ATTACHMENT C

DESIGN ALTERNATIVES

INDEX OF PLANS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

STATE OF CALIFORNIA

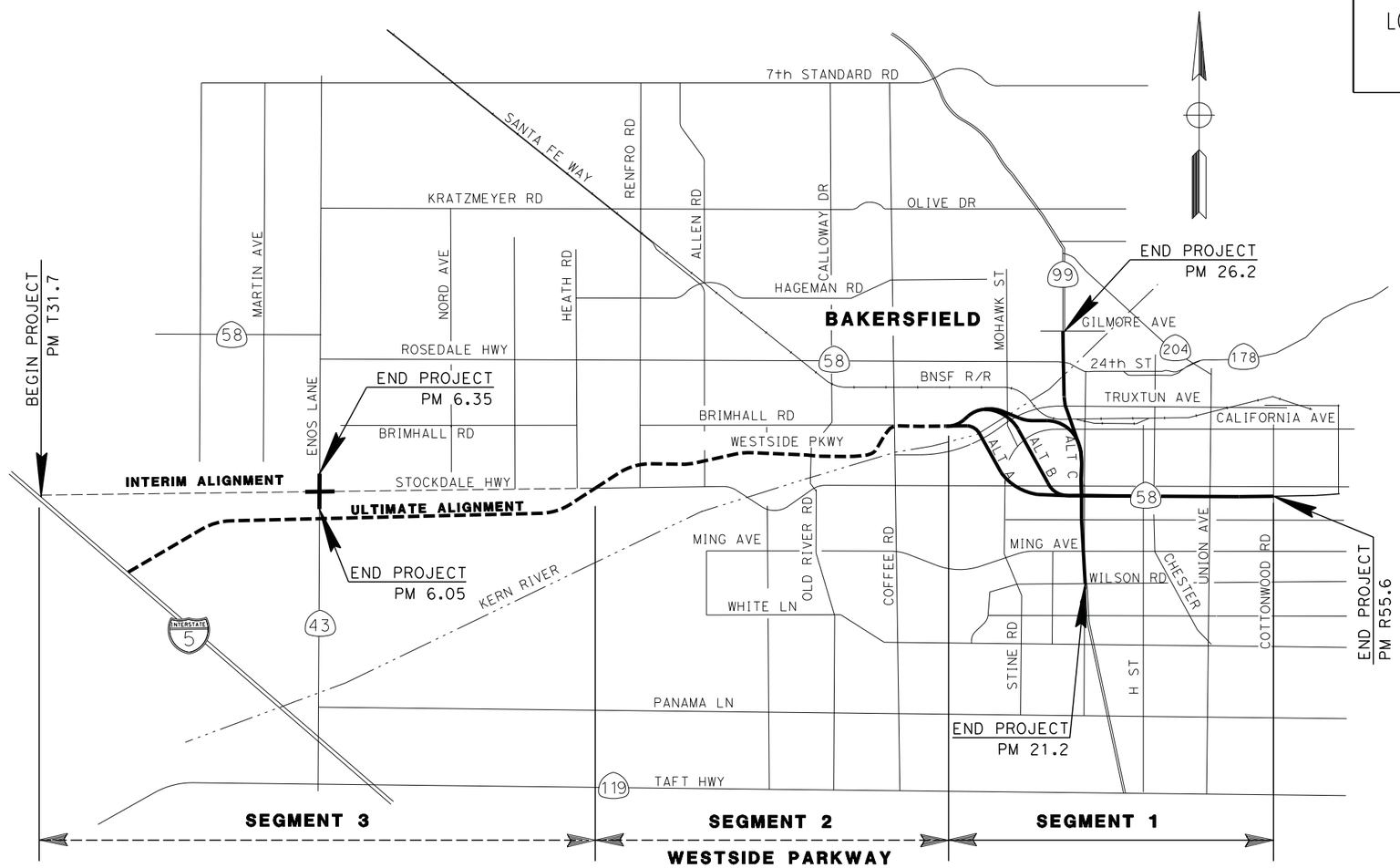
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN KERN COUNTY
IN BAKERSFIELD
ON ROUTE 58 FROM INTERSTATE 5 TO 0.2 MILES EAST OF COTTONWOOD RD UC AND ON ROUTE 99 FROM 0.9 MILES NORTH OF WILSON RD OC TO 0.1 MILES NORTH OF GILMORE AVE UC

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2010



NO SCALE

PROJECT ENGINEER DATE
REGISTERED ELECTRICAL ENGINEER

PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CONTRACT No.

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

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

CONSULTANT DESIGN ENGINEER | CALTRANS DESIGN OVERSIGHT APPROVAL | REGISTRATION No. | LICENSE Exp DATE | DATE SIGNED

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

STRUCTURAL SYSTEMS	
1 0.85′ JPCP 0.35′ LCB	SR-58 AND SR-99 TRAVELED WAY
2 0.50′ HMA (TYPE A) 0.65′ CL2-AB	RAMP TRAVELED WAY/SHOULDERS SR-58 AND SR-99 SHOULDERS LOCAL STREETS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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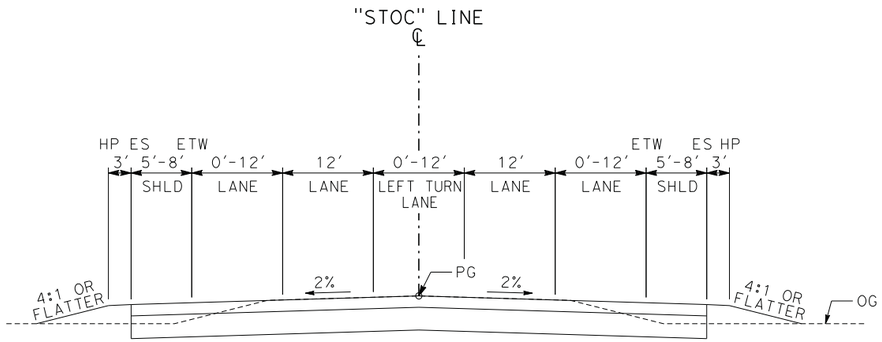
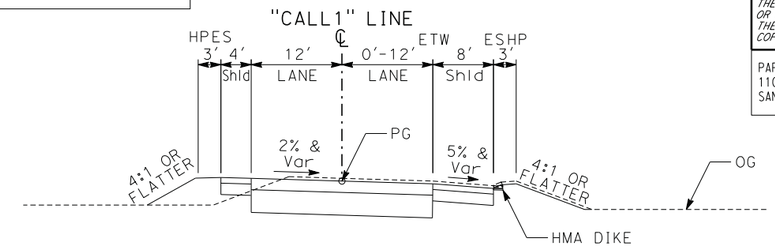
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



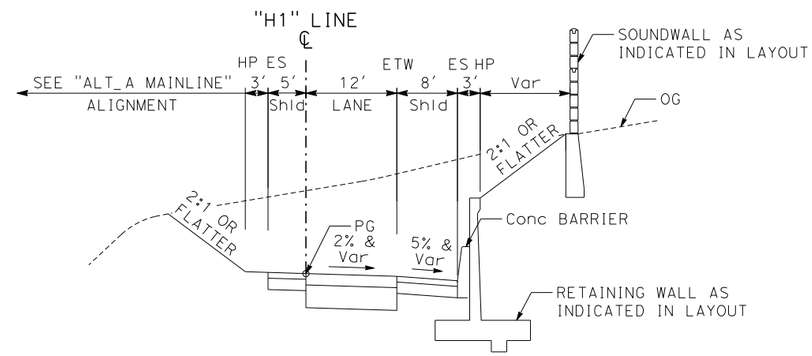
"STOC" STOCKDALE HWY

Sta 10+72 TO Sta 42+93



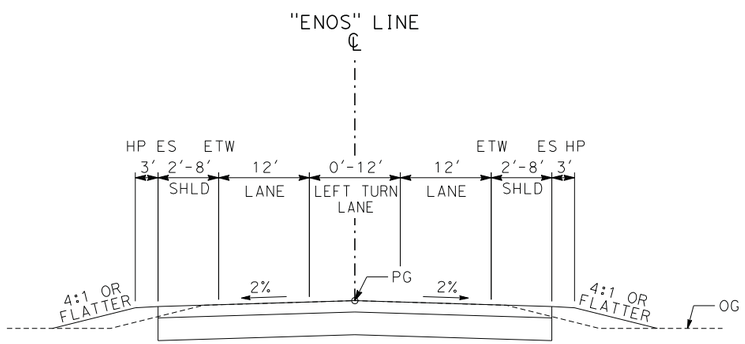
"CALL1" WB SR-58 OFF RAMP

Sta 105+55 TO Sta 114+91



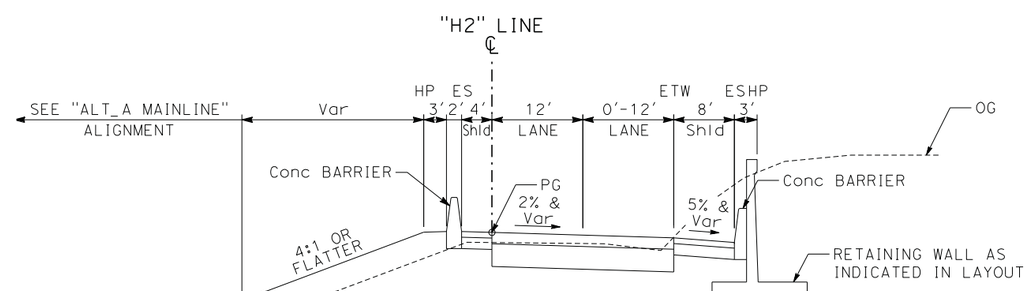
"H1" EB SR-58 OFF RAMP

Sta 91+95 TO Sta 122+73



"ENOS" ENOS LANE

Sta 10+97 TO Sta 36+53



"H2" EB SR-58 OFF RAMP

Sta 162+50 TO Sta 177+66

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

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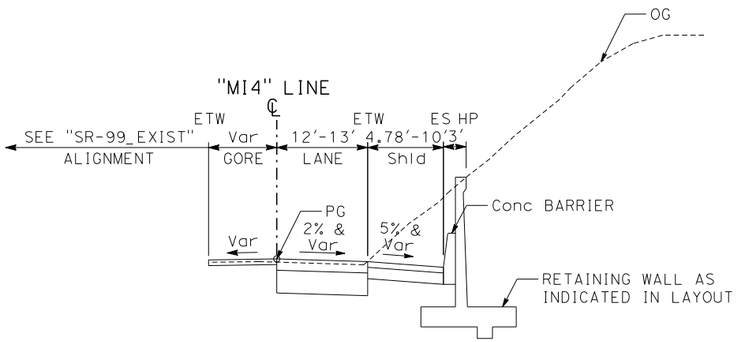
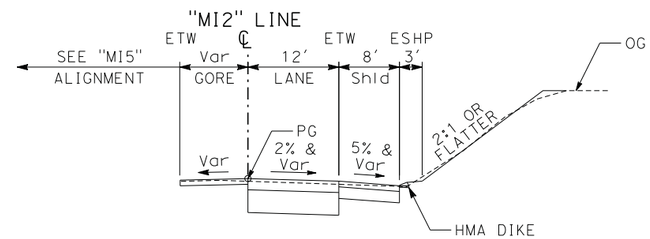
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



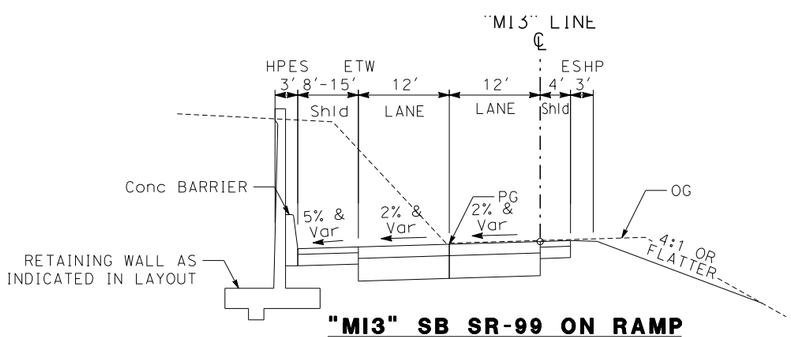
"MI4" NB SR-99 OFF RAMP

Sta 37+42 TO Sta 42+70



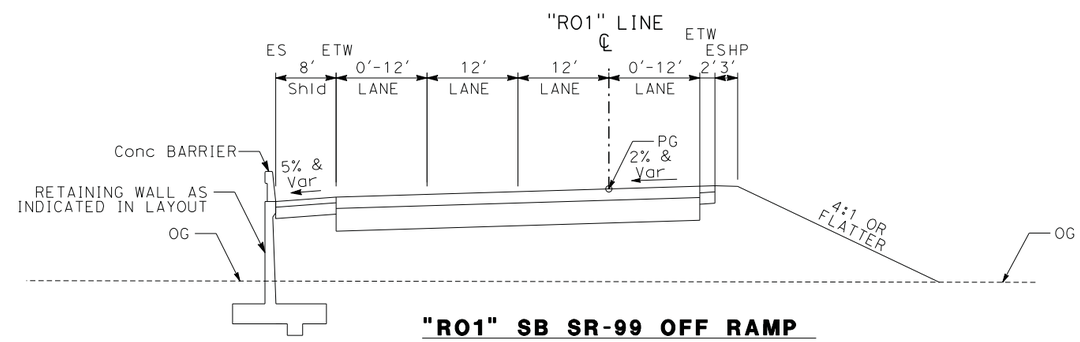
"MI2" SB SR-99 OFF RAMP

Sta 40+19 TO Sta 47+16



"MI3" SB SR-99 ON RAMP

Sta 22+00 TO Sta 32+70



"RO1" SB SR-99 OFF RAMP

Sta 100+11 TO Sta 113+49

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => x $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE EA 06-48460

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

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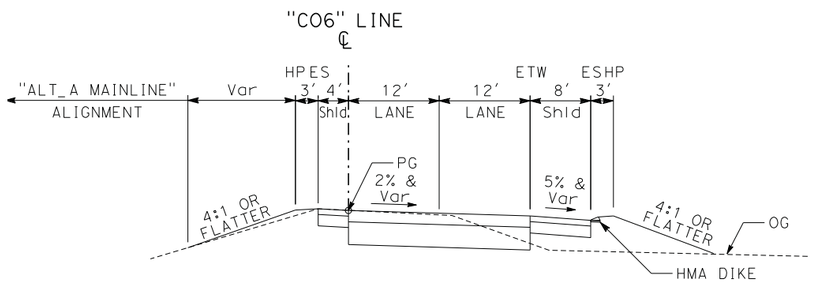
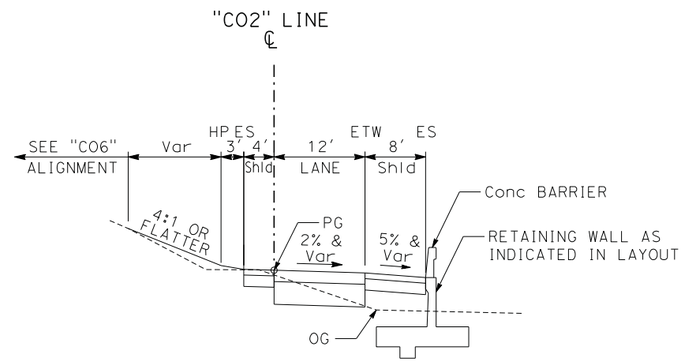
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



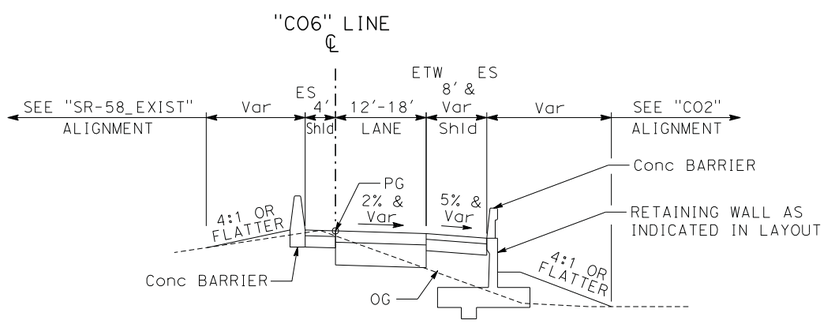
"CO6" EB SR-58 CD ON RAMP

Sta 91+75 TO Sta 145+00



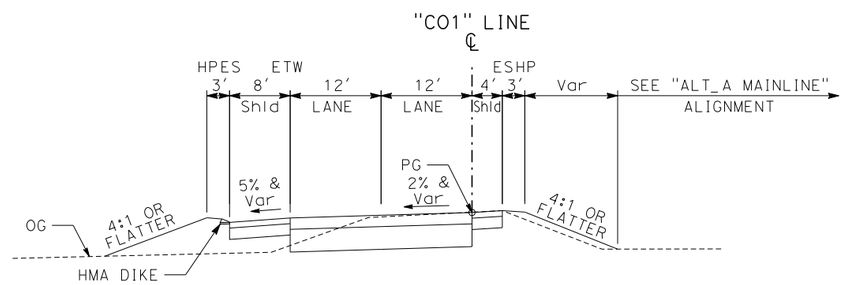
"CO2" EB SR-58 CD ON RAMP

Sta 4+58 TO Sta 17+50



"CO6" EB SR-58 CD ON RAMP

Sta 69+21 TO Sta 91+75



"CO1" WB SR-58 OFF RAMP

Sta 195+00 TO Sta 245+00

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-3

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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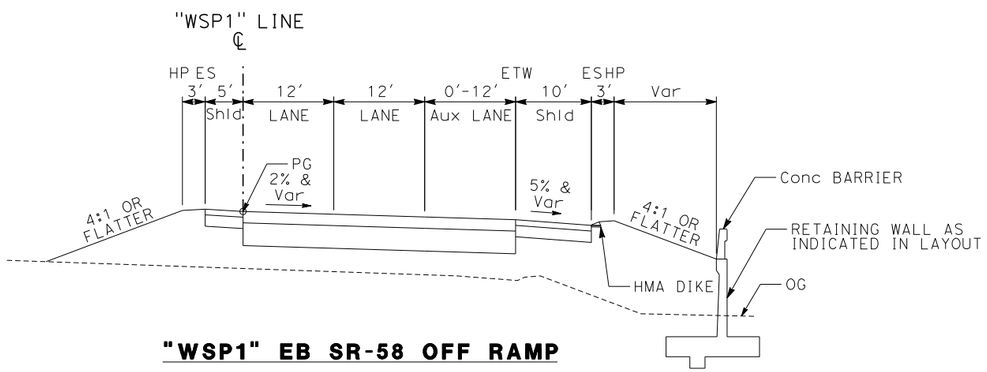
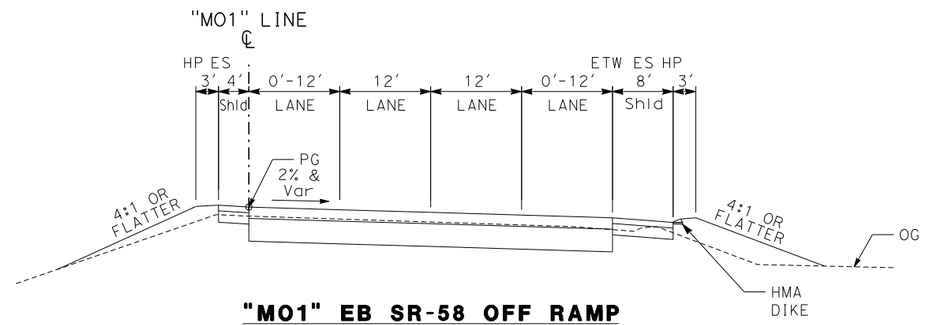
BAKERSFIELD, CALIFORNIA 93301



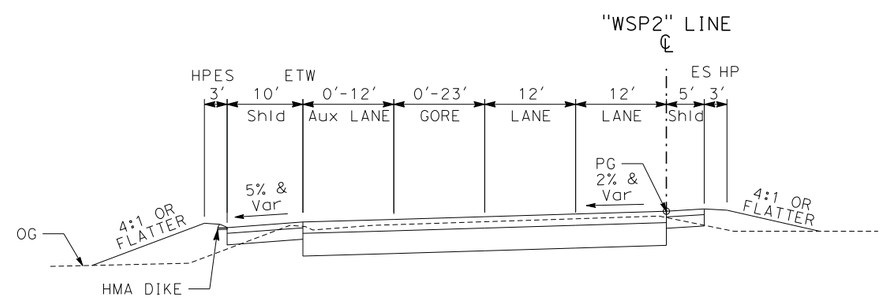
"WSP1" EB SR-58 OFF RAMP

Sta 18+01 TO Sta 49+85



"MO1" EB SR-58 OFF RAMP

Sta 42+00 TO Sta 57+95



"WSP2" WB SR-58 ON RAMP

Sta 13+03 TO Sta 46+76

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-4

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

NOTES:

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

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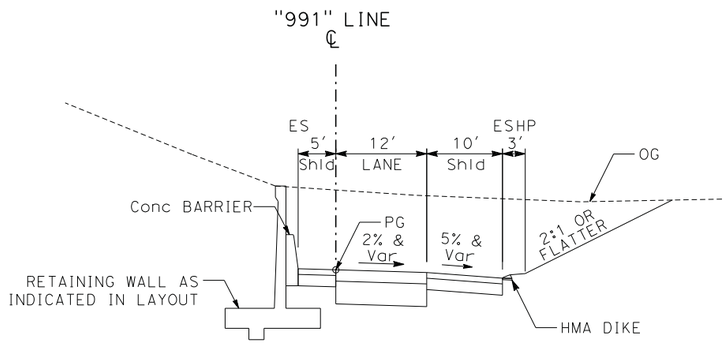
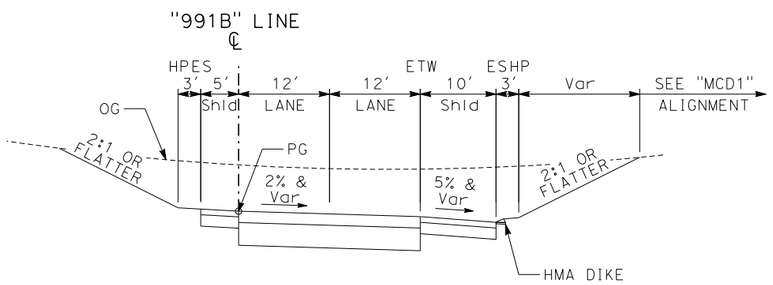


