| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 1 | 2028 |

**CMLN-6208(009)E**

STATE OF CALIFORNIA
# DEPARTMENT OF TRANSPORTATION

## PROJECT PLANS FOR CONSTRUCTION ON
# STATE HIGHWAY
## IN RIVERSIDE COUNTY
## IN RIVERSIDE
## FROM ADAMS STREET TO ROUTE 60/215 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS


| SHEET No. | DESCRIPTION |
|---|---|
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| 2-20 | TYPICAL CROSS SECTIONS |
| 21 | KEY MAP AND LINE INDEX |
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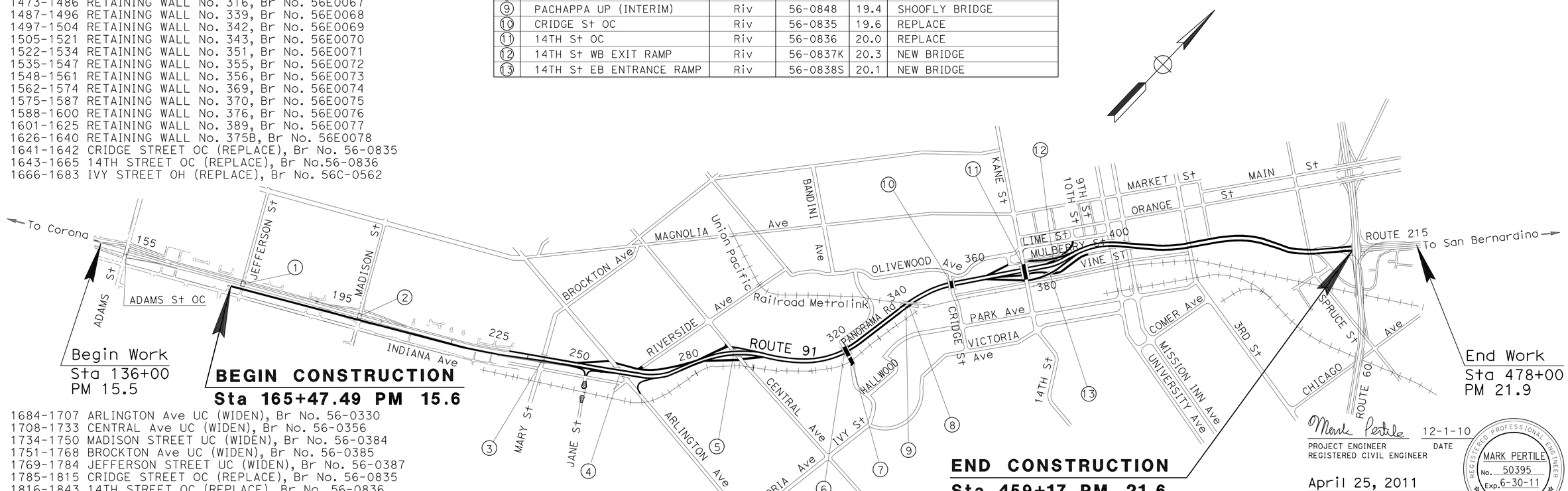
| 43-86 | PROFILES AND SUPERELEVATION DIAGRAMS |
| 87-198 | CONSTRUCTION DETAILS |
| 199 | TEMPORARY WATER POLLUTION CONTROL QUANTITIES |
| 200-220 | CONTOUR GRADING |
| 221-401 | DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES |
| 402-438 | UTILITY PLANS |
| 439 | CONSTRUCTION AREA SIGNS |
| 440-475 | STAGE CONSTRUCTION PLANS |
| 476-634 | TRAFFIC HANDLING PLANS AND QUANTITIES |
| 635-659 | DETOUR PLANS AND QUANTITIES |
| 660-706 | PAVEMENT DELINEATION PLANS AND QUANTITIES |
| 707-777 | SIGN PLANS AND QUANTITIES |
| 778-798 | SUMMARY OF QUANTITIES |
| 799-1069 | RETAINING WALL PLANS AND DETAILS |
| 1070-1092 | SOUND WALL PLANS AND DETAILS |
| 1093 | PLANT LIST PLAN |
| 1094-1114 | PLANTING PLANS |
| 1115-1116 | IRRIGATION REMOVAL PLANS |
| 1117-1158 | IRRIGATION PLANS |
| 1159-1161 | LANDSCAPE DETAILS |
| 1162-1321 | ELECTRICAL PLANS |
| 1322-1421 | REVISED AND NEW STANDARD PLANS |

STRUCTURE PLANS

1422-1438 RETAINING WALL No. 261, Br No. 56E0064
1439-1456 RETAINING WALL No. 281, Br No. 56E0065
1457-1472 RETAINING WALL No. 315, Br No. 56E0066
1473-1486 RETAINING WALL No. 316, Br No. 56E0067
1487-1496 RETAINING WALL No. 339, Br No. 56E0068
1497-1504 RETAINING WALL No. 342, Br No. 56E0069
1505-1521 RETAINING WALL No. 343, Br No. 56E0070
1522-1534 RETAINING WALL No. 351, Br No. 56E0071
1535-1547 RETAINING WALL No. 355, Br No. 56E0072
1548-1561 RETAINING WALL No. 356, Br No. 56E0073
1562-1574 RETAINING WALL No. 369, Br No. 56E0074
1575-1587 RETAINING WALL No. 370, Br No. 56E0075
1588-1600 RETAINING WALL No. 376, Br No. 56E0076
1601-1625 RETAINING WALL No. 389, Br No. 56E0077
1626-1640 RETAINING WALL No. 375B, Br No. 56E0078
1641-1642 CRIDGE STREET OC (REPLACE), Br No. 56-0835
1643-1665 14TH STREET OC (REPLACE), Br No.56-0836
1666-1683 IVY STREET OH (REPLACE), Br No. 56C-0562


## LOCATIONS OF CONSTRUCTION

| Loc | NAME OF BRIDGE | COUNTY | BRIDGE No. | PM | TYPE OF WORK |
|---|---|---|---|---|---|
| 1 | JEFFERSON St UC | Riv | 56-0387 | 16.1 | WIDEN (RIGHT SIDE ONLY) |
| 2 | MADISON St UC | Riv | 56-0384 | 16.7 | WIDEN (RIGHT SIDE ONLY) |
| 3 | BROCKTON Ave UC | Riv | 56-0385 | 17.4 | WIDEN (LEFT SIDE ONLY) |
| 4 | ARLINGTON Ave UC | Riv | 56-0330 | 17.8 | WIDEN |
| 5 | CENTRAL Ave UC | Riv | 56-0356 | 18.4 | WIDEN |
| 6 | IVY St OC | Riv | 56-0840 | 19.0 | REPLACE |
| 7 | IVY St OH | Riv | 56C-0562 | 19.0 | REPLACE |
| 8 | PACHAPPA UP | Riv | 56-0839 | 19.4 | REPLACE |
| 9 | PACHAPPA UP (INTERIM) | Riv | 56-0848 | 19.4 | SHOOFLY BRIDGE |
| 10 | CRIDGE St OC | Riv | 56-0835 | 19.6 | REPLACE |
| 11 | 14TH St OC | Riv | 56-0836 | 20.0 | REPLACE |
| 12 | 14TH St WB EXIT RAMP | Riv | 56-0837K | 20.3 | NEW BRIDGE |
| 13 | 14TH St EB ENTRANCE RAMP | Riv | 56-0838S | 20.1 | NEW BRIDGE |




1684-1707 ARLINGTON Ave UC (WIDEN), Br No. 56-0330
1708-1733 CENTRAL Ave UC (WIDEN), Br No. 56-0356
1734-1750 MADISON STREET UC (WIDEN), Br No. 56-0384
1751-1768 BROCKTON Ave UC (WIDEN), Br No. 56-0385
1769-1784 JEFFERSON STREET UC (WIDEN), Br No. 56-0387
1785-1815 CRIDGE STREET OC (REPLACE), Br No. 56-0835
1816-1843 14TH STREET OC (REPLACE), Br No. 56-0836
1844-1878 14TH STREET WB OFF-RAMP, Br No. 56-0837K
1879-1910 14TH STREET EB ENTRANCE RAMP, Br No. 56-08385
1911-1954 PACHAPPA UP (REPLACE), Br No. 56-0839
1955-1981 IVY STREET OC (REPLACE), Br No. 56-0840
1982-2020 PACHAPPA UP (SHOOFLY), Br No. 56-0848
2021-2028 SPECIAL ELECTRICAL STRUCTURE

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

RIVERSIDE

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

Mark Pertile 12-1-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

April 25, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6-30-11 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.

PROJECT MANAGER NASSIM ELIAS
DESIGN ENGINEER MARK PERTILE

| CONTRACT No. | 08-448404 |
|---|---|
| PROJECT ID | 0800000712 |

LAST REVISION 12-01-10
DATE PLOTTED => 31-AUG-2011
TIME PLOTTED => 05:53

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 2 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 12-1-10

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO — No. 68383 — Exp. 9/30/11 — 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:

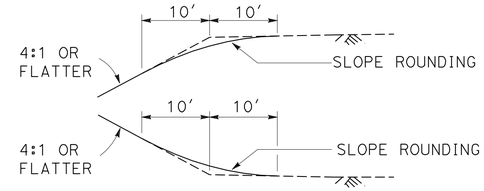
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. FOR RAMP TERMINI AND STREET INTERSECTIONS, SEE CONSTRUCTION DETAILS.
3. FOR EXISTING FACILITIES REMOVAL, SEE C SHEETS.
4. FOR CURB, GUTTER, SIDEWALK AND DRIVEWAY LIMITS, SEE C SHEETS.
5. FOR PROTECT AND RESET SURVEY MONUMENTS, SEE Q SHEETS.
6. NAD83 HORIZONTAL DATUM USED FOR THIS PROJECT.
7. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
8. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
9. FOR DIKE, MBGR AND RETAINING WALL LIMITS SEE LAYOUTS.
10. FOR LOCATION OF MAINTENANCE & CHP PULLOUTS SEE LAYOUTS.
11. GRIND EXISTING CONCRETE PAVEMENT 3′ WIDE FROM THE SAWCUT LINE
12. TEMPORARY FENCE SHALL BE INSTALLED ON THE LOCATION AS SHOWN ON THE QUANTIY SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER

## LEGEND:

* EXCEPT IN SUPERELEVATION

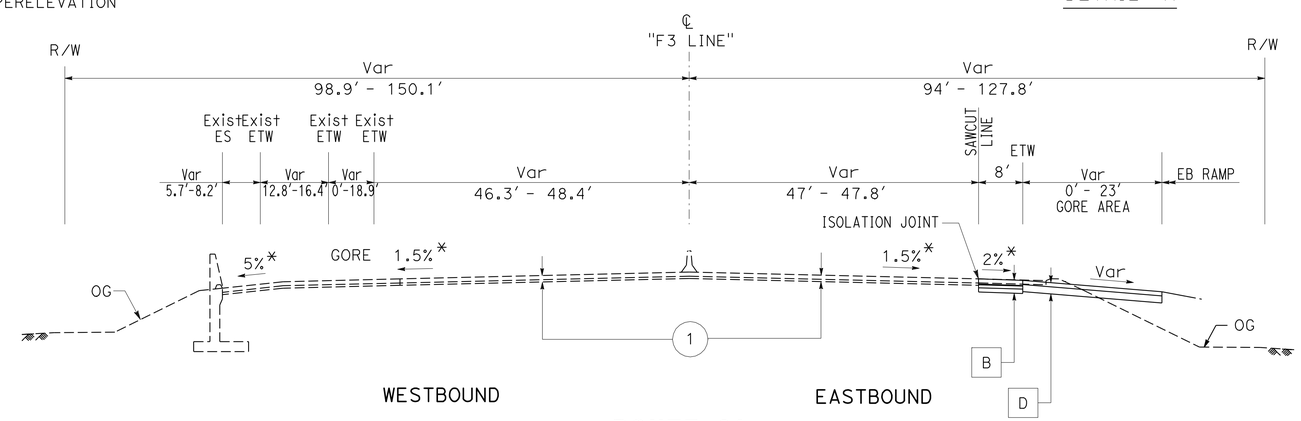
## ABBREVIATION:

ADT AVERAGE DAILY TRAFFIC

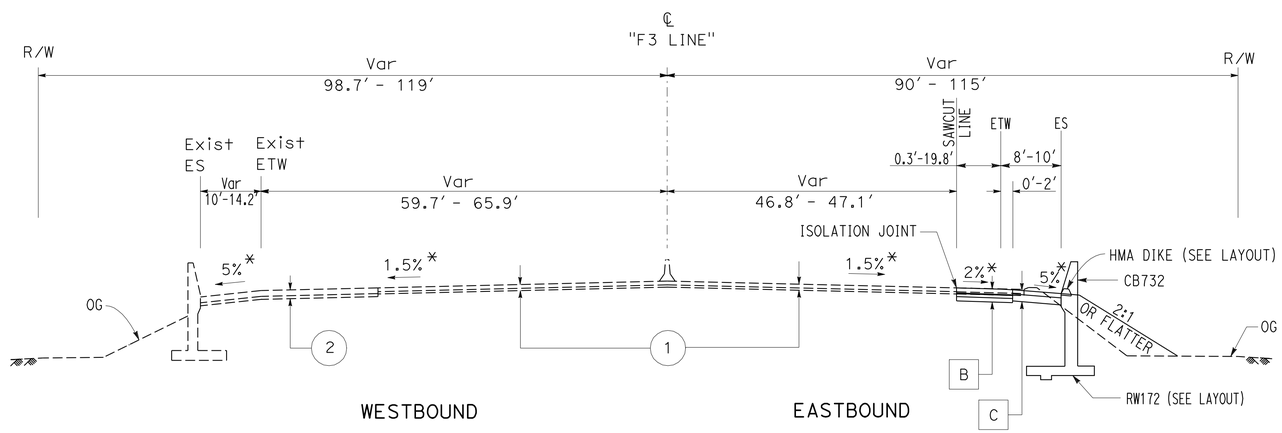



SLOPE ROUNDING DETAIL (TYPICAL)

DETAIL "A"




**ROUTE 91**
STA 188+00 TO STA 190+70




**ROUTE 91**
STA 165+47.49 TO STA 188+00

## DESIGN DESIGNATION (ROUTE 91)

| | | |
|---|---|---|
| 2007 | ADT = 178,000 | D=53% |
| 2027 | ADT = 250,000 | T=0.4% |
| | DHV = 19,070 | V=65 MPH |

## STRUCTURAL SECTIONS

A
- 0.85′JPCP
- 0.10′ HMA-A (BONDBREAKER)
- 0.35′ LCB
- 0.70′ AS (CLASS 2)

B
- 1.00′JPCP
- 0.10′ HMA-A (BONDBREAKER)
- 0.35′ LCB
- 0.70′ AS (CLASS 2)

C
- 0.55′ HMA-A
- 1.15′ AB (CLASS 2)

D
- 0.85′ HMA-A
- 0.85′ AB (CLASS 2)

E
- 0.65′ HMA-A
- 1.05′ AB (CLASS 2)

F
- 1.1′ RSC
- 0.60′ AS (CLASS 2)

G
- 0.25′ HMA-A
- 0.35′ AB (CLASS 2)

H
- 1.35′ RSC

## EXISTING STRUCTURAL SECTIONS

1
- 0.66′ PCC
- 0.33′ CTB

2
- 0.95′ PCC
- 0.49′ LCB

3
- 0.85′ JPCP
- 0.50′ LCB
- 0.70′ AS (CLASS 2)

4
- 0.75′ JPCP
- 0.40′ LCB
- 0.60′ AS (CLASS 2)

# TYPICAL CROSS SECTIONS
NO SCALE

**X-1**

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | CHECKED BY |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN — Caltrans

LAST REVISION 12-01-10 — DATE PLOTTED => 29-APR-2011 — TIME PLOTTED => 17:11

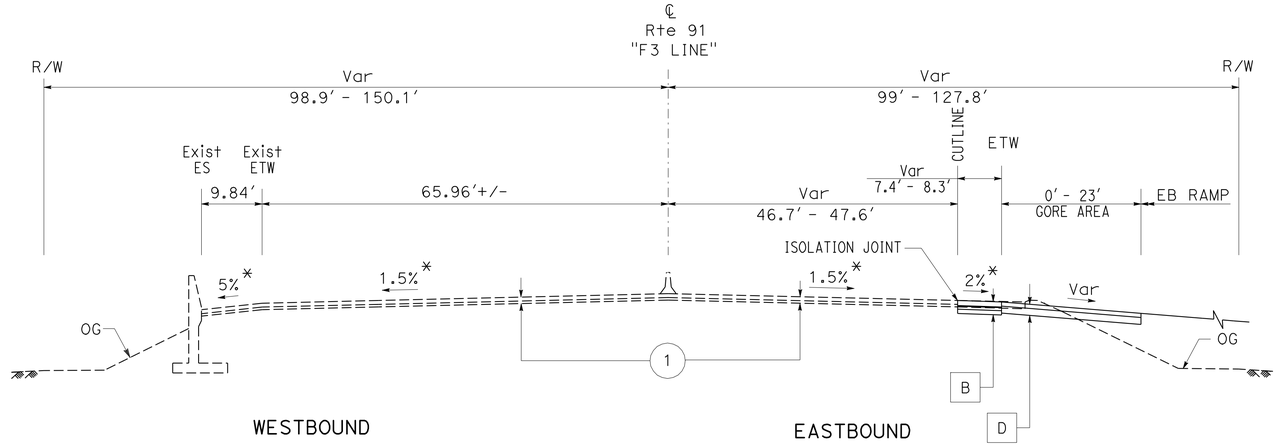
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 3 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

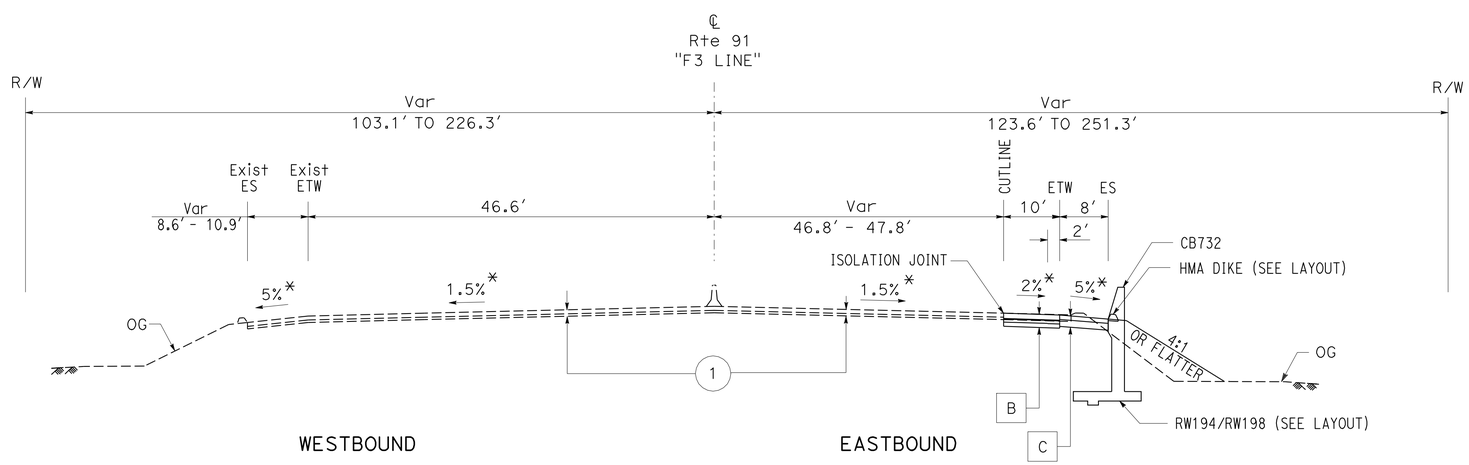
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*




**ROUTE 91**
STA 204+42 TO STA 210+50




**ROUTE 91**
STA 190+70 TO STA 204+42

* EXCEPT IN SUPERELEVATION

# TYPICAL CROSS SECTIONS
NO SCALE

**X-2**

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | THAI VAN HGUYEN |
|---|---|
| CHECKED BY | THOMAS HIEN NGO |

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 4 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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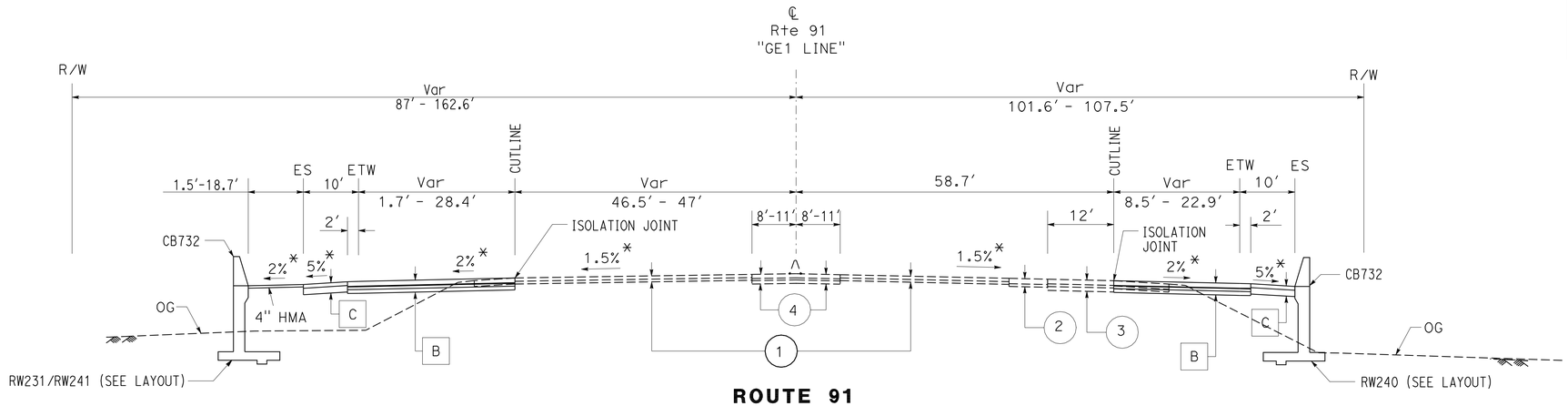
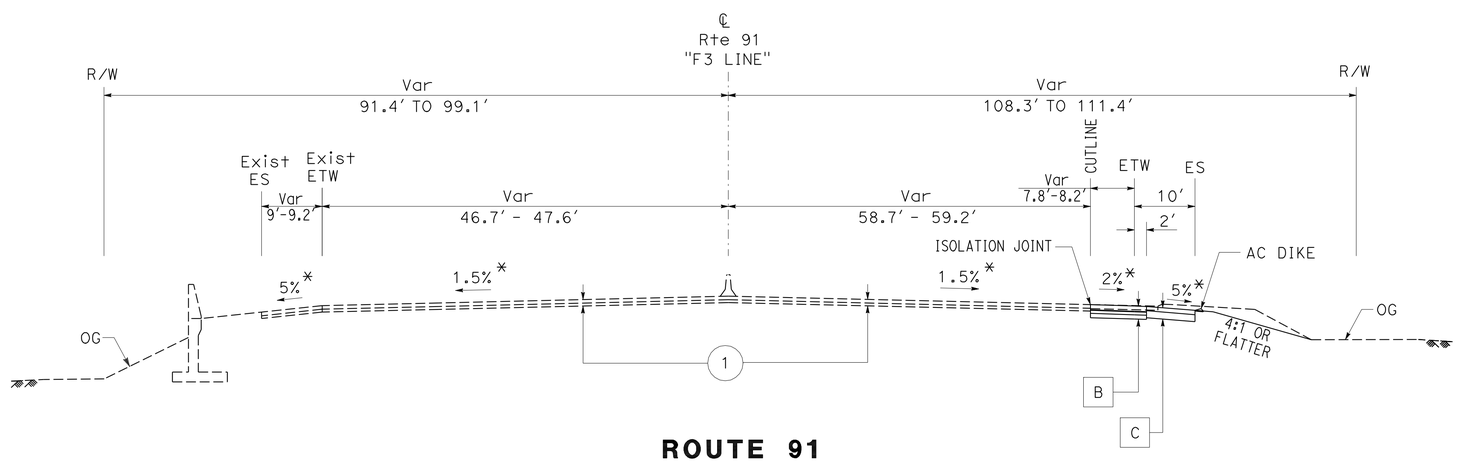



**ROUTE 91**

WESTBOUND
STA 228+72 TO STA 246+26

EASTBOUND
STA 240+95 TO STA 244+70




**ROUTE 91**

WESTBOUND

STA 210+50 TO STA 212+00

EASTBOUND

STA 210+50 TO STA 212+00

* EXCEPT IN SUPERELEVATION

# TYPICAL CROSS SECTIONS
NO SCALE

**X-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

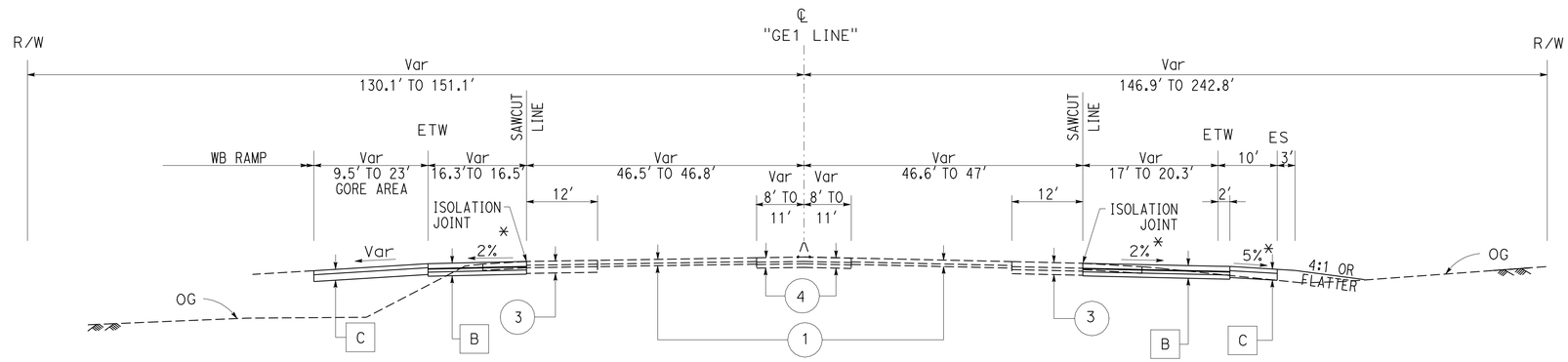
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 5 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

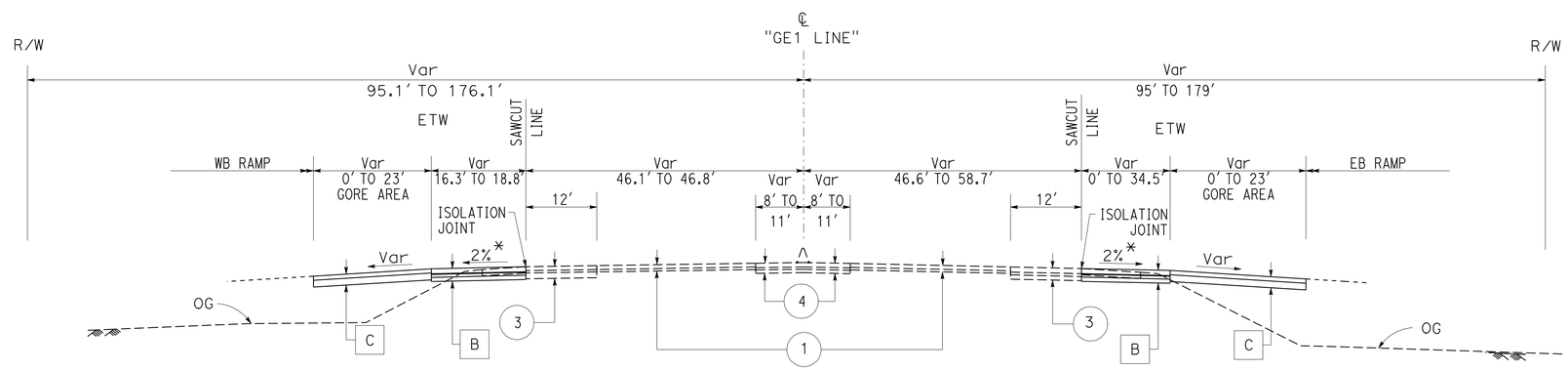
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*




WESTBOUND
STA 250+18 TO STA 253+63

EASTBOUND
STA 250+18 TO STA 256+49

**ROUTE 91**




WESTBOUND
STA 246+26 TO STA 250+18

EASTBOUND
STA 244+70 TO STA 250+18
STA 256+49 TO STA 262+35

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

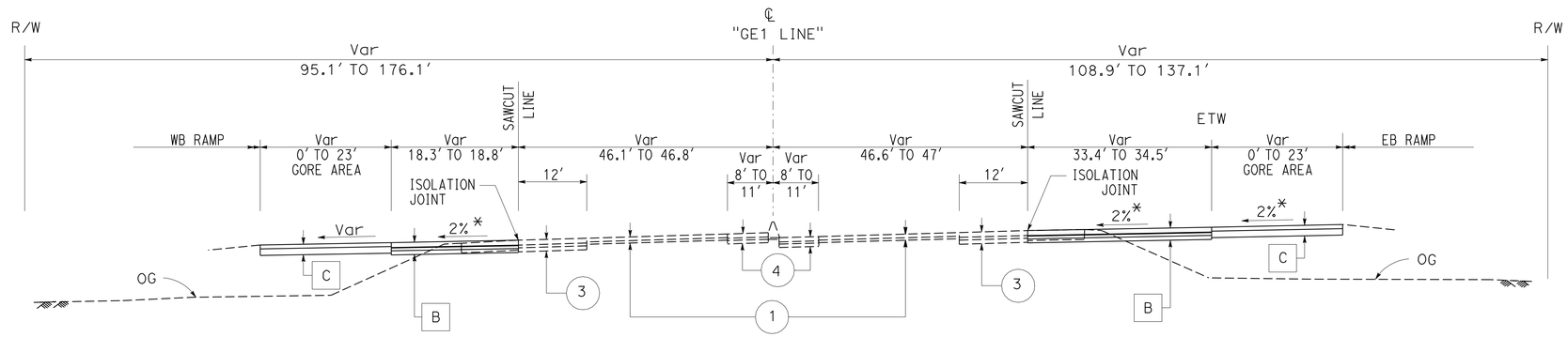
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 6 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

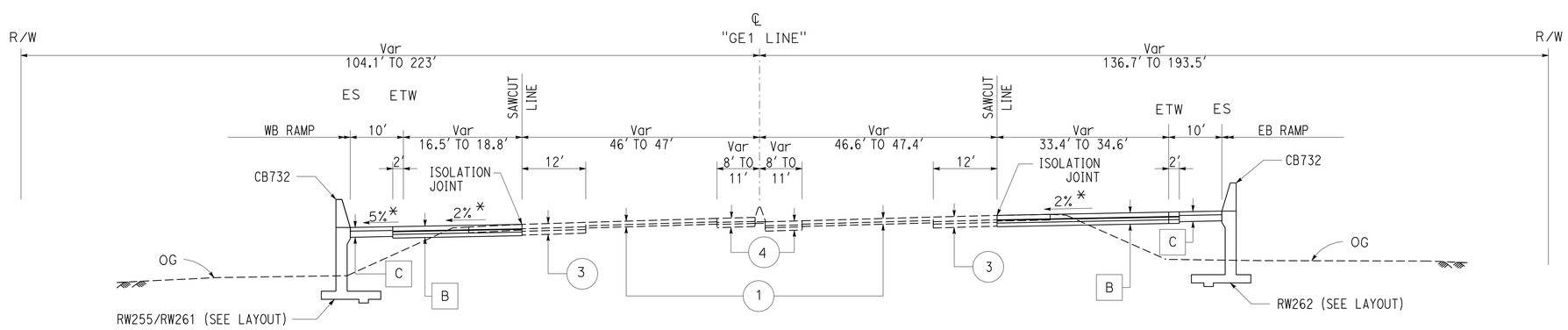
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*




WESTBOUND
STA 268+30 TO STA 272+00

EASTBOUND
STA 266+45 TO STA 272+00

**ROUTE 91**




WESTBOUND
STA 253+63 TO STA 268+30

EASTBOUND
STA 262+35 TO STA 267+40

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-5**

THAI VAN HGUYEN | REVISED BY
THOMAS HIEN NGO | DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
MARK PERTILE

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

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

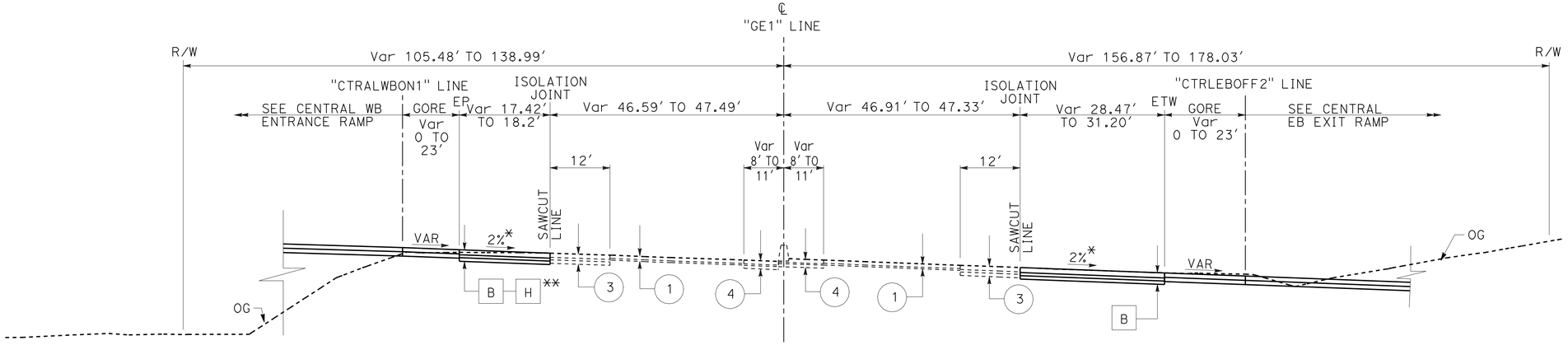
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 7 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 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.*



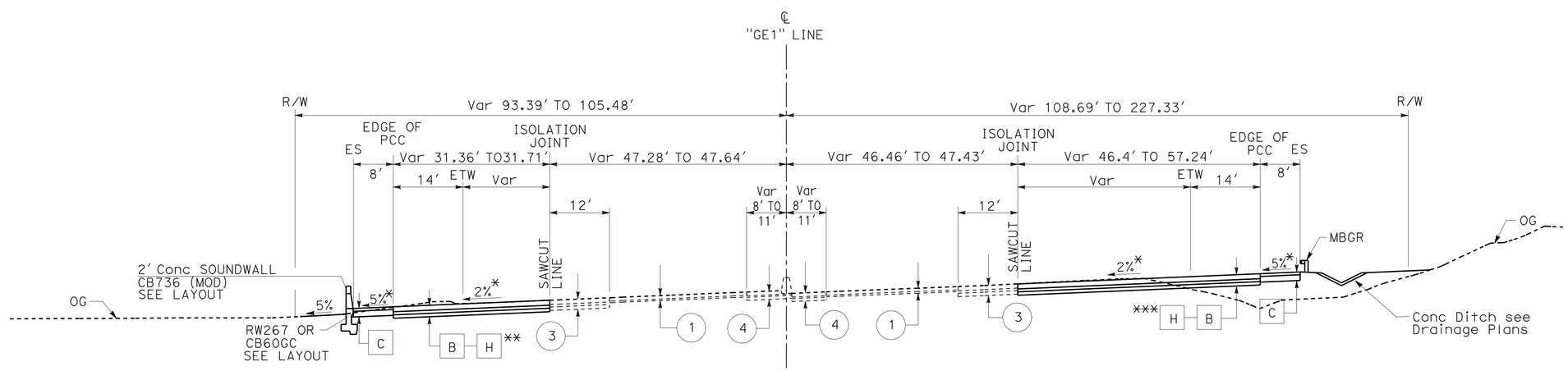

WESTBOUND

Sta 278+52.81 TO Sta 285+13.25
** Sta 278+52.81 TO Sta 278+70.00

EASTBOUND

Sta 280+60.19 TO Sta 283+97.03

**ROUTE 91**




WESTBOUND

Sta 272+00 TO Sta 278+52.81
** Sta 273+00 TO Sta 278+52.81

EASTBOUND

Sta 272+00 TO Sta 280+60.19
*** Sta 273+00 TO Sta 280+60.00

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-6**

REVISED BY | DATE REVISED
ANNABELL WANG | CUONG LE TRAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:11

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 8 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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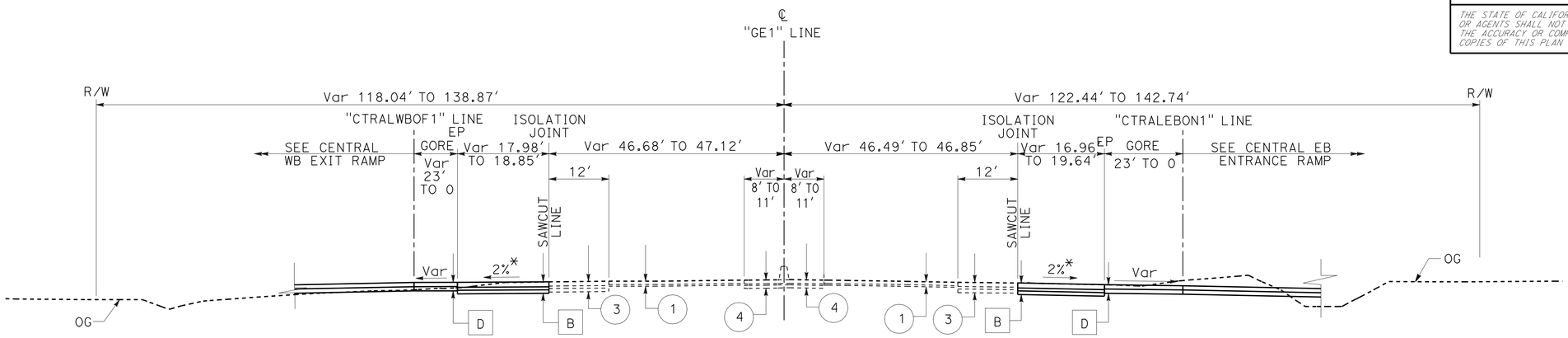
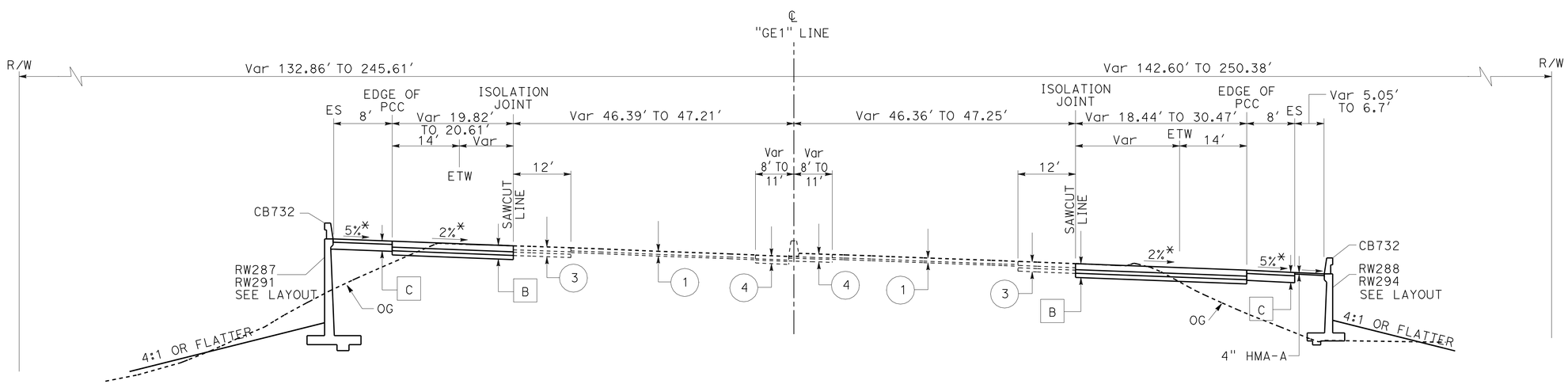



WESTBOUND
Sta 296+78.78 TO Sta 301+16.00

EASTBOUND
Sta 298+53.91 TO Sta 304+39.80

**ROUTE 91**




WESTBOUND
Sta 285+13.25 TO Sta 296+78.78

EASTBOUND
Sta 283+97.03 TO Sta 298+53.91

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY / DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
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DGN FILE => 844840ca007.dgn
CU 08227
EA 448401

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 9 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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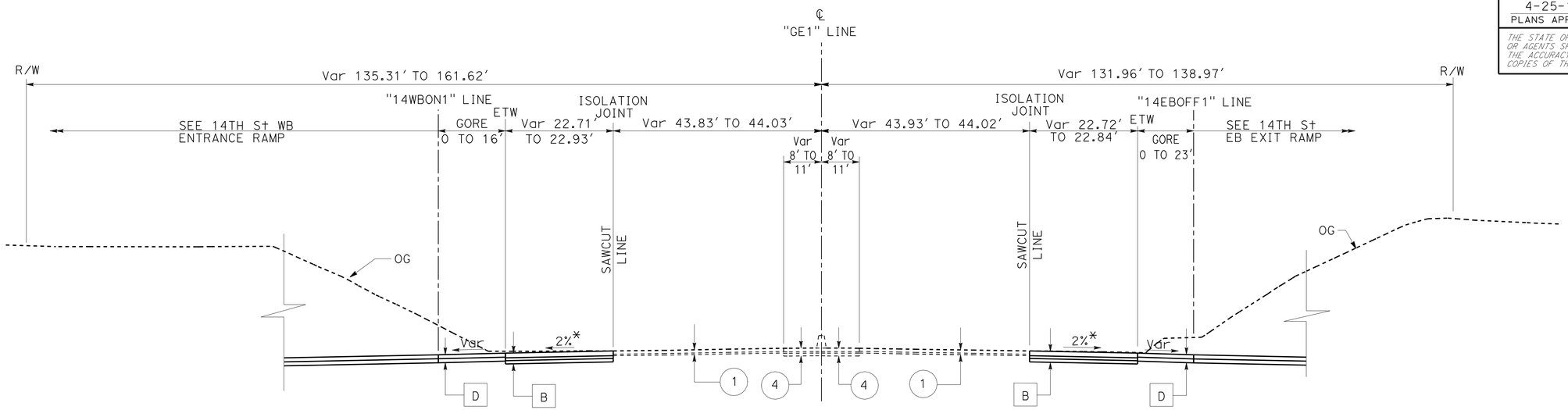
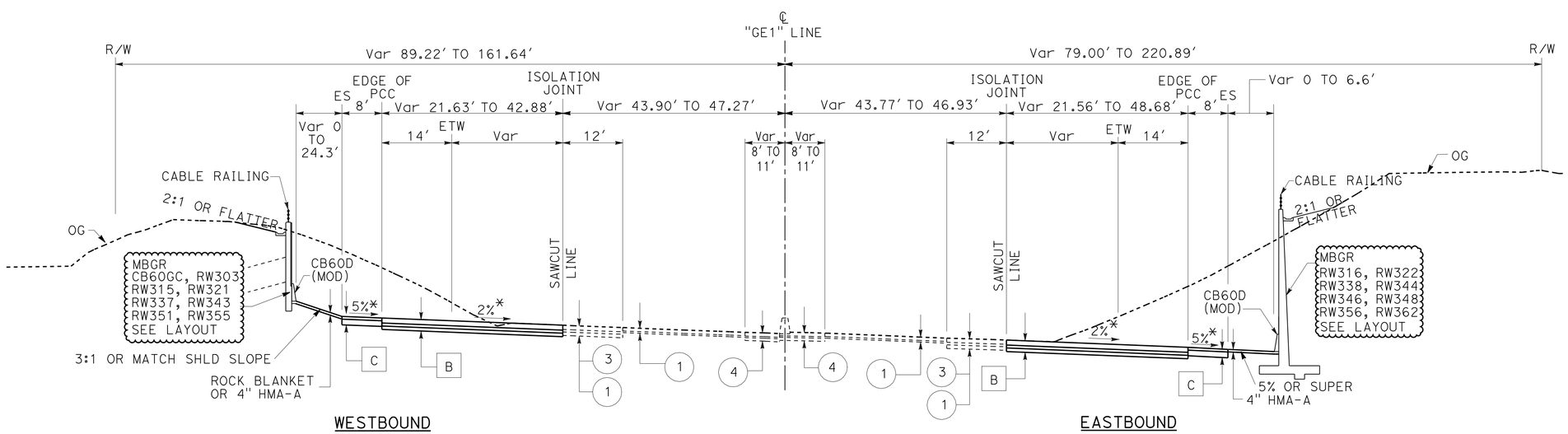



WESTBOUND
Sta 359+50.00 TO Sta 365+38.40

EASTBOUND
Sta 363+61.00 TO Sta 366+31.00

**ROUTE 91**




WESTBOUND
Sta 301+16.00 TO Sta 359+50.00

(3) 301+16.00 TO 314+95.97

(1) 314+95.97 TO 359+50.00

EASTBOUND
Sta 304+39.80 TO Sta 363+61.00

(3) 304+39.80 TO 317+58.43

(1) 317+58.43 TO 363+61.00

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:11

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 10 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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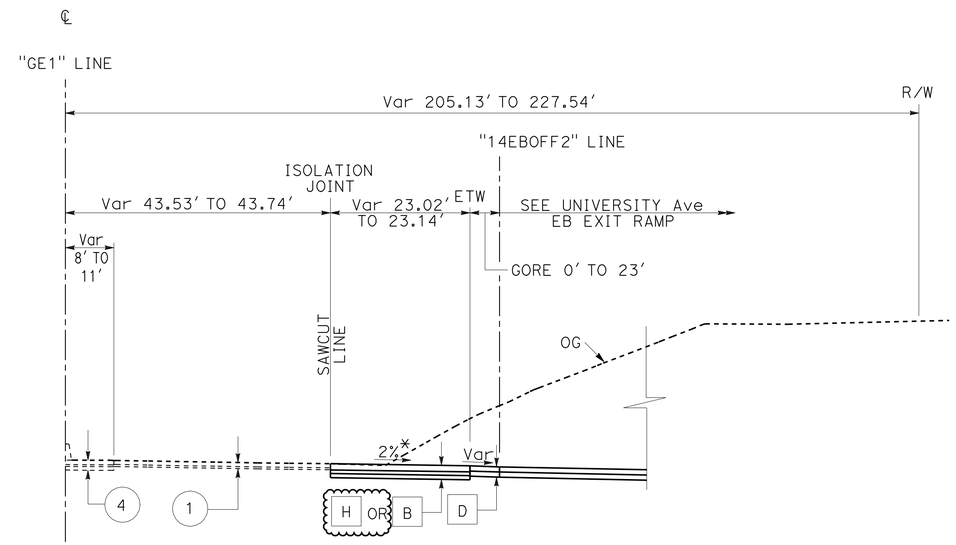
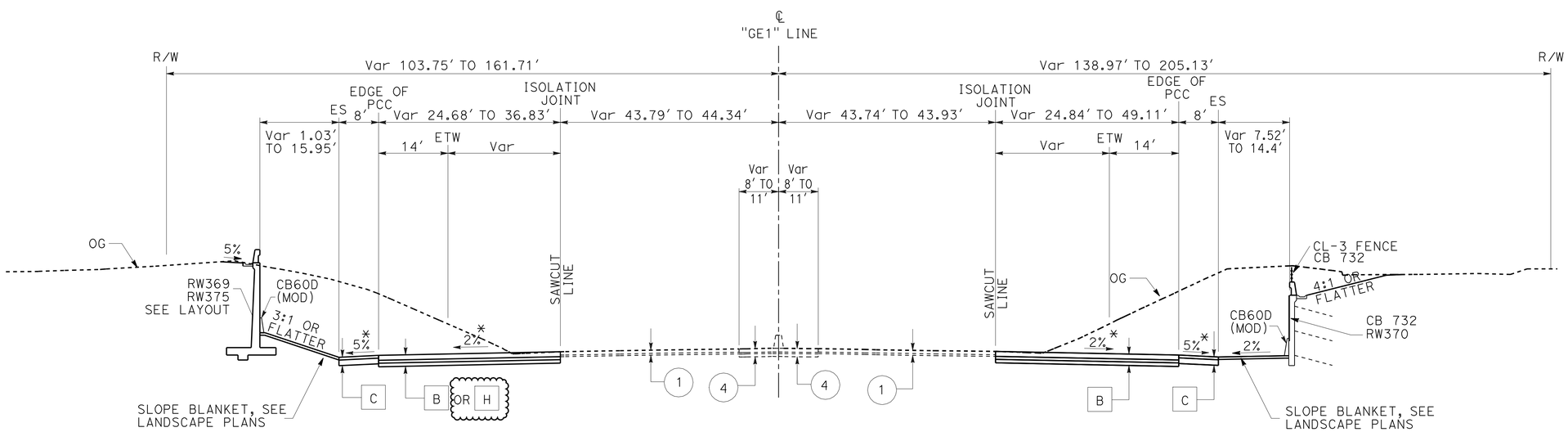



EASTBOUND
Sta 372+43.00 TO Sta 375+13.00
H Sta 373+00.00 TO Sta 375+13.00

**ROUTE 91**




WESTBOUND
Sta 365+38.40 TO Sta 381+20.38
H Sta 375+00.00 TO Sta 381+20.38

**ROUTE 91**

EASTBOUND
Sta 366+31.00 TO Sta 372+43.00

# TYPICAL CROSS SECTIONS
NO SCALE

**X-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 11 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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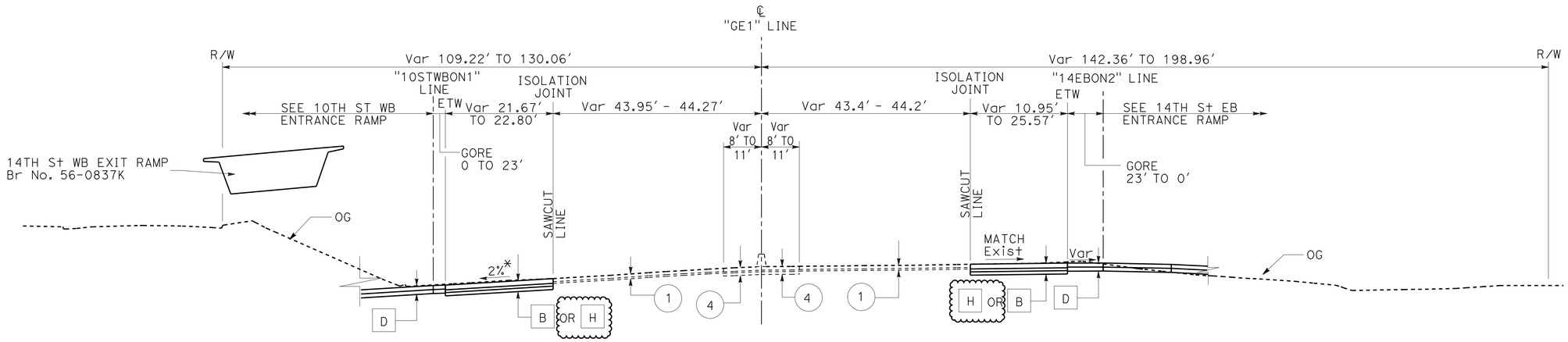


