Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	1	751

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN MERCED COUNTY
NEAR MERCED FROM BUCHANAN HOLLOW ROAD TO 0.3 MILE NORTH OF McHENRY ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS

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587-589	MARIPOSA CREEK BRIDGE, WEST FRONTAGE ROAD
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627-642	DUCK SLOUGH BRIDGE LEFT
643-658	DUCK SLOUGH BRIDGE RIGHT
659-676	DUCK SLOUGH OVERFLOW BRIDGE L/R
677-690	MARIPOSA CREEK BRIDGE L/R
691-694	BOX CULVERT @ MP 6.49
695-708	DEADMAN CREEK BRIDGE
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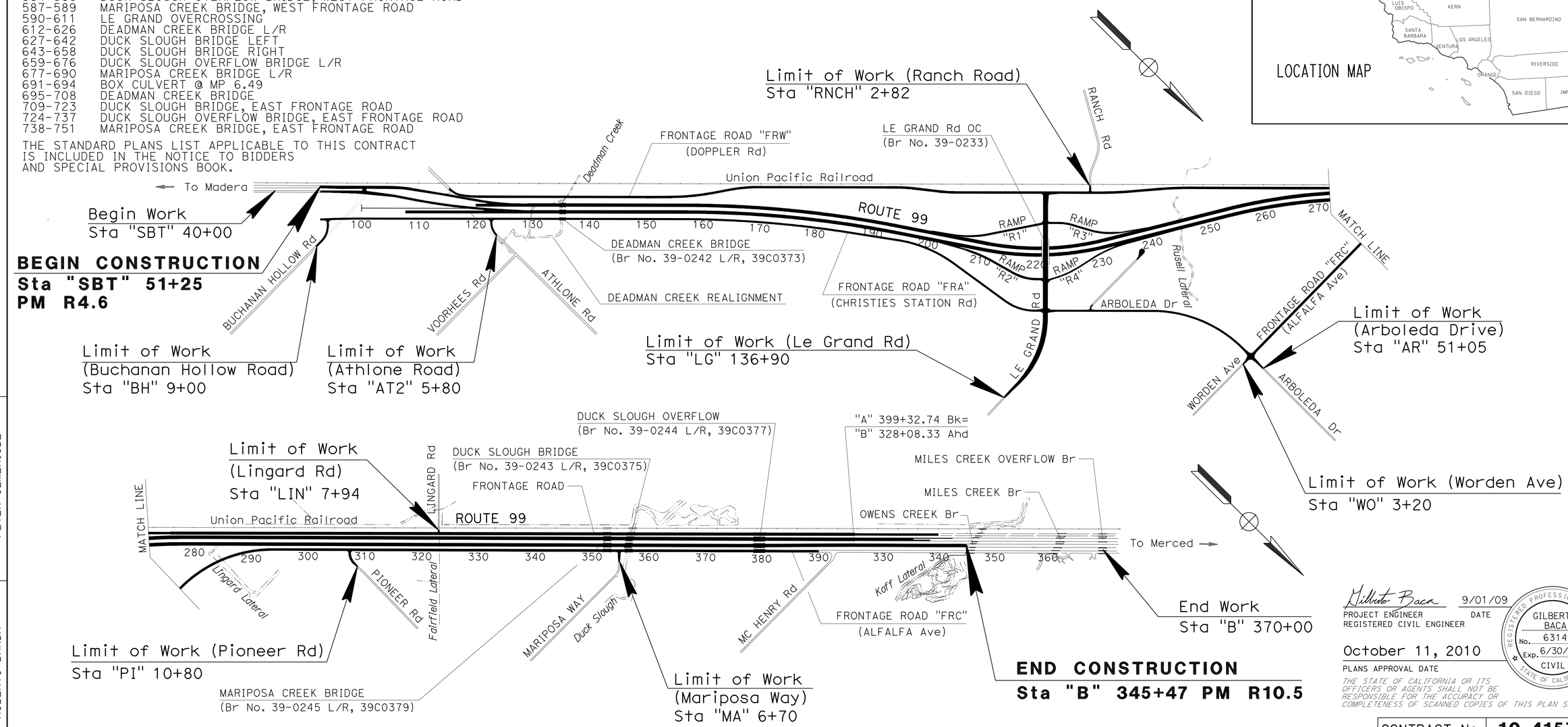
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

LOCATION MAP



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

NO SCALE

Gilberto Baca 9/01/09
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

October 11, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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 PETER JEMERIGBE
DESIGN ENGINEER ROBERTO BANDA

LAST REVISION 09-01-09
DATE PLOTTED => 14-OCT-2010
TIME PLOTTED => 13:23

CONTRACT No.	10-415704
PROJECT ID	1000000430

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	2	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR LOCATION AND TYPE OF DIKES, CURBS, GUARD RAILING AND FENCE SEE LAYOUT PLANS AND SUMMARY OF QUANTITIES.
4. SLOPE ROUNDING & CONTOUR GRADING AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. PROFILE AND SUPERELEVATION OF "SBT" & "NBT" ARE CONTROLLED BY "A" LINE PROFILE AND SUPERELEVATION.
6. FOR LOCATION OF SHOULDER RUMBLE STRIP SEE SUMMARY OF QUANTITIES AND CONSTRUCTION DETAILS.

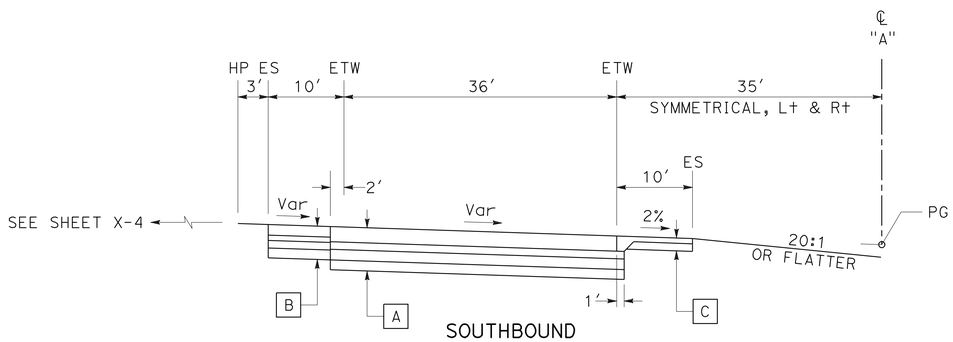
DESIGN DESIGNATION

2006 ADT	43,500	% TRUCKS	19.0
2033 ADT	73,200	TI	15.0
DHV	7800		
D	55%		

ABBREVIATION

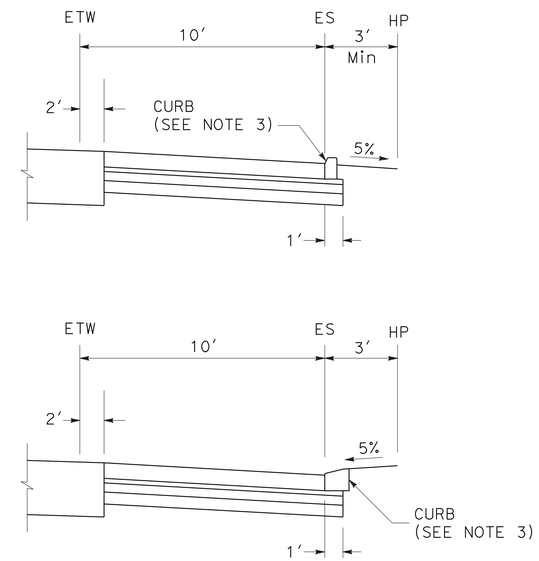
LTS LIME TREATED SUBBASE

CTSB CEMENT TREATED SUBBASE



SOUTHBOUND
Sta "A" 254+35.00 TO 279+95.00

NORTHBOUND
Sta "A" 209+80.00 TO 233+95.50



CURB LOCATIONS

STRUCTURAL SECTIONS

A
- 1.00′ CRCP
- 0.25′ HMA (TYPE A)
- 0.70′ CI 4 AS
- 0.65′ LTS

B
- 0.85′ JPCP
- 0.25′ HMA (TYPE A)
- 0.50′ CI 4 AS
- 0.65′ LTS

C
- 0.35′ HMA (TYPE A)
- 0.50′ CI 2 AB

D
- 0.40′ HMA (TYPE A)
- 0.90′ CI 2 AB

E
- 0.30′ HMA (TYPE B)
- 1.10′ CI 2 AB

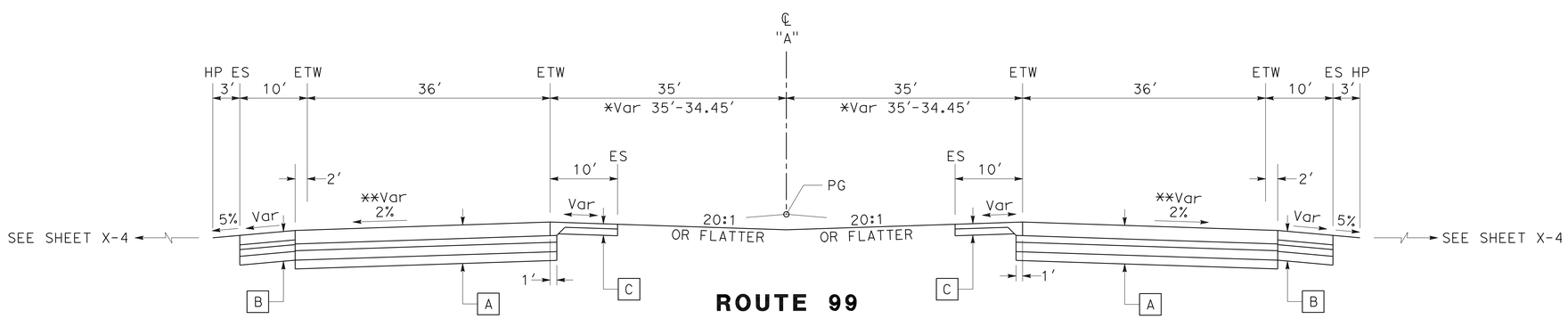
F
- 0.50′ HMA (TYPE B)
- 1.80′ CI 2 AB

G
- 1.00′ HMA (TYPE A)
- 1.00′ CI 2 AB

H
- 0.45′ HMA (TYPE B)
- 1.60′ CI 2 AB

J
- 0.25′ HMA (TYPE B)
- 0.70′ CI 2 AB

K
- 1.15′ JPCP
- 0.25′ HMA (TYPE A)
- 0.70′ CI 4 AS
- 0.65′ LTS



ROUTE 99

SOUTHBOUND

*Sta "A" 398+00.00 TO 399+32.74
Sta "A" 282+35.00 TO 398+00.00
**Sta "A" 279+95.00 TO 282+35.00
**Sta "A" 251+95.00 TO 254+35.00
Sta "A" 240+67.90 TO 251+95.00
Sta "A" 207+54.50 TO 236+80.00
Sta "A" 129+50.00 TO 196+90.00

NORTHBOUND

*Sta "A" 398+00.00 TO 399+32.74
Sta "A" 244+60.00 TO 398+00.00
**Sta "A" 207+40.00 TO 209+80.00
Sta "A" 207+20.00 TO 207+40.00
Sta "A" 130+00.00 TO 203+32.10

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY: AO — DATE REVISED: 06-17-09
GILBERTO BACA — MICAELA GARCIA
CALCULATED-DESIGNED BY — CHECKED BY
FUNCTIONAL SUPERVISOR: ROBERTO BANDA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — 06-DESIGN — Caltrans

LAST REVISION 09-01-09 — DATE PLOTTED => 11-OCT-2010 — TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	3	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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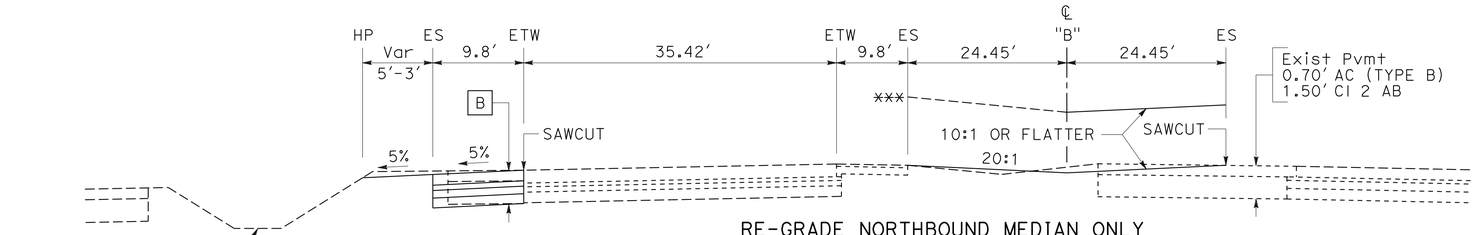
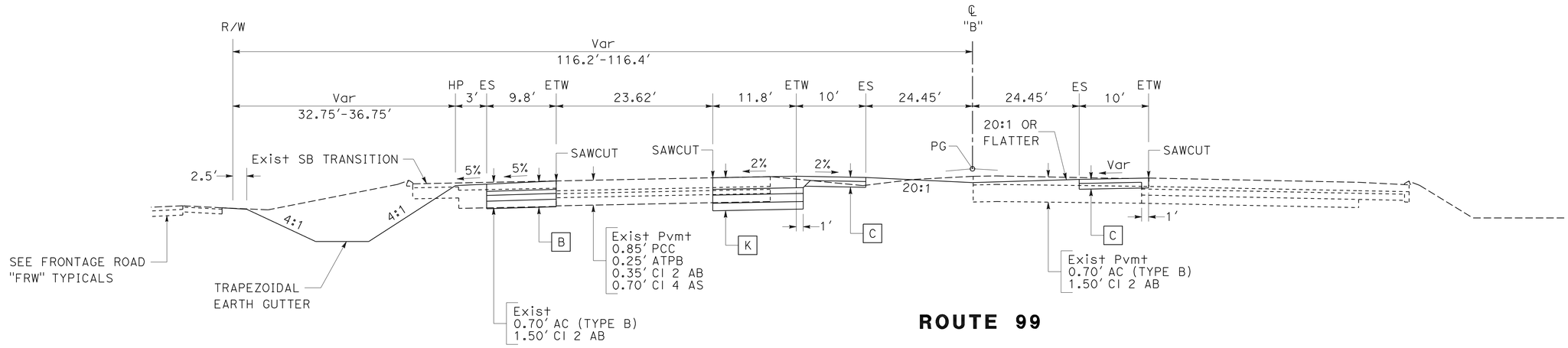


RE-GRADE NORTHBOUND MEDIAN ONLY
***Sta "B" 342+50.00 TO 344+13.90

Sta "B" 338+25.39 TO 343+74.69

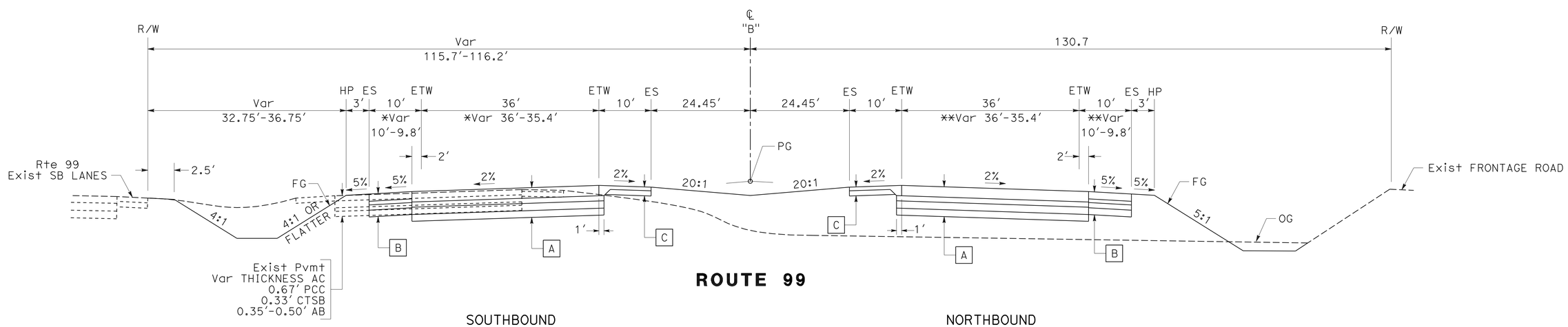
NORTHBOUND
Sta "B" 337+00.00 TO 344+13.90



ROUTE 99

SOUTHBOUND
Sta "B" 335+30.11 TO 338+25.39

NORTHBOUND
Sta "B" 334+64.50 TO 337+00



ROUTE 99

SOUTHBOUND
* Sta "B" 334+50.00 TO 335+30.11
Sta "B" 328+08.33 TO 334+50.00

NORTHBOUND
** Sta "B" 334+00.00 TO 334+64.50
Sta "B" 328+08.33 TO 334+00.00

TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY	DATE REVISED
AO	06-17-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ROBERTO BANDA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	4	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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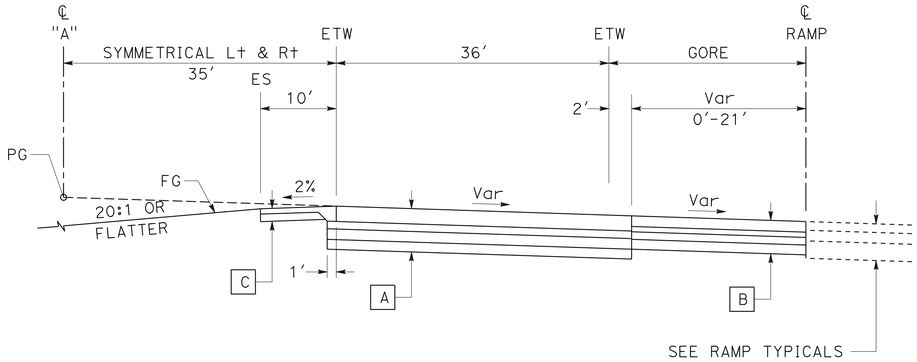
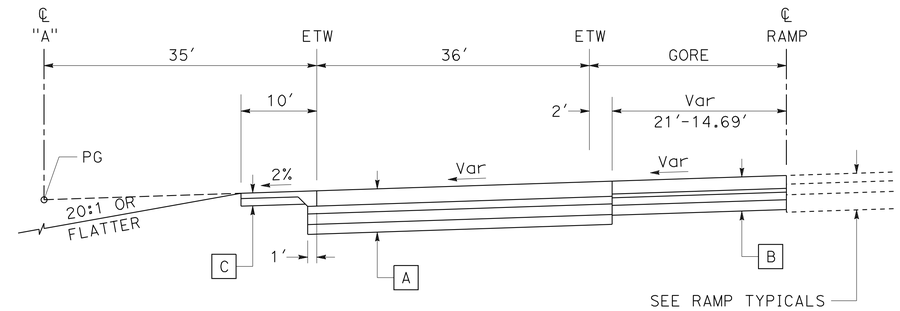


GORE TAPER

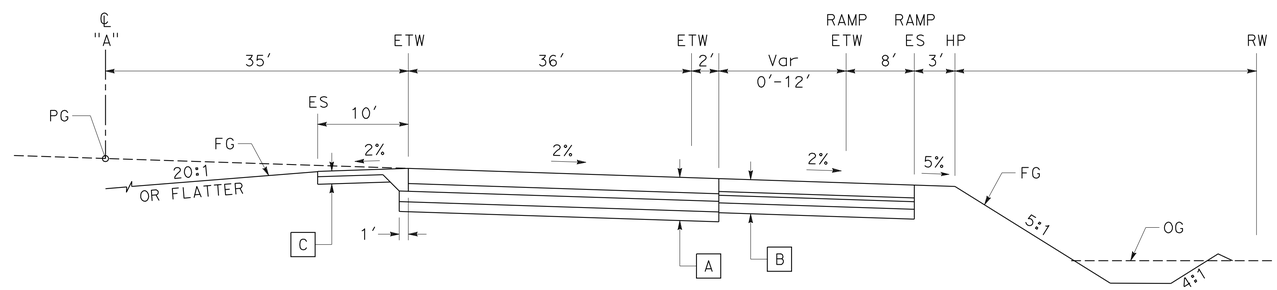
SOUTHBOUND
Sta "A" 236+80.00 TO 239+26.52
Sta "A" 202+90.00 TO 207+54.50

NORTHBOUND
Sta "A" 234+60.00 TO 238+60.00
Sta "A" 204+73.48 TO 207+20.00



GORE TAPER

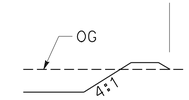
NORTHBOUND
Sta "A" 233+95.50 TO 234+60.00



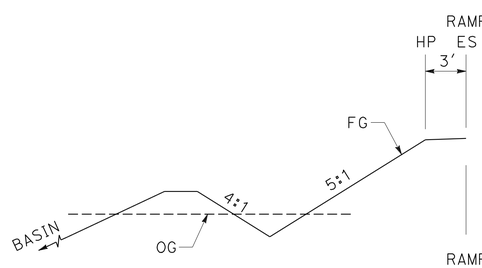
RAMP TAPER

NORTHBOUND
Sta "A" 238+60.00 TO 244+60.00
Sta "A" 203+32.10 TO 204+73.48

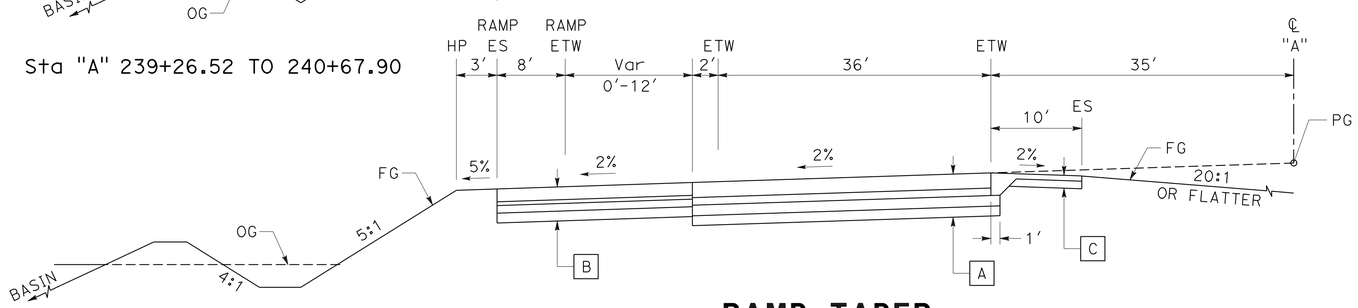
Sta "A" 238+60.00 TO 244+60.00



Sta "A" 203+32.10 TO 204+73.48



Sta "A" 239+26.52 TO 240+67.90



RAMP TAPER

SOUTHBOUND
Sta "A" 239+26.52 TO 240+67.90
Sta "A" 196+90.00 TO 202+90.00

Sta "A" 196+90.00 TO 202+90.00

TYPICAL CROSS SECTIONS

NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ROBERTO BANDA
REVISED BY: AO
DATE REVISED: 06-17-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	5	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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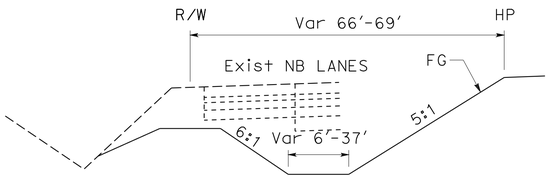
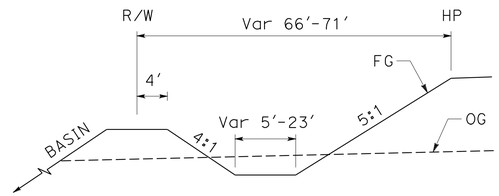


TYPE 1



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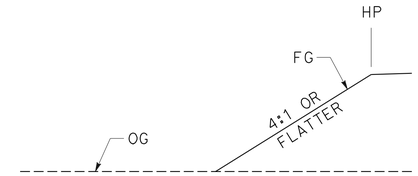

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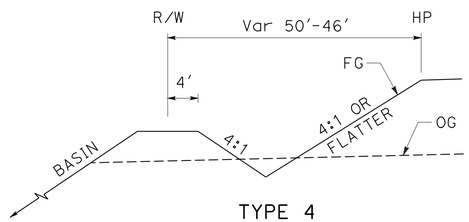

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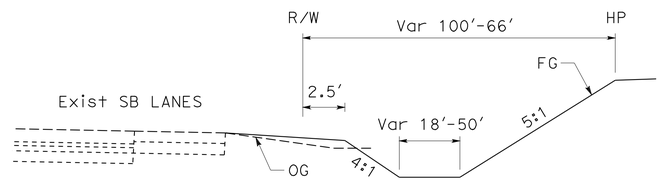

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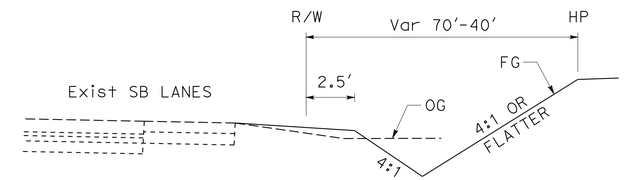

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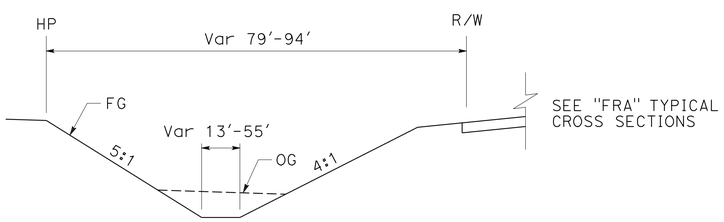

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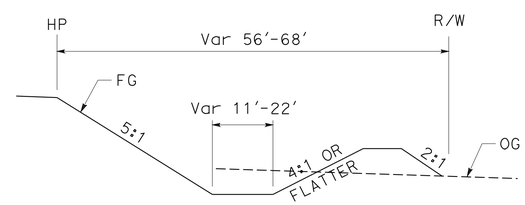

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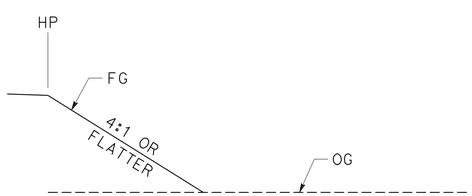

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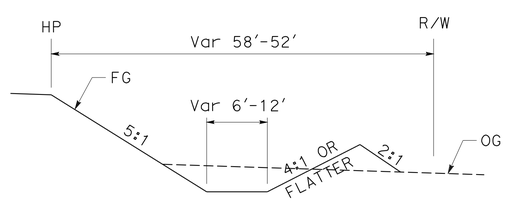

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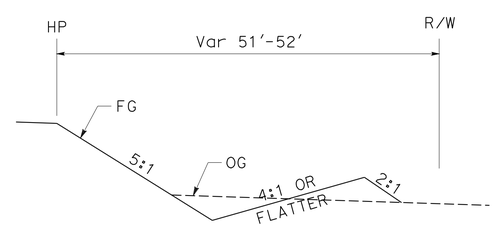
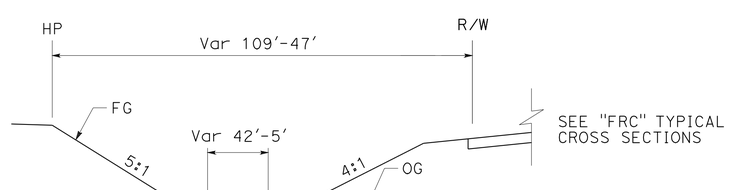


TYPE 14



TYPE 15

ROUTE 99 SB DIRECTION

LOCATION	TYPE
Sta "A" 129+50.00 TO 162+50.00	1
Sta "A" 162+50.00 TO 202+90.00	2
Sta "A" 207+54.50 TO 208+40.83	*
Sta "A" 208+40.83 TO 235+50.70	3
Sta "A" 235+50.70 TO 236+80.00	*
Sta "A" 240+67.90 TO 267+50.00	4
Sta "A" 267+50.00 TO 271+50.00	5
Sta "A" 271+50.00 TO 280+50.00	6
Sta "A" 280+50.00 TO 399+32.74	5
Sta "B" 328+08.33 TO 343+74.69	5

ROUTE 99 NB DIRECTION

LOCATION	TYPE
Sta "A" 107+00.00 TO 199+74.10	10
Sta "A" 199+74.10 TO 203+32.10	11
Sta "A" 207+20.00 TO 208+49.30	*
Sta "A" 208+49.30 TO 233+06.47	12
Sta "A" 233+06.47 TO 233+95.50	*
Sta "A" 238+60.00 TO 244+60.02	13
Sta "A" 244+60.02 TO 280+50.00	14
Sta "A" 280+50.00 TO 291+00.00	13
Sta "A" 291+00.00 TO 399+32.74	15
Sta "B" 328+08.33 TO 334+64.50	15

* TEXTURED PAVING GORE AREA

TYPICAL CROSS SECTIONS

NO SCALE

X-4

REVISED BY	DATE REVISED
AO	06-17-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 07-30-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	6	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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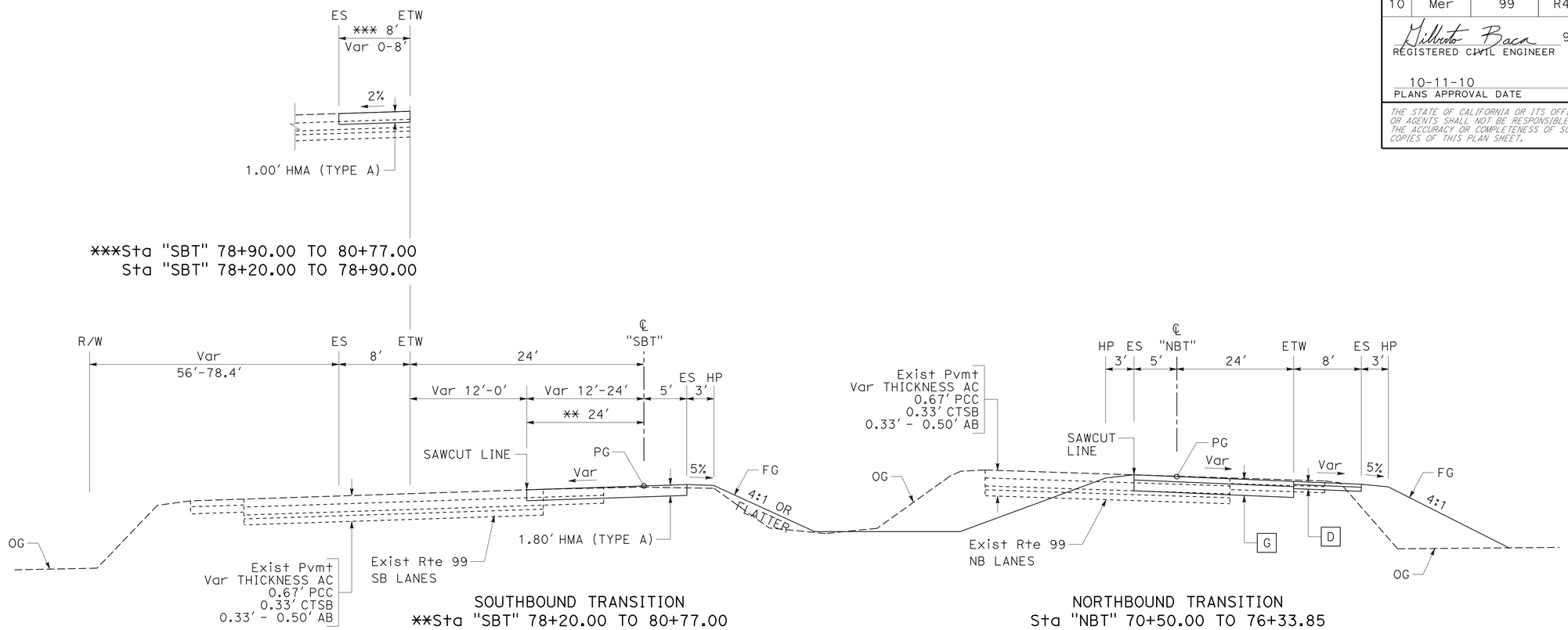

TYPICAL CROSS SECTIONS

NO SCALE

X-5

CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	ROBERTO BANDA
REVISED BY	AO
DATE REVISED	06-17-09
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	7	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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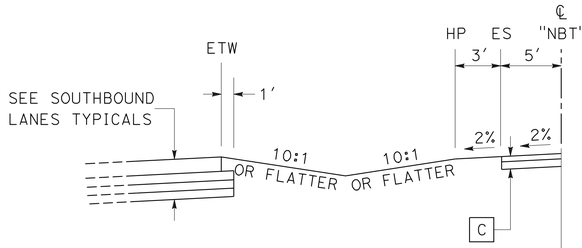
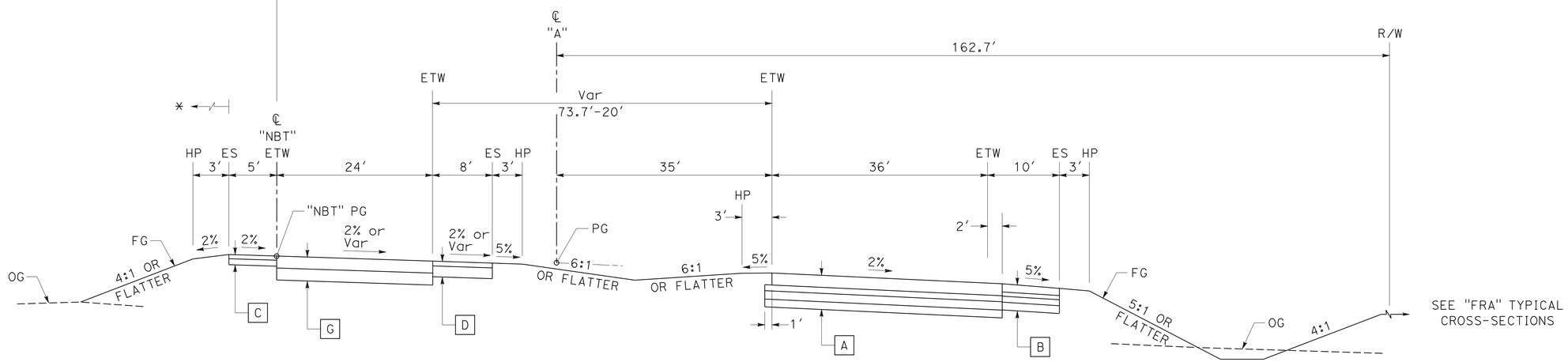


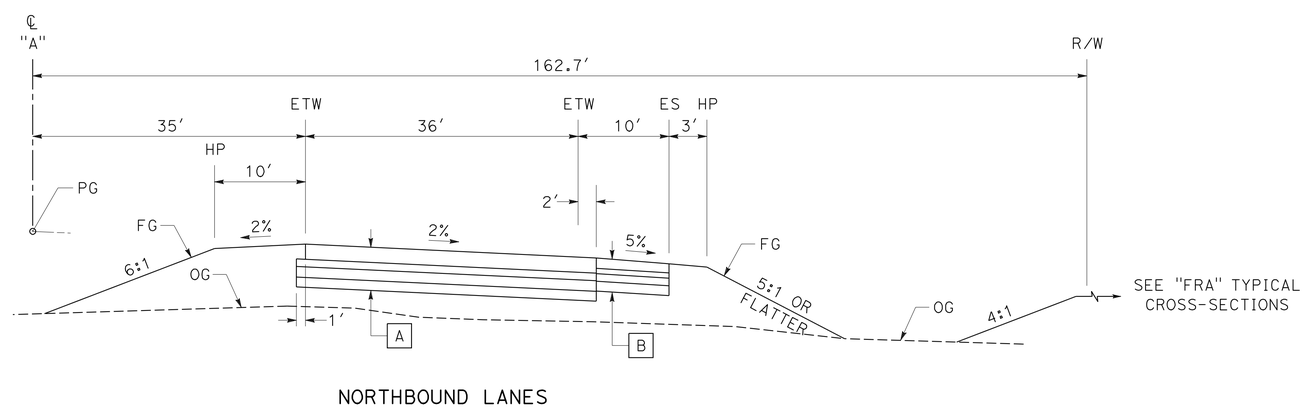
* Sta "NBT" 80+81.10 TO 82+09.88



ROUTE 99

NORTHBOUND TRANSITION
Sta "NBT" 76+33.85 TO 82+09.88

NORTHBOUND LANES
Sta "A" 116+00.00 TO 121+79.30



NORTHBOUND LANES
Sta "A" 107+00.00 TO 116+00.00

TYPICAL CROSS SECTIONS

NO SCALE

X-6

		AO	06-17-09
		REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	GILBERTO BACA		
CHECKED BY	ROBERTO BANDA		
FUNCTIONAL SUPERVISOR	ROBERTO BANDA		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:50

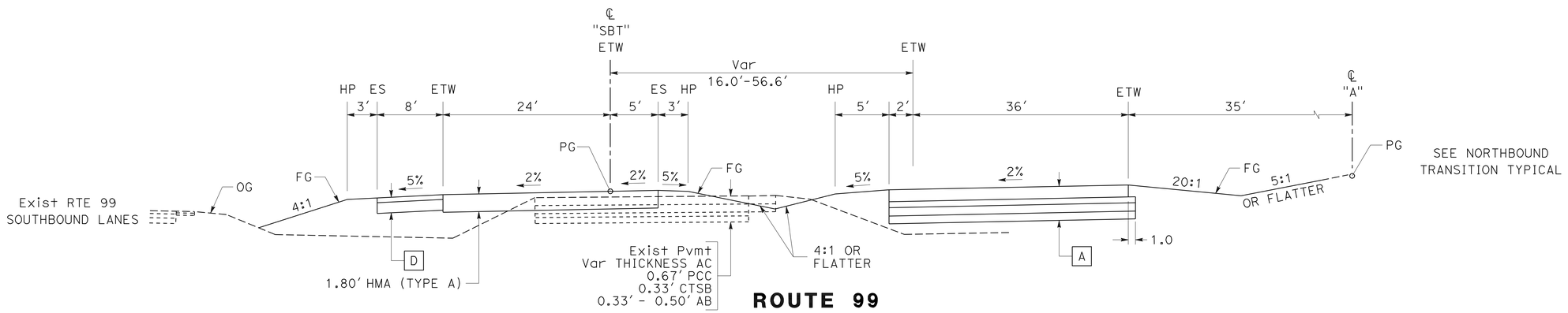
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	8	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

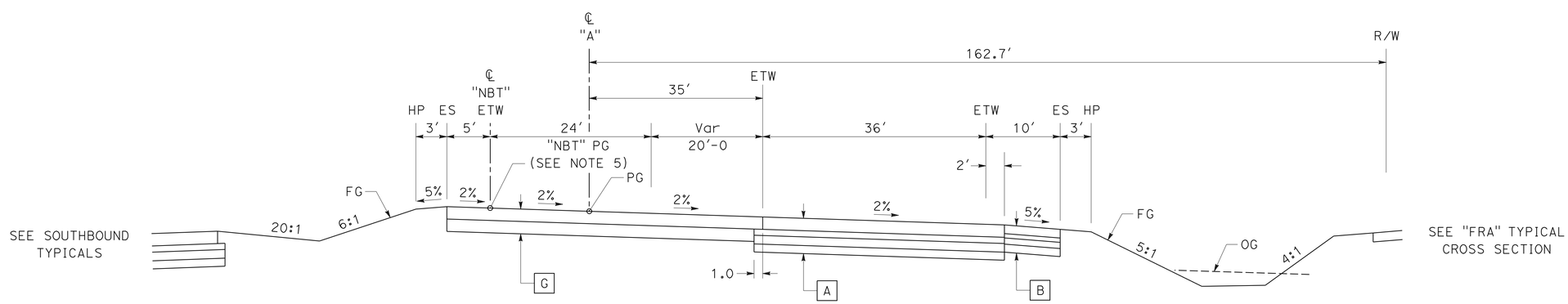
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



ROUTE 99

SOUTHBOUND TRANSITION
Sta "SBT" 80+77.00 TO 82+82.95

SOUTHBOUND
Sta "A" 122+00.00 TO 122+52.45



ROUTE 99

NORTHBOUND TRANSITION
Sta "NBT" 82+09.88 TO 85+05.93

NORTHBOUND
Sta "A" 121+79.30 TO 124+75.33

TYPICAL CROSS SECTIONS

NO SCALE

X-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 02-24-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	9	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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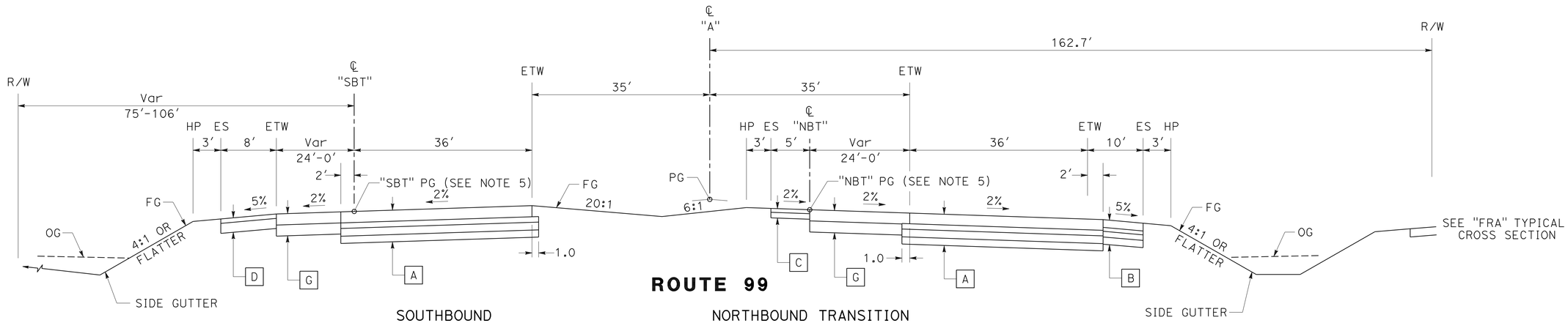


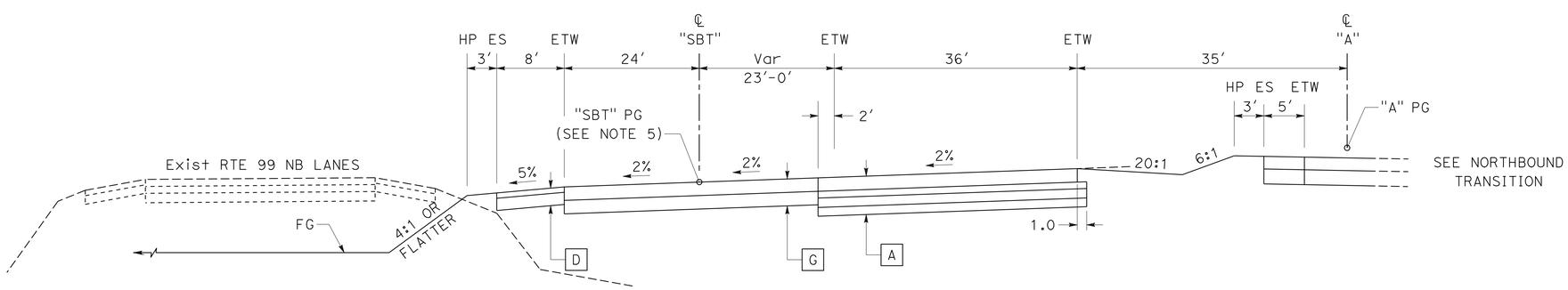
ROUTE 99

SOUTHBOUND
Sta "A" 124+36.99 TO 129+50.00

NORTHBOUND TRANSITION
Sta "NBT" 85+05.93 TO 90+12.54

SOUTHBOUND TRANSITION
Sta "SBT" 84+49.21 TO 89+82.05

NORTHBOUND
Sta "A" 124+75.33 TO 130+00.00



ROUTE 99

SOUTHBOUND TRANSITION
Sta "SBT" 82+82.95 TO 84+49.21

SOUTHBOUND
Sta "A" 122+52.45 TO 124+36.99

TYPICAL CROSS SECTIONS

NO SCALE

X-8

REVISED BY	DATE REVISED
AO	04-09-09

GILBERTO BACA — ALEJANDRO CORREA — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans — 06-DESIGN

LAST REVISION 09-01-09 — DATE PLOTTED => 11-OCT-2010 — TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	10	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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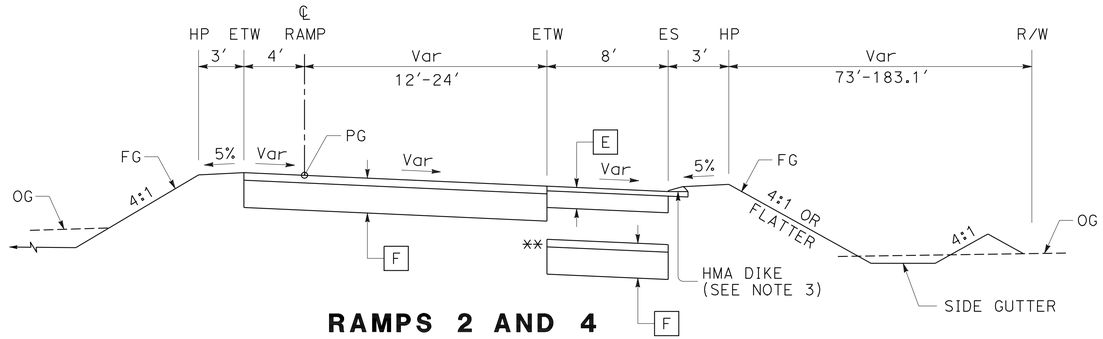
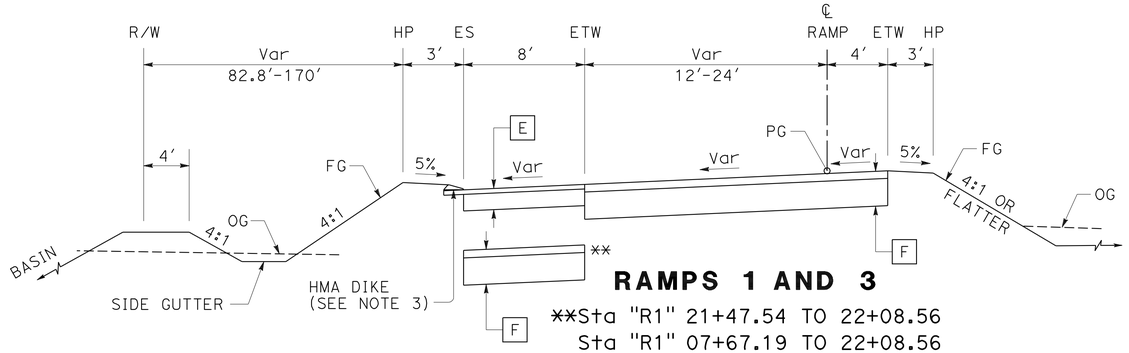


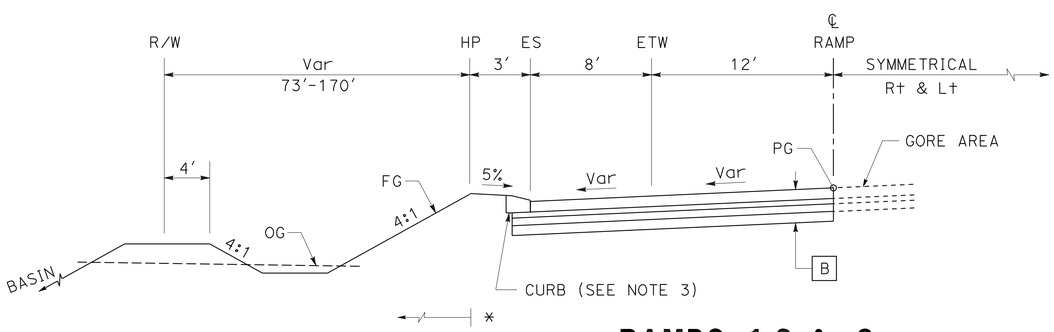
RAMPS 2 AND 4

**Sta "R2" 22+75.00 TO 23+52.23
Sta "R2" 07+32.63 TO 23+52.23
Sta "R4" 26+37.50 TO 33+83.24
Sta "R4" 20+94.12 TO 22+07.62
**Sta "R4" 20+94.12 TO 21+40.75



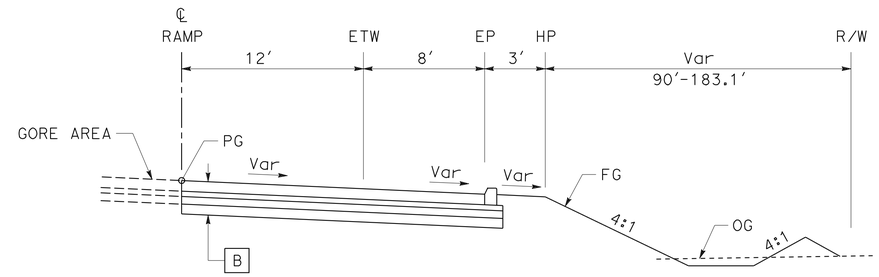
RAMPS 1 AND 3

**Sta "R1" 21+47.54 TO 22+08.56
Sta "R1" 07+67.19 TO 22+08.56
Sta "R3" 28+26.54 TO 36+67.02
Sta "R3" 22+52.11 TO 23+60.00
**Sta "R3" 22+52.11 TO 23+25.41



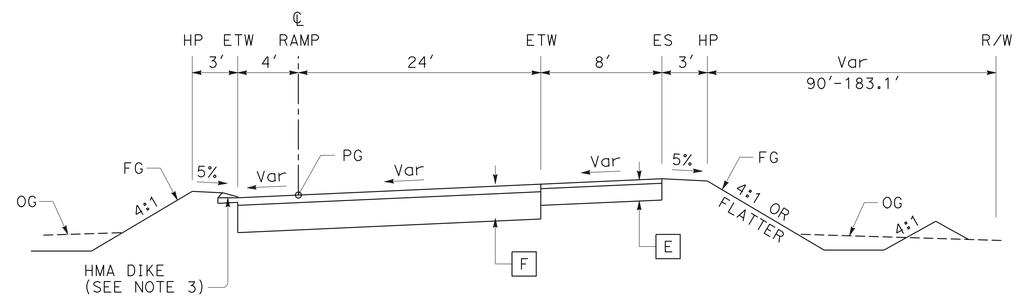
RAMPS 1,2 & 3

Sta "R3" 36+79.02 TO 39+26.44, Lt
*Sta "R2" 04+73.56 TO 07+20.63, Rt
Sta "R1" 02+90.00 TO 07+55.19, Lt



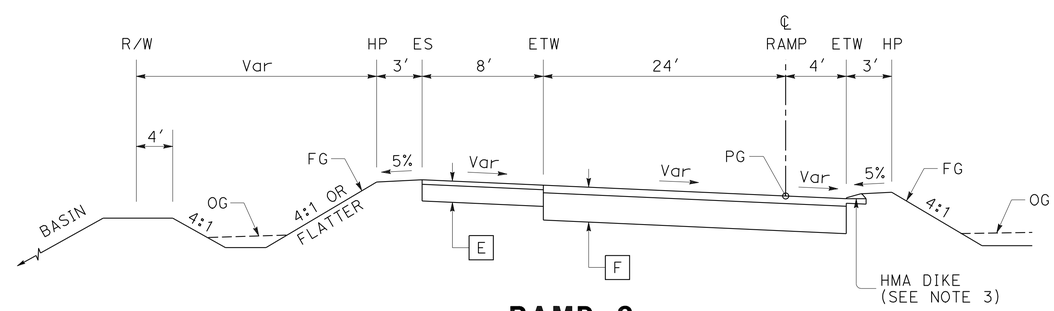
RAMP 4

Sta "R4" 33+95.24 TO 38+59.98



RAMP 4

Sta "R4" 22+07.62 TO 26+37.50



RAMP 3

Sta "R3" 23+60.00 TO 28+26.54

TYPICAL CROSS SECTIONS

NO SCALE

X-9

CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	ALEJANDRO CORREA
REVISED BY	AO
DATE REVISED	04-09-09
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