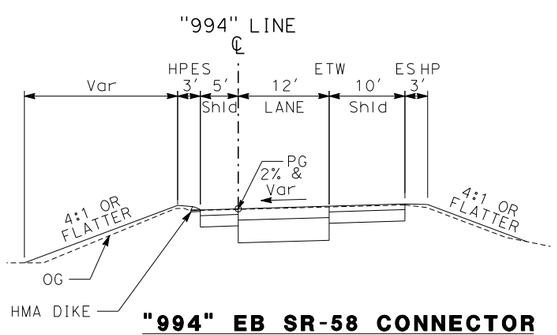
"991" SB SR-99 CONNECTOR

Sta 631+63 TO Sta 667+19



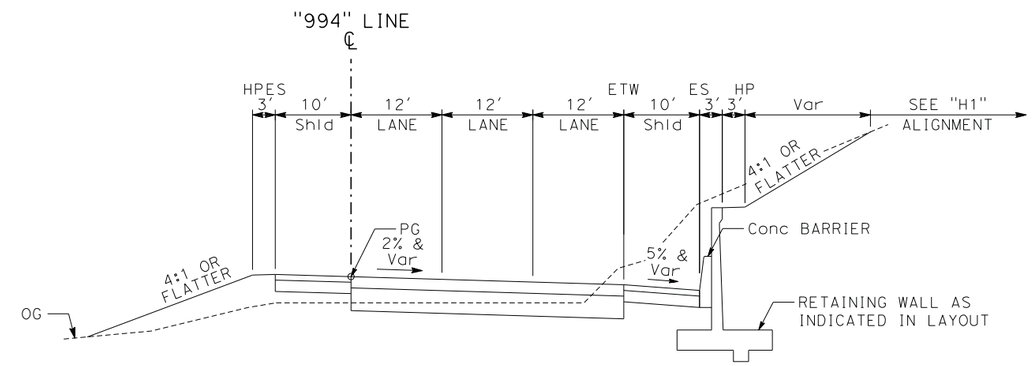
"991B" SB SR-99 CONNECTOR

Sta 69+00 TO Sta 117+74



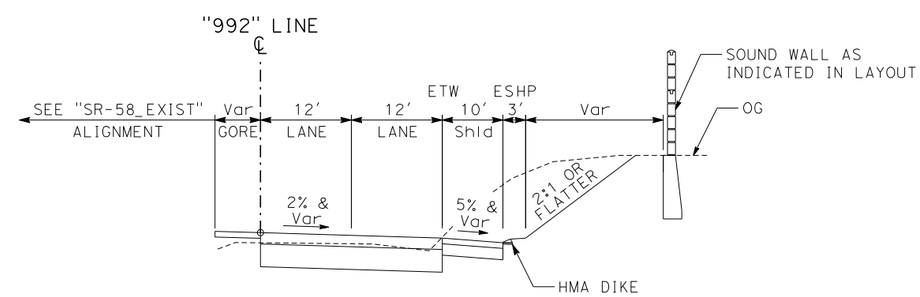
"994" EB SR-58 CONNECTOR

Sta 88+46 TO Sta 100+32



"994" EB SR-58 CONNECTOR

Sta 100+32 TO Sta 117+74



"992" NB SR-99 CONNECTOR

Sta 43+00 TO Sta 48+14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-5

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

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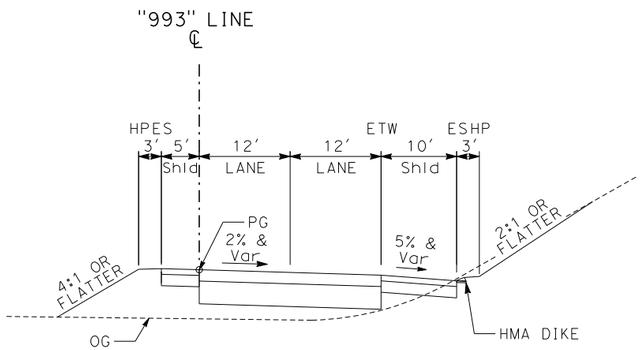
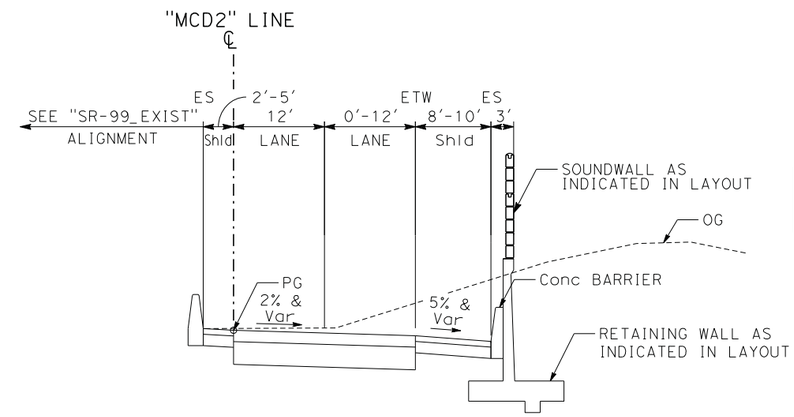
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



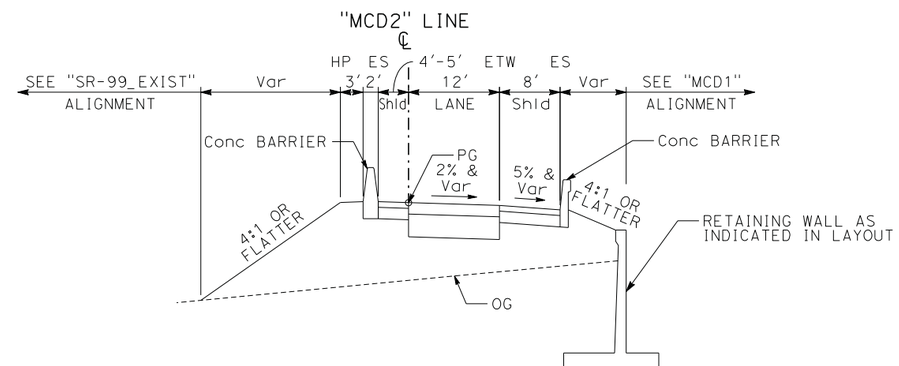
"993" WB SR-58 CONNECTOR

Sta 69+00 TO Sta 94+92



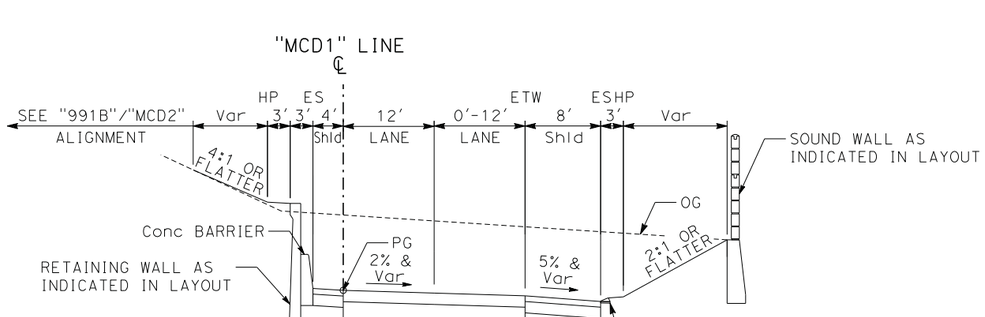
"MCD2" SB SR-99 OFF RAMP

Sta 26+34 TO Sta 49+89



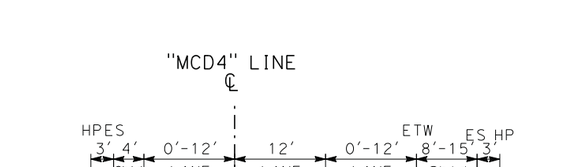
"MCD2" SB SR-99 OFF RAMP

Sta 0+00 TO Sta 26+34



"MCD1" EB SR-58 OFF RAMP

Sta 5+00 TO Sta 32+32



"MCD4" NB SR-99 CD ON RAMP

Sta 0+00 TO Sta 26+52

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-6

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => × $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

NOTES:

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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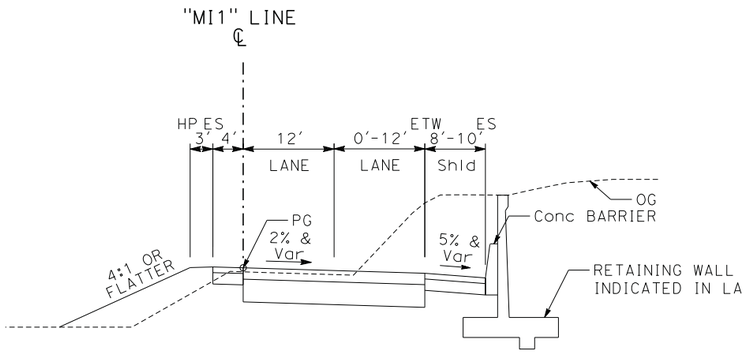
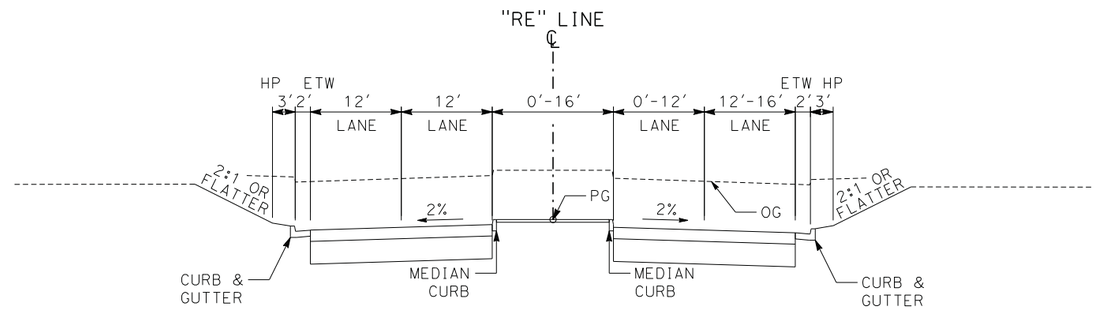
BAKERSFIELD, CALIFORNIA 93301



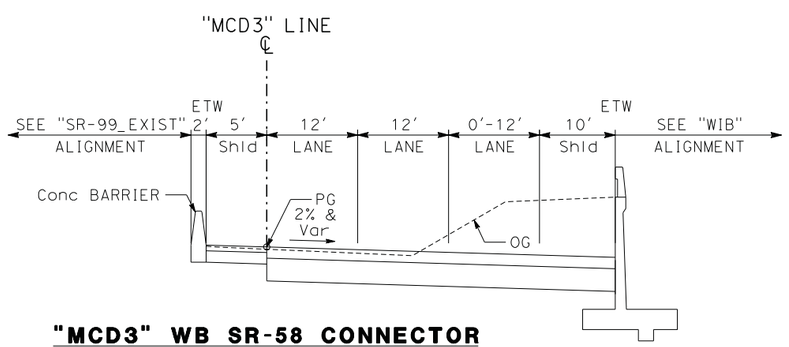
"MI1" EB SR-58 CD ON RAMP

Sta 35+69 TO Sta 51+00



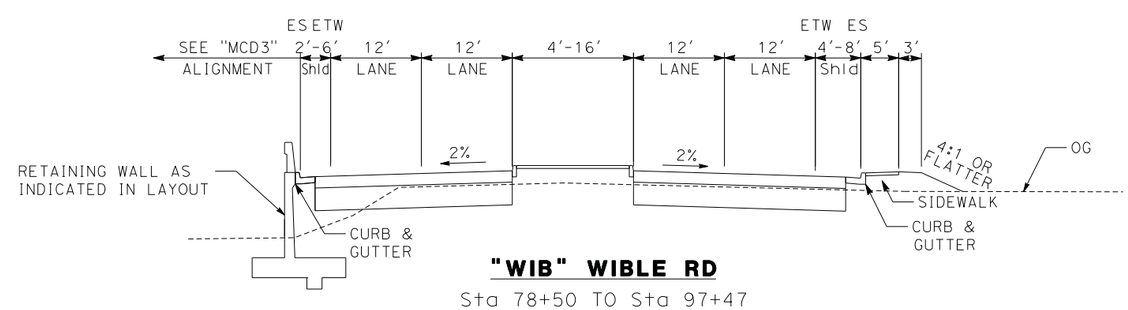
"RE" REAL RD

Sta 5+49 TO Sta 74+05



"MCD3" WB SR-58 CONNECTOR

Sta 0+00 TO Sta 61+35



"WIB" WIBLE RD

Sta 78+50 TO Sta 97+47

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-7

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CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => x $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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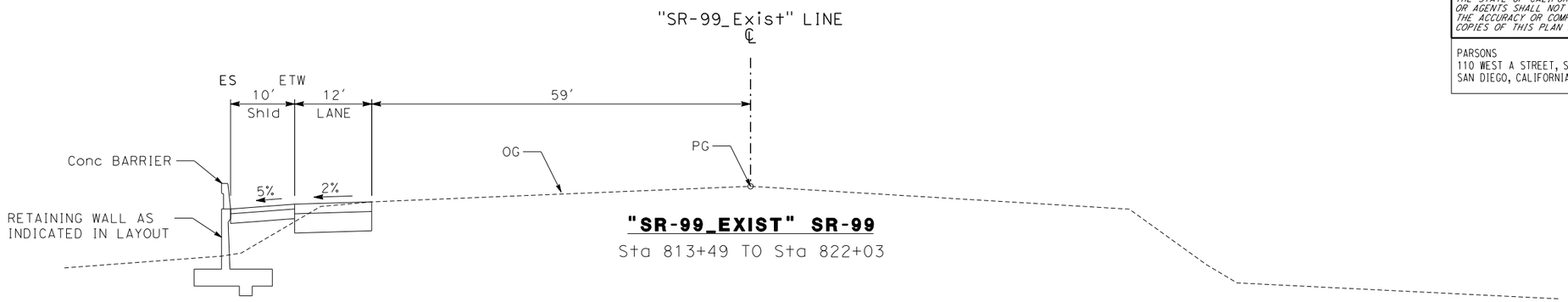
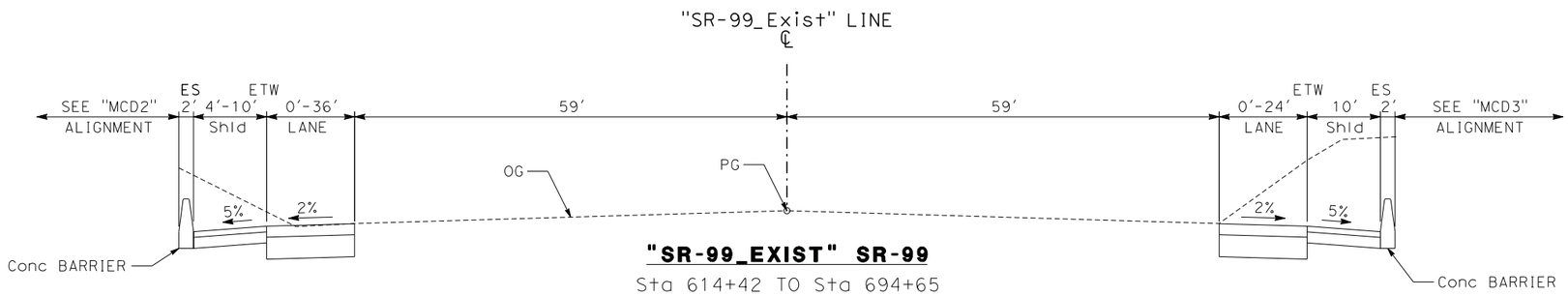
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



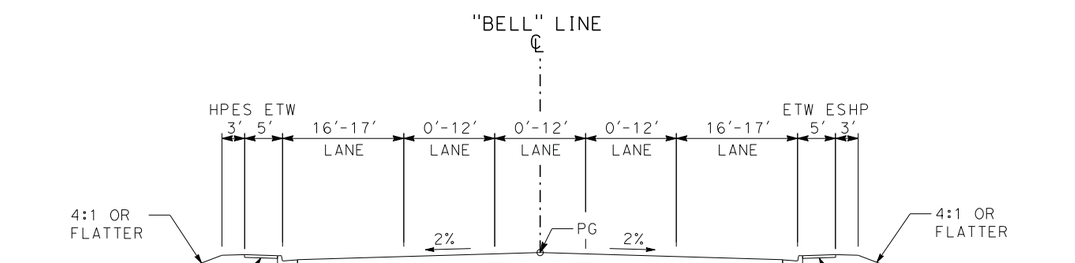
"SR-99_EXIST" SR-99

Sta 813+49 TO Sta 822+03



"SR-99_EXIST" SR-99

Sta 614+42 TO Sta 694+65



"BELL" BELLE TERRACE

Sta 14+86 TO Sta 24+05

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-8

REVISED BY | DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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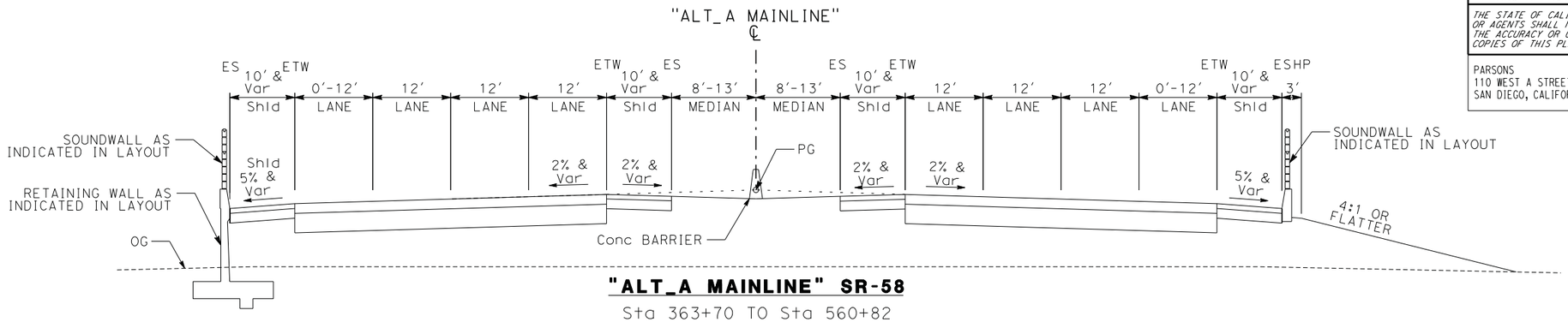
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

NOTES:

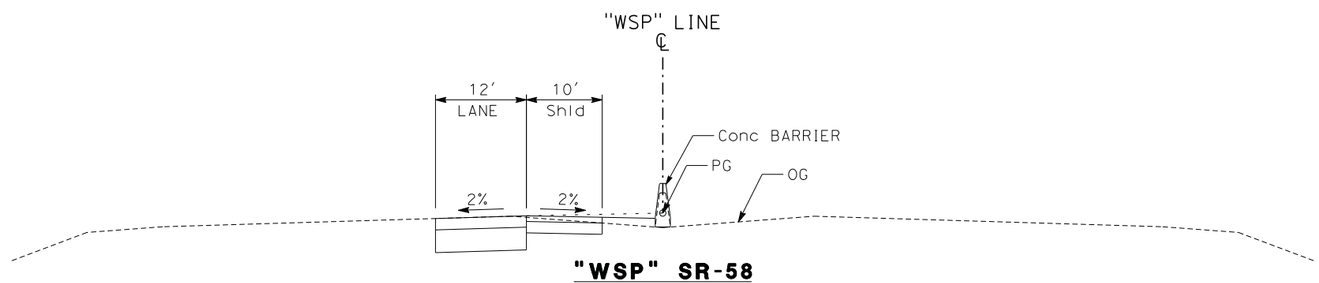
1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.



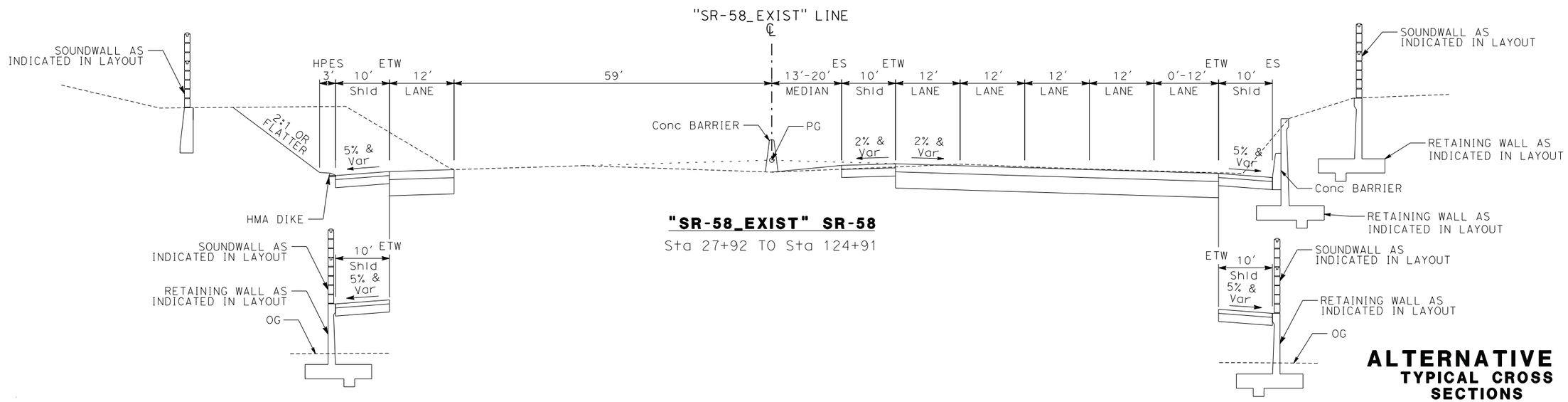
"ALT_A MAINLINE" SR-58

Sta 363+70 TO Sta 560+82



"WSP" SR-58

Sta 288+30 TO Sta 363+70



"SR-58_EXIST" SR-58

Sta 27+92 TO Sta 124+91

ALTERNATIVE A
TYPICAL CROSS SECTIONS

NO SCALE

X-9

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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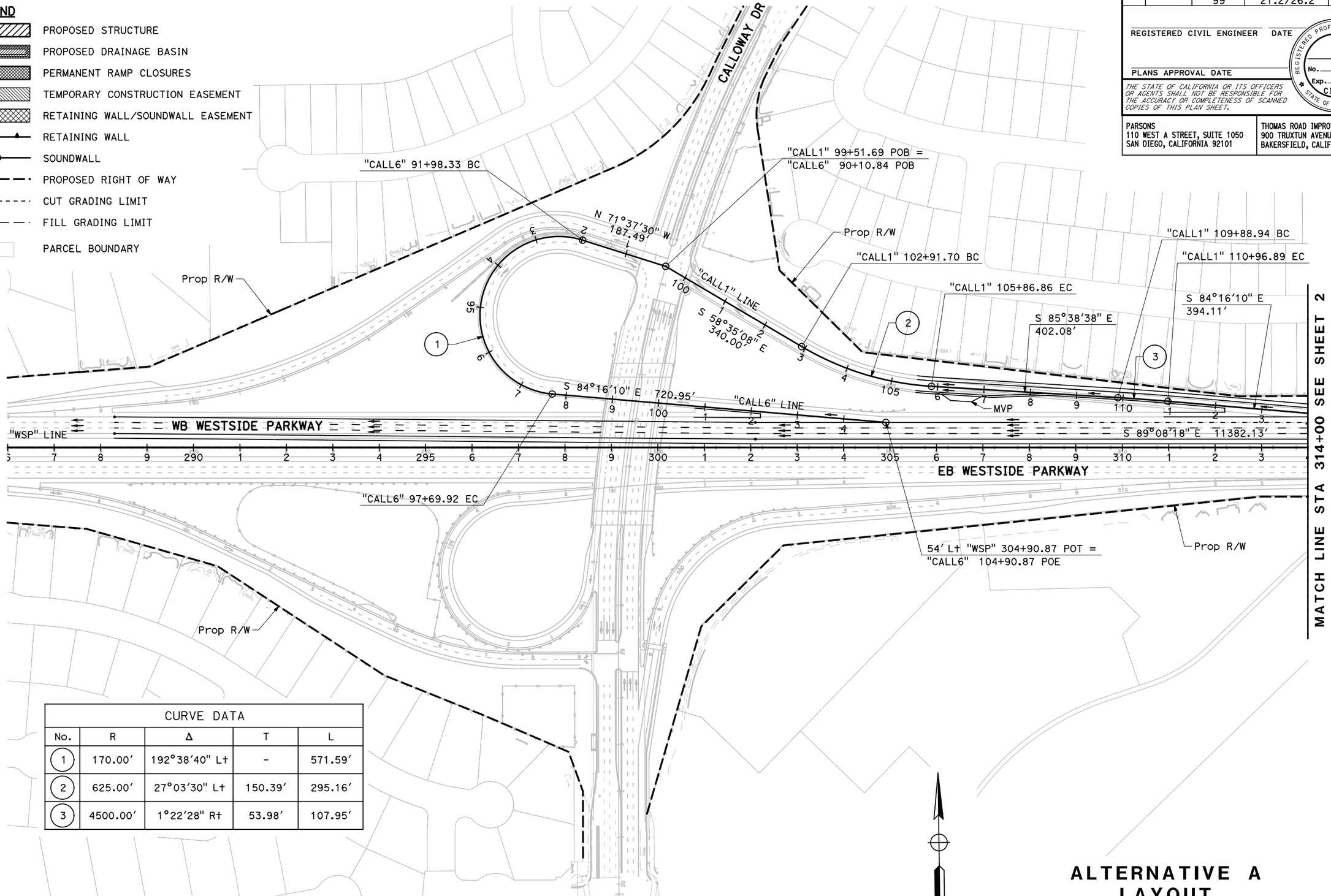
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

