

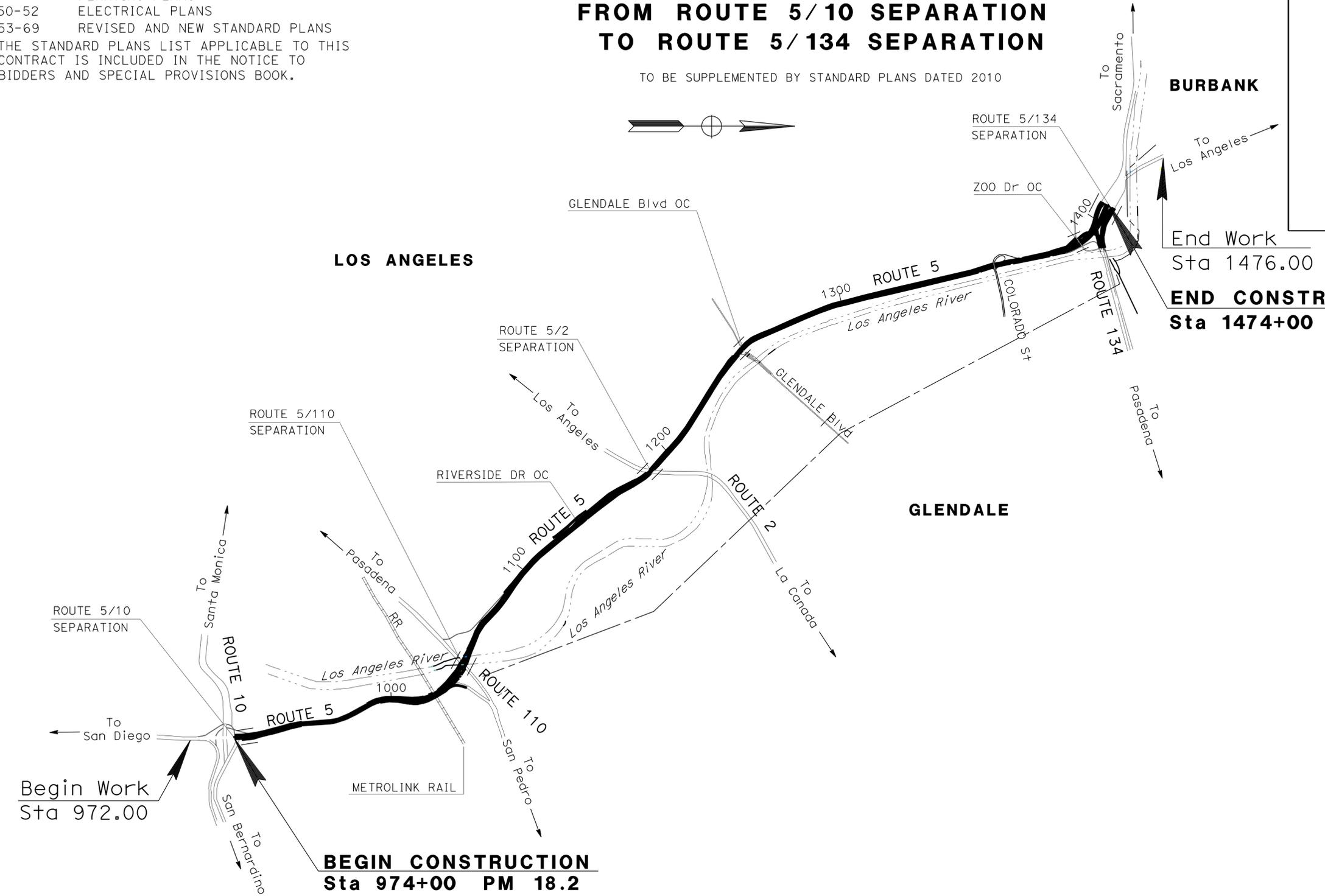
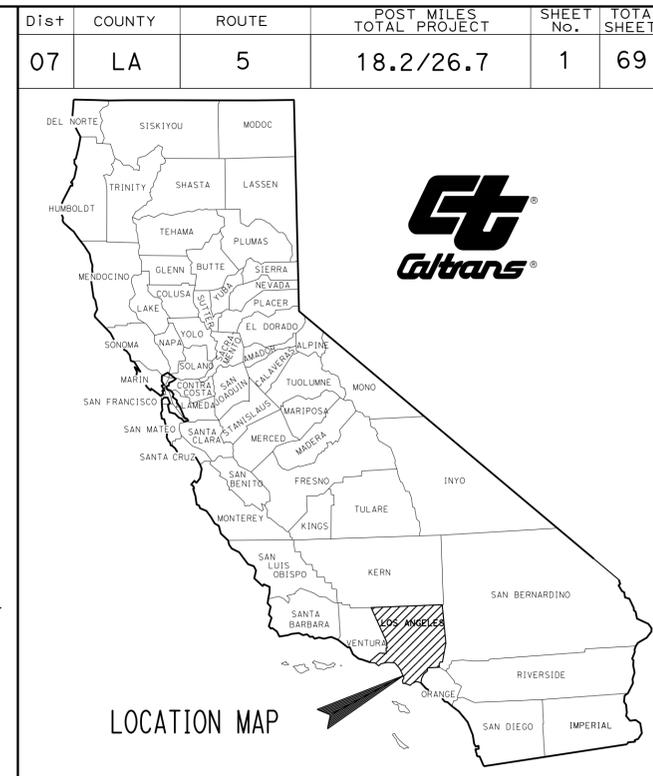
INDEX OF PLANS

| SHEET | DESCRIPTION: |
|-------|--------------------------------|
| 1 | TITLE AND LOCATION MAP |
| 2 | CONSTRUCTION DETAIL |
| 3 | CONSTRUCTION AREA SIGN |
| 4-8 | TRAFFIC HANDLING DETAILS |
| 9 | SUMMARY OF QUANTITIES |
| 10-28 | IRRIGATION PLANS |
| 29-30 | IRRIGATION QUANTITIES |
| 31 | PLANT LEGEND |
| 32-49 | PLANTING PLANS |
| 50-52 | ELECTRICAL PLANS |
| 53-69 | REVISED AND NEW 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

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



BURBANK

To Sacramento

To Los Angeles

End Work
Sta 1476.00

END CONSTRUCTION
Sta 1474+00 PM 26.7

LOS ANGELES

GLENDALE

Begin Work
Sta 972.00

BEGIN CONSTRUCTION
Sta 974+00 PM 18.2

PROJECT MANAGER
DAVID H. MIRAANEY

DESIGN ENGINEER
KEITH SELLERS

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 | 070002087 |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

| | |
|------------------------|------------------|
| FUNCTIONAL SUPERVISOR | GRISH BICLIARIAN |
| CALCULATED/DESIGNED BY | CHECKED BY |
| SHAHAN PETROSIAN | JENNIFER NGUYEN |
| REVISOR | DATE |
| | |

USERNAME => s125624
 DGN FILE => 07000208711a001.dgn

BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE
 IS IN INCHES

UNIT 2124

PROJECT NUMBER & PHASE

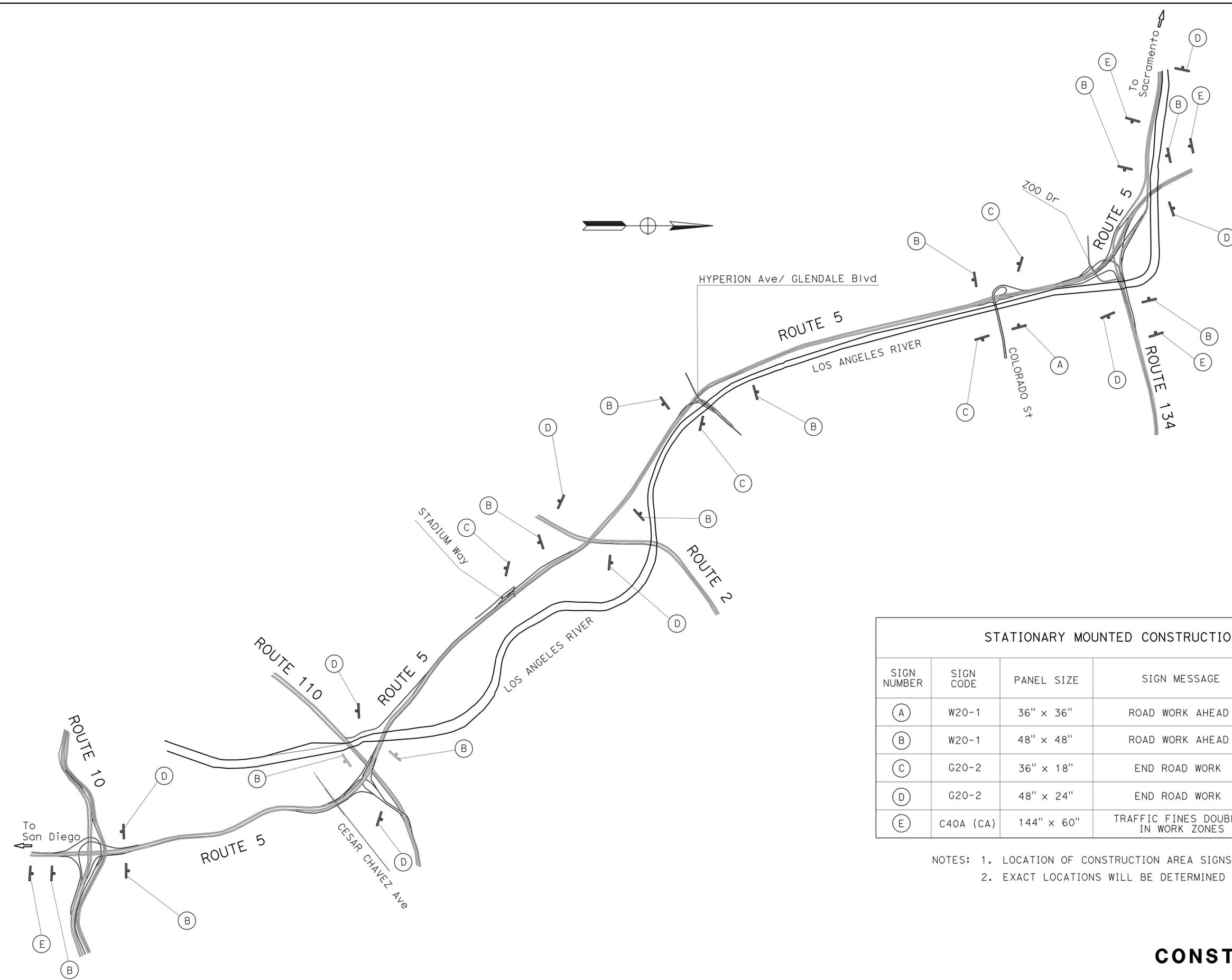
0700020871

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| 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.

CONSTRUCTION AREA SIGN

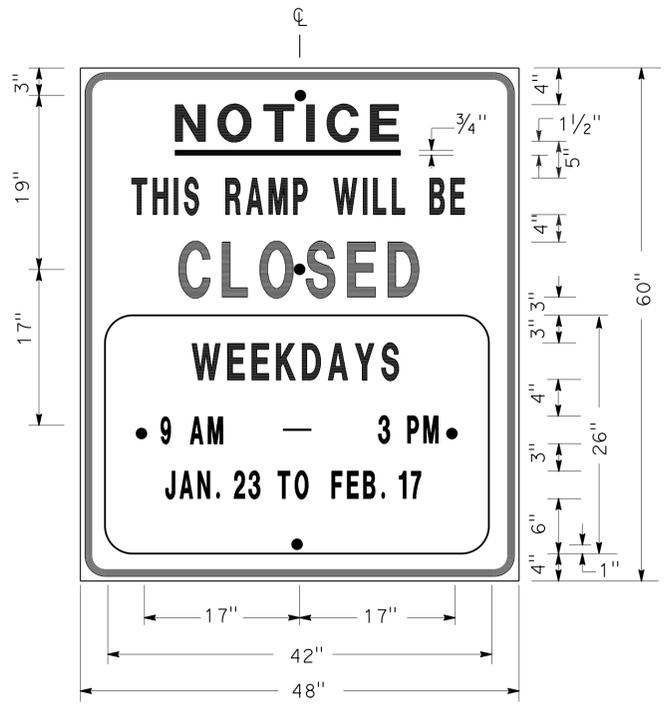
NO SCALE

CS-1

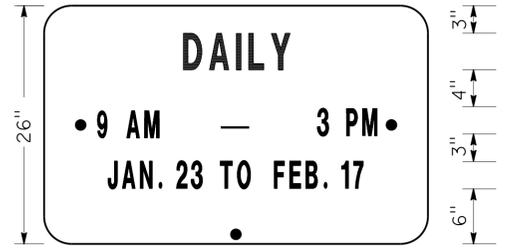
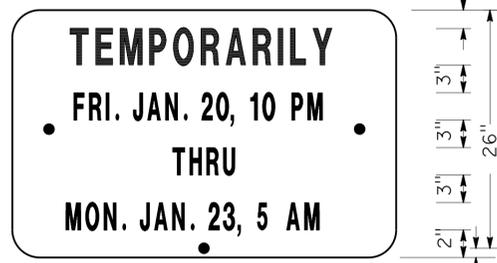
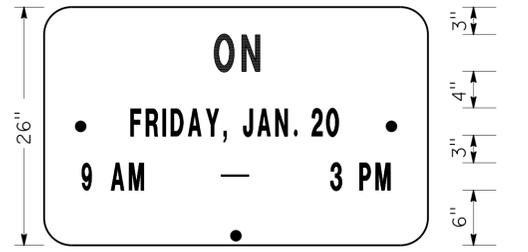
LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:30

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



SIGN SP-1



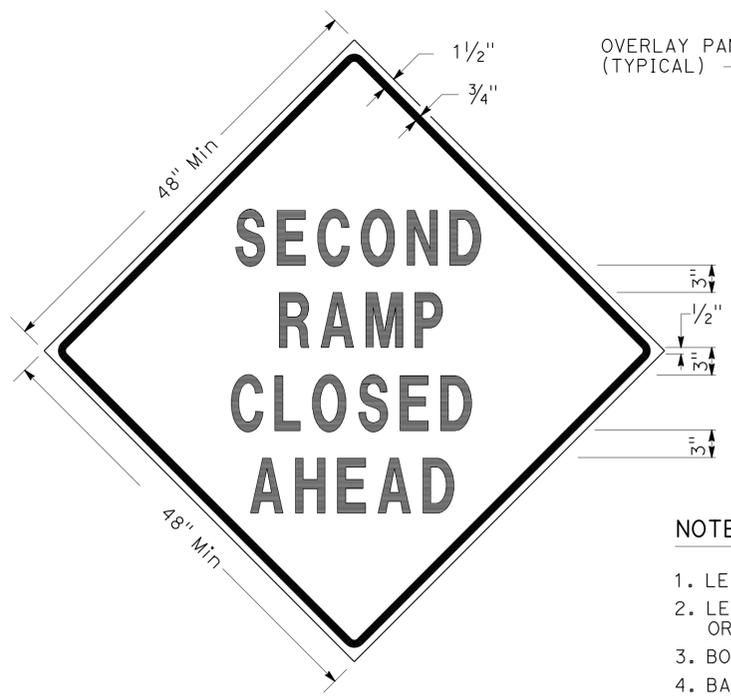
ALTERNATE OVERLAY PANELS (TYPICAL)

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

| SIZE | BORDER WIDTH | MARGIN WIDTH | LETTER SIZE | | | | | CORNER RADIUS |
|---------|--------------|--------------|-------------|---------|--------|--------|-----------------|---------------|
| | | | LINE 1 | LINE 2* | LINE 3 | LINE 4 | LINE 5, 6, & 7* | |
| 48"x60" | 1 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



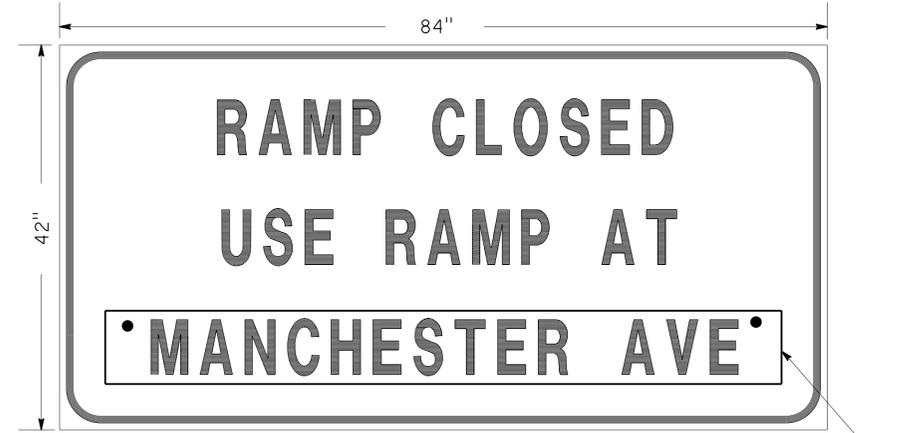
SIGN SP-3



SIGN SP-5

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

SPECIAL SIGNS FOR EXIT RAMP CLOSURES



SIGN SP-4

- NOTES: SIGN SP-4
- LETTERS - 6" SERIES C.
 - LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED WHITE BACKGROUND.
 - BOLT HOLES SHALL BE 3/8" DIAMETER.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH RSP T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

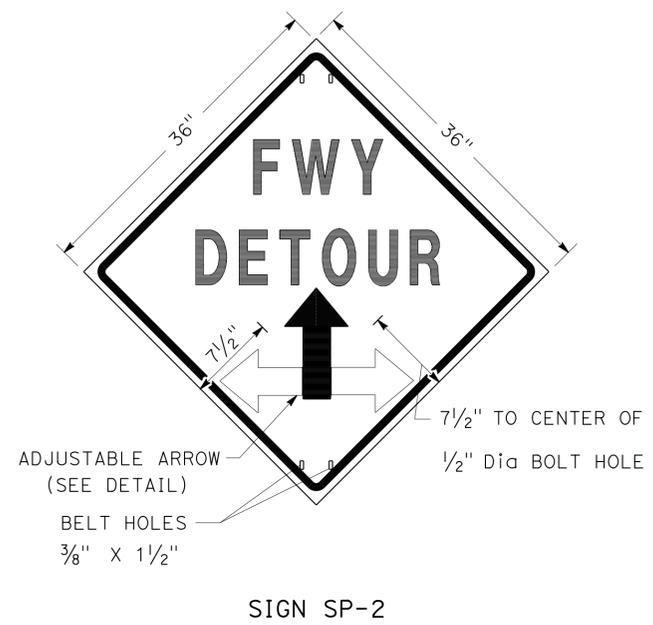
**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS,
 AND MISCELLANEOUS DETAILS**

SHEET 1 OF 2

NO SCALE

THD-1

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



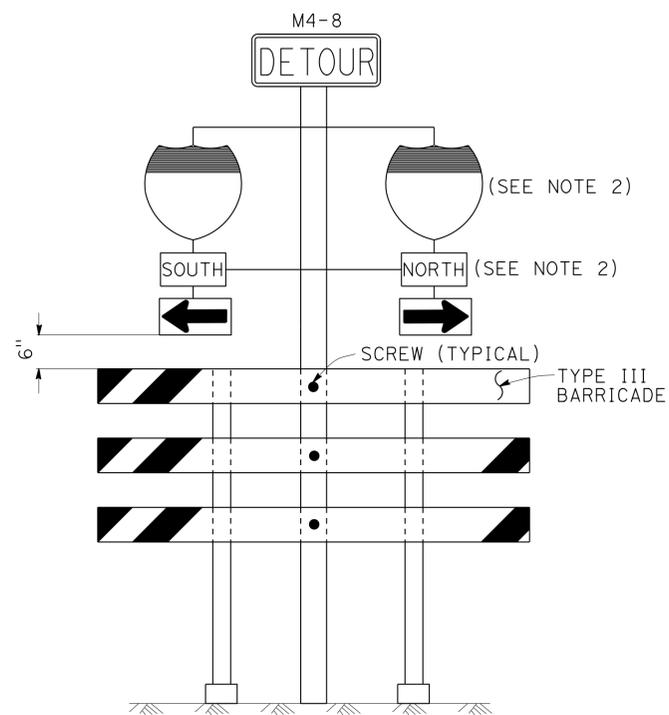
SIGN SP-2

NOTES: SIGN SP-2

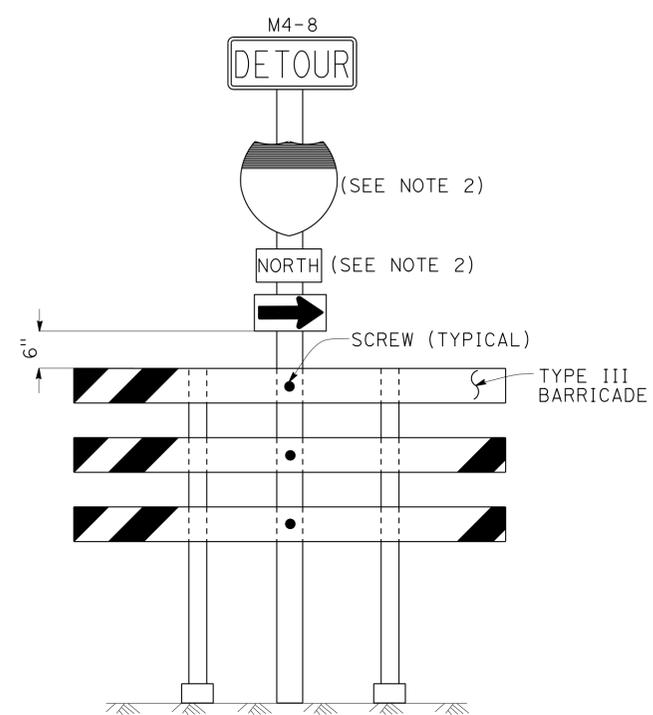
- LETTERS - 6" SERIES E.
- LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
- BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
- BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
- SIGNS SHALL BE MOUNTED WITH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

ABBREVIATION

(CA) CALIFORNIA CODE



SIGN SP-6 (SEE NOTE 1)

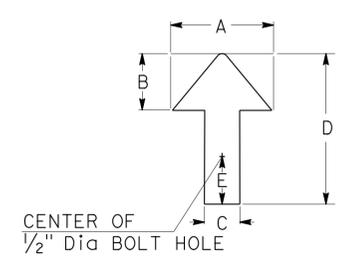


SIGN SP-7 (SEE NOTE 1)

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



| DIMENSIONS | | | | |
|------------|----|----|----|----|
| A | B | C | D | E |
| 6" | 3" | 2" | 8" | 1" |

ADJUSTABLE ARROW DETAIL

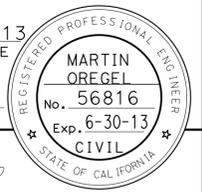
**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR RAMP CLOSURES, DETOUR SIGNS,
AND MISCELLANEOUS DETAILS**

SHEET 2 OF 2

NO SCALE

THD-2

| | | | | | |
|--|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 6 | 69 |
| <i>Martin Oregel</i> 2-11-13 REGISTERED CIVIL ENGINEER DATE | | | | | |
| 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> | | | | | |

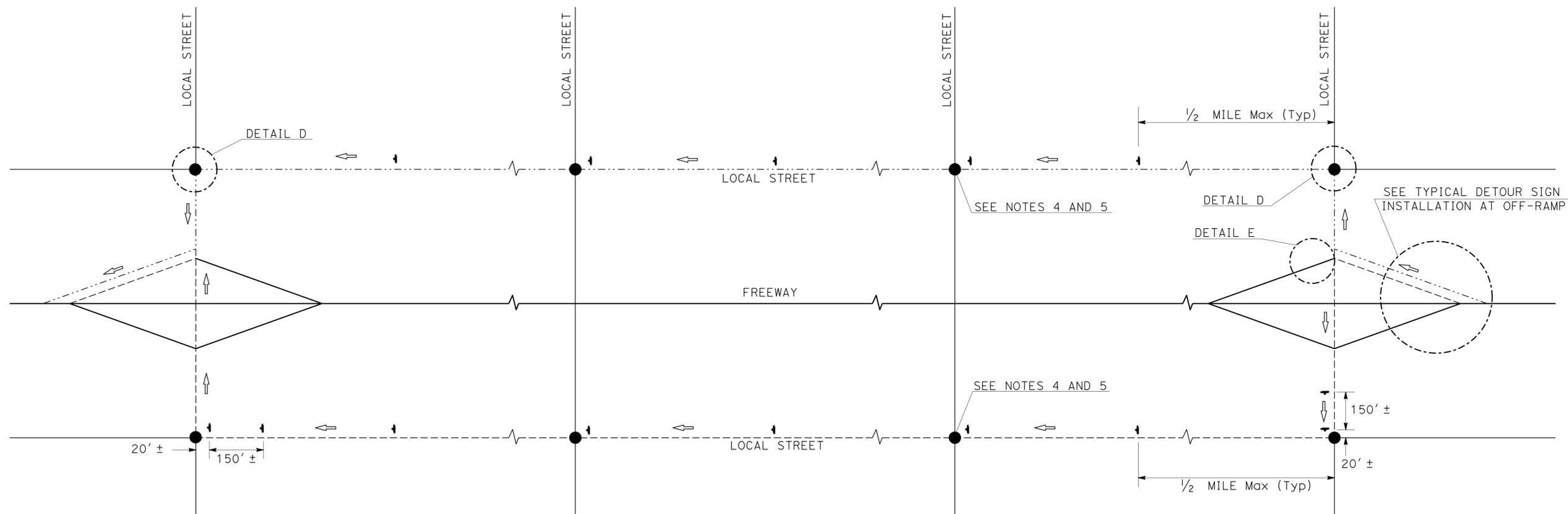


LEGEND

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

NOTES:

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



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 1 OF 3**

NO SCALE

THD-3

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

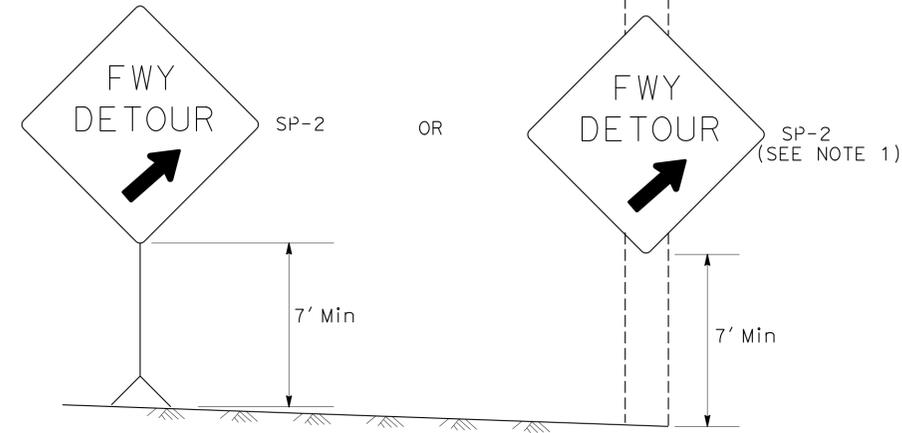


| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 7 | 69 |

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

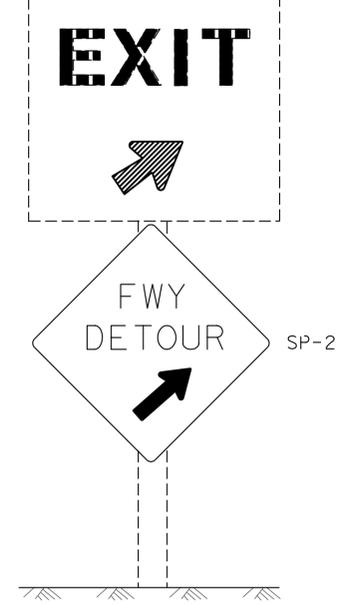
REGISTERED PROFESSIONAL ENGINEER
 MARTIN OREGEL
 No. 56816
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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.



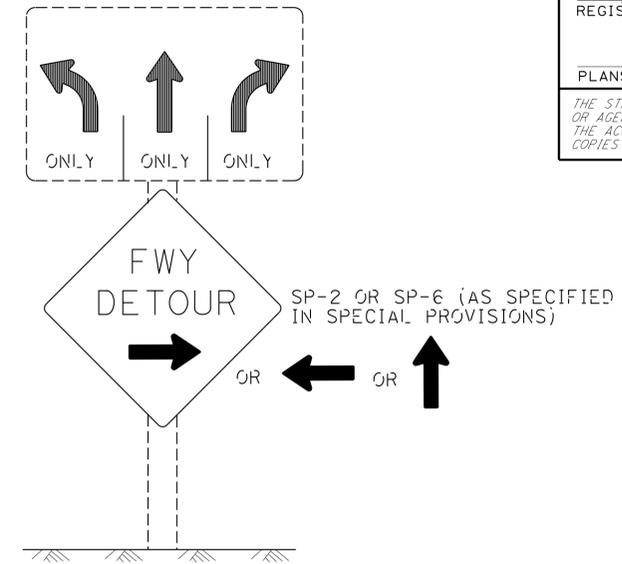
DETAIL A (SEE NOTE 3)

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

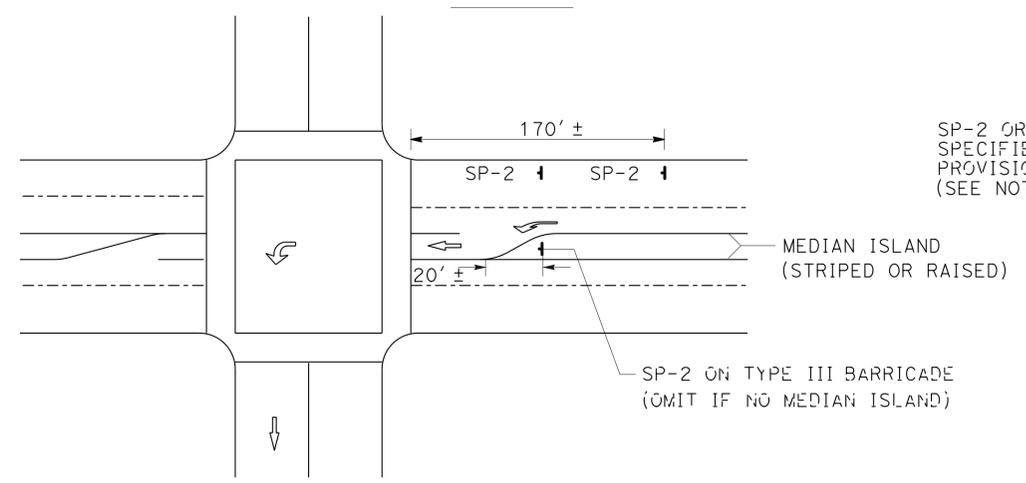


DETAIL B (SEE NOTE 3)

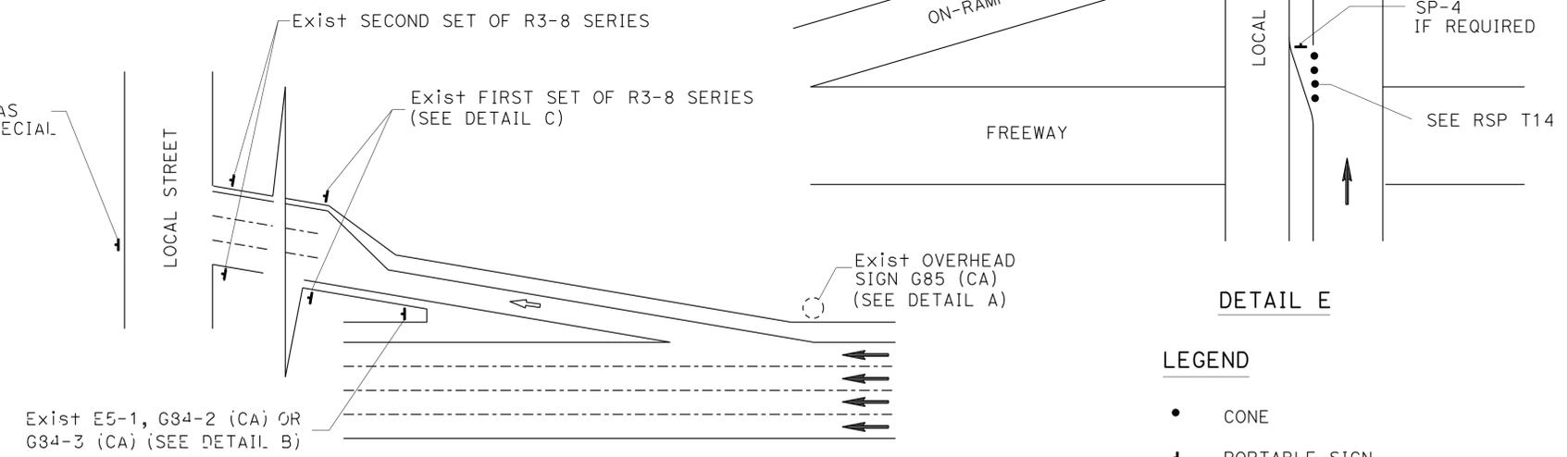
Exist R3-8 SERIES



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



DETAIL D



DETAIL E

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

TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

SIGN CODE LEGEND

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

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

NO SCALE **THD-4**

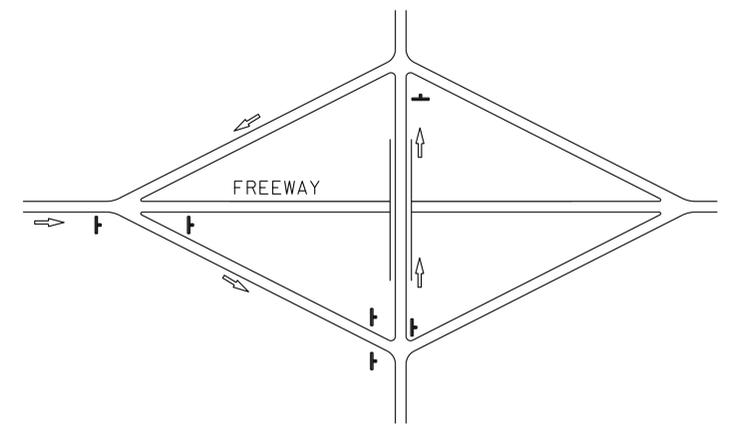
NOTES: SIGN SP-2

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.