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

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	11	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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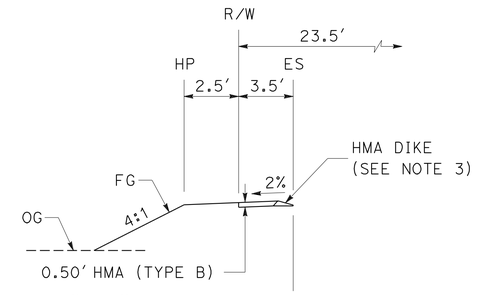
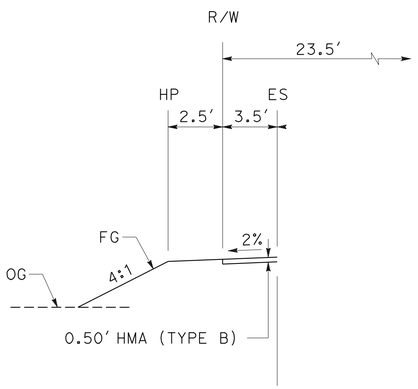
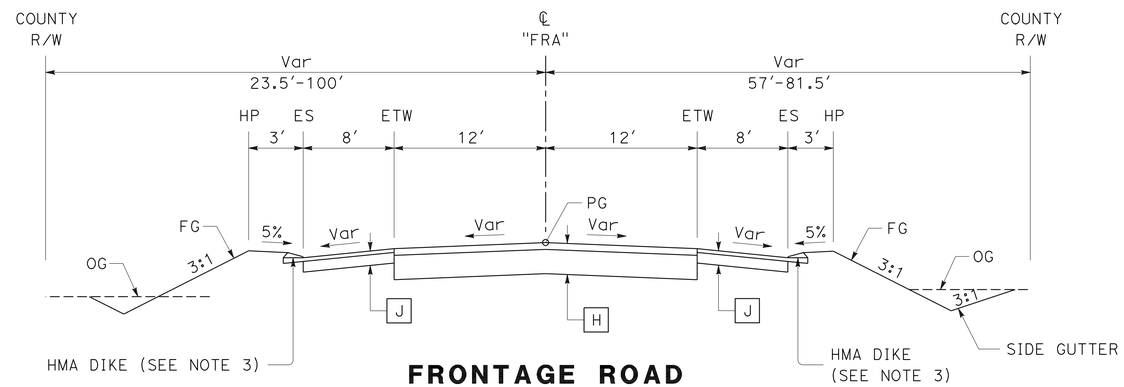


Sta "FRA" 193+38.33 TO 294+70.00

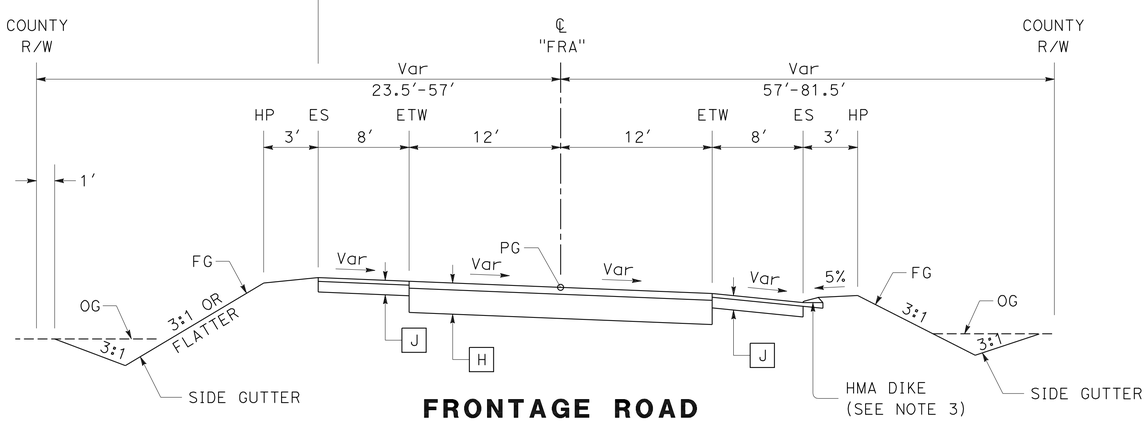


Sta "FRA" 193+00.00 TO 193+38.33
Sta "FRA" 294+70.00 TO 299+32.00



FRONTAGE ROAD

Sta "FRA" 307+50.00 TO 317+35.00
Sta "FRA" 193+38.33 TO 294+70.00



FRONTAGE ROAD

Sta "FRA" 294+70.00 TO 307+50.00
Sta "FRA" 193+00.00 TO 193+38.33

TYPICAL CROSS SECTIONS

NO SCALE

X-10

REVISED BY	AO
DATE REVISED	06-17-09
CALCULATED-DESIGNED BY	ALEJANDRO CORREA
CHECKED BY	GILBERTO BACA
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	12	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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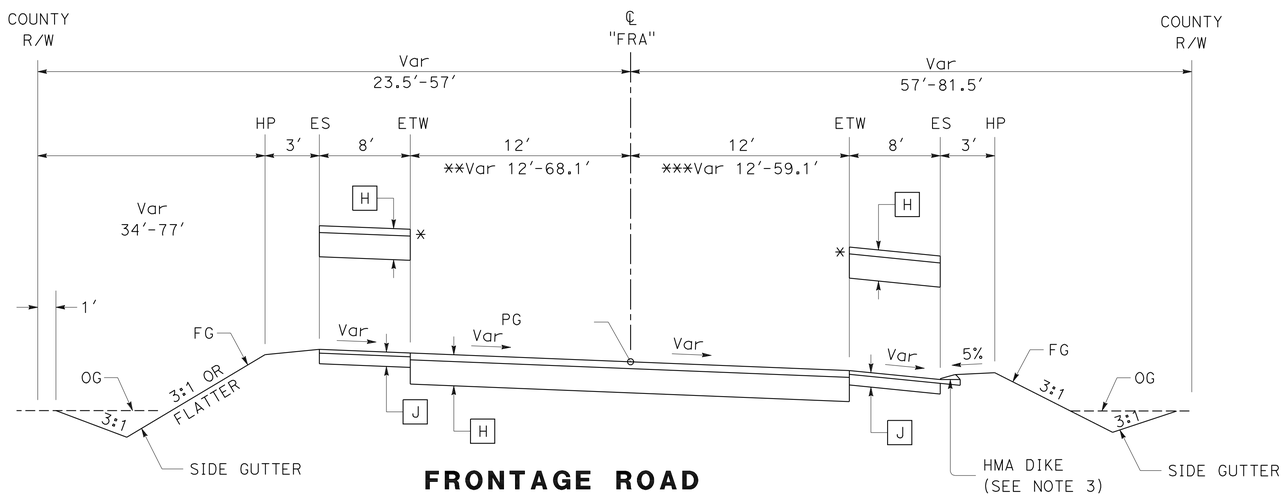
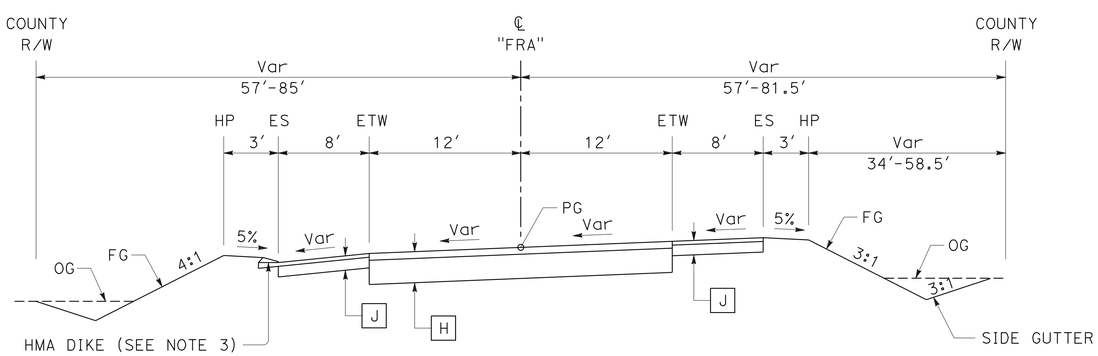


FRONTAGE ROAD

***Sta "FRA" 324+50.00 TO 324+14.41
**Sta "FRA" 324+00.00 TO 324+14.41
*Sta "FRA" 324+00.00 TO 325+14.41
Sta "FRA" 323+65.88 TO 325+14.41



FRONTAGE ROAD

Sta "FRA" 317+35.00 TO 323+65.88

TYPICAL CROSS SECTIONS

NO SCALE

X-11

REVISED BY	DATE REVISED
AO	08-25-09

CALCULATED-DESIGNED BY: ALEJANDRO CORREA
CHECKED BY: GILBERTO BACA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

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

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	13	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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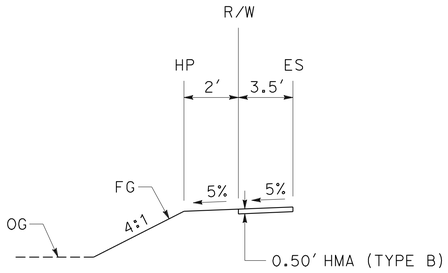
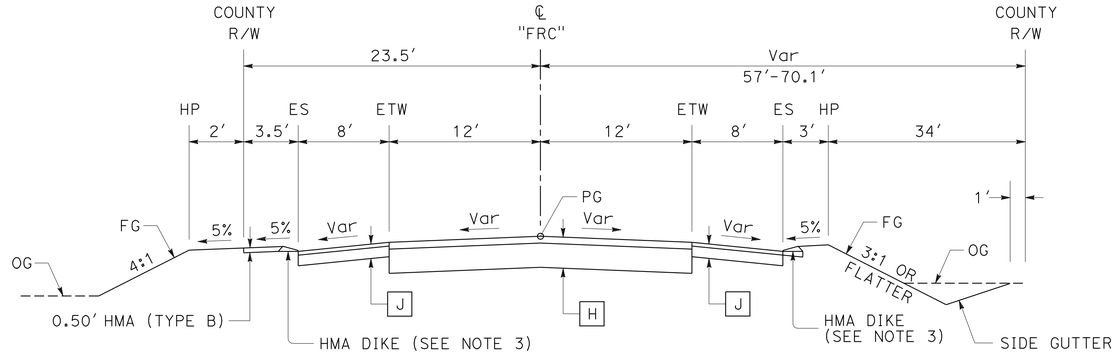
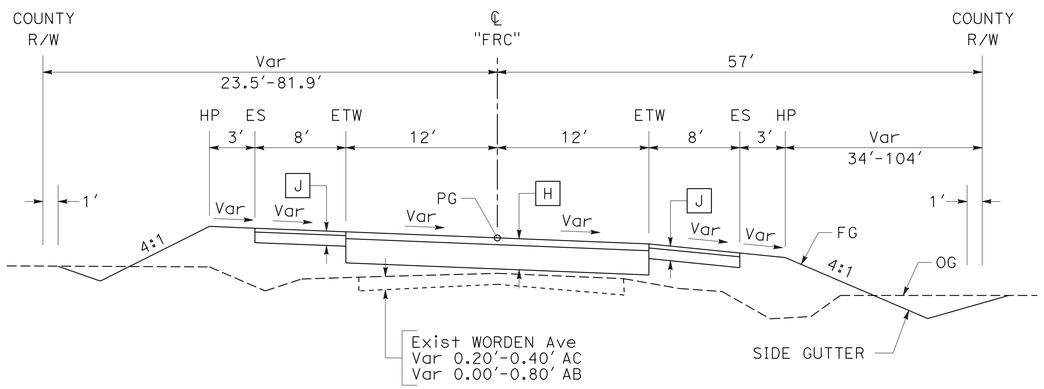


*Sta "FRC" 88+50.00 TO 93+60.00



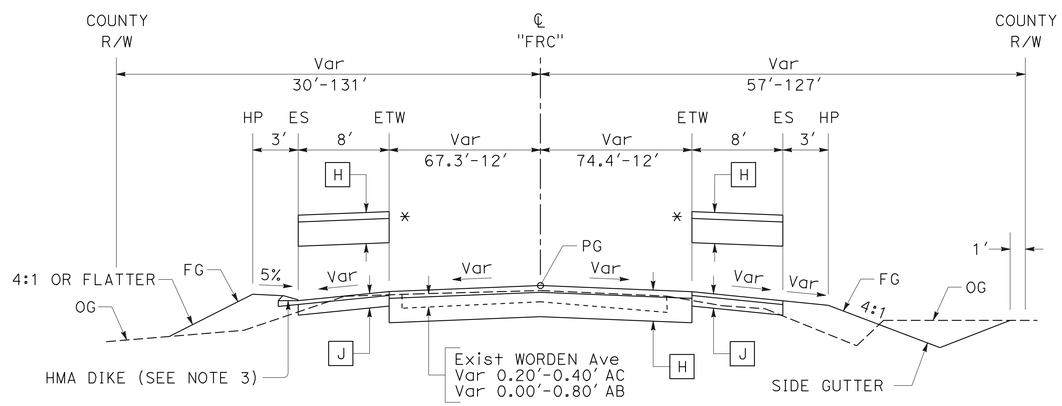
FRONTAGE ROAD

Sta "FRC" 93+60.00 TO 190+60.00



FRONTAGE ROAD

Sta "FRC" 73+90.00 TO 93+60.00
*Sta "FRC" 88+50.00 TO 93+60.00



FRONTAGE ROAD

Sta "FRC" 47+09.90 TO 73+90.00
*Sta "FRC" 47+09.90 TO 48+37.79

TYPICAL CROSS SECTIONS

NO SCALE

X-12

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

FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
ROBERTO BANDA	MICAELA GARCIA	GILBERTO BACA	AO	06-17-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:50

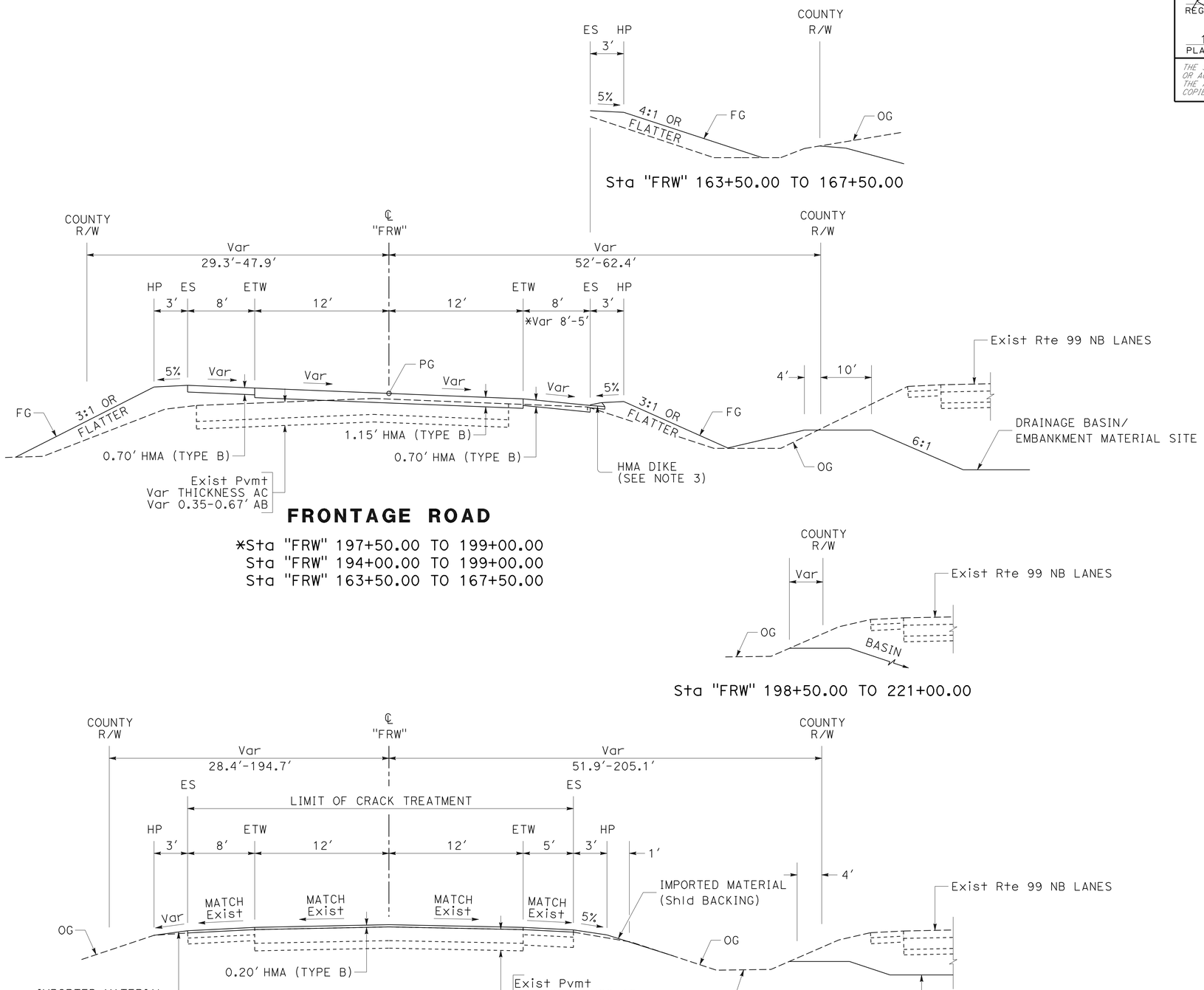
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	14	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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.



TYPICAL CROSS SECTIONS

NO SCALE

X-13

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: ALEJANDRO CORREA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 06-17-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:50

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => a41570ca013.dgn
CU 06255
EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	15	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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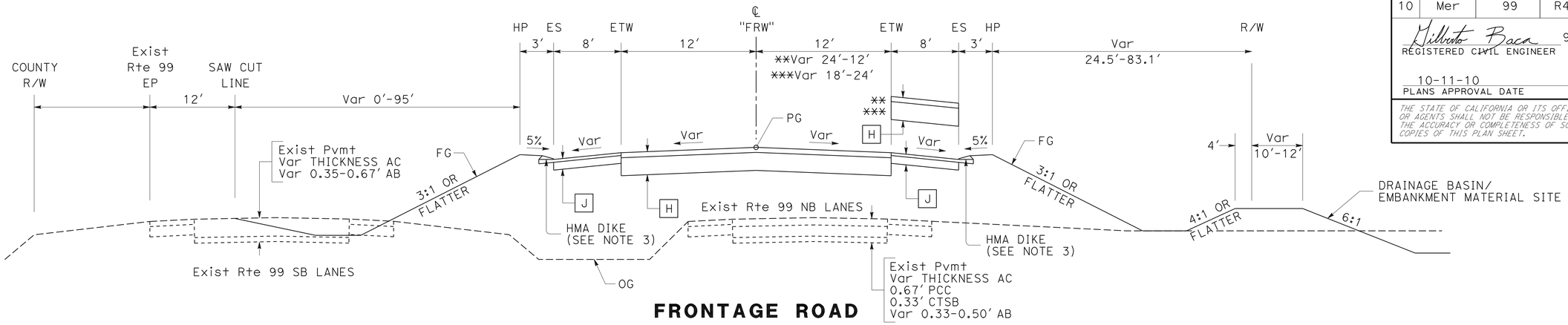
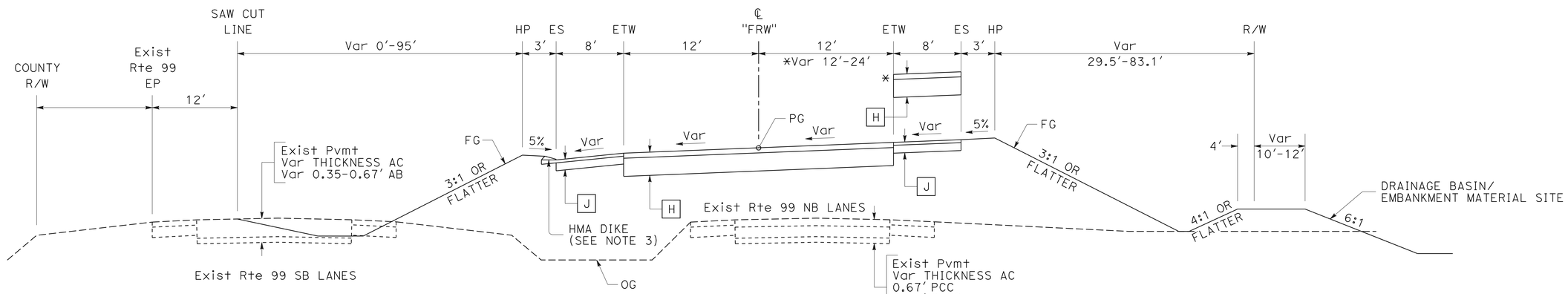


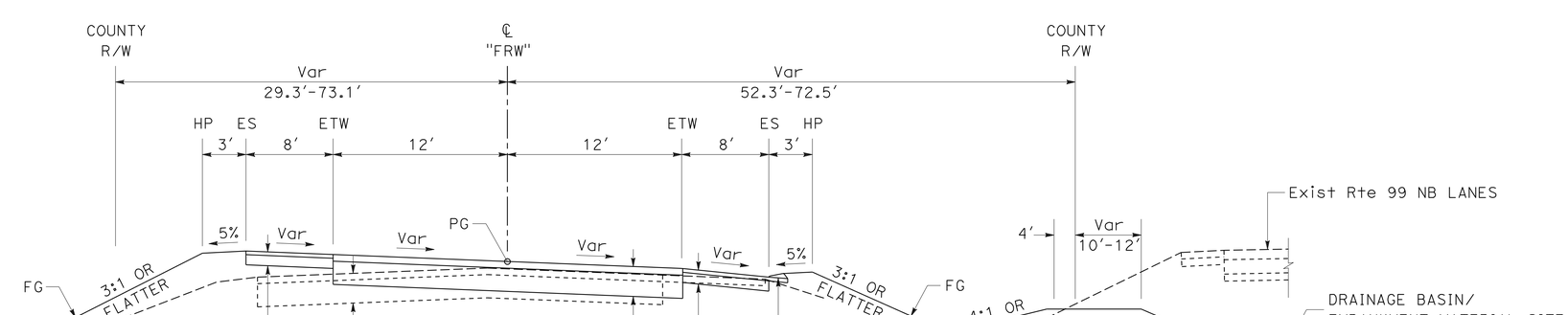
FRONTAGE ROAD

**Sta "FRW" 177+10.00 TO 178+30.00
Sta "FRW" 175+10.00 TO 186+11.00
***Sta "FRW" 175+10.00 TO 175+70.00



FRONTAGE ROAD

Sta "FRW" 169+80.00 TO 175+10.00
*Sta "FRW" 174+50.00 TO 175+10.00
Sta "FRW" 186+11.00 TO 190+98.50



FRONTAGE ROAD

Sta "FRW" 190+98.50 TO 194+00.00
Sta "FRW" 167+50.00 TO 169+80.00

TYPICAL CROSS SECTIONS

NO SCALE

X-14

REVISED BY	DATE REVISED
AO	06-17-09

GILBERTO BACA — ALEJANDRO CORREA — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — 06-DESIGN — Caltrans

LAST REVISION 09-01-09 — DATE PLOTTED => 11-OCT-2010 — TIME PLOTTED => 13:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	16	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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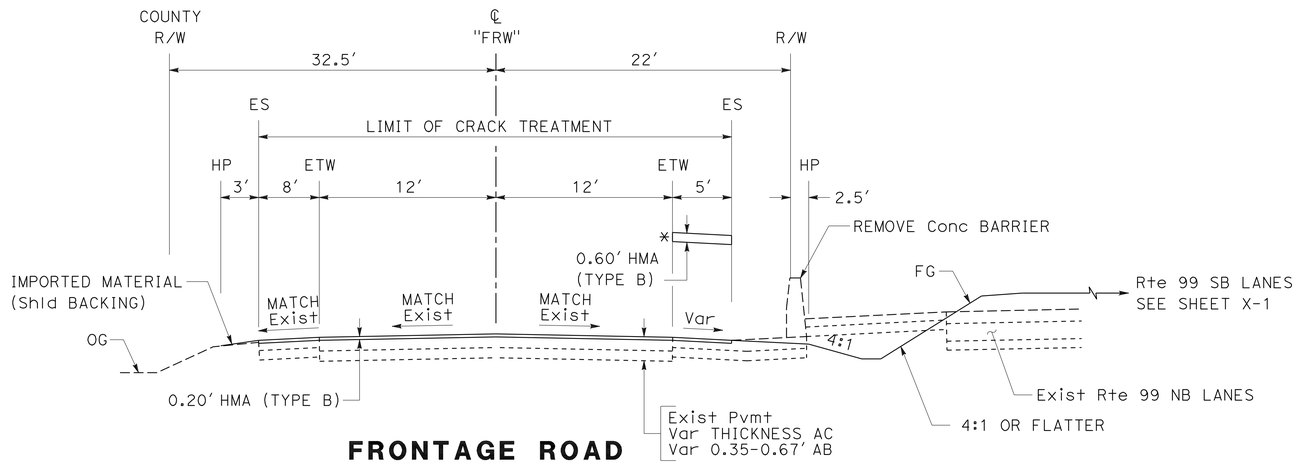
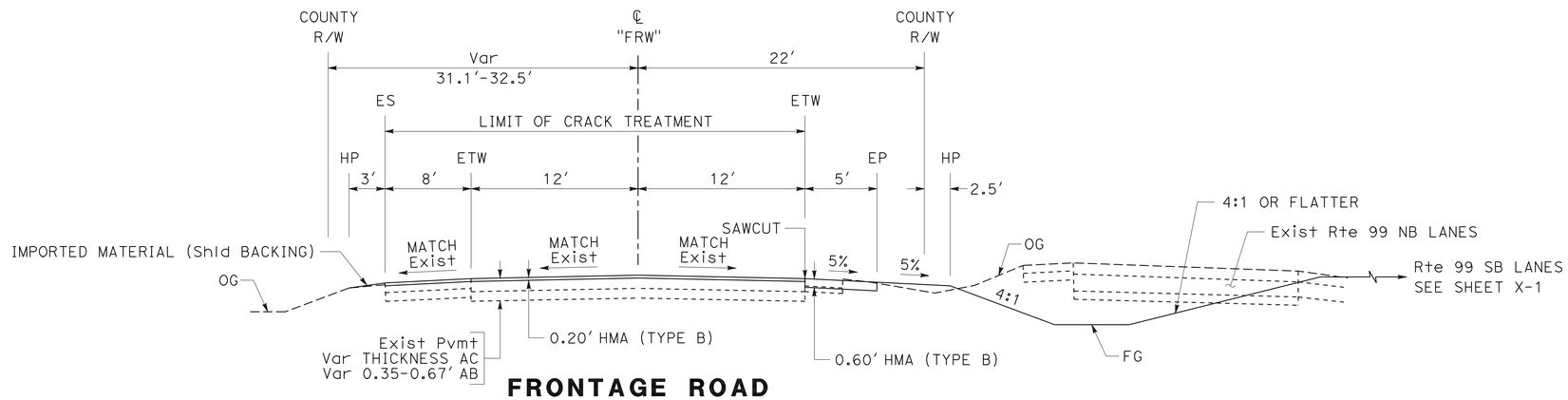


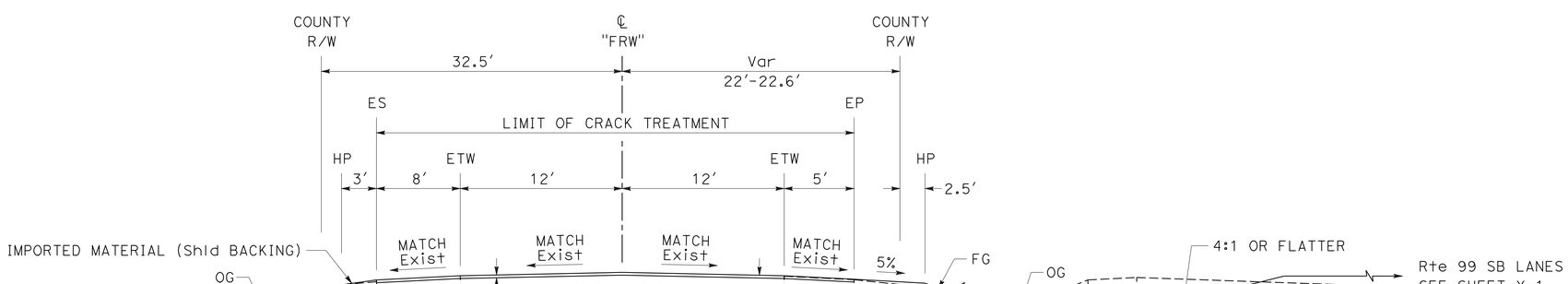
FRONTAGE ROAD

*Sta "FRW" 336+43.60 to 343+00.00
Sta "FRW" 336+43.60 to 364+30.00



FRONTAGE ROAD

Sta "FRW" 279+50.00 TO 336+43.60



FRONTAGE ROAD

Sta "FRW" 221+00.00 TO 279+50.00

TYPICAL CROSS SECTIONS

NO SCALE

X-15

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 06-17-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:50

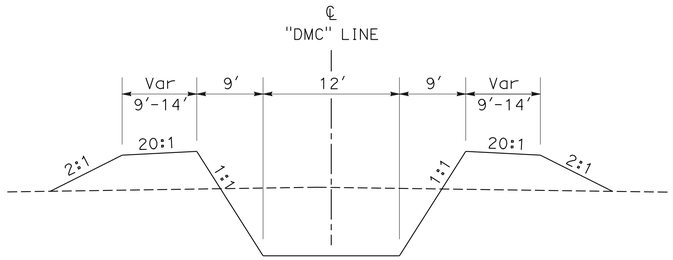
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	17	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

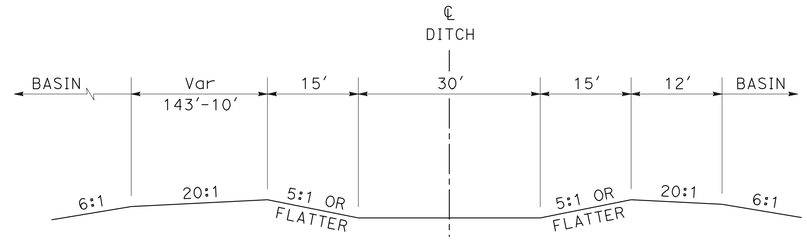
10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

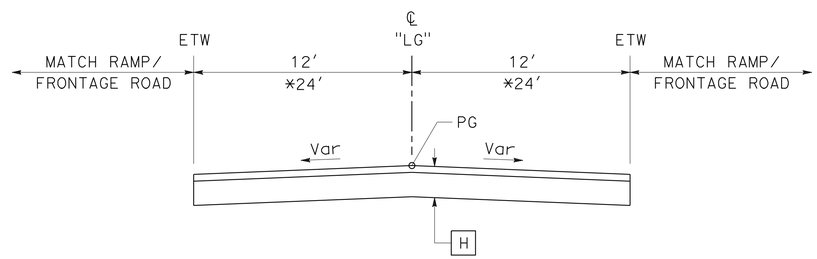
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



DEADMAN CREEK



DITCH D2

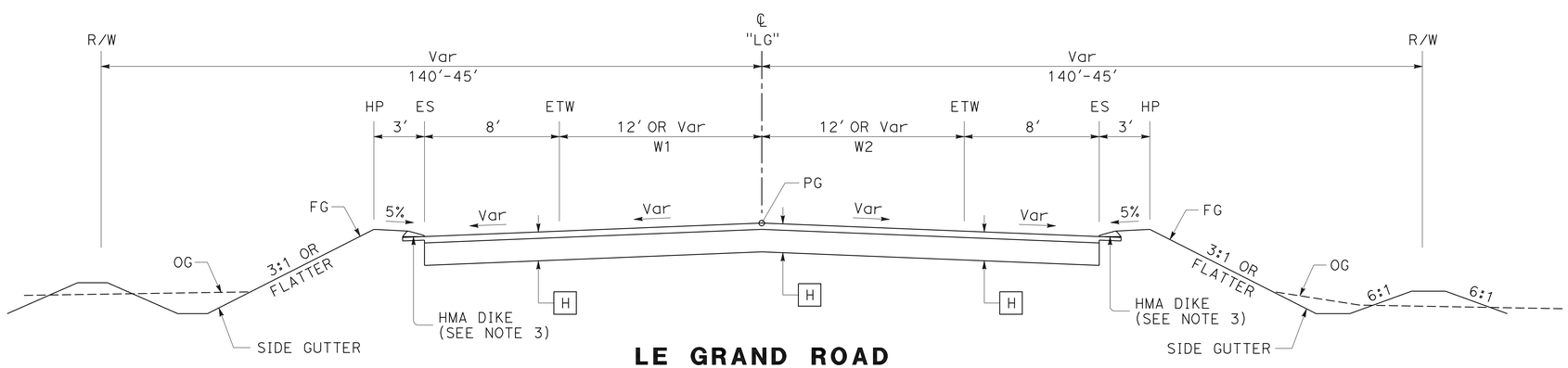


LE GRAND ROAD

*Sta "LG" 120+32.87 TO 121+76.09, Lt
*Sta "LG" 120+23.91 TO 121+67.13, Rt
Sta "LG" 115+01.50 TO 116+05.00, Rt
Sta "LG" 114+88.87 TO 115+99.67, Lt
Sta "LG" 104+79.68 TO 105+89.87, Rt
Sta "LG" 104+69.52 TO 105+79.50, Lt

VARIABLE WIDTHS

LOCATION	W1	W2
Sta "LG" ℄ 100+12.00 TO 100+90.00	70.4' - 12'	
Sta "LG" ℄ 100+12.00 TO 101+75.00		71.2' - 12'
Sta "LG" ℄ 103+80.00 TO 104+69.52	12' - 21'	
Sta "LG" ℄ 105+89.87 TO 107+00.00		20' - 12'
Sta "LG" ℄ 113+60.00 TO 114+88.87	12' - 24.9'	
Sta "LG" ℄ 116+05.00 TO 116+80.00		24' - 12'
Sta "LG" ℄ 118+73.91 TO 120+23.91		12' - 24'
Sta "LG" ℄ 119+57.87 TO 120+32.87	12' - 24'	



LE GRAND ROAD

Sta "LG" 112+03.40 TO 121+45.88
Sta "LG" 100+12.00 TO 108+89.10

TYPICAL CROSS SECTIONS

NO SCALE

X-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ROBERTO BANDA
REVISED BY: AO
DATE REVISED: 06-17-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:51

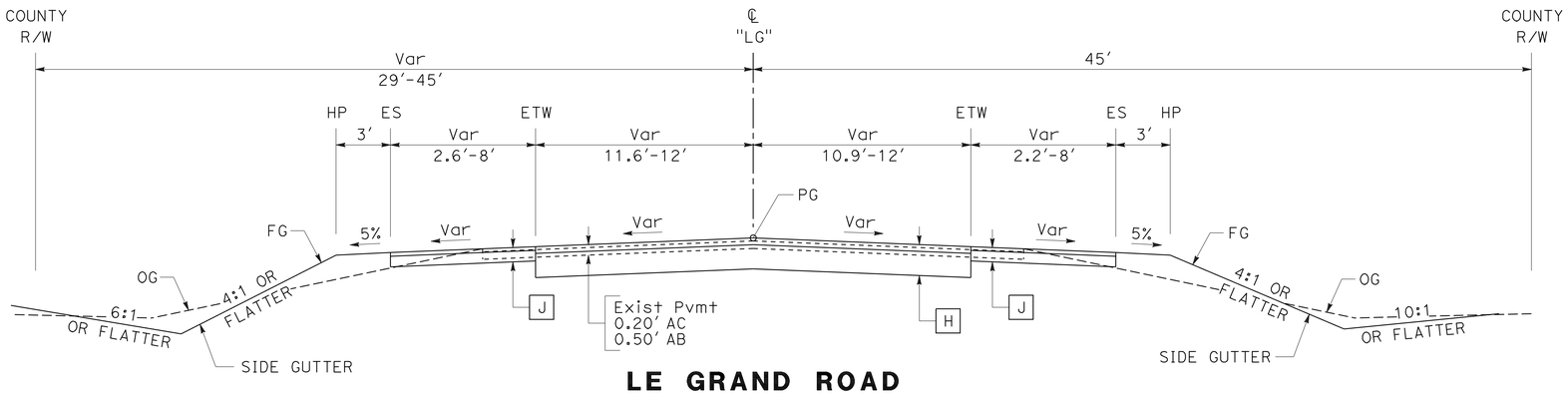
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	18	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

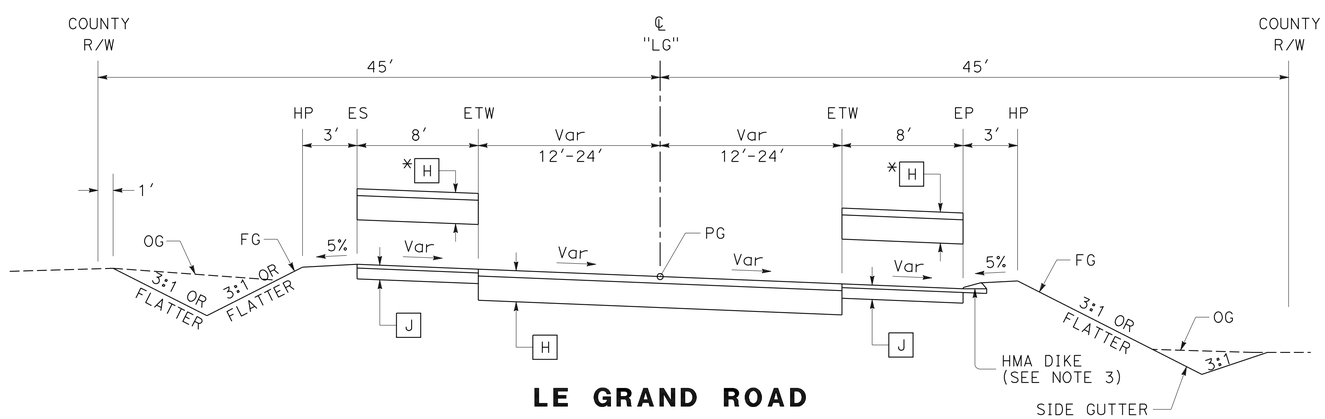
REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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.



LE GRAND ROAD

STA "LG" 135+00.00 TO 136+40.00



LE GRAND ROAD

Sta "LG" 123+50.00 TO 135+00.00
*Sta "LG" 121+45.88 TO 123+50.00

TYPICAL CROSS SECTIONS

NO SCALE

X-17

REVISED BY	DATE REVISED
AO	06-17-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:51

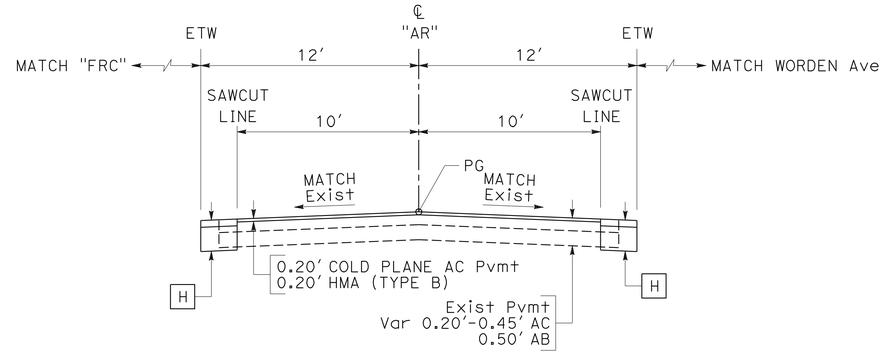
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	19	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

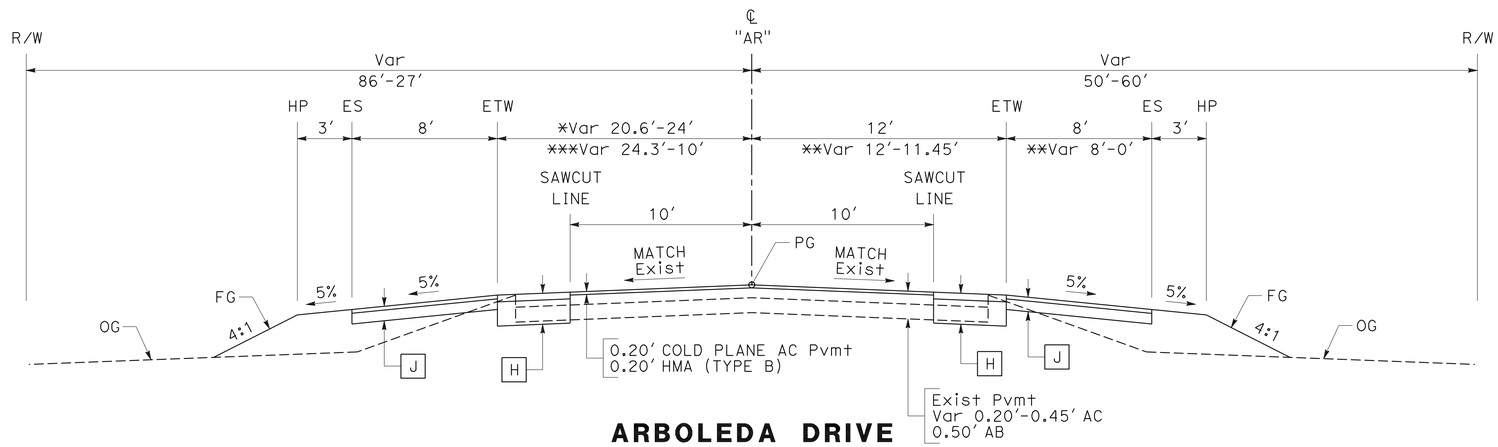
10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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.

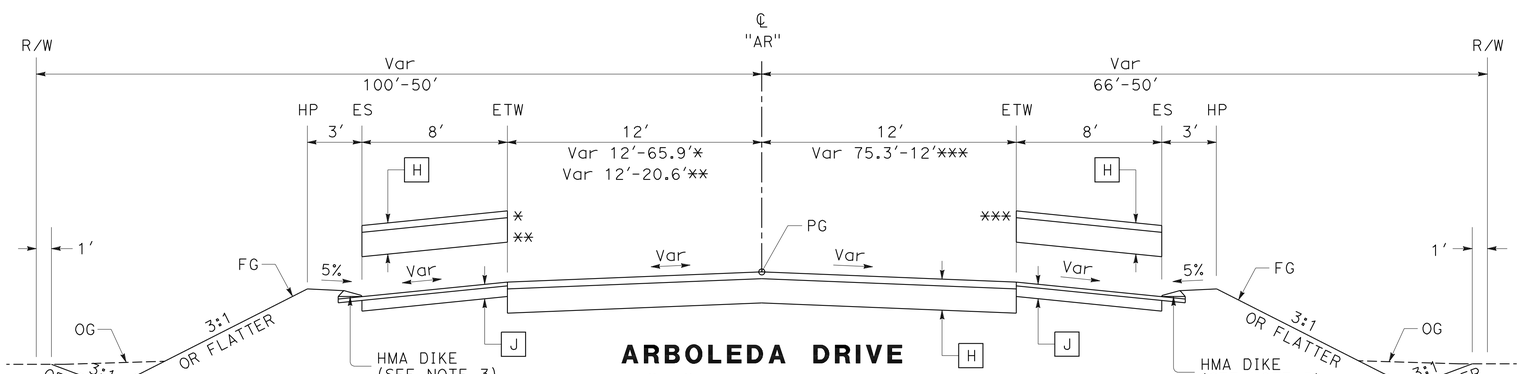


Sta "AR" 48+34.91 TO 49+40.76, Rt
Sta "AR" 48+20.75 TO 49+62.53, Lt



ARBOLEDA DRIVE

Sta "AR" 48+00.00 TO 51+05.00
**Sta "AR" 49+50.00 TO 51+05.00, Rt
*Sta "AR" 48+00.00 TO 48+34.91, Lt
***Sta "AR" 49+62.53 TO 51+05.00, Lt



ARBOLEDA DRIVE

**Sta "AR" 47+50.00 TO 48+00.00
Sta "AR" 10+12.00 TO 48+00.00
*Sta "AR" 10+12.00 TO 10+87.63
***Sta "AR" 10+12.00 TO 11+40.00

TYPICAL CROSS SECTIONS

NO SCALE

X-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR	ROBERTO BANDA	REVISED BY	AO
CALCULATED-DESIGNED BY	MICAELA GARCIA	DATE REVISED	06-17-09
CHECKED BY	GILBERTO BACA		

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	20	751

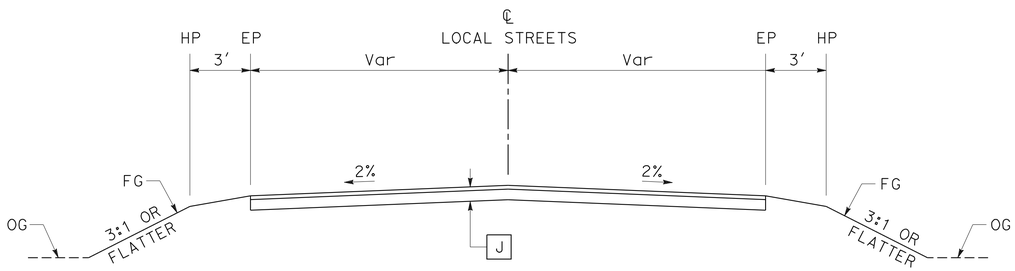
Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

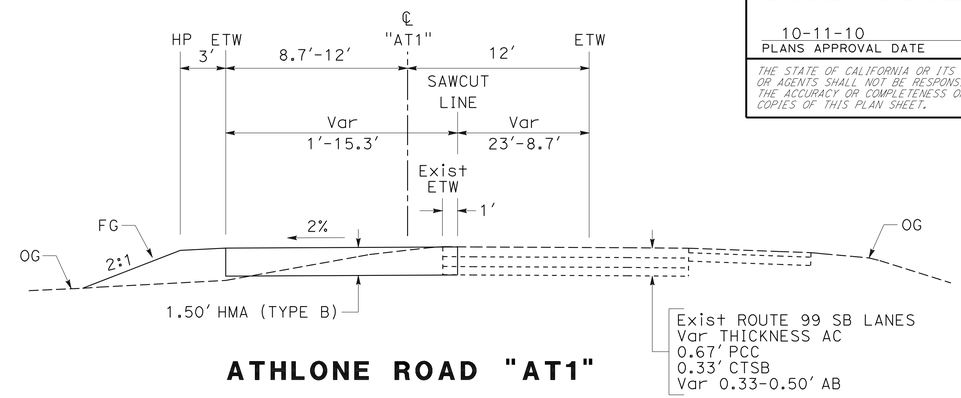
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

	EP	℄	EP
"BH"	Var 71.3′-9′	Var 77.6′-9.7′	
"AT2"	Var 74.7′-10.2′	Var 86.8′-8.9′	
"RNCH"	Var 10′-67.2′	Var 8.2′-76′	
"PI"	Var 102′-10.1′	Var 125′-10′	
"LIN"	Var 12′-90.8′	Var 12′-74.4′	
"WO"	Var 11.4′-53.9′	Var 7.9′-50.8′	



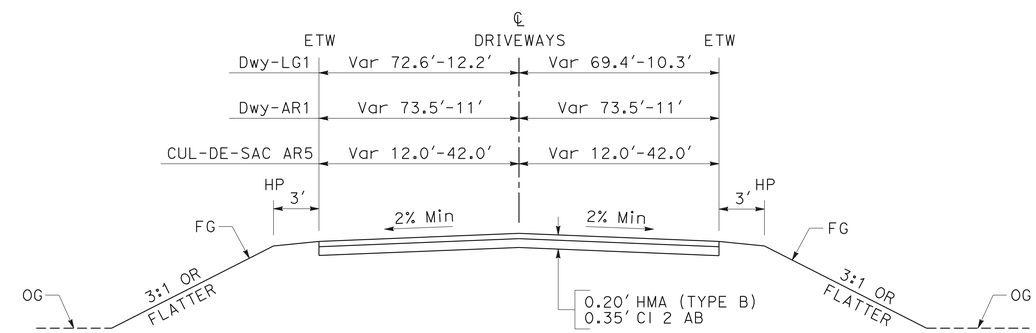
LOCAL STREETS

BUCHANAN HOLLOW Rd Sta "BH" 5+57.00 TO 8+50.00
ATHLONE Rd Sta "AT2" 2+47.00 TO 5+30.00
RANCH Rd Sta "RNCH" 2+92.11 TO 4+21.71
PIONEER Rd Sta "PI" 7+20.00 TO 10+30.00
LINGARD Rd Sta "LIN" 8+03.68 TO 8+40.15
WORDEN Ave Sta "WO" 3+20.00 TO 3+79.52



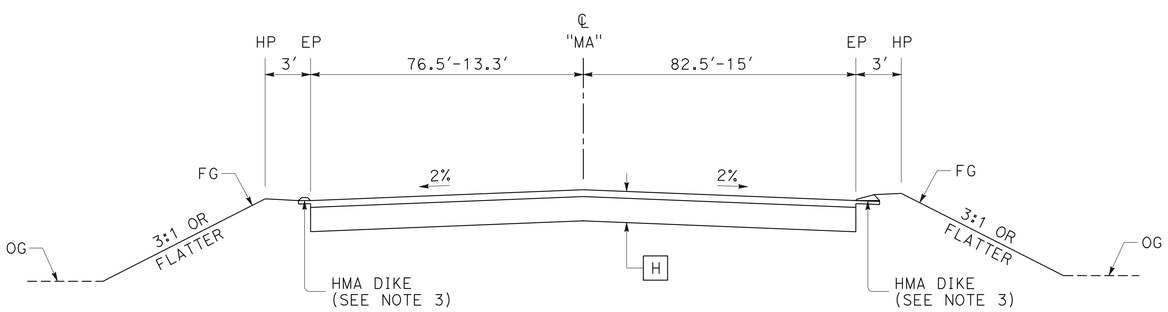
ATHLONE ROAD "AT1"

Sta "AT1" 5+50.00 TO Sta 8+50.00



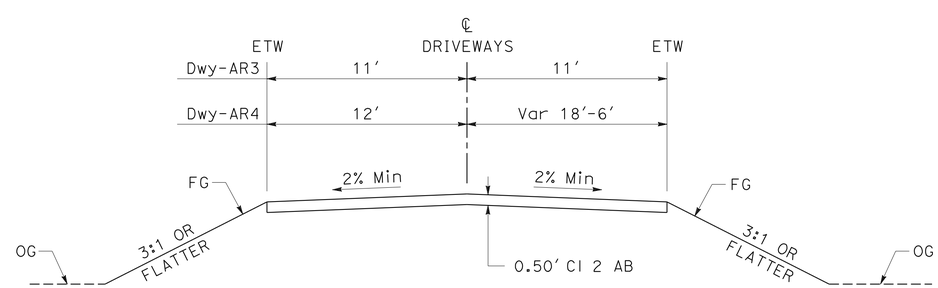
DRIVEWAYS

Sta Dwy-LG1 10+05.00 TO 10+90.00
Sta Dwy-AR1 8+23.80 TO 9+00.00
Sta CUL-DE-SAC AR5 10+00.00 TO 11+50.00



MARIPOSA WAY

Sta "MA" 4+96.76 TO 6+20.00



DRIVEWAYS

Sta Dwy-AR3 4+68.00 TO 4+00.00
Sta Dwy-AR4 5+60.00 TO 8+41.00

TYPICAL CROSS SECTIONS

NO SCALE

X-19

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED	FUNCTIONAL SUPERVISOR
MICAELA GARCIA	GILBERTO BACA	AO	09-01-09	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:51

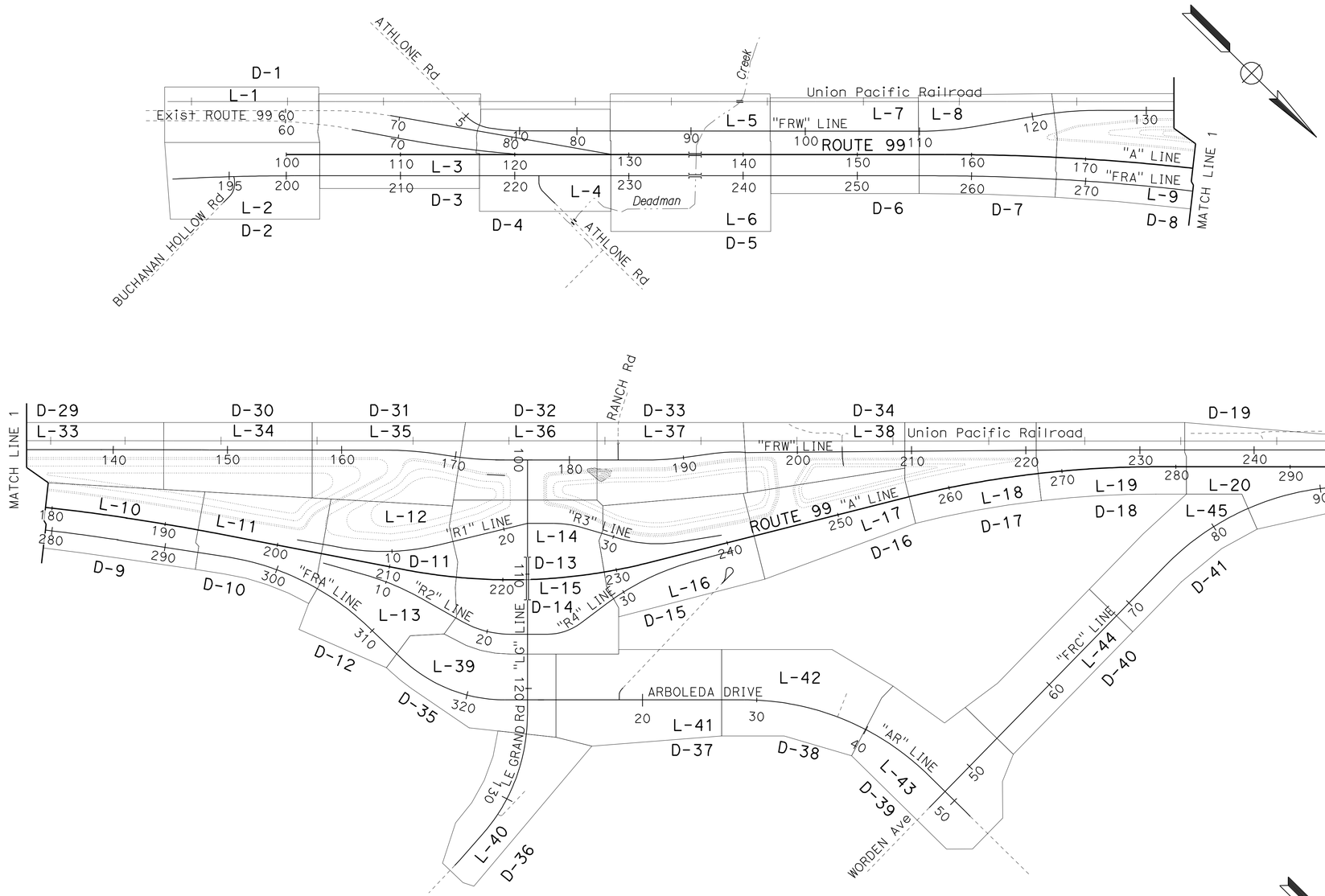
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	21	751

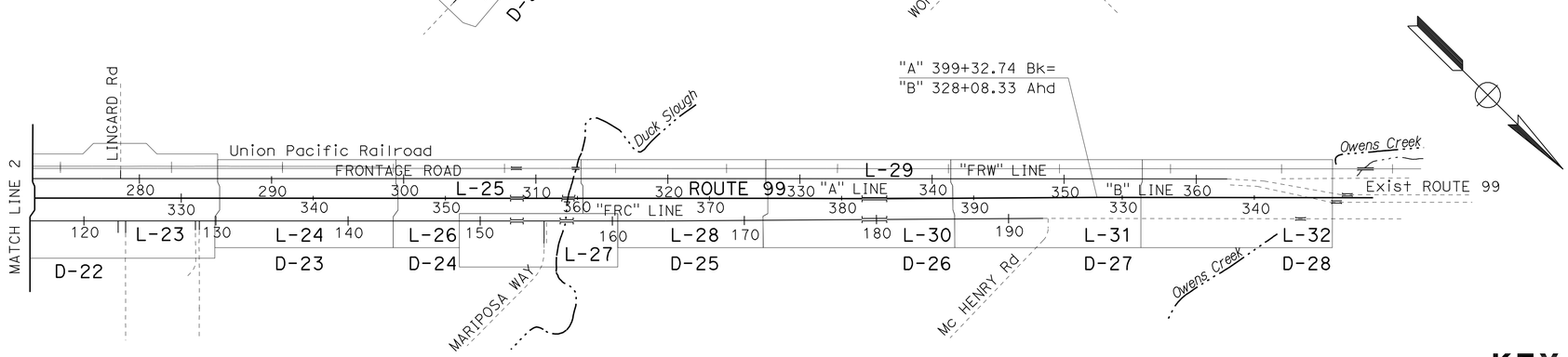
Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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.





