

INDEX OF PLANS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
NHPI-0052(965)E
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY IN LOS ANGELES
FROM INDIANA STREET UNDERCROSSING
TO BOYLE AVENUE OVERCROSSING

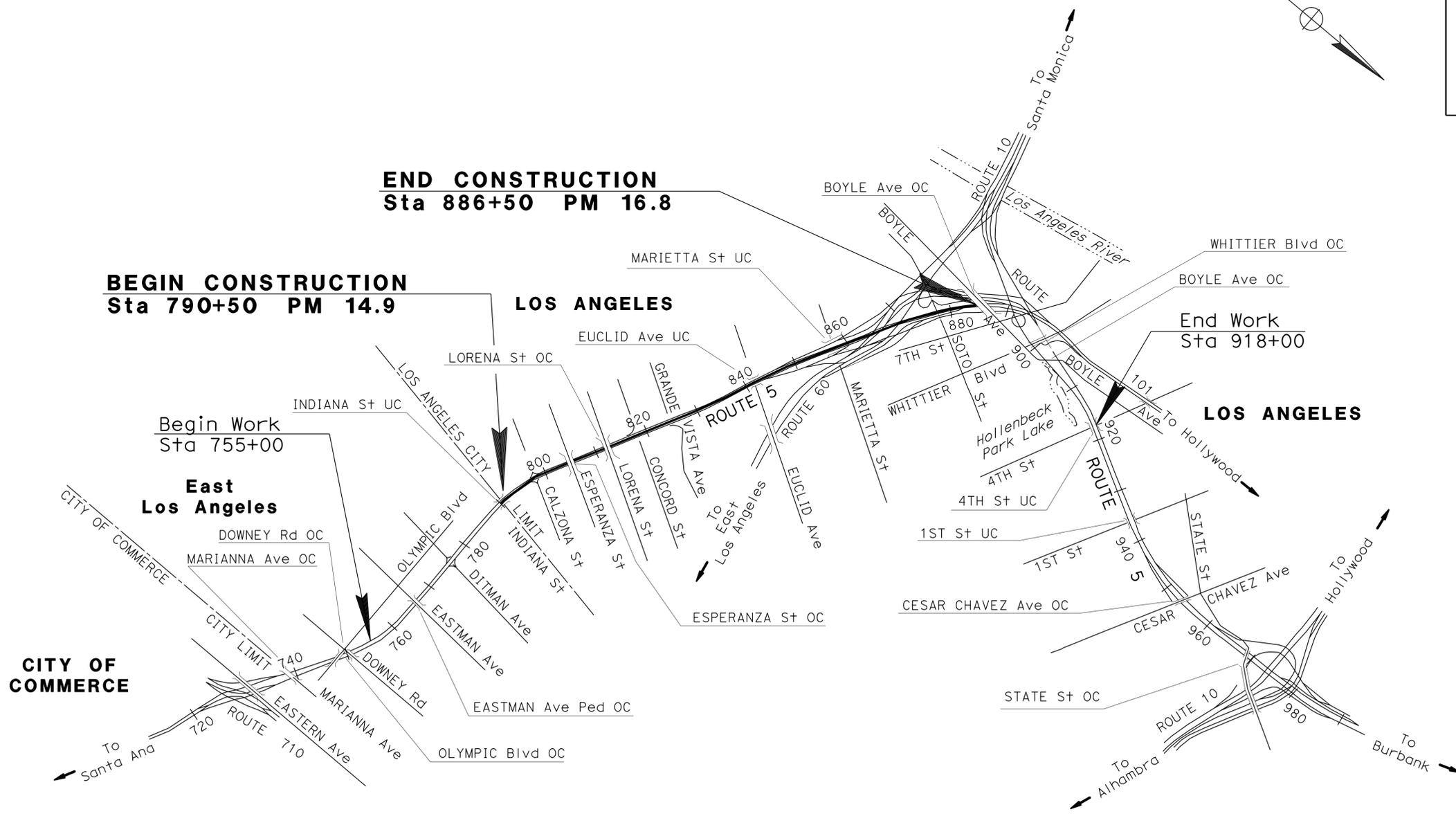
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	1	42





LOCATION MAP



NO SCALE

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


 6-13-13
 LICENSED LANDSCAPE ARCHITECT
 Jennifer Tatro
 No. 4625
 State of California
 8/21/13
 2/28/13
 Date

July 29, 2013
 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.	07-272404
PROJECT ID	0700000506

PROJECT MANAGER
DENNIS SNYDER
 SENIOR LANDSCAPE ARCHITECT
GLEN LEVSTIK

DATE PLOTTED => 31-JUL-2013
 TIME PLOTTED => 06:18
 00-00-00

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	3	42

Jennifer Nguyen 6/21/13
 REGISTERED CIVIL ENGINEER DATE
 7-29-13
 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:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- LOCATION OF CONSTRUCTION AREA SIGNS AS SHOWN ARE APPROXIMATE. THE ENGINEER DETERMINES EXACT LOCATIONS.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1		36" x 36"	ROAD WORK AHEAD	1 - 4" x 4"	10
B	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	6
C	G20-2		36" x 18"	END ROAD WORK	1 - 4" x 4"	12
D	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	4
E		C40A (CA)	48" x 48"	TRAFFIC FINES DOUBLED IN WORK ZONES	1 - 4" x 6"	2



CONSTRUCTION AREA SIGNS
NO SCALE

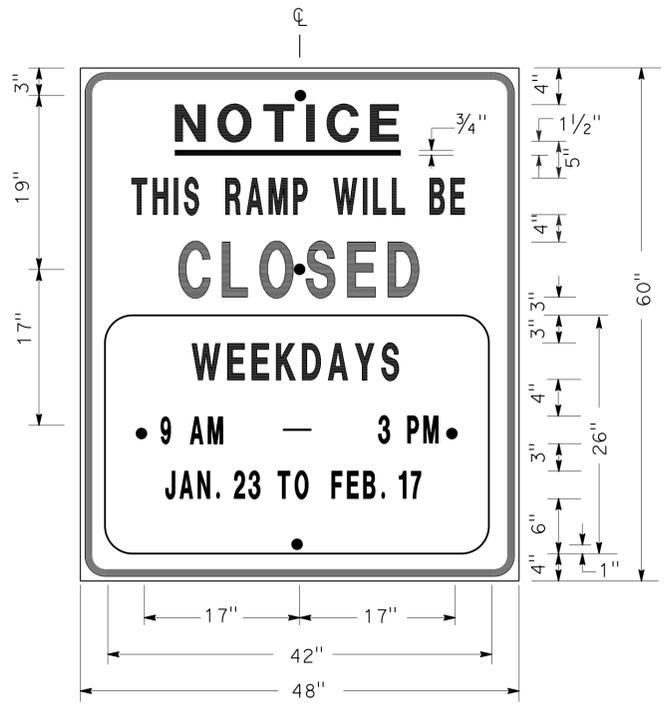
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-1

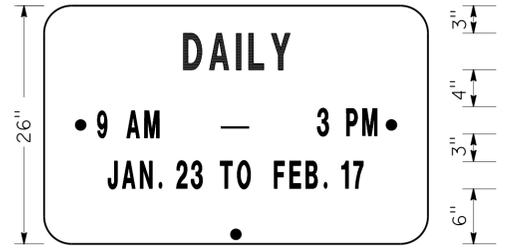
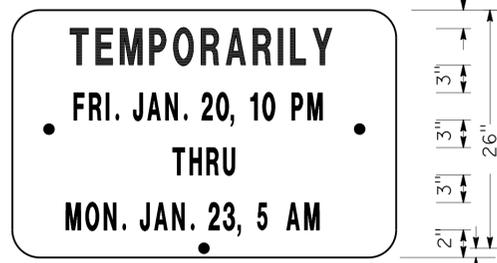
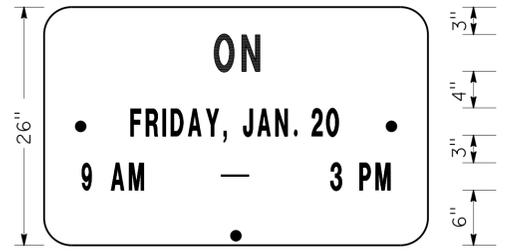
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - TRAFFIC DESIGN
 Shahhan Petrossian
 Jennifer Nguyen
 Grish Biglarian
 REVISIONS: 00-00-00
 DATE PLOTTED => 31-JUL-2013
 TIME PLOTTED => 06:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	4	42

Senju Katayama 5-14-12
 REGISTERED CIVIL ENGINEER DATE
 7-29-13
 PLANS APPROVAL DATE
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SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

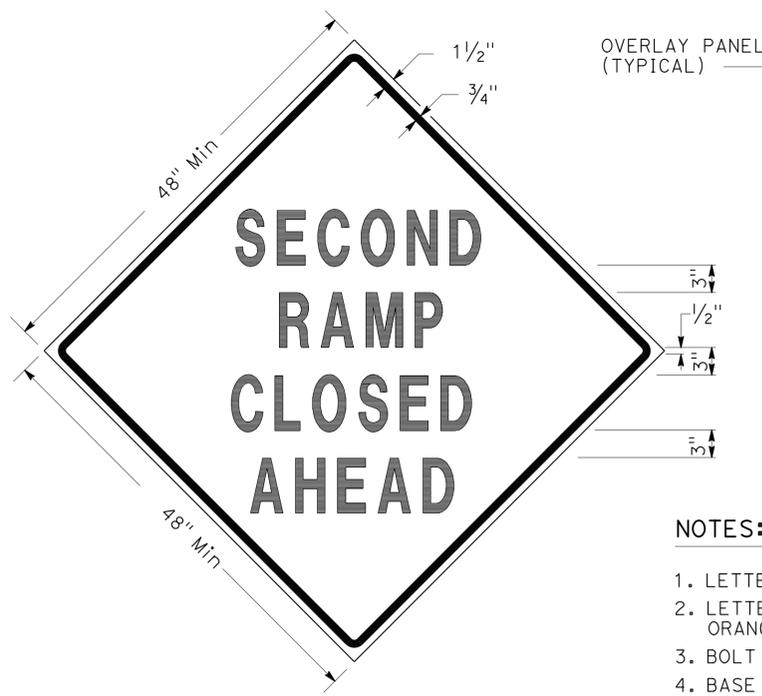
NOTES: SIGN SP-1

- LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
- BOLT HOLES SHALL BE 3/8" DIAMETER.
- BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
- SIGNS SHALL 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"	1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1/2"

* CONDENSED SPACING IF NECESSARY

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

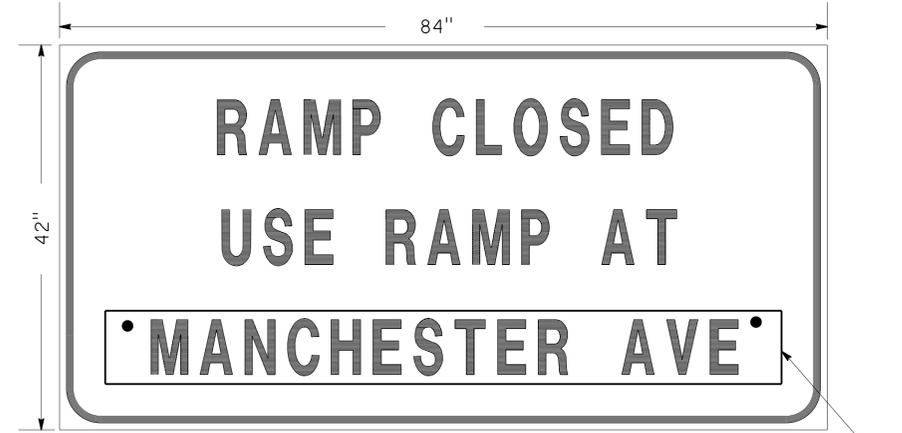


SIGN SP-5

NOTES: SIGNS SP-3 & SP-5

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

SPECIAL SIGNS FOR EXIT RAMP CLOSURES



SIGN SP-4

NOTES: SIGN SP-4

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

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

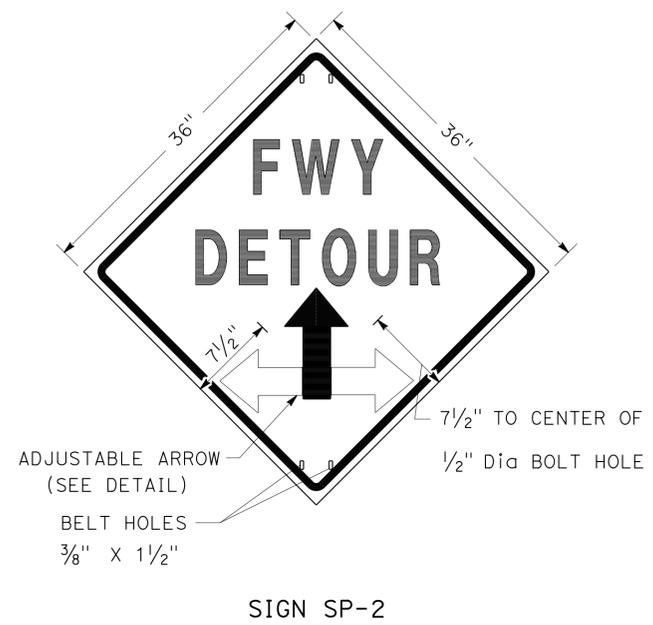
**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS,
 AND MISCELLANEOUS DETAILS**

SHEET 1 OF 2

NO SCALE

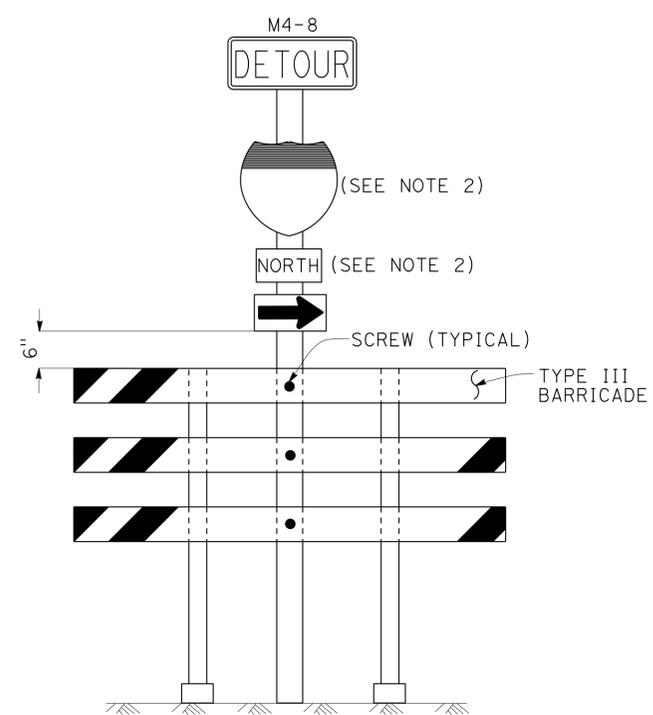
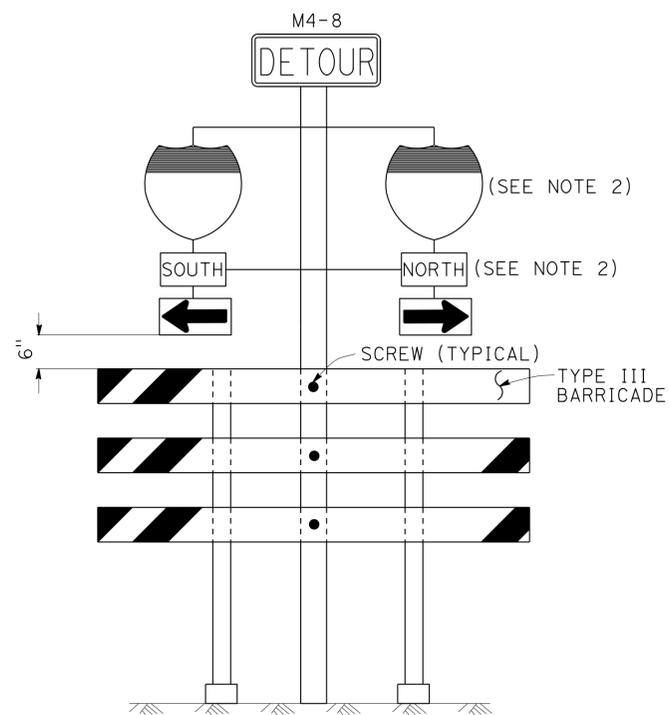
THD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY JOCELYN C CHIANG
 DESIGNED BY ALBERT K YU
 REVISIONS: JC 3/12
 REVISIONS: DATE REVISIONS



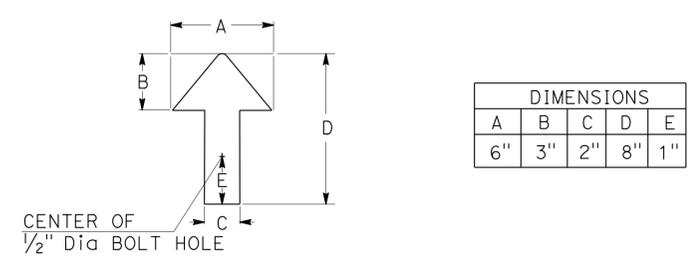
- NOTES: SIGN SP-2**
- LETTERS - 6" SERIES E.
 - LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
 - BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
 - SIGNS SHALL 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

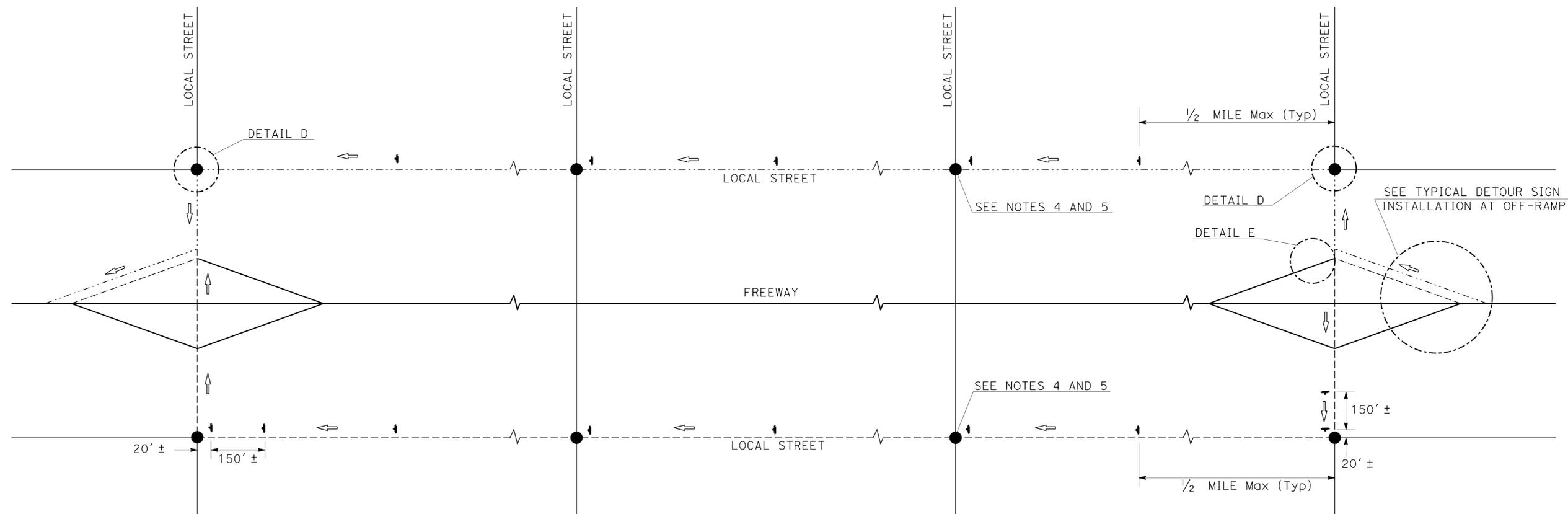
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	6	42
<i>Shun Katayama</i> 5-14-12 REGISTERED CIVIL ENGINEER DATE					
7-29-13		PLANS APPROVAL DATE			
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