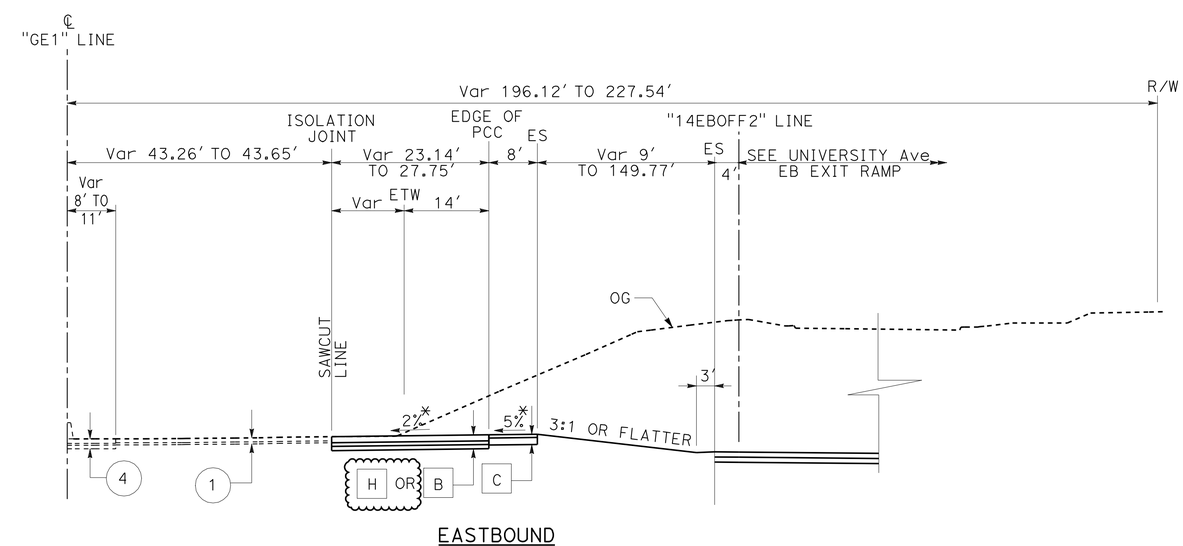

WESTBOUND

H Sta 381+20.38 TO Sta 386+61.33
Sta 381+20.38 TO Sta 386+60.00

EASTBOUND

H Sta 383+07.36 TO Sta 389+78.42
Sta 383+07.36 TO Sta 389+70.00

**ROUTE 91**




EASTBOUND

H Sta 375+13.00 TO Sta 383+07.36
Sta 375+13.00 TO Sta 383+07.36

**ROUTE 91**

# TYPICAL CROSS SECTIONS

NO SCALE

**X-10**

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | CHECKED BY |
|---|---|
| ANNABELL WANG | CUONG LE TRAN |

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **DESIGN**

LAST REVISION 04-21-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 12 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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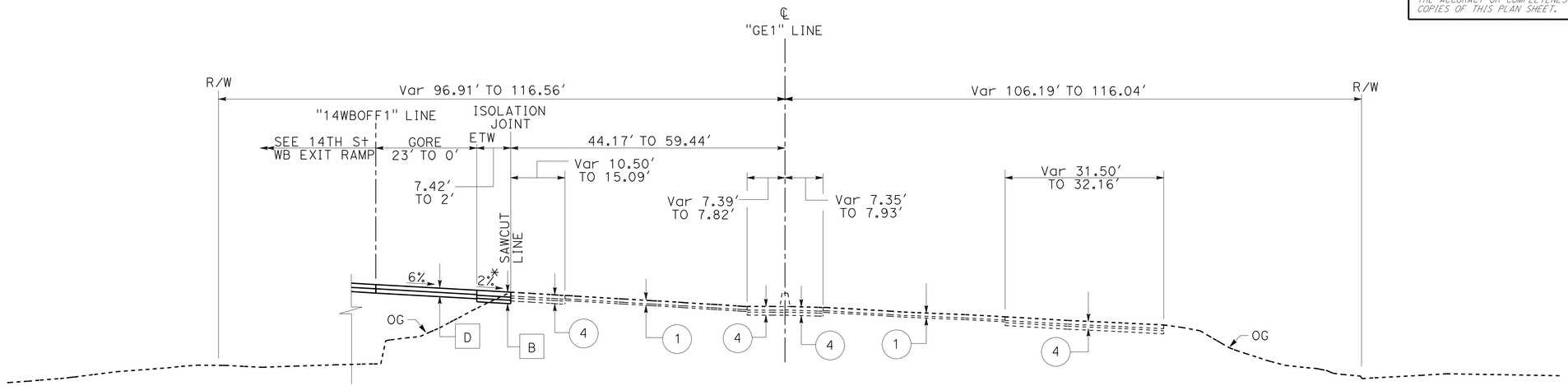
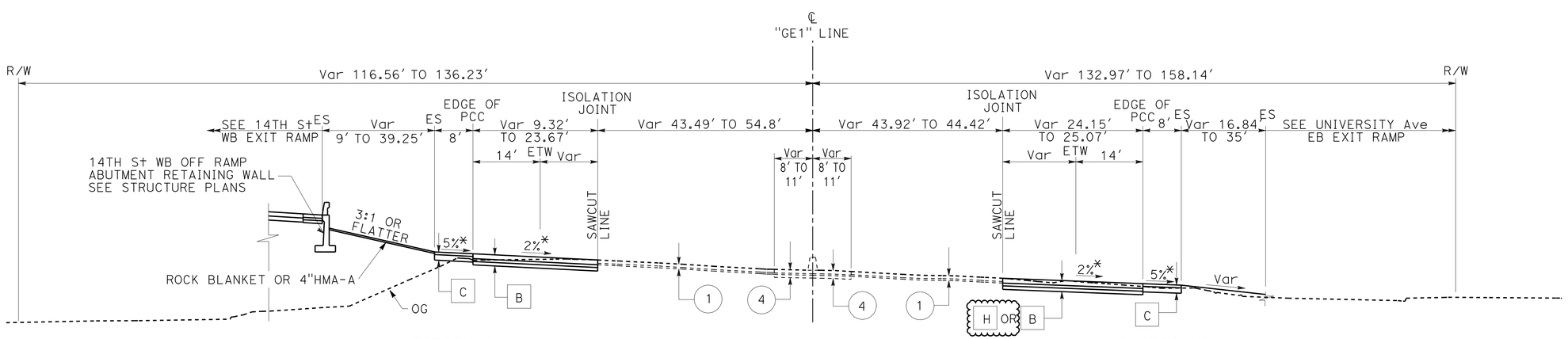



WESTBOUND
Sta 393+58.25 TO Sta 397+00.39

EASTBOUND
Sta 393+01.11 TO Sta 397+00.39

**ROUTE 91**




WESTBOUND
Sta 386+61.33 TO Sta 393+58.25

EASTBOUND
H Sta 389+78.42 TO Sta 393+01.11
H Sta 389+80.00 TO Sta 393+01.11

**ROUTE 91**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 13 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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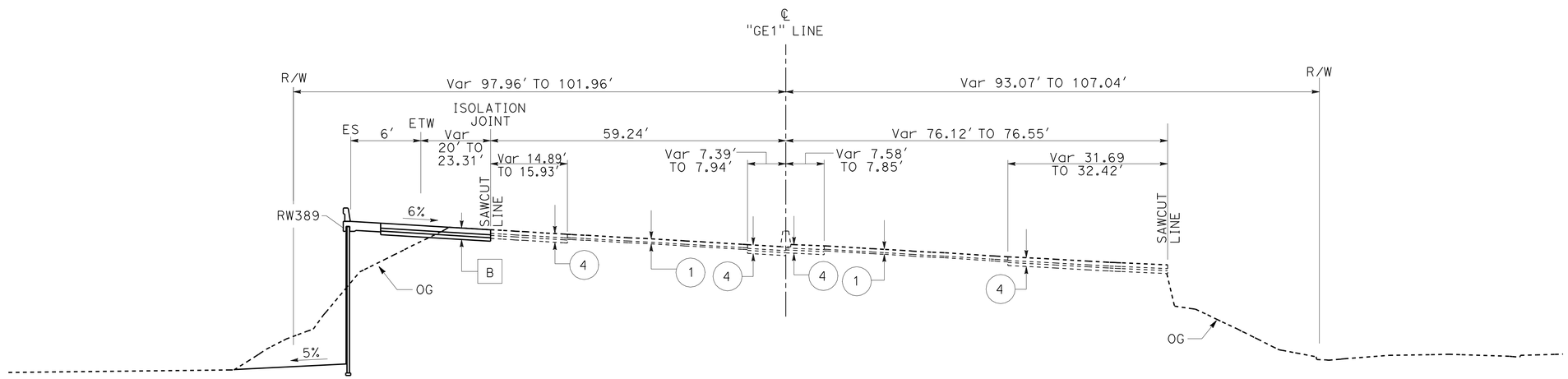


WESTBOUND
Sta 397+00.39 TO Sta 398+16.00

**ROUTE 91**

EASTBOUND
Sta 397+00.39 TO Sta 398+16.00

# TYPICAL CROSS SECTIONS
NO SCALE

**X-12**

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

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 14 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 4-21-11

PLANS APPROVAL DATE 4-25-11

REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL — STATE OF CALIFORNIA

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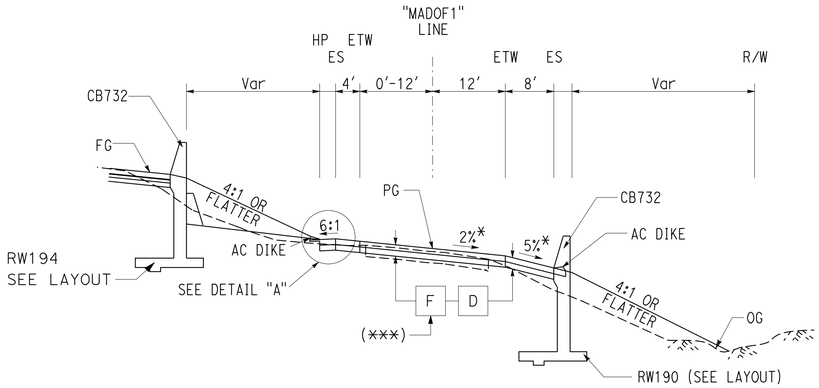
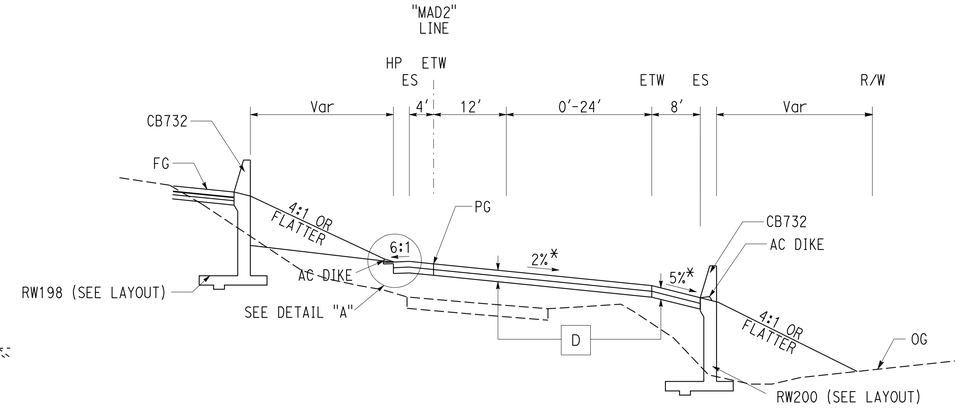



**MADISON STREET EB EXIT RAMP**

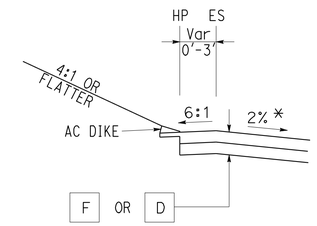
STA 188+00 TO 197+81.66

(***) STA 196+31 TO 197+81.66

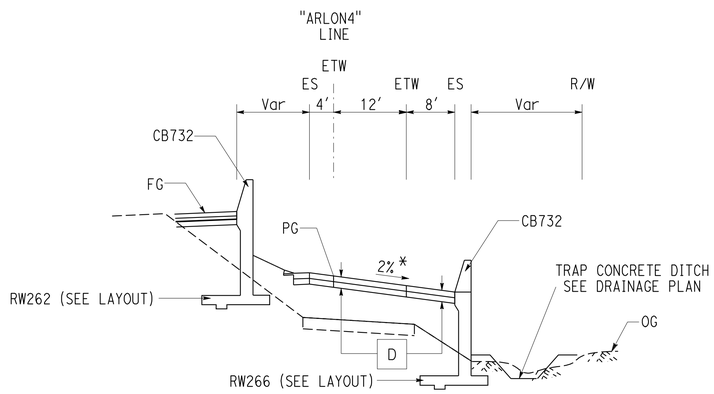



**MADISON STREET EB ENTRANCE RAMP**

STA 198+12.83 TO STA 210+50

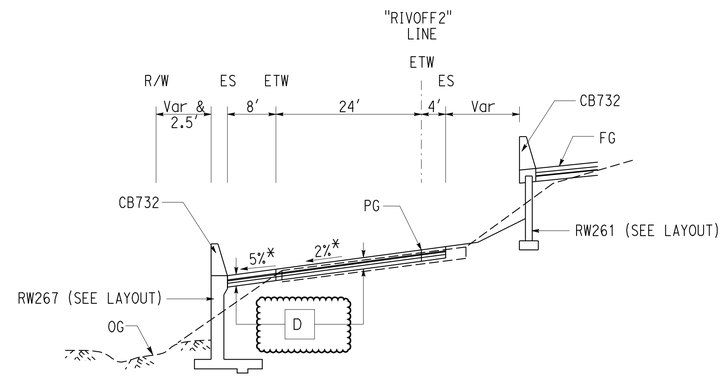



DETAIL "A"



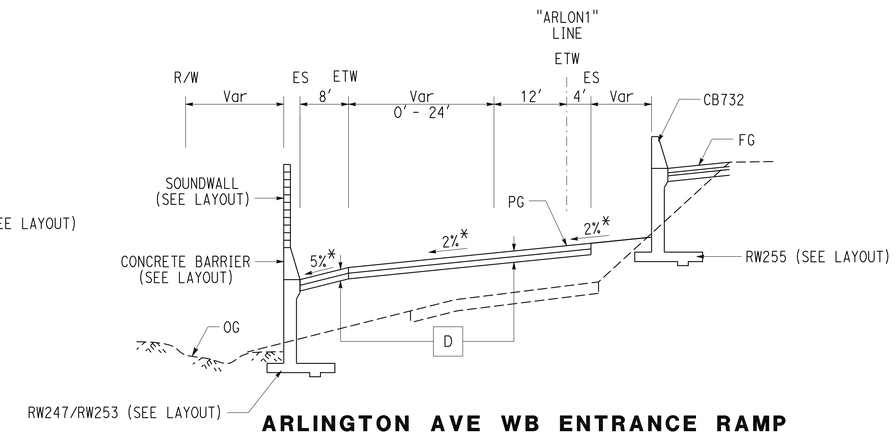

**ARLINGTON AVE EB ENTRANCE RAMP**

STA 260+53.65 TO STA 271+98.79



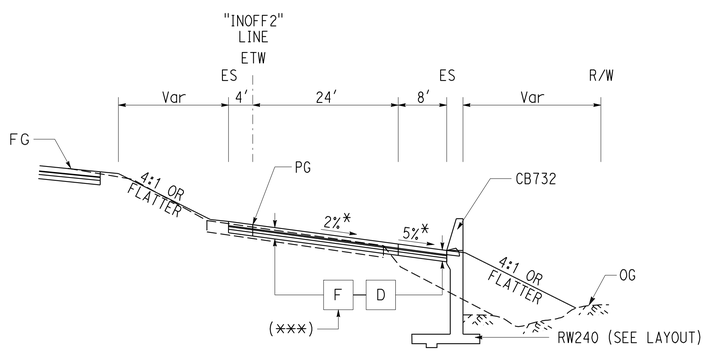

**ARLINGTON Ave WB EXIT RAMP**

STA 263+85.16 TO STA 270+99.61




**ARLINGTON AVE WB ENTRANCE RAMP**

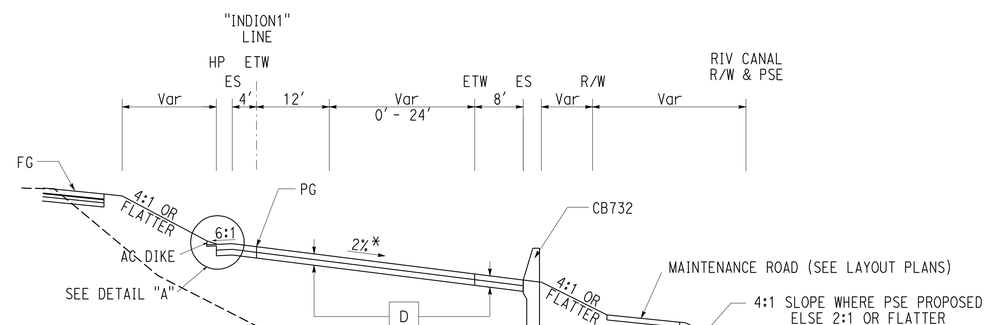
STA 246+26.46 TO STA 258+71.63




**INDIANA Ave EB EXIT RAMP**

(***) STA 251+43.50 TO STA 253+05.86

STA 244+70 TO sta 253+60.98




**INDIANA Ave EB ENTRANCE RAMP**

STA 251+90 TO 262+35.04

* EXCEPT IN SUPERELEVATION

# TYPICAL CROSS SECTIONS

NO SCALE

**X-13**

| REVISED BY | DATE REVISED |
|---|---|
| | |

CALCULATED-DESIGNED BY: THAI VAN HGUYEN — CHECKED BY: THOMAS HIEN NGO

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN — Caltrans

LAST REVISION 04-21-11 — DATE PLOTTED => 29-APR-2011 — TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 15 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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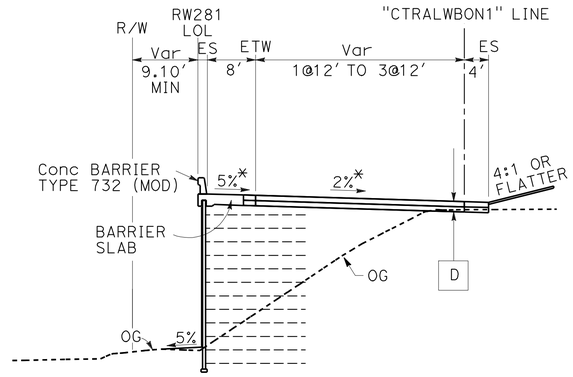
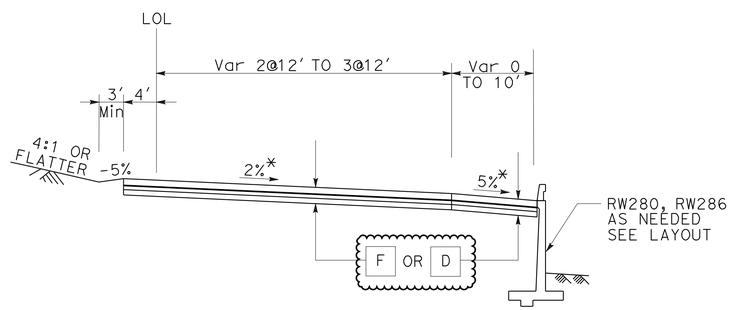



## CENTRAL Ave WB ENTRANCE RAMP

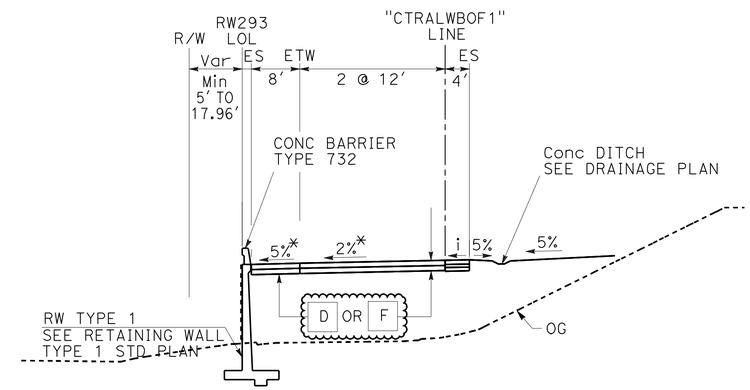
Sta 285+25.66 TO Sta 290+20.89




## CENTRAL Ave EB EXIT RAMP

Sta 283+87.91 TO Sta 291+39.22

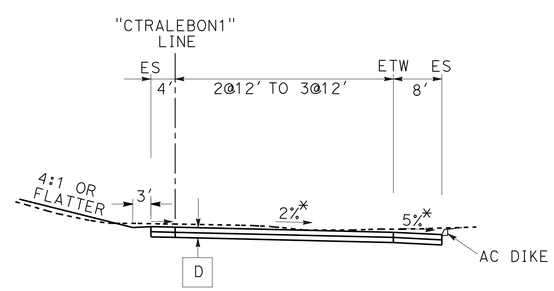
F Sta 289+60.00 TO Sta 291+39.22




## CENTRAL Ave WB EXIT RAMP

Sta 290+32.60 TO Sta 296+76.08

F Sta 290+32.60 TO Sta 292+10.00




## CENTRAL Ave EB ENTRANCE RAMP

Sta 292+86.46 TO Sta 298+53.30

# TYPICAL CROSS SECTIONS

NO SCALE

**X-14**

| REVISED BY | DATE REVISED |
|---|---|
| ANNABELL WANG | |
| CUONG LE TRAN | |

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 16 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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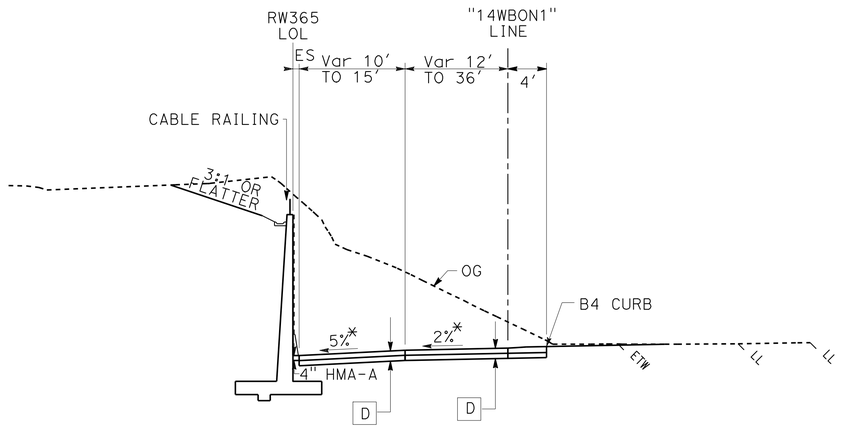
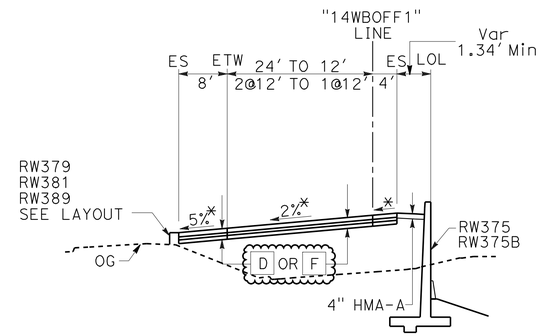


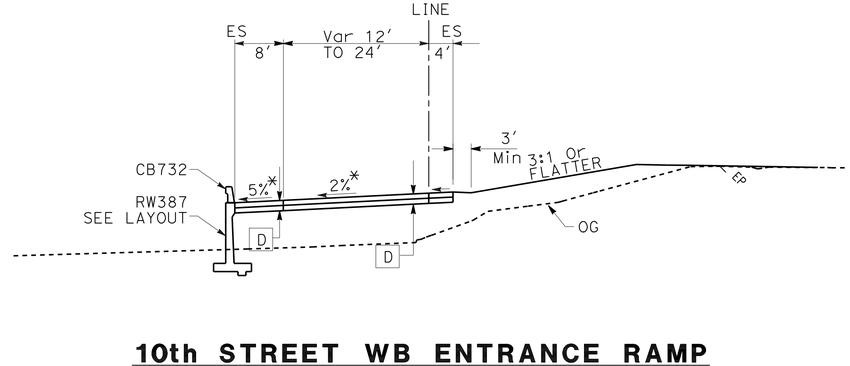

## 14th STREET WB ENTRANCE RAMP

Sta 365+38.64 TO Sta 371+00




## 14th STREET WB EXIT RAMP

Sta 377+24.40 TO Sta 393+47.87
Sta 380+03.50 TO Sta 389+33.50 SEE Br No. 56-0837K
F Sta 377+24.40 TO Sta 379+73.50




## 10th STREET WB ENTRANCE RAMP

Sta 386+51.20 TO Sta 391+81

# TYPICAL CROSS SECTIONS

NO SCALE

**X-15**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 17 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

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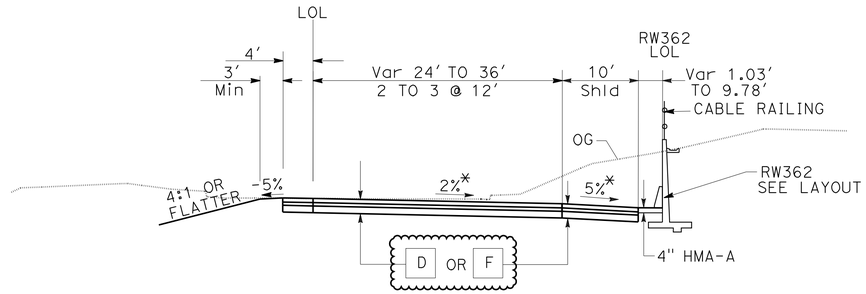
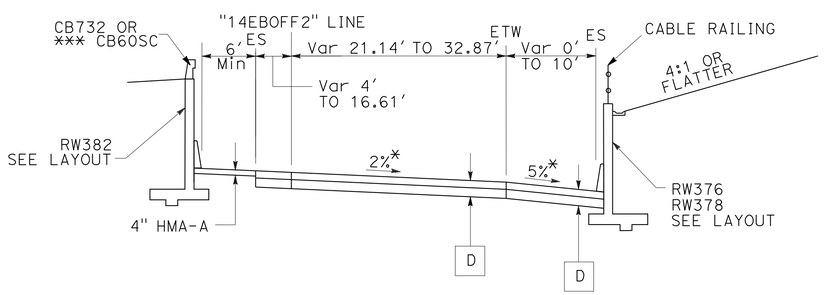


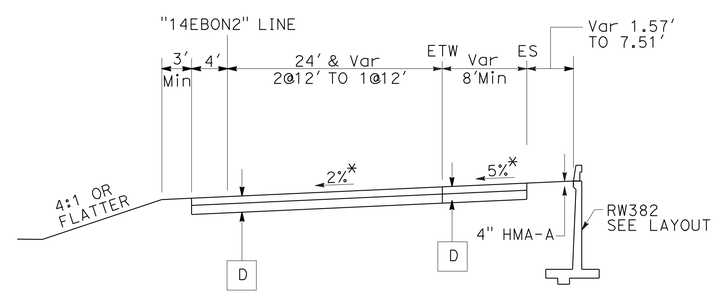

## 14th STREET EB EXIT RAMP

Sta 366+31.98 TO Sta 373+94.88
F Sta 372+40.00 TO Sta 373+94.88




## UNIVERSITY Ave EB EXIT RAMP

Sta 375+13.98 TO Sta 390+20




## 14th STREET EB ENTRANCE RAMP

Sta 374+60.94 TO Sta 383+02.31
Sta 376+88.00 TO Sta 381+98.00 SEE Br. No. 56-0838S

# TYPICAL CROSS SECTIONS

NO SCALE

**X-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 18 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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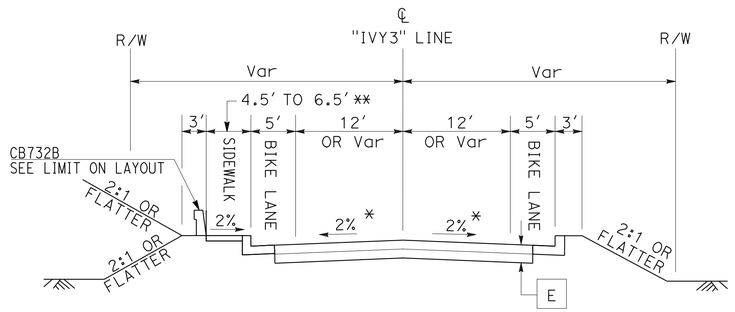
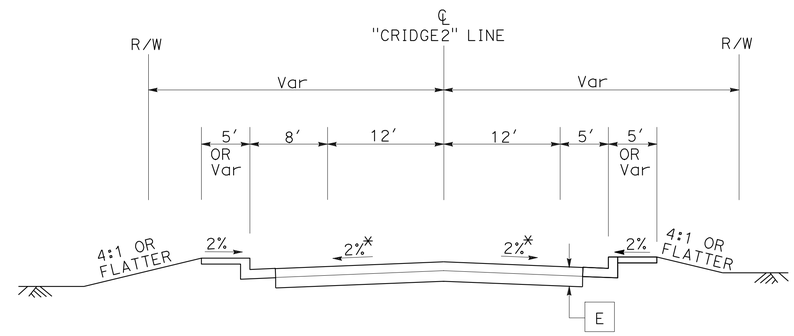
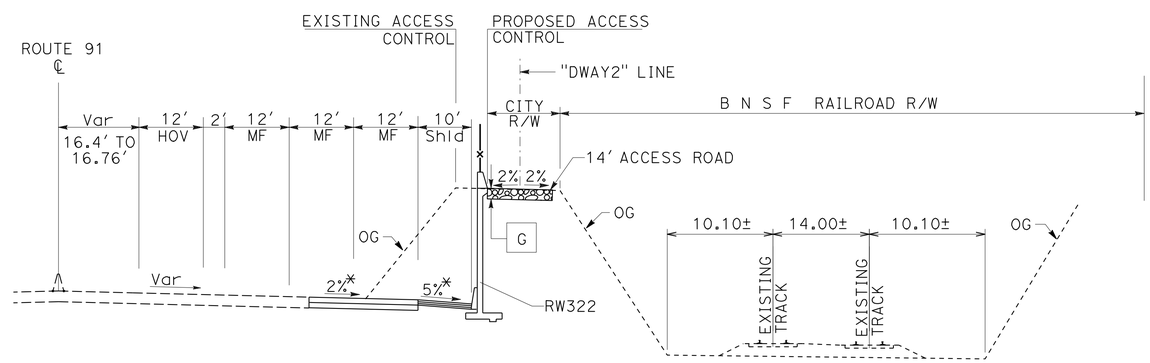



## IVY STREET
Sta 5+85.00 TO Sta 13+01.95




## CRIDGE St
Sta 5+16.63 TO Sta 8+76




## MAINTENANCE ACCESS ROAD TO CITY PUMP FACILITIES
Sta 6+41.80 TO Sta 10+36.06

## ROUTE 91

# TYPICAL CROSS SECTIONS
NO SCALE

X-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:12

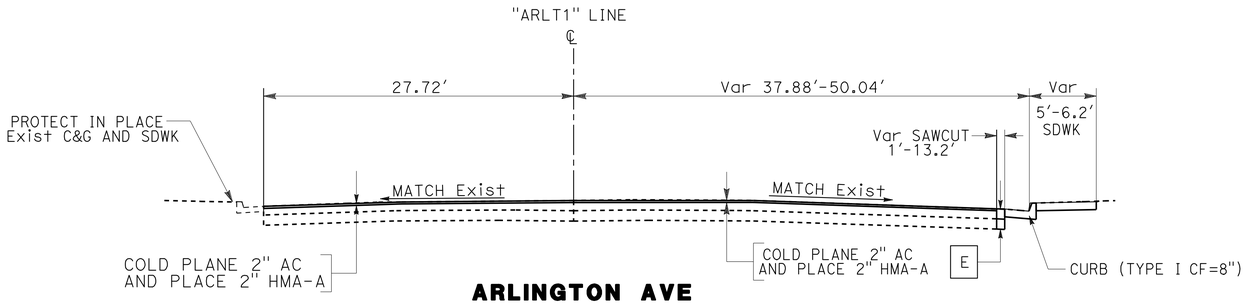
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 19 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 1-26-11

PLANS APPROVAL DATE 4-25-11

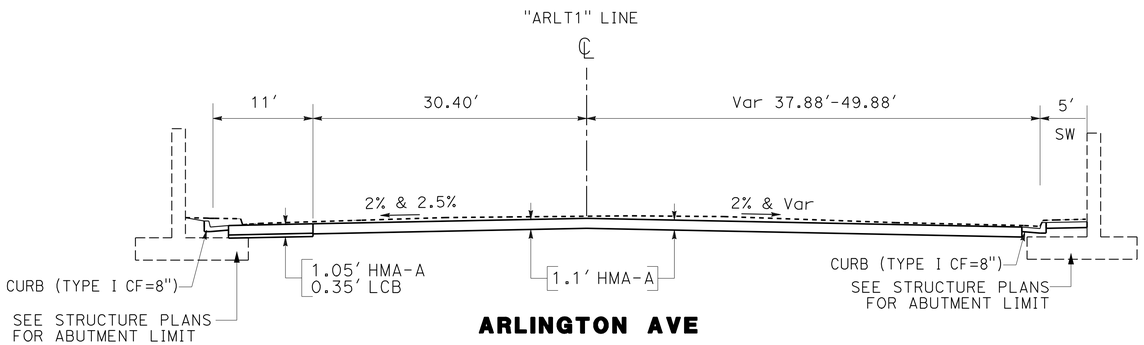
REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL — STATE OF CALIFORNIA

*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.*



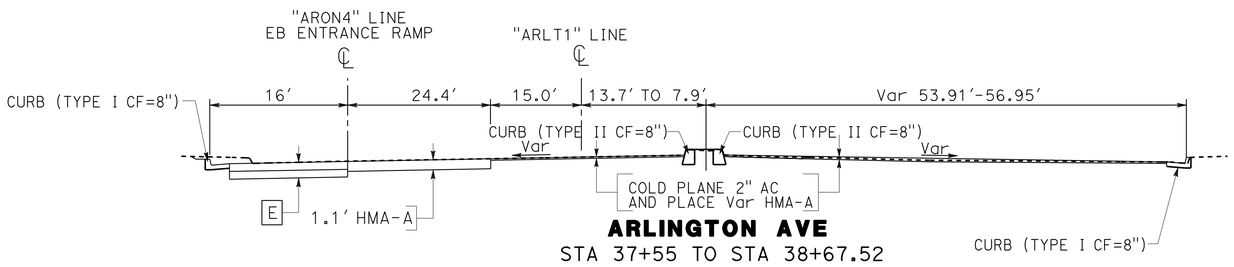

**ARLINGTON AVE**

STA 30+10 TO STA 33+00



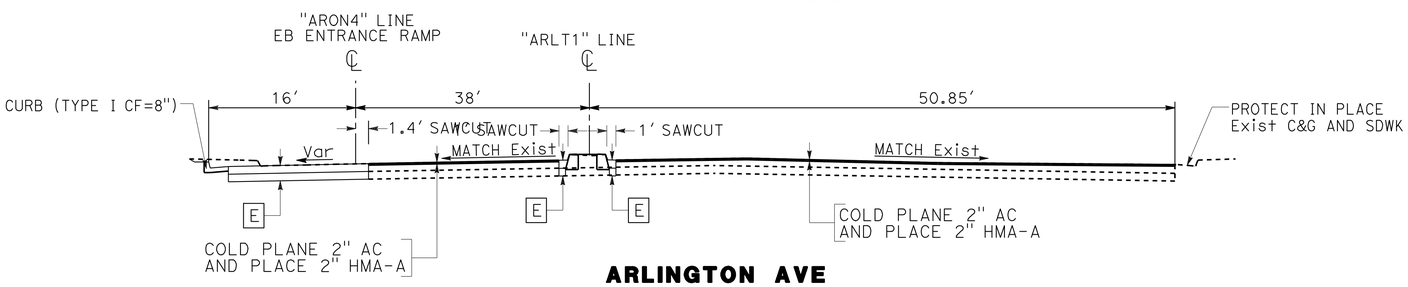

**ARLINGTON AVE**

STA 32+89.59 TO STA 37+55



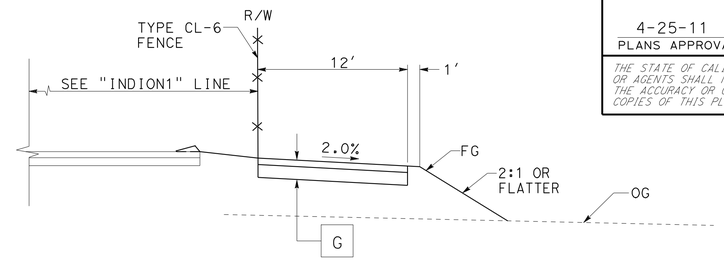

**ARLINGTON AVE**

STA 37+55 TO STA 38+67.52

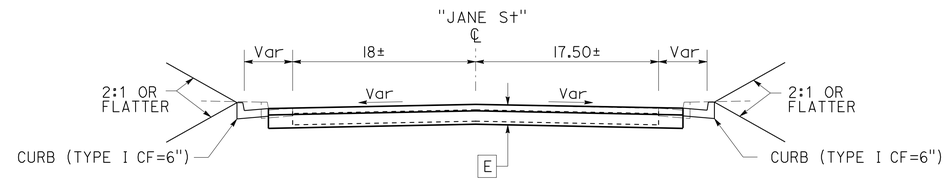



**ARLINGTON AVE**

STA 38+67.52 TO STA 39+78.7

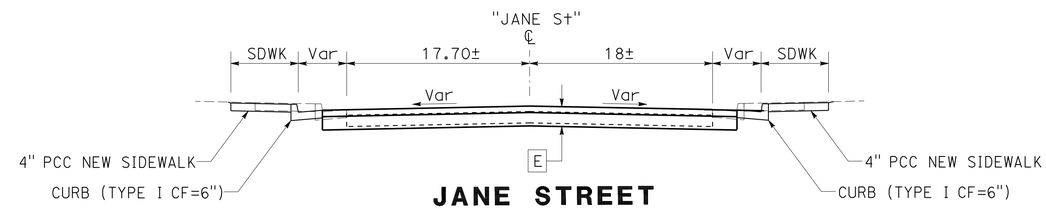



**MAINTENANCE ACCESS ROAD**



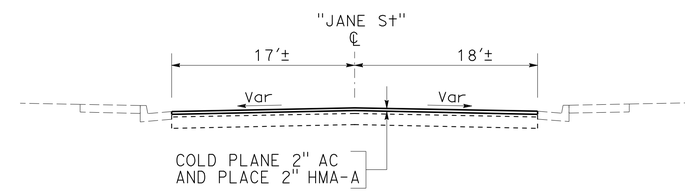

**JANE STREET**

Sta 24+60.00 TO Sta 25+94.40




**JANE STREET**

Sta 27+16.35 TO Sta 28+40.40




**JANE STREET**

Sta 28+40.40 TO Sta 29+81.04

# TYPICAL CROSS SECTIONS

NO SCALE

**X-18**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans — DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: THOMAS HIEN NGO — CHECKED BY: THAI VAN HGUYEN

REVISED BY — DATE REVISED

LAST REVISION 01-26-11 — DATE PLOTTED => 29-APR-2011 — TIME PLOTTED => 17:12

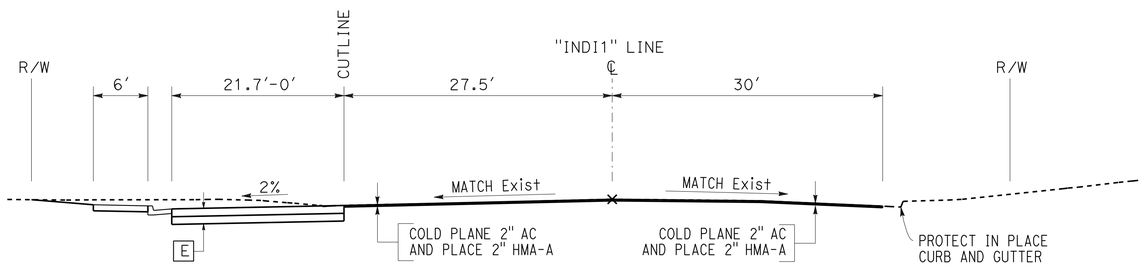
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 20 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

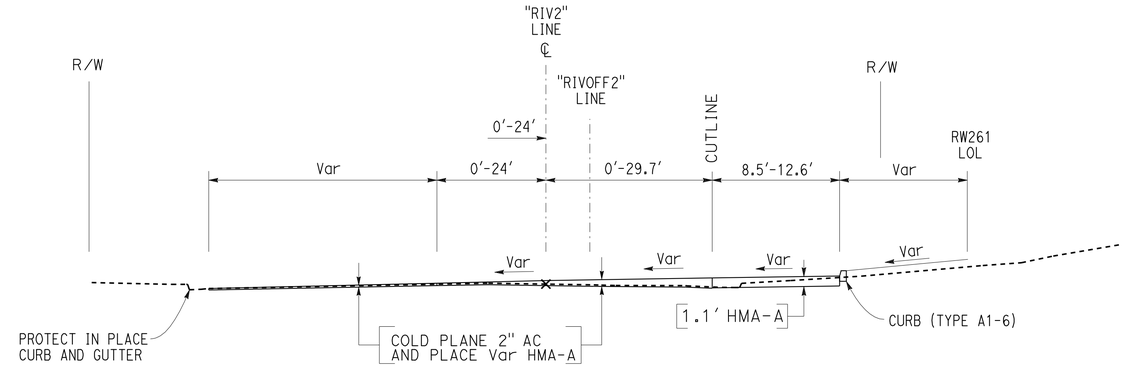
REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

*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.*



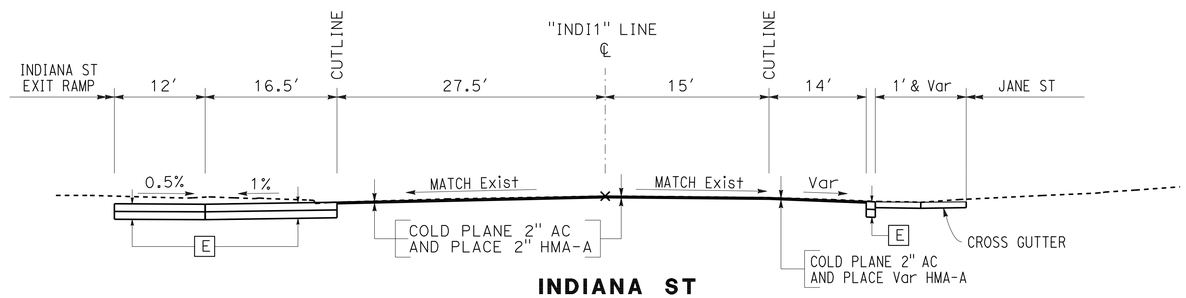

**INDIANA ST**

STA 38+20.00 TO STA 42+00.00 STA 37+80.00 TO STA 42+00.00



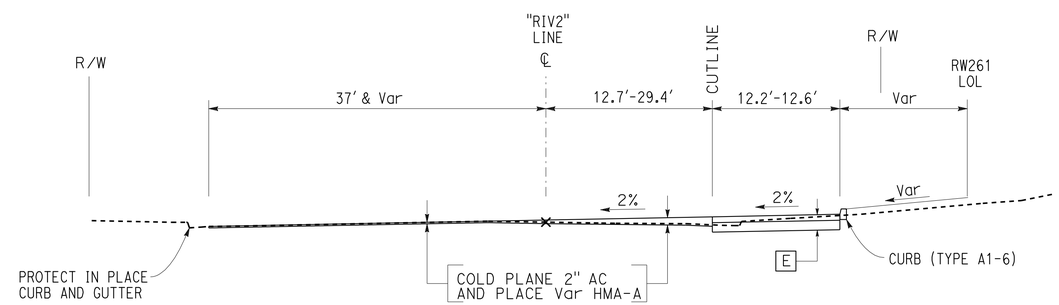

**RIVERSIDE AVE**

STA 263+85.00 TO STA 264+75.00
STA 264+75.00 TO 266+10.00 (SEE CONSTRUCTION DETAILS)



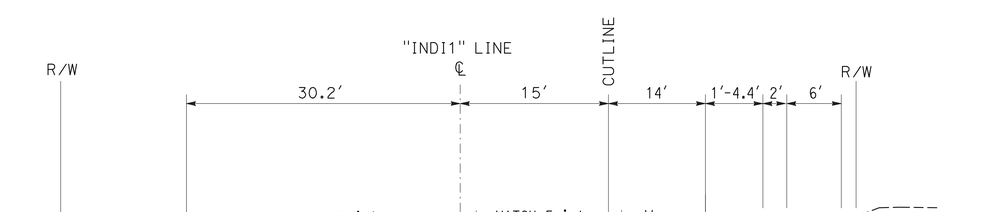

**INDIANA ST**

STA 36+34.00 TO STA 38+20.00 STA 36+76.00 TO STA 37+80.00




**RIVERSIDE AVE**

STA 261+00.00 TO STA 263+85.00
STA 259+30.00 TO 261+00.00 (SEE CONSTRUCTION DETAILS)




**INDIANA ST**

STA 29+60.00 TO STA 36+34.00 STA 29+60.00 TO STA 36+76.00

# TYPICAL CROSS SECTIONS
NO SCALE

**X-19**

REVISED BY | DATE REVISED
THAI VAN HGUYEN | THOMAS HIEN NGO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:13

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 21 | 2028 |

REGISTERED CIVIL ENGINEER — DATE: 12-1-10

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO — No. 68383 — Exp. 9/30/11 — CIVIL — STATE OF CALIFORNIA

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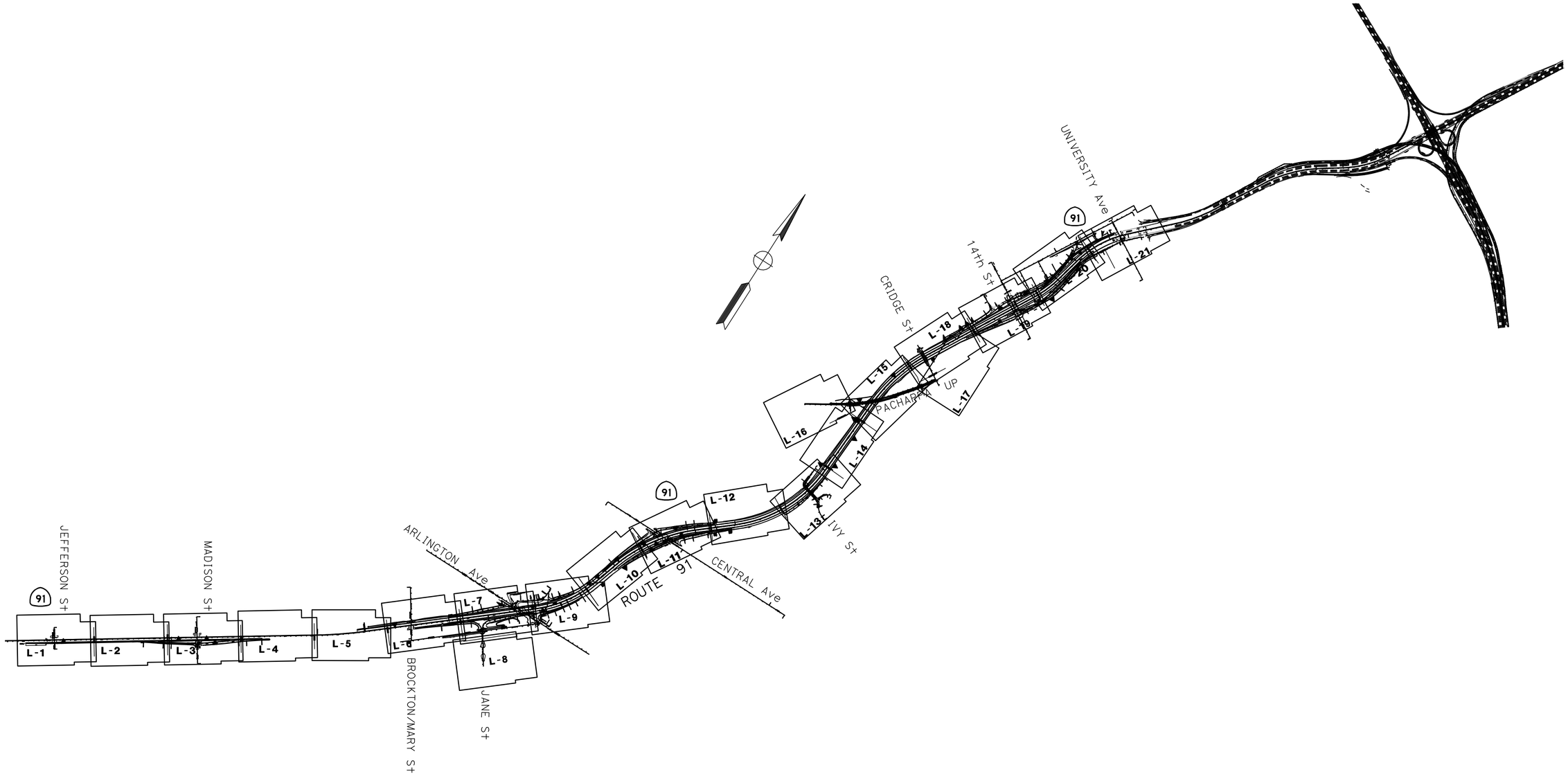


# KEY MAP
NO SCALE

**K-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 02-MAY-2011
TIME PLOTTED => 07:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 22 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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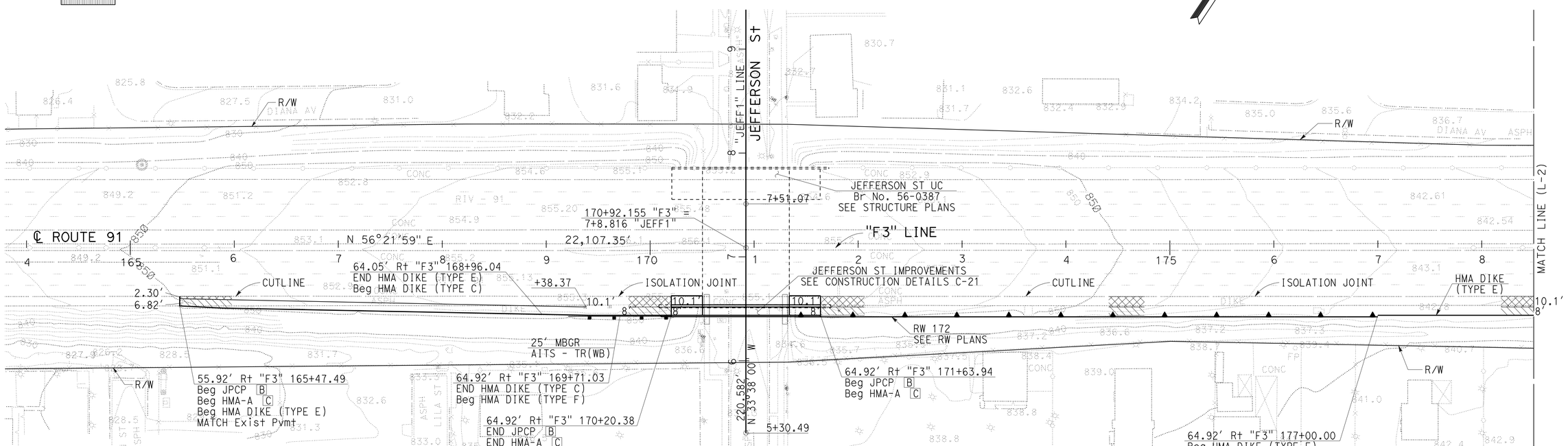
## LEGEND:

- RIGHT OF WAY
- ACCESS CONTROL
- RETAINING WALL
- COMBINED RETAINING WALL/ SOUND WALL
- SOUND WALL
- FENCE
- JPCP — JOINTED PLAIN CONCRETE PAVEMENT
- HMA-A — HOT MIX ASPHALT (TYPE A) PAVEMENT
- RSC — RAPID STRENGTH CONCRETE
- 4" HMA-A — PLACE 4" HMA (TYPE A) IN Misc AREA
- CP1 — COLD PLANE 2" AC AND PLACE 2" HMA-A
- CP2 — COLD PLANE 2" AC AND PLACE Var HMA-A

## ABBREVIATIONS:

| | |
|---|---|
| TCE | TEMPORARY CONSTRUCTION EASEMENT |
| PDE | PERMANENT DRAINAGE EASEMENT |
| PSE | PERMANENT SLOPE EASEMENT |
| ING-EG ACCESS | INGRESS-EGRESS ACCESS |
| AFTS | ALTERNATIVE FLARED TERMINAL SYSTEM |
| AITS | ALTERNATIVE IN-LINE TERMINAL SYSTEM |
| TR(WB) | TRANSITION RAILING (TYPE WB) |
| SFT | END ANCHOR ASSEMBLY (TPE SFT) |
| CB60S | CONCRETE BARRIER (TYPE 60S) |
| CB60SC | CONCRETE BARRIER (TYPE 60SC) |
| CB60R(Mod) | CONCRETE BARRIER (TYPE 60R Mod) |
| CB732B | CONCRETE BARRIER (TYPE 732B) |
| CB736B | CONCRETE BARRIER (TYPE 736B) |
| SDWK | SIDEWALK |
| C&G | CURB AND GUTTER |
| MVP | MAINTENANCE VEHICLE PULLOUT |
| O.C. | ON CURVE |
| GB | GRADE BREAK |




## NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. FOR ROADWAY REMOVAL OR OBLITERATION, SEE CONSTRUCTION DETAILS C-1 TO C-20.
3. FOR RAMP TERMINI AND STREET INTERSECTIONS, SEE CONSTRUCTION DETAILS.
4. FOR CONCRETE BARRIER TRANSITION, SEE 2006 STANDARD PLANS.
5. FOR Conc BARRIER (TYPE 60R Mod), SEE CONSTRUCTION DETAIL PLANS
6. FOR ROCK BLANKET AT GORE AREA, SEE HP SHEETS.
7. FOR CURB AND DIKE TRANSITION, SEE CONSTRUCTION DETAIL PLANS
8. FOR CONCRETE PAVEMENT JOINTS, DOWELS AND TIE BARS, SEE 2006 STANDARD PLANS.
9. FOR OVERSIDE DRAINS, DOWN DRAINS, SEE DRAINAGE PLANS.
10. FOR HMA DIKE LOCATION, TYPE AND TOTALS, SEE LAYOUTS AND SUMMARY OF QUANTITIES.
11. FOR MBGR LAYOUT, TYPE AND TOTALS, SEE LAYOUTS AND SUMMARY OF QUANTITIES.
12. ACCESS TO ALL RESIDENTIAL AND COMMERCIAL PROPERTY SITES SHALL BE MAINTAINED AT ALL TIMES THROUGH OUT THE CONSTRUCTION DURATION.
13. ALL LANDSCAPE AND HARDSCAPE WITHIN THE TEMPORARY CONSTRUCTION EASEMENT (TCE) LIMIT SHALL BE PROTECTED IN PLACE. DISTURBED LANDSCAPE AND HARDSCAPE SHALL BE REPLACED IN KIND.
14. ALL ROADWAY WORKS SHALL CONFORM TO EXISTING.
15. FOR MAINTENANCE PULLOUT, SEE 2006 STANDARD PLAN H9.