KEY MAP AND LINE INDEX

NO SCALE

K-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

CALCULATED-DESIGNED BY	GILBERTO BACA	REVISED BY	AO
CHECKED BY	MICAELA GARCIA	DATE REVISED	03-19-09
FUNCTIONAL SUPERVISOR	ROBERTO BANDA		

LAST REVISION 07-30-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	22	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

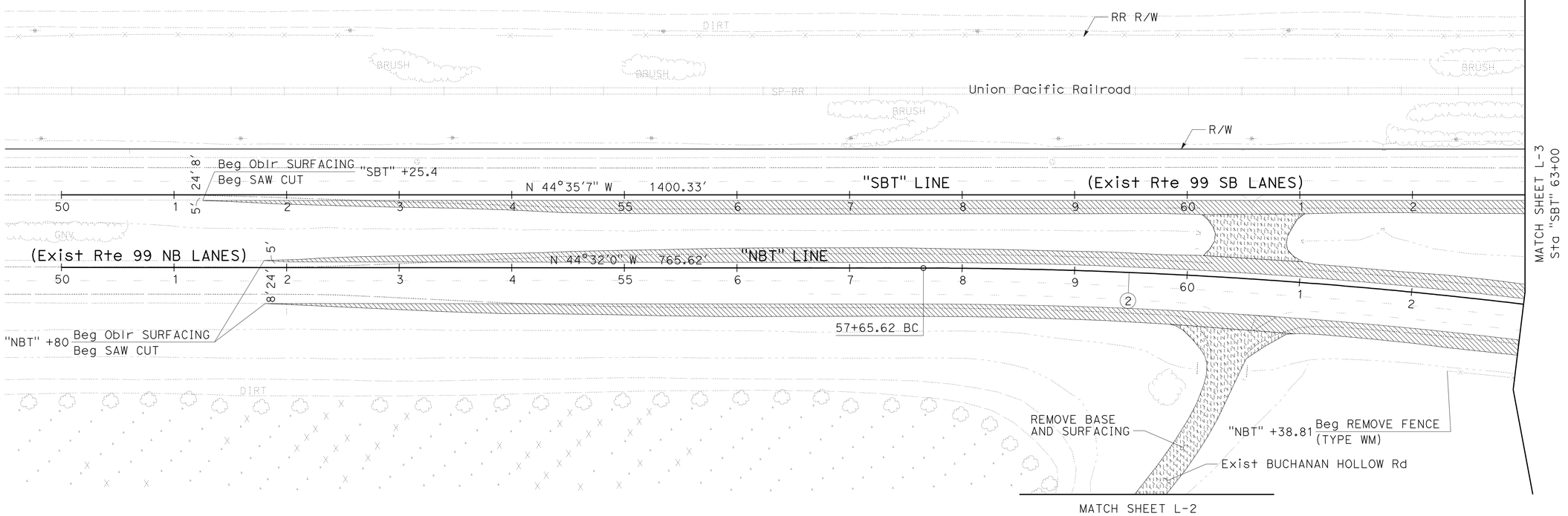
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL OFFSET DISTANCES ARE FROM "A" LINE (ROUTE 99) ℄ UNLESS OTHERWISE SHOWN.
3. FOR CURVE DATA INFORMATION NOT SHOWN SEE CONSTRUCTION DETAILS SHEETS.
4. FOR LIMITS OF FENCE, DIKE, AND MBGR SEE SUMMARY OF QUANTITIES SHEETS.
5. EDGE OF TRAVELED WAY AND EDGE OF SHOULDER AS SHOWN ON LAYOUT SHEETS. FOR EDGE OF PAVEMENT SEE TYPICAL CROSS SECTION SHEETS.
6. LOCATIONS OF SURVEY MONUMENT (TYPE D) WILL BE DETERMINED BY THE ENGINEER.

CURVE DATA

No.	R	Δ	T	L
(2)	4500.00′	10°23′18.85″	409.08′	815.92′



LEGEND

- REMOVE BASE AND SURFACING
- COLD PLANE AC PAVEMENT
- OBLITERATE SURFACING
- MINOR CONCRETE (TEXTURED PAVING)
- ROCK SLOPE PROTECTION (BACKING No. 1, METHOD B)
- MANHOLE
- TFESA — Temp FENCE (TYPE ESA)

ABBREVIATIONS

AIL	ALTERNATIVE IN-LINE
Ang Pt	ANGLE POINT
ESA	ENVIRONMENTALLY SENSITIVE AREA
MID	MERCED IRRIGATION DISTRICT
MVP	MAINTENANCE VEHICLE PULLOUT
PG&E	PACIFIC GAS & ELECTRIC COMPANY
R/RC	REMOVE MBGR AND RECONSTRUCT AT NEW LOCATION (SEE SUMMARY OF QUANTITIES SHEET)
TCE	TEMPORARY CONSTRUCTION EASEMENT

LAYOUT
SCALE: 1" = 50′

L-1

REVISED BY	DATE REVISED
AO	08-01-09

GILBERTO BACA
ALEJANDRO CORREA
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	23	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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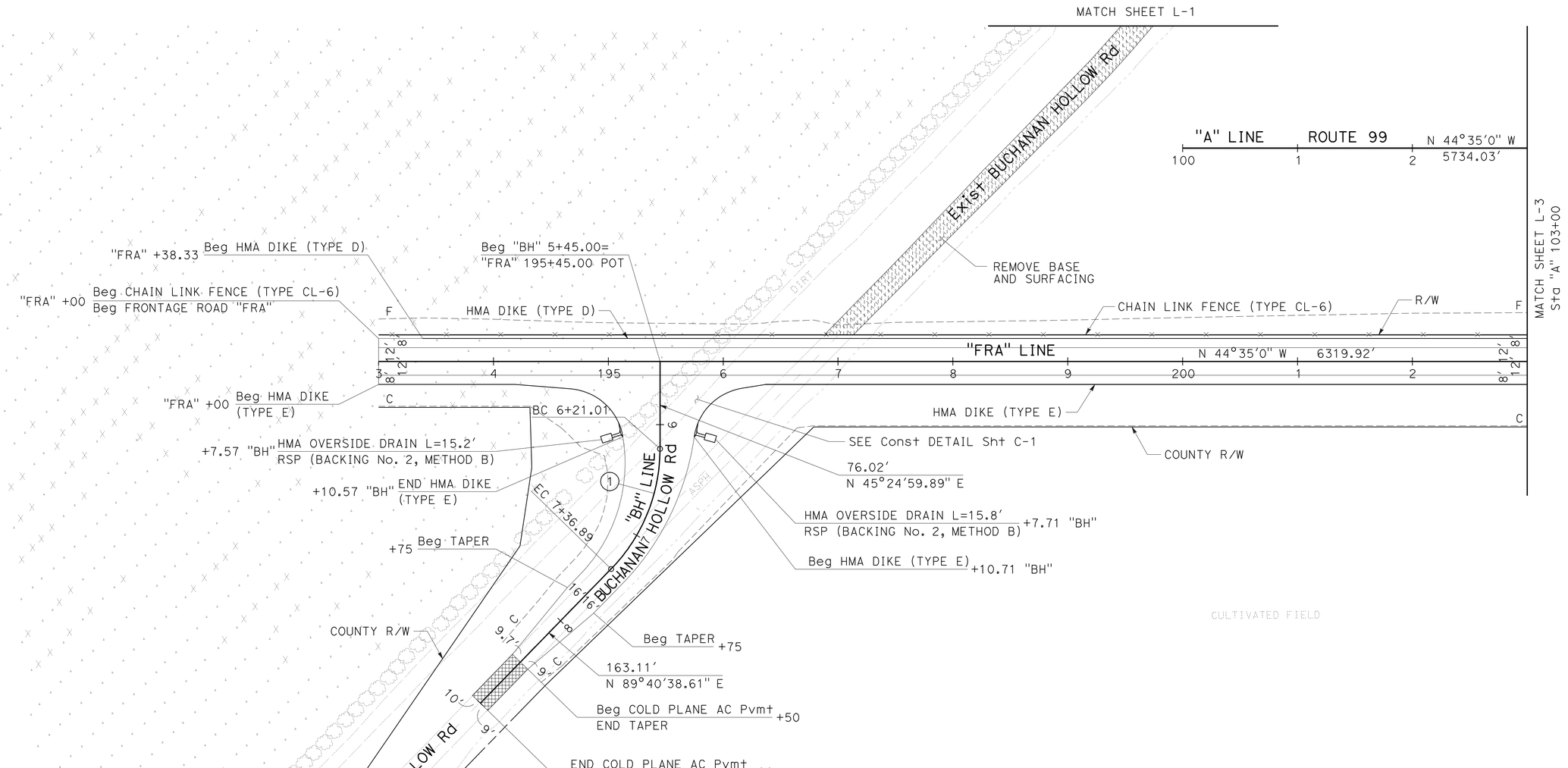
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
1	150.00′	44°15′38.72"	61.00′	115.87′



LAYOUT
SCALE: 1" = 50′

L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	24	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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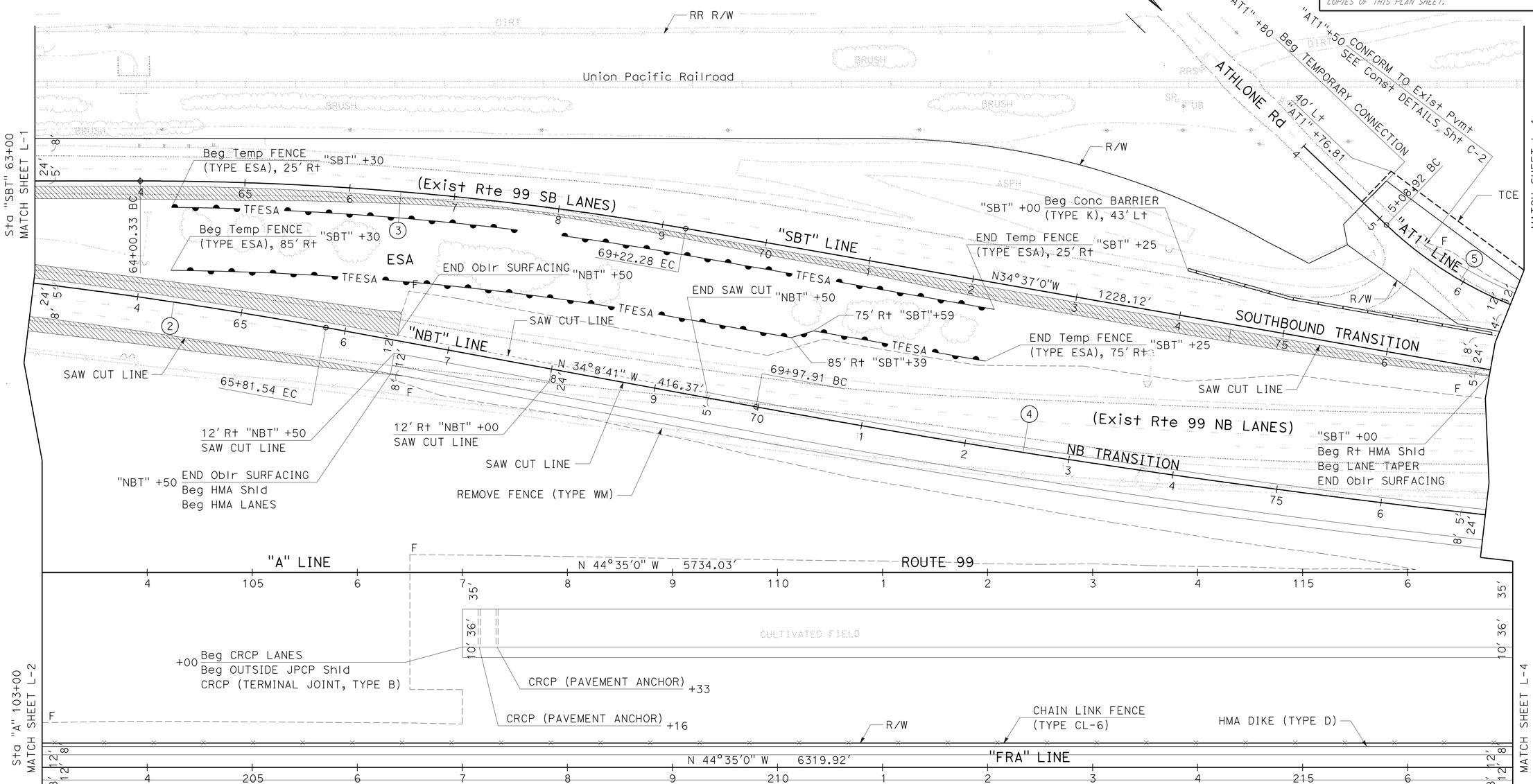
CURVE DATA

No.	R	Δ	T	L
2	4500.00′	10°23′18.85″	409.08′	815.92′
3	3000.00′	9°58′6.75″	261.64′	521.95′
4	10000.00′	5°21′51.88″	468.48′	936.27′
5	370.00′	34°40′57.04″	115.53′	223.97′



LAYOUT

SCALE: 1" = 50′

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:13

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlim
DGN FILE => a41570ea003.dgn
CU 06255
EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	25	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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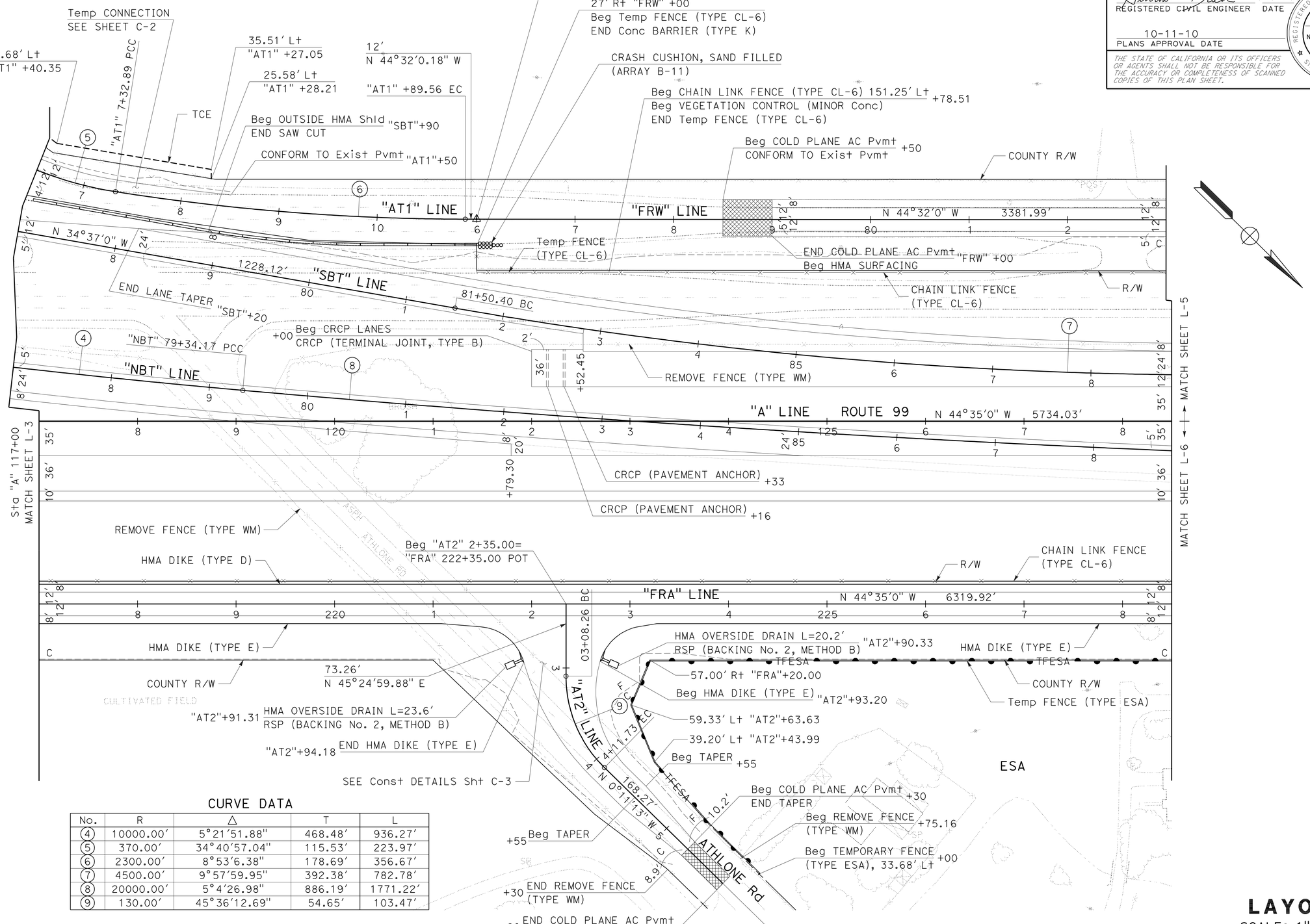

CURVE DATA

No.	R	Δ	T	L
4	10000.00'	5°21'51.88"	468.48'	936.27'
5	370.00'	34°40'57.04"	115.53'	223.97'
6	2300.00'	8°53'6.38"	178.69'	356.67'
7	4500.00'	9°57'59.95"	392.38'	782.78'
8	20000.00'	5°4'26.98"	886.19'	1771.22'
9	130.00'	45°36'12.69"	54.65'	103.47'

LAYOUT
SCALE: 1" = 50'

L-4

REVISED BY	DATE REVISED
AO	08-01-09

GILBERTO BACA — ALEJANDRO CORREA — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — 06-DESIGN — Caltrans

LAST REVISION 09-01-09 — DATE PLOTTED => 11-OCT-2010 — TIME PLOTTED => 16:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	26	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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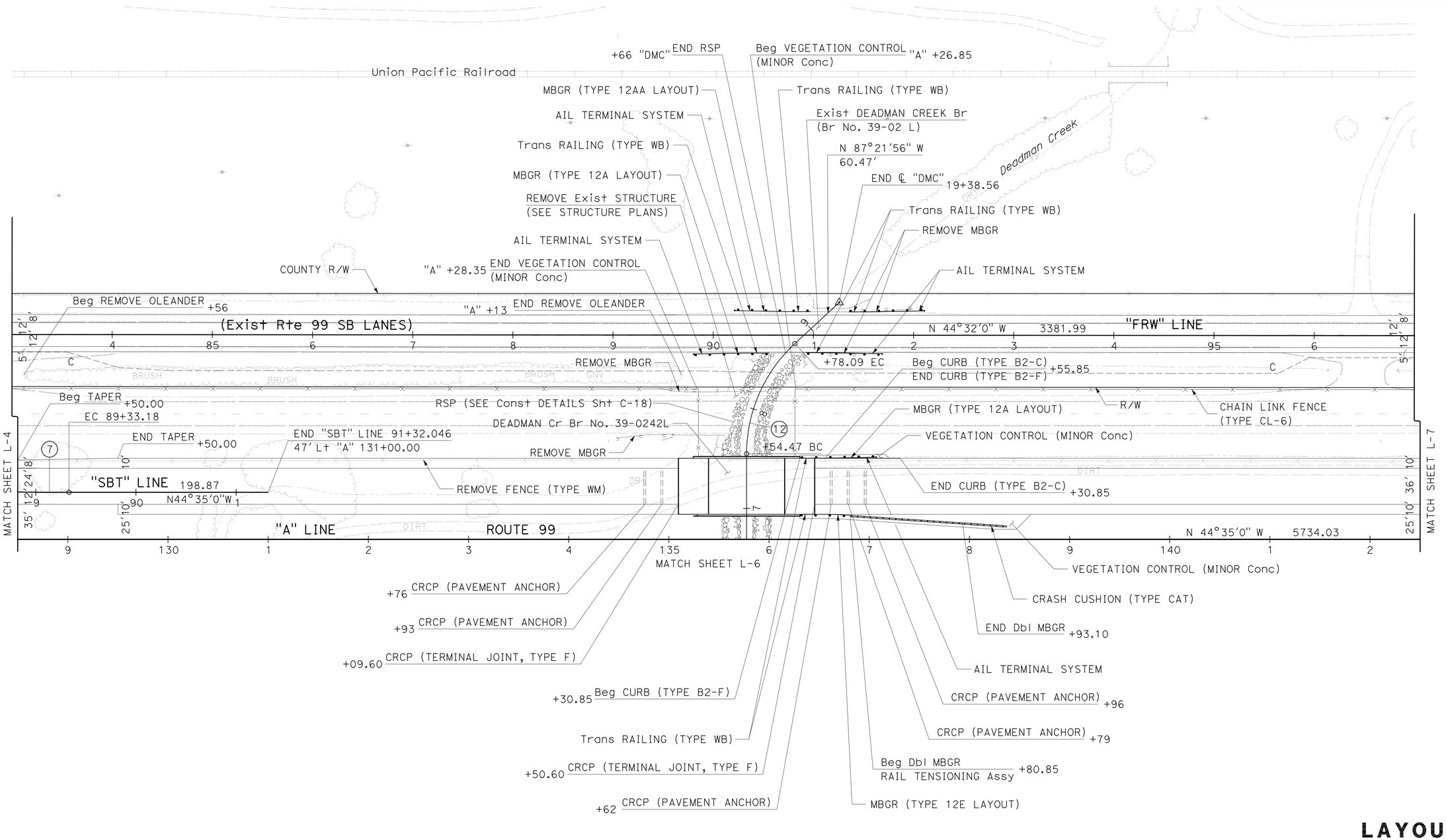
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
7	4500.00′	9°57′59.95"	392.38′	782.78′
12	150.00′	47°13′04"	65.56′	123.62′



LAYOUT

SCALE: 1" = 50′

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	27	751

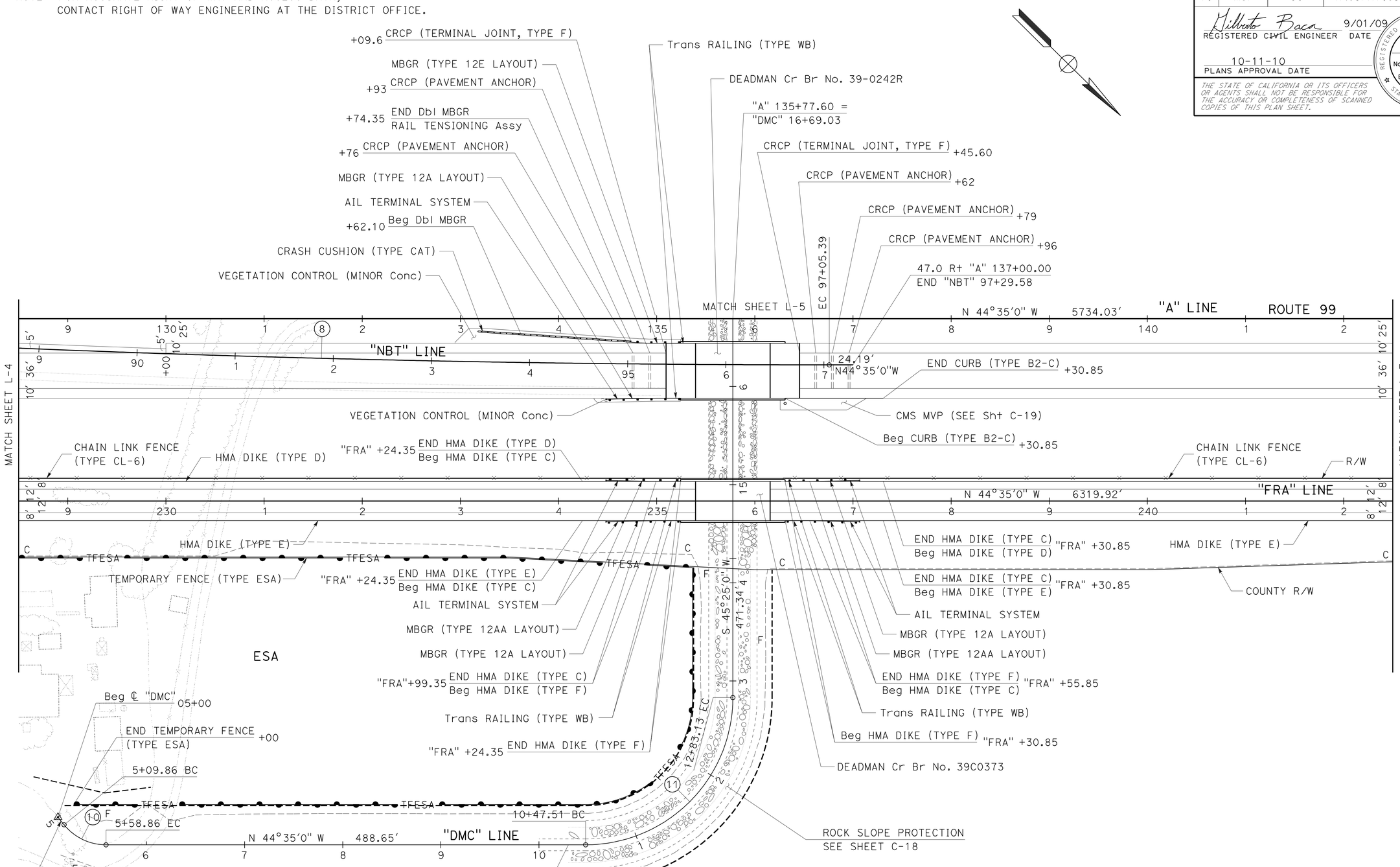
Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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
8	20000.00′	5°4′26.98"	886.19′	1771.22′
10	55.00′	51°3′04"	26.26′	49.01′
11	150.00′	90°0′00"	150.00′	235.62′

LAYOUT
SCALE: 1" = 50′

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	28	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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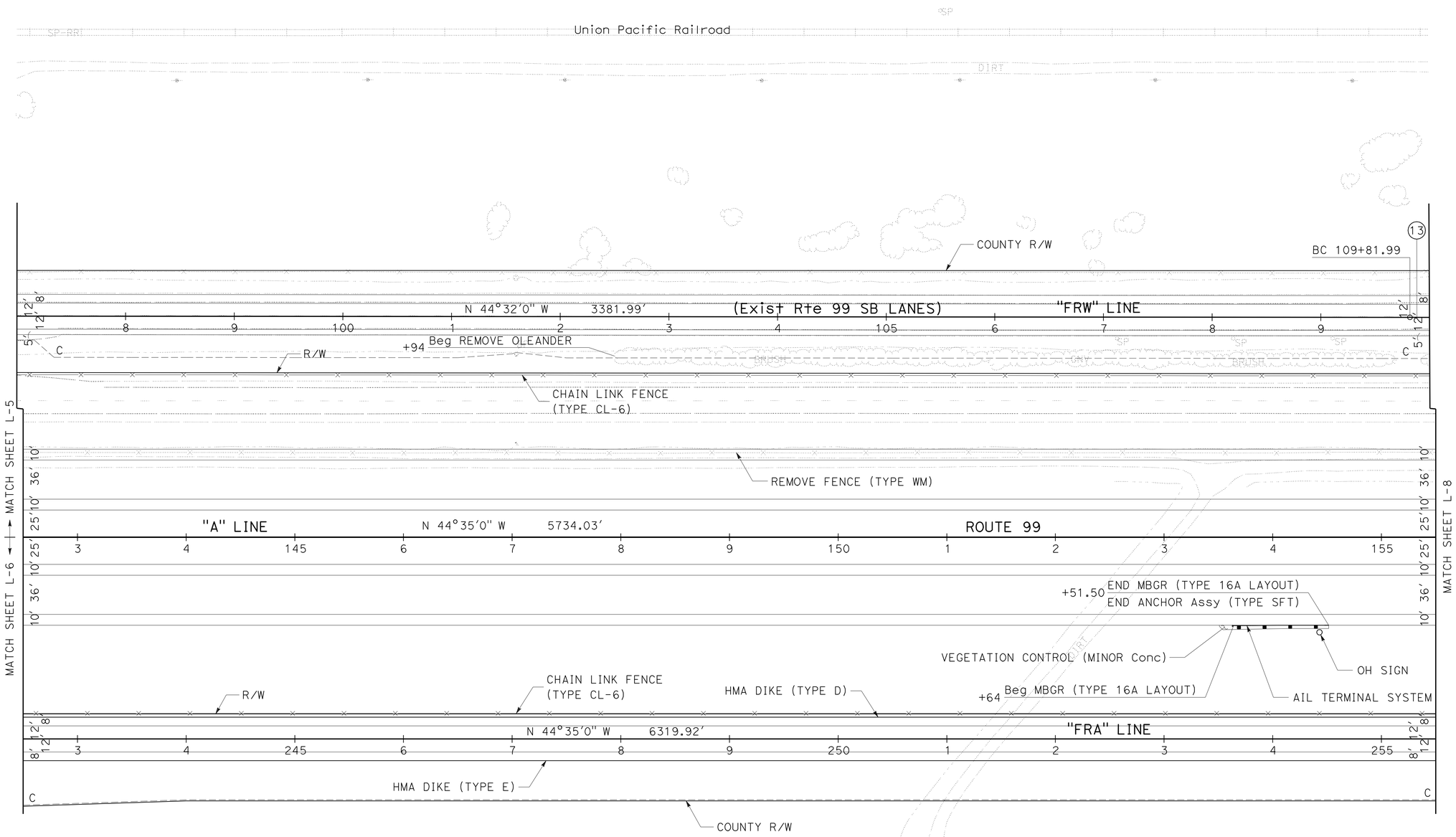
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
13	3000.00′	9°55′0.01"	260.27′	519.24′



LAYOUT

SCALE: 1" = 50′

L-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	29	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

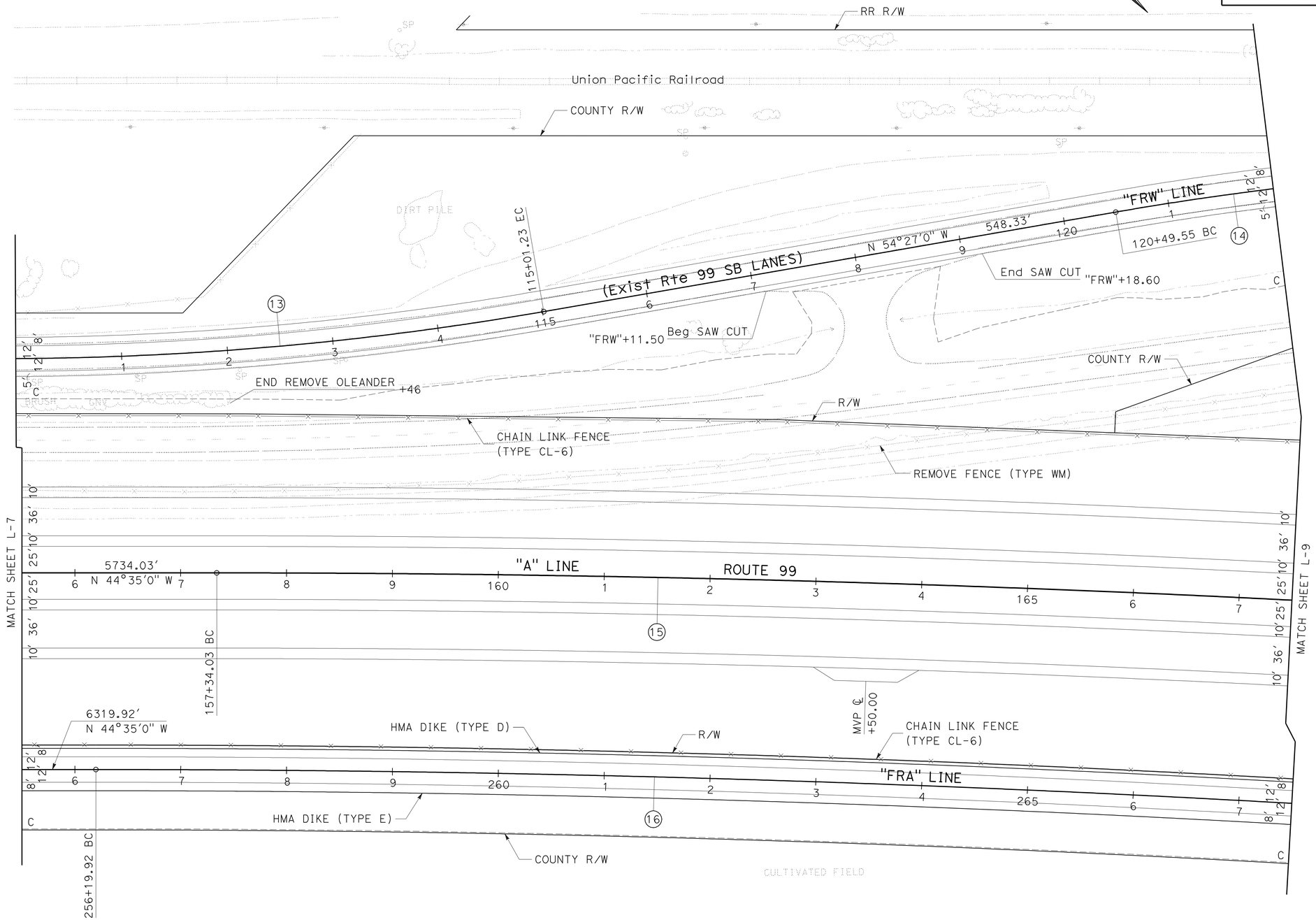
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
13	3000.00′	9°55′0.01″	260.27′	519.24′
14	3000.00′	9°55′0.34″	260.27′	519.24′
15	20000.00′	10°56′20.90″	1915.06′	3818.48′
16	20000.00′	8°45′58.40″	1532.99′	3059.99′



LAYOUT

SCALE: 1" = 50′

L-8

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:14

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlim
DGN FILE => a41570ea008.dgn
CU 06255
EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	30	751

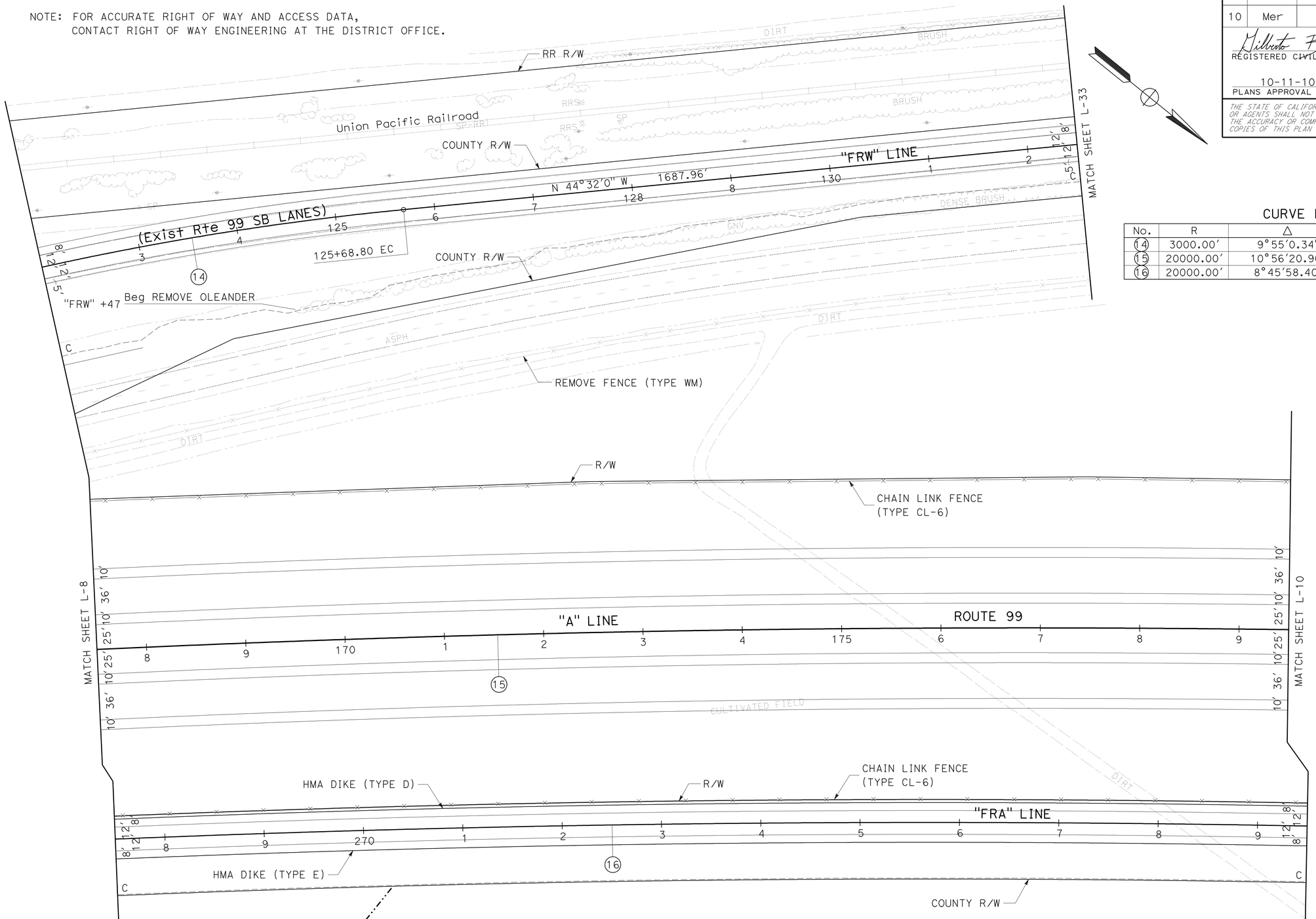
Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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
14	3000.00′	9°55′0.34″	260.27′	519.24′
15	20000.00′	10°56′20.90″	1915.06′	3818.48′
16	20000.00′	8°45′58.40″	1532.99′	3059.99′

LAYOUT

SCALE: 1" = 50′

L-9

REVISED BY	AO
DATE REVISED	08-01-09
GILBERTO BACA	
ALEJANDRO CORREA	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
ROBERTO BANDA	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	31	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

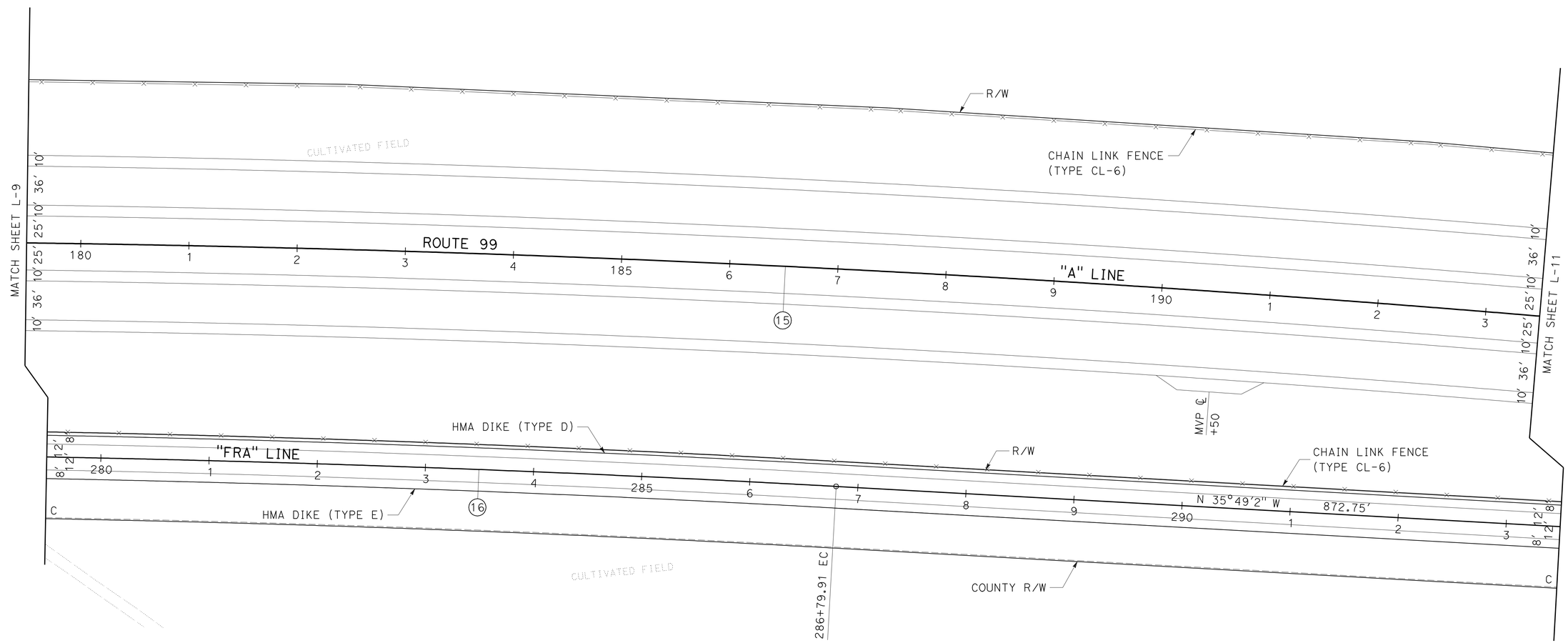
REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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
15	20000.00′	10°56′20.90″	1915.06′	3818.48′
16	20000.00′	8°45′58.40″	1532.99′	3059.99′



LAYOUT

SCALE: 1" = 50′

L-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	32	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

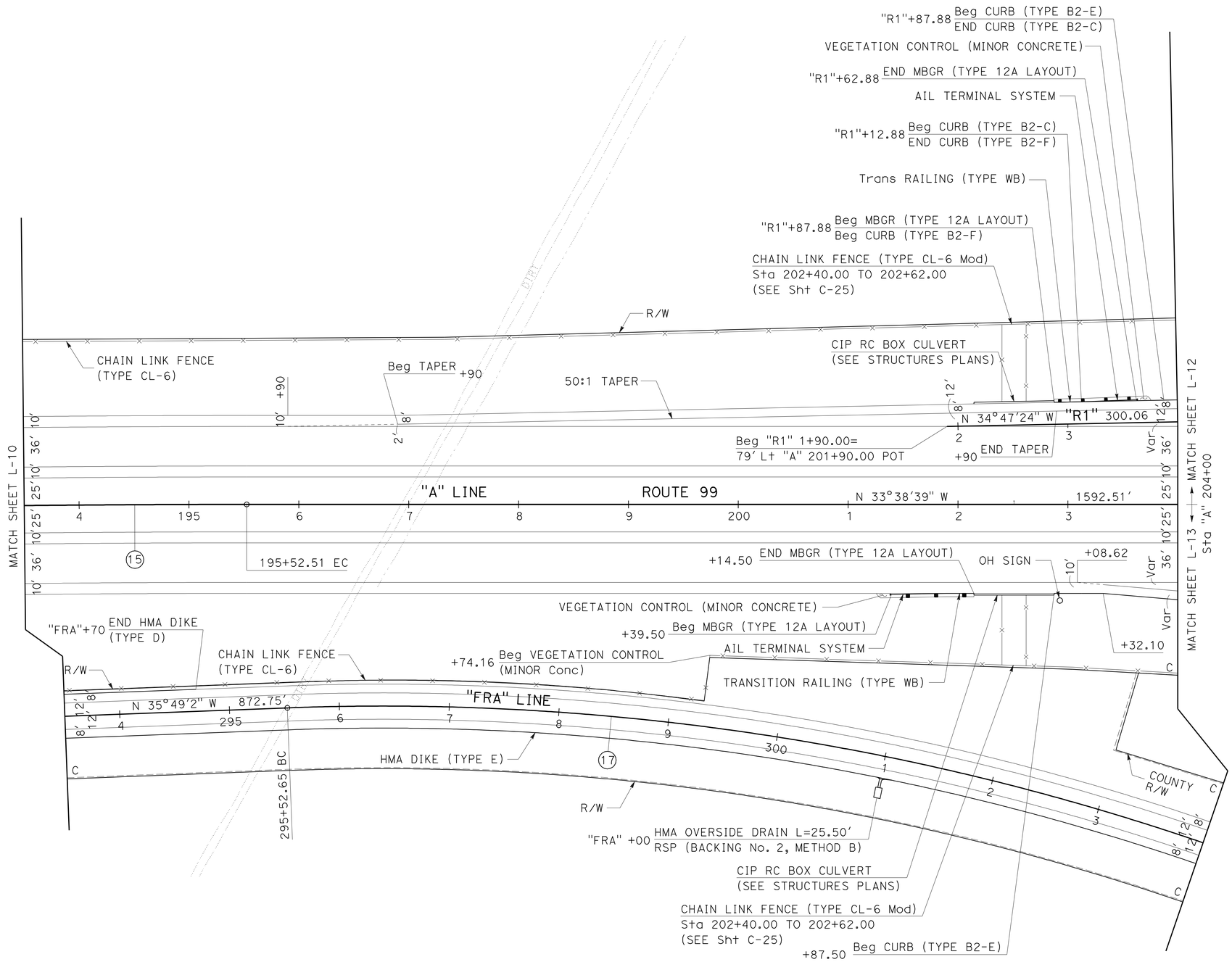
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
15	20000.00′	10°56′20.90″	1915.06′	3818.48′
17	2300.00′	27°46′26.22″	568.64′	1114.92′



LAYOUT

SCALE: 1" = 50′

L-11

REVISED BY	DATE REVISED
AO	08-01-09

GILBERTO BACA — CALCULATED-DESIGNED BY
ALEJANDRO CORREA — CHECKED BY
ROBERTO BANDA — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	33	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

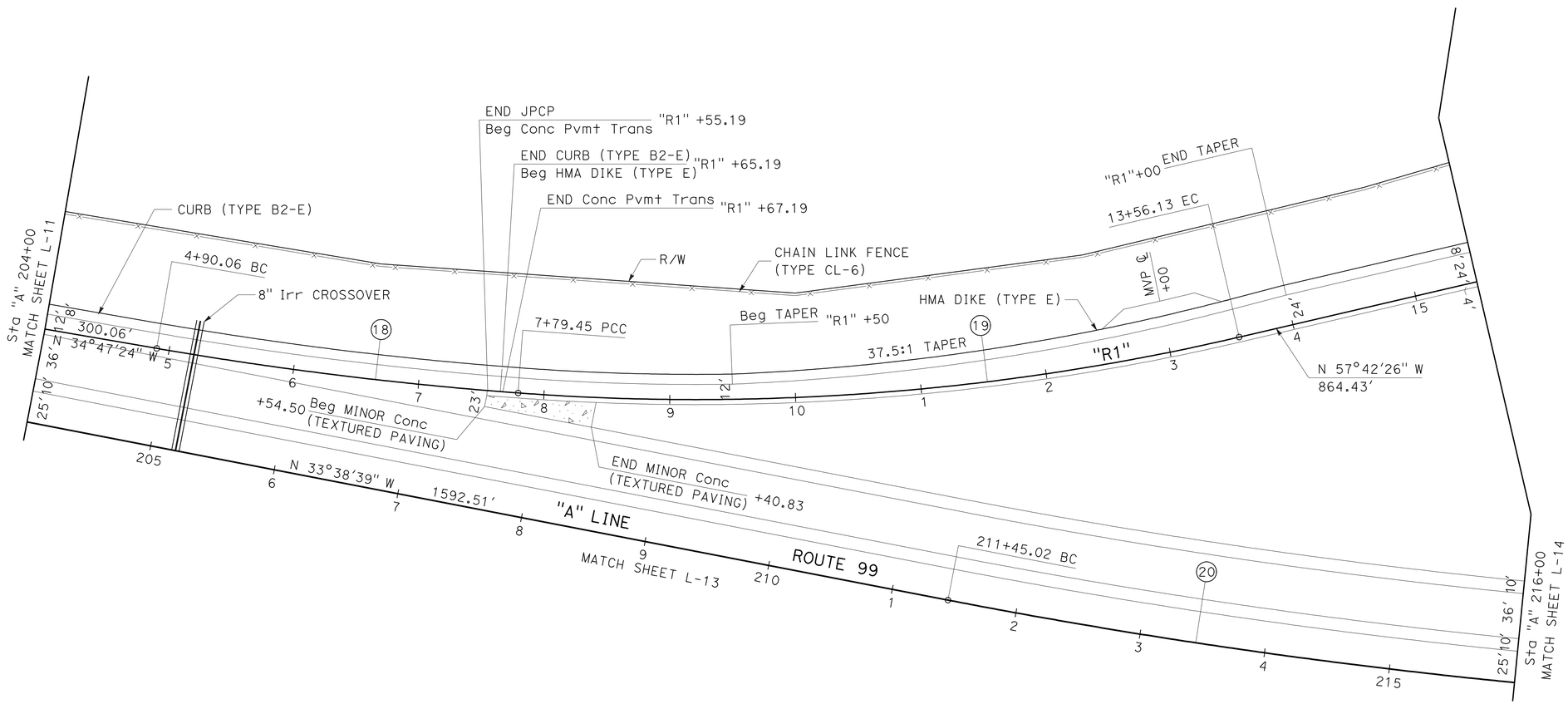
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
18	3000.00′	5°31′37.11"	144.81′	289.39′
19	1900.00′	17°23′24.68"	290.57′	576.68′
20	4900.00′	25°9′5.45"	1093.10′	2150.99′



LAYOUT

SCALE: 1" = 50′

L-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 08-01-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:14