LEGEND

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

NOTES:

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
4. SP-2 SIGNS SHALL BE POSTED AT EACH CONTROLLED INTERSECTION (EXCEPT AT COMMERCIAL PROPERTY, RESIDENTIAL COMPLEX OR T-INTERSECTION FROM ONE-WAY STREET) ALONG THE DESIGNATED DETOUR ROUTE.
5. 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.
6. EXCEPT AS OTHERWISE SHOWN ON OTHER PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS, SP-2 SIGNS SHALL 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 3**

NO SCALE

THD-3

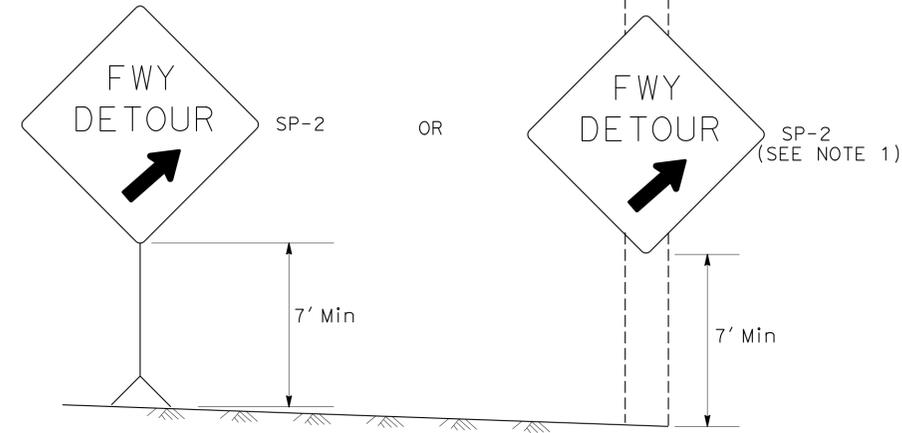
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: JOHN YANG
 CALCULATED/DESIGNED BY: ALBERT K YU
 CHECKED BY: JOCELYN C CHIANG
 REVISED BY: JC
 DATE REVISED: 3/12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	7	42

Shun Katayama 5-14-12
 REGISTERED CIVIL ENGINEER DATE
 7-29-13
 PLANS APPROVAL DATE

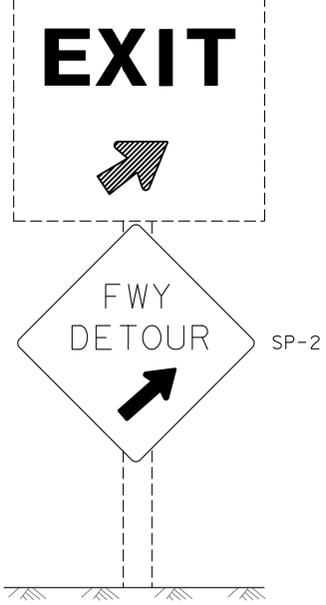
D.S. KATAYAMA
 No. C50648
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

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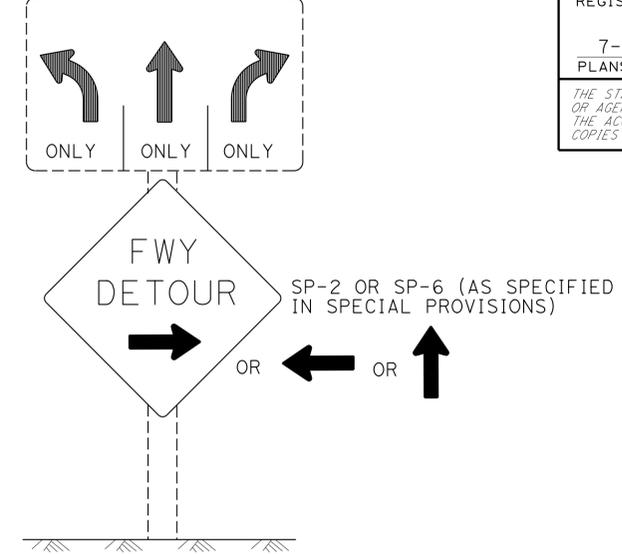
DETAIL A (SEE NOTE 3)

Exist E5-1, G84-2 (CA) OR G84-3 (CA)

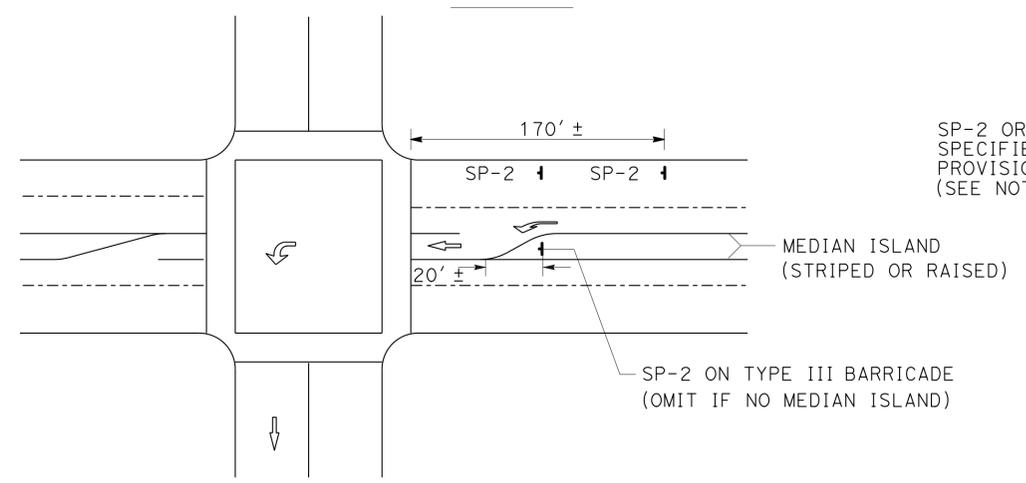


DETAIL B (SEE NOTE 3)

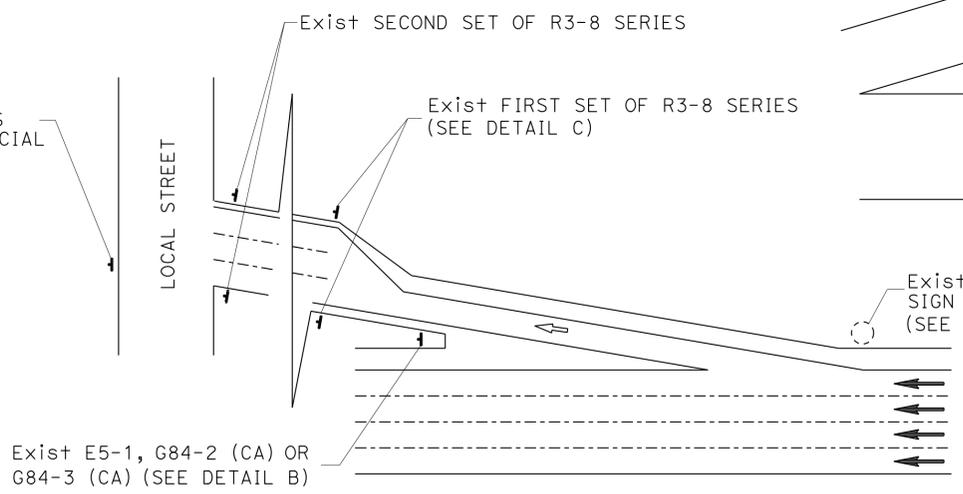
Exist R3-8 SERIES



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



DETAIL D



DETAIL E

- LEGEND**
- CONE
 - ⊣ PORTABLE SIGN
 - ➔ DIRECTION OF TRAVEL
 - ➞ DETOUR DIRECTION
 - EXISTING OVERHEAD SIGN

TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

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 3**

NO SCALE

THD-4

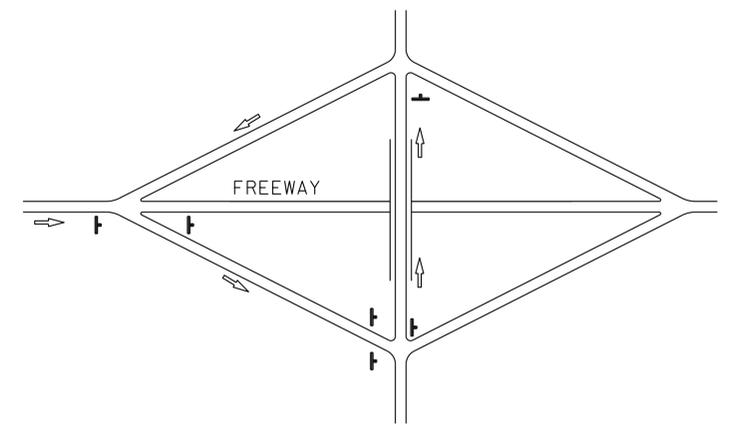
NOTES: SIGN SP-2

- SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
- SP-2 SIGNS SHALL 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 SHALL 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.

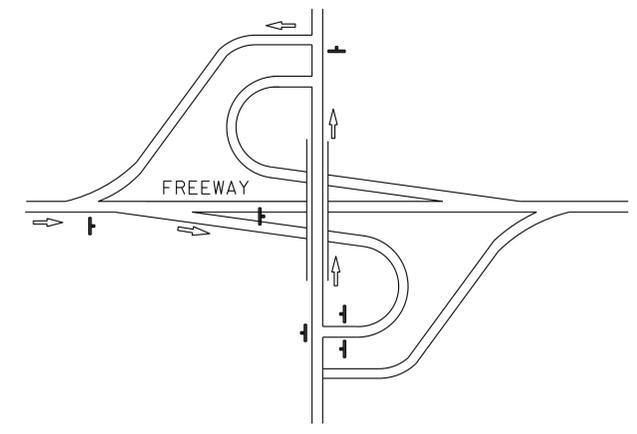
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
 FUNCTIONAL SUPERVISOR: JOHN YANG
 CHECKED BY: JOCELYN C CHIANG
 REVISOR: ALBERT K YU
 DATE: 3/12

LAST REVISION: DATE PLOTTED => 31-JUL-2013
 06-18-13 TIME PLOTTED => 06:18

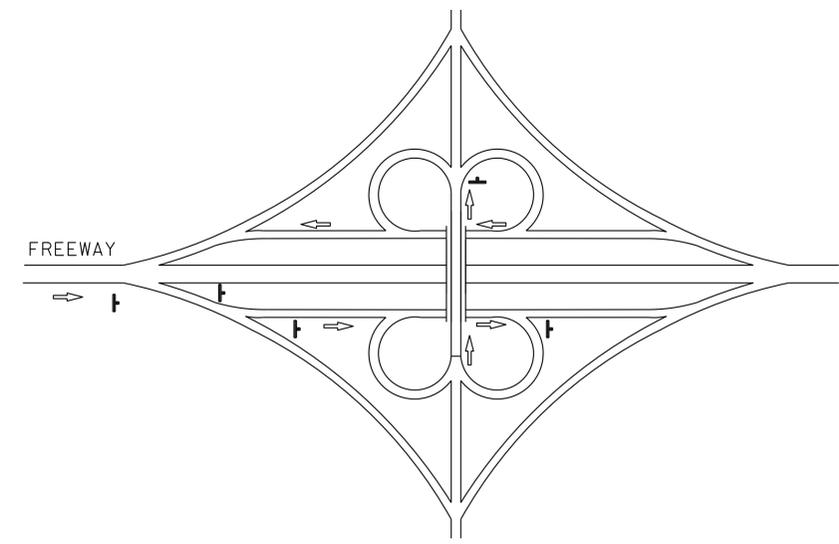
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DTM
 FUNCTIONAL SUPERVISOR: JOHN YANG
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY: ALBERT K YU
 REVISIONS: JC 3/12
 REVISIONS:



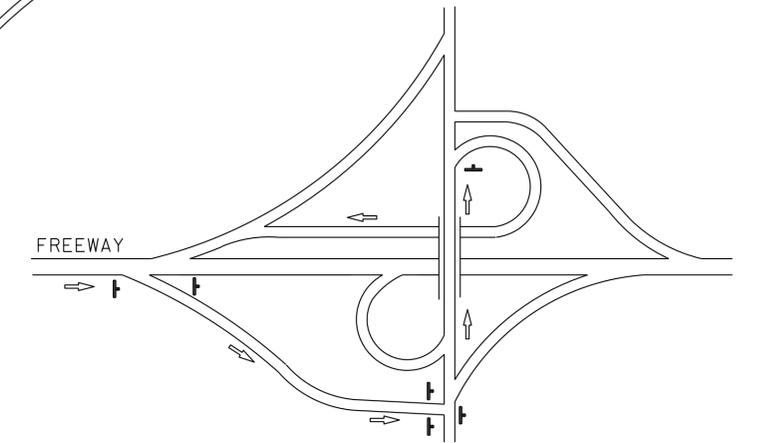
TYPE I



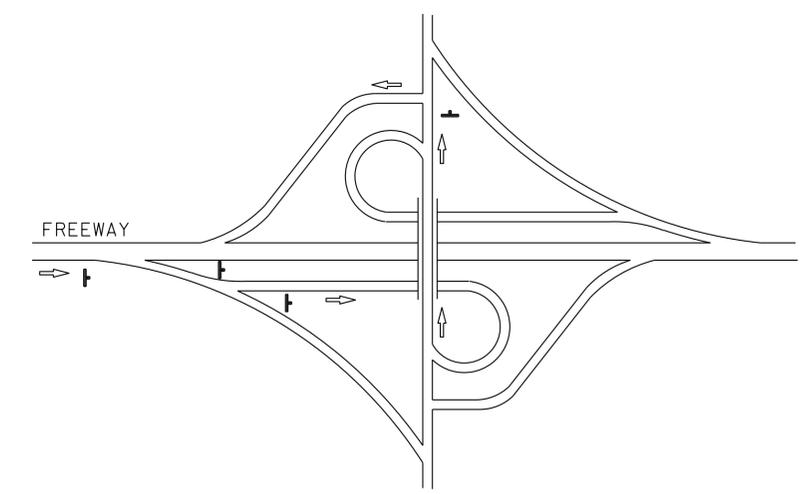
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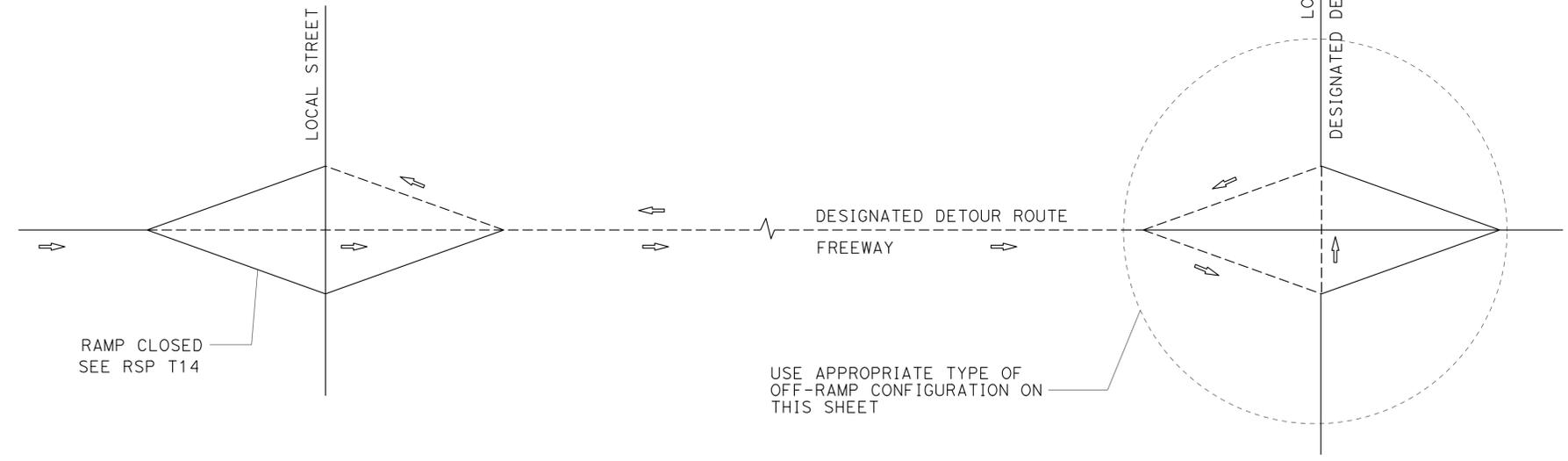
TYPE III



TYPE IV



TYPE V



TYPE OF OFF-RAMP CONFIGURATION	MINIMUM No. OF SP-2
TYPE I	6
TYPE II	6
TYPE III	5
TYPE IV	6
TYPE V	4

TYPICAL DETOUR SIGN INSTALLATION FOR OFF-RAMP CLOSURE

NOTES:

- FOR RAMP CONFIGURATIONS NOT SHOWN, THE EXACT LOCATIONS AND MINIMUM NUMBER OF SP-2 SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-2 SIGN DETAILS.