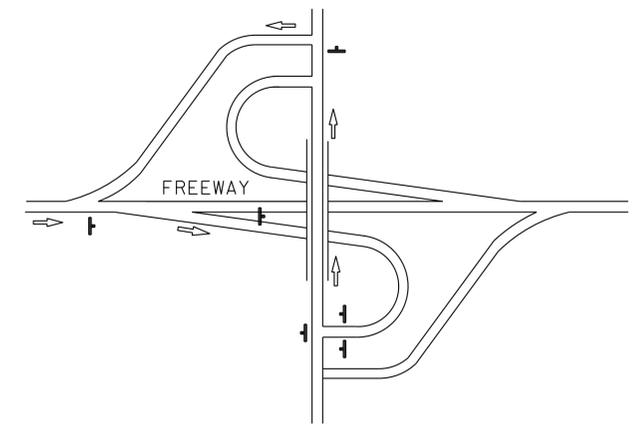
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: JC 3/12
 REVISIONS: ALBERT K YU

LAST REVISION: DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:31:30

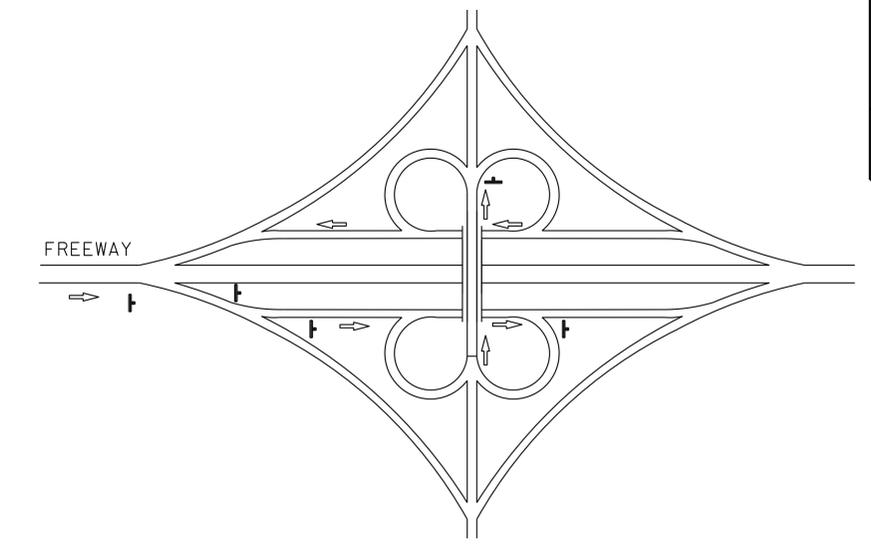
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DT M
 FUNCTIONAL SUPERVISOR
 MARTIN OREGEL
 REVISIONS:
 3/12
 REVISED BY
 JC
 CHECKED BY
 JOCELYN C CHIANG
 DESIGNED BY
 ALBERT K YU



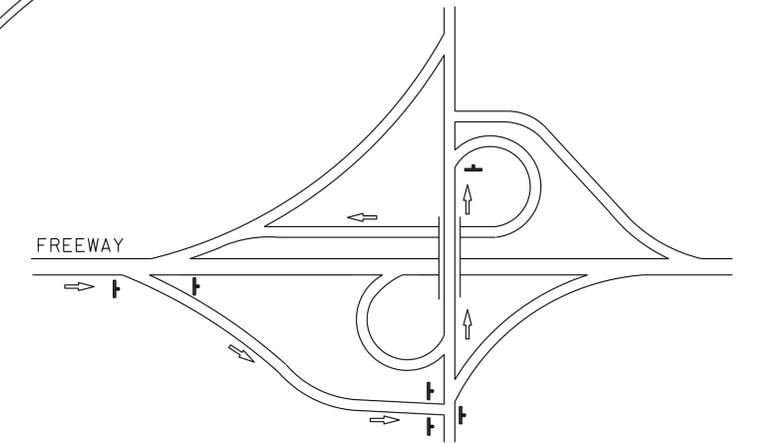
TYPE I



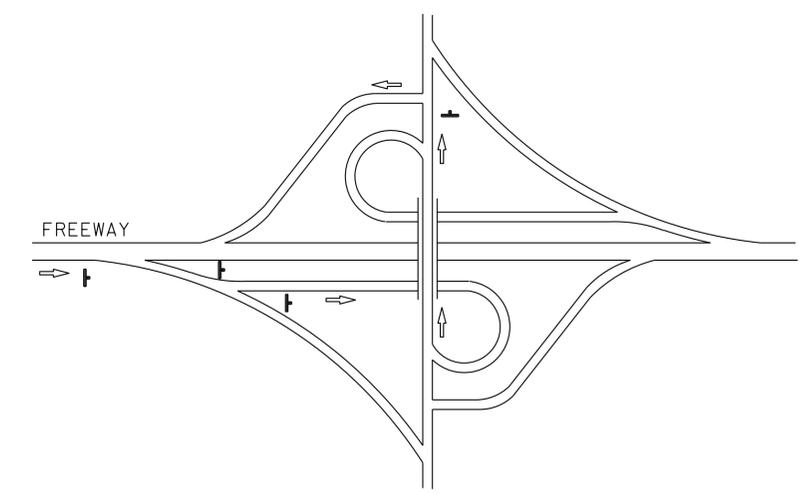
TYPE II



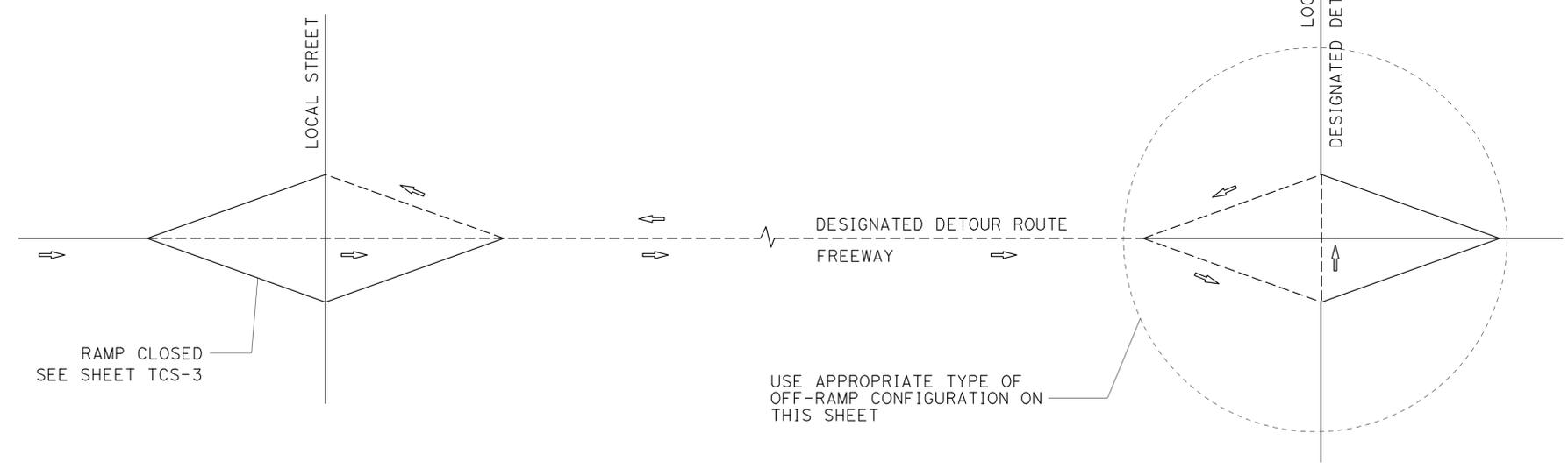
TYPE III



TYPE IV



TYPE V



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

TYPICAL DETOUR SIGN INSTALLATION FOR OFF-RAMP CLOSURE

NOTES:

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

LEGEND

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

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

NO SCALE

THD-5

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| 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

10/28/13
 PLANS APPROVAL DATE

Keith Sellers
 Signature
 04-30-15
 Renewal Date
 04-10-13
 Expiration 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 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) | | | | 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 |

SUMMARY OF QUANTITIES

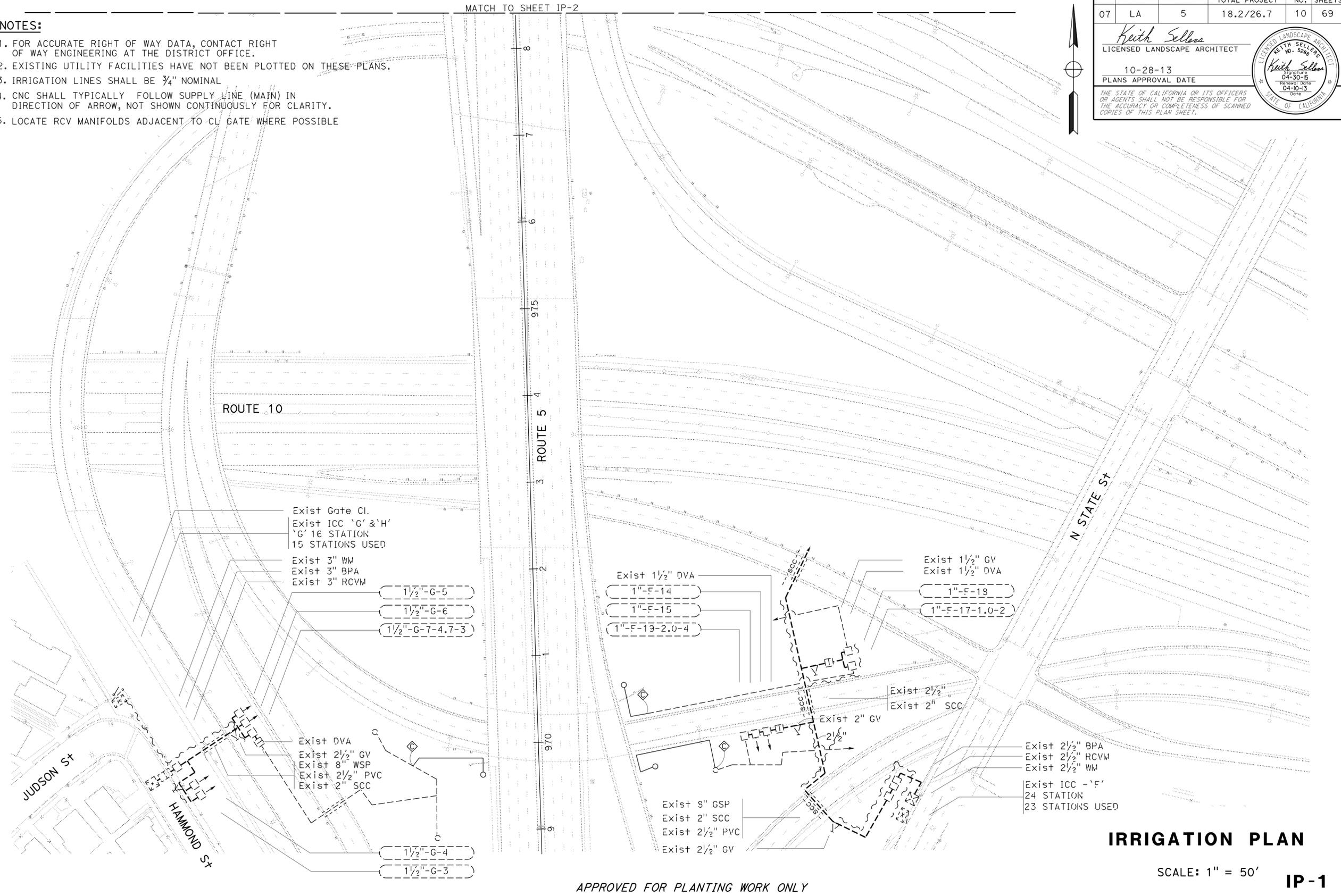
Q-1



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



| 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

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.



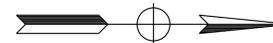
IRRIGATION PLAN
SCALE: 1" = 50'
IP-1

APPROVED FOR PLANTING WORK ONLY

LAST REVISION DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 13:30

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.



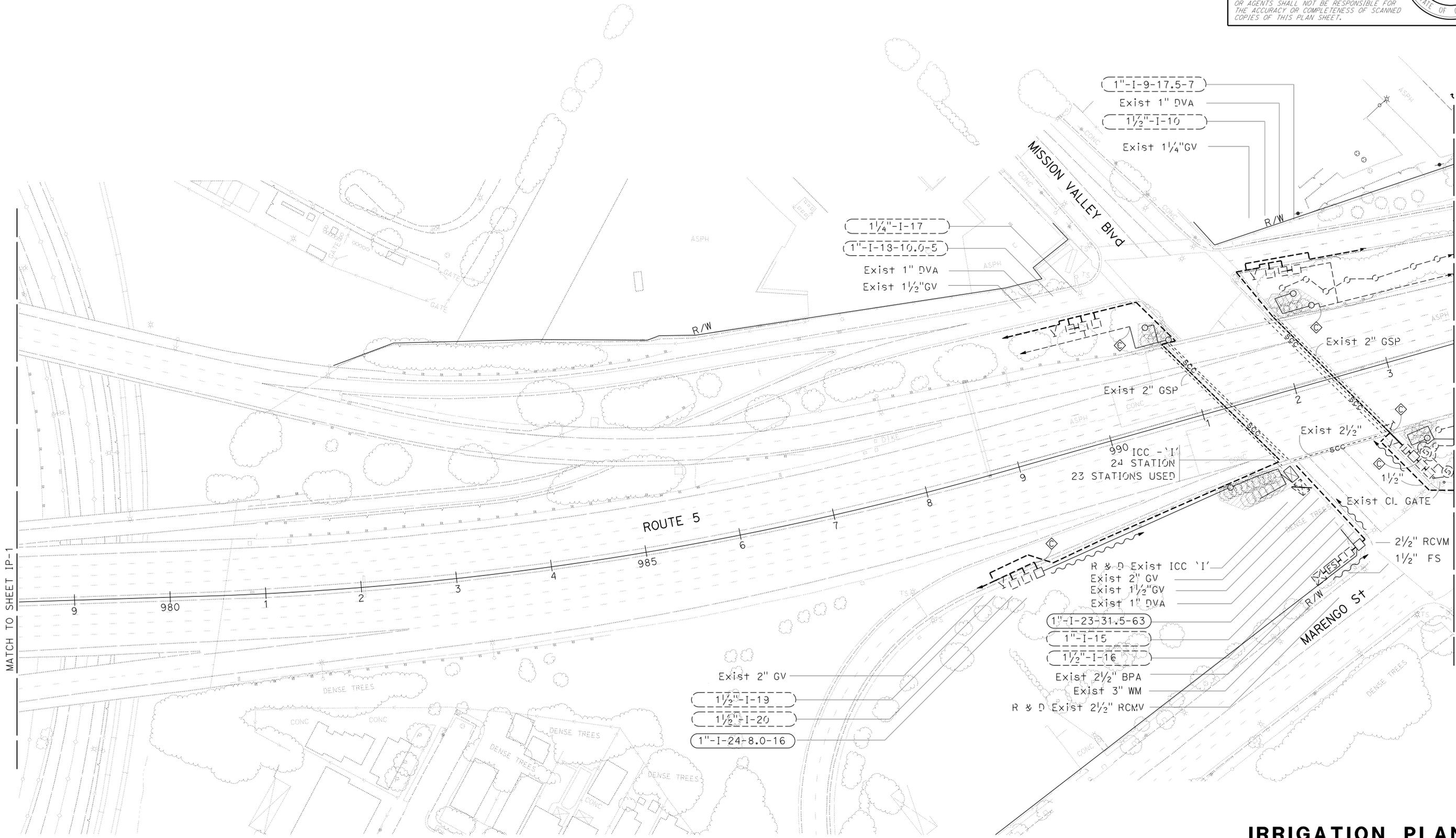
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 11 | 69 |

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 | LANDSCAPE ARCHITECTURE | SENIOR LANDSCAPE ARCHITECT | CALCULATED/DESIGNED BY | REVISOR |
| Caltrans | | PATRICIA WATANABE | CHECKED BY | DATE REVISED |
| | | | KARIM SALARI | |
| | | | KEITH SELLERS | |



APPROVED FOR IRRIGATION WORK ONLY

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

LAST REVISION DATE PLOTTED => 21-JAN-2014 00-00-00 TIME PLOTTED => 1:3:30

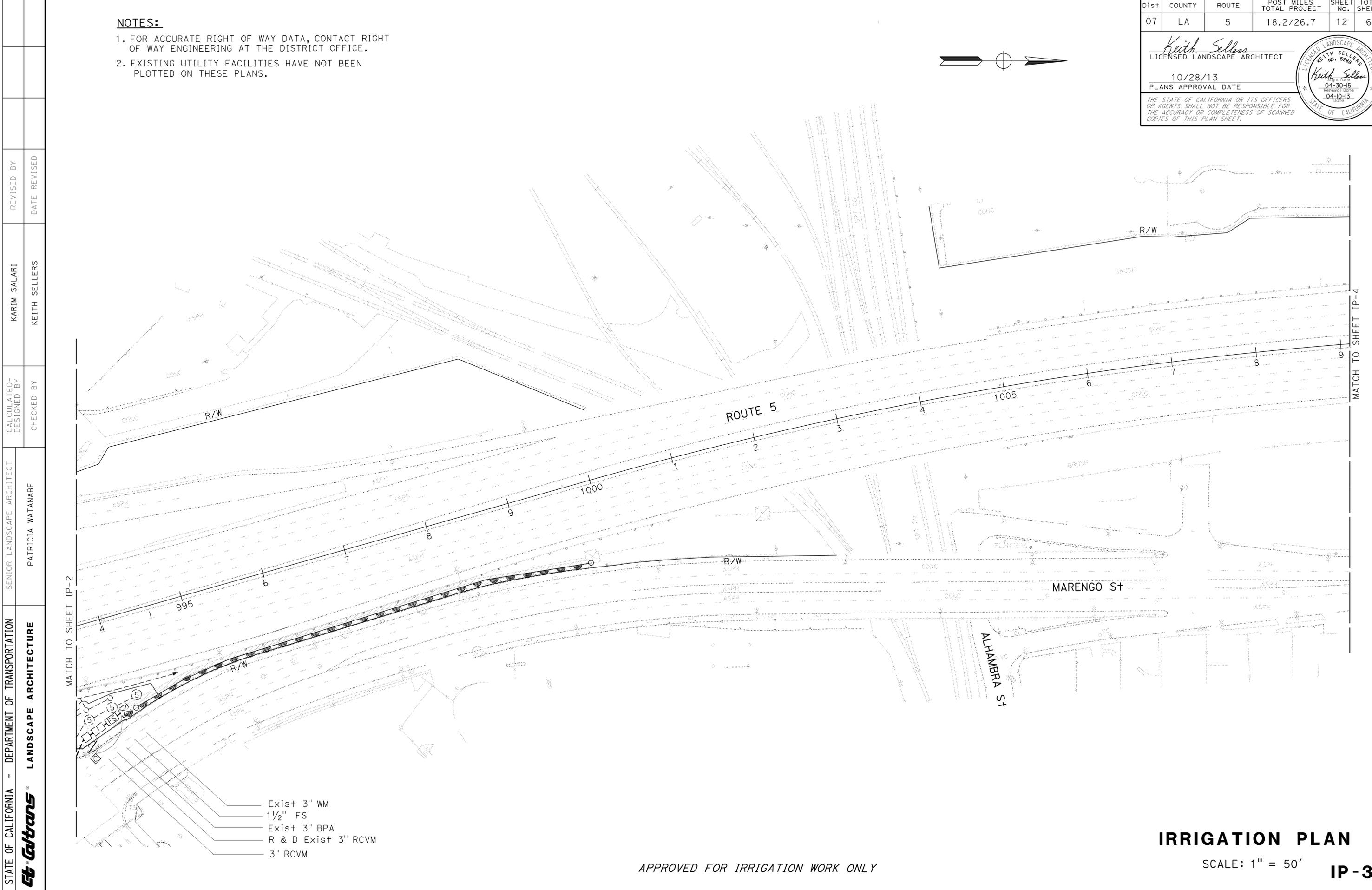
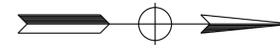
NOTES:

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 | 12 | 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: KEITH SELLERS
 REVISOR BY: KARIM SALARI
 DATE REVISED:

MATCH TO SHEET IP-2

MATCH TO SHEET IP-4

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

APPROVED FOR IRRIGATION WORK ONLY

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

LAST REVISION: DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:3:30

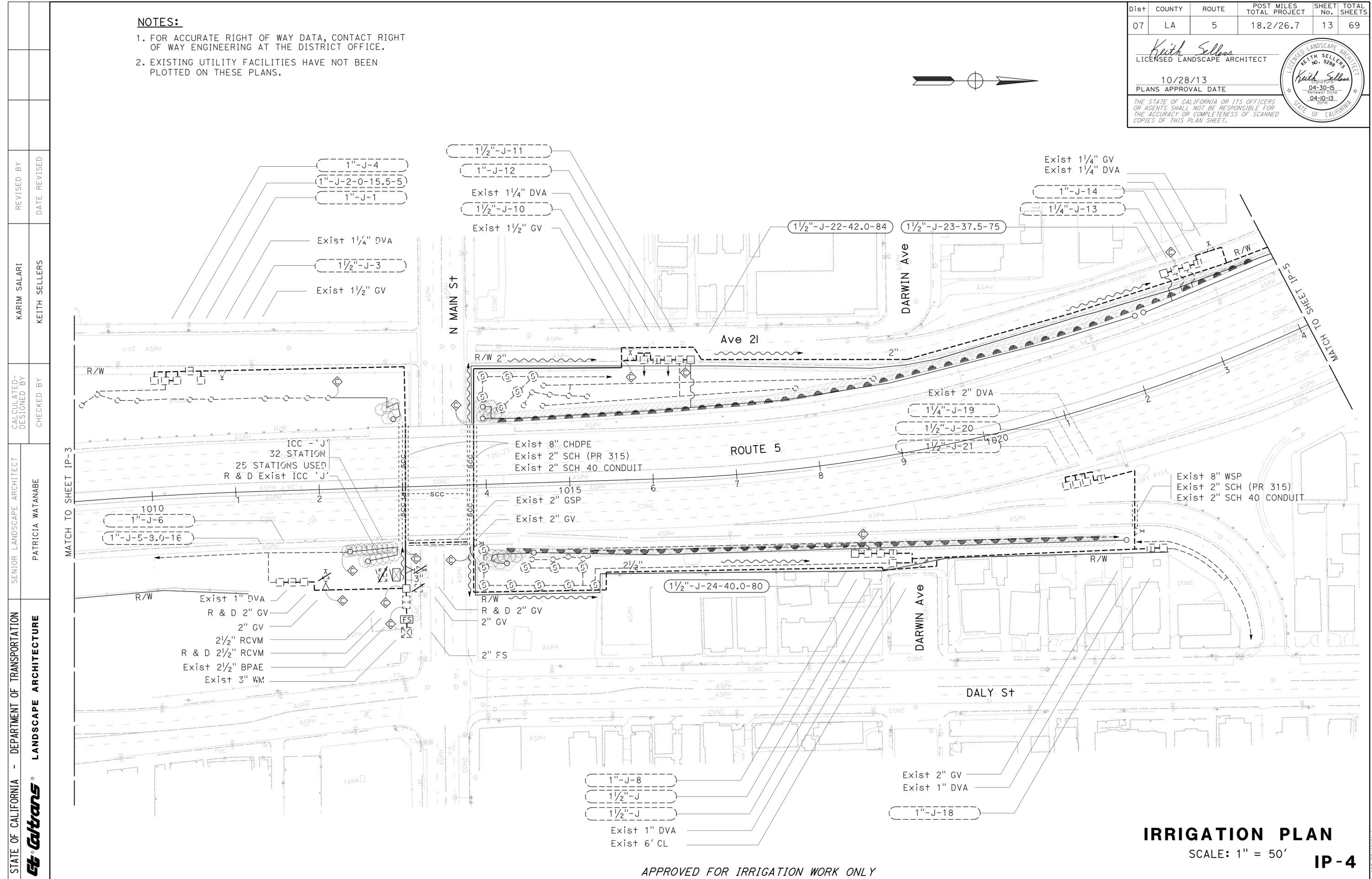
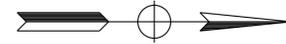
NOTES:

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 | 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: KEITH SELLERS
 CHECKED BY: KEITH SELLERS
 REVISIONS: KARIM SALARI, KEITH SELLERS
 REVISED BY: KEITH SELLERS
 DATE REVISED:

APPROVED FOR IRRIGATION WORK ONLY

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

LAST REVISION: DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 13:30

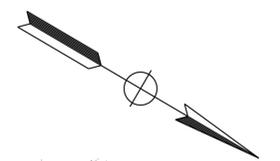
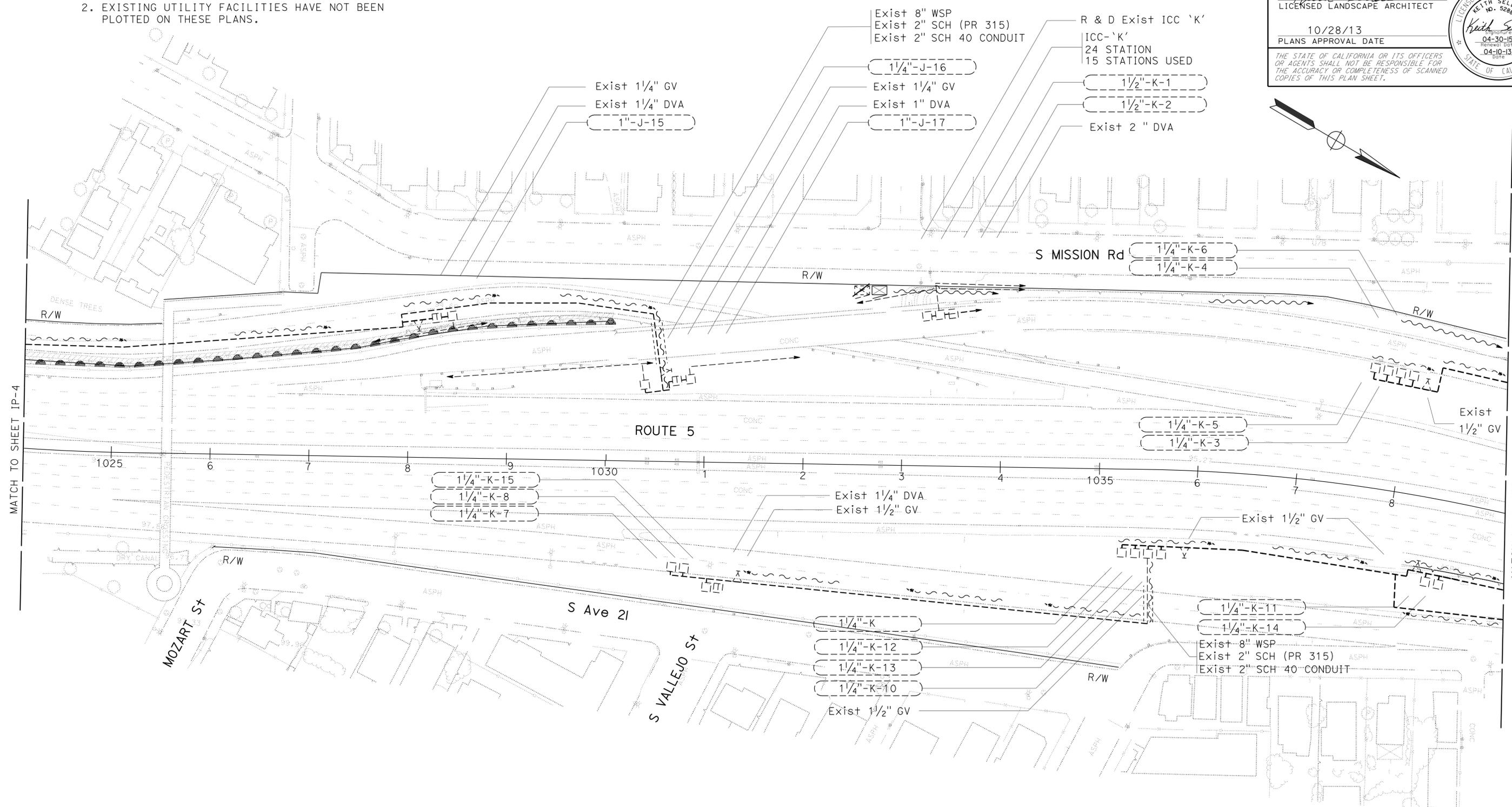
NOTES:

- 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.

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 14 | 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: KEITH SELLERS
 CHECKED BY: KEITH SELLERS
 KARIM SALARI
 REVISED BY: KEITH SELLERS
 DATE REVISION:

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-5

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:30

NOTES:

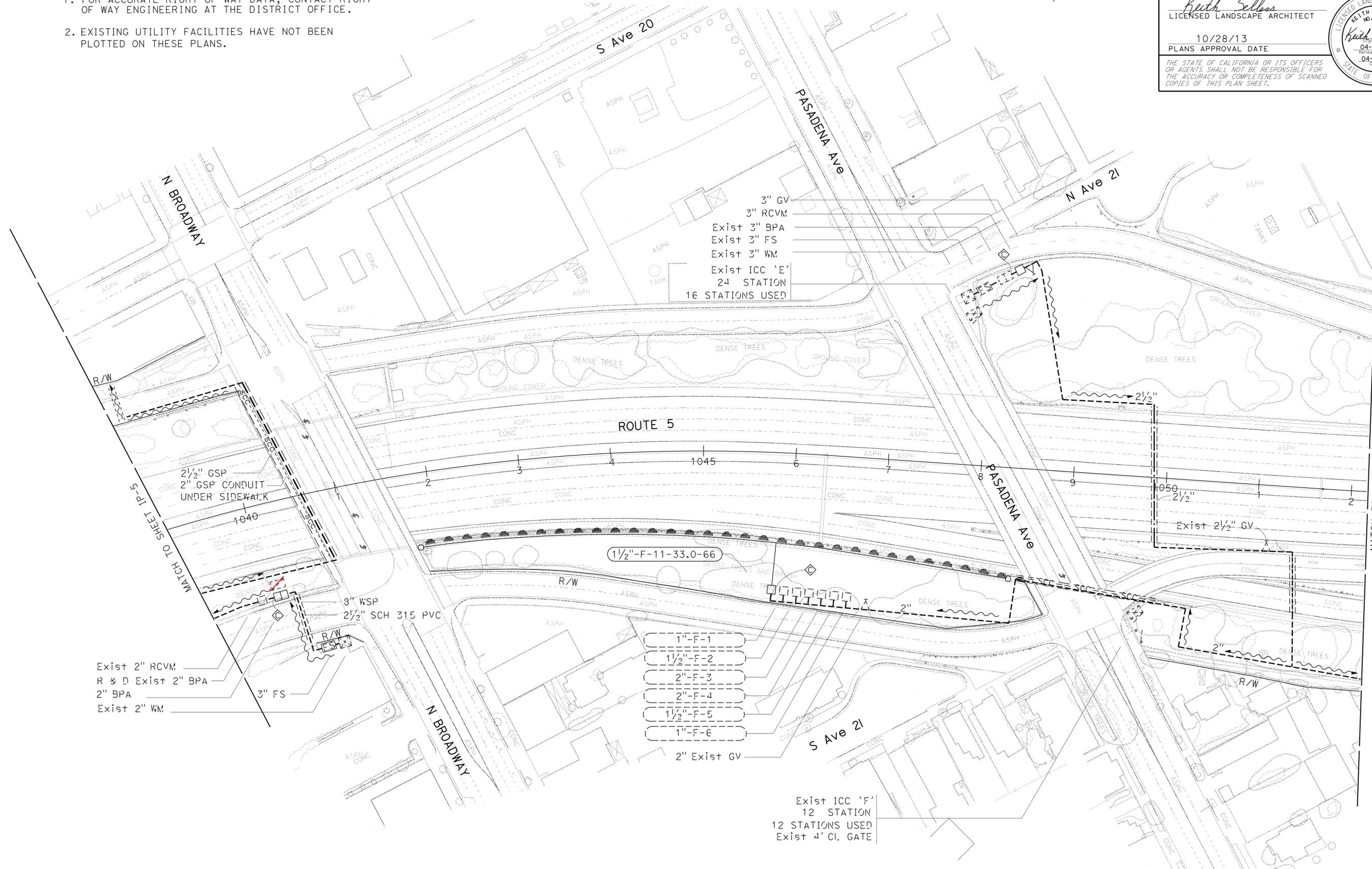
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 15 | 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
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED



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

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:31:30

NOTES:

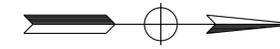
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 16 | 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.



MATCH TO SHEET IP-6

5 SOUTH TO 110 WEST

Exist 3/4" QCV
 Exist 2" GV
 1"-F-3
 1"-F-12-12.0-24

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

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-7

LAST REVISION: DATE PLOTTED => 21-JAN-2014 00-00-00 TIME PLOTTED => 1:31:30

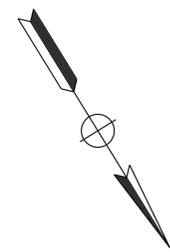
NOTES:

- 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.

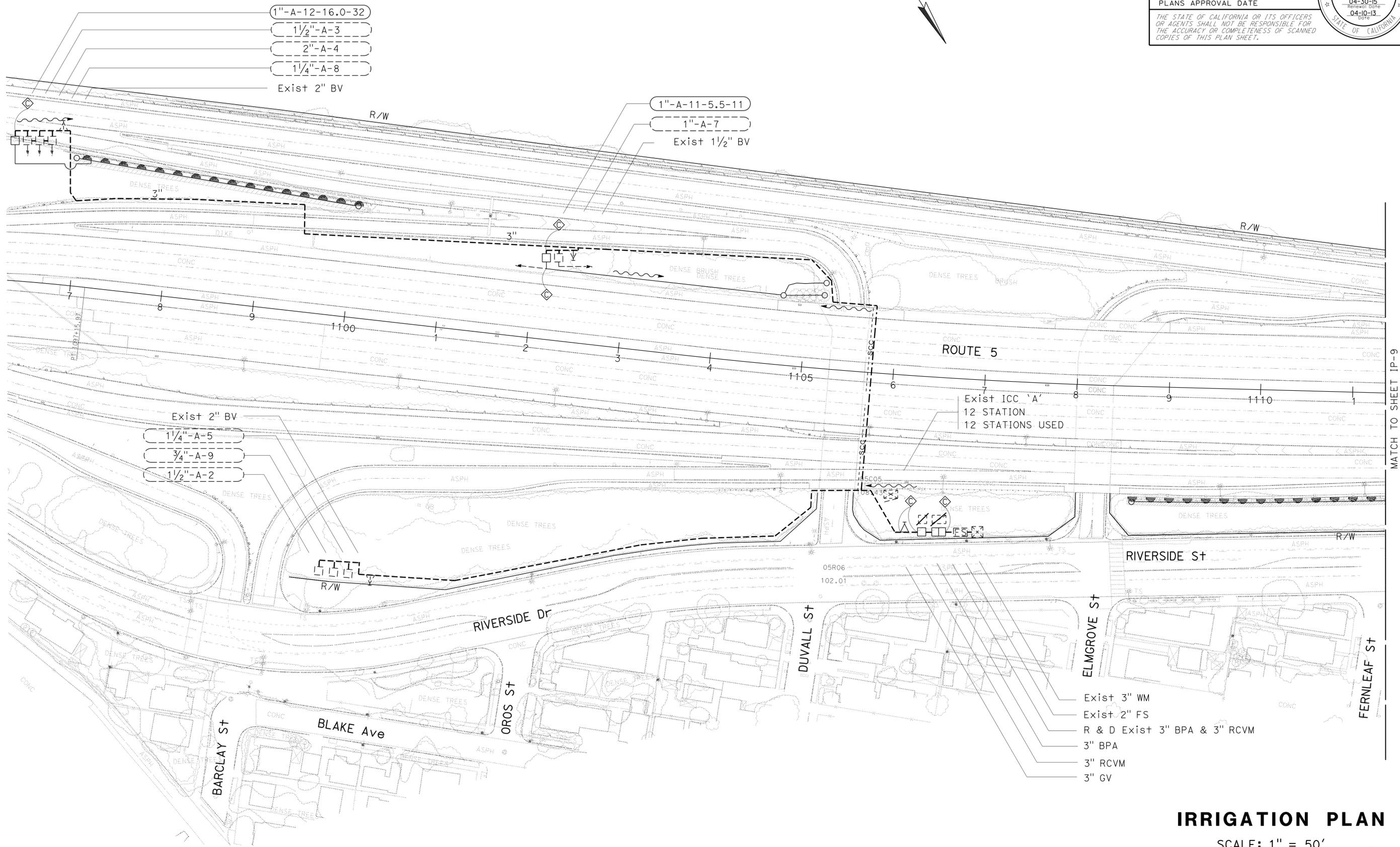
| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 17 | 69 |

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 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
 CALCULATED/DESIGNED BY
 KEITH SELLERS
 KARIM SALARI
 REVISED BY
 DATE REVIS



MATCH TO SHEET IP-9

IRRIGATION PLAN

SCALE: 1" = 50'

IP-8

APPROVED FOR IRRIGATION WORK ONLY

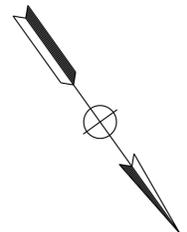
NOTES:

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.