# LAYOUT

SCALE: 1" = 50'

**L-1**

| REVISED BY | DATE REVISED |
|---|---|
| | |

CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 04-21-11
DATE PLOTTED => 04-MAY-2011
TIME PLOTTED => 11:07

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 23 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 3-29-10

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO — No. 68383 — Exp. 9/30/11 — CIVIL — STATE OF CALIFORNIA

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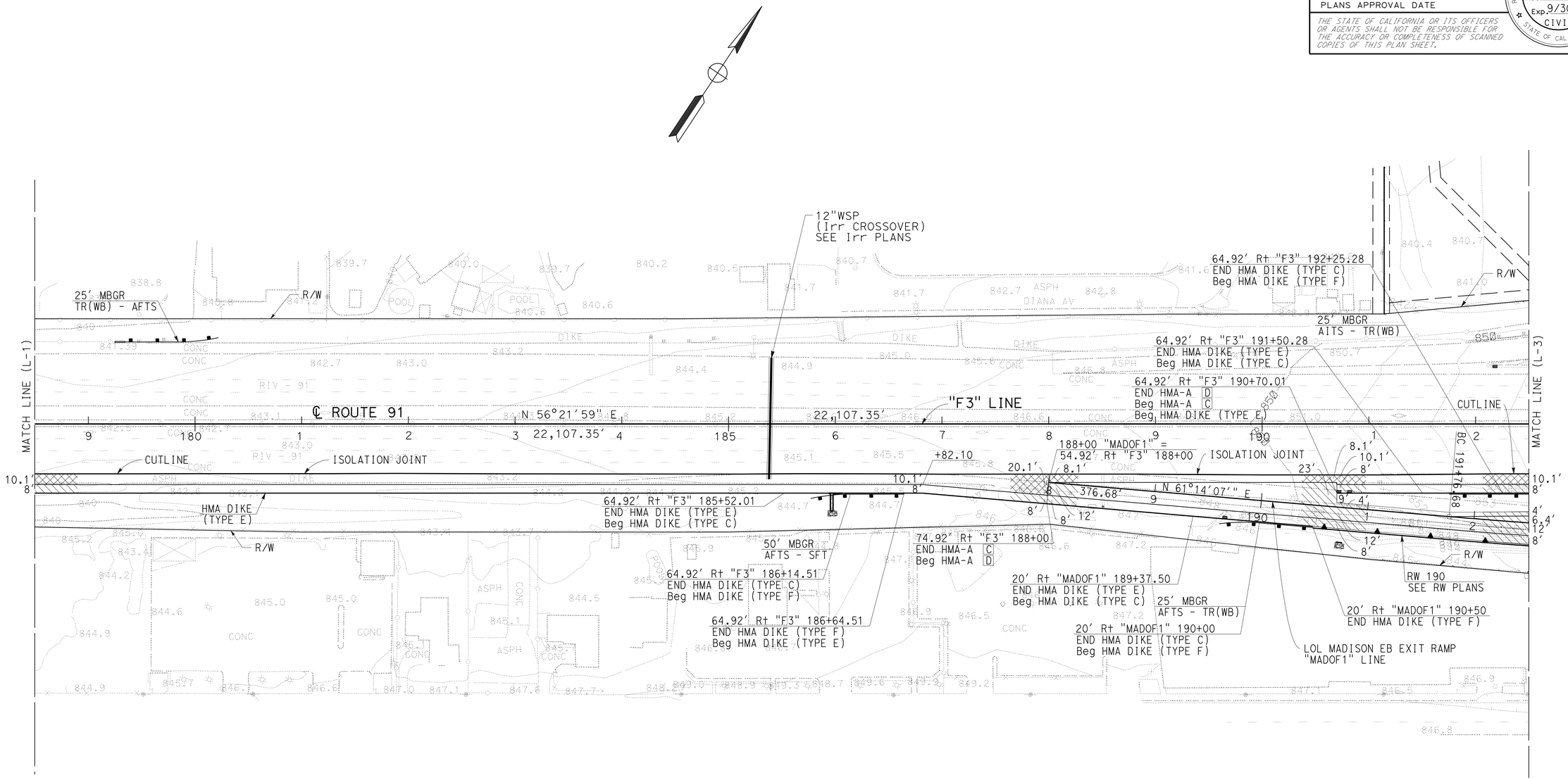
**NOTE:**

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




# LAYOUT

SCALE: 1" = 50'

**L-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:13

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 24 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 3-29-10

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

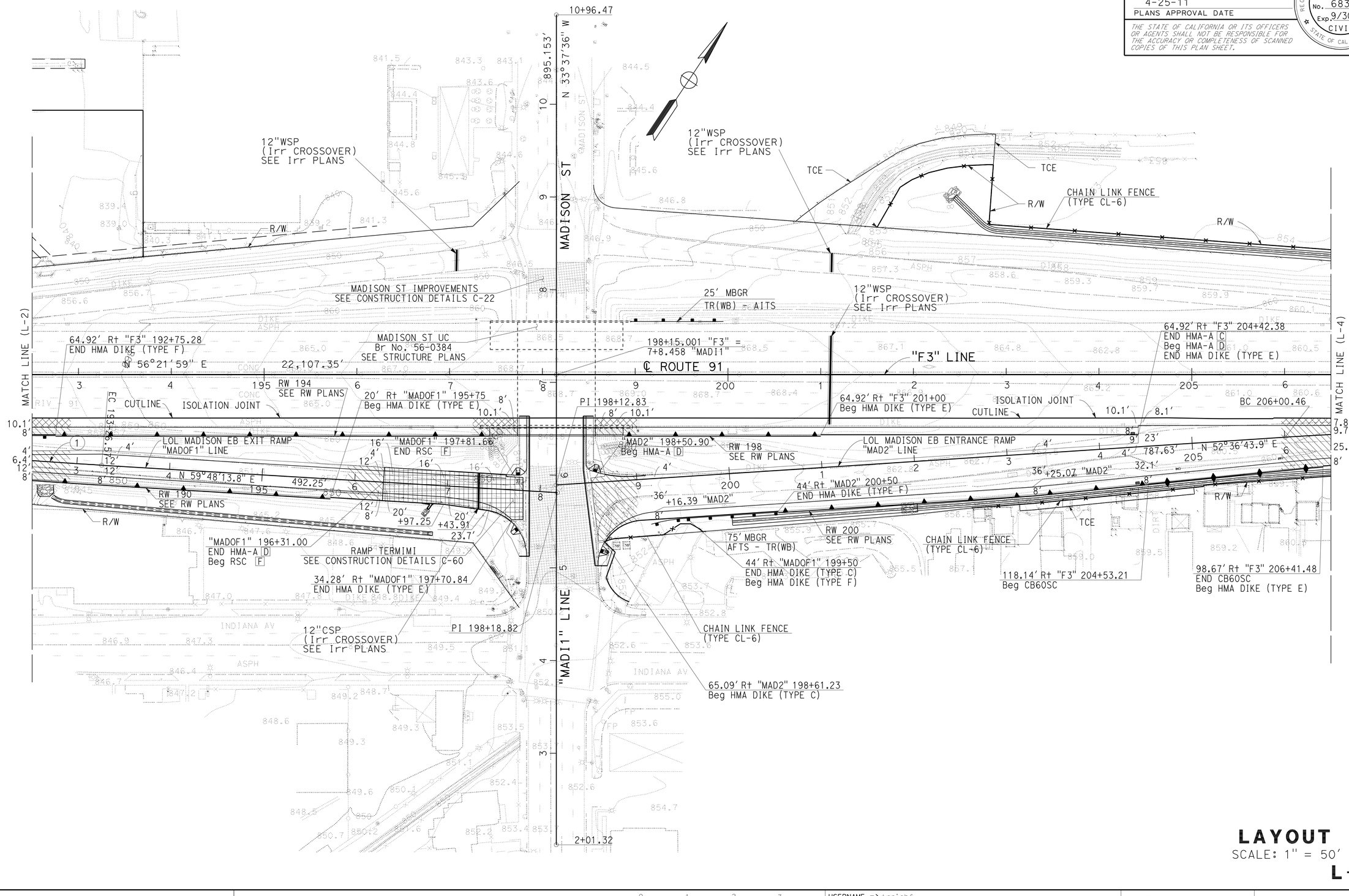
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 6000′ | 01°25′53″ | 74.95′ | 149.90′ |




**LAYOUT**
SCALE: 1″ = 50′
**L-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY
DATE REVISED

LAST REVISION 03-29-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:13

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 25 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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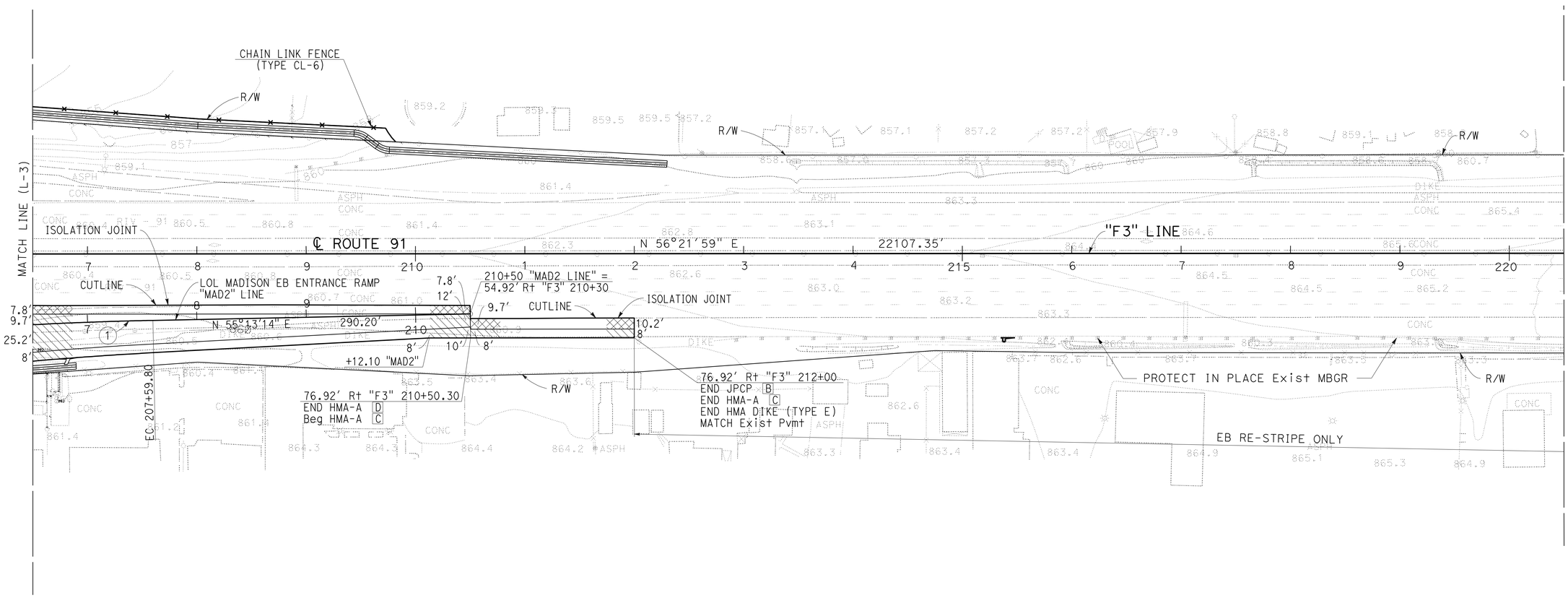
**NOTE:**

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

CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 3500′ | 02°36′30" | 79.68′ | 159.34′ |




**LAYOUT**
SCALE: 1" = 50′

**L-4**

| REVISED BY | DATE REVISED |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:13

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 26 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

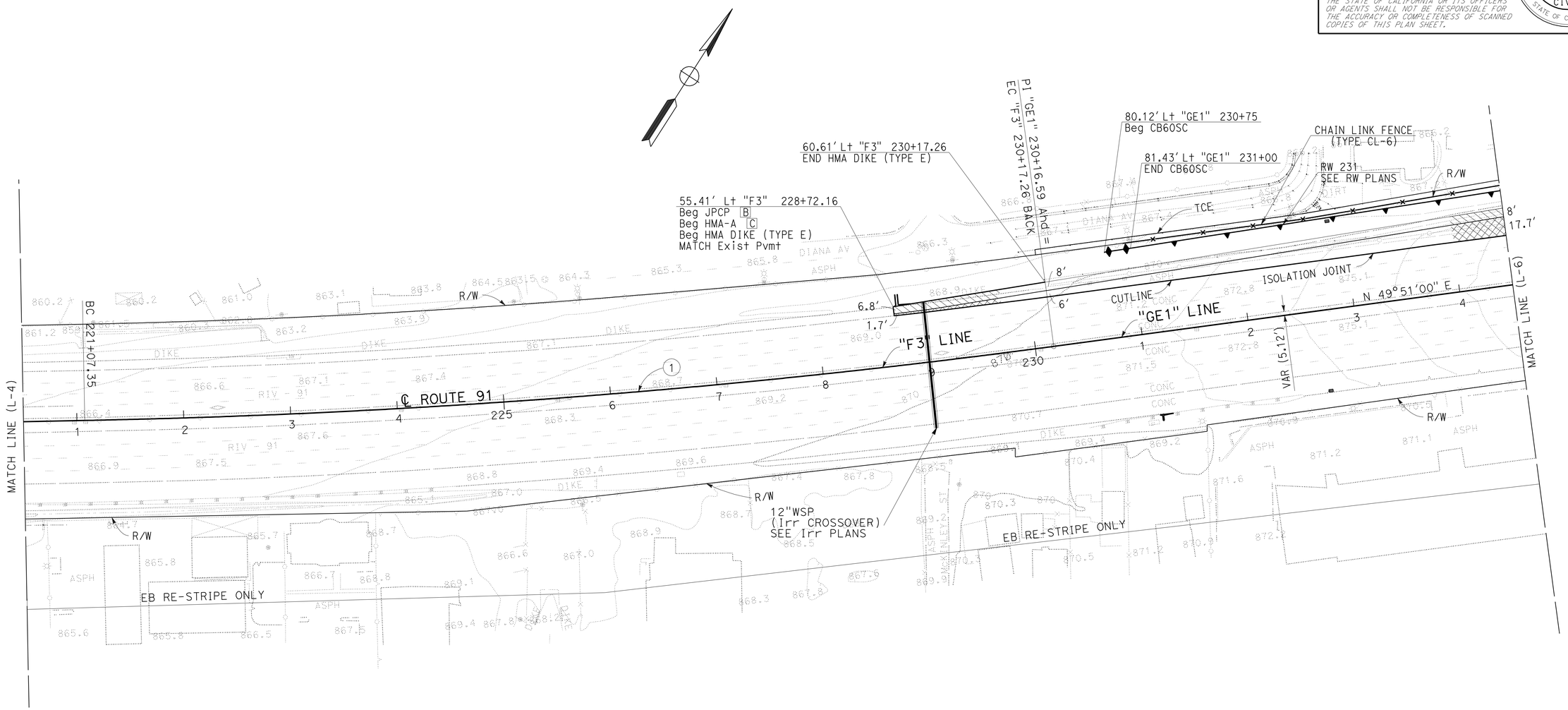
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*

**NOTE:**

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




CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 8000' | 6°31'00" | 455.44' | 909.91' |

**LAYOUT**
SCALE: 1" = 50'

**L-5**

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

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:14

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 27 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

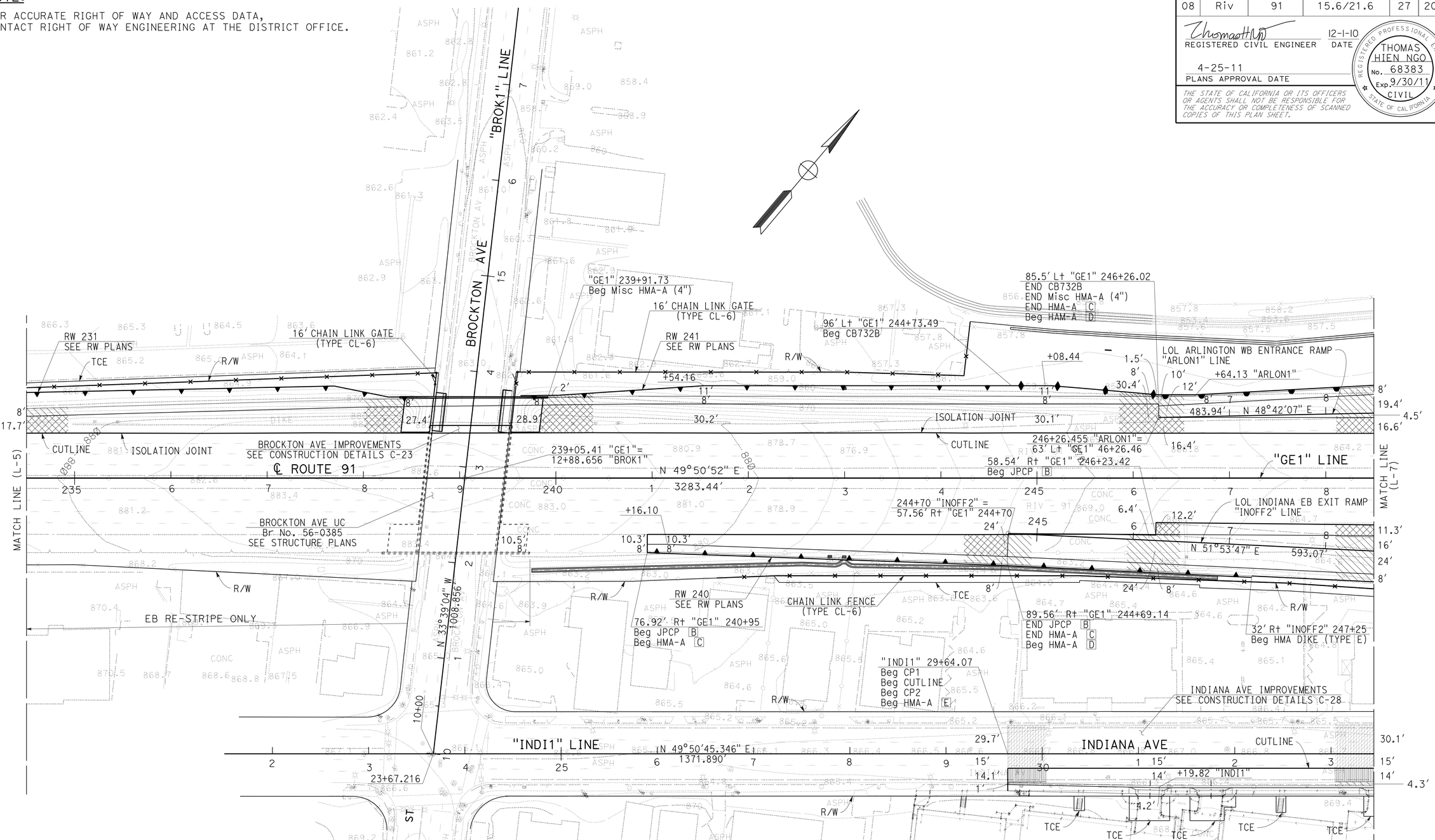
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*

**NOTE:**

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




# LAYOUT

SCALE: 1" = 50'

**L-6**

| REVISED BY | DATE REVISED |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

**DESIGN**

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:14

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 28 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

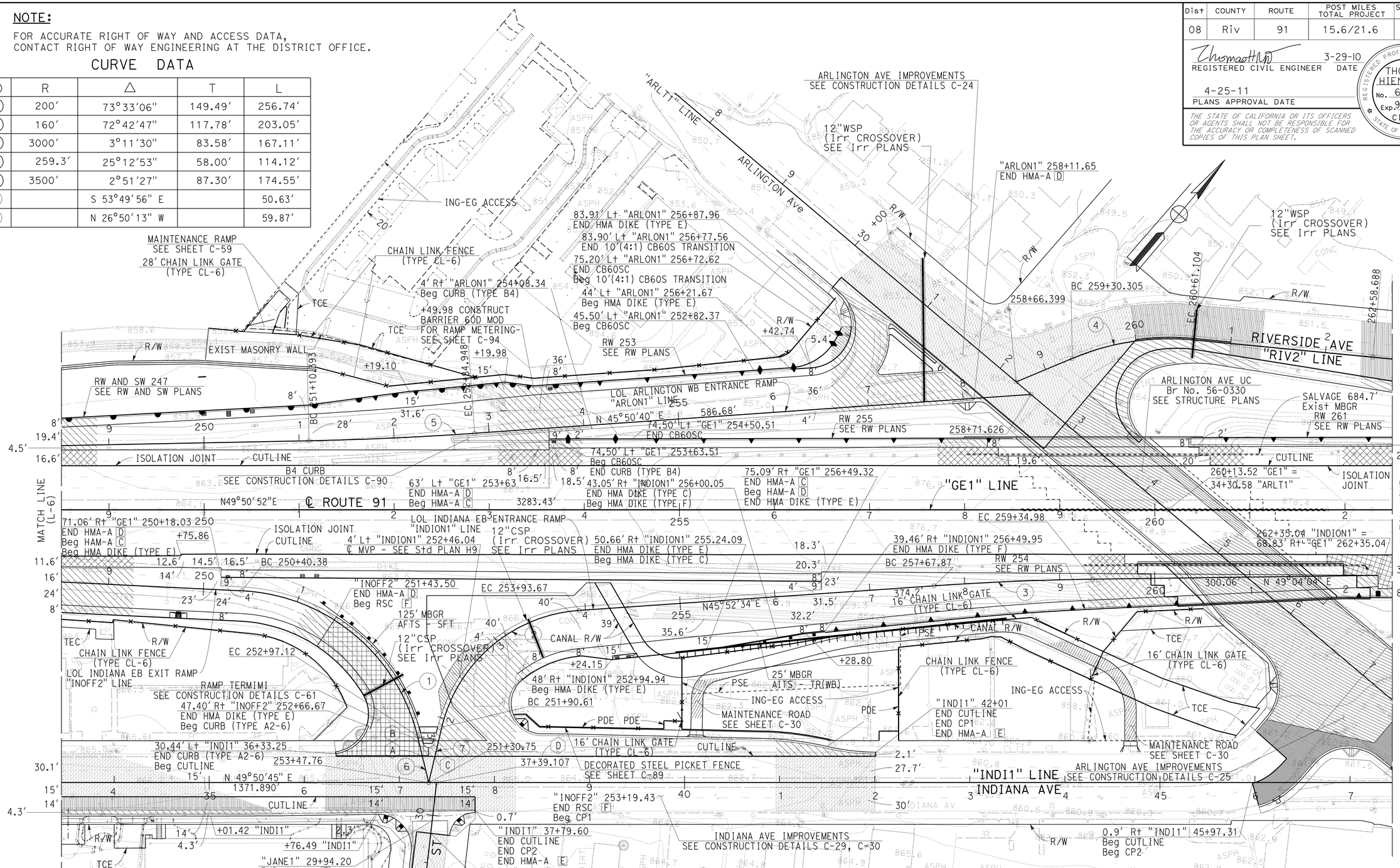
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

## CURVE DATA

| NO | R | △ | T | L |
|---|---|---|---|---|
| 1 | 200′ | 73°33′06" | 149.49′ | 256.74′ |
| 2 | 160′ | 72°42′47" | 117.78′ | 203.05′ |
| 3 | 3000′ | 3°11′30" | 83.58′ | 167.11′ |
| 4 | 259.3′ | 25°12′53" | 58.00′ | 114.12′ |
| 5 | 3500′ | 2°51′27" | 87.30′ | 174.55′ |
| 6 | | S 53°49′56" E | | 50.63′ |
| 7 | | N 26°50′13" W | | 59.87′ |




# LAYOUT

SCALE: 1" = 50′

**L-7**

| REVISED BY | DATE REVISED |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:14

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 29 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

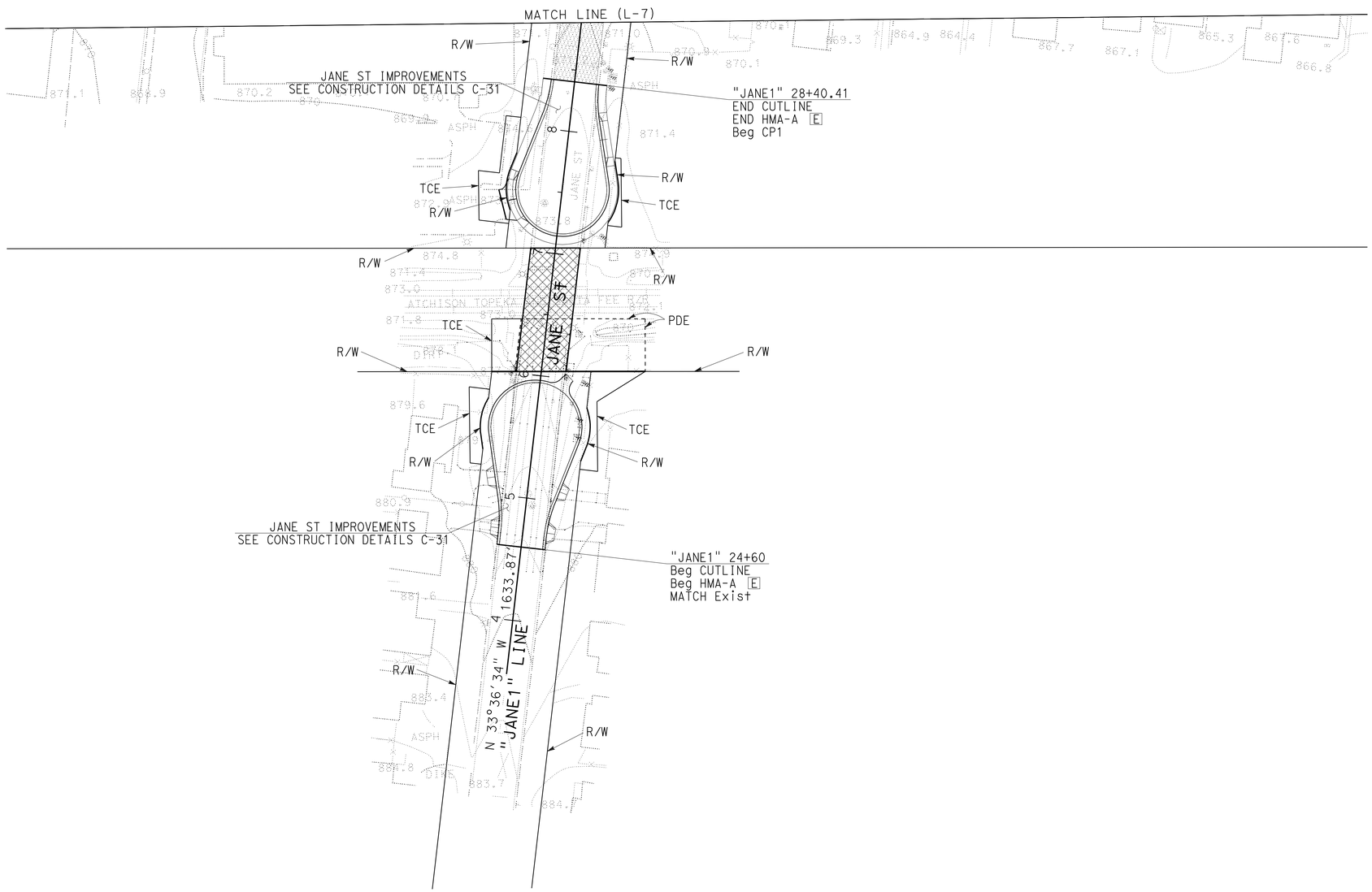
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*

**NOTE:**

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




**LAYOUT**

SCALE: 1" = 50'

**L-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 08-SEP-2011
TIME PLOTTED => 08:36

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 30 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

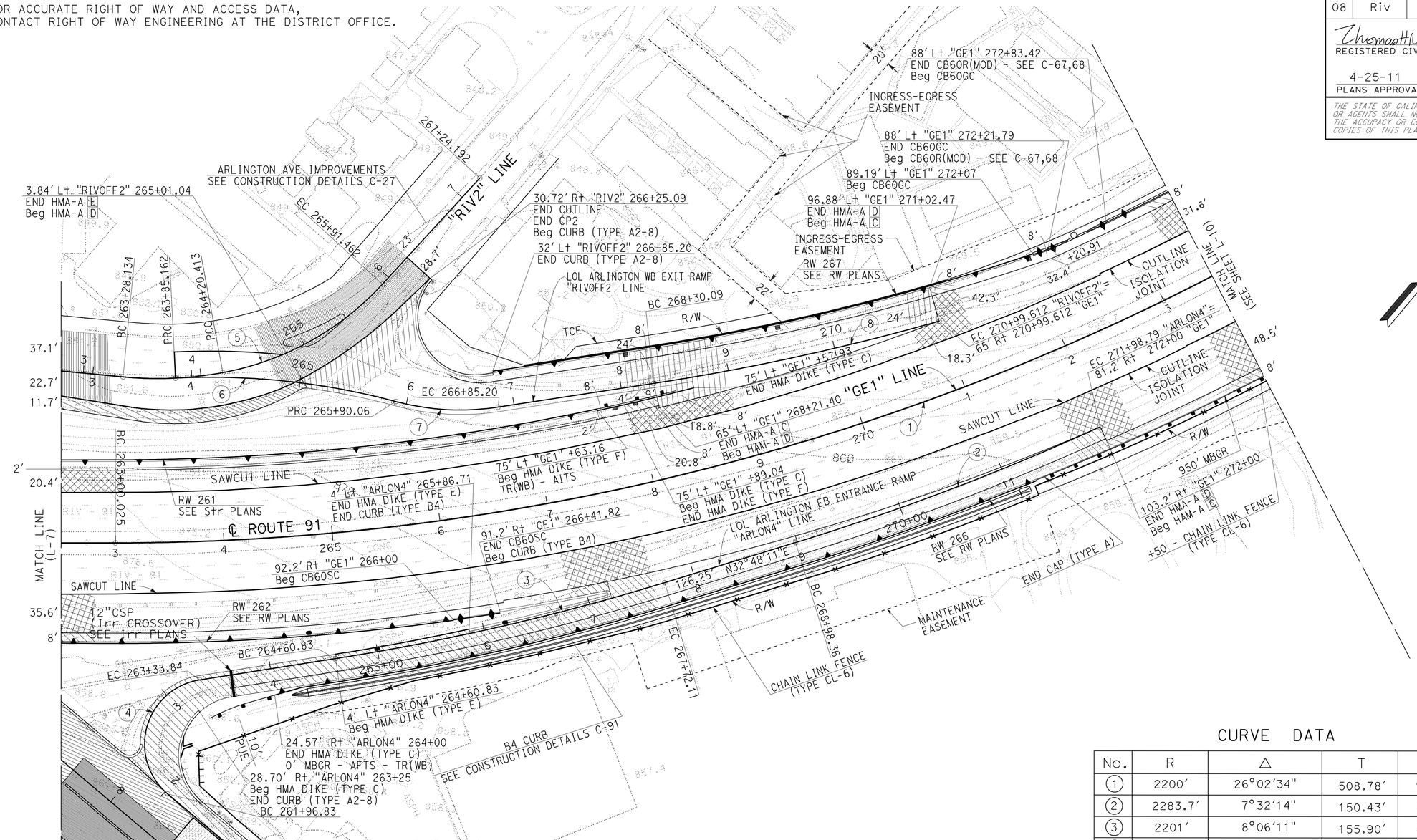
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*

**NOTE:**

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




## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 2200' | 26°02'34" | 508.78' | 999.98' |
| 2 | 2283.7' | 7°32'14" | 150.43' | 300.43' |
| 3 | 2201' | 8°06'11" | 155.90' | 311.28' |
| 4 | 60' | 131°10'45" | 132.21' | 137.37' |
| 5 | 265' | 36°58'58" | 88.62' | 171.05' |
| 6 | 657' | 17°52'08" | 103.29' | 204.90' |
| 7 | 230' | 23°42'00" | 48.26' | 95.14' |
| 8 | 2135' | 7°13'59" | 134.94' | 269.53' |

# LAYOUT

SCALE: 1" = 50'

**L-9**

| REVISED BY | DATE REVISED |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

CALCULATED-DESIGNED BY / CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **DESIGN**

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:14

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 31 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

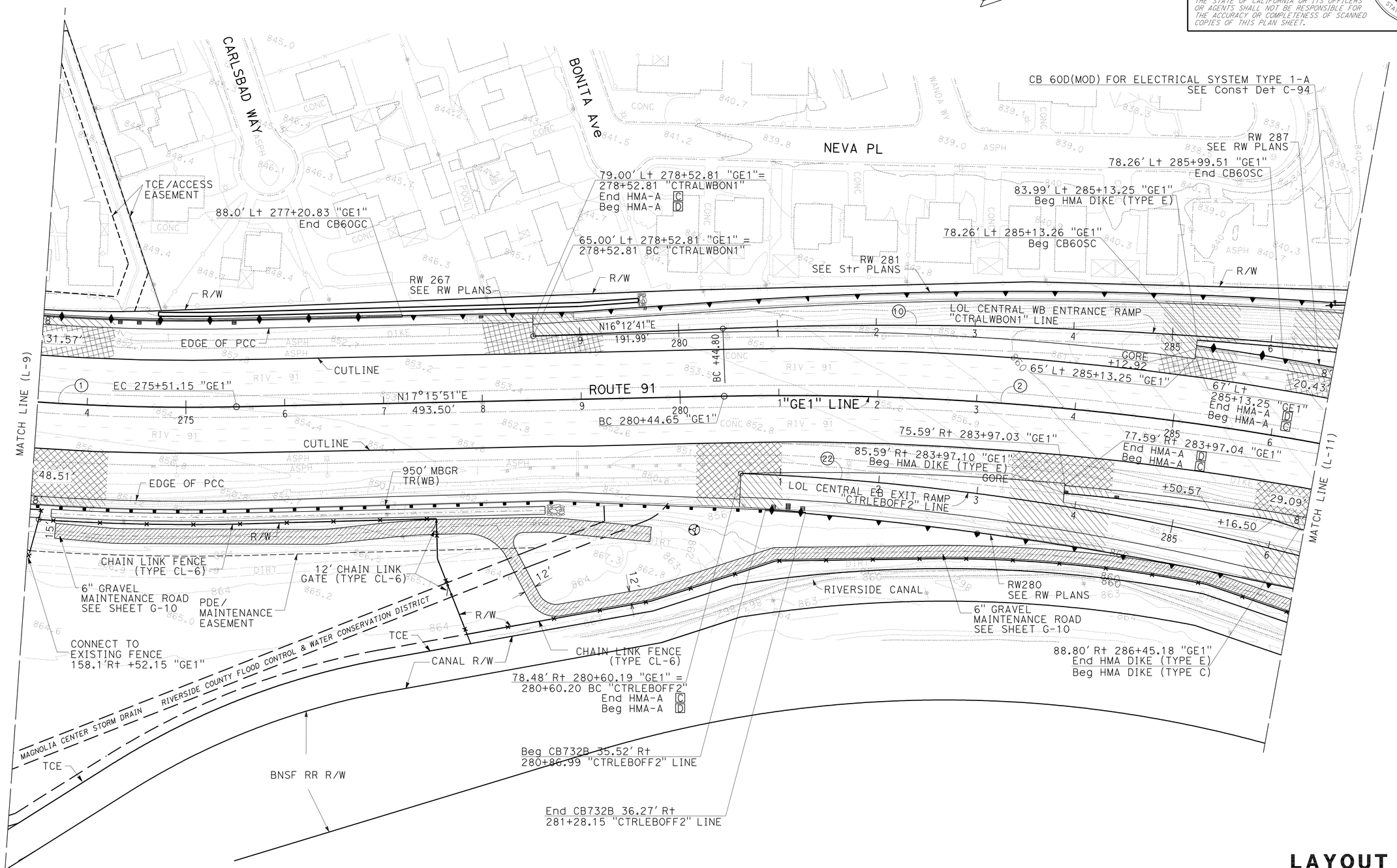
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 2200.00′ | 6°32′27" | 125.71′ | 251.15′ |
| 2 | 3000.00′ | 32°38′7" | 878.26′ | 1708.77′ |
| 10 | 4360.00′ | 9°03′54" | 345.63′ | 689.82′ |
| 22 | 2700.00′ | 12°44′53" | 301.61′ | 600.73′ |




# LAYOUT

SCALE: 1" = 50′

**L-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY

DATE REVISED

LAST REVISION 12-01-10

DATE PLOTTED => 29-APR-2011

TIME PLOTTED => 17:14

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trrichf

DGN FILE => 844840eq010.dgn

CU 08227

EA 448401

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 32 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

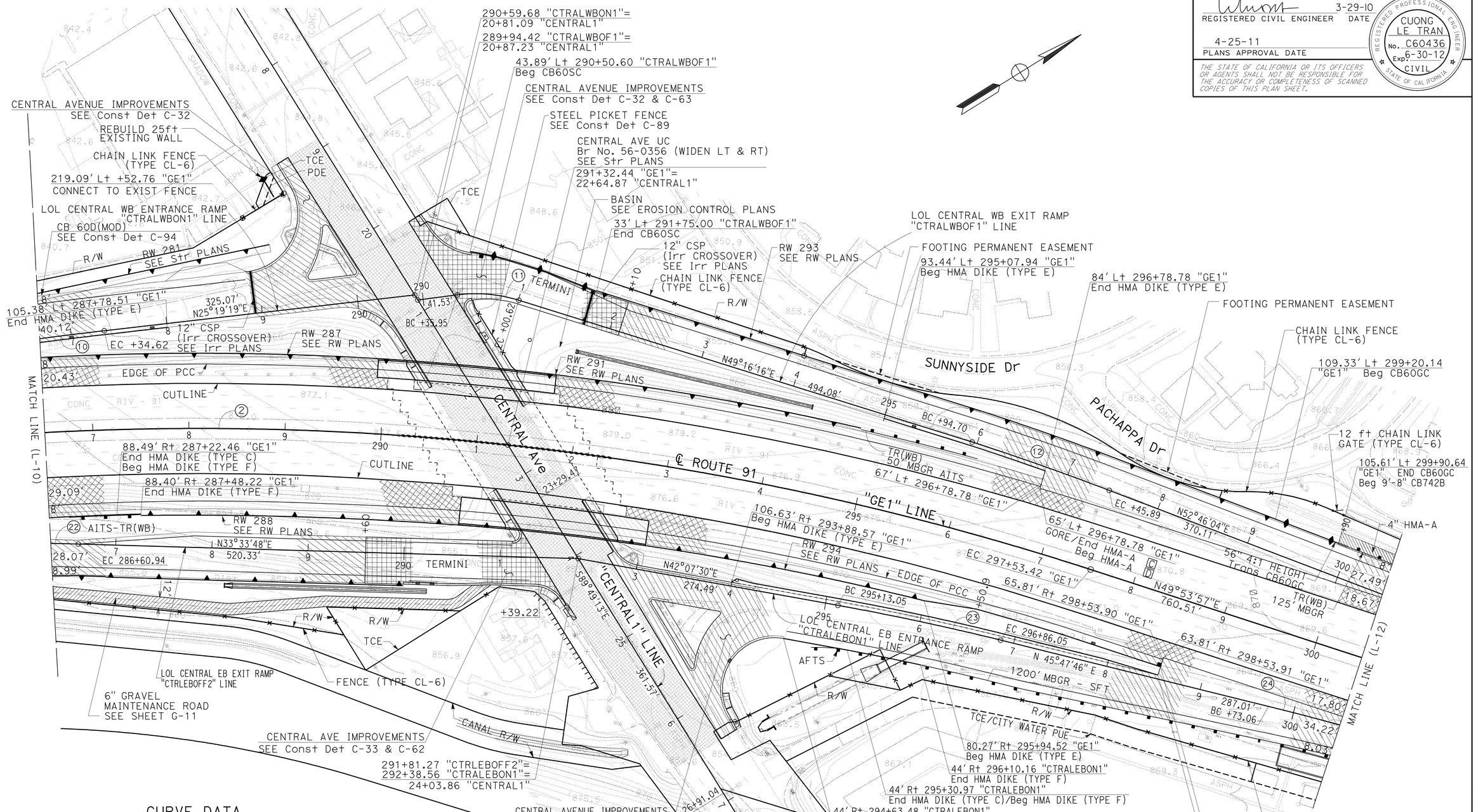
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*

**NOTE:**

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




## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 2 | 3000.00' | 32°38'7" | 878.26' | 1708.77' |
| 10 | 4360.00' | 9°3'54" | 345.63' | 689.82' |
| 11 | 150.00' | 24°42'12" | 32.85' | 64.67' |
| 12 | 3000.00' | 2°53'15" | 75.61' | 151.18' |
| 22 | 2700.00' | 12°44'53" | 301.61' | 600.73' |
| 23 | 2700.00' | 3°40'16" | 86.53' | 173.00' |
| 24 | 3000.00' | 3°11'0" | 83.36' | 166.68' |

# LAYOUT

SCALE: 1" = 50'

**L-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans®

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY

DATE REVISED

LAST REVISION 03-29-11

DATE PLOTTED => 29-APR-2011

TIME PLOTTED => 17:15

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 33 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

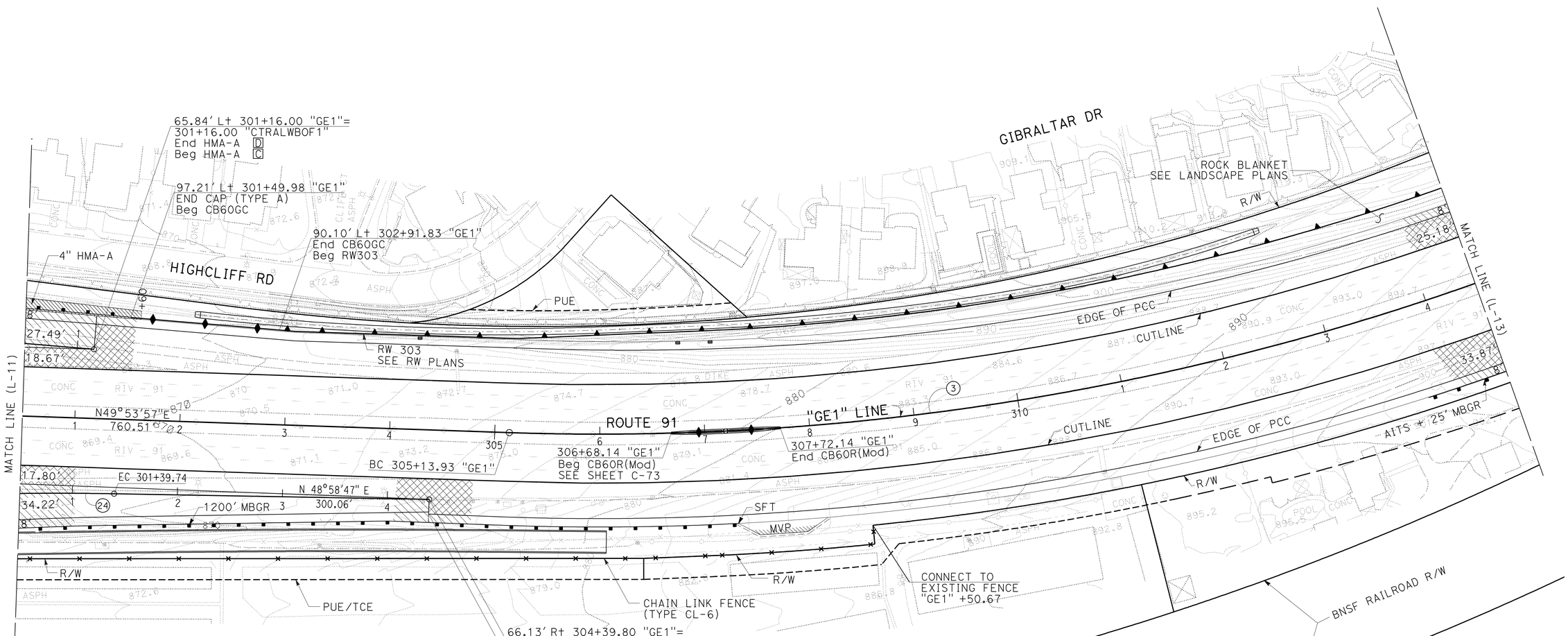
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 3 | 2500.00′ | 47°18′51″ | 1095.19′ | 2064.47′ |
| 24 | 3000.00′ | 3°11′0″ | 83.36′ | 166.68′ |




**LAYOUT**
SCALE: 1" = 50′

**L-12**

| REVISED BY | DATE REVISED |
|---|---|
| ANNABELL WANG | CUONG LE TRAN |

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
MARK PERTILE

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

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:15

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 34 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

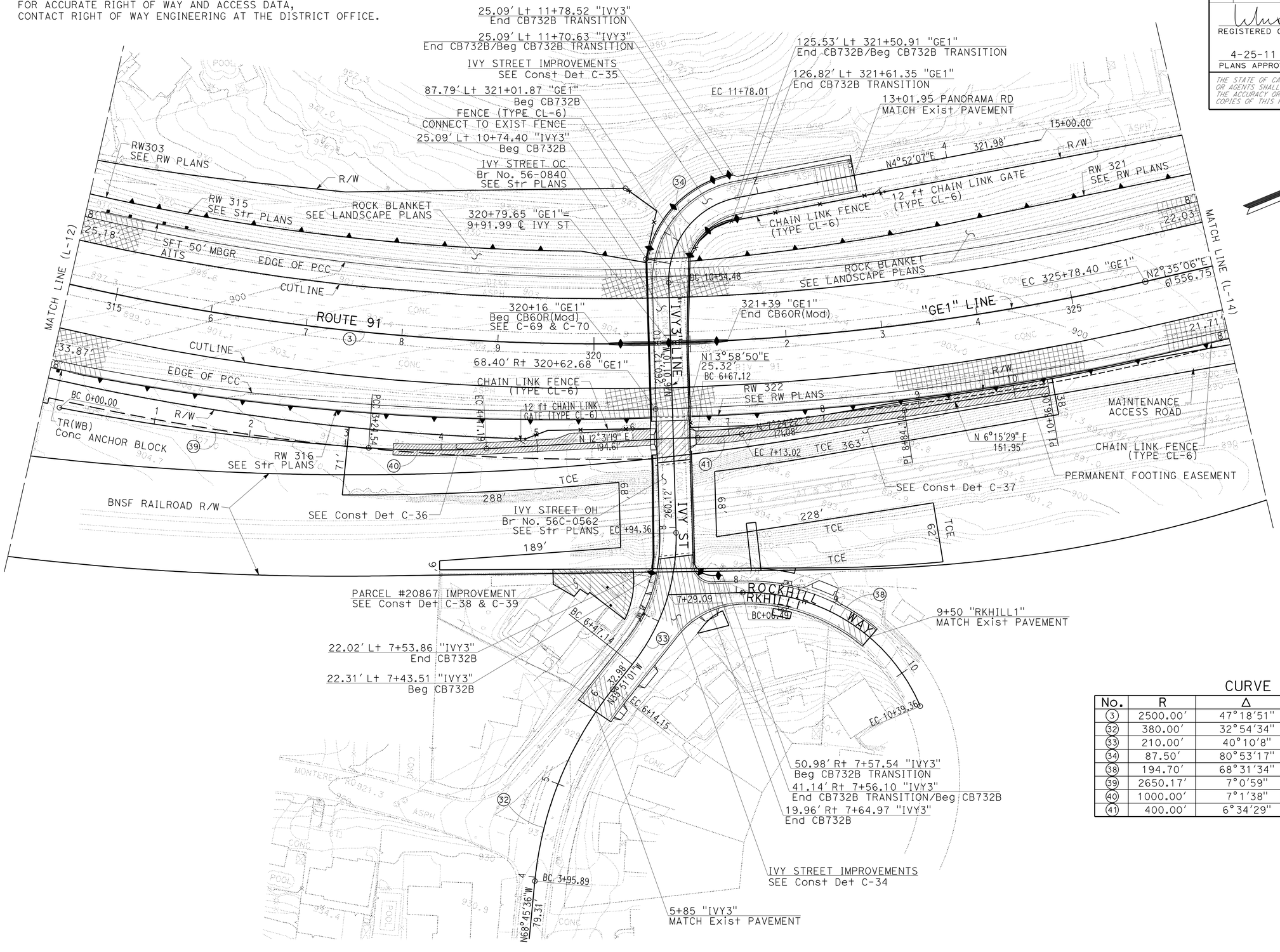
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*

**NOTE:**

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




## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 3 | 2500.00' | 47°18'51" | 1095.19' | 2064.47' |
| 32 | 380.00' | 32°54'34" | 112.23' | 218.26' |
| 33 | 210.00' | 40°10'8" | 76.78' | 147.23' |
| 34 | 87.50' | 80°53'17" | 74.58' | 123.53' |
| 38 | 194.70' | 68°31'34" | 132.63' | 232.86' |
| 39 | 2650.17' | 7°0'59" | 162.47' | 324.54' |
| 40 | 1000.00' | 7°1'38" | 61.40' | 122.65' |
| 41 | 400.00' | 6°34'29" | 22.97' | 45.90' |

# LAYOUT

SCALE: 1" = 50'

