

INDEX OF PLANS

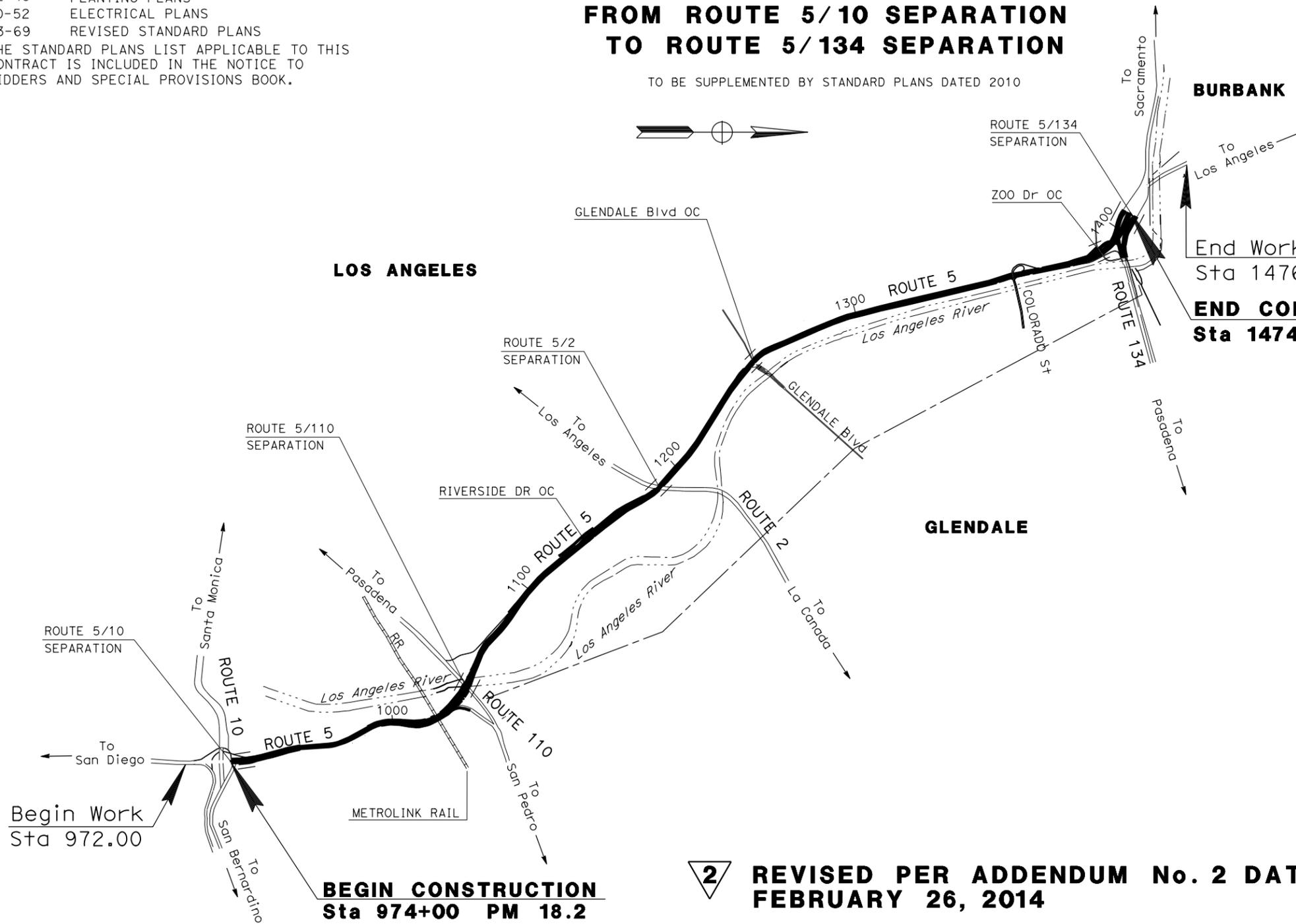
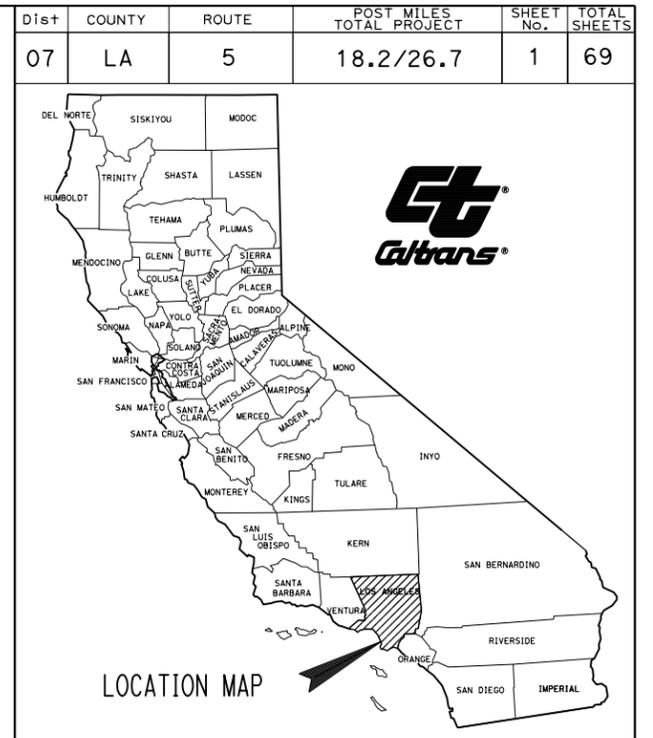
SHEET	DESCRIPTION:
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4-8	TRAFFIC HANDLING DETAILS
9	SUMMARY OF QUANTITIES
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53-69	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA **ACSTPE-005-3(093)E**
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
IN LOS ANGELES, GLENDALE AND BURBANK
FROM ROUTE 5/10 SEPARATION
TO ROUTE 5/134 SEPARATION

2

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



2 **REVISED PER ADDENDUM No. 2 DATED**
FEBRUARY 26, 2014

NO SCALE

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 October 28, 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.	07-284204
PROJECT ID	0700020871

PROJECT MANAGER
DAVID H. MIRAANEY

DESIGN ENGINEER
KEITH SELLERS

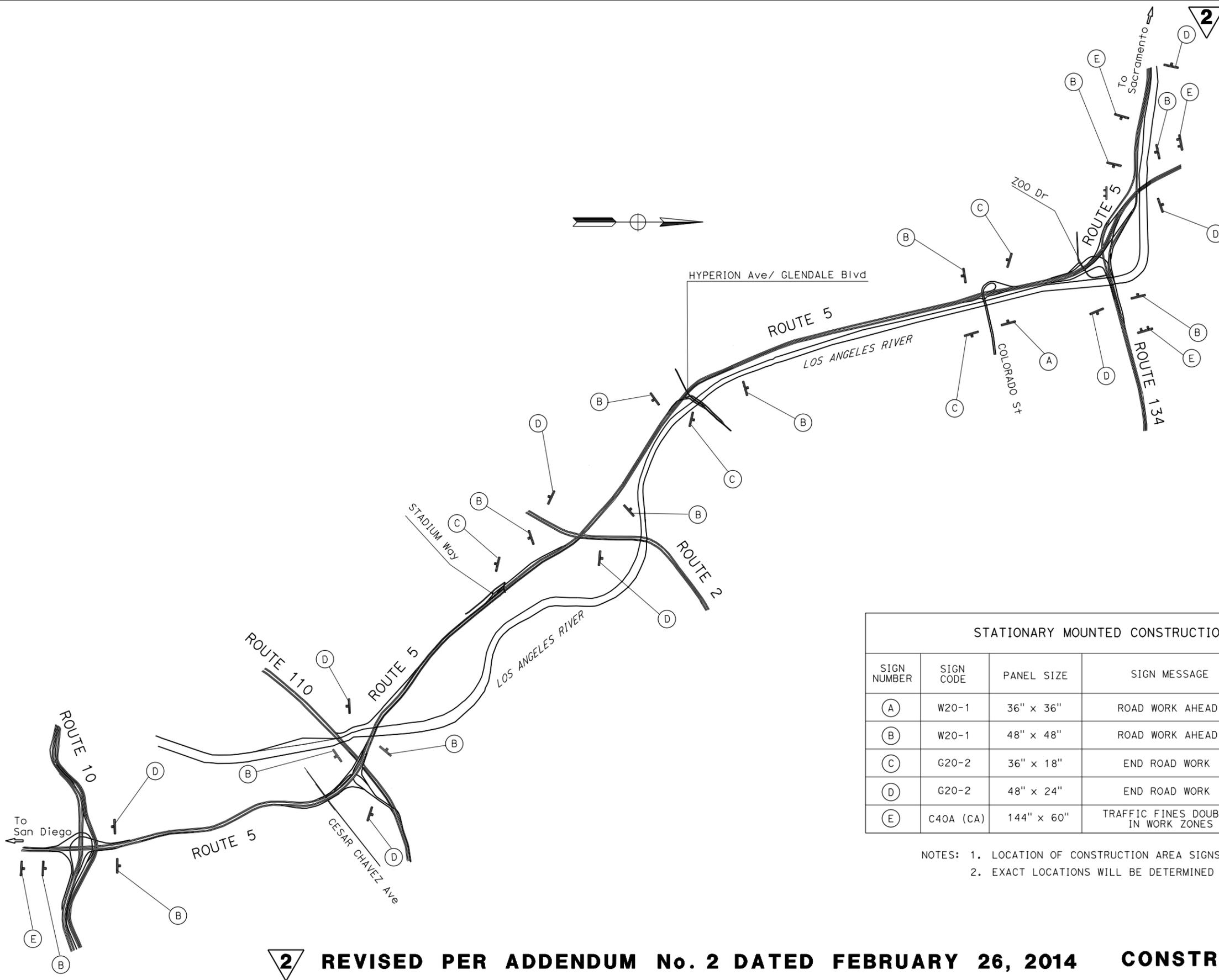
DATE PLOTTED => 25-FEB-2014
 TIME PLOTTED => 12:17
 02-19-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN
 CALCULATED-DESIGNED BY: SHAHAN PETROSIAN
 CHECKED BY: JENNIFER NGUYEN
 REVISED BY: SHAHAN PETROSIAN
 DATE REVISED: JENNIFER NGUYEN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	3	69

Jennifer Nguyen 7/17/13
 REGISTERED CIVIL ENGINEER DATE
 10/28/13
 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.

REGISTERED PROFESSIONAL ENGINEER
 JENNIFER NGUYEN
 No. C65963
 Exp 6/30/14
 CIVIL
 STATE OF CALIFORNIA



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 4"	1
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	12
(C)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	4
(D)	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 6"	8
(E)	C40A (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	4

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

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 CONSTRUCTION AREA SIGNS
 APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY NO SCALE

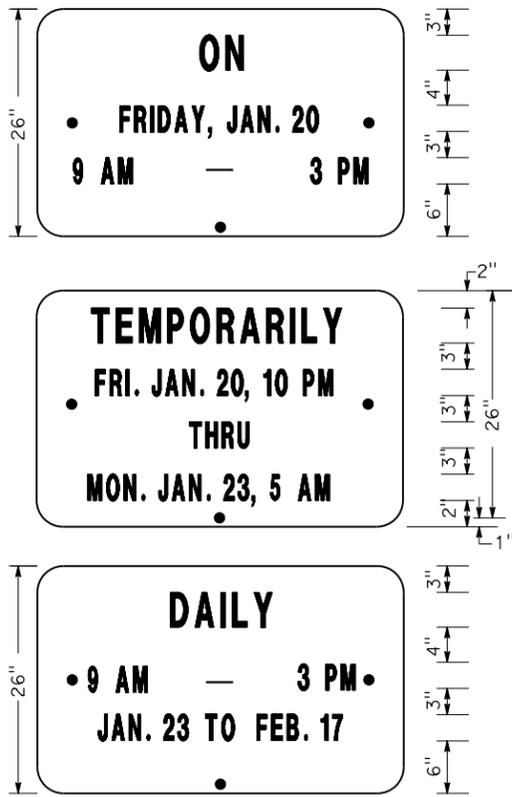
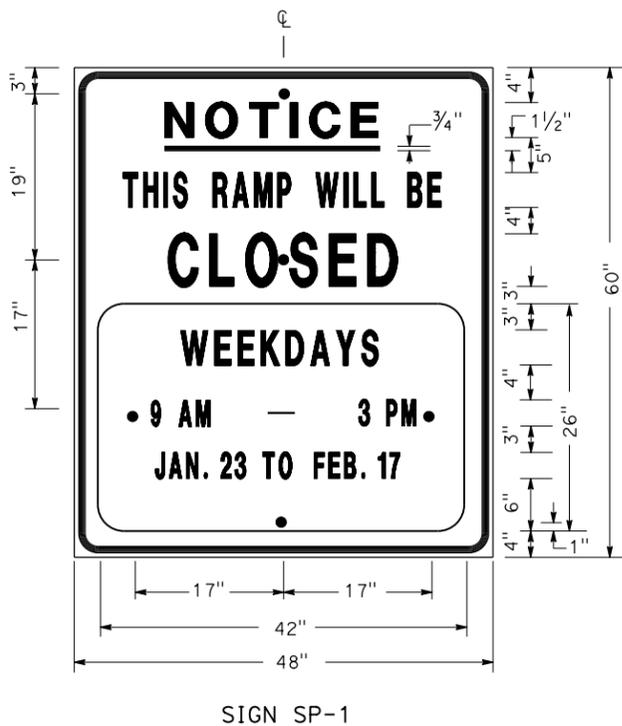
LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:17

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	4	69

REGISTERED CIVIL ENGINEER DATE: 10/28/13
 PLANS APPROVAL DATE: 10/28/13
 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.

MARTIN OREGEL
 No. 56816
 Exp. 6-30-13
 CIVIL ENGINEER
 STATE OF CALIFORNIA

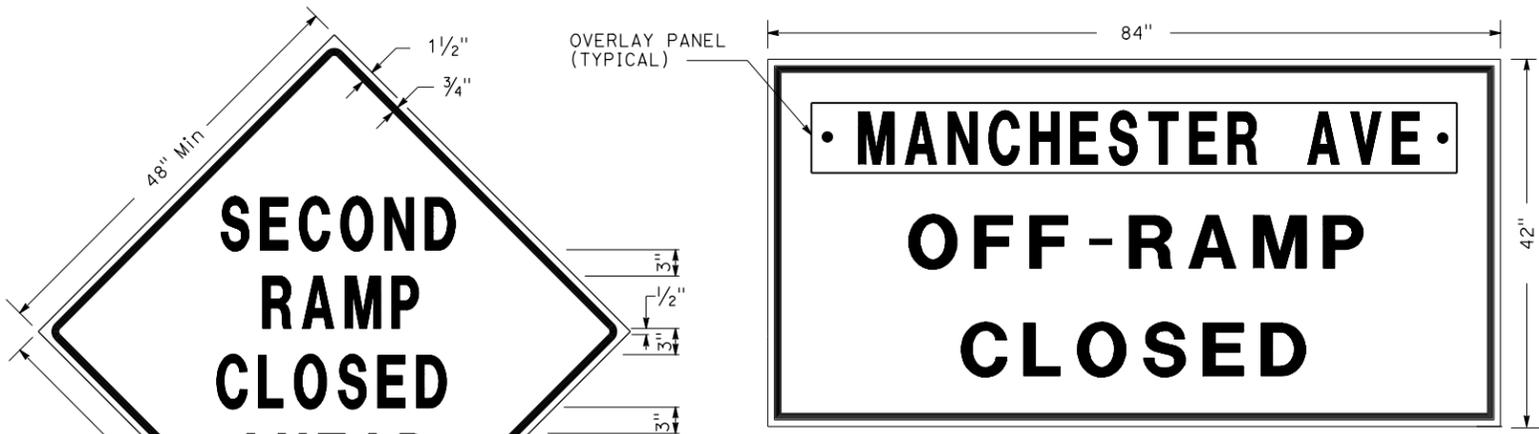


- NOTES: SIGN SP-1
- LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
 - BOLT HOLES SHALL BE 3/8" DIAMETER.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.

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

* CONDENSED SPACING IF NECESSARY

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



- 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



- 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

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 NO SCALE THD-1

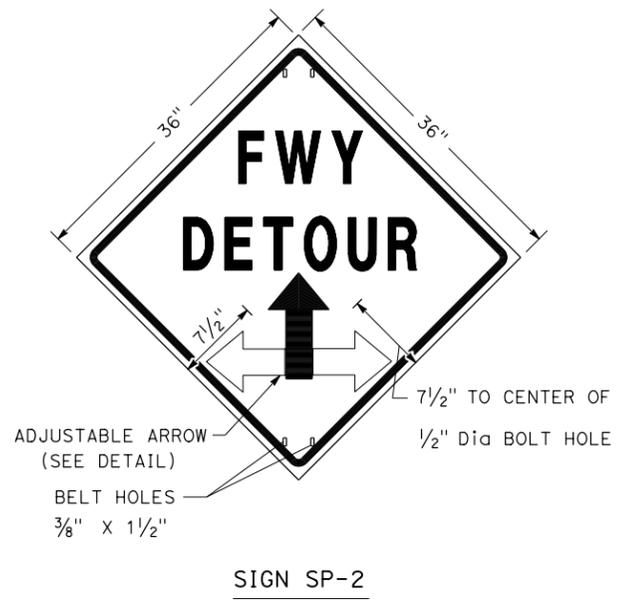
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **DTM**
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY: ALBERT K YU
 REVISIONS: JC 3/12
 REVISIONS: DATE REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	5	69

REGISTERED CIVIL ENGINEER DATE: 10/28/13
 PLANS APPROVAL DATE: 10/28/13
 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.

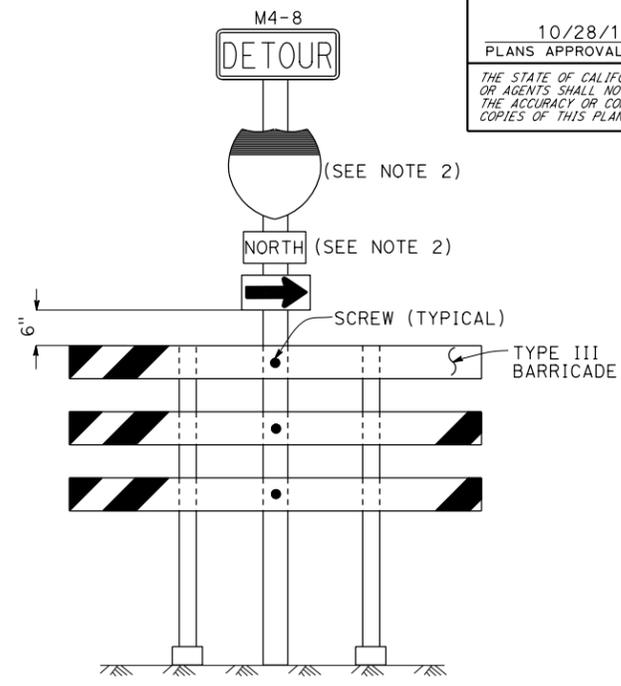
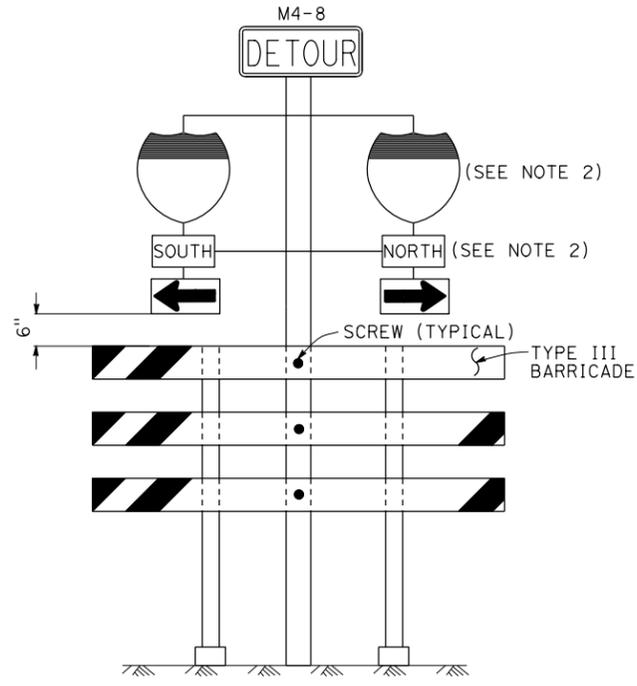
MARTIN OREGEL
 No. 56816
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA



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.

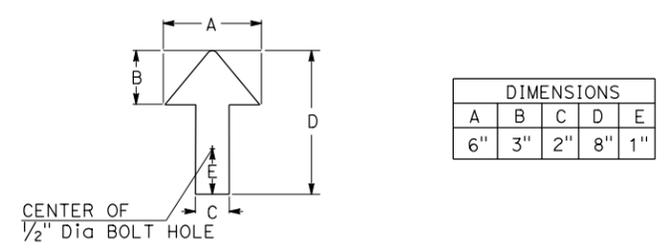
ABBREVIATION
 (CA) CALIFORNIA CODE



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**

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 NO SCALE **THD-2**

DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR
 MARTIN OREGEL
 CHECKED BY
 JOCELYN C CHIANG
 REVISIONS:
 JC 3/12
 REVISED BY
 DATE REVISED

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	6	69

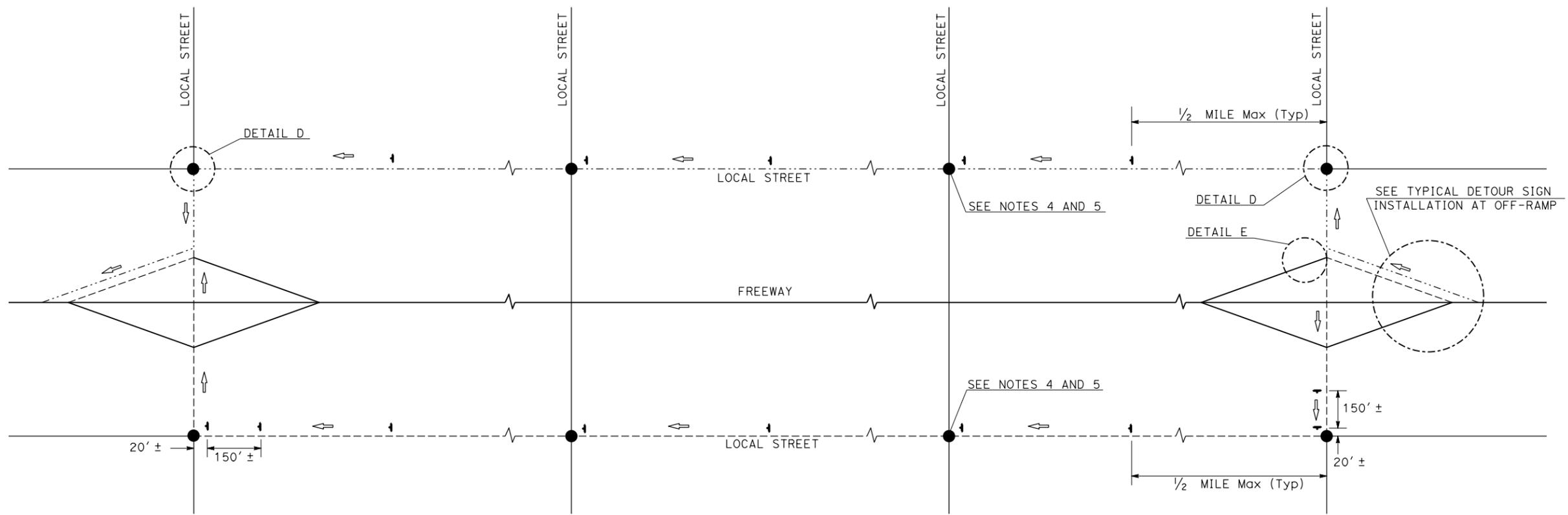
REGISTERED CIVIL ENGINEER DATE 2-11-13
 10/28/13
 PLANS APPROVAL DATE

MARTIN OREGEL
 No. 56816
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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

- NOTES:**
- SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
 - SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
 - SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
 - 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.
 - UNLESS OTHERWISE SHOWN ON OTHER THD PLANS, WHEN CONTROLLED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE ARE CLOSELY SPACED, PLACE SP-2 SIGNS AT CONTROLLED INTERSECTIONS AT A DISTANCE NOT TO EXCEED 1/4 MILE FROM THE PRECEDING DETOUR SIGN.
 - EXCEPT AS OTHERWISE SHOWN ON OTHER PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS, SP-2 SIGNS 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**

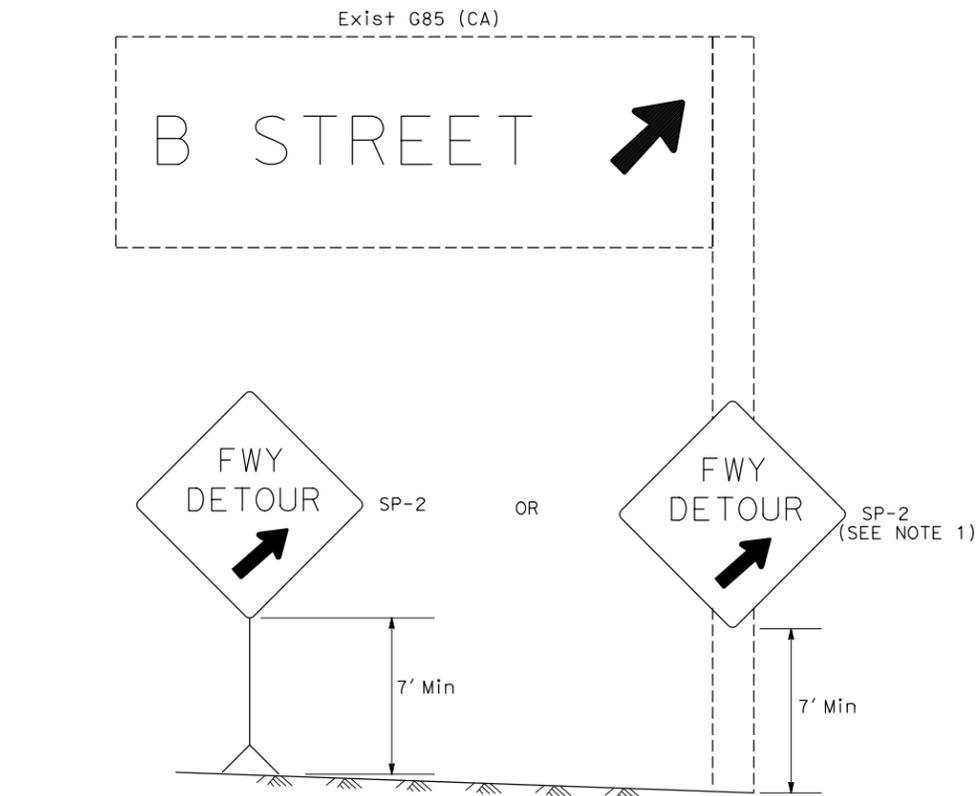
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LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:17
 02-19-14

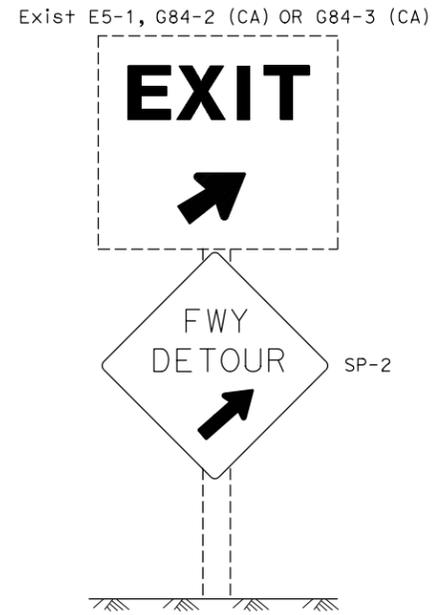
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS:
 3/12 JC
 3/12 JC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	7	69

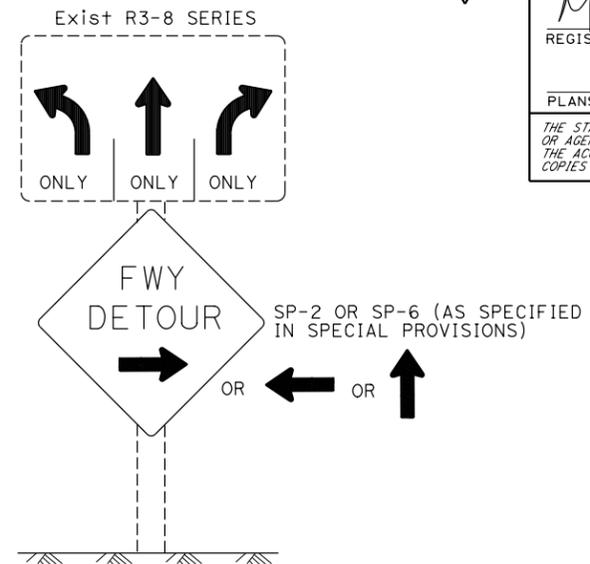
10/28/13
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



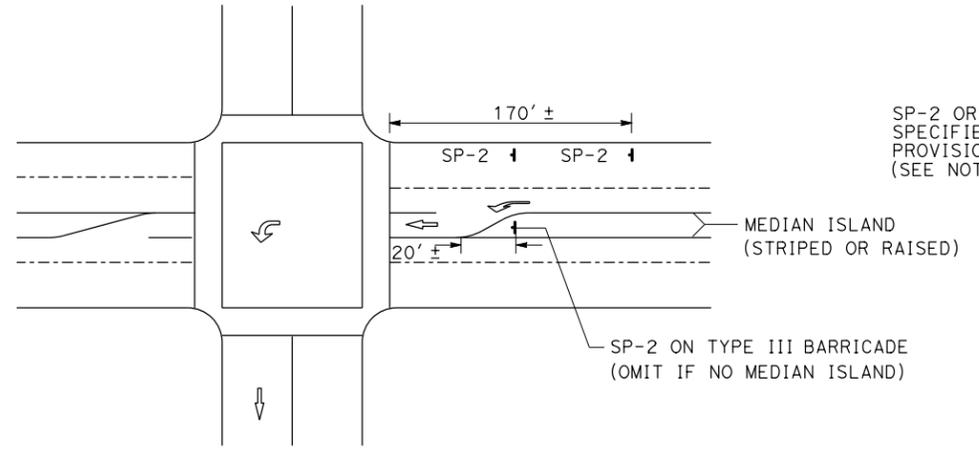
DETAIL A (SEE NOTE 3)



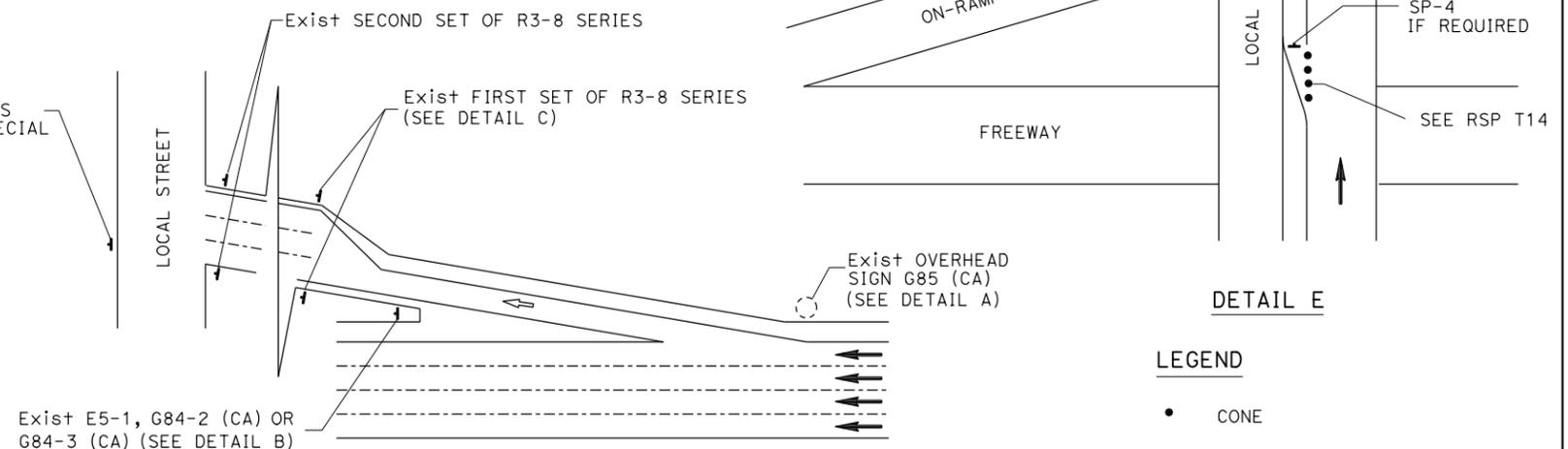
DETAIL B (SEE NOTE 3)



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



DETAIL D



DETAIL E

- NOTES: SIGN SP-2
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. OMIT DETAILS A AND B FOR FULL FREEWAY CLOSURES.
 4. 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.
 5. 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.
 6. EXCEPT FOR DETAILS A & B, OMIT SP-2 SIGNS IF RAMP HAS MANDATORY SINGLE MOVE.

TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

SIGN CODE LEGEND

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

LEGEND

- CONE
- ↑ PORTABLE SIGN
- DIRECTION OF TRAVEL
- ⇨ DETOUR DIRECTION
- EXISTING OVERHEAD SIGN

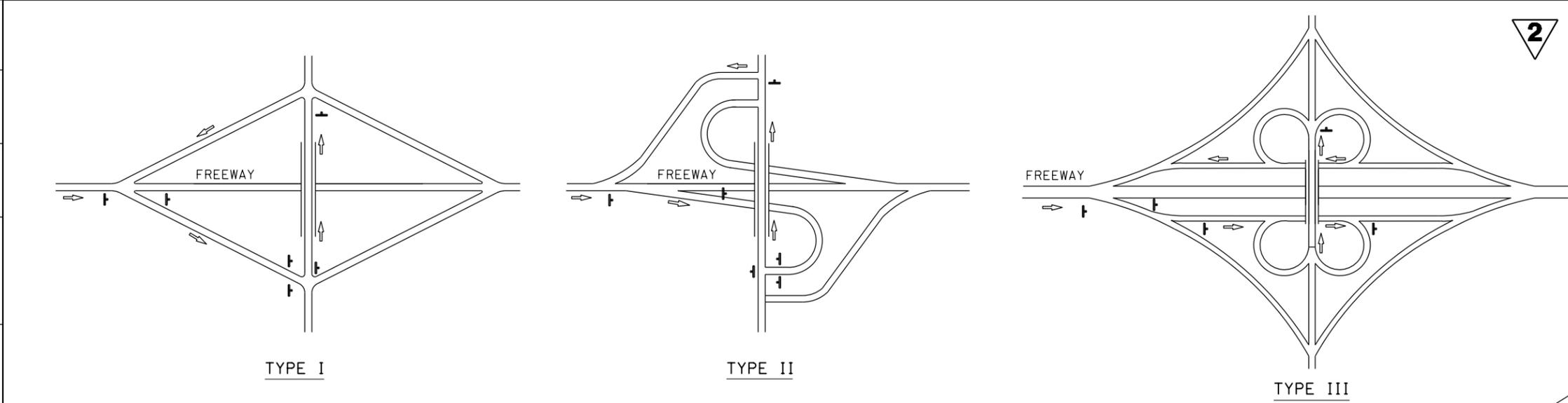
**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR DETOUR SIGN INSTALLATION
 ALONG DESIGNATED DETOUR ROUTE
 SHEET 2 OF 3**

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

NO SCALE **THD-4**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:17 02-19-14

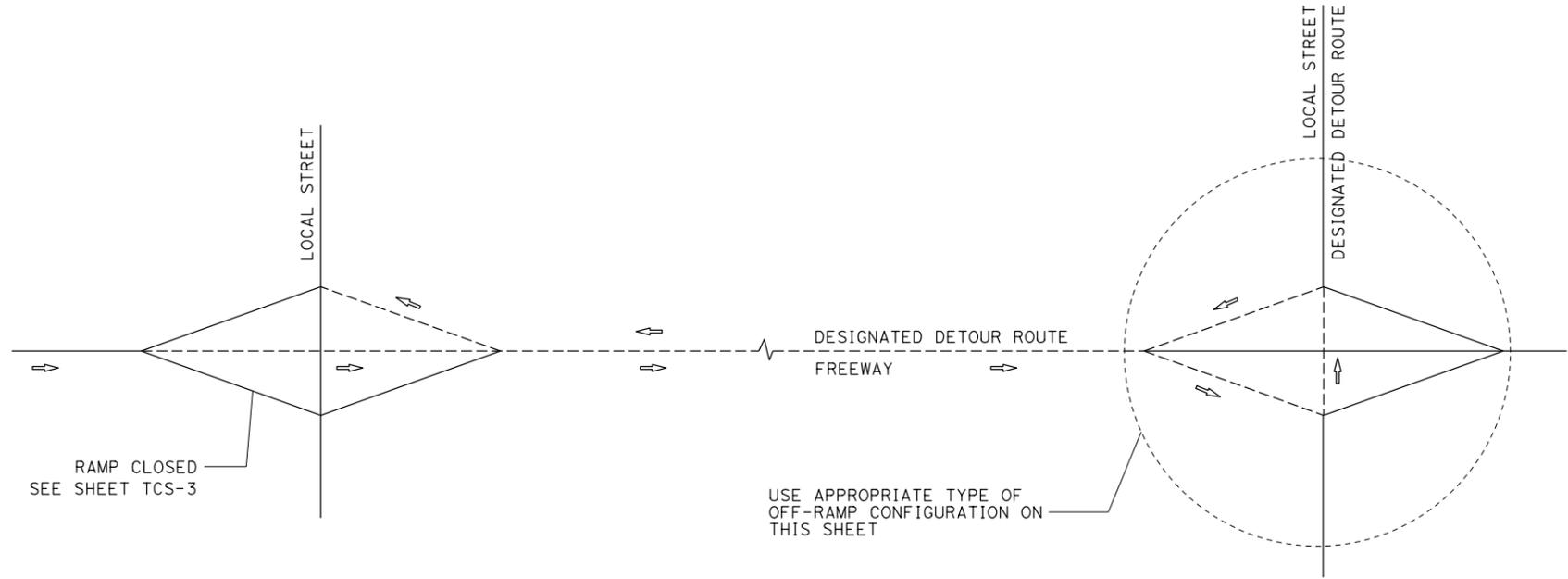
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: 3/12, 3/12, 10/28/13



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	8	69

REGISTERED CIVIL ENGINEER
 DATE: 2-11-13
 10/28/13
 PLANS APPROVAL DATE

MARTIN OREGEL
 No. 56816
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA



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**



REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

NO SCALE

THD-5

LAST REVISION: DATE PLOTTED => 25-FEB-2014 02-19-14 TIME PLOTTED => 12:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE
 CALCULATED-DESIGNED BY
 CHECKED BY
 KARIM SALARI
 KEITH SELLERS
 REVISED BY
 DATE REVISED

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	9	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 No. 5288

10/28/13
 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.

SUMMARY OF QUANTITIES

SHEET NUMBER	REMOVE CHAIN LINK FENCE				REMARKS
	LF	CY	LF	EA	
E-1	12	1.7	29		0.5' Ret CURB
E-2	13	1.7	30		0.5' Ret CURB
E-3	16	1.9	38	1	0.5' Ret CURB
TOTAL	41	5.3	97	1	

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

TEMPORARY DRAIN INLET PROTECTION	TEMPORARY MULCH	TEMPORARY FIBER ROLL	RAIN EVENT ACTION PLAN	STORM WATER SAMPLING AND ANALYSIS DAY	STORM WATER/ ANNUAL REPORT
EA	SQYD	LF	EA	EA	EA
16	556	10,200	20	8	1

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **SUMMARY OF QUANTITIES Q-1**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI KEITH SELLERS
 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 PLOTTED ON THESE PLANS.
3. IRRIGATION LINES SHALL BE 3/4" NOMINAL
4. CNC SHALL TYPICALLY FOLLOW SUPPLY LINE (MAIN) IN DIRECTION OF ARROW, NOT SHOWN CONTINUOUSLY FOR CLARITY.
5. LOCATE RCV MANIFOLDS ADJACENT TO CL GATE WHERE POSSIBLE

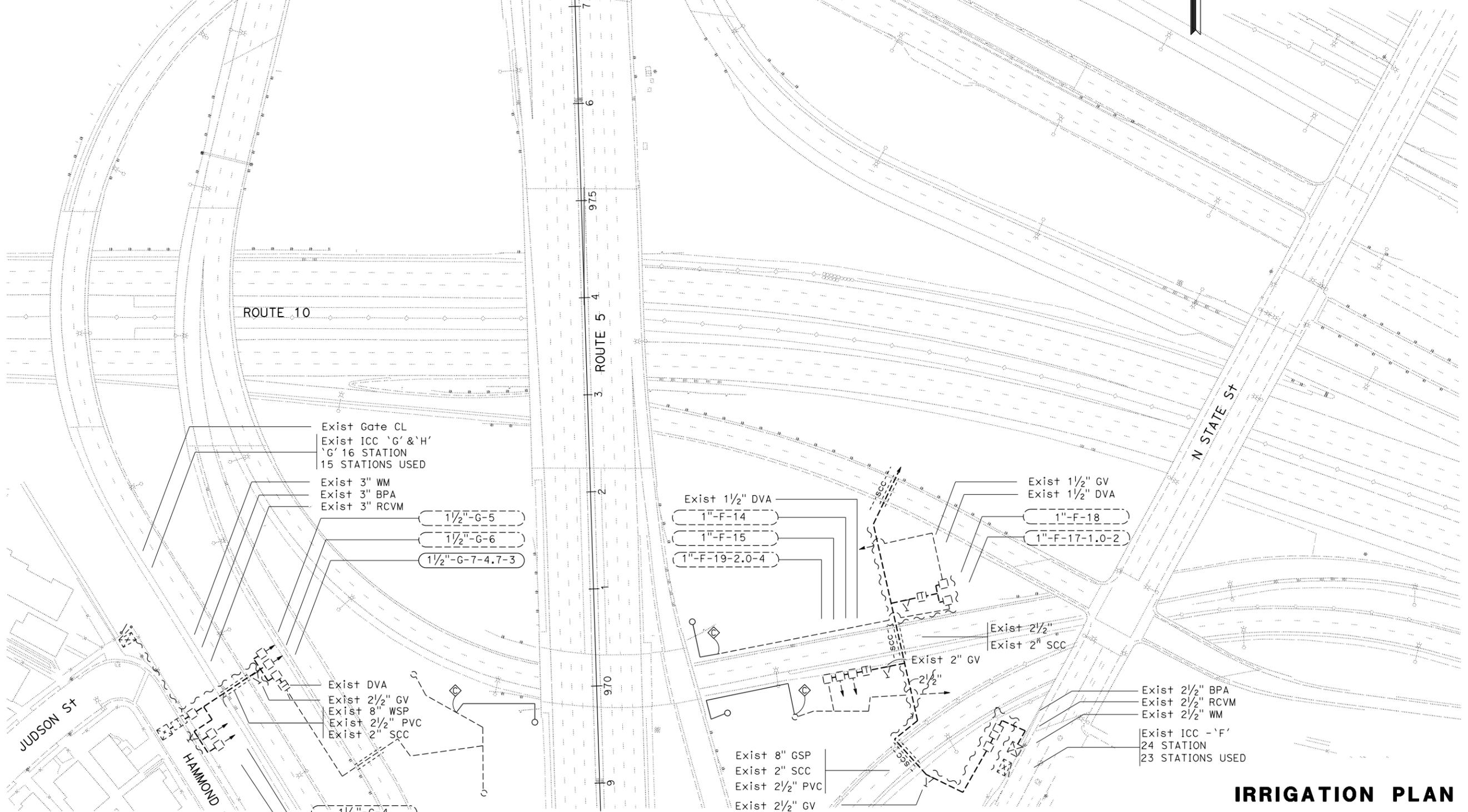
MATCH TO SHEET IP-2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	10	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10-28-13
 PLANS APPROVAL DATE

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REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

IP-1

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

2

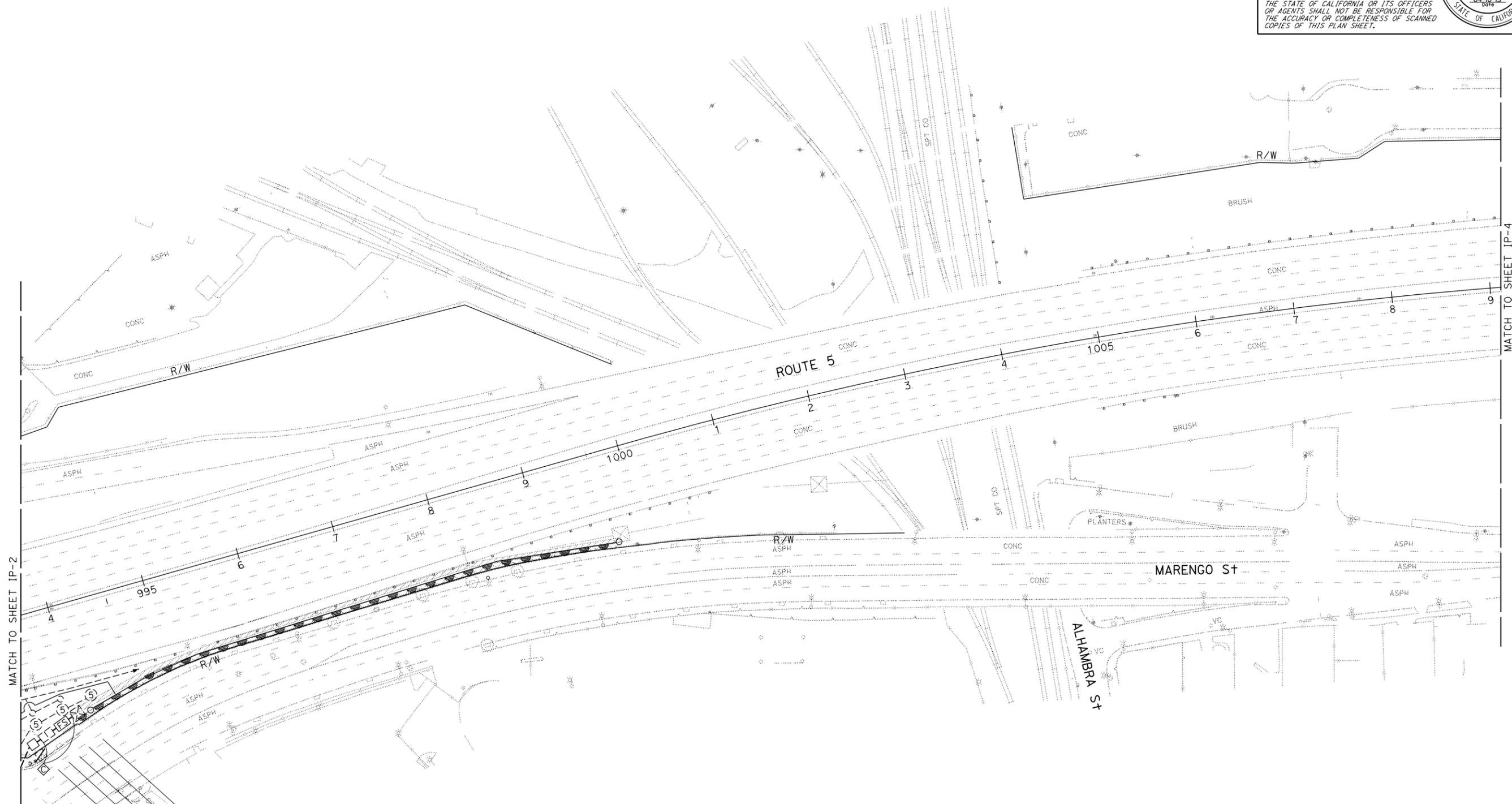


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	12	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI KEITH SELLERS
 REVISED BY: DATE REVISED:



- Exist 3" WM
- 1/2" FS
- Exist 3" BPA
- R & D Exist 3" RCVM
- 3" RCVM

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 IRRIGATION PLAN

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IP-3

NOTES:

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

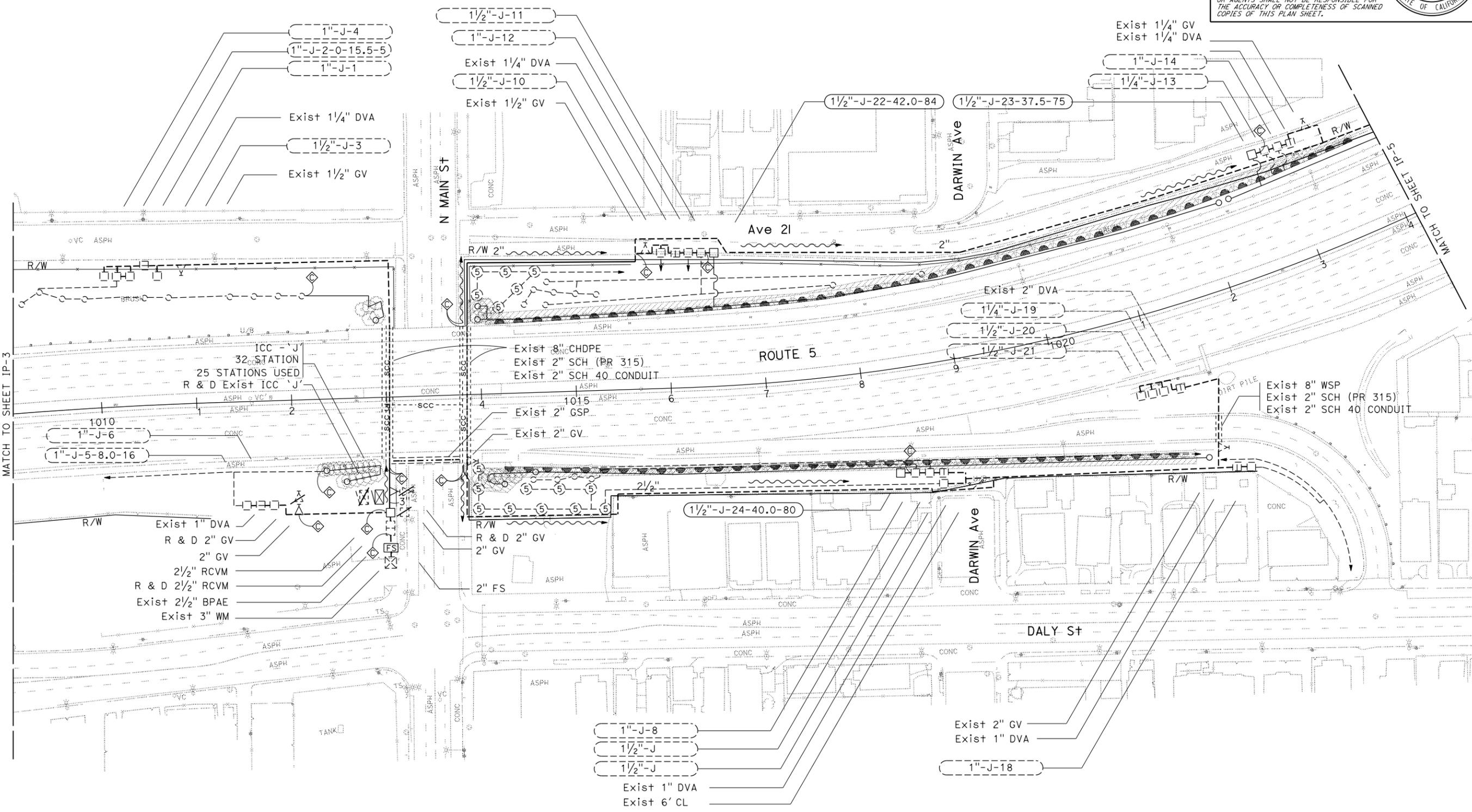
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	13	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI KEITH SELLERS
 REVISED BY: DATE REVISED:



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR IRRIGATION WORK ONLY
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-4

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

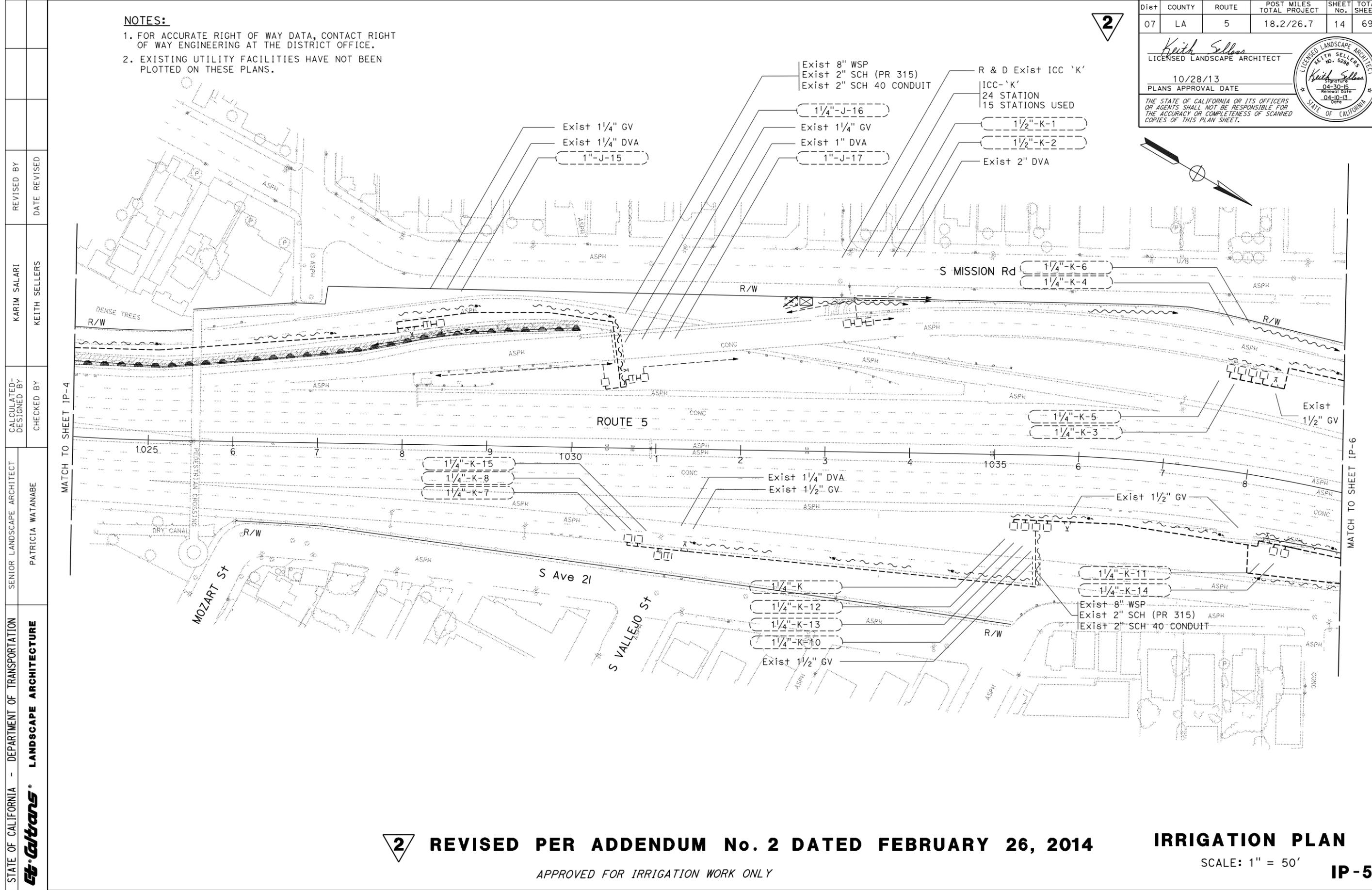
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	14	69

<i>Keith Sellers</i> LICENSED LANDSCAPE ARCHITECT No. 5288	
10/28/13 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.	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: KEITH SELLERS
 CHECKED BY: KEITH SELLERS
 REVISIONS: KARIM SALARI, KEITH SELLERS, REVISOR, DATE, REVISIONS

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

IRRIGATION PLAN

APPROVED FOR IRRIGATION WORK ONLY

SCALE: 1" = 50'

IP-5

LAST REVISION: DATE PLOTTED => 25-FEB-2014 02-19-14 TIME PLOTTED => 12:18

NOTES:

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2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	16	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI KEITH SELLERS
 REVISED BY: DATE REVISED:



2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

IRRIGATION PLAN

SCALE: 1" = 50'

IP-7

APPROVED FOR IRRIGATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: KEITH SELLERS
 DESIGNED BY: KEITH SELLERS
 REVISIONS: KARIM SALARI, KEITH SELLERS, KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED: KEITH SELLERS

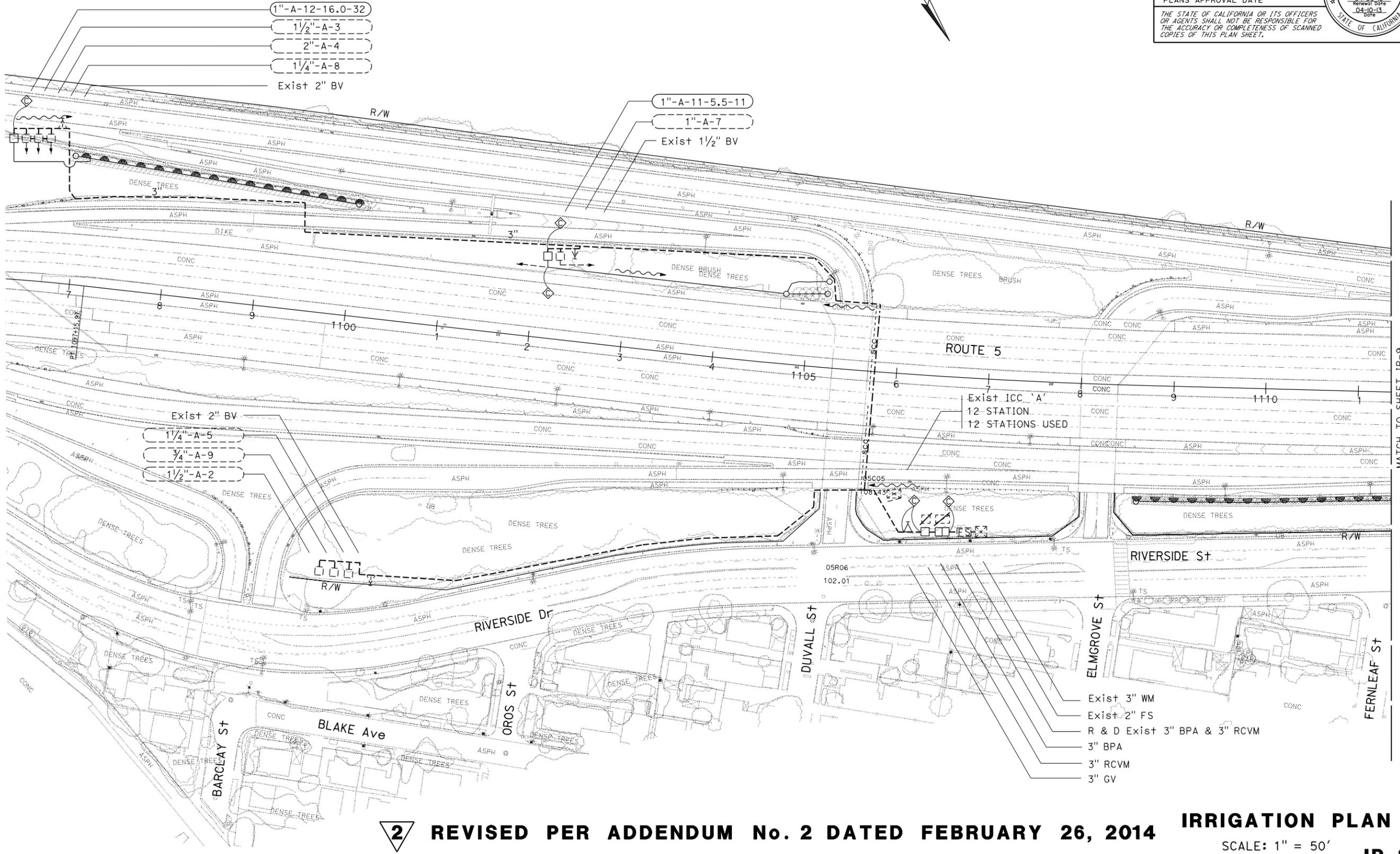
NOTES:

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2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	17	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 No. 5289
 10/28/13
 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.



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-8

APPROVED FOR IRRIGATION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE

CALCULATED-DESIGNED BY
 CHECKED BY

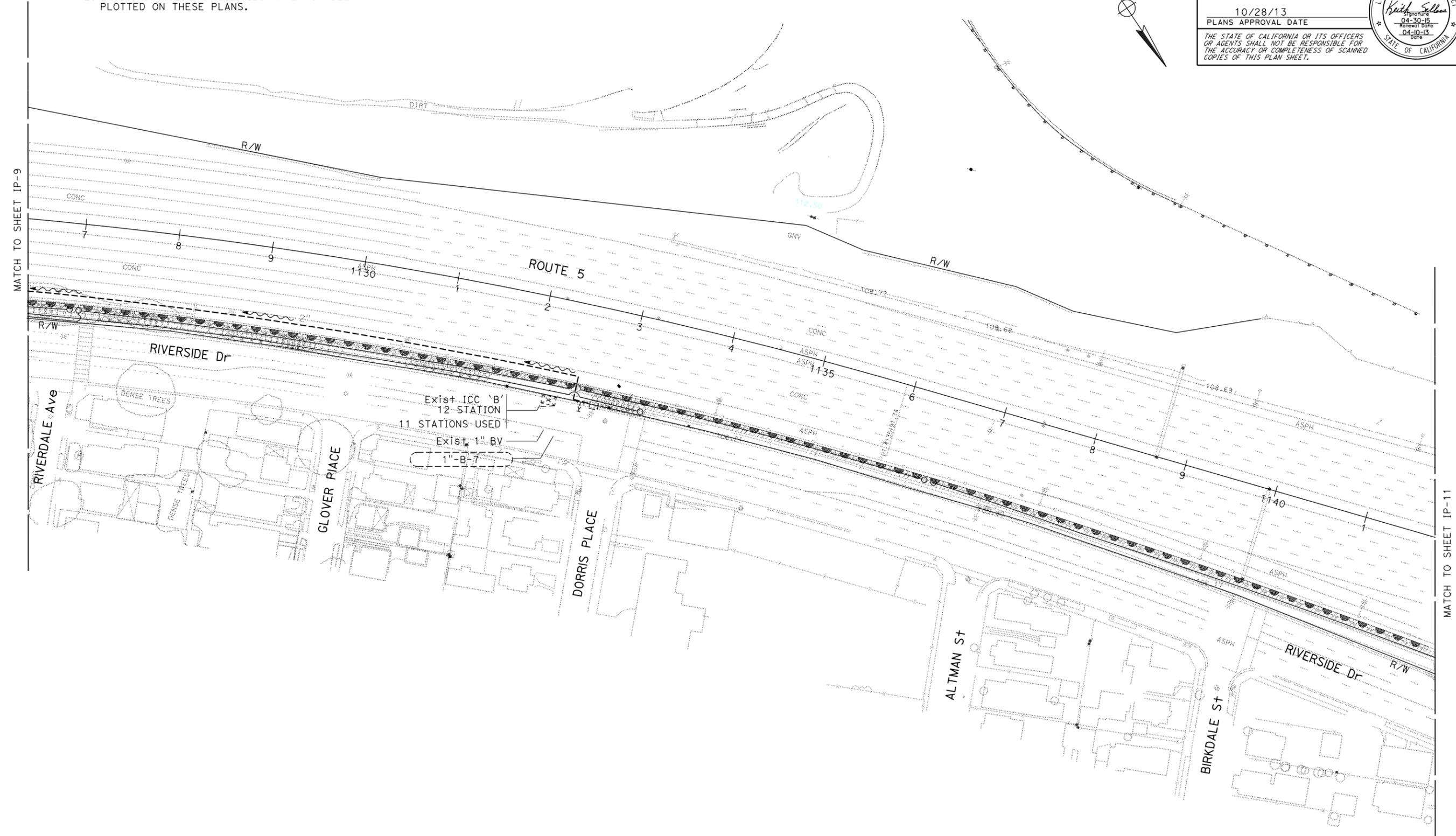
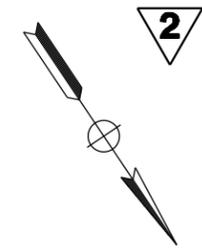
KARIM SALARI
 KEITH SELLERS

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 PLOTTED ON THESE PLANS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	19	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **IRRIGATION PLAN**
 SCALE: 1" = 50' **IP-10**

APPROVED FOR IRRIGATION WORK ONLY

BORDER LAST REVISED 7/2/2010

USERNAME => s112049
 DGN FILE => 0700020871sp010.dgn



UNIT 1851

PROJECT NUMBER & PHASE

07000208711

LAST REVISION: DATE PLOTTED => 25-FEB-2014
 02-19-14 TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED

NOTES:

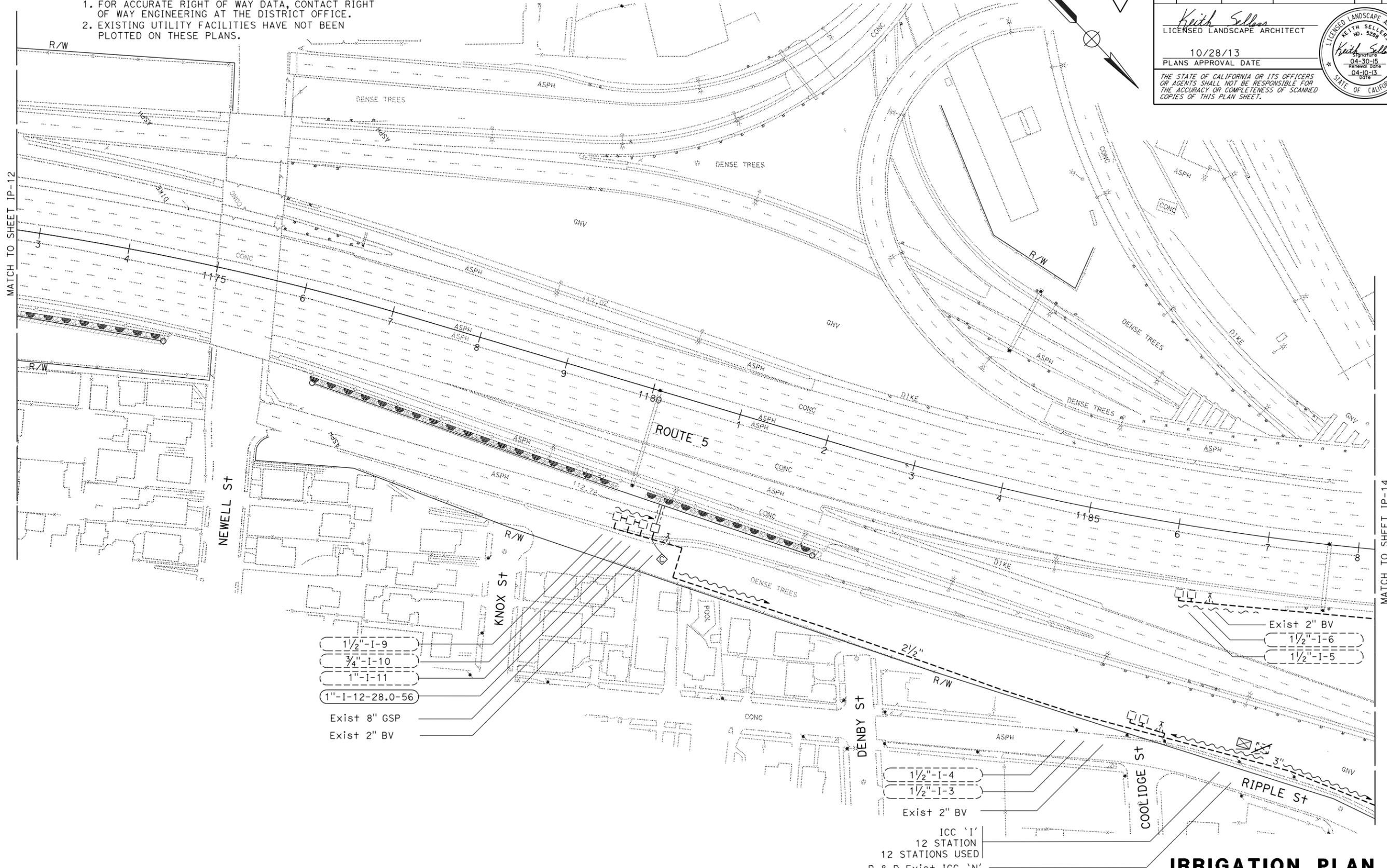
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	22	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.

STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 KEITH SELLERS
 No. 5286
 Expires 04-30-15
 Renewal Date 04-10-13



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR IRRIGATION WORK ONLY
 IRRIGATION PLAN
 SCALE: 1" = 50'
IP-13

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

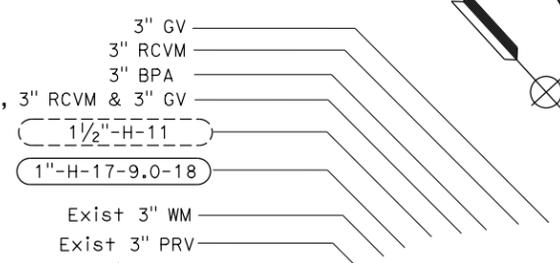
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2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

R & D Exist 3" BPA , 3" RCVM & 3" GV



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	23	69

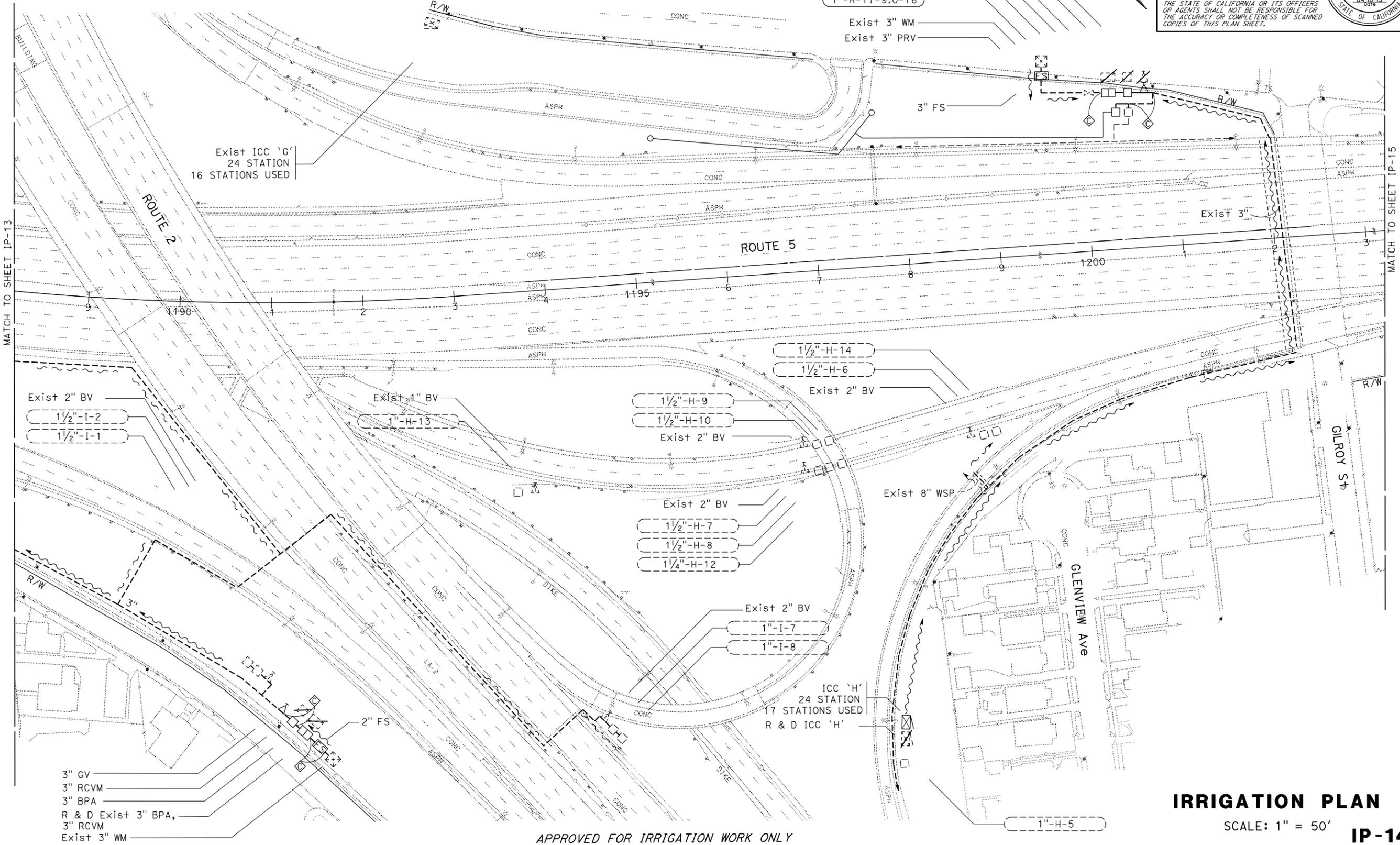
Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
CHECKED BY: KEITH SELLERS
DESIGNED BY: KARIM SALARI
REVISOR: KEITH SELLERS
DATE REVISOR: [blank]



Exist 2" BV
1 1/2" I-2
1 1/2" I-1

Exist 1" BV
1" H-13

1 1/2" H-9
1 1/2" H-10
Exist 2" BV

1 1/2" H-14
1 1/2" H-6

Exist 2" BV
1 1/2" H-7
1 1/2" H-8
1 1/4" H-12

Exist 2" BV
1" I-7
1" I-8

ICC 'H'
24 STATION
17 STATIONS USED
R & D ICC 'H'

3" GV
3" RCVM
3" BPA
R & D Exist 3" BPA,
3" RCVM
Exist 3" WM

Exist ICC 'G'
24 STATION
16 STATIONS USED

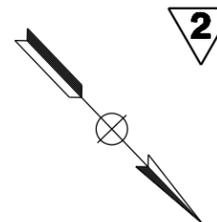
APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1" = 50'
IP-14

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18

NOTES:

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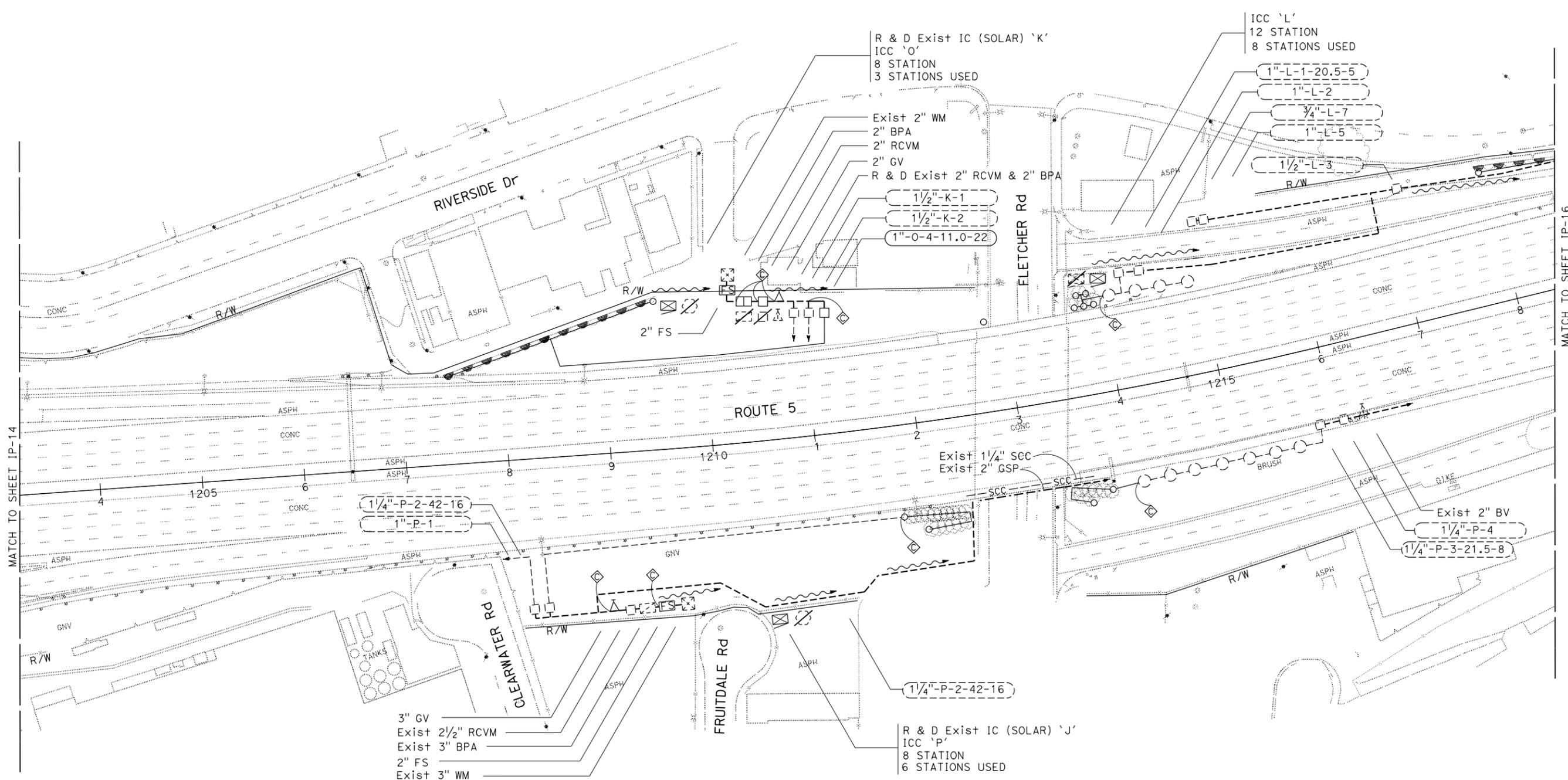
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	24	69

<i>Keith Sellers</i> LICENSED LANDSCAPE ARCHITECT	
10/28/13 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>	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CHECKED BY: KEITH SELLERS
 CALCULATED-DESIGNED BY: KEITH SELLERS
 REVISIONS: KARIM SALARI (REVISED BY), KEITH SELLERS (DATE REVISED)



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-15

LAST REVISION: DATE PLOTTED => 25-FEB-2014
 02-19-14 TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED

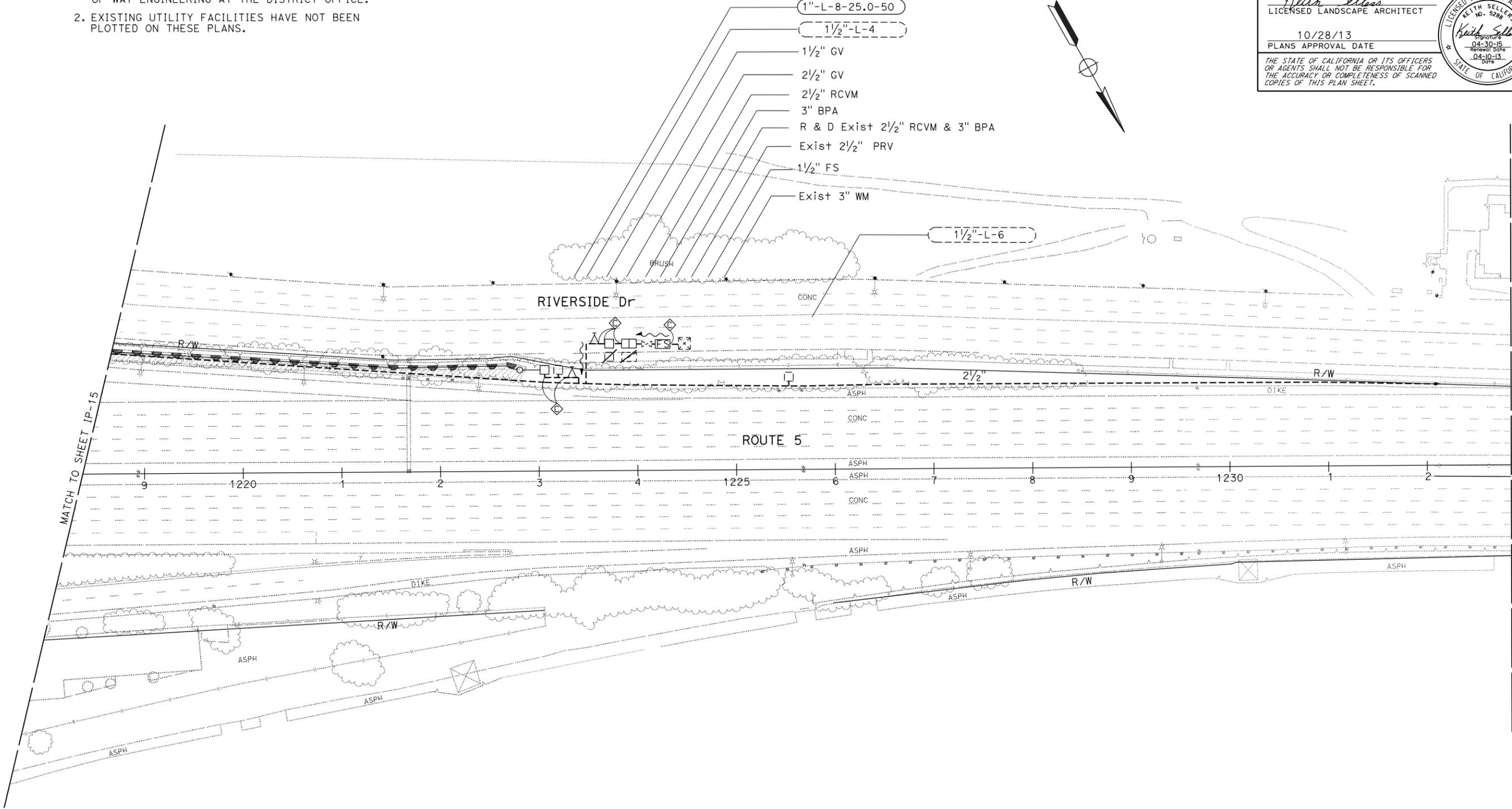
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2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	25	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 IRRIGATION PLAN

SCALE: 1" = 50'

IP-16

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

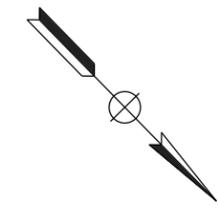
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI KEITH SELLERS
 REVISED BY: DATE REVISED:

NOTES:

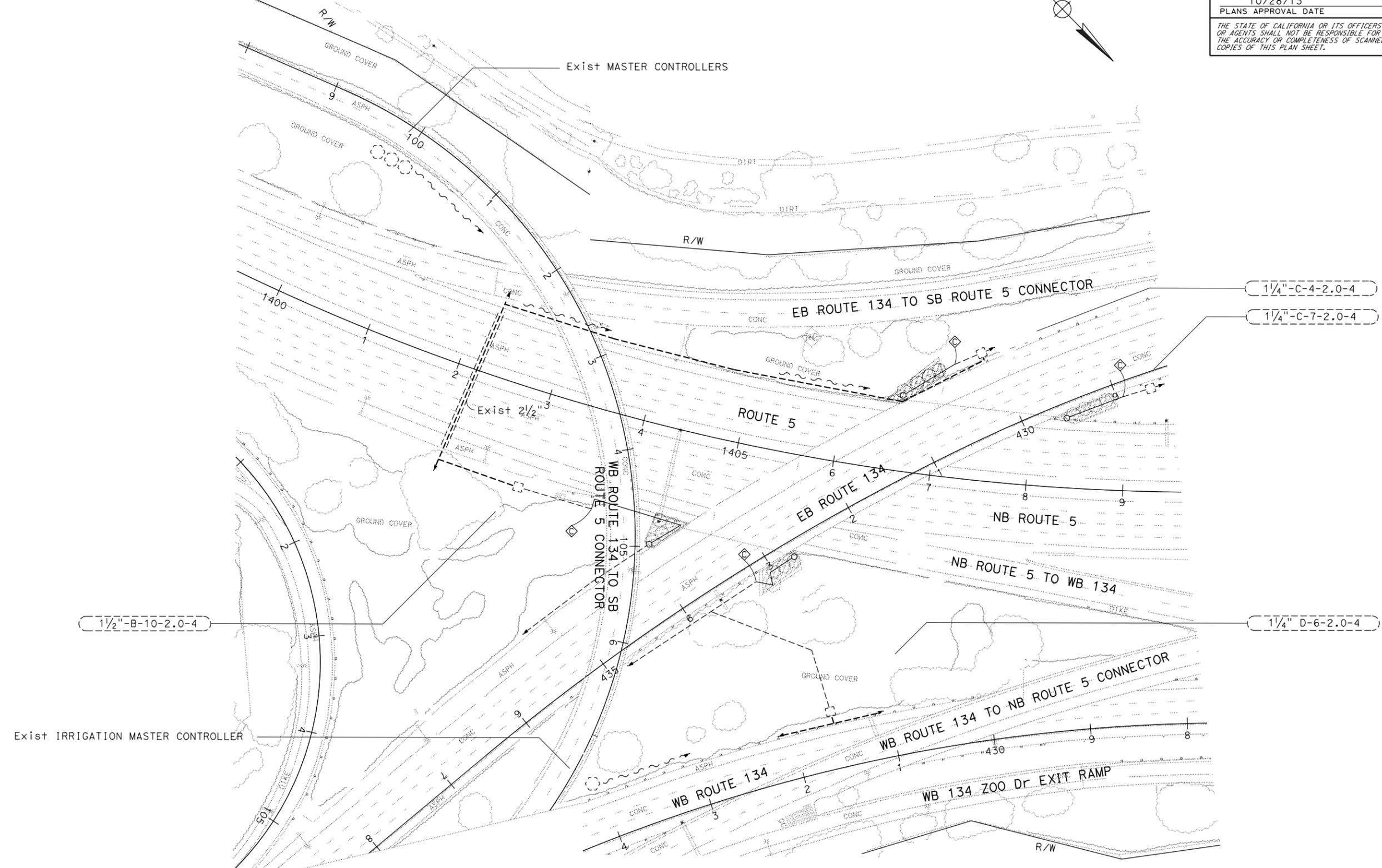
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2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	27	69

Keith Sellars
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR PLANTING WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-18

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT - PATRICIA WATANABE
 CALCULATED-DESIGNED BY - CHECKED BY
 KARIM SALARI - KEITH SELLERS
 REVISED BY - DATE REVISED

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	28	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				SPRINKLER ASSEMBLY							REMARKS		
					DISCHARGE		RADIUS (ft)	WIDTH x LENGTH (ft)	FLOW SHUTOFF DEVICE	RISER		POP-UP		TREE WELL				
					GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)				MATERIAL	SIZE (IPS INCH)	HEIGHT (INCH)	TYPE	INLET CONNECTION (NPT INCH)	SPRINKLER PROTECTOR (TYPE)		HEIGHT (INCH)	
					PLASTIC	GALVANIZED				TYPE	HEIGHT (INCH)	TYPE	HEIGHT (INCH)					
o	C-2 FLOOD BUBBLER	-	50	X	0.50	-	5'	-	-	-	-	-	-	-	-	-	12"	

X IN BOX DENOTES REQUIREMENT

NUMBER OF SPRINKLERS	SIZE OF PIPE
1-16	3/4"
17-24	1"
25-44	1 1/4"
45-60	1 1/2"
61-100	2"

APPLICABLE WHEN CIRCLED BELOW:

- 1 - SEE SPECIAL PROVISIONS.
- 2 - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADIUS SHOWN REFLECT ITS USE.
- 3 - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
- 4 - UNLESS OTHERWISE SHOWN.
- 5 - SEE STANDARD PLANS.

2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

IRRIGATION SPRINKLER SCHEDULE

ISS-1

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	SHEET NUMBER																		SUBTOTALS	
		IP1	IP2	IP3	IP4	IP5	IP6	IP7	IP8	IP9	IP10	IP11	IP12	IP13	IP14	IP15	IP16	IP17	IP18		
BPA	2"	EA	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	2	
	3"	EA	-	-	-	-	-	-	1	1	-	1	1	-	2	-	1	1	-	8	
ENCLOSURE	EA	-	-	-	-	-	1	-	1	1	-	1	1	-	2	1	1	1	-	10	
IRRIGATION CONTROLLER	8 STATION	EA	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	4	
	12 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	3	
	24 STATION	EA	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	3	
	32 STATION	EA	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
CEC	SINGLE	EA	-	1	-	1	1	-	-	-	-	2	1	1	3	-	1	-	-	11	
VALVES AND ASSEMBLIES	1"	EA	-	2	-	-	-	1	2	-	-	2	-	1	1	1	1	1	-	12	
	1 1/2"	EA	-	-	-	3	-	1	-	-	4	-	2	2	-	-	-	-	-	12	
	2"	EA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	
	2 1/2"	EA	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	3	
	3"	EA	-	-	1	-	-	1	-	1	1	-	1	1	-	2	-	1	-	9	
	1 1/2"	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
	2"	EA	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	3	
	2 1/2"	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
	3"	EA	-	-	-	-	-	1	-	1	1	-	1	1	-	2	1	-	1	-	9
	1"	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
1 1/2"	EA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2	
CONDUIT	40 CHDPE																				
	SCHEDULE 40	2 INCH	LF	-	50	130	190	-	-	-	-	320	320	-	-	30	-	-	-	-	1040
		2 1/2 INCH	LF	-	30	30	-	30	-	30	-	30	30	30	-	30	30	30	30	-	360
		3 INCH	LF	-	30	30	30	-	30	-	30	-	30	30	-	30	-	-	-	-	270
PLASTIC PIPE SUPPLY LINE	CL 315																				
	GSP																				
FS FLOW SENSOR	1 1/2"	EA	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	4	
	2"	EA	-	-	-	1	-	-	-	-	-	-	-	1	2	-	-	-	-	4	
	3"	EA	-	-	-	-	-	1	-	-	-	-	2	-	1	-	-	-	-	4	
SPRINKLER TYPE	C-2	EA																		1495	

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION
2	EA	2"
8	EA	3"
10	EA	ENCLOSURE
4	EA	8 STATION
3	EA	12 STATION
3	EA	24 STATION
1	EA	32 STATION
11	EA	SINGLE
12	EA	1"
12	EA	1 1/2"
1	EA	2"
3	EA	2 1/2"
9	EA	3"
1	EA	1 1/2"
3	EA	2"
1	EA	2 1/2"
9	EA	3"
1	EA	1"
2	EA	1 1/2"
6127	LF	3/4 INCH
3240	LF	1 INCH
3830	LF	1 1/4 INCH
1805	LF	1 1/2 INCH
1040	LF	2 INCH
360	LF	2 1/2 INCH
270	LF	3 INCH
4	EA	1 1/2"
4	EA	2"
4	EA	3"
1495	EA	C-2

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R18.2/R26.7	30	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 No. 5286
 Signature: Keith Sellers
 04-30-15
 Renewal Date: 04-10-15
 State of California

10/28/13
 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.

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

NOTE: TOTALS FOR SCHEDULE 40 SUPPLY LINES INCLUDE LATERAL, MAIN, AND IRRIGATION CONDUIT.

IRRIGATION QUANTITIES
IQ-2

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	31	69

Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
PLANS APPROVAL DATE

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PLANTING LEGEND

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	SOIL AMENDMENT ①		IRON SULFATE ①	COMMERCIAL FERTILIZER ①		BASIN MULCH		STAKING	PLANTING LIMITS						REMARKS	
							Dia	DEPTH		TYPE	RATE		RATE	PLANTING	PLT ESTB	TYPE		CY	MINIMUM DISTANCE (ft) FROM				ON CENTER (ft)		
																			ETW	Pvmt	FENCE	WALL			PAVED DITCH
A	1		<u>D</u> ISTICTIS <u>B</u> UCCINATORIA	BLOOD-RED TRUMPET VINE	No. 1	860	③	③	III	---	---	---	2 Pkt	4 oz	WC	.037	④	---	---	---	---	---	---	10	VINE, 2 PLANTS PER PLANTING HOLE
	2		<u>P</u> ARTHENOCISSUS <u>T</u> RICUSPIDATA	BOSTON IVY	No. 1	1272	③	③	III	---	---	---	2 Pkt	4 oz	WC	.037	④	---	---	---	---	---	---	10	VINE, 2 PLANTS PER PLANTING HOLE
	3		<u>C</u> LAYSTEGIA <u>M</u> ACROSTEGIA	CA MORNING GLORY	No. 1	206	③	③	III	---	---	---	2 Pkt	4 oz	WC	.037	④	---	---	---	---	---	---	10	NATIVE VINE, 2 PLANTS PER PLANTING HOLE
B	4		<u>C</u> ALLISTEMON <u>C</u> ITRINUS	LEMON BOTTLEBRUSH	No. 5	20	③	③	I	---	---	---	4 Pkt	8 oz	WC	.074	---	---	15	15	15	15	17	12	SHRUB
	5		<u>M</u> YRICA <u>C</u> ALIFORNIA	PACIFIC WAX MYRTLE	No. 5	27	③	③	I	---	---	---	4 Pkt	8 oz	WC	.074	---	---	15	12	12	12	15	10	NATIVE SHRUB
	6		<u>P</u> ITOSPORUM <u>T</u> OBIRA	TOBIRA	No. 5	56	③	③	I	---	---	---	4 Pkt	8 oz	WC	.074	---	---	15	10	6	6	8	6	SHRUB
U	7		<u>D</u> ODONAEA <u>V</u> ISCOA 'PURPUREA'	PURPLELEAF HOPSEED BUSH	No. 15	120	③	③	I	---	---	---	8 Pkt	16 oz	WC	.148	---	---	15	10	6	6	8	6	SHRUB

NOTE:

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

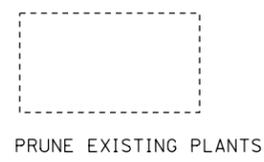
ABBREVIATIONS:

- S - SPHAGNUM PEAT MOSS
- N - NITROLIZED FIR BARK
- V - VERMICULITE
- P - PERLITE
- TB - TREE BARK
- WC - WOOD CHIP
- SB - SHREDDED BARK
- TT - TREE TRIMMING

APPLICABLE WHEN CIRCLED:

- ① - QUANTITIES SHOWN ARE "PER PLANTING HOLE" 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 - DEPARTMENT-FURNISHED

LEGEND:



MULCH (4" DEEP) 382 CY

WOOD MULCH

TYPE	LOCATION		QUANTITY (CY)
	BASIN	SPREAD	
TREE BARK (N)			
WOOD CHIP (N)	113	382	495
SHREDDED BARK (N)			
TREE TRIMMING (N)			
TOTAL			495

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

2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

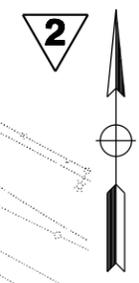
**PLANT LEGEND
PL-1**

DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobtrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED

MATCH TO SHEET PP-2

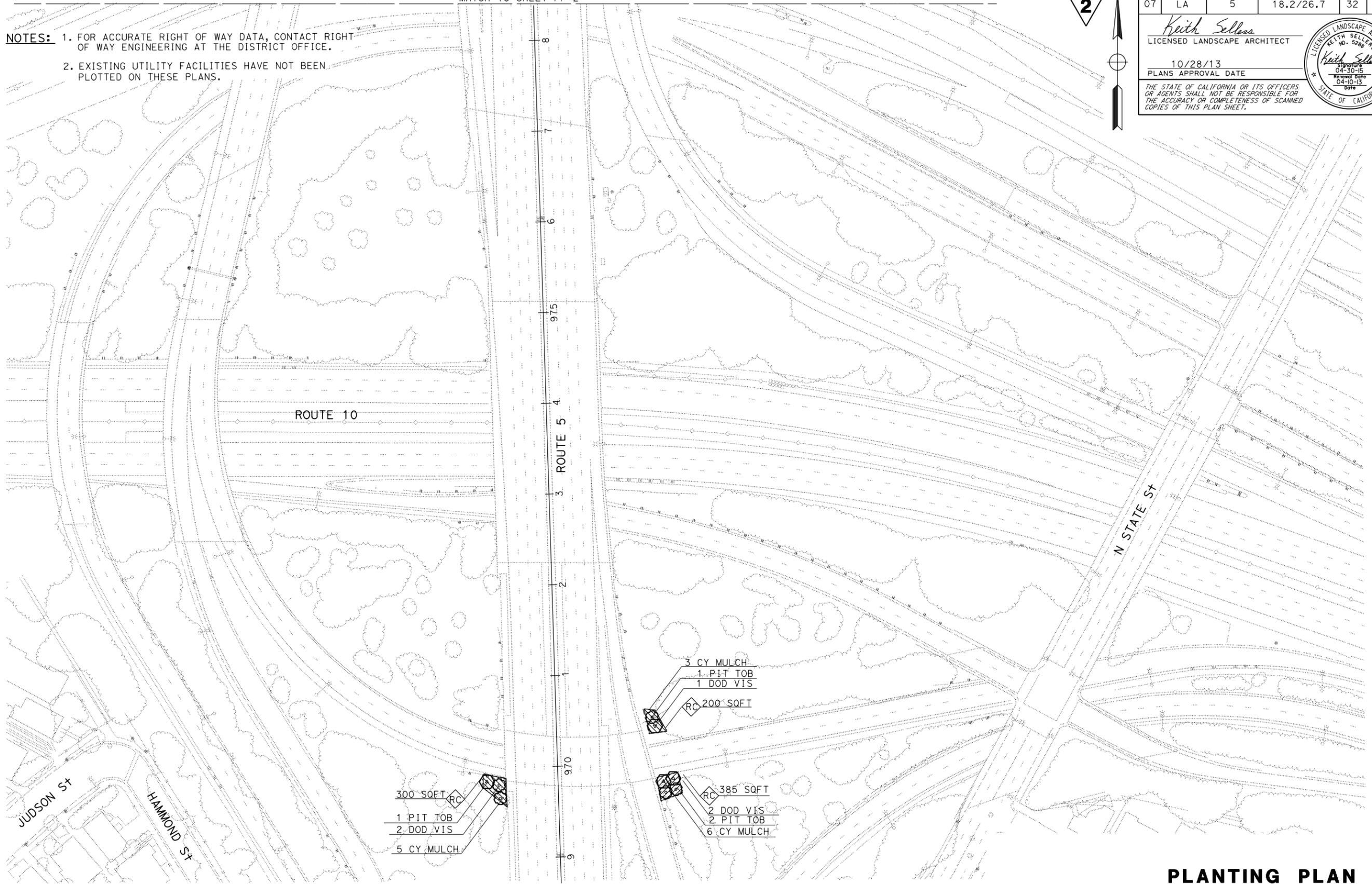
NOTES: 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	32	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
 APPROVED FOR PLANTING WORK ONLY

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

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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**2 REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	33	69

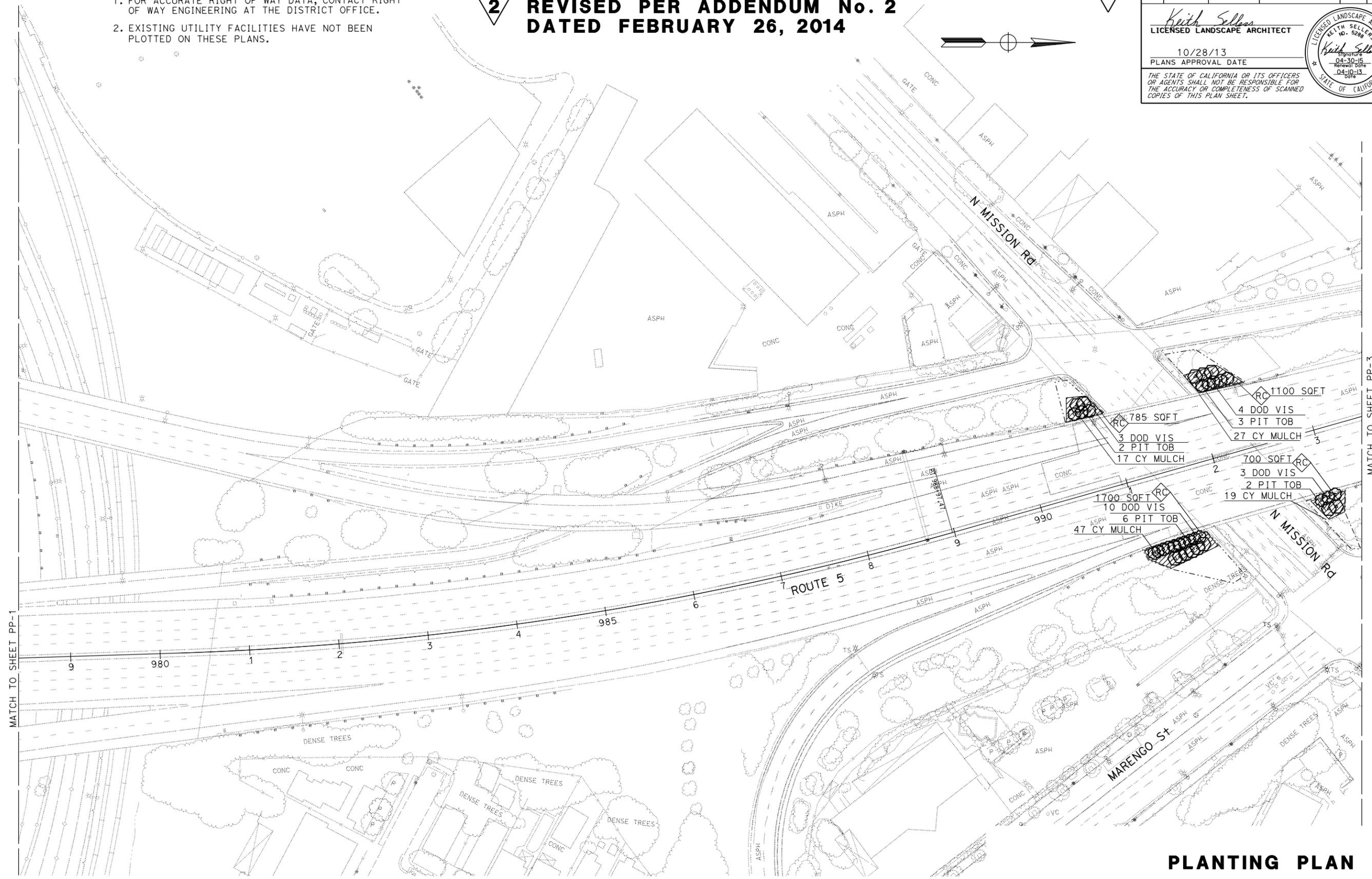
Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
DESIGNED BY: PATRICIA WATANABE
CHECKED BY: PATRICIA WATANABE
REVISOR: KARIM SALARI
DATE REVISION: KEITH SELLERS



PLANTING PLAN
SCALE: 1" = 50'
PP-2

APPROVED FOR PLANTING WORK ONLY

LAST REVISION: DATE PLOTTED => 25-FEB-2014 | 02-19-14 | TIME PLOTTED => 12:18

NOTES:

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2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	34	69