LEGEND

- SIGN SP-2
- DETOUR DIRECTION
- DESIGNATED DETOUR ROUTE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 3 OF 3**

NO SCALE

THD-5

MULCH QUANTITIES

SHEET NUMBER	MULCH
	CY
PP-1	80
	51
PP-2	57
	61
	250
	47
	45
PP-3	190
	348
	312
PP-4	139
	76
	221
	82
PP-5	62
	134
	11
	196
	38
PP-6	151
	115
TOTAL	2,666

ROCK BLANKET

SHEET NUMBER	LOCATION NUMBER	RELOCATE ROCK BLANKET
		SQYD
PP-2	R1	148
	R3	263
	R4	868
	810	162
PP-3	810	169
	R2	145
PP-4	R2	130
	R2	108
PP-5	R2	126
	R3	126
	R3	848
PP-7	R4	2,034
	850	965
	855	386
TOTAL		7,093

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

TEMPORARY FIBER ROLL
LF
2,000

ELECTRICAL QUANTITIES

SHEET NUMBER	LOCATION No.	REMOVE CL FENCE	REMOVE METAL POST	MINOR Conc (Misc Const)	CHAIN LINK FENCE (TYPE CL-6)	REMARKS
		LF	EA	YD ³	LF	
C-1	1	11	1	1.25	26	0.5' Re+ CURB
	2	11	1	1.25	26	0.5' Re+ CURB
TOTAL		22	2	2.5	52	

SUMMARY OF QUANTITIES

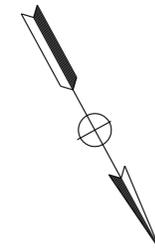
Q-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	12	42

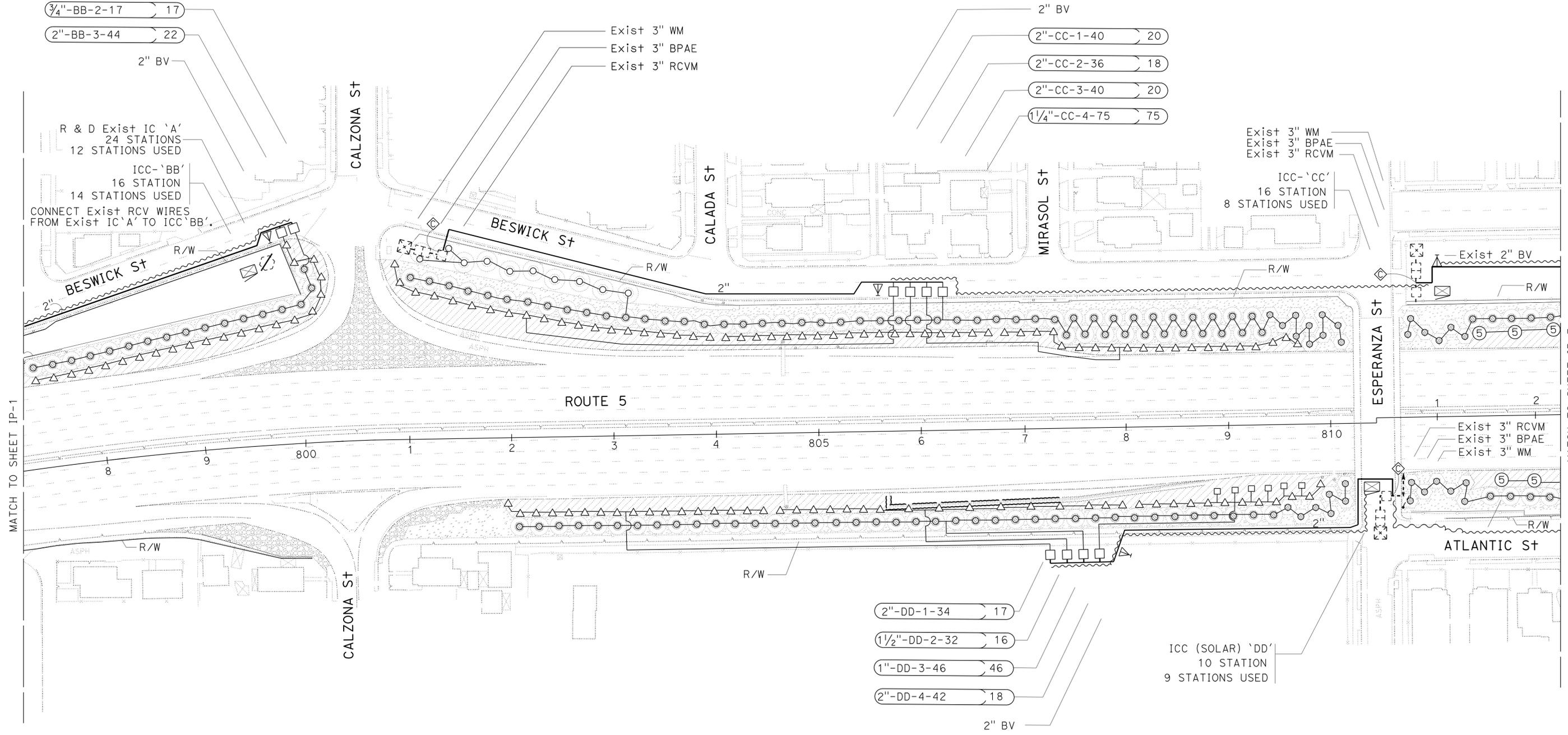
LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
- EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THE PLANS.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT	GEORGE OLGUIN
CALCULATED/DESIGNED BY	CHECKED BY
GLEN LEVSTIK	RICH KESTER
REVISED BY	DATE



IRRIGATION PLAN
 SCALE: 1" = 50'
IP-2

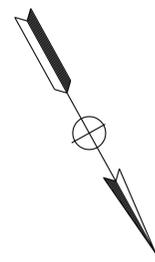
APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION DATE PLOTTED => 31-JUL-2013
 00-00-00 TIME PLOTTED => 06:18

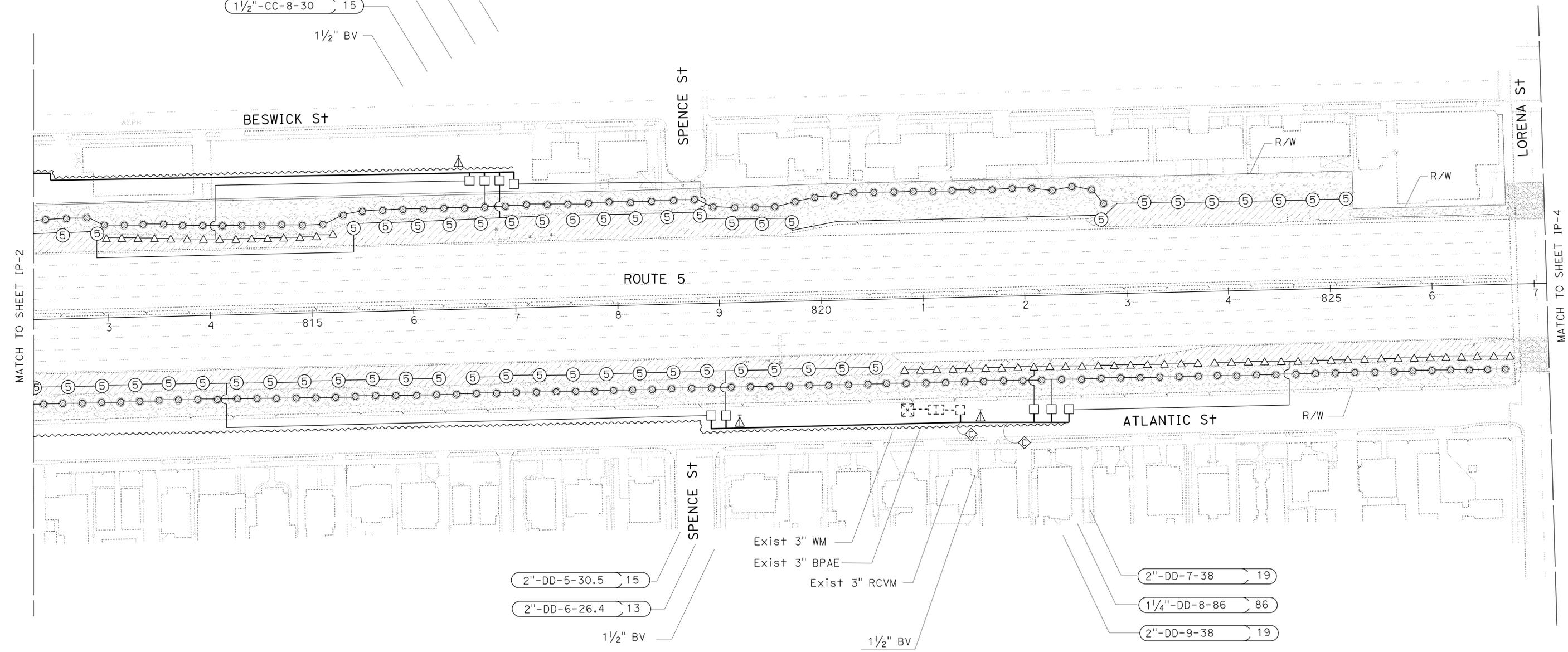
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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LICENSED LANDSCAPE ARCHITECT
 7-29-13
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- 2"-CC-5-32.5 8
- 2"-CC-6-24.4 12
- 1/4"-CC-7-65 65
- 1/2"-CC-8-30 15
- 1/2" BV



- 2"-DD-5-30.5 15
- 2"-DD-6-26.4 13
- 1/2" BV

- Exist 3" WM
- Exist 3" BPAE
- Exist 3" RCVM
- 1/2" BV

- 2"-DD-7-38 19
- 1/4"-DD-8-86 86
- 2"-DD-9-38 19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: GEORGE OLGUIN
 CHECKED BY: GLEN LEVSTIK, RICH KESTER
 REVISIONS: REVISED BY: DATE, REVISED: DATE

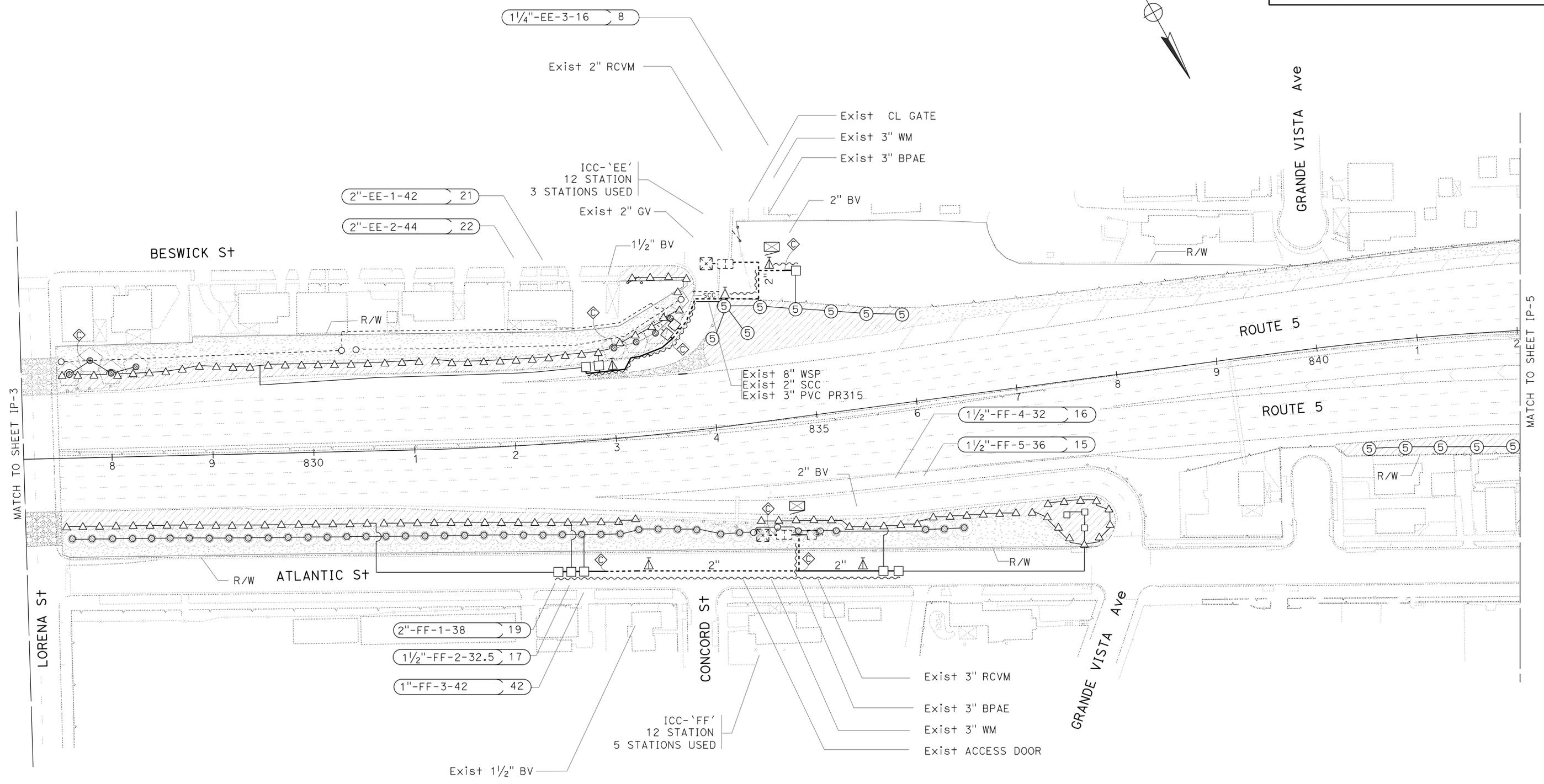
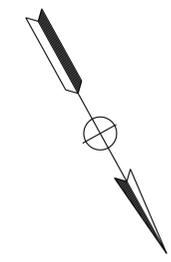
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-3

APPROVED FOR IRRIGATION WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	14	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
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- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
 - EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THE PLANS.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 GLEN LEVSTIK
 RICH KESTER
 GEORGE OLGUIN
 LANDSCAPE ARCHITECTURE

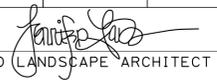
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-4

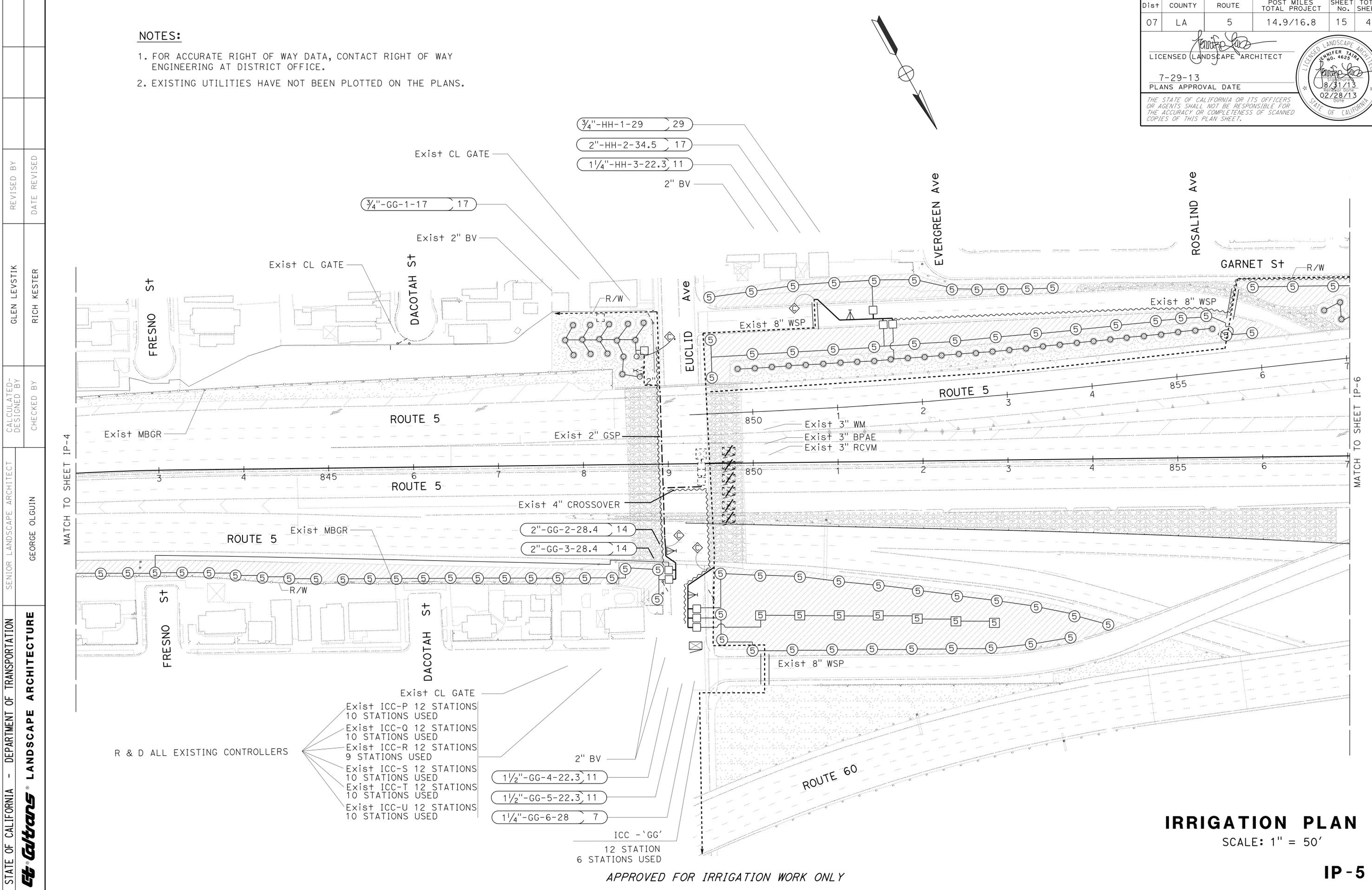
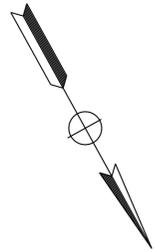
APPROVED FOR IRRIGATION WORK ONLY

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
- EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	15	42


 LICENSED LANDSCAPE ARCHITECT
 7-29-13
 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.

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1" = 50'

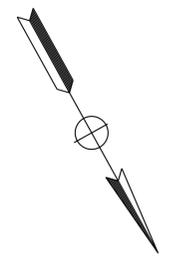
IP-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	16	42

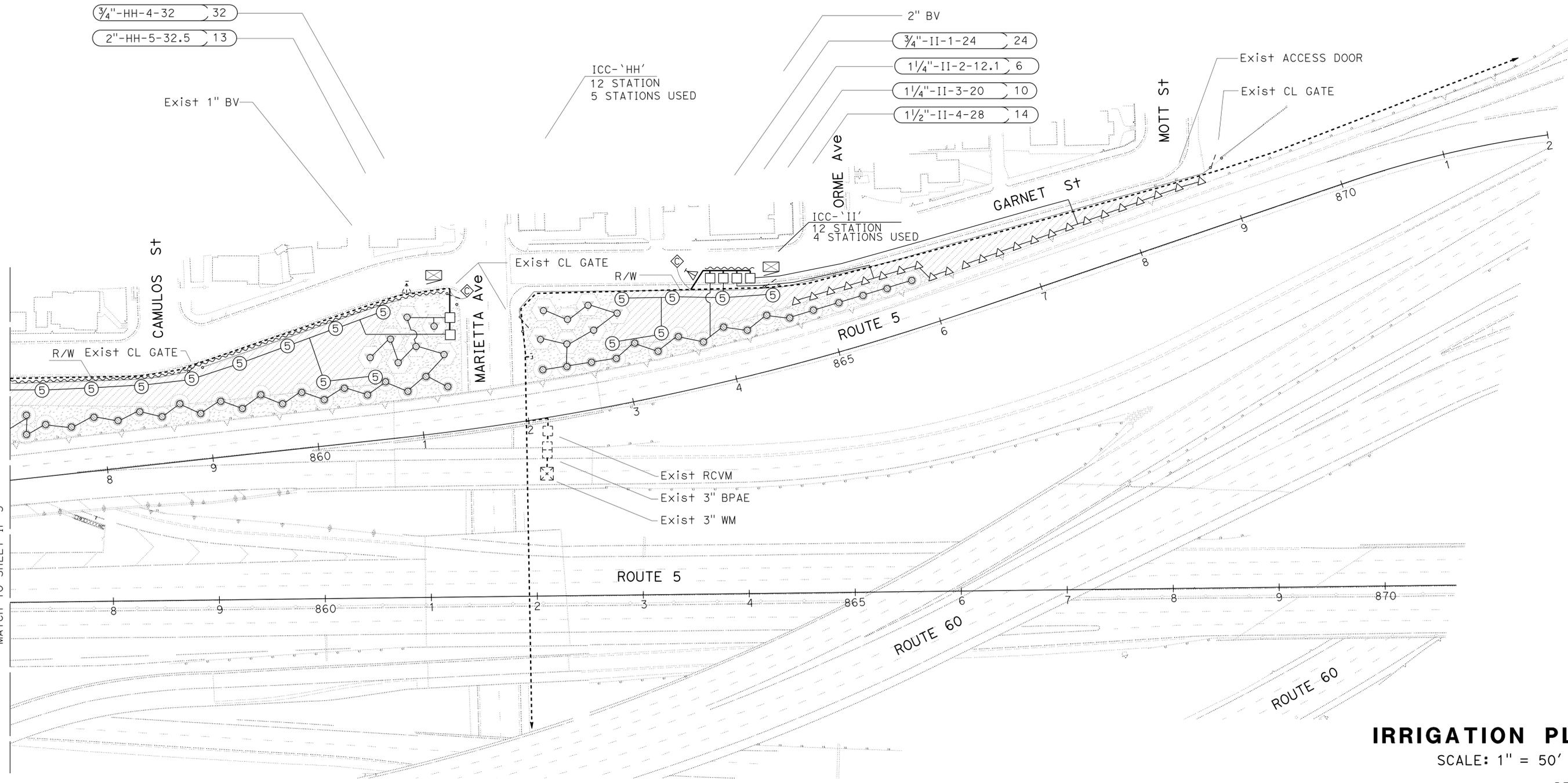
LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 GLEN LEVSTIK
 REVISED BY
 GLEN LEVSTIK
 CALCULATED/DESIGNED BY
 GEORGE OLGUIN
 CHECKED BY
 RICH KESTER
 DATE
 REVISED
 DATE

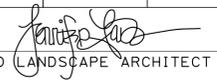


IRRIGATION PLAN
 SCALE: 1" = 50'
IP-6

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION: DATE PLOTTED => 31-JUL-2013 TIME PLOTTED => 06:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	19	42


 LICENSED LANDSCAPE ARCHITECT
 7-29-13
 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.