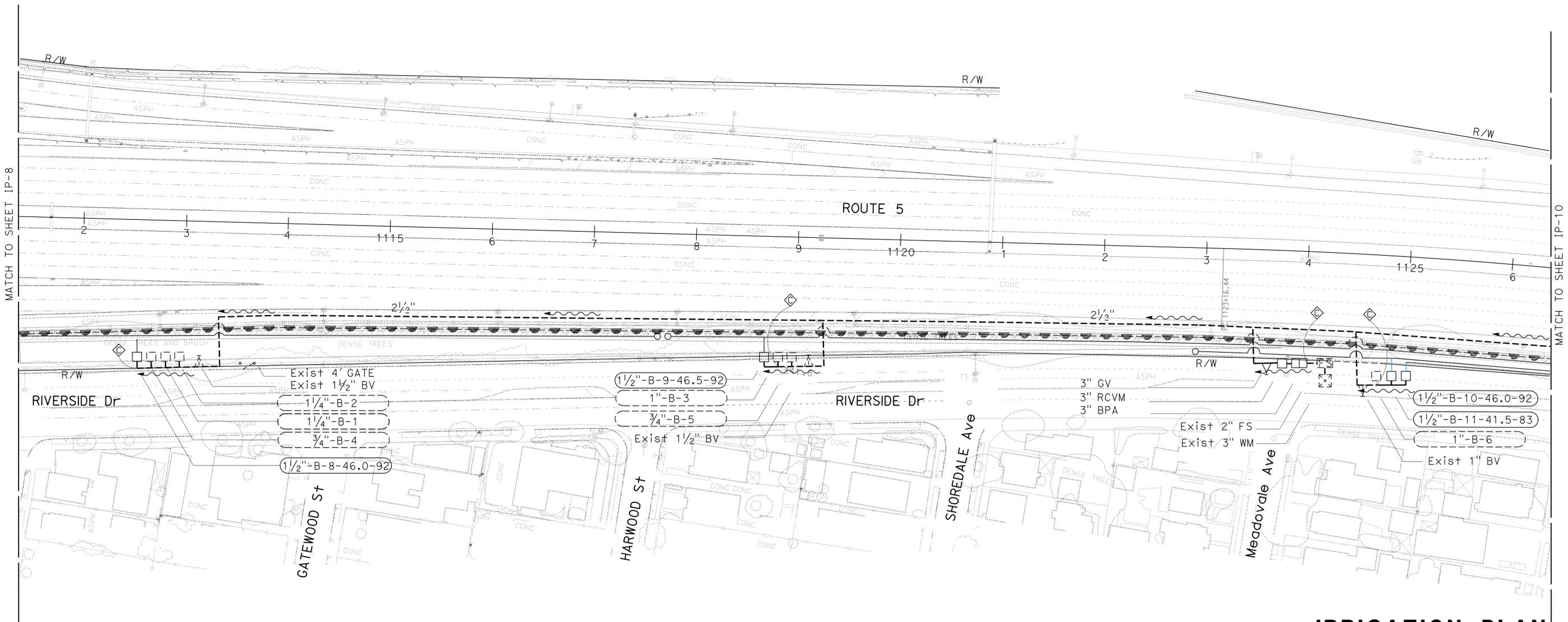
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 18 | 69 |

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
Elt *Galtbans* LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE
 CALCULATED-DESIGNED BY
 CHECKED BY
 KARIM SALARI
 KEITH SELLERS
 REVISED BY
 DATE REVISED



IRRIGATION PLAN
 SCALE: 1" = 50'
IP-9

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 13:30

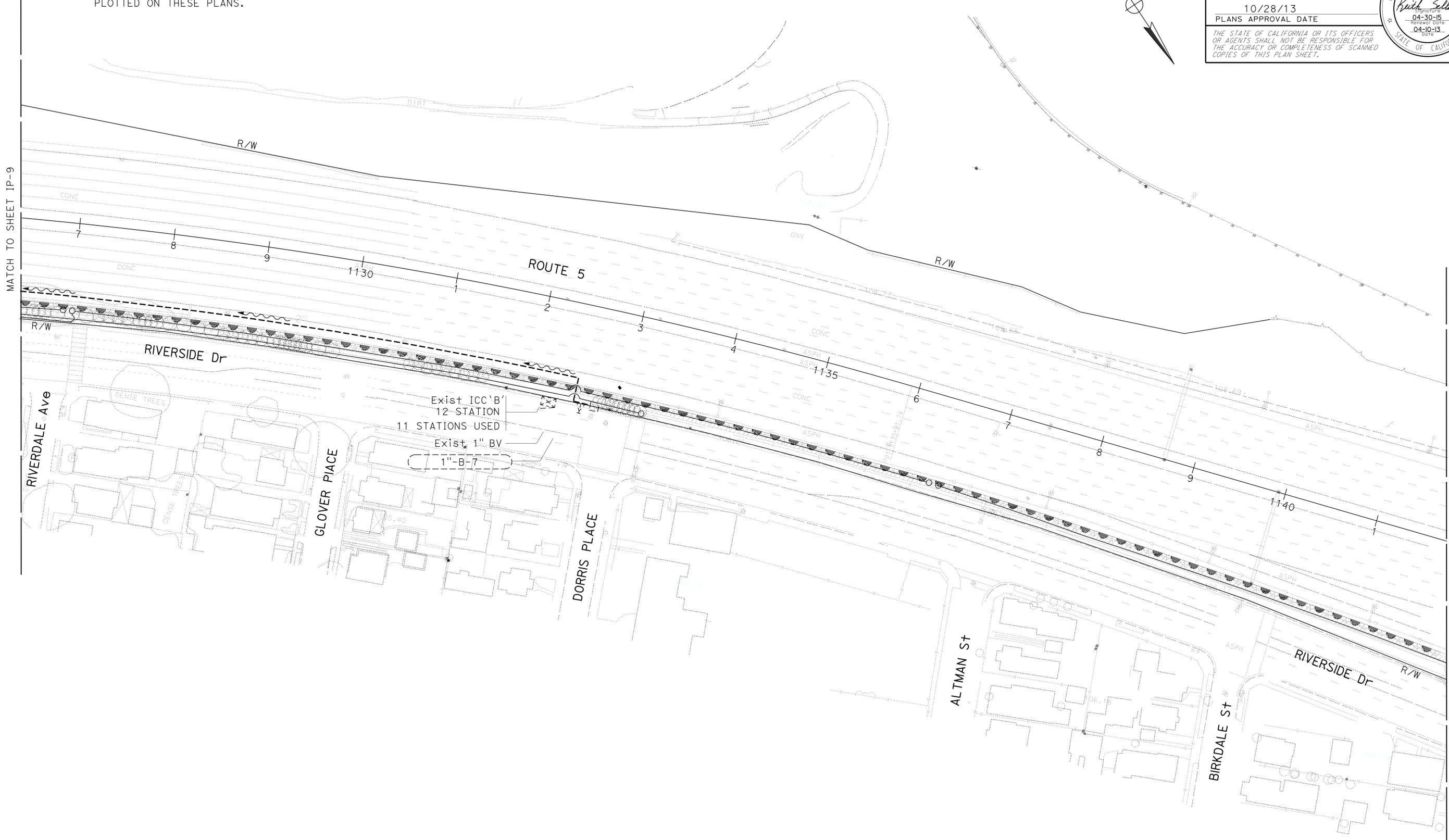
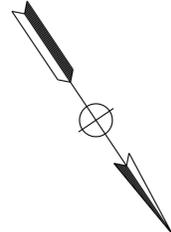
NOTES:

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| 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

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

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-10

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 13:50

NOTES:

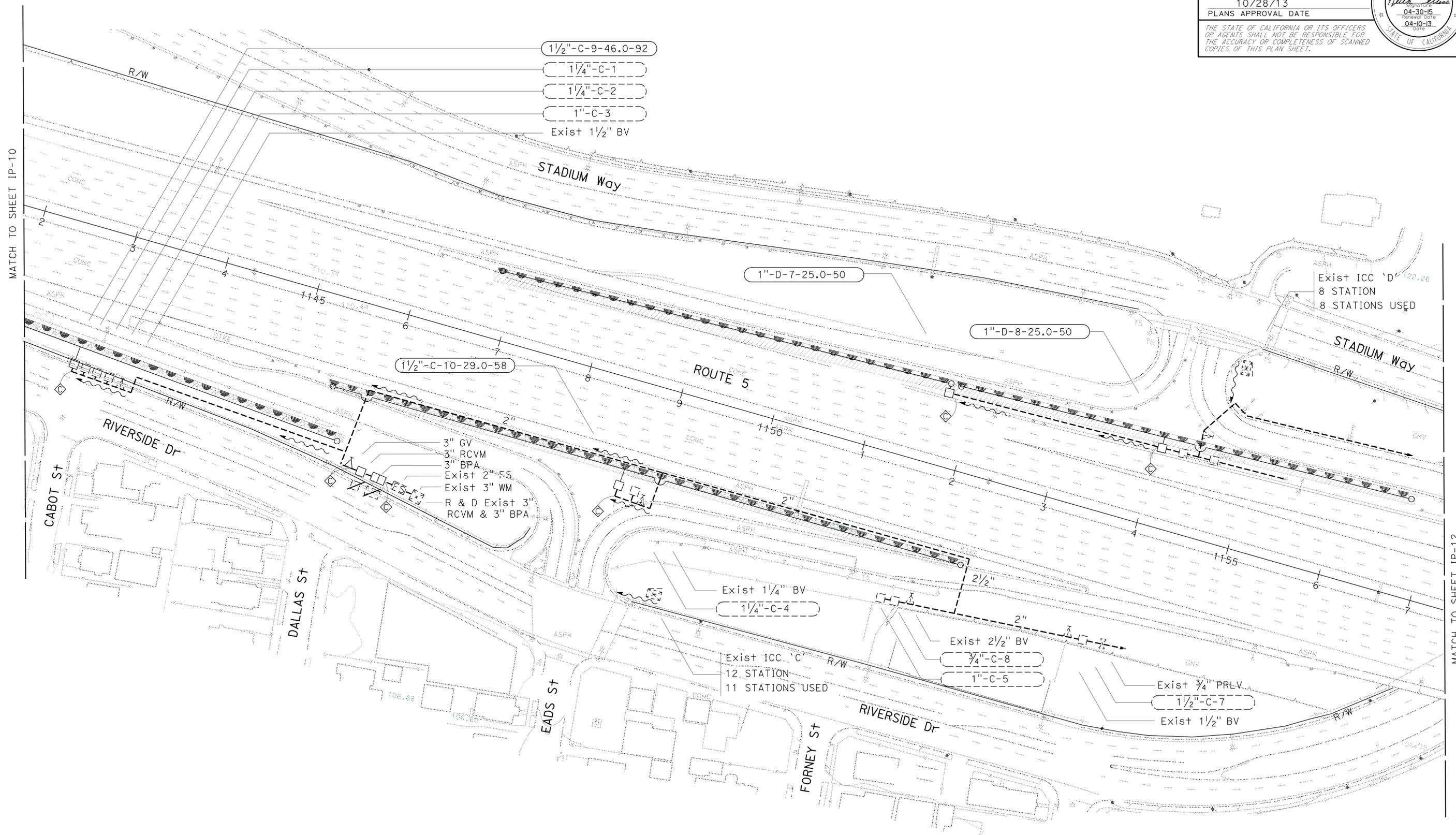
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 20 | 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
 KARIM SALARI KEITH SELLERS
 REVISED BY DATE REVISED
 KEITH SELLERS



APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-11

LAST REVISION DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:31:30

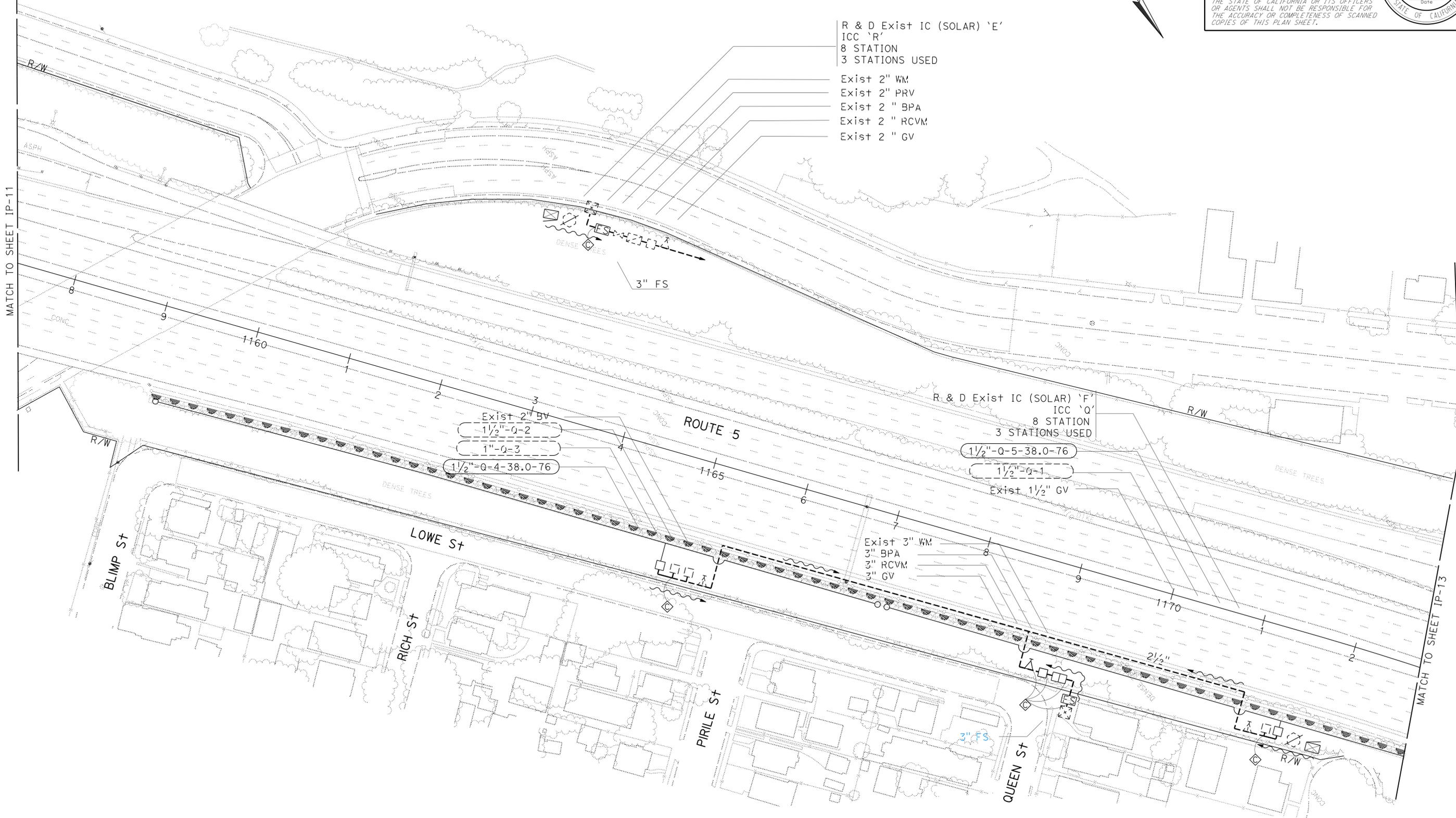
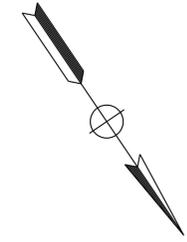
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

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

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 | 21 | 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.



R & D Exist IC (SOLAR) 'E'
 ICC 'R'
 8 STATION
 3 STATIONS USED
 Exist 2" WM
 Exist 2" PRV
 Exist 2" BPA
 Exist 2" RCVM
 Exist 2" GV

R & D Exist IC (SOLAR) 'F'
 ICC 'Q'
 8 STATION
 3 STATIONS USED
 1 1/2" Q-5-38.0-76
 1 1/2" Q-1
 Exist 1 1/2" GV

Exist 3" WM
 3" BPA
 3" RCVM
 3" GV

Exist 2" BV
 1 1/2" Q-2
 1" Q-3
 1 1/2" Q-4-38.0-76

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-12

APPROVED FOR IRRIGATION WORK ONLY

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:30

NOTES:

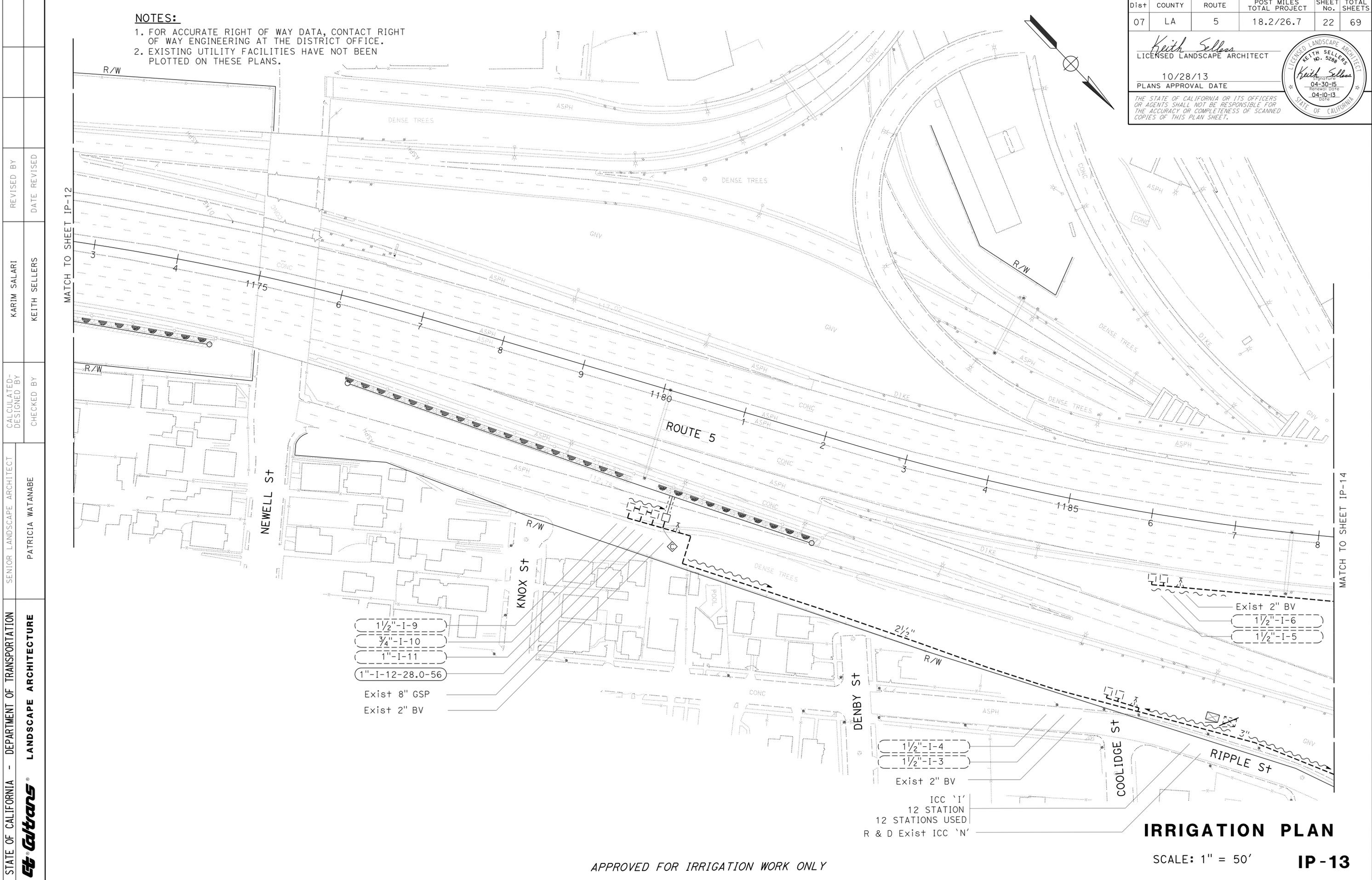
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No.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

Keith Sellers
LICENSED LANDSCAPE ARCHITECT

10/28/13
PLANS APPROVAL DATE

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

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN

SCALE: 1" = 50' **IP-13**

LAST REVISION | DATE PLOTTED => 21-JAN-2014
00-00-00 | TIME PLOTTED => 13:30

NOTES:

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| 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

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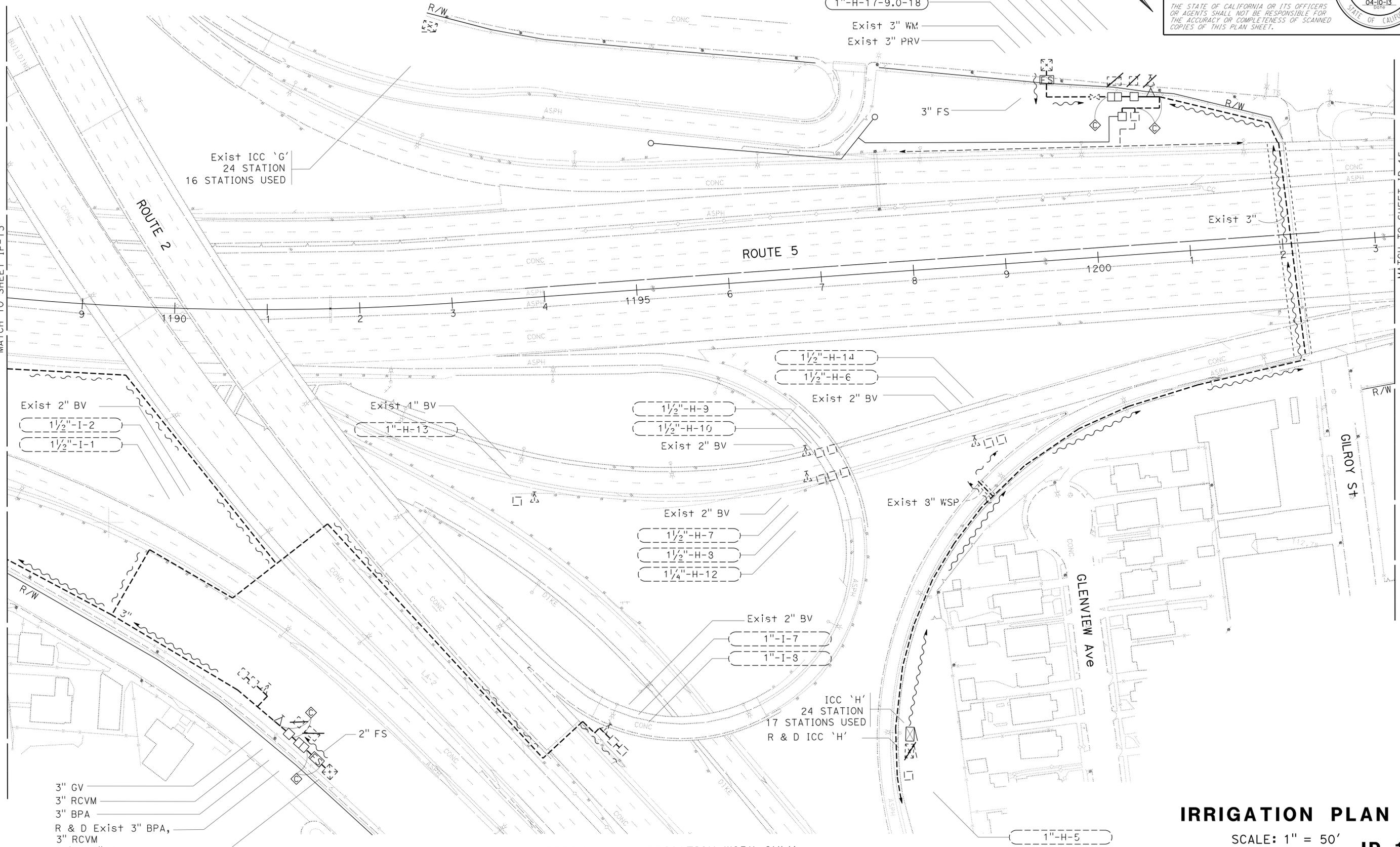
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE

CALCULATED/DESIGNED BY
 KEITH SELLERS

REVISOR BY
 KARIM SALARI

DATE REVISOR
 KEITH SELLERS



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

3" GV
 3" RCVM
 3" BPA
 R & D Exist 3" BPA , 3" RCVM & 3" GV
 1 1/2"-H-11
 1"-H-17-9.0-18
 Exist 3" WM
 Exist 3" PRV

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

Exist 2" BV
 1 1/2"-H-7
 1 1/2"-H-3
 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'

APPROVED FOR IRRIGATION WORK ONLY

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

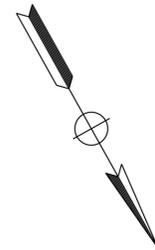
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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 25 | 69 |

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

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



- 1"-L-8-25.0-50
- 1 1/2"-L-4
- 1 1/2" GV
- 2 1/2" GV
- 2 1/2" RCVM
- 3" BPA
- R & D Exist 2 1/2" RCVM & 3" BPA
- Exist 2 1/2" PRV
- 1 1/2" FS
- Exist 3" WM

1 1/2"-L-6

RIVERSIDE Dr

ROUTE 5

MATCH TO SHEET IP-15

MATCH TO SHEET IP-17

| | | |
|--|----------------|------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | REVISOR | DATE |
| Caltrans LANDSCAPE ARCHITECTURE | KARIM SALARI | |
| SENIOR LANDSCAPE ARCHITECT | KELITH SELLERS | |
| DESIGNED BY | CHECKED BY | |
| PATRICIA WATANABE | | |

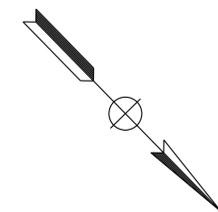
APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50' **IP-16**

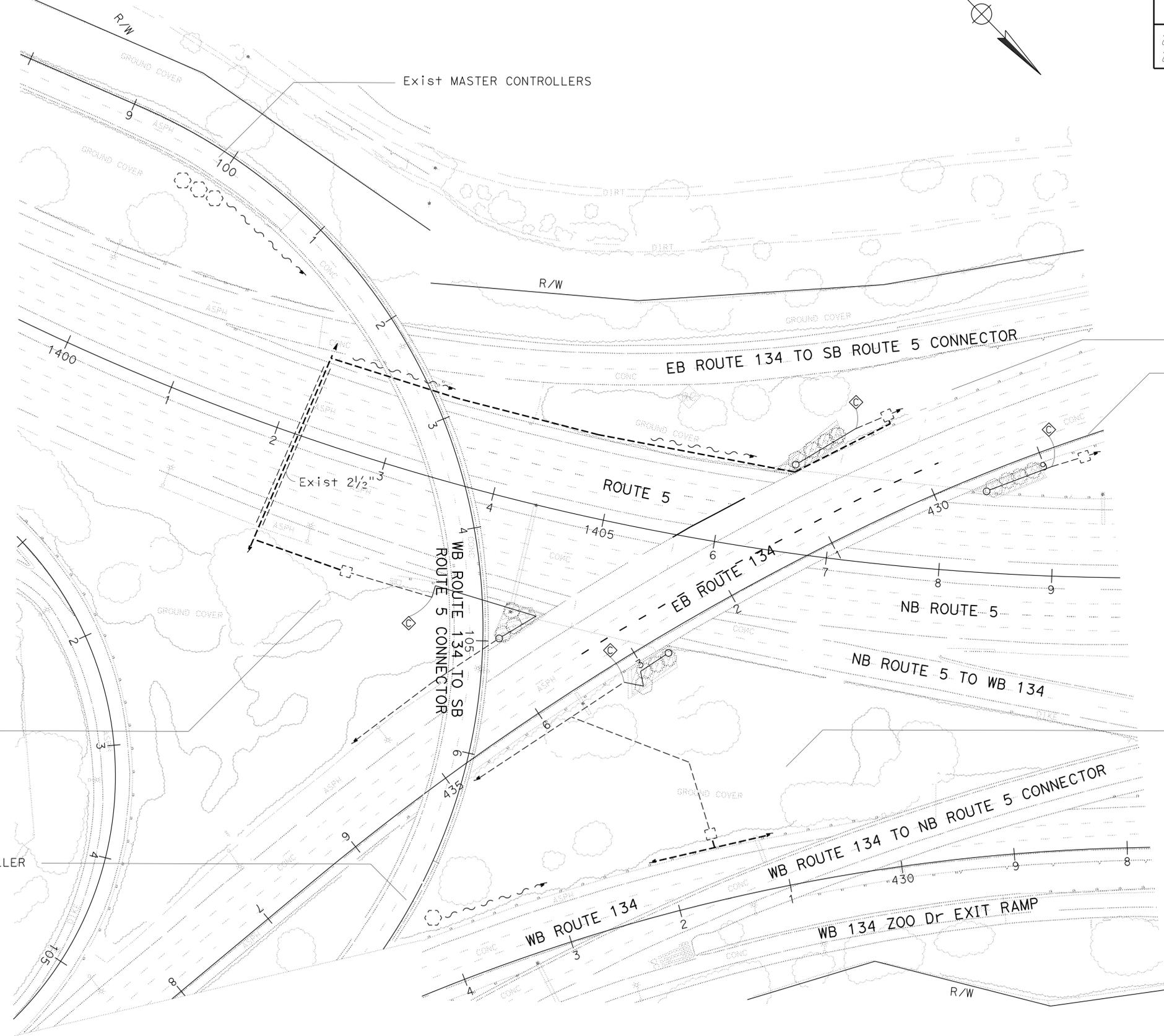
LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 27 | 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> | |



- NOTES:**
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 - EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



1 1/2" - B-10-2.0-4

1 1/4" - C-4-2.0-4

1 1/4" - C-7-2.0-4

1 1/4" D-6-2.0-4

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

APPROVED FOR PLANTING WORK ONLY

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

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | R18.2/R26.7 | 29 | 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.