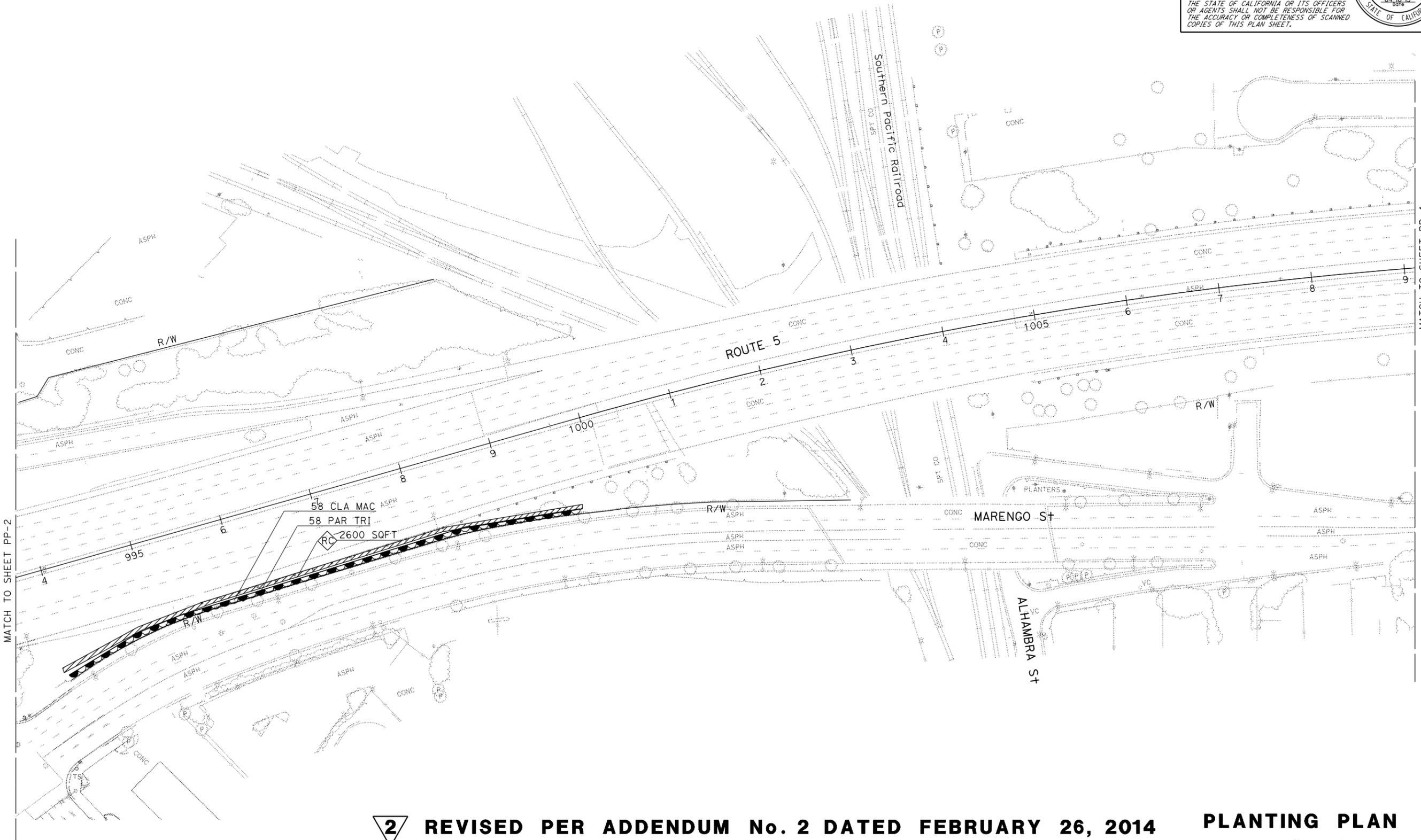
Keith Sellers
 LICENSED LANDSCAPE ARCHITECT

10/28/13
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED/DESIGNED BY: PATRICIA WATANABE
 CHECKED BY: KEITH SELLERS
 REVISIONS: REVISOR: KARIM SALARI, DATE: KEITH SELLERS, DATE: KEITH SELLERS



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50' **PP-3**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

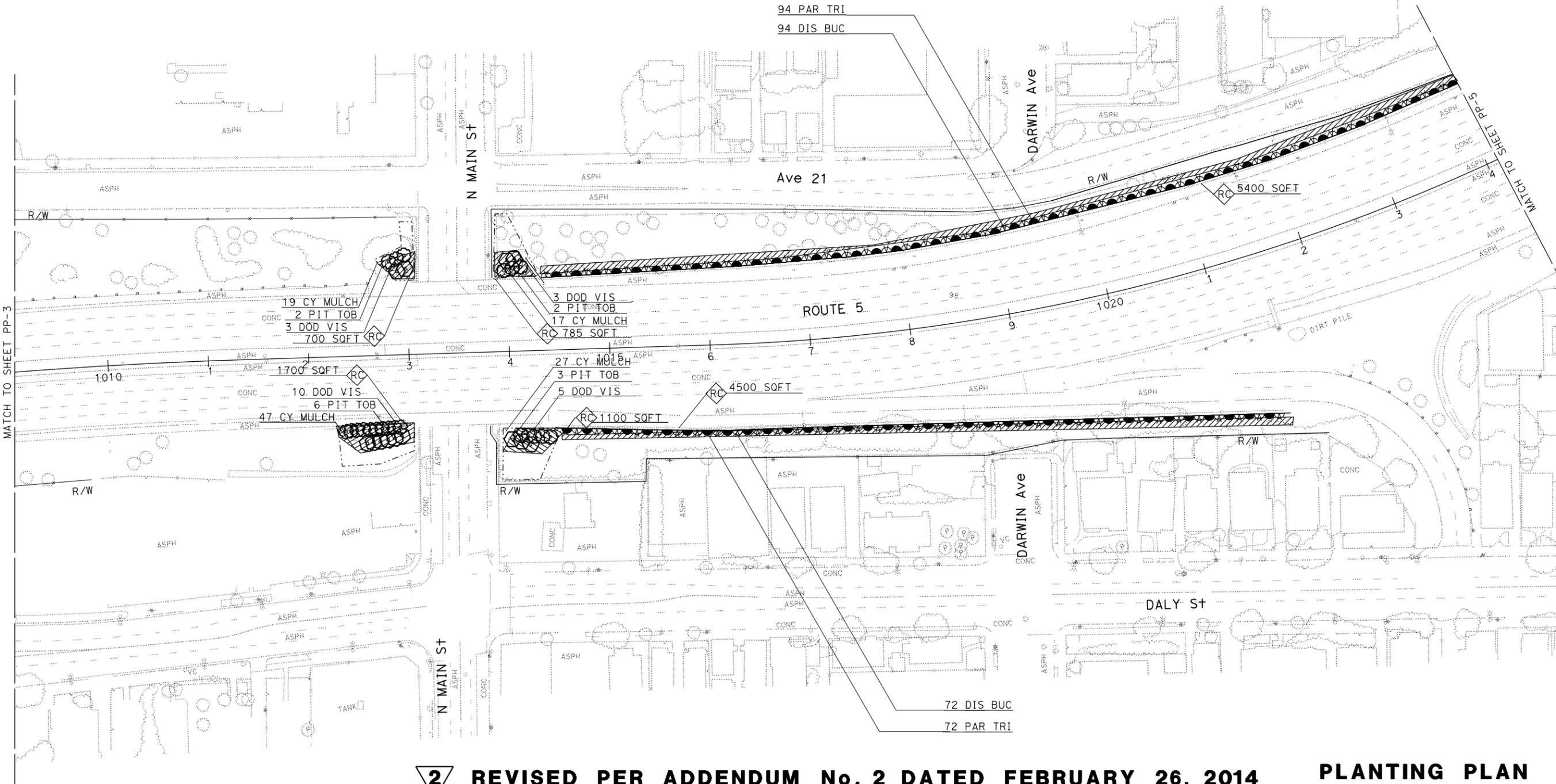
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	35	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE



2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

PLANTING PLAN

SCALE: 1" = 50'

PP-4

APPROVED FOR PLANTING WORK ONLY

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



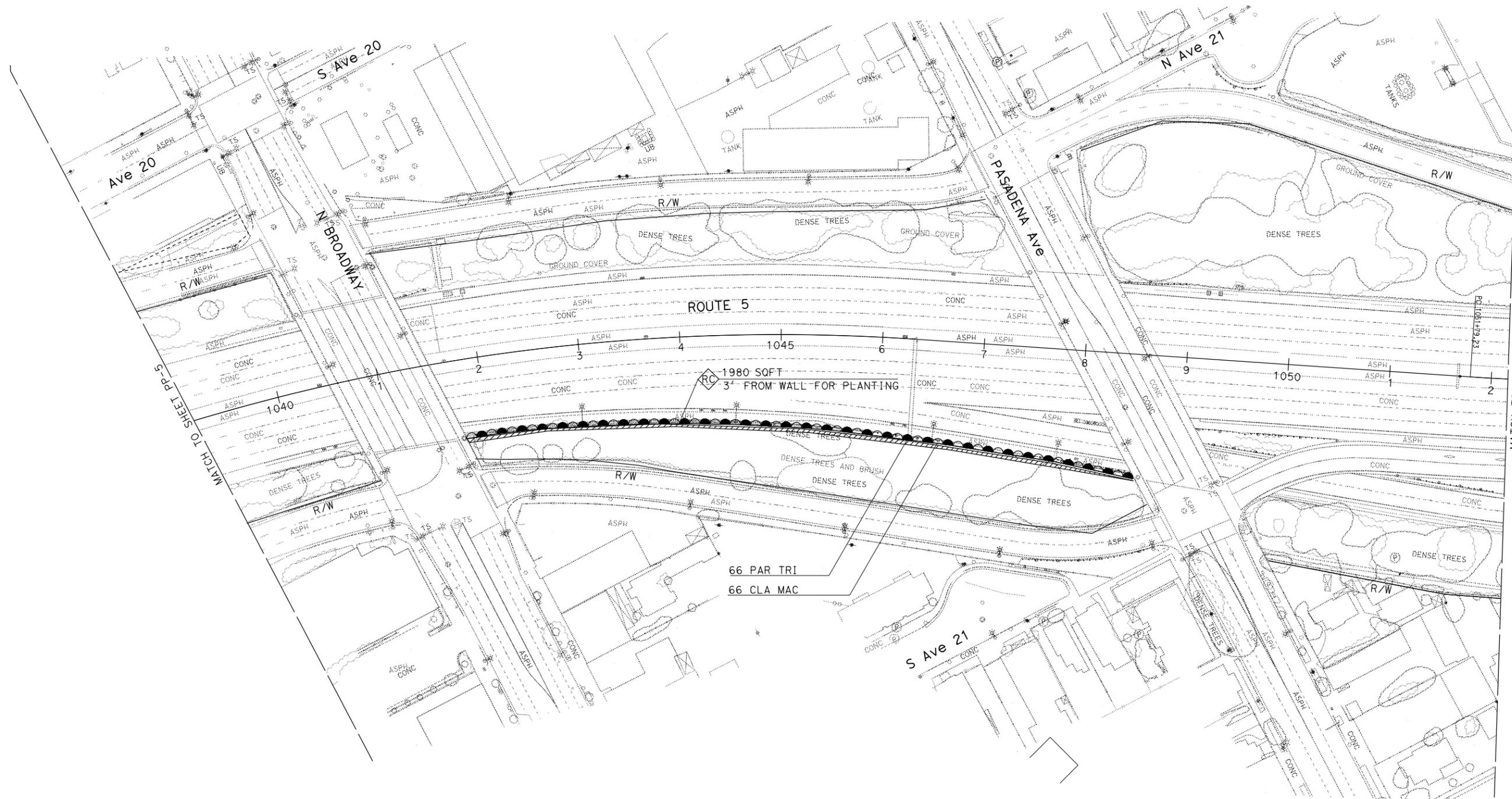
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	37	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50' **PP-6**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

NOTES:

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2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	38	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARAM SALARI KEITH SELLERS
 REVISED BY: DATE REVISED:



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50' **PP-7**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:18
 02-19-14

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

2

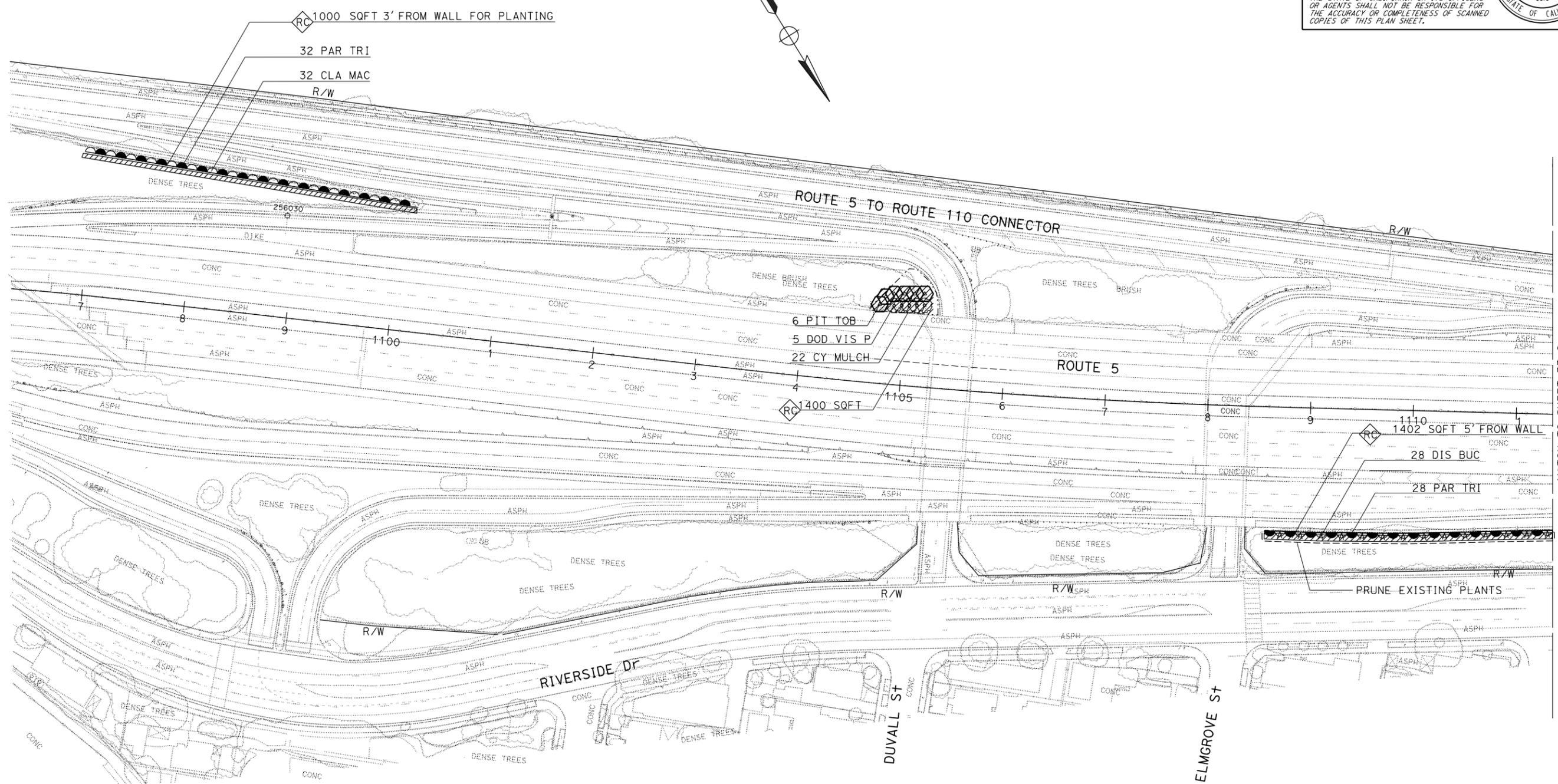
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	39	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.

LICENSED LANDSCAPE ARCHITECT
 KEITH SELLERS
 No. 5288
 State of California
 Keith Sellers
 04-30-15
 Renewal Date
 04-10-13
 State of California

REVISOR: KEITH SELLERS
 DESIGNER: PATRICIA WATANABE
 CHECKED BY: KEITH SELLERS
 CALCULATED/DESIGNED BY: KEITH SELLERS
 SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 DEPARTMENT OF TRANSPORTATION: LANDSCAPE ARCHITECTURE
 STATE OF CALIFORNIA - CALTRANS



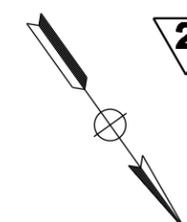
MATCH TO SHEET PP-9

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY
 SCALE: 1" = 50' **PP-8**

LAST REVISION: DATE PLOTTED => 25-FEB-2014
 02-19-14 TIME PLOTTED => 12:18

NOTES:

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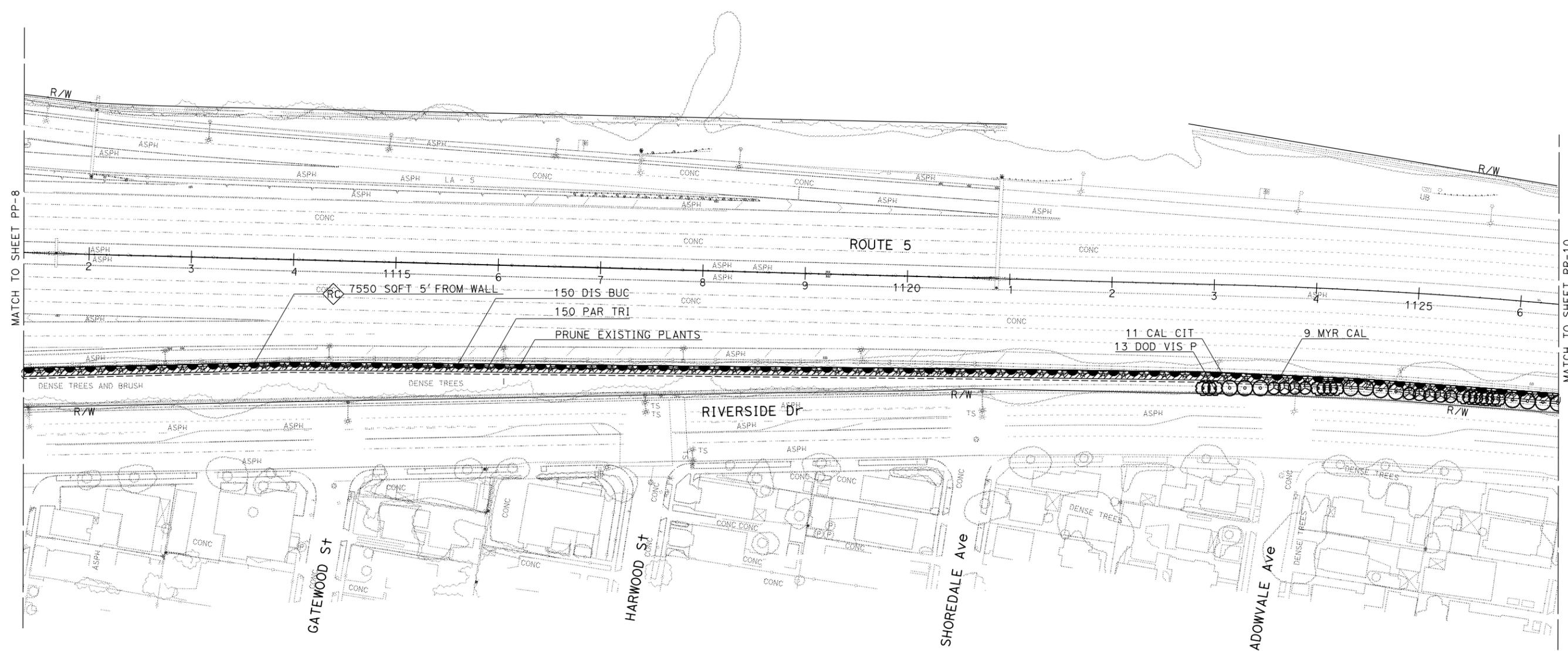
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	40	69

<i>Keith Sellers</i>	
LICENSED LANDSCAPE ARCHITECT	
10/28/13	
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARAM SALARI: KEITH SELLERS
 REVISED BY: DATE REVISED:



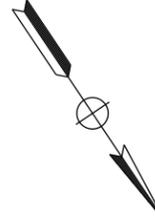
2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50' **PP-9**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:19
 02-19-14

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

2



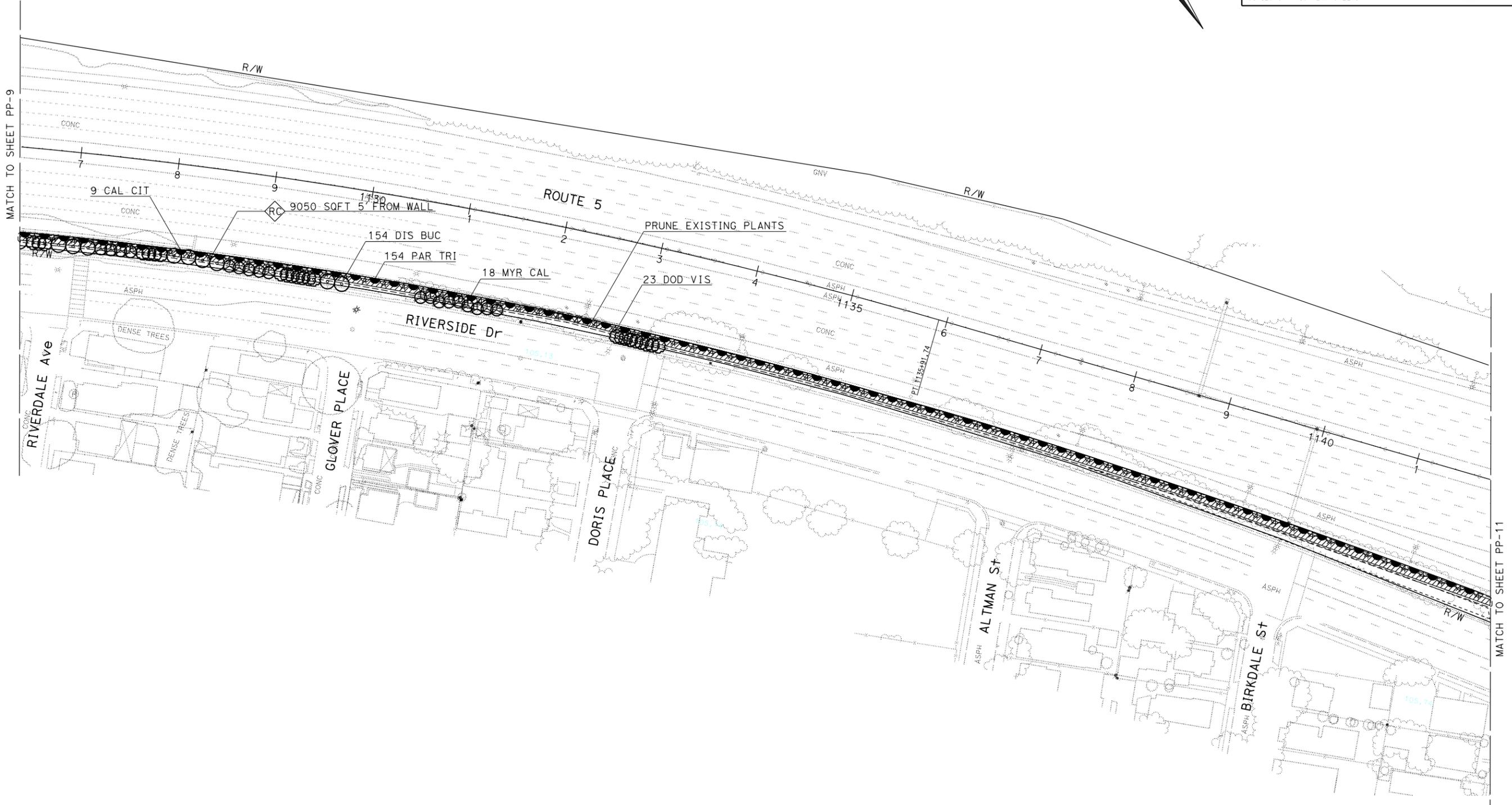
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	41	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: PATRICIA WATANABE
 CHECKED BY: PATRICIA WATANABE
 KARAM SALARI
 KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED: 10/28/13



2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

APPROVED FOR PLANTING WORK ONLY

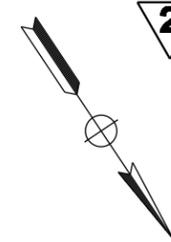
PLANTING PLAN

SCALE: 1" = 50'

PP-10

NOTES:

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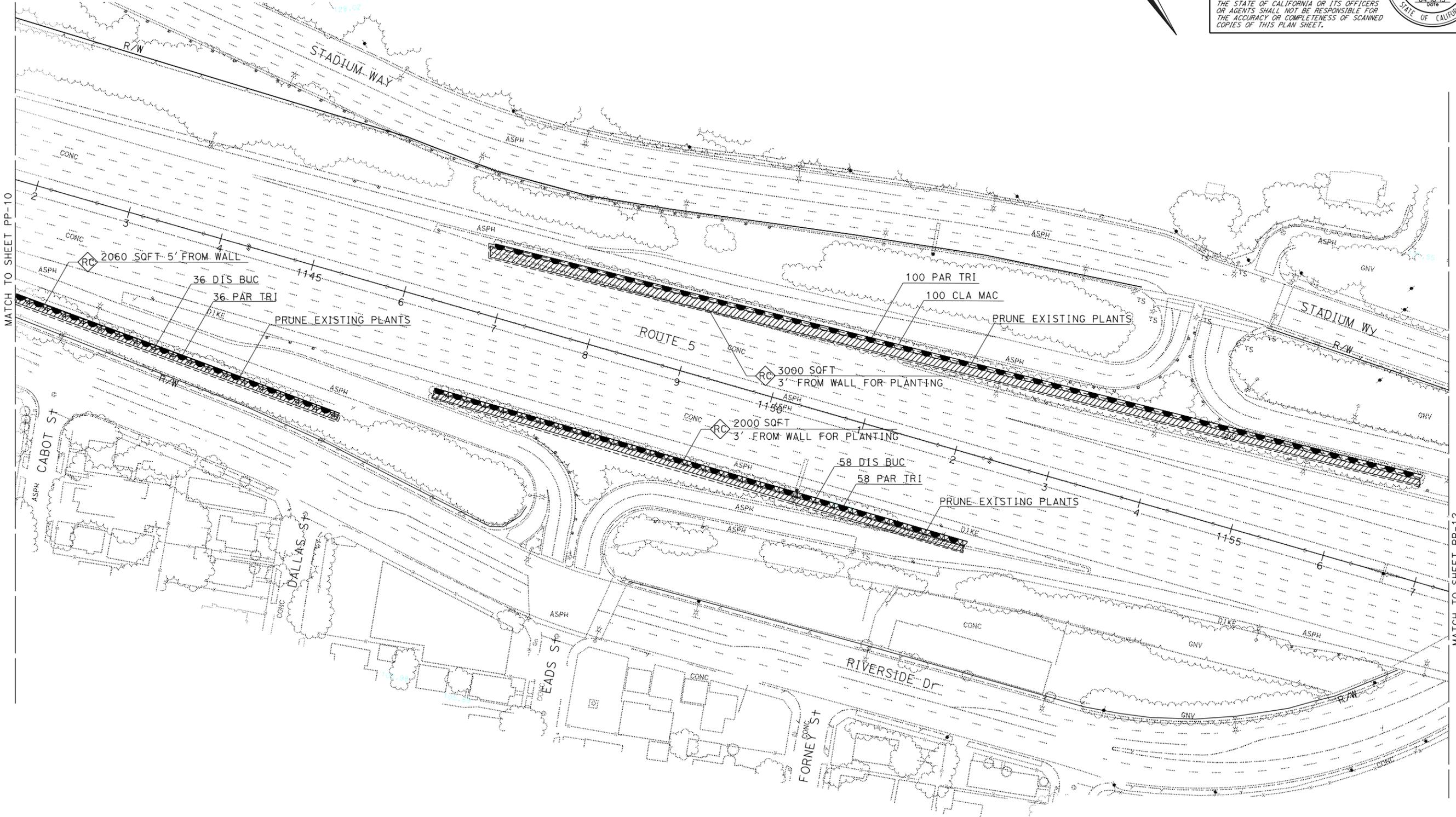


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	42	69

<i>Keith Sellers</i> LICENSED LANDSCAPE ARCHITECT	
10/28/13 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>	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: PATRICIA WATANABE
 CHECKED BY: KEITH SELLERS
 KARIM SALARI
 KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED: 10/28/13



2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 SCALE: 1" = 50'
PP-11

APPROVED FOR PLANTING WORK ONLY

LAST REVISION: DATE PLOTTED => 25-FEB-2014 02-19-14 TIME PLOTTED => 12:19

NOTES:

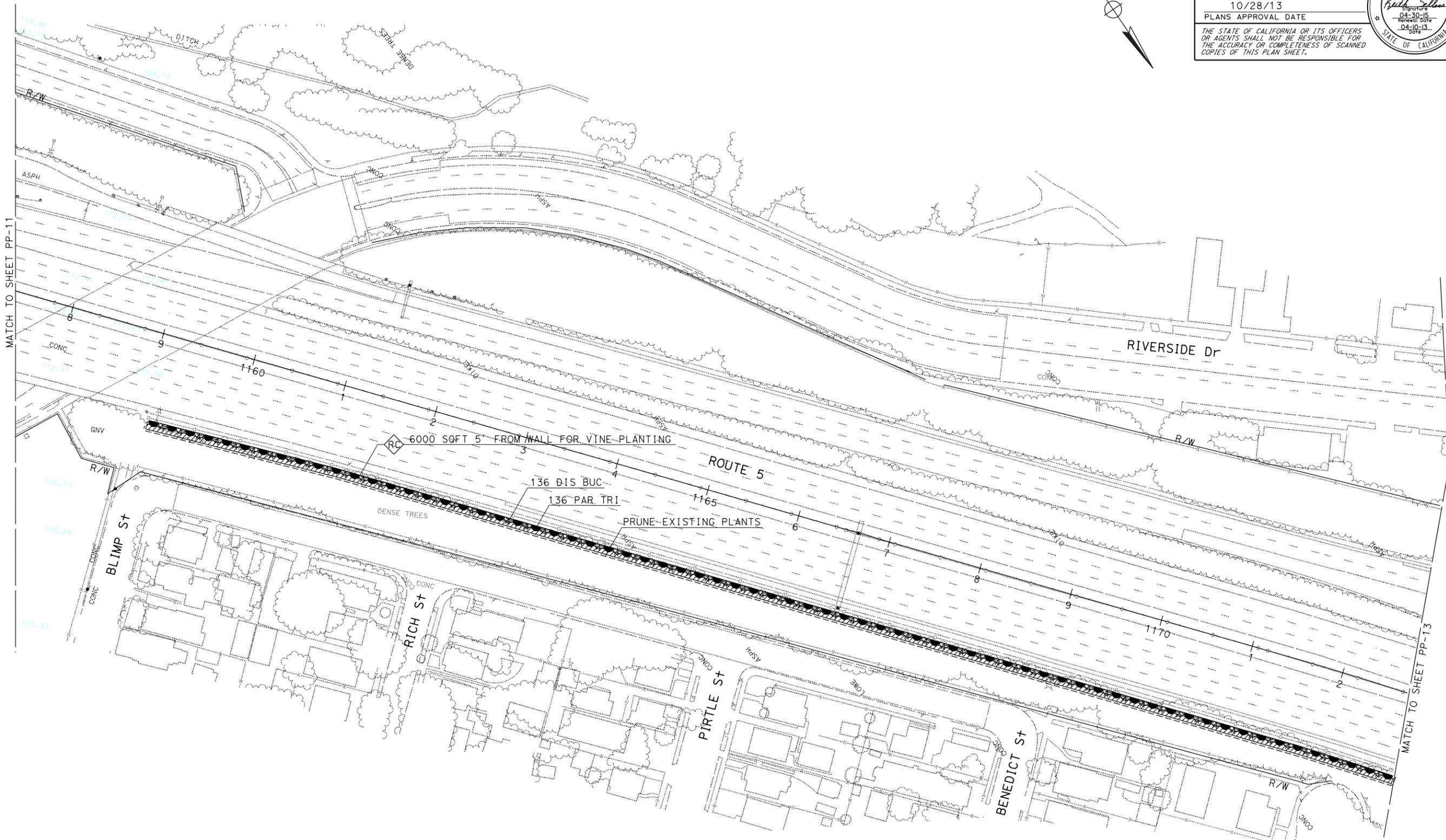
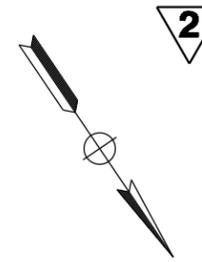
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	43	69

Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
PLANS APPROVAL DATE

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2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
APPROVED FOR PLANTING WORK ONLY
SCALE: 1" = 50' **PP-12**

NOTES:

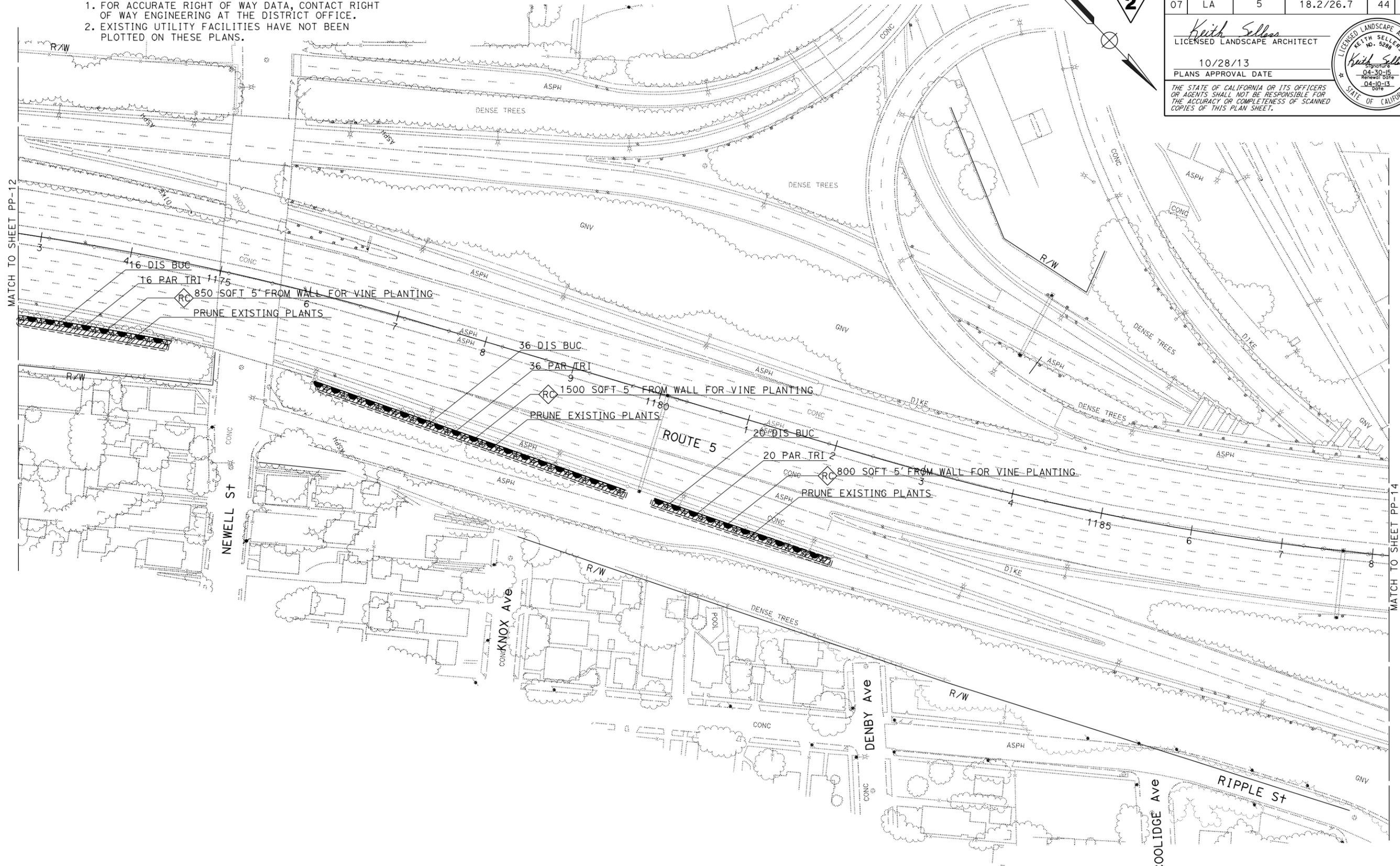
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	44	69

Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
PLANS APPROVAL DATE

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2 **REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014** **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY
 SCALE: 1" = 50' **PP-13**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:19
 02-19-14

NOTES:

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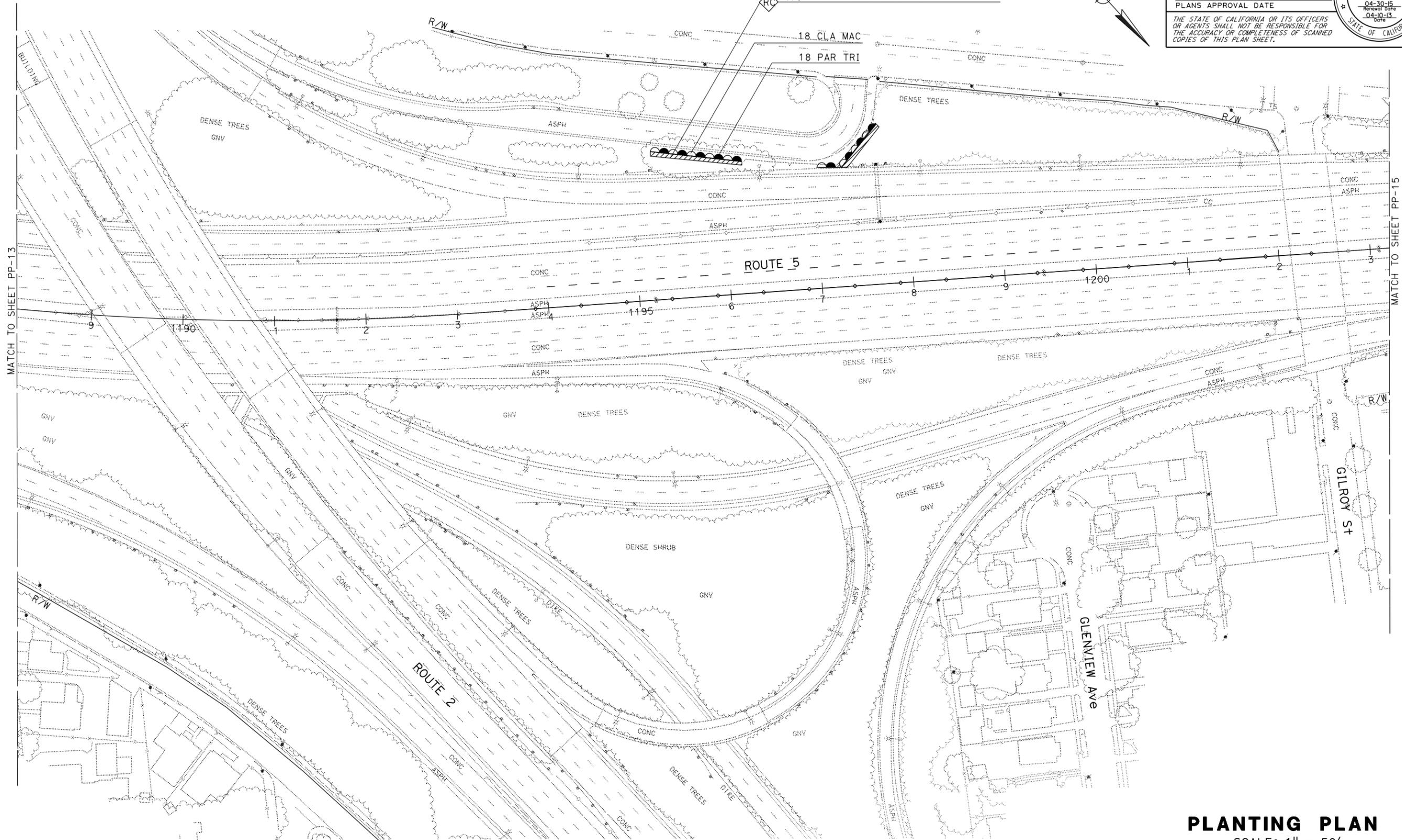
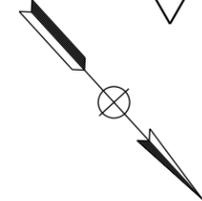
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**REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	45	69

<i>Keith Sellers</i>	
LICENSED LANDSCAPE ARCHITECT	
10/28/13	
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>	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

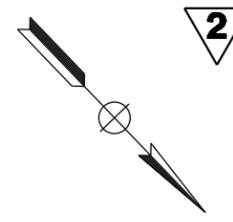
SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
CHECKED BY: KEITH SELLERS
DESIGNED BY: KEITH SELLERS
REVISOR: KARIM SALARI
DATE REVISOR: [blank]

PLANTING PLAN
SCALE: 1" = 50'
PP-14

APPROVED FOR PLANTING WORK ONLY

NOTES:

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2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	46	69

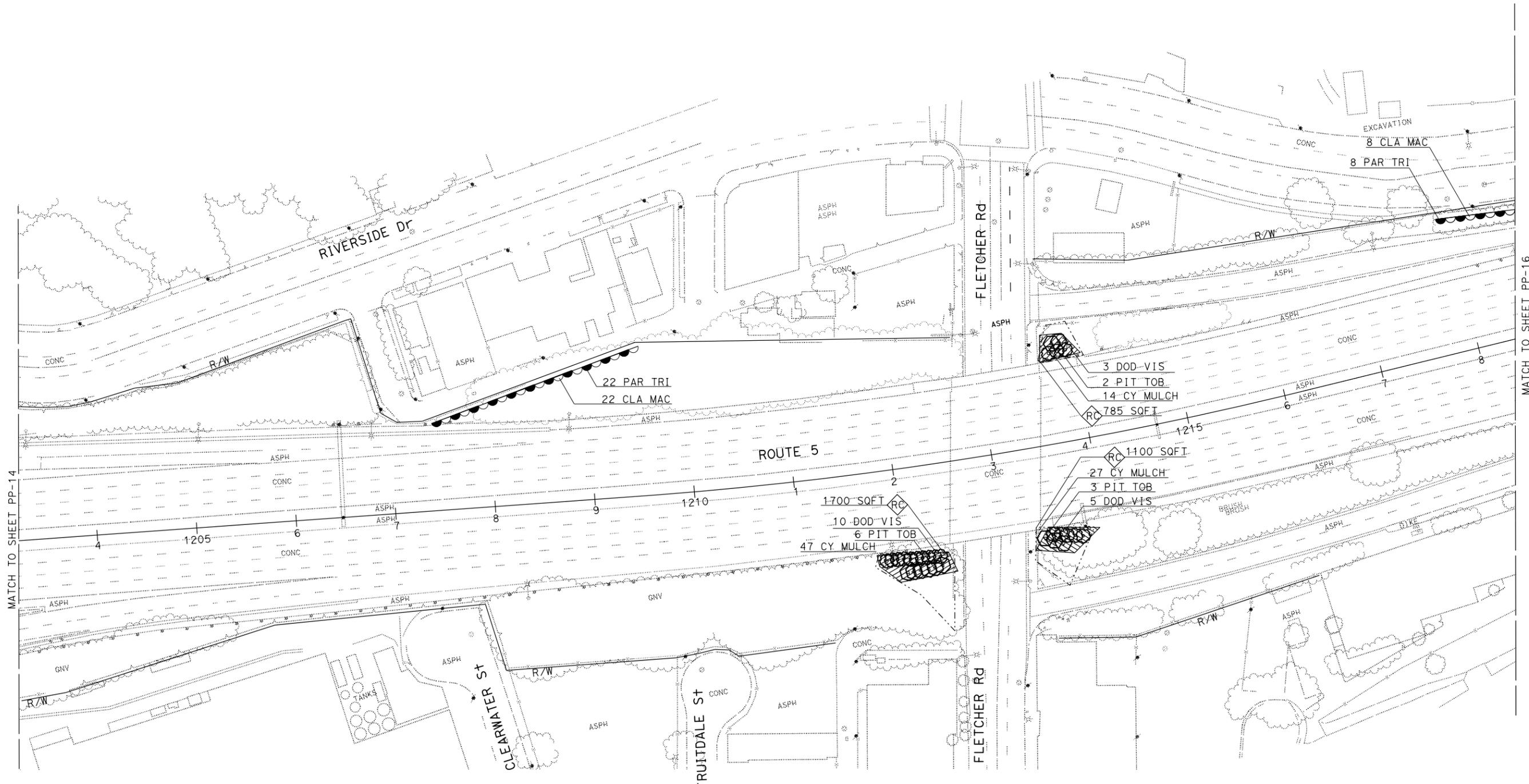
<i>Keith Sellers</i>	
LICENSED LANDSCAPE ARCHITECT	
10/28/13	
PLANS APPROVAL DATE	

LICENSED LANDSCAPE ARCHITECT KEITH SELLERS No. 5286 State of California 04-30-15 Renewal Date 04-10-13 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 LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: PATRICIA WATANABE
 CHECKED BY: KEITH SELLERS
 REVISIONS: KARIM SALARI, KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED: [Blank]

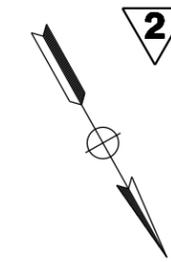


2 **REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014** **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY
 SCALE: 1" = 50'
PP-15

LAST REVISION: DATE PLOTTED => 25-FEB-2014 TIME PLOTTED => 12:19
 02-19-14

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

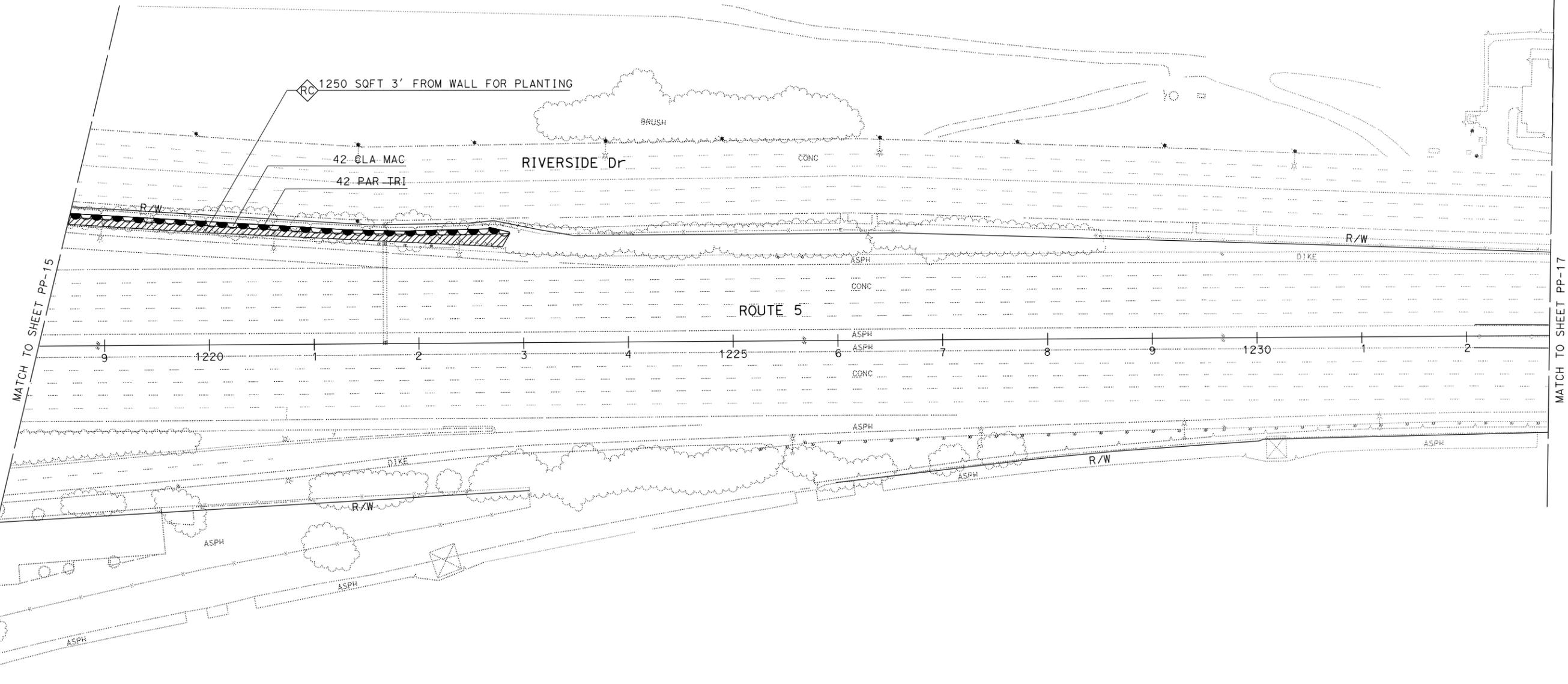


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	47	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: PATRICIA WATANABE
 CHECKED BY: PATRICIA WATANABE
 KARAM SALARI
 KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED: 10/28/13

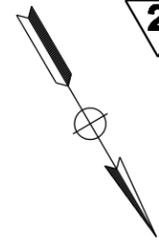


2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 **PLANTING PLAN**
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50' **PP-16**

LAST REVISION: DATE PLOTTED => 25-FEB-2014 02-19-14 TIME PLOTTED => 12:19

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

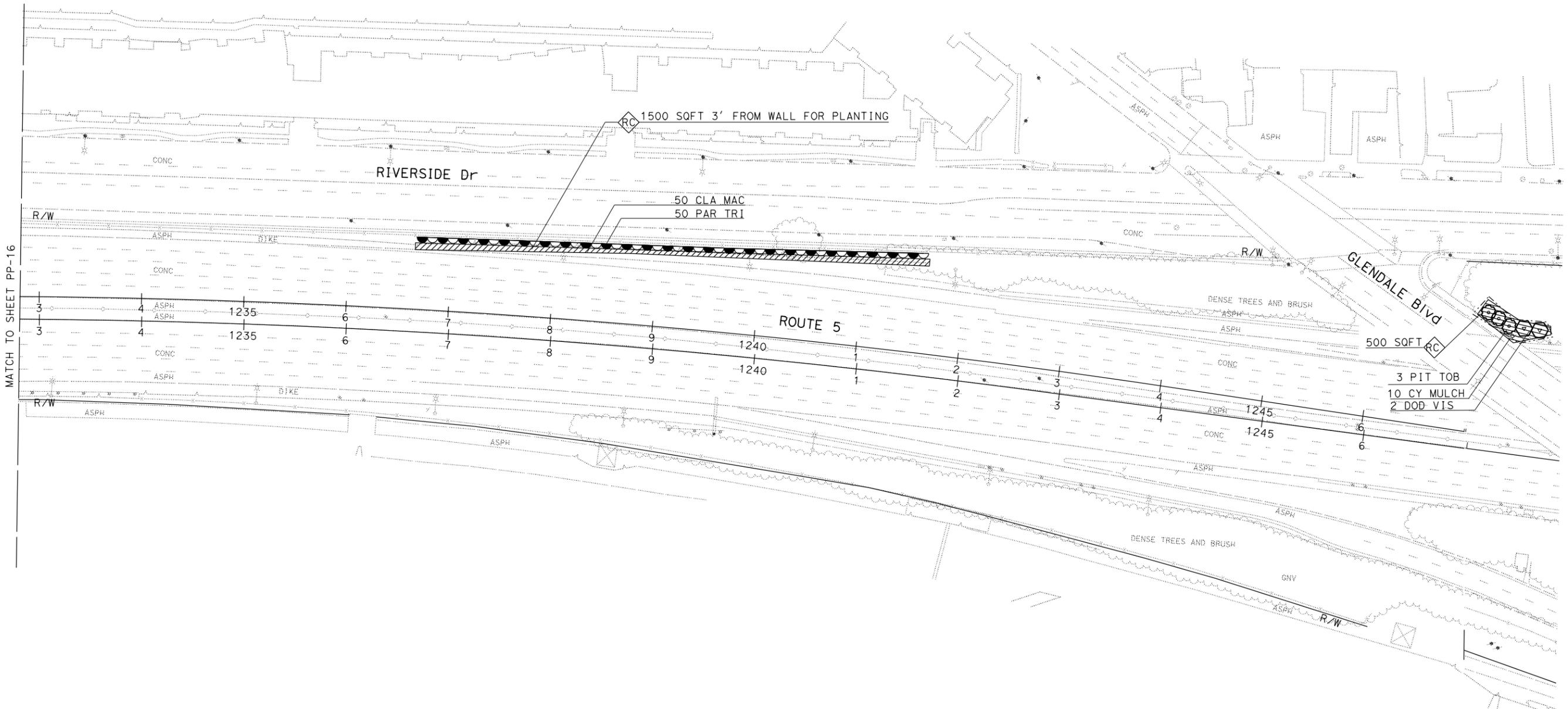


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	48	69

<i>Keith Sellers</i>	
LICENSED LANDSCAPE ARCHITECT	
10/28/13	
PLANS APPROVAL DATE	

LICENSED LANDSCAPE ARCHITECT KEITH SELLERS No. 5288 State of California 04-30-15 Renewal Date 04-10-13 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 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT PATRICIA WATANABE
 CALCULATED-DESIGNED BY CHECKED BY
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED

2
REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014
PLANTING PLAN
 APPROVED FOR PLANTING WORK ONLY SCALE: 1" = 50'
PP-17

LAST REVISION: DATE PLOTTED => 25-FEB-2014
 02-19-14 TIME PLOTTED => 12:19

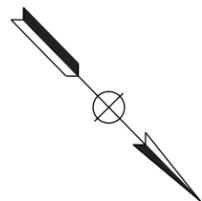
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: PATRICIA WATANABE
 CALCULATED-DESIGNED BY: CHECKED BY:
 KARIM SALARI: KEITH SELLERS
 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 PLOTTED ON THESE PLANS.

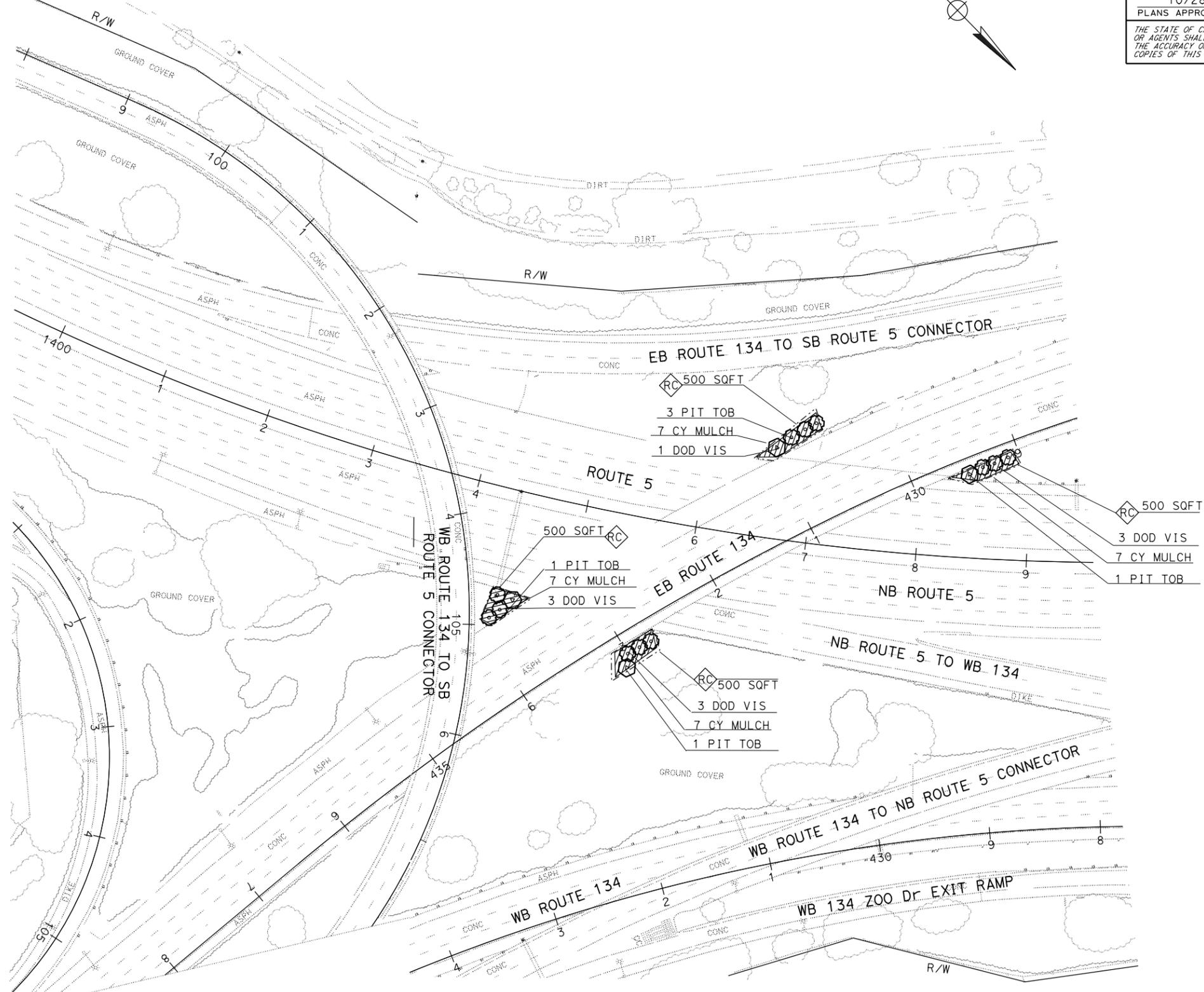
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	49	69

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 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.



2

REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

PLANTING PLAN

APPROVED FOR PLANTING WORK ONLY

SCALE: 1" = 50'

PP-18

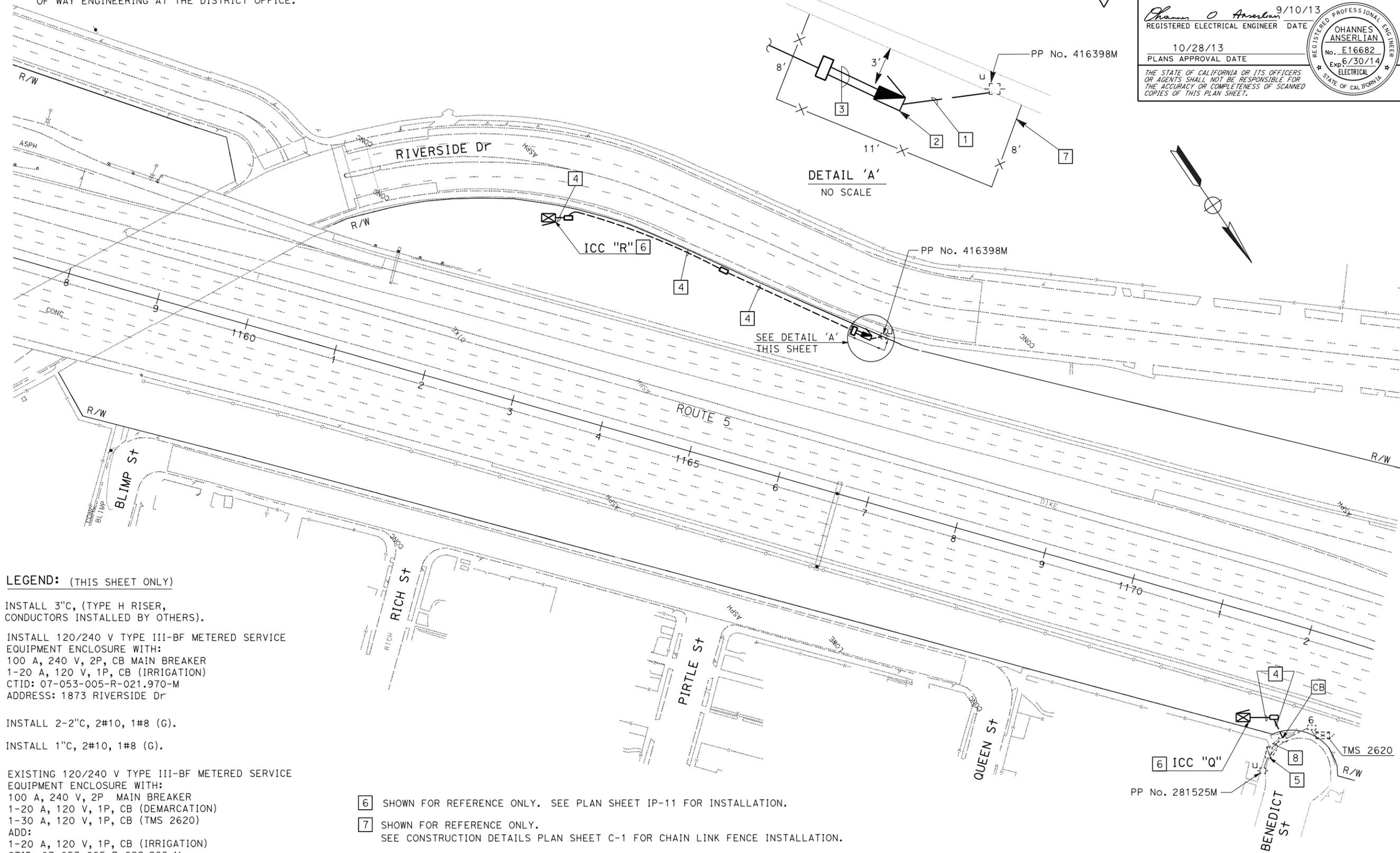
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	50	69

9/10/13
 REGISTERED ELECTRICAL ENGINEER DATE
 OHANNES ANSERLIAN
 No. E16682
 Exp. 6/30/14
 ELECTRICAL
 STATE OF CALIFORNIA

10/28/13
 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.



LEGEND: (THIS SHEET ONLY)

- 1 INSTALL 3"C, (TYPE H RISER, CONDUCTORS INSTALLED BY OTHERS).
- 2 INSTALL 120/240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH:
100 A, 240 V, 2P, CB MAIN BREAKER
1-20 A, 120 V, 1P, CB (IRRIGATION)
CTID: 07-053-005-R-021.970-M
ADDRESS: 1873 RIVERSIDE Dr
- 3 INSTALL 2-2"C, 2#10, 1#8 (G).
- 4 INSTALL 1"C, 2#10, 1#8 (G).
- 5 EXISTING 120/240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH:
100 A, 240 V, 2P MAIN BREAKER
1-20 A, 120 V, 1P, CB (DEMARCATATION)
1-30 A, 120 V, 1P, CB (TMS 2620)
ADD:
1-20 A, 120 V, 1P, CB (IRRIGATION)
CTID: 07-053-005-R-022.200-M
ADDRESS: 2650 1/2 BENEDICT ST
- 6 SHOWN FOR REFERENCE ONLY. SEE PLAN SHEET IP-11 FOR INSTALLATION.
- 7 SHOWN FOR REFERENCE ONLY. SEE CONSTRUCTION DETAILS PLAN SHEET C-1 FOR CHAIN LINK FENCE INSTALLATION.
- 8 EXISTING 3"C, 2#8, 2#12. ADD 2#10, 1#8(G).

**ELECTRIC SERVICE
(IRRIGATION)**
SCALE: 1"= 50'

2 **REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014**
APPROVED FOR ELECTRICAL WORK ONLY

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

FUNCTIONAL SUPERVISOR
OSWALD ELIZONDO

CHECKED BY

LIEN VO
OHANNES ANSERLIAN

REVISOR BY
DATE REVISED

DATE PLOTTED => 25-FEB-2014
TIME PLOTTED => 12:19
LAST REVISION: 02-19-14

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	51	69

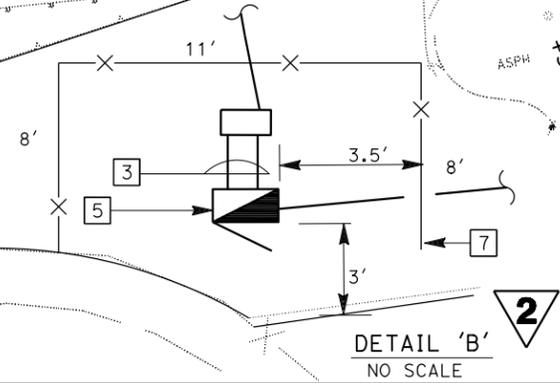
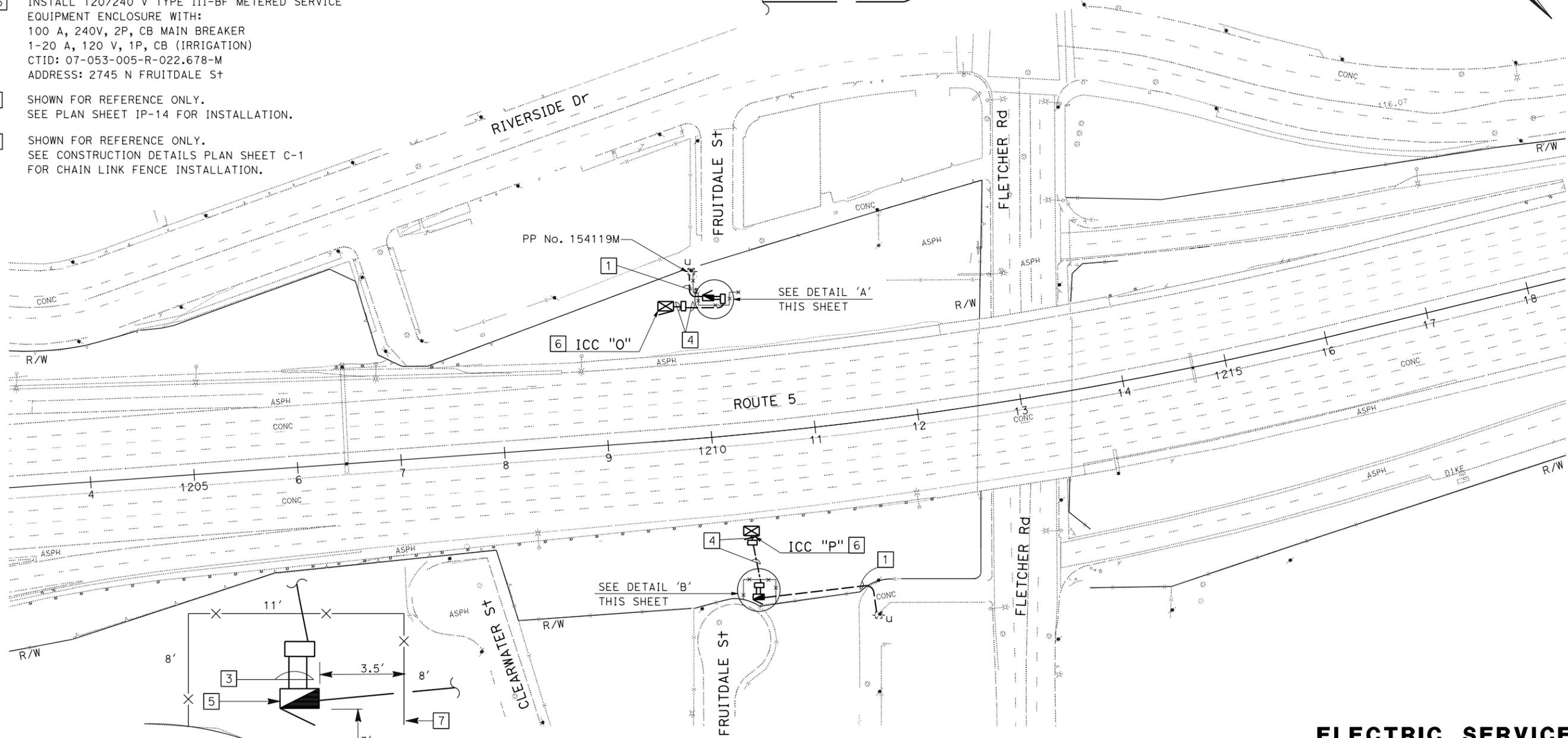
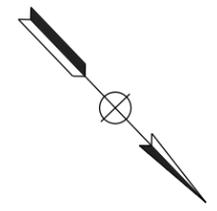
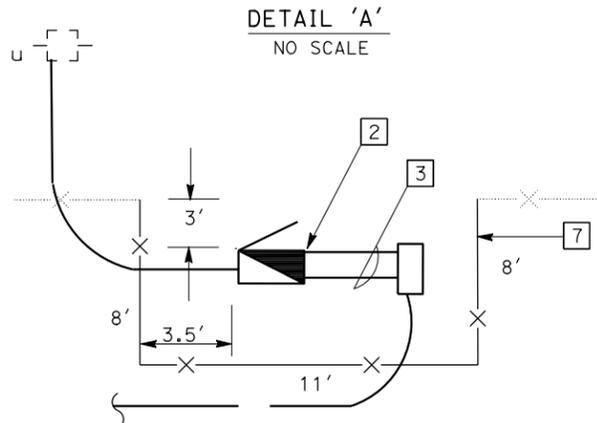
9/10/13
 REGISTERED ELECTRICAL ENGINEER DATE
 OHANNES ANSERLIAN
 No. E16682
 Exp 6/30/14
 ELECTRICAL
 STATE OF CALIFORNIA

10/28/13
 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.

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

LEGEND: (THIS SHEET ONLY)

- 1 INSTALL 3"C, (TYPE H RISER, CONDUCTORS INSTALLED BY OTHERS).
- 2 INSTALL 120/240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240V, 2P, CB MAIN BREAKER
 1-20 A, 120 V, 1P, CB (IRRIGATION)
 CTID: 07-053-005-R-022.675-M
 ADDRESS: 2720 N FRUITDALE ST
- 3 INSTALL 2-2"C, 2#10, 1#8 (G).
- 4 INSTALL 1"C, 2#10, 1#8 (G).
- 5 INSTALL 120/240 V TYPE III-BF METERED SERVICE EQUIPMENT ENCLOSURE WITH:
 100 A, 240V, 2P, CB MAIN BREAKER
 1-20 A, 120 V, 1P, CB (IRRIGATION)
 CTID: 07-053-005-R-022.678-M
 ADDRESS: 2745 N FRUITDALE ST
- 6 SHOWN FOR REFERENCE ONLY.
 SEE PLAN SHEET IP-14 FOR INSTALLATION.
- 7 SHOWN FOR REFERENCE ONLY.
 SEE CONSTRUCTION DETAILS PLAN SHEET C-1 FOR CHAIN LINK FENCE INSTALLATION.



REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

ELECTRIC SERVICE (IRRIGATION)

SCALE: 1" = 50'

E-2

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO
 CALCULATED-DESIGNED BY: [blank]
 CHECKED BY: [blank]
 LIEN VO: OHANNES ANSERLIAN
 REVISED BY: [blank]
 DATE REVISED: [blank]

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
 OSWALD ELIZONDO

CALCULATED-DESIGNED BY
 CHECKED BY

LIEN VO
 OHANNES ANSERLIAN

REVISED BY
 DATE REVISED

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	52	69

Ohannes O Anserlian 9/10/13
 REGISTERED ELECTRICAL ENGINEER DATE
 10/28/13
 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.