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => triim | DGN FILE => a41570ea012.dgn | CU 06255 | EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	34	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

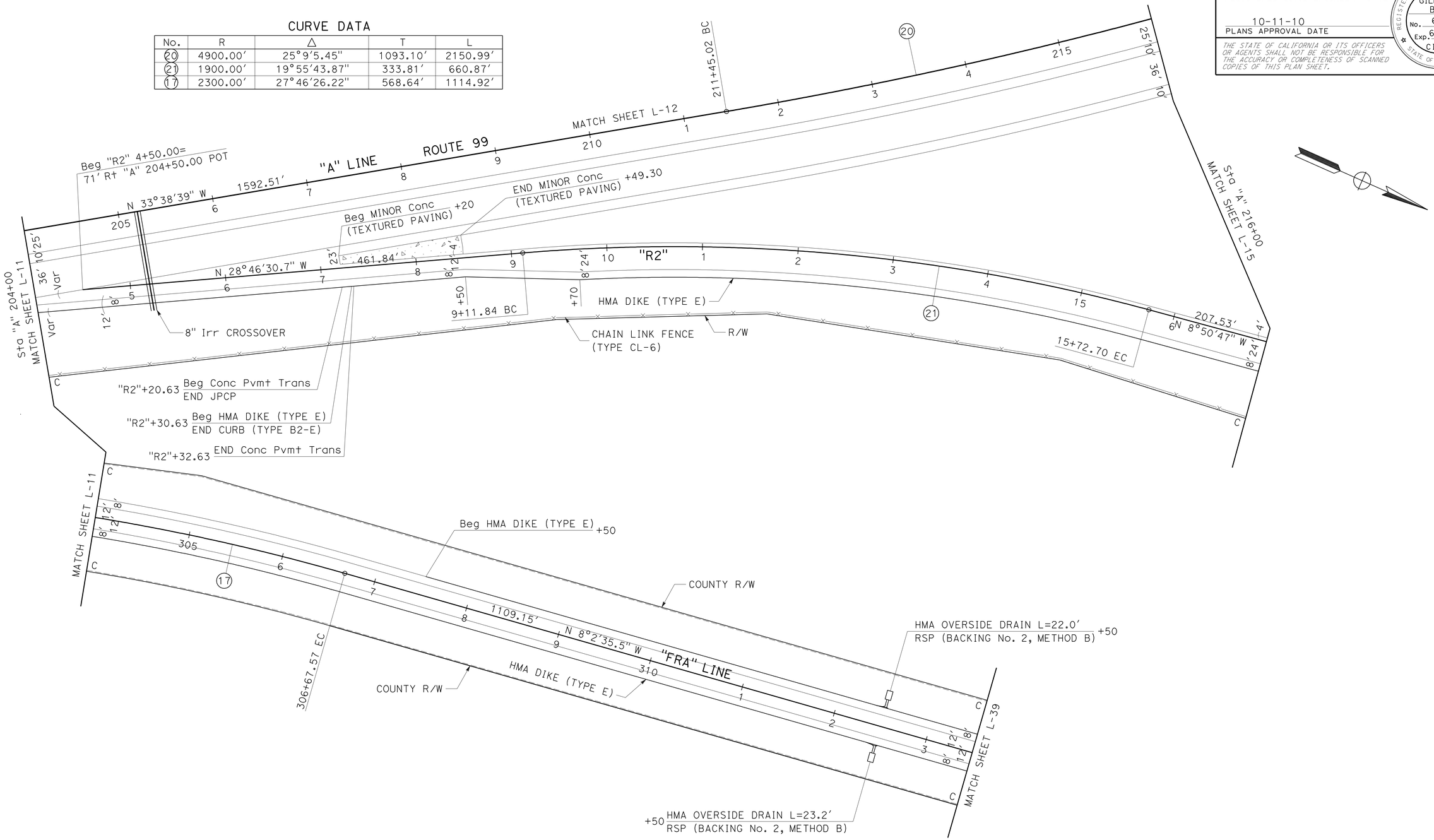
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
20	4900.00′	25°9′5.45"	1093.10′	2150.99′
21	1900.00′	19°55′43.87"	333.81′	660.87′
17	2300.00′	27°46′26.22"	568.64′	1114.92′



LAYOUT

SCALE: 1" = 50′

L-13

REVISED BY	DATE REVISED
AO	08-01-09

GILBERTO BACA — CALCULATED-DESIGNED BY
ALEJANDRO CORREA — CHECKED BY
ROBERTO BANDA — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	35	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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
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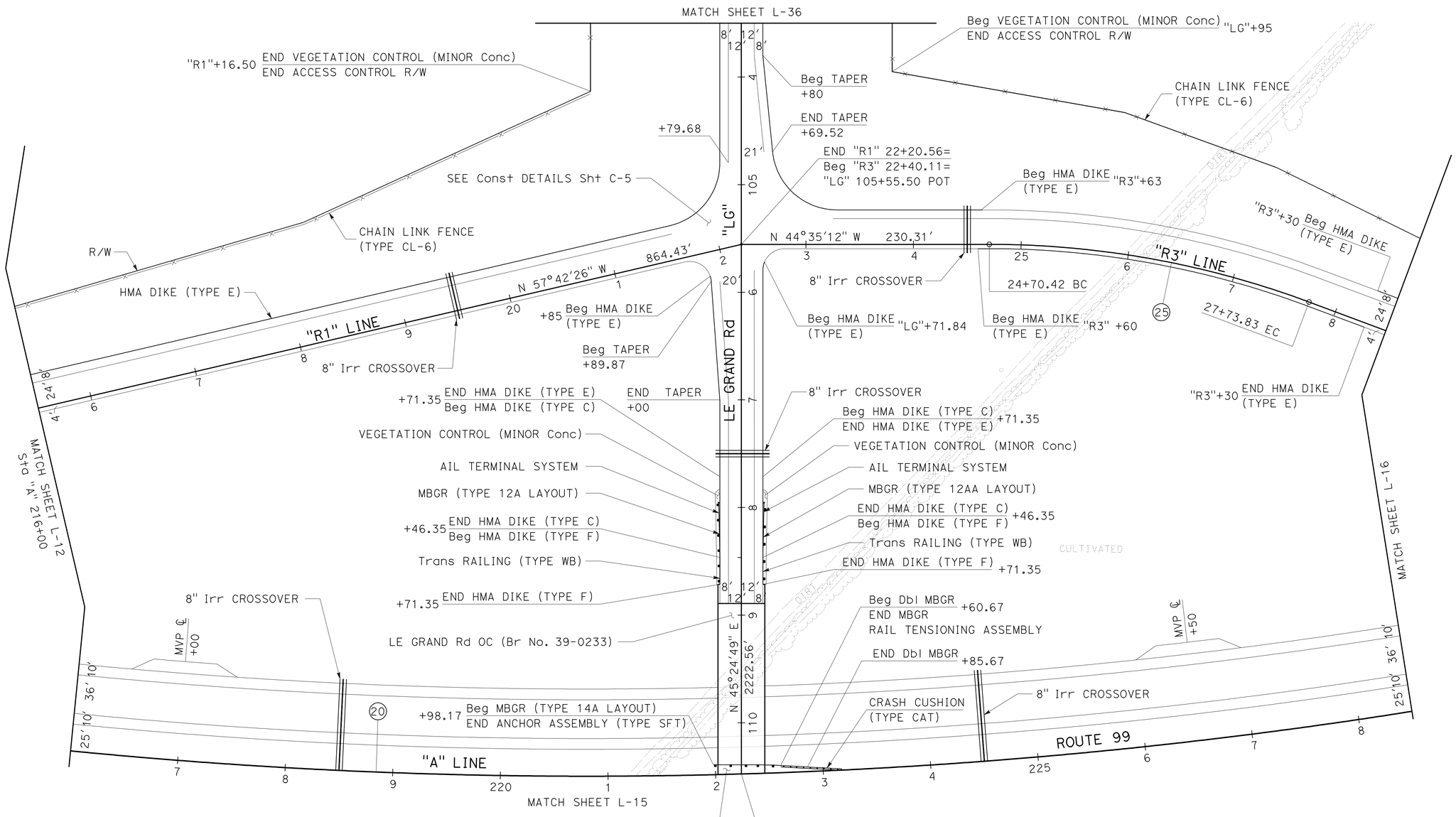
20	4900.00′	25°9′5.45″	1093.10′	2150.99′



LAYOUT

SCALE: 1" = 50′

L-14

GILBERTO BACA	REVISED BY
ALEJANDRO CORREA	DATE REVISED
CALCULATED-DESIGNED BY	AO
CHECKED BY	08-01-09
FUNCTIONAL SUPERVISOR	
ROBERTO BANDA	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	36	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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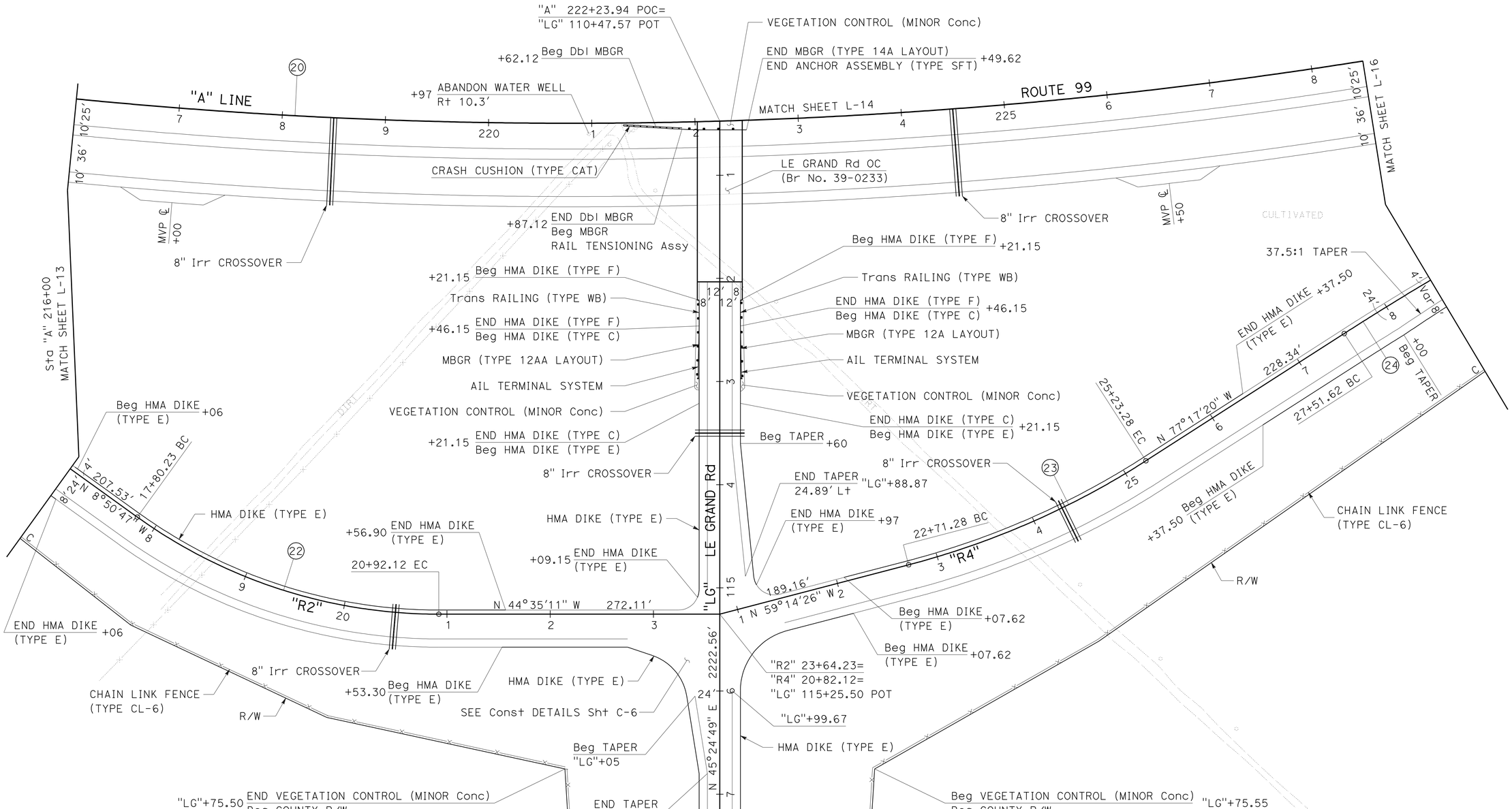
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
20	4900.00′	25°9′5.45"	1093.10′	2150.99′
22	500.00′	35°44′24.64"	161.21′	311.89′
23	800.00′	18°2′54.64"	127.05′	252.00′
24	3000.00′	17°20′50.95"	457.66′	908.31′



LAYOUT

SCALE: 1" = 50′

L-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
ROBERTO BANDA	GILBERTO BACA	ALEJANDRO CORREA	AO	08-03-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	37	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

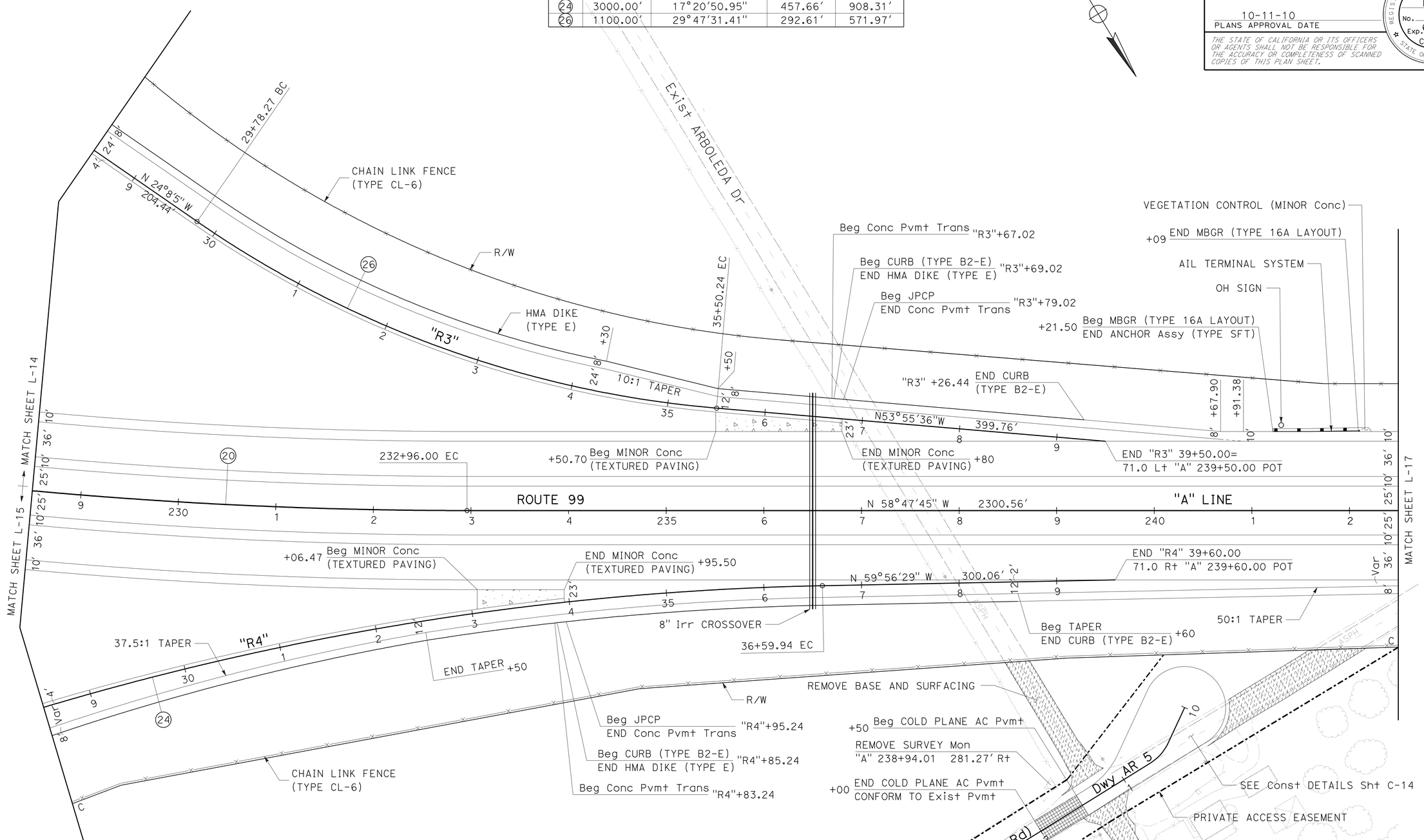
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
20	4900.00′	25°9′5.45″	1093.10′	2150.99′
24	3000.00′	17°20′50.95″	457.66′	908.31′
26	1100.00′	29°47′31.41″	292.61′	571.97′



LAYOUT
SCALE: 1" = 50′

L-16

GILBERTO BACA	REVISED BY	AO	CALCULATED-DESIGNED BY
MICAELA GARCIA	DATE REVISED	08-03-09	CHECKED BY

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	38	751

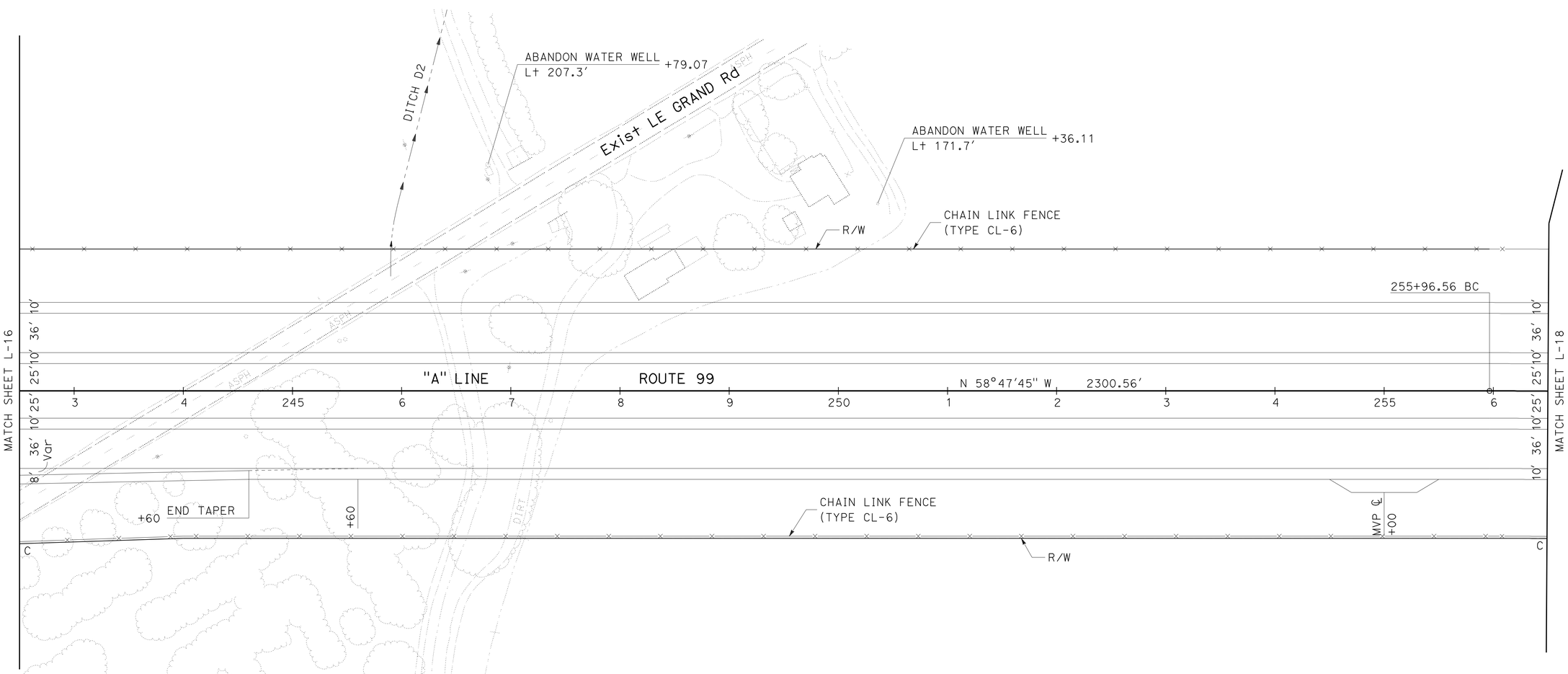
Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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
AO	08-03-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	39	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

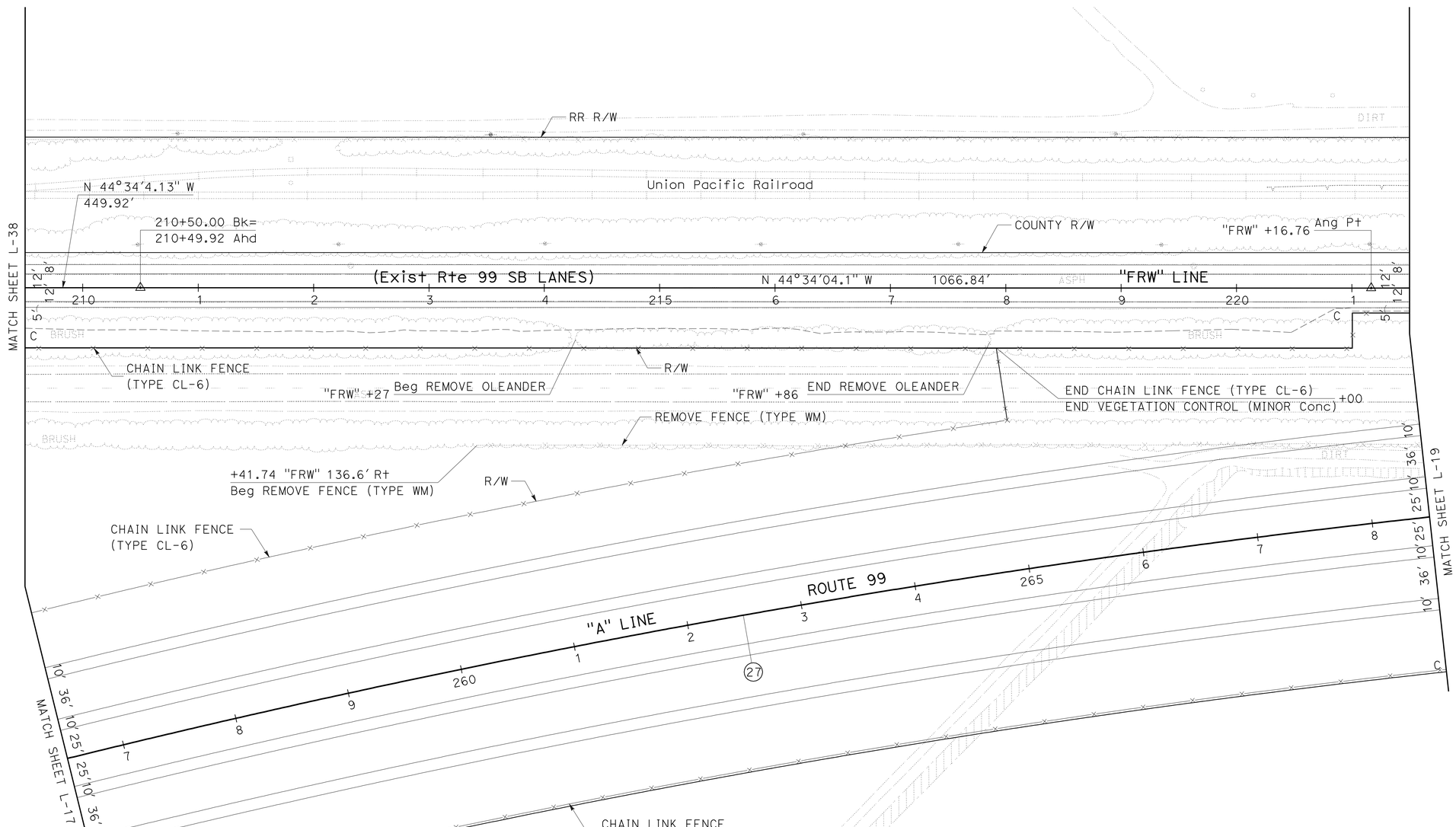
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
27	9000.00′	14°13′44.55"	1123.33′	2235.09′



LAYOUT
SCALE: 1" = 50′

L-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:15

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
27	9000.00′	14°13′44.55″	1123.33′	2235.09′

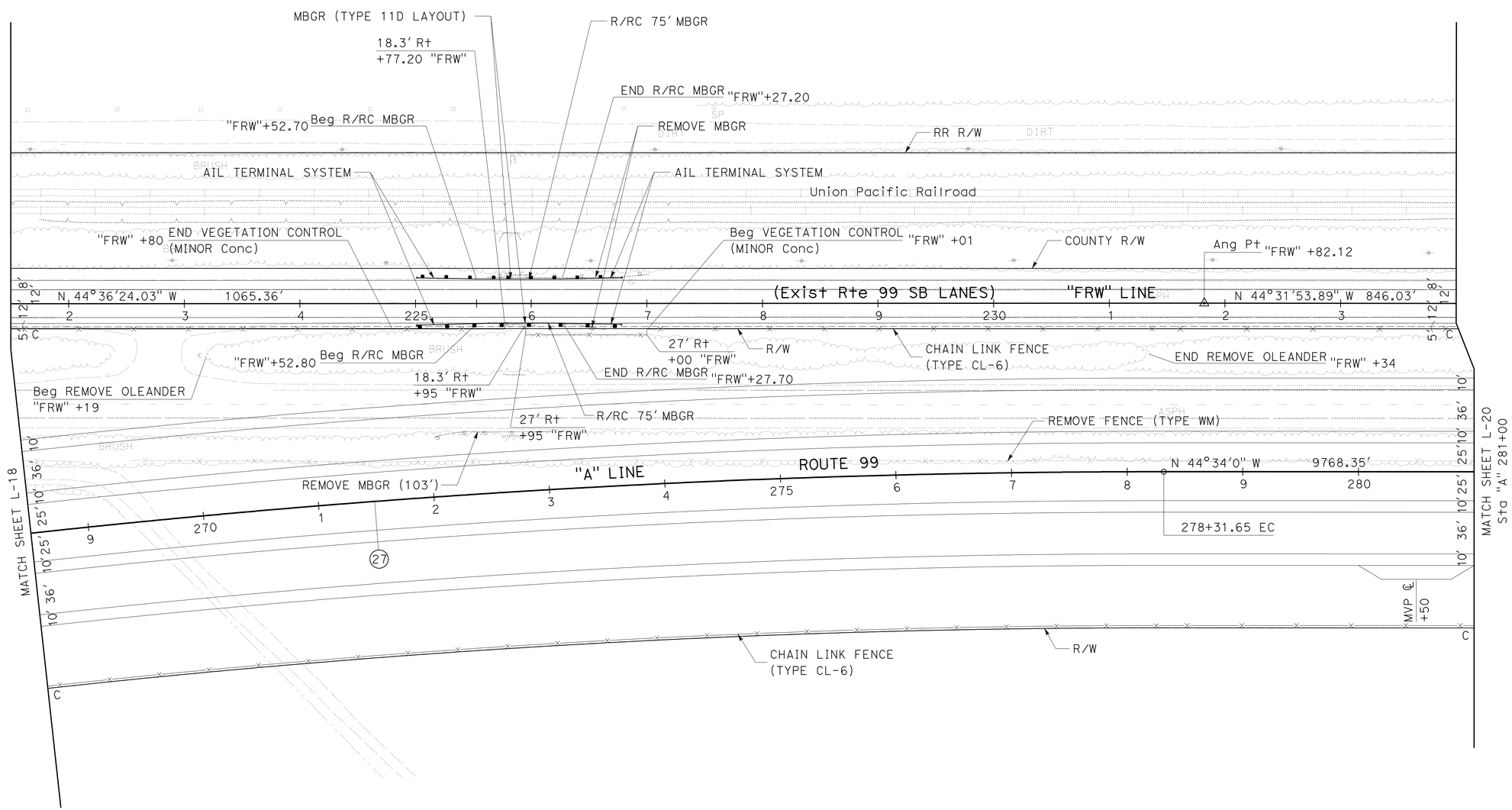
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	40	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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.



LAYOUT

SCALE: 1" = 50′

L-19

CALCULATED- DESIGNED BY			
CHECKED BY			
REVISED BY	AO		
DATE REVISED	08-03-09		
GILBERTO BACA			
MICAELA GARCIA			
FUNCTIONAL SUPERVISOR			
ROBERTO BANDA			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	41	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

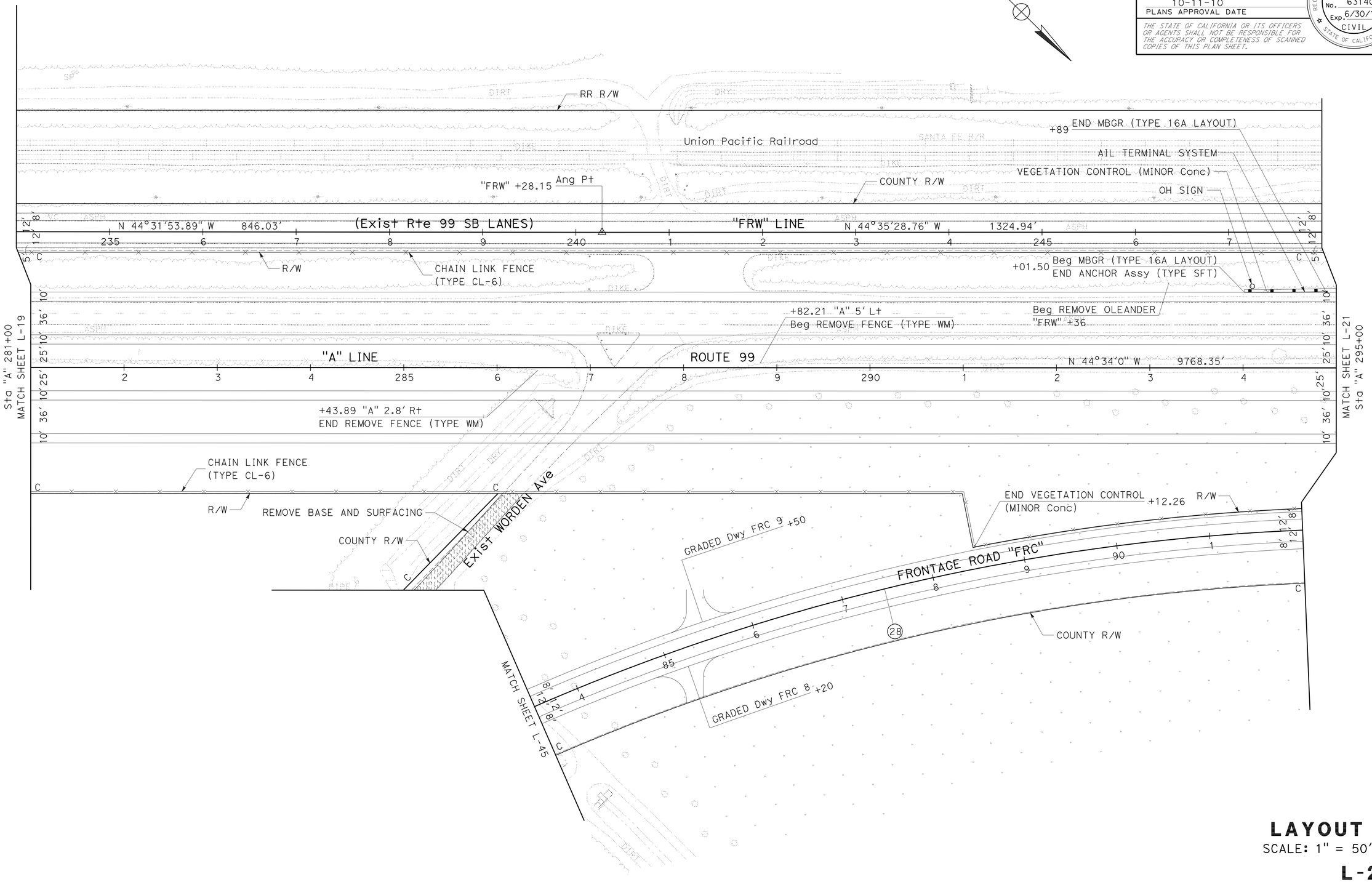
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
28	2300.00′	45°44′0.44″	969.98′	1835.86′



LAYOUT
SCALE: 1" = 50′

L-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: MICAELA GARCIA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:15

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
28	2300.00′	45°44′0.44″	969.98′	1835.86′

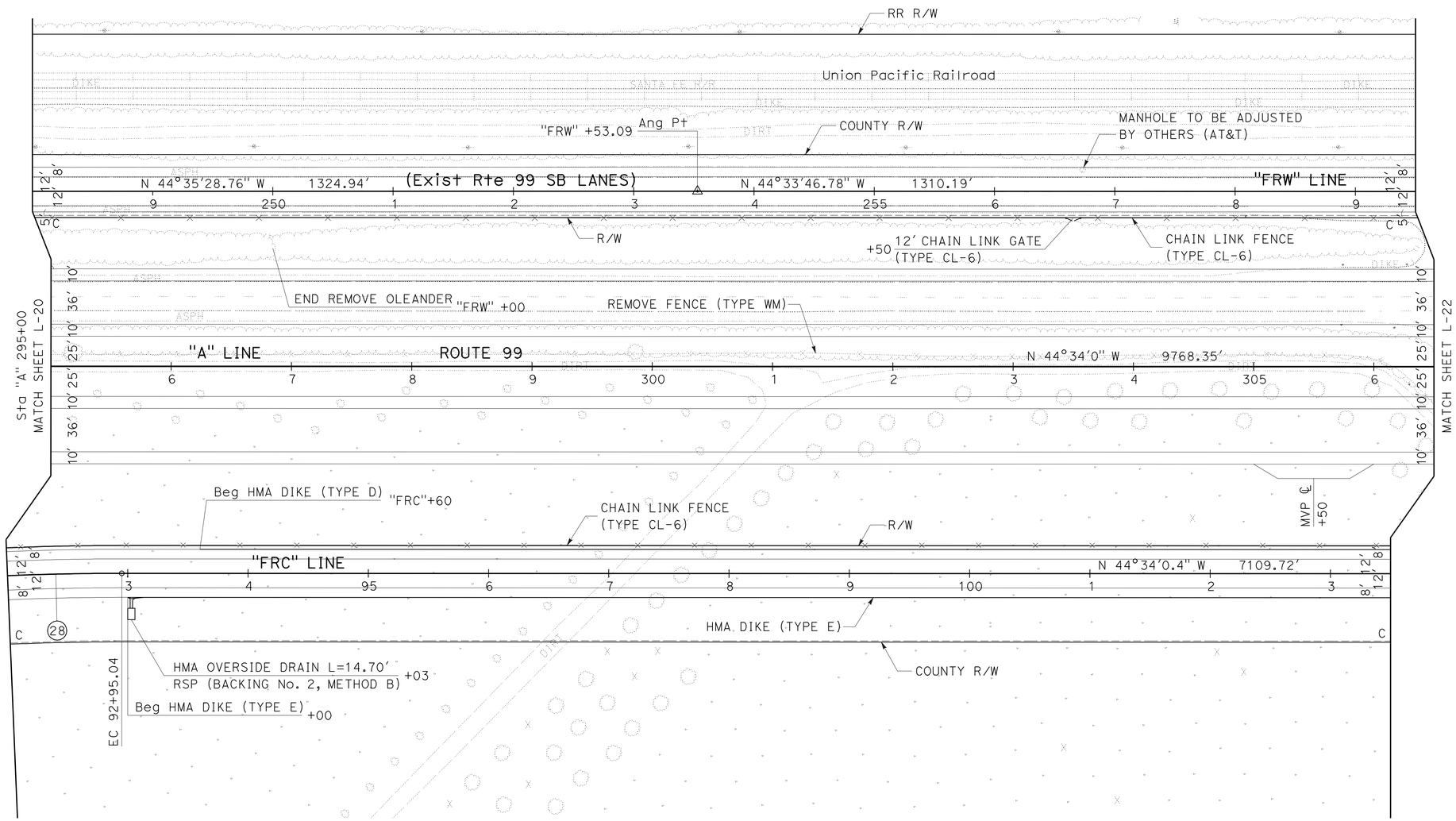
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	42	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 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.



LAYOUT

SCALE: 1" = 50′

L-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	43	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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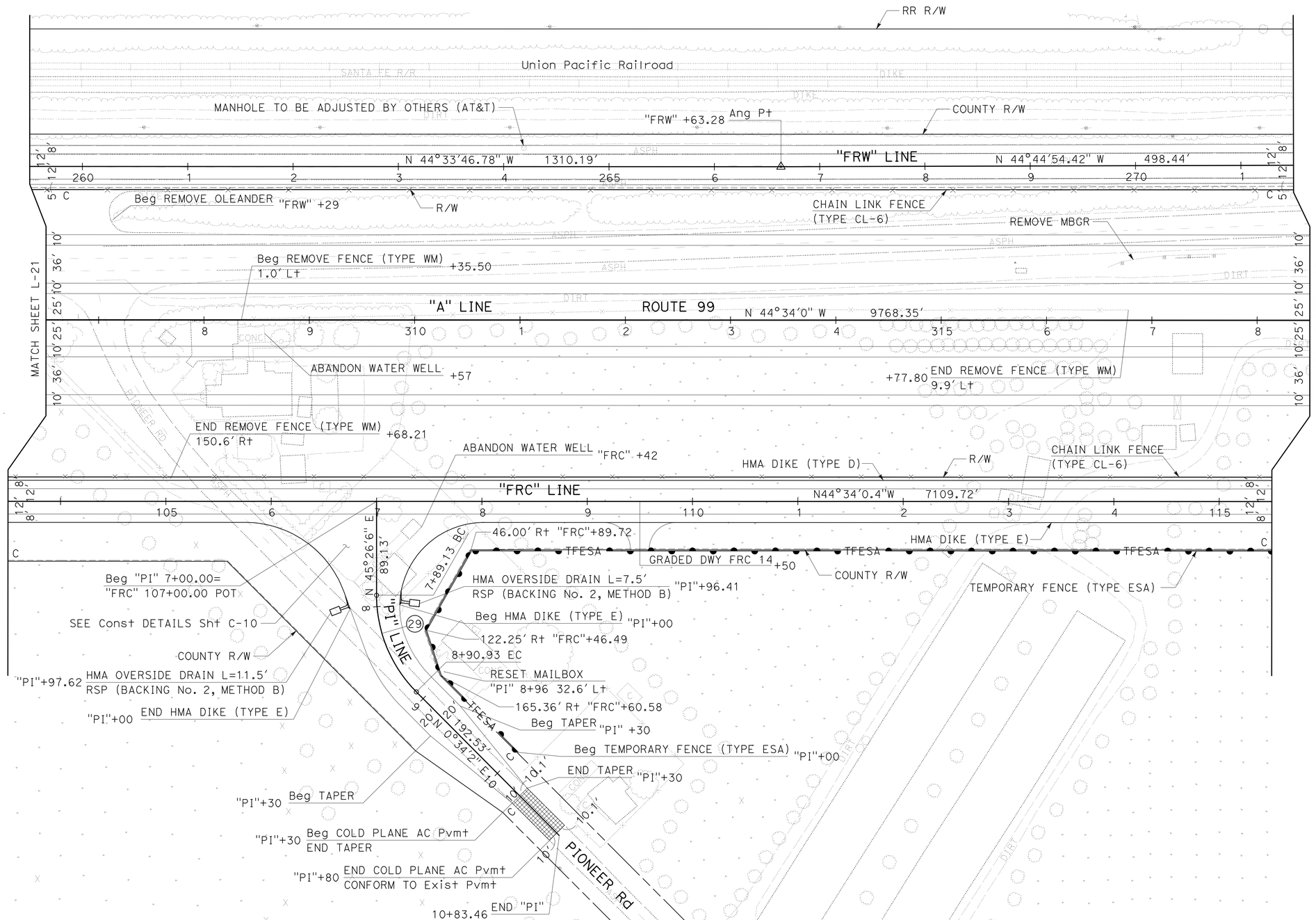
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
29	130.00′	44°52′3″	53.67′	101.80′



LAYOUT
SCALE: 1″ = 50′
L-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: MICAELA GARCIA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	44	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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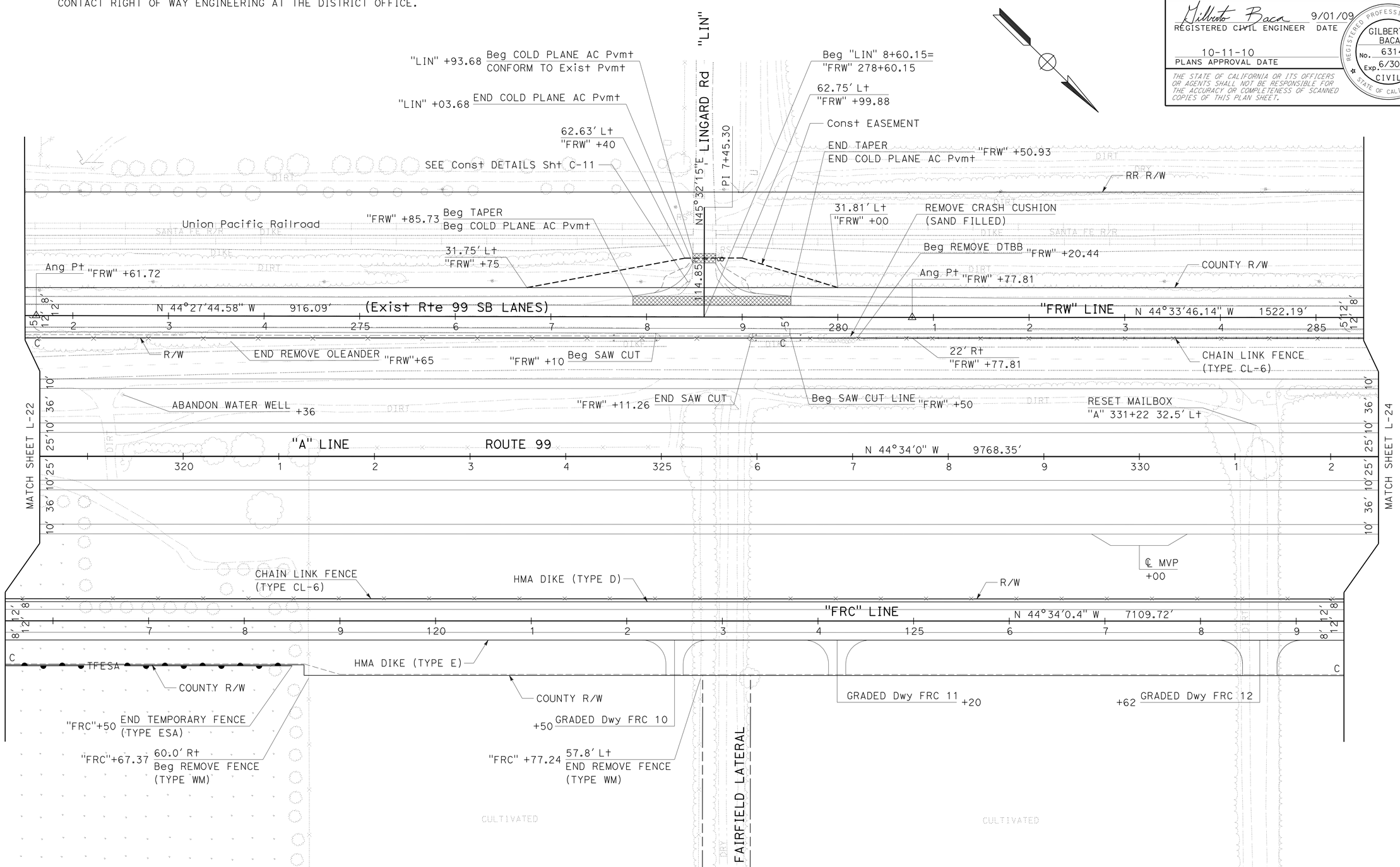
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-23

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: MICAELA GARCIA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	45	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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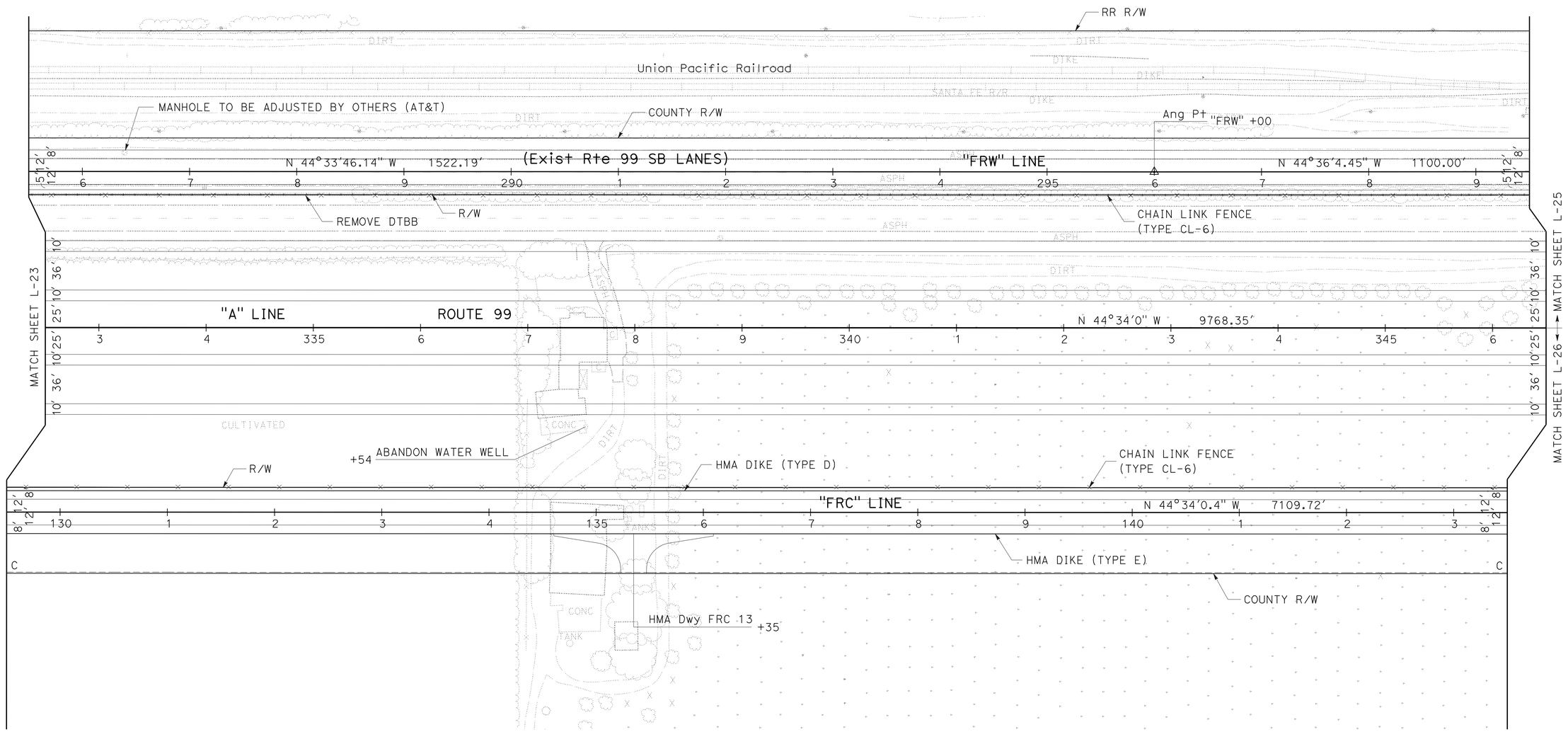
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'

L-24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-03-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	46	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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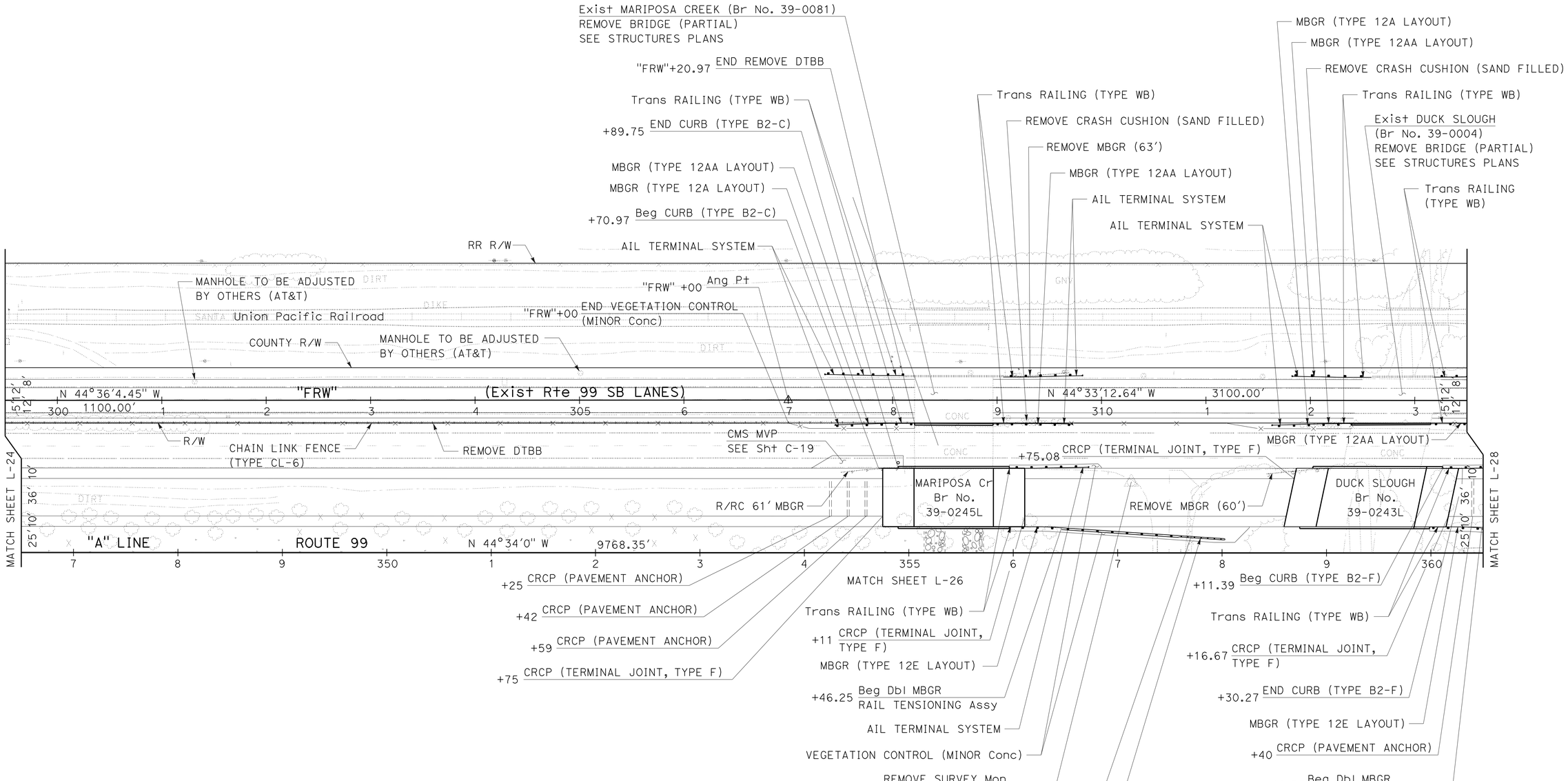
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-25