LEGEND

- PROPOSED STRUCTURE
- PROPOSED DRAINAGE BASIN
- PERMANENT RAMP CLOSURES
- TEMPORARY CONSTRUCTION EASEMENT
- RETAINING WALL/SOUNDWALL EASEMENT
- RETAINING WALL
- SOUNDWALL
- PROPOSED RIGHT OF WAY
- CUT GRADING LIMIT
- FILL GRADING LIMIT
- PARCEL BOUNDARY



CURVE DATA				
No.	R	Δ	T	L
1	170.00′	192°38′40" Lt	-	571.59′
2	625.00′	27°03′30" Lt	150.39′	295.16′
3	4500.00′	1°22′28" Rt	53.98′	107.95′

ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-1

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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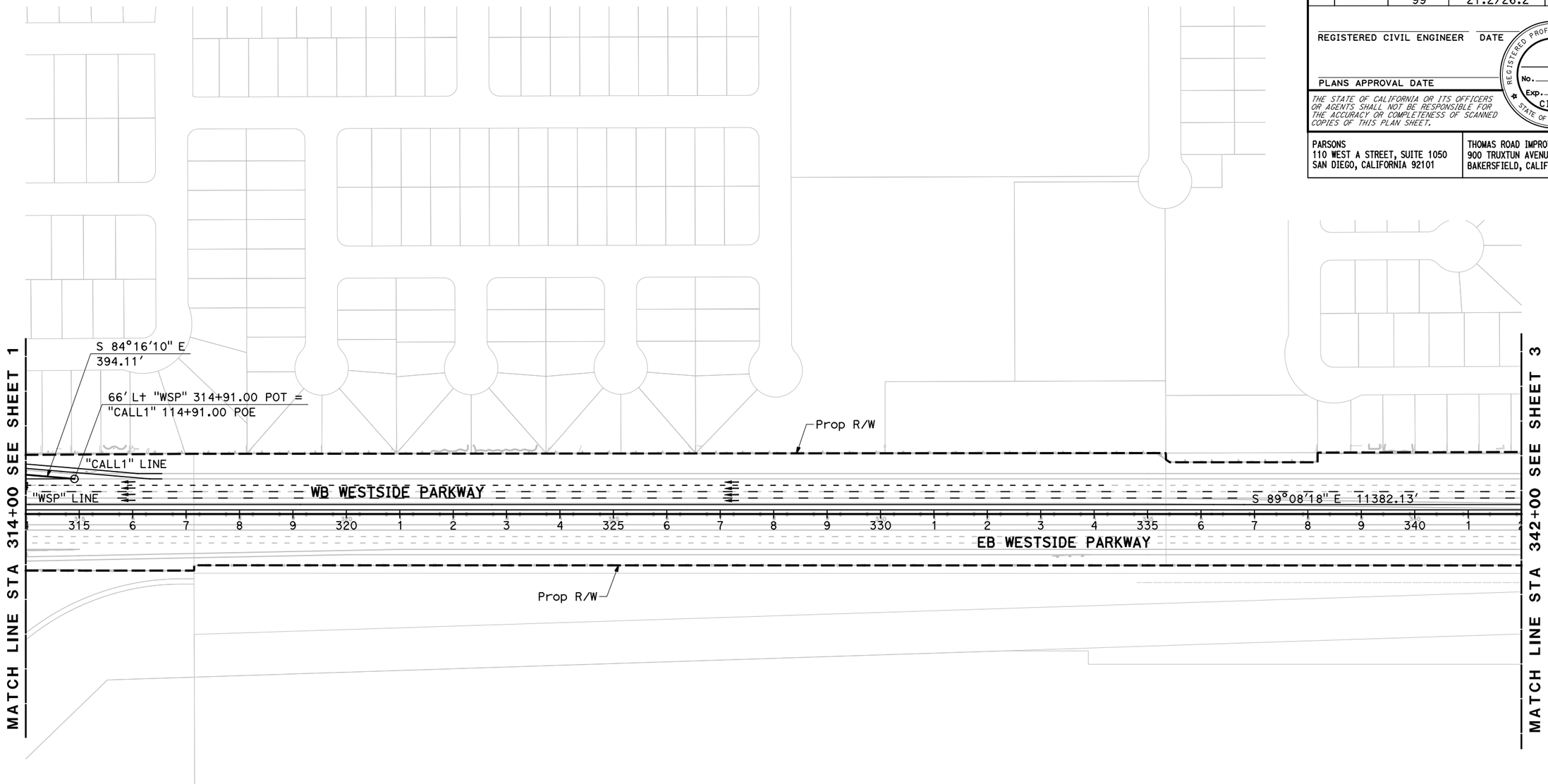
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-2

REVISED BY | DATE REVISED

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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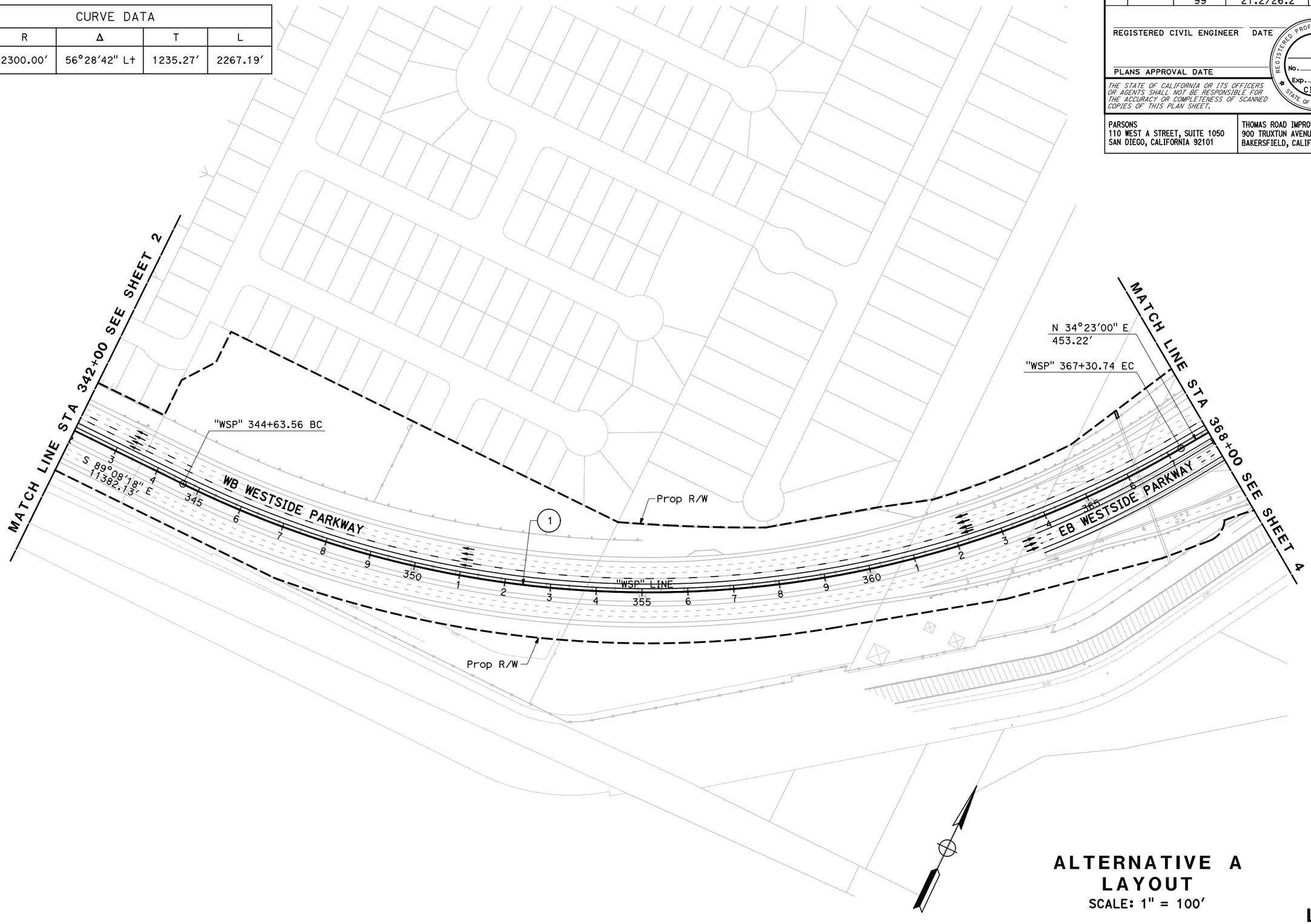
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	2300.00′	56°28′42″ Lt	1235.27′	2267.19′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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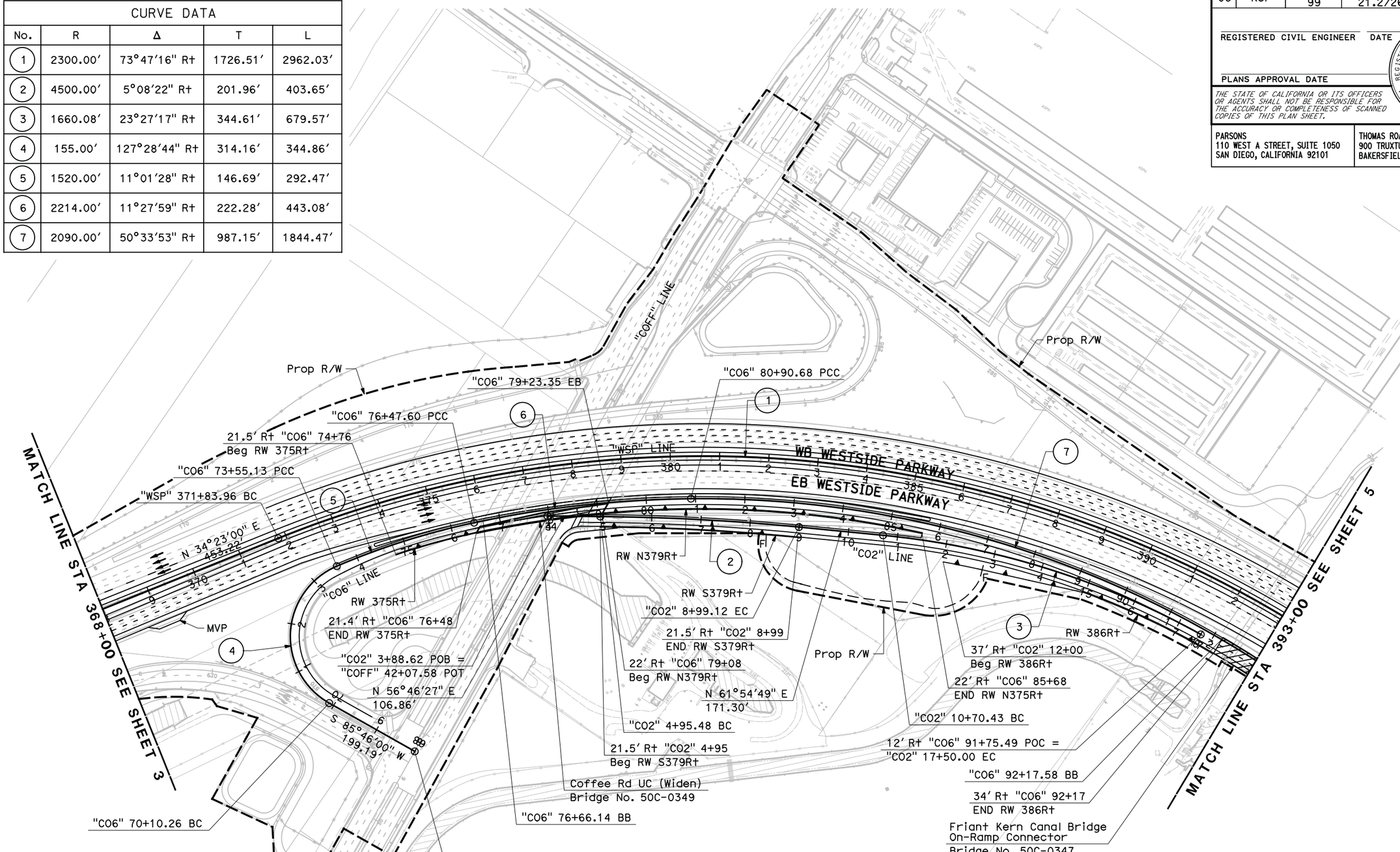
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	2300.00′	73°47′16" R†	1726.51′	2962.03′
2	4500.00′	5°08′22" R†	201.96′	403.65′
3	1660.08′	23°27′17" R†	344.61′	679.57′
4	155.00′	127°28′44" R†	314.16′	344.86′
5	1520.00′	11°01′28" R†	146.69′	292.47′
6	2214.00′	11°27′59" R†	222.28′	443.08′
7	2090.00′	50°33′53" R†	987.15′	1844.47′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15 DATE PLOTTED => $DATE TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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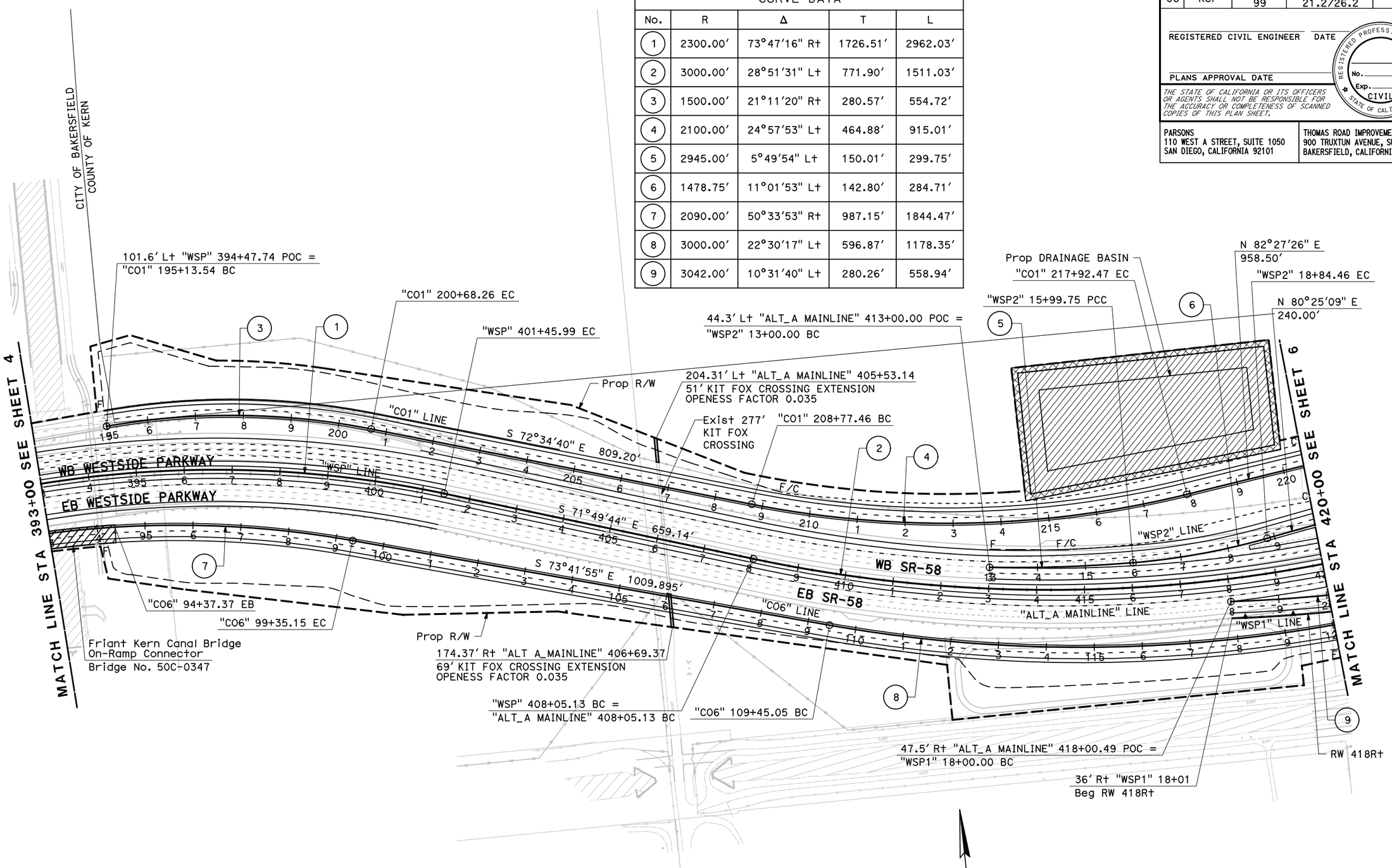
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	2300.00′	73°47′16" R+	1726.51′	2962.03′
2	3000.00′	28°51′31" L+	771.90′	1511.03′
3	1500.00′	21°11′20" R+	280.57′	554.72′
4	2100.00′	24°57′53" L+	464.88′	915.01′
5	2945.00′	5°49′54" L+	150.01′	299.75′
6	1478.75′	11°01′53" L+	142.80′	284.71′
7	2090.00′	50°33′53" R+	987.15′	1844.47′
8	3000.00′	22°30′17" L+	596.87′	1178.35′
9	3042.00′	10°31′40" L+	280.26′	558.94′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-5