ELECTRIC SERVICE (IRRIGATION)

SHEET No.	(N) PULL BOX	(N) CONDUIT 3"	(N) CONDUIT 2"	(N) CONDUIT 1"	(N) CONDUCTOR #10	(N) CONDUCTOR #8 (G)	(N) ADD CIRCUIT BREAKER	(N) SERVICE EQUIPMENT ENCLOSURE
	EA	LF	LF	LF	LF	LF	EA	EA
E-1	4	40	20	400	900	450	1	1
E-2	4	200	20	100	200	150	—	2
TOTAL	8	240	40	500	1,100	600	1	3

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

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014 ELECTRICAL QUANTITIES
E-3

LAST REVISION: DATE PLOTTED => 25-FEB-2014
 02-19-14 TIME PLOTTED => 12:19

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
ObItr	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
P	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PERFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Shr	SHEET	
Sim	SIMILAR	
SL	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
To+	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	2
Typ	TYPICAL	U
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	V
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	W
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWLOL	WINGWALL LAYOUT LINE	X
X Sec	CROSS SECTION	
Xing	CROSSING	Y
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	53	69

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 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 10-28-13

UNIT OF MEASUREMENT SYMBOLS:
Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

2 **REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

2010 REVISED STANDARD PLAN RSP A10B

2

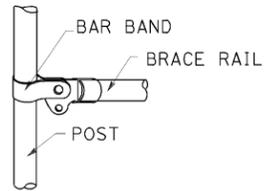
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	54	69

Glenn DeCou
REGISTERED CIVIL ENGINEER

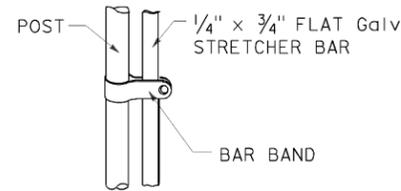
October 19, 2012
PLANS APPROVAL DATE

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

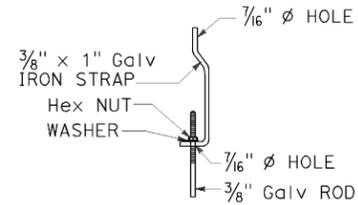
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BRACE RAIL



STRETCHER BAR

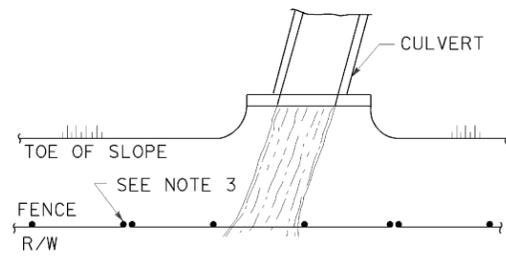


TRUSS TIGHTENER

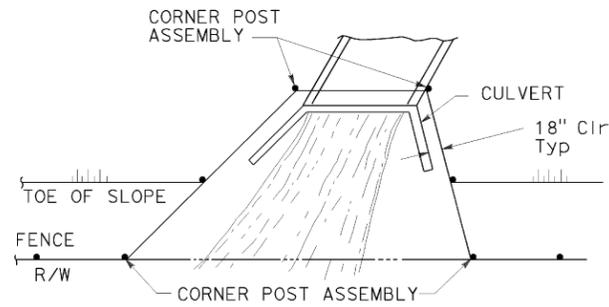
NOTES:

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.

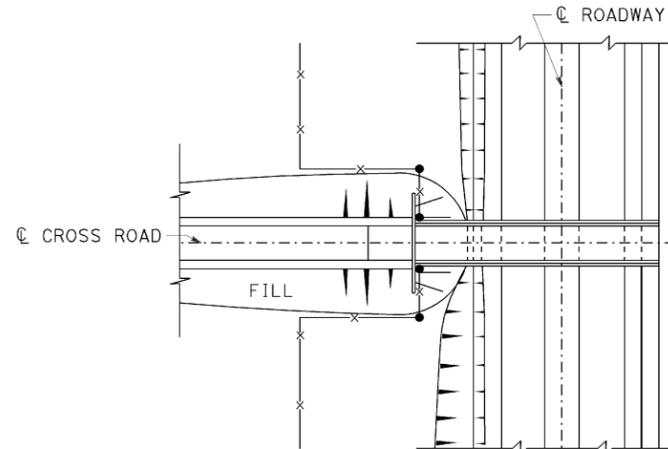
TO ACCOMPANY PLANS DATED 10-28-13



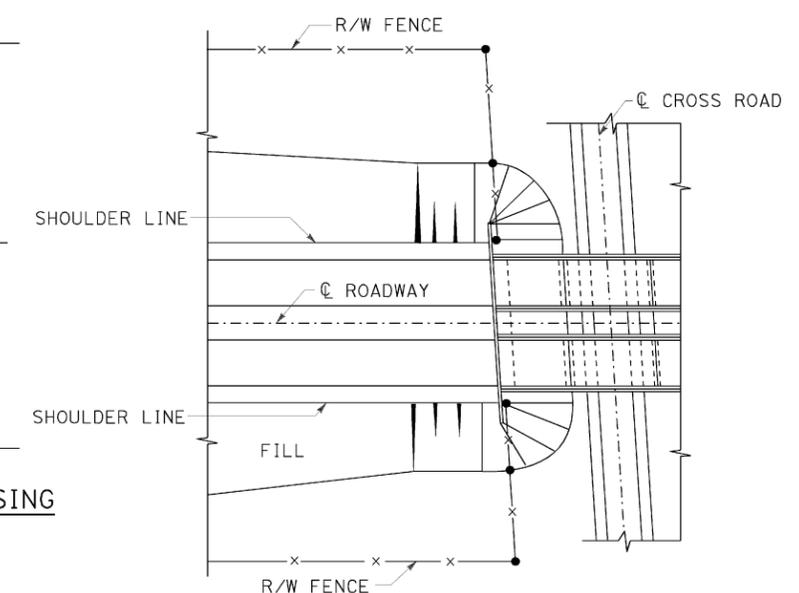
PLAN



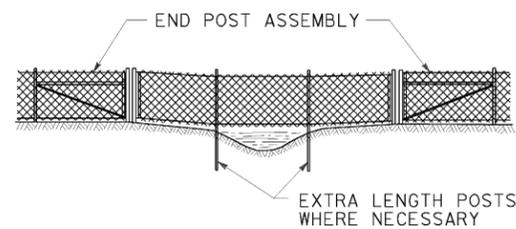
PLAN



PLAN OF ROADWAY - OVERCROSSING

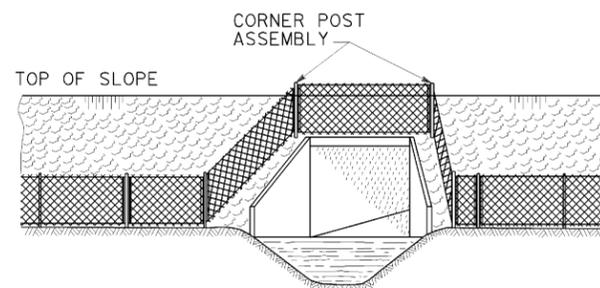


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

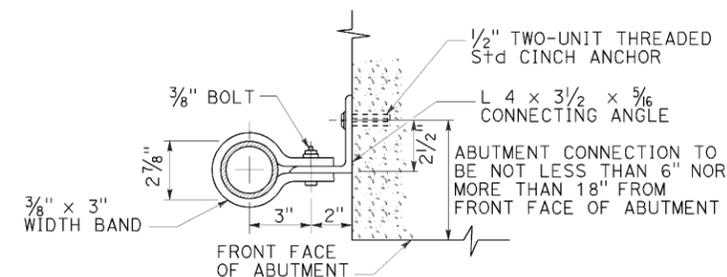
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

2 **REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

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

2

REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	55	69

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 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 _____

A

AB AGGREGATE BASE
 ABS ACRYLONITRILE-BUTADIENE-STYRENE
 AC ASPHALT CONCRETE
 ACC ARMOR-CLAD CONDUCTORS
 Adj ADJACENT/ADJUSTABLE
 AIC AUXILIARY IRRIGATION CONTROLLER
 Alt ALTERNATIVE
 AMEND AMENDMENT
 ARV AIR RELEASE VALVE
 AUTO AUTOMATIC
 AUX AUXILIARY
 AVB ATMOSPHERIC VACUUM BREAKER

B

B&B BALLED AND BURLAPPED
 B/B BRASS/BRONZE
 B/B/PL BRASS/BRONZE/PLASTIC
 B/PL BRASS/PLASTIC
 BFM BONDED FIBER MATRIX
 Bit Ctd BITUMINOUS COATED
 BP BOOSTER PUMP
 BPA BACKFLOW PREVENTER ASSEMBLY
 BPE BACKFLOW PREVENTER ENCLOSURE
 BV BALL VALVE

C

C CONDUIT
 CAP CORRUGATED ALUMINUM PIPE
 CARV COMBINATION AIR RELEASE VALVE
 CB COUPLING BAND
 CCA CAM COUPLER ASSEMBLY
 CEC CONTROLLER ENCLOSURE CABINET
 CHDPE CORRUGATED HIGH DENSITY POLYETHYLENE
 CL CHAIN LINK
 CNC CONTROL AND NEUTRAL CONDUCTORS
 Conc CONCRETE
 CP COPPER PIPE
 CS COMPOST SOCK
 CSP CORRUGATED STEEL PIPE
 CST CENTER STRIP
 CV CHECK VALVE

D

Dia DIAMETER
 DIP DUCTILE IRON PIPE
 DIT DRIP IRRIGATION TUBING
 DG DECOMPOSED GRANITE
 DN DIAMETER NOMINAL
 DVA DRIP VALVE ASSEMBLY

E

EC EROSION CONTROL
 ECTC EROSION CONTROL TECHNOLOGY COUNCIL
 Elec+ ELECTRIC/ELECTRICAL
 Elev ELEVATION
 ELL ELBOW
 ENCL ENCLOSURE
 EP EDGE OF PAVEMENT
 ES EDGE OF SHOULDER
 EST END STRIP
 ESTB ESTABLISHMENT
 ETW EDGE OF TRAVELED WAY

F

F FULL CIRCLE
 F/P FULL/PART CIRCLE
 FCV FLOW CONTROL VALVE
 FERT FERTILIZER
 FG FINISHED GRADE
 FH FLEXIBLE HOSE
 FIPT FEMALE IRON PIPE THREAD
 FIS FERTILIZER INJECTOR SYSTEM
 FL FLOW LINE
 FR FIBER ROLL
 FS FLOW SENSOR
 FSC FLOW SENSOR CABLE
 FV FLUSH VALVE

G

Galv GALVANIZED
 GARV GARDEN VALVE
 GARVA GARDEN VALVE ASSEMBLY
 GM GRAVEL MULCH
 GPH GALLONS PER HOUR
 GPM GALLONS PER MINUTE
 GSP GALVANIZED STEEL PIPE
 GV GATE VALVE

H

H HALF CIRCLE
 HDPE HIGH DENSITY POLYETHYLENE
 HP HORSEPOWER/HINGE POINT
 HPL HIGH PRESSURE LINE
 Hwy HIGHWAY

I

IC IRRIGATION CONTROLLER
 ICC IRRIGATION CONTROLLER(S)
 IN CONTROLLER ENCLOSURE CABINET
 ID INSIDE DIAMETER
 IFS IRRIGATION FILTRATION SYSTEM
 IPS IRON PIPE SIZE
 IPT IRON PIPE THREAD
 Irr IRRIGATION

L

L LENGTH

M

Max MAXIMUM
 MBGR METAL BEAM GUARD RAILING
 MCV MANUAL CONTROL VALVE
 MIC MASTER IRRIGATION CONTROLLER
 Min MINIMUM
 MIPT MALE IRON PIPE THREAD
 Misc MISCELLANEOUS
 Mtl MATERIAL
 MVP MAINTENANCE VEHICLE PULLOUT

N

NCN NO COMMON NAME
 NL NOZZLE LINE
 No. NUMBER
 NPT NATIONAL PIPE THREAD

O

O/C ON CENTER
 OD OUTSIDE DIAMETER
 OL OVERLAP

P

P PART CIRCLE
 PB PULL BOX
 PCC PORTLAND CEMENT CONCRETE
 PE POLYETHYLENE
 Pkt PACKET
 PL PLASTIC
 PLS PURE LIVE SEED
 PLT PLANT/PLANTING
 PLT ESTB PLANT ESTABLISHMENT
 PM POST MILE
 PR PRESSURE RATED
 PRLV PRESSURE RELIEF VALVE
 PRV PRESSURE REGULATING VALVE
 PVC POLYVINYL CHLORIDE
 Pvm+ PAVEMENT

Q

Q QUARTER CIRCLE
 QCV QUICK COUPLING VALVE

NOTE:
 For additional abbreviations,
 see Standard Plans A10A and A10B.

R

R RADIUS
 RCP REINFORCED CONCRETE PIPE
 RCV REMOTE CONTROL VALVE
 RCVM REMOTE CONTROL VALVE (MASTER)
 RCVMF REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
 RCPV REMOTE CONTROL VALVE W/PRESSURE REGULATOR
 RCW RECYCLED WATER
 RECP ROLLED EROSION CONTROL PRODUCT
 REQ REQUIRED
 RICS REMOTE IRRIGATION CONTROL SYSTEM
 R/W RIGHT OF WAY

S

S SLIP
 SCH SCHEDULE
 SF STATE-FURNISHED
 Shld SHOULDER
 Sq SQUARE
 SST SIDE STRIP
 Sta STATION
 Std STANDARD
 SW SIDEWALK/SOUND WALL

T

T THIRD CIRCLE/THREAD
 TLS TRUCK LOADING STANDPIPE
 TQ THREE QUARTER CIRCLE
 TRM TURF REINFORCEMENT MAT
 TT TWO-THIRDS CIRCLE
 TWSA TREE WELL SPRINKLER ASSEMBLY
 Typ TYPICAL

U

UG UNDERGROUND

W

W WIDTH
 W/ WITH
 WM WATER METER
 WS WYE STRAINER
 WSA WYE STRAINER ASSEMBLY
 WSP WELDED STEEL PIPE
 WWM WELDED WIRE MESH

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**LANDSCAPE AND
 EROSION CONTROL ABBREVIATIONS**
 NO SCALE

RSP H1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H1
 DATED MAY 20, 2011 - PAGE 218 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H1

2010 REVISED STANDARD PLAN RSP H1

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	56	69

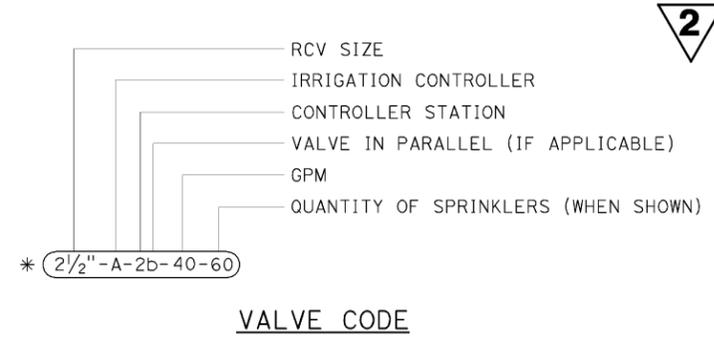
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 JULY 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 10-28-13

2010 REVISED STANDARD PLAN RSP H2

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)
		IRRIGATION CONTROLLER (IC) (BATTERY)
		IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER (IC) (TWO WIRE)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		ARMOR-CLAD CONDUCTORS (ACC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		EXTEND IRRIGATION CROSSOVER
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (SUPPLY LINE) (LATERAL)
		COPPER PIPE (SUPPLY LINE)
		DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV)
		REMOTE CONTROL VALVE (MASTER) (RCVM)
		REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
		DRIP VALVE ASSEMBLY (DVA)
		WYE STRAINER ASSEMBLY (WSA)

EXISTING	NEW	ITEM DESCRIPTION
		GATE VALVE (GV)
		BALL VALVE (BV)
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		GARDEN VALVE ASSEMBLY (GARVA)
		PRESSURE REGULATING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		EXISTING NOZZLE LINE W/TURNING UNION
		EXISTING IRRIGATION SYSTEM
		EXISTING IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
		FIBER ROLL
		COMPOST SOCK



* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE AND EROSION CONTROL SYMBOLS
 NO SCALE

RSP H2 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H2 DATED MAY 20, 2011 - PAGE 219 OF THE STANDARD PLANS BOOK DATED 2010.

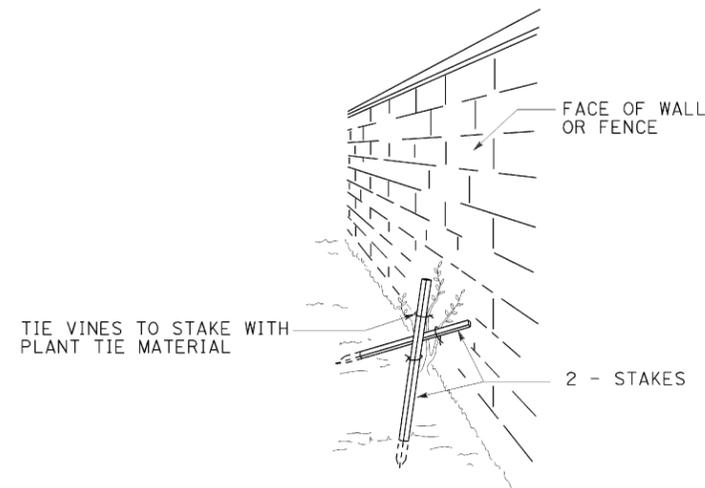
REVISED STANDARD PLAN RSP H2

2

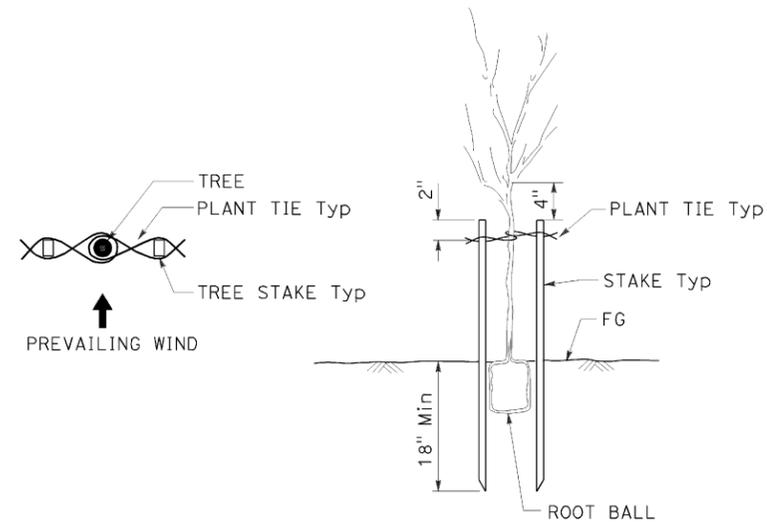
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	57	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 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.

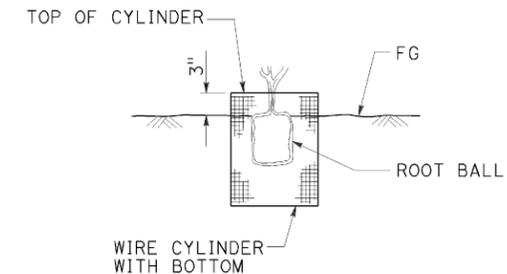
TO ACCOMPANY PLANS DATED 10-28-13



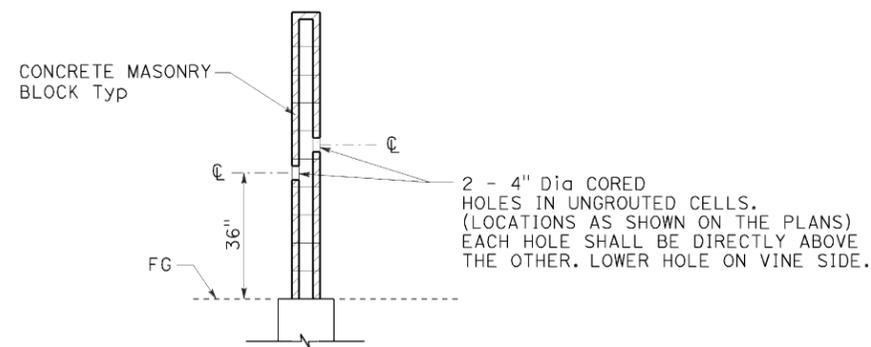
PERSPECTIVE VINE STAKING



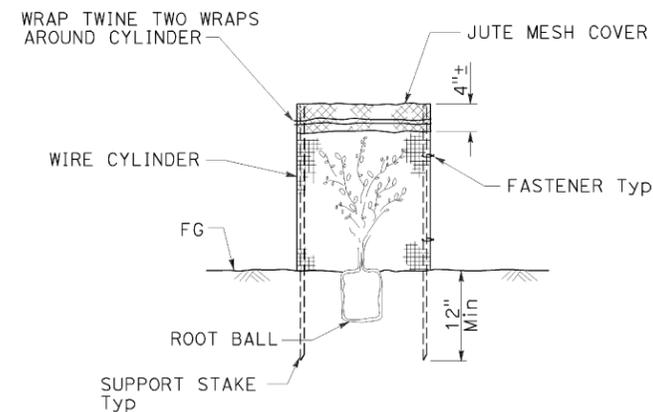
TREE STAKING



SECTION ROOT PROTECTOR



SECTION CORE HOLE (VINE)



SECTION FOLIAGE PROTECTOR

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS

NO SCALE

2 **REVISED PER ADDENDUM No. 2
 DATED FEBRUARY 26, 2014**

RSP H4 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H4
 DATED MAY 20, 2011 - PAGE 221 OF THE STANDARD PLANS BOOK DATED 2010.

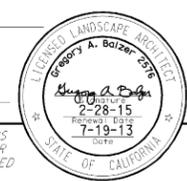
REVISED STANDARD PLAN RSP H4

2010 REVISED STANDARD PLAN RSP H4

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	58	69

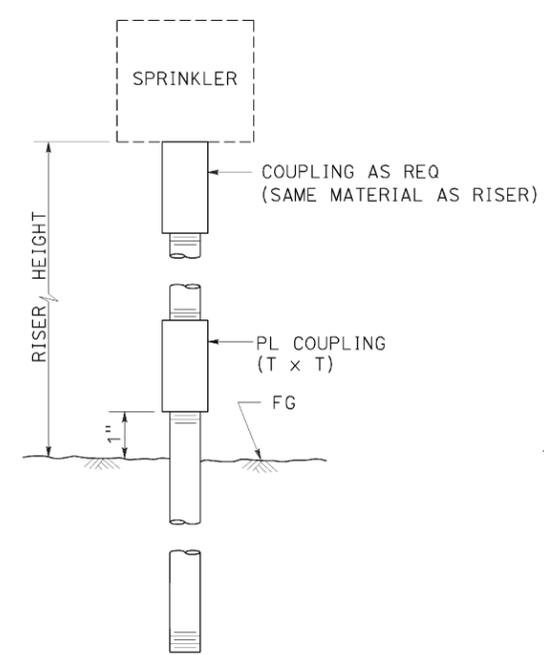
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
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TO ACCOMPANY PLANS DATED 10-28-13

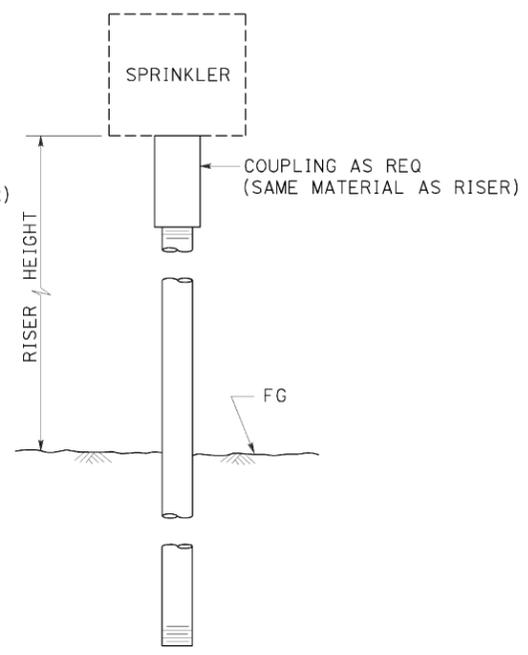
NOTES:

1. Install tree well sprinkler assembly on up-hill side of plant when on slope.
2. Install bubbler within basin.



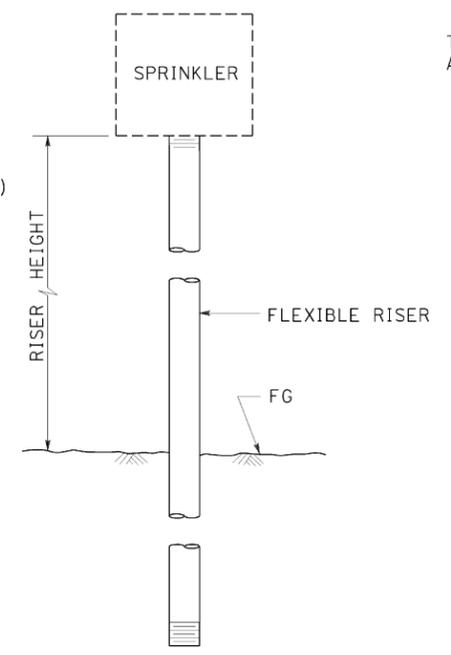
ELEVATION

RISER SPRINKLER ASSEMBLY TYPE I



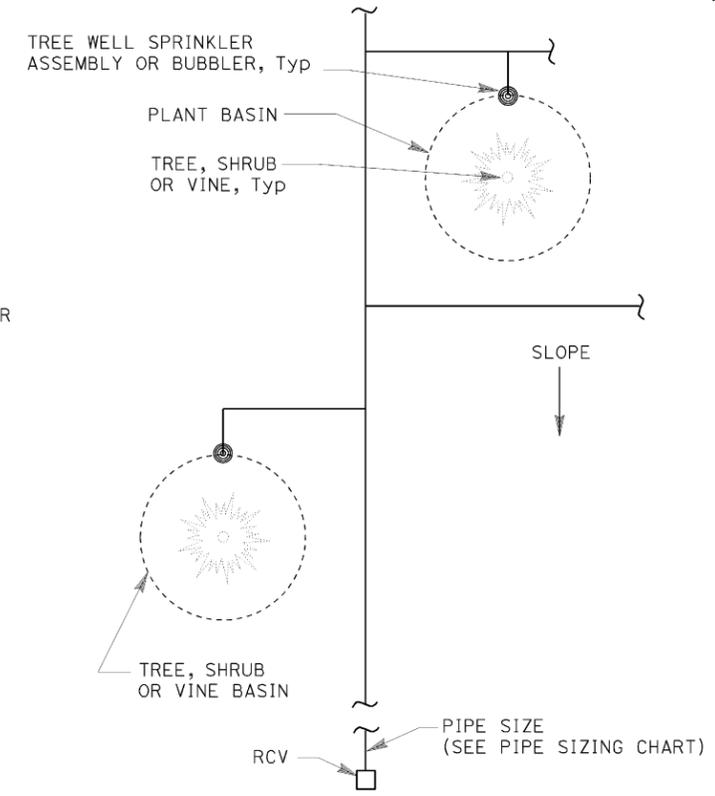
ELEVATION

RISER SPRINKLER ASSEMBLY TYPE II

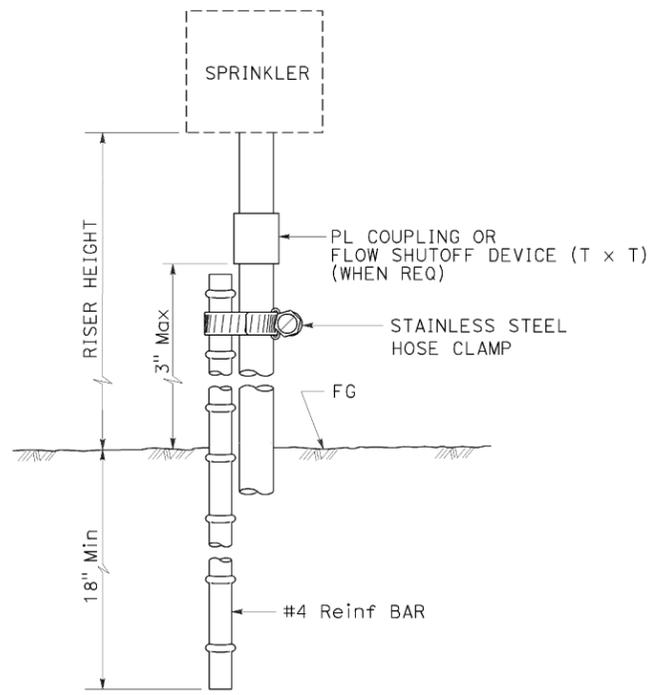


ELEVATION

RISER SPRINKLER ASSEMBLY TYPE III

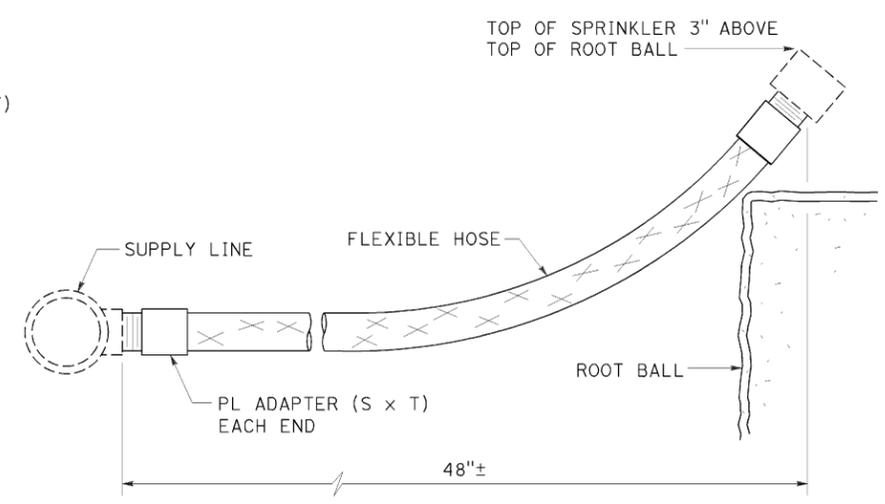


PLAN



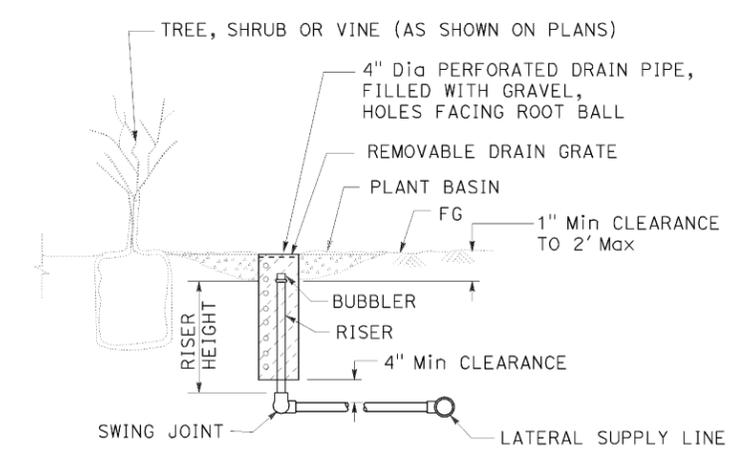
ELEVATION

RISER SPRINKLER ASSEMBLY TYPE IV



ELEVATION

RISER SPRINKLER ASSEMBLY TYPE V



SECTION

TREE WELL SPRINKLER ASSEMBLY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

2

**REVISED PER ADDENDUM No. 2
 DATED FEBRUARY 26, 2014**

LANDSCAPE DETAILS

NO SCALE

RSP H5 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H5
 DATED MAY 20, 2011 - PAGE 222 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H5

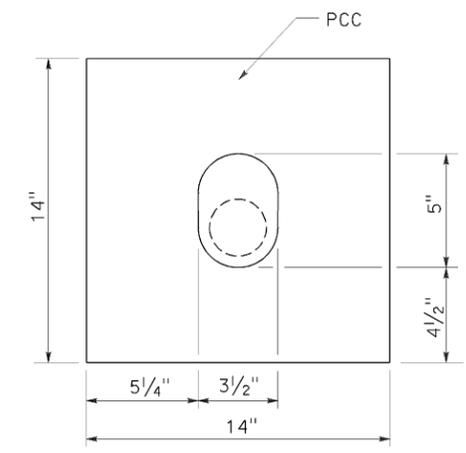
2010 REVISED STANDARD PLAN RSP H5

2

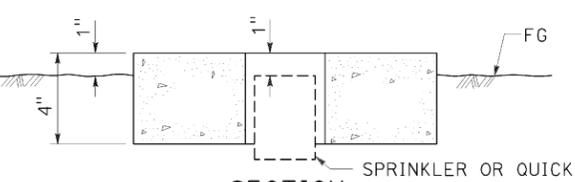
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	58A	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
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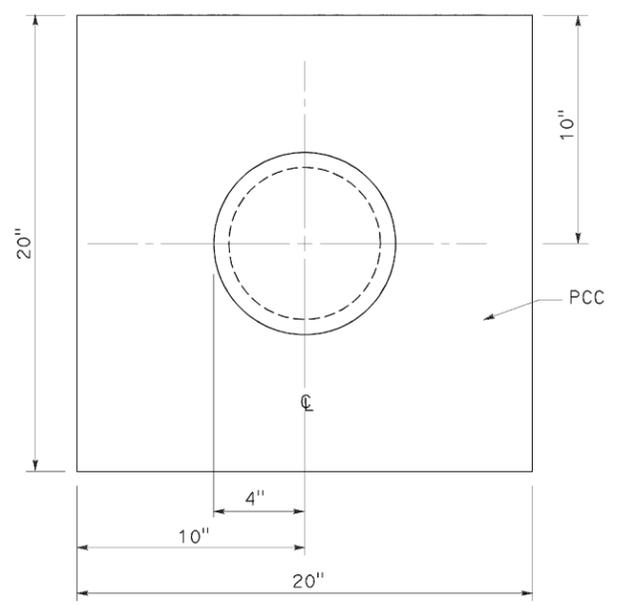
TO ACCOMPANY PLANS DATED 10-28-13