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED	FUNCTIONAL SUPERVISOR
GILBERTO BACA	MICAELA GARCIA	AO	08-03-09	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	47	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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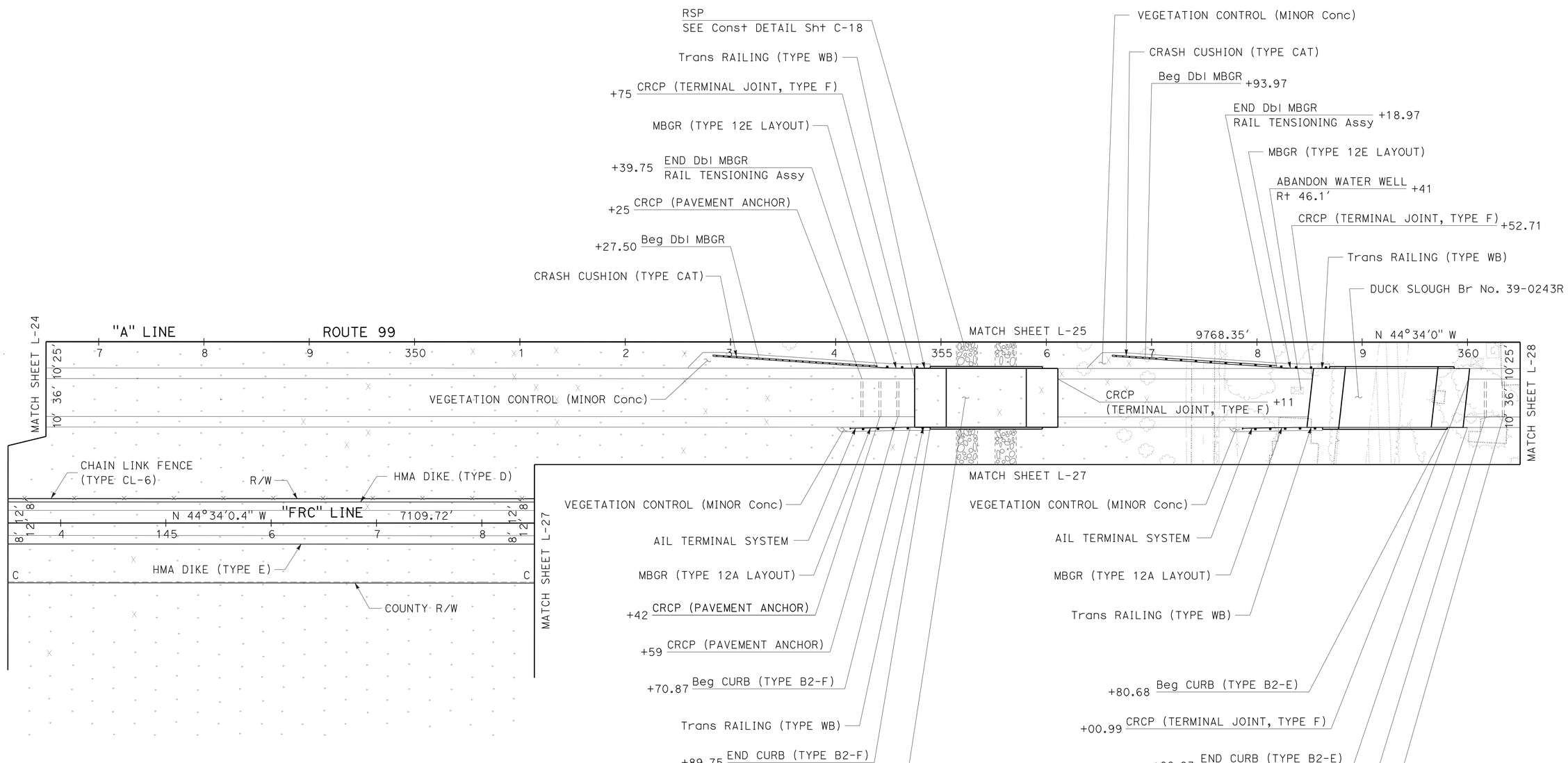

LAYOUT

SCALE: 1" = 50'

L-26

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED	FUNCTIONAL SUPERVISOR
GILBERTO BACA	MICAELA GARCIA	AO	08-03-09	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 DATE PLOTTED => 11-OCT-2010 TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	48	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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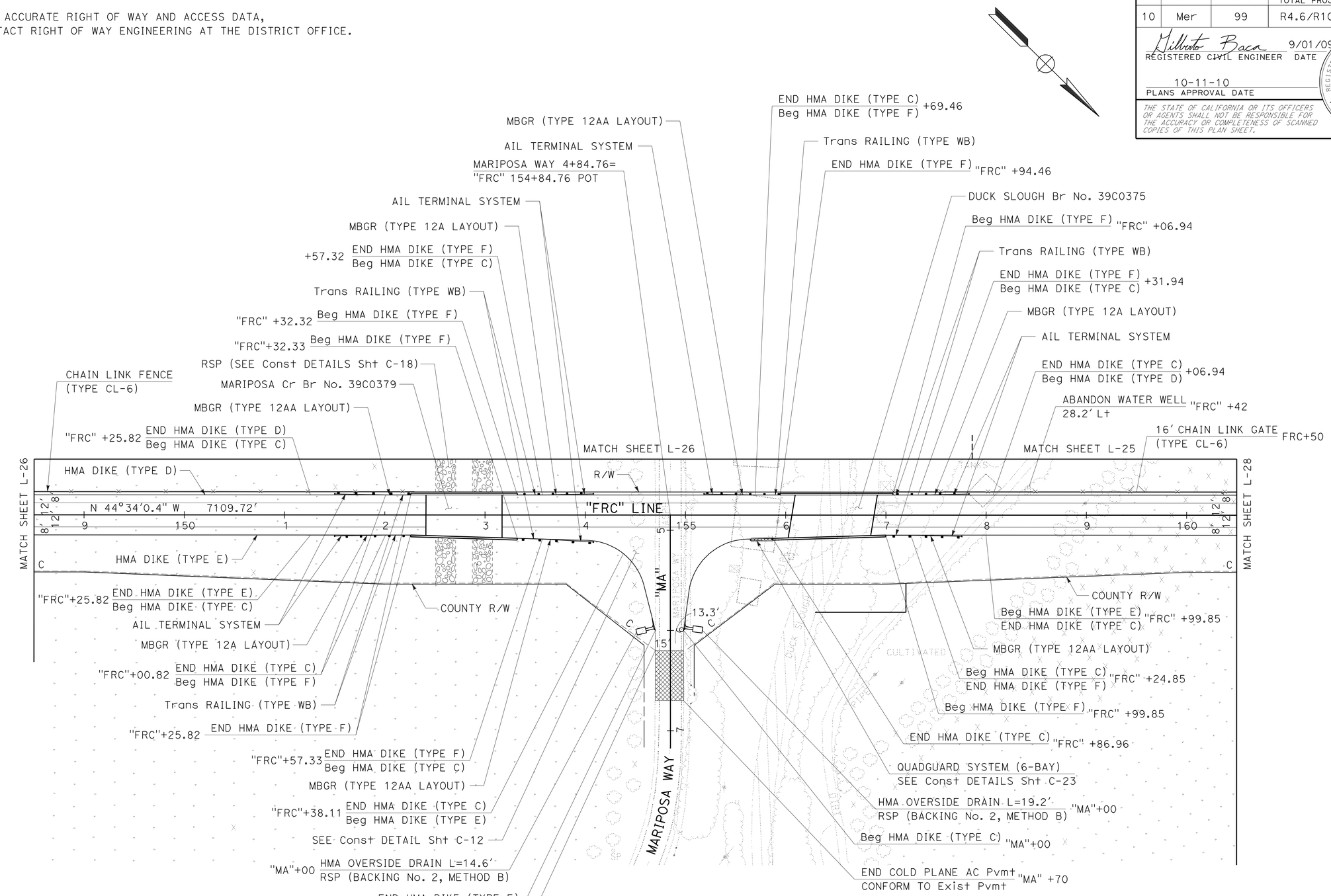

LAYOUT
SCALE: 1" = 50'

L-27

REVISED BY	AO
DATE REVISED	08-03-09
GILBERTO BACA	
MICAELA GARCIA	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
ROBERTO BANDA	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	49	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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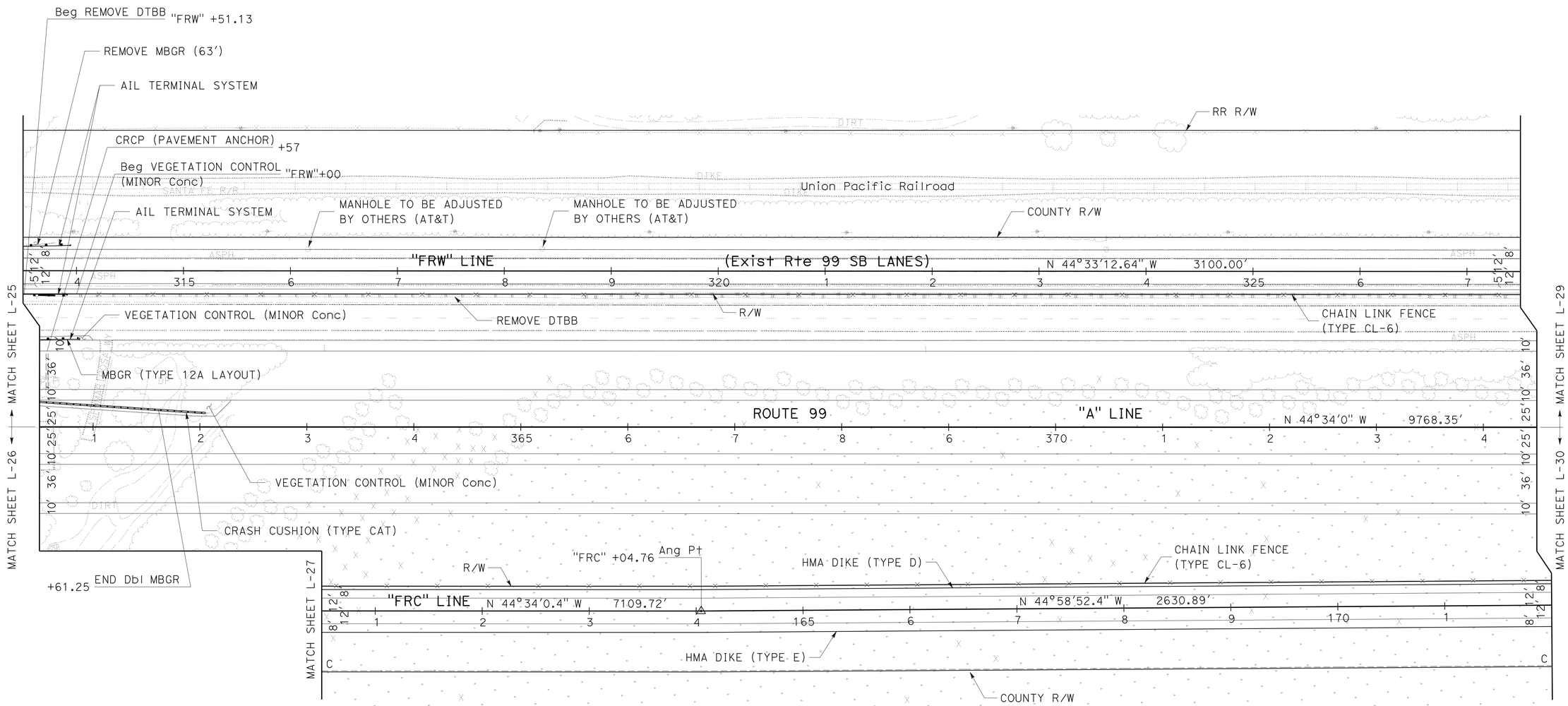

LAYOUT

SCALE: 1" = 50'

L-28

GILBERTO BACA	AO
MICAELA GARCIA	08-03-09
CALCULATED-DESIGNED BY	REVISED BY
CHECKED BY	DATE REVISED
FUNCTIONAL SUPERVISOR	
ROBERTO BANDA	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	50	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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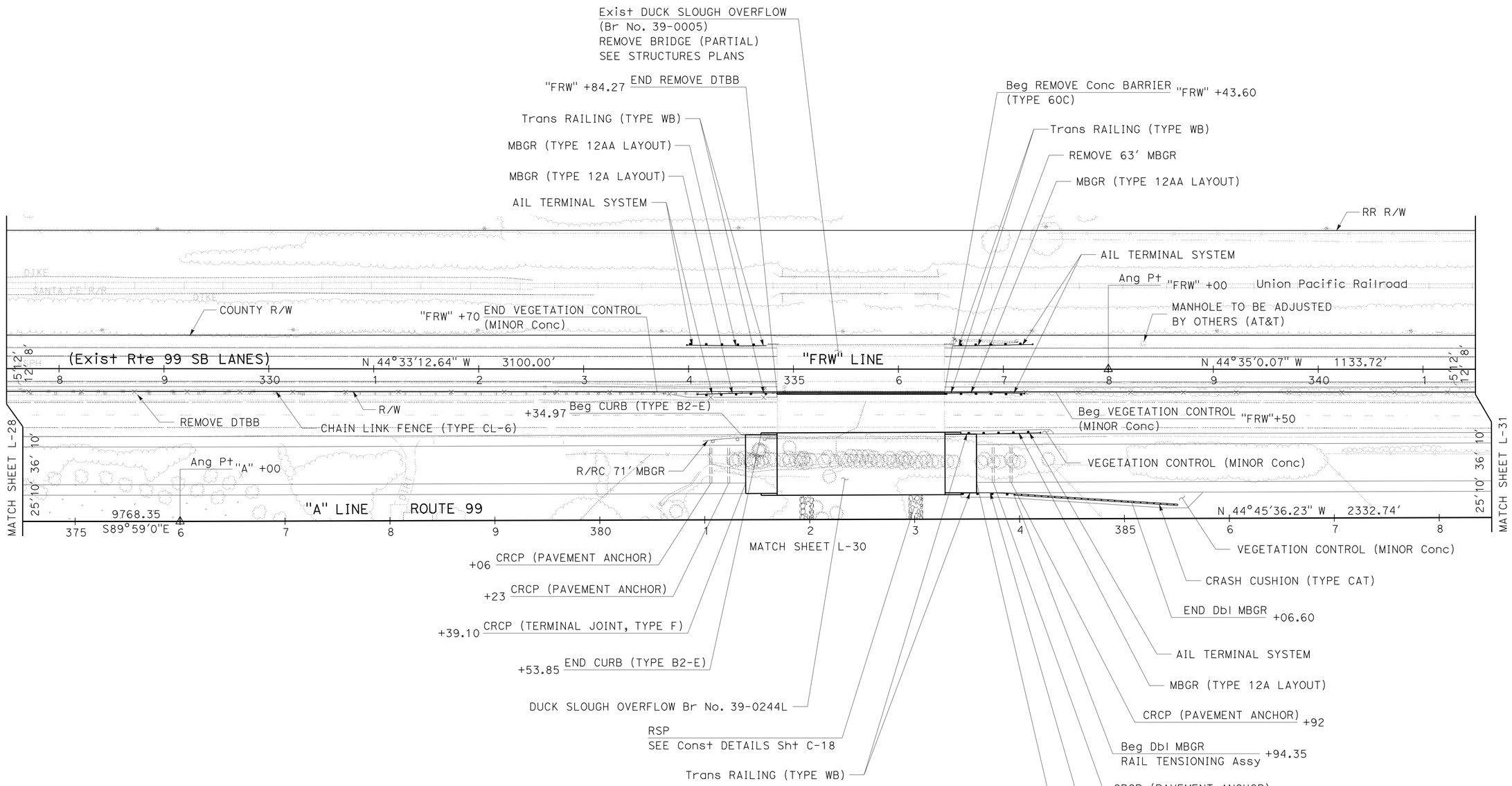

LAYOUT

SCALE: 1" = 50'

L-29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	06-DESIGN	FUNCTIONAL SUPERVISOR: ROBERTO BANDA	CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA	REVISED BY: AO	DATE REVISED: 08-03-09	

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	51	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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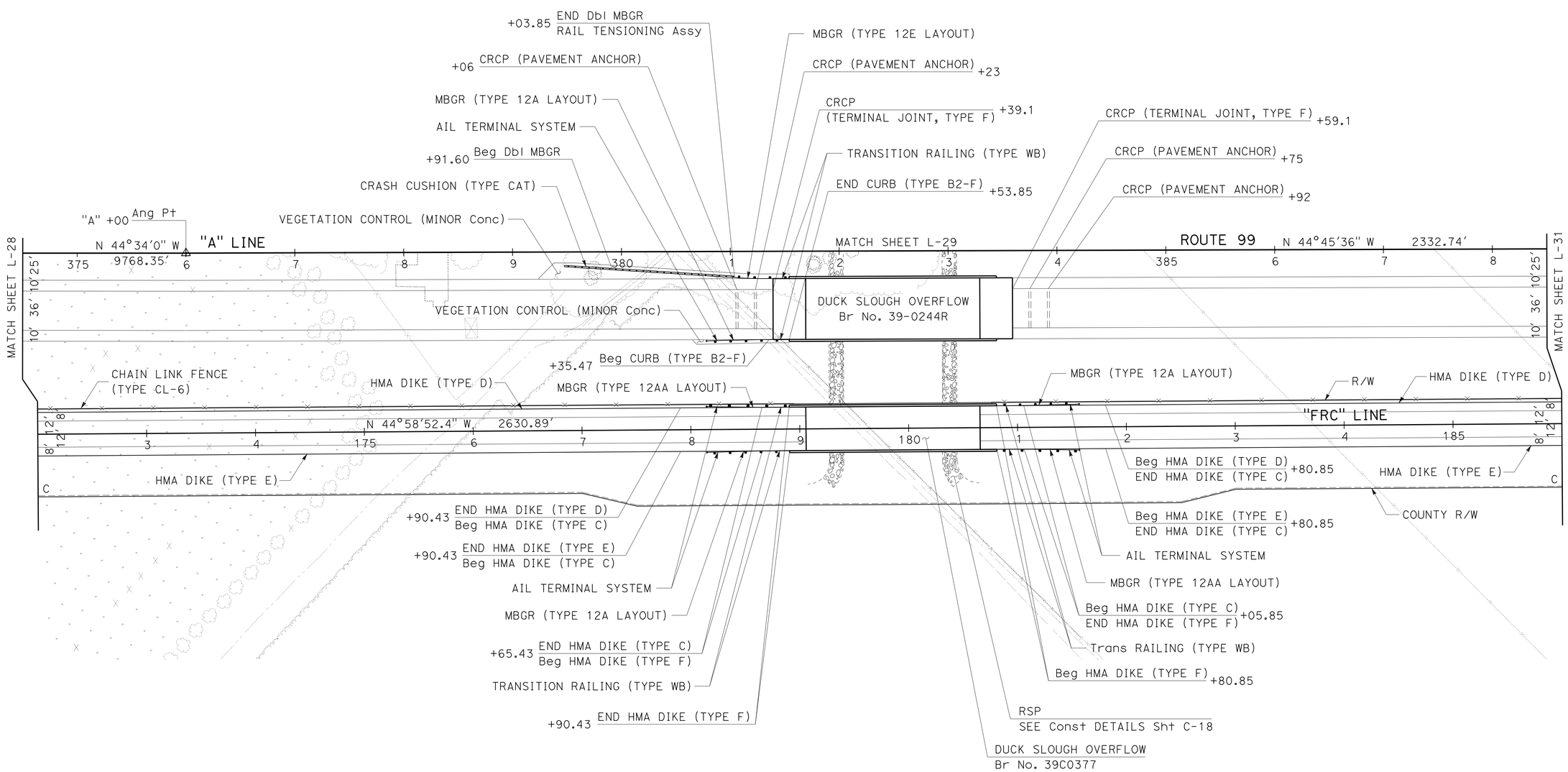


LAYOUT
SCALE: 1" = 50'

L-30

REVISED BY	DATE REVISED
AO	08-04-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 DATE PLOTTED => 11-OCT-2010 TIME PLOTTED => 16:17

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

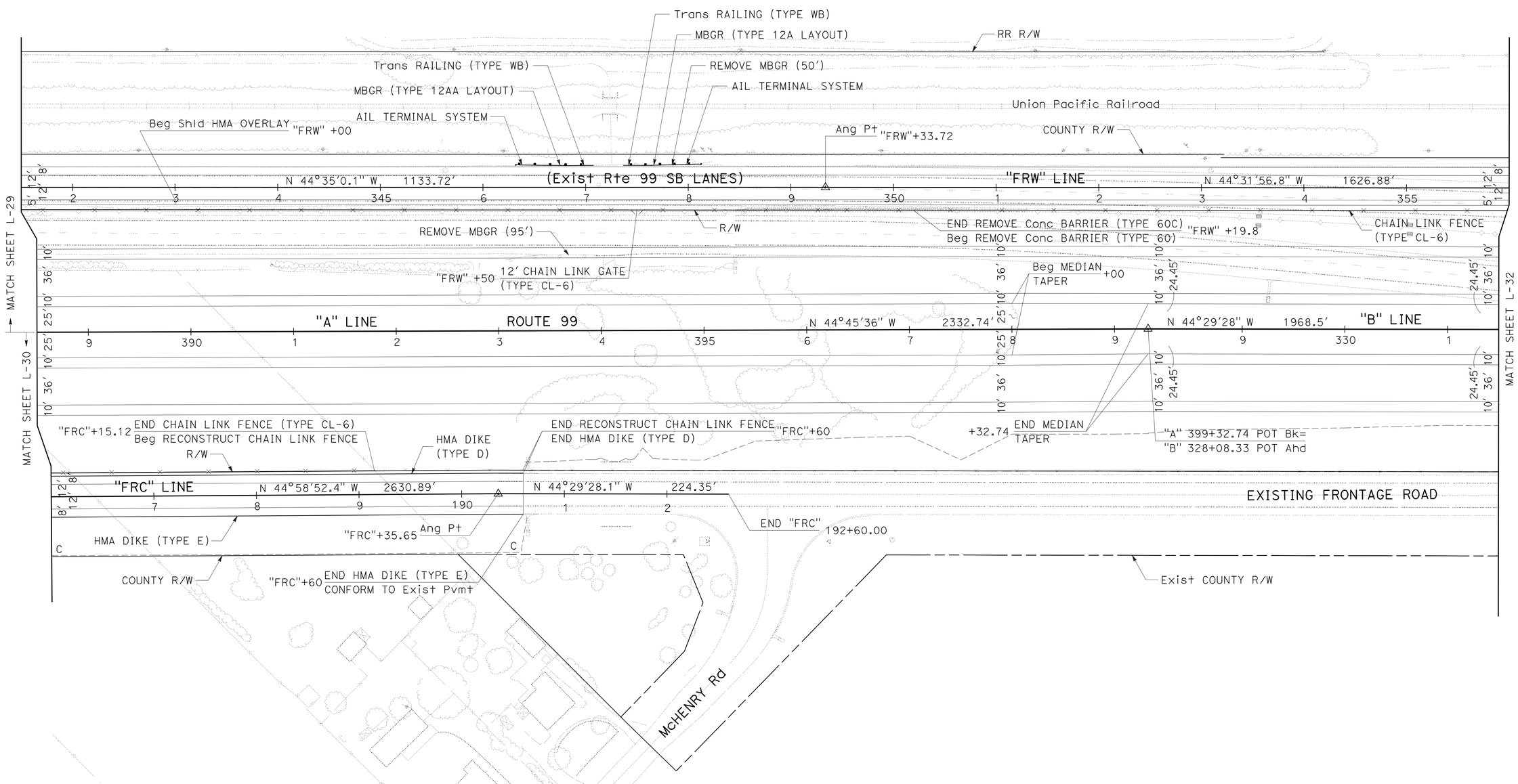
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	52	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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.



LAYOUT

SCALE: 1" = 50'

L-31

REVISED BY	DATE REVISED
AO	08-04-09

GILBERTO BACA — CALCULATED-DESIGNED BY
MICAELA GARCIA — CHECKED BY
ROBERTO BANDA — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	53	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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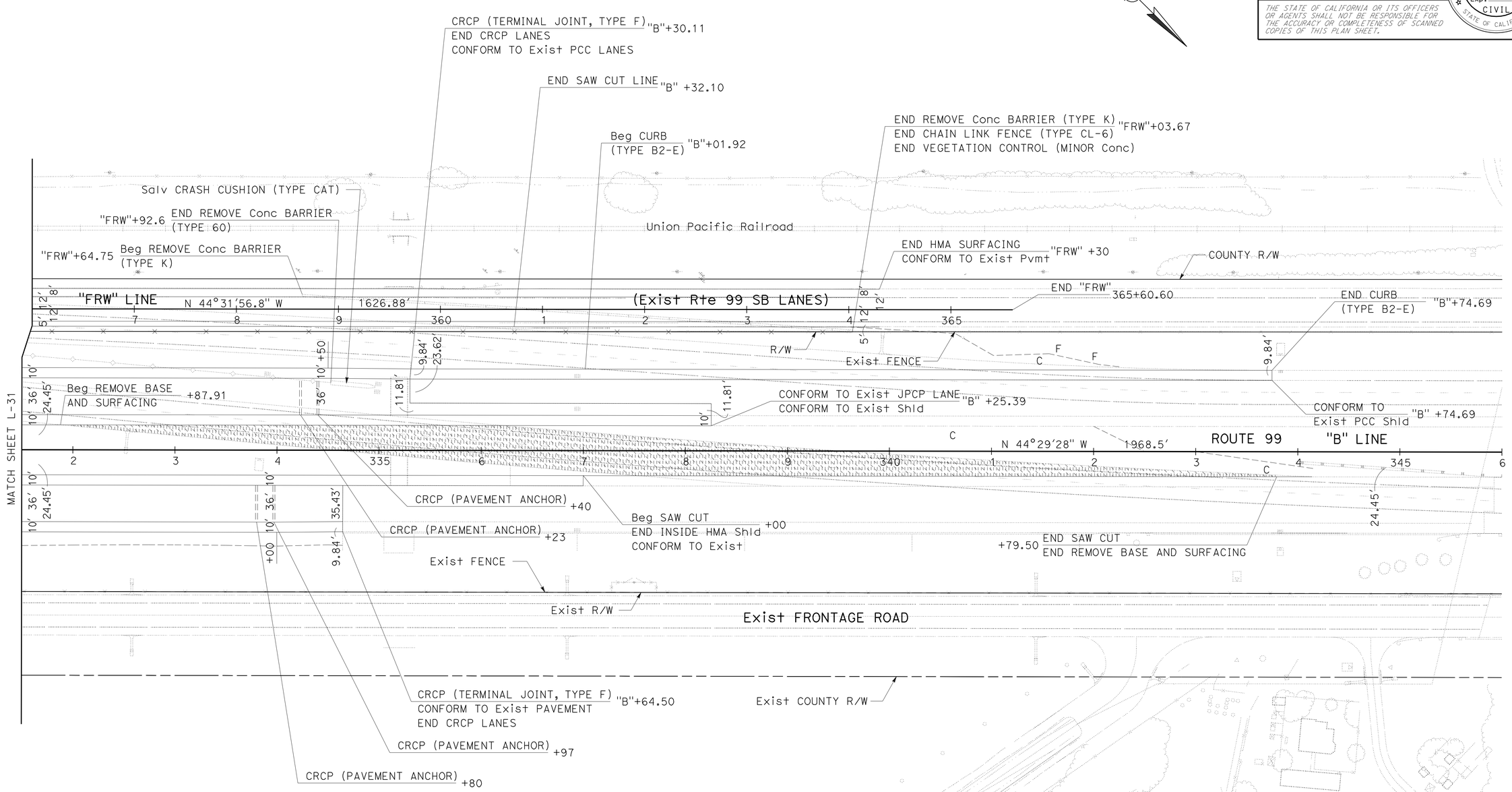
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-32

REVISED BY	DATE REVISED
AO	08-04-09

GILBERTO BACA — CALCULATED-DESIGNED BY
MICAELA GARCIA — CHECKED BY
ROBERTO BANDA — FUNCTIONAL SUPERVISOR

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

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 16:17

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

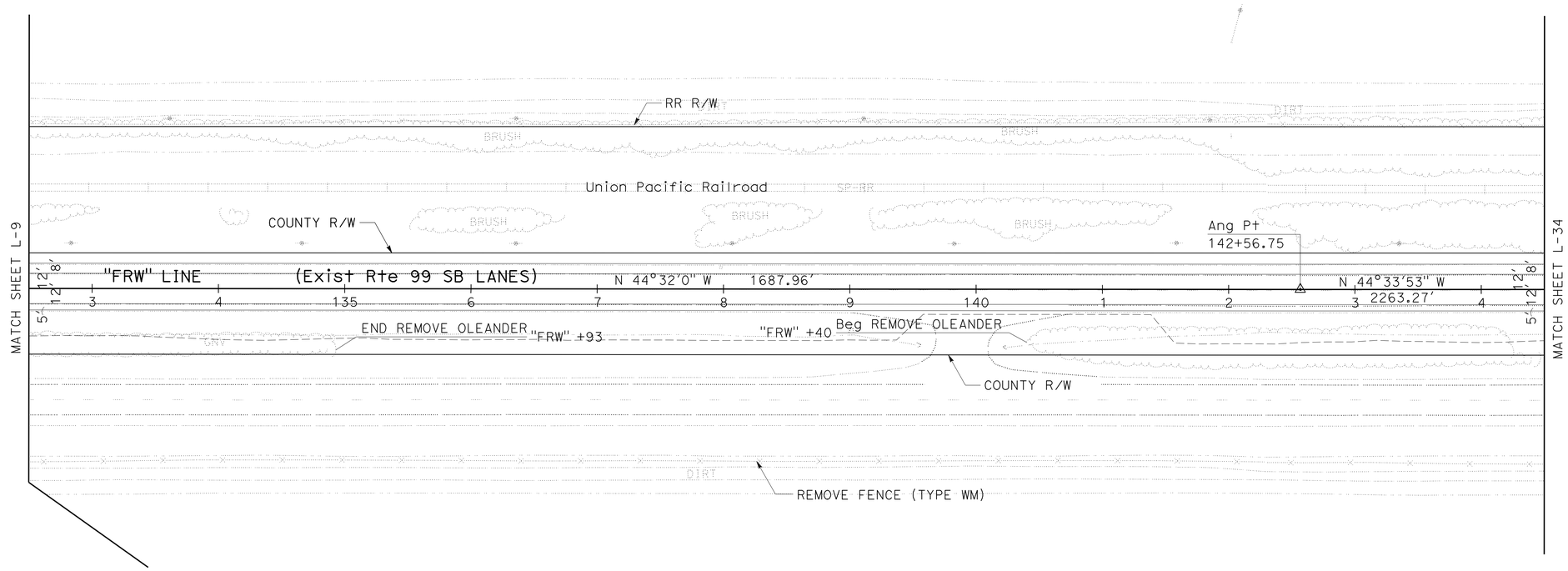
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	54	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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.



LAYOUT
SCALE: 1" = 50'

L-33

REVISED BY	AO
DATE REVISED	08-04-09
CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	MICAELA GARCIA
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 16:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	55	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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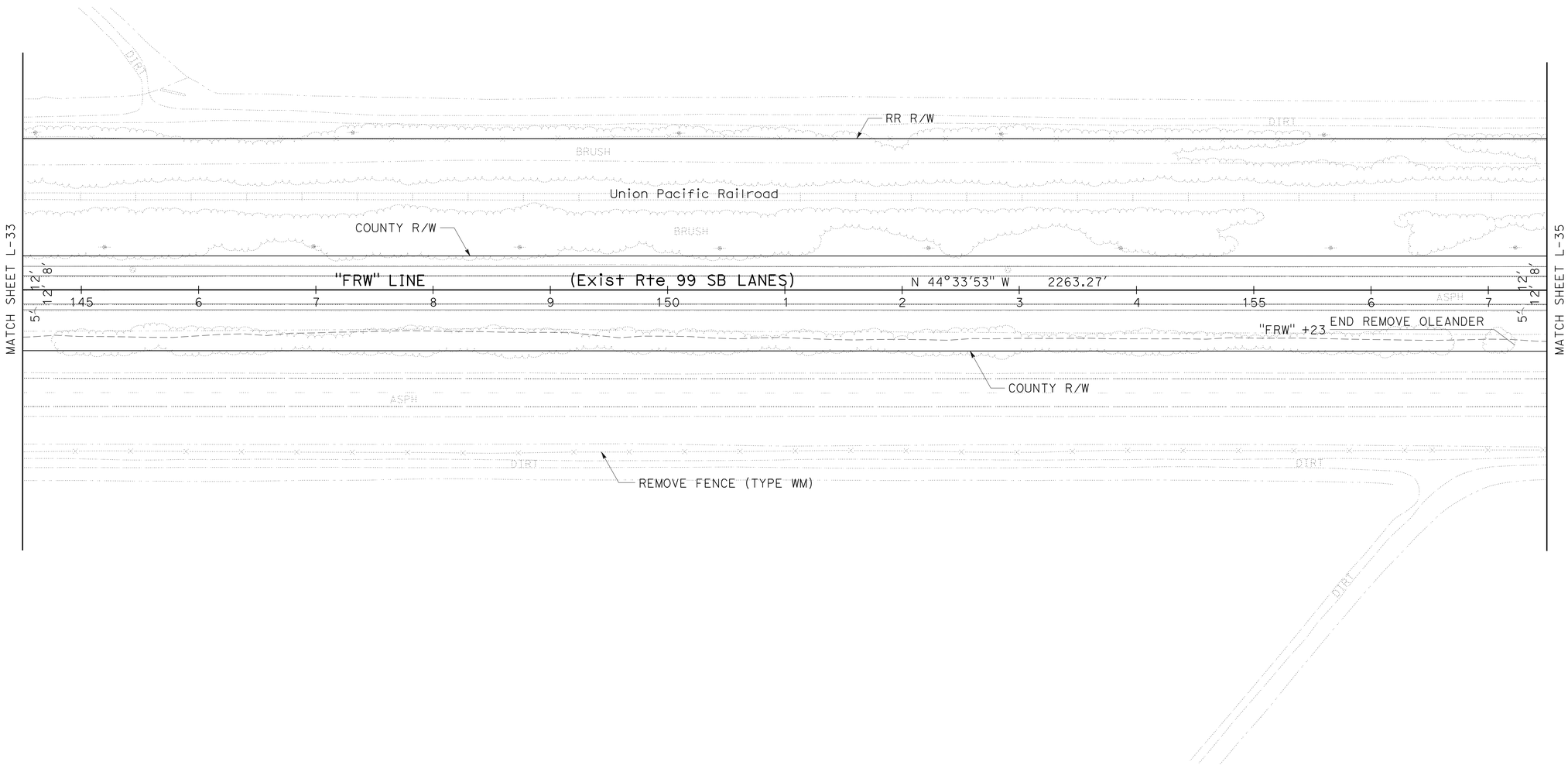
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 06-DESIGN
FUNCTIONAL SUPERVISOR	ROBERTO BANDA
CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	MICAELA GARCIA
REVISED BY	AO
DATE REVISED	08-04-09

LAST REVISION 09-01-09 DATE PLOTTED => 11-OCT-2010 TIME PLOTTED => 13:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	56	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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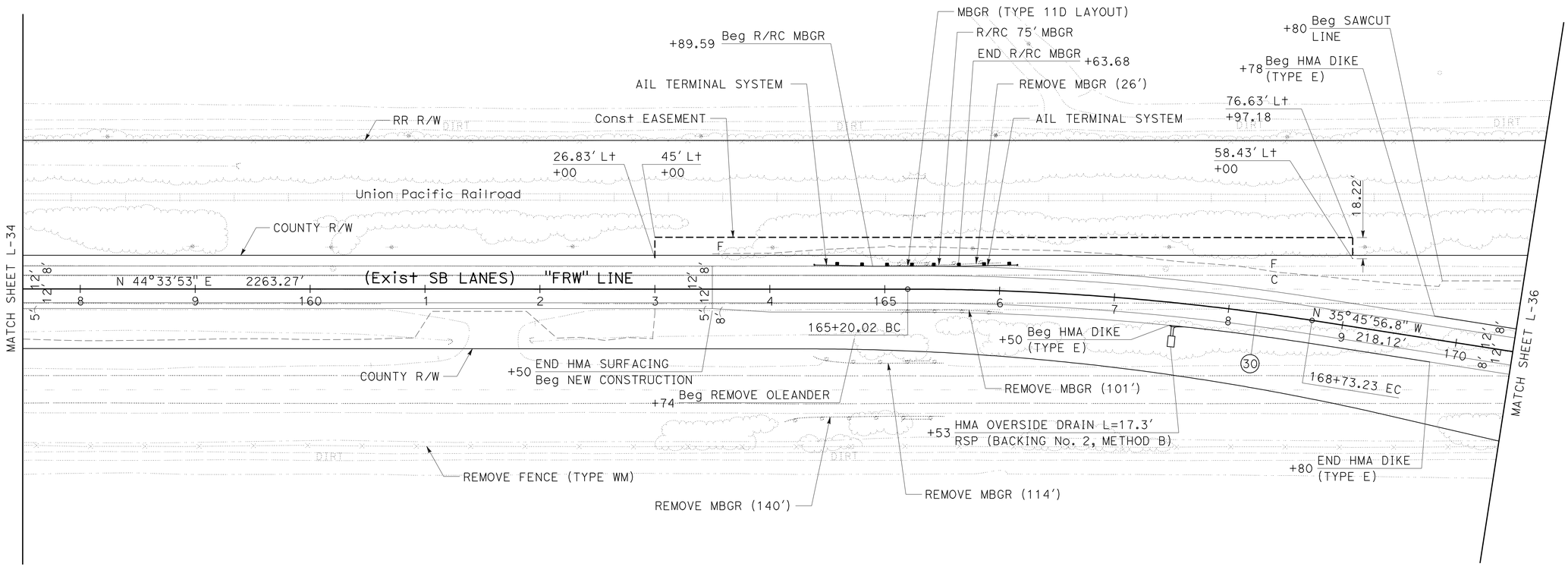
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
30	2300.00′	8°47′56"	176.95′	353.21′



LAYOUT

SCALE: 1" = 50′

L-35

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: MICAELA GARCIA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	57	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

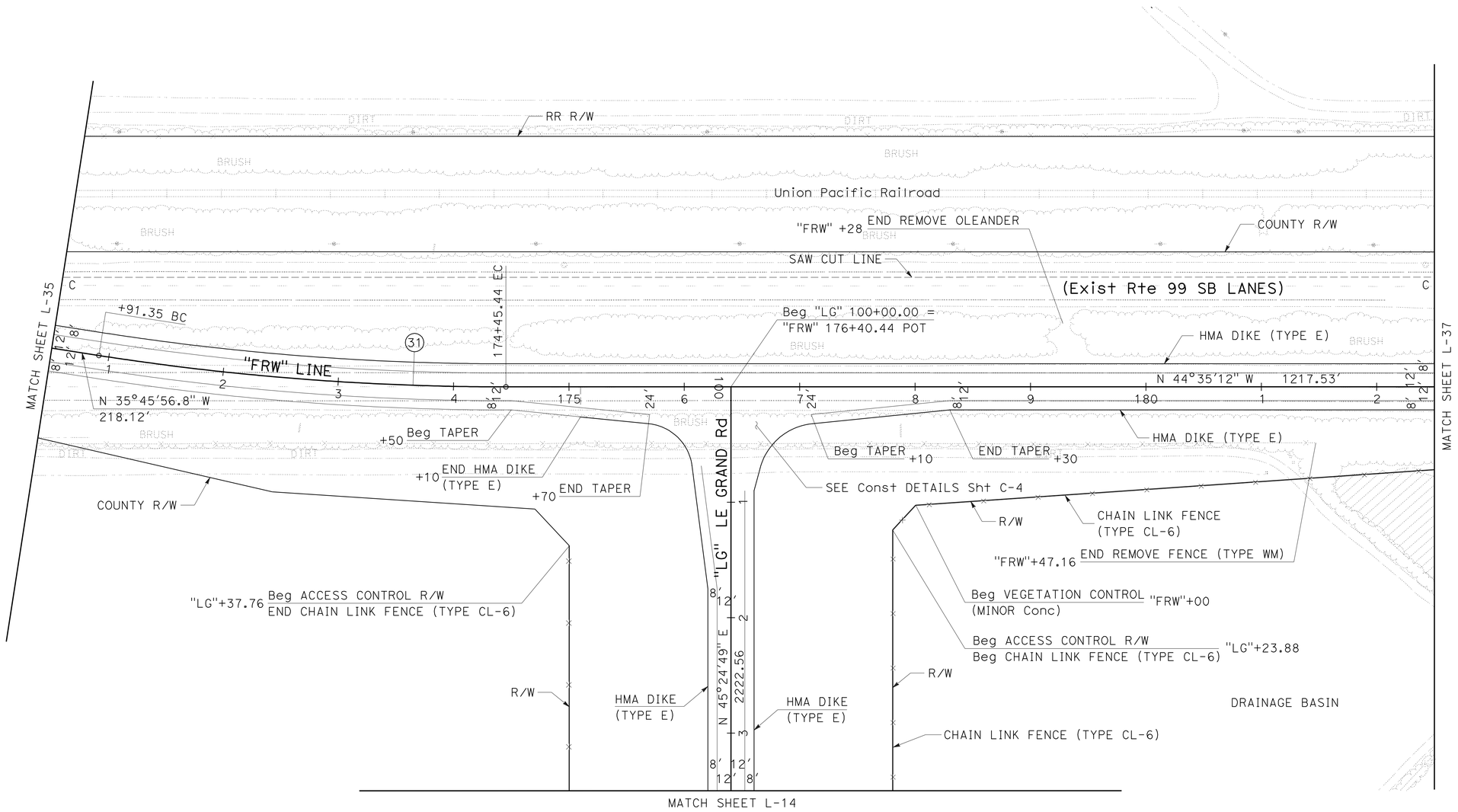
REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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
31	2300.00′	8°49′15″	177.39′	354.09′



LAYOUT

SCALE: 1" = 50′

L-36

REVISED BY	DATE REVISED
AO	08-04-09

GILBERTO BACA — MICAELA GARCIA — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — 06-DESIGN — Caltrans

LAST REVISION 09-01-09 — DATE PLOTTED => 11-OCT-2010 — TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	58	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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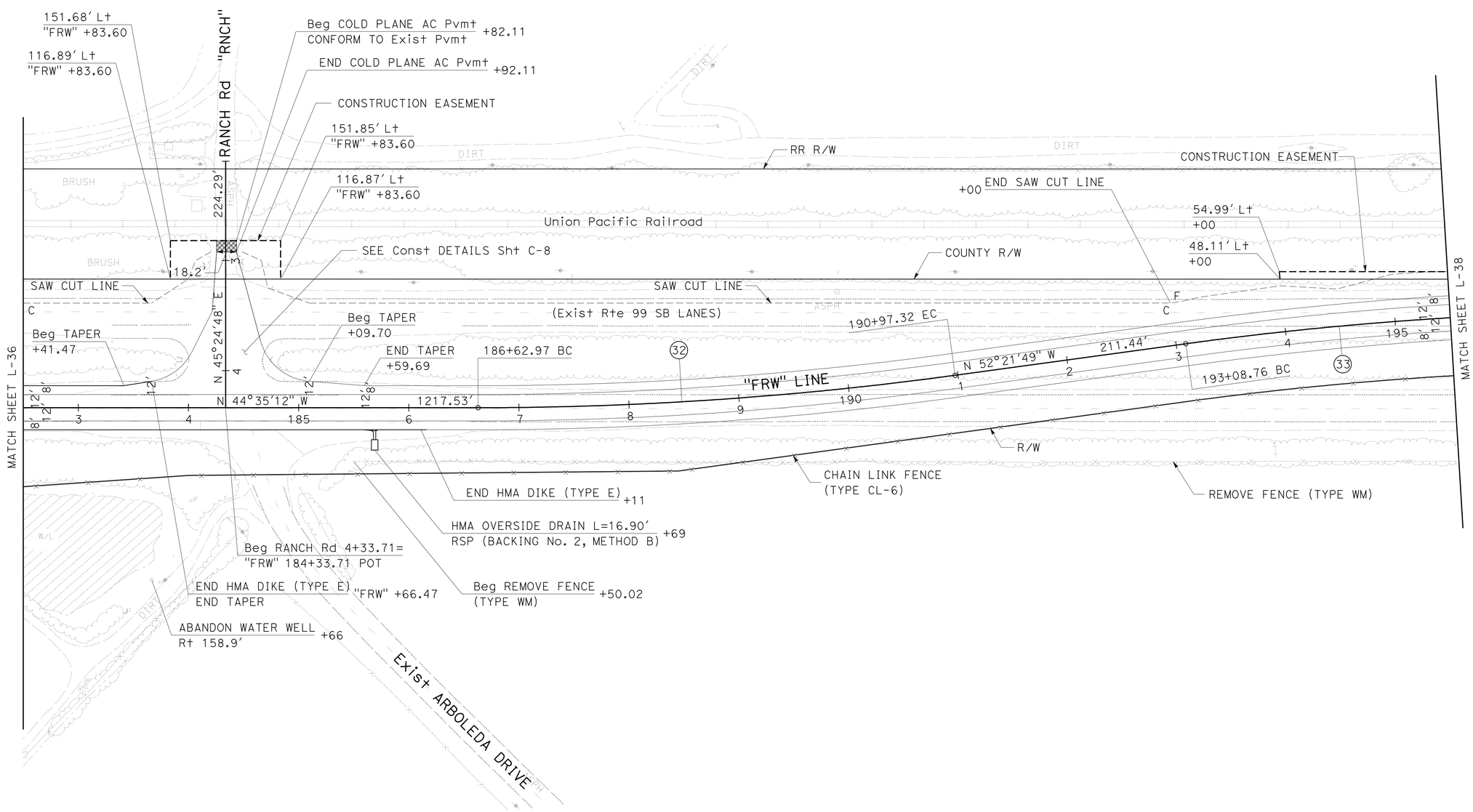
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
32	3200.00′	7°46′37.4"	217.51′	434.35′
33	3200.00′	7°52′14.3"	220.14′	439.58′



LAYOUT

SCALE: 1" = 50′

L-37

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	59	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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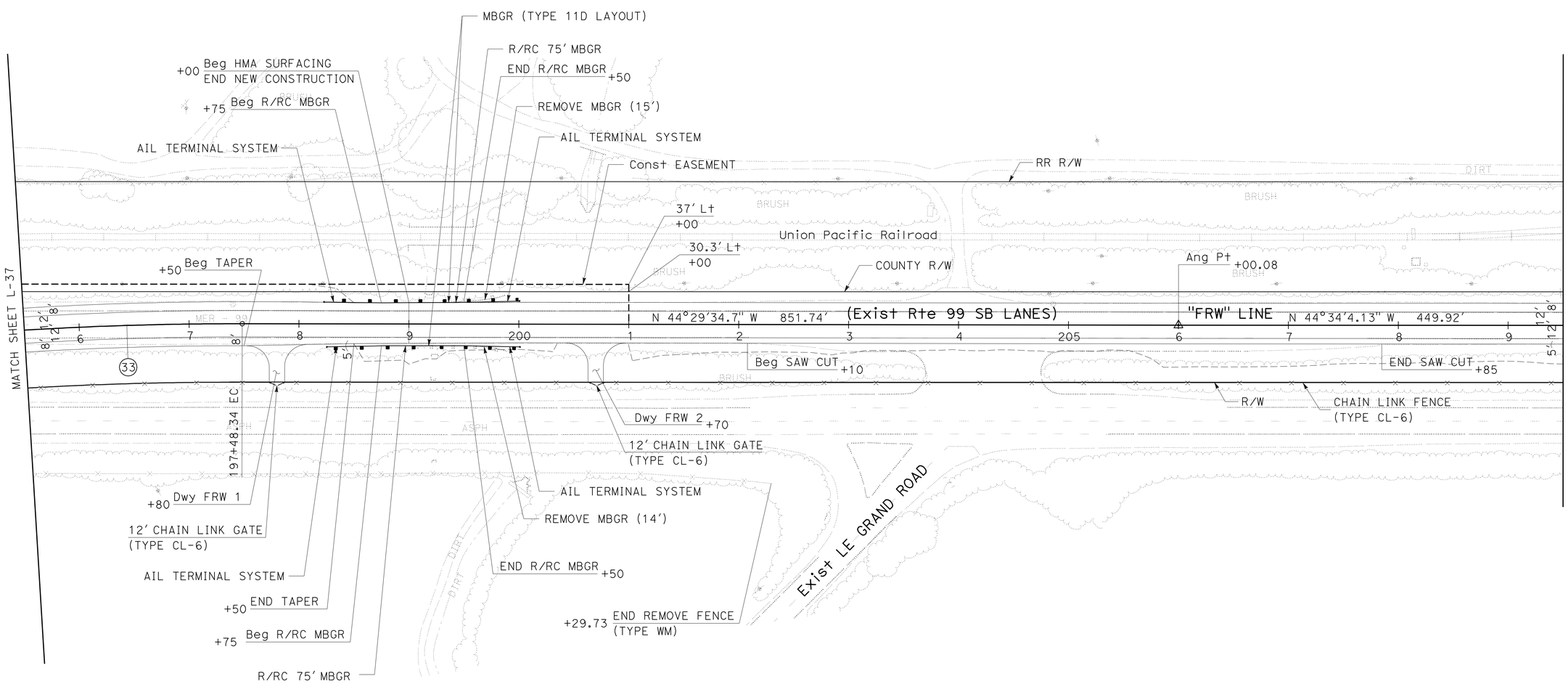
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
33	3200.00′	7°52′14.3″	220.14′	439.58′



LAYOUT
SCALE: 1″ = 50′
L-38

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	60	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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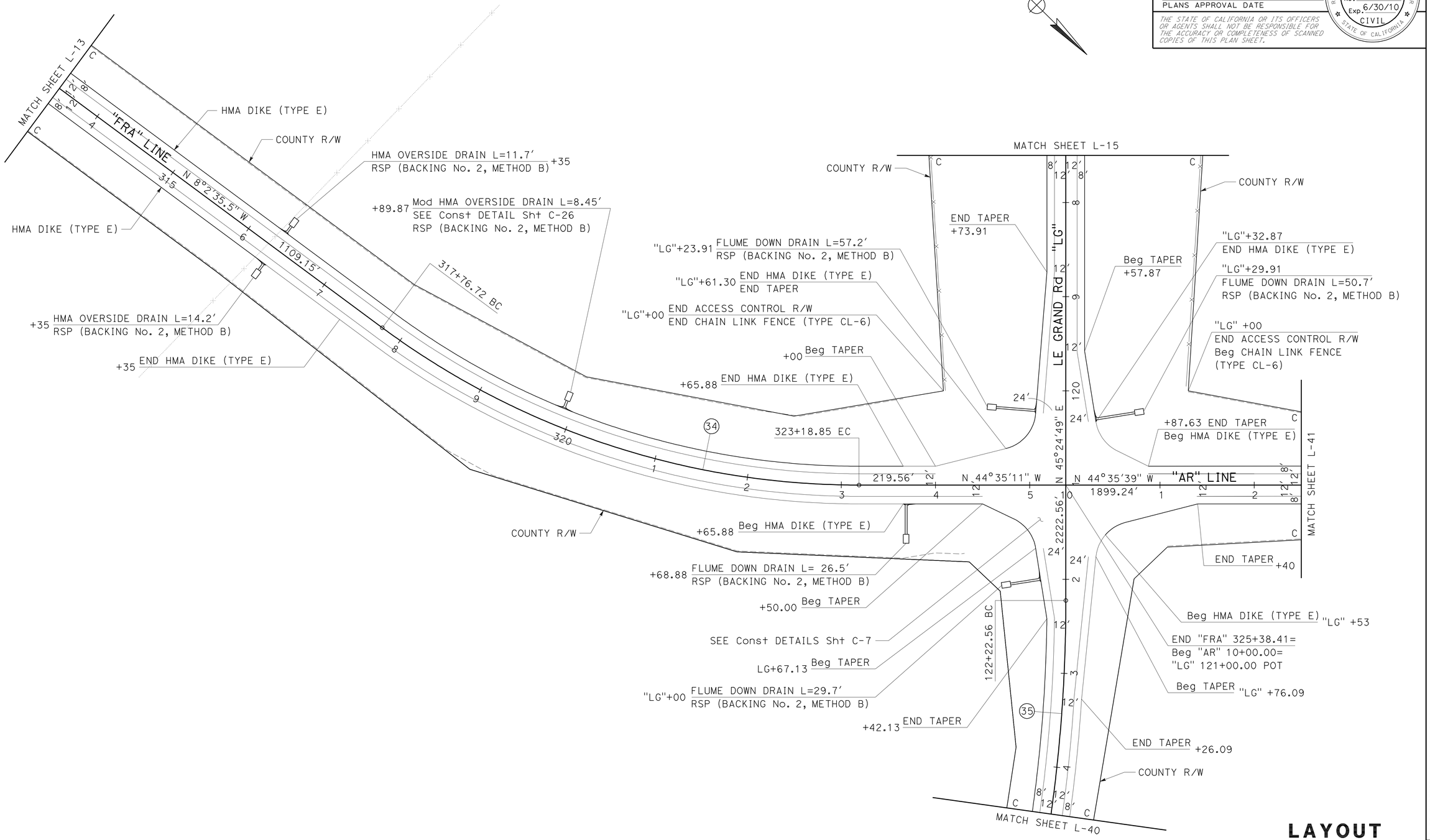
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
34	850.00′	36°32′35.59″	280.64′	542.13′
35	1640.00′	43°19′30.30″	651.39′	1240.11′