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

| DESCRIPTION | UNIT | VALVE OR ASSEMBLY NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | SUBTOTALS | UNIT | DESCRIPTION |
|--------------------------------------|------------|--------------------------|------|-----|-----|------|------|------|-----|-----|-----|-----|------|-----|-----|------|------|------|------|-----|------|-----|------|------|------|-----|-----|-----|------|-----------|------------|-------------|
| | | A-11 | A-12 | B-8 | B-9 | B-10 | B-10 | B-11 | C-4 | C-7 | D-6 | C-9 | C-10 | D-7 | D-8 | F-11 | F-12 | F-17 | F-19 | G-7 | H-17 | I-9 | I-18 | I-23 | I-24 | J-2 | J-5 | | | | | |
| PLASTIC PIPE SUPPLY LINE SCHEDULE 40 | 3/4 INCH | LF | 300 | 150 | 300 | 270 | 150 | 125 | 150 | 58 | 56 | 60 | 300 | 300 | 150 | 300 | 150 | 300 | 53 | 150 | 100 | 210 | 50 | 50 | 150 | 300 | 150 | 200 | 3767 | LF | 3/4 INCH | |
| | 1 INCH | LF | - | 80 | 160 | 80 | 80 | - | 80 | - | - | - | 160 | 160 | 80 | 140 | 80 | - | - | - | - | 310 | - | - | 80 | - | - | - | 2290 | LF | 1 INCH | |
| | 1 1/4 INCH | LF | - | 40 | 360 | 200 | 200 | - | 200 | - | - | - | 260 | 140 | 200 | 40 | 180 | - | - | - | - | - | - | - | 200 | - | - | - | 2220 | LF | 1 1/4 INCH | |
| | 1 1/2 INCH | LF | - | - | 80 | 160 | 160 | - | 160 | - | - | - | 170 | 80 | 50 | - | - | - | - | - | - | - | 140 | - | - | - | - | - | 995 | LF | 1 1/2 INCH | |
| SPRINKLER TYPE | C-2 | EA | 11 | 32 | 92 | 92 | 92 | 4 | 83 | 4 | 4 | 4 | 92 | 58 | 50 | 50 | 66 | 24 | 2 | 4 | 3 | 18 | 7 | 5 | 63 | 16 | 5 | 16 | 897 | EA | C-2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| DESCRIPTION | UNIT | VALVE OR ASSEMBLY NUMBER | | | | | | | | | | | | | | | SUBTOTALS | UNIT | DESCRIPTION |
|--------------------------------------|------------|--------------------------|------|------|-----|-----|------|-----|-----|-----|-----|-----|------|-----|------|----|------------|------|-------------|
| | | J-22 | J-23 | J-24 | L-1 | L-8 | M-11 | O-4 | P-2 | P-3 | Q-4 | Q-5 | I-12 | | | | | | |
| PLASTIC PIPE SUPPLY LINE SCHEDULE 40 | 3/4 INCH | LF | 300 | 175 | 185 | 60 | 150 | 150 | 300 | 180 | 110 | 300 | 300 | 150 | 2360 | LF | 3/4 INCH | | |
| | 1 INCH | LF | 130 | 80 | 80 | - | 80 | 80 | 110 | - | - | 150 | 160 | 80 | 950 | LF | 1 INCH | | |
| | 1 1/4 INCH | LF | 200 | 200 | 200 | - | 200 | 200 | 90 | - | - | 200 | 200 | 120 | 1610 | LF | 1 1/4 INCH | | |
| | 1 1/2 INCH | LF | 130 | 160 | 160 | - | 70 | 100 | - | - | - | 120 | 70 | - | 810 | LF | 1 1/2 INCH | | |
| SPRINKLER TYPE | C-2 | EA | 84 | 75 | 80 | 5 | 50 | 50 | 22 | 16 | 8 | 76 | 76 | 56 | 598 | EA | C-2 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
 KATHY SALARI - KATHY SALARI
 KEITH SELLERS - KEITH SELLERS
 CALCULATED/DESIGNED BY - KEITH SELLERS
 CHECKED BY - KEITH SELLERS
 SENIOR LANDSCAPE ARCHITECT - PATRICIA WATANABE
 LANDSCAPE ARCHITECTURE - PATRICIA WATANABE

IRRIGATION QUANTITIES IQ-1

LAST REVISION DATE PLOTTED => 21-JAN-2014 00:00:00 TIME PLOTTED => 1:31:30

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 |
| IRRIGATION CONTROLLER | ENCLOSURE | EA | - | - | - | - | - | 1 | - | 1 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 10 |
| | 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 | - | 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 |
| GV | 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 |
| BV | 1" | EA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| | 1 1/2" | EA | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - | 2 |
| 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 | - | 30 | - | - | - | 270 |
| FS FLOW SENSOR | 1 1/2" | EA | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 4 |
| | 2" | EA | - | - | - | 1 | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | 4 |
| | 3" | EA | - | - | - | - | - | 1 | - | - | - | - | 2 | - | 1 | - | - | - | - | 4 |

TOTAL QUANTITIES

| TOTALS | UNIT | DESCRIPTION | |
|--------|------|-------------|--------------------------------------|
| 2 | EA | 2" | BPA |
| 8 | EA | 3" | |
| 10 | EA | ENCLOSURE | IRRIGATION CONTROLLER |
| 4 | EA | 8 STATION | |
| 3 | EA | 12 STATION | |
| 3 | EA | 24 STATION | |
| 1 | EA | 32 STATION | |
| 11 | EA | SINGLE | CEC |
| 12 | EA | 1" | VALVES AND ASSEMBLIES |
| 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" | BV |
| 2 | EA | 1 1/2" | |
| 6127 | LF | 3/4 INCH | SCHEDULE 40 PLASTIC PIPE SUPPLY LINE |
| 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 | CL 315 PLASTIC PIPE SUPPLY LINE |
| 270 | LF | 3 INCH | |
| | | | |
| 4 | EA | 1 1/2" | FS FLOW SENSOR |
| 4 | EA | 2" | |
| 4 | EA | 3" | |
| 1495 | EA | C-2 | SPRINKLER TYPE |

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

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

10/28/13
 PLANS APPROVAL DATE

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IRRIGATION QUANTITIES
IQ-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 | |
|-------------|-----------|--------|---|-------------------------|--------|---------------|------------------|-------|------------|------------------|------|----------------|-------------------------|-------|-------------|----------------------------|---------|-----------------|----------------|-------|------|-------------|-------------|---------|---|
| | | | | | | | Diag | DEPTH | | RATE | RATE | PLANTING | PLT ESTB | TYPE | CY | MINIMUM DISTANCE (ft) FROM | | | ON CENTER (ft) | | | | | | |
| | | | | | | | | | | | | | | | | ETW | | Pvmt | | FENCE | WALL | PAVED DITCH | EARTH DITCH | | |
| A | 1 | | <u>DISTICTIS</u> <u>BUCCINATORIA</u> | BLOOD-RED TRUMPET VINE | No. 1 | 860 | ③ | ③ | III | --- | --- | --- | 2 Pk+ | 4 oz | WC | .037 | ④ | --- | --- | --- | --- | --- | --- | 10 | VINE, 2 PLANTS PER PLANTING HOLE |
| | 2 | | <u>PARTHENO</u> <u>CISSUS</u> <u>TRICUSPIDATA</u> | BOSTON IVY | No. 1 | 1272 | ③ | ③ | III | --- | --- | --- | 2 Pk+ | 4 oz | WC | .037 | ④ | --- | --- | --- | --- | --- | --- | 10 | VINE, 2 PLANTS PER PLANTING HOLE |
| | 3 | | <u>CLAYSTEGIA</u> <u>MACROSTEGIA</u> | CA MORNING GLORY | No. 1 | 206 | ③ | ③ | III | --- | --- | --- | 2 Pk+ | 4 oz | WC | .037 | ④ | --- | --- | --- | --- | --- | --- | 10 | NATIVE VINE, 2 PLANTS PER PLANTING HOLE |
| B | 4 | | <u>CALLISTEMON</u> <u>CITRINUS</u> | LEMON BOTTLEBRUSH | No. 5 | 20 | ③ | ③ | I | --- | --- | --- | 4 Pk+ | 8 oz | WC | .074 | --- | --- | 15 | 15 | 15 | 15 | 17 | 12 | SHRUB |
| | 5 | | <u>MYRICA</u> <u>CALIFORNIA</u> | PACIFIC WAX MYRTLE | No. 5 | 27 | ③ | ③ | I | --- | --- | --- | 4 Pk+ | 8 oz | WC | .074 | --- | --- | 15 | 12 | 12 | 12 | 15 | 10 | NATIVE SHRUB |
| | 6 | | <u>PITOSPORUM</u> <u>TOBIRA</u> | TOBIRA | No. 5 | 56 | ③ | ③ | I | --- | --- | --- | 4 Pk+ | 8 oz | WC | .074 | --- | --- | 15 | 10 | 6 | 6 | 8 | 6 | SHRUB |
| U | 7 | | <u>DODONAEA</u> <u>VISCOSA</u> 'PURPUREA' | PURPLELEAF HOPSEED BUSH | No. 15 | 120 | ③ | ③ | I | --- | --- | --- | 8 Pk+ | 16 oz | WC | .148 | --- | --- | 15 | 10 | 6 | 6 | 8 | 6 | SHRUB |

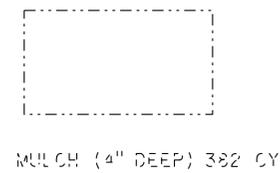
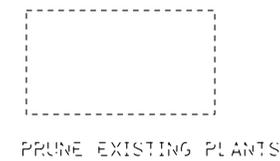
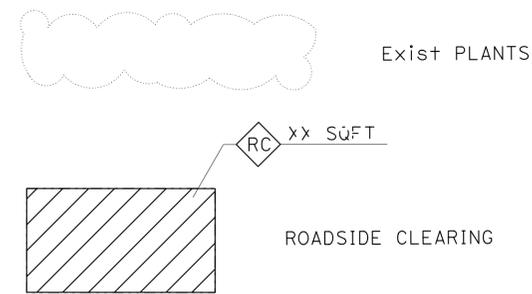
NOTE:
 UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

- 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:



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

PLANT LEGEND

PL -1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE

CALCULATED/DESIGNED BY
 CHECKED BY

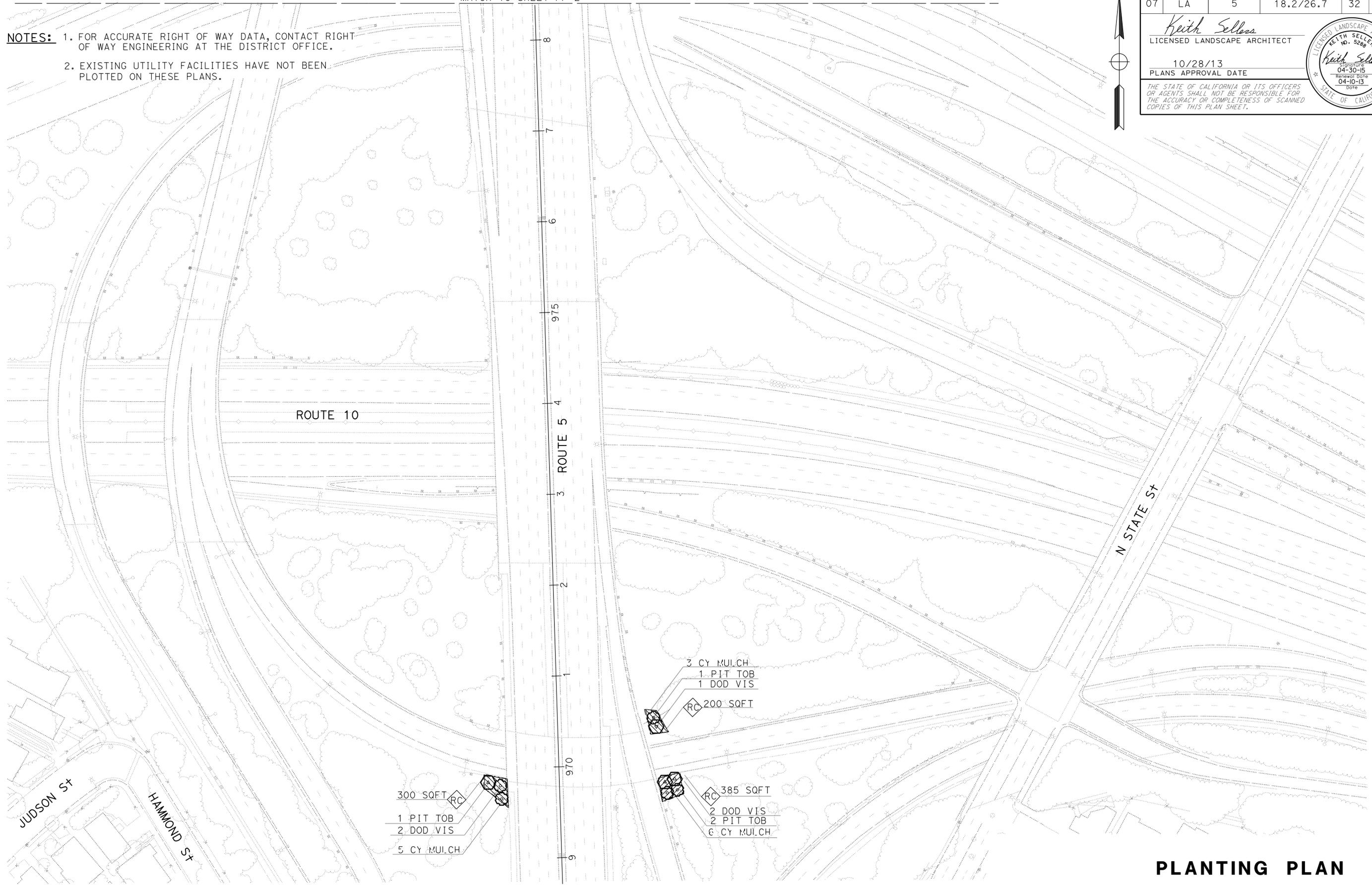
KARIM SALARI
 KEITH SELLERS

REVISED BY
 DATE REVISED

DATE

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.

MATCH TO SHEET PP-2



| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| 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.

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

APPROVED FOR PLANTING WORK ONLY

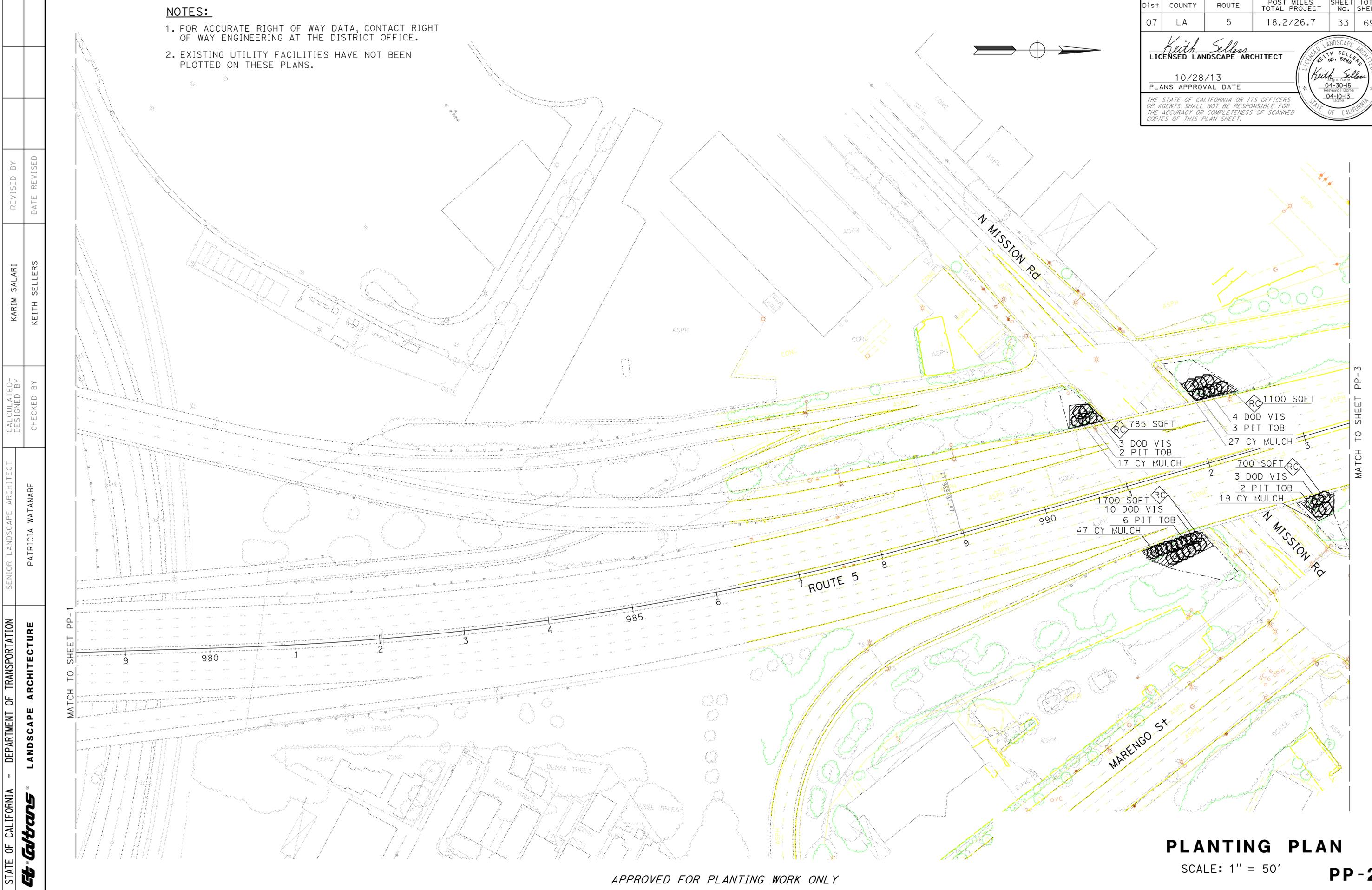
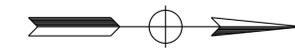
NOTES:

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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 | 33 | 69 |

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

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

APPROVED FOR PLANTING WORK ONLY

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

LAST REVISION DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:31

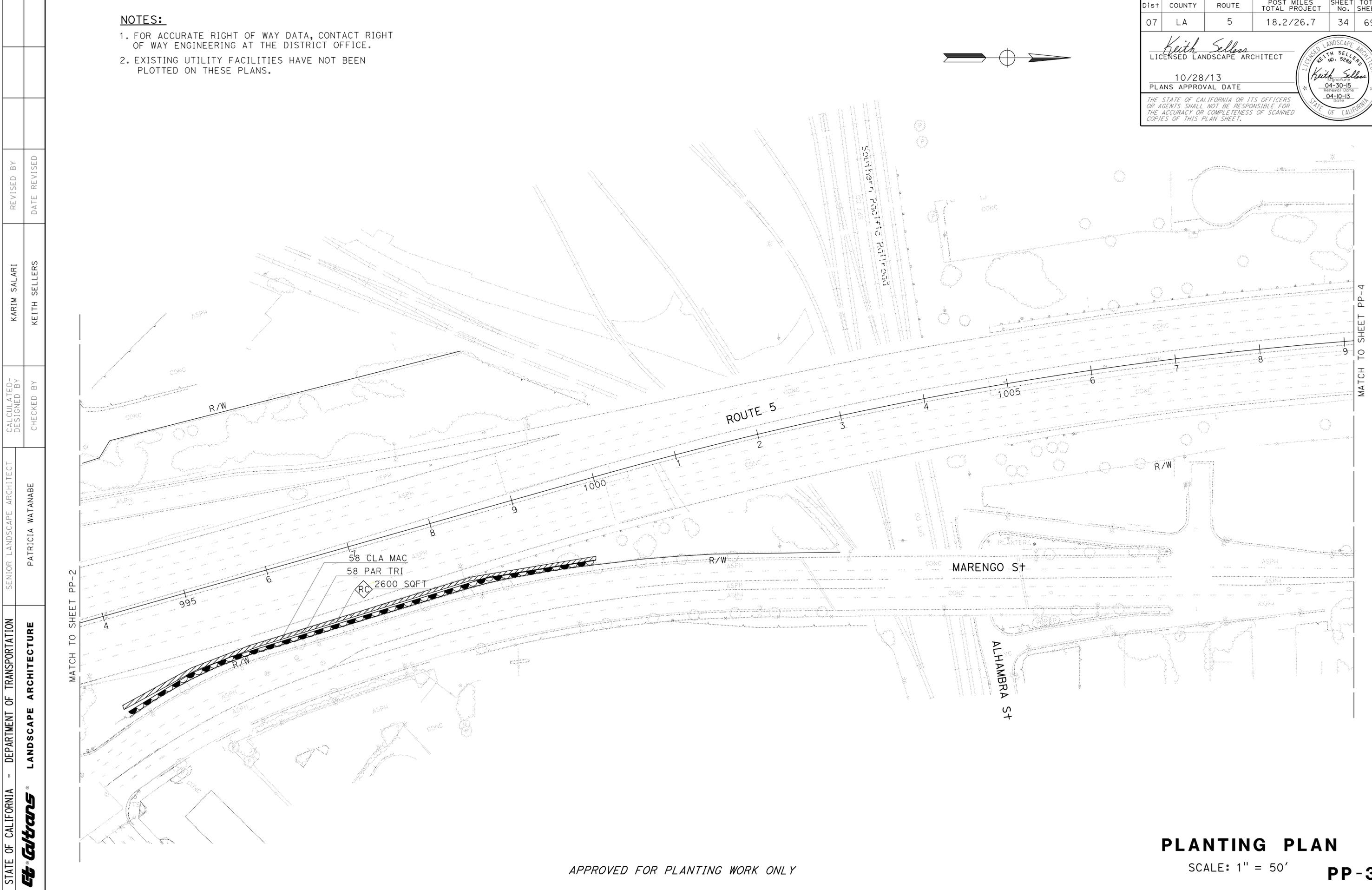
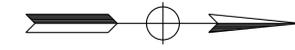
NOTES:

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 |
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| 07 | LA | 5 | 18.2/26.7 | 34 | 69 |

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
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| | | | | |
|--|------------------------|----------------------------|------------------------|---------------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | LANDSCAPE ARCHITECTURE | SENIOR LANDSCAPE ARCHITECT | CALCULATED/DESIGNED BY | REVISOR BY |
| Caltrans | | PATRICIA WATANABE | CHECKED BY | KARIM SALARI |
| | | | | KEITH SELLERS |
| | | | | DATE REVISED |

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-3

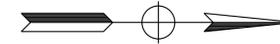
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NOTES:

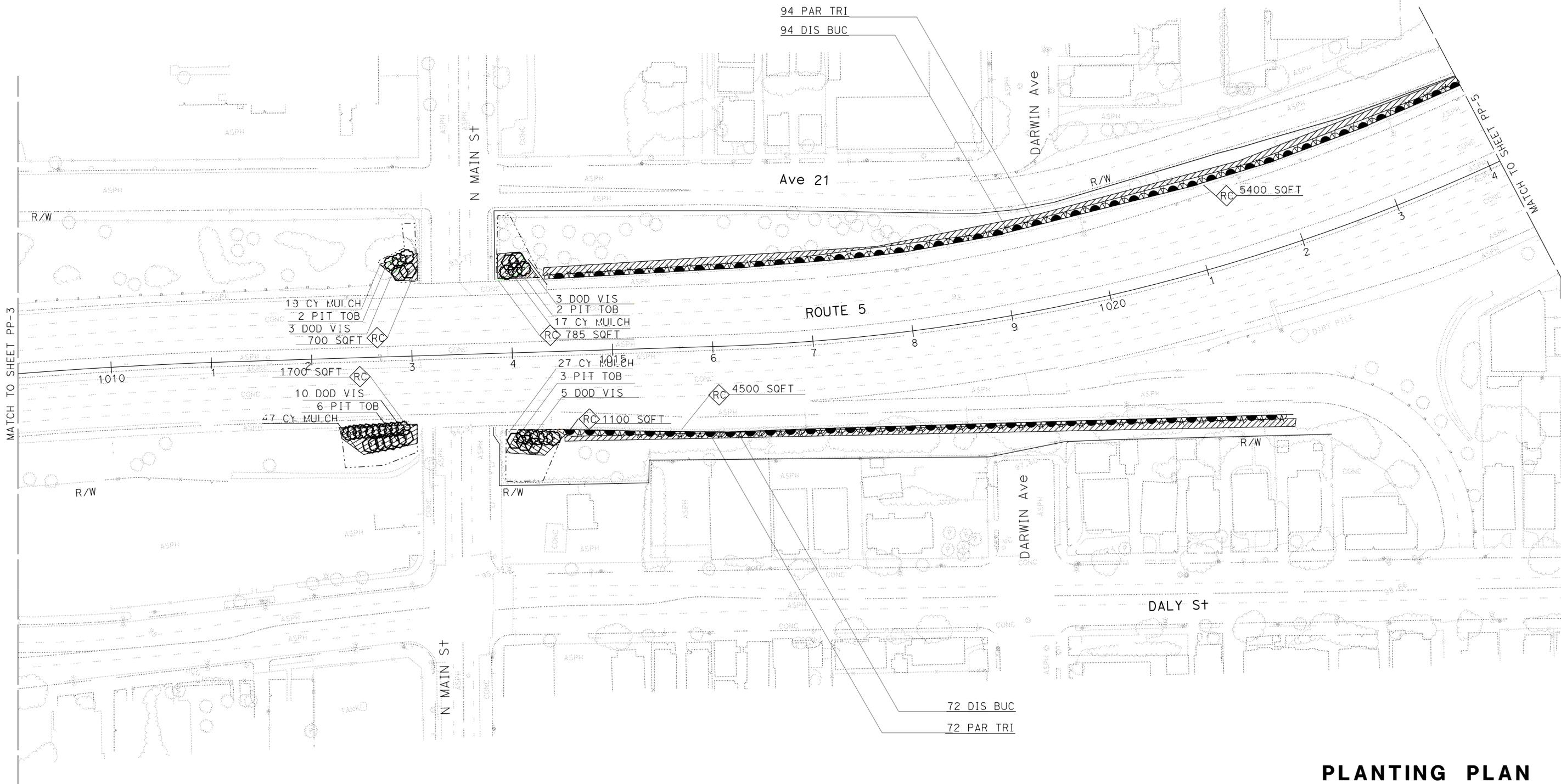
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 35 | 69 |

Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
 PLANS APPROVAL DATE
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| | | |
|--|------------------------|---------------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | REVISOR | DATE |
| Caltrans® LANDSCAPE ARCHITECTURE | KARIM SALARI | KEITH SELLERS |
| | CALCULATED/DESIGNED BY | CHECKED BY |
| SENIOR LANDSCAPE ARCHITECT | PATRICIA WATANABE | |

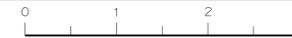


APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1" = 50'

PP-4



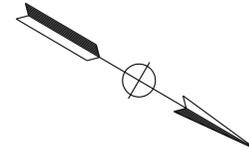
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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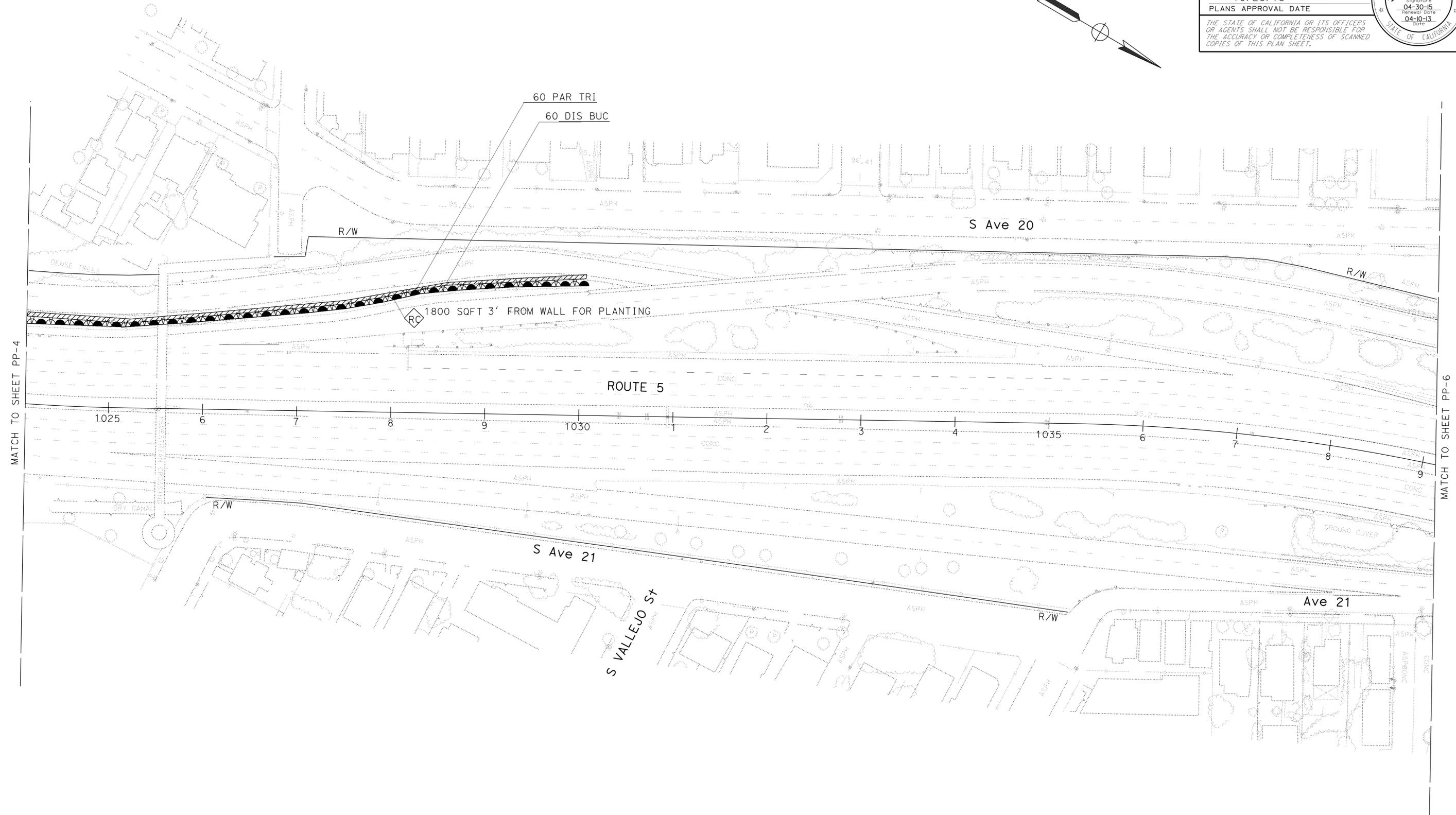
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 36 | 69 |

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
 KARIM SALARI
 KEITH SELLERS
 REVISED BY
 DATE REVISED



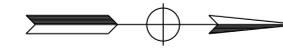
APPROVED FOR PLANTING WORK ONLY

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

LAST REVISION: 00-00-00 DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 1:3:31

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.

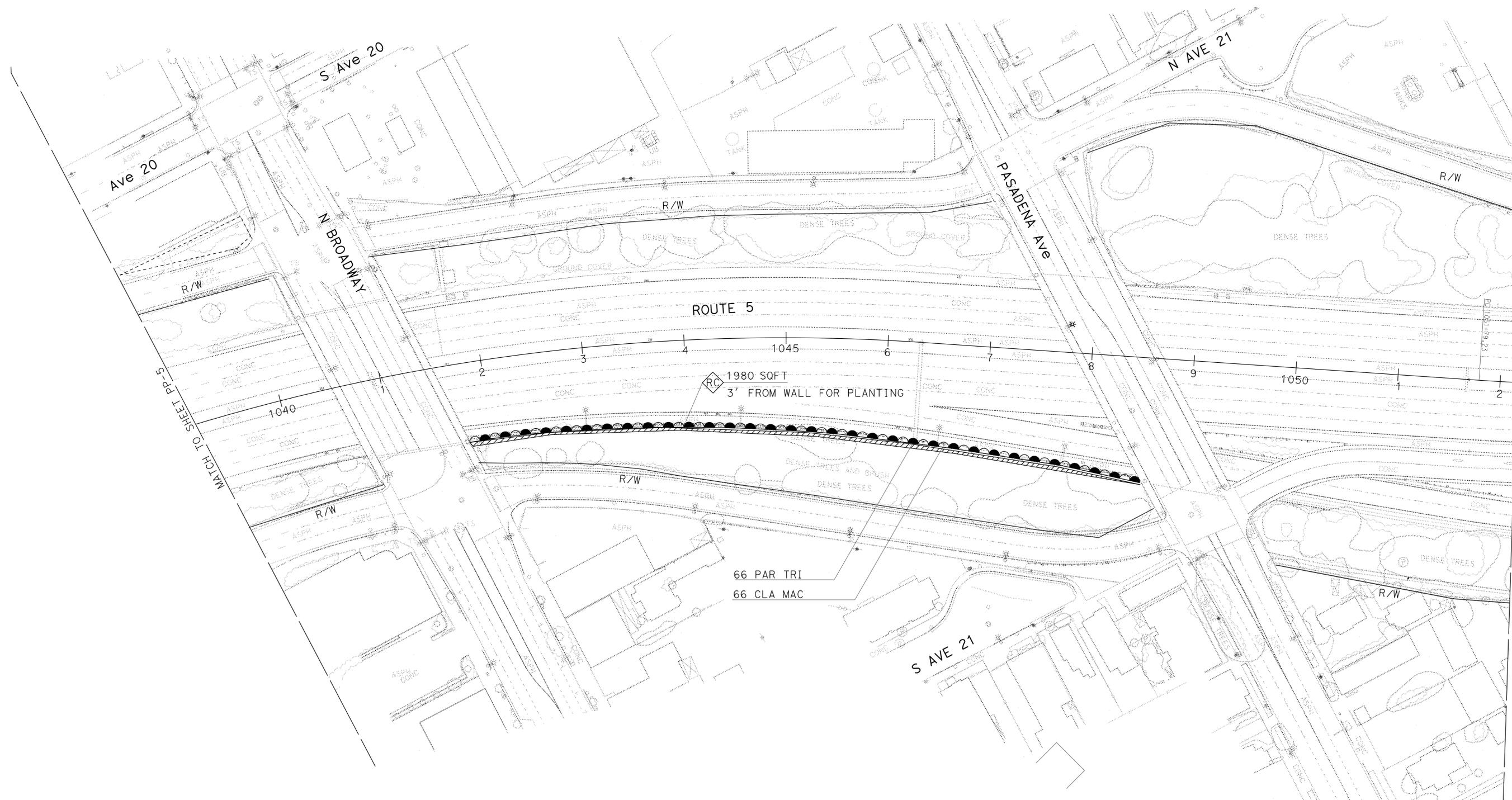


| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 37 | 69 |

| | |
|--|--|
| <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 | CALCULATED/DESIGNED BY | KARIM SALARI | REVISED BY |
| Caltrans | | PATRICIA WATANABE | CHECKED BY | KEITH SELLERS | DATE REVISED |



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
SCALE: 1" = 50'
PP-6

LAST REVISION: 00-00-00 DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 1:31:31

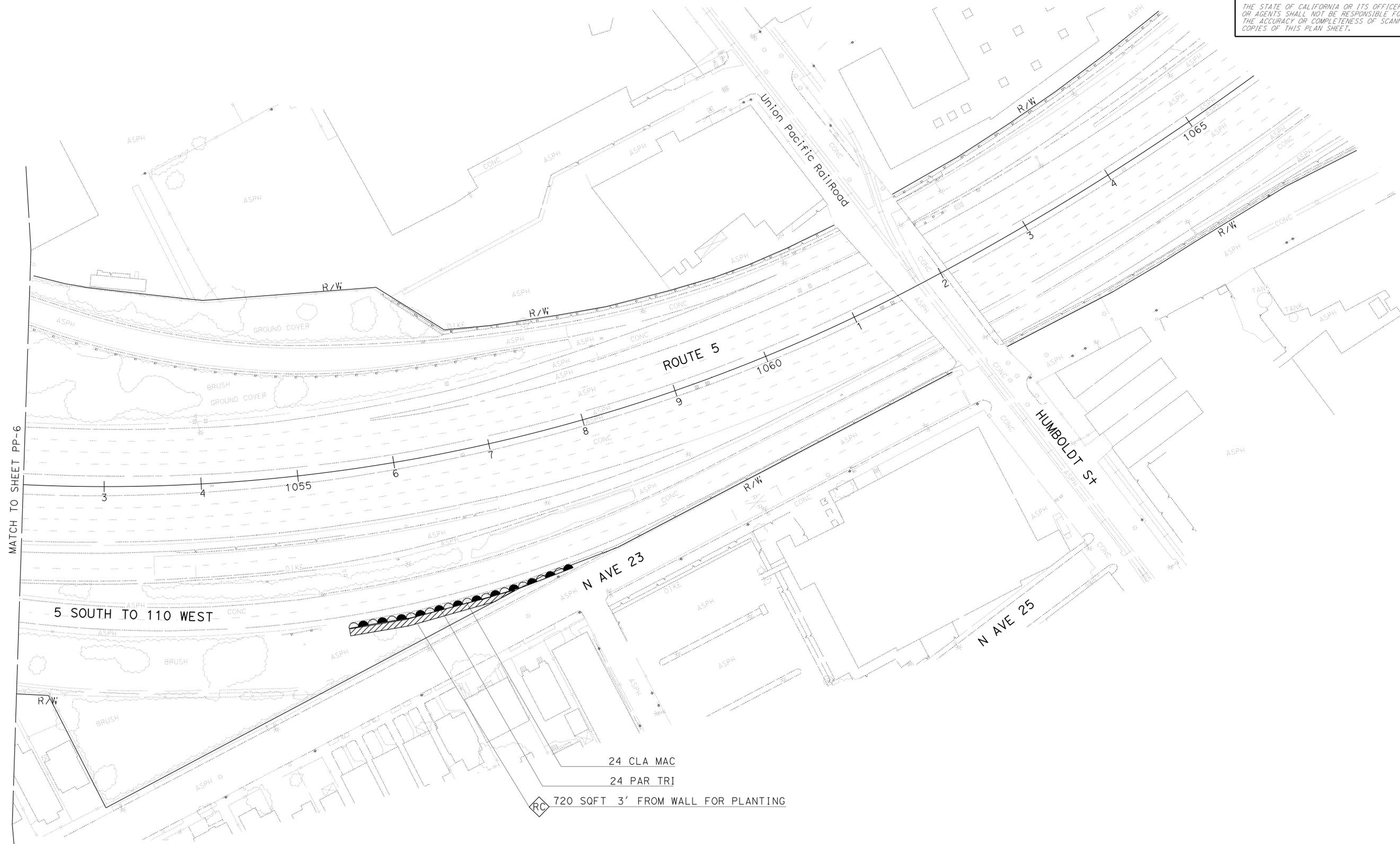
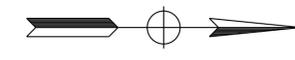
NOTES:

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 | 38 | 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

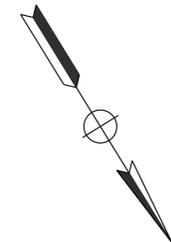
APPROVED FOR PLANTING WORK ONLY

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

LAST REVISION DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 1:31:31

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.