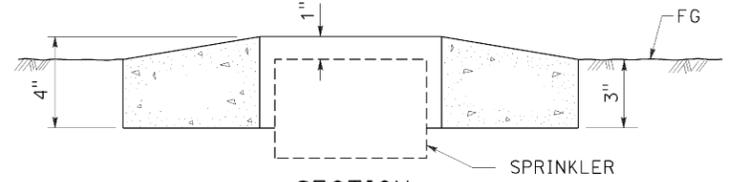
PLAN



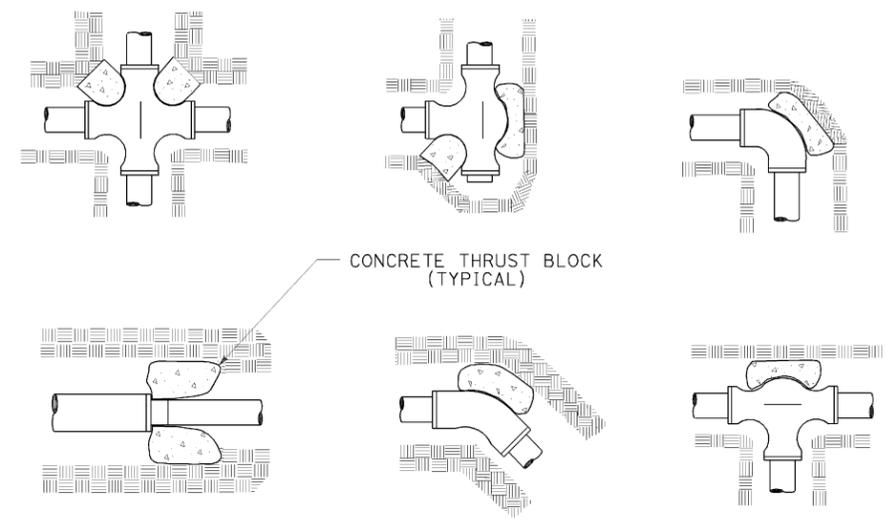
SECTION SPRINKLER OR QUICK COUPLING VALVE
 SPRINKLER PROTECTOR TYPE I



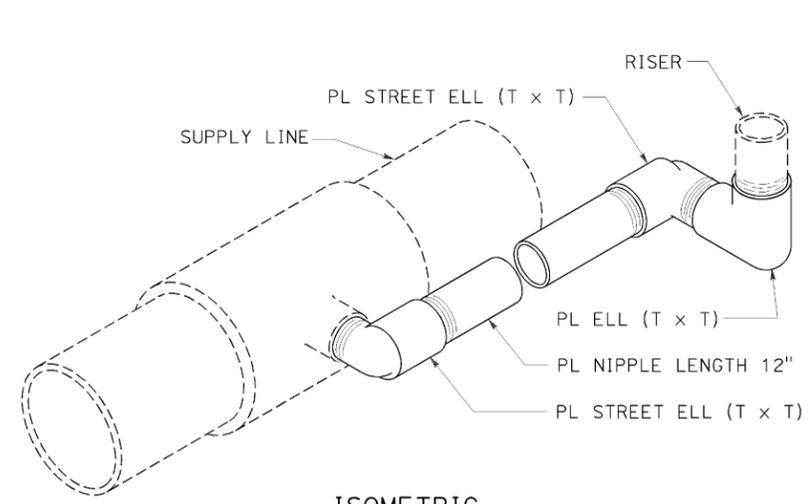
PLAN



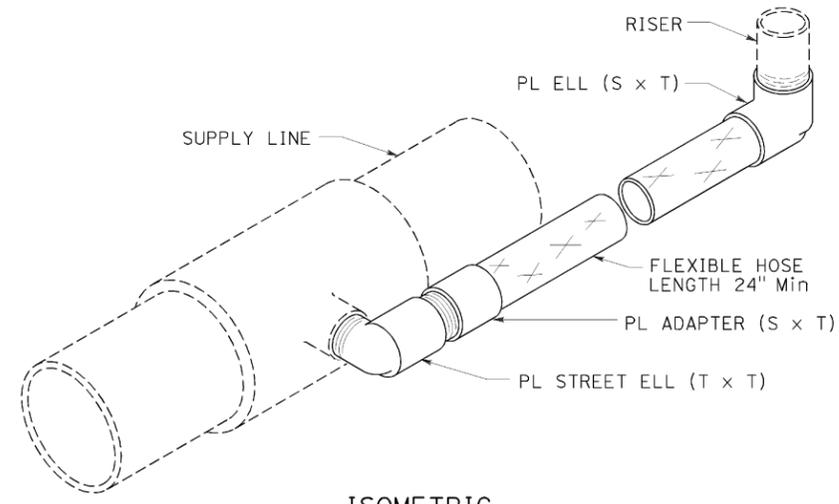
SECTION SPRINKLER
 SPRINKLER PROTECTOR TYPE II



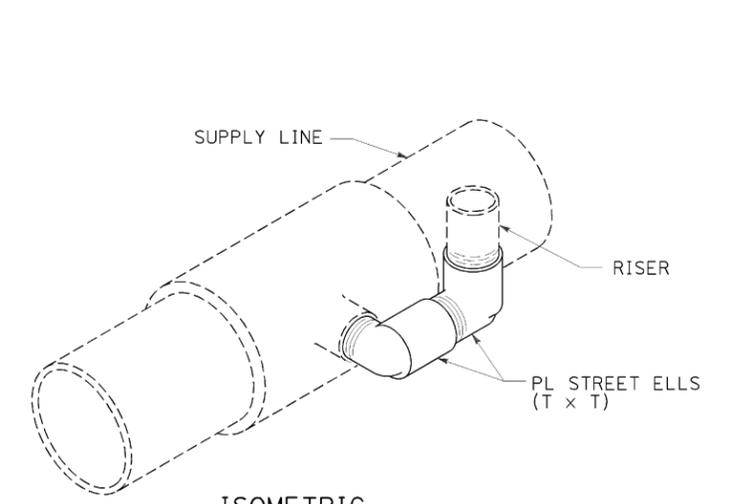
TYPICAL THRUST BLOCKS



ISOMETRIC
 POP-UP SPRINKLER ASSEMBLY TYPE I



ISOMETRIC
 POP-UP SPRINKLER ASSEMBLY TYPE II



ISOMETRIC
 POP-UP SPRINKLER ASSEMBLY TYPE III

2 ADDED PER ADDENDUM No. 2
 DATED FEBRUARY 26, 2014

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H6 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H6
 DATED MAY 20, 2011 - PAGE 223 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H6

2010 REVISED STANDARD PLAN RSP H6

**2 REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

2

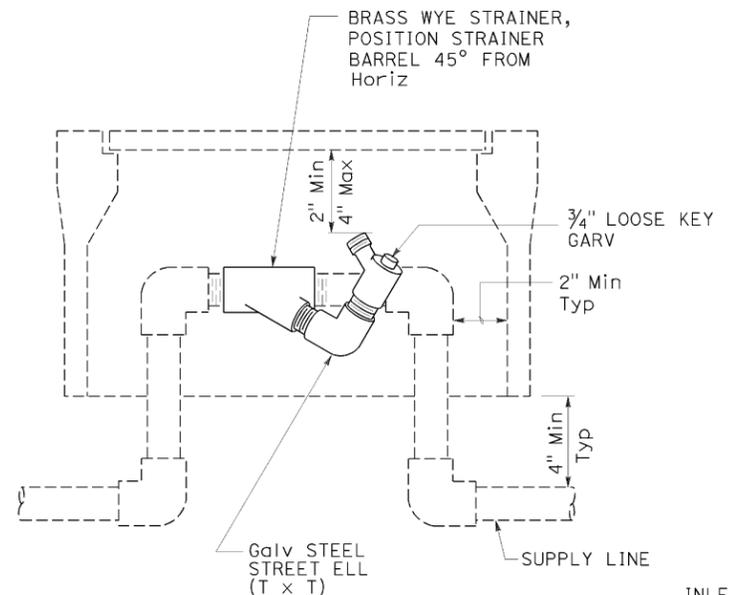
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	59	69

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

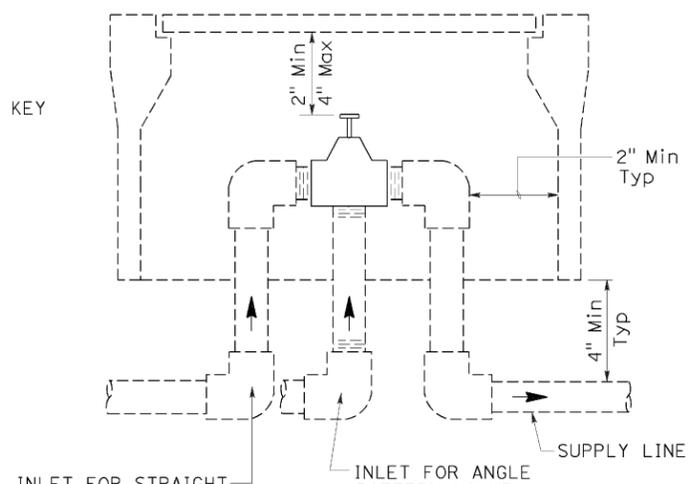
July 19, 2013
PLANS APPROVAL DATE

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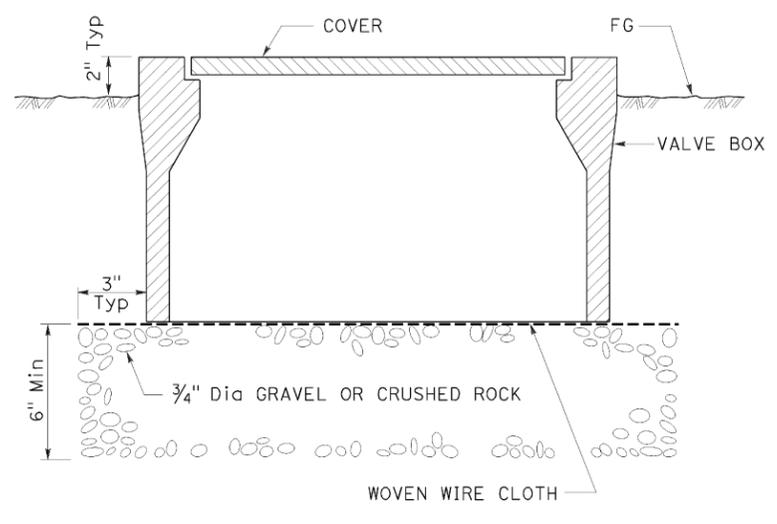
DATE: 2-28-15
REVISION: 7-19-13



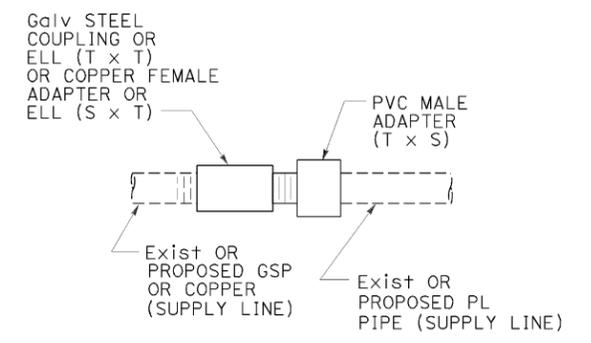
**ELEVATION
WYE STRAINER ASSEMBLY**



**ELEVATION
VALVE**

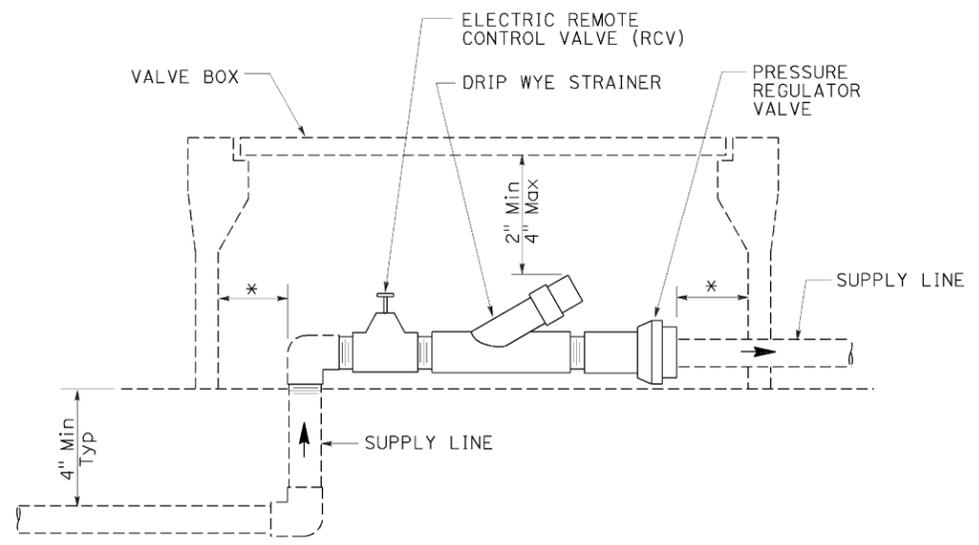


**SECTION
VALVE BOX**



**GALVANIZED OR COPPER PIPE
CONNECTION TO PLASTIC PIPE**

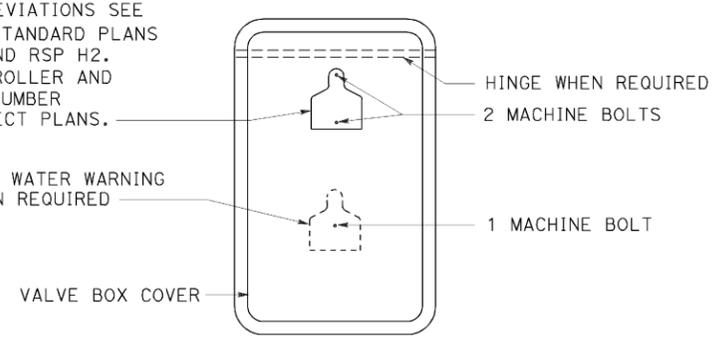
TO ACCOMPANY PLANS DATED 10-28-13



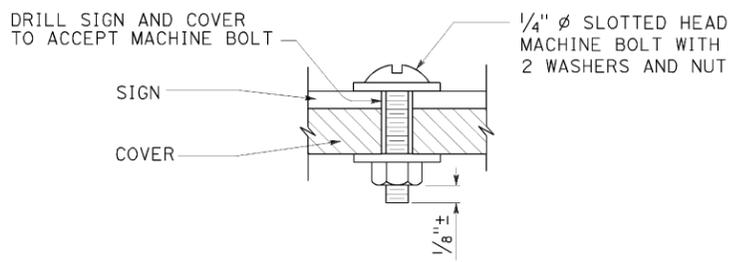
**ELEVATION
DRIP VALVE ASSEMBLY**

IDENTIFICATION LABEL:
FOR ABBREVIATIONS SEE
REVISED STANDARD PLANS
RSP H1 AND RSP H2.
FOR CONTROLLER AND
STATION NUMBER
SEE PROJECT PLANS.

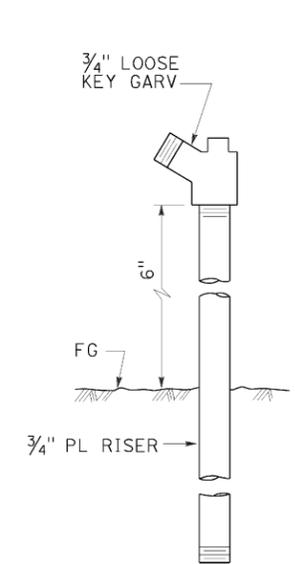
RECYCLED WATER WARNING
SIGN WHEN REQUIRED



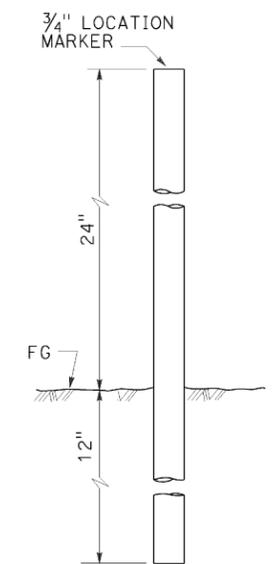
PLAN



**SECTION
VALVE BOX IDENTIFICATION**



**ELEVATION
GARDEN VALVE ASSEMBLY**



**ELEVATION
LOCATION MARKER**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

RSP H7 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H7
DATED MAY 20, 2011 - PAGE 224 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H7

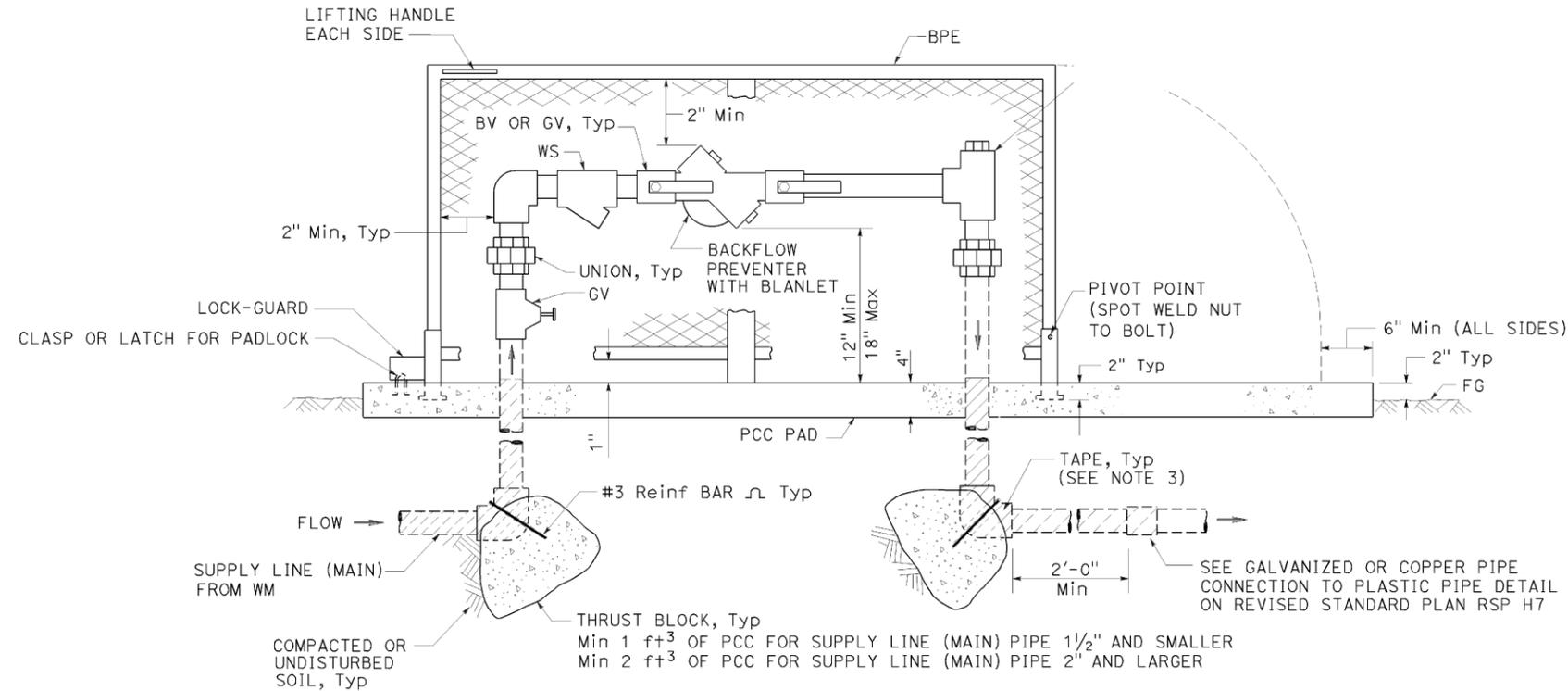
2010 REVISED STANDARD PLAN RSP H7

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	60	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
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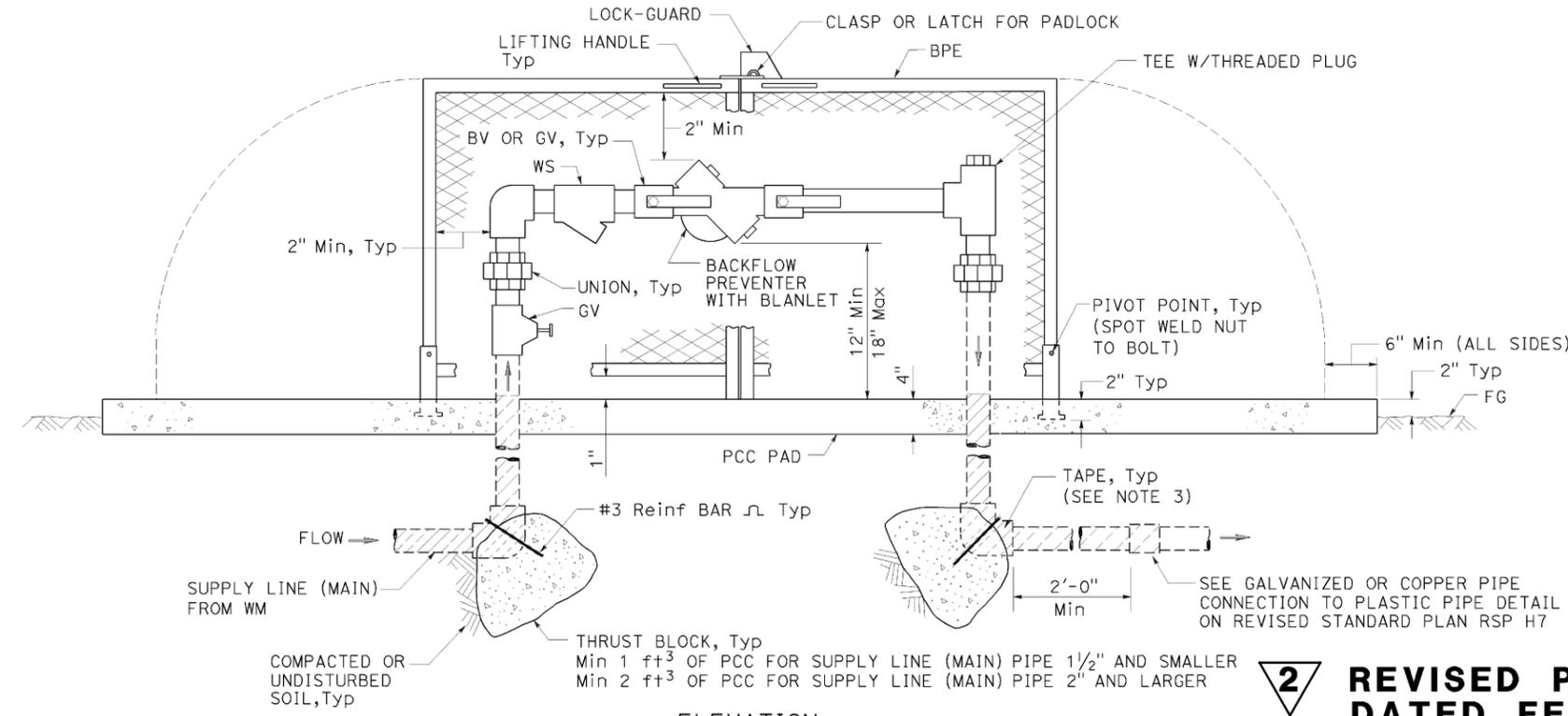
TO ACCOMPANY PLANS DATED 10-28-13



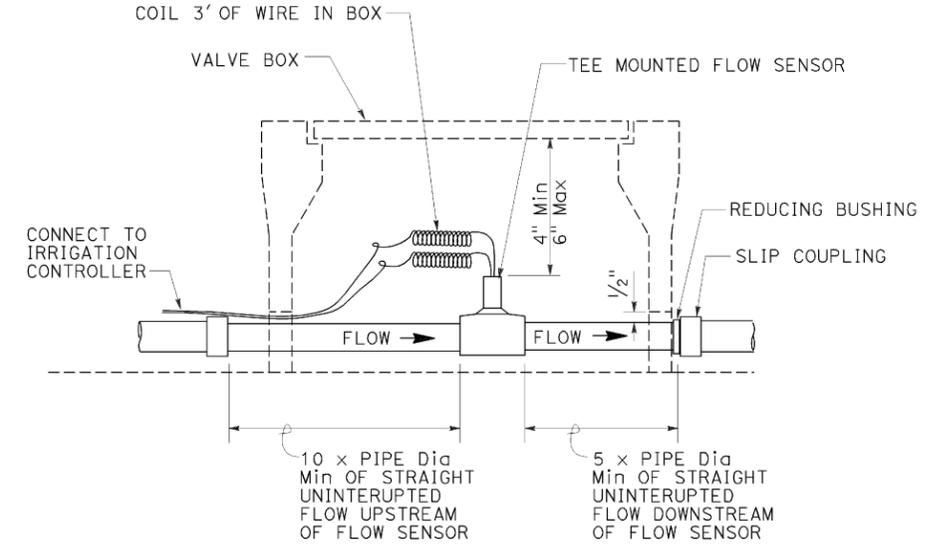
ELEVATION
BACKFLOW PREVENTER ASSEMBLY
 IN ONE PIECE ENCLOSURE

NOTES:

1. Wye strainer and fittings must be the same size as the backflow preventer shown on the plans.
2. Backflow preventer assembly manifold pipe must be the same pipe as the supply line (main) pipe to be installed from the water meter to the backflow preventer assembly.
3. All metal in contact with soil and Portland Cement Concrete must be wrapped with 2" wide plastic backed adhesive polyethylene tape 20 mil thick with 1/2" overlap.



ELEVATION
BACKFLOW PREVENTER ASSEMBLY
 IN TWO PIECE ENCLOSURE



SECTION
FLOW SENSOR

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS

NO SCALE

2 **REVISED PER ADDENDUM No. 2**
DATED FEBRUARY 26, 2014

RSP H8 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H8
 DATED MAY 20, 2011 - PAGE 225 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H8

2010 REVISED STANDARD PLAN RSP H8

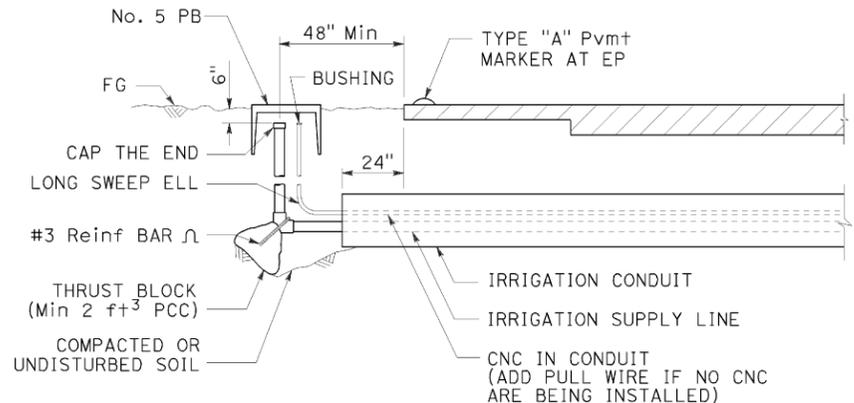
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	61	69

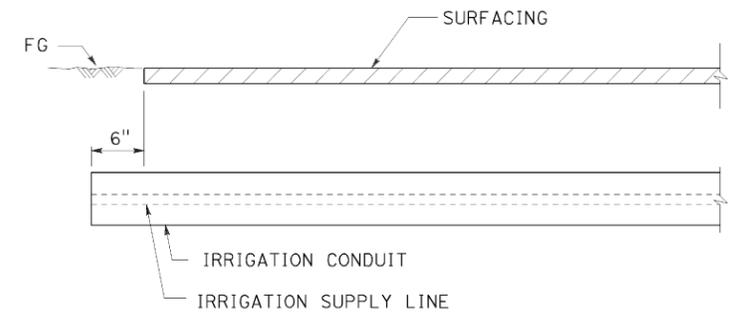
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



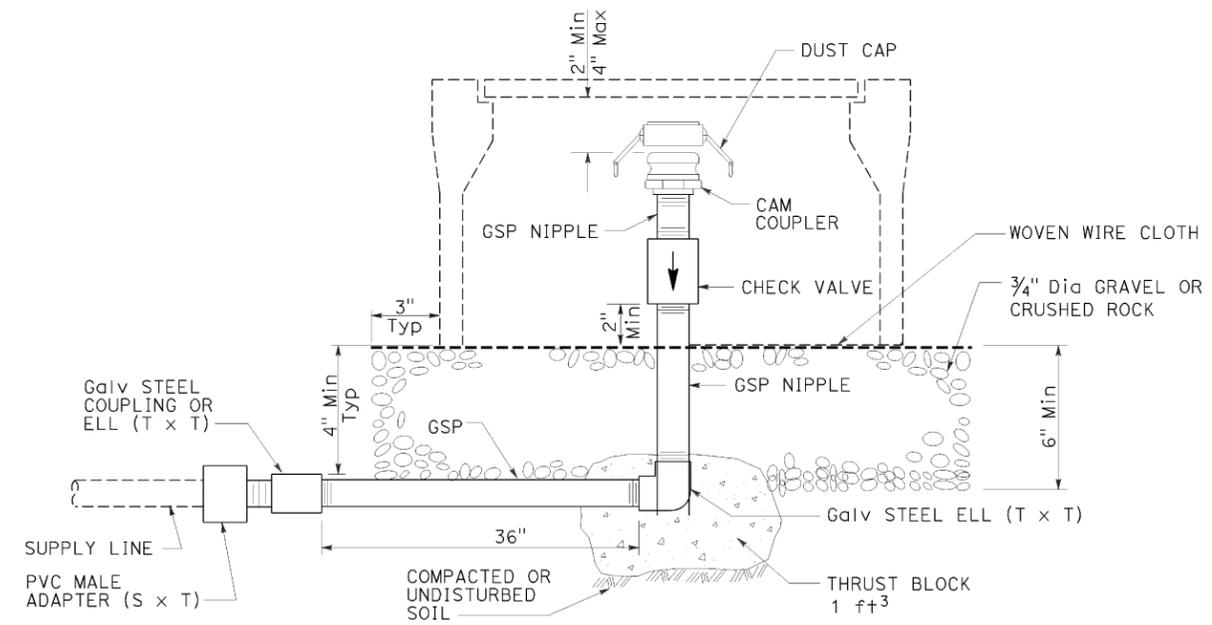
TO ACCOMPANY PLANS DATED 10-28-13



SECTION
IRRIGATION CONDUIT
UNDER TRAVELED WAY



SECTION
IRRIGATION CONDUIT
UNDER SIDEWALKS, DRIVEWAYS AND PATHS



ELEVATION
CAM COUPLER ASSEMBLY

2010 REVISED STANDARD PLAN RSP H9

2

REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014

LANDSCAPE DETAILS

NO SCALE

RSP H9 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H9
DATED MAY 20, 2011 - PAGE 226 OF THE STANDARD PLANS BOOK DATED 2010.

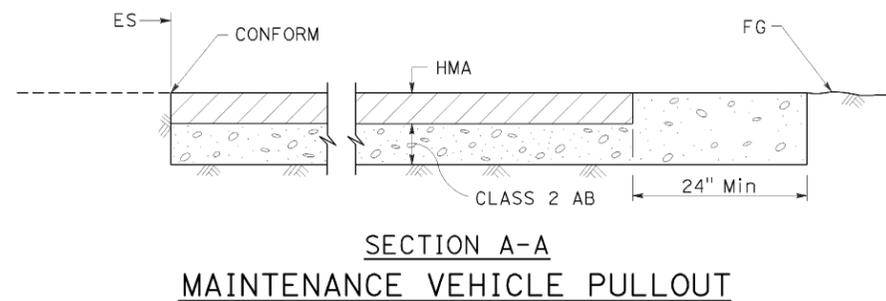
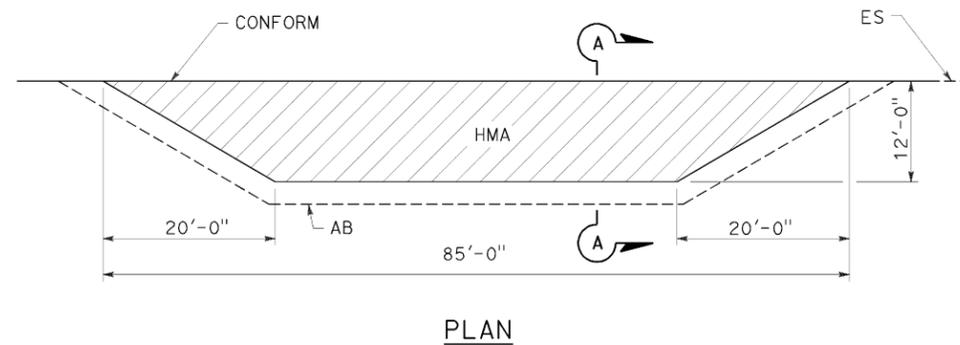
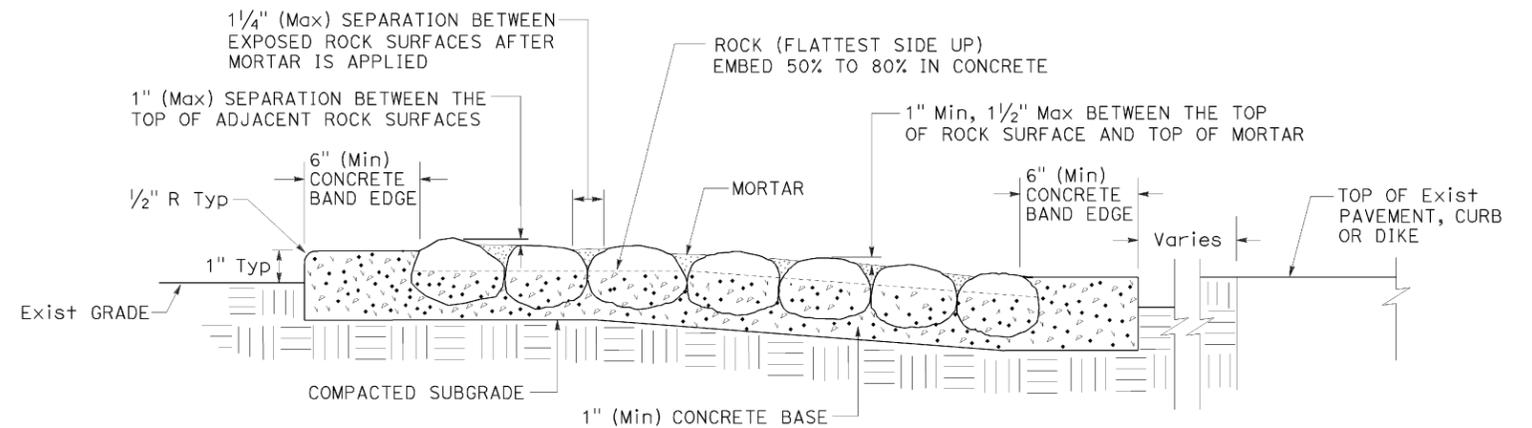
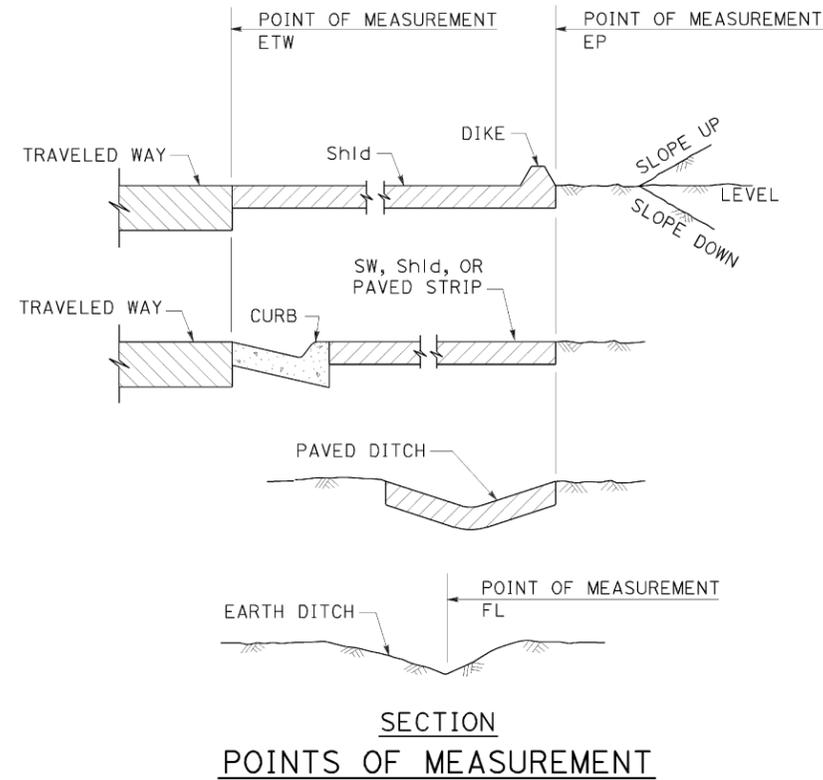
REVISED STANDARD PLAN RSP H9

2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	62	69

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 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 10-28-13



2

**REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

LANDSCAPE DETAILS

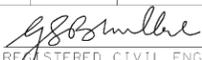
NO SCALE

RSP H9A DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H9A

2010 REVISED STANDARD PLAN RSP H9A



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	62A	69
 REGISTERED CIVIL ENGINEER					
July 19, 2013 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>					

TO ACCOMPANY PLANS DATED 10-28-13

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	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
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 TABLES
FOR LANE AND RAMP CLOSURES**

NO SCALE



**ADDED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

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

REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	63	69

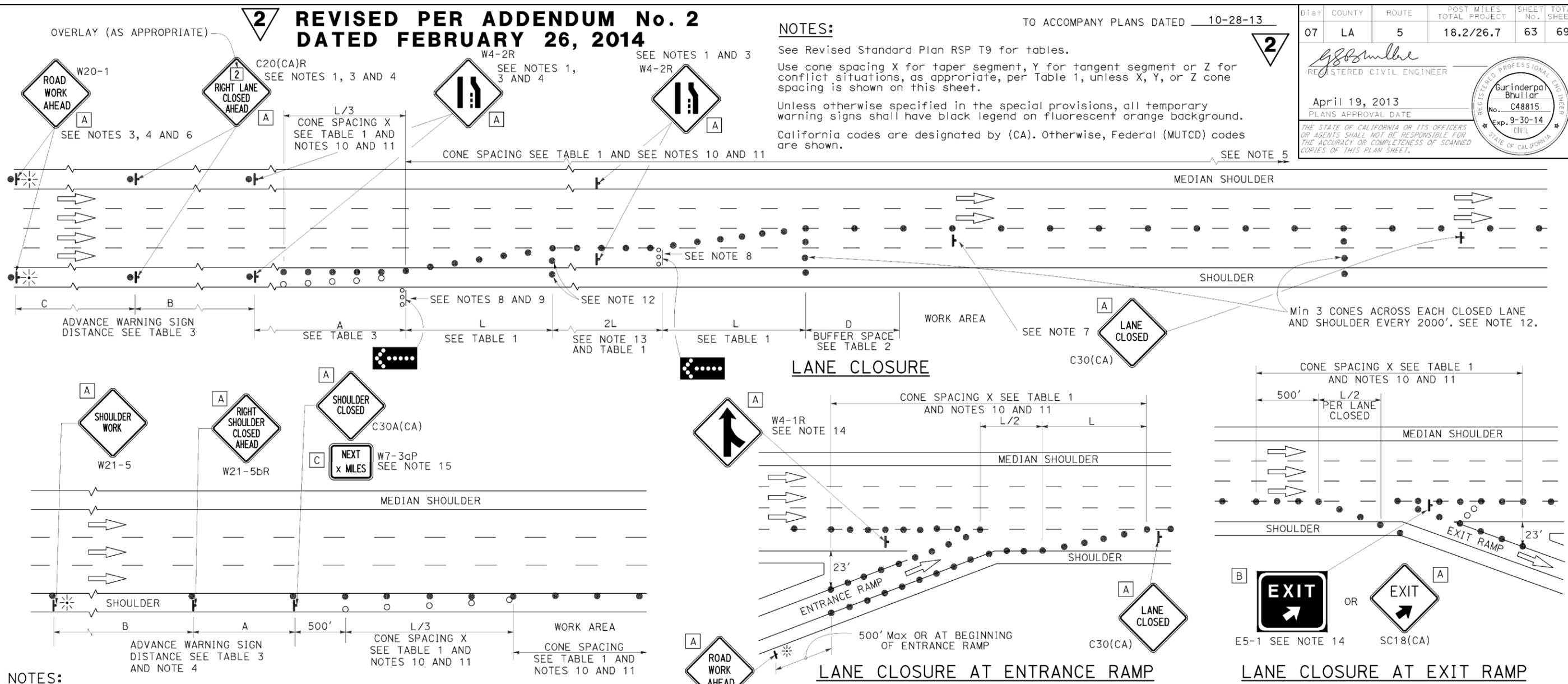
REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

**REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

TO ACCOMPANY PLANS DATED 10-28-13

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:**
- Median lane closures shall conform to the details as shown except that C20(CA) 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 closures.
 - Duplicate sign installations are not required:
 - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 - 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.
 - 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**
- 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.
 - Place a C30(CA) sign every 2000' throughout length of lane closure.
 - One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
 - 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.
 - 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.