**L-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY / DATE REVISED

LAST REVISION 12-01-10

DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:15

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 35 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

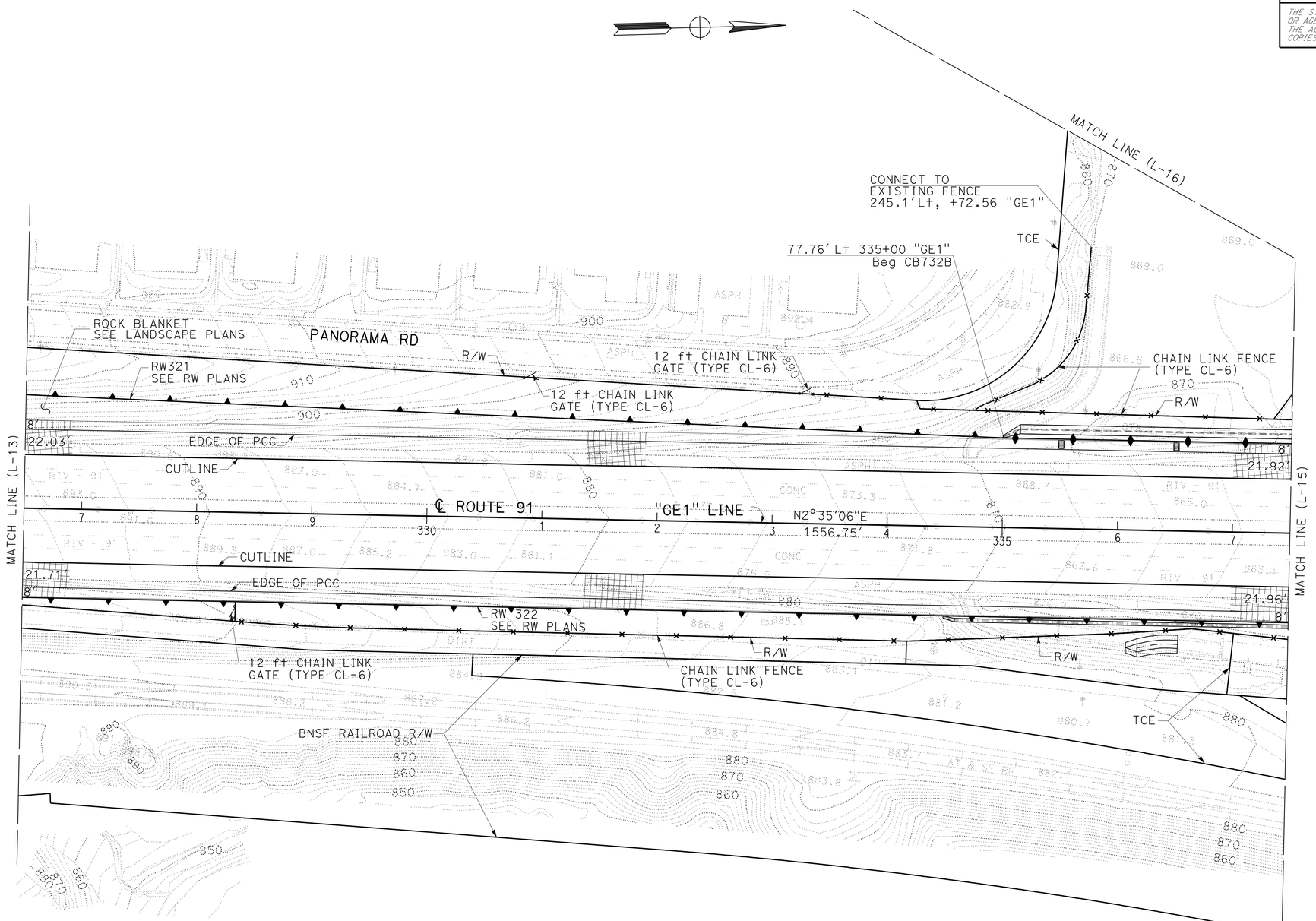
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*

**NOTE:**

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




**LAYOUT**
SCALE: 1" = 50'

**L-14**

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

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:15

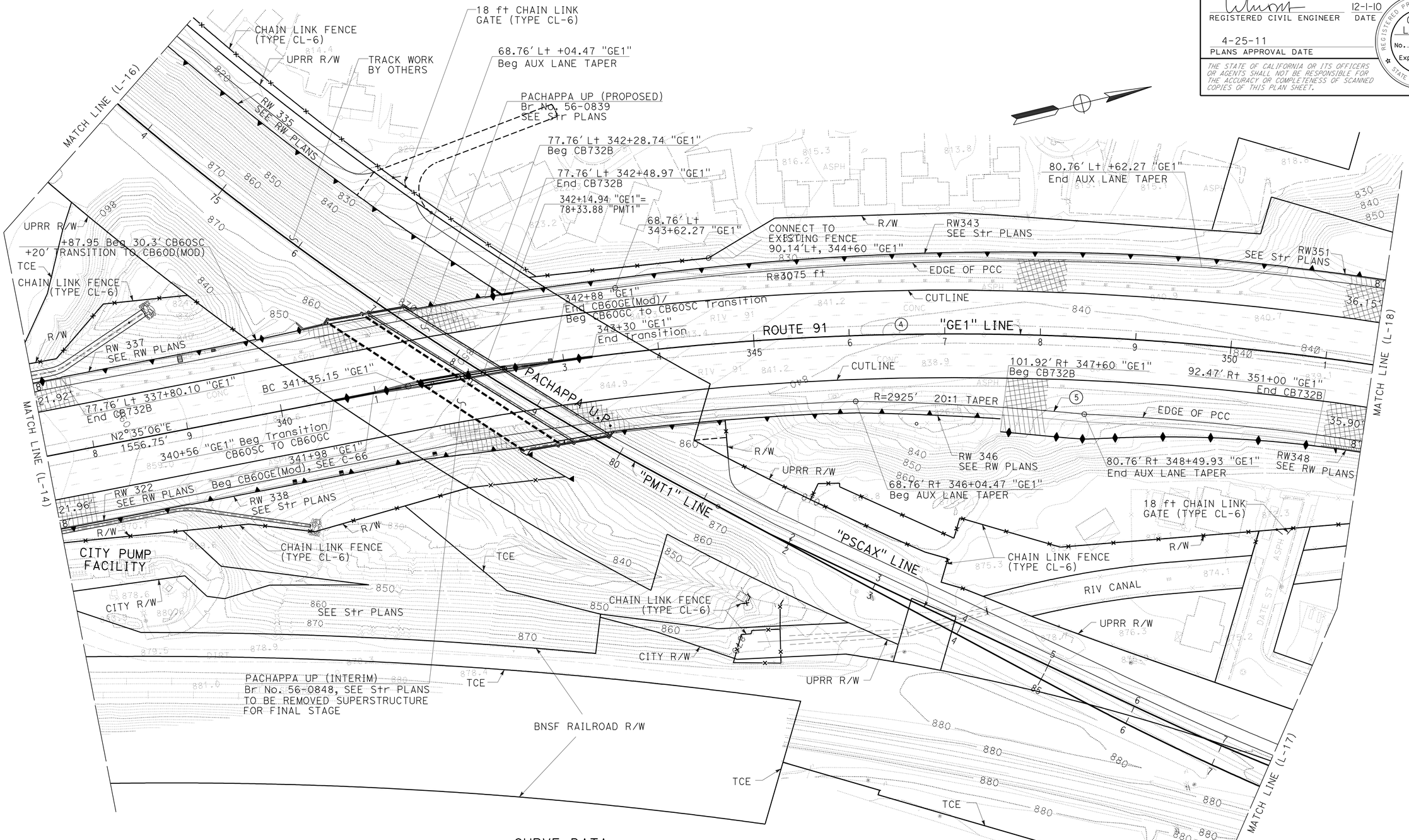
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 36 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*




## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 4 | 3000.00' | 26°22'56" | 703.15' | 1381.36' |
| 5 | 2925.24' | 04°41'38" | 119.89' | 239.64' |

**NOTE:**

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

# LAYOUT

SCALE: 1" = 50'

**L-15**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:15

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 37 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

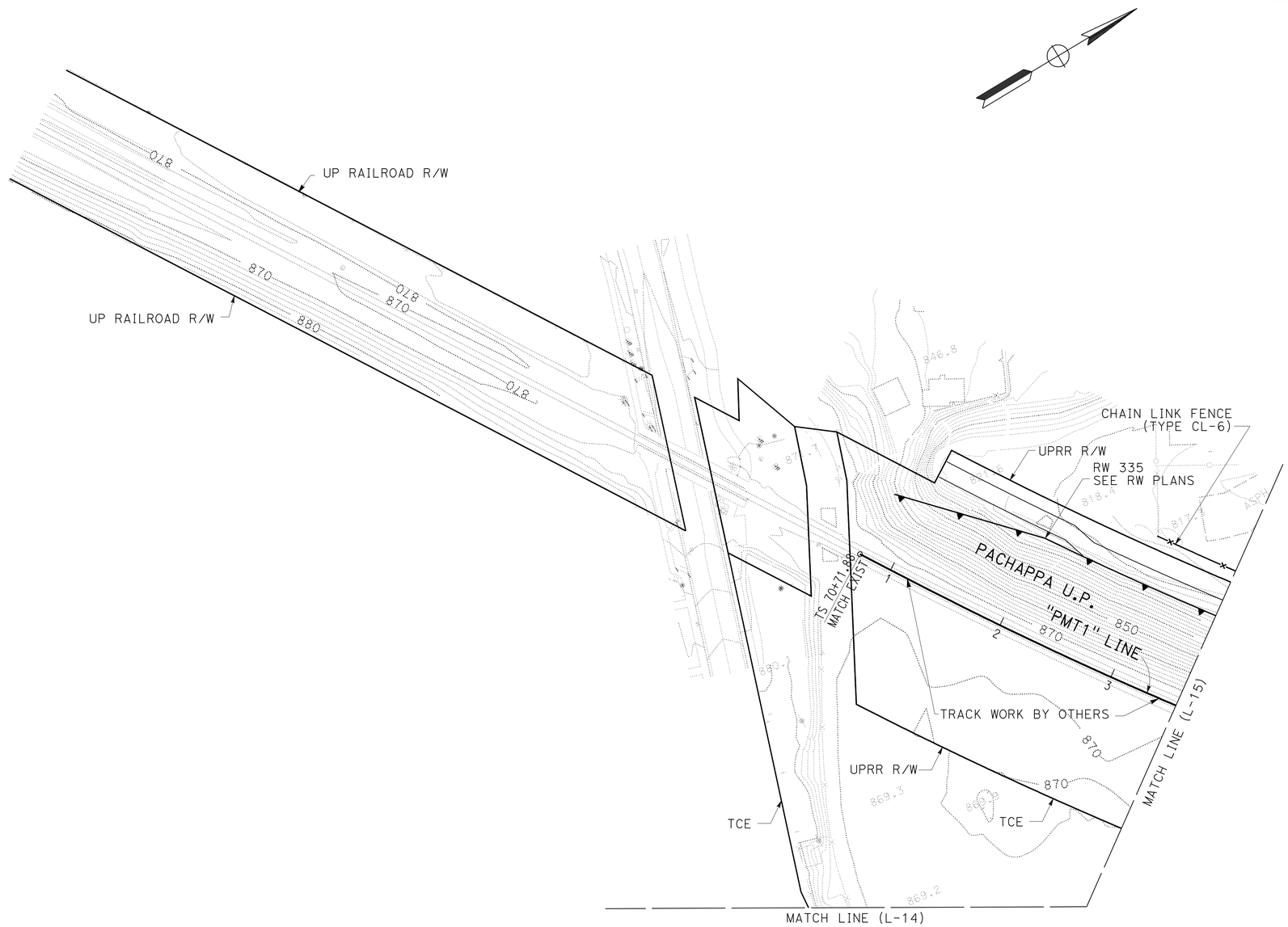
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6-30-12 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.*

**NOTE:**

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




# LAYOUT

SCALE: 1" = 50'

**L-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:16

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 38 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

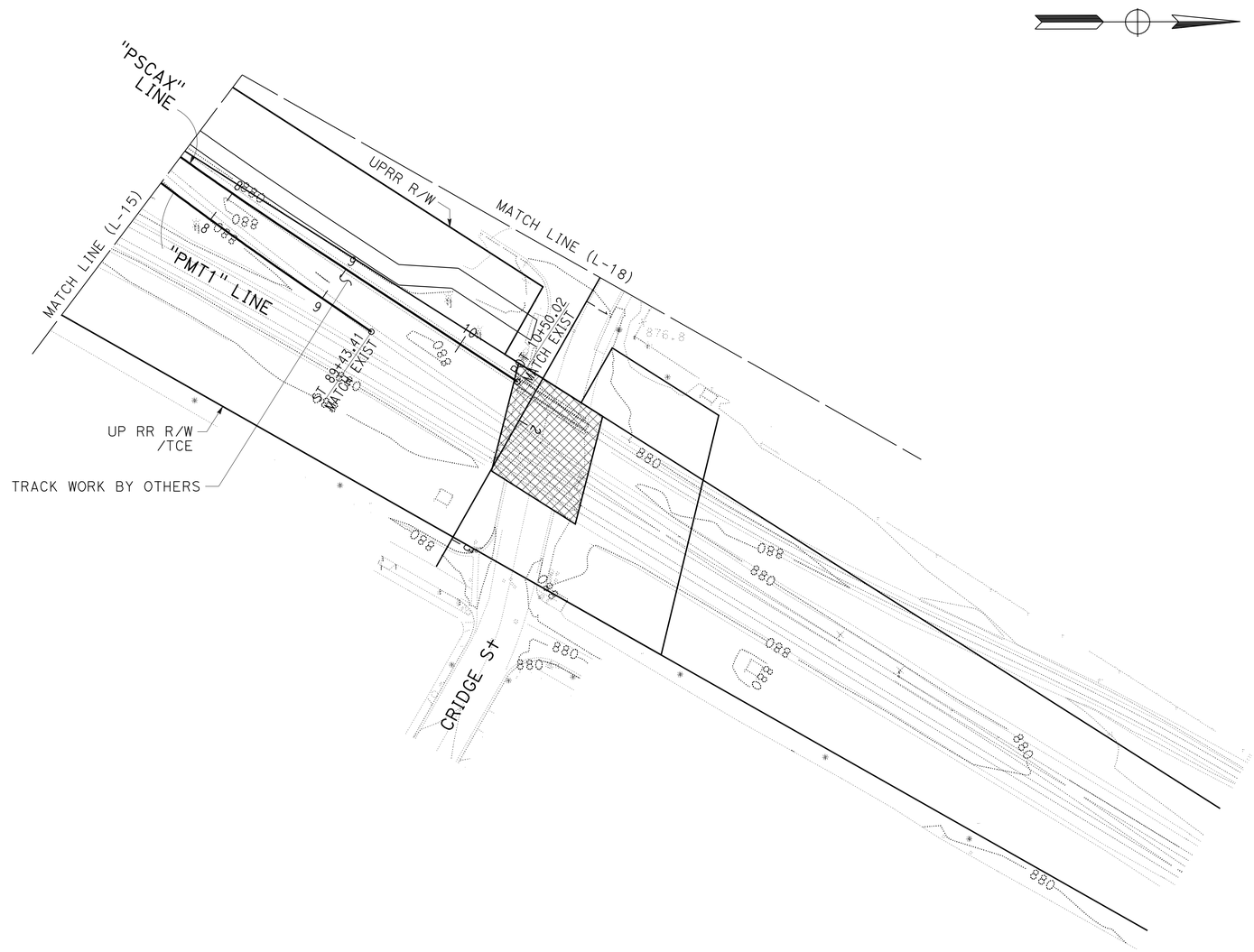
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CUONG LE TRAN
No. C60436
Exp. 6-30-12
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.*

**NOTE:**

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




**LAYOUT**
SCALE: 1" = 50'
**L-17**

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | CHECKED BY |
|---|---|
| ANNABELL WANG | CUONG LE TRAN |

FUNCTIONAL SUPERVISOR
MARK PERTILE

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

LAST REVISION 12-01-10 | DATE PLOTTED => 08-SEP-2011 | TIME PLOTTED => 08:36

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 39 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

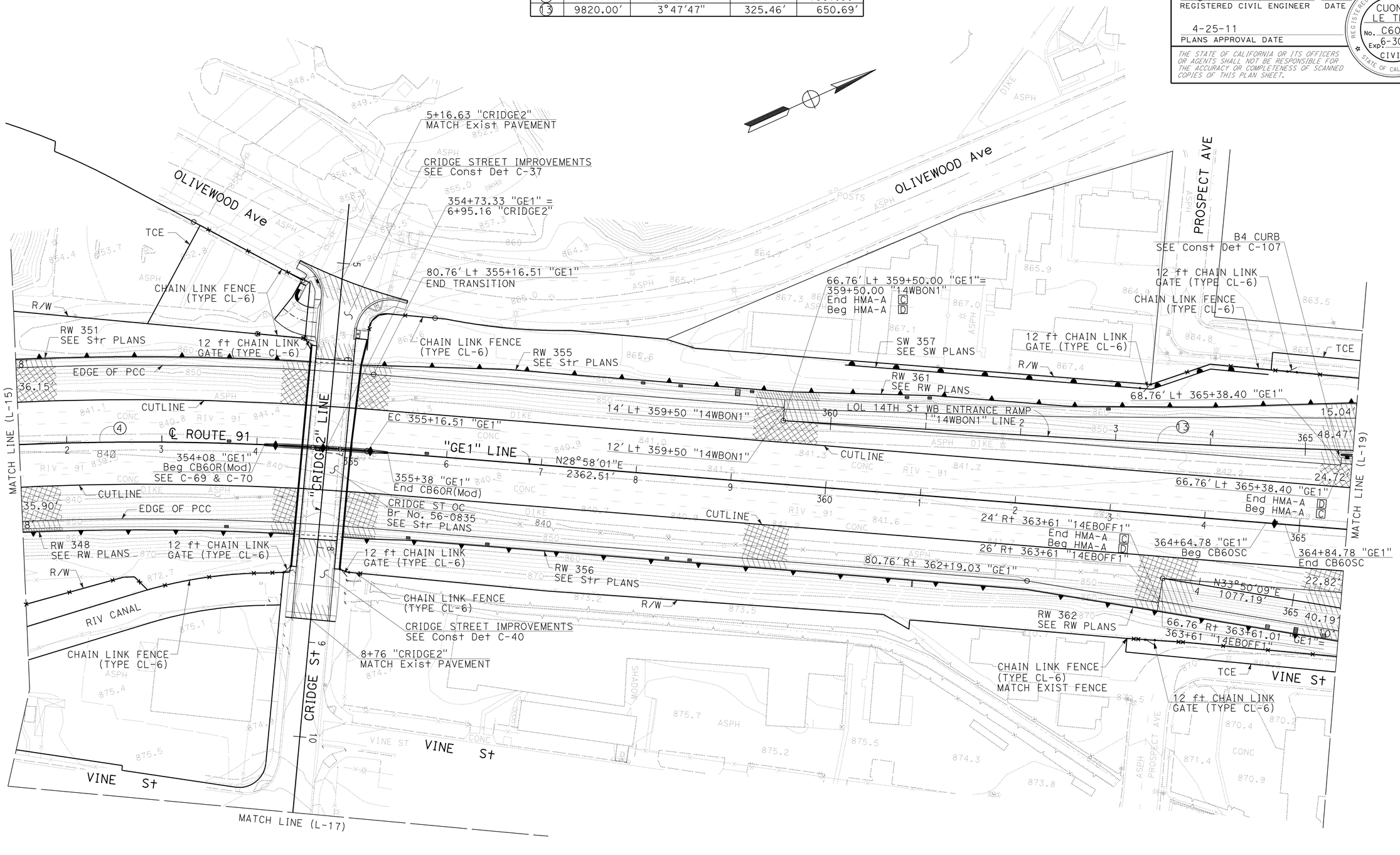
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 4 | 3000.00′ | 26°22′56" | 703.15′ | 1381.36′ |
| 13 | 9820.00′ | 3°47′47" | 325.46′ | 650.69′ |




# LAYOUT

SCALE: 1" = 50′

**L-18**

| REVISED BY | DATE REVISED |
|---|---|
| ANNABELL WANG | CUONG LE TRAN |

CALCULATED-DESIGNED BY / CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:16

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 40 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

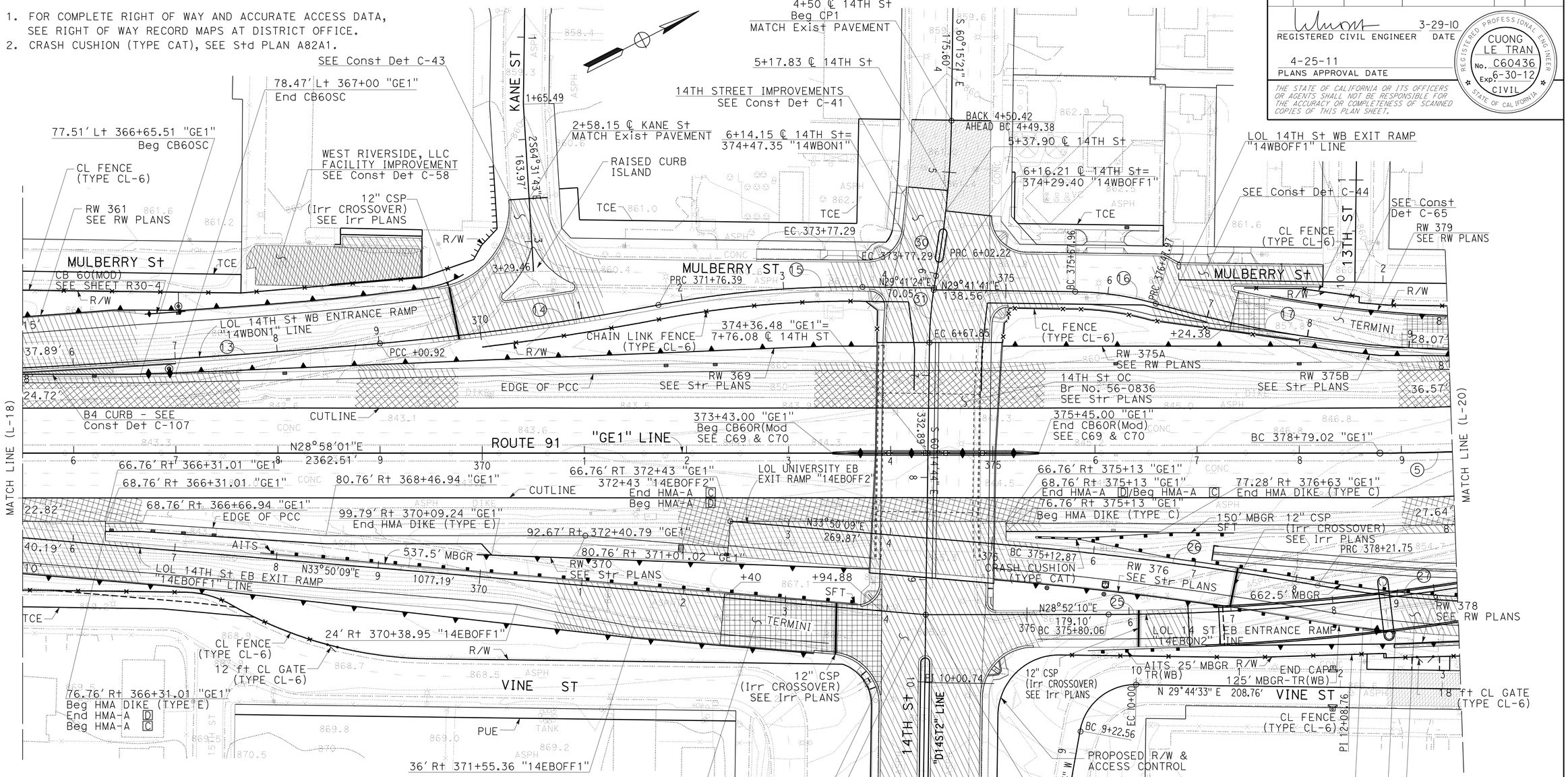
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. CRASH CUSHION (TYPE CAT), SEE Std PLAN A82A1.




## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 5 | 2000.00' | 15°54'8" | 279.35' | 555.10' |
| 13 | 9820.00' | 3°47'47" | 325.46' | 650.69' |
| 14 | 2700.00' | 5°50'44" | 137.85' | 275.47' |
| 15 | 1000.00' | 11°30'39" | 100.79' | 200.90' |
| 16 | 300.00' | 15°16'51" | 40.24' | 80.01' |
| 17 | 1180.00' | 34°58'25" | 371.75' | 720.28' |
| 25 | 2300.00' | 18°50'58" | 381.78' | 756.66' |
| 26 | 3500.00' | 5°3'23" | 154.54' | 308.88' |
| 27 | 1100.00' | 29°59'16" | 294.62' | 575.73' |
| 30 | 900.00' | 9°43'48" | 76.60' | 152.84' |
| 31 | 386.90' | 9°43'11" | 32.90' | 65.63' |
| 32 | 60.00' | 70°42'15" | 42.56' | 74.04' |

# LAYOUT

SCALE: 1" = 50'

**L-19**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY / DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 17:16

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 41 | 2028 |

REGISTERED CIVIL ENGINEER 3-29-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

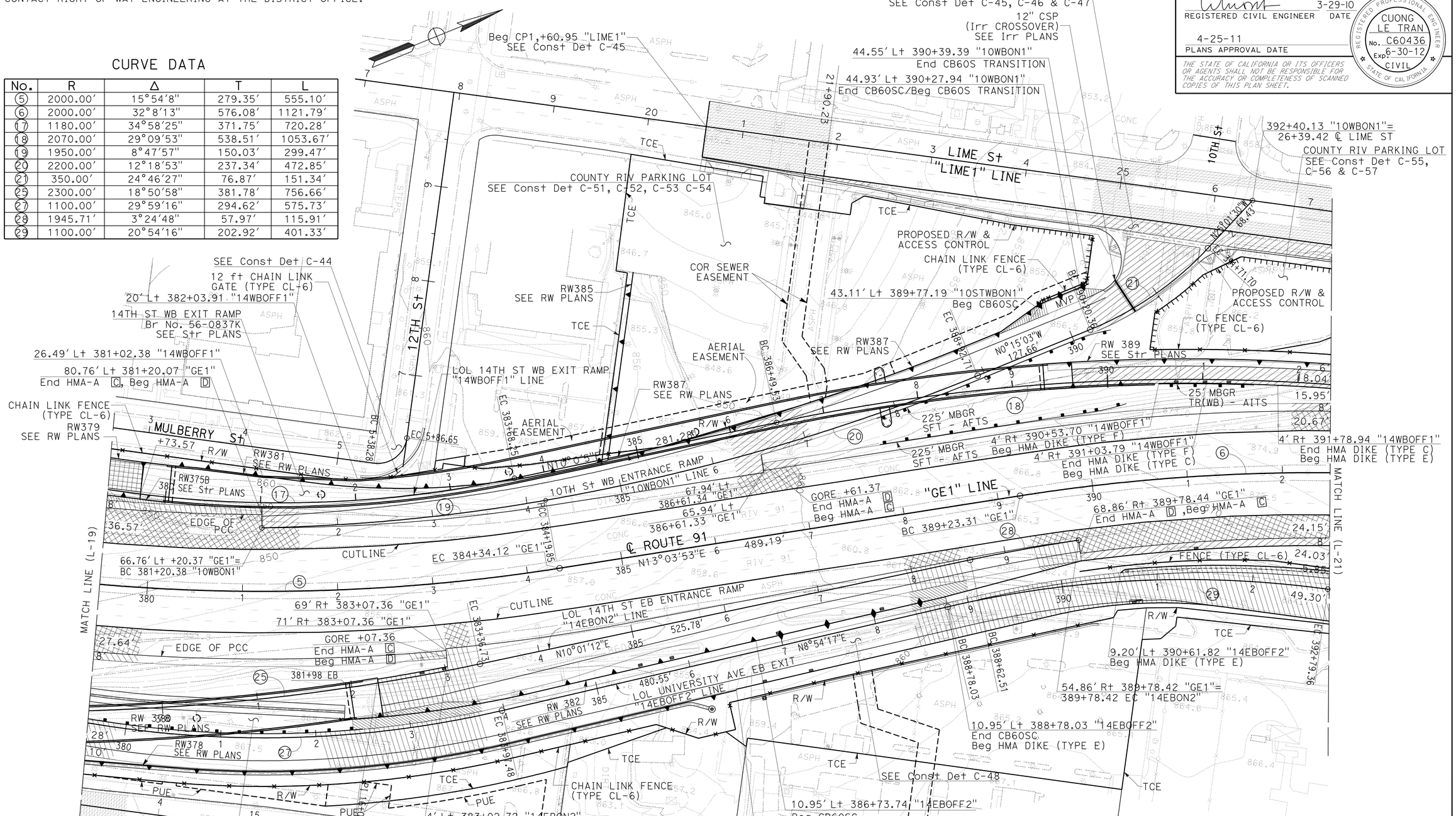
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**NOTE:**

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

## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 5 | 2000.00′ | 15°54′8" | 279.35′ | 555.10′ |
| 6 | 2000.00′ | 32°8′13" | 576.08′ | 1121.79′ |
| 17 | 1180.00′ | 34°58′25" | 371.75′ | 720.28′ |
| 18 | 2070.00′ | 29°09′53" | 538.51′ | 1053.67′ |
| 19 | 1950.00′ | 8°47′57" | 150.03′ | 299.47′ |
| 20 | 2200.00′ | 12°18′53" | 237.34′ | 472.85′ |
| 21 | 350.00′ | 24°46′27" | 76.87′ | 151.34′ |
| 25 | 2300.00′ | 18°50′58" | 381.78′ | 756.66′ |
| 27 | 1100.00′ | 29°59′16" | 294.62′ | 575.73′ |
| 28 | 1945.71′ | 3°24′48" | 57.97′ | 115.91′ |
| 29 | 1100.00′ | 20°54′16" | 202.92′ | 401.33′ |




**LAYOUT**

SCALE: 1" = 50′

**L-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY

DATE REVISED

LAST REVISION 03-29-11

DATE PLOTTED => 29-APR-2011

TIME PLOTTED => 17:16

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trrichf

DGN FILE => 844840ea020.dgn

CU 08227

EA 448401

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 42 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

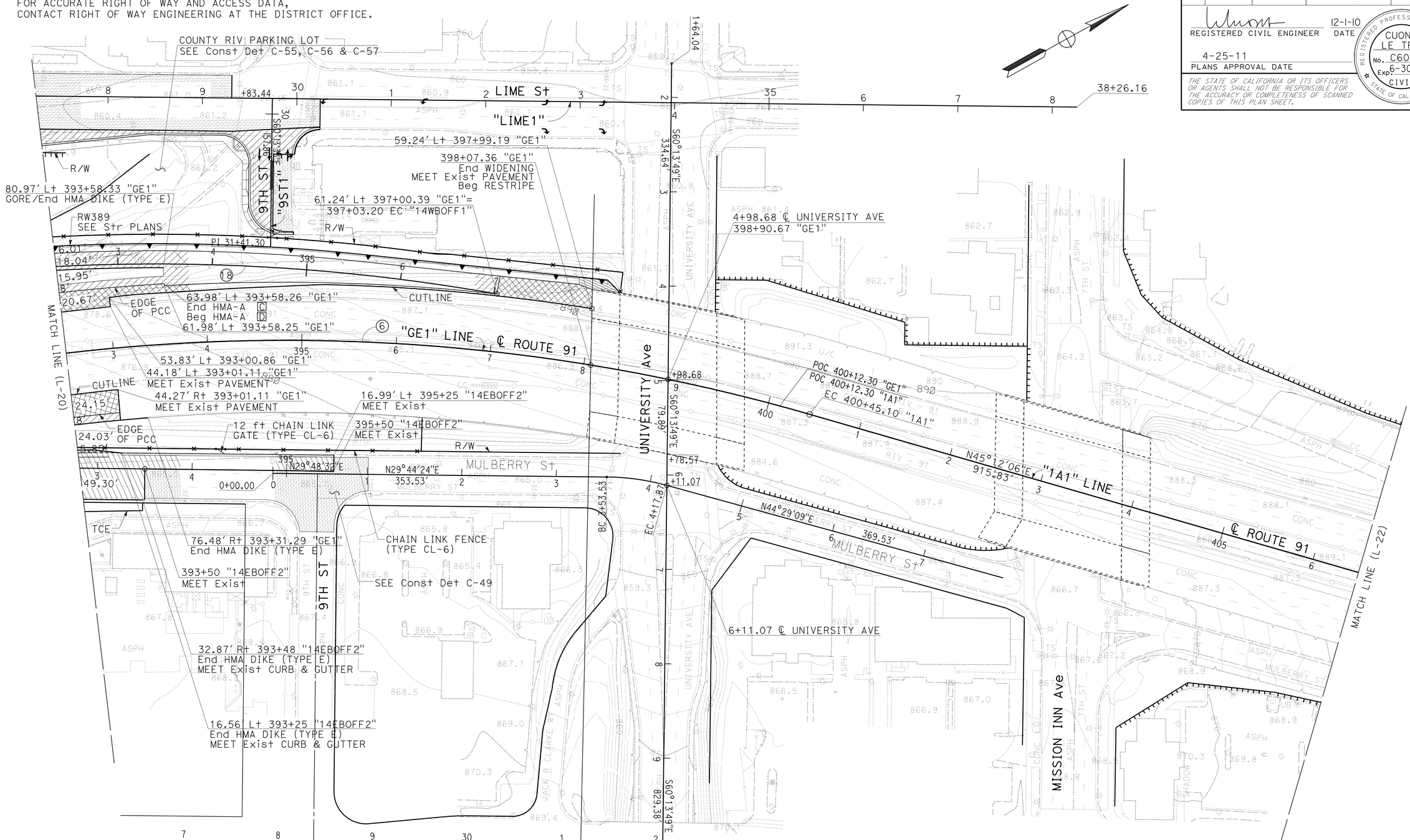
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*

**NOTE:**

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




CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 6 | 2000.00' | 32°8'13" | 576.08' | 1121.79' |
| 18 | 2070.00' | 29°9'53" | 538.51' | 1053.67' |
| | | | | |

**LAYOUT**
SCALE: 1" = 50'
**L-21**

REVISED BY | DATE REVISED
ANNABELL WANG | CUONG LE TRAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 17:16

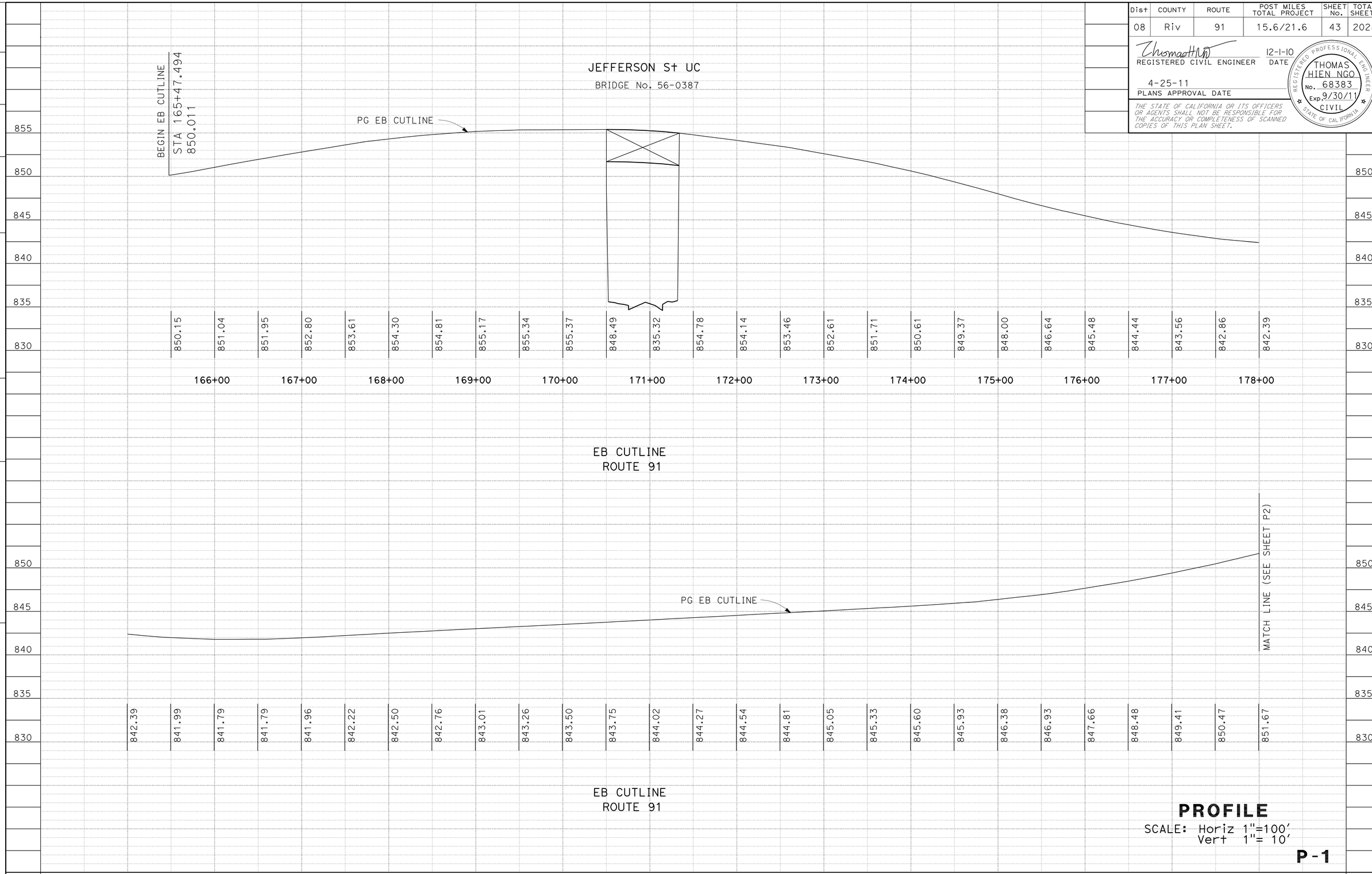
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 43 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*




**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 29-APR-2011
12-01-10 TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => 844840fa001.dgn
CU 08227
EA 448401

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 44 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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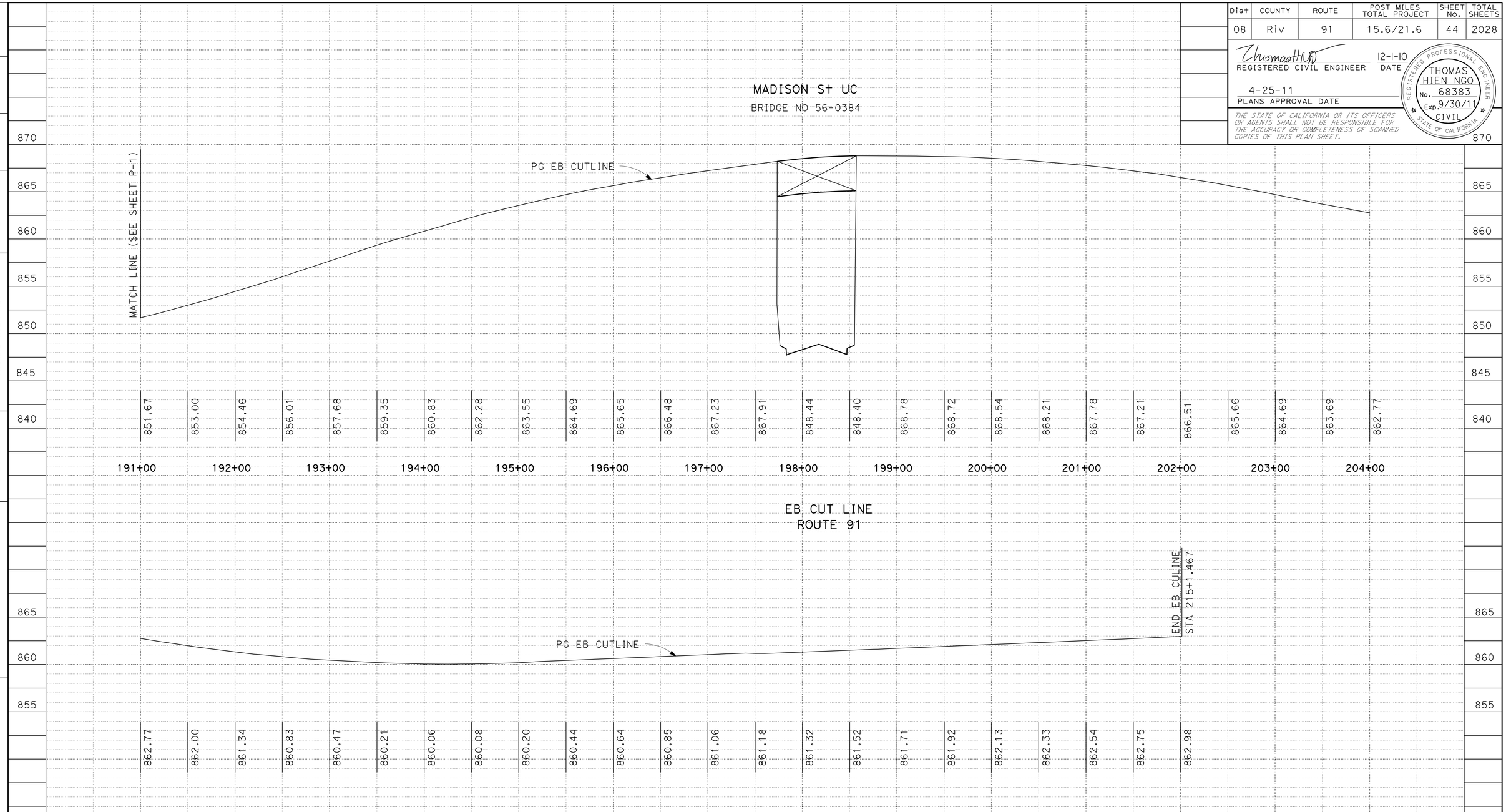



**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-2**

| STATION | 204+00 | 205+00 | 206+00 | 207+00 | 208+00 | 209+00 | 210+00 | 211+00 | 212+00 | 213+00 | 214+00 | 215+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 2921 | | | | | | | | | | | | |
| CY Emb | 485 | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY / DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:30

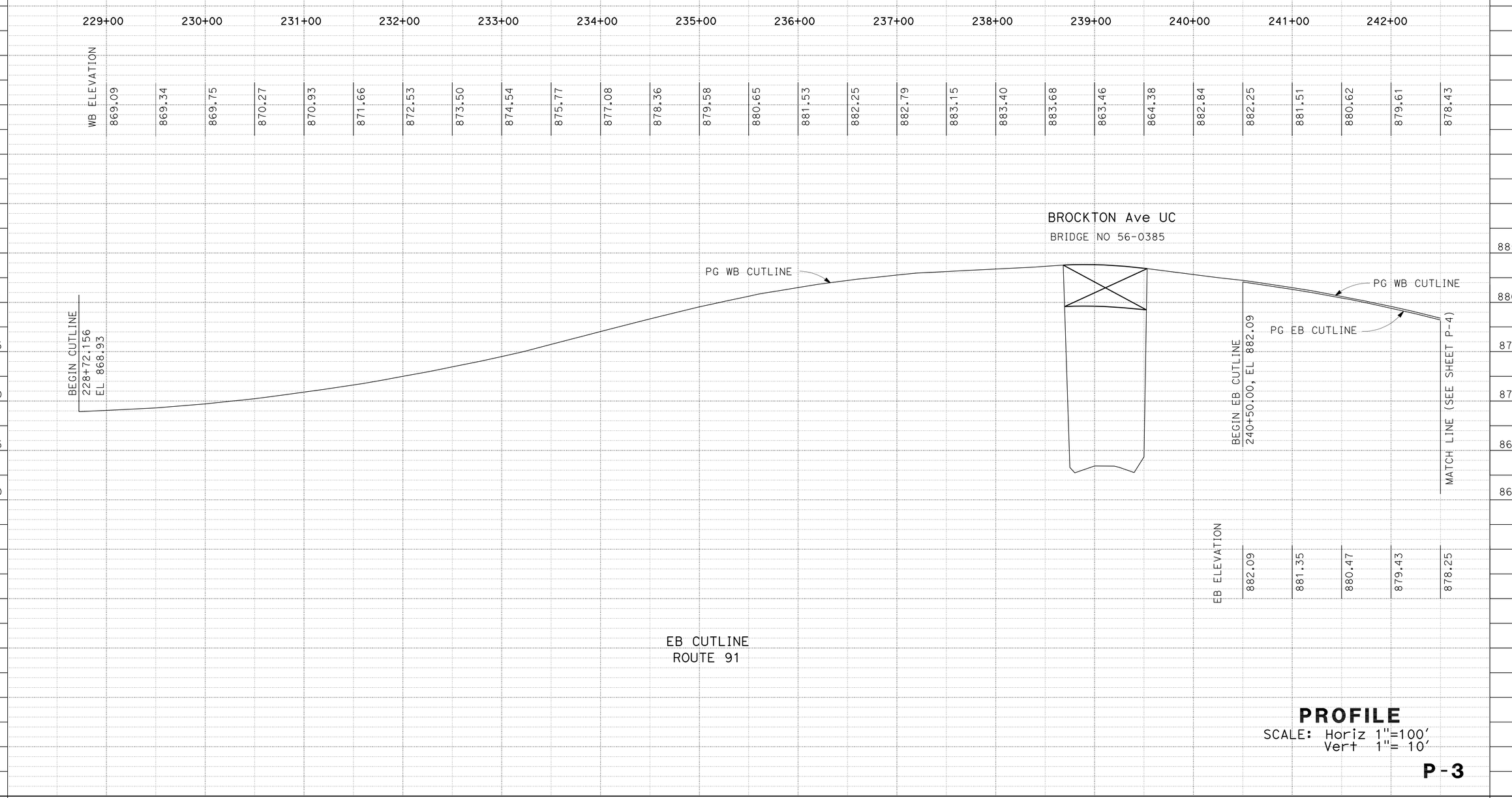
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 45 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*




**PROFILE**
SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-3**

| STATION | | 229+00 | 230+00 | 231+00 | 232+00 | 233+00 | 234+00 | 235+00 | 236+00 | 237+00 | 238+00 | 239+00 | 240+00 | 241+00 | 242+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1423.7 | | | | | | | | | | | | | | |
| | Emb | 8988.9 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

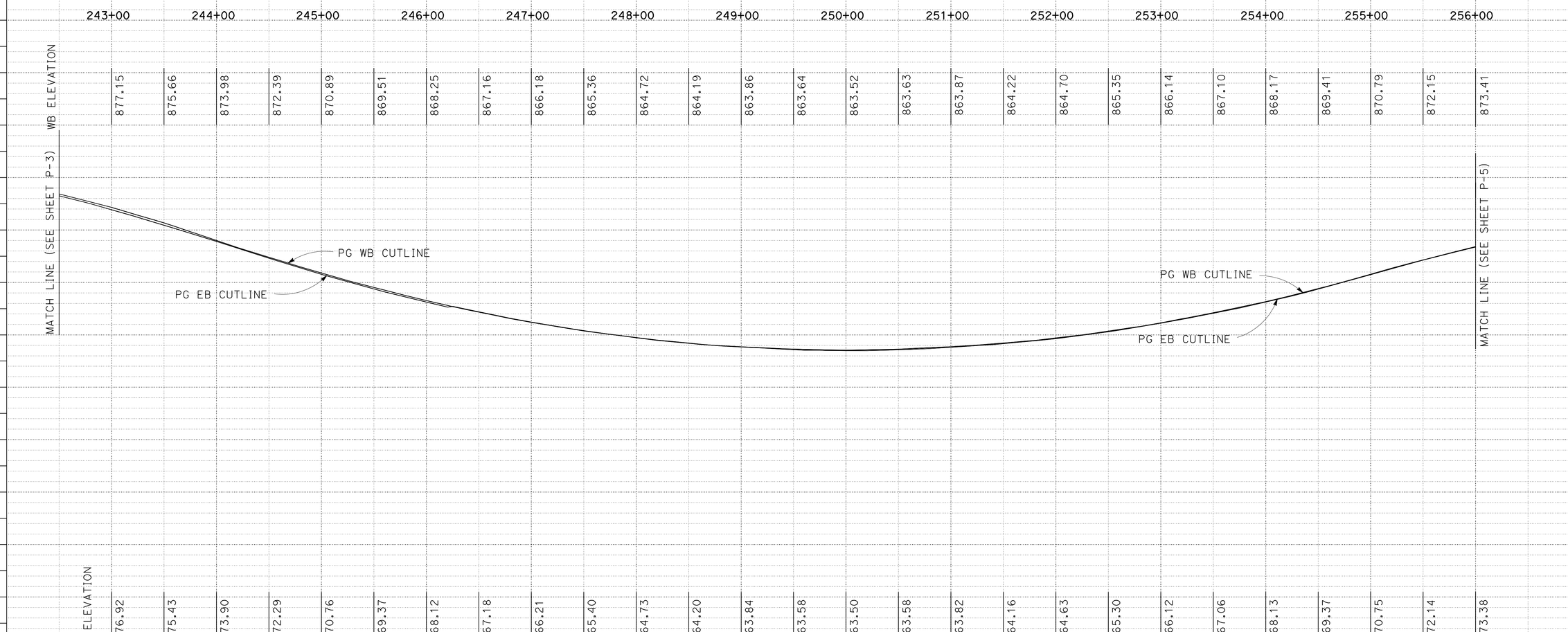
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 46 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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.*




EB & WB CUTLINE
ROUTE 91

**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-4**

| STATION | 243+00 | 244+00 | 245+00 | 246+00 | 247+00 | 248+00 | 249+00 | 250+00 | 251+00 | 252+00 | 253+00 | 254+00 | 255+00 | 256+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | 4228 | | | | | | | | |
| CY Emb | | | | | | | 4528.9 | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 47 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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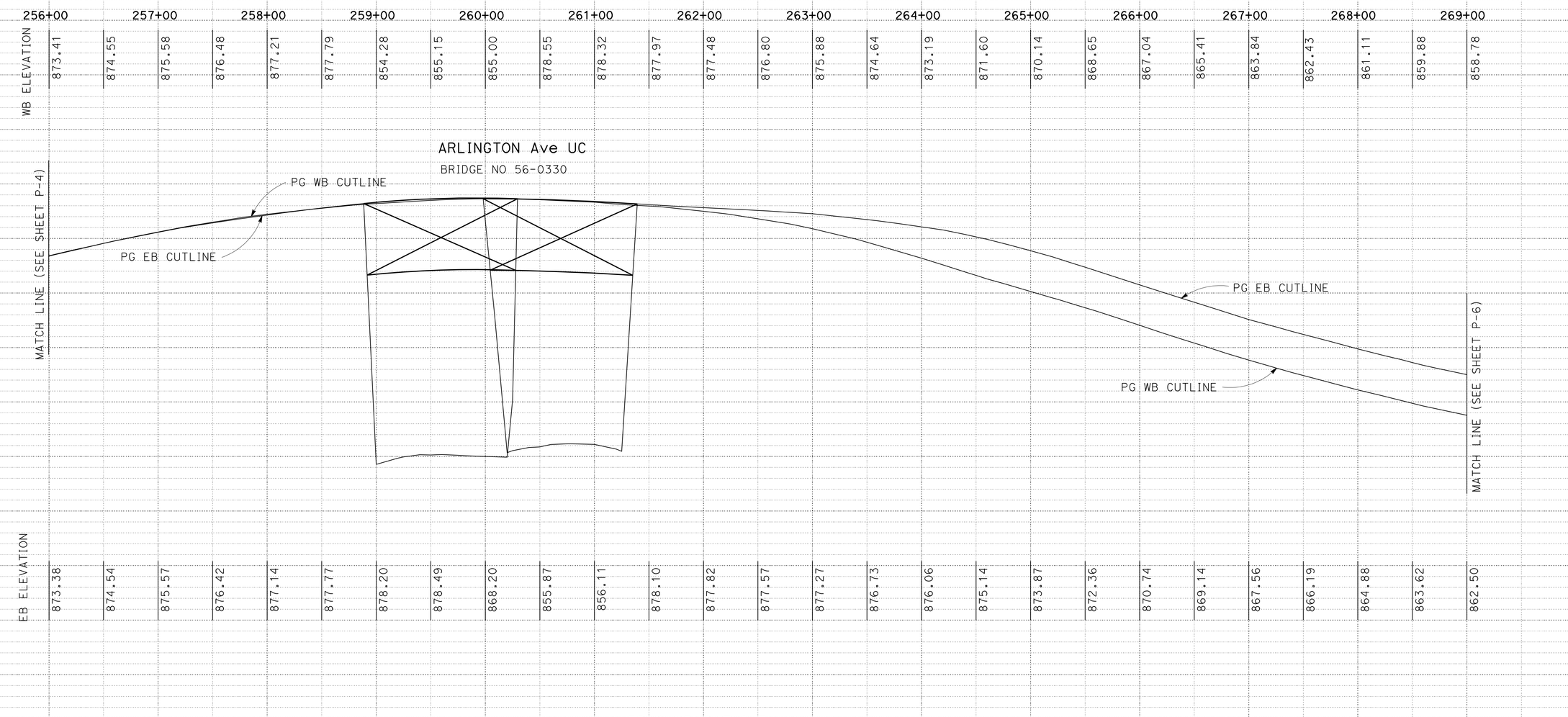