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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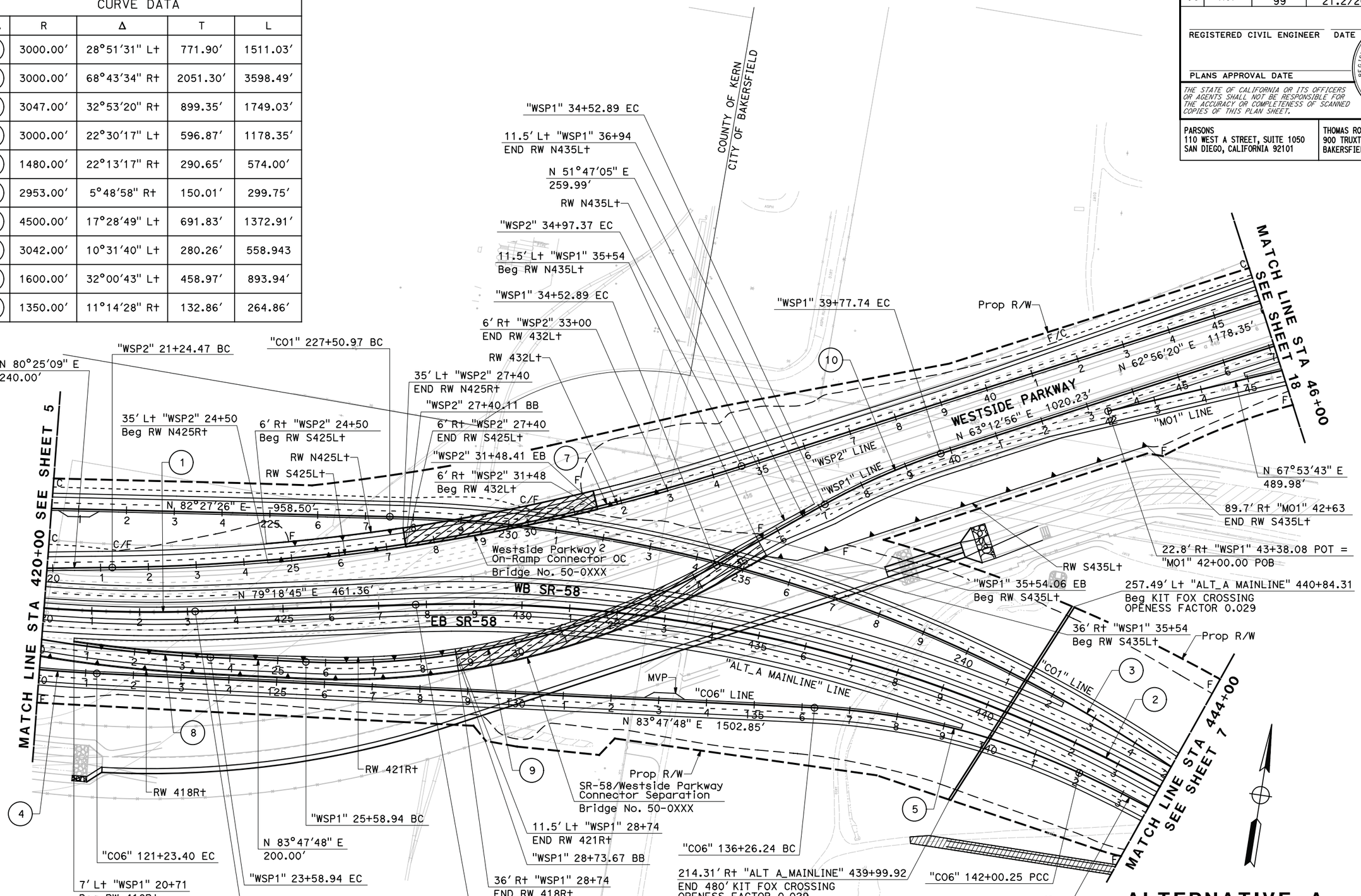
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	3000.00′	28°51′31" L+	771.90′	1511.03′
2	3000.00′	68°43′34" R+	2051.30′	3598.49′
3	3047.00′	32°53′20" R+	899.35′	1749.03′
4	3000.00′	22°30′17" L+	596.87′	1178.35′
5	1480.00′	22°13′17" R+	290.65′	574.00′
6	2953.00′	5°48′58" R+	150.01′	299.75′
7	4500.00′	17°28′49" L+	691.83′	1372.91′
8	3042.00′	10°31′40" L+	280.26′	558.943
9	1600.00′	32°00′43" L+	458.97′	893.94′
10	1350.00′	11°14′28" R+	132.86′	264.86′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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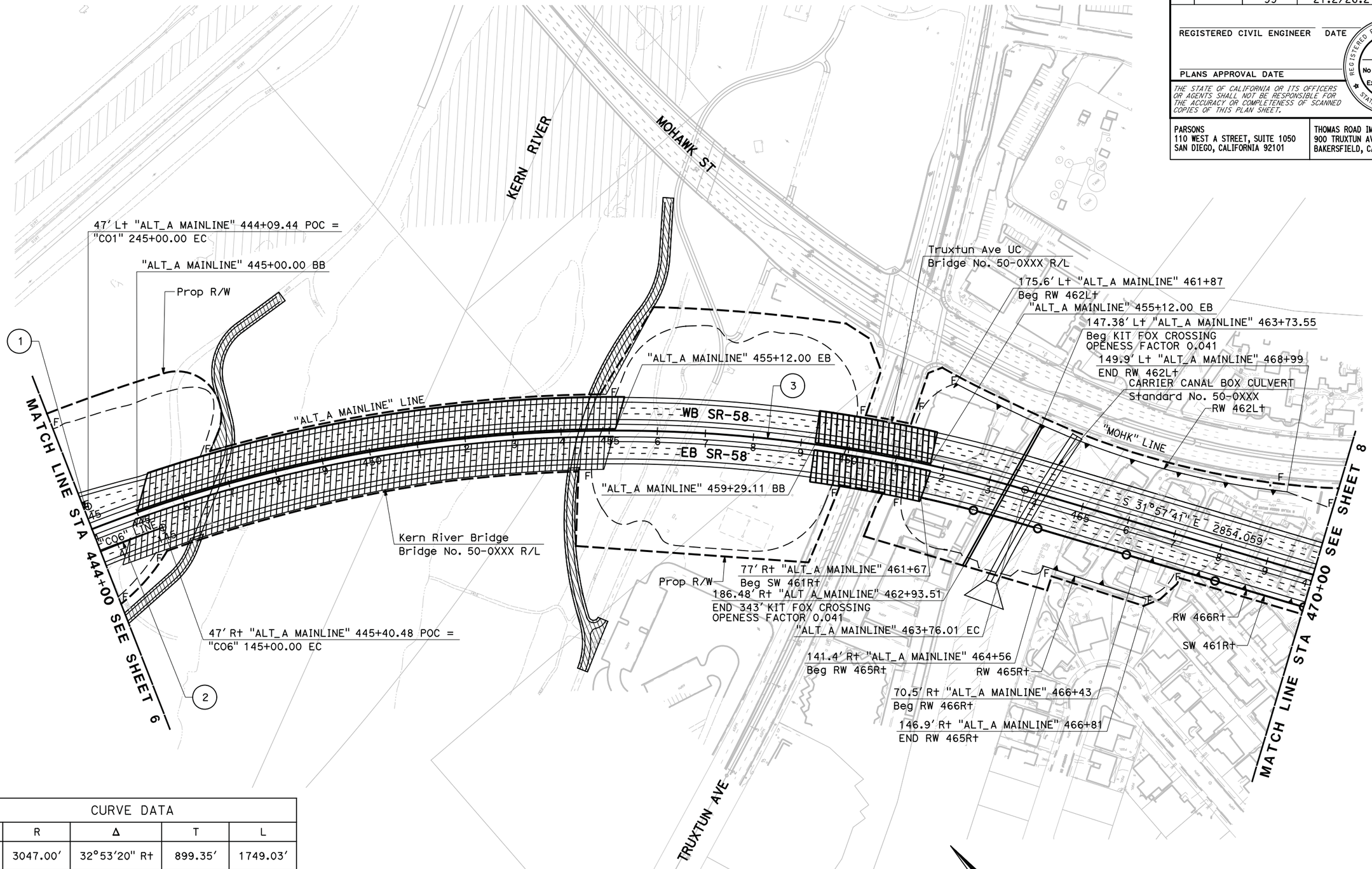
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	3047.00'	32°53'20" Rt	899.35'	1749.03'
2	2953.00'	5°48'58" Rt	150.01'	299.75'
3	3000.00'	68°43'34" Rt	2051.30'	3598.49'

ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-7

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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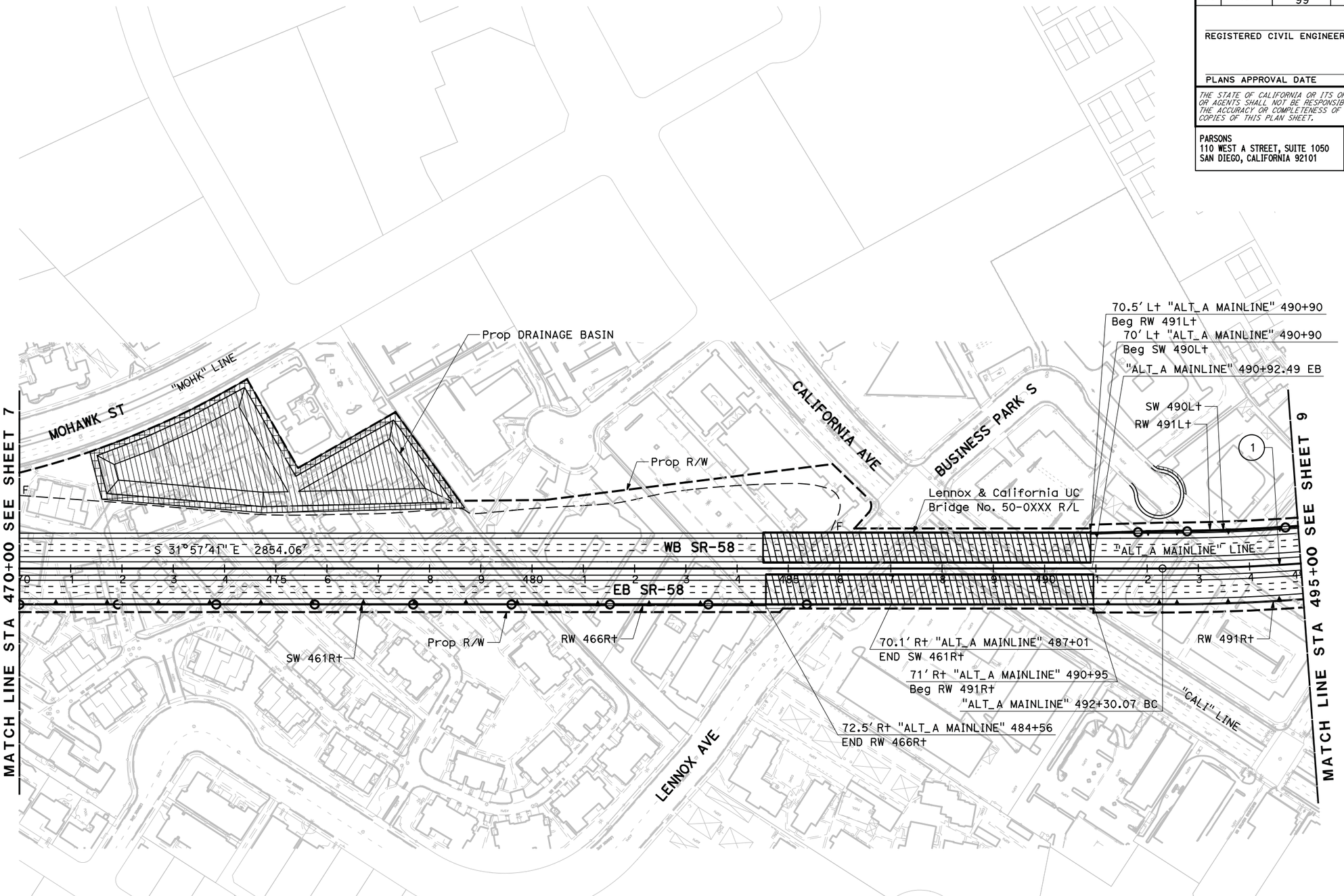
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	3700.00'	57°00'35" Lt	2009.35'	3681.53'

ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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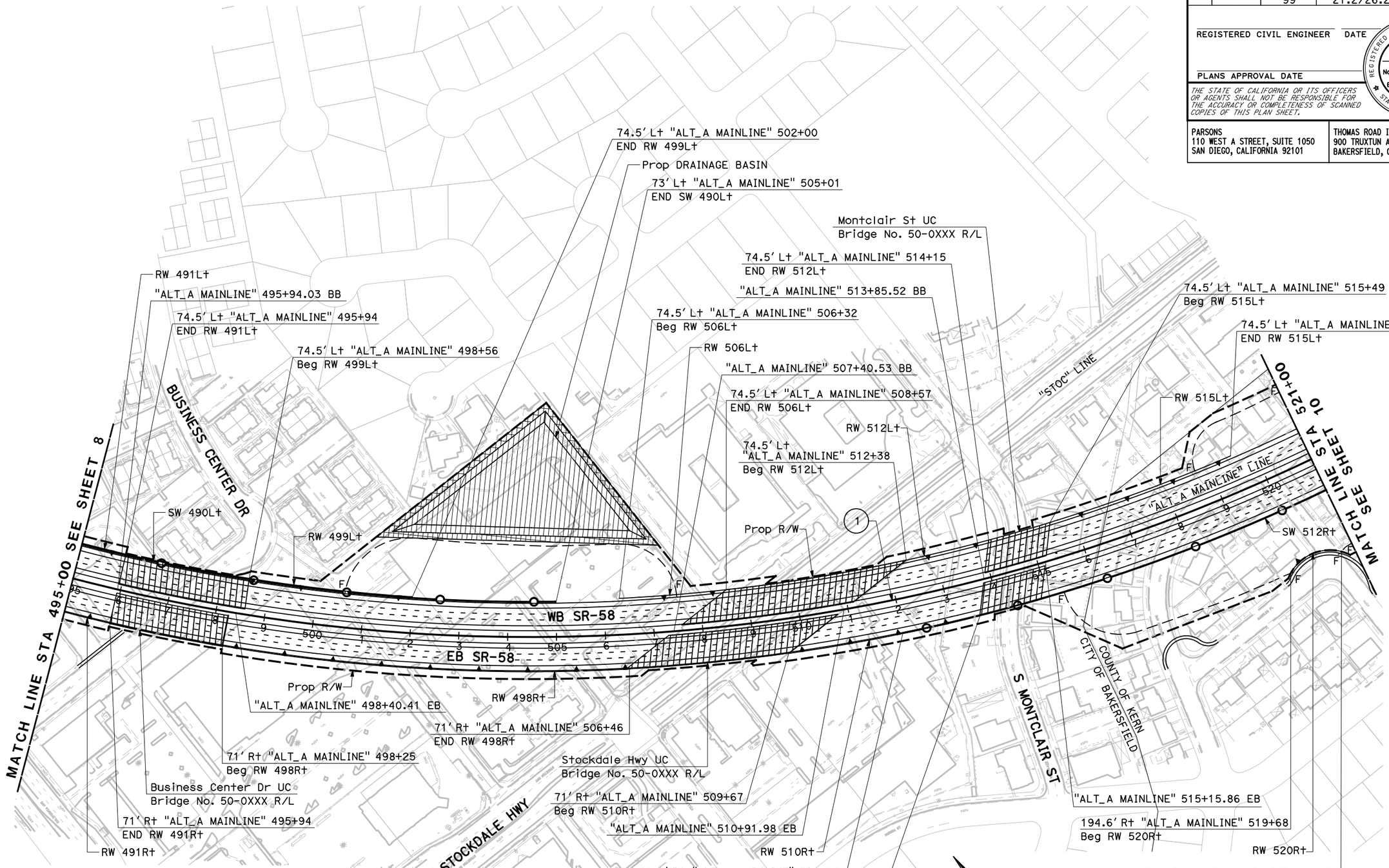
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	3700.00'	57°00'35" Lt	2009.35'	3681.53'

ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-9

REVISED BY	DATE REVISED

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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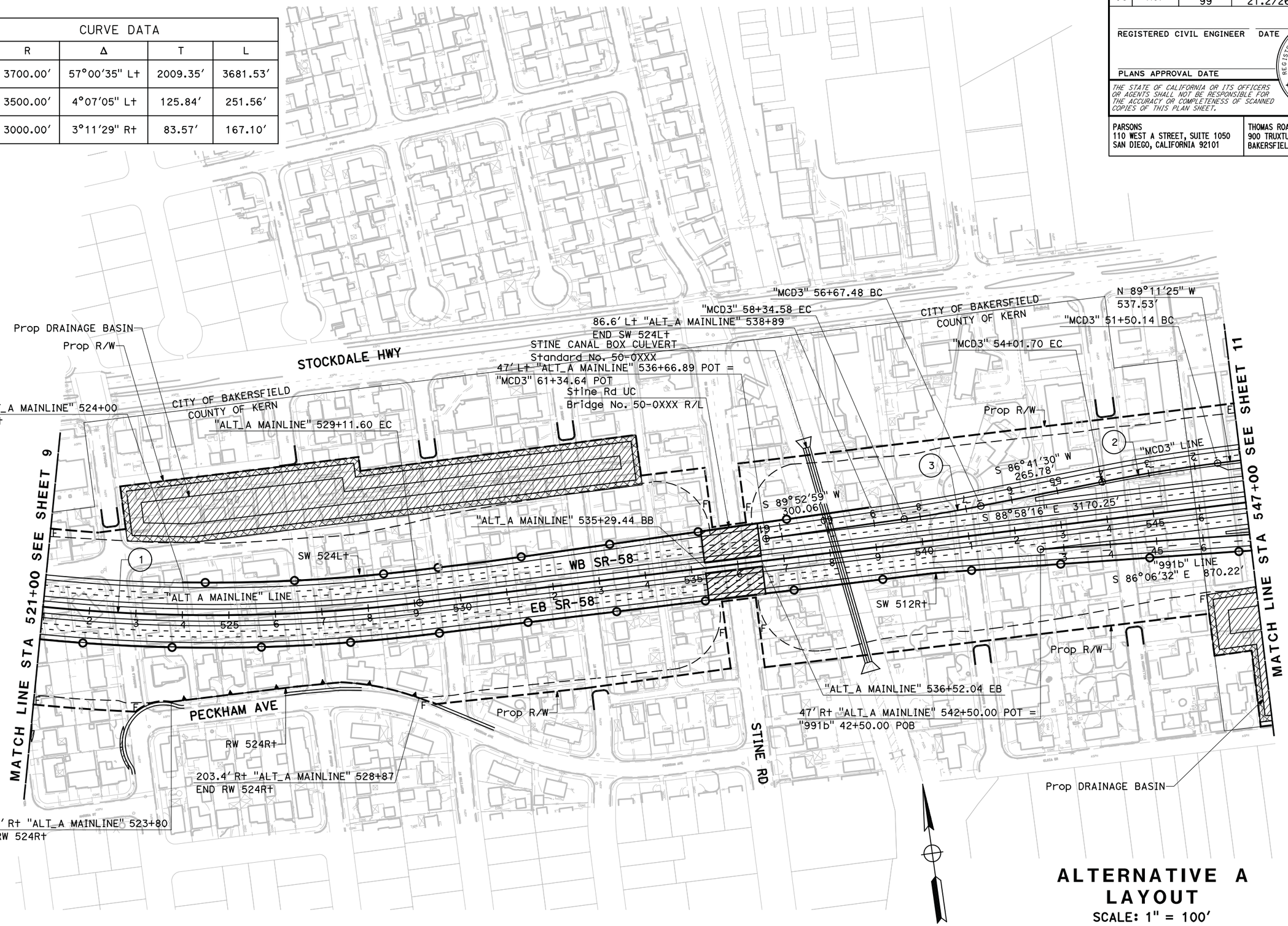
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	3700.00′	57°00′35" Lt	2009.35′	3681.53′
2	3500.00′	4°07′05" Lt	125.84′	251.56′
3	3000.00′	3°11′29" Rt	83.57′	167.10′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-10

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

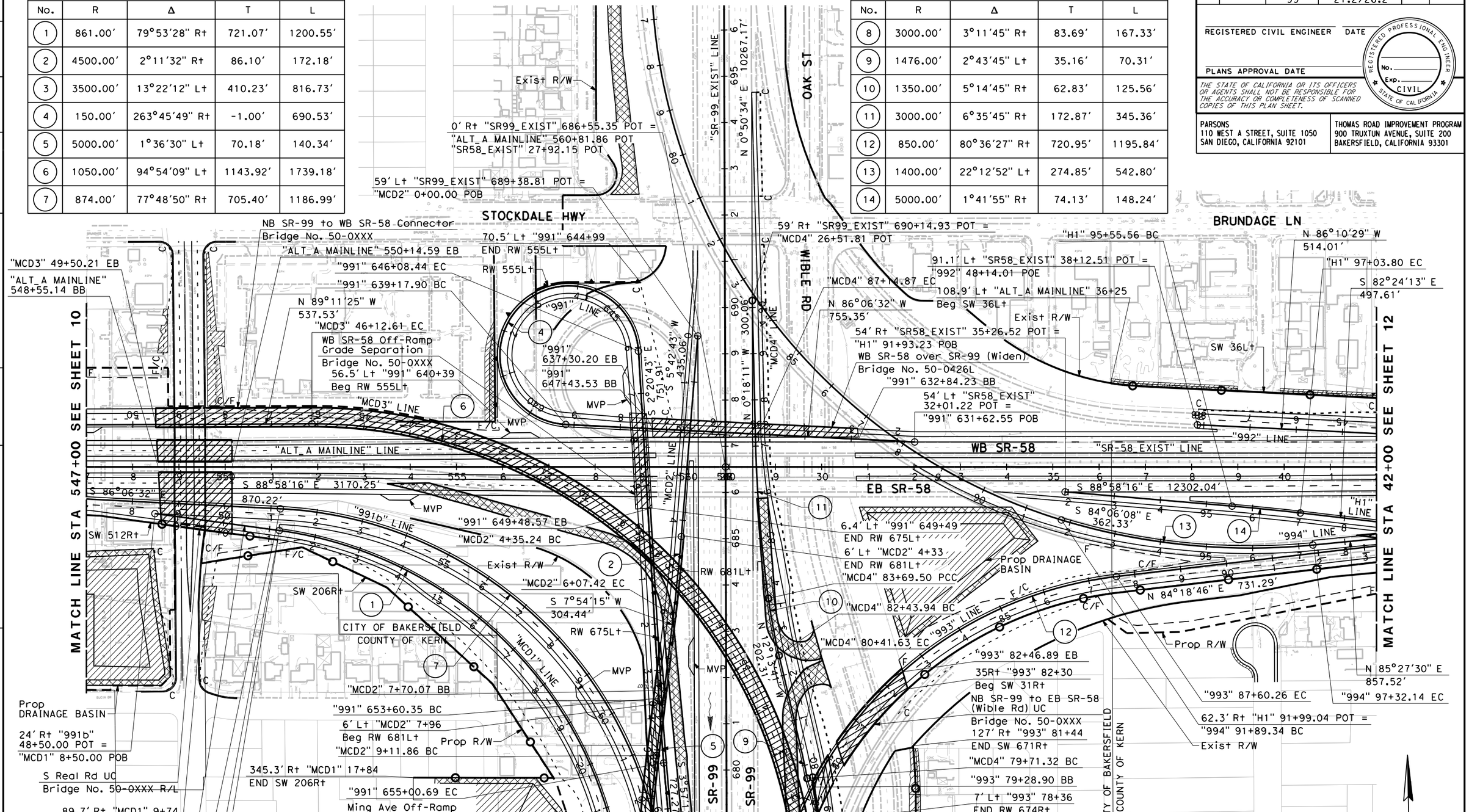
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	861.00′	79°53′28" R+	721.07′	1200.55′
2	4500.00′	2°11′32" R+	86.10′	172.18′
3	3500.00′	13°22′12" L+	410.23′	816.73′
4	150.00′	263°45′49" R+	-1.00′	690.53′
5	5000.00′	1°36′30" L+	70.18′	140.34′
6	1050.00′	94°54′09" L+	1143.92′	1739.18′
7	874.00′	77°48′50" R+	705.40′	1186.99′