LAYOUT

SCALE: 1″ = 50′

L-39

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	61	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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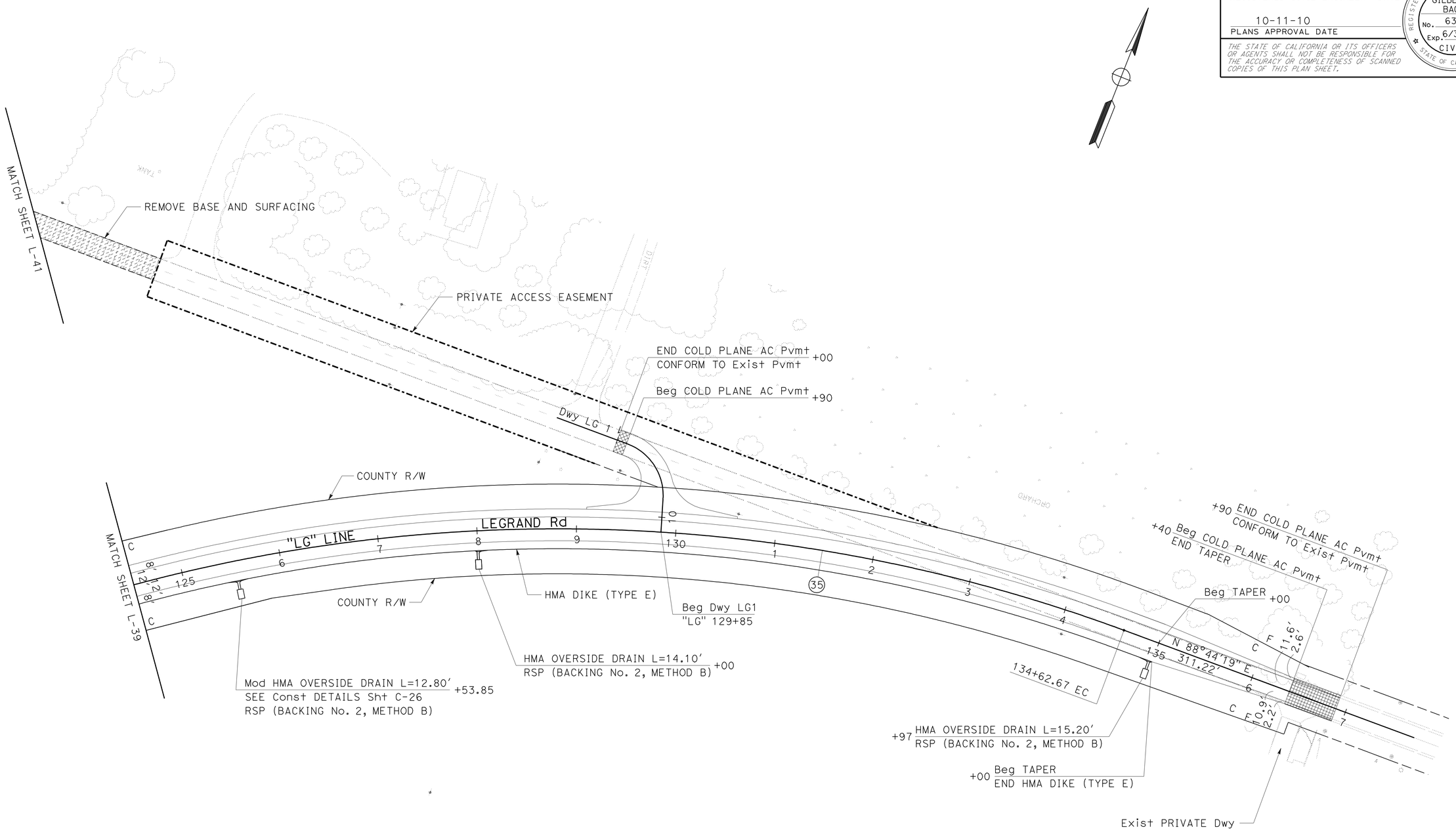
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
35	1640.00′	43°19′30.30″	651.39′	1240.11′



LAYOUT

SCALE: 1″ = 50′

L-40

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	62	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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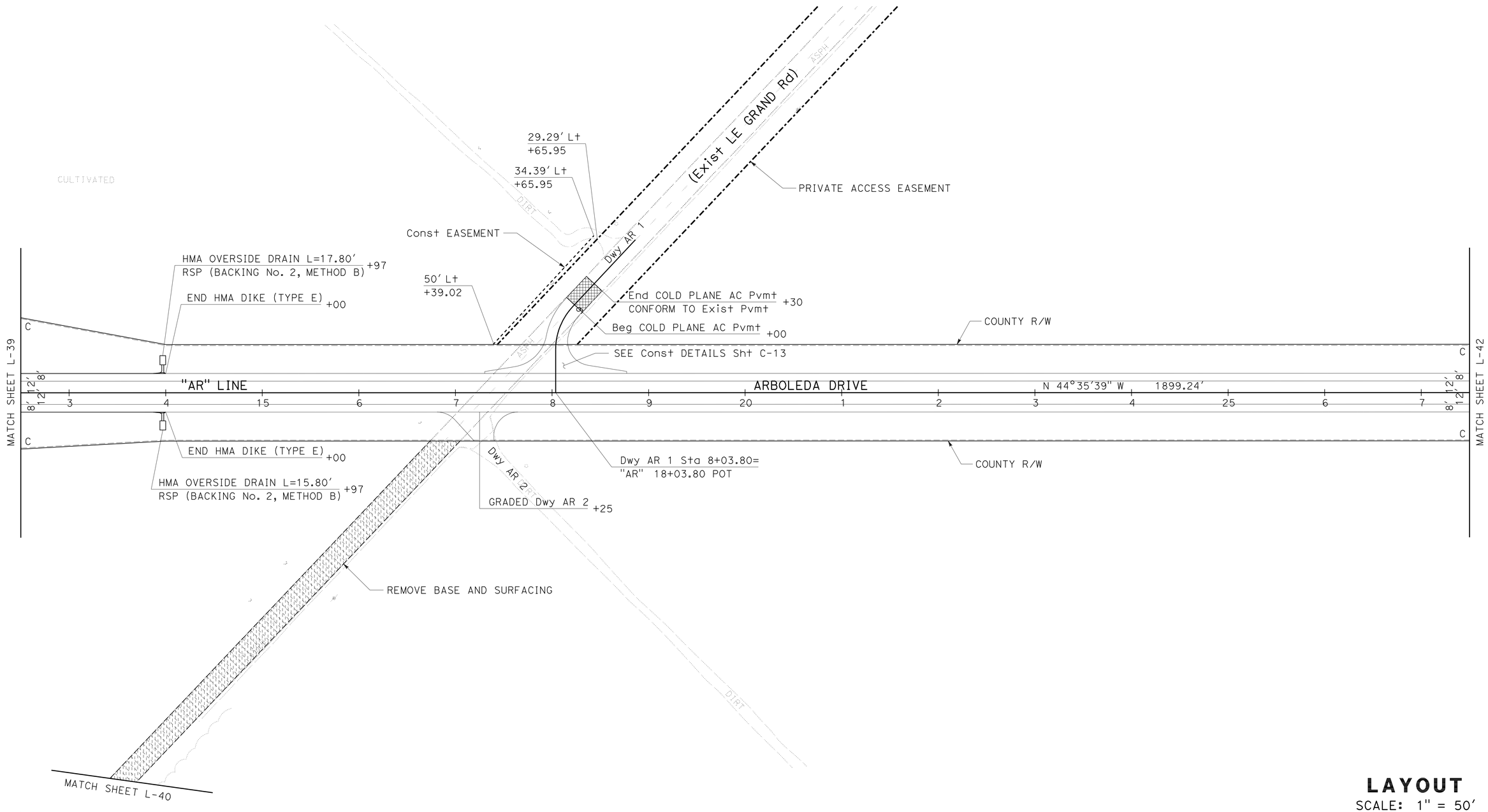
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT

SCALE: 1" = 50'

L-41

REVISED BY	AO
DATE REVISED	08-04-09
CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	MICAELA GARCIA
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	63	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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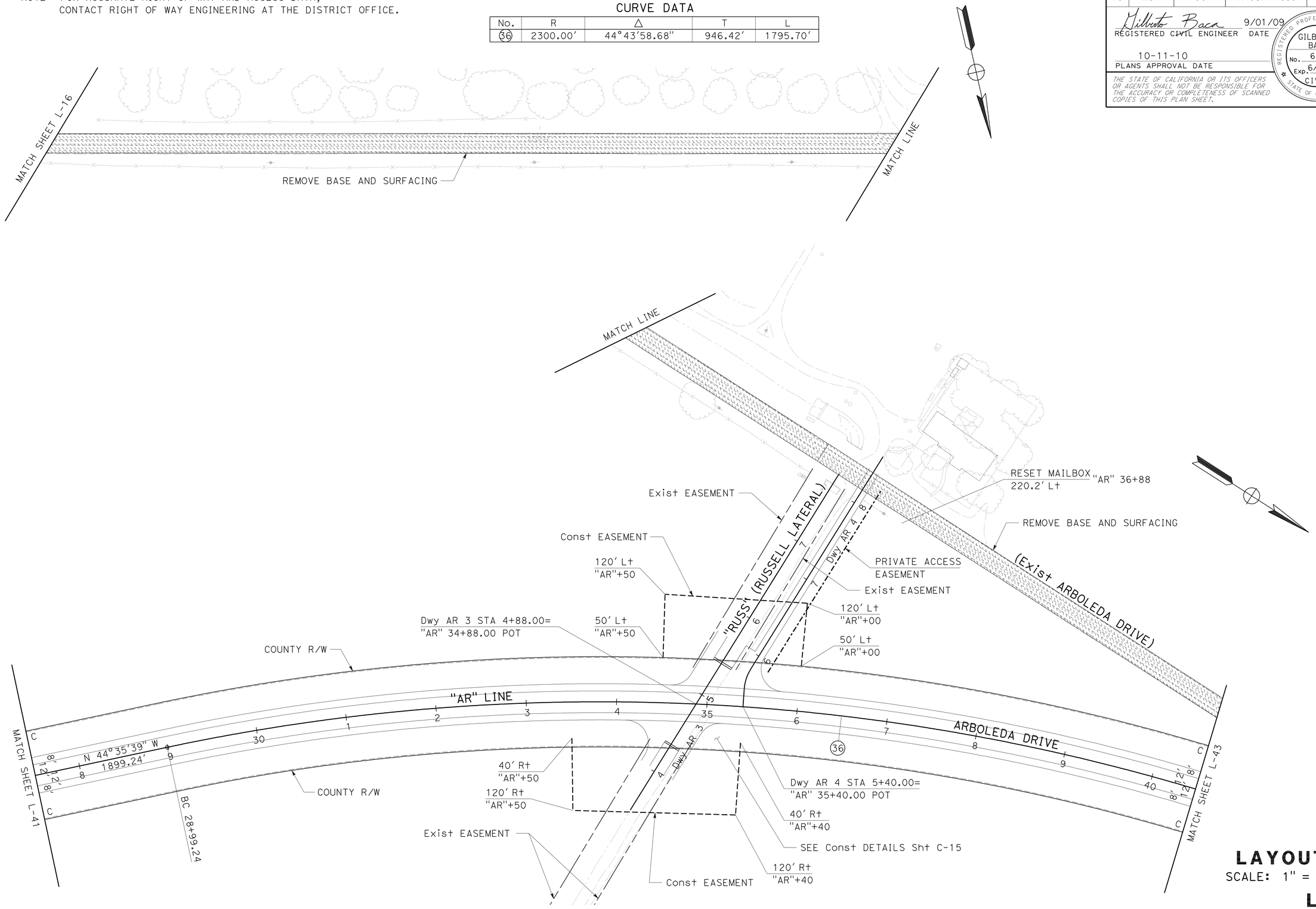
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
36	2300.00′	44°43′58.68″	946.42′	1795.70′



LAYOUT

SCALE: 1″ = 50′

L-42

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	64	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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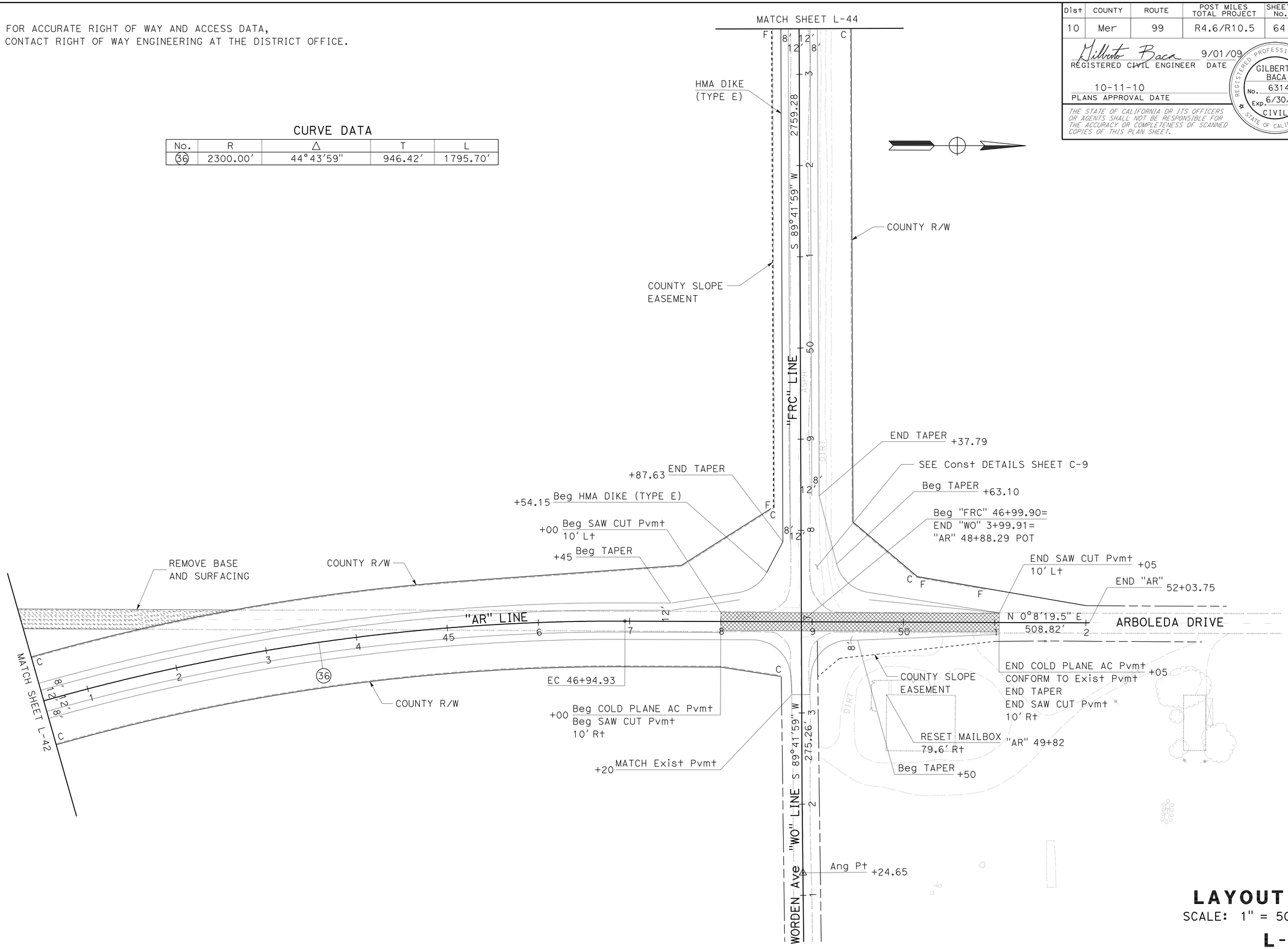
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
36	2300.00′	44°43′59″	946.42′	1795.70′



LAYOUT

SCALE: 1" = 50′

L-43

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA

REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	65	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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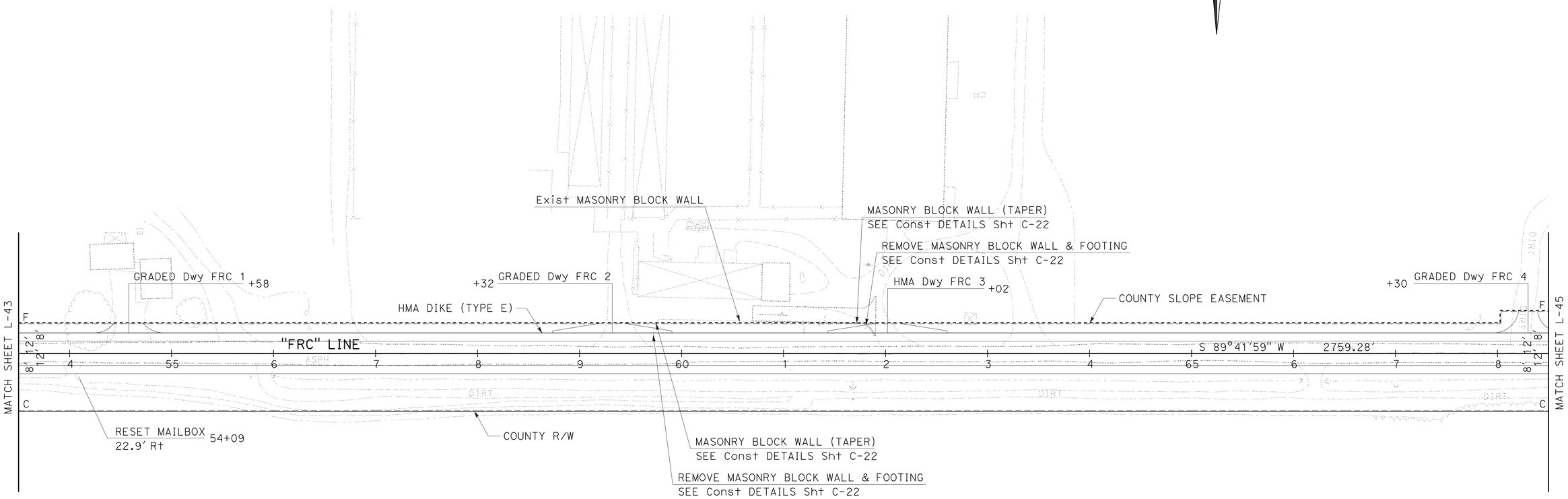
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
SCALE: 1" = 50'
L-44

CALCULATED-DESIGNED BY	GILBERTO BACA
CHECKED BY	MICAELA GARCIA
REVISED BY	AO
DATE REVISED	08-04-09
FUNCTIONAL SUPERVISOR	ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	66	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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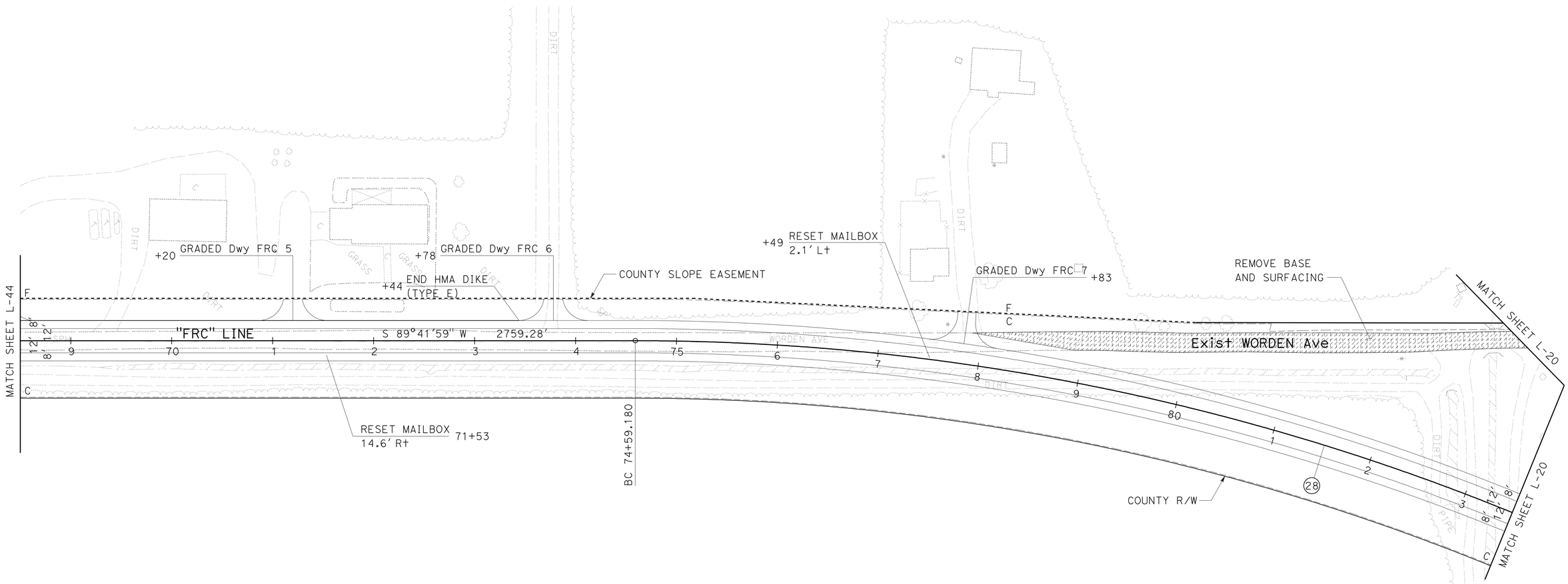
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L
28	2300.00′	45°44′0.44″	969.98′	1835.86′



LAYOUT

SCALE: 1" = 50′

L-45

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 08-04-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	67	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

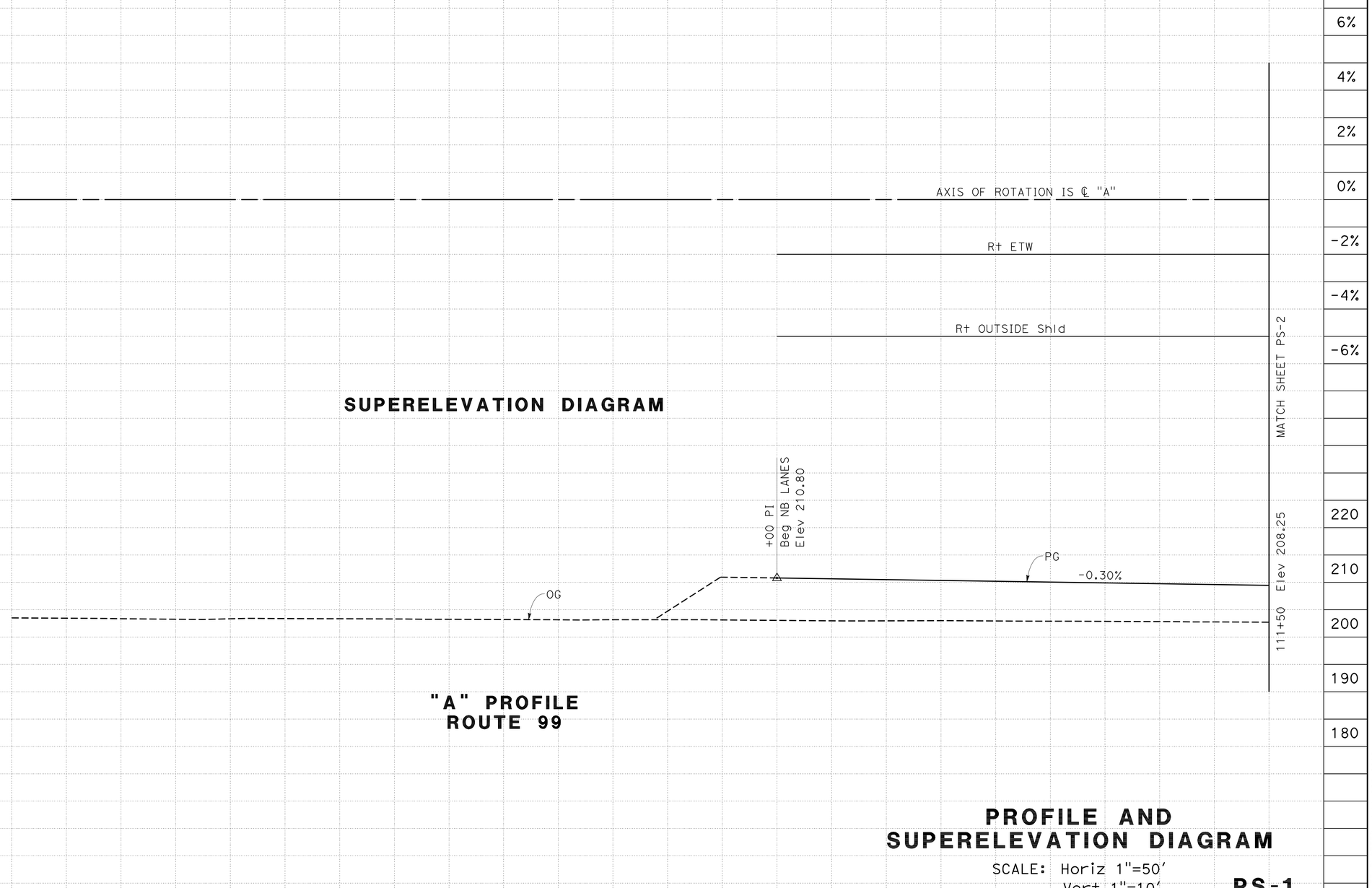
10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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.

ABBREVIATION:

VPI: VERTICAL POINT OF INTERSECTION



PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-1

Station.	100	1	2	3	4	105	6	7	8	9	110	11
CY Exc							0					
CY Emb							6796					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	68	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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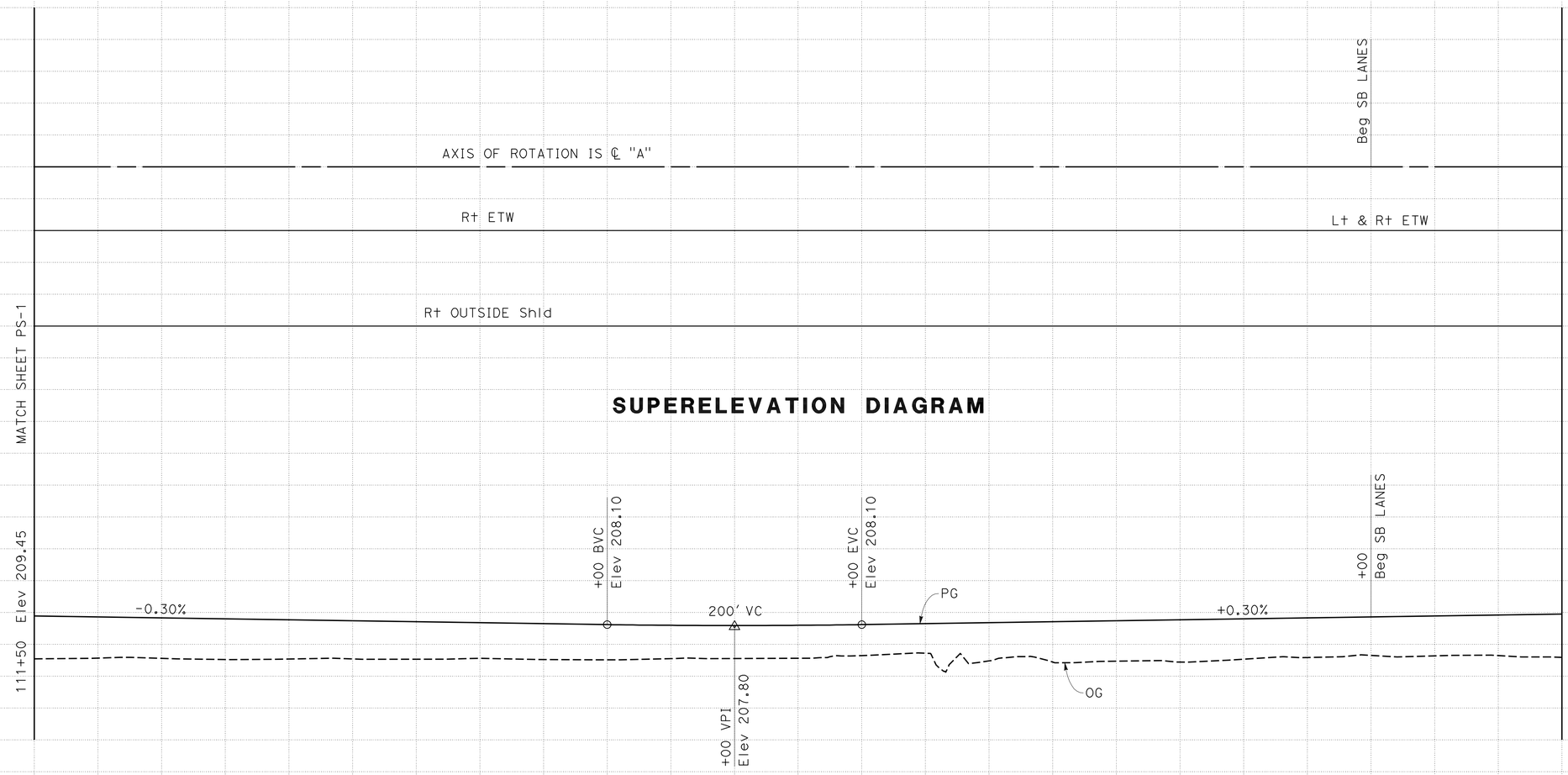

"A" PROFILE
ROUTE 99

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-2

Station.	1	2	3	4	115	6	7	8	9	120	1	2	3
CY Exc						409							
CY Emb						13,363							

REVISED BY	DATE REVISED
AO	03-20-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

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

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	69	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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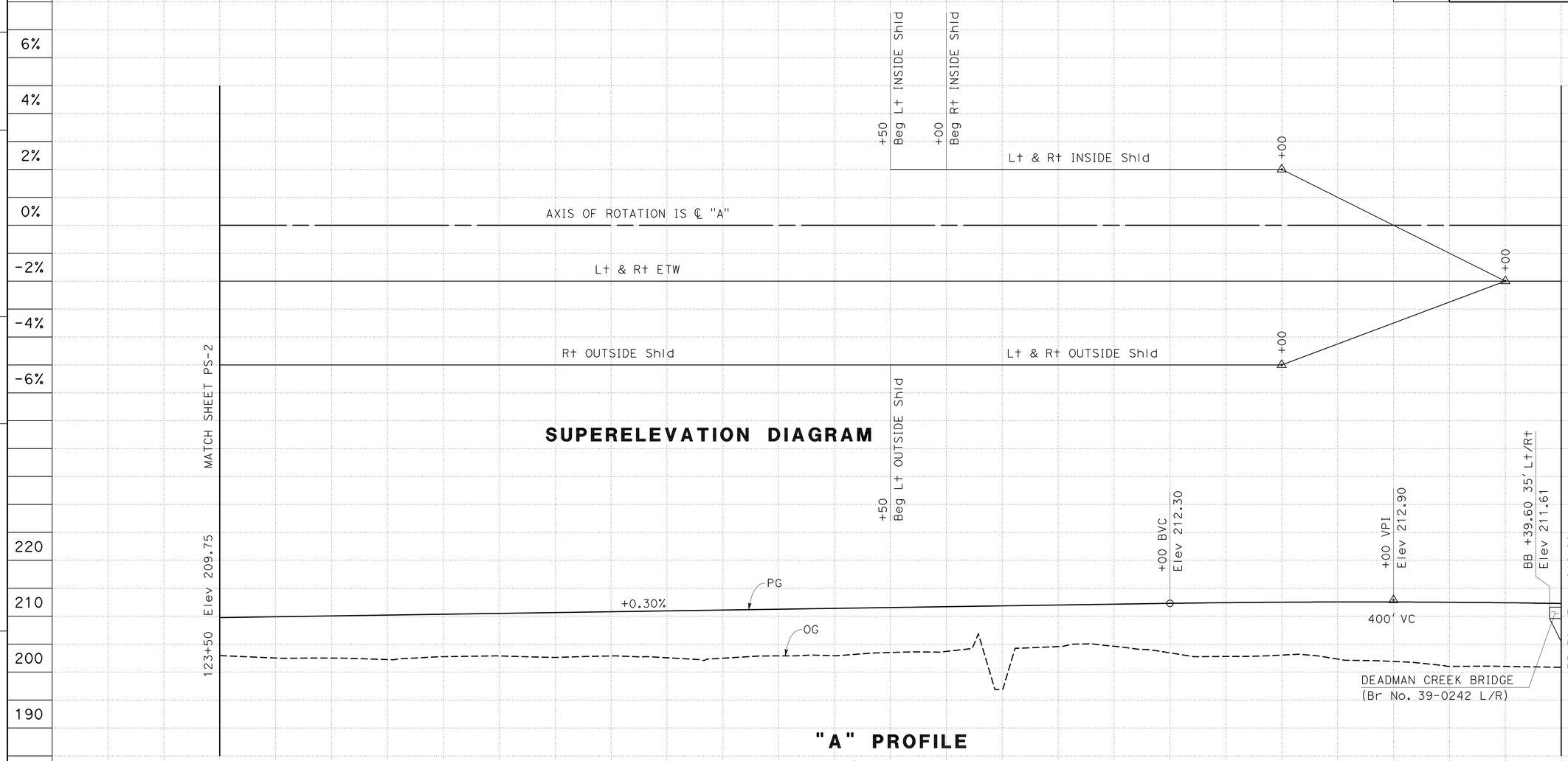

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-3

Station.	3	4	125	6	7	8	9	130	1	2	3	4	135
CY Exc		4569											
CY Emb		55,398											

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:03
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	70	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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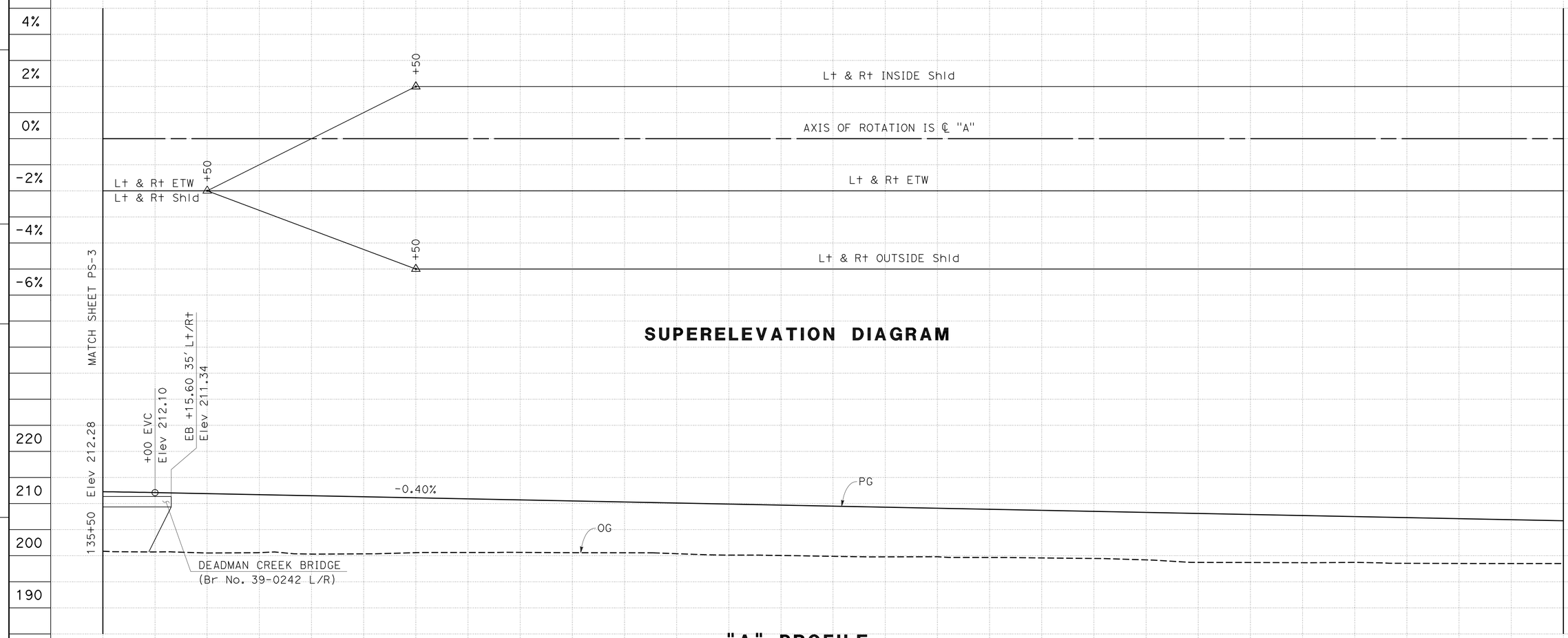

"A" PROFILE
ROUTE 99

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-4

Station.	6	7	8	9	140	1	2	3	4	145	6	7	8	9
CY Exc	6343													
CY Emb	68,066													

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:03
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	71	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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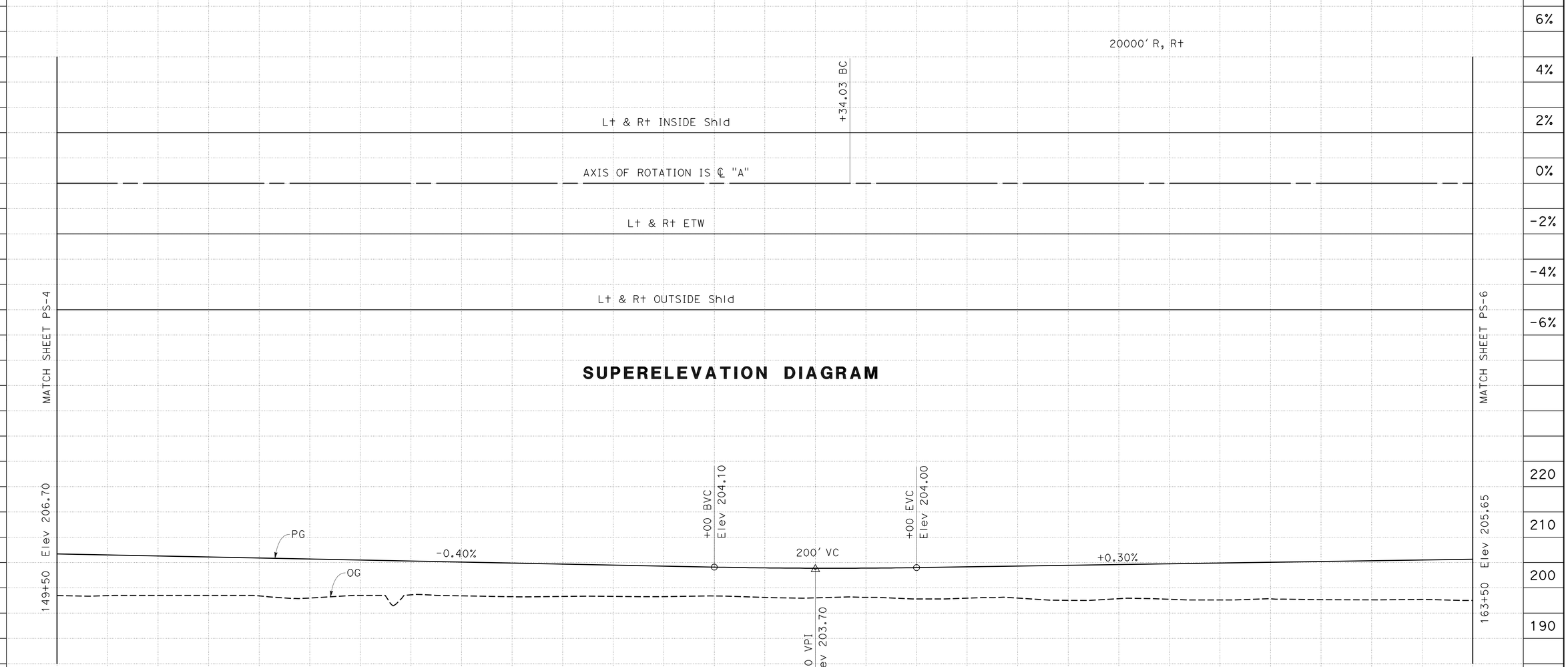

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-5

Station.	150	1	2	3	4	155	6	7	8	9	160	1	2	3

CY		
Exc	7177	
Emb	40,508	

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

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	72	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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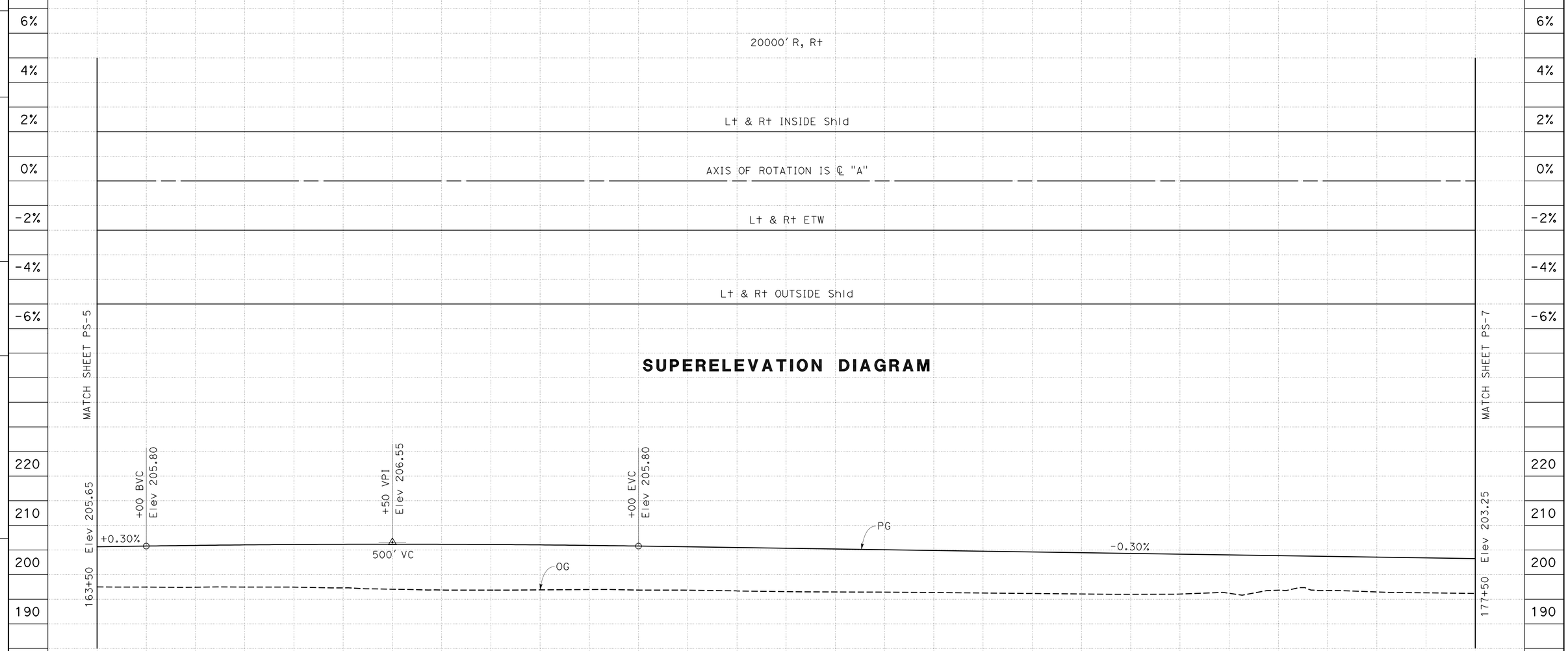

"A" PROFILE
ROUTE 99

Station.	4	165	6	7	8	9	170	1	2	3	4	175	6	7

CY		
Exc	753	
Emb	59,605	

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	73	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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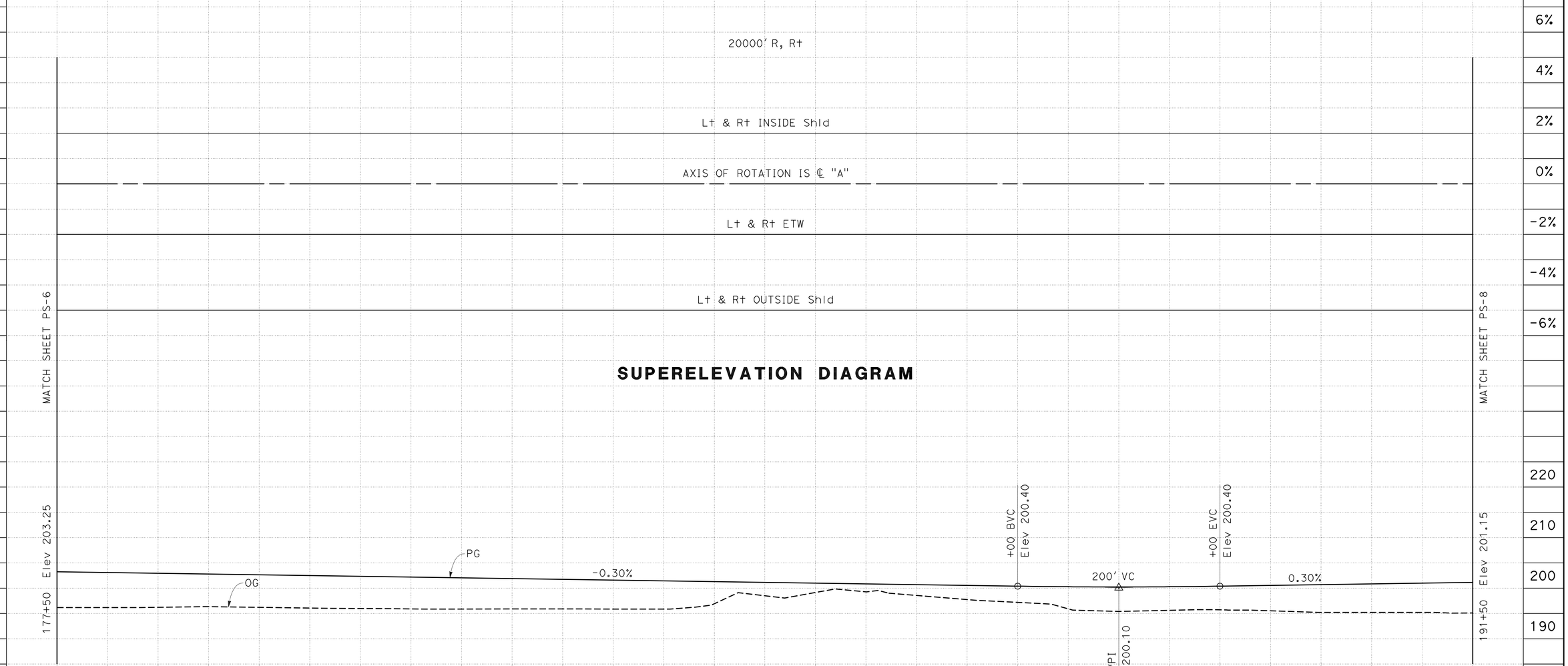

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-7

Station.	8	9	180	1	2	3	4	185	6	7	8	9	190	1
CY Exc	5682													
CY Emb	29,087													

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:03
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	74	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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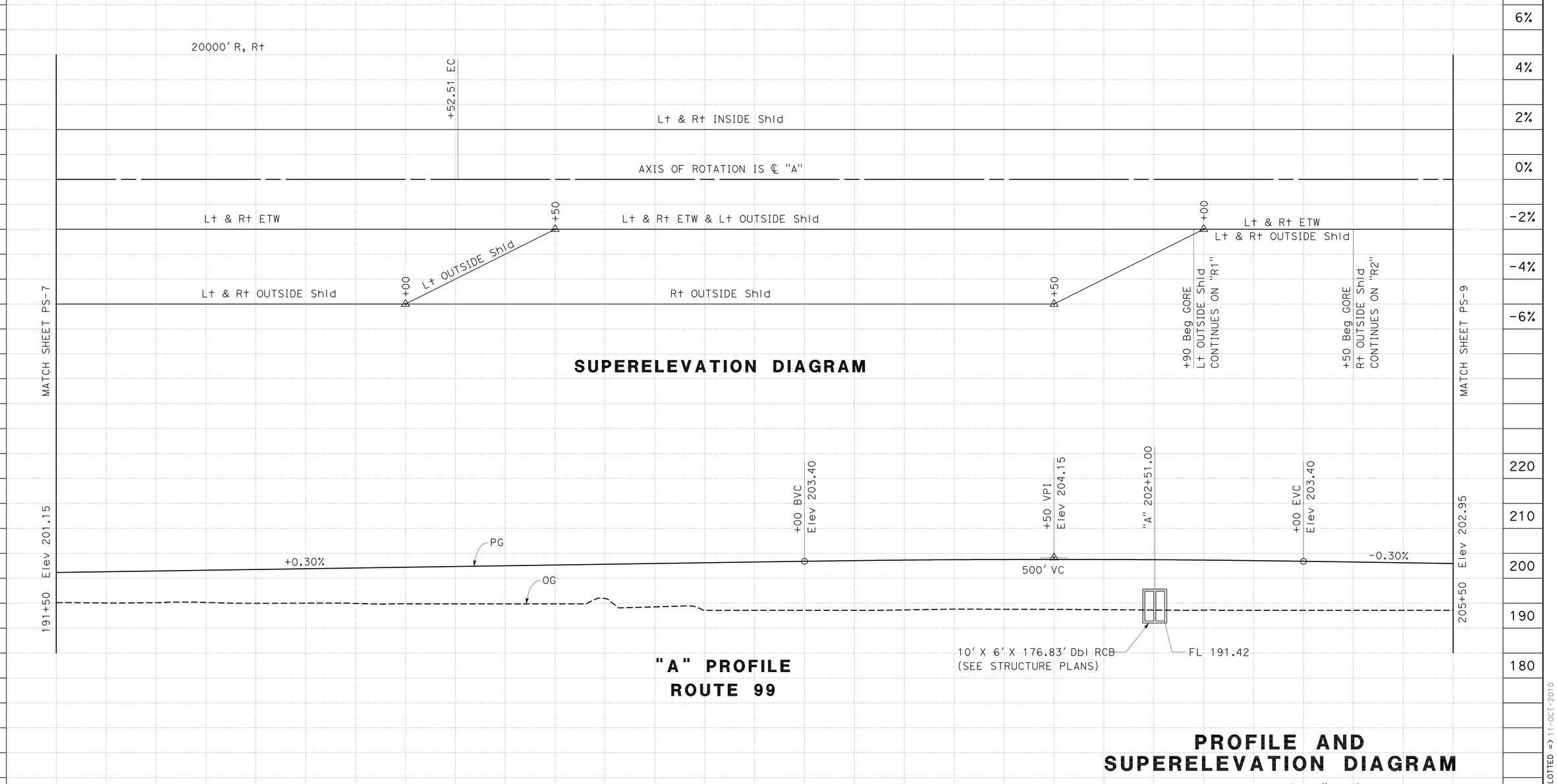

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-8

Station.	2	3	4	195	6	7	8	9	200	1	2	3	4	205

CY		
	Exc	2750
	Emb	61,025

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ROBERTO BANDA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION: DATE PLOTTED => 11-OCT-2010 09-01-09 TIME PLOTTED => 13:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	75	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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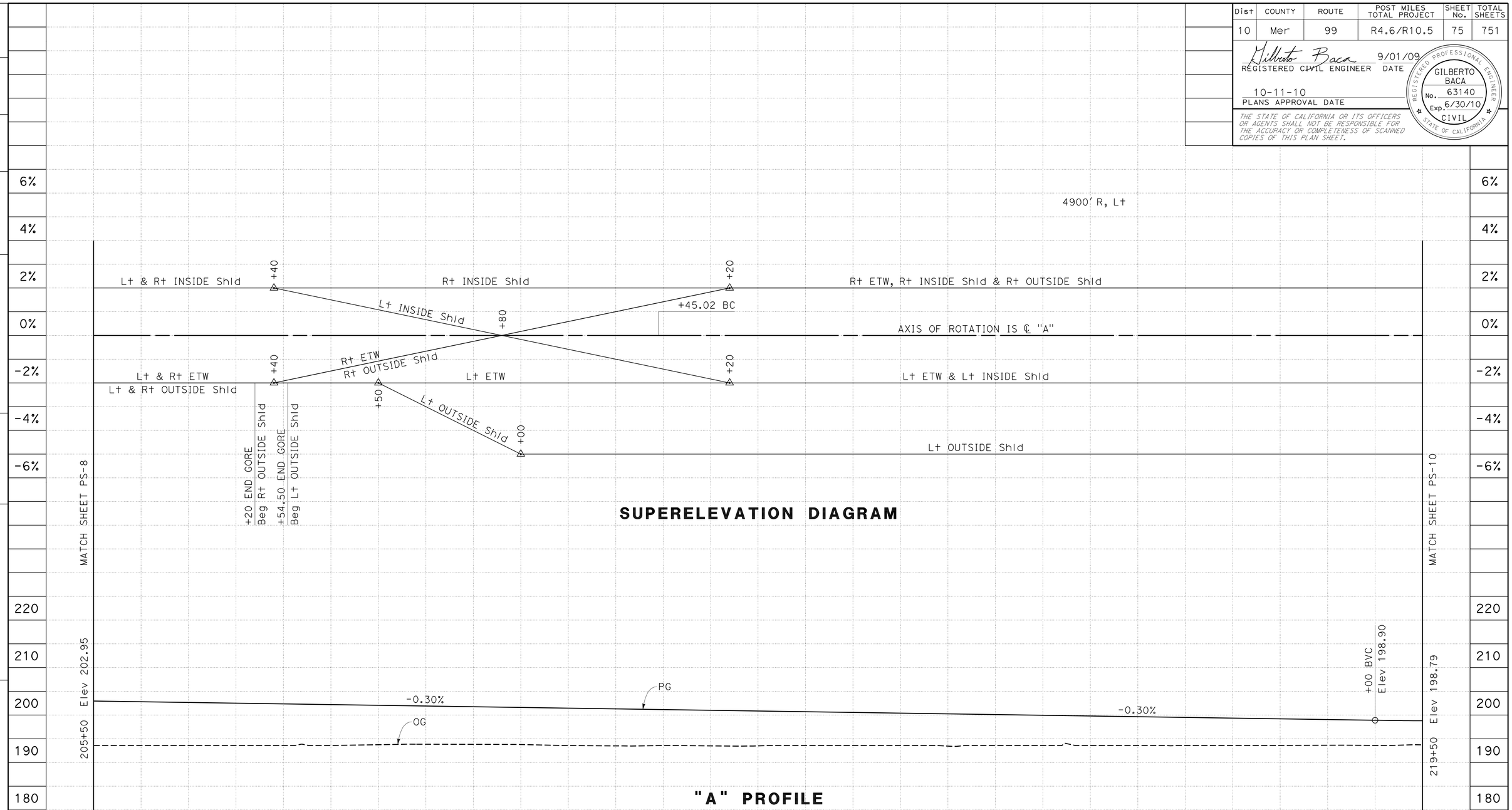