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE	SOIL AMEND	COMMERCIAL FERTILIZER ①		BASIN MULCH (CY)	STAKING	PLANTING LIMITS							REMARKS
							Dia	DEPTH				PLANTING	PLT ESTB			MINIMUM DISTANCE (ft) FROM					ON CENTER (ft)		
																ETW	Pvm+	FENCE	WALL	PAVED DITCH		EARTH DITCH	
B	1		ACACIA REDOLENS	DESERT CARPET ACACIA	No. 5	422	③	③	II	—	—	8 Oz	8 Oz	0.08 CY	—	—	20	20	20	20	22	15	SHRUB
	2		PLUMBAGO AURICULATA 'IMPERIAL BLUE'	NO COMMON NAME	No. 5	61	③	③	II	—	—	8 Oz	8 Oz	0.08 CY	—	—	15	15	15	15	15	10	SHRUB
	3		NERIUM OLEANDER 'CASABLANCA'	OLEANDER	No. 5	10	③	③	II	—	—	8 Oz	8 Oz	0.08 CY	—	—	7	8	7	7	8	7	SHRUB
H	4		CARPOBROTUS EDULIS	HOTTENTOT FIG	CUTTINGS	82,564	—	—	—	—	—	6 LBS/1000 SQFT	6 LBS/1000 SQFT	—	—	—	6	6	6	6	8	1.5	GROUND COVER
U	5		EUCALYPTUS CITRIODORA	LEMON GUM	No.15	2	③	③	II	—	—	10 Oz	10 Oz	0.16 CY	④	40	—	30	30	20	20	⑦	TREE
	6		CHILOPSIS LINEARIS	DESERT WILLOW	No.15	8	③	③	II	—	—	10 Oz	10 Oz	0.16 CY	④	—	—	20	20	10	12	⑦	TREE

APPLICABLE WHEN CIRCLED:

- ① - QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS SQFT OR SQYD APPLICATION RATES
- 2 - BASIN MULCH IS INCLUDED WITH MULCH QUANTITIES SHOWN ON PLANTING PLAN
- ③ - SUFFICIENT TO RECEIVE ROOT BALL AND AMENDMENTS IF REQUIRED
- ④ - SEE DETAIL
- 5 - SEE SPECIAL PROVISIONS
- 6 - SEE STANDARD SPECIFICATIONS
- ⑦ - AS SHOWN ON PLANS
- 8 - UNLESS OTHERWISE SHOWN ON PLANS
- 9 - FOLIAGE PROTECTOR REQUIRED
- 10 - ROOT PROTECTOR REQUIRED
- 11 - ROOT BARRIER REQUIRED
- 12 - STATE-FURNISHED

LEGEND

-  MULCH (WOOD CHIP 3" DEPTH)
-  ROCK BLANKET
-  MAINTAIN EXISTING PLANTED AREAS
-  PRUNE EXISTING TREES
-  REMOVE EXISTING PLANTS (ROADSIDE CLEARING)

NOTE:

UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

PLANT LIST

PL-1

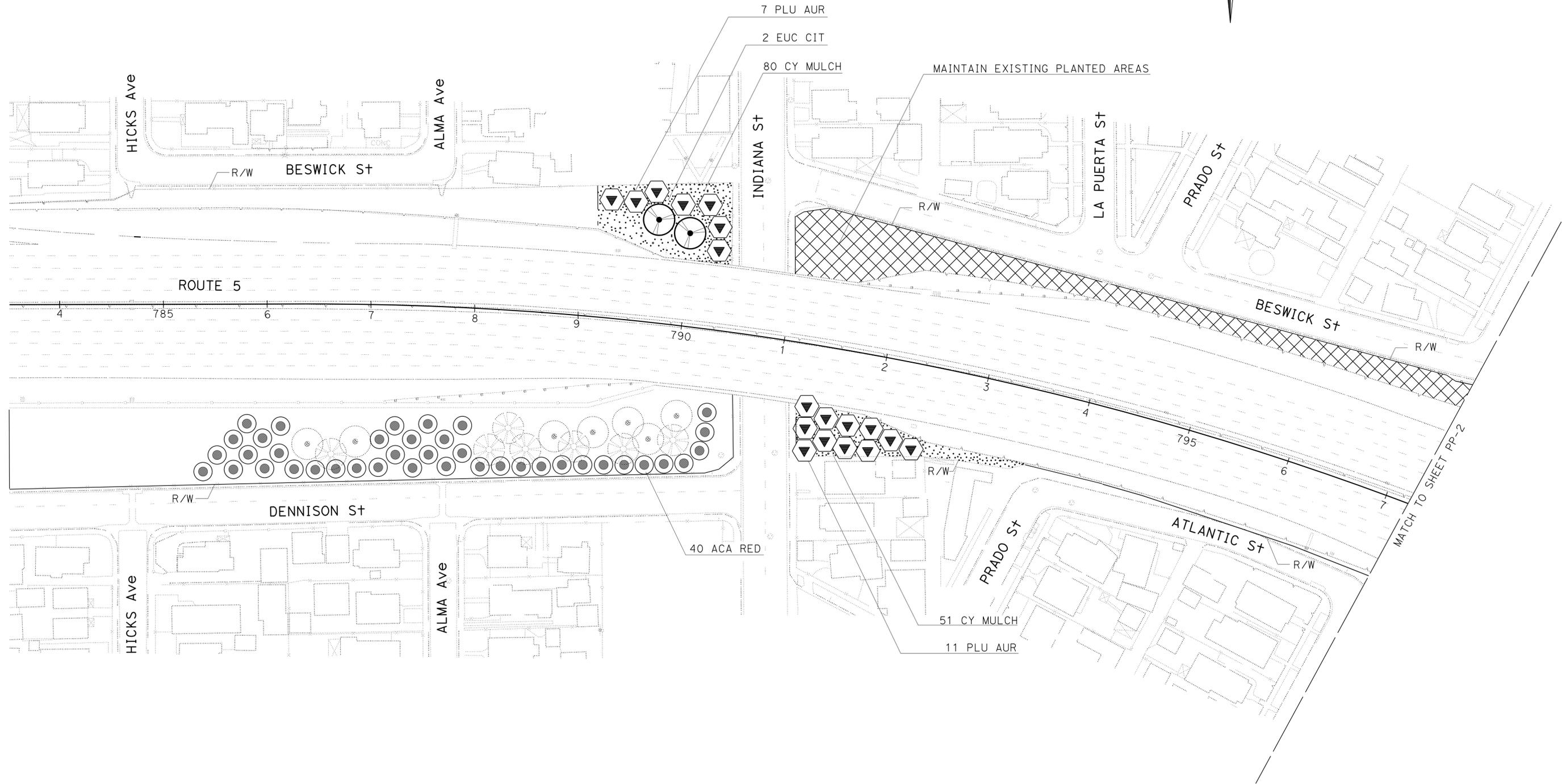
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 GLEN LEVSTIK
 RICH KESTER
 CALCULATED/DESIGNED BY
 CHECKED BY
 SENIOR LANDSCAPE ARCHITECT
 GEORGE OLGUIN
 LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 31-JUL-2013
 00-00-00 | TIME PLOTTED => 06:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	20	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 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:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: GEORGE OLGUIN
 CALCULATED/DESIGNED BY: GLEN LEVSTIK
 CHECKED BY: RICH KESTER
 REVISED BY: GLEN LEVSTIK
 DATE: 7/2/2010

PLANTING PLAN
 SCALE: 1" = 50'
PP-1

APPROVED FOR PLANTING WORK ONLY

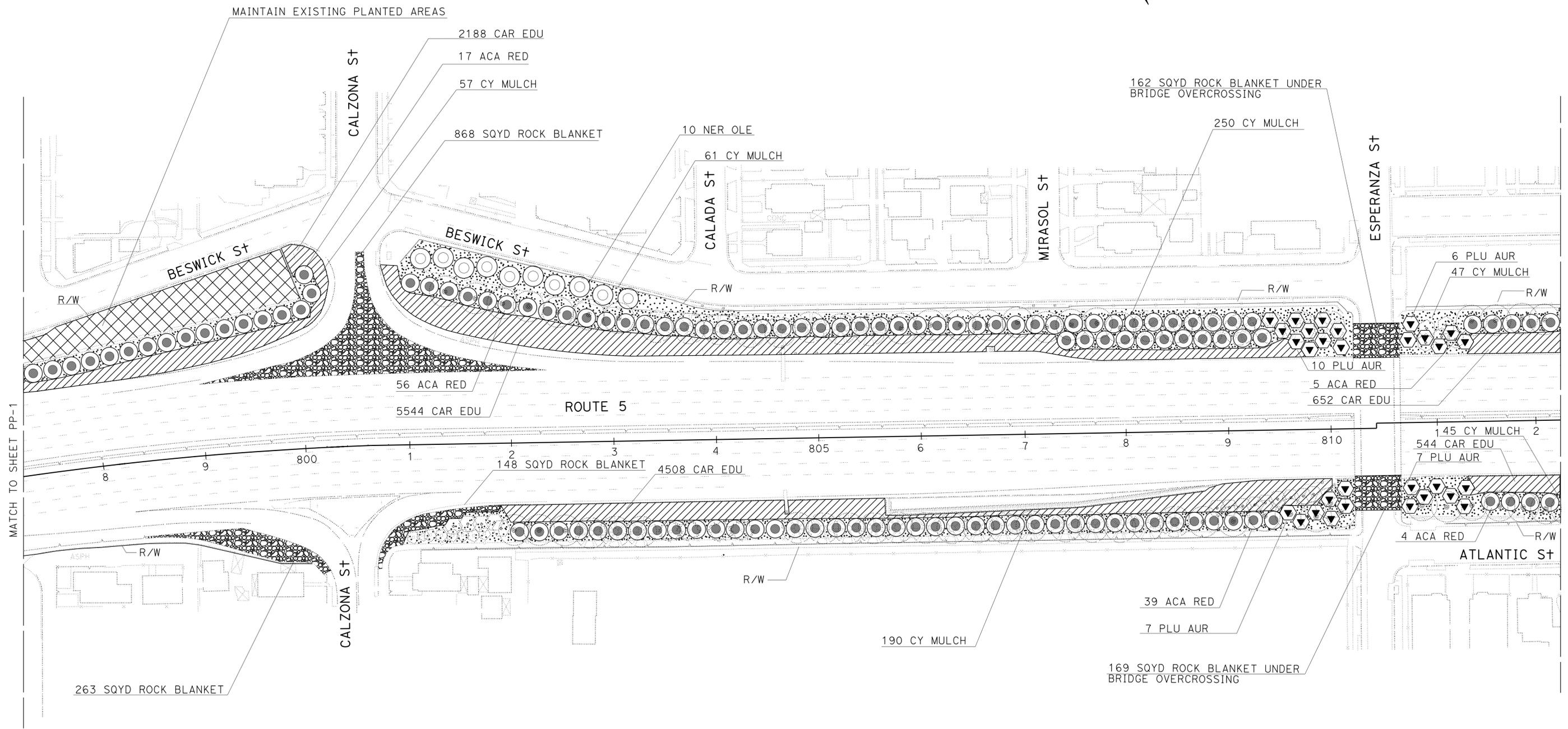
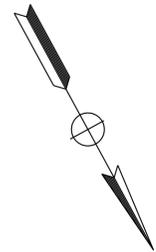
LAST REVISION: 00-00-00 DATE PLOTTED => 31-JUL-2013 TIME PLOTTED => 06:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	21	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
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NOTES:

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	GEORGE OLGUIN	GLEN LEVSTIK	7/2/2010
		RICH KESTER	
		CHECKED BY	
		DESIGNED BY	

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1" = 50'

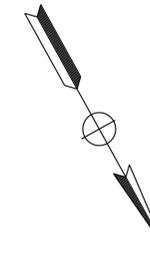
PP-2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	22	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: GEORGE OLGUIN
 CALCULATED/DESIGNED BY: GLEN LEVSTIK
 CHECKED BY: RICH KESTER
 REVISED BY: [] DATE REVISED: []

PLANTING PLAN

SCALE: 1" = 50'

PP-3

APPROVED FOR PLANTING WORK ONLY

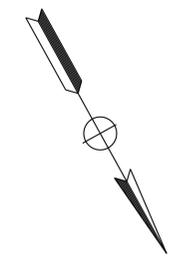


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	23	42

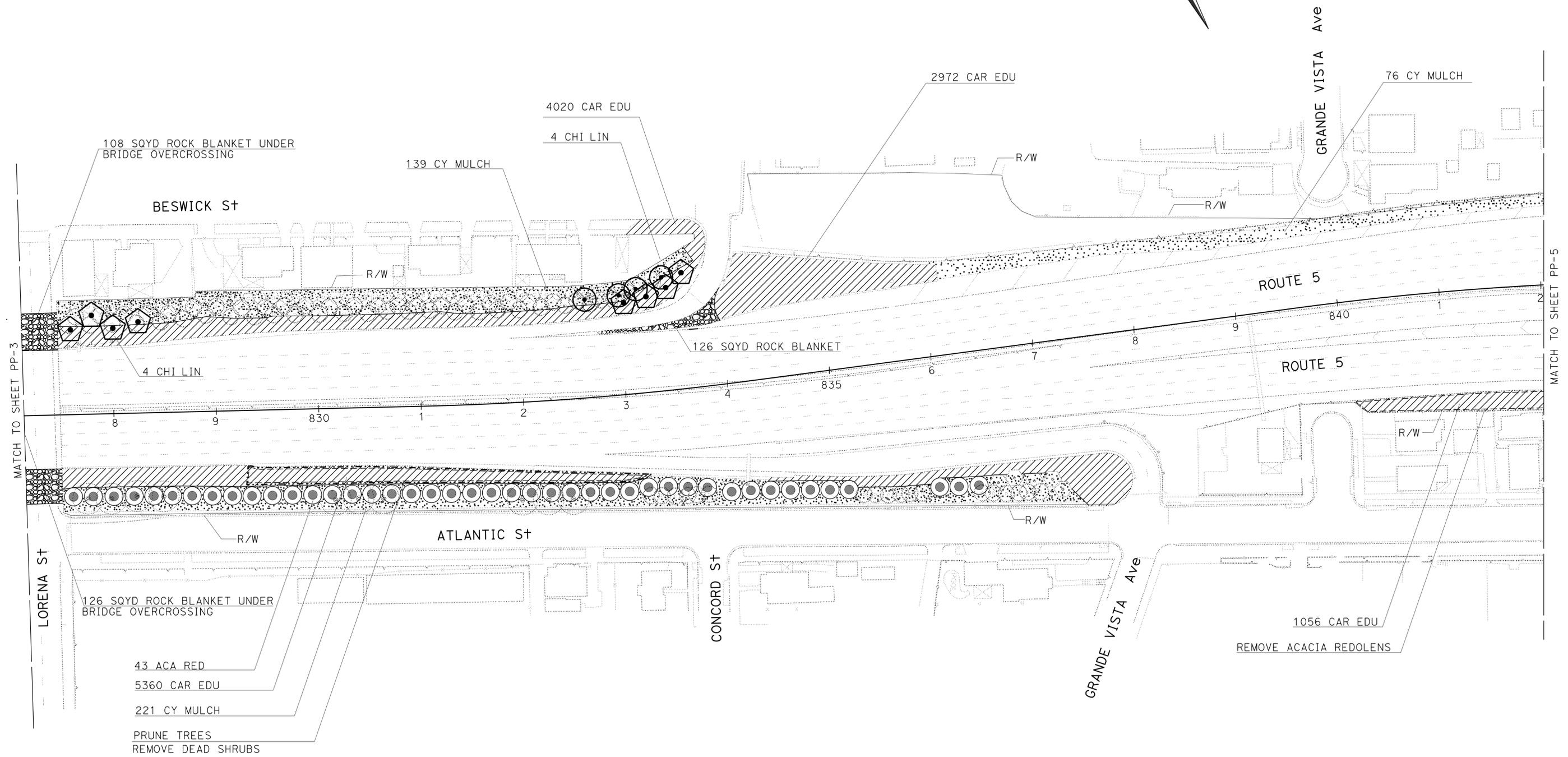
 LICENSED LANDSCAPE ARCHITECT		
7-29-13 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	REVISOR	DATE
SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
CALCULATED/DESIGNED BY	REVISOR	DATE
CHECKED BY	REVISOR	DATE
GLEN LEVSTIK	RICH KESTER	



PLANTING PLAN

SCALE: 1" = 50'

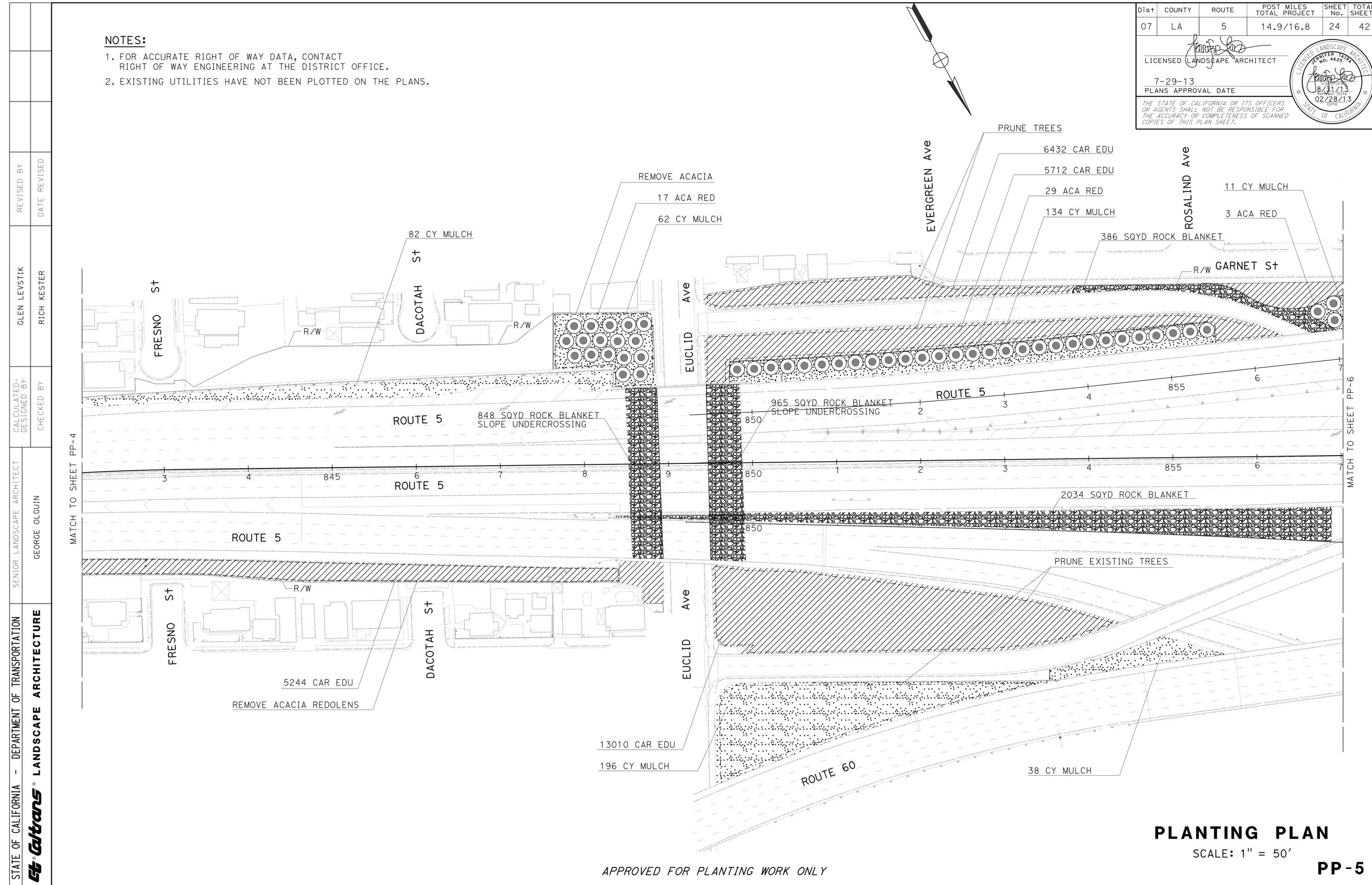
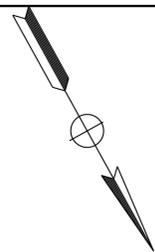
PP-4