CURVE DATA

No.	R	Δ	T	L
8	3000.00′	3°11′45" R+	83.69′	167.33′
9	1476.00′	2°43′45" L+	35.16′	70.31′
10	1350.00′	5°14′45" R+	62.83′	125.56′
11	3000.00′	6°35′45" R+	172.87′	345.36′
12	850.00′	80°36′27" R+	720.95′	1195.84′
13	1400.00′	22°12′52" L+	274.85′	542.80′
14	5000.00′	1°41′55" R+	74.13′	148.24′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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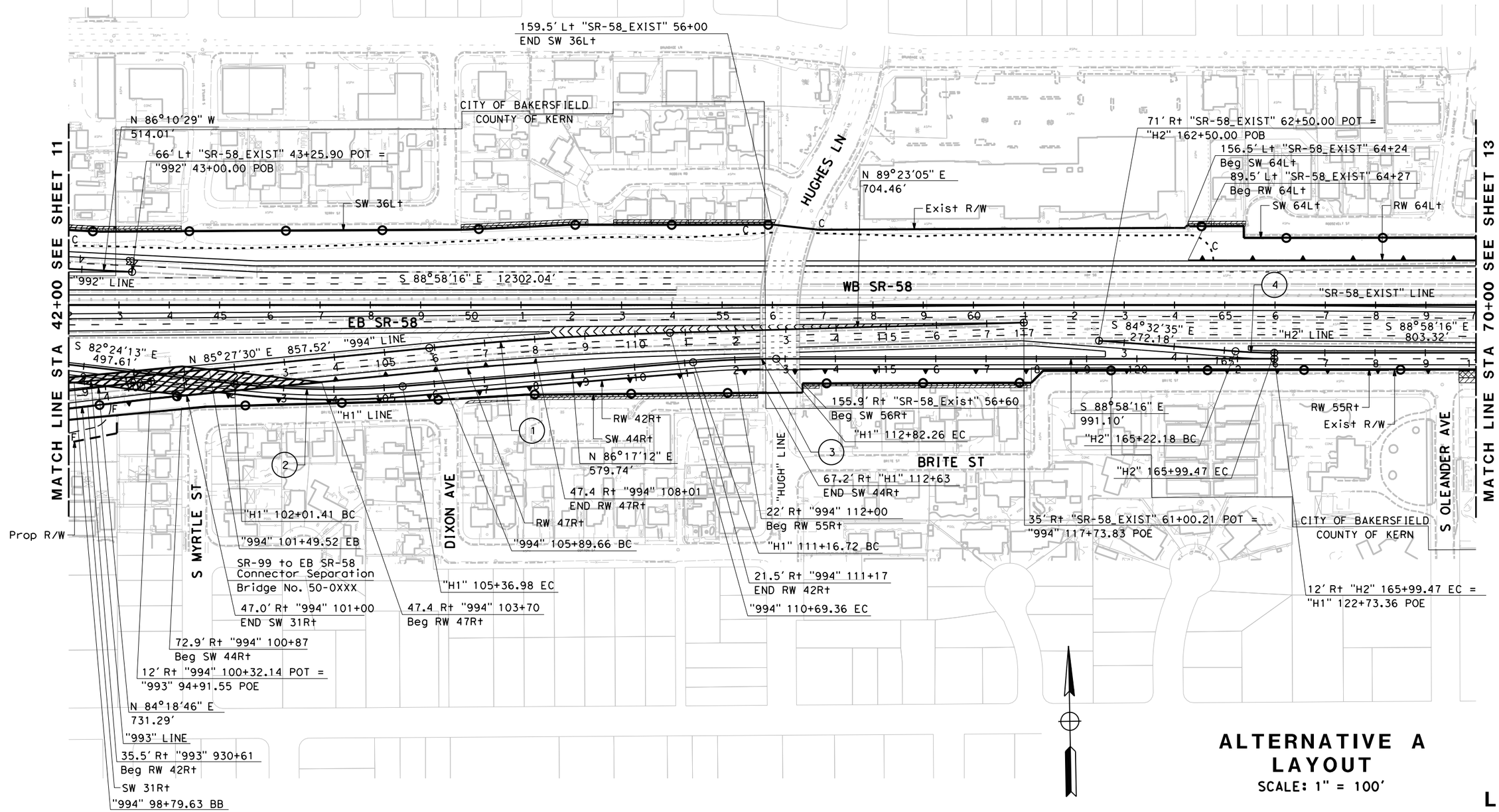
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	7000.00′	3°55′35" Rt	239.95′	479.70′
2	1700.00′	11°18′36" Lt	168.33′	335.57′
3	2000.00′	4°44′32" Rt	82.82′	165.54′
4	1000.00′	4°25′42" Lt	38.66′	77.29′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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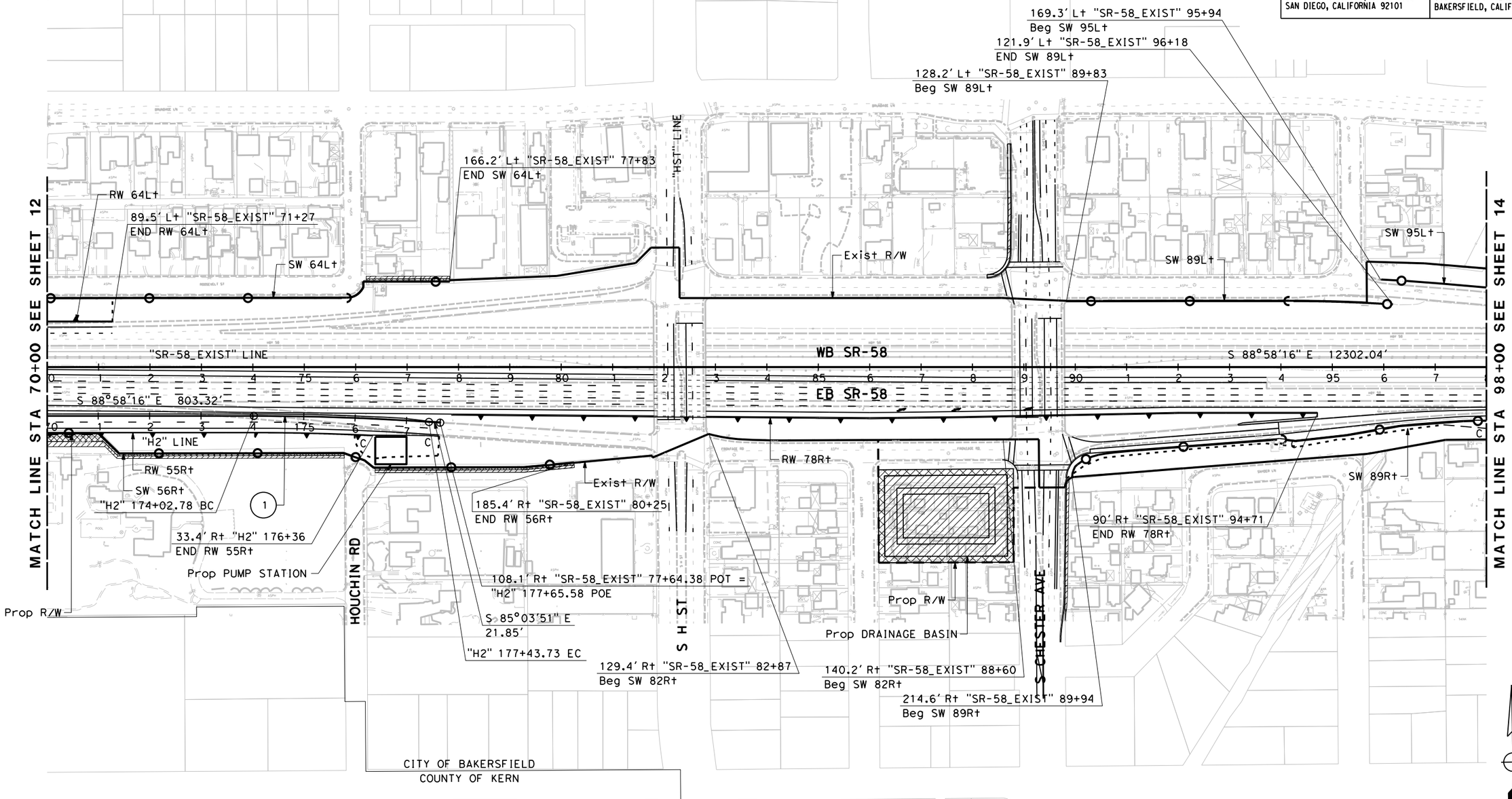
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	5000.00′	3°54′25″ Rt	170.54′	340.94′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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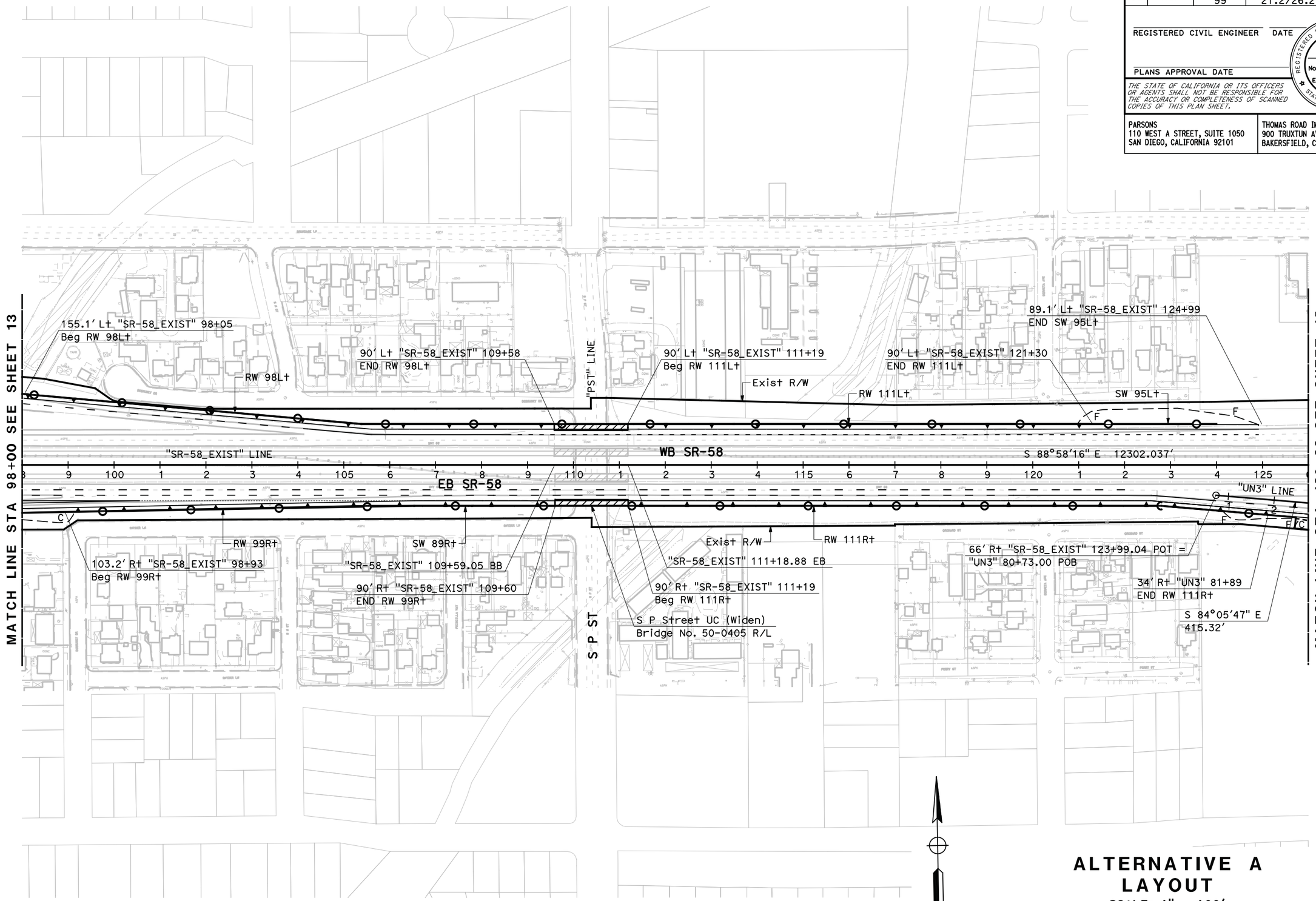
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-14

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Caltrans

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
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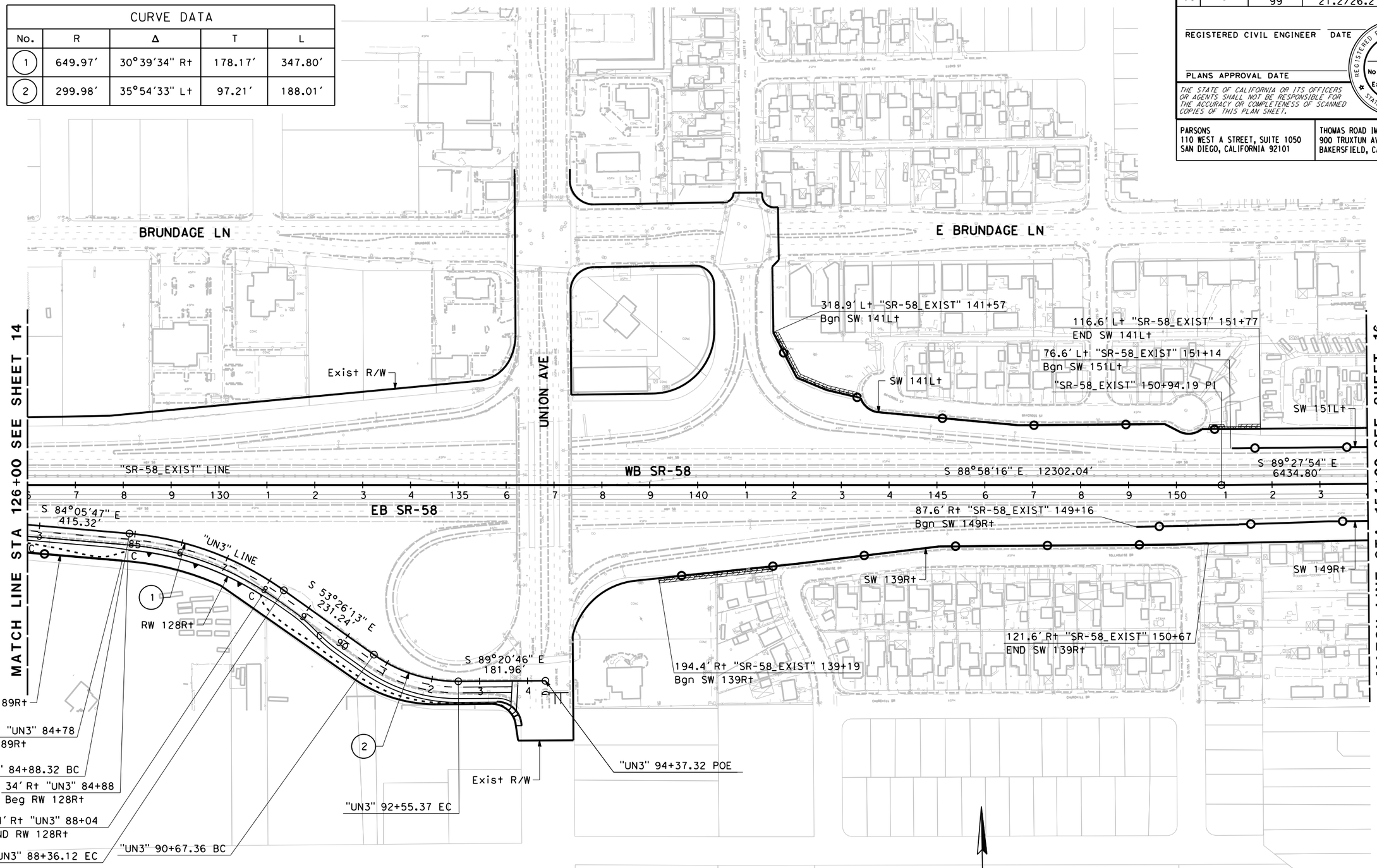
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	649.97′	30°39′34″ Rt	178.17′	347.80′
2	299.98′	35°54′33″ Lt	97.21′	188.01′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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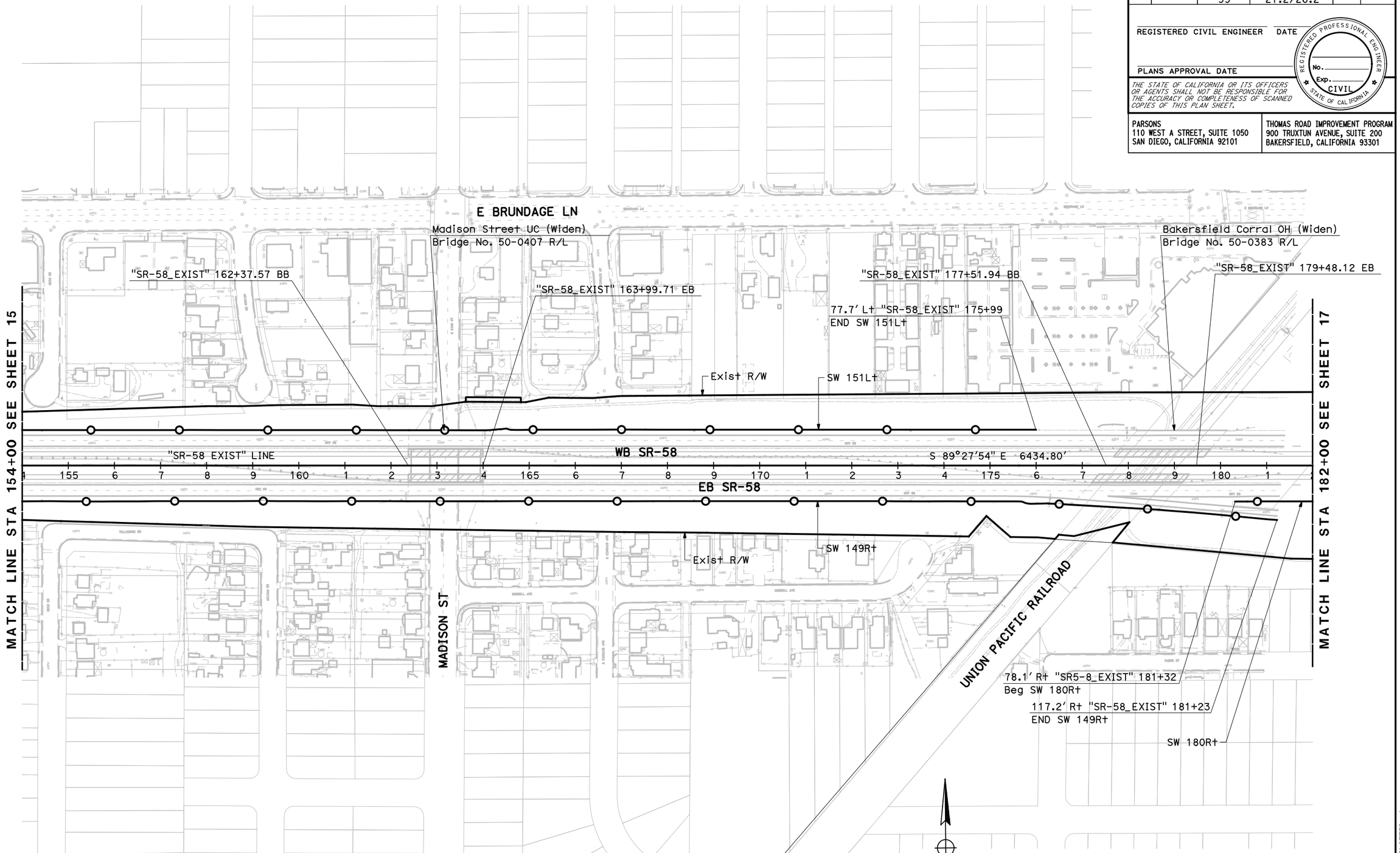
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-16

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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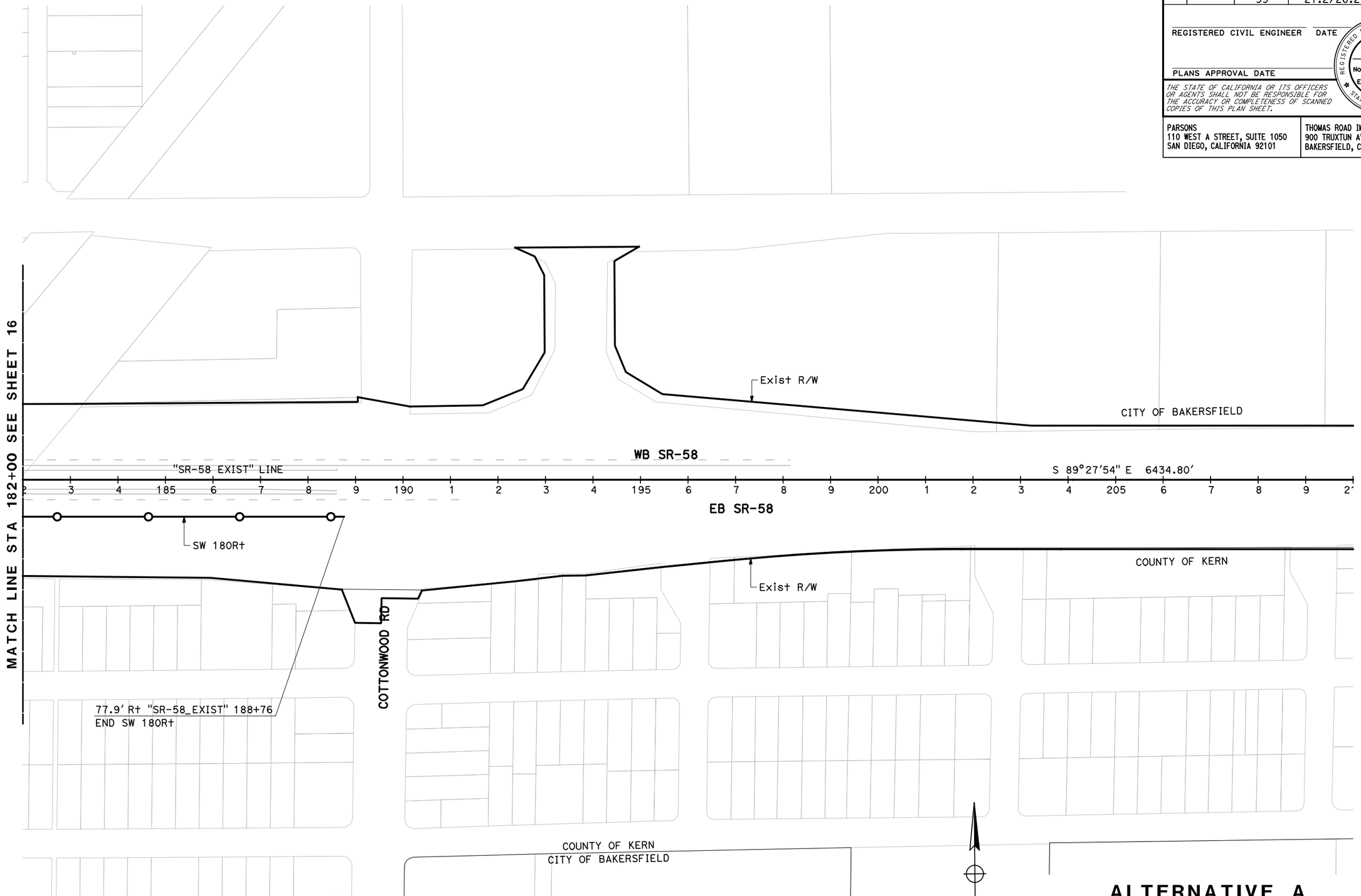
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-17