EB & WB CUTLINE
ROUTE 91

## PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

P-5

| STATION | 256+00 | 257+00 | 258+00 | 259+00 | 260+00 | 261+00 | 262+00 | 263+00 | 264+00 | 265+00 | 266+00 | 267+00 | 268+00 | 269+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 2496.9 | | | | | | | | | | | | | | |
| CY Emb | 10762.2 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 48 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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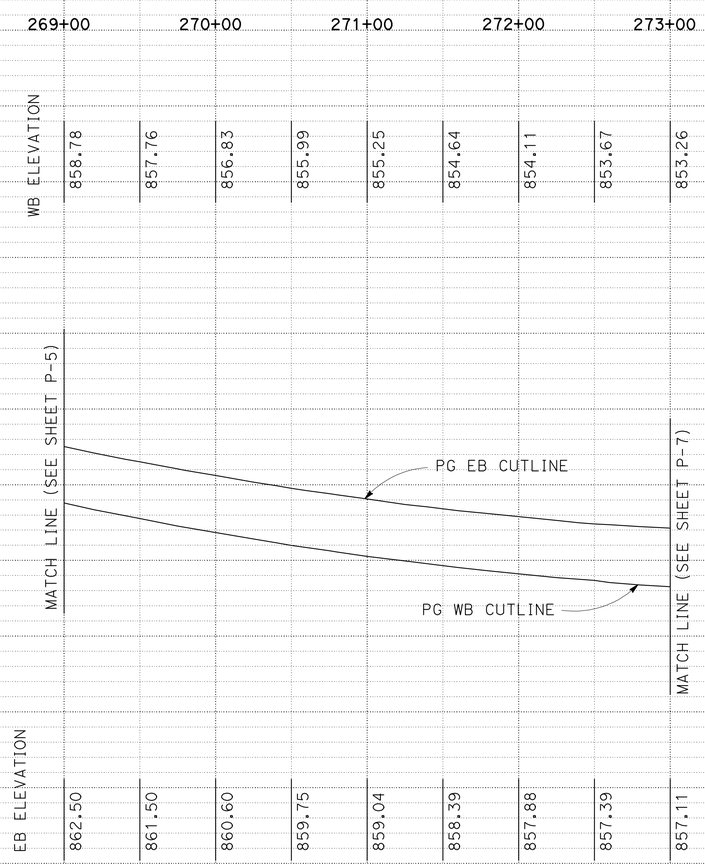


EB & WB CUTLINE
ROUTE 91

# PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-6**

| STATION | | 269+00 | 270+00 | 271+00 | 272+00 | 273+00 | 274+00 | 275+00 | 276+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | 2077.9 | | | | | | |
| | Emb | | | 404.9 | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 49 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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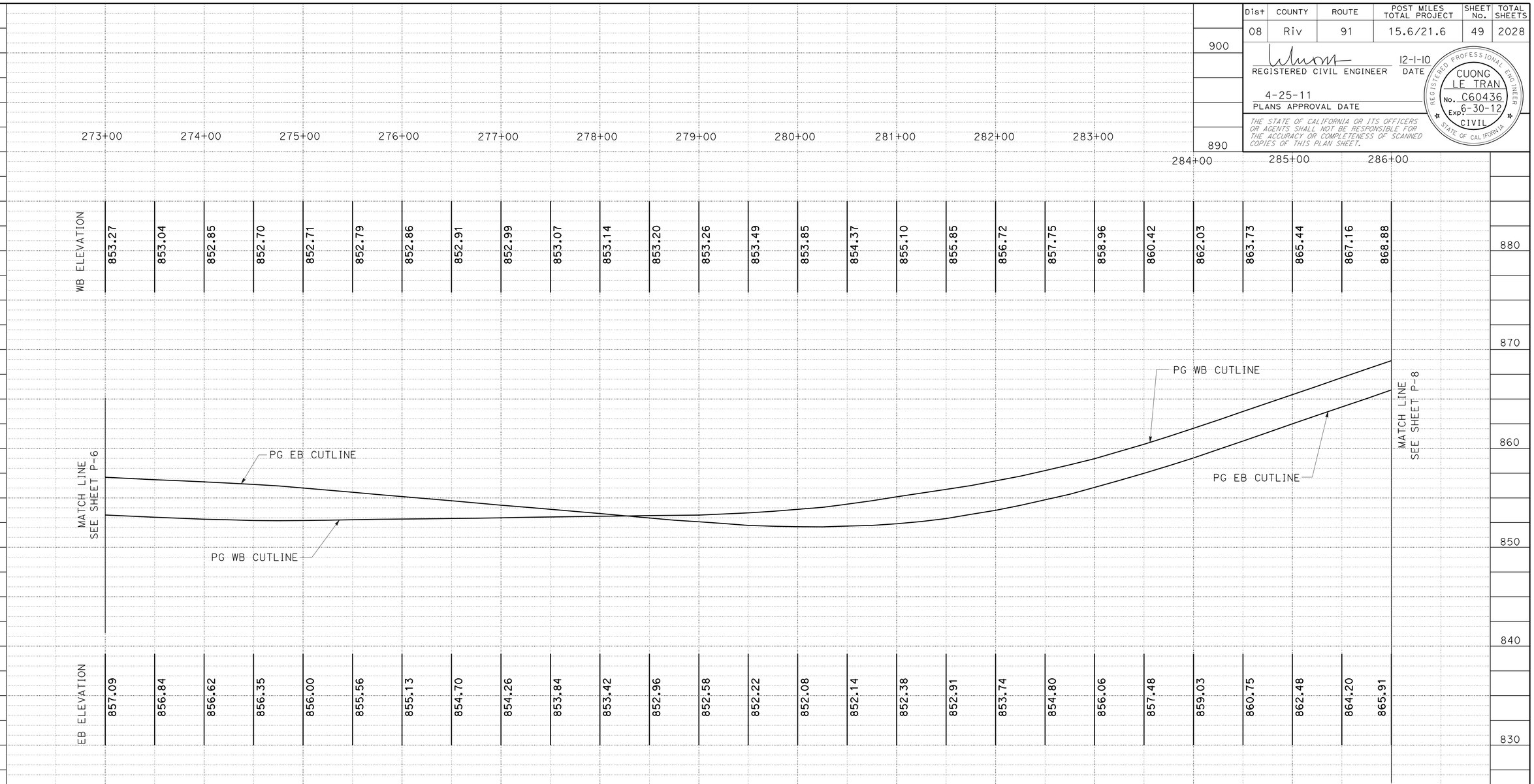


WESTBOUND/EASTBOUND CUTLINE
ROUTE 91

# PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-7**

| STATION | 273+00 | 274+00 | 275+00 | 276+00 | 277+00 | 278+00 | 279+00 | 280+00 | 281+00 | 282+00 | 283+00 | 284+00 | 285+00 | 286+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | 7258 | | | | | | | |
| CY Emb | | | | | | | | 1333 | | | | | | | |

REVISED BY | DATE REVISED
ANNABELL WANG | CUONG LE TRAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 50 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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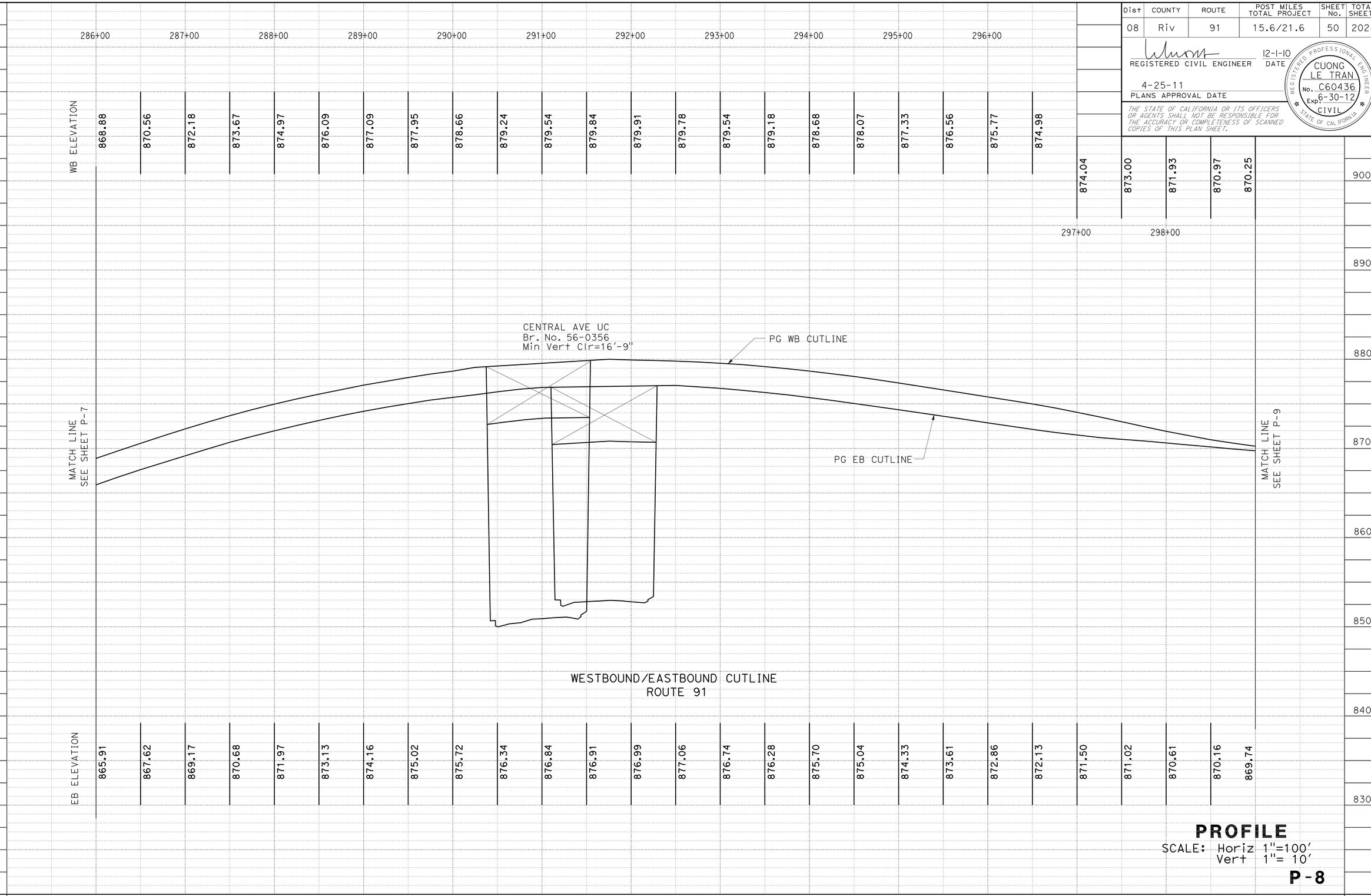


**PROFILE**
SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-8**

| STATION | | 286+00 | 287+00 | 288+00 | 289+00 | 290+00 | 291+00 | 292+00 | 293+00 | 294+00 | 295+00 | 296+00 | 297+00 | 298+00 | 299+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1062 | | | | | | 1881 | | | | | | | | |
| | Emb | 4072 | | | | | | 2339 | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY / DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 51 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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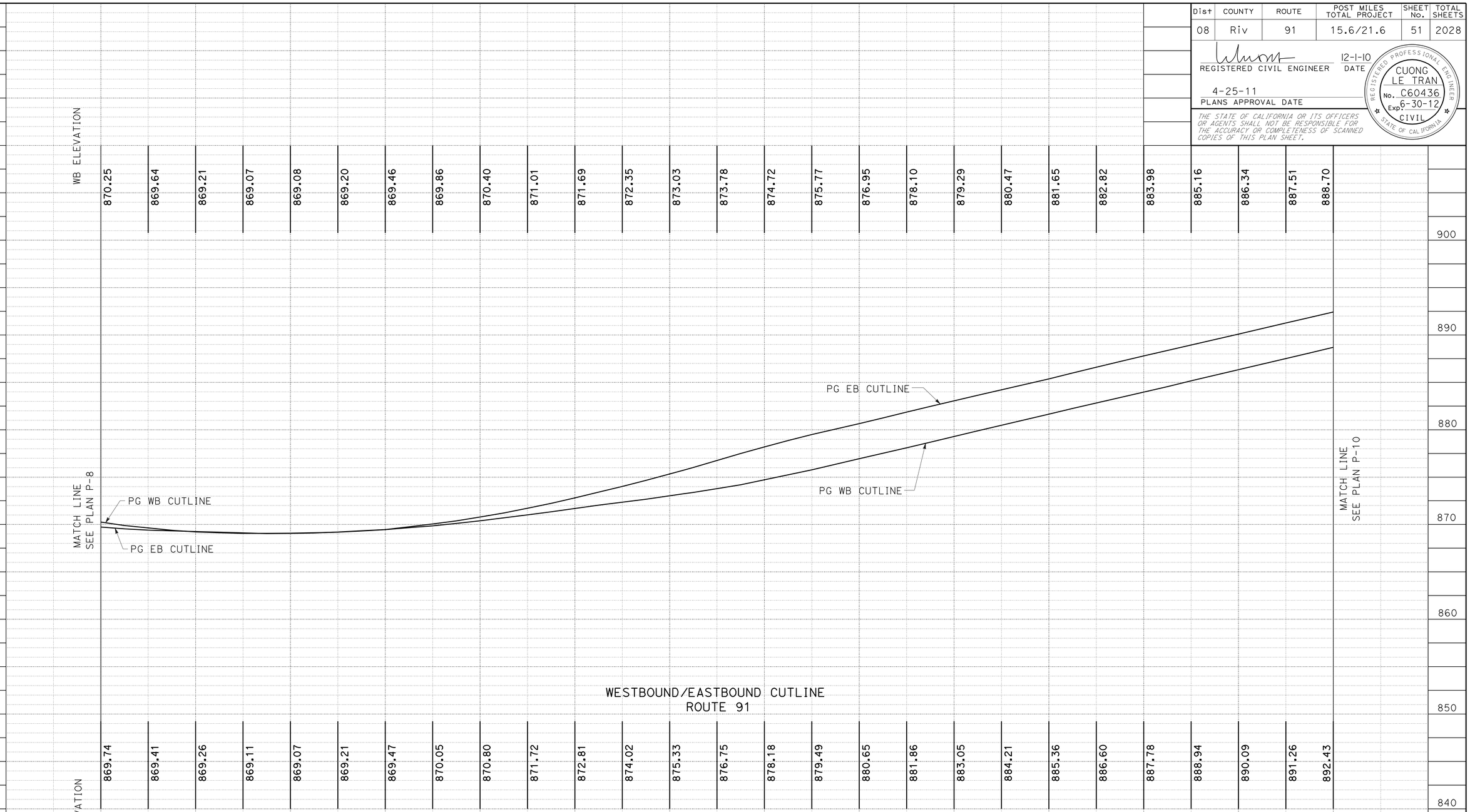


**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-9**

| STATION | | 299+00 | 300+00 | 301+00 | 302+00 | 303+00 | 304+00 | 305+00 | 306+00 | 307+00 | 308+00 | 309+00 | 310+00 | 311+00 | 312+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 3851 | | | | | | | 13188 | | | | | | | |
| | Emb | 7 | | | | | | | 103 | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 52 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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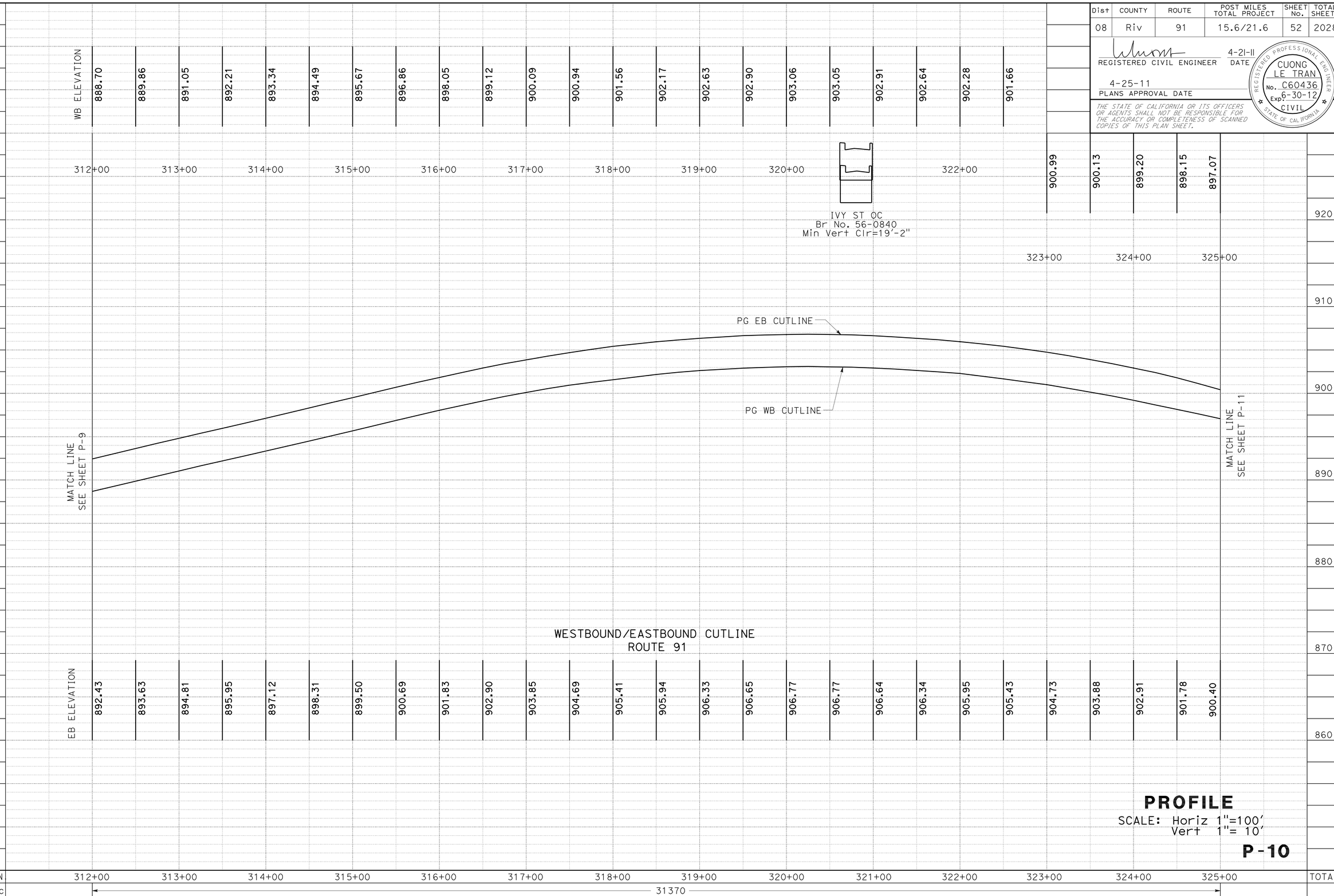


**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

**DESIGN**

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY

DATE REVISED

LAST REVISION 04-21-11

DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 53 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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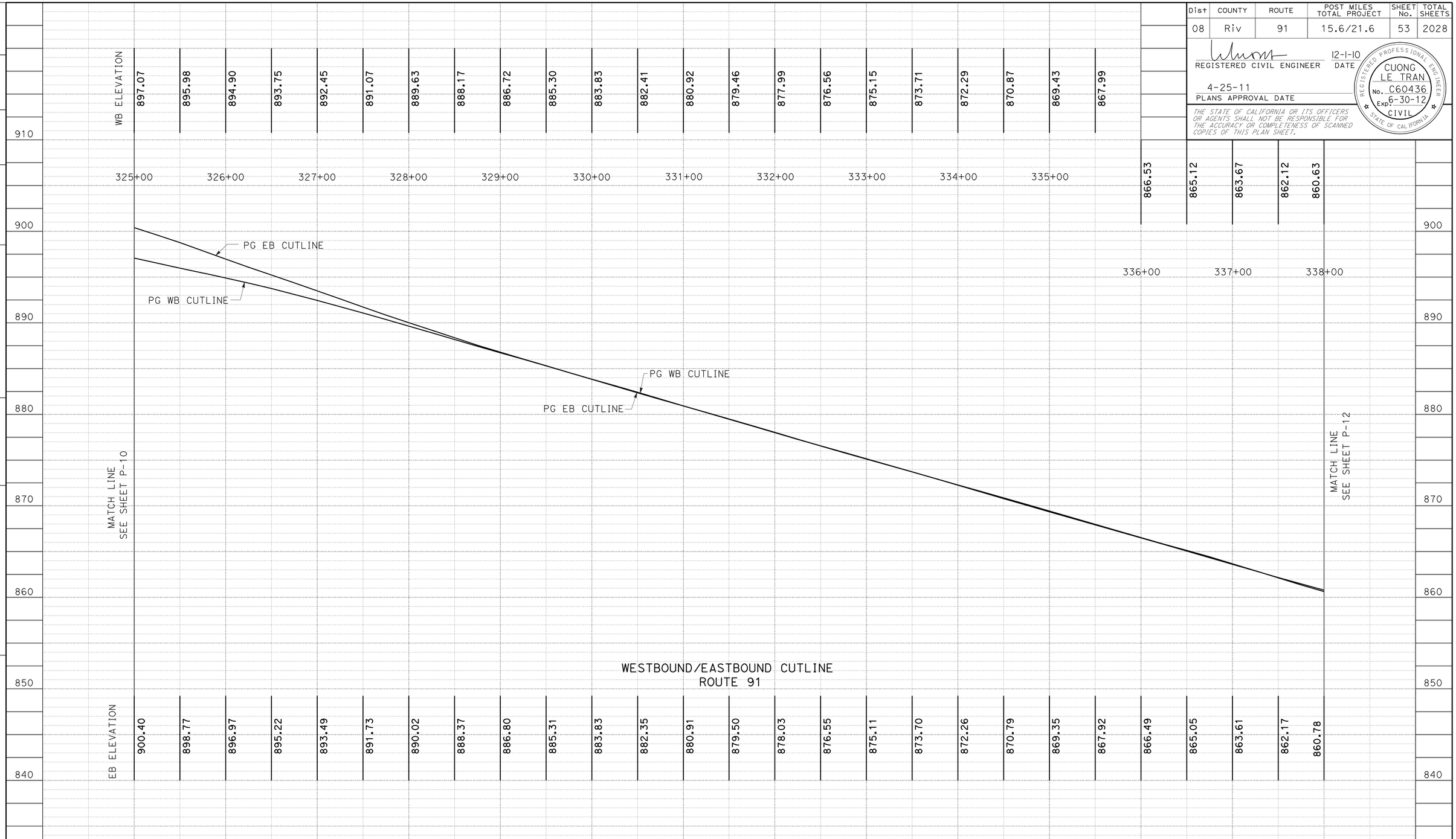


**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-11**

| STATION | 325+00 | 326+00 | 327+00 | 328+00 | 329+00 | 330+00 | 331+00 | 332+00 | 333+00 | 334+00 | 335+00 | 336+00 | 337+00 | 338+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 20643 | | | | | | | | | | | | | | |
| CY Emb | 60 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 54 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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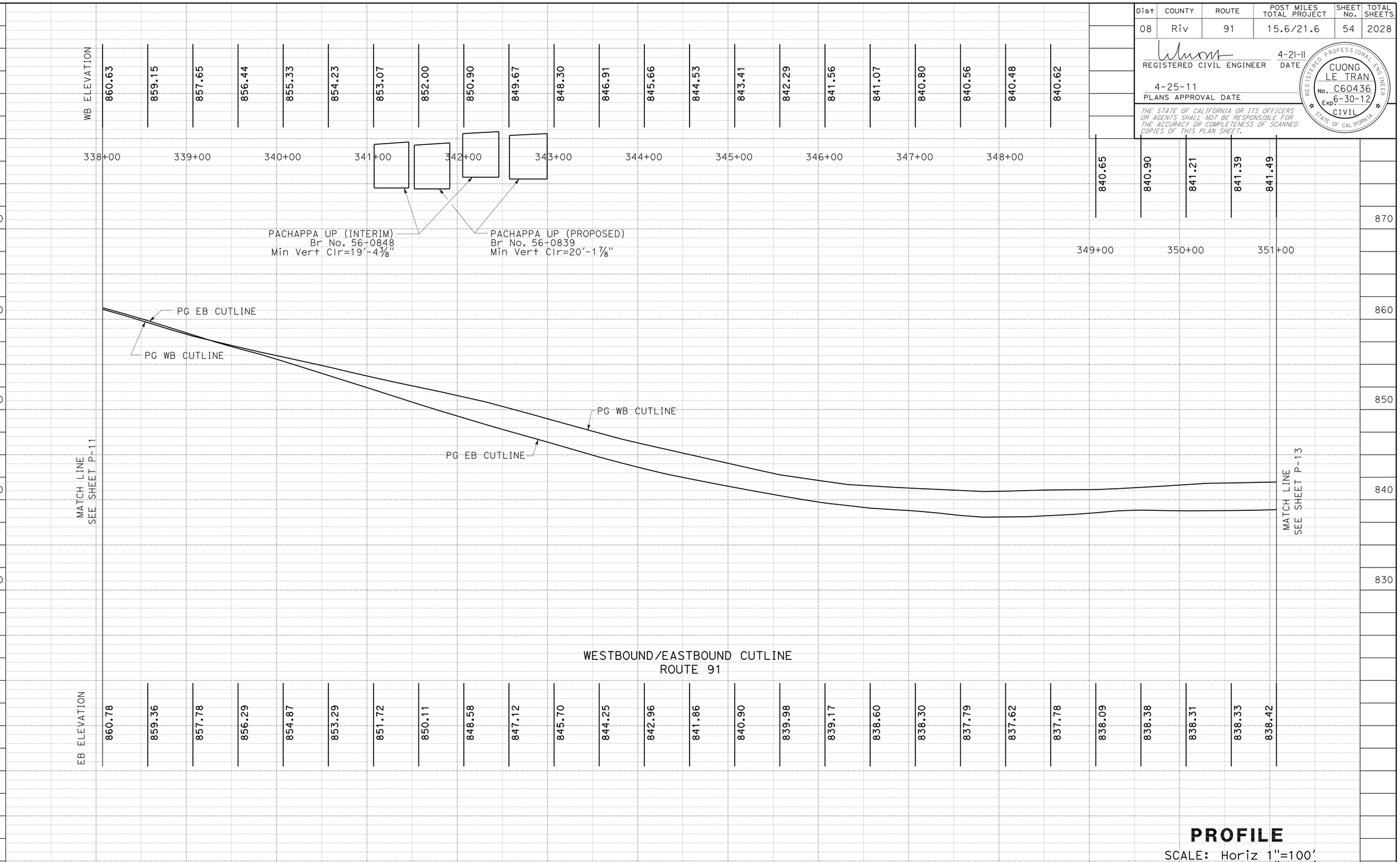


**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-12**

| STATION | 338+00 | 339+00 | 340+00 | 341+00 | 342+00 | 343+00 | 344+00 | 345+00 | 346+00 | 347+00 | 348+00 | 349+00 | 350+00 | 351+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 26511 | | | | | | | | | | | | | | |
| CY Emb | 5908 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:30

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 55 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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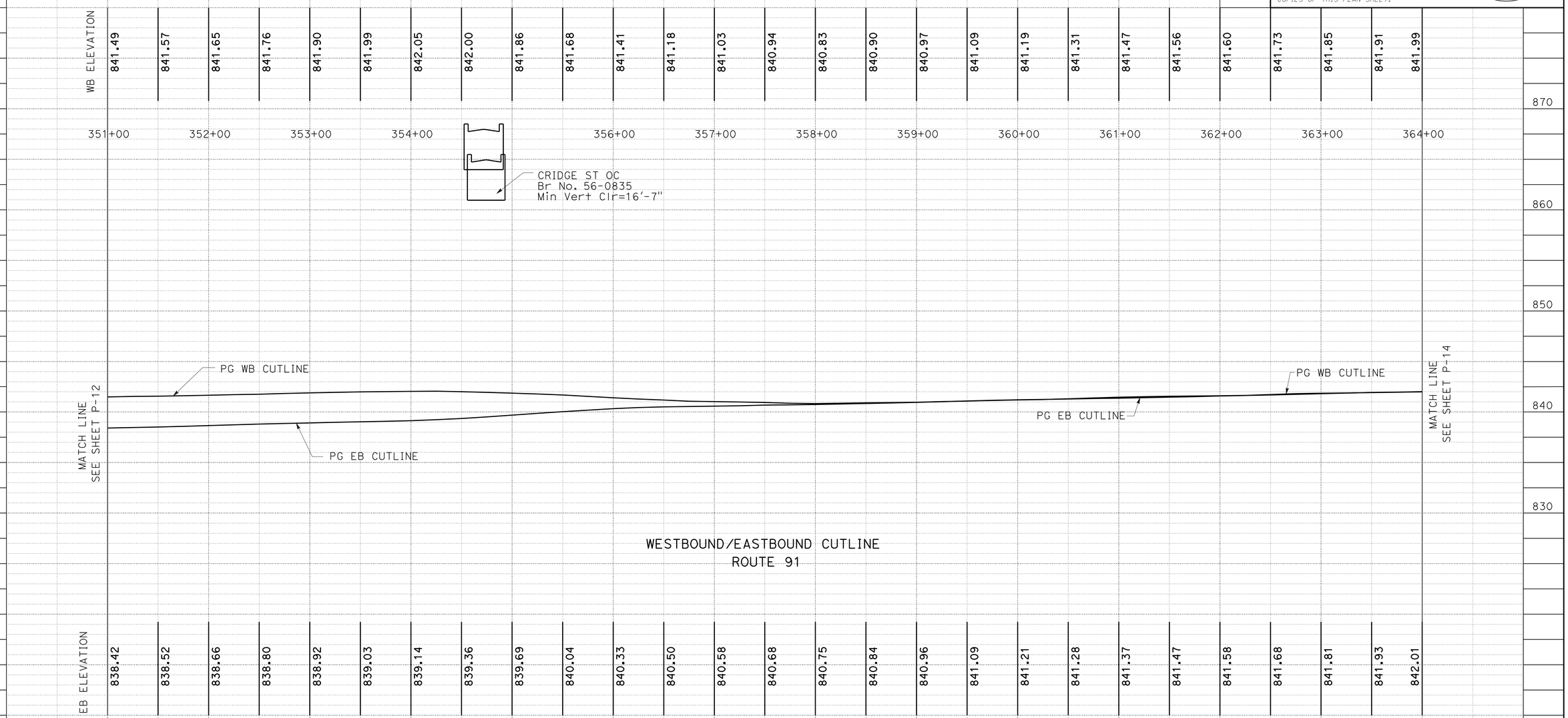


**PROFILE**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-13**

| STATION | | 351+00 | 352+00 | 353+00 | 354+00 | 355+00 | 356+00 | 357+00 | 358+00 | 359+00 | 360+00 | 361+00 | 362+00 | 363+00 | 364+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 17278 | | | | | | 19311 | | | | | | | | |
| | Emb | 0 | | | | | | 0 | | | | | | | | |

REVISED BY | DATE REVISED
ANNABELL WANG | CUONG LE TRAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 56 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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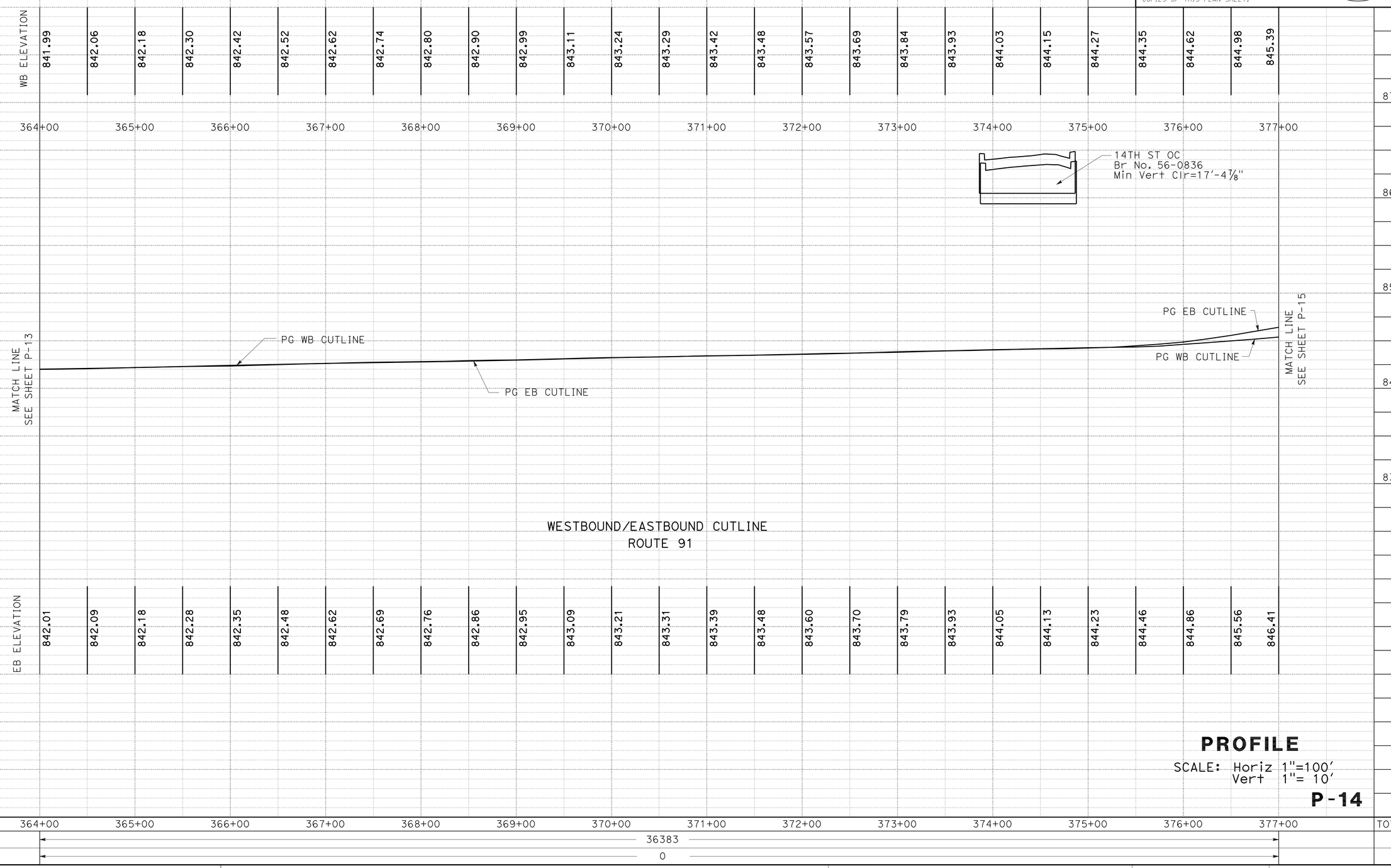


## PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-14**

| STATION | | 364+00 | 365+00 | 366+00 | 367+00 | 368+00 | 369+00 | 370+00 | 371+00 | 372+00 | 373+00 | 374+00 | 375+00 | 376+00 | 377+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 36383 | | | | | | | | | | | | | | |
| | Emb | 0 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 57 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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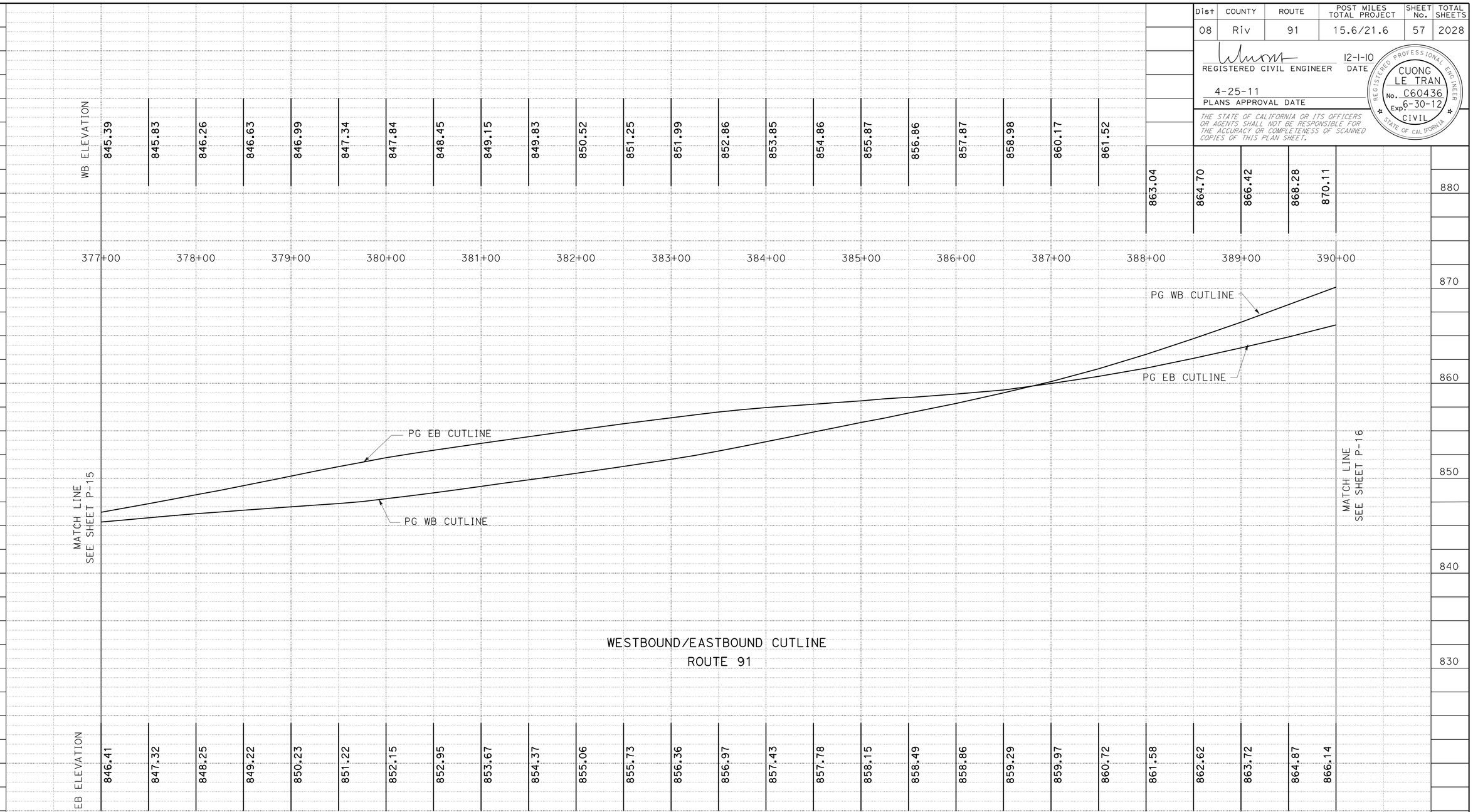


## PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-15**

| STATION | | 377+00 | 378+00 | 379+00 | 380+00 | 381+00 | 382+00 | 383+00 | 384+00 | 385+00 | 386+00 | 387+00 | 388+00 | 389+00 | 390+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 10913 | | | | | | | | | 1942 | | | | | |
| | Emb | 24 | | | | | | | | | 30 | | | | | |

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LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 58 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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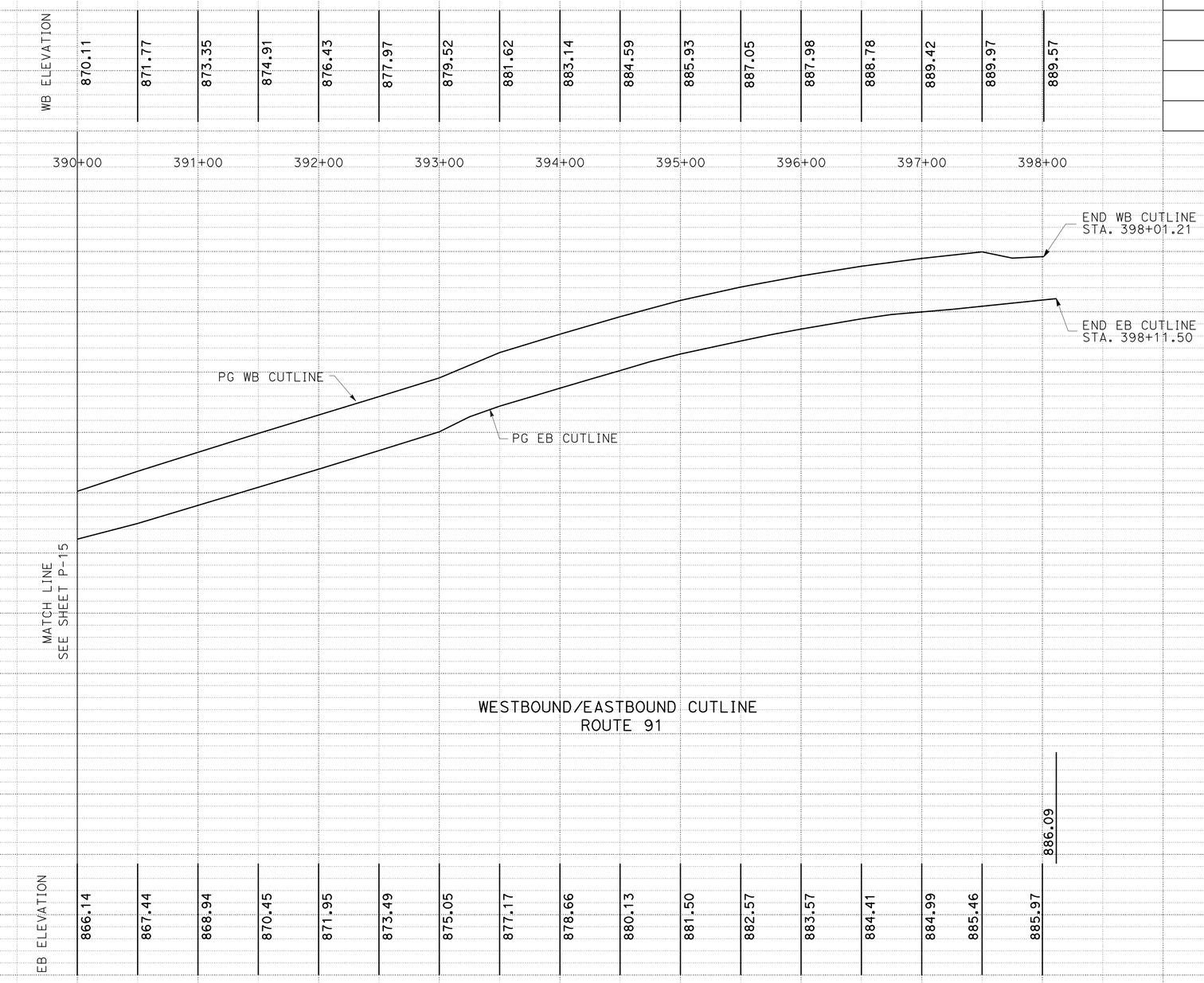


# PROFILE

SCALE: Horiz 1"=100'
Vert 1"= 10'

**P-16**

| STATION | | 390+00 | 391+00 | 392+00 | 393+00 | 394+00 | 395+00 | 396+00 | 397+00 | 398+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1109 | | | | | | | | | |
| | Emb | 1451 | | | | | | | | | |

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DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 59 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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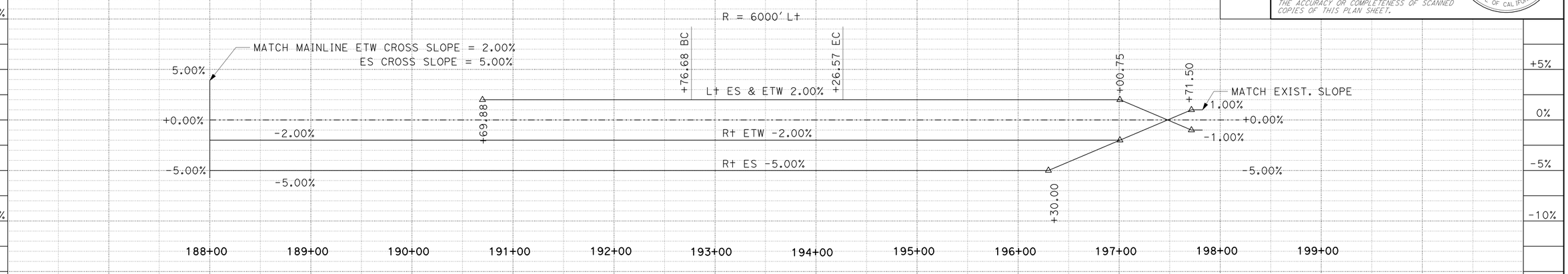
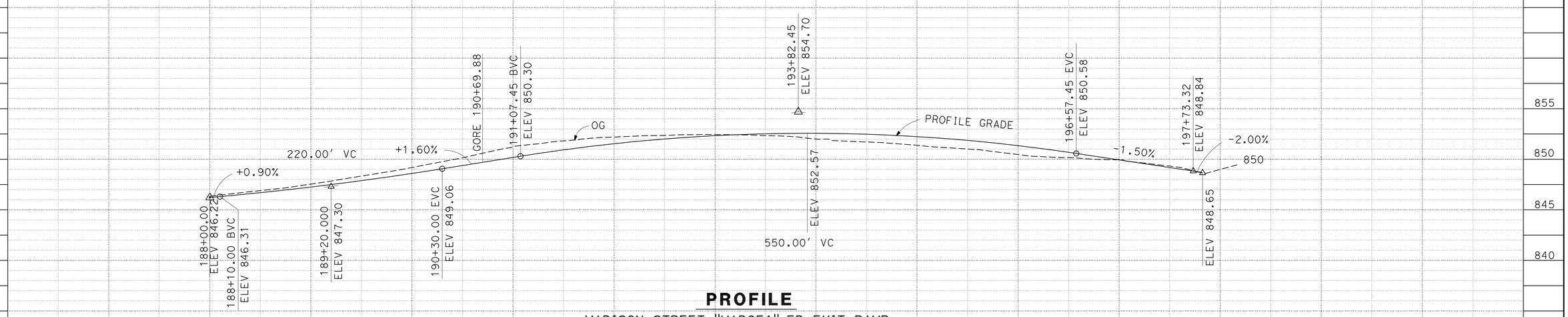



## SUPERELEVATION DIAGRAM

MADISON STREET "MADOF1" EB EXIT RAMP




## PROFILE

MADISON STREET "MADOF1" EB EXIT RAMP

| STATION | 188+00 | 189+00 | 190+00 | 191+00 | 192+00 | 193+00 | 194+00 | 195+00 | 196+00 | 197+00 | 198+00 | 199+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | 2241 | | | | | | | |
| CY Emb | | | | | | 439 | | | | | | | |

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-1**

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CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 60 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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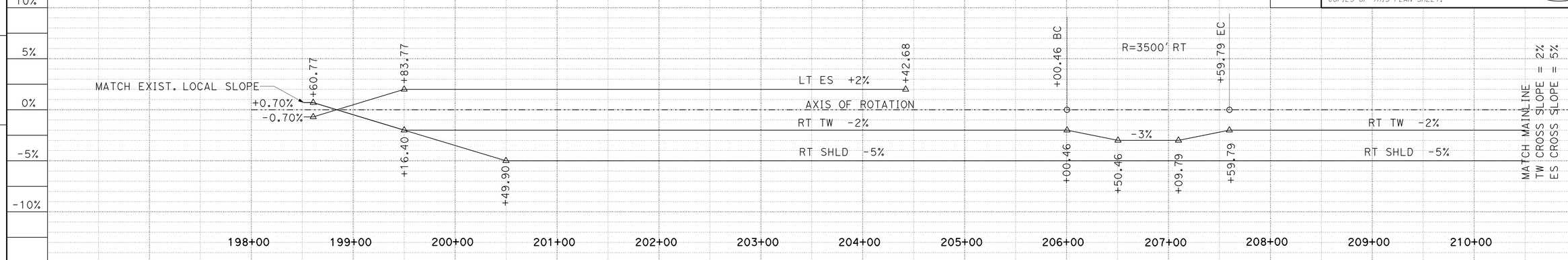
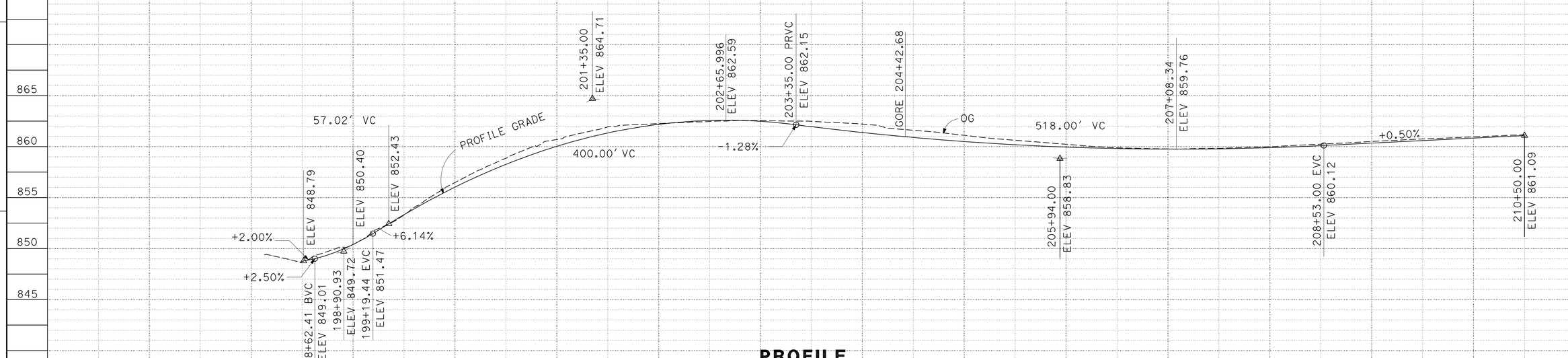