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50′
Vert 1"=10′

PS-9

Station.	6	7	8	9	210	1	2	3	4	215	6	7	8	9
CY Exc	14,404													
CY Emb	52,499													

REVISED BY	AO	CALCULATED-DESIGNED BY	GILBERTO BACA
DATE REVISED	03-20-09	CHECKED BY	ALEJANDRO CORREA
FUNCTIONAL SUPERVISOR	ROBERTO BANDA		

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LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	76	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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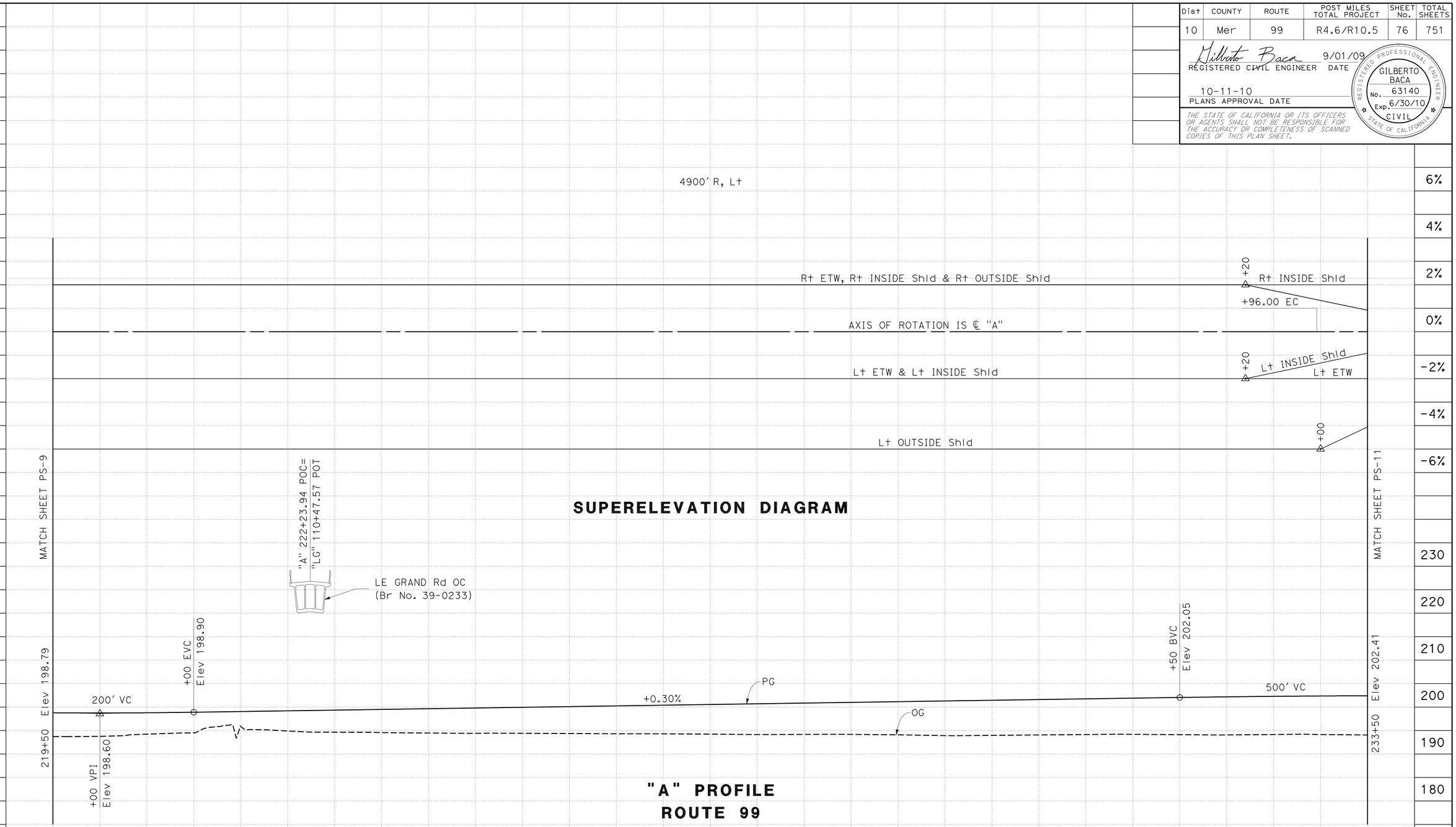

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-10

Station.	220	1	2	3	4	225	6	7	8	9	230	1	2	3

CY		
Exc	29,127	
Emb	48,013	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:45
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	77	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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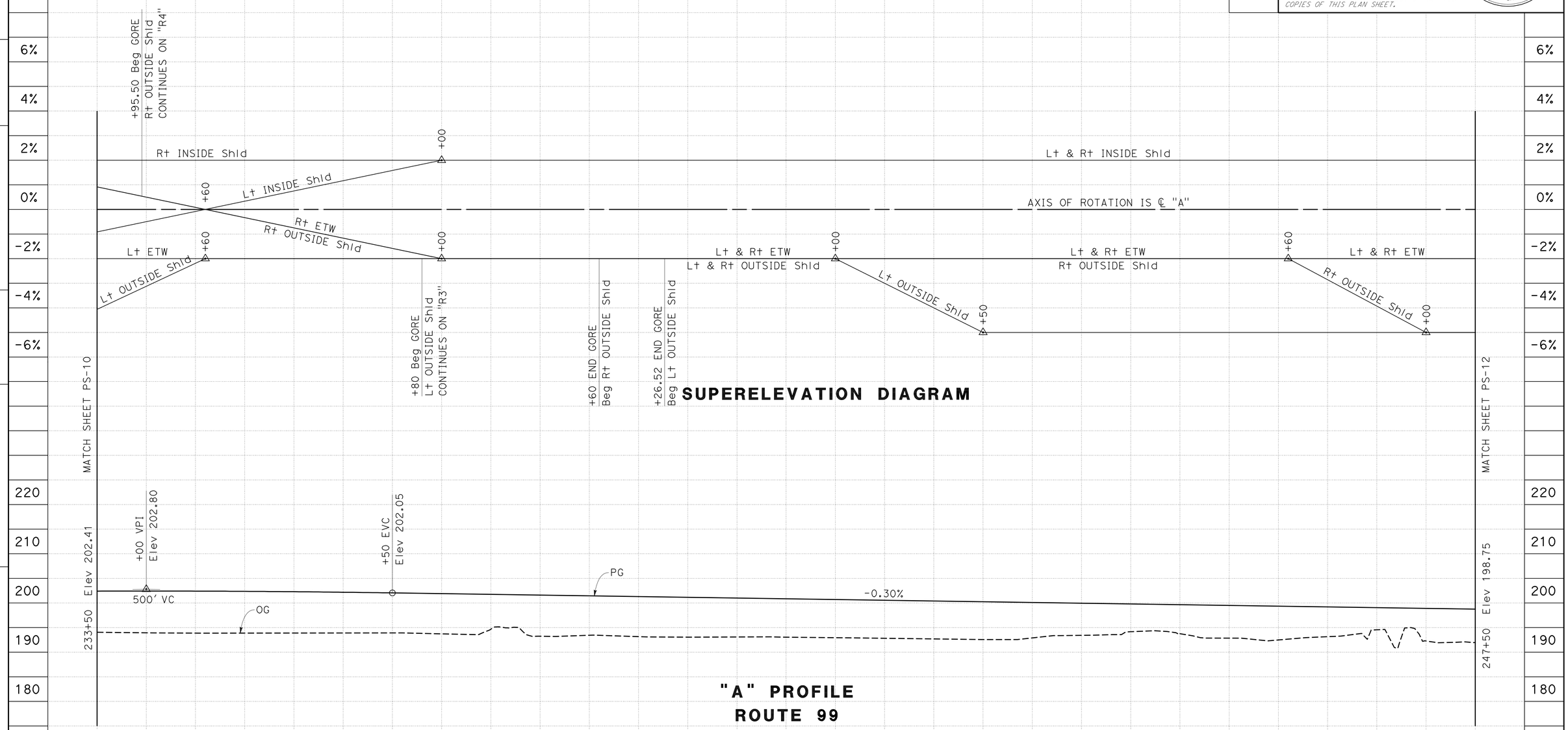

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-11

Station.	4	235	6	7	8	9	240	1	2	3	4	245	6	7

CY	
Exc	657
Emb	45,944

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
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REVISED BY: AO
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LAST REVISION: DATE PLOTTED => 11-OCT-2010 09-01-09 TIME PLOTTED => 13:45

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
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DGN FILE => a41570fb011.dgn
CU 06255
EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	78	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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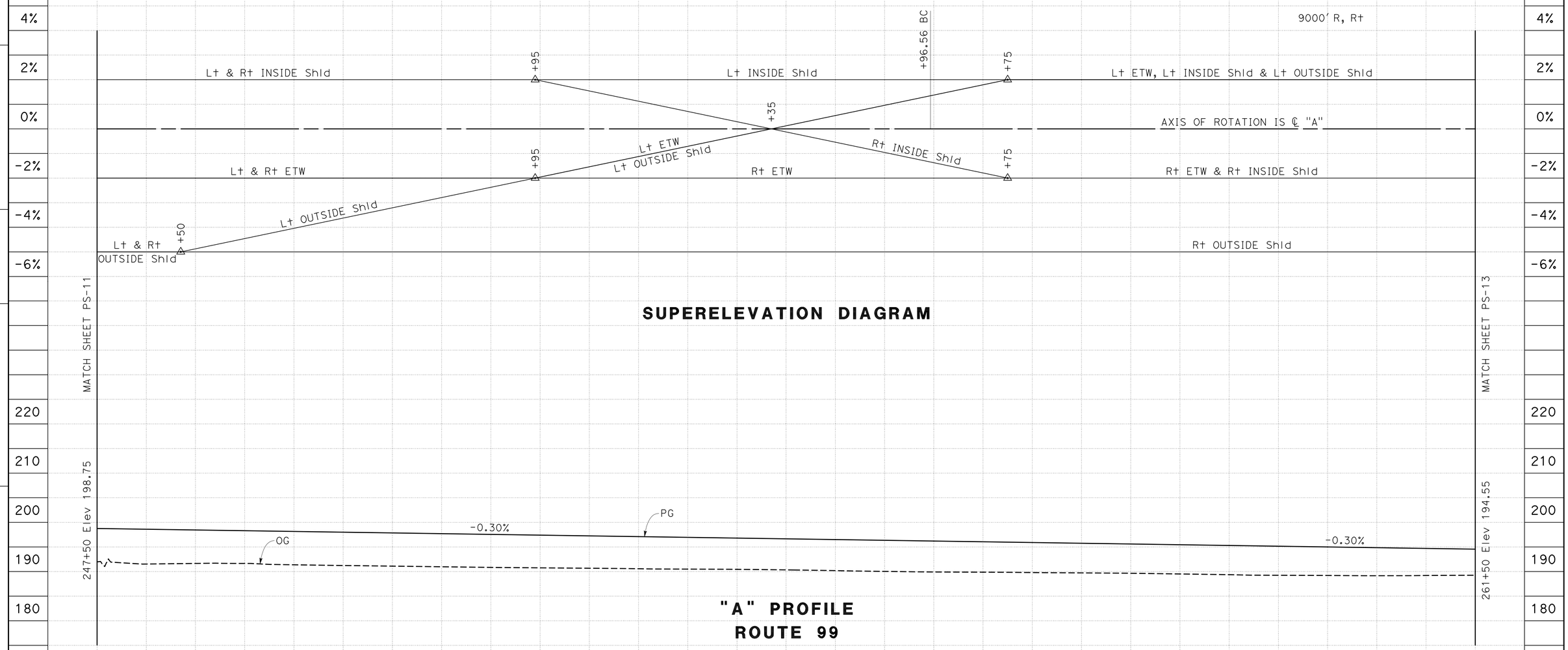

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-12

Station.	8	9	250	1	2	3	4	255	6	7	8	9	260	1

CY		
Exc	755	
Emb	43,613	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DATE REVISED: 03-20-09

LAST REVISION 09-01-09
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TIME PLOTTED => 13:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	79	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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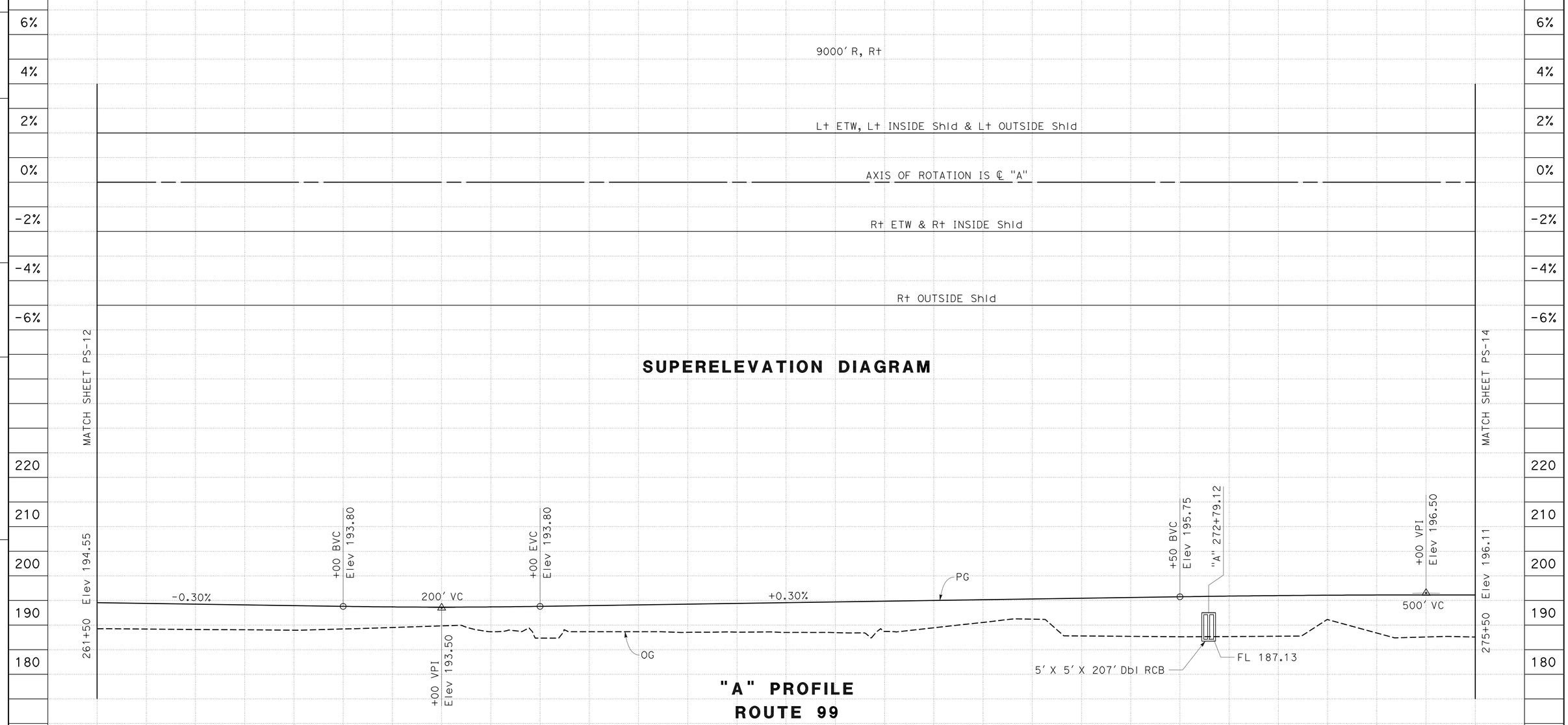

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-13

Station.	2	3	4	265	6	7	8	9	270	1	2	3	4	275

CY		
Exc	3842	
Emb	44,924	

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REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	80	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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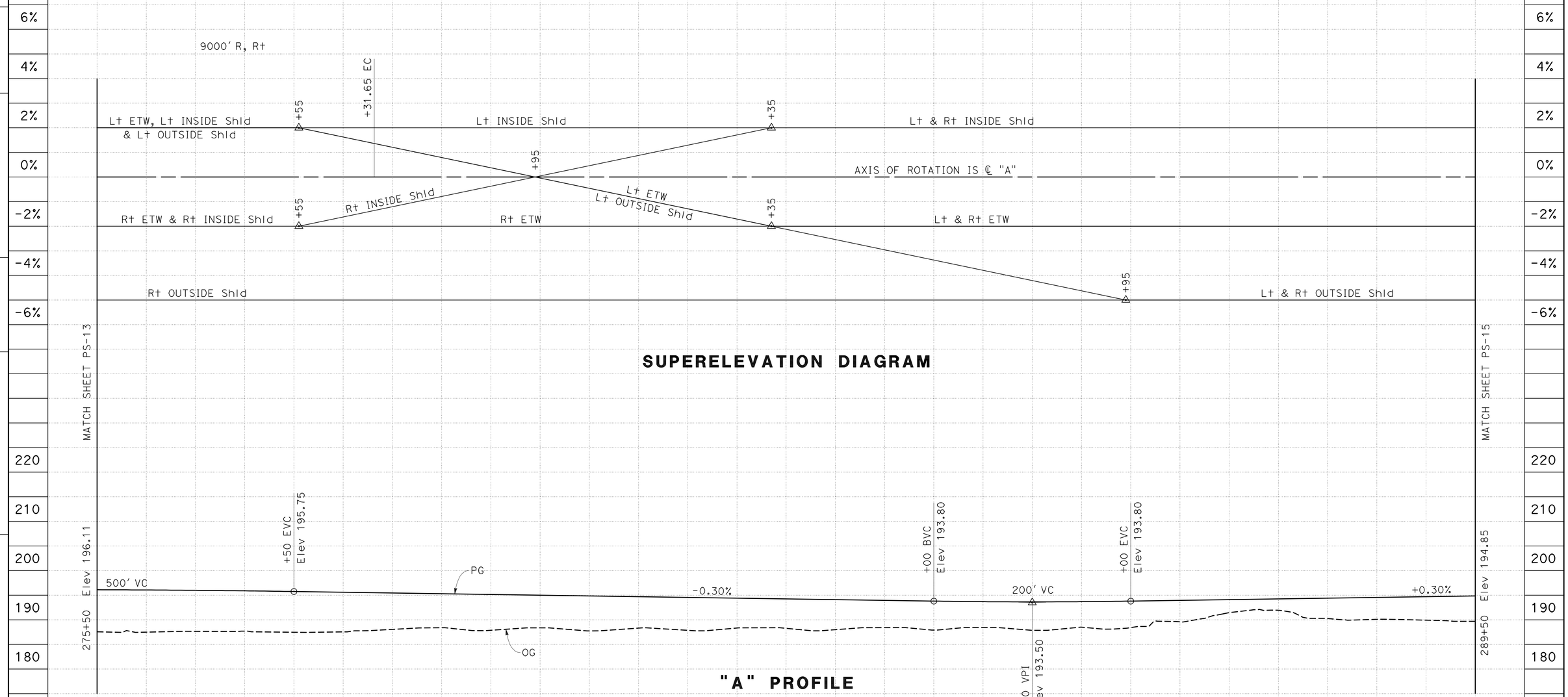

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50′
Vert 1"=10′

PS-14

Station.	6	7	8	9	280	1	2	3	4	285	6	7	8	9

CY		
Exc	4238	
Emb	31,483	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: ALEJANDRO CORREA
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REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:45
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	81	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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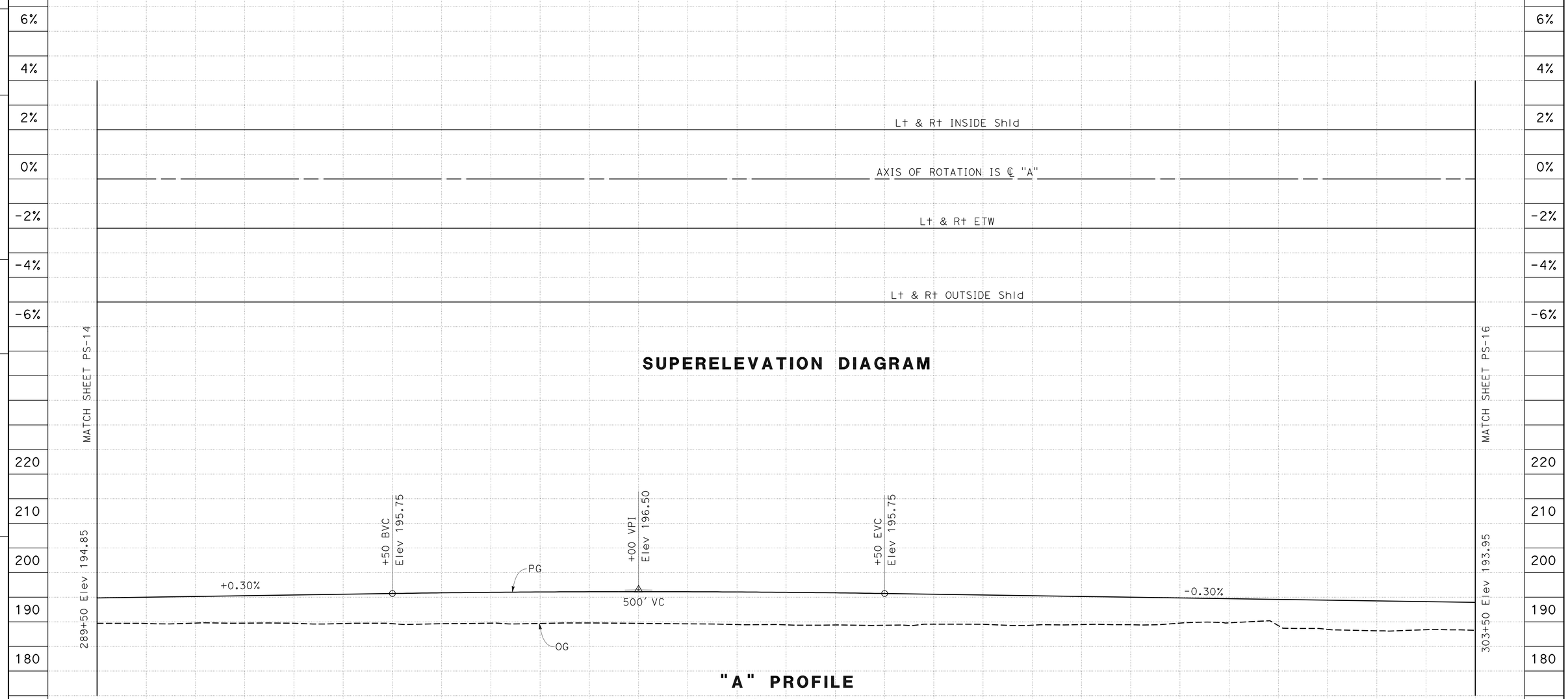

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-15

Station.	290	1	2	3	4	295	6	7	8	9	300	1	2	3

CY		
Exc	4130	
Emb	27,007	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
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REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:45
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	82	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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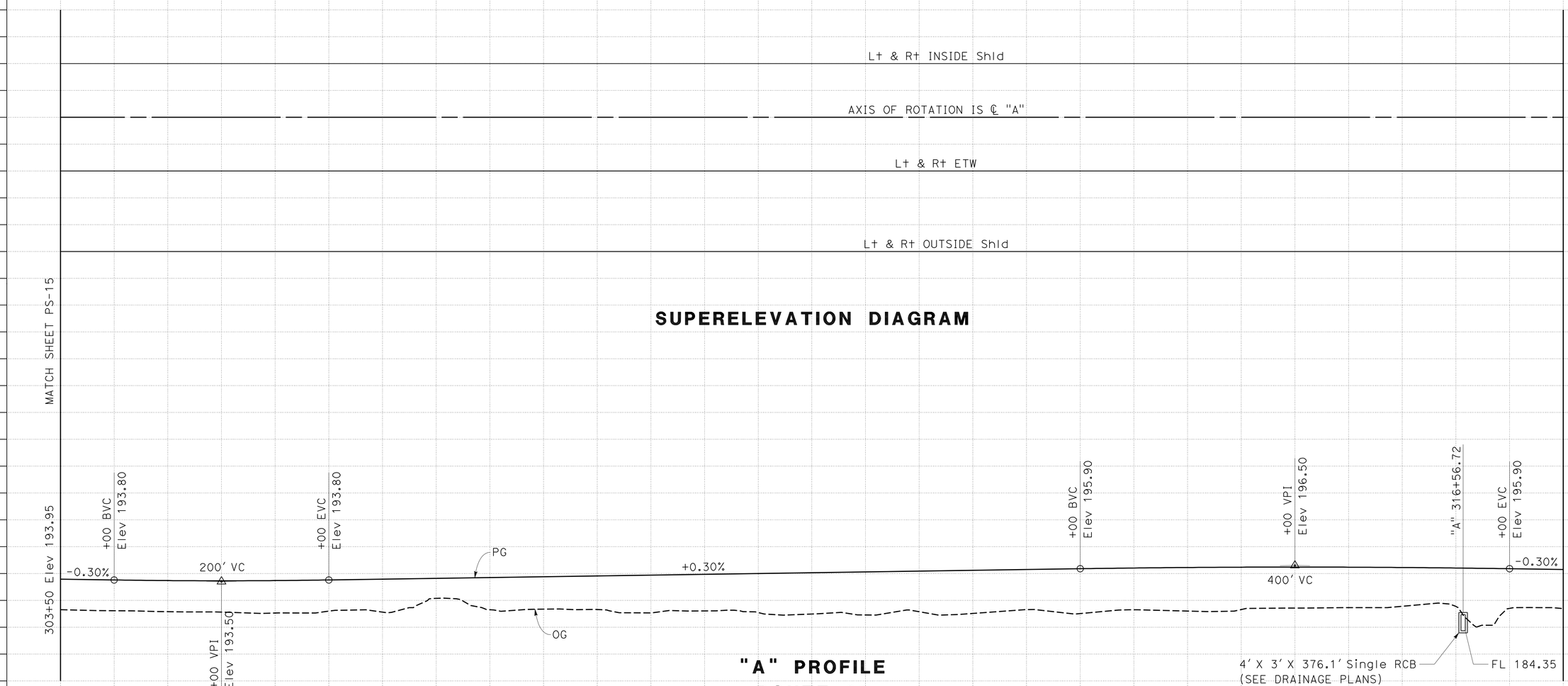

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-16

Station.	4	305	6	7	8	9	310	1	2	3	4	315	6	7

CY		
Exc	1475	
Emb	34,919	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
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DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	83	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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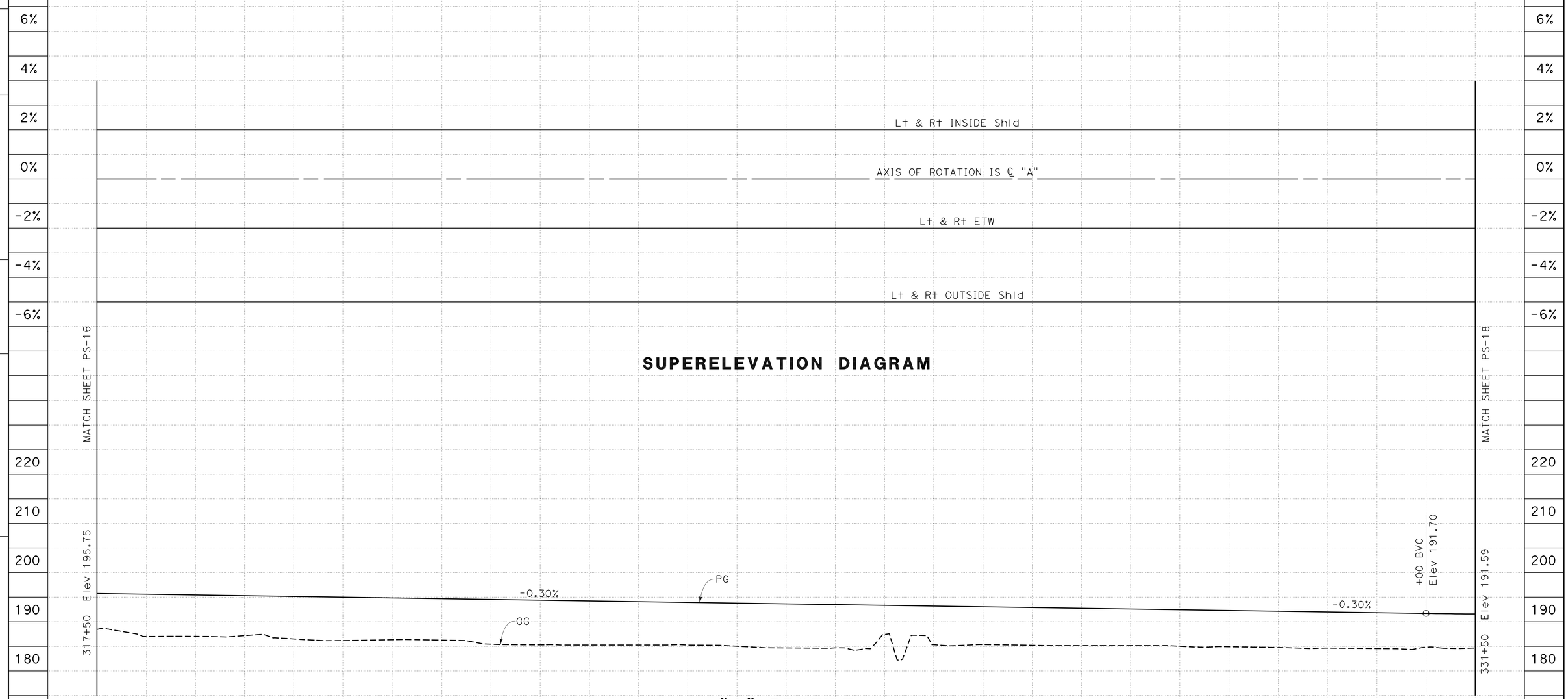

"A" PROFILE
ROUTE 99

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-17

Station.	8	9	320	1	2	3	4	325	6	7	8	9	330	1

CY		
Exc	2651	
Emb	50,143	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: ALEJANDRO CORREA
CHECKED BY:
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:45
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	84	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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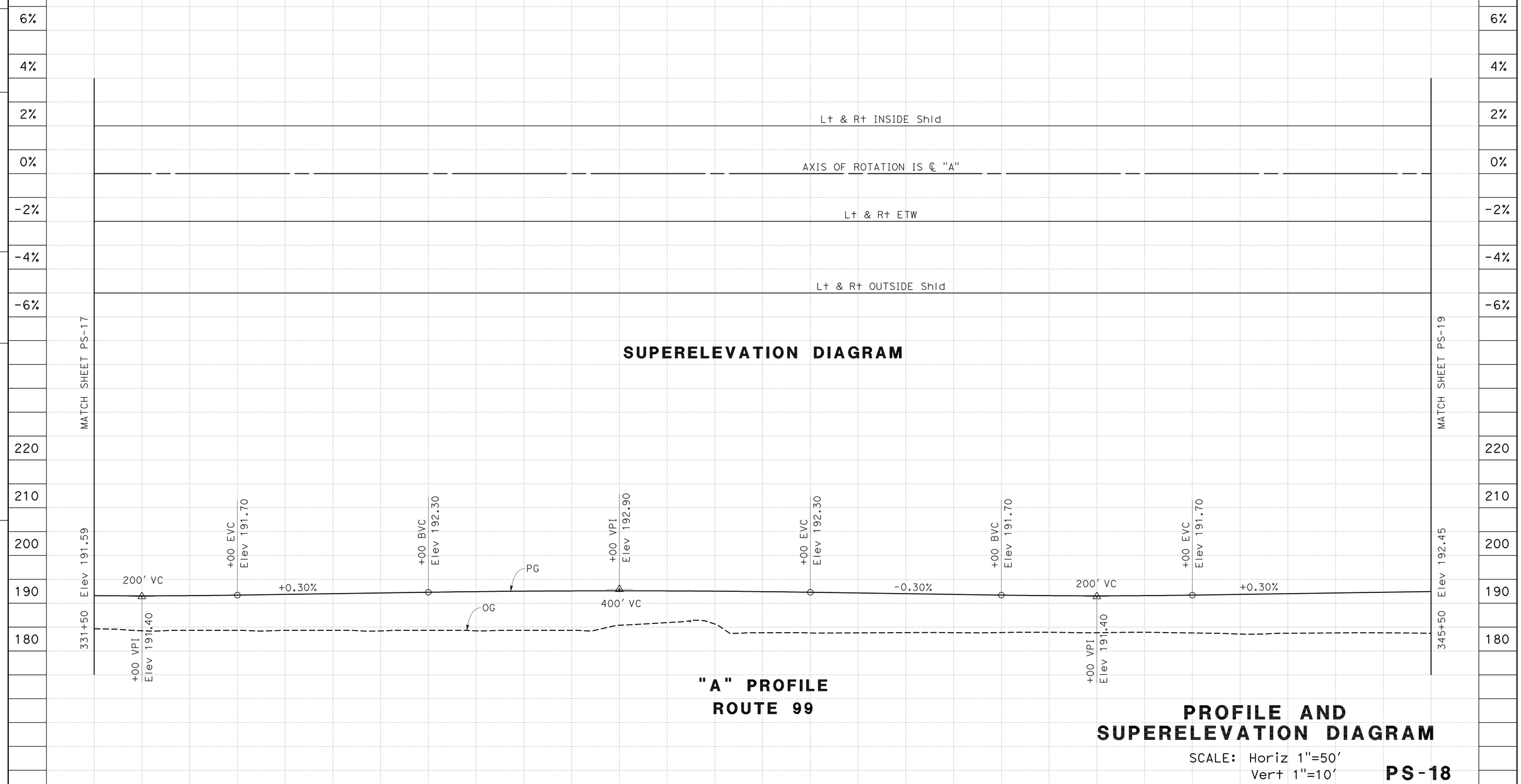

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	85	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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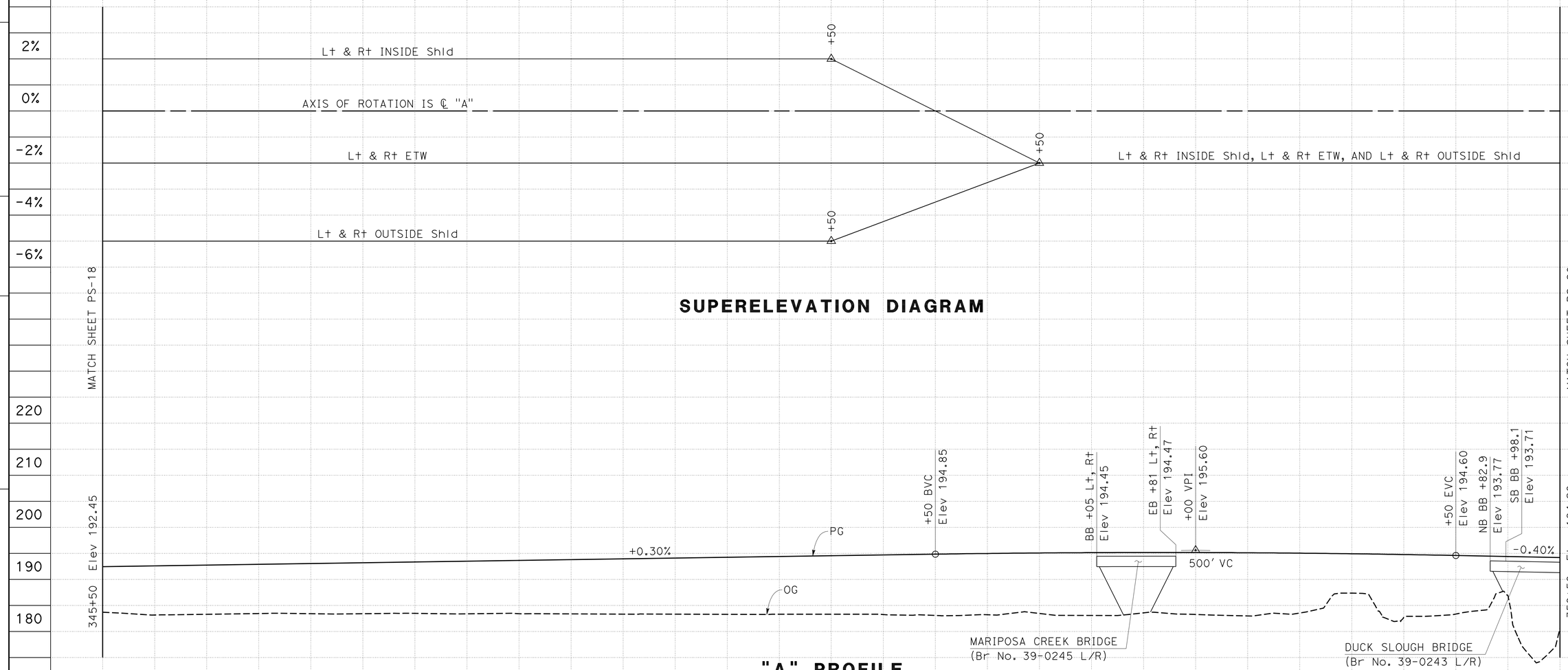

"A" PROFILE
ROUTE 99

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-19

Station.	6	7	8	9	350	1	2	3	4	355	6	7	8	9

CY		
Exc	3439	
Emb	66,726	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
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REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	86	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
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STATE OF CALIFORNIA

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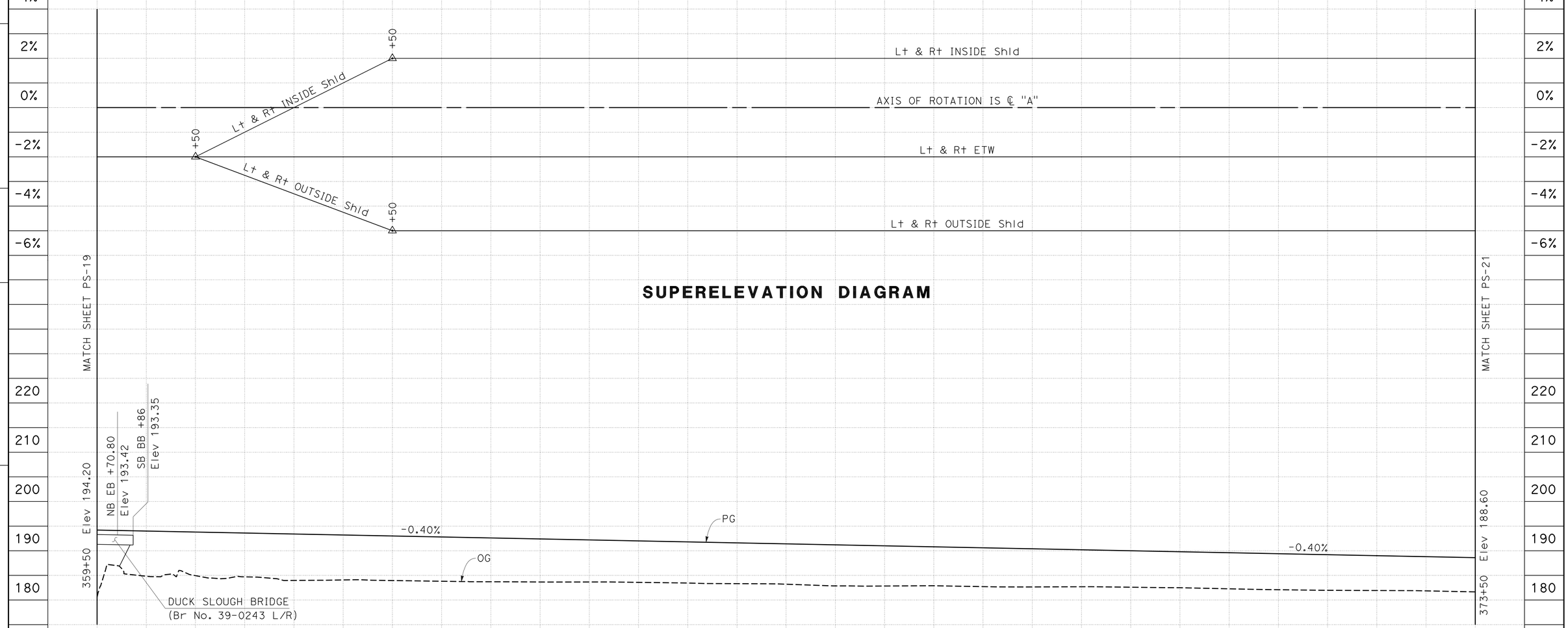

SUPERELEVATION DIAGRAM

"A" PROFILE
ROUTE 99

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-20

Station.	360	1	2	3	4	365	6	7	8	9	370	1	2	3

CY	
Exc	1951
Emb	52,109

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:46

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	87	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
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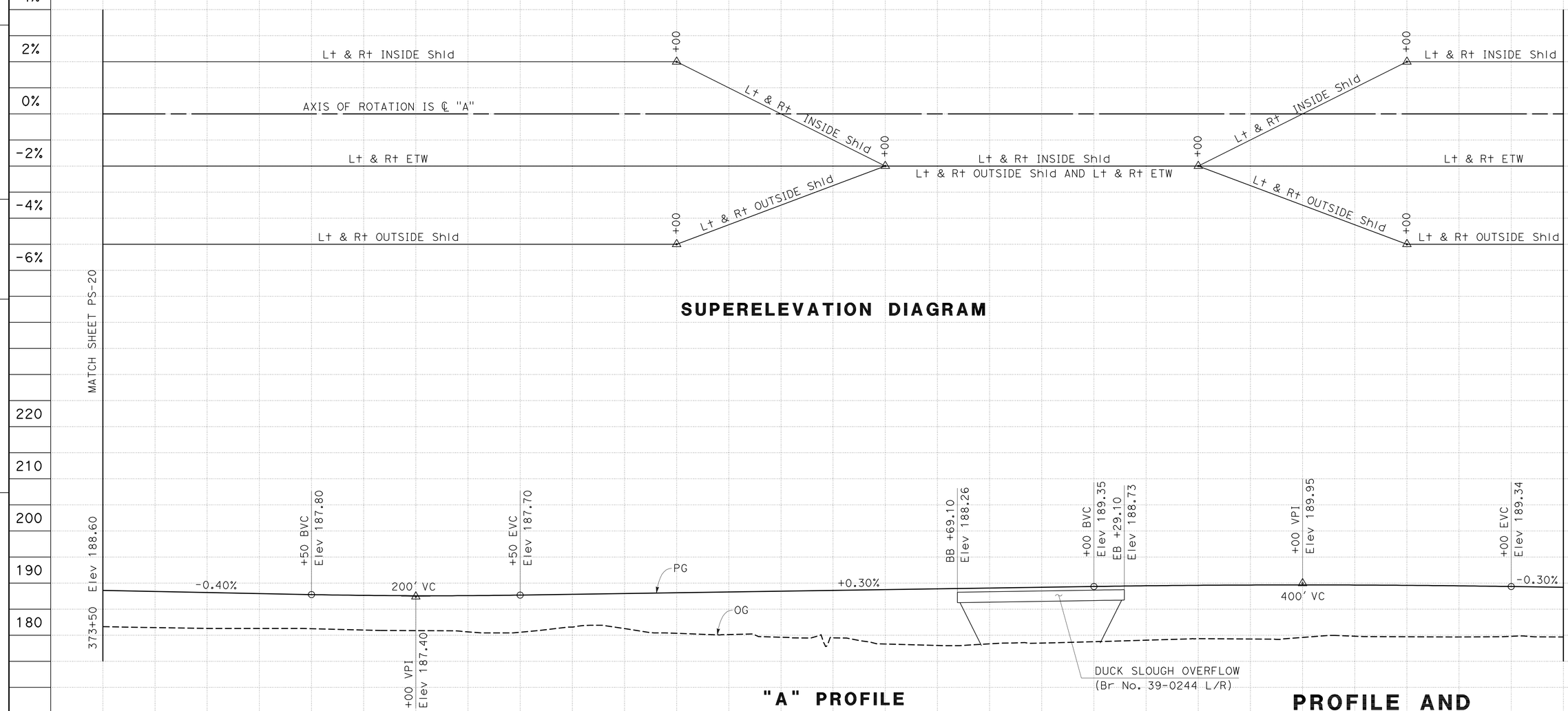

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
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REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:46
09-01-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => a41570fb021.dgn
CU 06255
EA 415701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	88	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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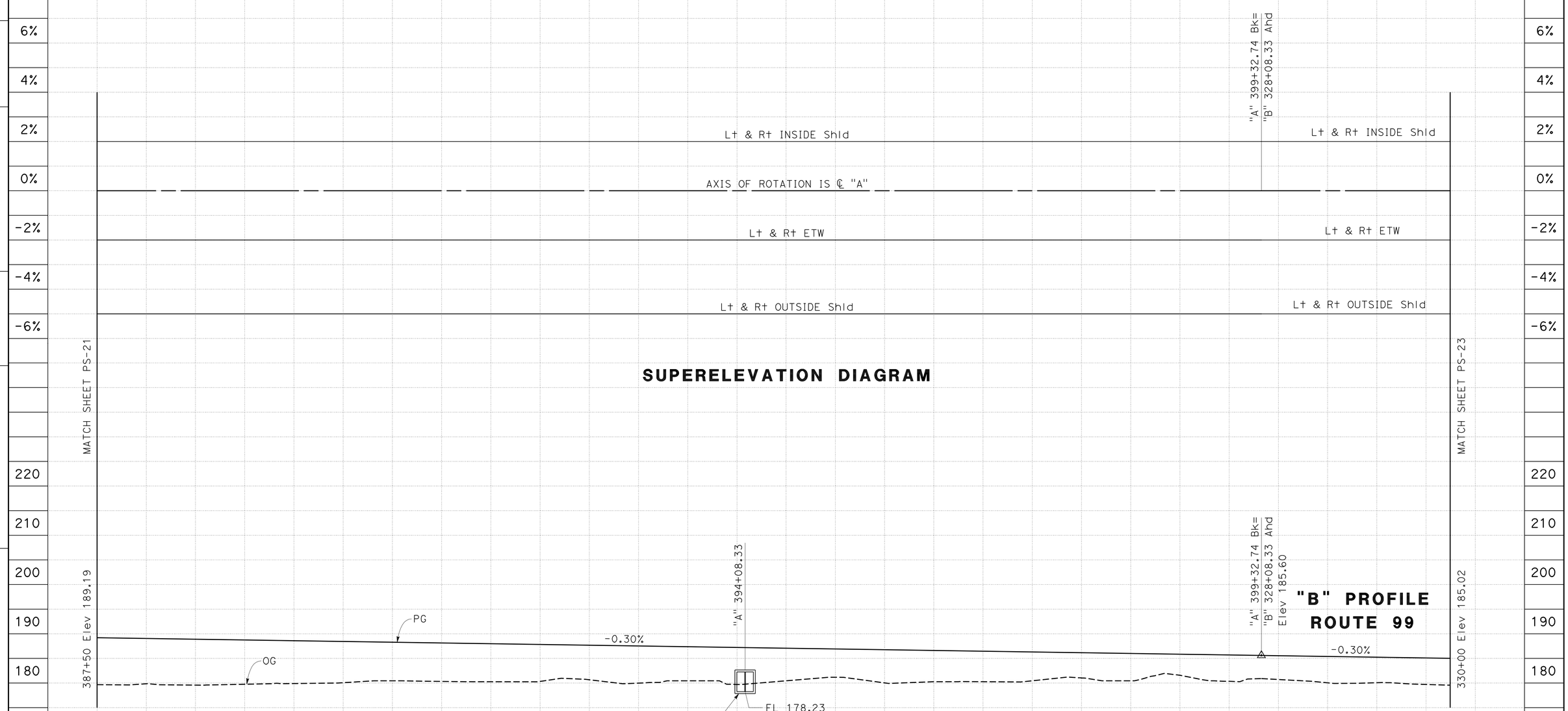

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-22

Station.	8	9	390	1	2	3	4	395	6	7	8	399	9	330

CY			
Exc	3162	1088	
Emb	31,473	1612	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:46

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	89	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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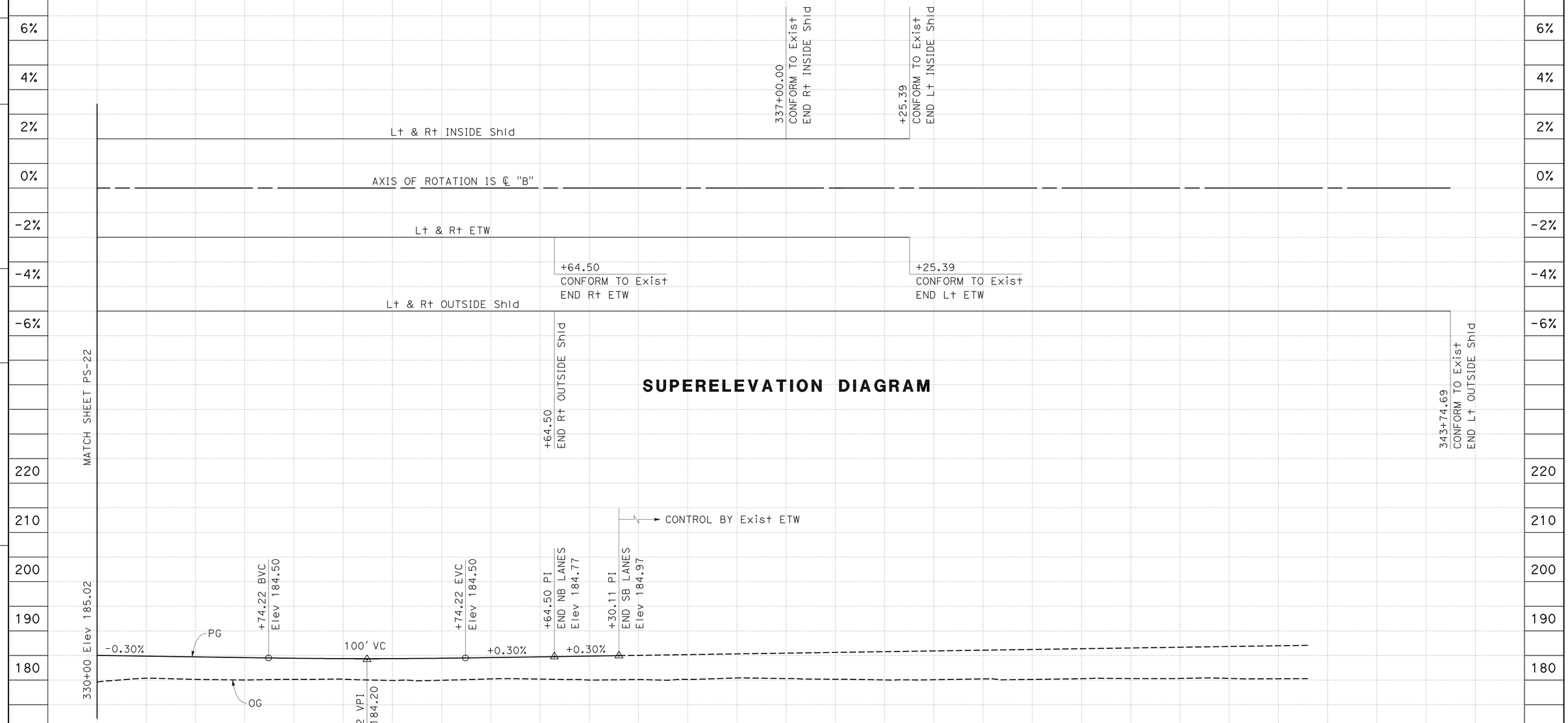