REVISED BY	DATE REVISED

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LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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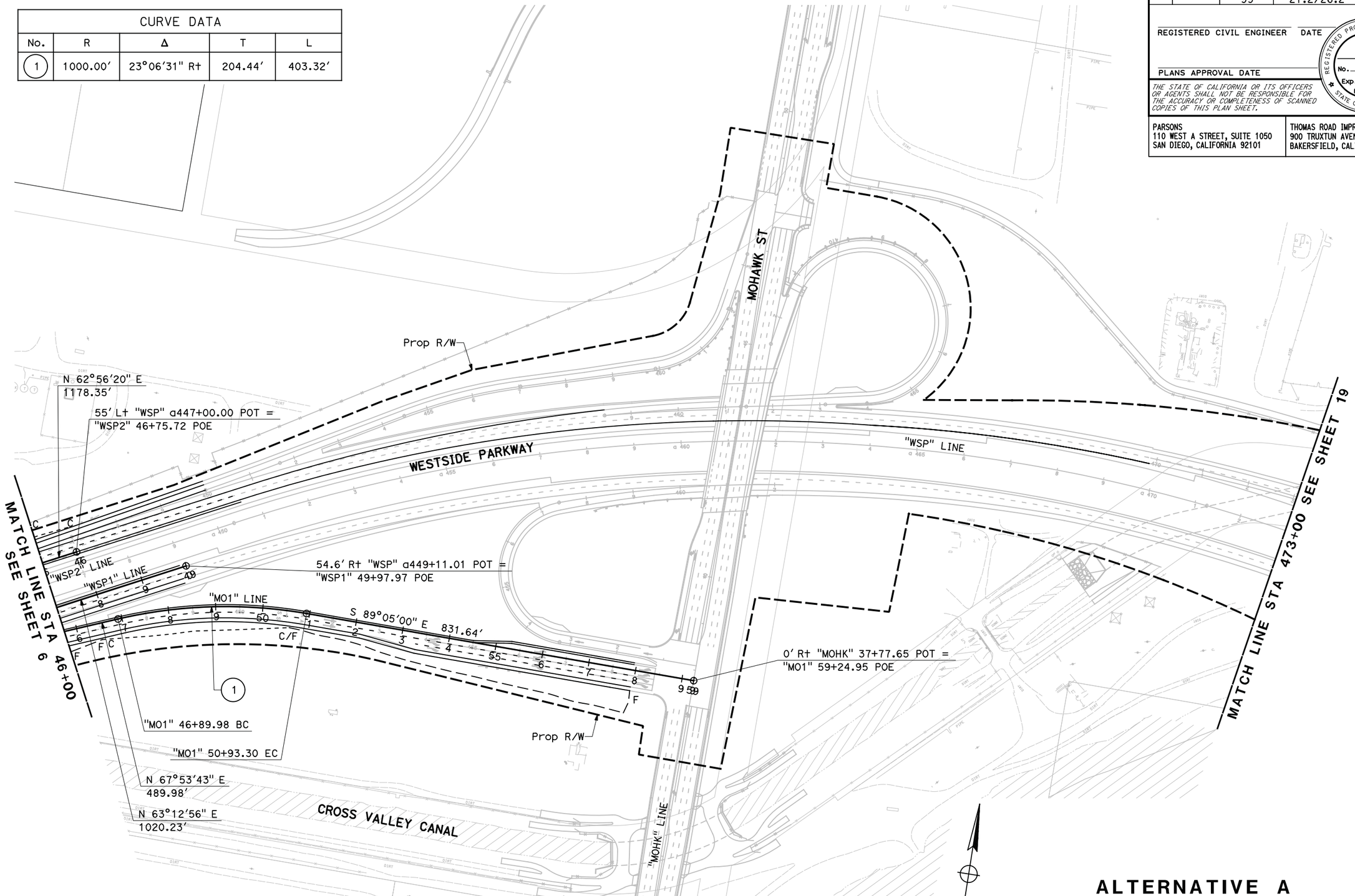
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	1000.00′	23°06′31" Rt	204.44′	403.32′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY | CHECKED BY

REVISED BY | DATE REVISED

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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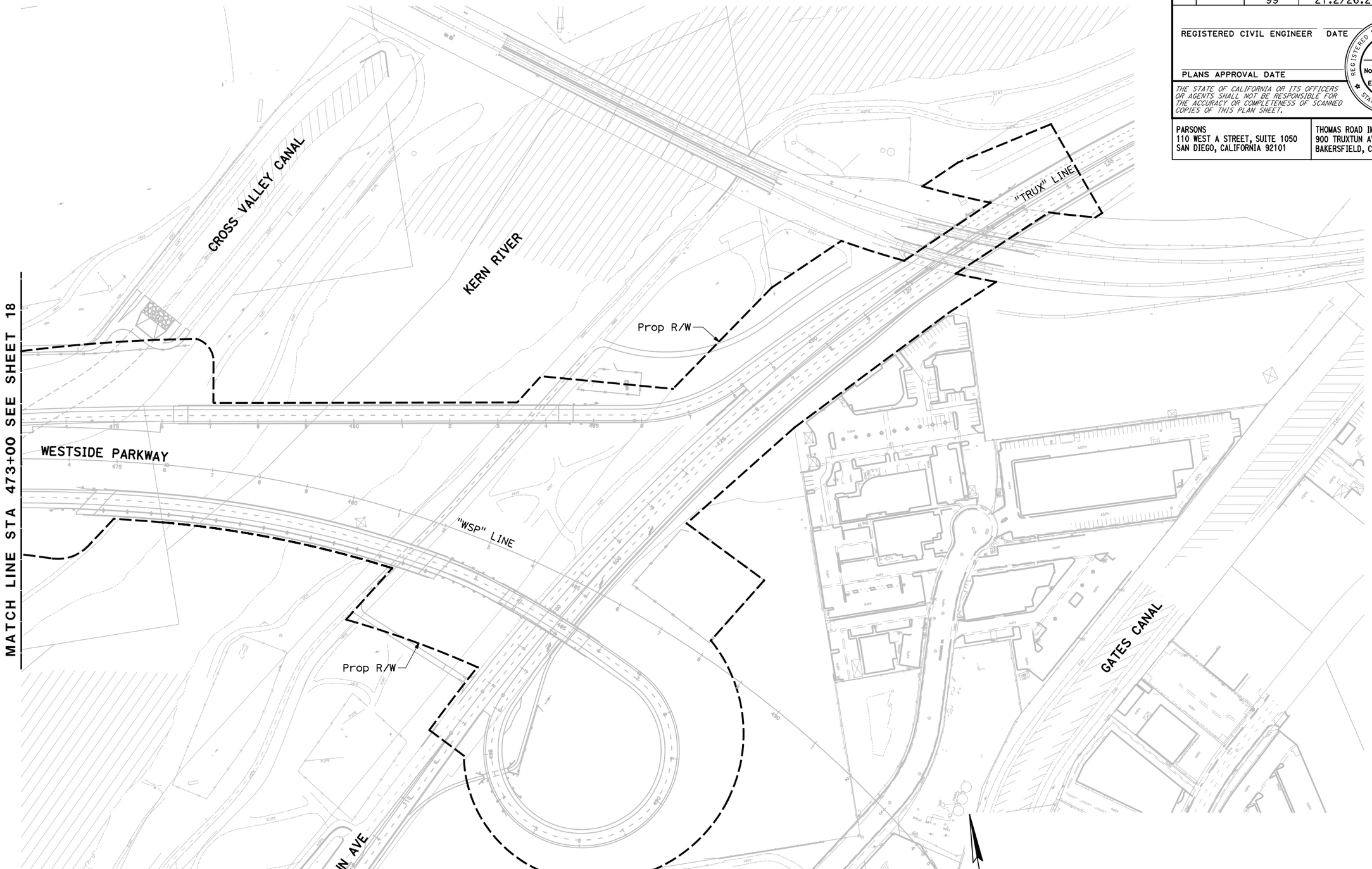
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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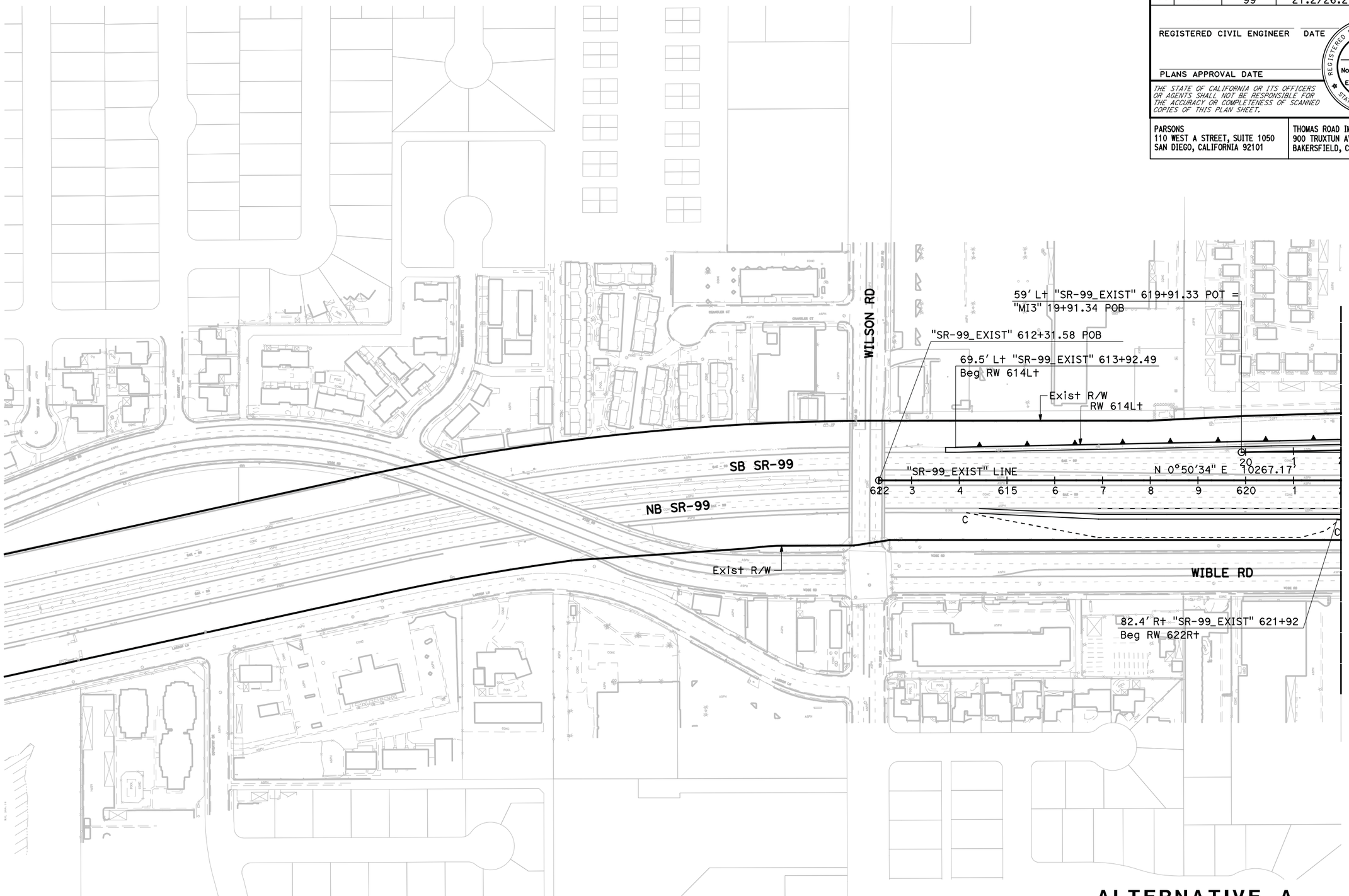
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-20

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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SAN DIEGO, CALIFORNIA 92101

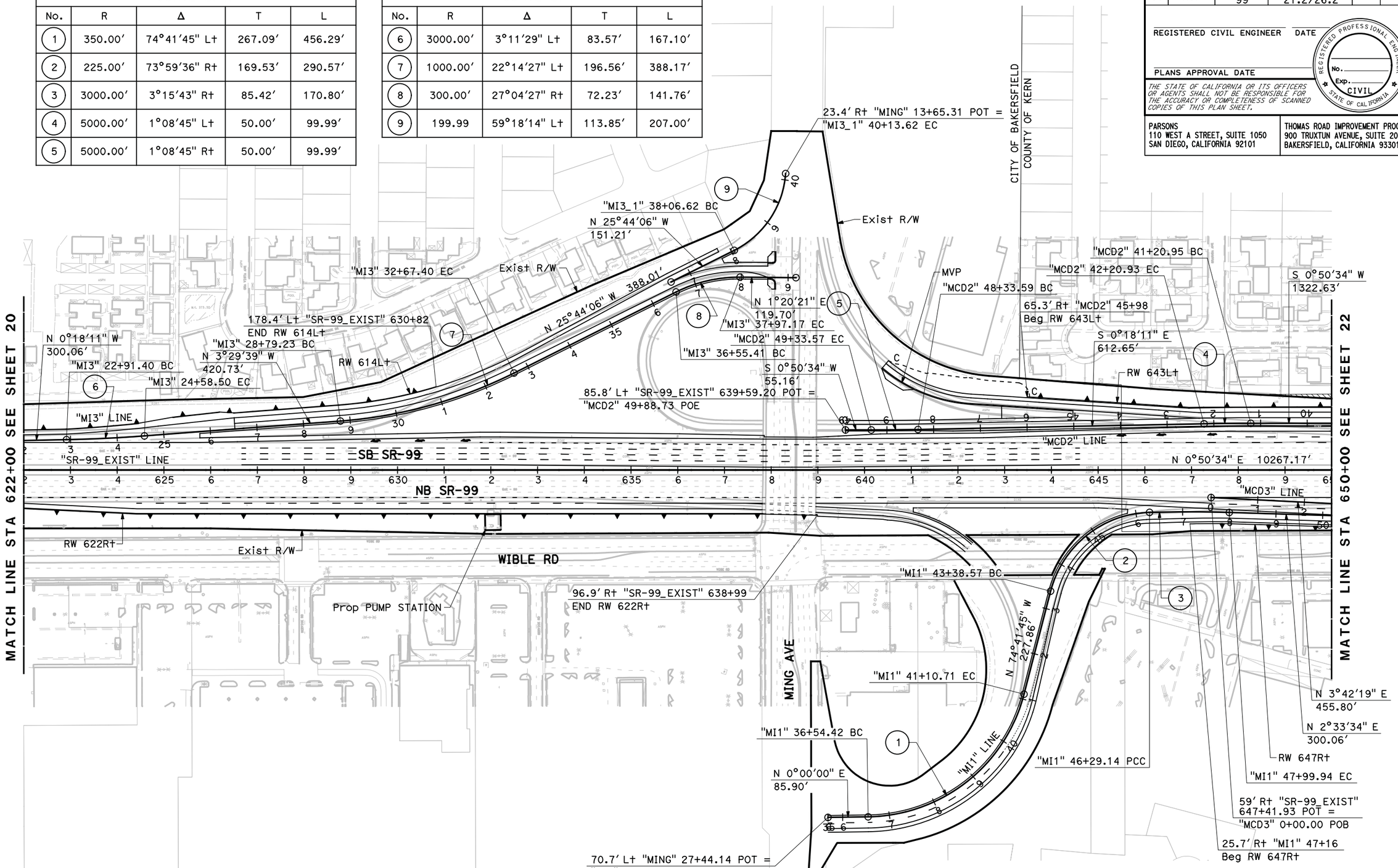
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	350.00′	74°41′45" Lt	267.09′	456.29′
2	225.00′	73°59′36" Rt	169.53′	290.57′
3	3000.00′	3°15′43" Rt	85.42′	170.80′
4	5000.00′	1°08′45" Lt	50.00′	99.99′
5	5000.00′	1°08′45" Rt	50.00′	99.99′

CURVE DATA

No.	R	Δ	T	L
6	3000.00′	3°11′29" Lt	83.57′	167.10′
7	1000.00′	22°14′27" Lt	196.56′	388.17′
8	300.00′	27°04′27" Rt	72.23′	141.76′
9	199.99	59°18′14" Lt	113.85′	207.00′



ALTERNATIVE A
LAYOUT
SCALE: 1" = 100′

L-21

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
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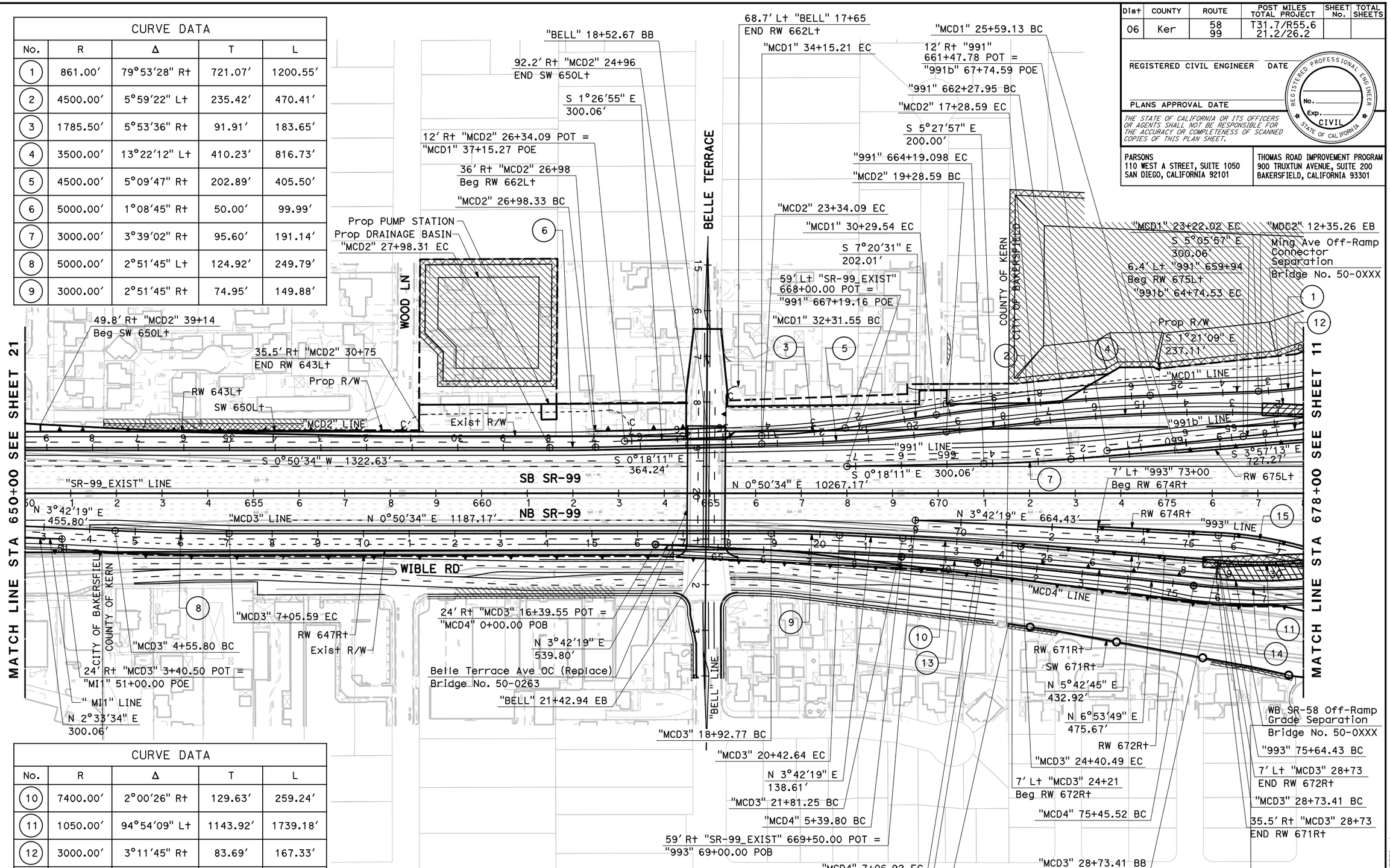
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	861.00′	79°53′28" R+	721.07′	1200.55′
2	4500.00′	5°59′22" L+	235.42′	470.41′
3	1785.50′	5°53′36" R+	91.91′	183.65′
4	3500.00′	13°22′12" L+	410.23′	816.73′
5	4500.00′	5°09′47" R+	202.89′	405.50′
6	5000.00′	1°08′45" R+	50.00′	99.99′
7	3000.00′	3°39′02" R+	95.60′	191.14′
8	5000.00′	2°51′45" L+	124.92′	249.79′
9	3000.00′	2°51′45" R+	74.95′	149.88′



CURVE DATA				
No.	R	Δ	T	L
10	7400.00′	2°00′26" R+	129.63′	259.24′
11	1050.00′	94°54′09" L+	1143.92′	1739.18′
12	3000.00′	3°11′45" R+	83.69′	167.33′
13	3000.00′	3°11′30" R+	83.58′	167.12′
14	1488.00′	19°07′30" L+	250.67′	496.68′
15	850.00′	80°36′27" R+	720.95′	1195.84′

ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

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LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
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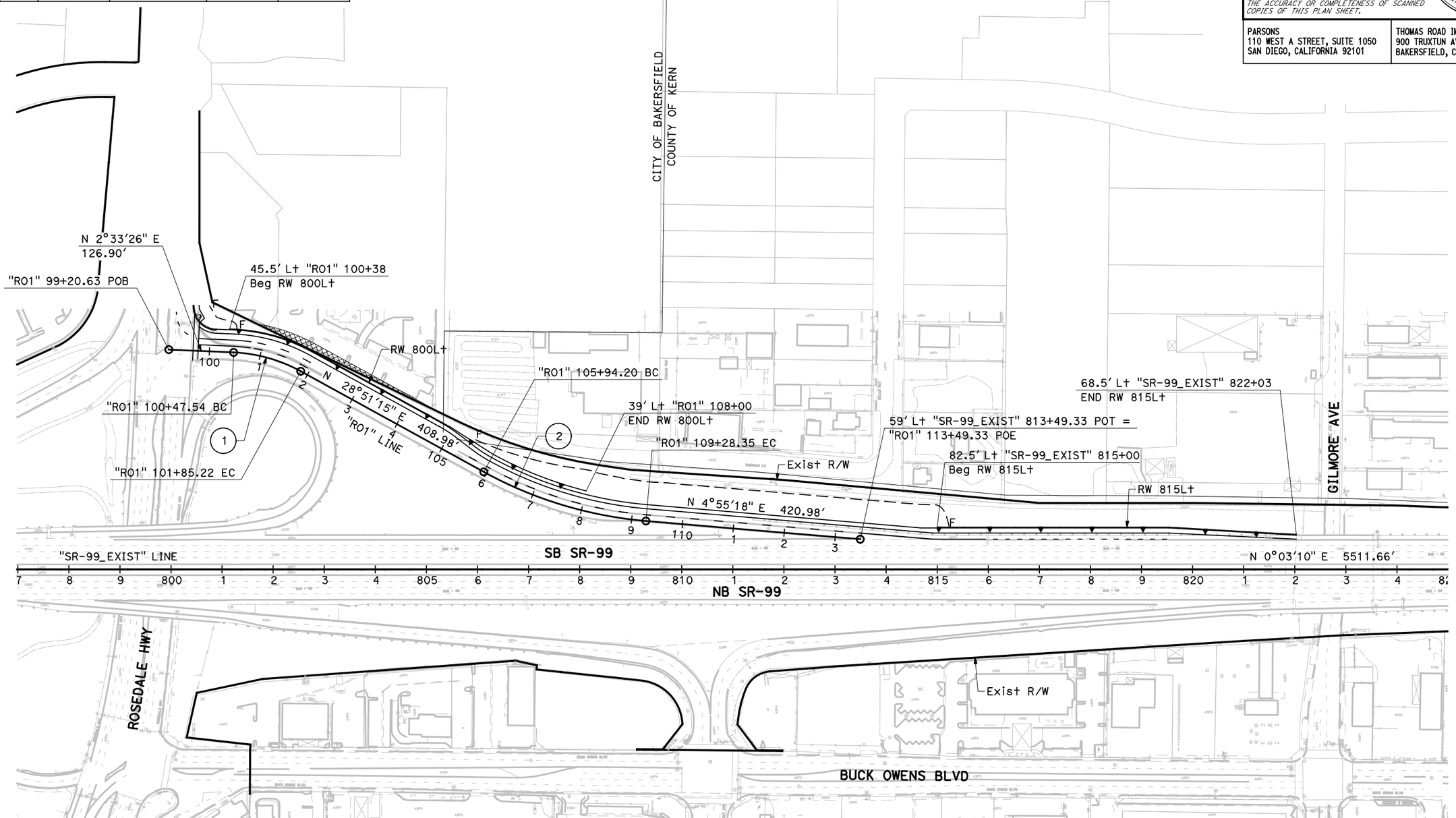
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	299.99′	26°17′49" Rt	70.08′	137.68′
2	799.96′	23°55′57" Lt	169.54′	334.15′