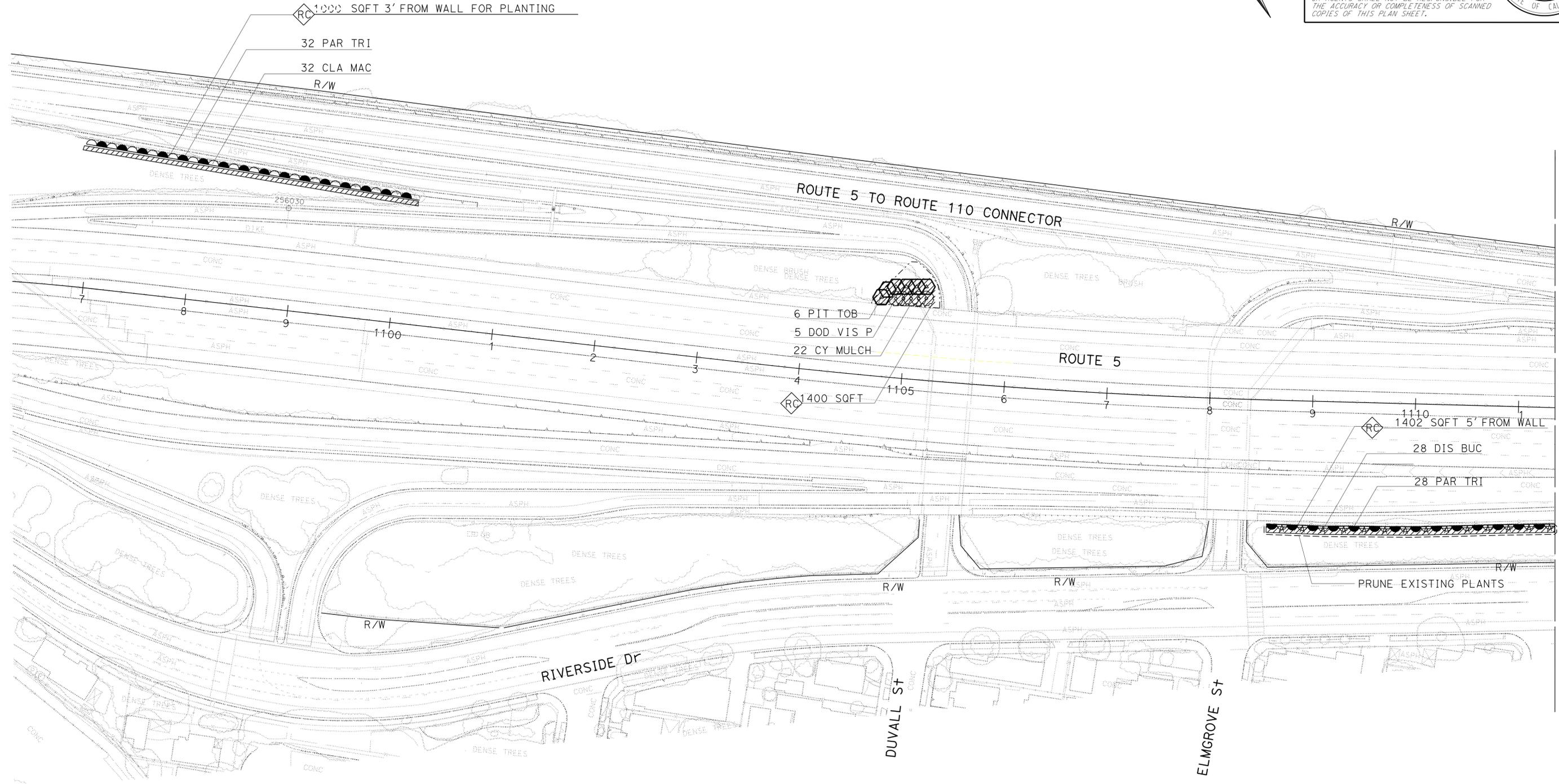


| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 39 | 69 |

| | |
|--|--|
| <i>Keith Sellers</i> LICENSED LANDSCAPE ARCHITECT NO. 52266 | |
| 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
 CHECKED BY
 KARIM SALARI
 KEITH SELLERS
 REVISED BY
 DATE REVISED



MATCH TO SHEET PP-9

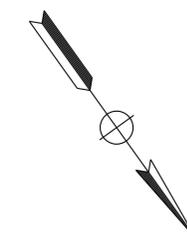
PLANTING PLAN
 SCALE: 1" = 50'
PP-8

APPROVED FOR PLANTING WORK ONLY

LAST REVISION: 00-00-00 DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 13:51

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.

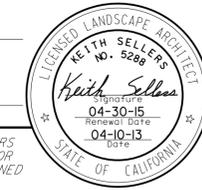


| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 40 | 69 |

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.



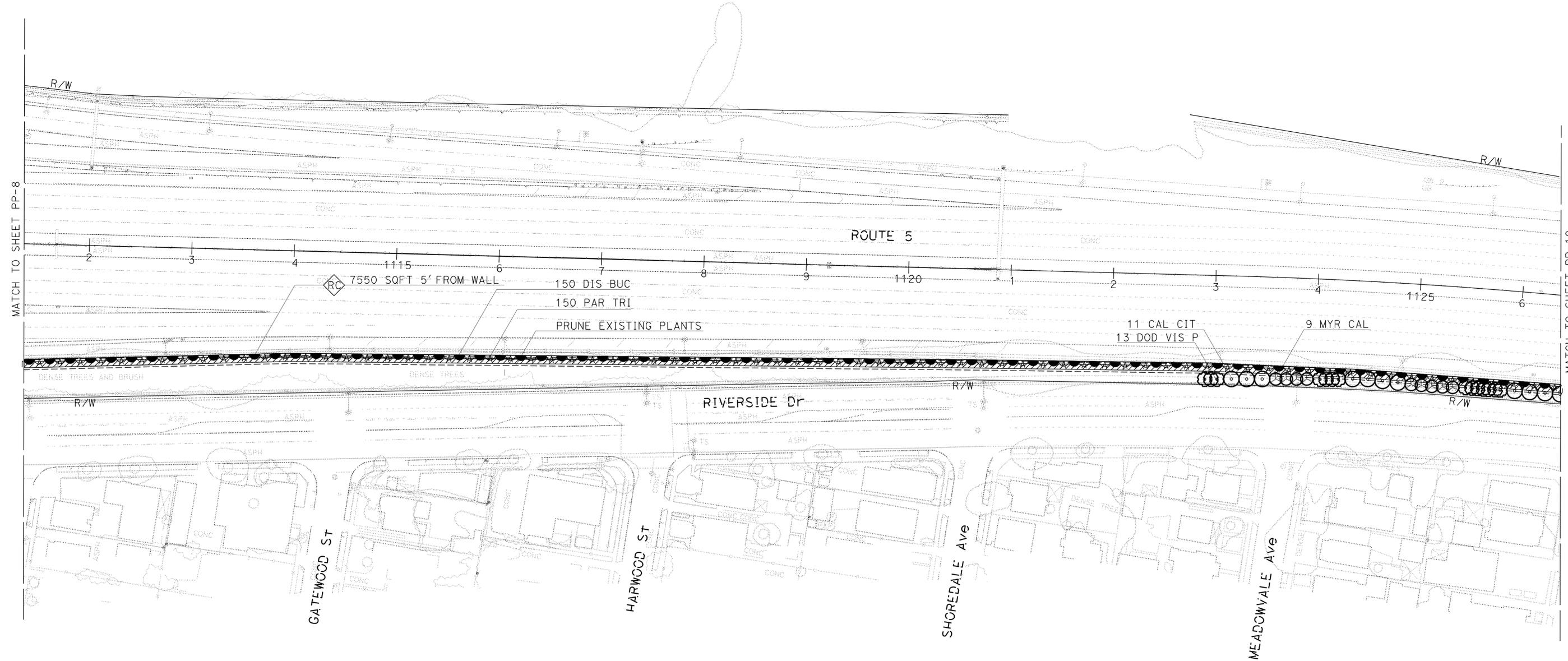
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 PATRICIA WATANABE

CALCULATED/DESIGNED BY
 CHECKED BY

KARIM SALARI
 KEITH SELLERS

REVISED BY
 DATE REVISED



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-9

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:31

NOTES:

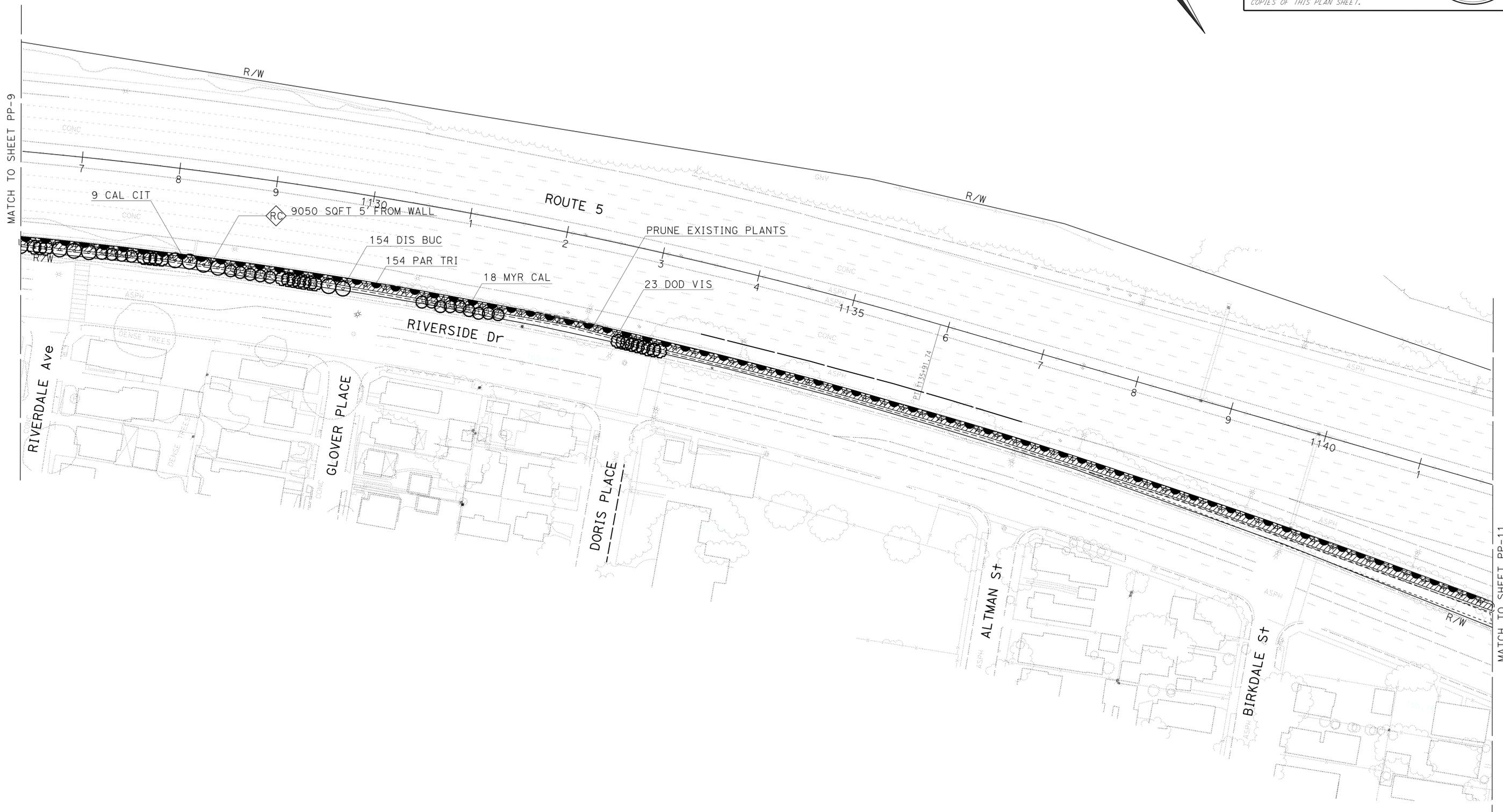
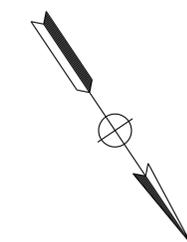
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 41 | 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: KEITH SELLERS
 CHECKED BY: KARIM SALARI
 REVISED BY: KEITH SELLERS
 DATE REVISED:

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-10

LAST REVISION: 00-00-00 DATE PLOTTED => 21-JAN-2014 TIME PLOTTED => 1:3:31

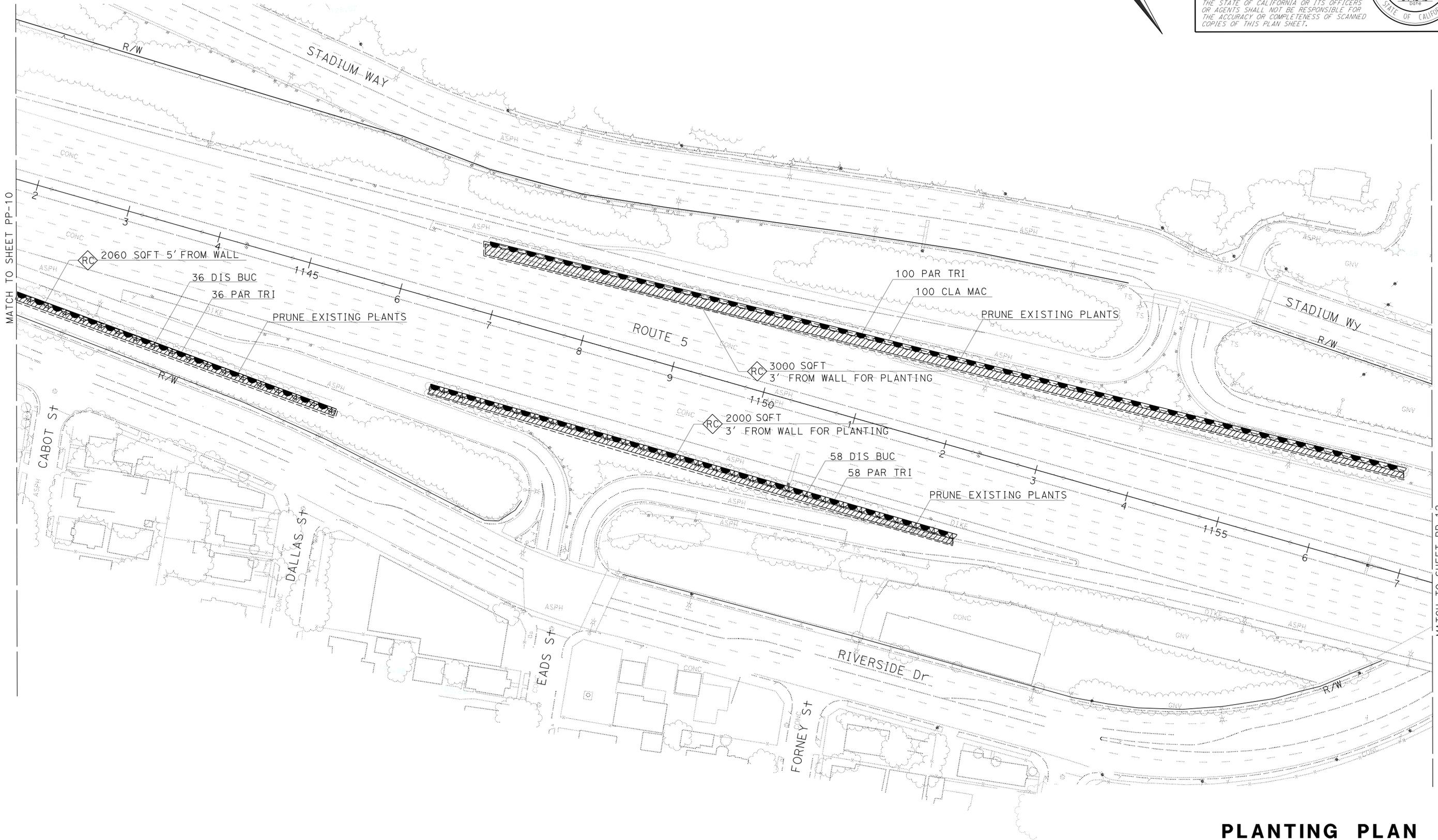
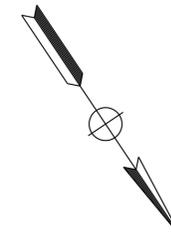
NOTES:

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 | 42 | 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
 DESIGNED BY: KEITH SELLERS
 CHECKED BY: KEITH SELLERS
 REVISED BY: KARIM SALARI
 DATE REVISED:

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-11

LAST REVISION | DATE PLOTTED => 21-JAN-2014 | 00-00-00 | TIME PLOTTED => 13:31

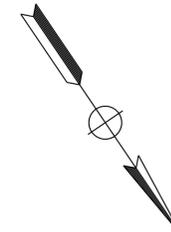
NOTES:

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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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

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-12

NOTES:

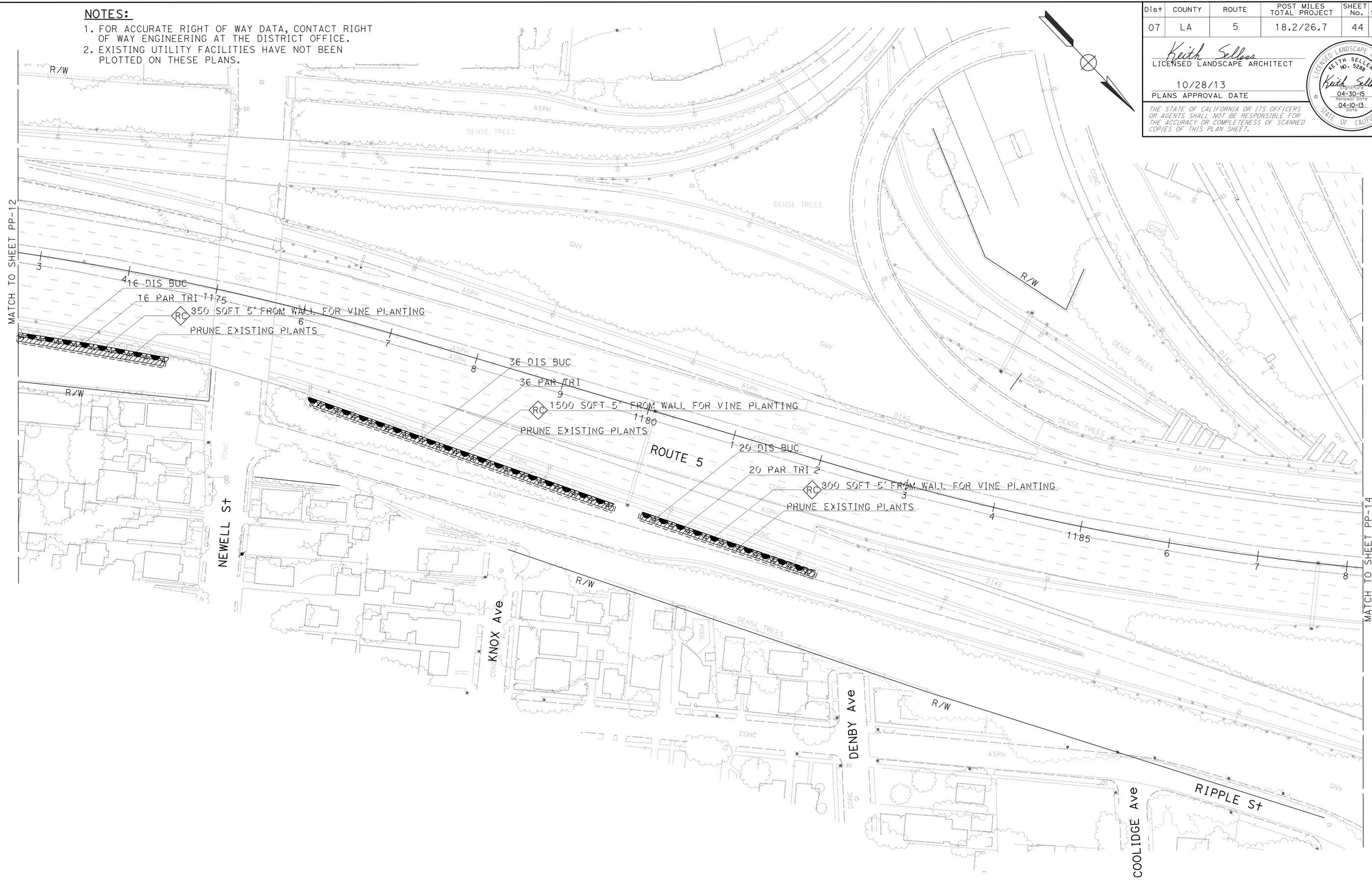
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 44 | 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: KEITH SELLERS
 CHECKED BY: KARIM SALARI
 REVISED BY: KEITH SELLERS
 DATE REVISED:

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-13

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 00-00-00 | TIME PLOTTED => 1:31:31

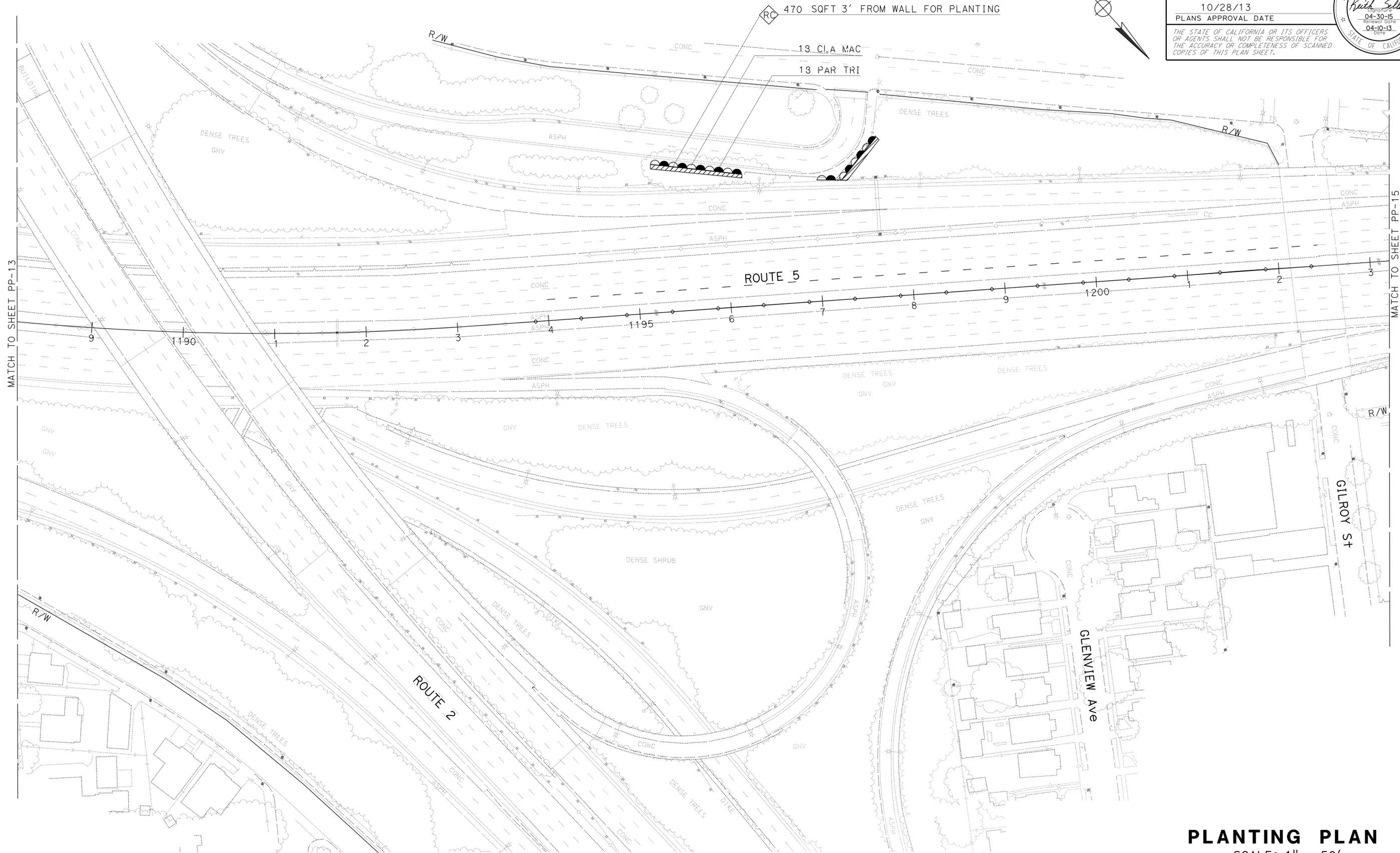
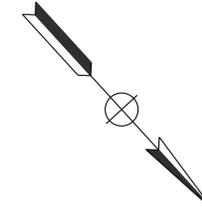
NOTES:

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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 45 | 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: KEITH SELLERS
 CHECKED BY: KARIM SALARI
 REVISED BY: KEITH SELLERS
 DATE REVISED:

APPROVED FOR PLANTING WORK ONLY

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



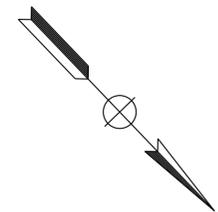
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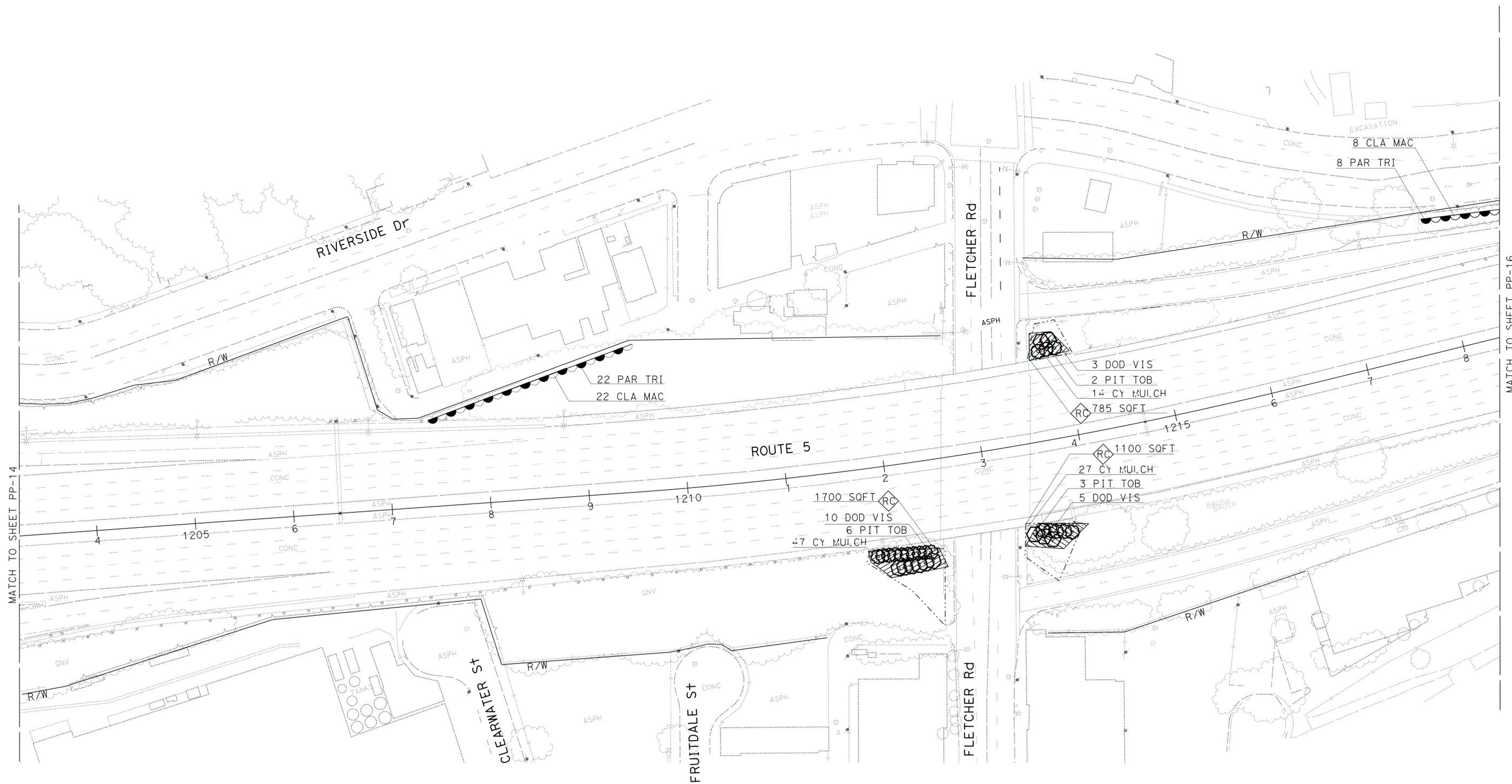
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 46 | 69 |

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
 KEITH SELLERS



PLANTING PLAN
 SCALE: 1" = 50'
PP-15

APPROVED FOR PLANTING WORK ONLY

LAST REVISION DATE PLOTTED => 21-JAN-2014
 00-00-00 TIME PLOTTED => 13:51

NOTES:

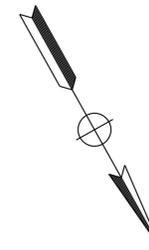
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| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 47 | 69 |

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.



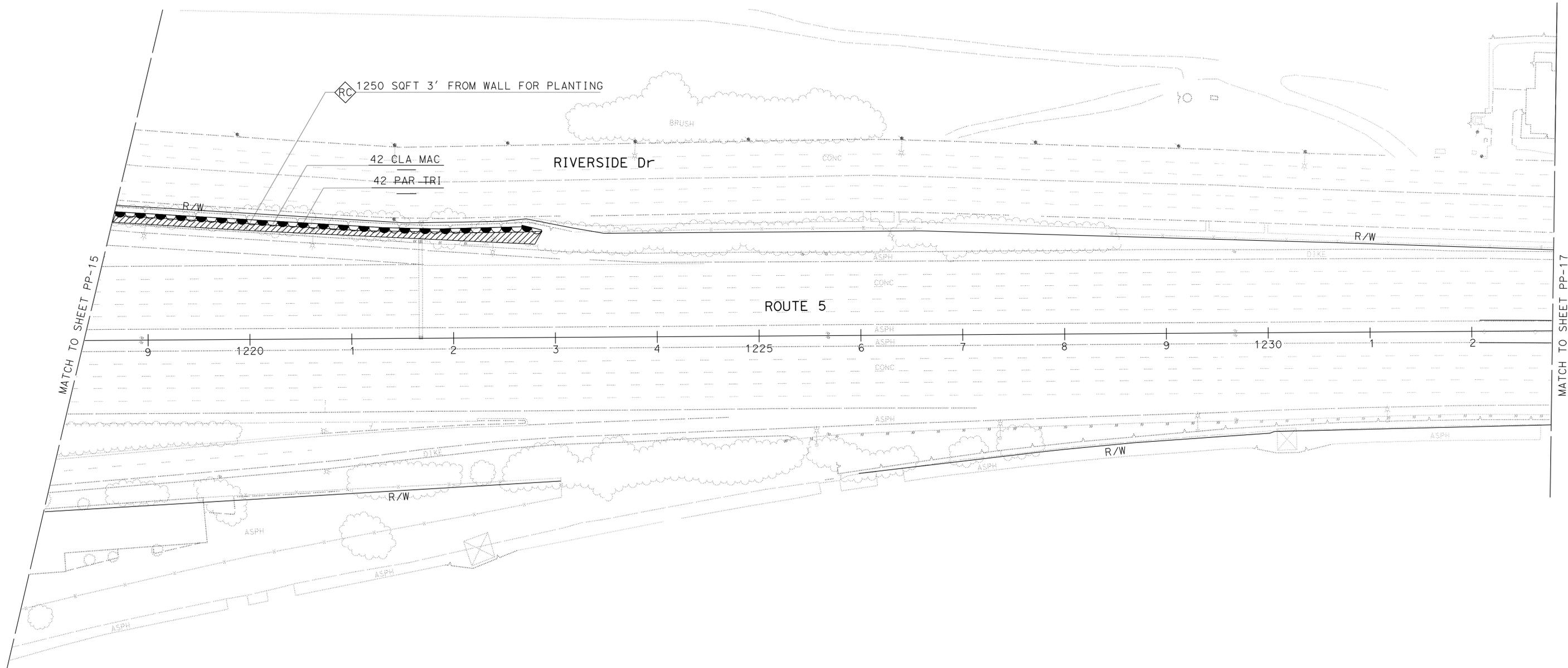
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
PATRICIA WATANABE

CALCULATED-DESIGNED BY
CHECKED BY

KARIM SALARI
KEITH SELLERS

REVISED BY
DATE REVISED



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
SCALE: 1" = 50'
PP-16

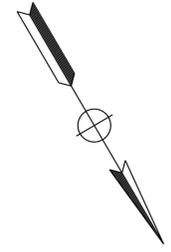
NOTES:

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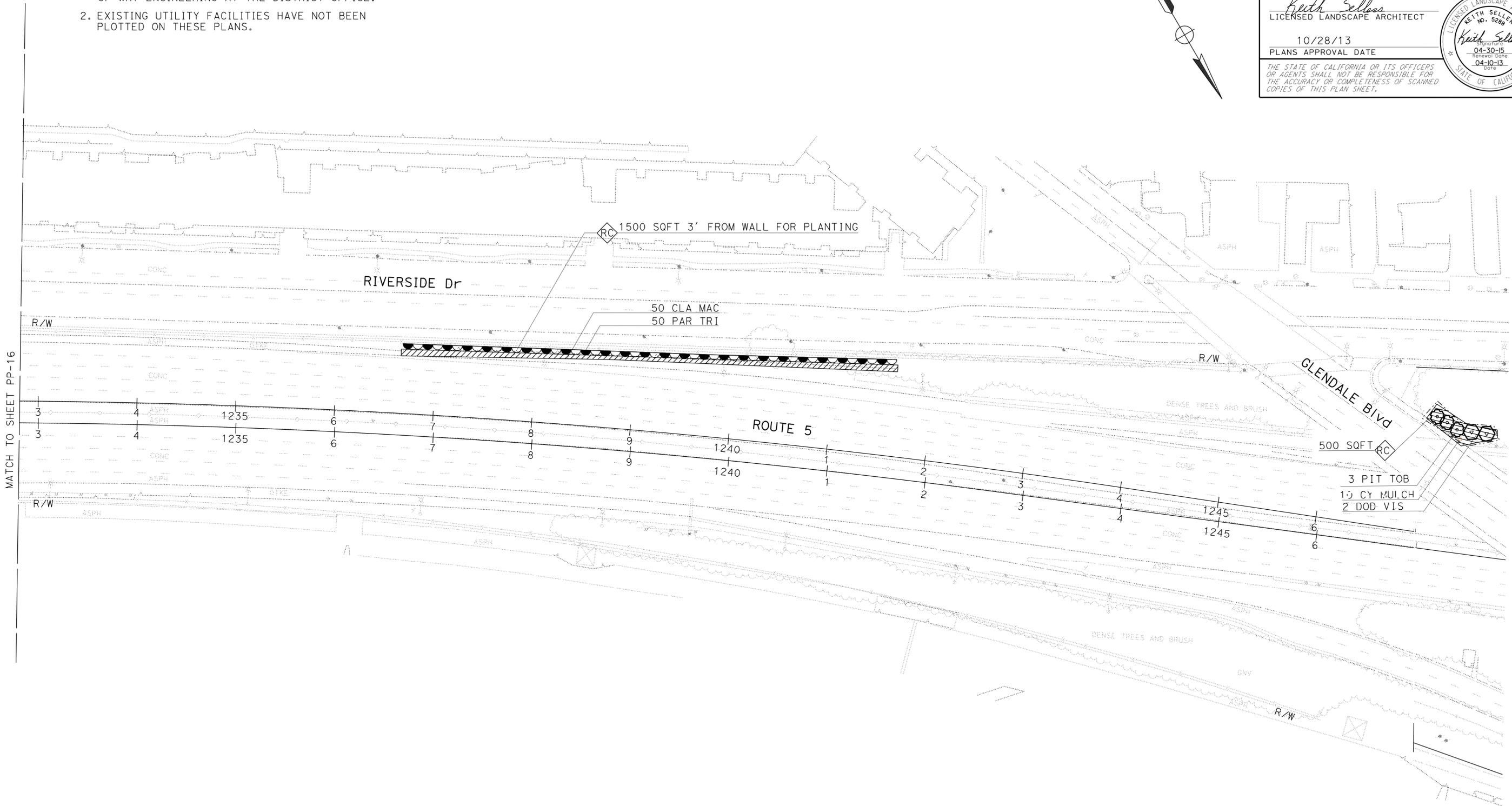
| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 48 | 69 |