APPROVED FOR PLANTING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	24	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT: GEORGE OLGUIN
 CALCULATED/DESIGNED BY: GLEN LEVSTIK
 CHECKED BY: RICH KESTER
 REVISED BY: [] DATE REVISED: []

PLANTING PLAN
 SCALE: 1" = 50'
PP-5

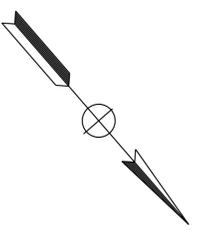
APPROVED FOR PLANTING WORK ONLY

LAST REVISION: 00-00-00 DATE PLOTTED => 31-JUL-2013 TIME PLOTTED => 06:18

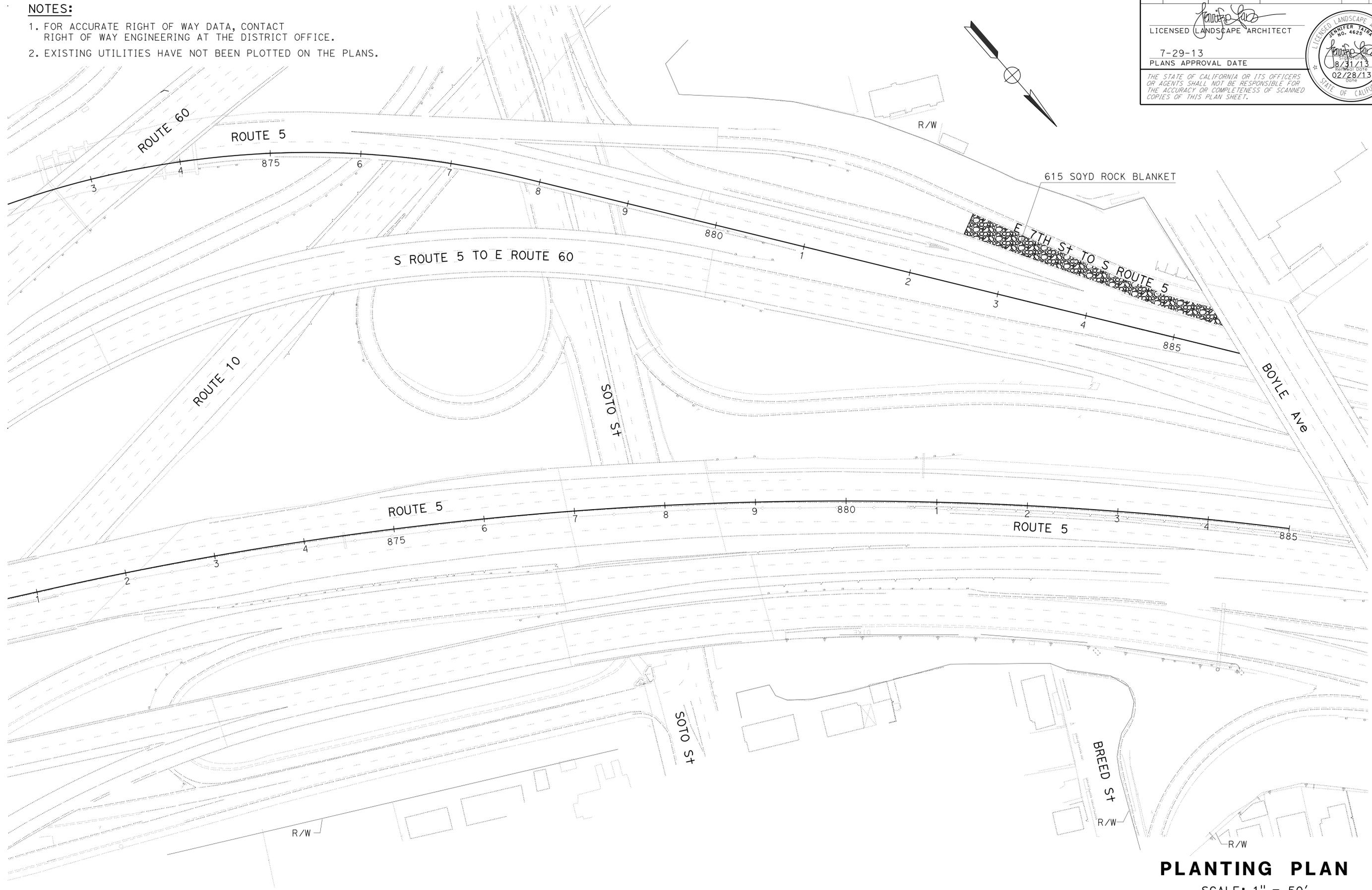
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	26	42

LICENSED LANDSCAPE ARCHITECT
 7-29-13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE	GLEN LEVSTIK	
	RICH KESTER	
SENIOR LANDSCAPE ARCHITECT	CHECKED BY	
GEORGE OLGUIN		



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-7

LAST REVISION | DATE PLOTTED => 31-JUL-2013
 00-00-00 | TIME PLOTTED => 06:18

SPRINKLER SCHEDULE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	27	42

7-29-13
PLANS APPROVAL DATE

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SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj. ARC STOP	BACKSLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	RISER ⑤					RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS			
						DISCHARGE		RADIUS (ft)	WIDTH x LENGTH (ft)								TYPE	MATERIAL		SIZE (IPS INCH)	HEIGHT (INCH)				FLOW SHUTOFF DEVICE		
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)											PLASTIC	GALVANIZED								
○	C-2	BUBBLER	—	30	—	1	—	5'	—	PL	1/2"	—	—	—	—	—	V	X	—	1/2"	—	—	—	—	—	—	—
Ⓞ	A-5	GEAR ROTOR	Q/H	30	—	2.03	—	38'	—	PL	3/4"	—	—	—	—	X	IV	X	X	3/4"	18"	X	I	—	—	—	—
Ⓟ	A-5	GEAR ROTOR	F	30	—	4.06	—	38'	—	PL	3/4"	—	—	—	—	X	IV	X	X	3/4"	18"	X	I	—	—	—	—
△	B-2	SPRAY HEAD	P	30	—	2	—	15'	—	PL	1/2"	—	—	—	—	X	III	X	—	1/2"	12"	—	III	X	—	—	—
□	B-2	SPRAY HEAD	F	30	—	4	—	15'	—	PL	1/2"	—	—	—	—	X	III	X	—	1/2"	—	—	III	X	—	—	—

APPLICABLE WHEN CIRCLED BELOW:

- 1 - SEE SPECIAL PROVISIONS.
- ② - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
- 3 - ARC STOP SHALL BE FITTED WITH A NUT AND BOLT.
- 4 - VINYL-COATED CAST IRON HOUSING.
- ⑤ - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
- 6 - UNLESS OTHERWISE SHOWN ON PLANS.

X IN BOX DENOTES REQUIREMENT

SPRINKLERS (A-5) SIZING CHART

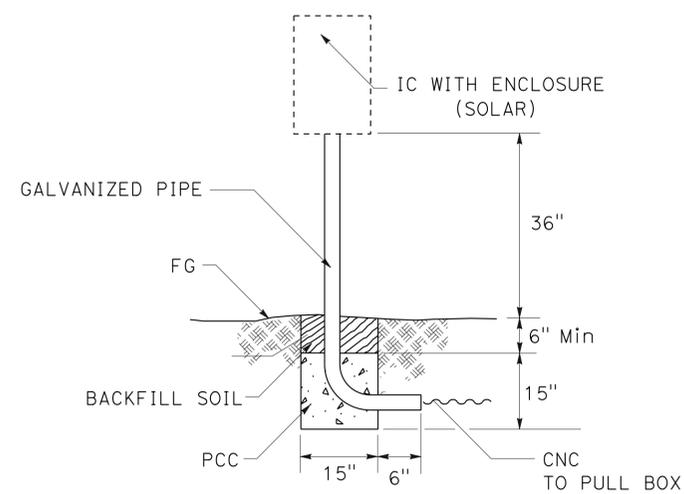
NUMBER OF SPRINKLERS	SIZE OF PIPE
1 - 3	3/4"
4 - 5	1"
6 - 8	1 1/4"
9 - 11	1 1/2"
12 - 17	2"

SPRINKLERS (B-2) SIZING CHART

NUMBER OF SPRINKLERS	SIZE OF PIPE
1-4	3/4"
5-7	1"
8-13	1 1/4"
14-17	1 1/2"
18-26	2"

SPRINKLERS (C-2) SIZING CHART

NUMBER OF SPRINKLERS	SIZE OF PIPE
1 - 40	3/4"
41 - 60	1"
61 - 100	1 1/4"
101 - 140	1 1/2"
141 - 220	2"



IRRIGATION CONTROLLER (SOLAR)

LANDSCAPE DETAILS

LD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 GLEN LEVSTIK
 RICH KESTER
 GEORGE OLGUIN
 LANDSCAPE ARCHITECTURE

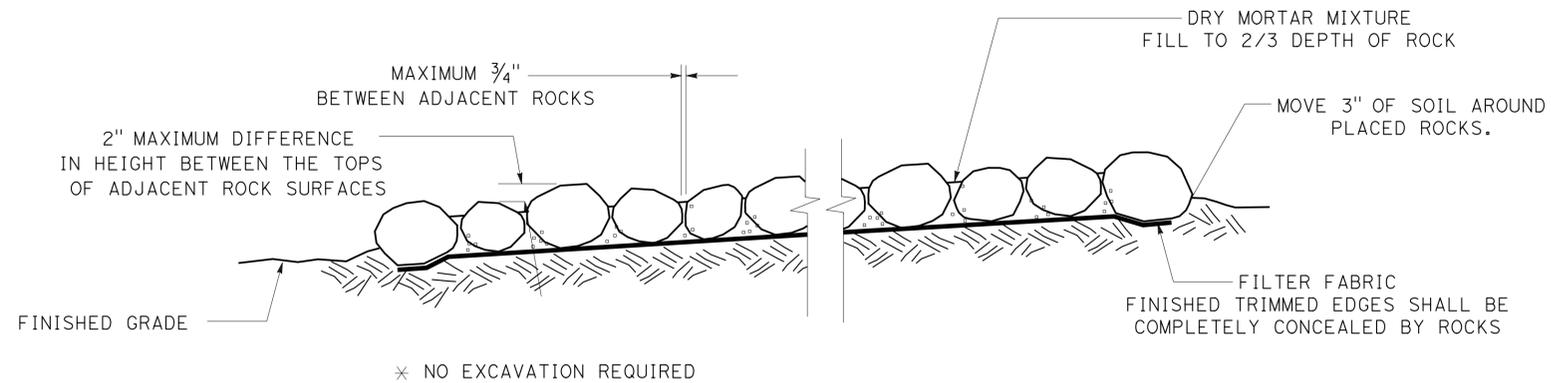
LAST REVISION | DATE PLOTTED => 31-JUL-2013
 00-00-00 | TIME PLOTTED => 06:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	28	42

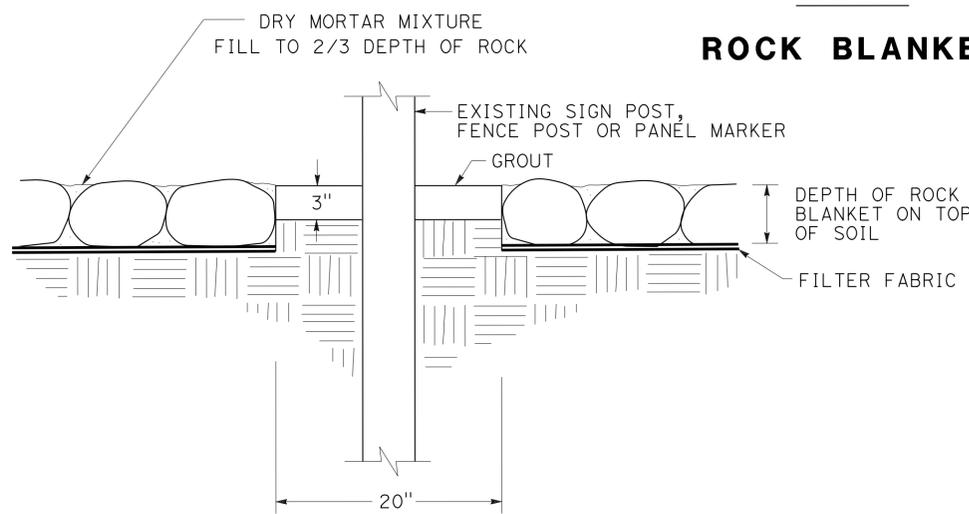
7-29-13
 PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
 STATE OF CALIFORNIA
 08/31/13
 02/28/13

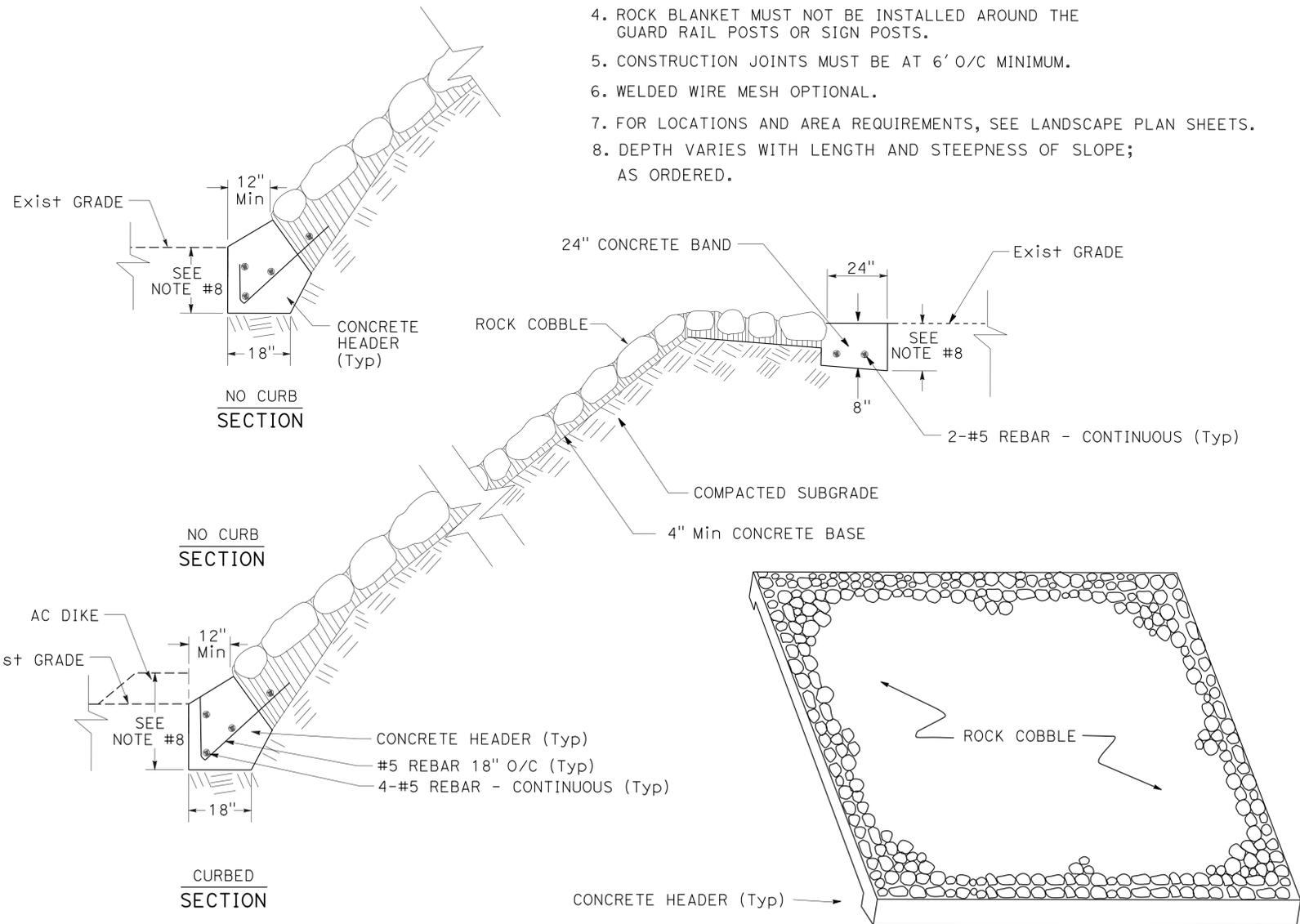
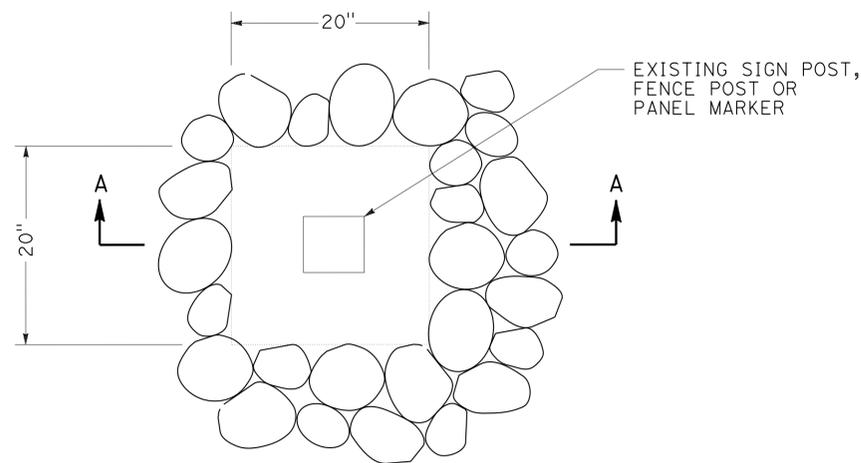
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**SECTION
ROCK BLANKET**