ALTERNATIVE A LAYOUT

SCALE: 1" = 100′

L-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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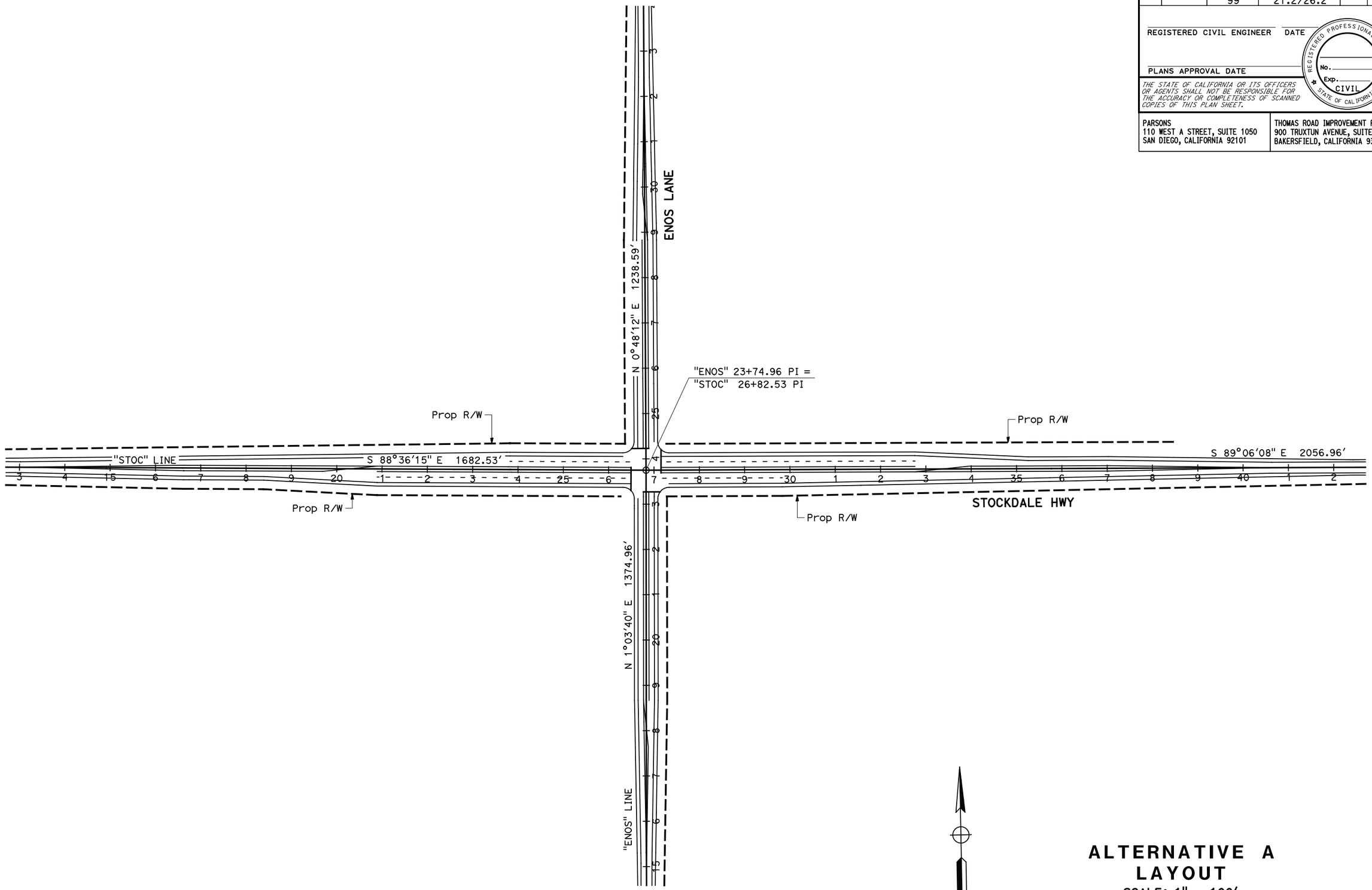
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A LAYOUT

SCALE: 1" = 100'

L-24

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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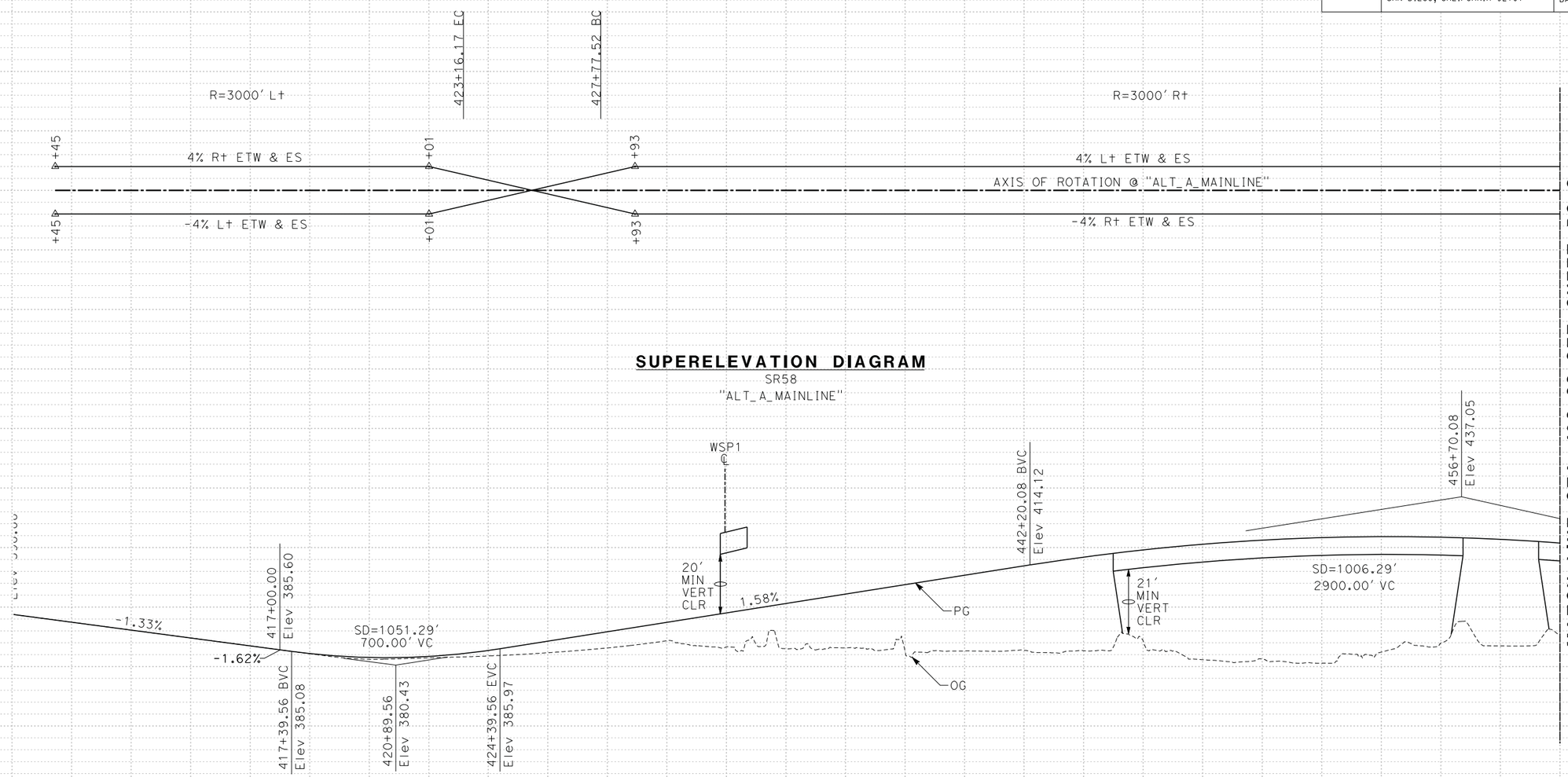
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-1

STATION	410+00	420+00	430+00	440+00	450+00	460+00	TOTAL
CY Exc							
CY Emb							

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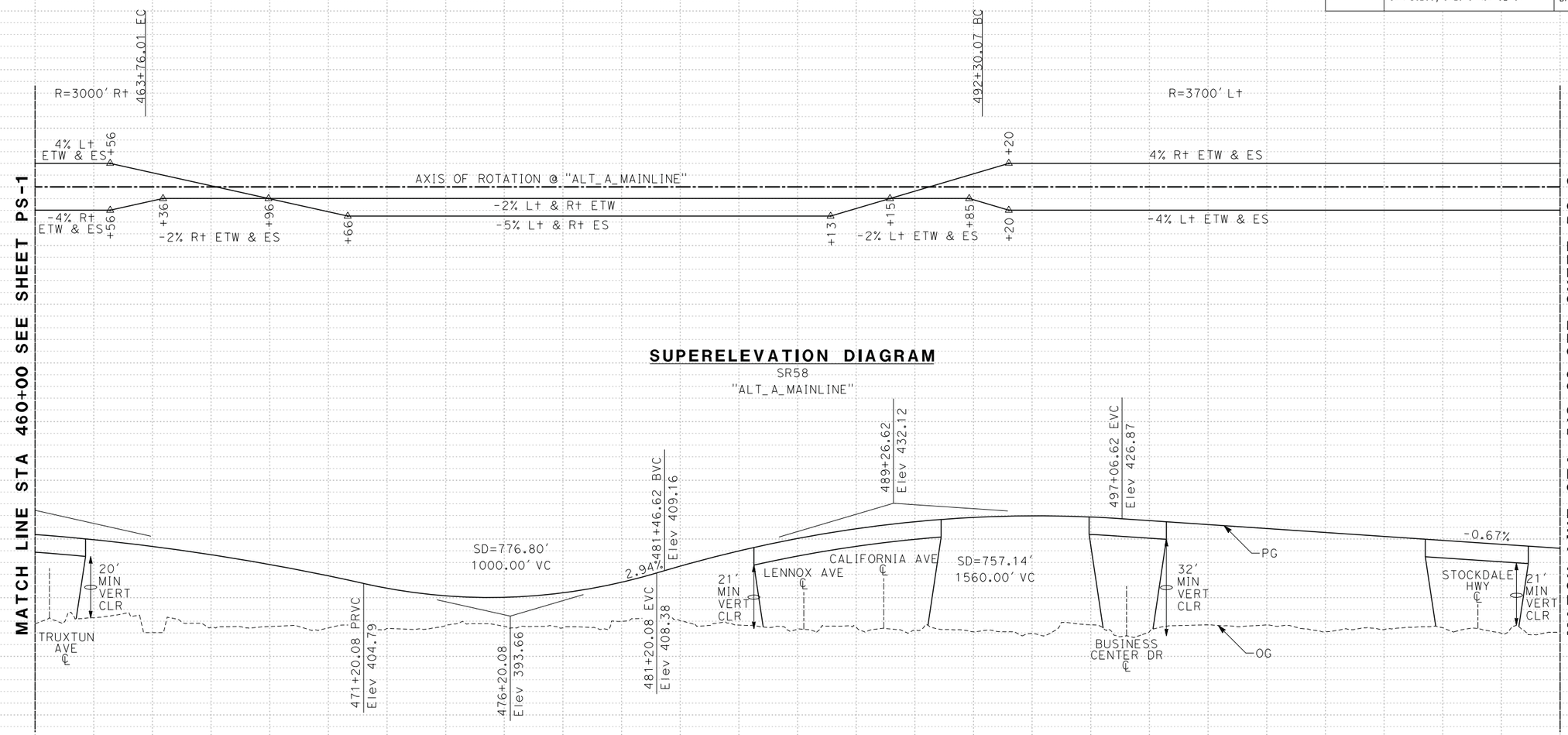

SUPERELEVATION DIAGRAM

SR58
"ALT_A_MAINLINE"

PROFILE

SR58
"ALT_A_MAINLINE"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-2

STATION		460+00	470+00	480+00	490+00	500+00	510+00	TOTAL
CY	Exc							
	Emb							

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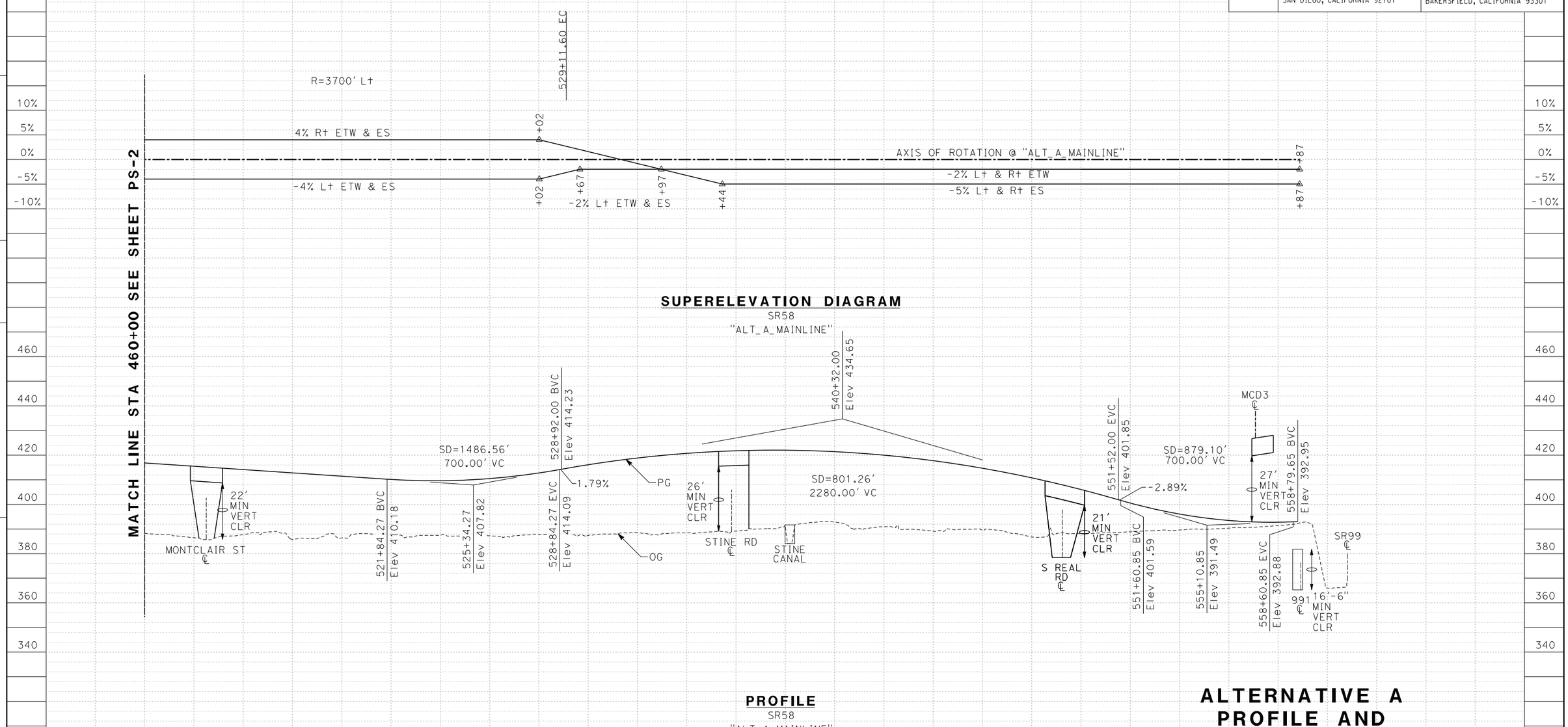

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-3

STATION	512+00	520+00	530+00	540+00	550+00	560+00	TOTAL
CY Exc							
CY Emb							

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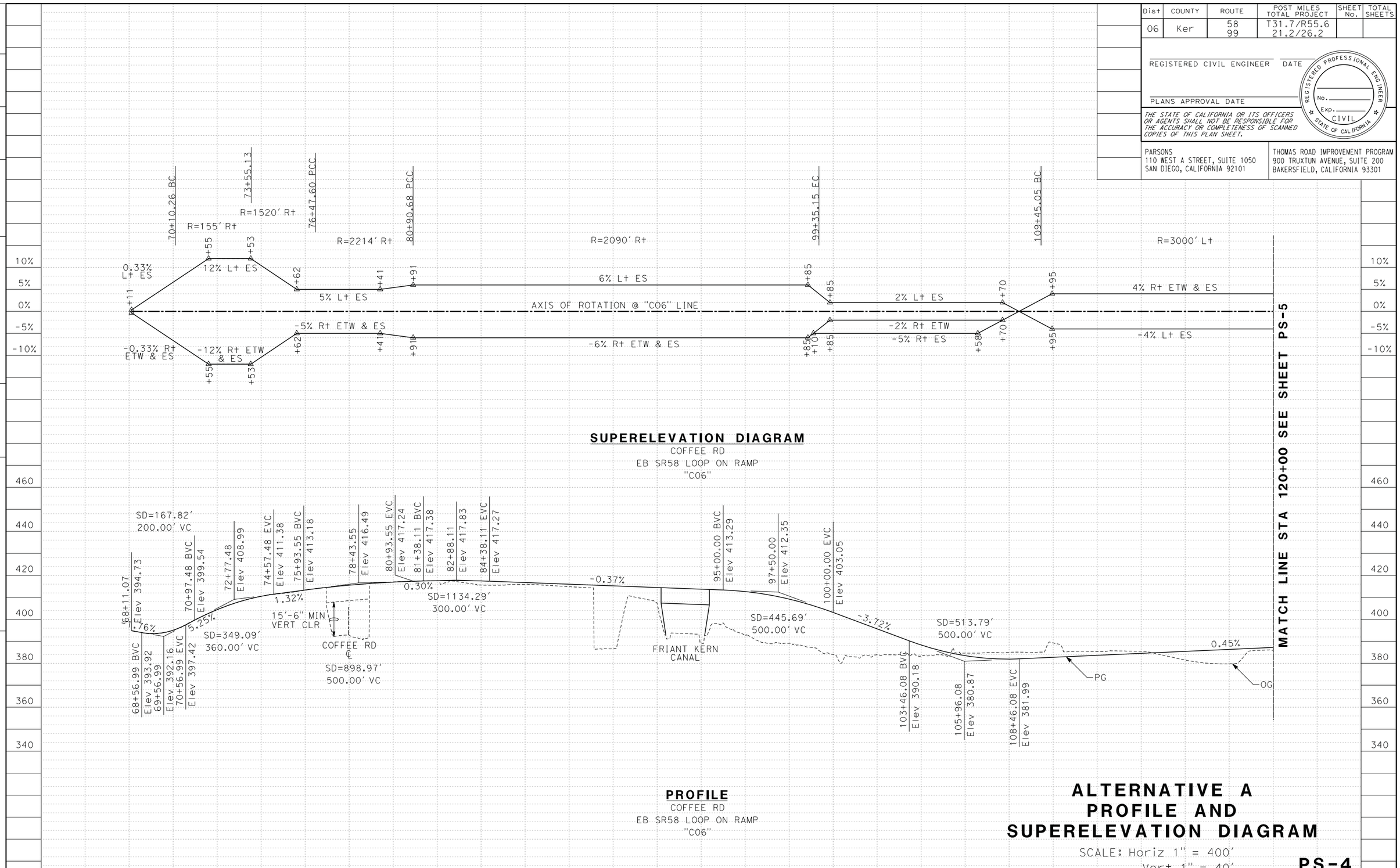

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-4

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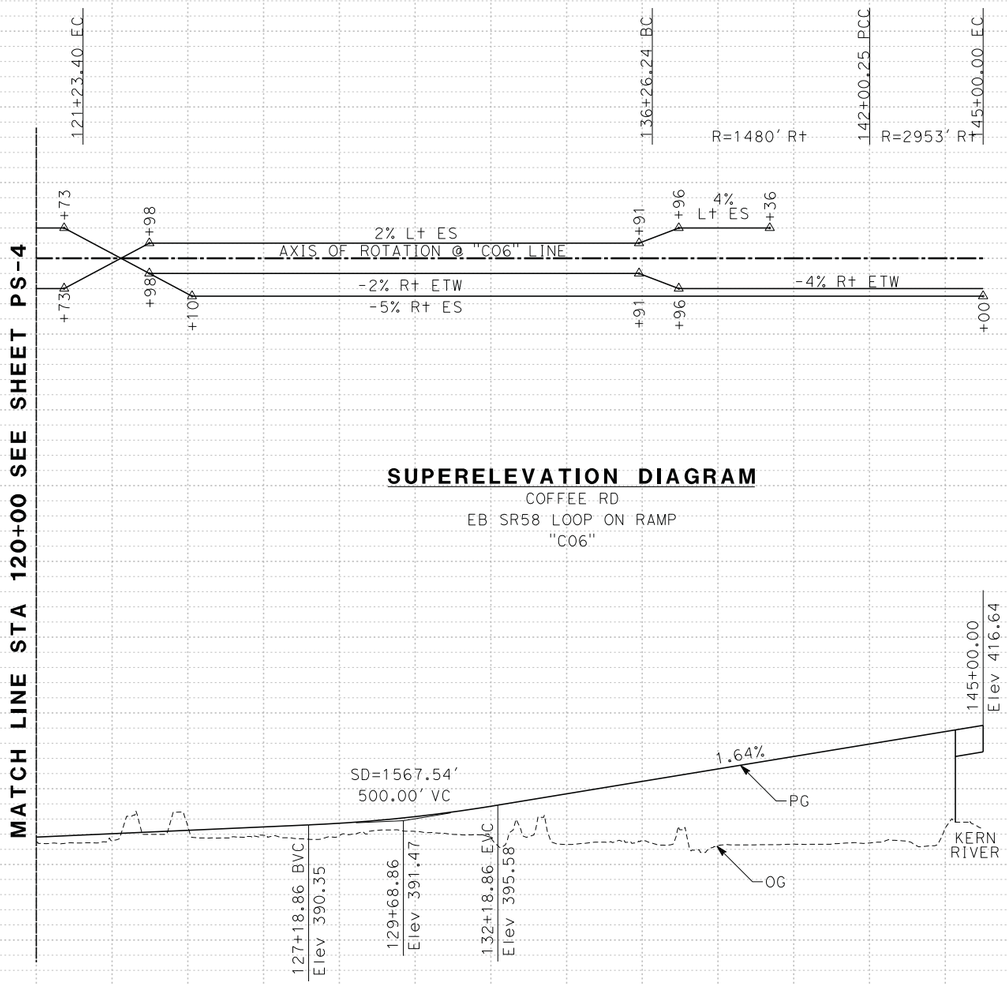

SUPERELEVATION DIAGRAM
COFFEE RD
EB SR58 LOOP ON RAMP
"C06"

PROFILE
COFFEE RD
EB SR58 LOOP ON RAMP
"C06"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-5