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



MATCH TO SHEET PP-16

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-17

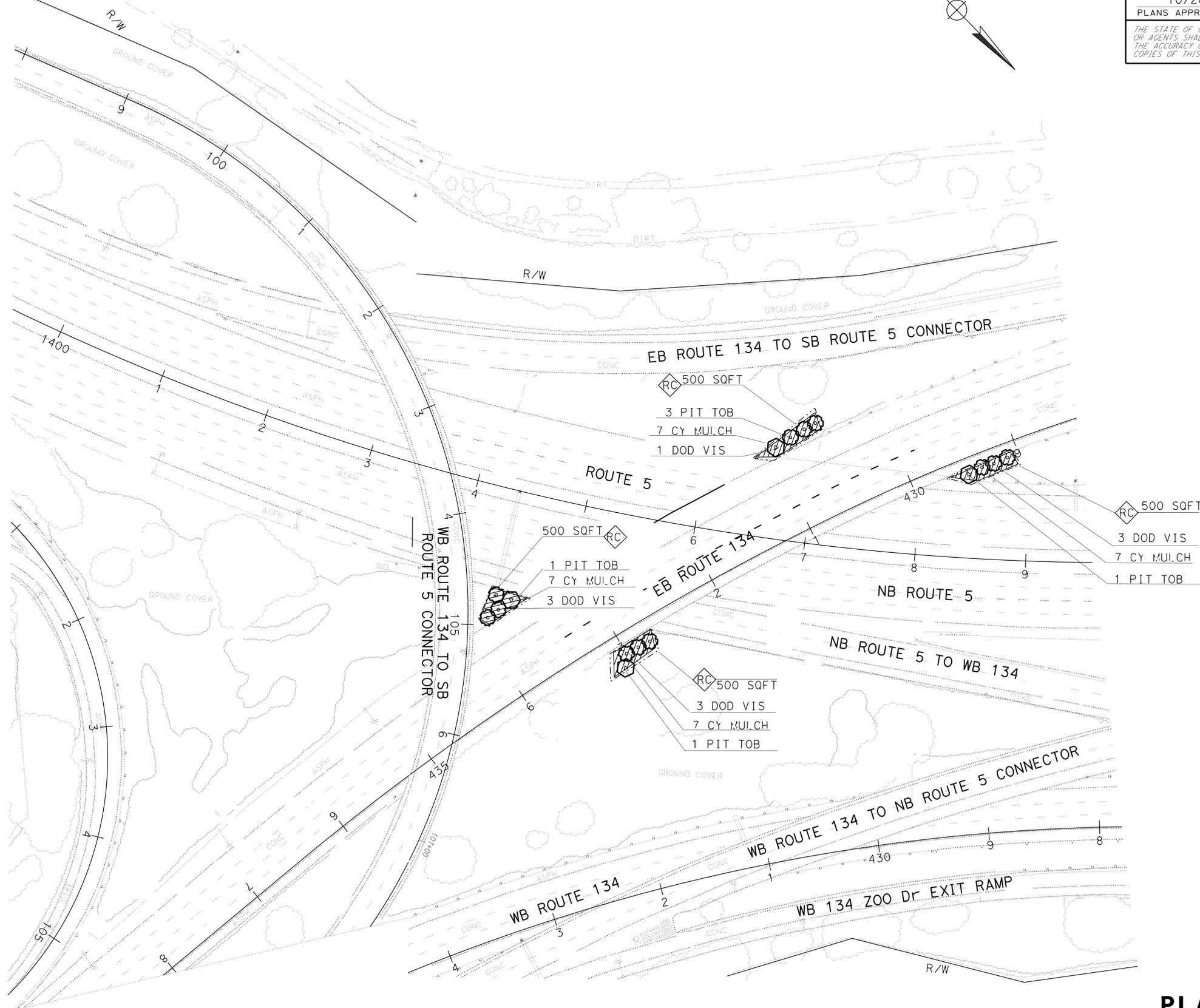
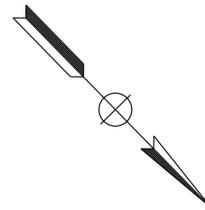
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Keith Sellers
 LICENSED LANDSCAPE ARCHITECT
 10/28/13
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| | | | |
|--|----------------------------|-------------|---------------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | SENIOR LANDSCAPE ARCHITECT | DESIGNED BY | REVISOR |
| Caltrans LANDSCAPE ARCHITECTURE | PATRICIA WATANABE | CHECKED BY | KARIM SALARI |
| | | | KEITH SELLERS |
| | | | DATE REVISED |

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1" = 50'
PP-18



LAST REVISION: 00-00-00
 DATE PLOTTED => 21-JAN-2014
 TIME PLOTTED => 1:3:31

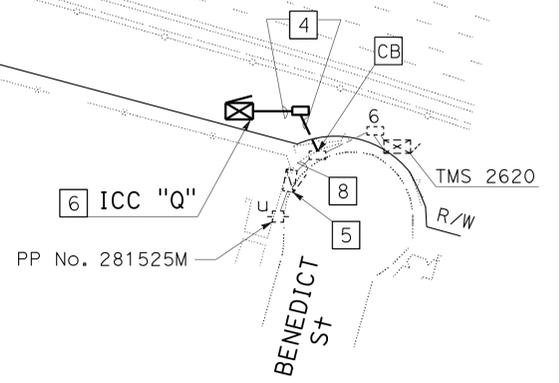
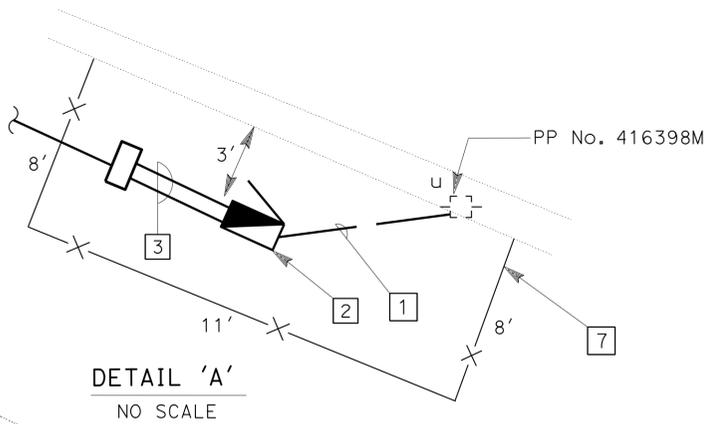
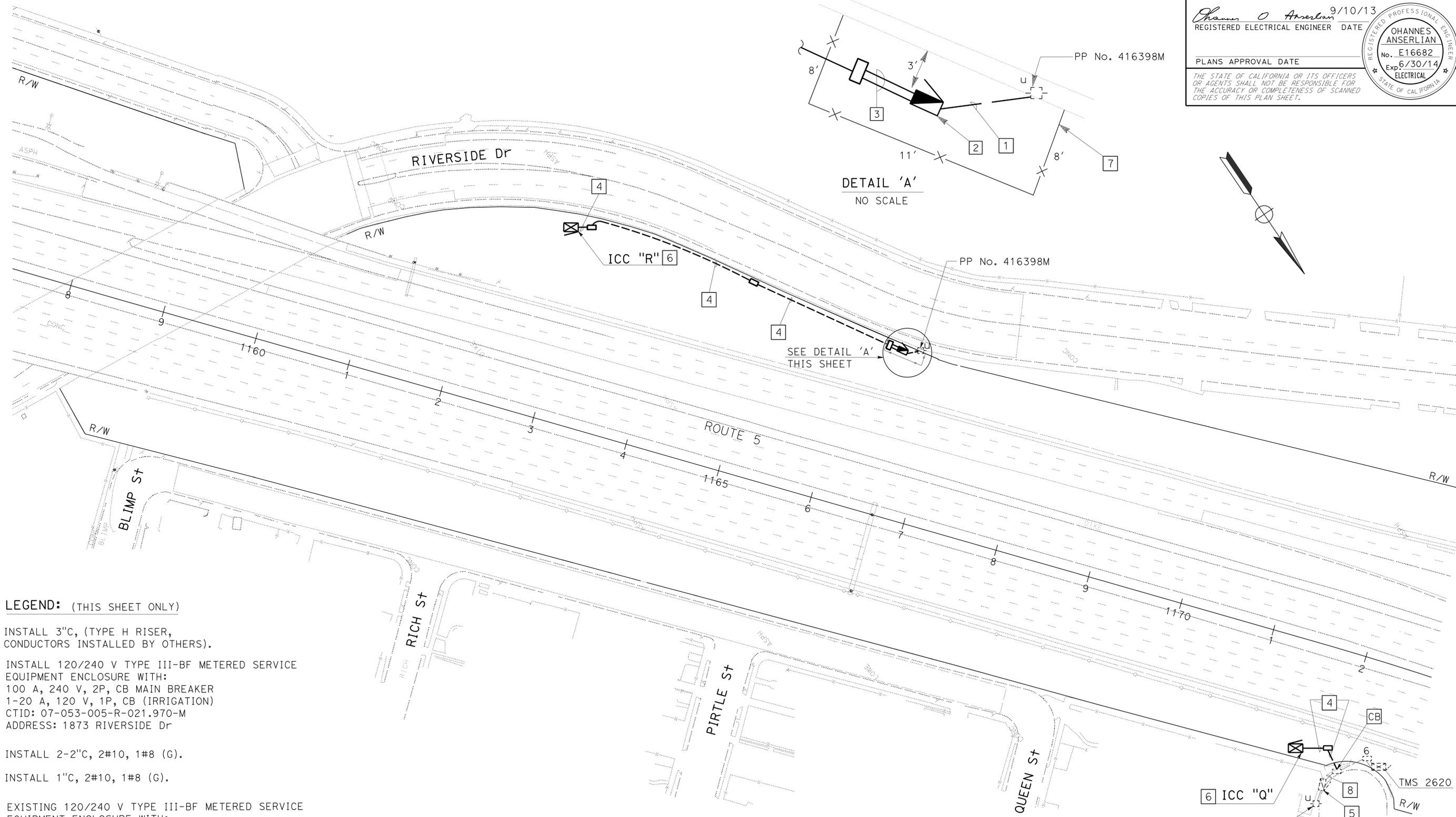
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 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

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 (DEMARICATION)
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'

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans
 TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 OSWALD ELIZONDO
 LIEN VO
 OHANNES ANSERLIAN
 REVISOR
 DATE REVISOR
 DATE REVISOR

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

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 51 | 69 |

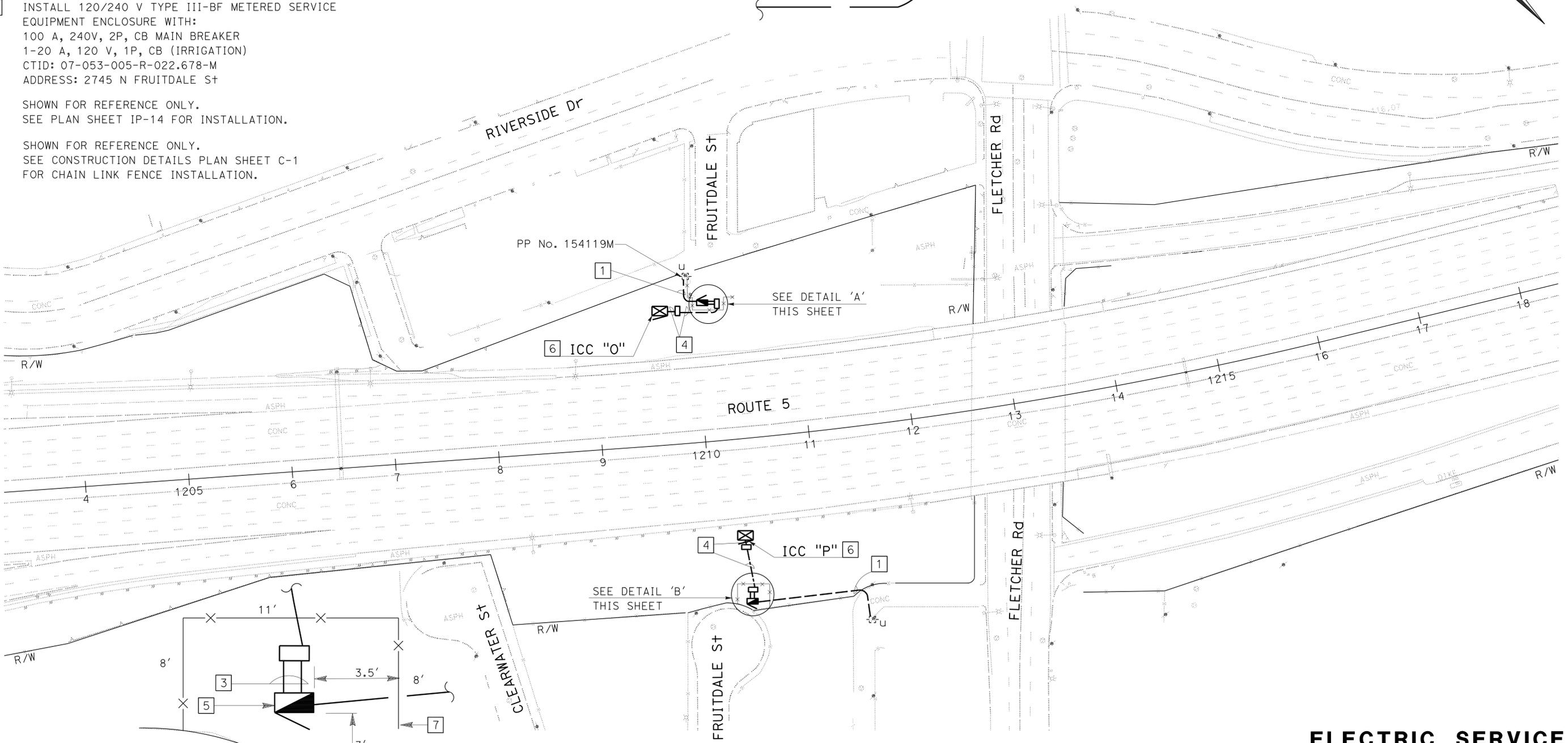
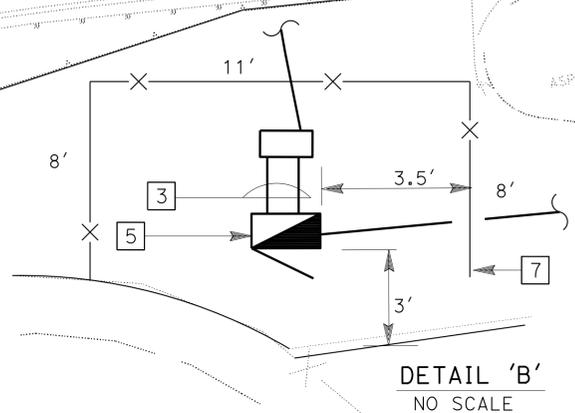
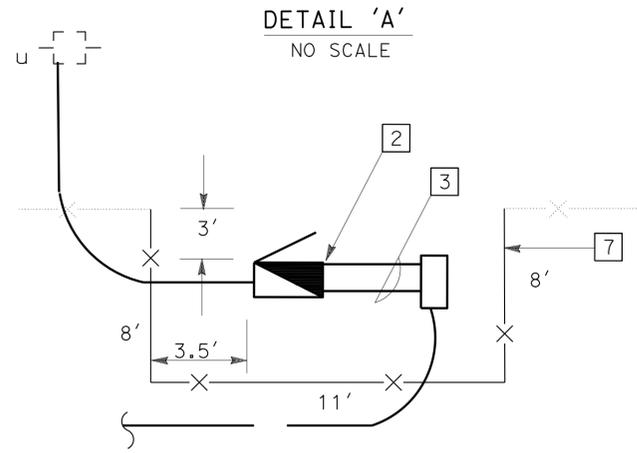
9/10/13
 REGISTERED ELECTRICAL ENGINEER DATE
OHANNES ANSERLIAN
 No. E16682
 Exp 6/30/14
 ELECTRICAL
 STATE OF CALIFORNIA

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, 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.



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

APPROVED FOR ELECTRICAL WORK ONLY

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
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

| 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

PLANS APPROVAL DATE _____

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
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 CHECKED BY
 LIEN VO
 OHANNES ANSERLIAN
 REVISED BY
 DATE REVISED

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.

ELECTRICAL QUANTITIES

E-3

LAST REVISION | DATE PLOTTED => 21-JAN-2014
 06-04-13 | TIME PLOTTED => 1:31

| | | |
|------------|--|--|
| | 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 | |
| Obir | 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 | PREFORMED 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 | |
| Qty | QUANTITY | |
| | 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 | |
| Sht | SHEET | |
| Sim | SIMILAR | |
| ± | 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 | |
| Tot | TOTAL | |
| TP | TELEPHONE POLE | |
| TPB | TREATED PERMEABLE BASE | |
| TPM | TREATED PERMEABLE MATERIAL | |
| Trans | TRANSITION | |

| | | |
|-------|---|----------|
| | T continued | |
| TS | TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL | |
| 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

REGISTERED PROFESSIONAL ENGINEER
 Grace M. Tsushima
 No. C49814
 Exp. 9-30-14
 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.

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 |
| ø | 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)**

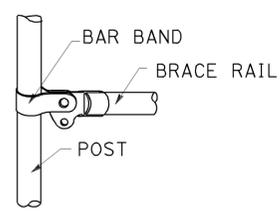
NO SCALE

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

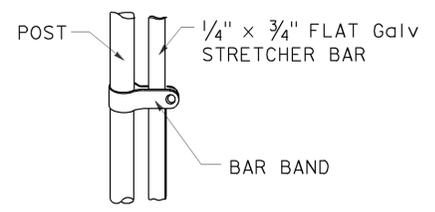
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 54 | 69 |

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE
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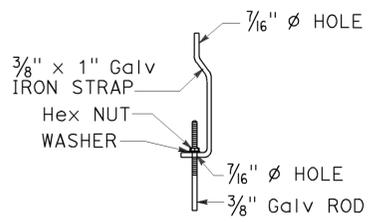
REGISTERED PROFESSIONAL ENGINEER
 Glenn DeCou
 No. C34547
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA



BRACE RAIL



STRETCHER BAR

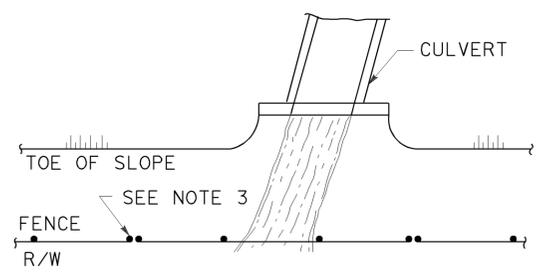


TRUSS TIGHTENER

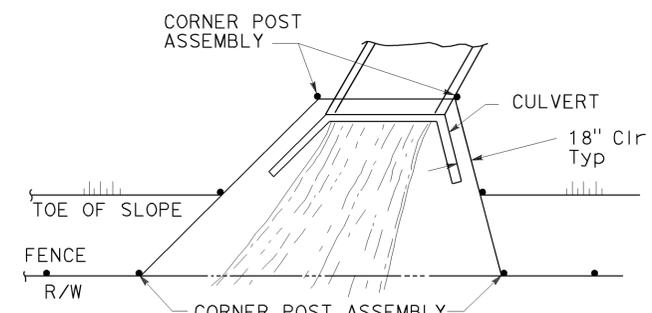
NOTES:

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.

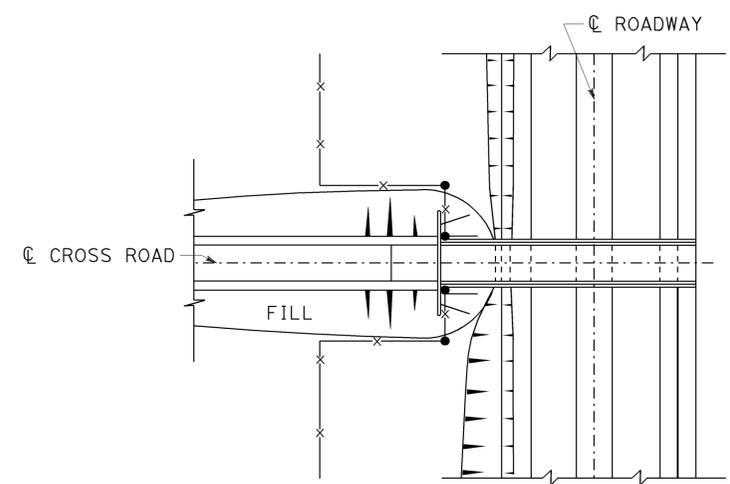
TO ACCOMPANY PLANS DATED 10-28-13



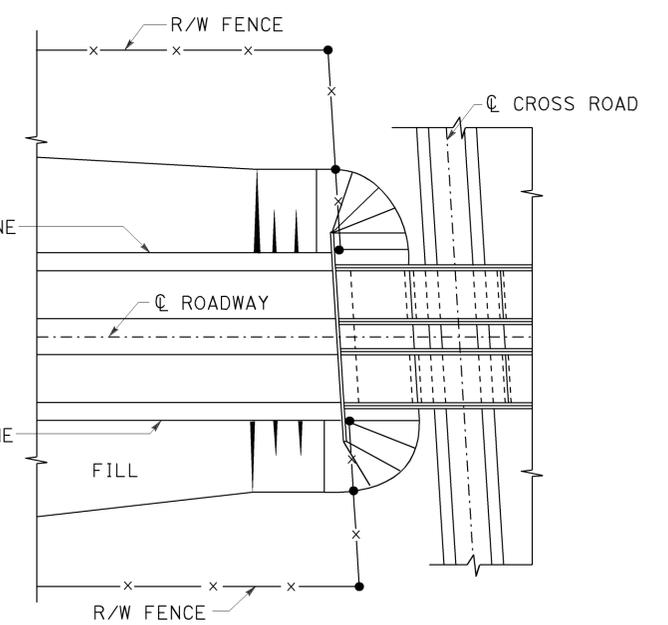
PLAN



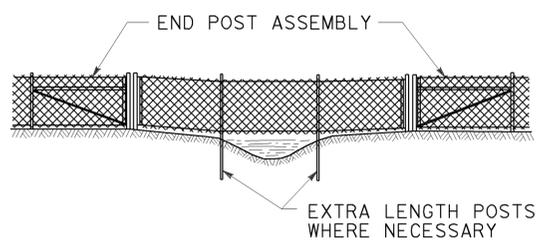
PLAN



PLAN OF ROADWAY - OVERCROSSING

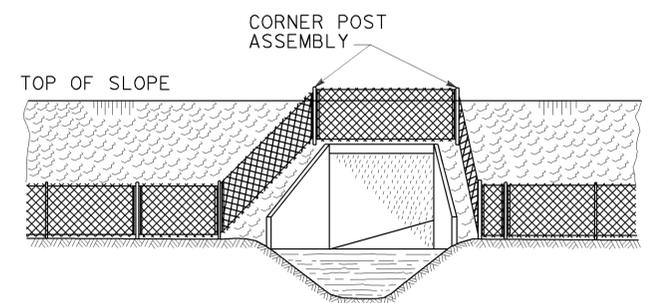


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

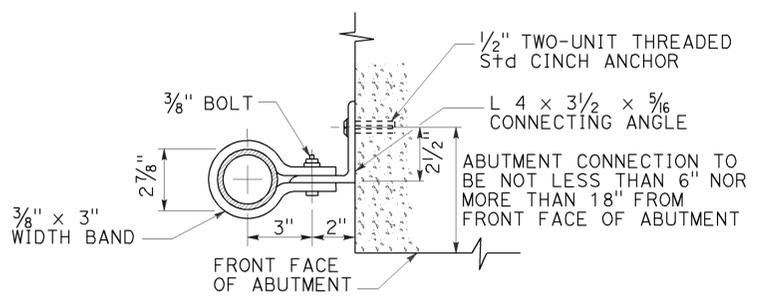
INSTALLATION OVER STREAM



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

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

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 |
| Ck+ | 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 | | |

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

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

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

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 |

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 |

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

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 | 56 | 69 |

Theresa Gabriel
 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

CONDUIT

SIGNAL EQUIPMENT

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

| 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) |

SIGNAL EQUIPMENT Cont

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

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 |

| NEW | EXISTING | |
|-----|----------|---|
| | | 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 |

NOTES:

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

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 |

ILLUMINATED OVERHEAD SIGN

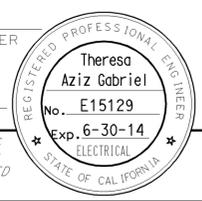
| NEW | EXISTING | |
|-----|----------|--|
| | | SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY |
| | | SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY |
| | | SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER |
| | | DOUBLE POST, SINGLE ILLUMINATED SIGN |
| | | SINGLE ILLUMINATED 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

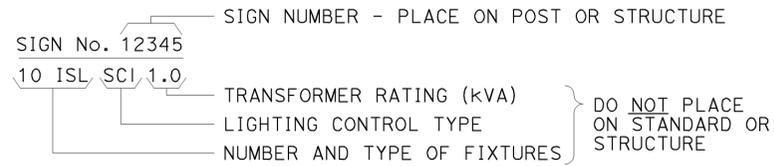
2010 REVISED STANDARD PLAN RSP ES-1B



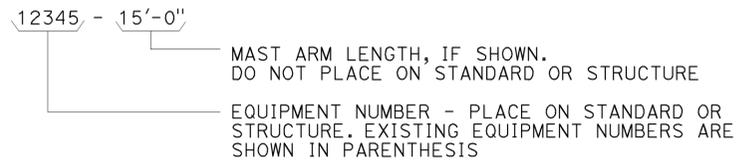
TO ACCOMPANY PLANS DATED 10-28-13

EQUIPMENT IDENTIFICATION

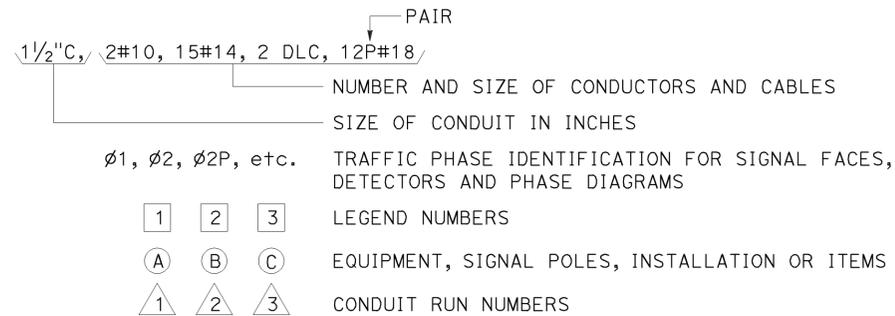
ILLUMINATED SIGN IDENTIFICATION NUMBER:



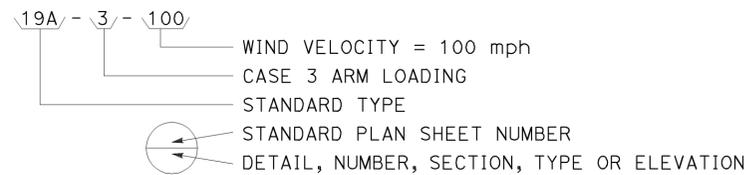
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



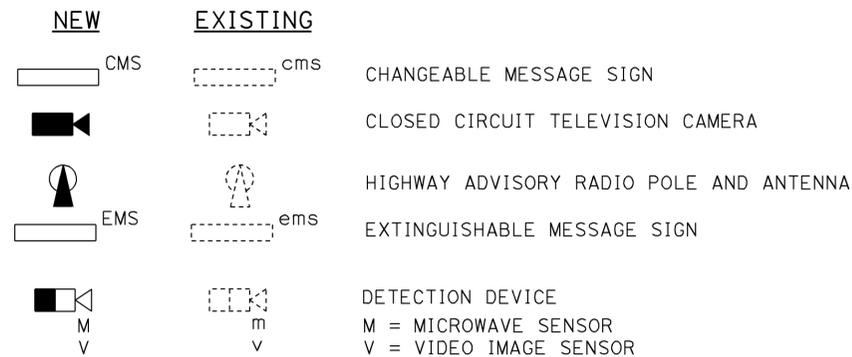
CONDUIT AND CONDUCTOR IDENTIFICATION:



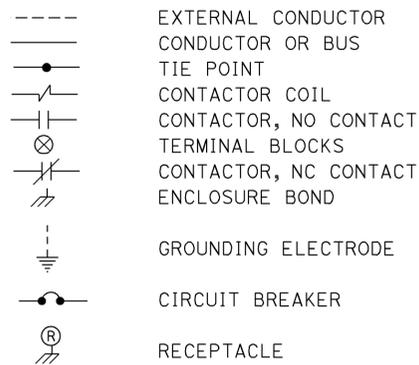
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



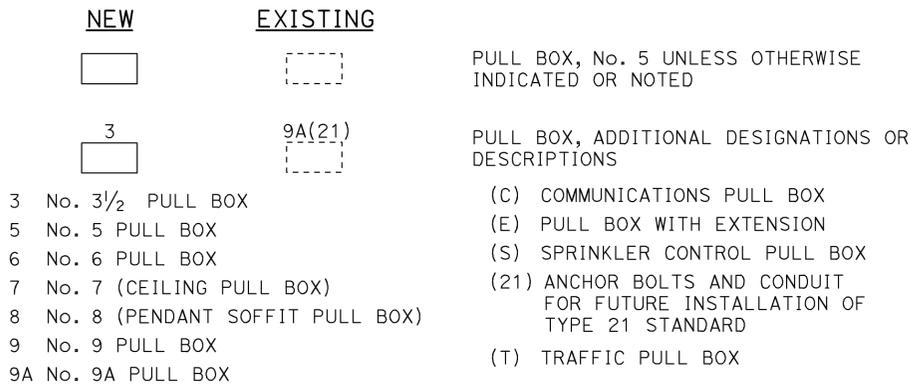
MISCELLANEOUS EQUIPMENT



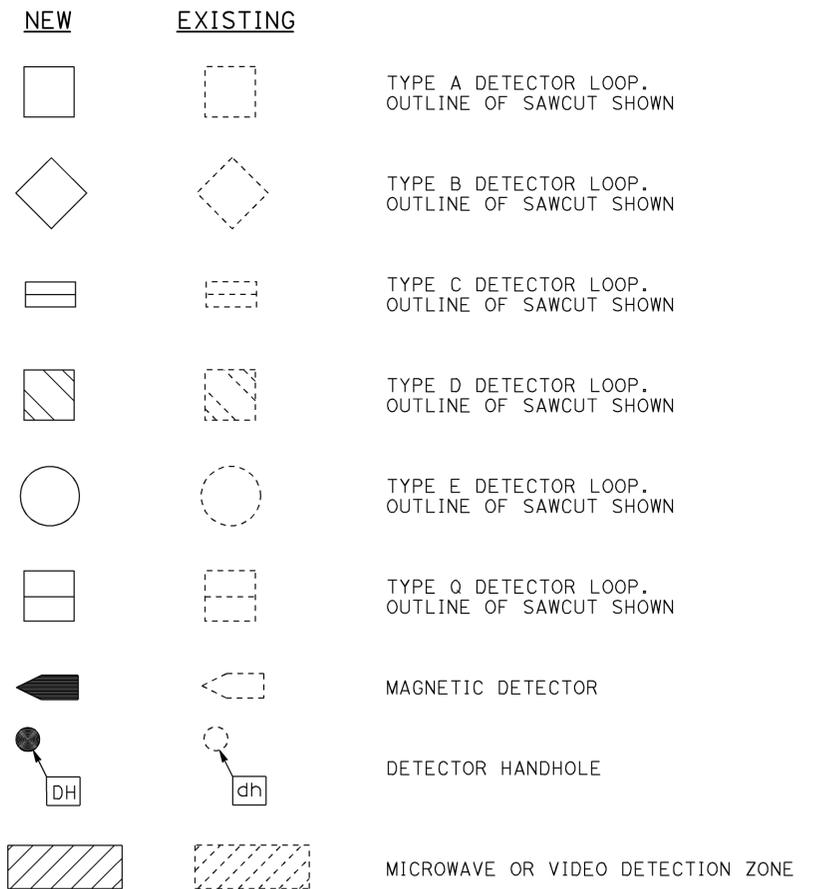
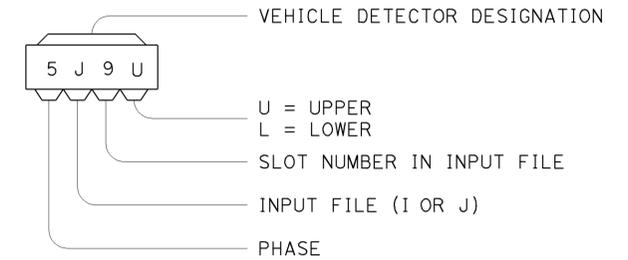
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