SECTION A-A



ROCK BLANKET ON SLOPE DETAILS

PICTORIAL VIEW

LANDSCAPE DETAILS

LD-2

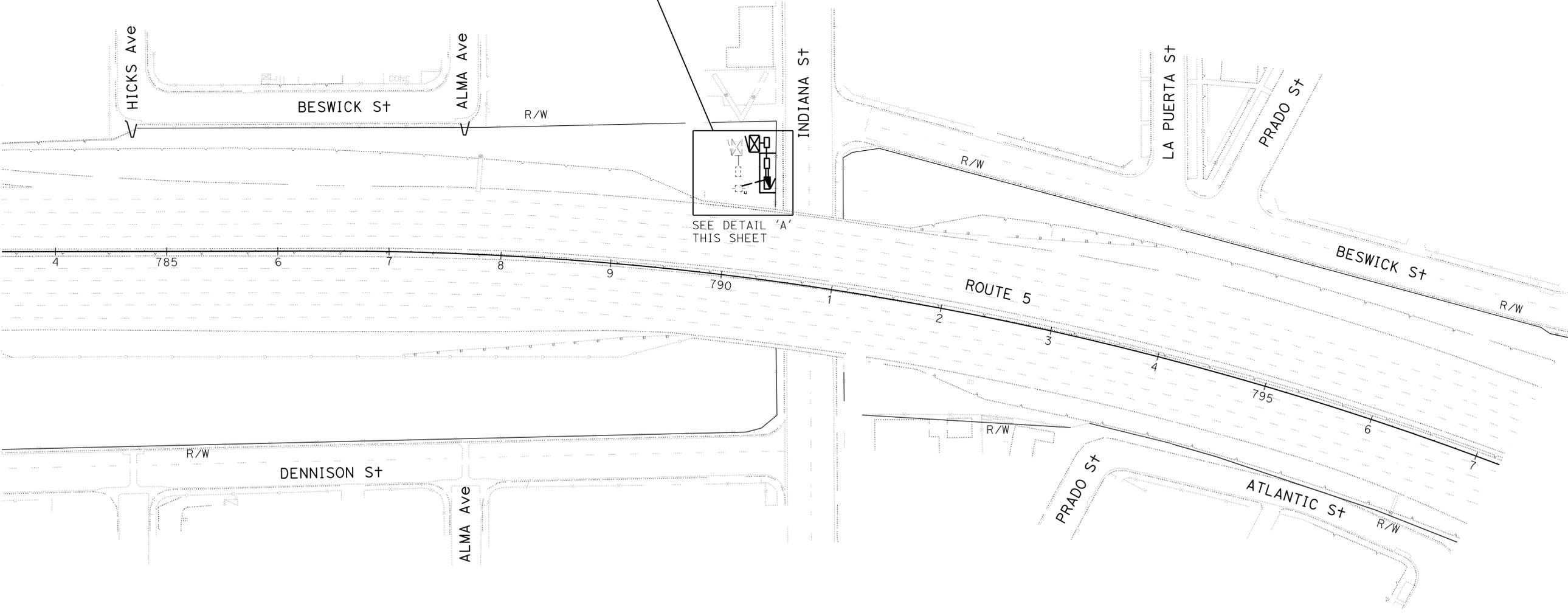
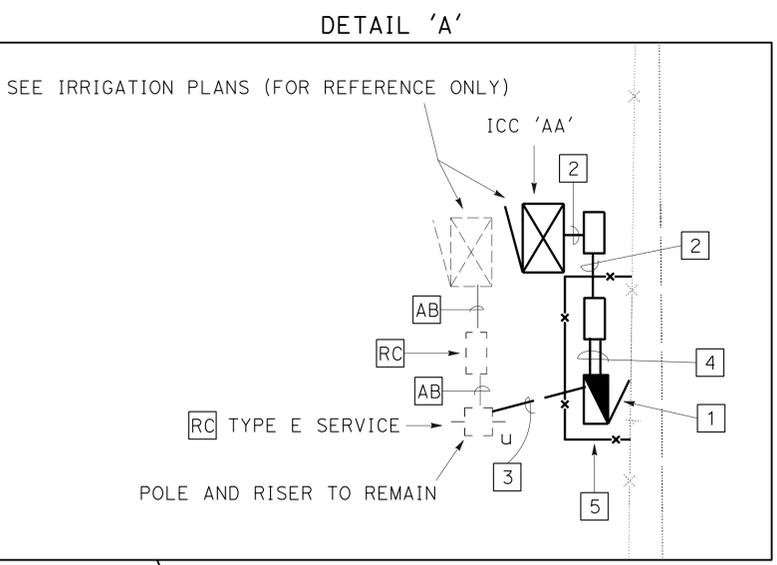
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 GEORGE OLGUIN
 CALCULATED/DESIGNED BY
 CHECKED BY
 GLEN LEVSTIK
 RICH KESTER
 REVISED BY
 DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: OSWALD ELTZONDO
 CALCULATED/DESIGNED BY: FARID REKABI
 CHECKED BY: JAMSHED HYDER
 REVISED BY: DATE REVISION

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

LEGEND: (THIS SHEET ONLY)

- 1 INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB, MAIN
 40 A, 240 V, 2P, CB, SPARE
 2-30 A, 240 V, 2P, CB, SPARE
 20 A, 120 P, 1P, CB, IRRIGATION
 15 A, 120 V, 1P, CB, PEC
 CTID: 07-53-005-R-014.900-M
 ADDRESS: 1130 1/2 INDIANA ST
- 2 1 1/2" C, 2#10, 1#8 (G)
- 3 2" C, MT, CONDUCTORS BY OTHERS
- 4 2-3" C, 2#10, 1#8 (G)
- 5 FOR CHAIN LINK FENCE AND CONCRETE PAD WORK,
 SEE CONSTRUCTION DETAILS ON SHEET C-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	29	42

5-30-13
 REGISTERED ELECTRICAL ENGINEER DATE
 7-29-13
 PLANS APPROVAL DATE

JAMSHED A. HYDER
 No. E18656
 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.



ELECTRIC SERVICE (IRRIGATION)

SCALE: 1" = 50'

E-1

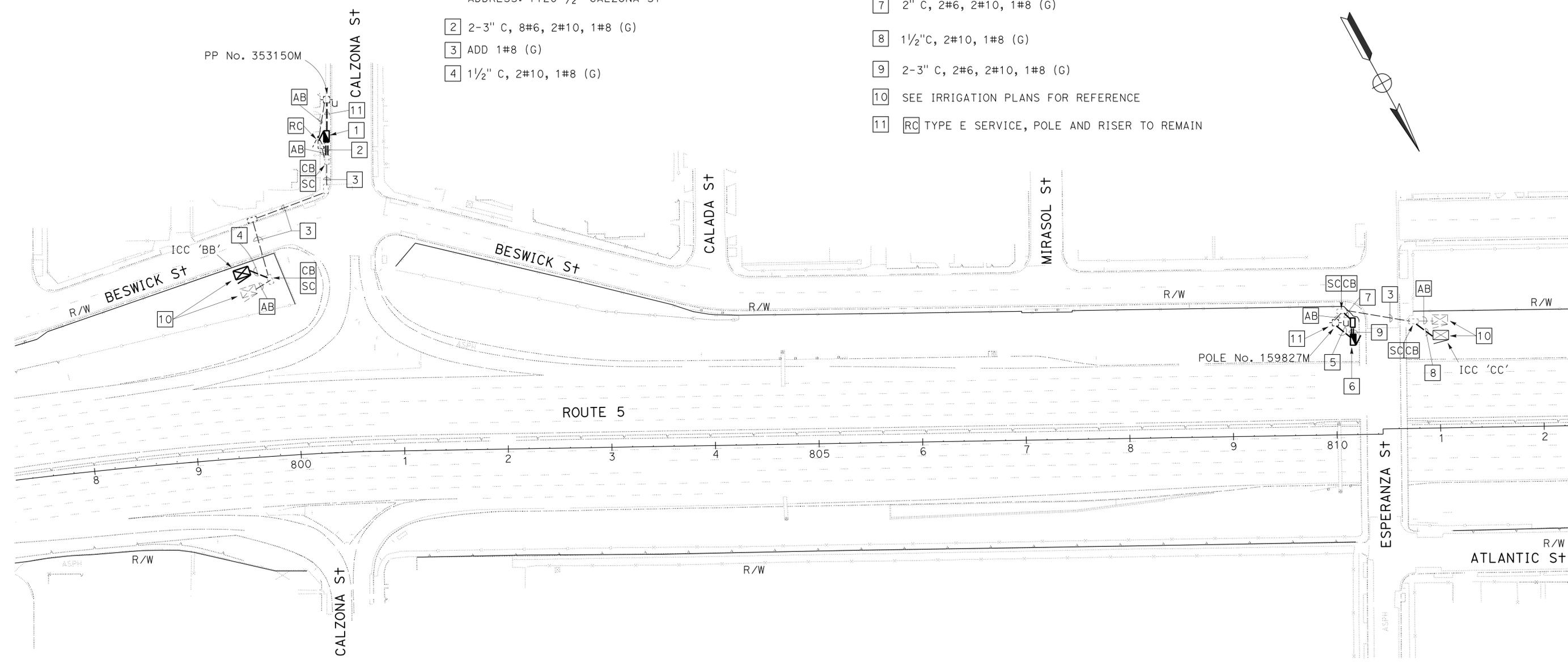
APPROVED FOR ELECTRICAL WORK ONLY

NOTE:

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

LEGEND: (THIS SHEET ONLY)

- 1 INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB, MAIN
 30 A, 240 V, 2P, CB, SIGN
 30 A, 240 V, 2P, CB, LIGHTING
 50 A, 120 V, 1P. CB, SIGNAL
 30 A, 120 V, 1P. CB, RAMP METERING
 20 A, 120 V, 1P. CB, IRRIGATION
 15 A, 120 V, 1P. CB, PEC
 CTID: 07-53-005-R-015.080-M
 ADDRESS: 1120 1/2 CALZONA ST
- 2 2-3" C, 8#6, 2#10, 1#8 (G)
- 3 ADD 1#8 (G)
- 4 1 1/2" C, 2#10, 1#8 (G)
- 5 2" C, MT, CONDUCTORS BY OTHERS
- 6 INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB, MAIN
 30 A, 240 V, 2P, CB, SPARE
 30 A, 120 V, 1P. CB, RAMP METERING
 20 A, 120 V, 1P. CB, IRRIGATION
 15 A, 120 V, 1P. CB, PEC
 CTID: 07-53-005-R-015.269-M
 ADDRESS: 1110 1/2 ESPERANZA ST
- 7 2" C, 2#6, 2#10, 1#8 (G)
- 8 1 1/2" C, 2#10, 1#8 (G)
- 9 2-3" C, 2#6, 2#10, 1#8 (G)
- 10 SEE IRRIGATION PLANS FOR REFERENCE
- 11 RC TYPE E SERVICE, POLE AND RISER TO REMAIN



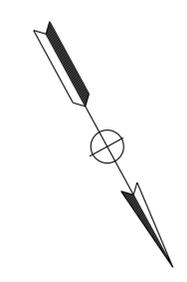
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	30	42

5-30-13
 REGISTERED ELECTRICAL ENGINEER DATE

7-29-13
 PLANS APPROVAL DATE

JAMSHED A. HYDER
 No. E18656
 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.



ELECTRICAL SERVICE (IRRIGATION)

SCALE: 1" = 50'

APPROVED FOR ELECTRICAL WORK ONLY

E-2

NOTE:

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

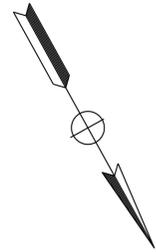
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	31	42

5-30-13
REGISTERED ELECTRICAL ENGINEER DATE

7-29-13
PLANS APPROVAL DATE

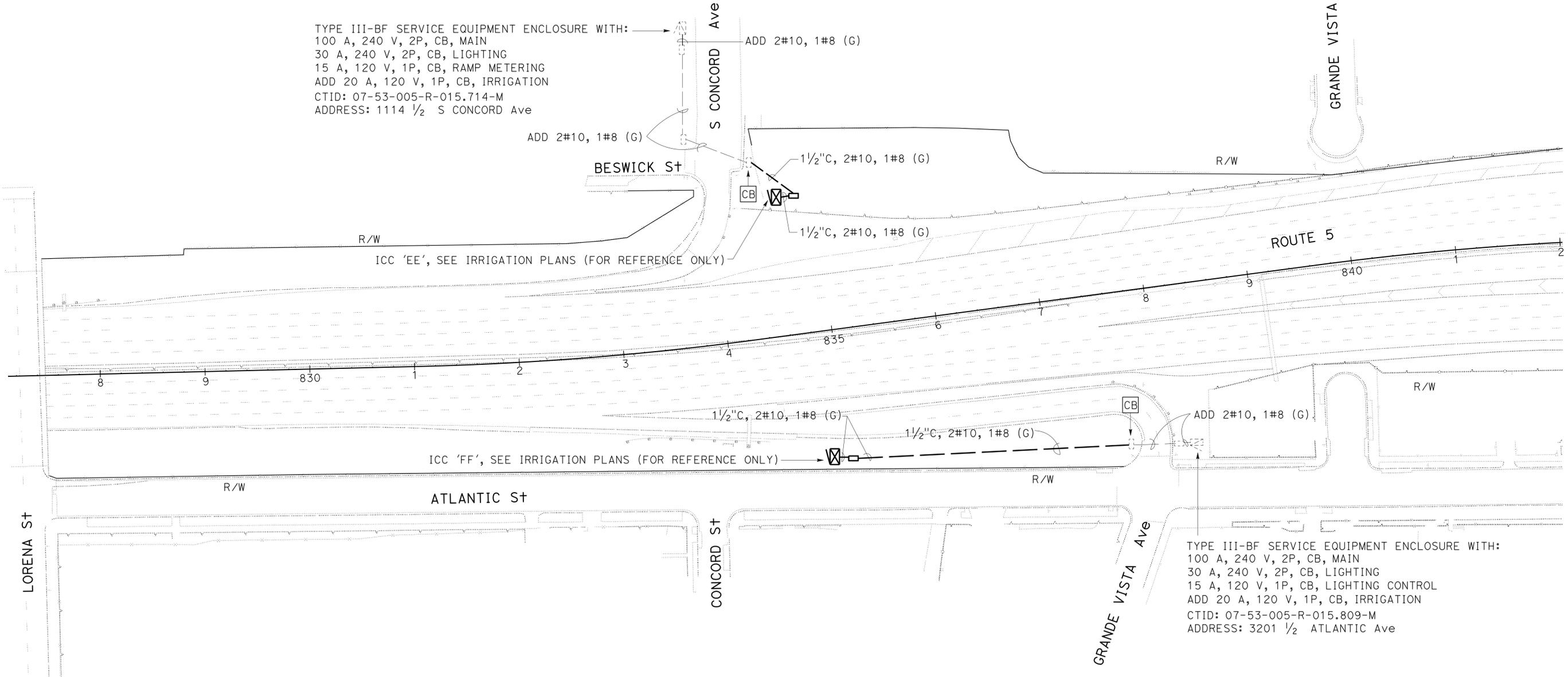
JAMSHED A. HYDER
No. E18656
Exp. 12/31/14
ELECTRICAL

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.



TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
100 A, 240 V, 2P, CB, MAIN
30 A, 240 V, 2P, CB, LIGHTING
15 A, 120 V, 1P, CB, RAMP METERING
ADD 20 A, 120 V, 1P, CB, IRRIGATION
CTID: 07-53-005-R-015.714-M
ADDRESS: 1114 1/2 S CONCORD Ave

TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH:
100 A, 240 V, 2P, CB, MAIN
30 A, 240 V, 2P, CB, LIGHTING
15 A, 120 V, 1P, CB, LIGHTING CONTROL
ADD 20 A, 120 V, 1P, CB, IRRIGATION
CTID: 07-53-005-R-015.809-M
ADDRESS: 3201 1/2 ATLANTIC Ave



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO

CALCULATED/DESIGNED BY: FARID REKABI
CHECKED BY: JAMSHED HYDER

REVISOR BY: FARID REKABI
DATE: [REDACTED]

ELECTRICAL SERVICE (IRRIGATION)

SCALE: 1" = 50'

E-3

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO

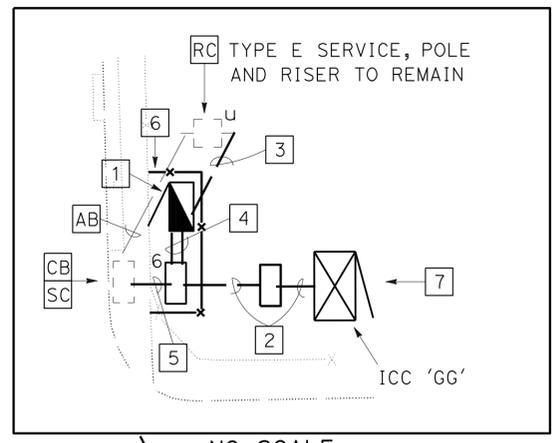
CALCULATED/DESIGNED BY: FARID REKABI
 CHECKED BY: JAMSHED HYDER

REVISED BY: DATE REVISED

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

- LEGEND: (THIS SHEET ONLY)**
- 1 INSTALL TYPE-III SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240 V, 2P, CB, MAIN
 40 A, 120 V, 1P, CB, SPARE
 2-30A, 240 V, 2P, CB, SPARE
 20 A, 120 V, 1P, CB, IRRIGATION
 15 A, 120 V, 1P, CB, PEC
 CTID: 07-53-005-R-016.017-M
 ADDRESS: 1110 1/2 ESPERANZA Ave
 - 2 1 1/2" C, 2#10, 1#8 (G)
 - 3 2" C, MT, CONDUCTORS BY OTHERS
 - 4 2-3 "C, 2#6, 2#10, 1#8 (G)
 - 5 2" C, 2#6, 1#8 (G)
 - 6 FOR CHAIN LINK FENCE AND CONCRETE PAD WORK,
 SEE CONSTRUCTION DETAIL PLAN ON SHEET C-1
 - 7 SEE IRRIGATION PLAN (FOR REFERENCE ONLY)

DETAIL 'A'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	32	42

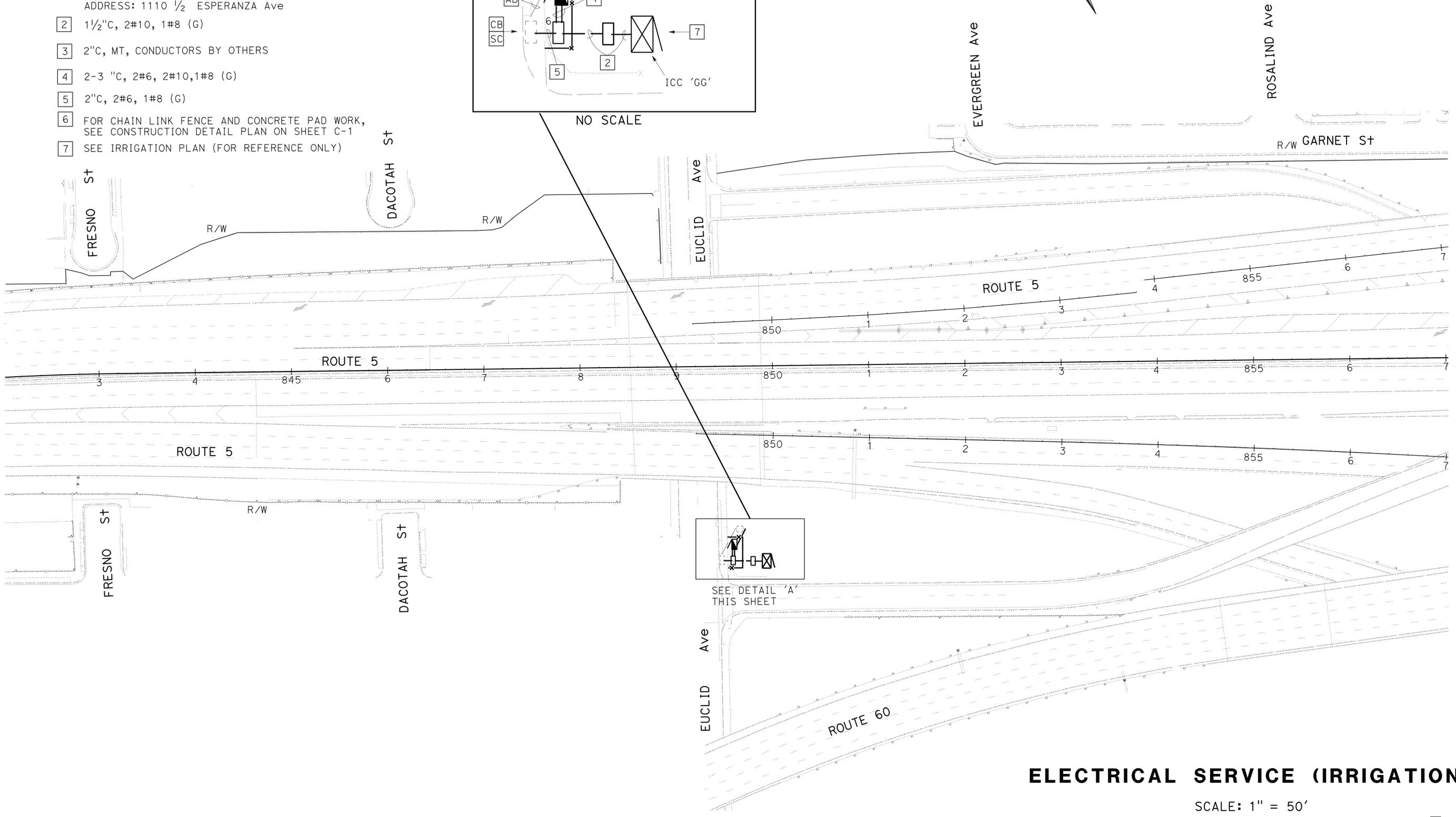
5-30-13
 REGISTERED ELECTRICAL ENGINEER DATE

7-29-13
 PLANS APPROVAL DATE

JAMSHED A. HYDER
 No. E18656
 Exp. 12/31/14
 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.