## SUPERELEVATION DIAGRAM

MADISON Ave "MADON2" EB ENTRANCE RAMP




## PROFILE

MADISON Ave "MAD2" EB ENTRANCE RAMP

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-2**

| STATION | 198+00 | 199+00 | 200+00 | 201+00 | 202+00 | 203+00 | 204+00 | 205+00 | 206+00 | 207+00 | 208+00 | 209+00 | 210+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | 3753 | | | | | | | |
| CY Emb | | | | | | | 644 | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 61 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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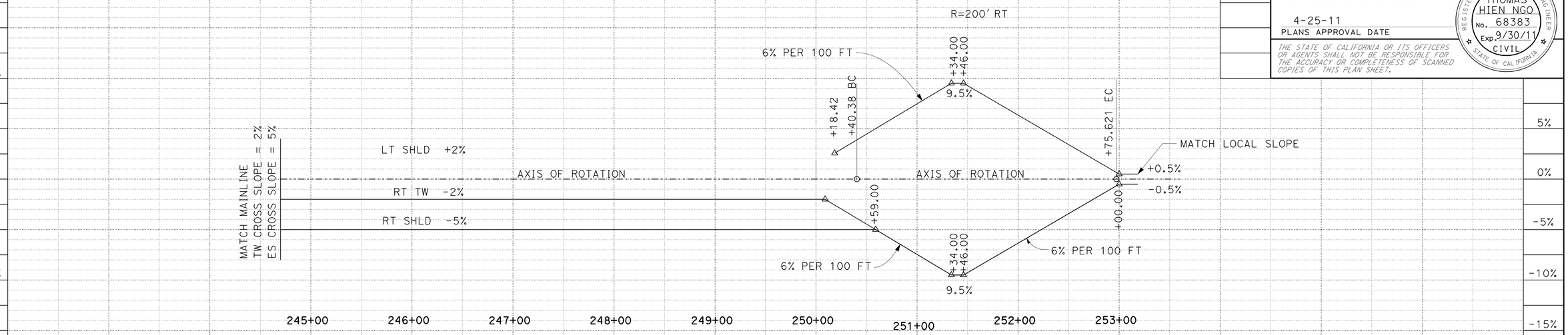
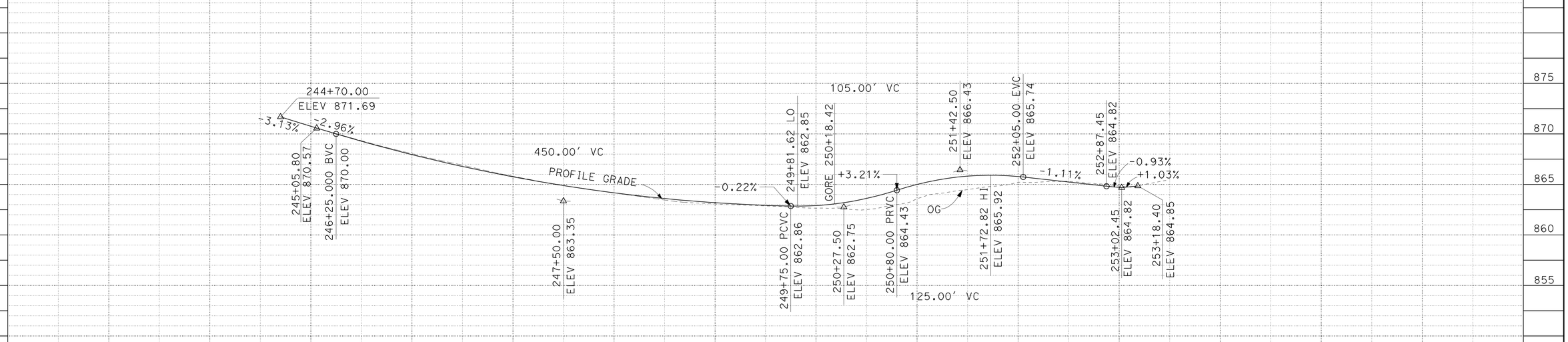



## SUPERELEVATION DIAGRAM

INDIANA Ave "INOFF2" EB EXIT RAMP




## PROFILE

INDIANA Ave "INOFF2" EB EXIT RAMP

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-3**

| STATION | | 244+00 | 245+00 | 246+00 | 247+00 | 248+00 | 249+00 | 250+00 | 251+00 | 252+00 | 253+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | 1467.8 | | | | | | | | | |
| | Emb | | 364.3 | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 62 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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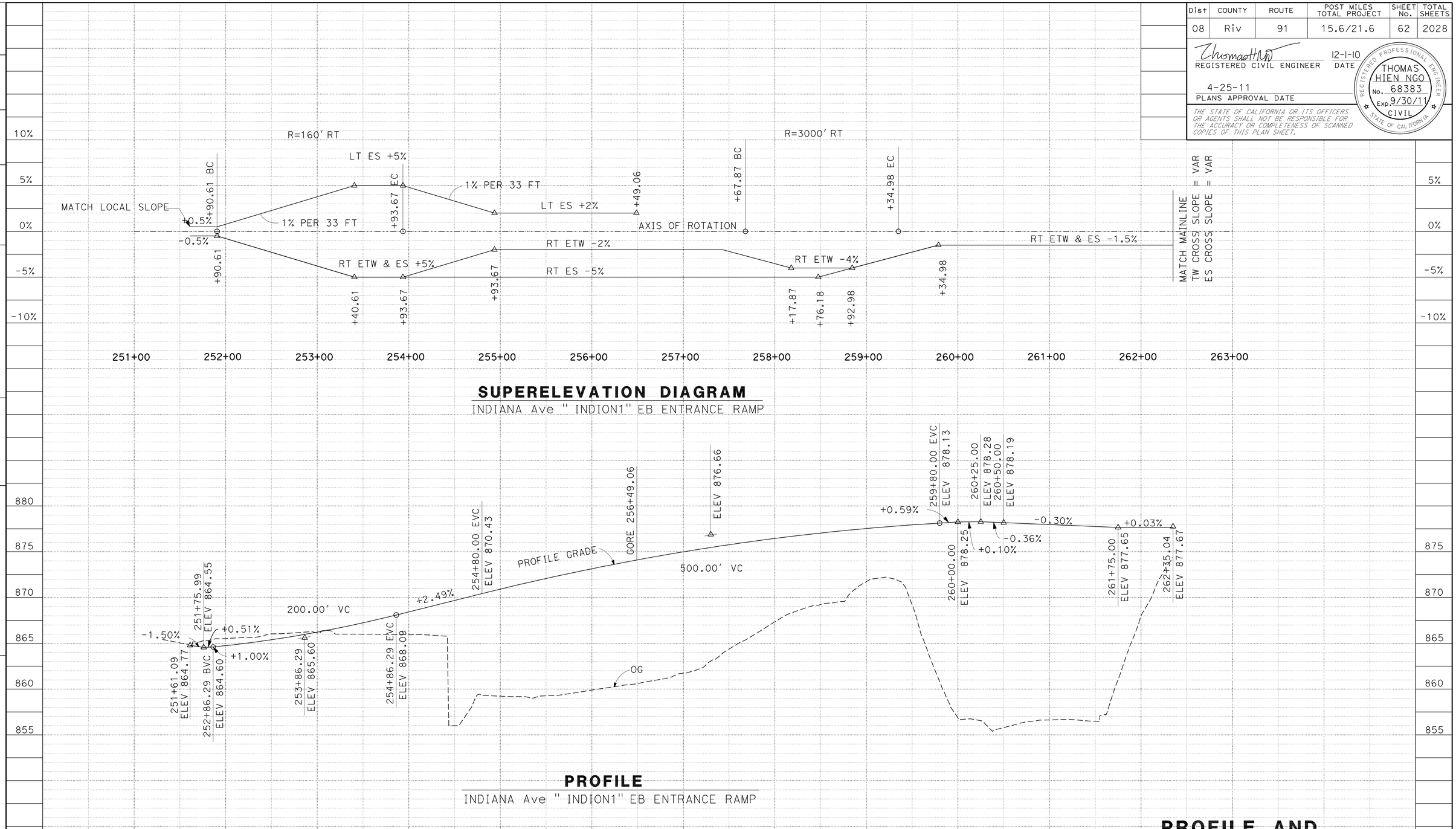


## SUPERELEVATION DIAGRAM

INDIANA Ave " INDION1" EB ENTRANCE RAMP




## PROFILE

INDIANA Ave " INDION1" EB ENTRANCE RAMP

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-4**

| STATION | | 251+00 | 252+00 | 253+00 | 254+00 | 255+00 | 256+00 | 257+00 | 258+00 | 259+00 | 260+00 | 261+00 | 262+00 | 263+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1157.6 | | | | | | | | | | | | | |
| | Emb | 12218.4 | | | | | | | | | | | | | |

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CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 29-APR-2011
12-01-10 TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 63 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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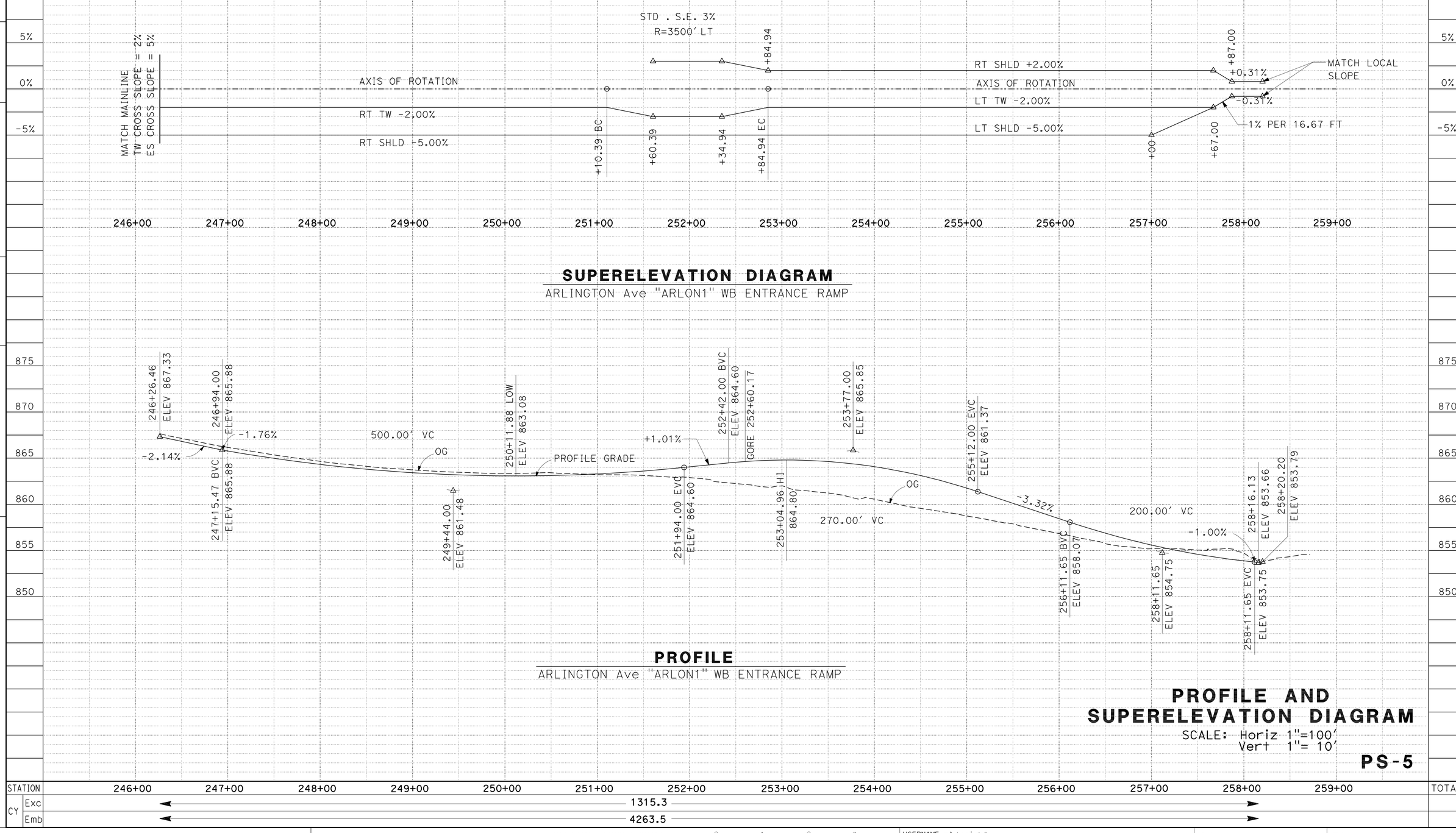


## SUPERELEVATION DIAGRAM

ARLINGTON Ave "ARLON1" WB ENTRANCE RAMP

## PROFILE

ARLINGTON Ave "ARLON1" WB ENTRANCE RAMP

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-5**

REVISED BY | DATE REVISED
THAI VAN HGUYEN | THOMAS HIEN NGO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:31

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 64 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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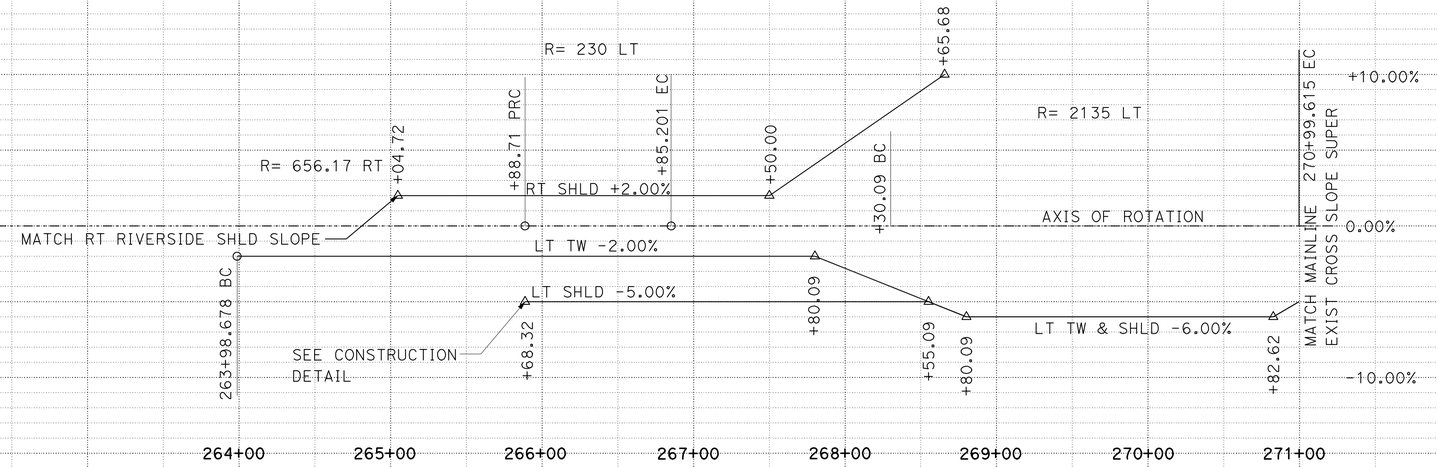
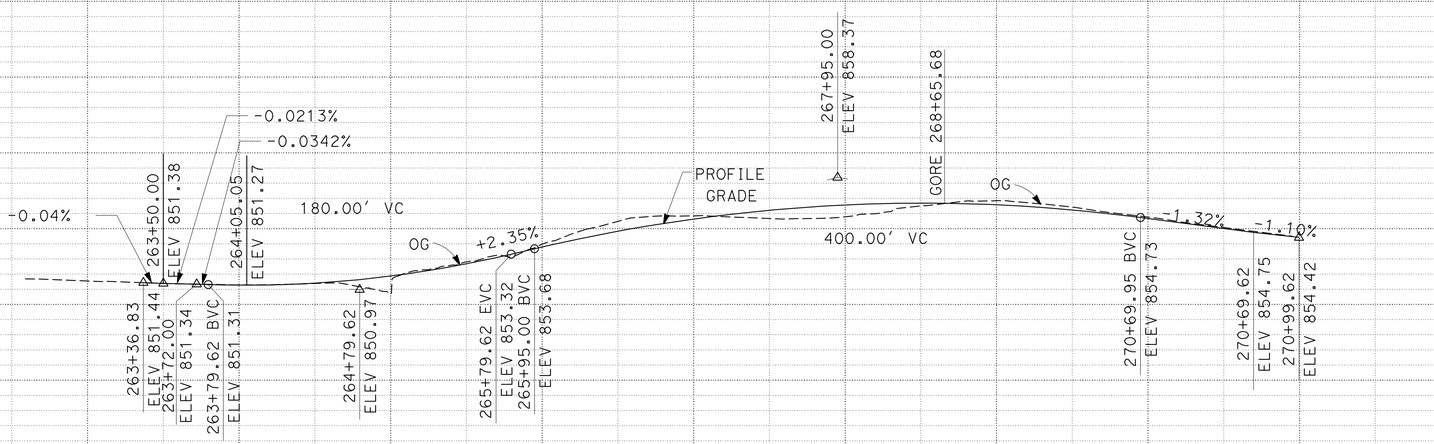



## SUPERELEVATION DIAGRAM

ARLINGTON Ave "RIVOF2" WB EXIT RAMP




## PROFILE

ARLINGTON Ave "RIVOF2" WB EXIT RAMP

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"=10'

**PS-6**

| STATION | | 264+00 | 265+00 | 266+00 | 267+00 | 268+00 | 269+00 | 270+00 | 271+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1303 | | | | | | | | |
| | Emb | 642 | | | | | | | | |

REVISED BY | DATE REVISED
THAI VAN HGUYEN | THOMAS HIEN NGO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE

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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 65 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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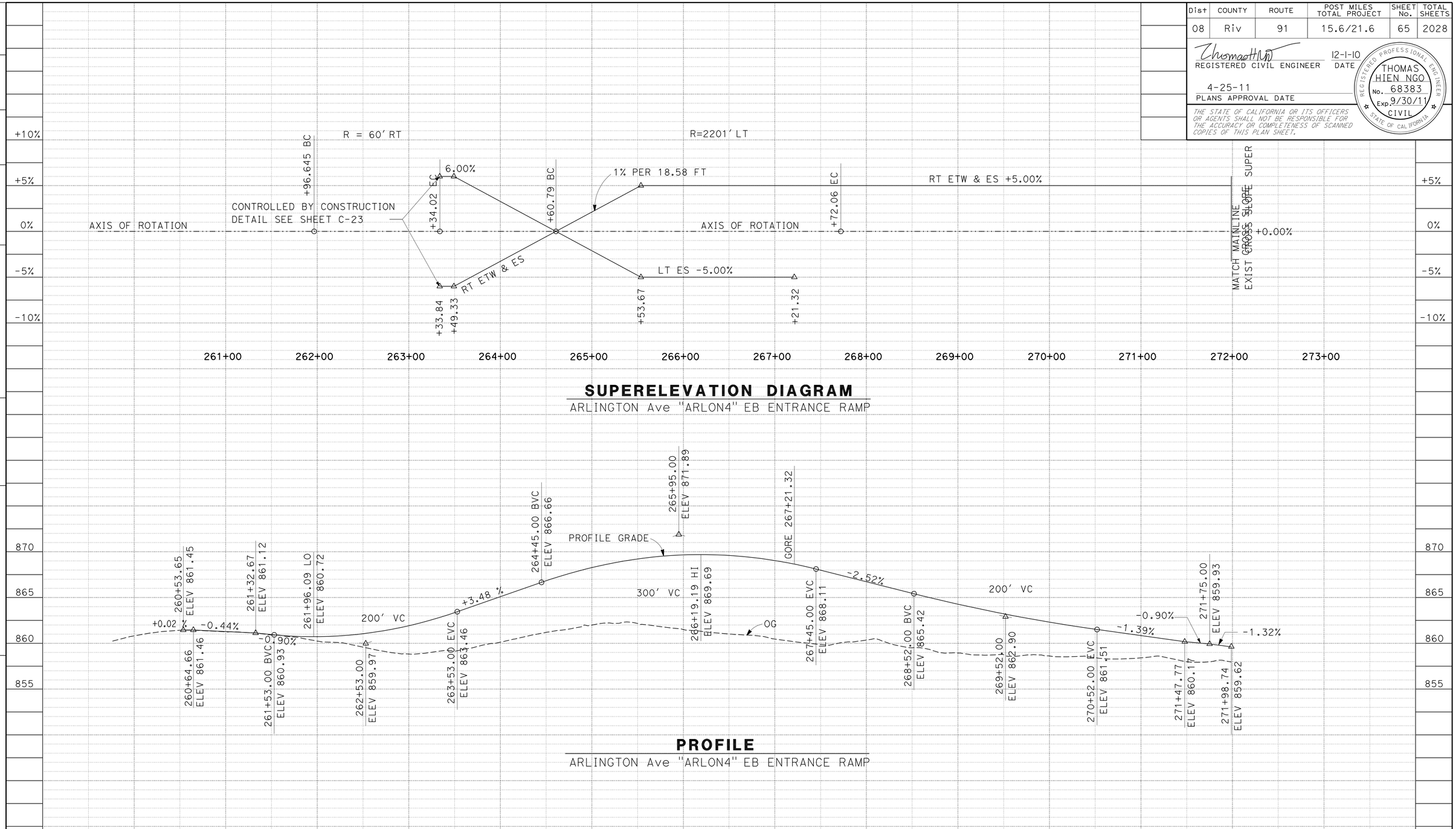


| STATION | | 261+00 | 262+00 | 263+00 | 264+00 | 265+00 | 266+00 | 267+00 | 268+00 | 269+00 | 270+00 | 271+00 | 272+00 | 273+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 217.8 | | | | | | | | | | | | | |
| | Emb | 8105 | | | | | | | | | | | | | |

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32
12-01-10

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 66 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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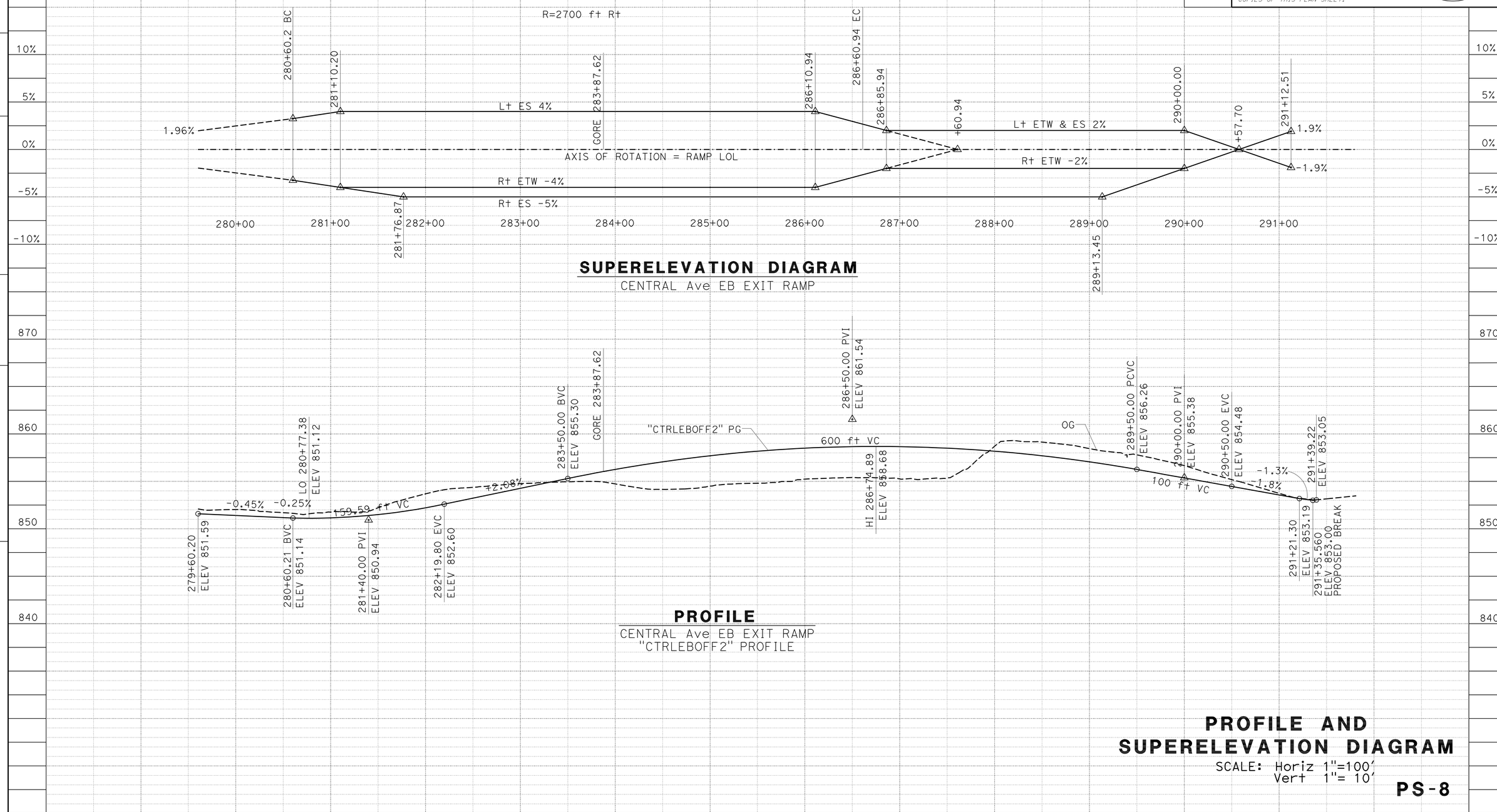


## SUPERELEVATION DIAGRAM

CENTRAL Ave EB EXIT RAMP

## PROFILE

CENTRAL Ave EB EXIT RAMP
"CTRLEBOFF2" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-8**

| STATION | 280+00 | 281+00 | 282+00 | 283+00 | 284+00 | 285+00 | 286+00 | 287+00 | 288+00 | 289+00 | 290+00 | 291+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | 4150 | | | | | | | | | | | |
| CY Emb | | 3500 | | | | | | | | | | | |

REVISED BY | DATE REVISED
ANNABELL WANG | CUONG LE TRAN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

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DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 67 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

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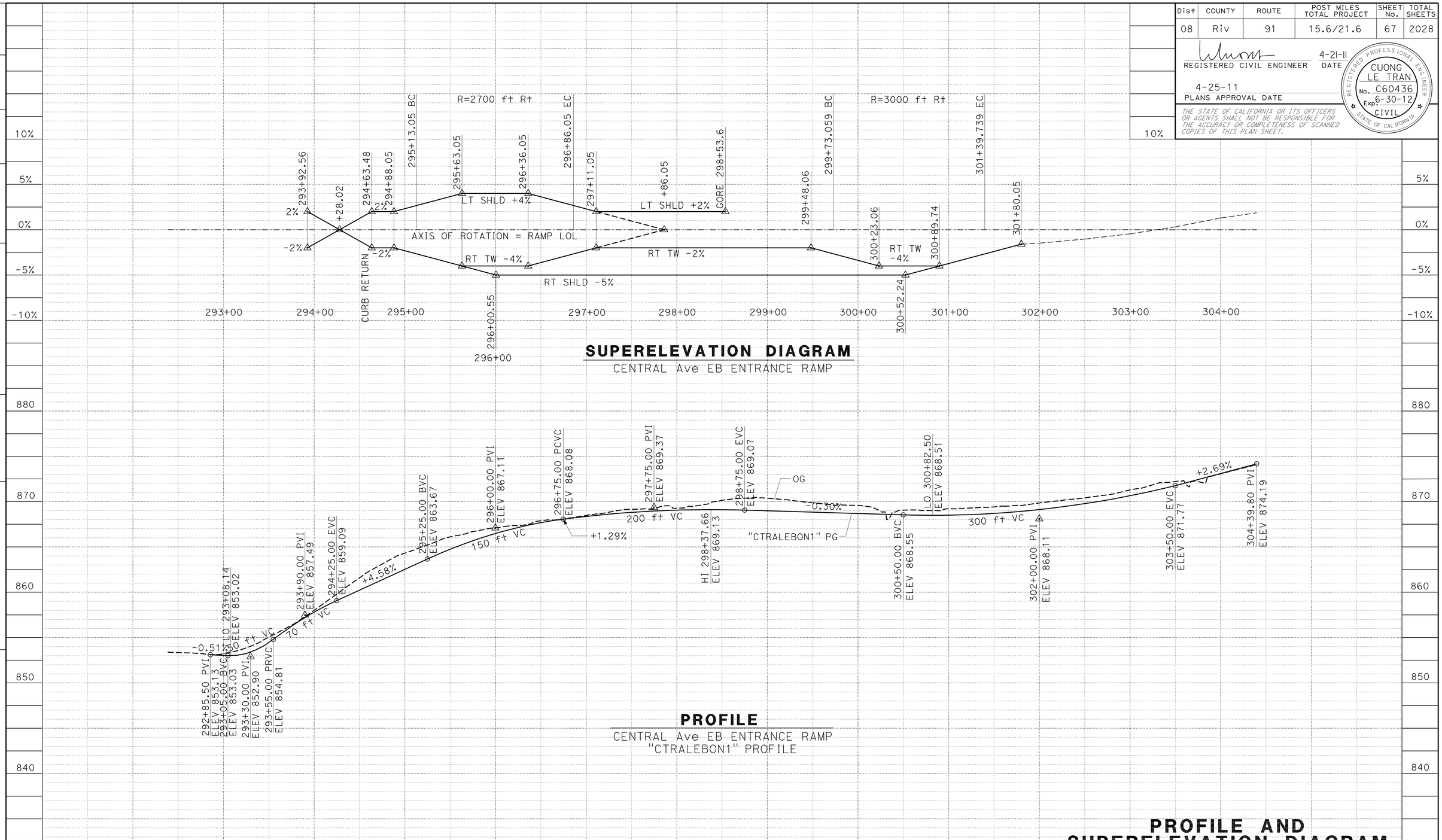


| STATION | 293+00 | 294+00 | 295+00 | 296+00 | 297+00 | 298+00 | 299+00 | 300+00 | 301+00 | 302+00 | 303+00 | 304+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 3400 | | | | | | | | | | | | |
| CY Emb | 850 | | | | | | | | | | | | |

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CHECKED BY: CUONG LE TRAN

REVISED BY / DATE REVISED

LAST REVISION 04-21-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 68 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

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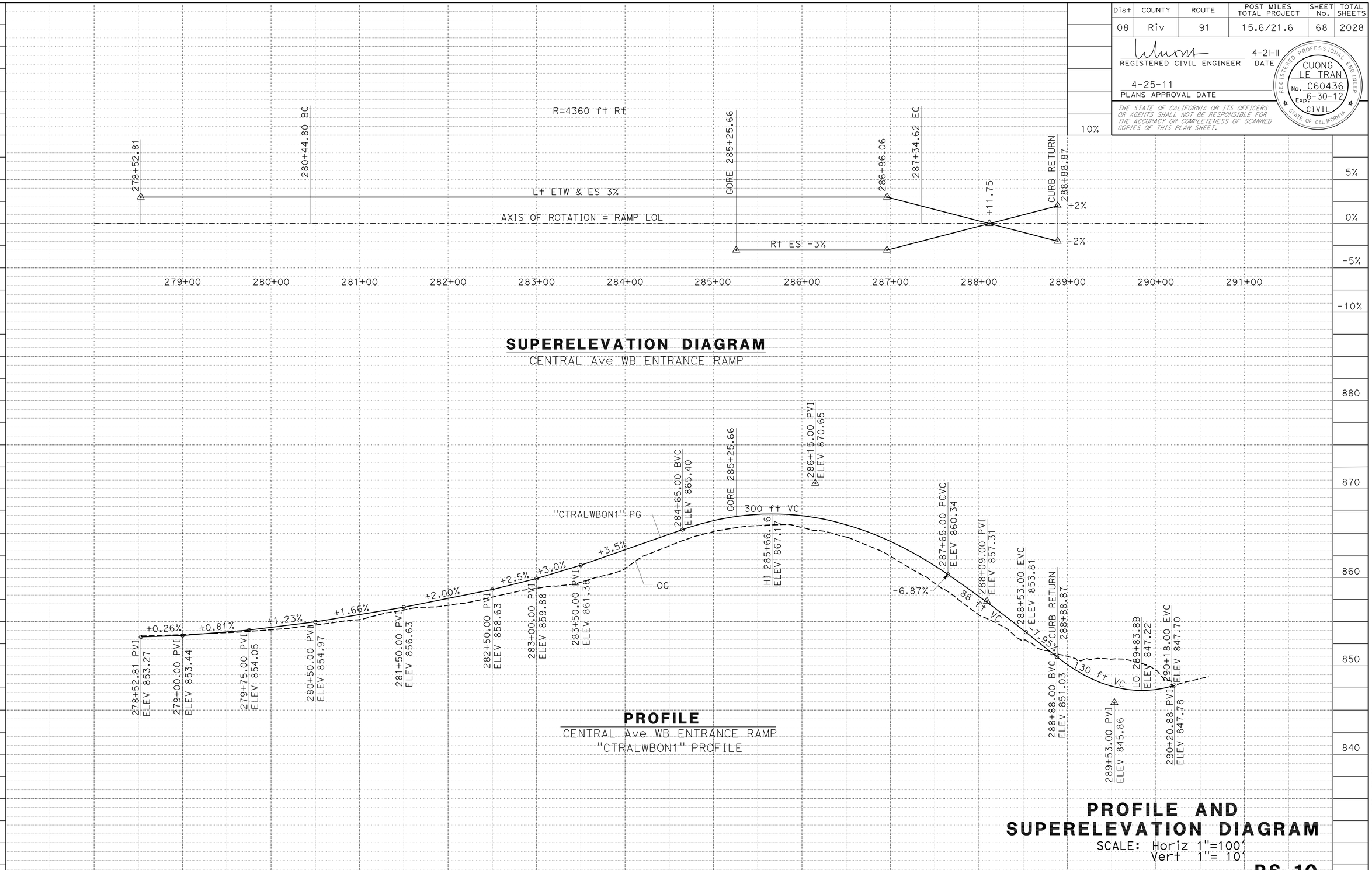



## SUPERELEVATION DIAGRAM
CENTRAL Ave WB ENTRANCE RAMP

## PROFILE
CENTRAL Ave WB ENTRANCE RAMP
"CTRALWBON1" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-10**

| STATION | 278+00 | 279+00 | 280+00 | 281+00 | 282+00 | 283+00 | 284+00 | 285+00 | 286+00 | 287+00 | 288+00 | 289+00 | 290+00 | 291+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 2000 | | | | | | | | | | | | | | |
| CY Emb | 6000 | | | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32
04-21-11

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => 844840fb010.dgn
CU 08227
EA 448401

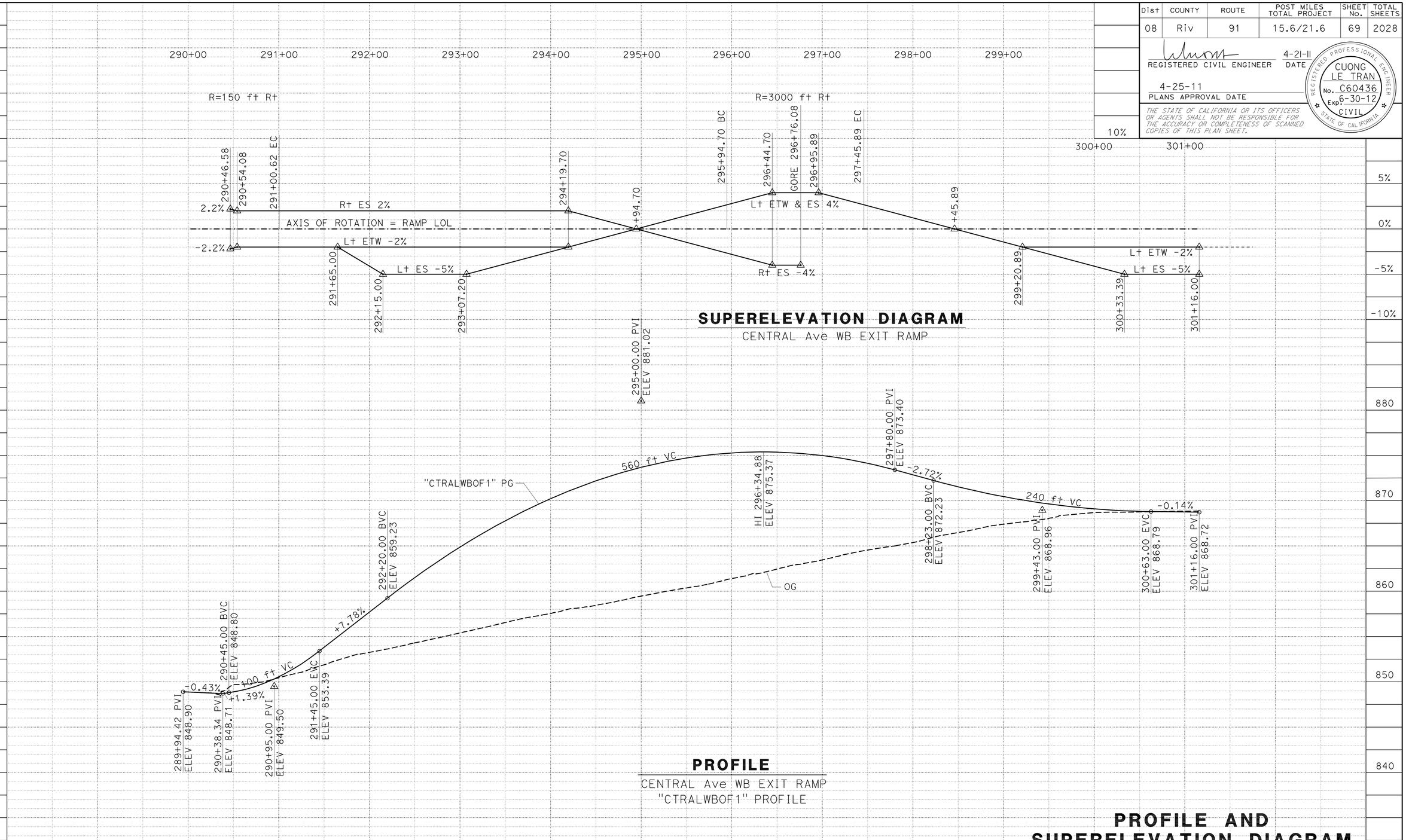
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 69 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*




# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-11**

| STATION | 290+00 | 291+00 | 292+00 | 293+00 | 294+00 | 295+00 | 296+00 | 297+00 | 298+00 | 299+00 | 300+00 | 301+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | 1050 | | | | | | | | | | | |
| CY Emb | | 10400 | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 70 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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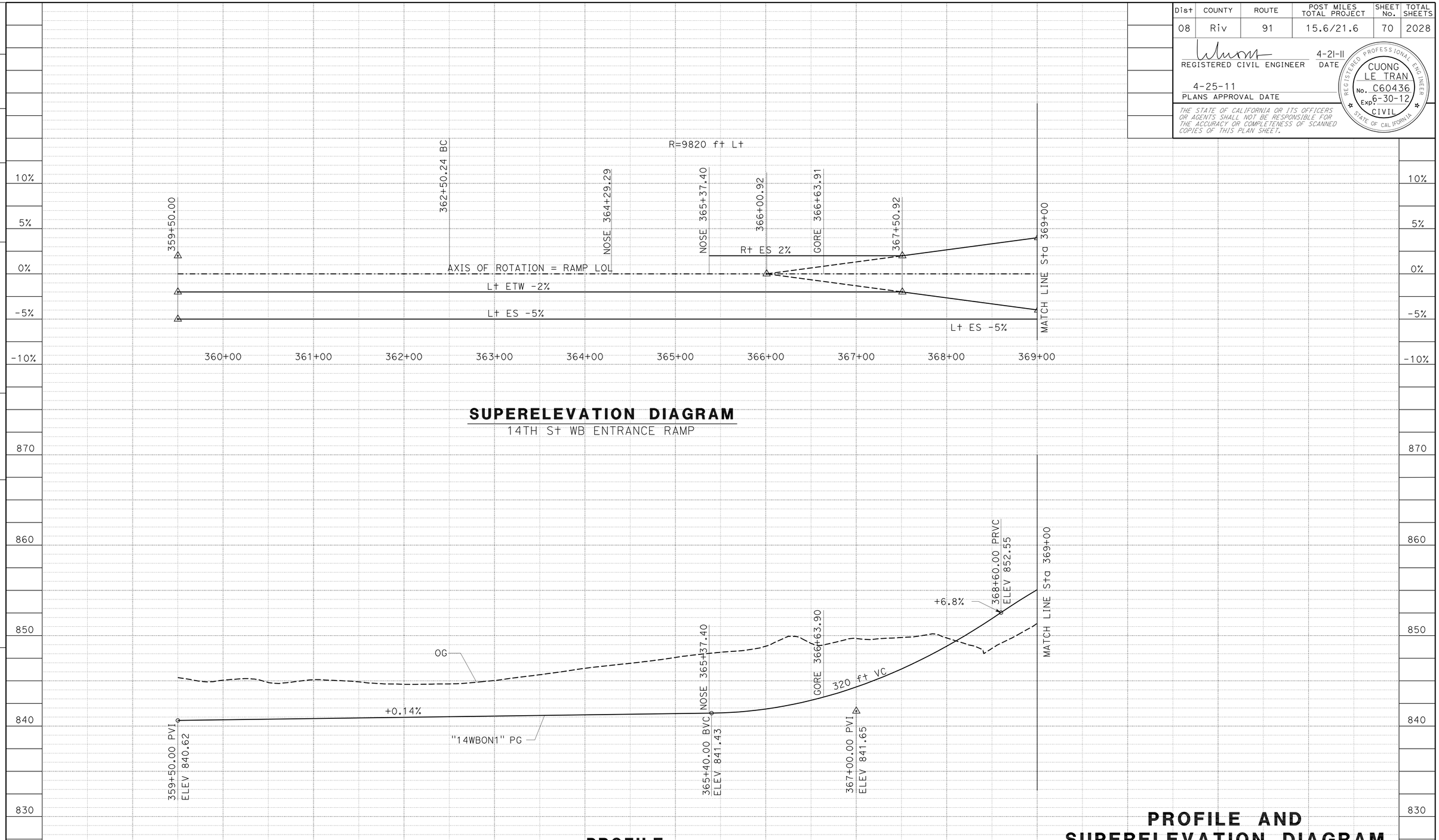


## SUPERELEVATION DIAGRAM
14TH St WB ENTRANCE RAMP

## PROFILE
14TH St WB ENTRANCE RAMP
"14WBON1" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-12**

| STATION | 359+00 | 360+00 | 361+00 | 362+00 | 363+00 | 364+00 | 365+00 | 366+00 | 367+00 | 368+00 | 369+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | 27642 | | | | | | | | | | |
| CY Emb | | 284 | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 71 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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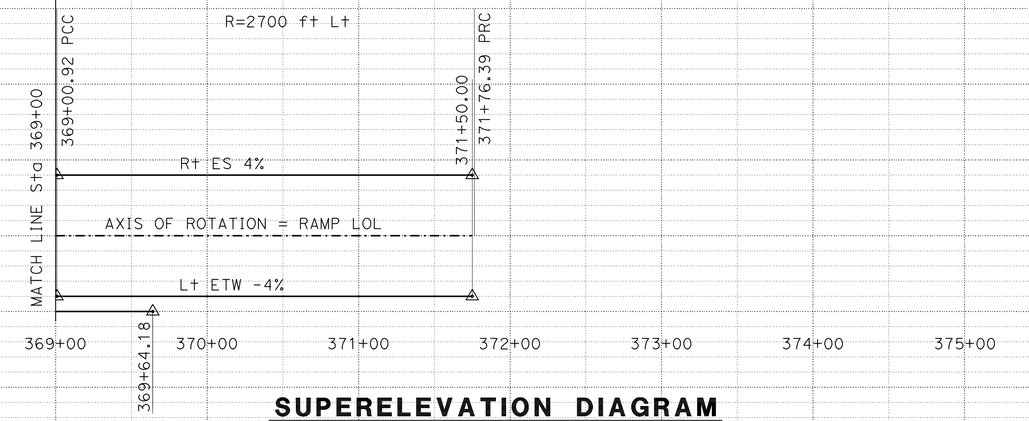
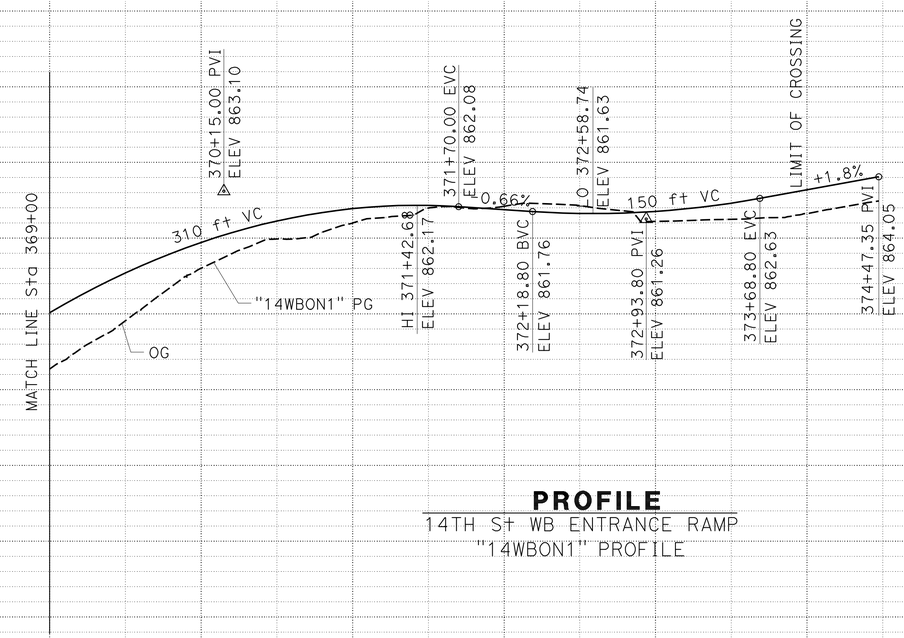



## SUPERELEVATION DIAGRAM
14TH St WB ENTRANCE RAMP




## PROFILE
14TH St WB ENTRANCE RAMP
"14WBON1" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-13**

| STATION | | 369+00 | 370+00 | 371+00 | 372+00 | 373+00 | 374+00 | 375+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 2858 | | | | | | | |
| | Emb | 366 | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY / DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 72 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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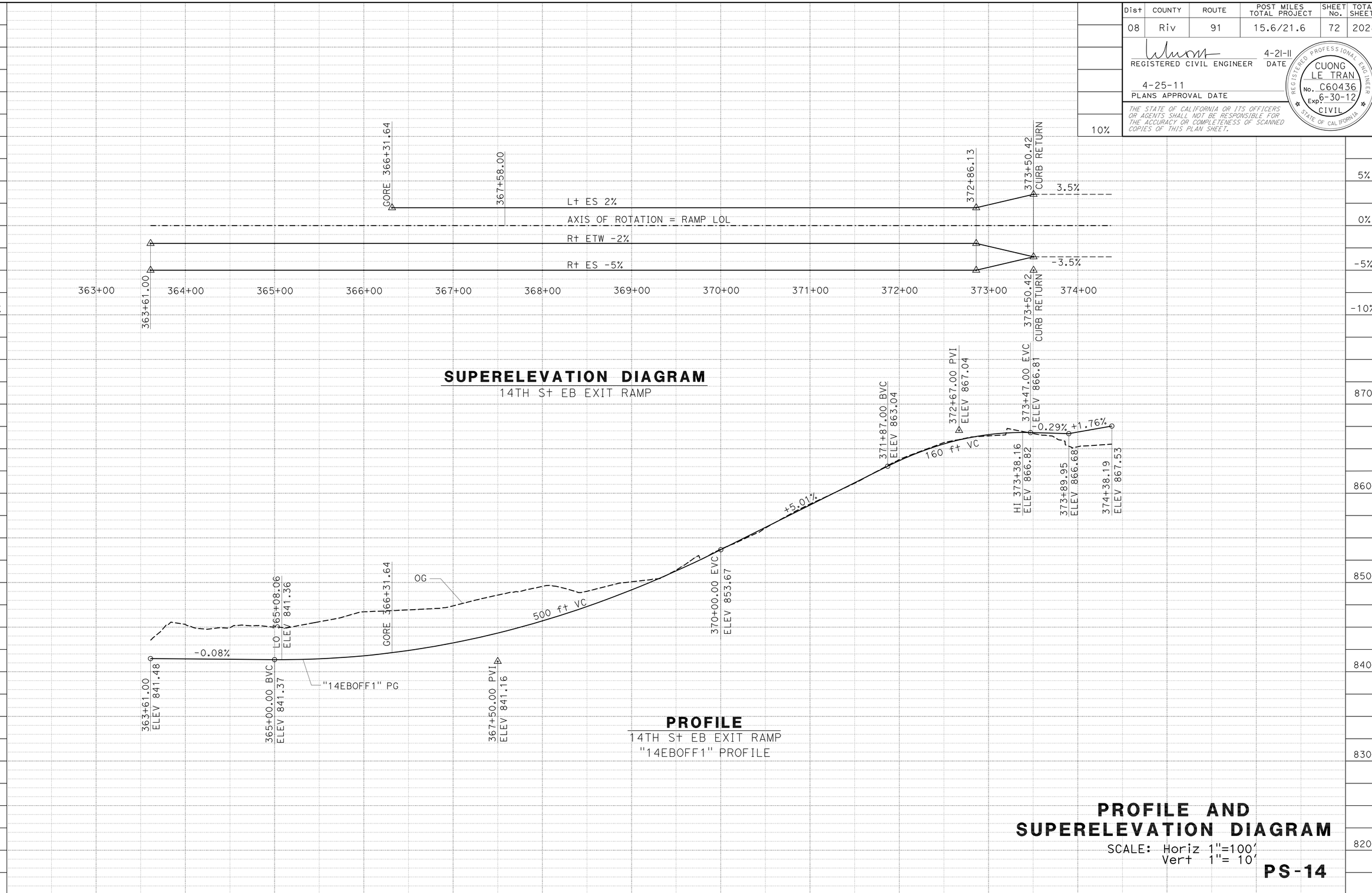



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans®

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG

CHECKED BY: CUONG LE TRAN

REVISED BY

DATE REVISED

LAST REVISION 04-21-11

DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trrichf
DGN FILE => 844840fb014.dgn

CU 08227

EA 448401

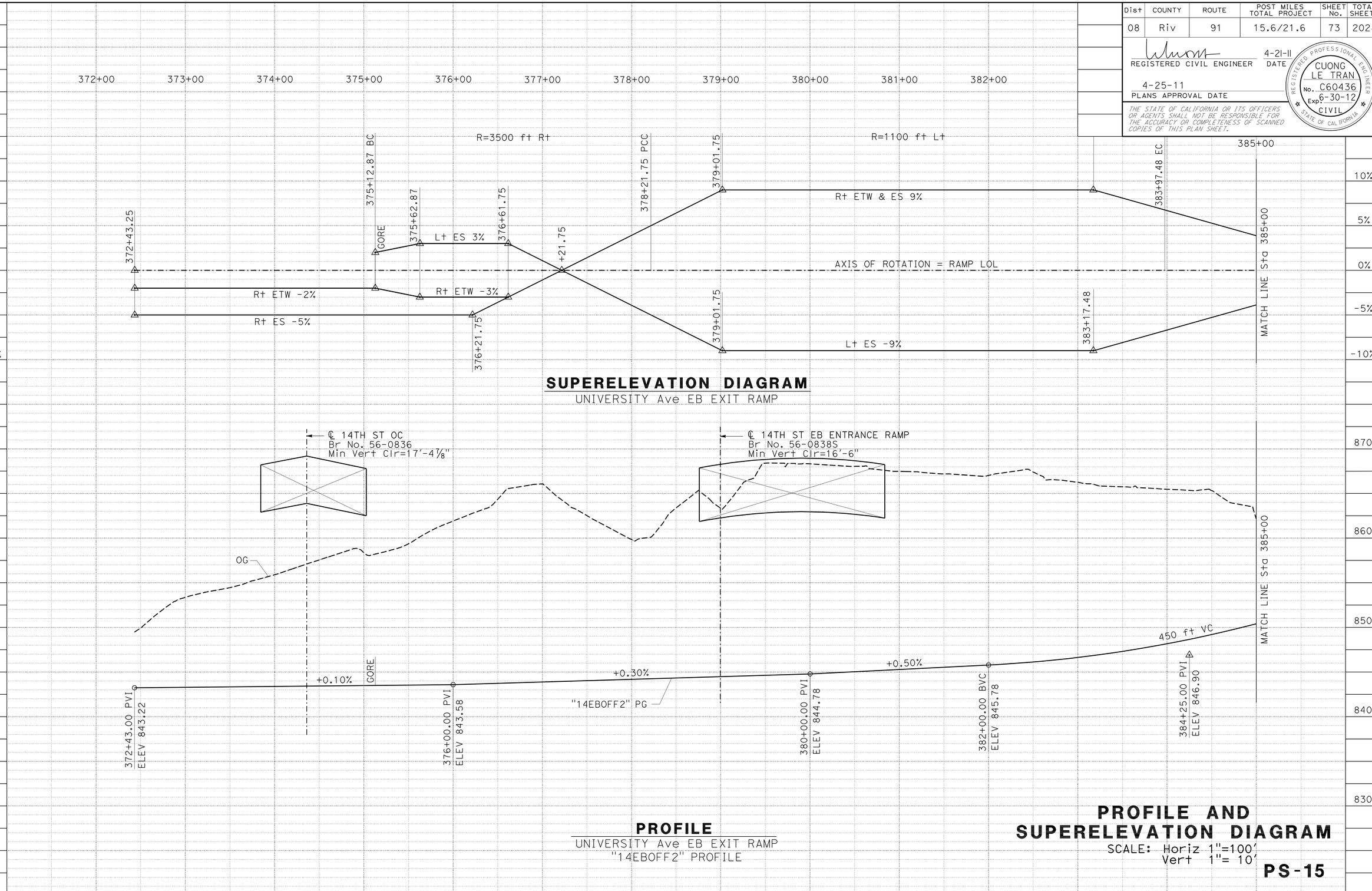
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 73 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*




STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN

REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:32

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 74 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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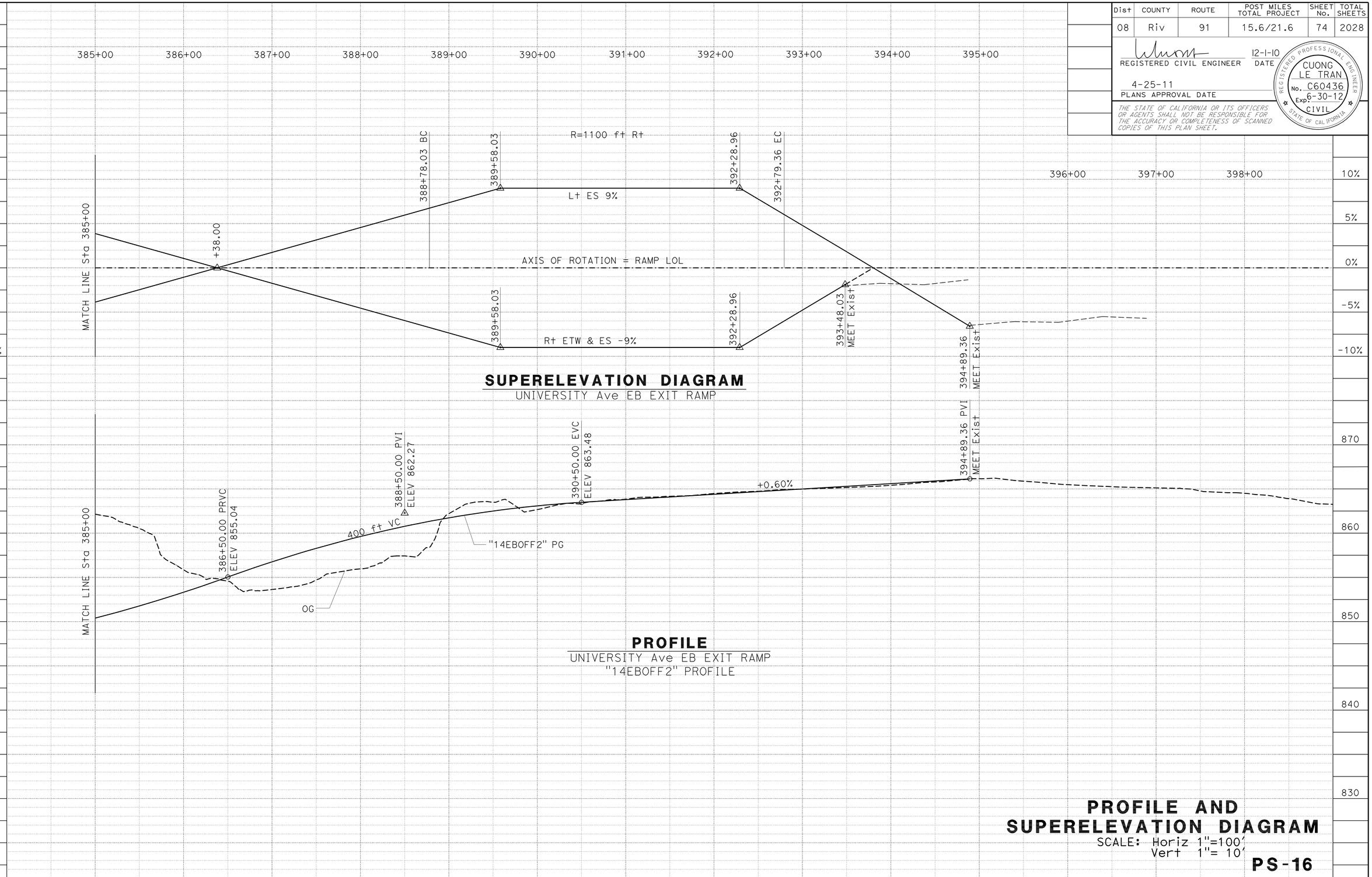



## SUPERELEVATION DIAGRAM
UNIVERSITY Ave EB EXIT RAMP

## PROFILE
UNIVERSITY Ave EB EXIT RAMP
"14EBOFF2" PROFILE

| STATION | | 385+00 | 386+00 | 387+00 | 388+00 | 389+00 | 390+00 | 391+00 | 392+00 | 393+00 | 394+00 | 395+00 | 396+00 | 397+00 | 398+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 4129 | | | | | | | | | | | | | | |
| | Emb | 1051 | | | | | | | | | | | | | | |

# PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

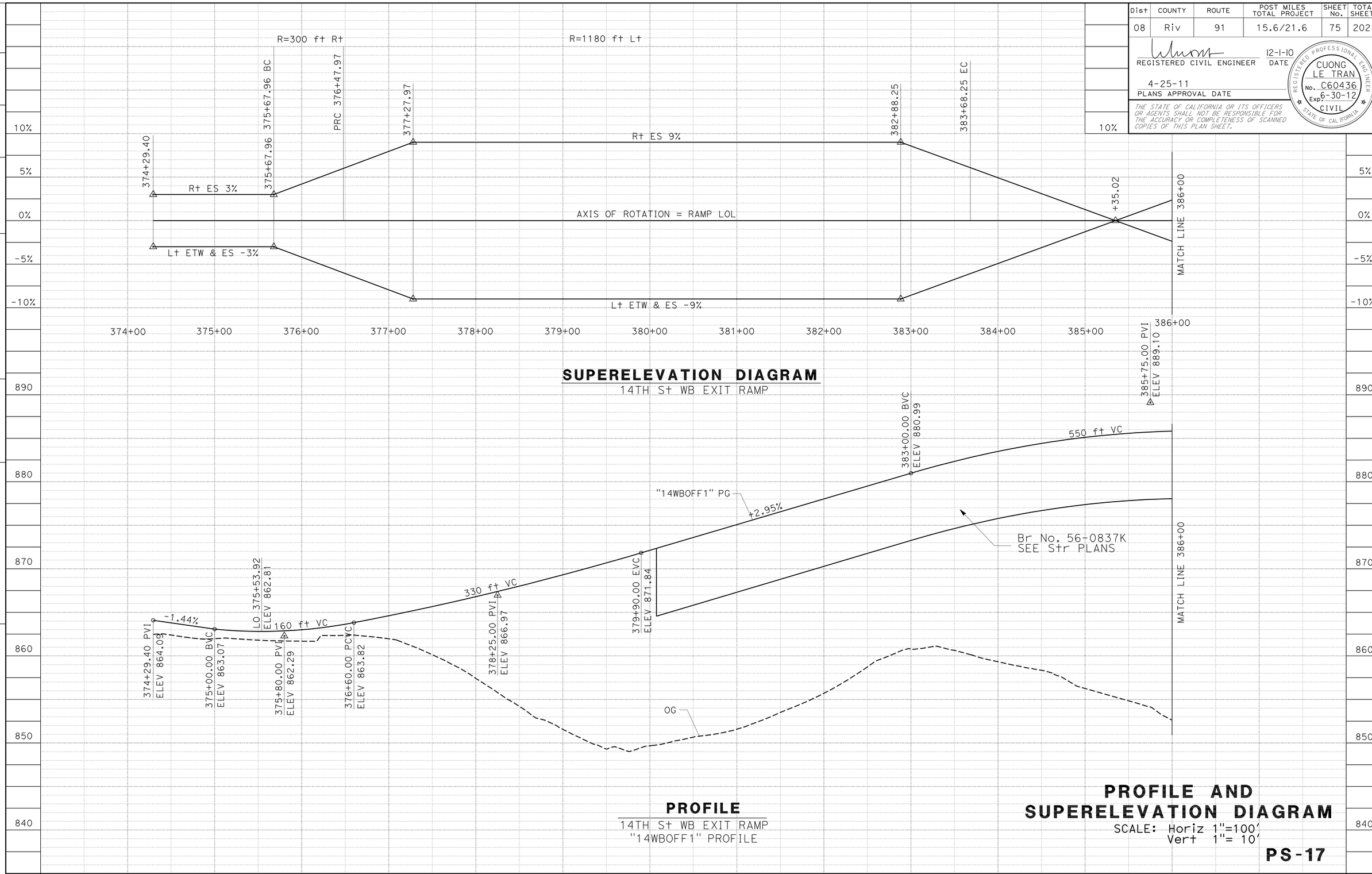
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 75 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 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.*




## SUPERELEVATION DIAGRAM
14TH St WB EXIT RAMP

## PROFILE
14TH St WB EXIT RAMP
"14WBOFF1" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-17**

| STATION | | 374+00 | 375+00 | 376+00 | 377+00 | 378+00 | 379+00 | 380+00 | 381+00 | 382+00 | 383+00 | 384+00 | 385+00 | 386+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | 663 | | | | | | | | | | | | |
| | Emb | | 4132 | | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY / DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 76 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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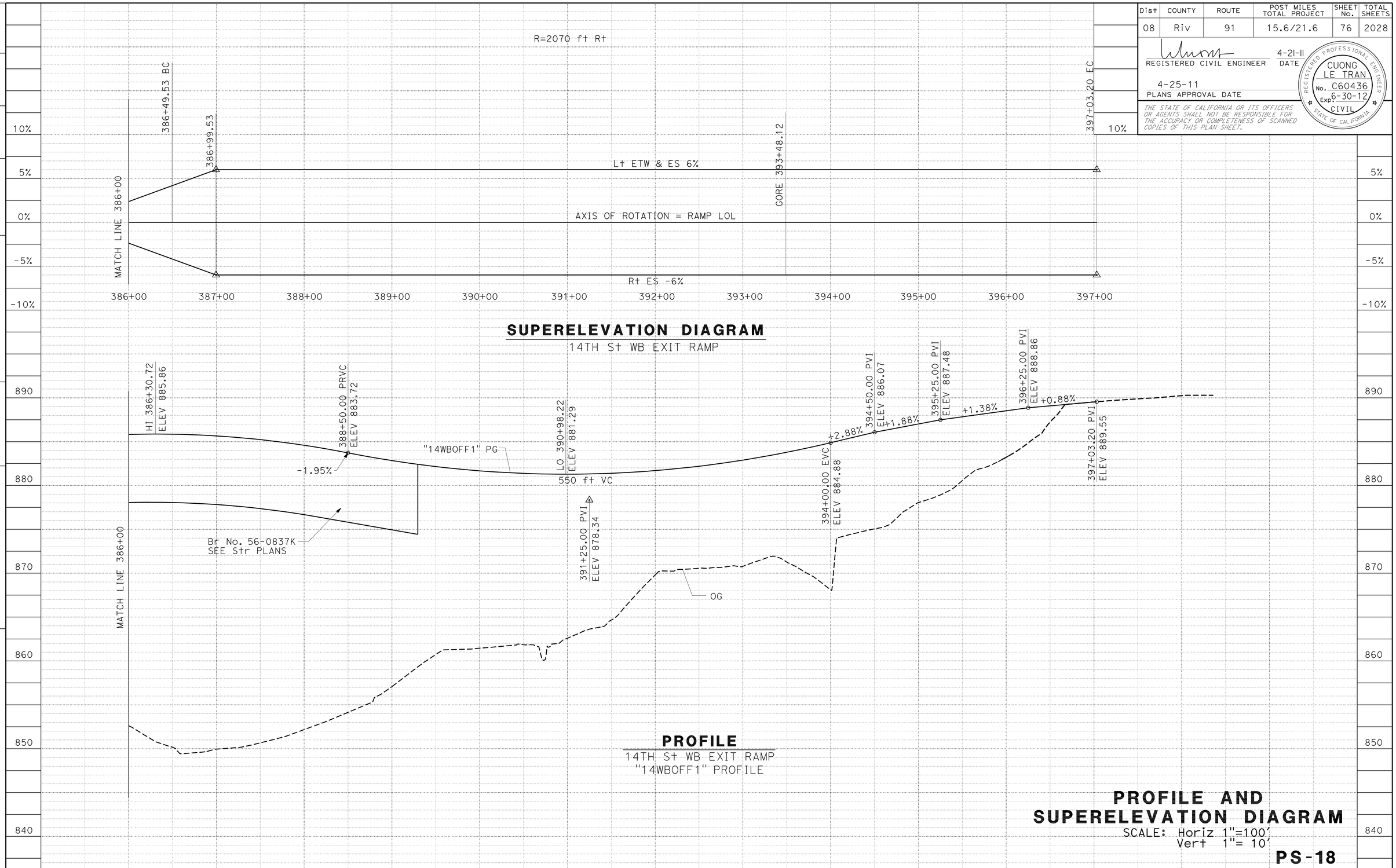


| STATION | | 386+00 | 387+00 | 388+00 | 389+00 | 390+00 | 391+00 | 392+00 | 393+00 | 394+00 | 395+00 | 396+00 | 397+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | 87 | | | | | | | | |
| | Emb | | | | | 8468 | | | | | | | | |

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-18**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 77 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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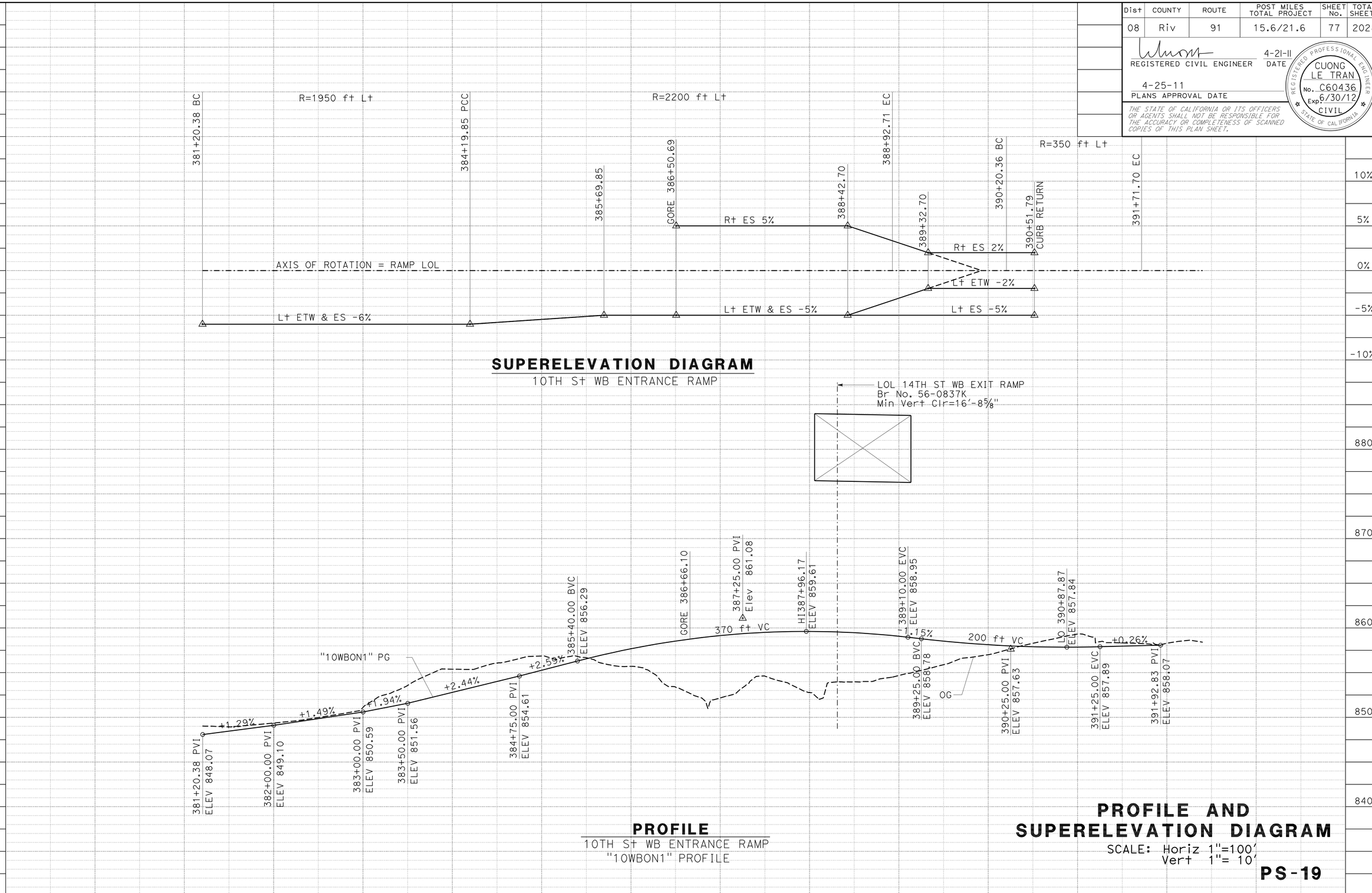


PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1"=100'
Vert 1"= 10'

PS-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: CUONG LE TRAN
CHECKED BY: ANNABELL WANG
REVISED BY / DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 78 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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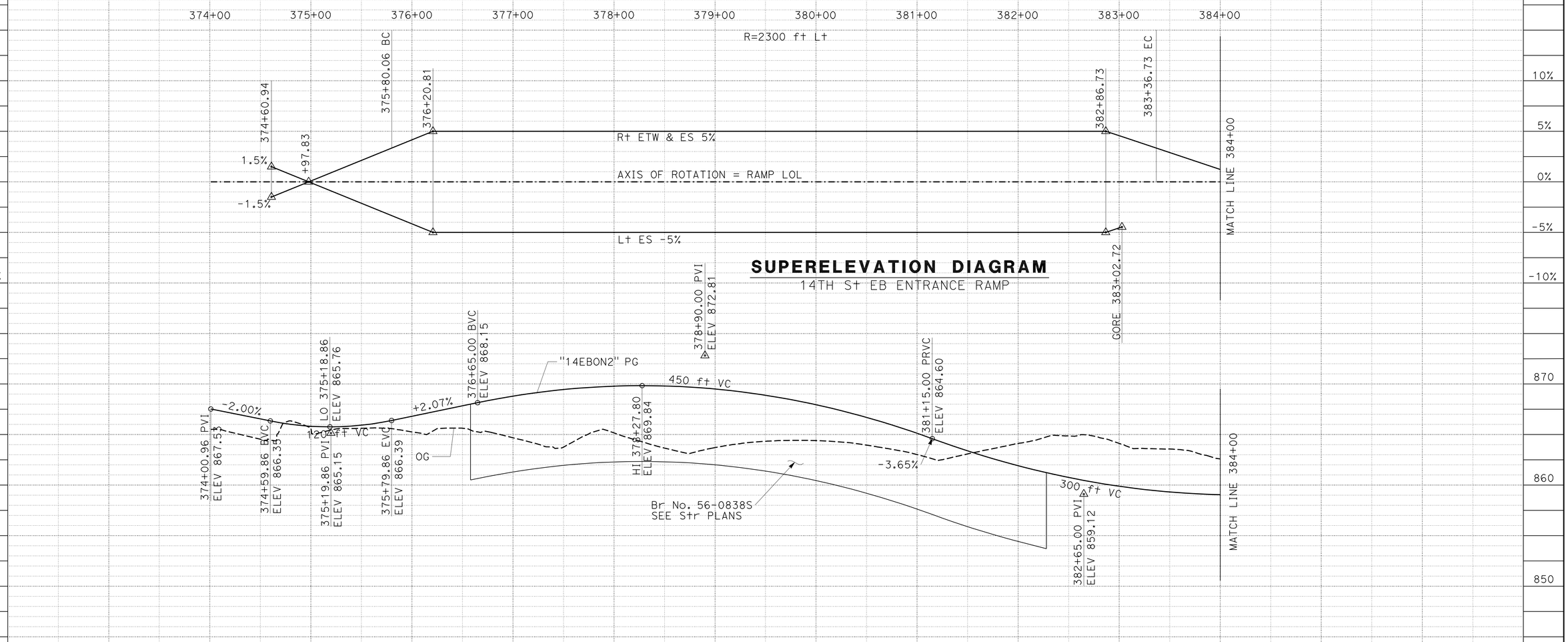


| STATION | | 374+00 | 375+00 | 376+00 | 377+00 | 378+00 | 379+00 | 380+00 | 381+00 | 382+00 | 383+00 | 384+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | 388 | | | | | | | 1870 | | | |
| | Emb | | 186 | | | | | | | 0 | | | |

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: CUONG LE TRAN
CHECKED BY: ANNABELL WANG
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 79 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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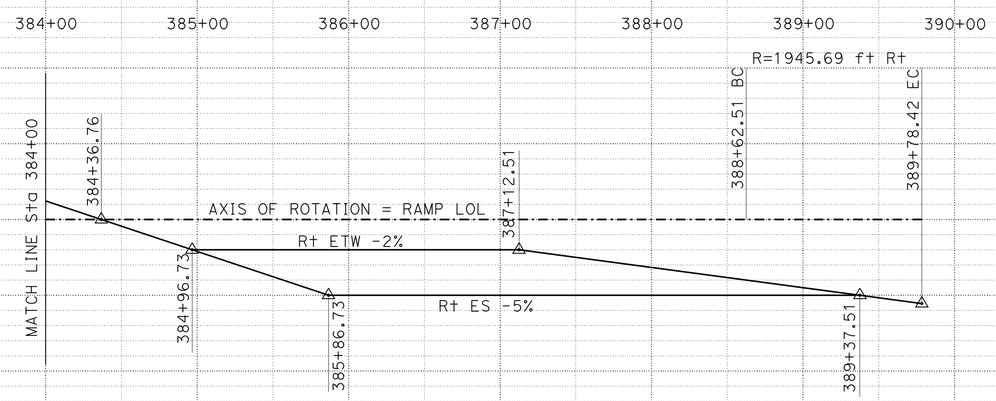
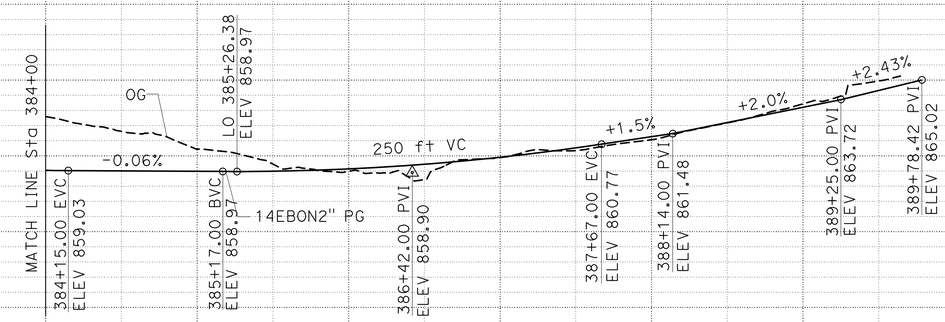



## SUPERELEVATION DIAGRAM

14TH St EB ENTRANCE RAMP




## PROFILE

14TH St EB ENTRANCE RAMP
"14EBON2" PROFILE

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-21**

| STATION | | 384+00 | 385+00 | 386+00 | 387+00 | 388+00 | 389+00 | 390+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | 1442 | | | | | | | |
| | Emb | 614 | | | | | | | |

REVISED BY | DATE REVISED
CUONG LE TRAN | ANNABELL WANG
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 04-21-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 80 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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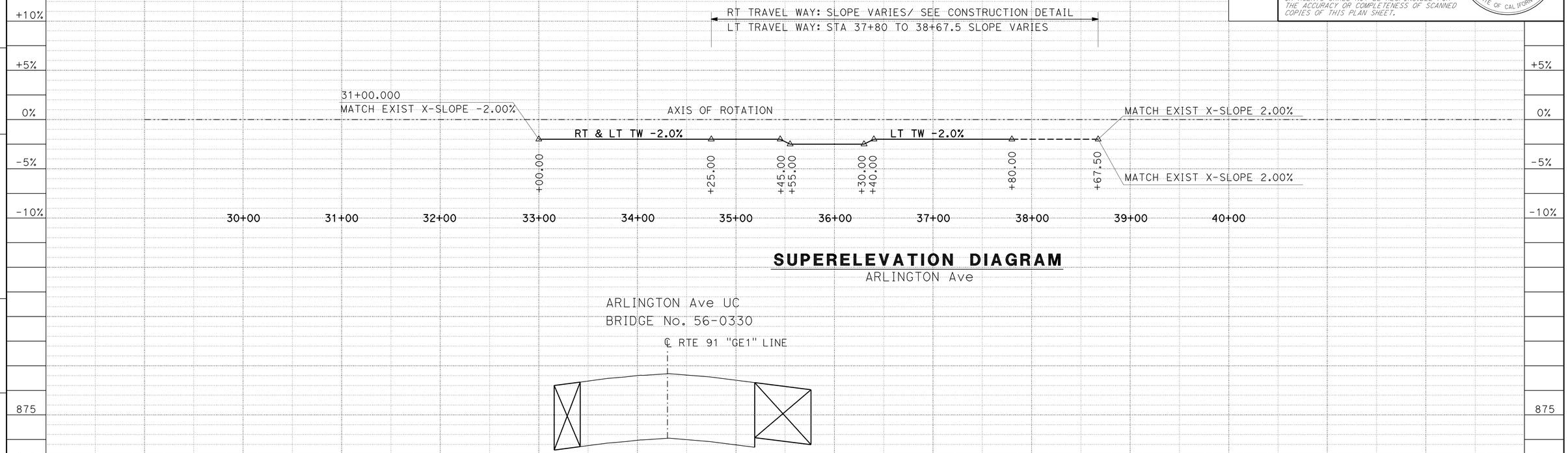
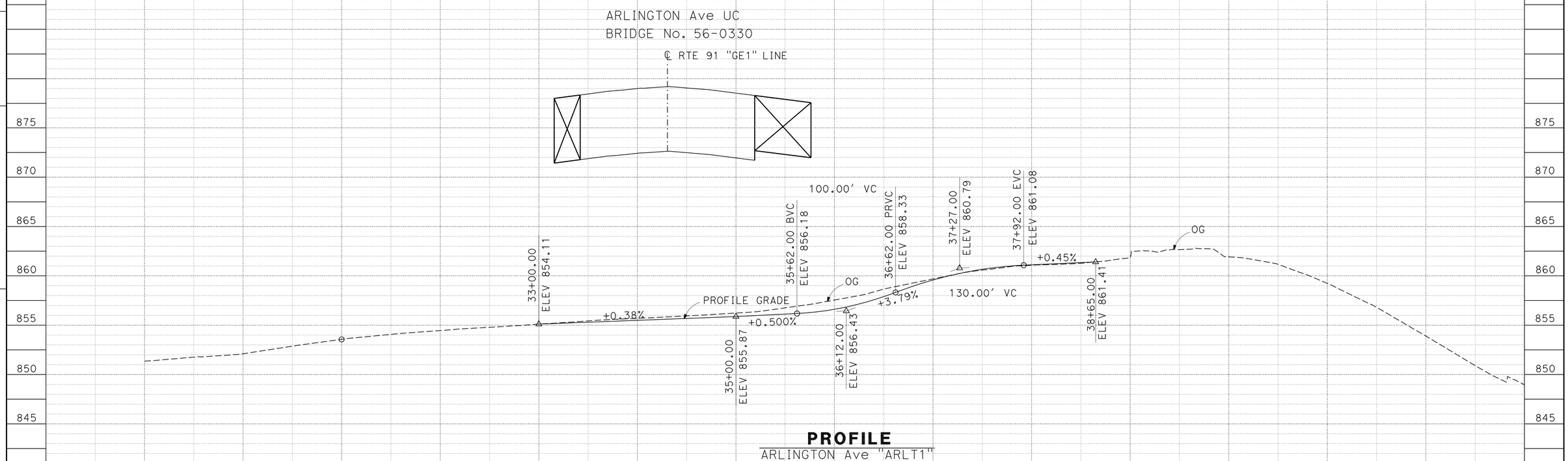



## SUPERELEVATION DIAGRAM
ARLINGTON Ave




## PROFILE
ARLINGTON Ave "ARLT1"

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-22**

| STATION | | 30+00 | 31+00 | 32+00 | 33+00 | 34+00 | 35+00 | 36+00 | 37+00 | 38+00 | 39+00 | 40+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | | 4214 | | | | | | |
| | Emb | | | | | | 1412 | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THOMAS HIEN NGO
CHECKED BY: THAI VAN HGUYEN
REVISED BY / DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 81 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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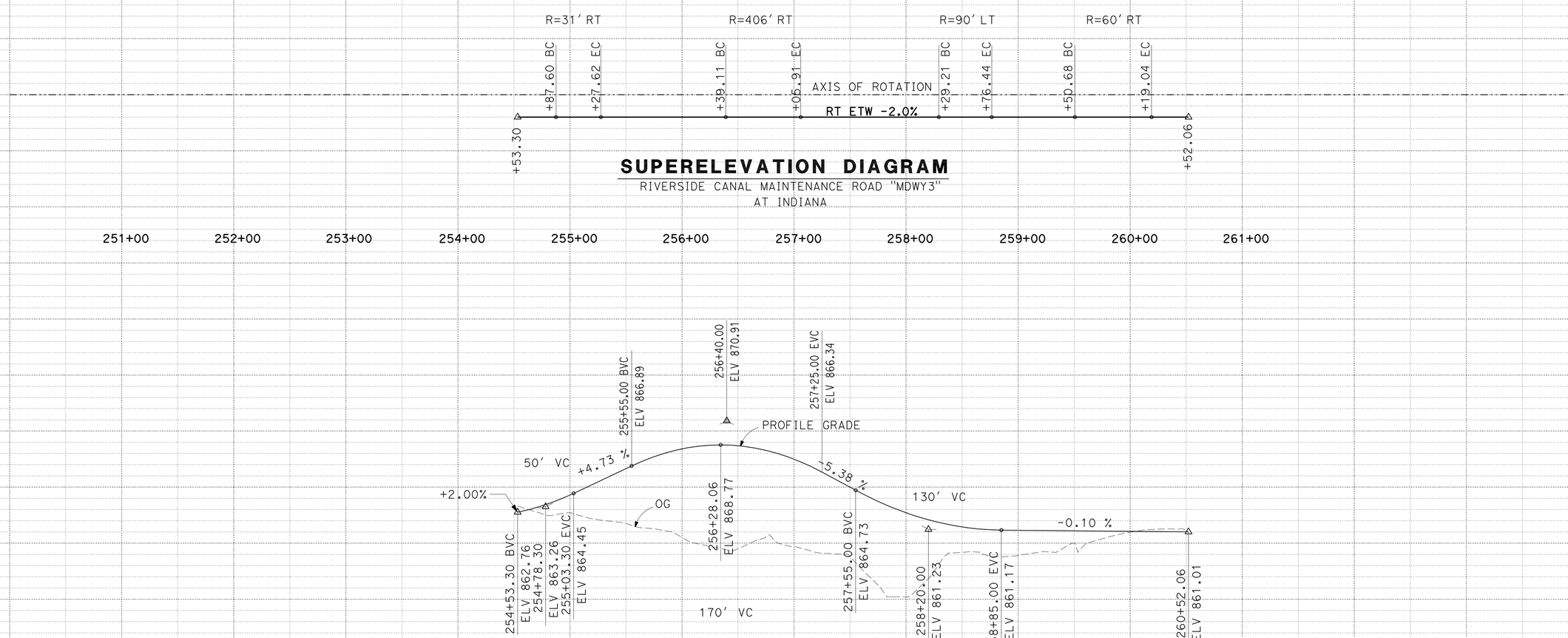


## SUPERELEVATION DIAGRAM

RIVERSIDE CANAL MAINTENANCE ROAD "MDWY3"
AT INDIANA




## PROFILE

RIVERSIDE CANAL MAINTENANCE ROAD "MDWY3"
AT INDIANA

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-23**

| STATION | | 251+00 | 252+00 | 253+00 | 254+00 | 255+00 | 256+00 | 257+00 | 258+00 | 259+00 | 260+00 | 261+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | 65.5 | | | | | | | |
| | Emb | | | | | 3363.2 | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:33

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 82 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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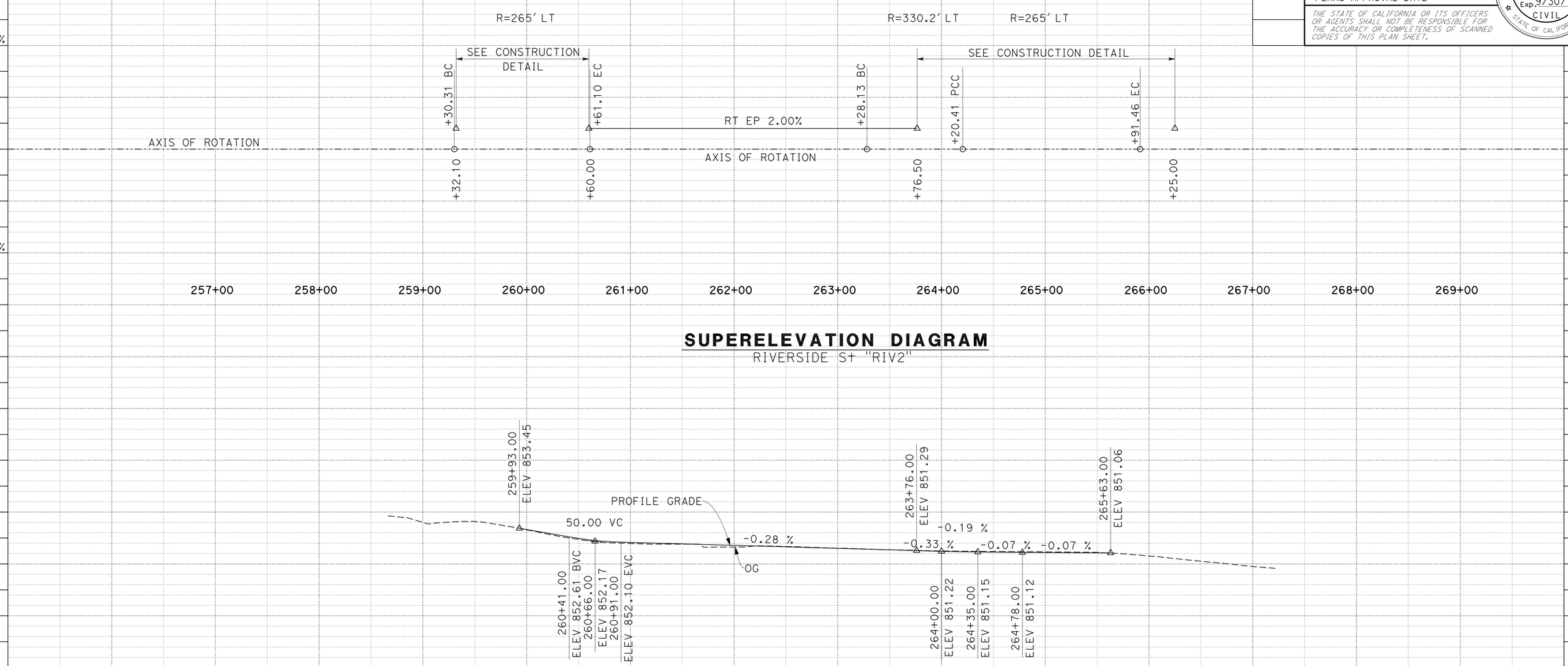


## SUPERELEVATION DIAGRAM

RIVERSIDE St "RIV2"




## PROFILE

RIVERSIDE St "RIV2"

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-24**

| STATION | | 257+00 | 258+00 | 259+00 | 260+00 | 261+00 | 262+00 | 263+00 | 264+00 | 265+00 | 266+00 | 267+00 | 268+00 | 269+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | | | 1182 | | | | | | | |
| | Emb | | | | | | | 366 | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 8:34

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 83 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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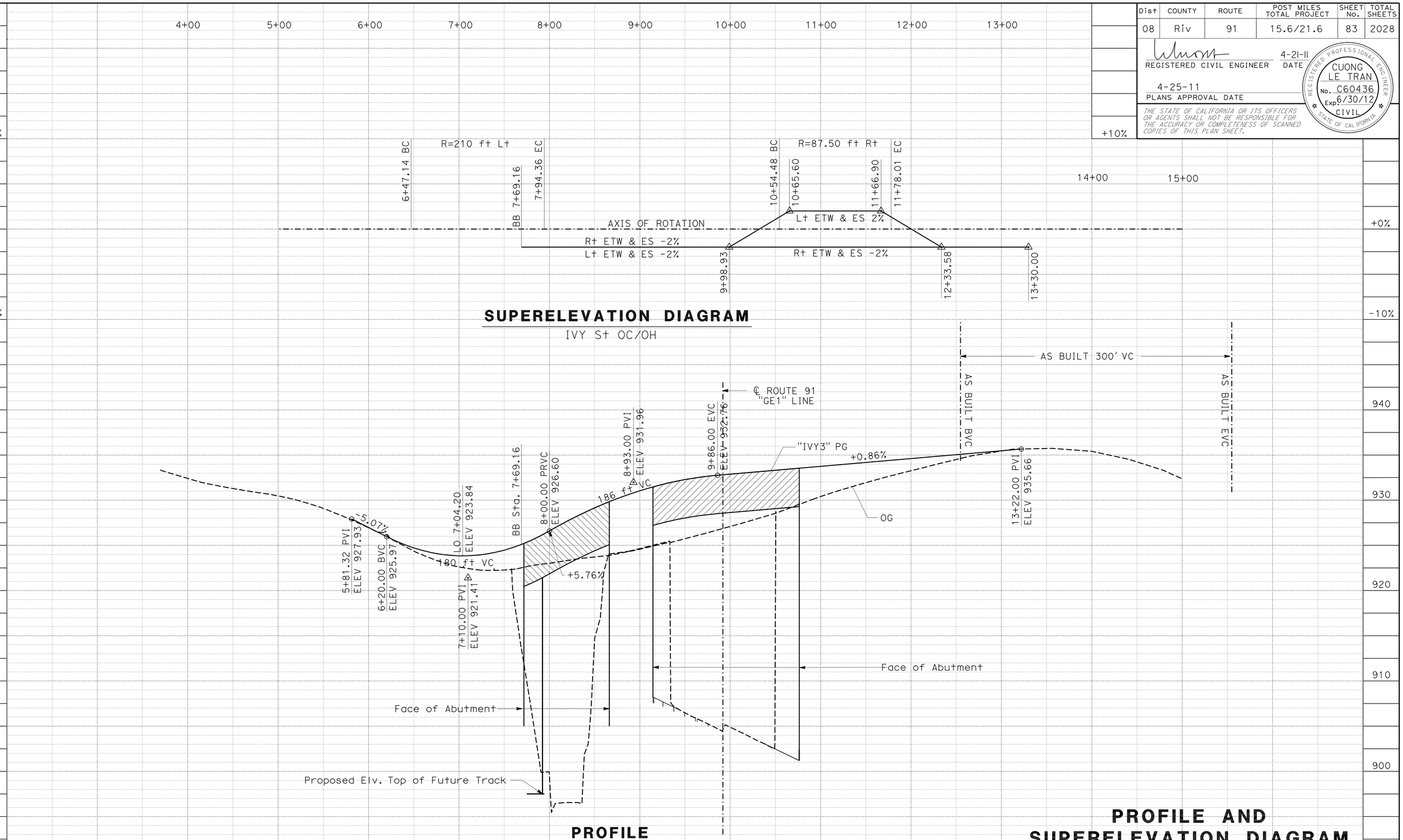


**PROFILE AND SUPERELEVATION DIAGRAM**

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-25**

| STATION | 4+00 | 5+00 | 6+00 | 7+00 | 8+00 | 9+00 | 10+00 | 11+00 | 12+00 | 13+00 | 14+00 | 15+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | 1050 | | | | | | | | | | |
| CY Emb | | | 2900 | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: CUONG LE TRAN
CHECKED BY: ANNABELL WANG

REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:34

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 84 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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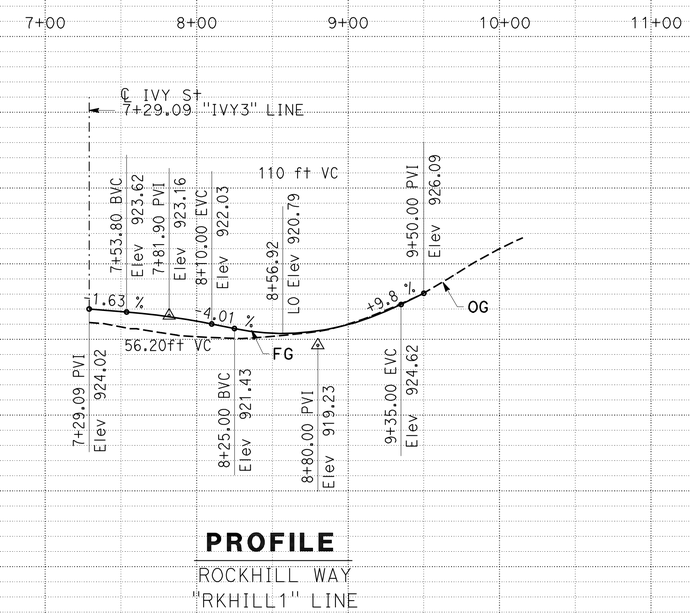


**PROFILE**

ROCKHILL WAY
"RKHILL1" LINE

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 20'

**PS-26**

| STATION | | 7+00 | 8+00 | 9+00 | 10+00 | 11+00 | TOTAL |
|---|---|---|---|---|---|---|---|
| CY | Exc | | 200 | | | | |
| | Emb | | 1100 | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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CALCULATED-DESIGNED BY: CUONG LE TRAN
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REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:34

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 85 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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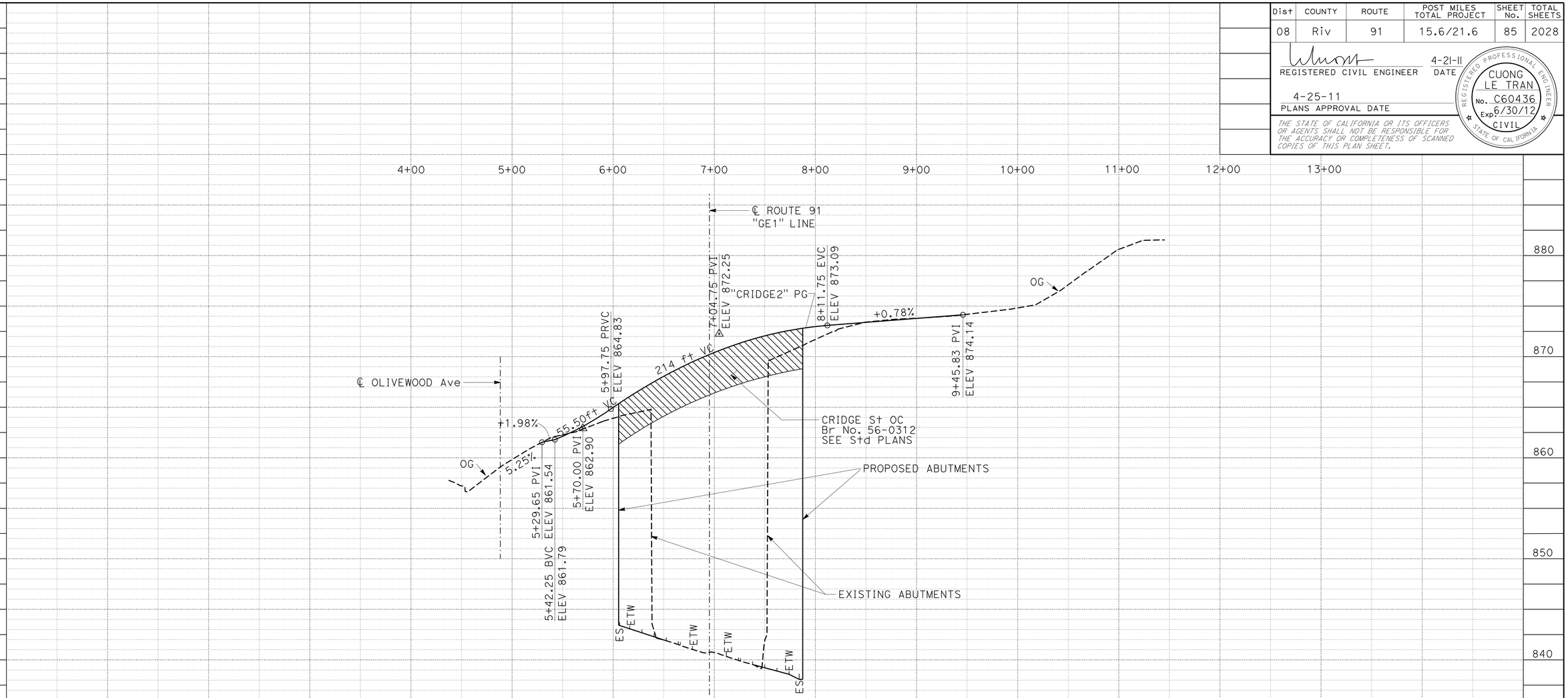


## PROFILE

CRIDGE ST OC
"CRIDGE2" PROFILE

# PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-27**

| STATION | | 4+00 | 5+00 | 6+00 | 7+00 | 8+00 | 9+00 | 10+00 | 11+00 | 12+00 | 13+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | 1200 | | | | | | | | |
| | Emb | | | 250 | | | | | | | | |

REVISED BY | DATE REVISED

CUONG LE TRAN | ANNABELL WANG

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 04-21-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:34

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 86 | 2028 |

REGISTERED CIVIL ENGINEER 4-21-11 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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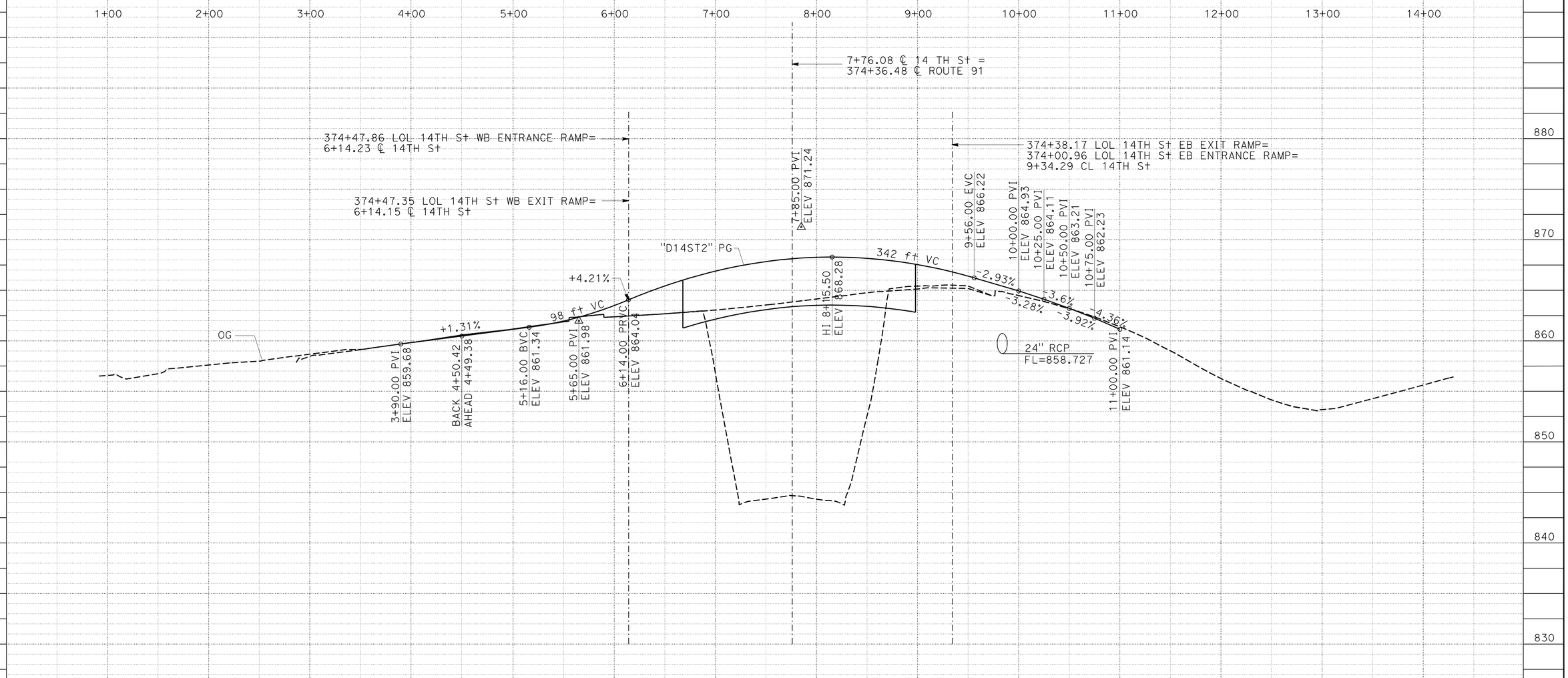



## PROFILE

14TH St OC
"D14ST2" PROFILE

## PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=100'
Vert 1"= 10'

**PS-28**

| STATION | | 1+00 | 2+00 | 3+00 | 4+00 | 5+00 | 6+00 | 7+00 | 8+00 | 9+00 | 10+00 | 11+00 | 12+00 | 13+00 | 14+00 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | 100 | | | | | | | | | | | |
| | Emb | | | | 520 | | | | | | | | | | | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: CUONG LE TRAN
CHECKED BY: ANNABELL WANG
REVISED BY
DATE REVISED

LAST REVISION 04-21-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:34

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 87 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 4-21-11

PLANS APPROVAL DATE 4-25-11

REGISTERED PROFESSIONAL ENGINEER — THOMAS HIEN NGO No. 68383 Exp. 9/30/11 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. SEE CONSTRUCTION DETAILS SHEETS C-1 TO C-20 FOR REMOVAL LIMITS.
2. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