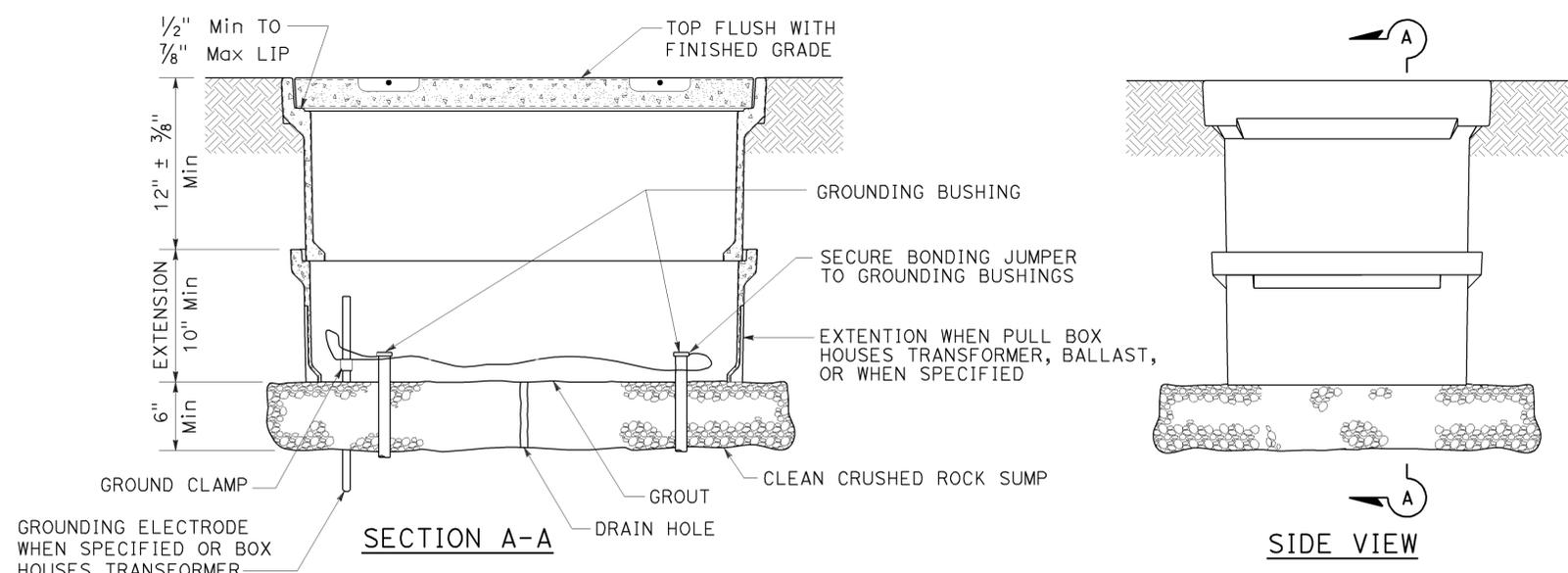
RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1C

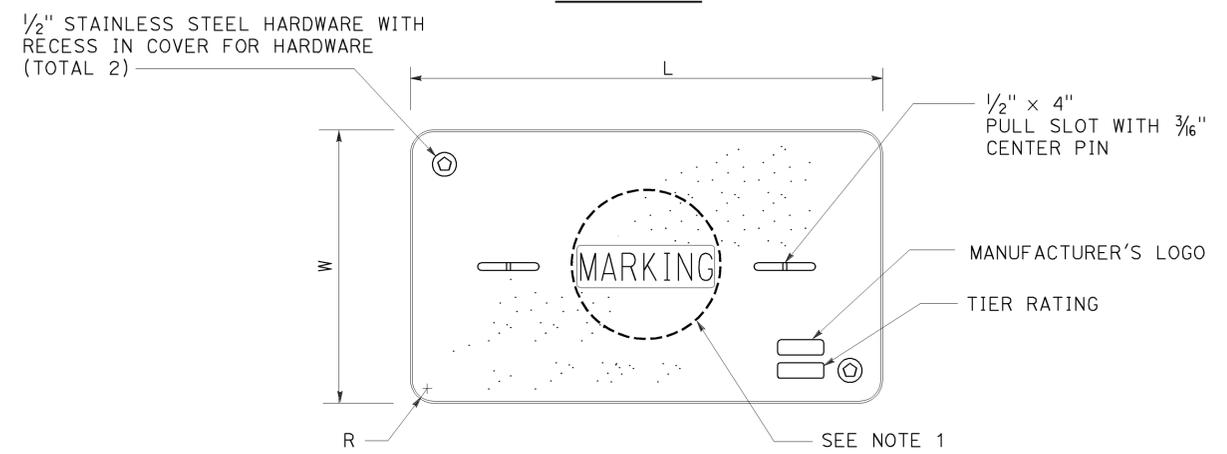
2010 REVISED STANDARD PLAN RSP ES-1C

TO ACCOMPANY PLANS DATED 10-28-13

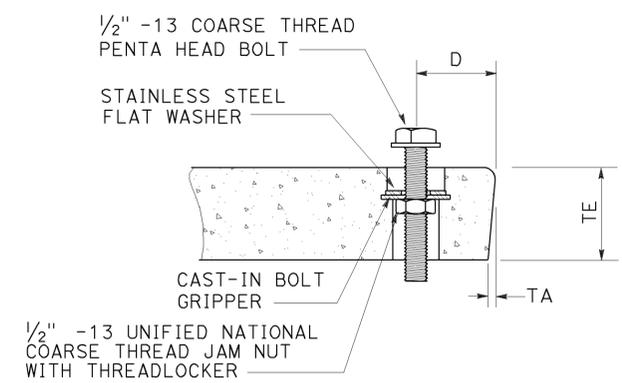
2010 REVISED STANDARD PLAN RSP ES-8A



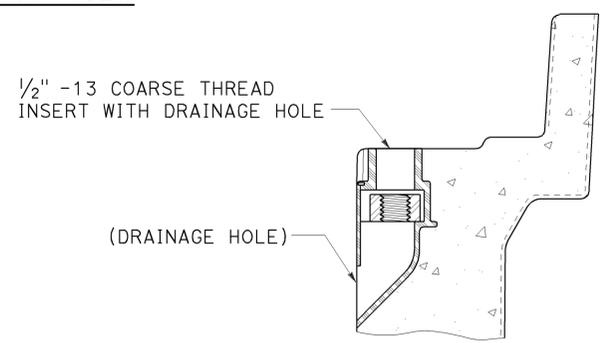
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

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 1/2 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.

| 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 1/2 | 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

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

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
 ElecT 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
 MtI 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
 RCVP 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

| | | | | | |
|------|--------|-------|--------------------------|-----------|--------------|
| 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

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.

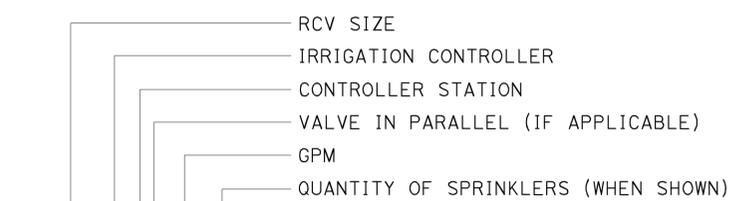
LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer
2-28-15
7-19-13
DATE

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 |



* 2 1/2" - A - 2b - 40 - 60

VALVE CODE

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

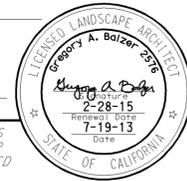
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LANDSCAPE AND EROSION CONTROL SYMBOLS
NO SCALE

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

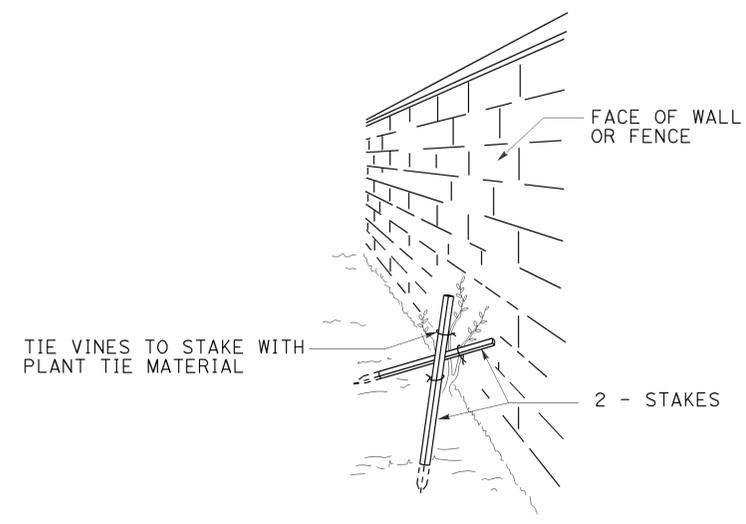
REVISED STANDARD PLAN RSP H2

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

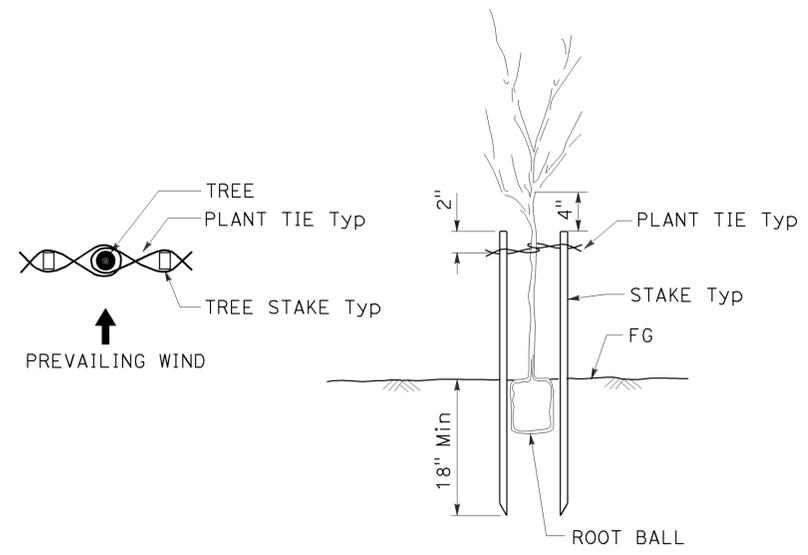
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



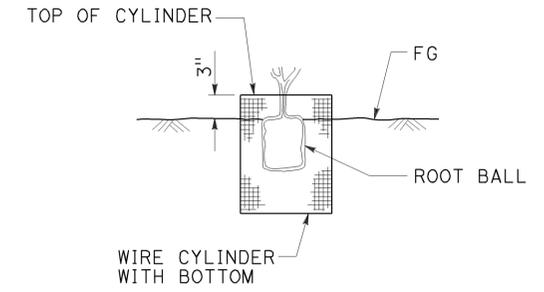
TO ACCOMPANY PLANS DATED 10-28-13



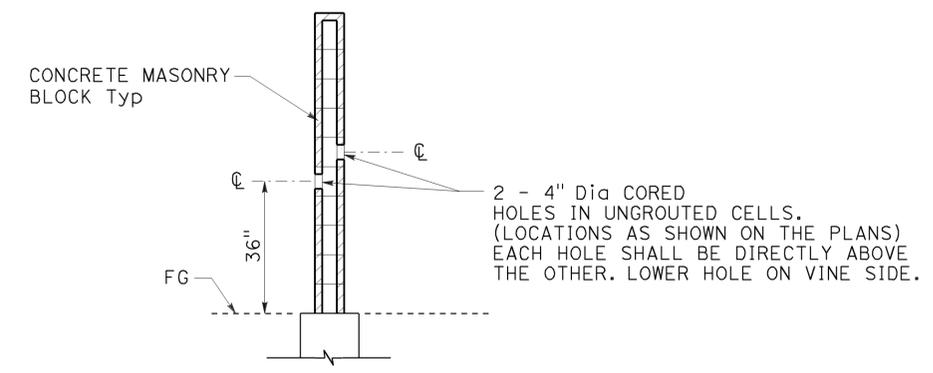
PERSPECTIVE VINE STAKING



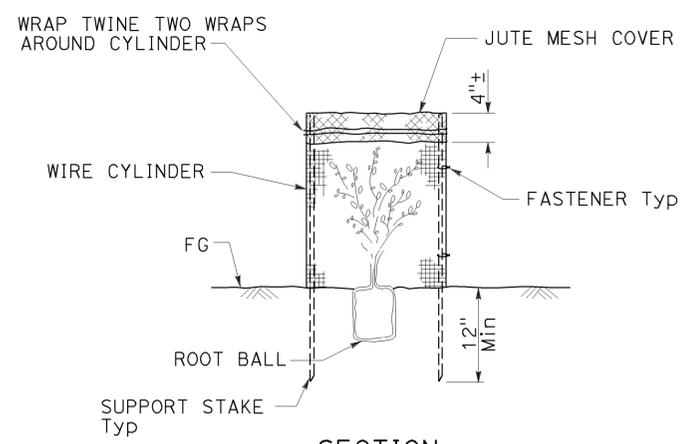
TREE STAKING



SECTION ROOT PROTECTOR



SECTION CORE HOLE (VINE)



SECTION FOLIAGE PROTECTOR

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
 NO SCALE

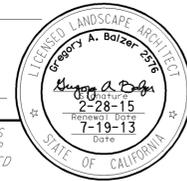
RSP H4 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H4 DATED MAY 20, 2011 - PAGE 221 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H4

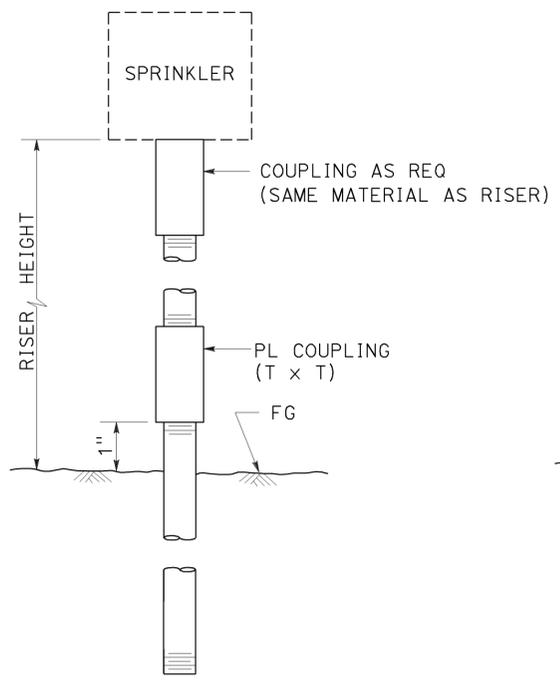
2010 REVISED STANDARD PLAN RSP H4

| | | | | | |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 62 | 69 |

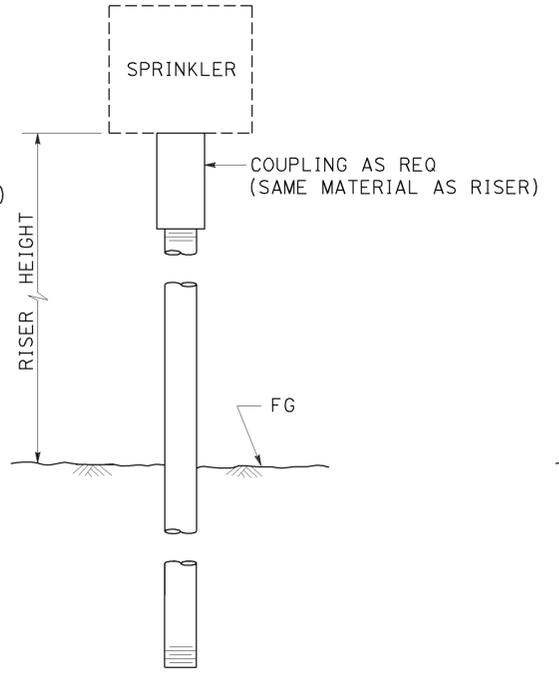
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



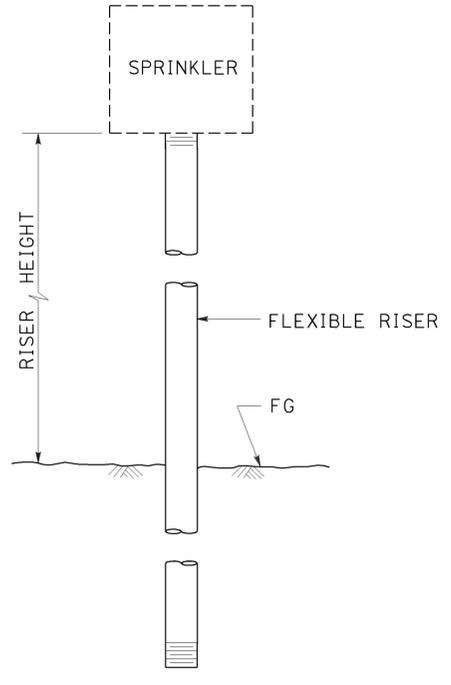
TO ACCOMPANY PLANS DATED 10-28-13



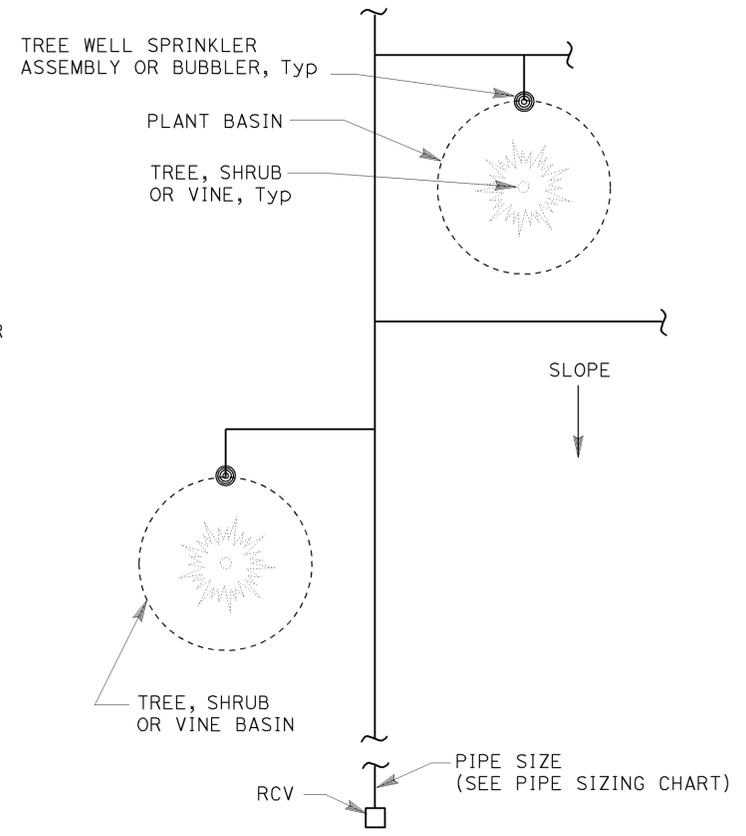
ELEVATION
RISER SPRINKLER ASSEMBLY TYPE I



ELEVATION
RISER SPRINKLER ASSEMBLY TYPE II



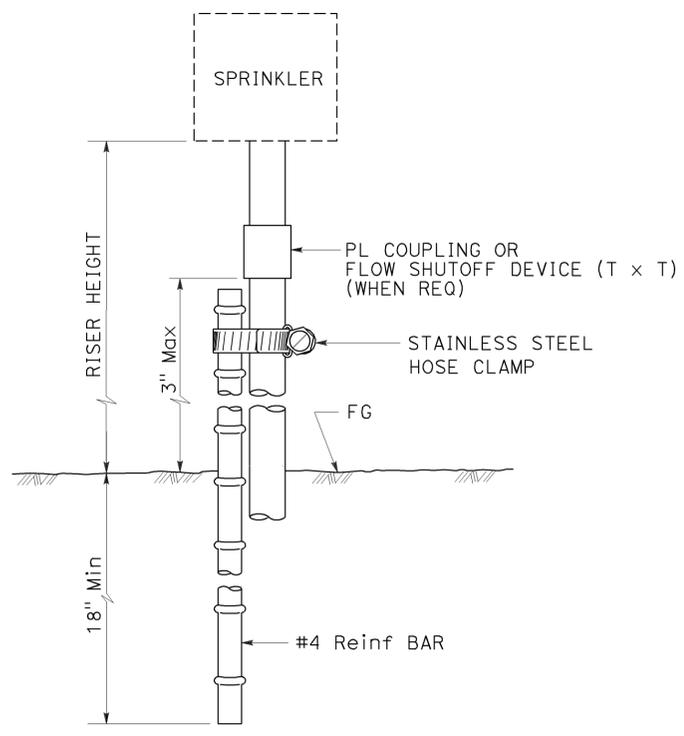
ELEVATION
RISER SPRINKLER ASSEMBLY TYPE III



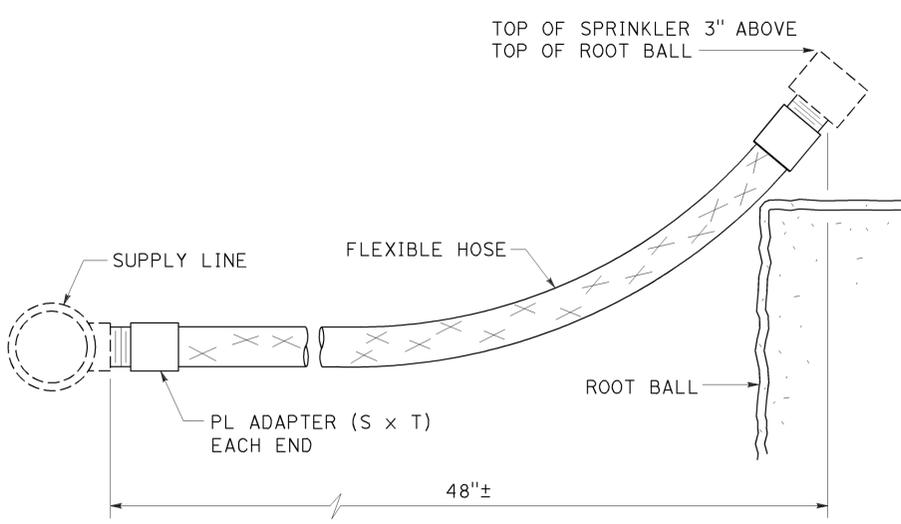
PLAN

NOTES:

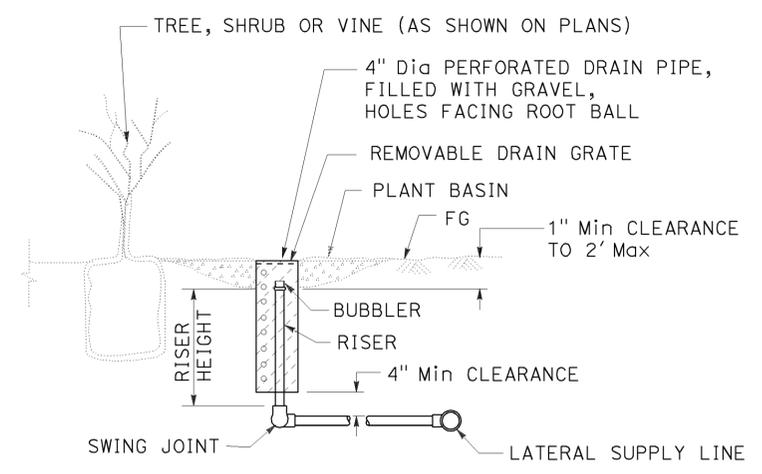
1. Install tree well sprinkler assembly on up-hill side of plant when on slope.
2. Install bubbler within basin.



ELEVATION
RISER SPRINKLER ASSEMBLY TYPE IV



ELEVATION
RISER SPRINKLER ASSEMBLY TYPE V



SECTION
TREE WELL SPRINKLER ASSEMBLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
NO SCALE

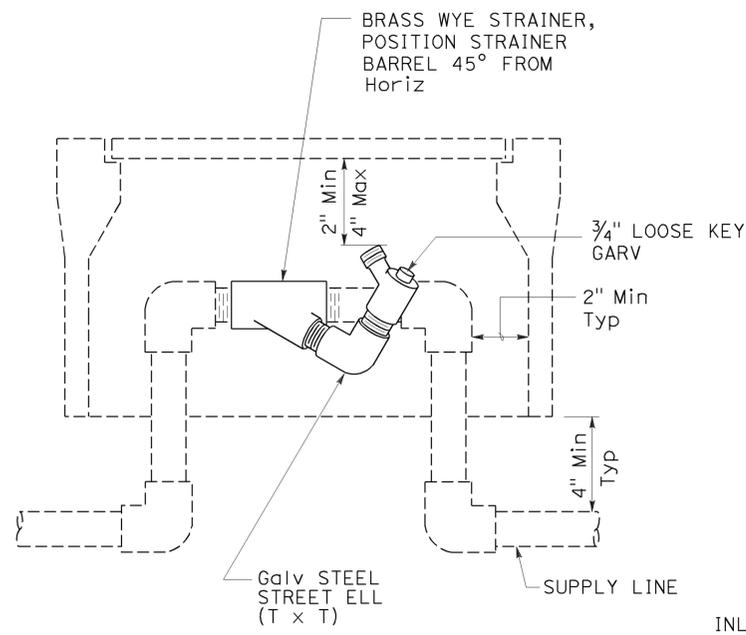
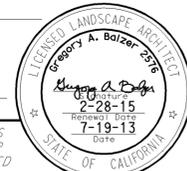
RSP H5 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H5 DATED MAY 20, 2011 - PAGE 222 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H5

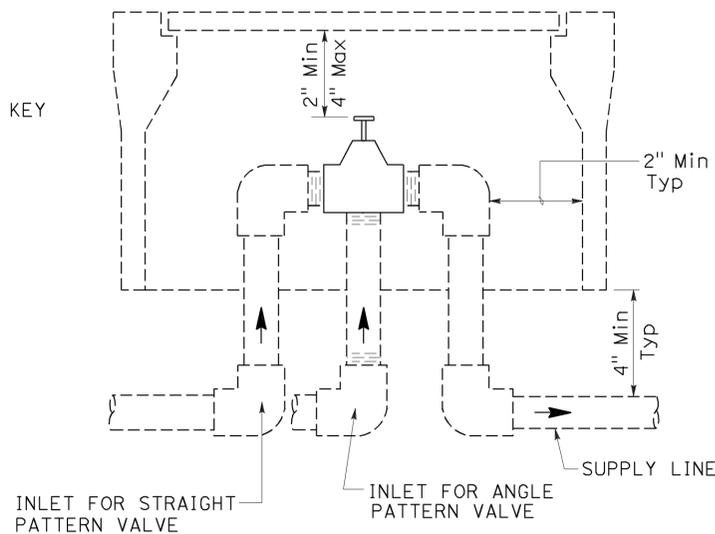
2010 REVISED STANDARD PLAN RSP H5

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

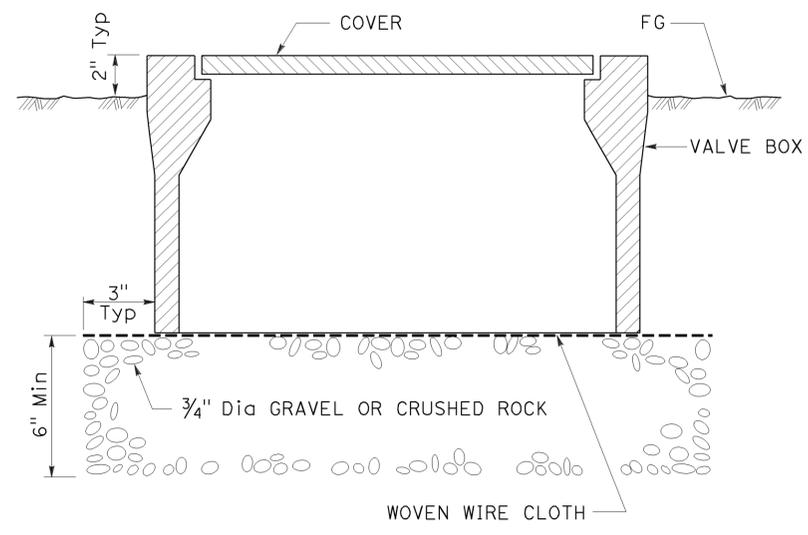
July 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



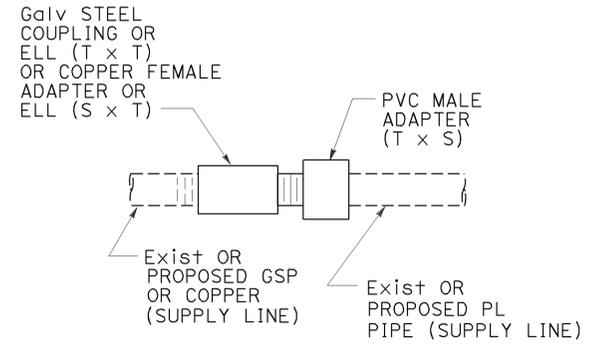
ELEVATION
WYE STRAINER ASSEMBLY



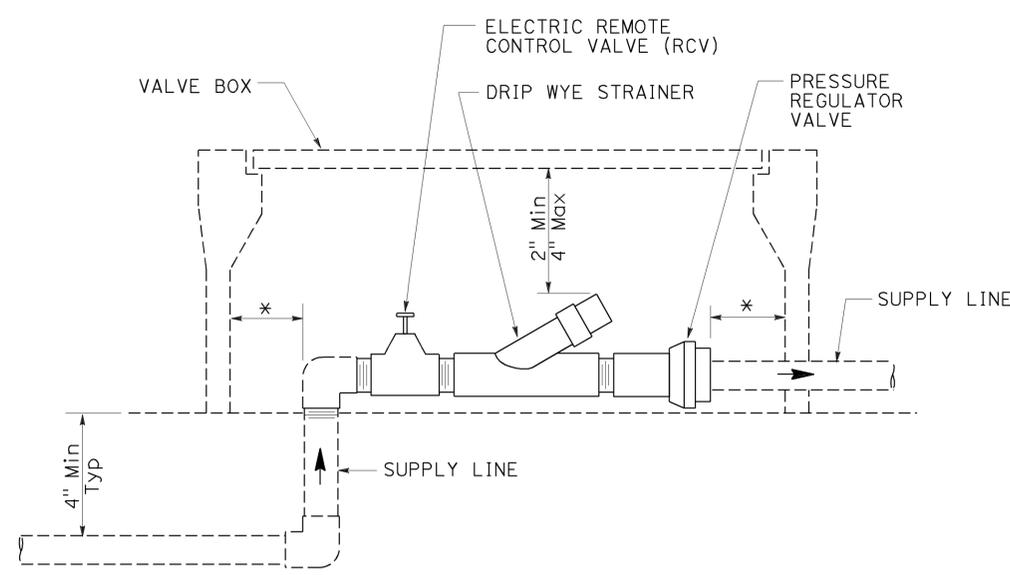
ELEVATION
VALVE



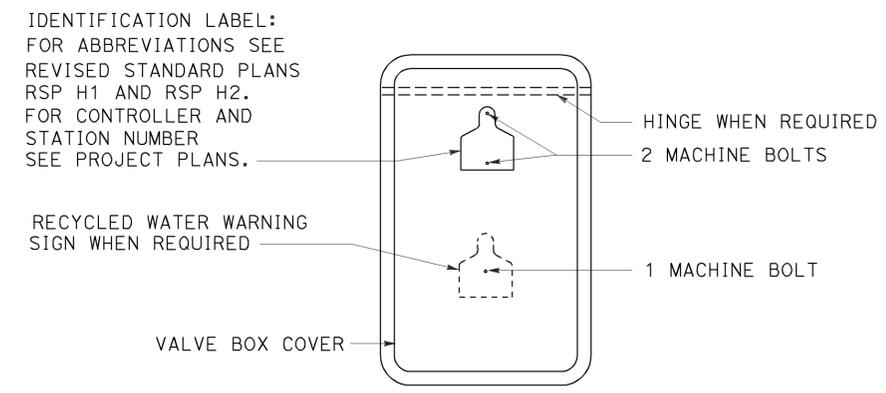
SECTION
VALVE BOX



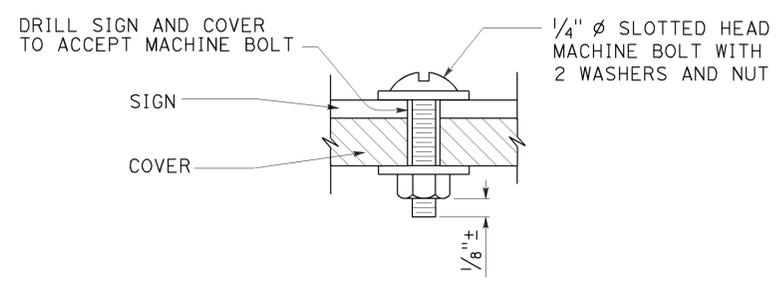
GALVANIZED OR COPPER PIPE CONNECTION TO PLASTIC PIPE



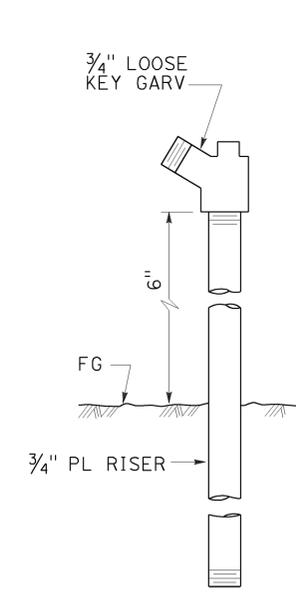
ELEVATION
DRIP VALVE ASSEMBLY



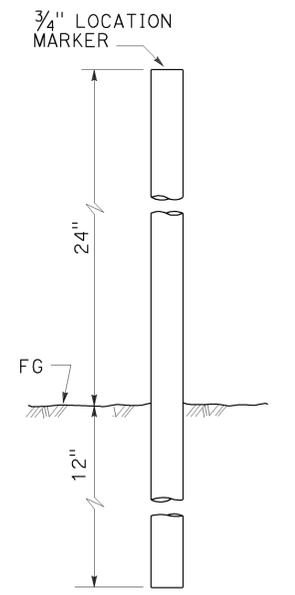
PLAN



SECTION
VALVE BOX IDENTIFICATION



ELEVATION
GARDEN VALVE ASSEMBLY



ELEVATION
LOCATION MARKER

GARDEN VALVE ASSEMBLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

NO SCALE

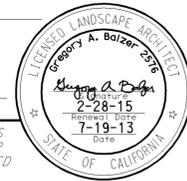
RSP H7 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H7 DATED MAY 20, 2011 - PAGE 224 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H7