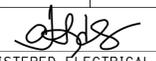
ELECTRICAL SERVICE (IRRIGATION)

SCALE: 1" = 50'

E-4

APPROVED FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	34	42

 5-30-13
 REGISTERED ELECTRICAL ENGINEER DATE

7-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
**JAMSHED
A. HYDER**
 No. E18656
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR OSWALD ELIZONDO
 CALCULATED/DESIGNED BY FARID REKABI
 CHECKED BY JAMSHED HYDER
 REVISED BY
 DATE REVISED

ELECTRICAL SERVICE (IRRIGATION)

SHEET No.	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
	PULL BOX	CONDUIT 3"	CONDUIT 2"	CONDUIT 1 1/2"	CONDUCTOR #6	CONDUCTOR #10	CONDUCTOR #8 (G)	ADD CIRCUIT BREAKER	SERVICE EQUIPMENT ENCLOSURE	REMOVE CONDUCTORS	REMOVE TYPE E SERVICE	REMOVE SERVICE AND FOUNDATION	REMOVE PULL BOX
	EA	LF	LF	LF	LF	LF	LF	EA	EA	LF	EA	EA	EA
E-1	2	20	60	50	200	250	120	—	1	60	1	—	1
E-2	1	—	—	50	—	400	320	—	2	60	1	1	—
E-3	2	—	—	350	—	1150	560	2	—	—	—	—	—
E-4	2	20	40	50	100	150	100	—	1	80	1	—	—
E-5	3	—	—	350	—	750	400	2	—	—	—	—	—
TOTAL	10	40	100	850	300	2700	1500	4	4	200	3	1	1

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ELECTRICAL QUANTITIES

E-6

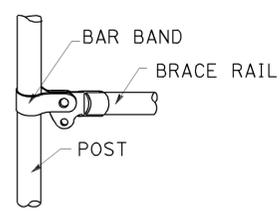
LAST REVISION | DATE PLOTTED => 31-JUL-2013
 00-00-00 | TIME PLOTTED => 06:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	14.9/16.8	35	42

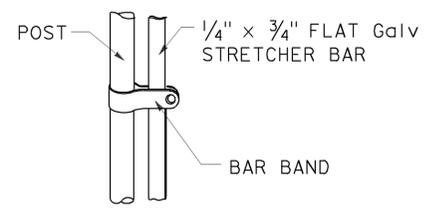
Glenn DeCou
 REGISTERED CIVIL ENGINEER
 No. C34547
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

October 19, 2012
 PLANS APPROVAL DATE

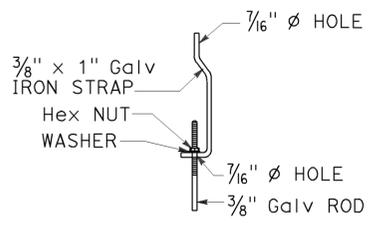
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BRACE RAIL



STRETCHER BAR

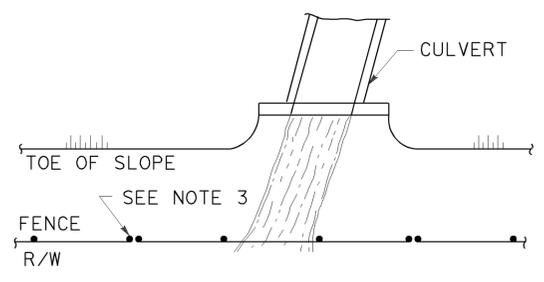


TRUSS TIGHTENER

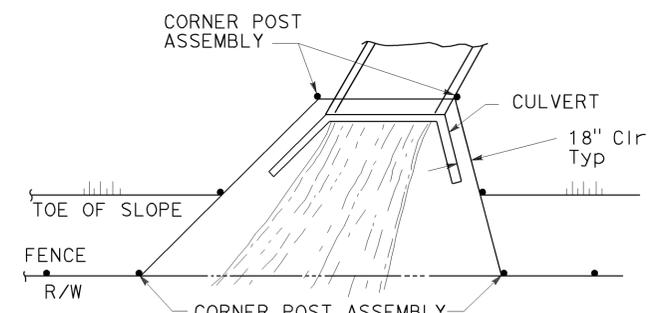
NOTES:

1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.

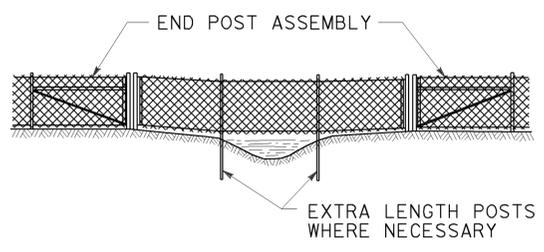
TO ACCOMPANY PLANS DATED 7-29-13



PLAN

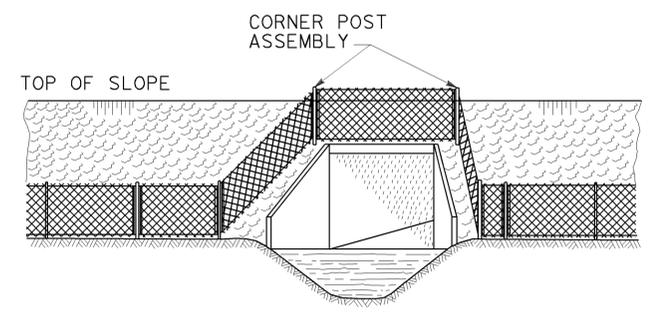


PLAN



ELEVATION

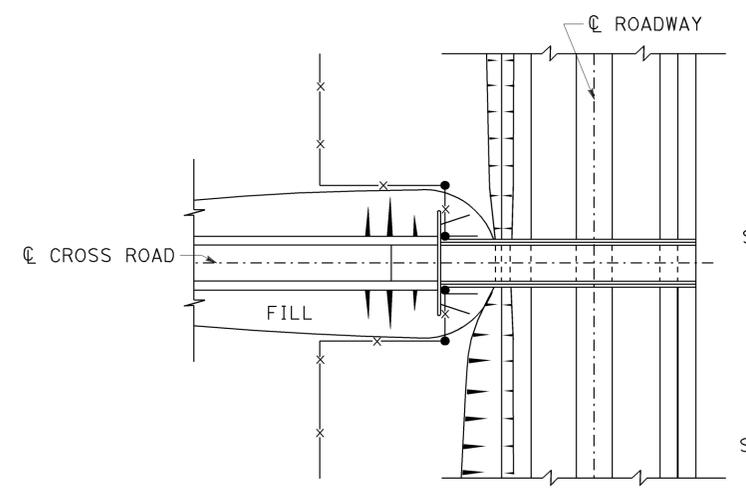
INSTALLATION OVER STREAM



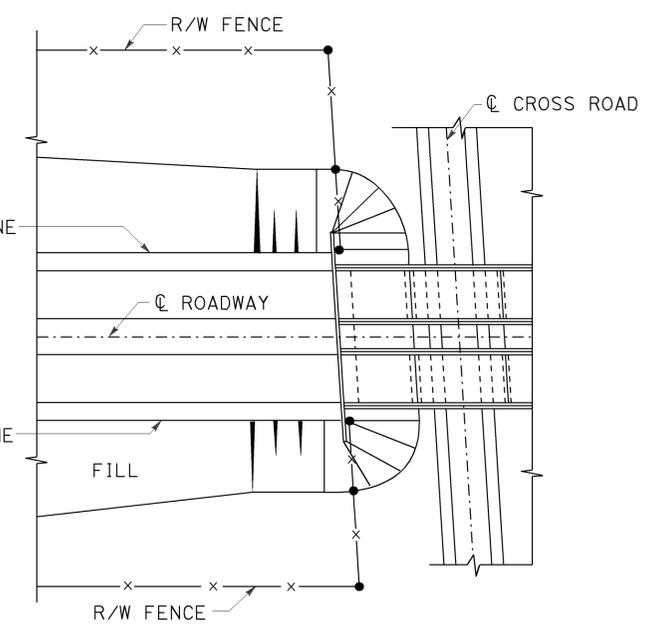
ELEVATION

INSTALLATION AROUND HEADWALL

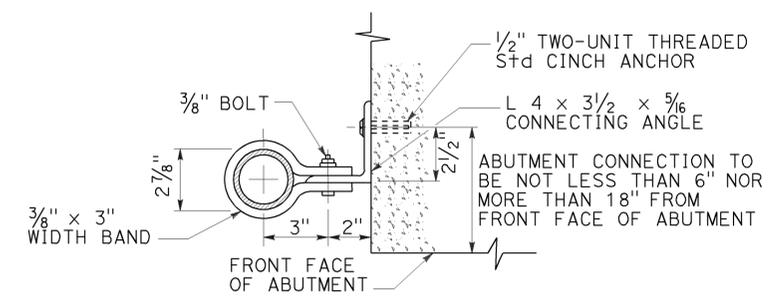
See Note 4



PLAN OF ROADWAY - OVERCROSSING



PLAN OF ROADWAY - UNDERCROSSING



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

ABUTMENT CONNECTION TO BE NOT LESS THAN 6" NOR MORE THAN 18" FROM FRONT FACE OF ABUTMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

TO ACCOMPANY PLANS DATED 7-29-13

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T9 DATED APRIL 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

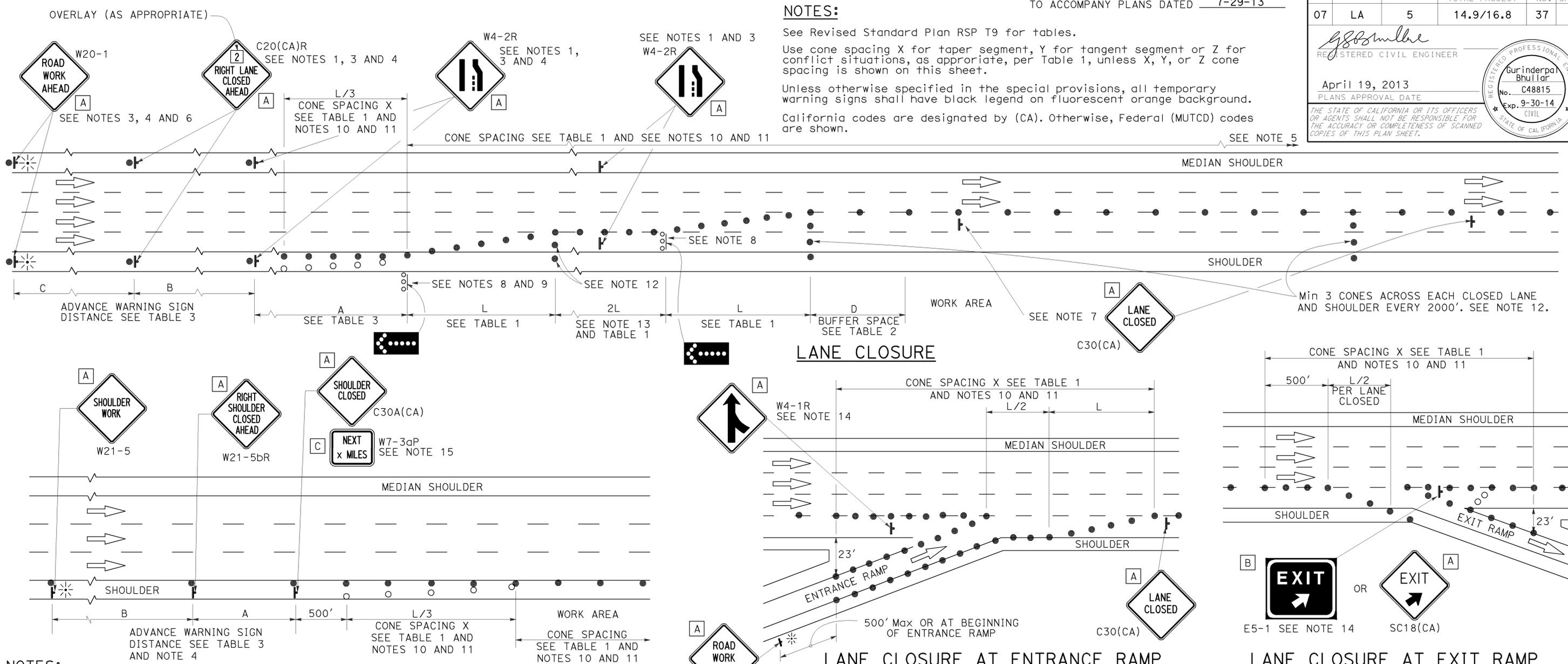
REVISED STANDARD PLAN RSP T9

2010 REVISED STANDARD PLAN RSP T9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	37	42

REGISTERED CIVIL ENGINEER
 April 19, 2013
 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
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA



- NOTES:**
1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
 2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
 3. Duplicate sign installations are not required:
 - a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

- SHOULDER CLOSURE**
6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA)L and W4-2L signs shall be used.
 7. Place a C30(CA) sign every 2000' throughout length of lane closure.
 8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
 9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
 10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
 11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

- LANE CLOSURE AT ENTRANCE RAMP**
- LANE CLOSURE AT EXIT RAMP**
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
 13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
 14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
 15. A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- ⬢ FLASHING ARROW SIGN (FAS)
- ⬢ FAS SUPPORT OR TRAILER
- ☼ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

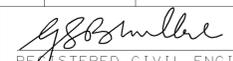
NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10
 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

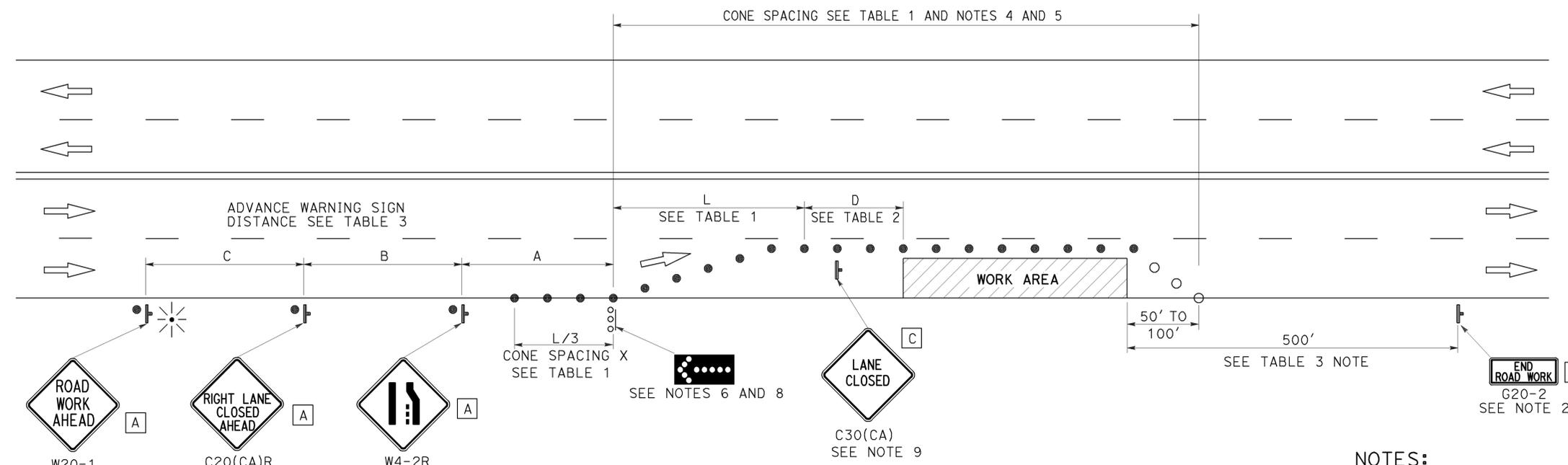
2010 REVISED STANDARD PLAN RSP T10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	38	42


 REGISTERED CIVIL ENGINEER
 April 19, 2013
 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.

TO ACCOMPANY PLANS DATED 7-29-13



TYPICAL LANE CLOSURE

NOTES:

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

- Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

LEGEND

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

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
MULTILANE CONVENTIONAL
HIGHWAYS**

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11
DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	39	42

REGISTERED CIVIL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

April 19, 2013
 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.

LEGEND

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

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

NOTES:

See Revised Standard Plan RSP T9 for tables.

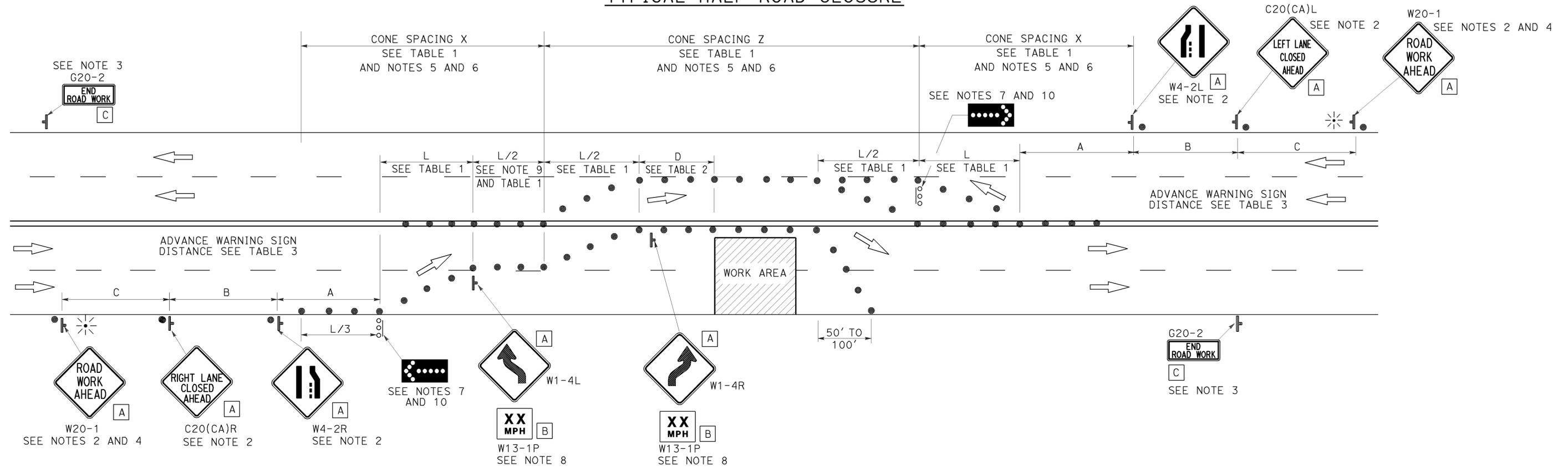
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TO ACCOMPANY PLANS DATED 7-29-13

TYPICAL HALF ROAD CLOSURE



NOTES:

1. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow signs shall be either Type I or Type II.
8. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
9. Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
10. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR HALF ROAD CLOSURE ON
MULTILANE CONVENTIONAL
HIGHWAYS AND EXPRESSWAYS**

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12
DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T12

2010 REVISED STANDARD PLAN RSP T12

NOTES:

See Revised Standard Plan RSP T9 for tables.