SUPERELEVATION DIAGRAM

"B" PROFILE
ROUTE 99

Station.	330	1	2	3	4	335	6	7	8	9	340	1	2	3	4

CY		
Exc	8268	
Emb	2948	

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:46
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	90	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GILBERTO BACA
No. 63140
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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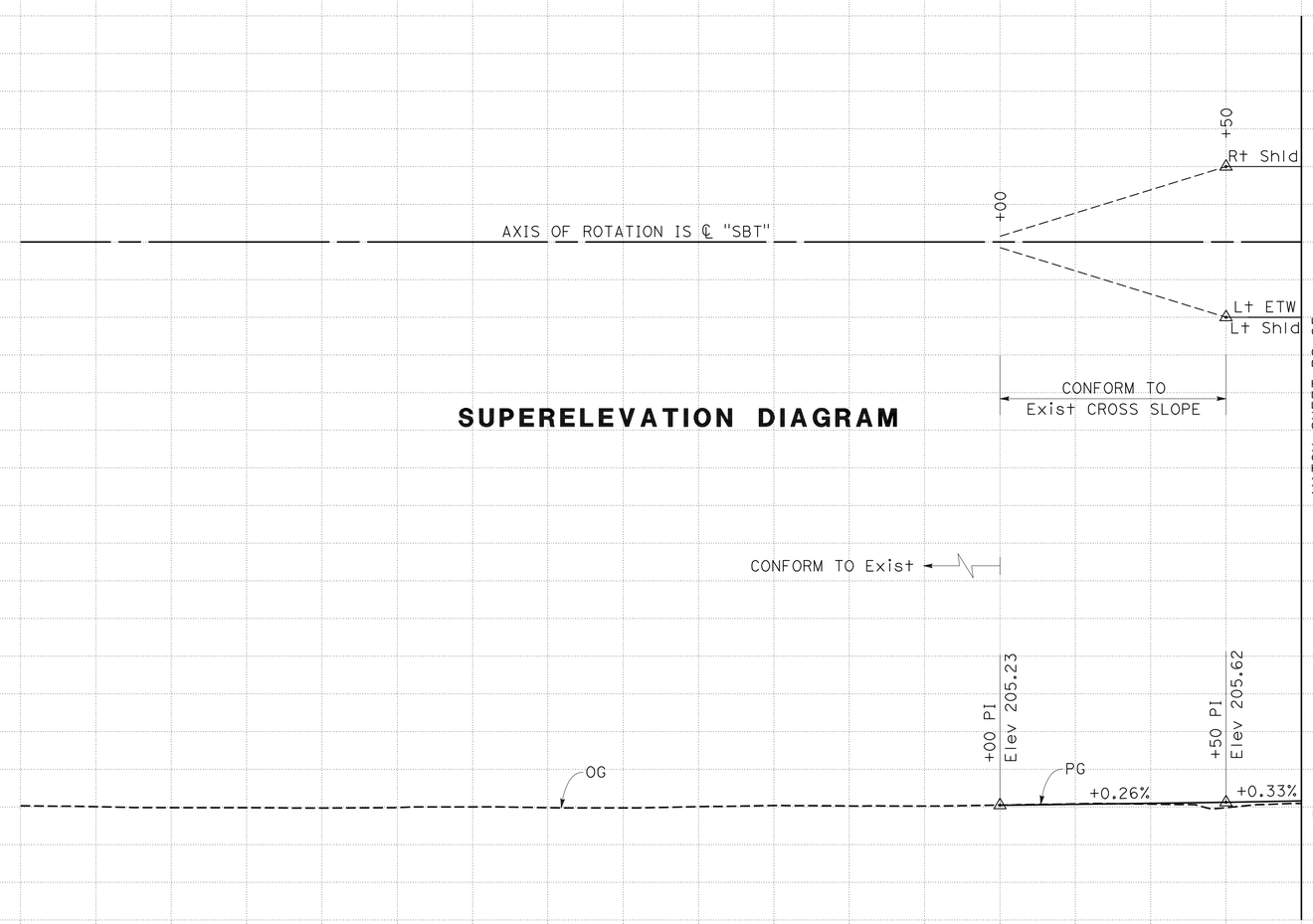

SUPERELEVATION DIAGRAM

"SBT" PROFILE
SOUTHBOUND TRANSITION

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-24

Station	70	1	2	3	4	75	6	7	8	9	80
CY Exc									741		
CY Emb									3		

REVISED BY	DATE REVISED
AO	03-20-09

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
FUNCTIONAL SUPERVISOR: ROBERTO BANDA

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LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:46

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	91	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
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REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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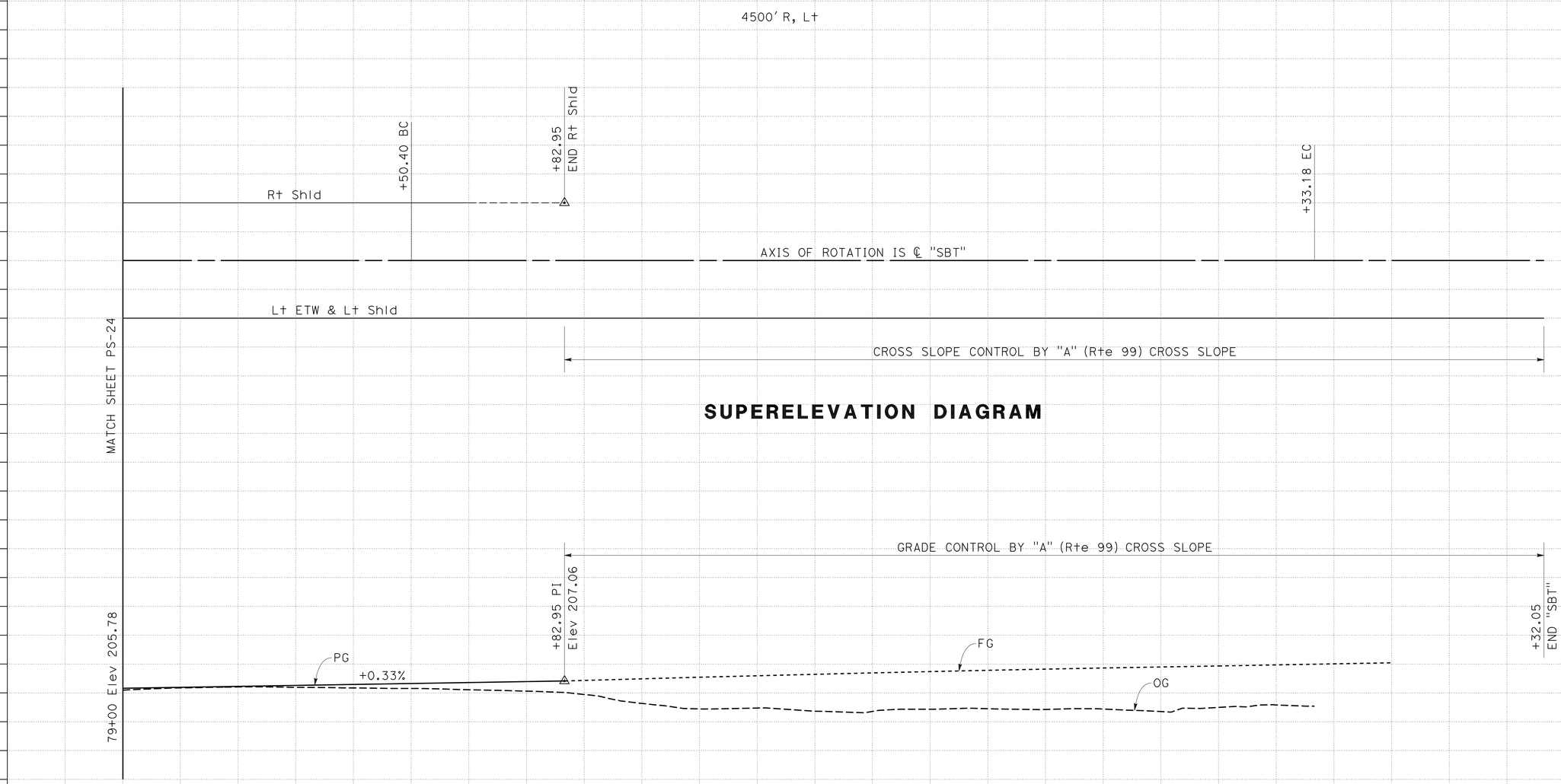

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-25

Station	9	80	1	2	3	4	85	6	7	8	9	90	1	2

CY		
Exc	1337	
Emb	101	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:46
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	92	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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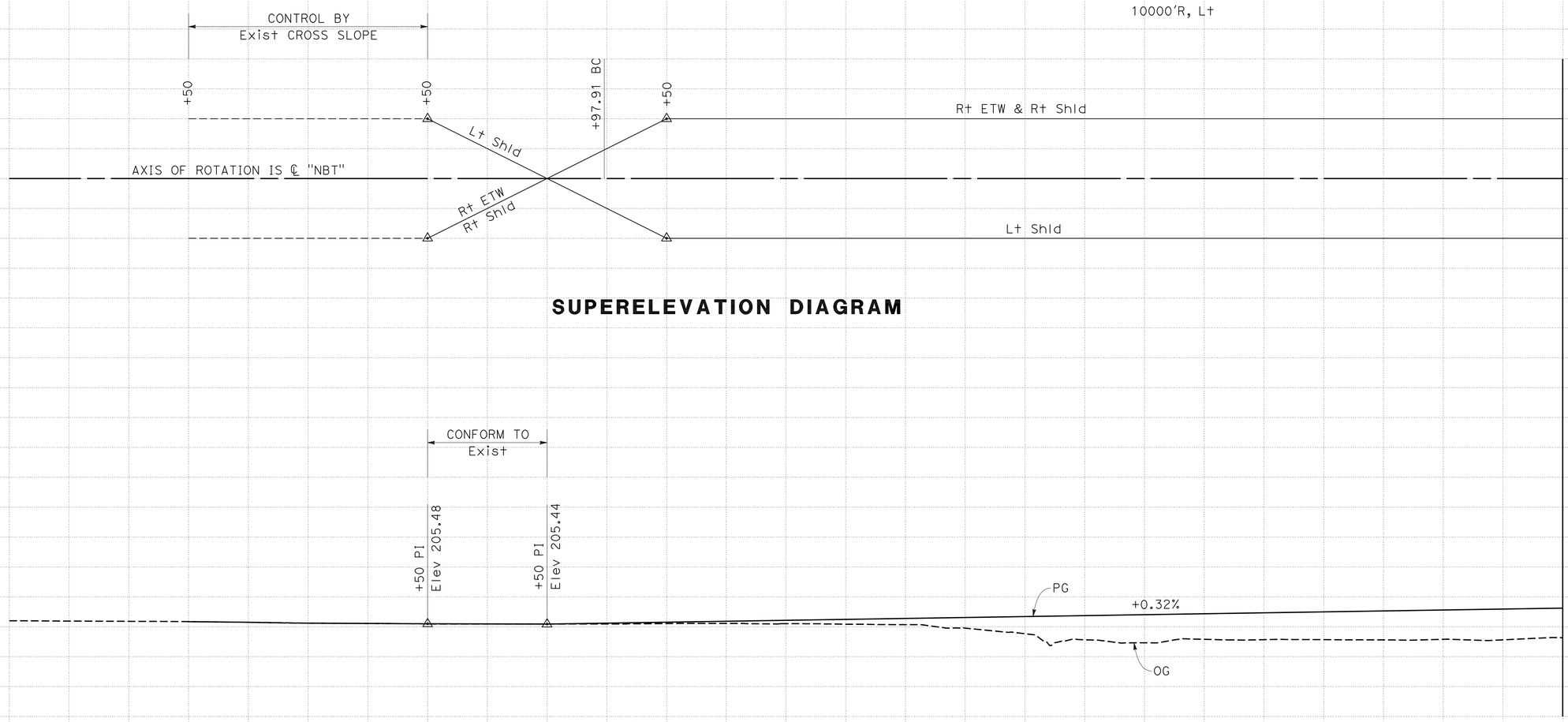

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-26

Station	6	7	8	9	70	1	2	3	4	75	6	7	8
CY Exc	6956												
CY Emb	3790												

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:46
09-01-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	93	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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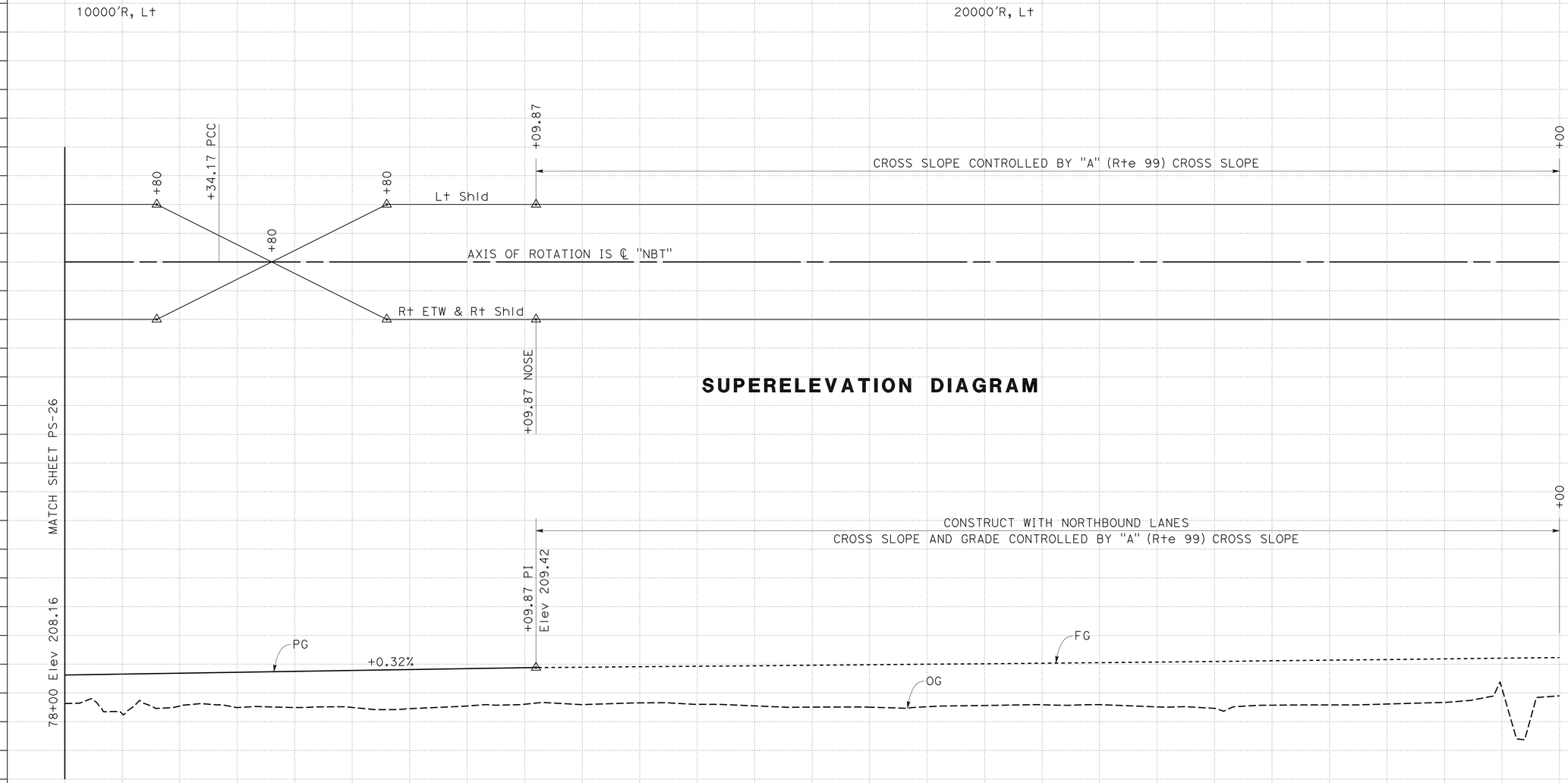

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-27

Station	8	9	80	1	2	3	4	85	6	7	8	9	90	1
CY Exc	0													
CY Emb	2601													

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: ALEJANDRO CORREA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	94	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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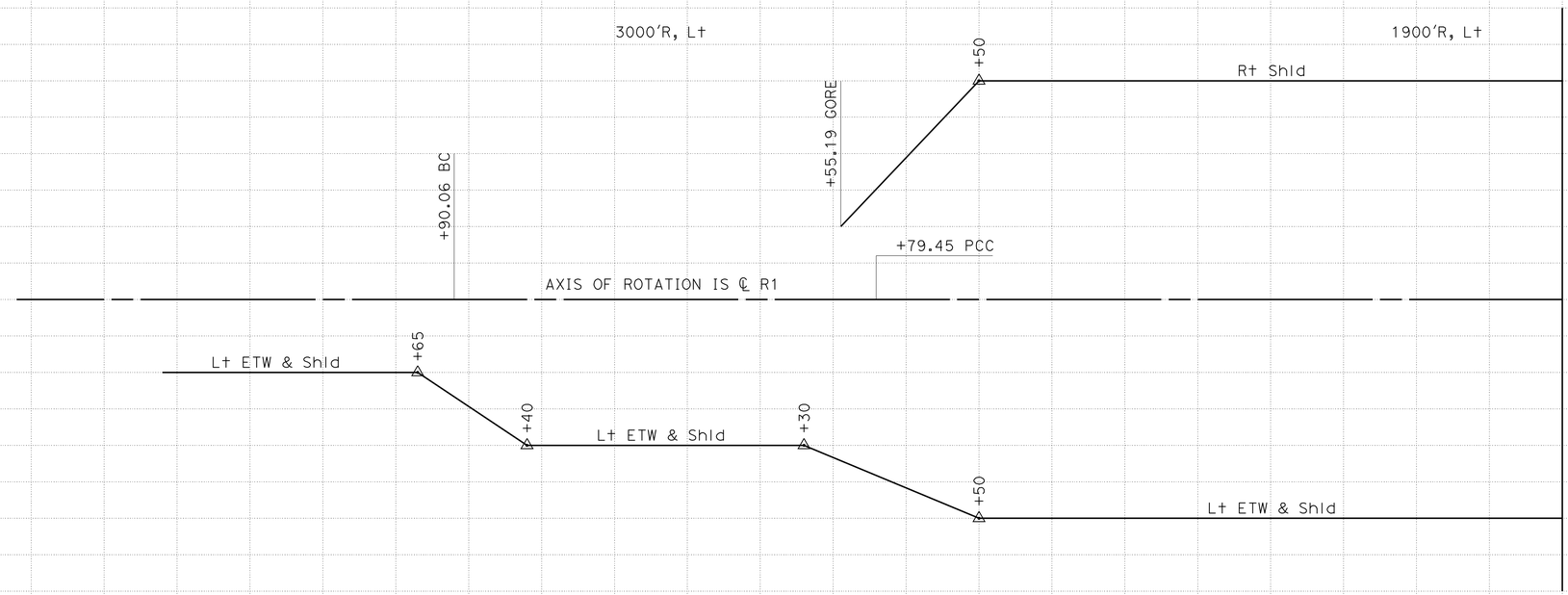
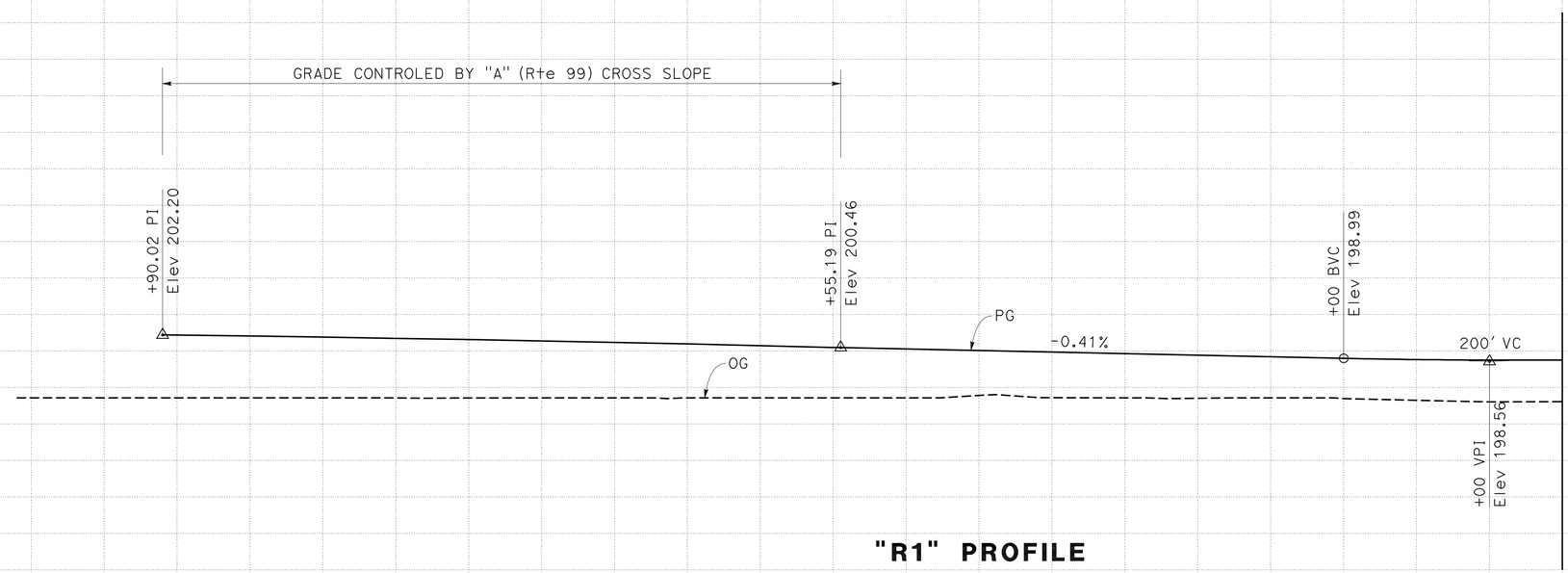


SUPERELEVATION DIAGRAM



"R1" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-28

Station.	2	3	4	5	6	7	8	9	10	1	2
CY Exc		1097									
CY Emb		8838									

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION: 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	95	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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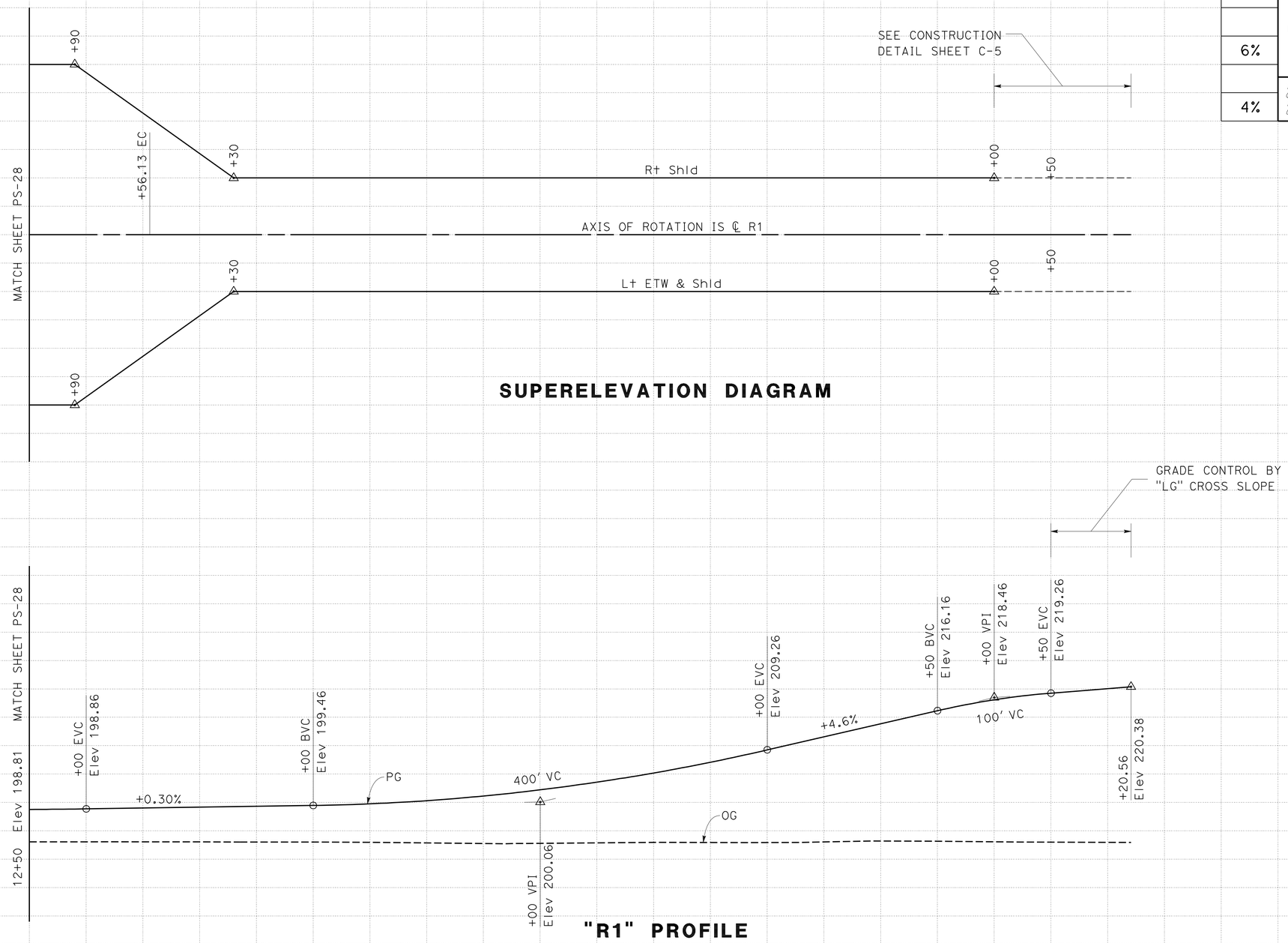

SUPERELEVATION DIAGRAM

"R1" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-29

Station	2	3	4	15	6	7	8	9	20	1	2	3
CY Exc	7238											
CY Emb	35,028											

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: MICAELA GARCIA
CHECKED BY: GILBERTO BACA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	96	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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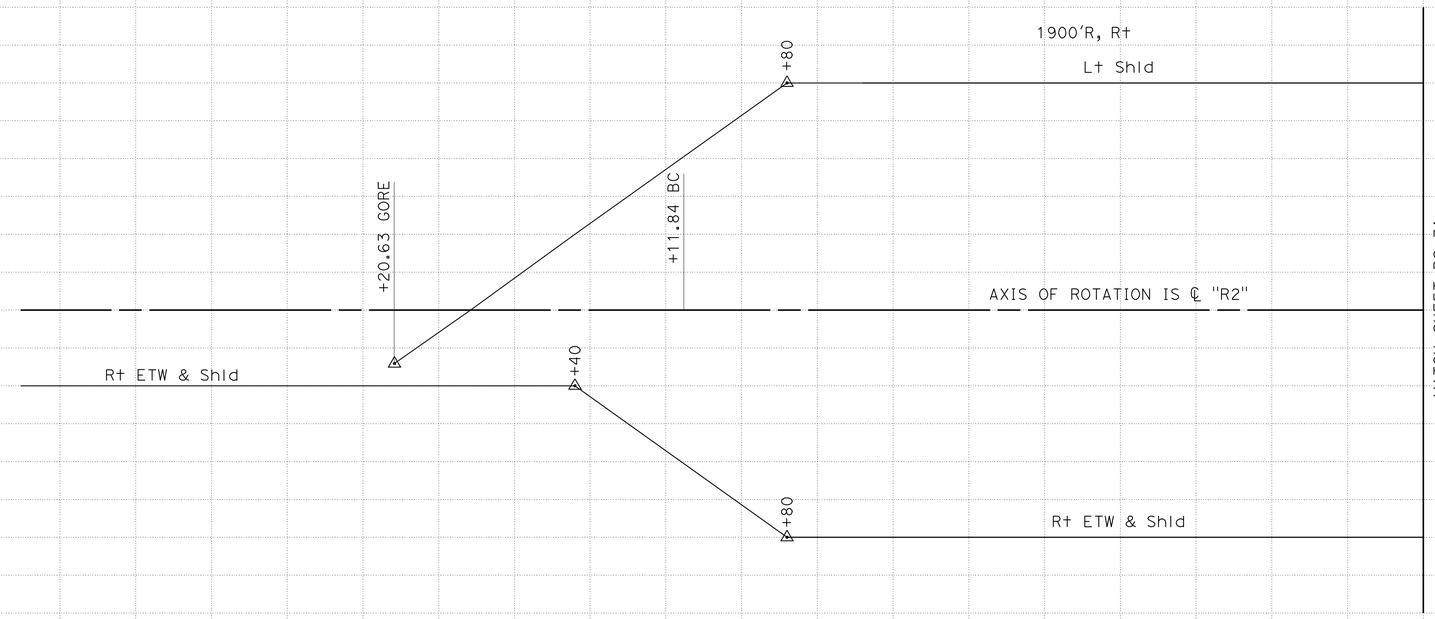
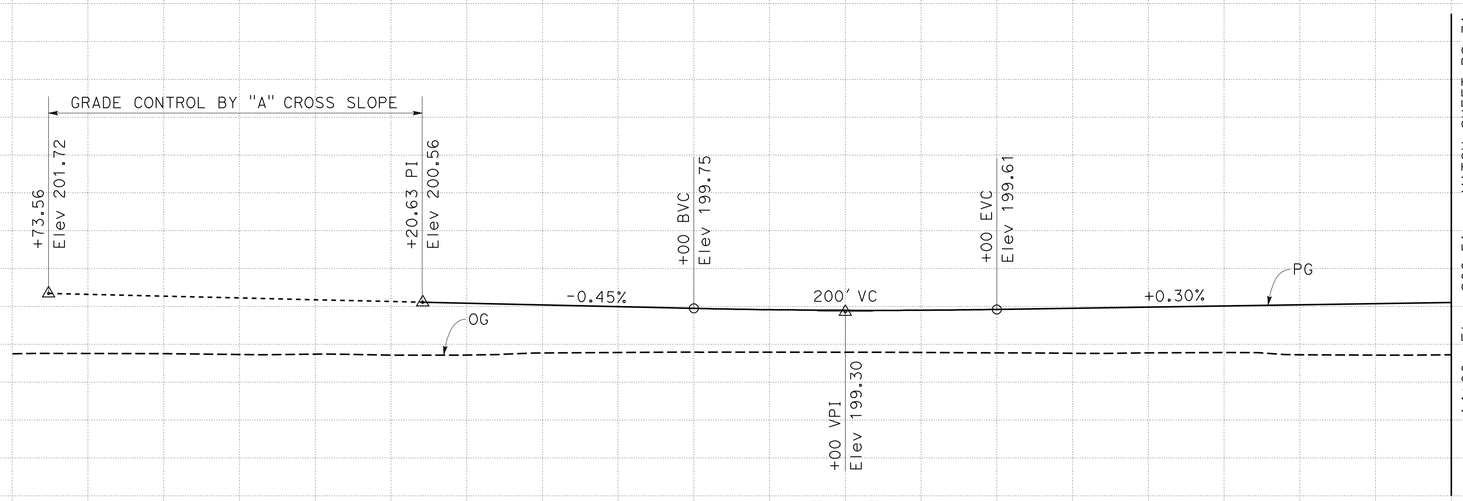


SUPERELEVATION DIAGRAM



"R2" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-30

Station	5	6	7	8	9	10	1	2	3	4
CY Exc	721									
CY Emb	8380									

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA

REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	97	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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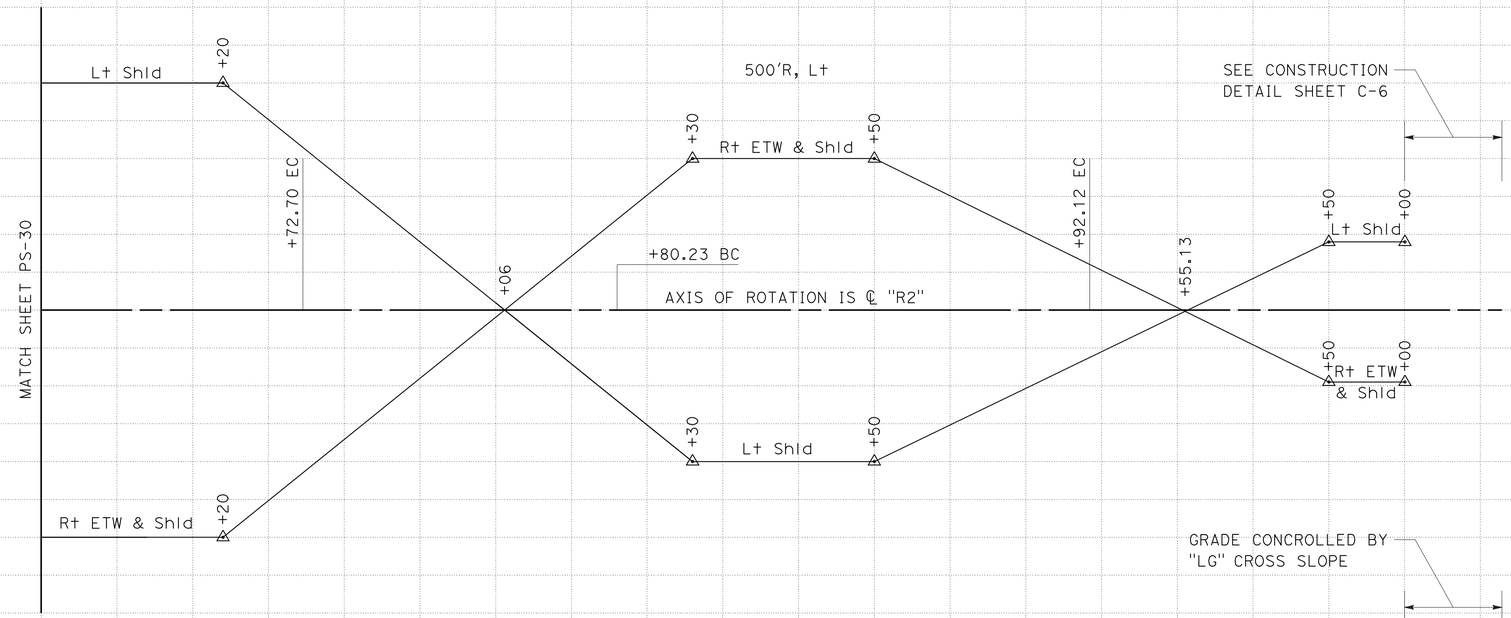
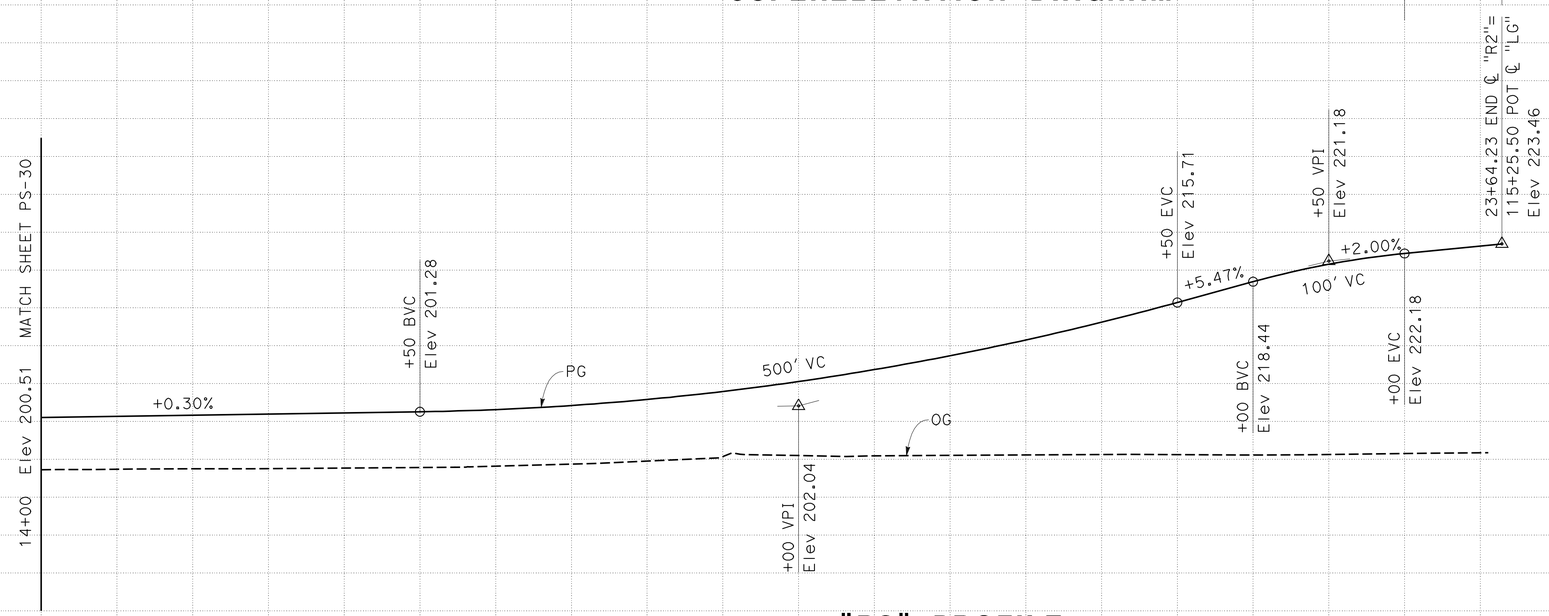


SUPERELEVATION DIAGRAM



"R2" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-31

Station	4	15	6	7	8	9	20	1	2	3	4
CY Exc	16,793										
CY Emb	34,270										

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION 09-01-09
DATE PLOTTED => 11-OCT-2010
TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	98	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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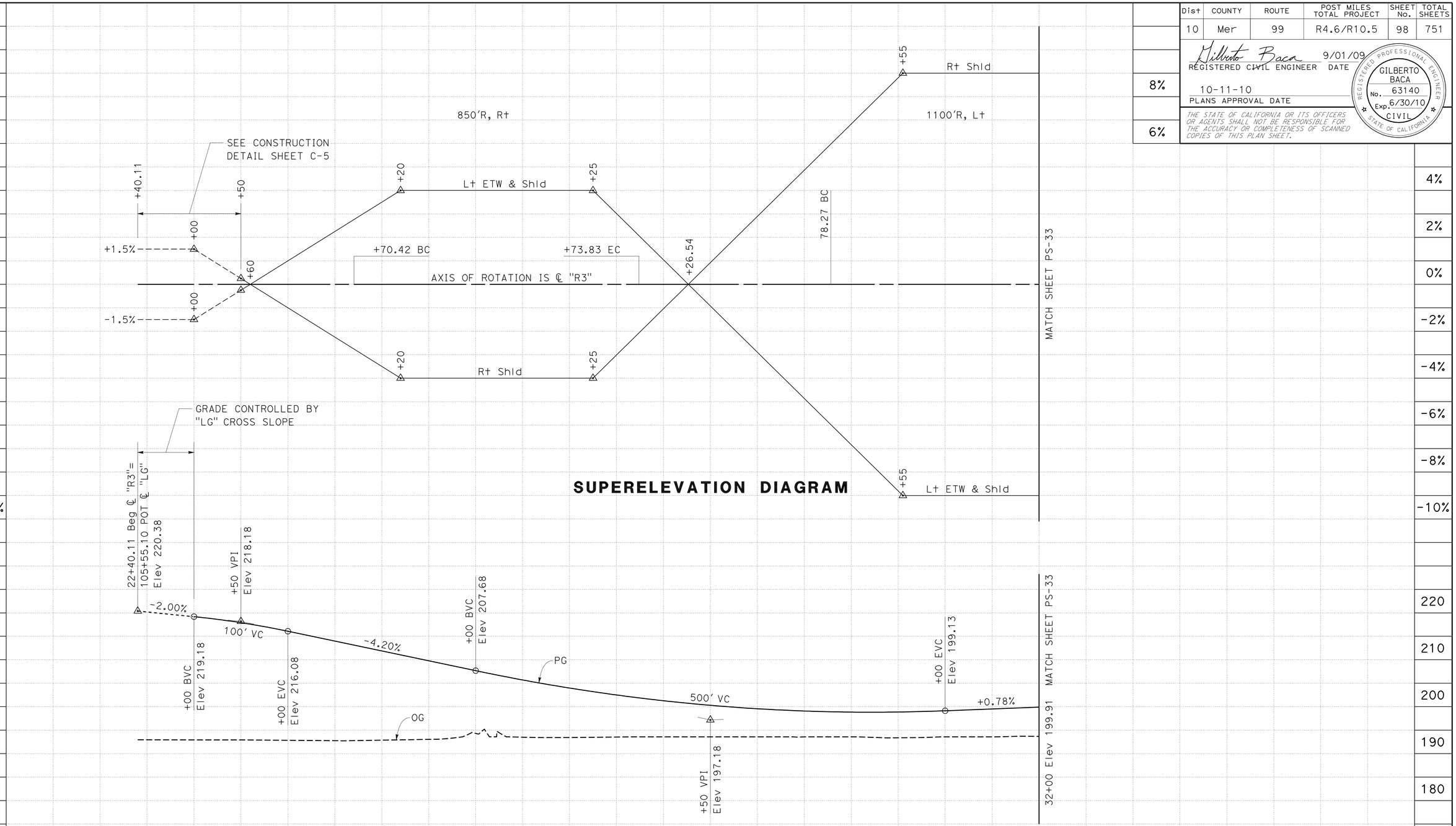

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-32

Station	2	3	4	25	6	7	8	9	30	1	2
CY Exc		13,952									
CY Emb		33,936									

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION: DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	99	751

Gilberto Baca 9/01/09
REGISTERED CIVIL ENGINEER DATE

10-11-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GILBERTO BACA No. 63140 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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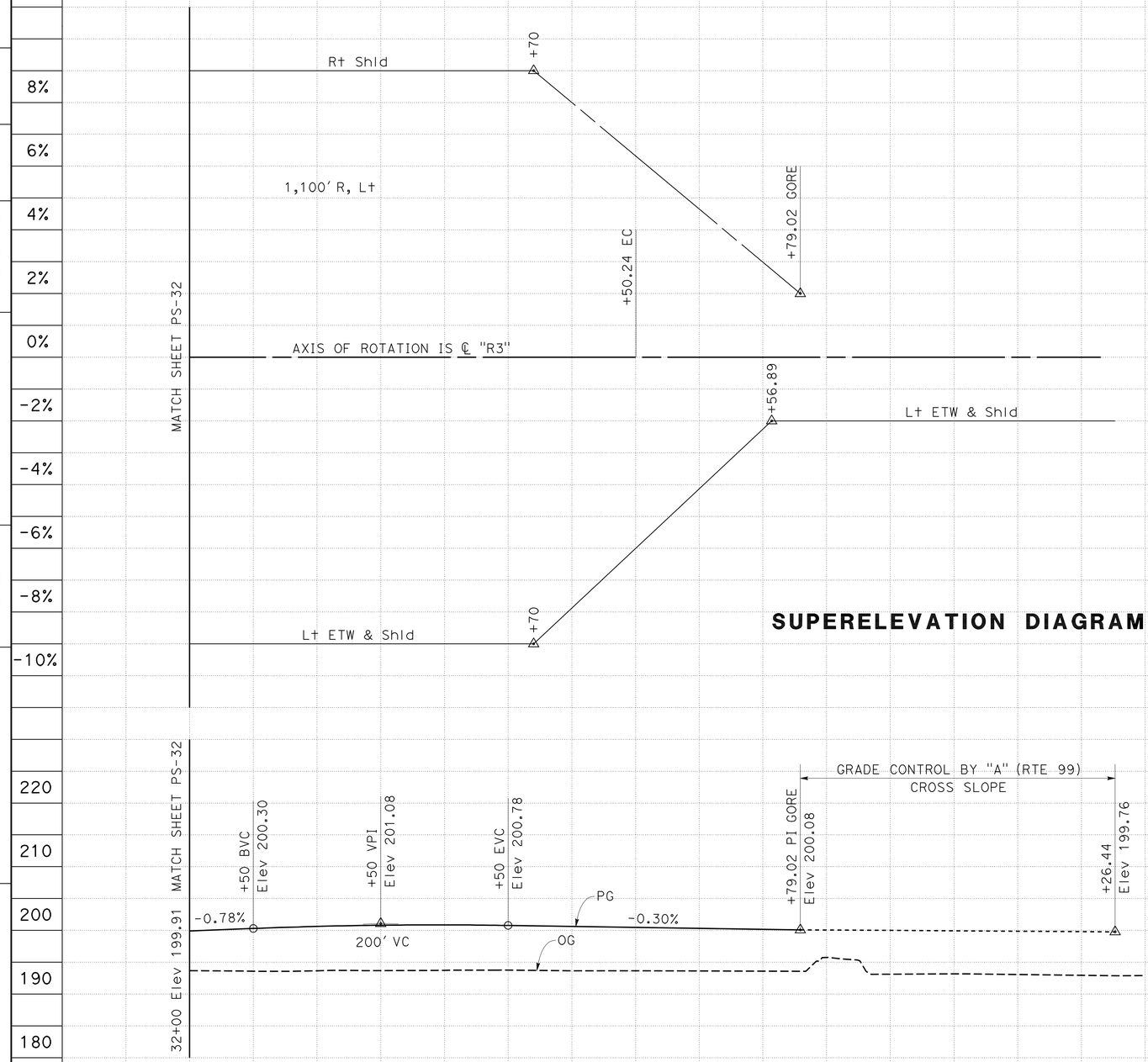

SUPERELEVATION DIAGRAM

"R3" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-33

Station	2	3	4	35	6	7	8	9
CY Exc	1308							
CY Emb	6505							

REVISED BY	DATE REVISED
AO	03-20-09

GILBERTO BACA — MICAELA GARCIA — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR: ROBERTO BANDA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 09-01-09 | DATE PLOTTED => 11-OCT-2010 | TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Mer	99	R4.6/R10.5	100	751

REGISTERED CIVIL ENGINEER 9/01/09 DATE

10-11-10
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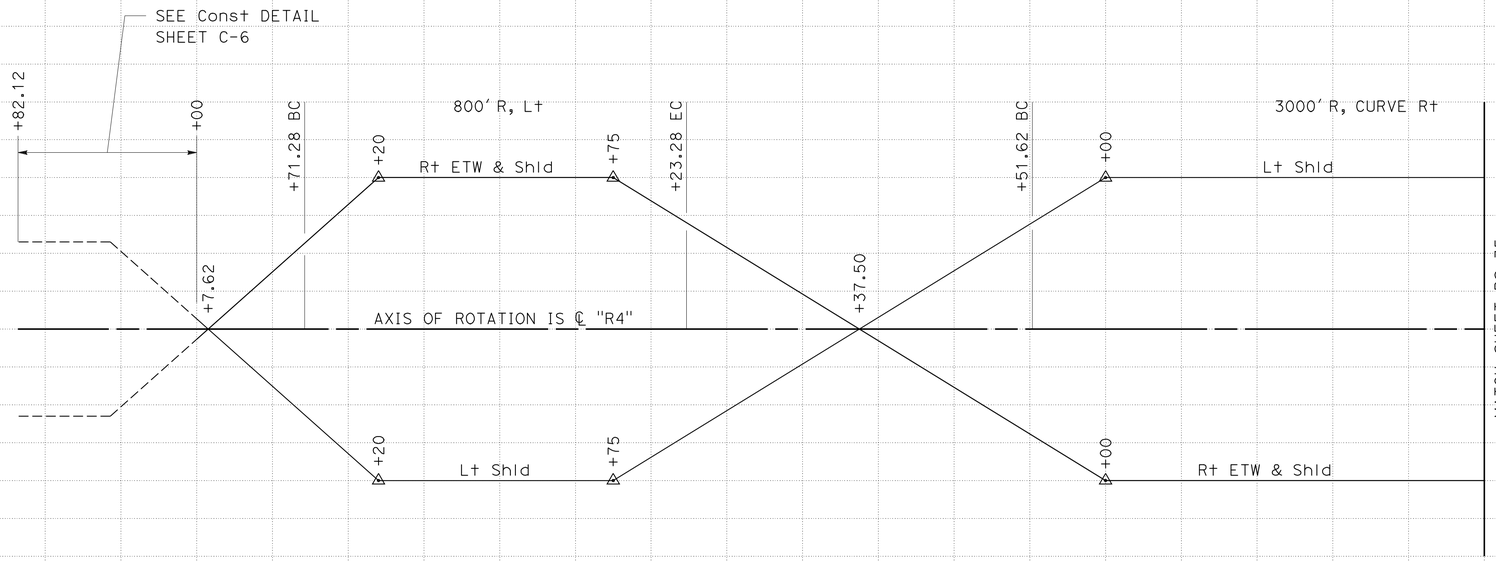
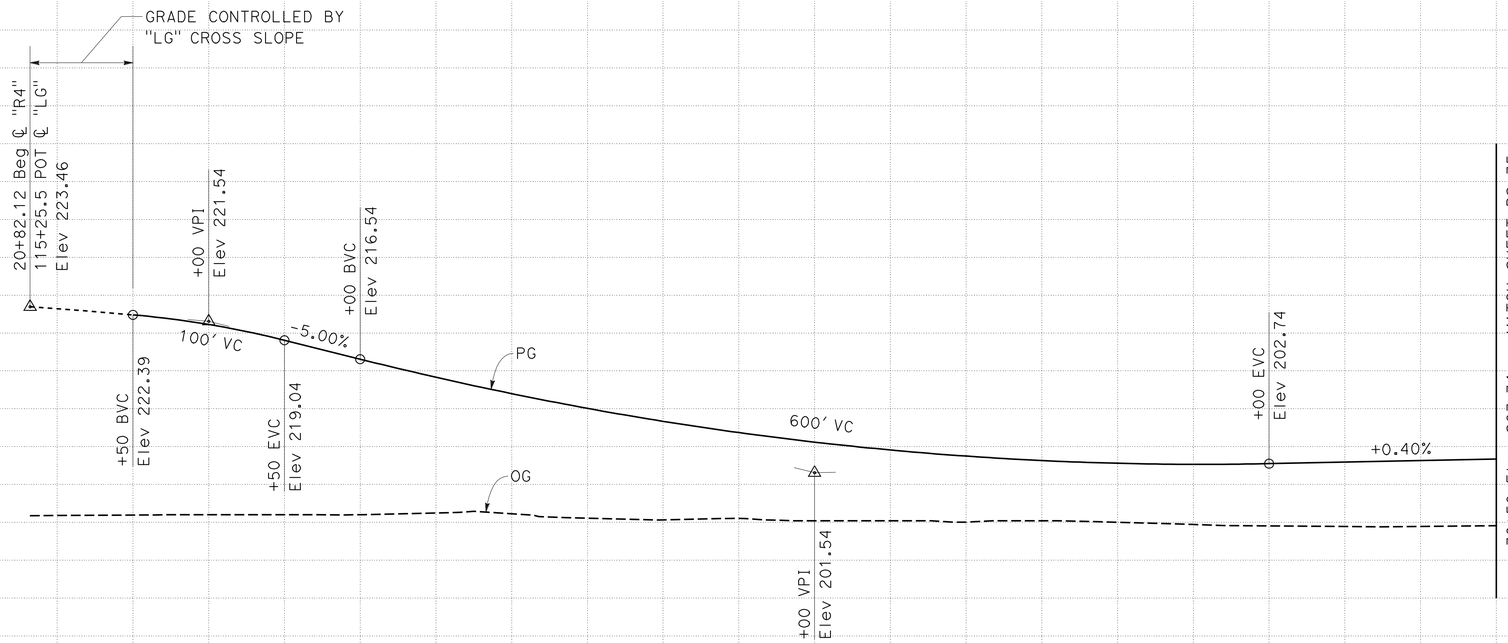


SUPERELEVATION DIAGRAM



"R4" PROFILE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=50'
Vert 1"=10'

PS-34

Station	20	1	2	3	4	25	6	7	8	9	30	1
CY Exc		8325										
CY Emb		38,765										

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: ROBERTO BANDA
CALCULATED-DESIGNED BY: GILBERTO BACA
CHECKED BY: MICAELA GARCIA
REVISED BY: AO
DATE REVISED: 03-20-09

LAST REVISION DATE PLOTTED => 11-OCT-2010
09-01-09 TIME PLOTTED => 13:20