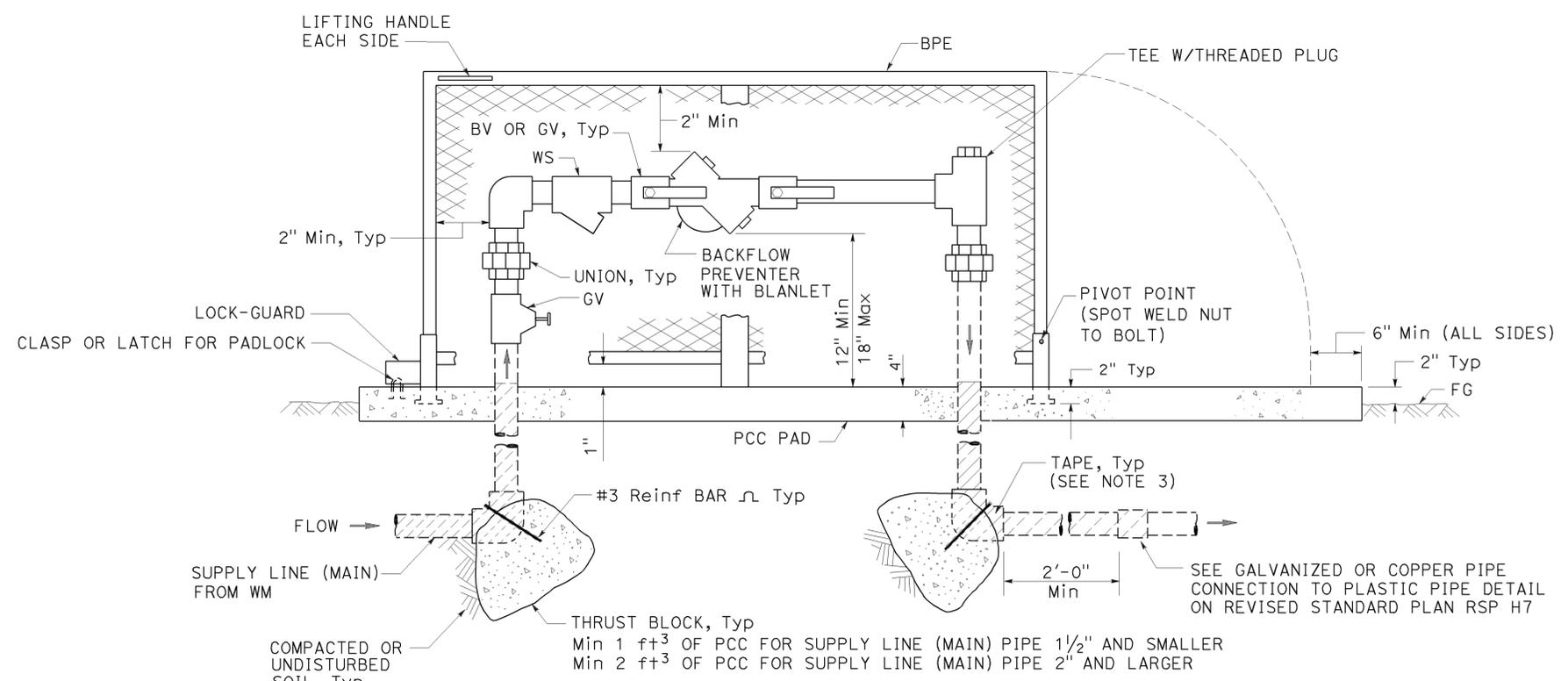
2010 REVISED STANDARD PLAN RSP H7

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



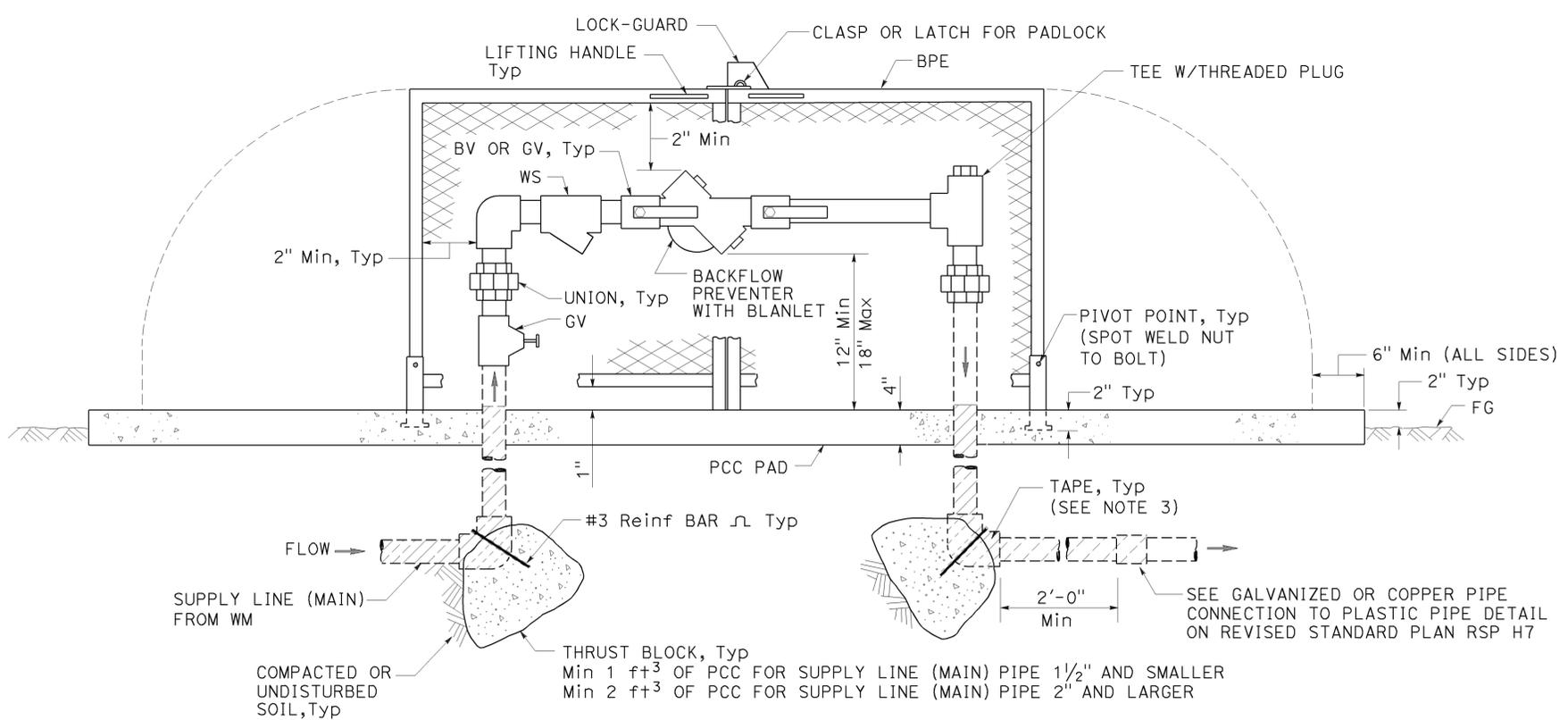
TO ACCOMPANY PLANS DATED 10-28-13



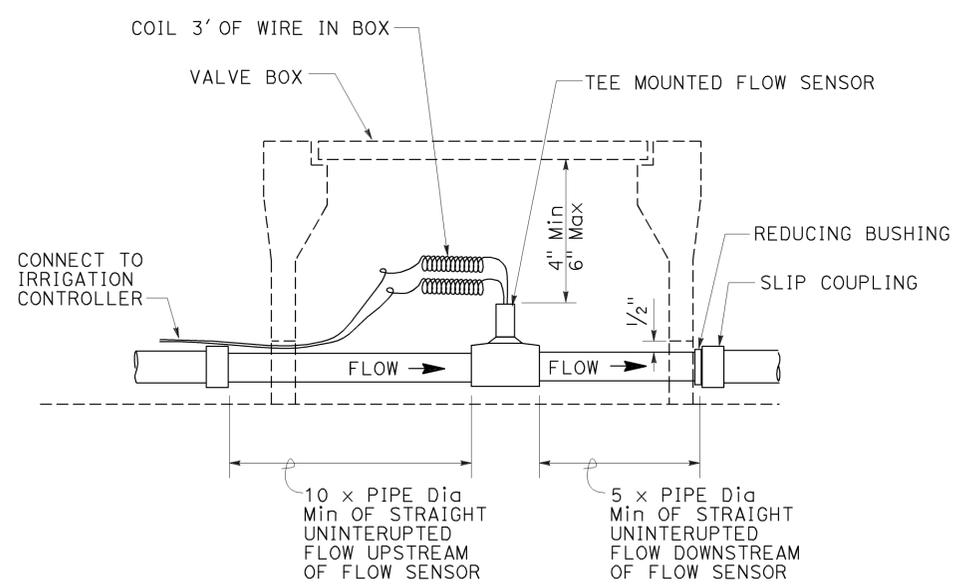
ELEVATION
BACKFLOW PREVENTER ASSEMBLY
 IN ONE PIECE ENCLOSURE

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

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

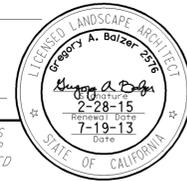
2010 REVISED STANDARD PLAN RSP H8

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

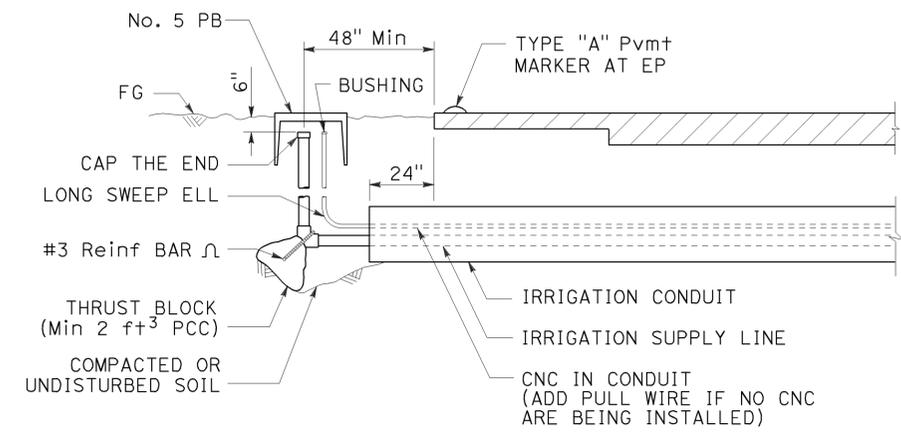
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT

July 19, 2013
 PLANS APPROVAL DATE

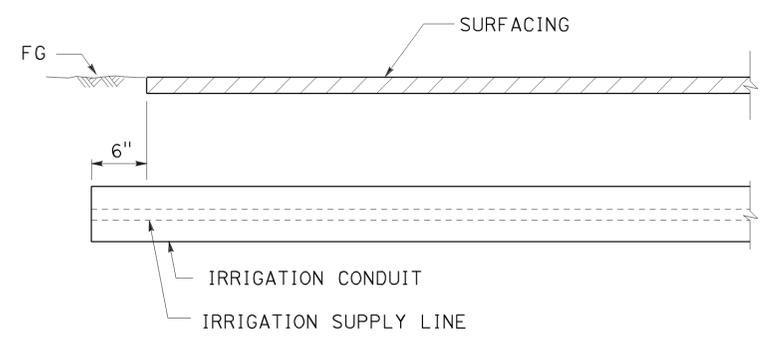
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



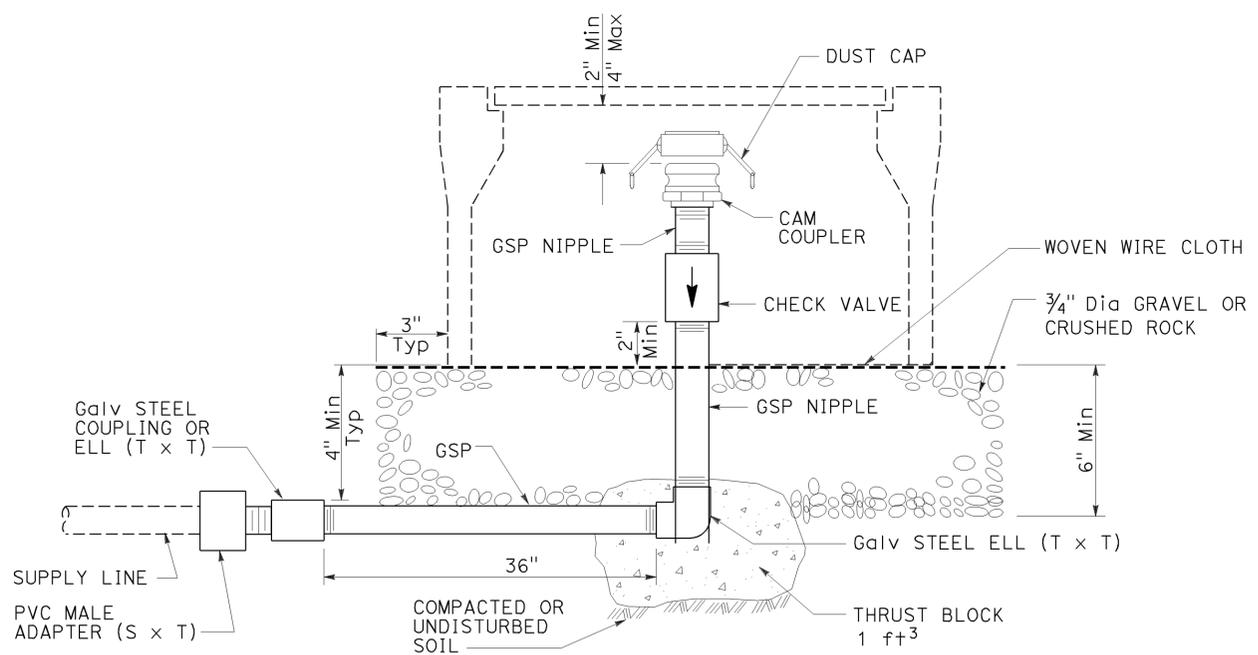
TO ACCOMPANY PLANS DATED 10-28-13



SECTION
IRRIGATION CONDUIT
UNDER TRAVELED WAY



SECTION
IRRIGATION CONDUIT
UNDER SIDEWALKS, DRIVEWAYS AND PATHS



ELEVATION
CAM COUPLER ASSEMBLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
NO SCALE

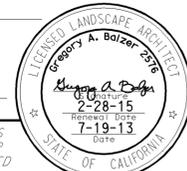
RSP H9 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H9
DATED MAY 20, 2011 - PAGE 226 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H9

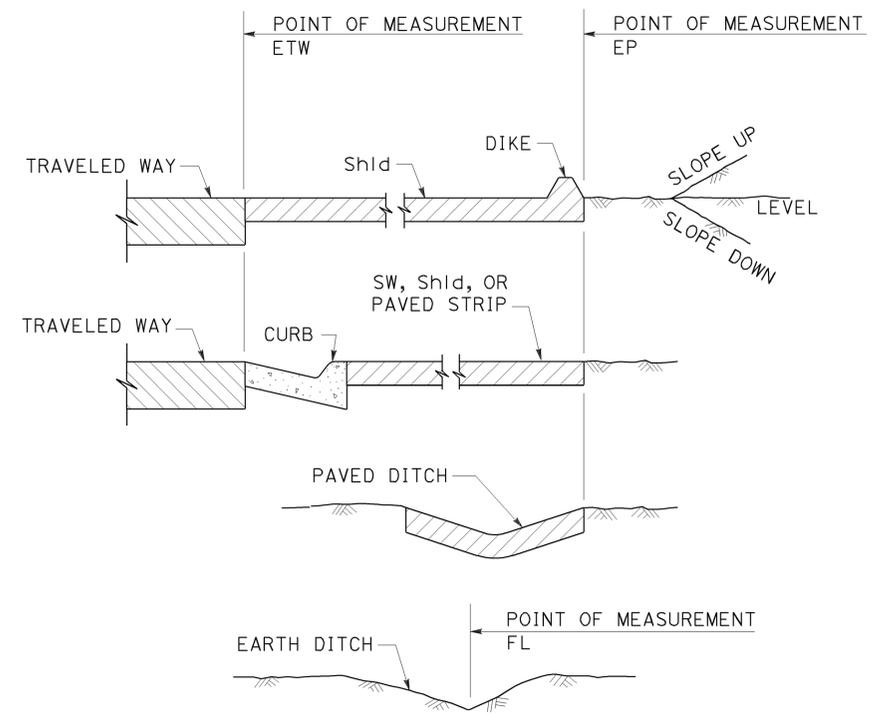
2010 REVISED STANDARD PLAN RSP H9

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 66 | 69 |

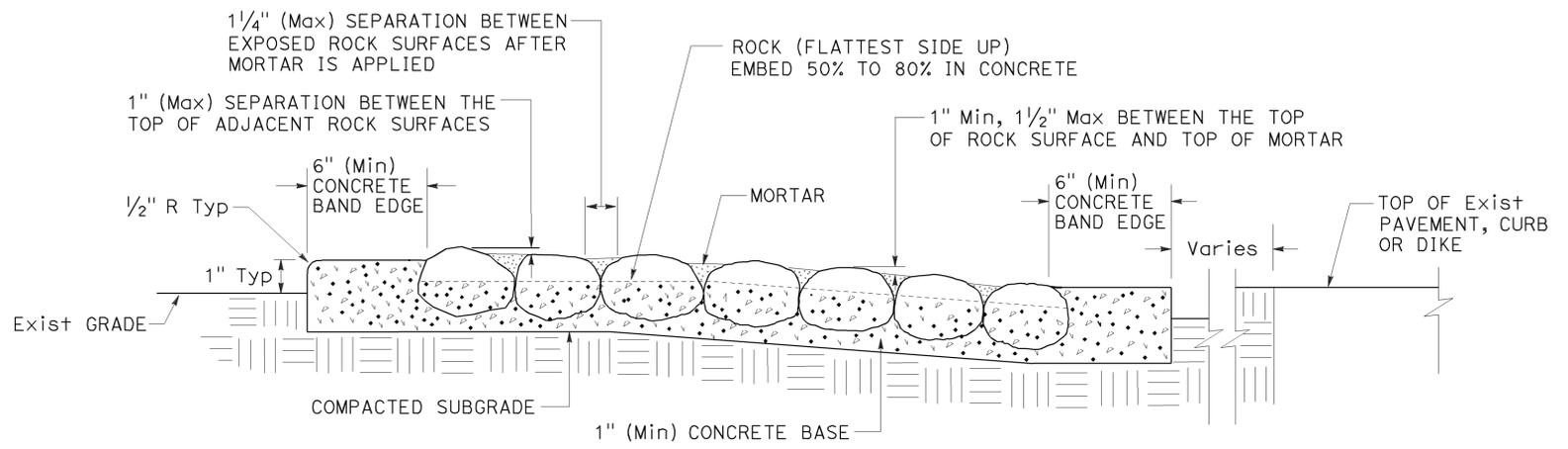
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



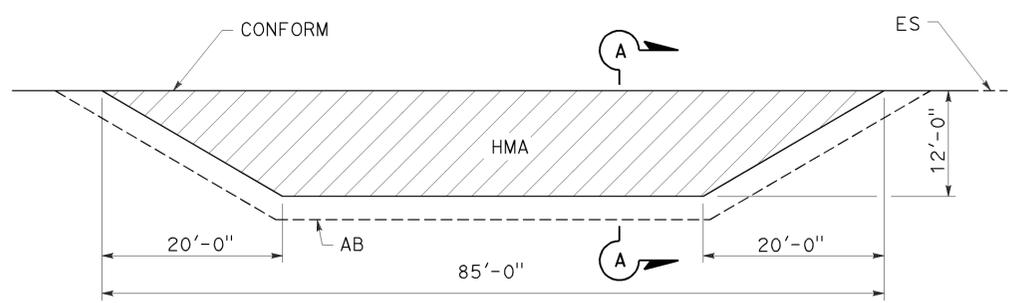
TO ACCOMPANY PLANS DATED 10-28-13



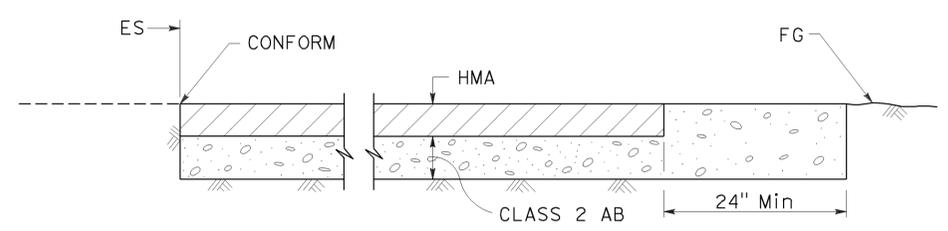
**SECTION
POINTS OF MEASUREMENT**



**SECTION
ROCK BLANKET**



PLAN



**SECTION A-A
MAINTENANCE VEHICLE PULLOUT**

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
LANDSCAPE DETAILS
 NO SCALE

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

REVISED STANDARD PLAN RSP H9A

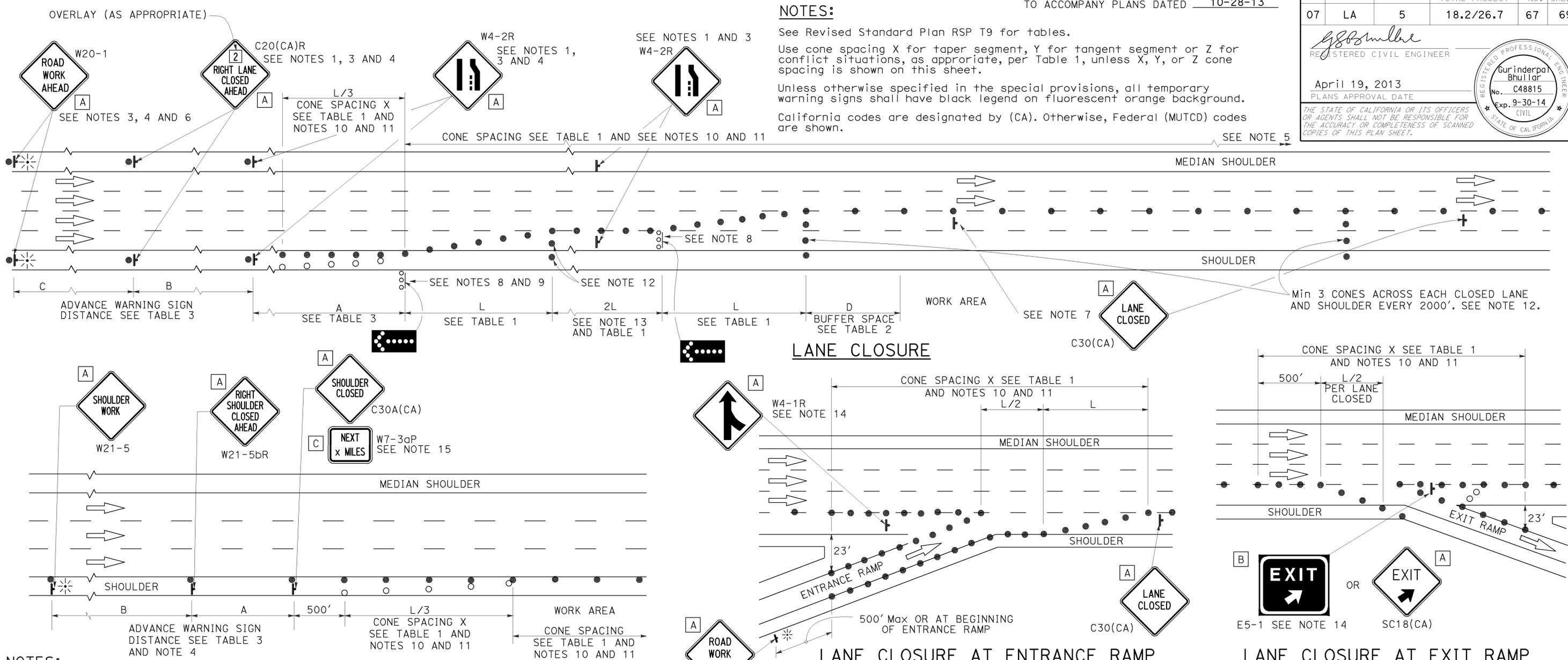
2010 REVISED STANDARD PLAN RSP H9A

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 07 | LA | 5 | 18.2/26.7 | 67 | 69 |

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 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.



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

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

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

LEGEND

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

SIGN PANEL SIZE (Min)

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

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

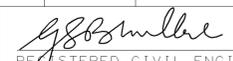
NO SCALE

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

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

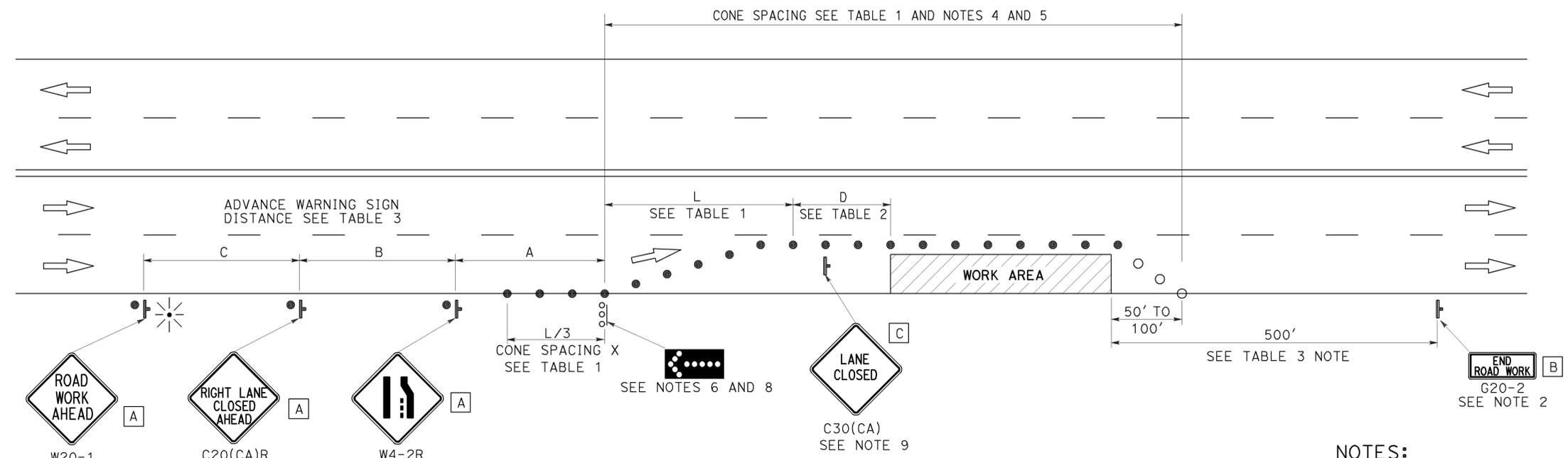
| | | | | | |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 07 | LA | 5 | 18.2/26.7 | 68 | 69 |


 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.

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.

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

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

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

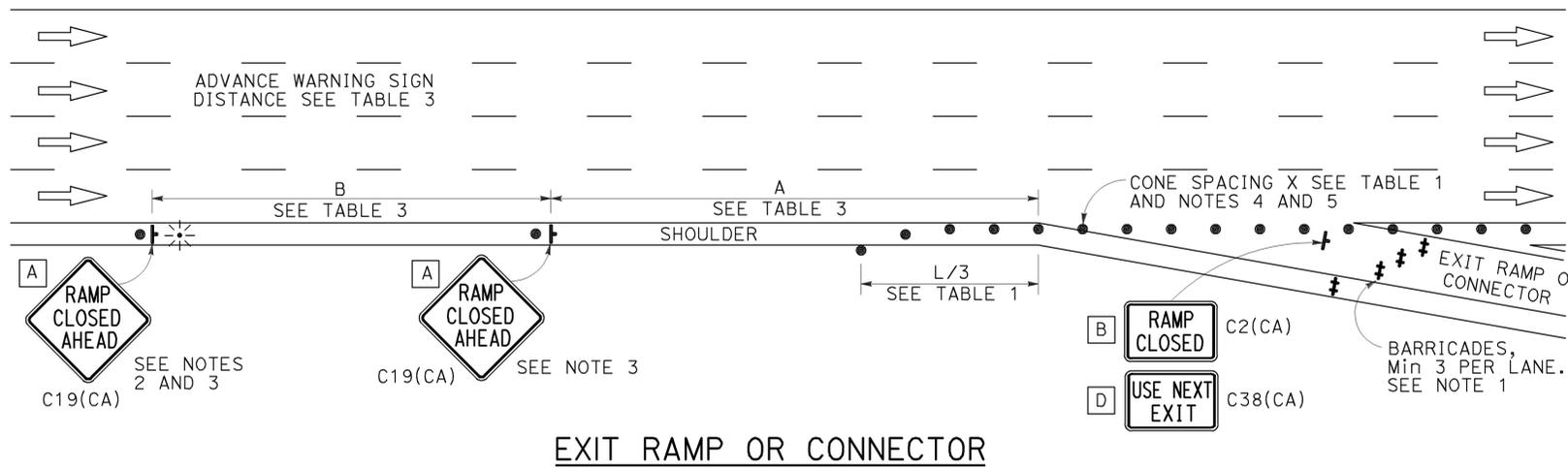
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REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

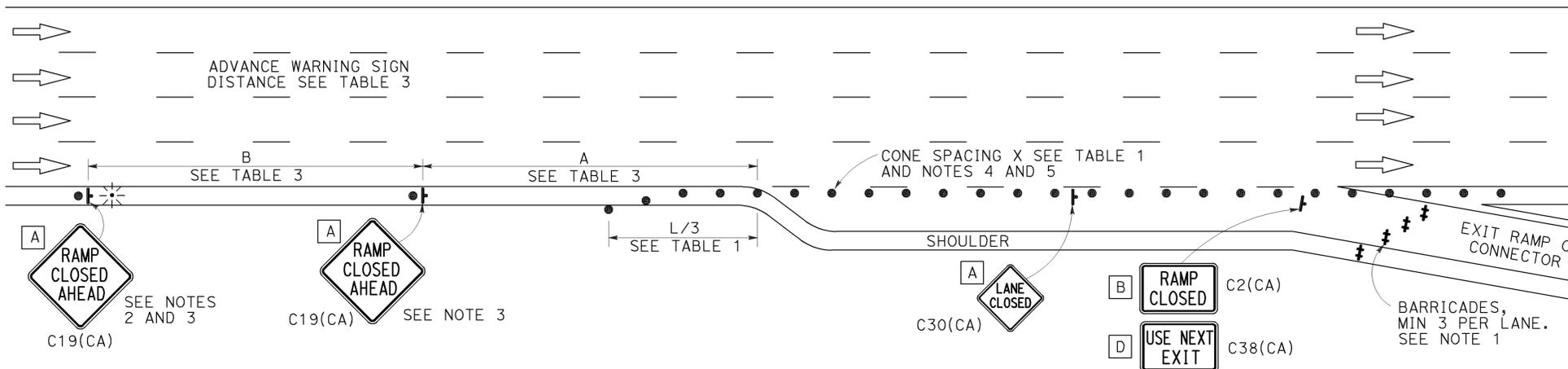
TO ACCOMPANY PLANS DATED 10-28-13

NOTES:

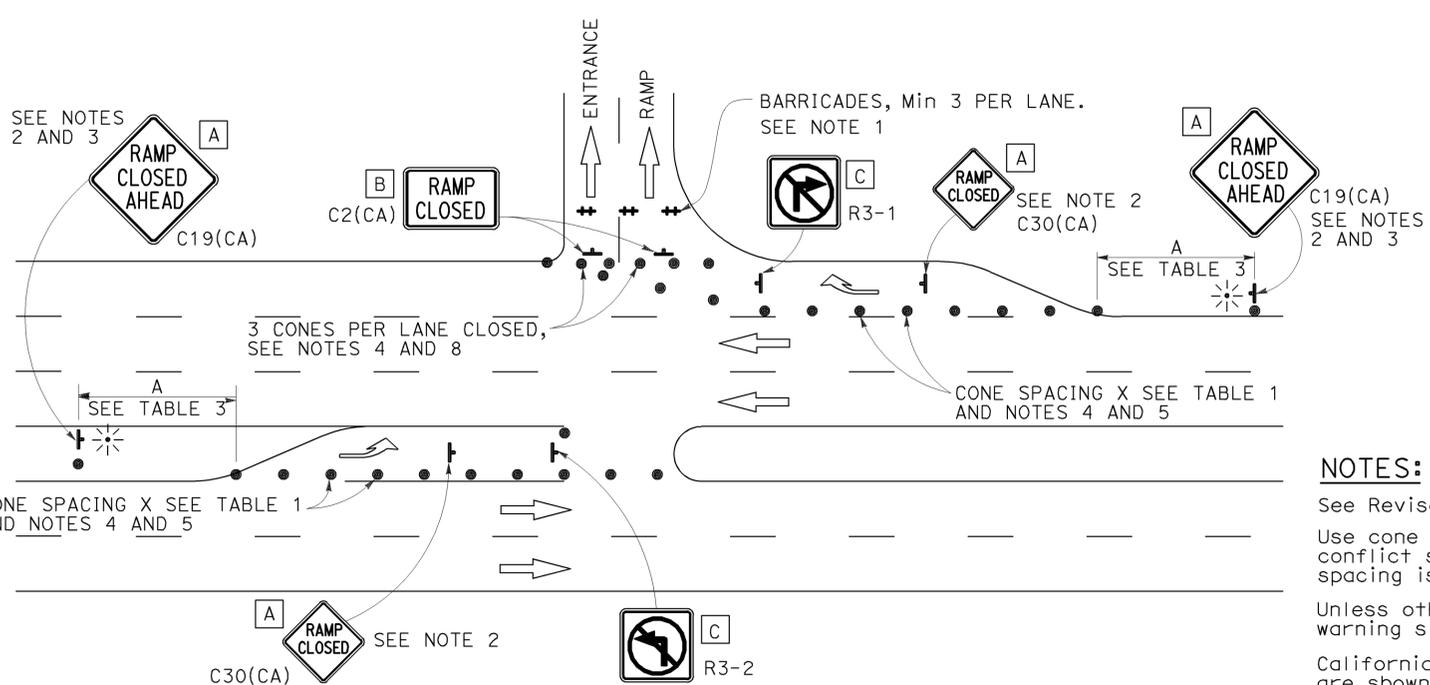
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed 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.



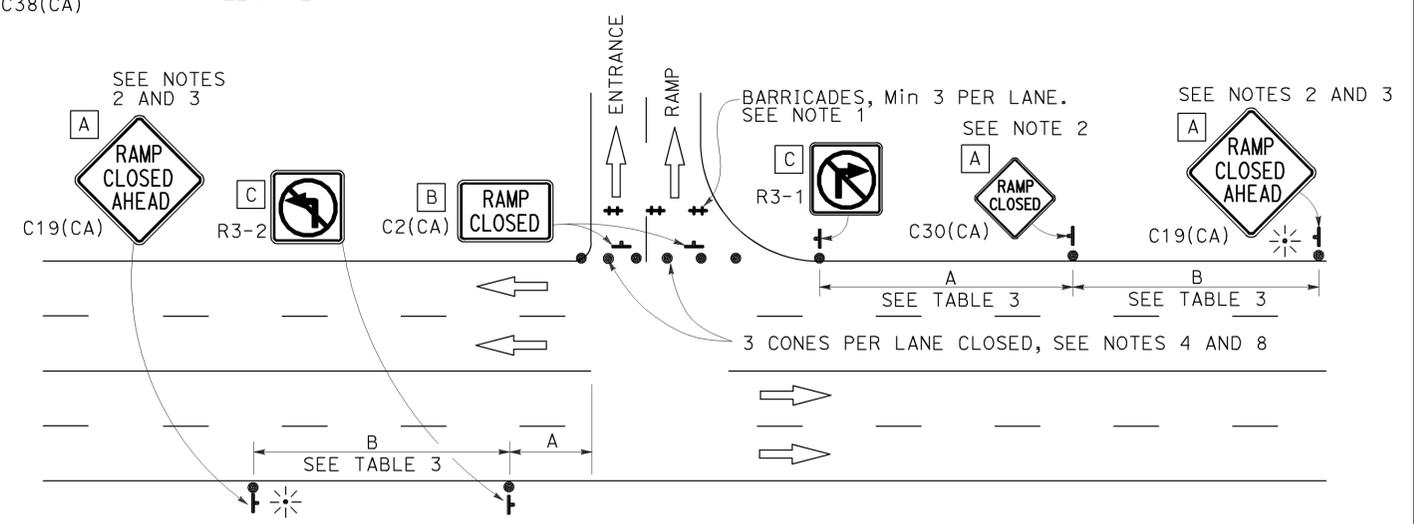
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

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.

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