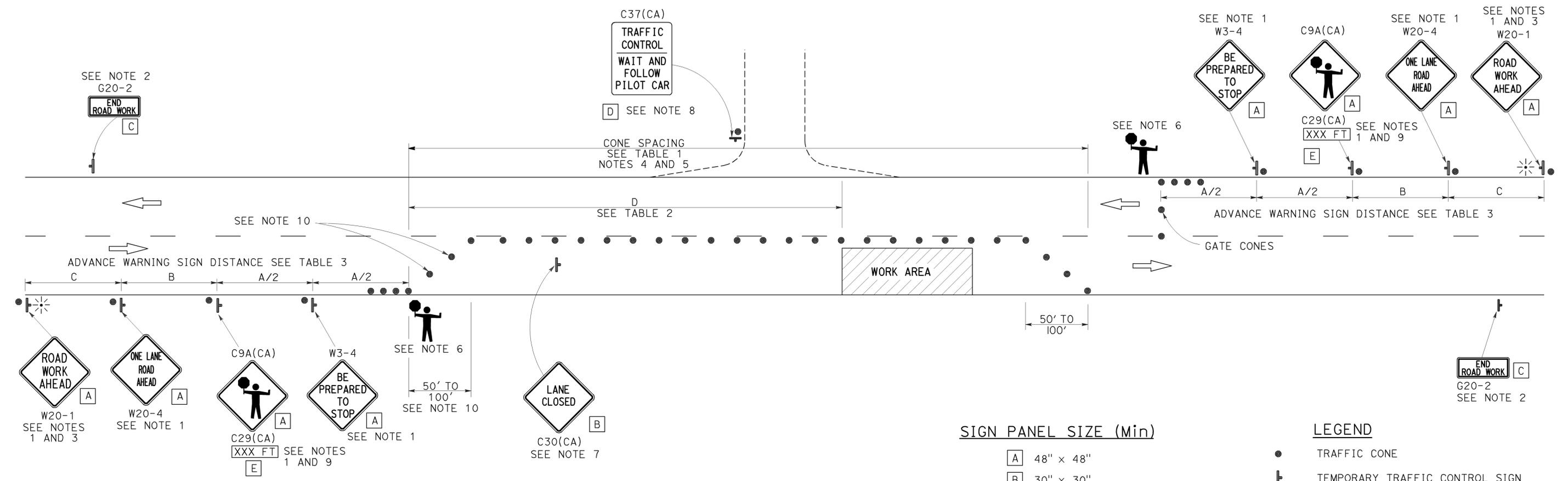
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 7-29-13



NOTES:

- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS**

NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13
DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

2010 REVISED STANDARD PLAN RSP T13

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

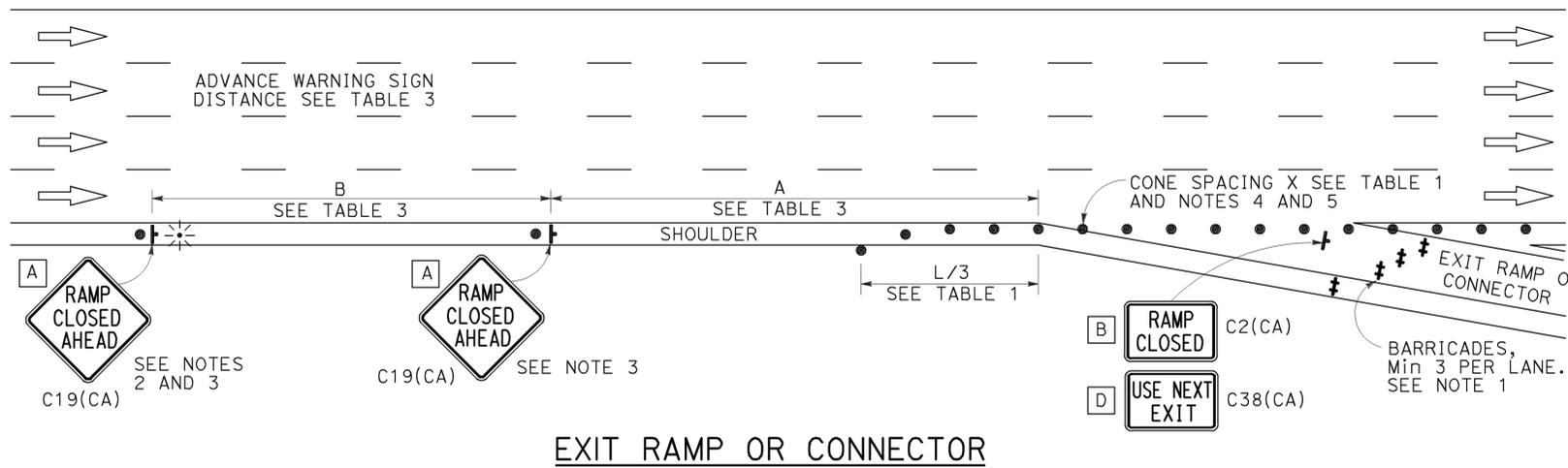
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	14.9/16.8	41	42

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

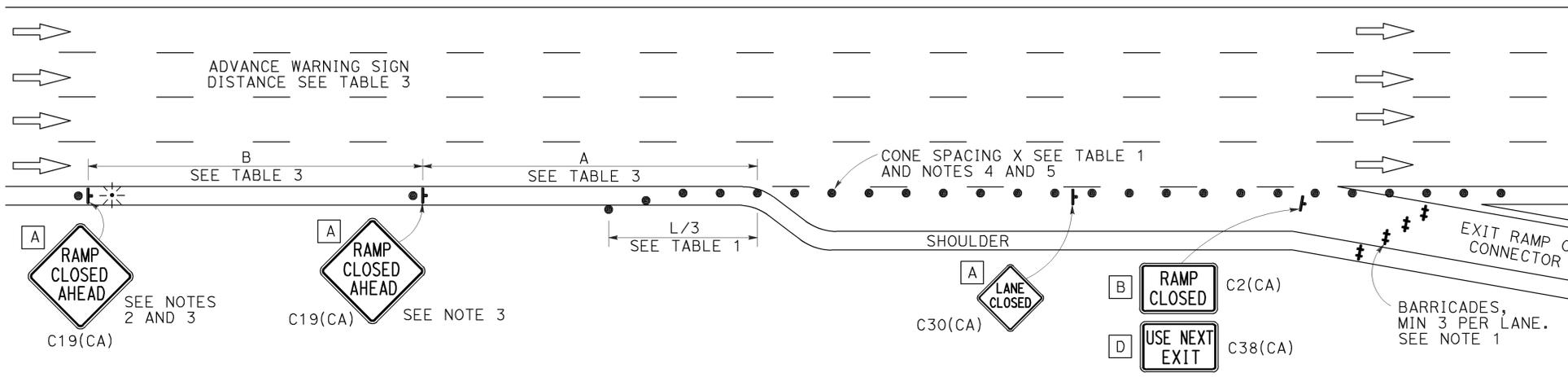
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TO ACCOMPANY PLANS DATED 7-29-13

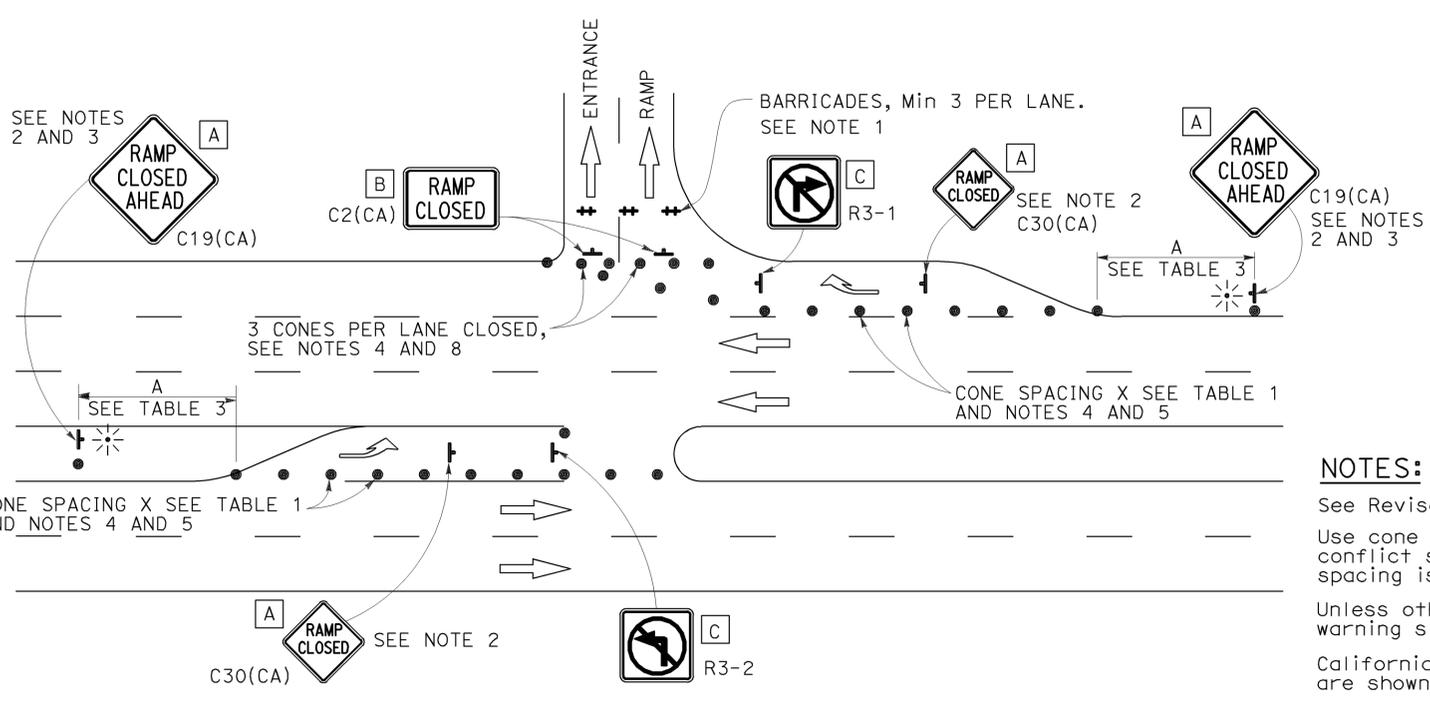
2010 REVISED STANDARD PLAN RSP T14



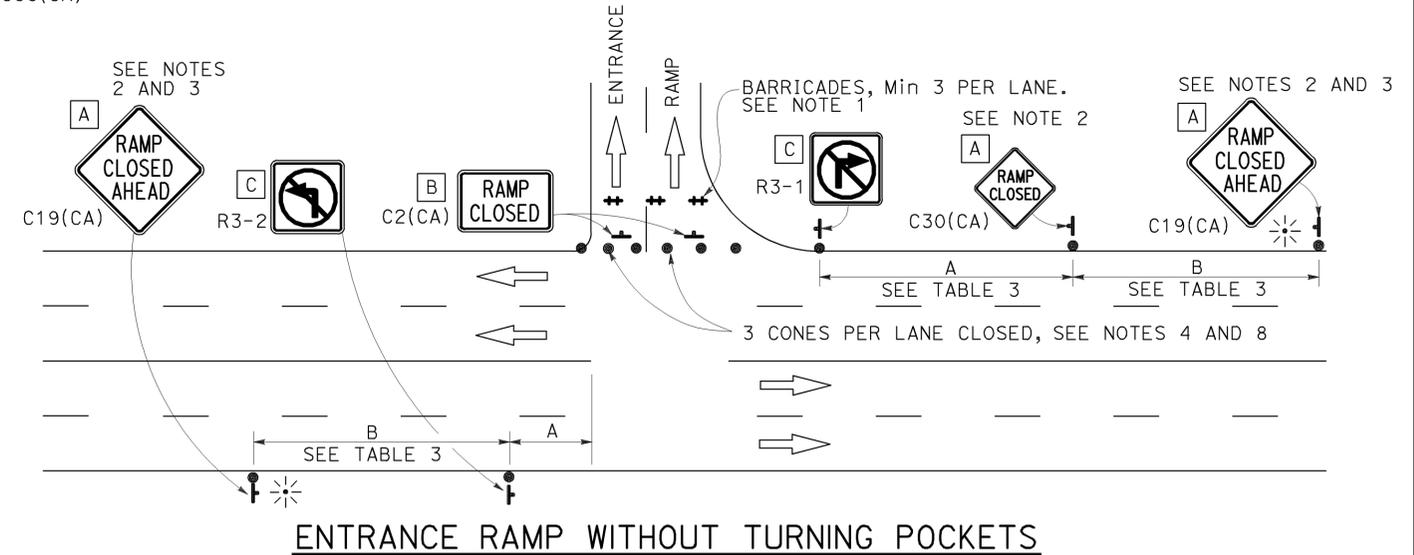
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

1. See Revised Standard Plan RSP T9 for tables.
2. Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
3. Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
4. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

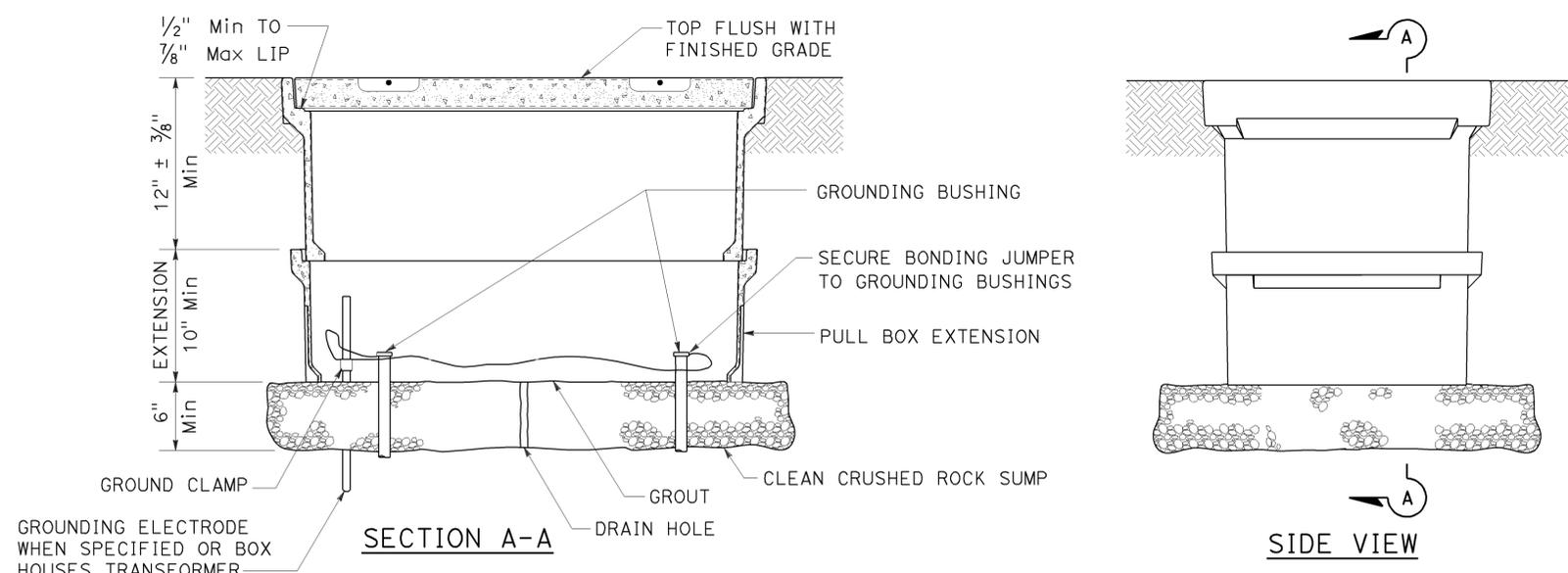
RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.
REVISED STANDARD PLAN RSP T14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	14.9/16.8	42	42

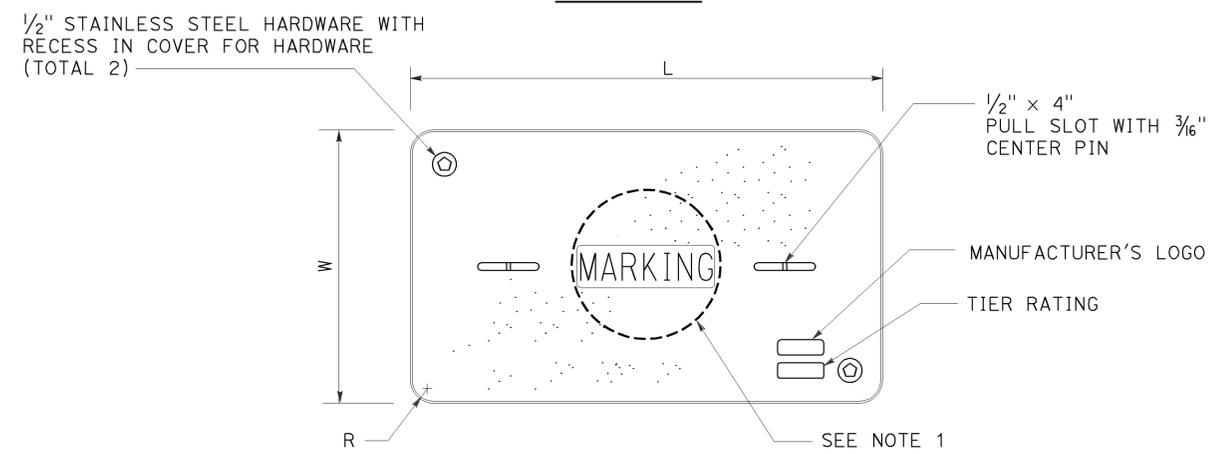
Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 January 20, 2012
 PLANS APPROVAL DATE

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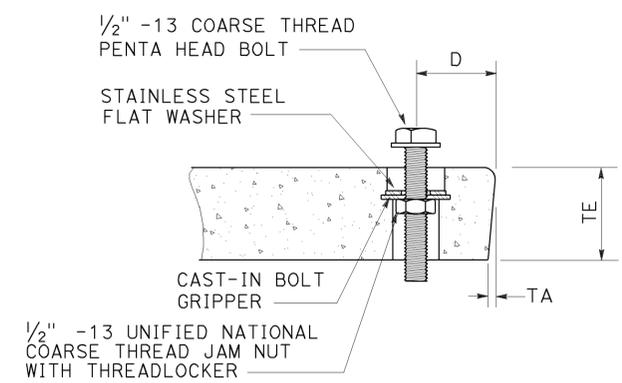
REGISTERED PROFESSIONAL ENGINEER
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-12
 ELECTRICAL
 STATE OF CALIFORNIA



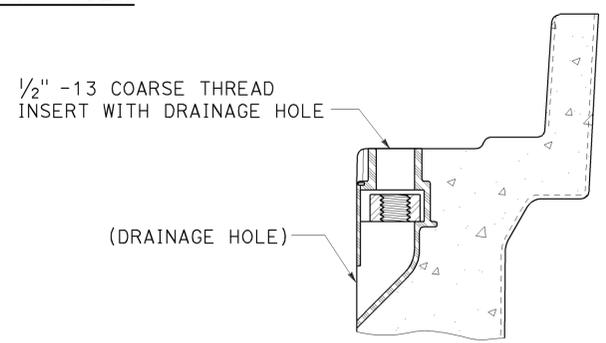
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT OR SIMILAR



TYPICAL THREADED INSERT OR SIMILAR

NOTES ON PULL BOXES:

- TO ACCOMPANY PLANS DATED 7-29-13
- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
 - Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
 - Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

DIMENSION TABLE

PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS (PULL BOX)
 NO SCALE

RSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP ES-8A