- 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.
- 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.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- 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

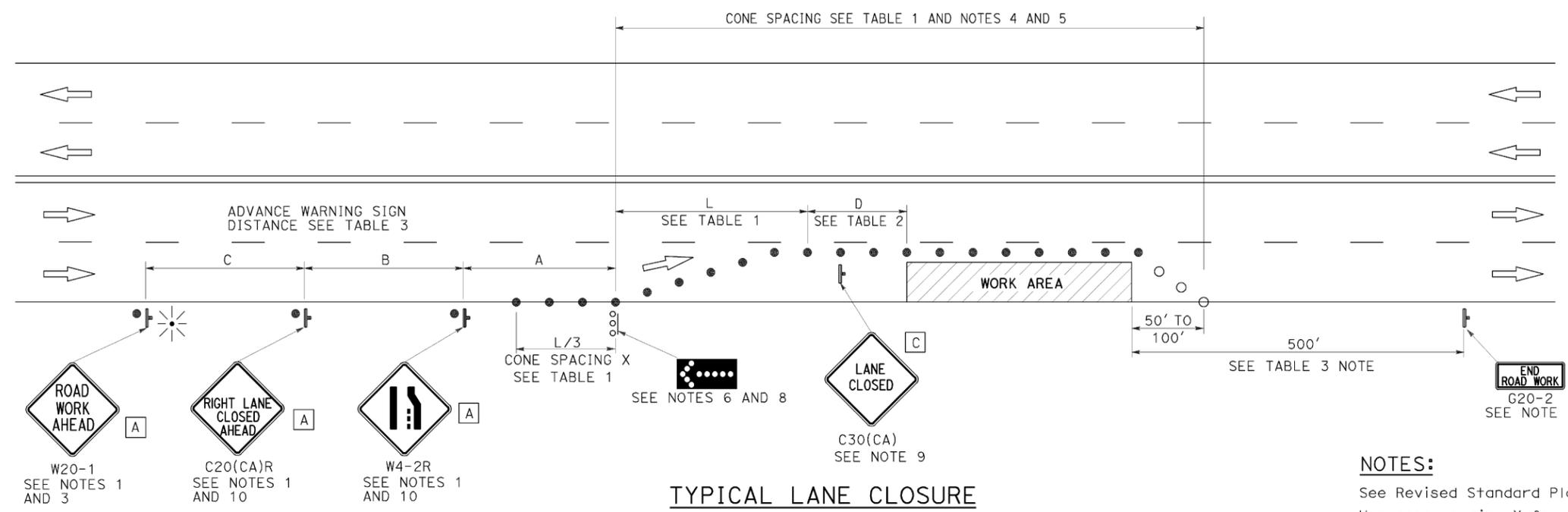
2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	64	69

g80smllbr
 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.

Gurinderpal Bhuilal
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 10-28-13



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.

2 REVISED PER ADDENDUM No. 2 DATED FEBRUARY 26, 2014

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

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

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	65	69

g80smllne
REGISTERED CIVIL ENGINEER

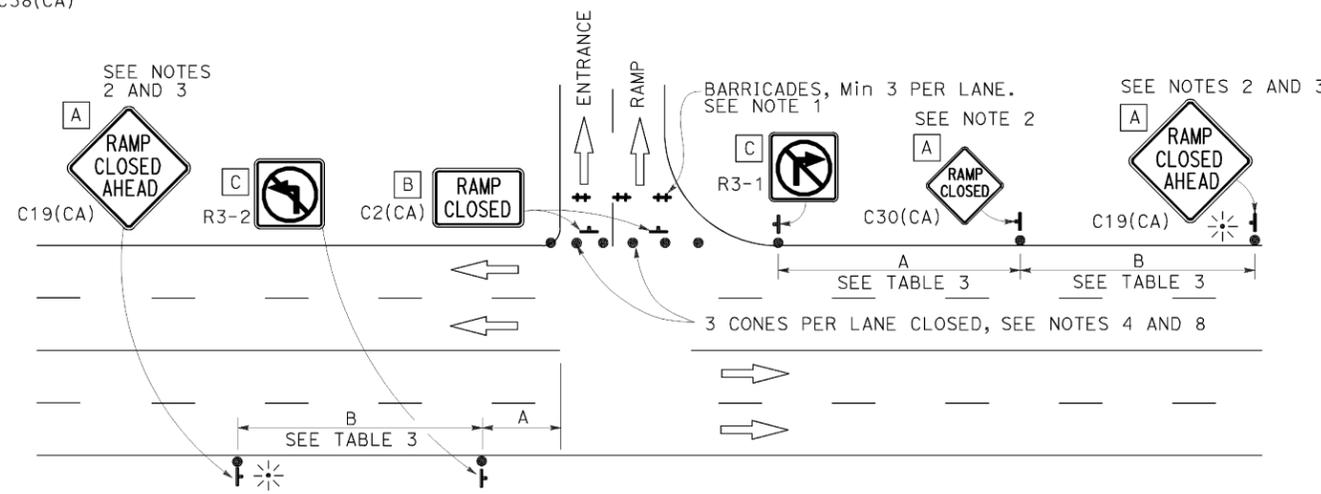
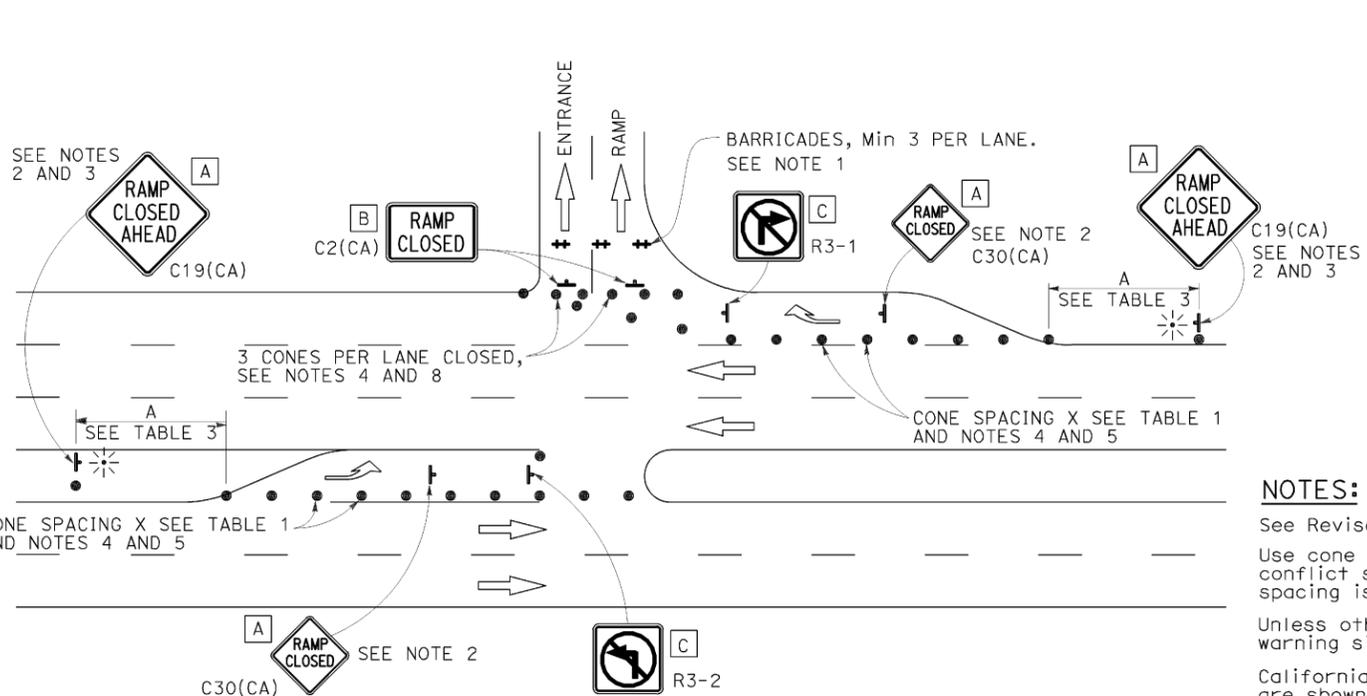
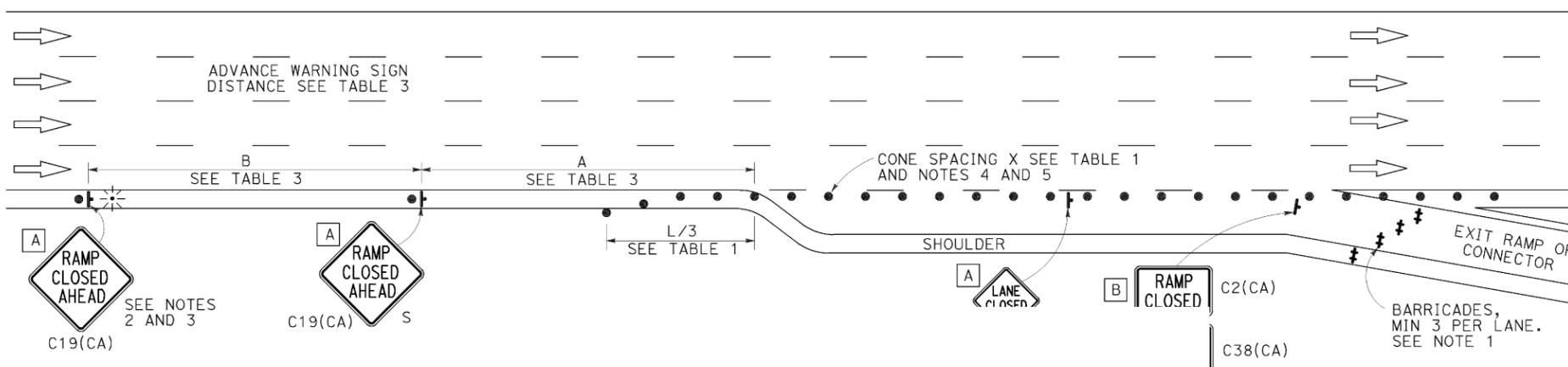
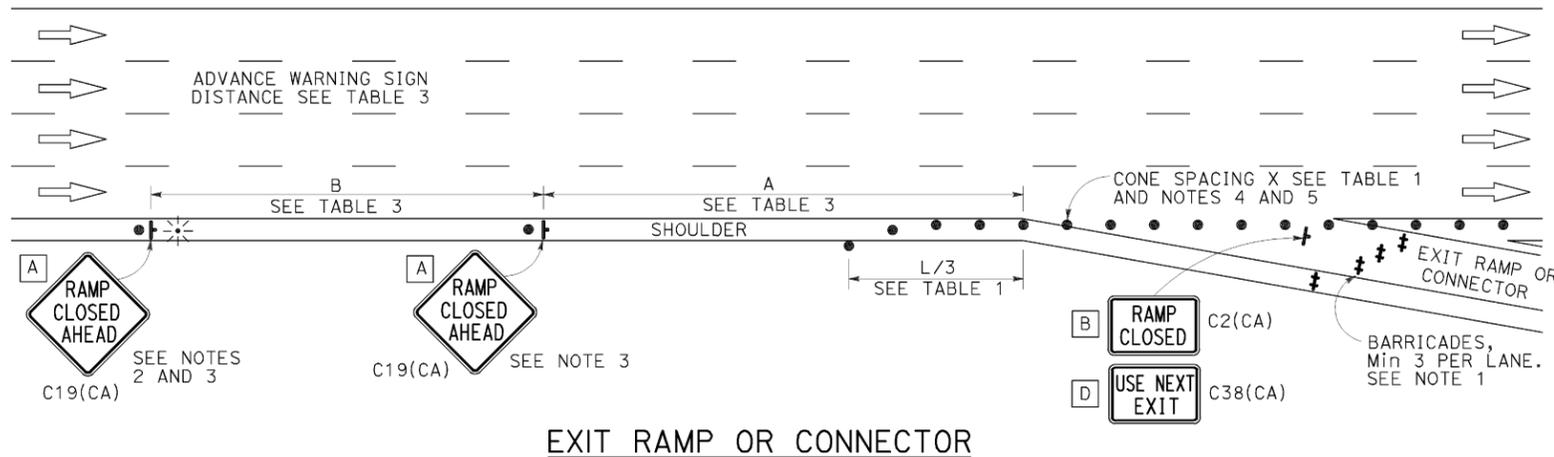
April 19, 2013
PLANS APPROVAL DATE

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

TO ACCOMPANY PLANS DATED 10-28-13

NOTES:

- 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.
- 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.
- 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.
- All cones used for ramp 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 ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



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.

ENTRANCE RAMP WITHOUT TURNING POCKETS

ENTRANCE RAMP WITH TURNING POCKETS

2

REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014

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

2010 REVISED STANDARD PLAN RSP T14

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL	M/M	MULTIPLE TO MULTIPLE TRANSFORMER
BBS	BATTERY BACKUP SYSTEM	Mtg	MOUNTING
BC	BOLT CIRCLE	MV	MERCURY VAPOR LIGHTING FIXTURE
BPB	BICYCLE PUSH BUTTON	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
C	CONDUIT	N	NEUTRAL (GROUNDED CONDUCTOR)
CB	CIRCUIT BREAKER	NB	NEUTRAL BUS
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSE
Ckt	CIRCUIT	NO	NORMALLY OPEN
CMS	CHANGEABLE MESSAGE SIGN	P	CIRCUIT BREAKER'S POLE
Ctid	CALTRANS IDENTIFICATION	PB	PULL BOX
Comm	COMMUNICATION	PBA	PUSH BUTTON ASSEMBLY
DLC	LOOP DETECTOR LEAD-IN CABLE	PEC	PHOTOELECTRIC CONTROL
EMS	EXTINGUISHABLE MESSAGE SIGN	Ped	PEDESTRIAN
EVUC	EMERGENCY VEHICLE UNIT CABLE	PEU	PHOTOELECTRIC UNIT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	PT	CONDUIT WITH PULL TAPE
FB	FLASHING BEACON	RE	RELOCATED EQUIPMENT
FBCA	FLASHING BEACON CONTROL ASSEMBLY	RM	RAMP METERING
FBS	FLASHING BEACON WITH SLIP BASE	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FO	FIBER OPTIC	SB	SLIP BASE
G	EQUIPMENT GROUNDING CONDUCTOR	SIC	SIGNAL INTERCONNECT CABLE
GB	GROUND BUS	Sig	SIGNAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SMA	SIGNAL MAST ARM
HAR	HIGHWAY ADVISORY RADIO	SNS	STREET NAME SIGN
Hex	HEXAGONAL	SP	SERVICE POINT
HPS	HIGH PRESSURE SODIUM	TDC	TELEPHONE DEMARCATION CABINET
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TMS	TRAFFIC MONITORING STATION
ISL	INDUCTION SIGN LIGHTING	TOS	TRAFFIC OPERATIONS SYSTEM
LED	LIGHT EMITTING DIODE	Veh	VEHICLE
LMA	LUMINAIRE MAST ARM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
LPS	LOW PRESSURE SODIUM	WIM	WEIGH-IN-MOTION
Ltg	LIGHTING	Xfmr	TRANSFORMER
Lum	LUMINAIRE		
M	METERED		
MAT	MAST ARM MOUNTING TOP ATTACHMENT		
MAS	MAST ARM MOUNTING SIDE ATTACHMENT		

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

- HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	18.2/26.7	66	69
<i>Theresa Gabriel</i> REGISTERED ELECTRICAL ENGINEER					
July 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 10-28-13

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:

Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
v	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2 **REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

2010 REVISED STANDARD PLAN RSP ES-1A



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	67	69

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER
July 19, 2013
PLANS APPROVAL DATE

Theresa Aziz Gabriel
REGISTERED PROFESSIONAL ENGINEER
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 10-28-13

CONDUIT

NEW	EXISTING	
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
---	---	TRAFFIC SIGNAL CONDUIT
---C---	---c---	COMMUNICATION CONDUIT
---T---	---+---	TELEPHONE CONDUIT
---F---	---f---	FIRE ALARM CONDUIT
---FO---	---fo---	FIBER OPTIC CONDUIT
---	---	CONDUIT TERMINATION
		CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

SIGNAL EQUIPMENT

NEW	EXISTING	
		PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
		MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

SERVICE EQUIPMENT

NEW	EXISTING	
---OH---	---oh---	OVERHEAD LINES
		WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
		SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
		TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

	TYPE H SERVICE, 28'-10"	TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE
--	-------------------------	--

FLASHING BEACON

NEW	EXISTING	
		FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
		FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
		FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B
DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

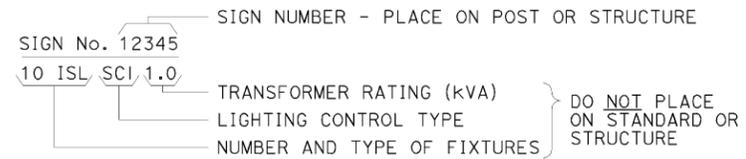


**REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

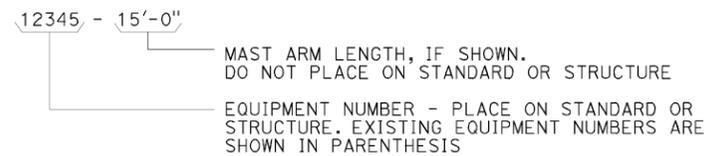
2010 REVISED STANDARD PLAN RSP ES-1B

EQUIPMENT IDENTIFICATION

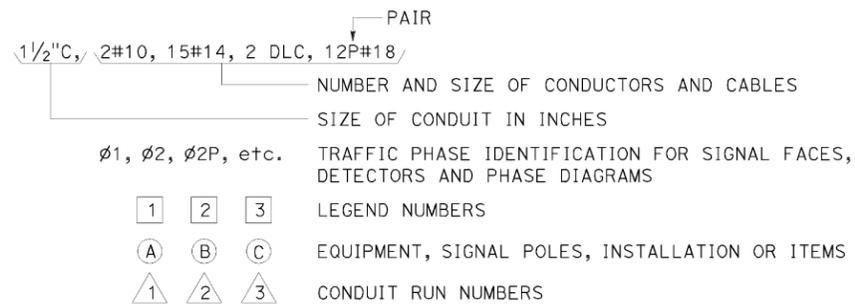
ILLUMINATED SIGN IDENTIFICATION NUMBER:



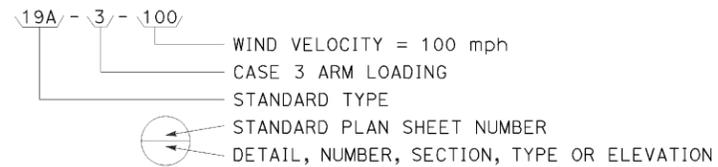
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



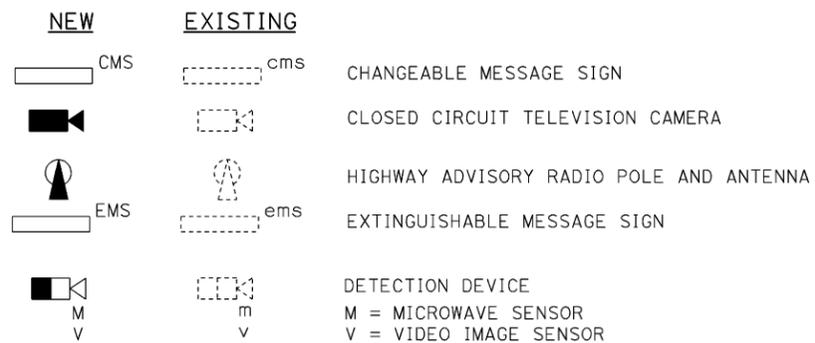
CONDUIT AND CONDUCTOR IDENTIFICATION:



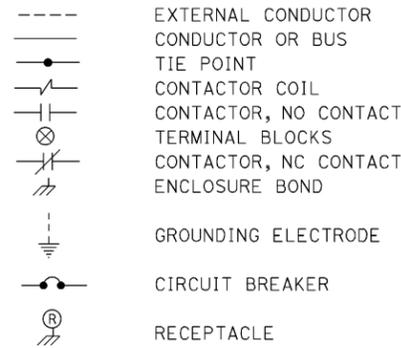
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



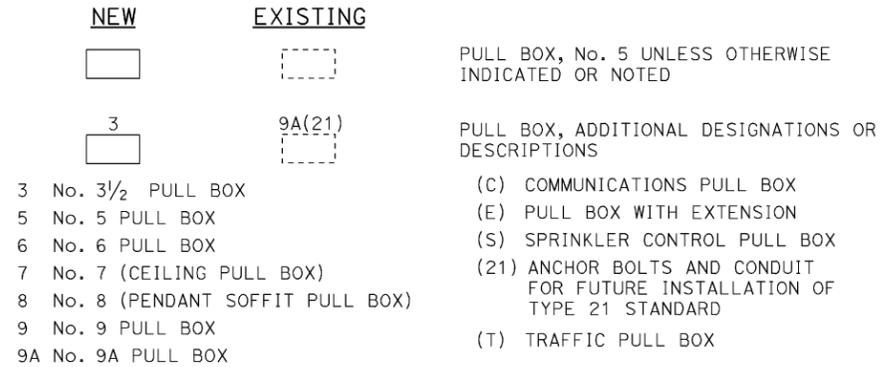
MISCELLANEOUS EQUIPMENT



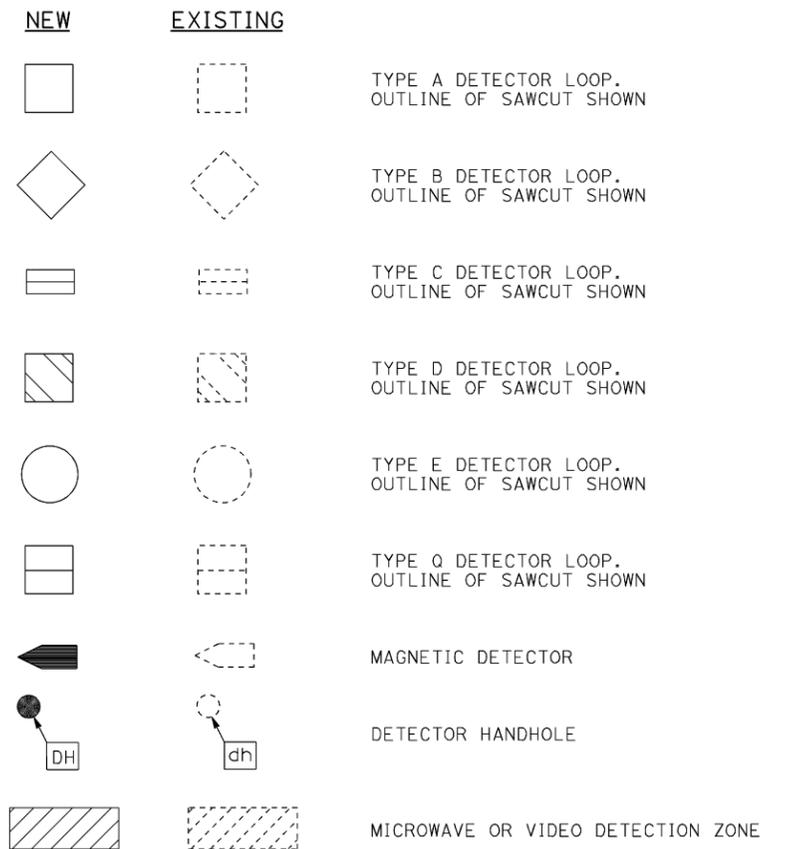
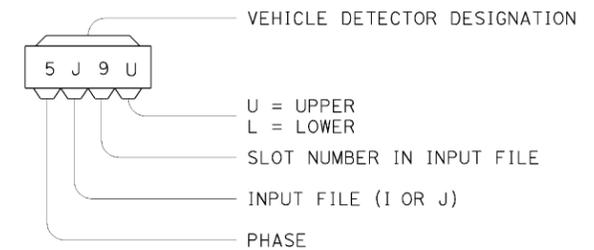
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**

NO SCALE

2 REVISED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014

REVISED STANDARD PLAN RSP ES-1C

RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C
DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

2

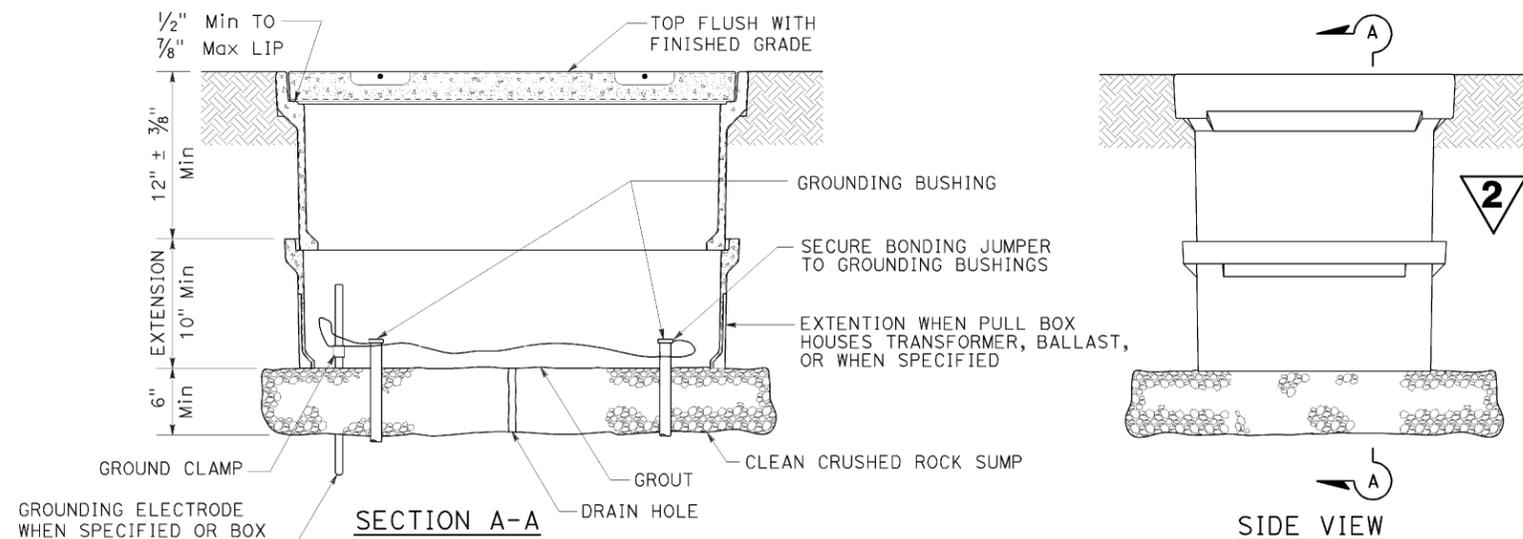
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	18.2/26.7	69	69
<p>Theresa Gabriel REGISTERED ELECTRICAL ENGINEER</p> <p>July 19, 2013 PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>					
<p>REGISTERED PROFESSIONAL ENGINEER Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL STATE OF CALIFORNIA</p>					

**ADDED PER ADDENDUM No. 2
DATED FEBRUARY 26, 2014**

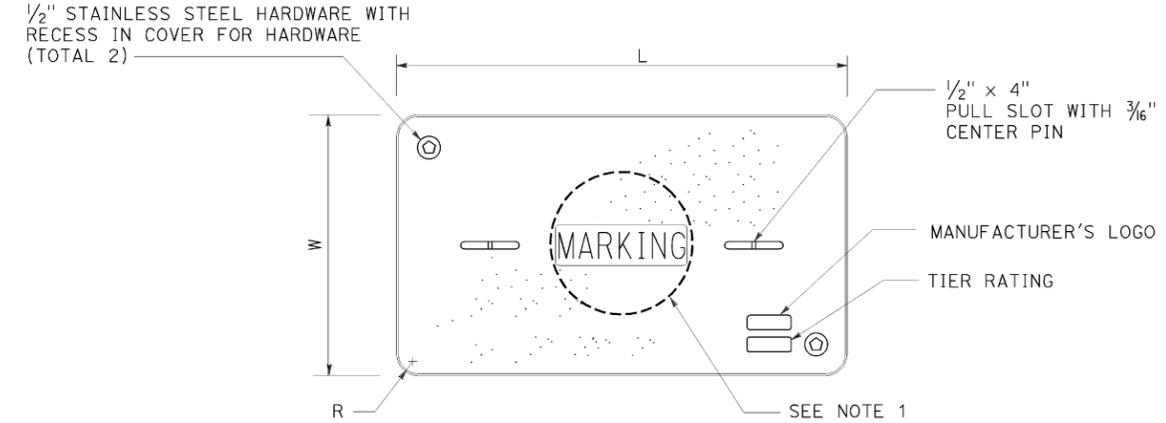
TO ACCOMPANY PLANS DATED 10-28-13

NOTES:

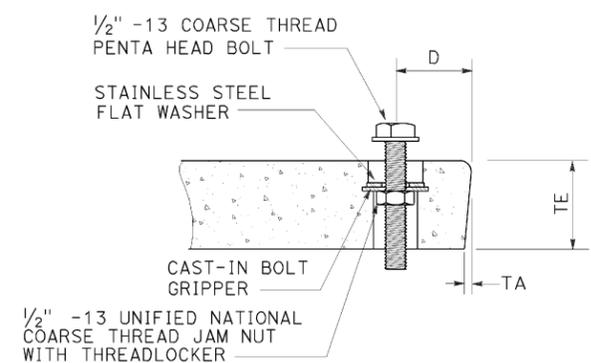
- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting 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 lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting 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.
 - "BOOSTER PUMP" - Booster pump circuit.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8". Top outside radius of covers and pull boxes shall 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.
- All dimensions for the cover for non-traffic pull box are nominal values.



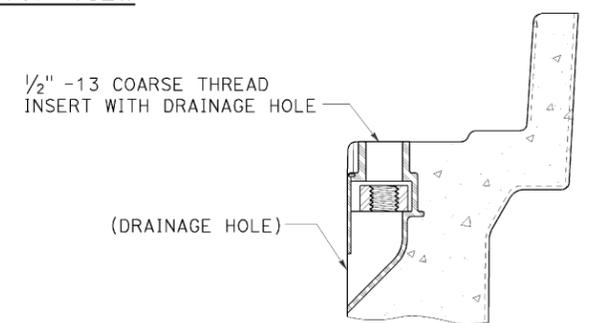
**INSTALLATION DETAILS
DETAIL A**



COVER TOP VIEW



**TYPICAL COVER CAPTIVE BOLT
OR SIMILAR**



**TYPICAL THREADED INSERT
OR SIMILAR**

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
(NON-TRAFFIC PULL BOX)**
NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A