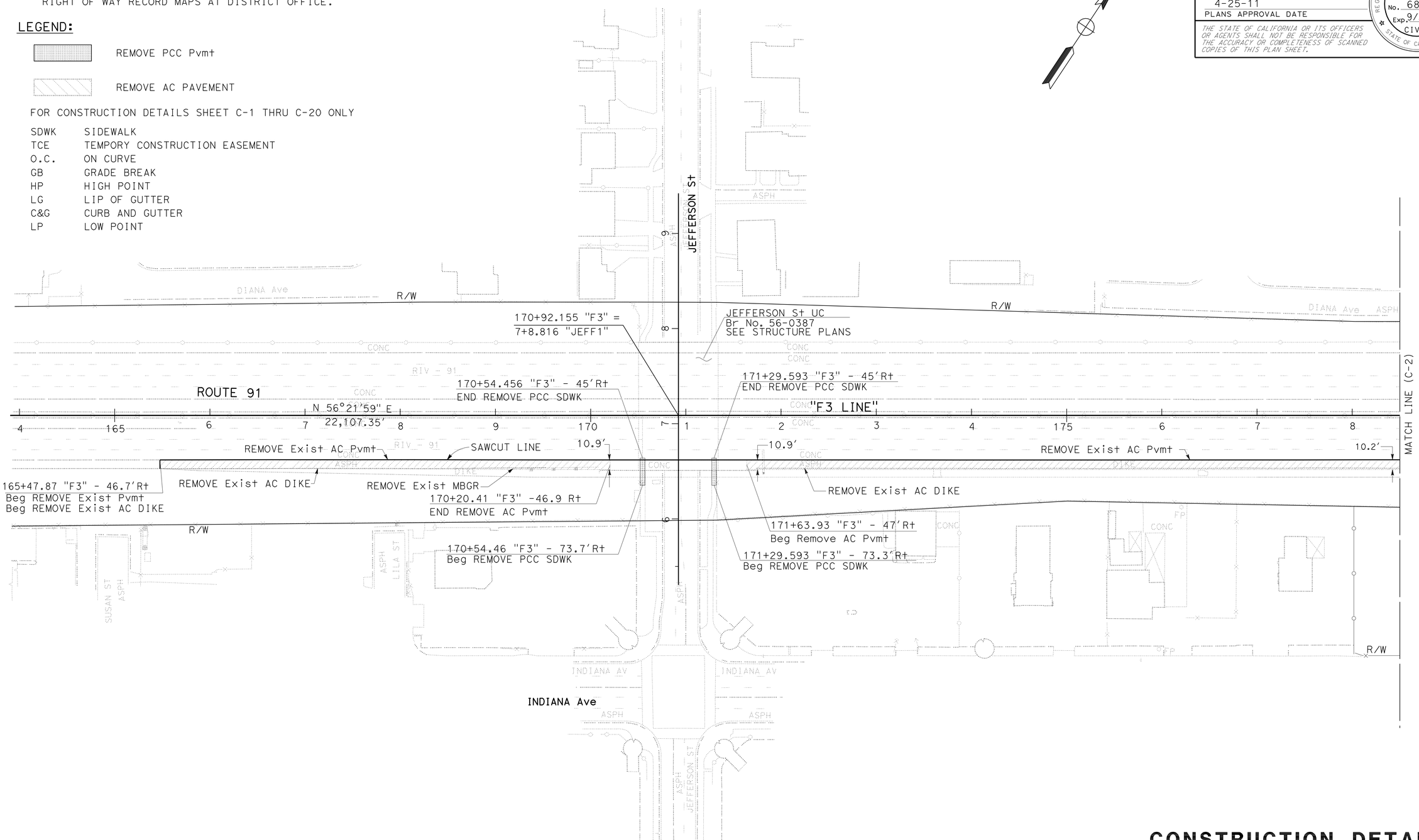
## LEGEND:

REMOVE PCC Pvmt

REMOVE AC PAVEMENT

FOR CONSTRUCTION DETAILS SHEET C-1 THRU C-20 ONLY

| | |
|---|---|
| SDWK | SIDEWALK |
| TCE | TEMPORY CONSTRUCTION EASEMENT |
| O.C. | ON CURVE |
| GB | GRADE BREAK |
| HP | HIGH POINT |
| LG | LIP OF GUTTER |
| C&G | CURB AND GUTTER |
| LP | LOW POINT |




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: THAI VAN HGUYEN — CHECKED BY: THOMAS HIEN NGO

REVISED BY — DATE REVISED

LAST REVISION 04-21-11 — DATE PLOTTED => 29-APR-2011 — TIME PLOTTED => 18:26

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 88 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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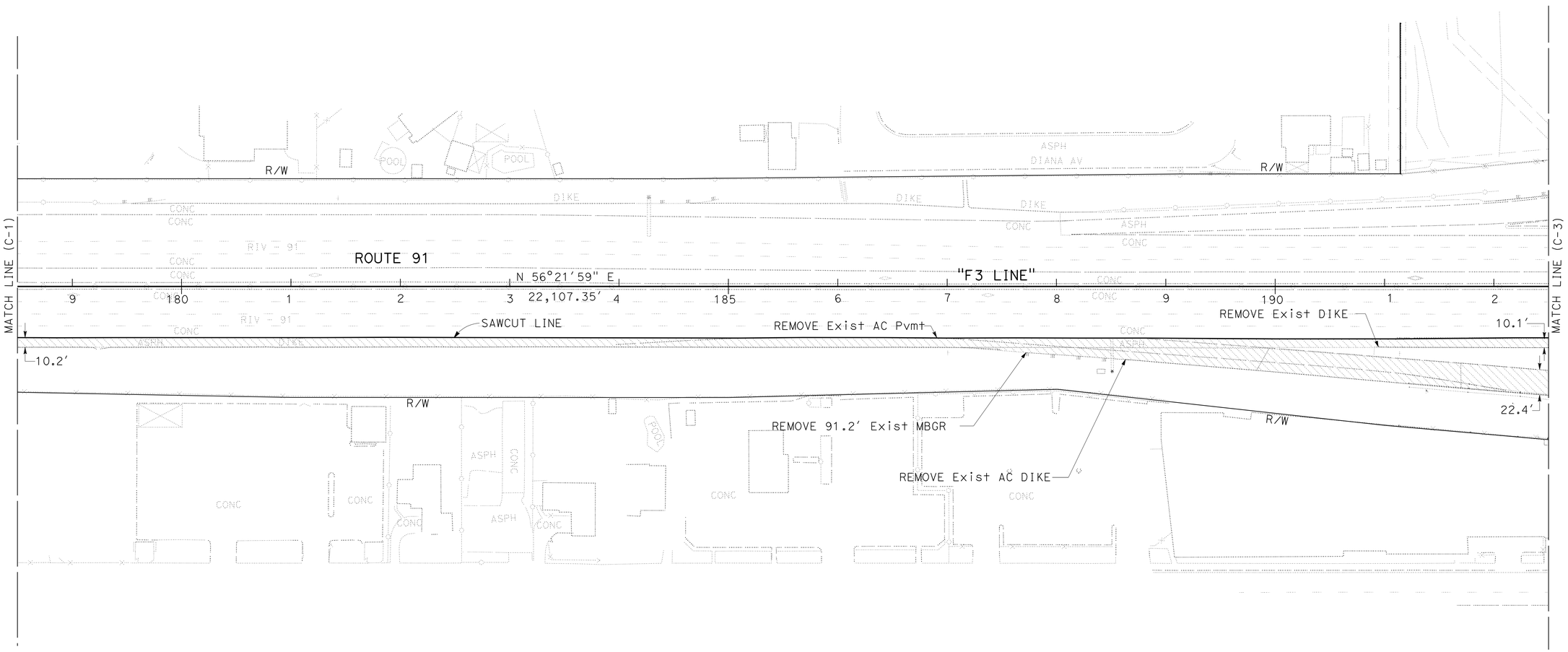
NOTE:

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




# CONSTRUCTION DETAILS
## (REMOVALS)
SCALE: 1" = 50'

**C-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:26

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 89 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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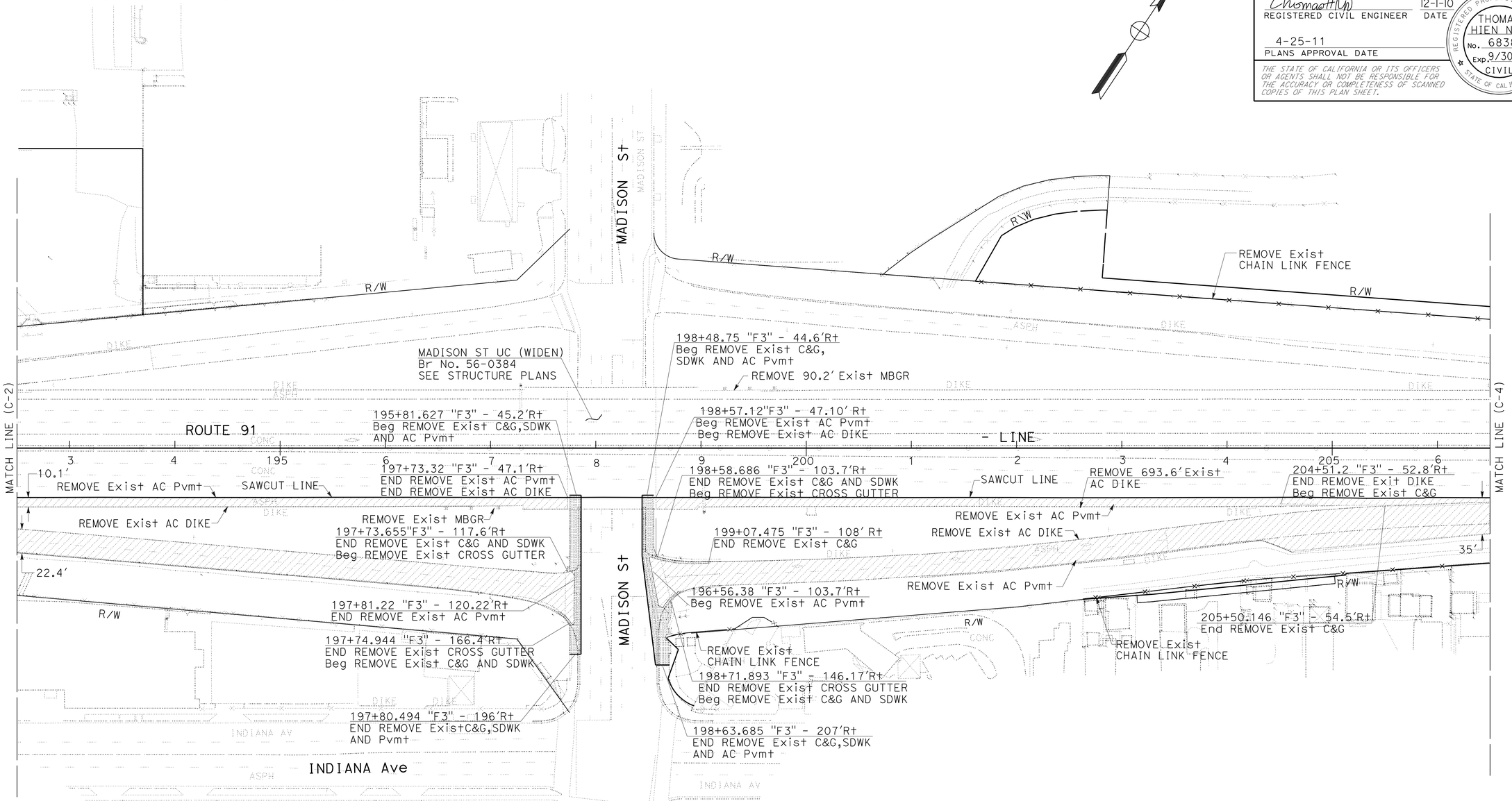
**NOTE:**

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




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 90 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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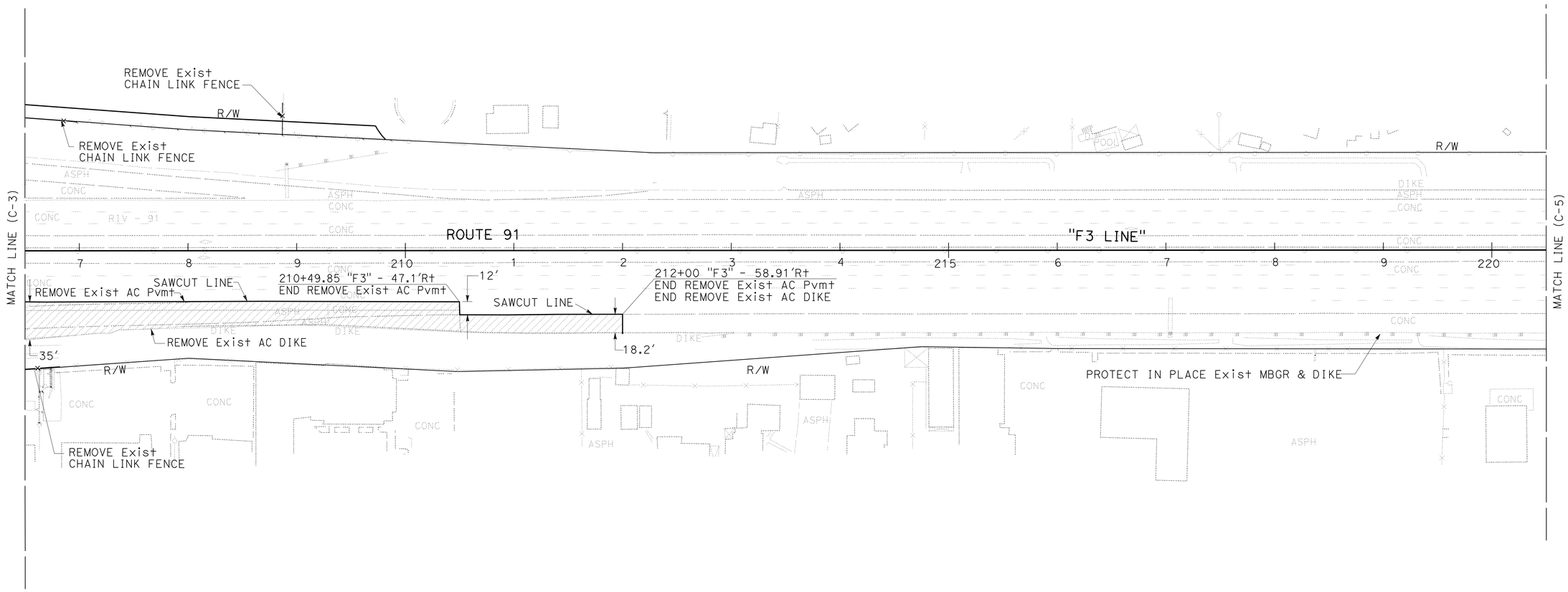
**NOTE:**

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




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 91 | 2028 |

REGISTERED CIVIL ENGINEER — DATE 12-1-10

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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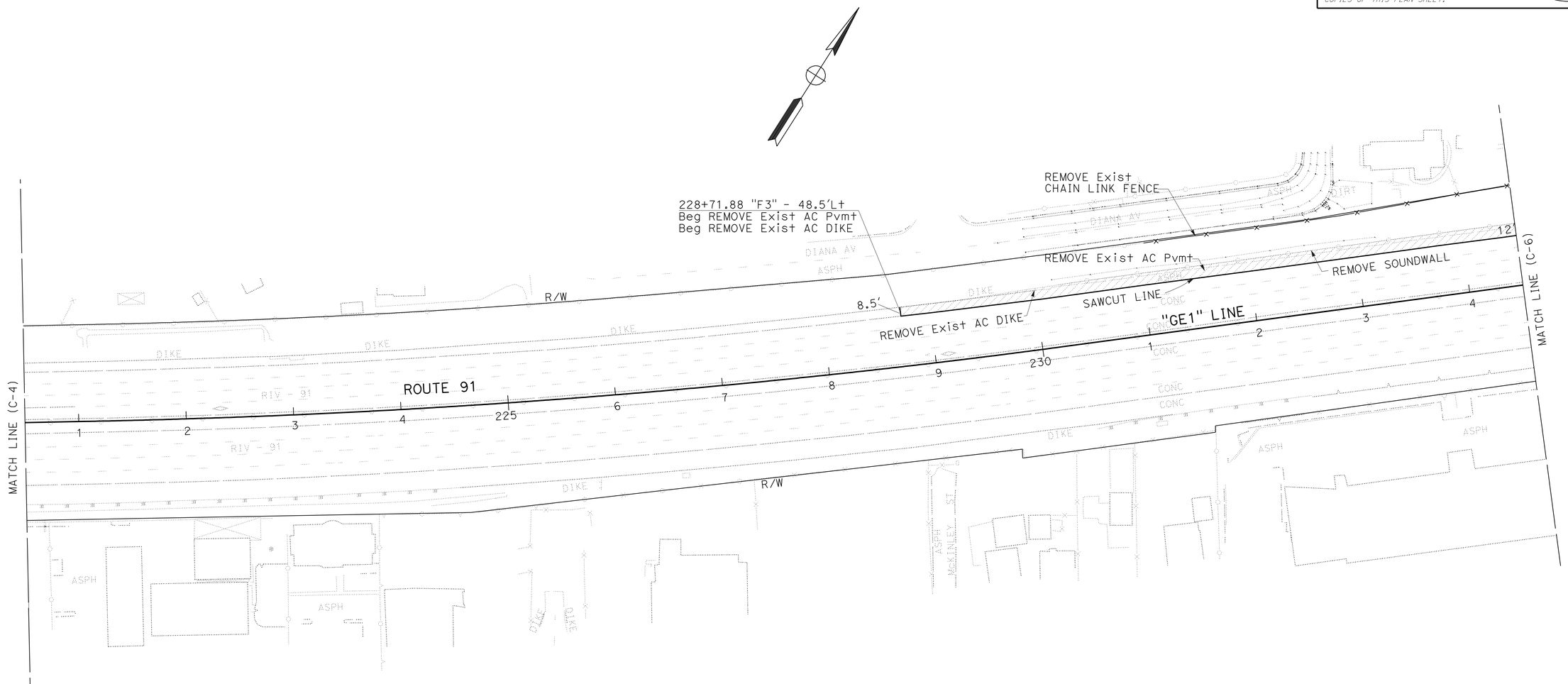
**NOTE:**

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




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-5**

THAI VAN HGUYEN — REVISED BY
THOMAS HIEN NGO — DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 92 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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**NOTE:**

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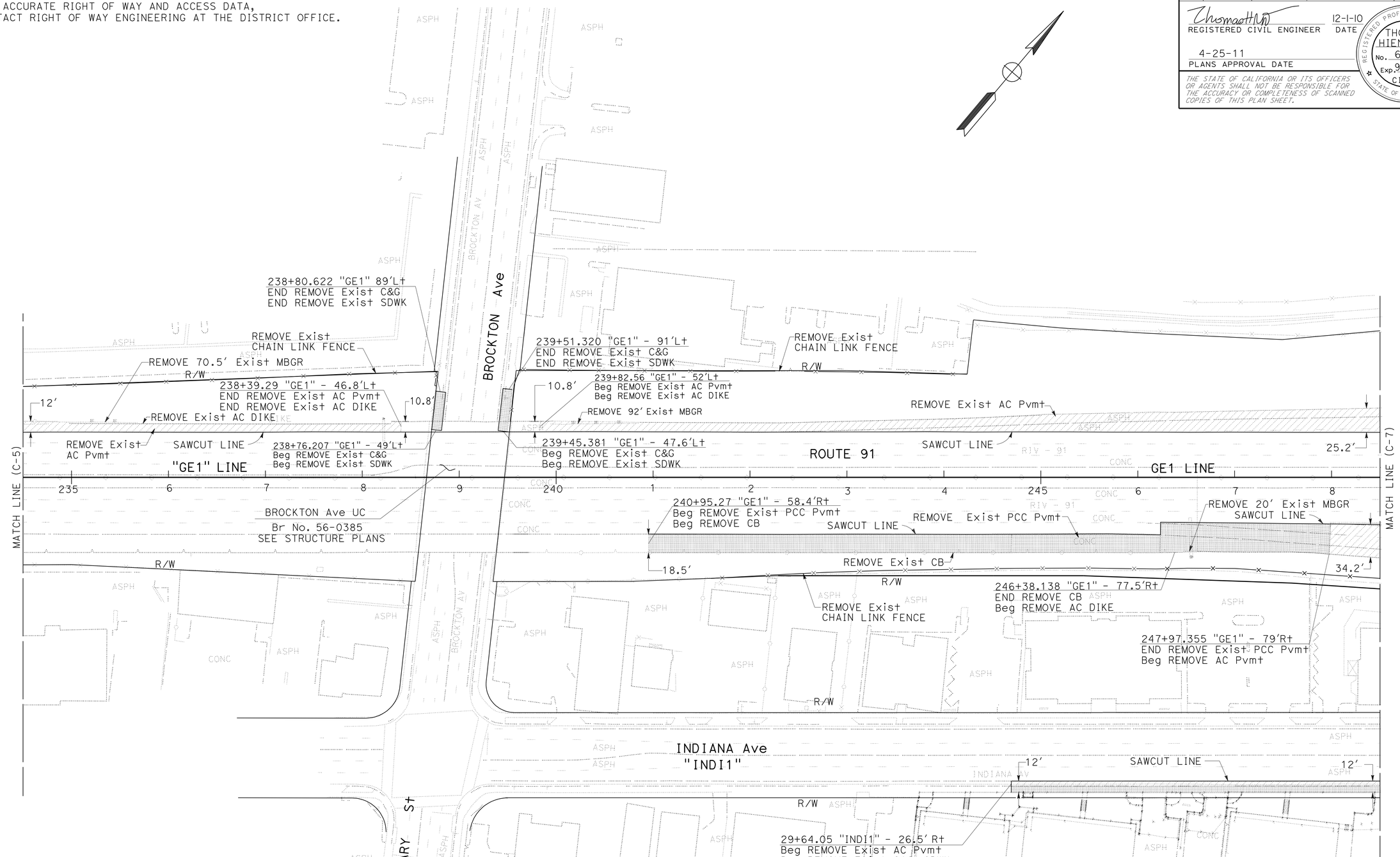
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-6**

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | CHECKED BY |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 93 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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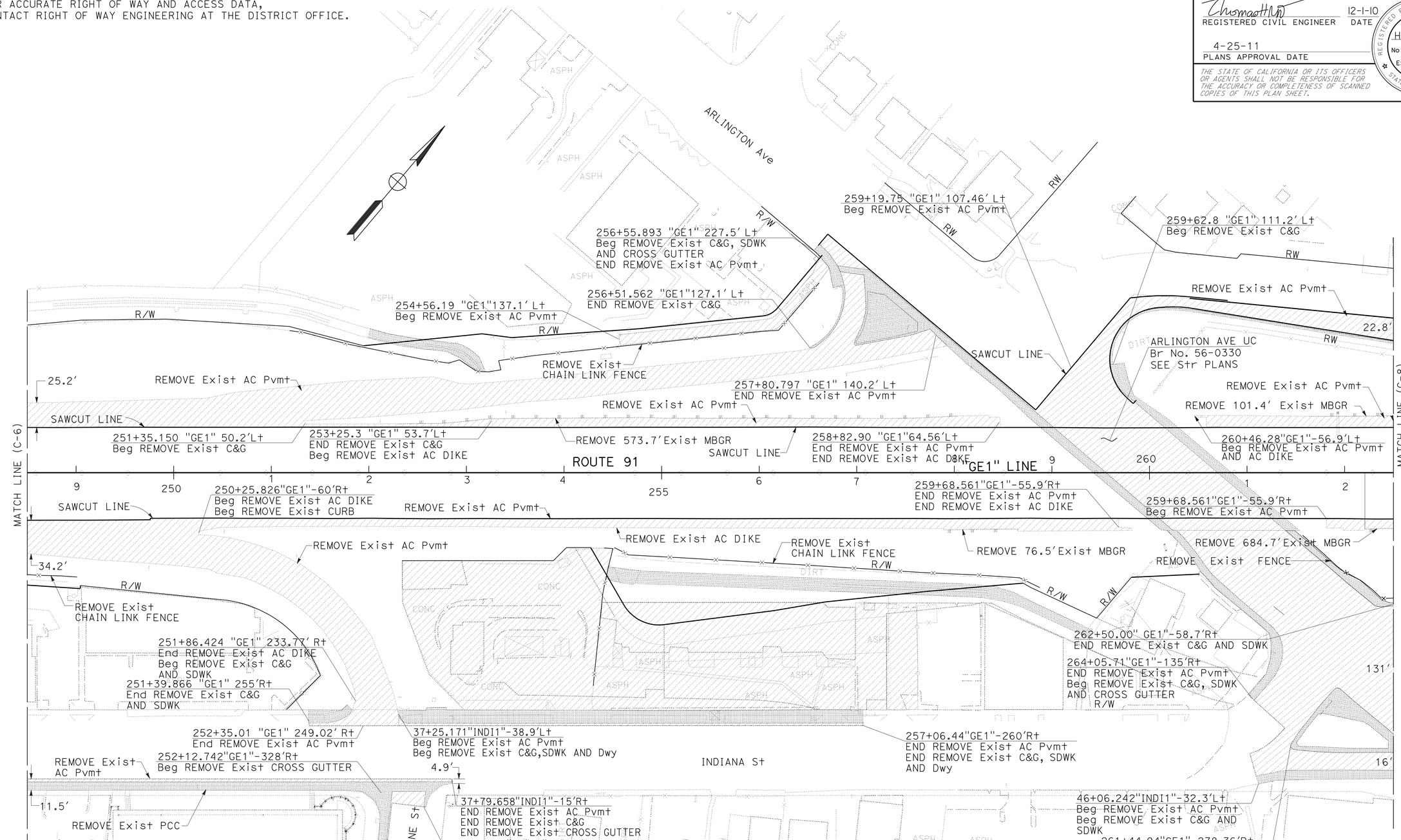
**NOTE:**

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




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-7**

| REVISED BY | DATE REVISED |
|---|---|
| THAI VAN HGUYEN | THOMAS HIEN NGO |

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 94 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER THOMAS HIEN NGO No. 68383 Exp. 9/30/11 CIVIL STATE OF CALIFORNIA

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**NOTE:**

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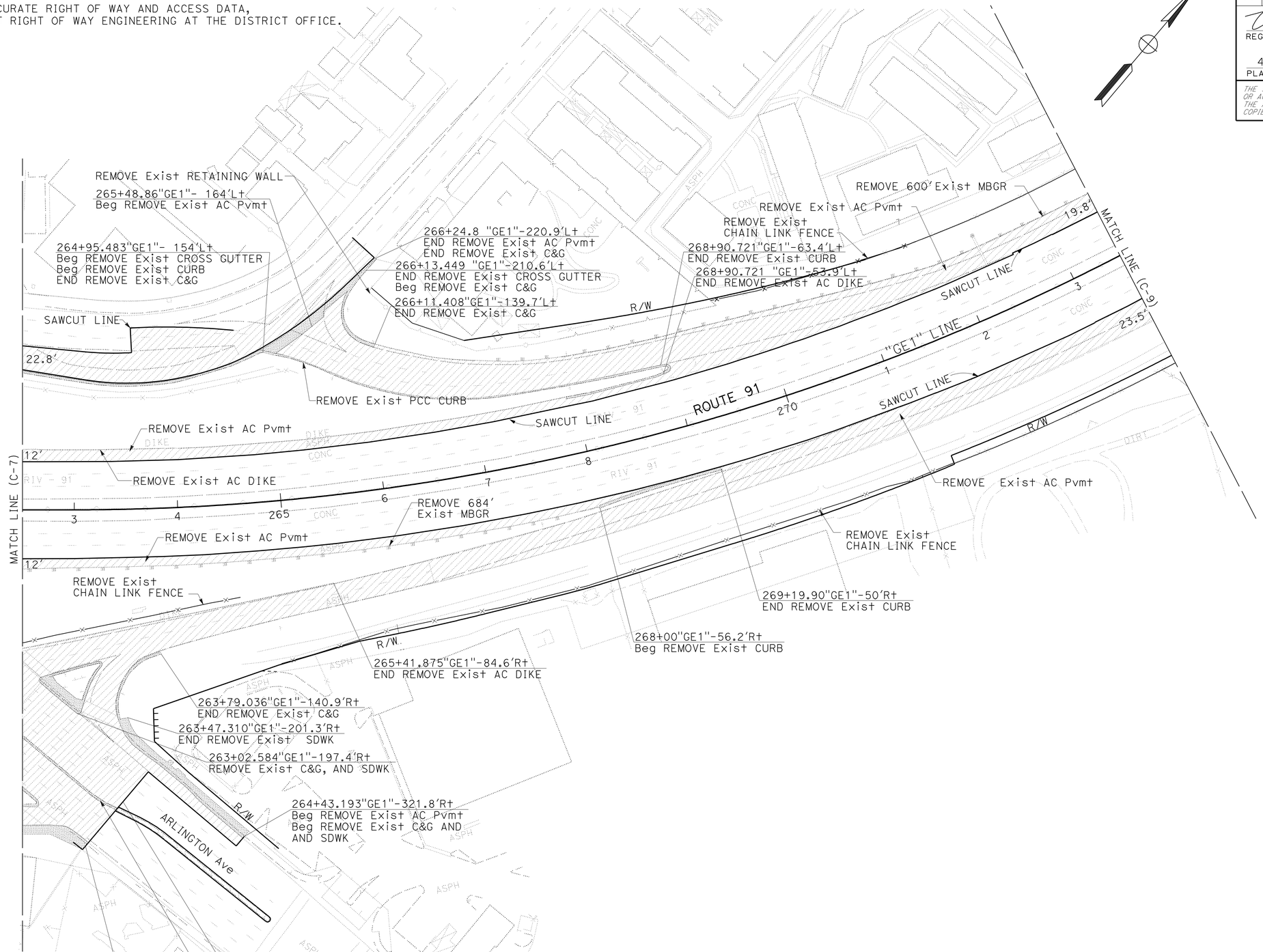


# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: THAI VAN HGUYEN
CHECKED BY: THOMAS HIEN NGO
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 95 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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NOTE:

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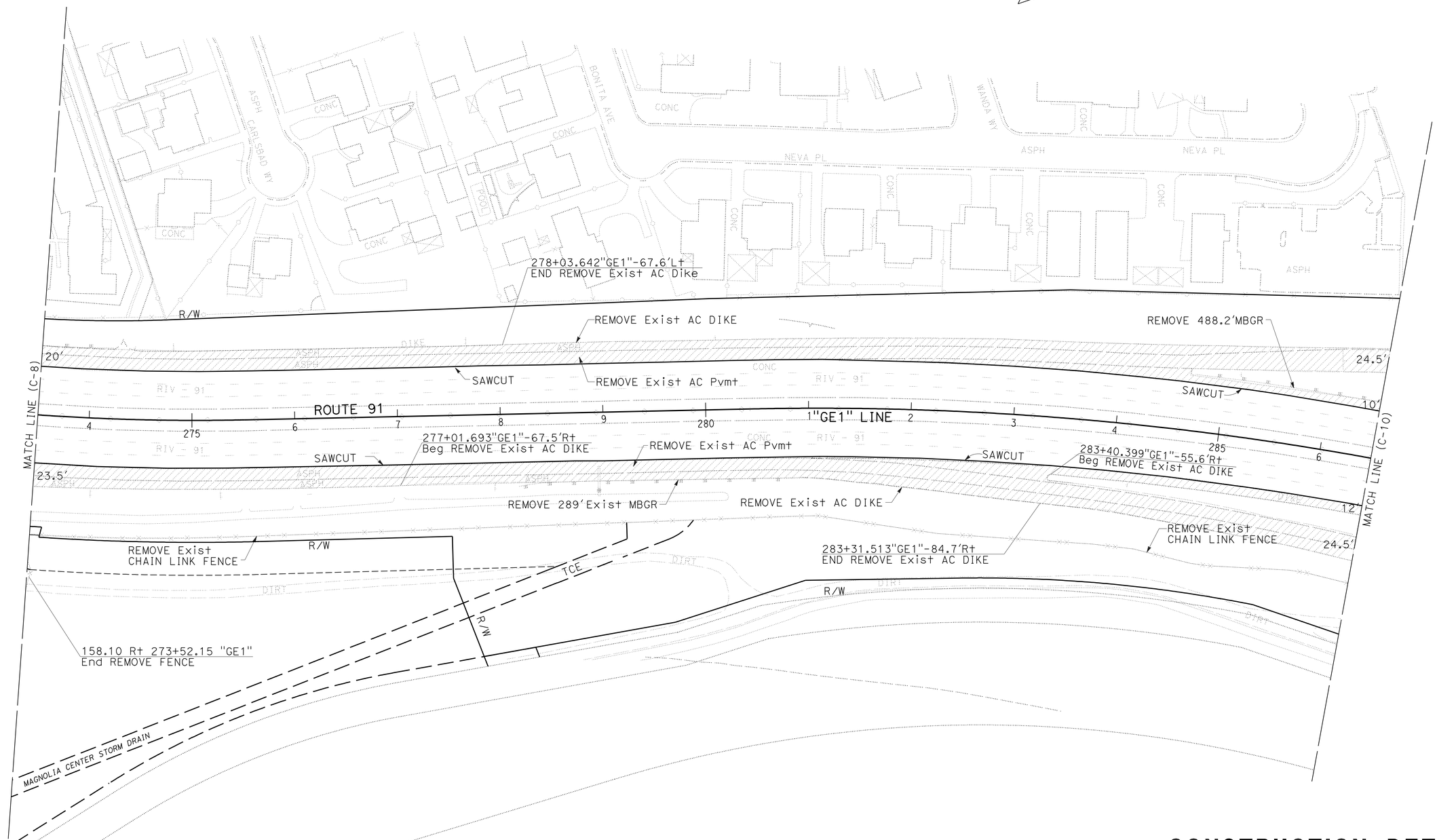
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: ANNABELL WANG
CHECKED BY: CUONG LE TRAN
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 96 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp 6/30/12 CIVIL STATE OF CALIFORNIA

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**NOTE:**

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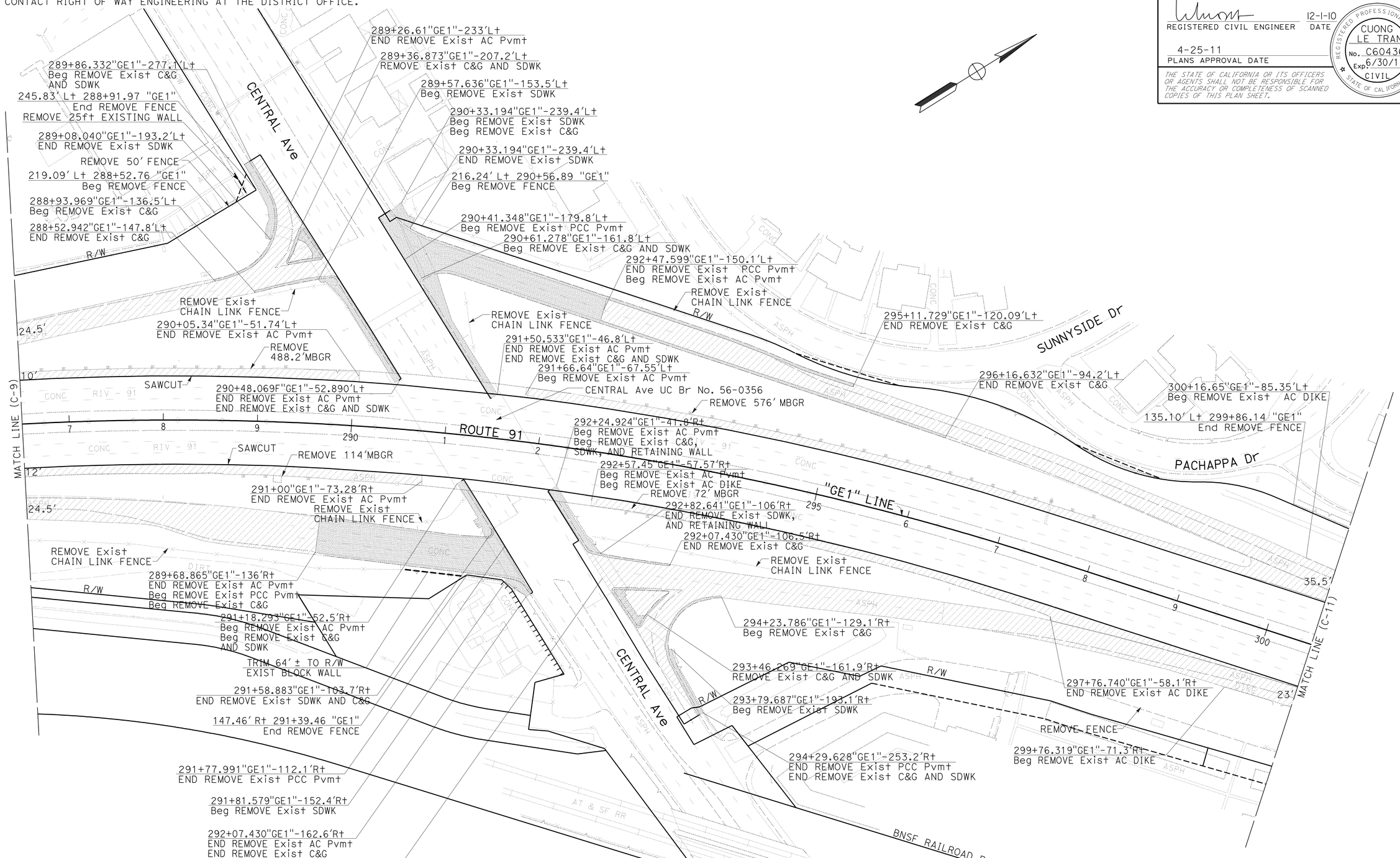


# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-10**

| REVISED BY | DATE REVISED |
|---|---|
| CUONG LE TRAN | ANNABELL WANG |
| CALCULATED-DESIGNED BY | CHECKED BY |
| FUNCTIONAL SUPERVISOR | MARK PERTILE |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **DESIGN**

LAST REVISION 12-01-10 | DATE PLOTTED => 30-APR-2011 | TIME PLOTTED => 06:04

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 97 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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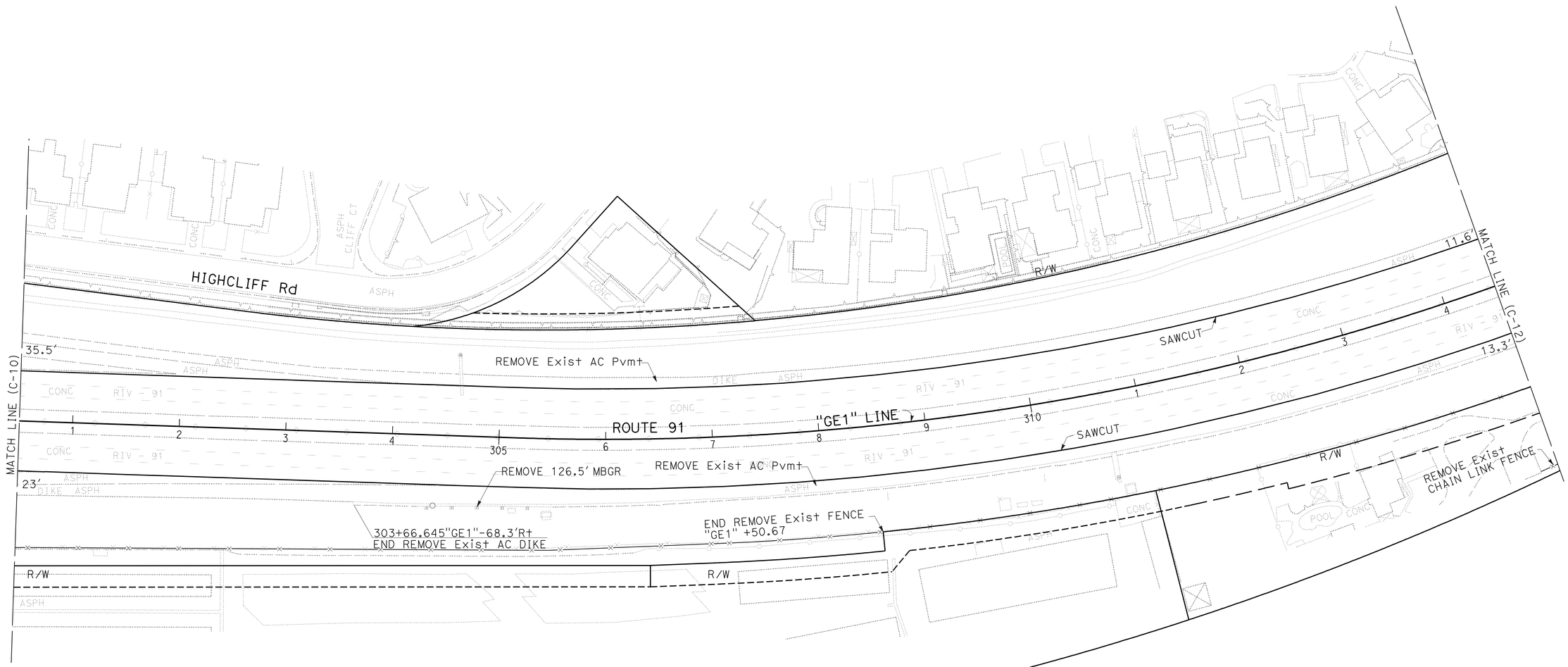
**NOTE:**

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




# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CUONG LE TRAN
ANNABELL WANG
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:27

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 98 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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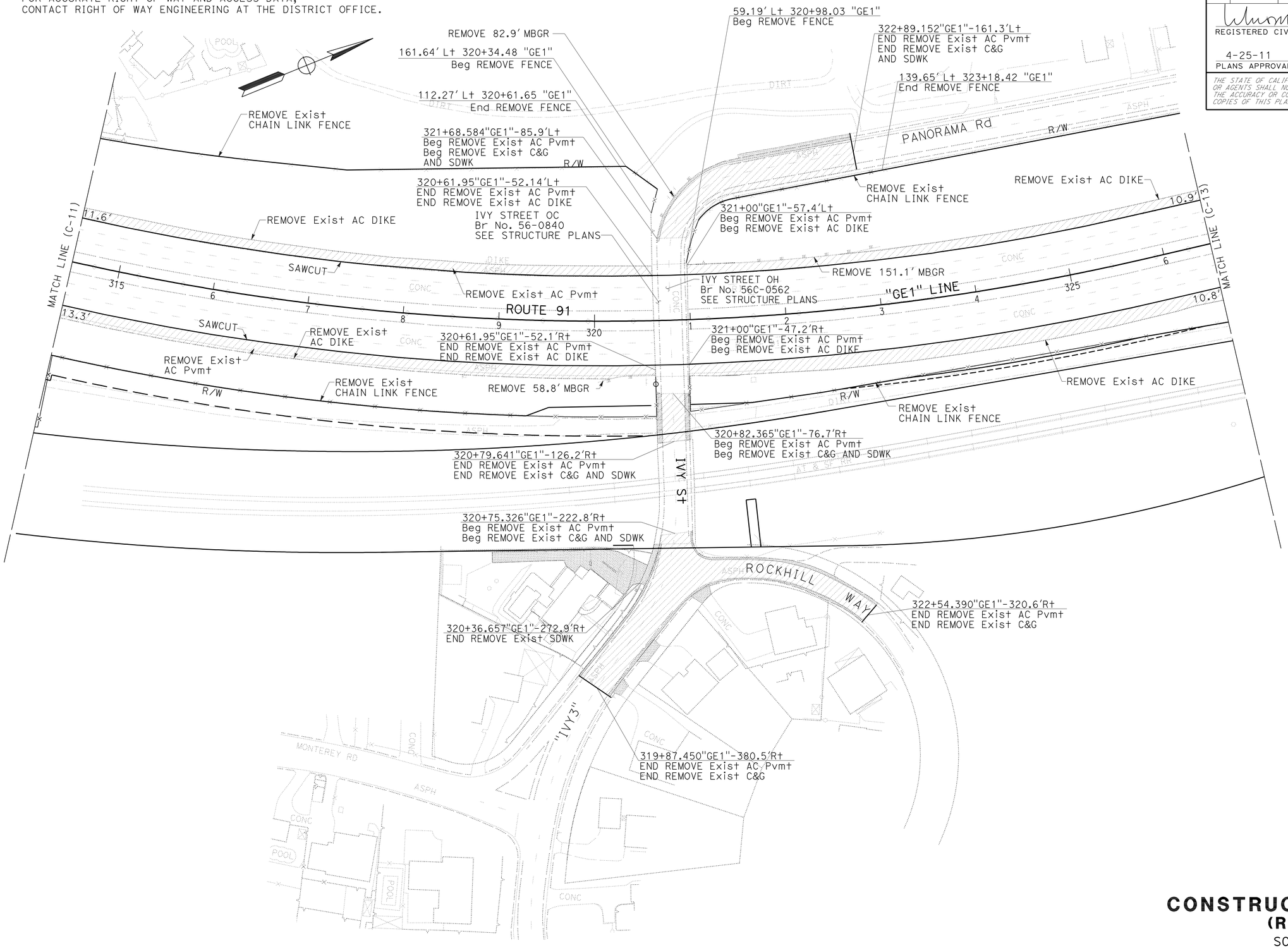


# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-12**

| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | REVISED BY | DATE REVISED |
|---|---|---|
| Caltrans® DESIGN | CUONG LE TRAN | ANNABELL WANG |
| FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY |
| MARK PERTILE | | |

LAST REVISION 12-01-10 DATE PLOTTED => 29-APR-2011 TIME PLOTTED => 18:28

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 99 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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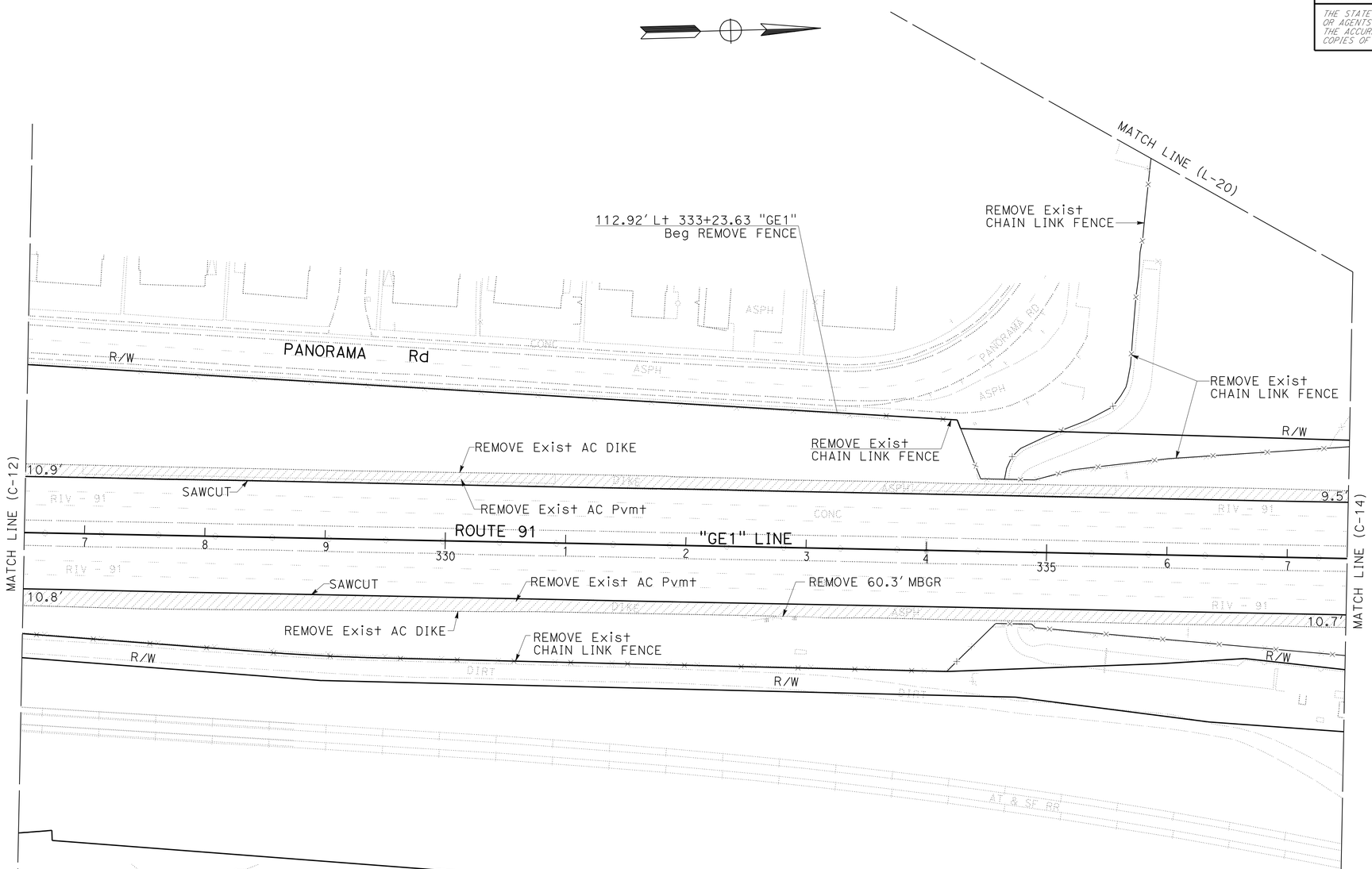


# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:28

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 08 | Riv | 91 | 15.6/21.6 | 100 | 2028 |

REGISTERED CIVIL ENGINEER 12-1-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CUONG LE TRAN No. C60436 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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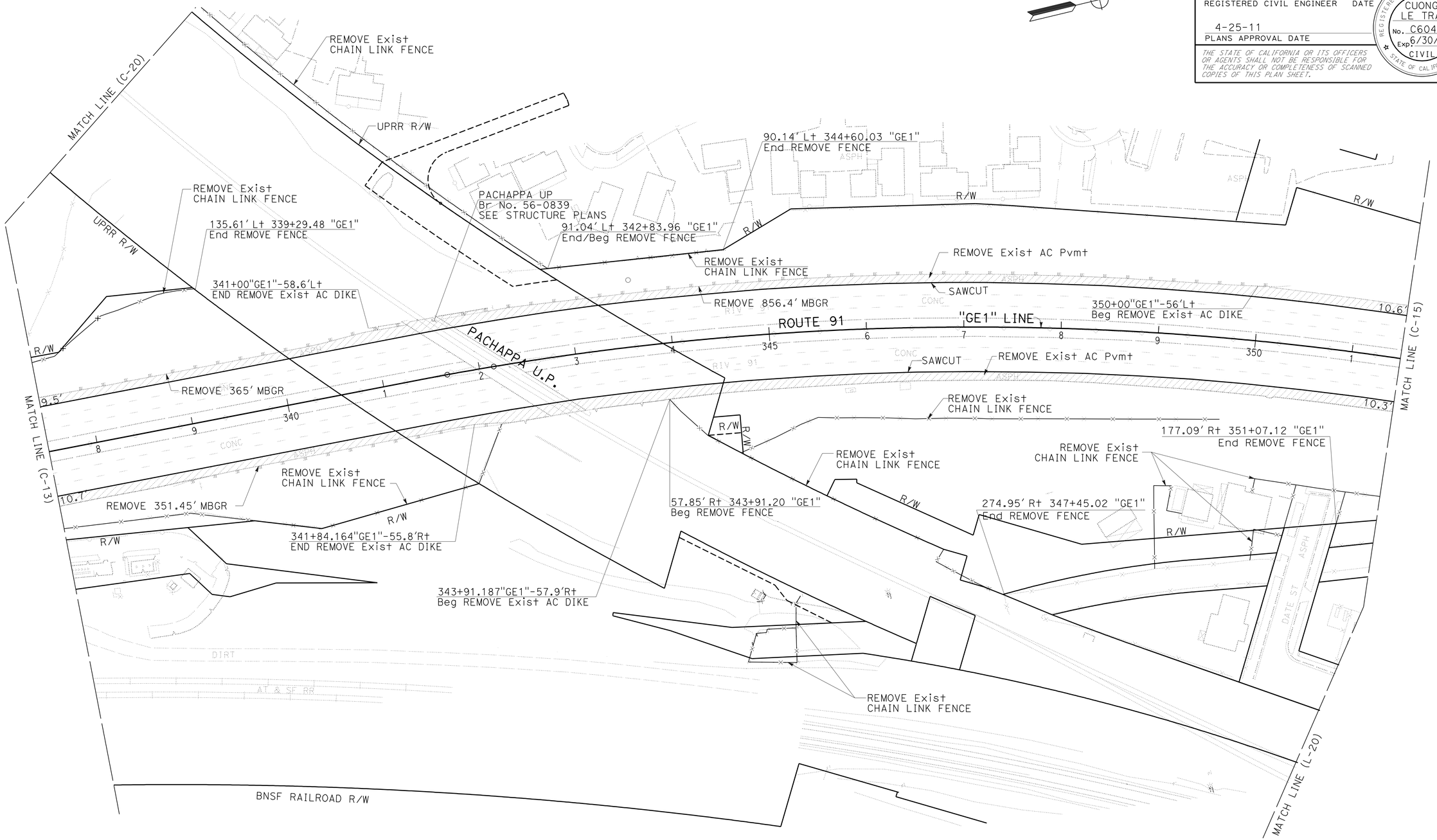


# CONSTRUCTION DETAILS
## (REMOVALS)

SCALE: 1" = 50'

**C-14**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:28