STATION	120+00	130+00	140+00	TOTAL
CY Exc				
CY Emb				

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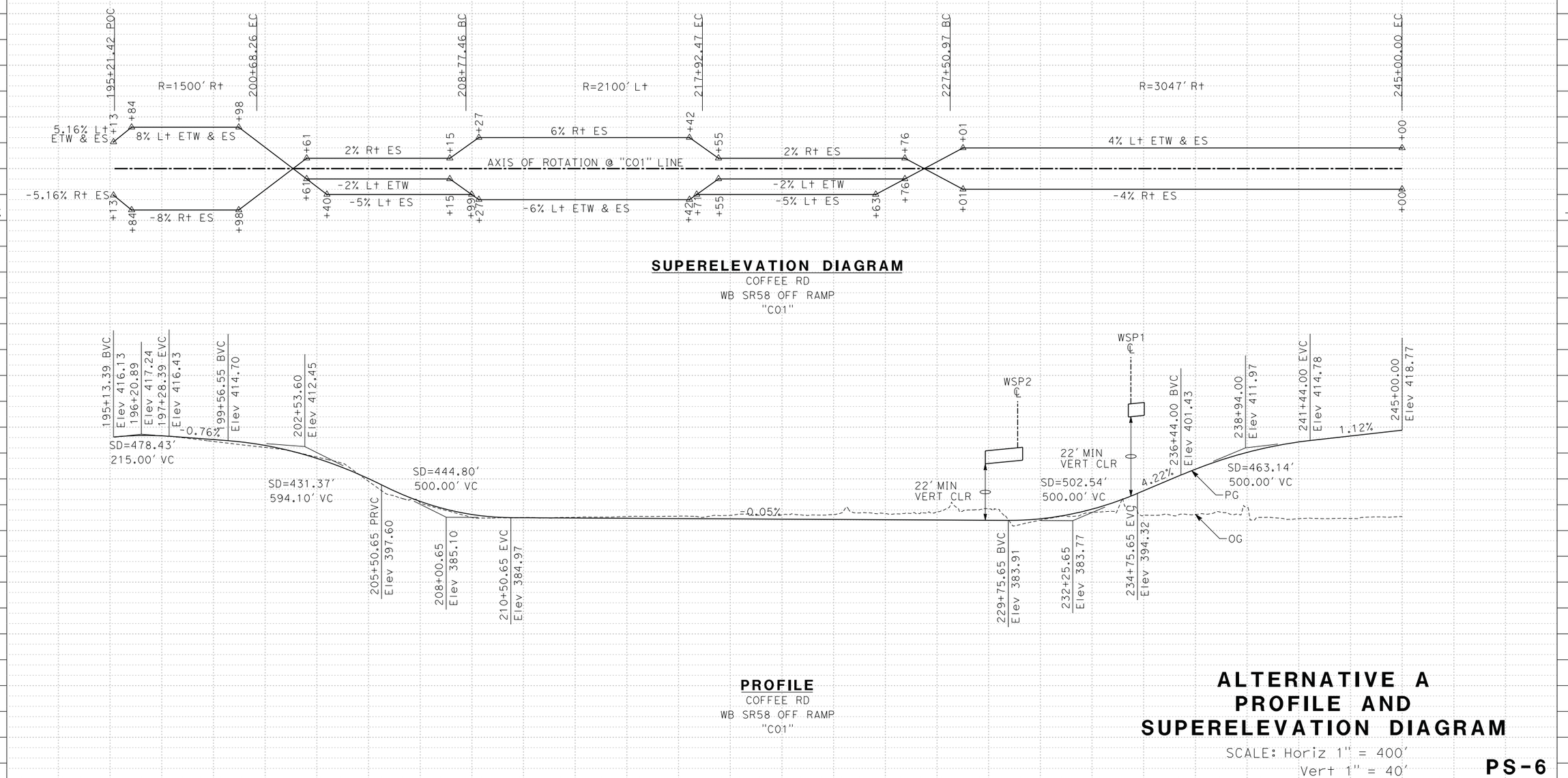

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-6

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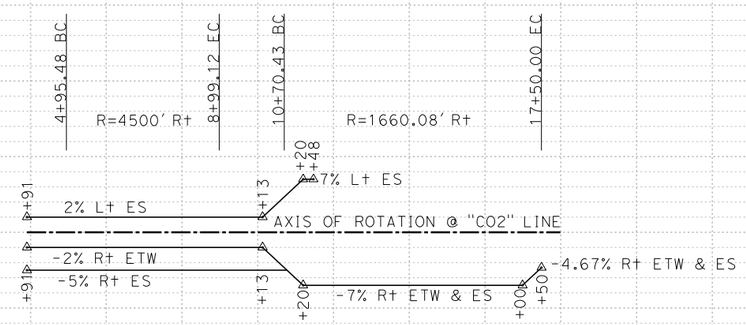
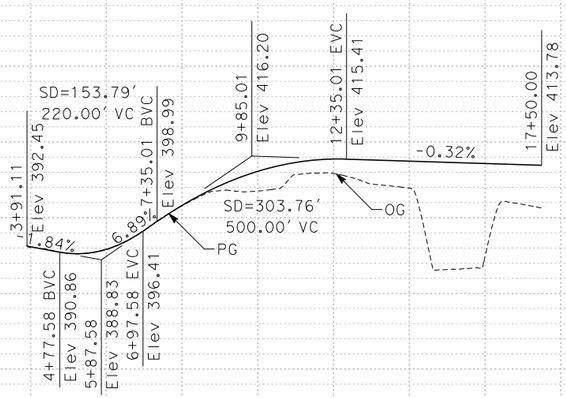
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
COFFEE RD
EB SR58 ON RAMP
"CO2"



PROFILE
COFFEE RD
EB SR58 ON RAMP
"CO2"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-7

STATION		10+00	20+00	TOTAL
CY	Exc			
	Emb			

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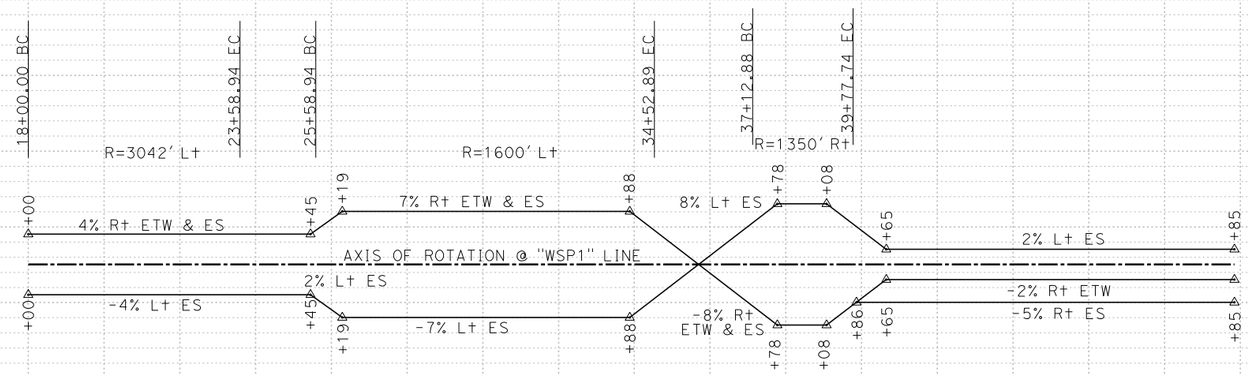
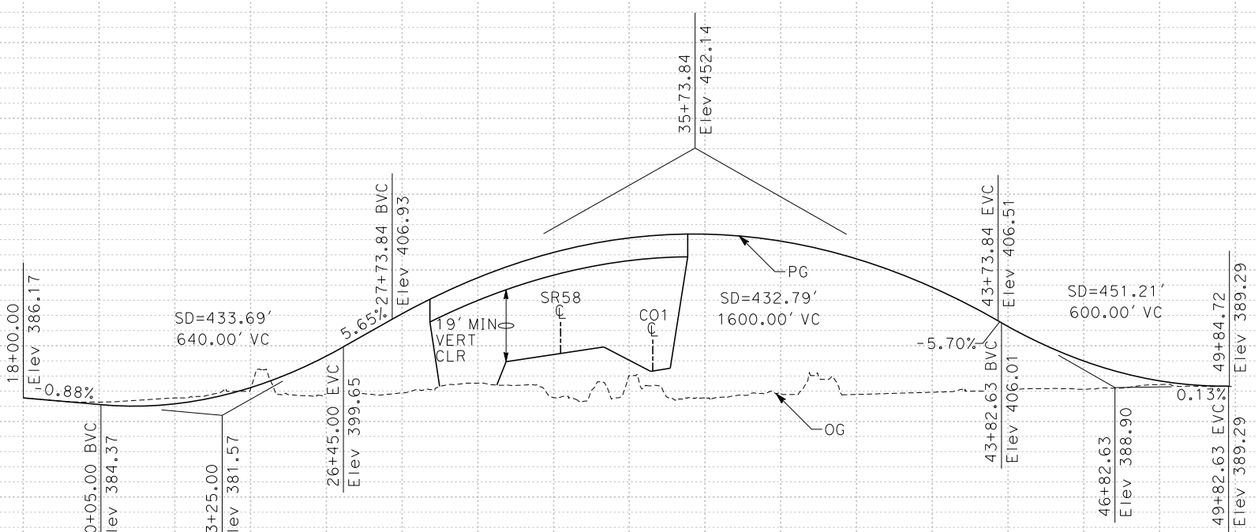


SUPERELEVATION DIAGRAM

SR58/WESTSIDE PKWY
EB CONNECTOR
"WSP1"



PROFILE

SR58/WESTSIDE PKWY
EB CONNECTOR
"WSP1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-8

STATION	20+00	30+00	40+00	50+00	TOTAL
CY Exc					
CY Emb					

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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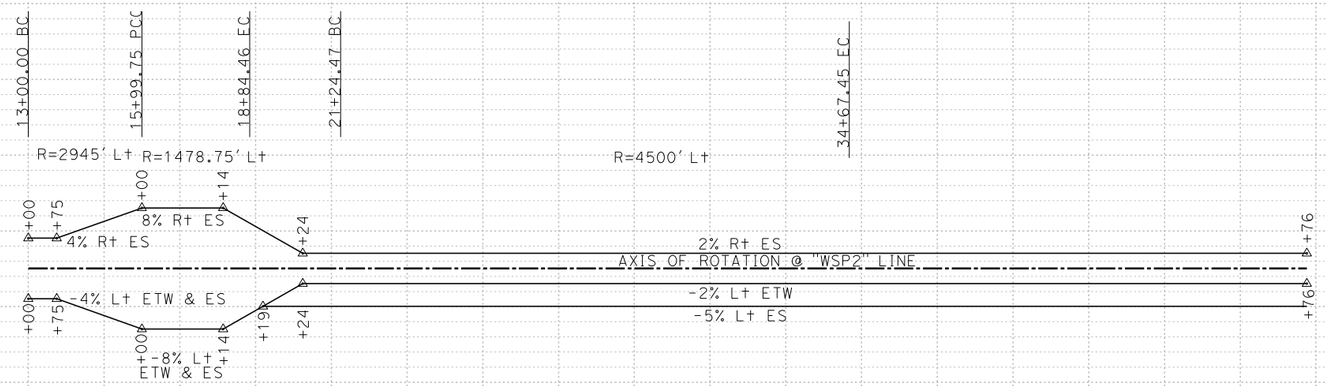
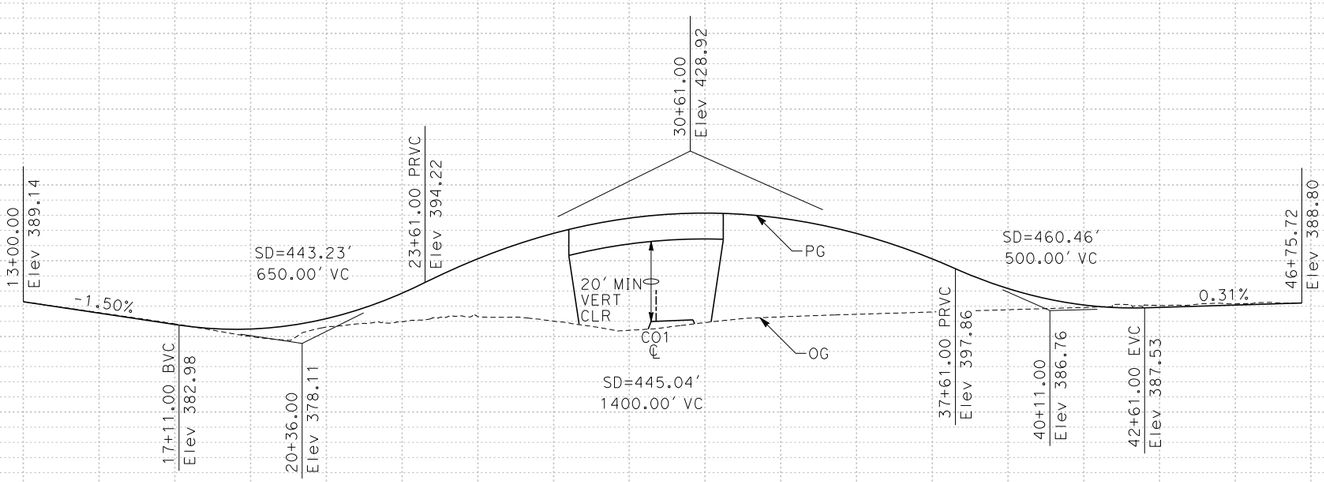


SUPERELEVATION DIAGRAM

SR58/WESTSIDE PKWY
WB CONNECTOR
"WSP2"



PROFILE

SR58/WESTSIDE PKWY
WB CONNECTOR
"WSP2"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-9

STATION	15+00	25+00	35+00	45+00	TOTAL
CY Exc					
CY Emb					

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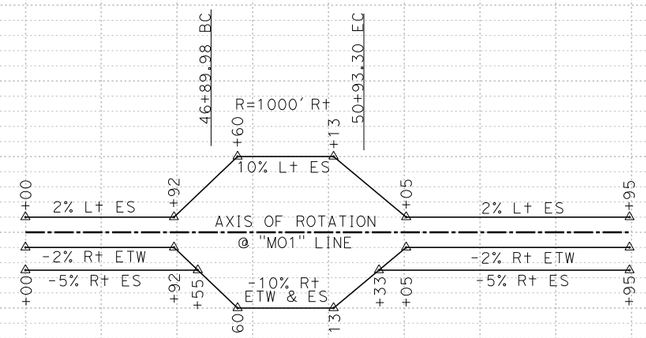
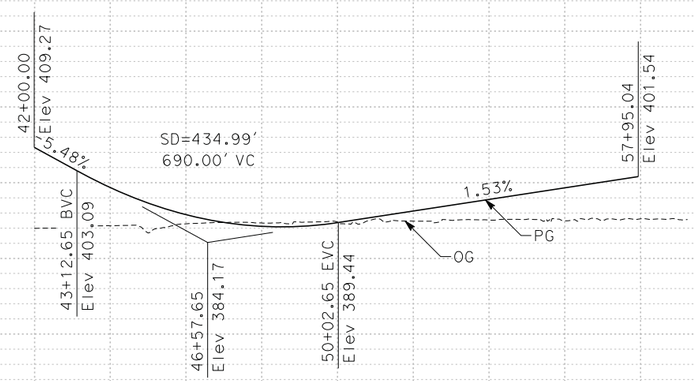


SUPERELEVATION DIAGRAM
MOHAWK ST
EB WSP OFF RAMP
"MO1"



PROFILE
MOHAWK ST
EB WSP OFF RAMP
"MO1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-10

10% 5% 0% -5% -10%

440 420 400 380 360 340

STATION 40+00 50+00 60+00 TOTAL

CY Exc
Emb

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UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

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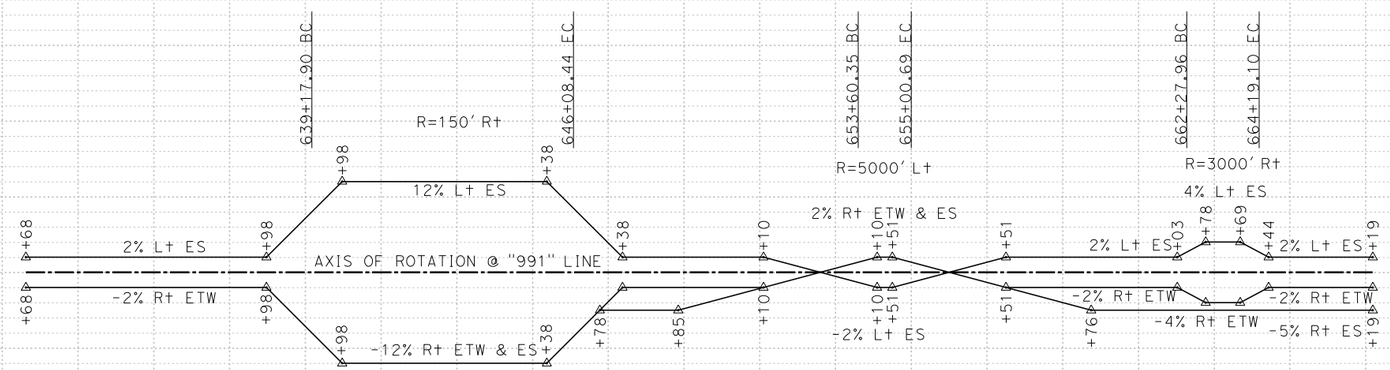
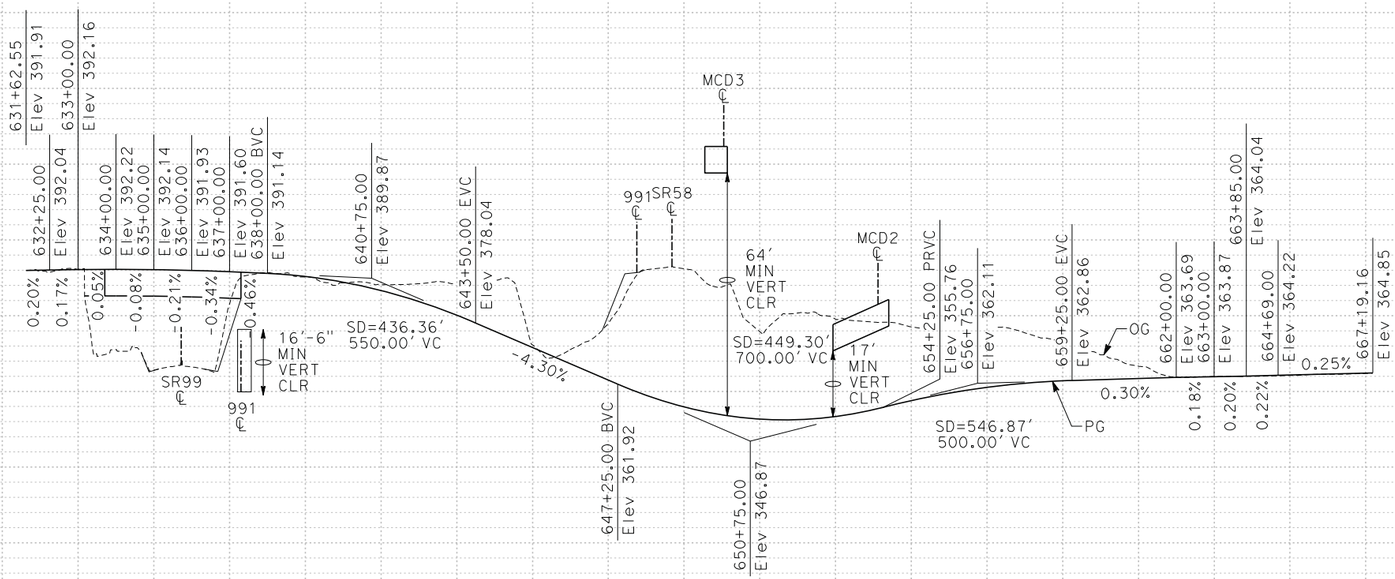


SUPERELEVATION DIAGRAM

WB SR58 TO
NB SR99 LOOP CONNECTOR
"991"



PROFILE

WB SR58 TO
NB SR99 LOOP CONNECTOR
"991"

ALTERNATIVE A
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-11

STATION 635+00 645+00 655+00 665+00 TOTAL

CY Exc
Emb

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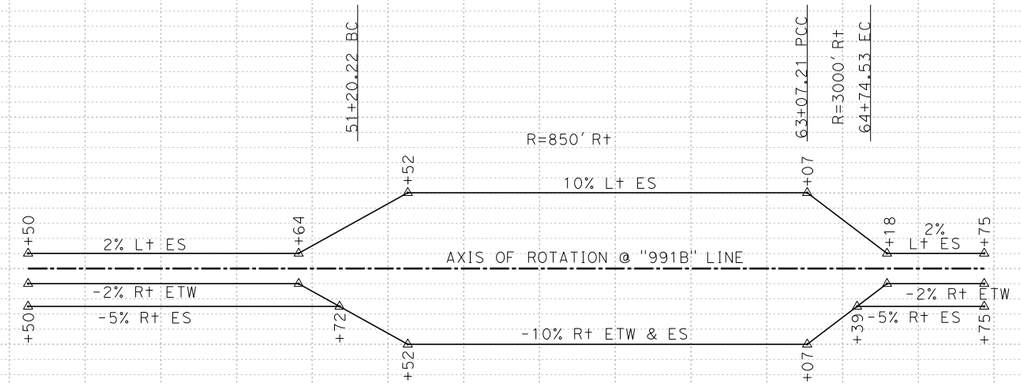
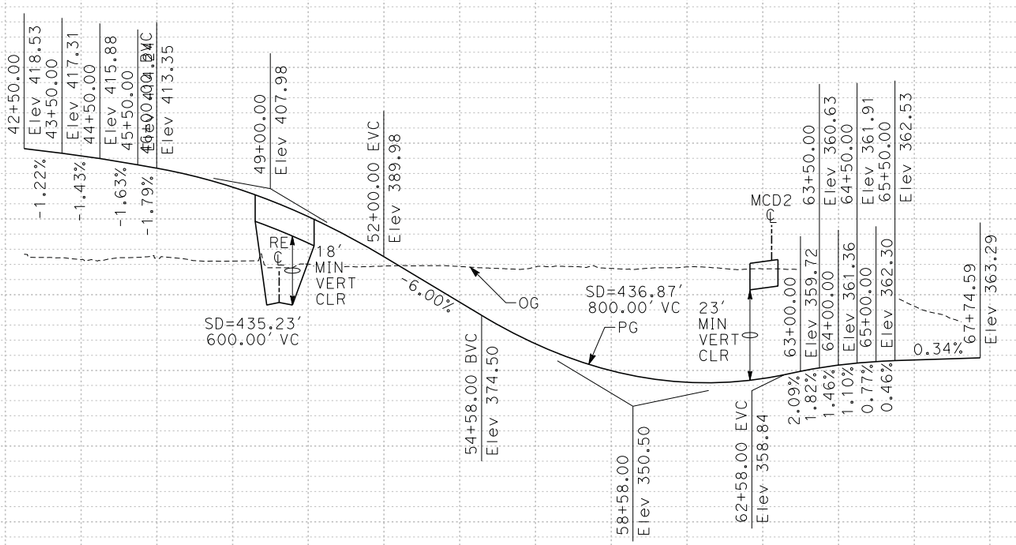


SUPERELEVATION DIAGRAM
EB SR58 TO
SB SR99 CONNECTOR
"991B"



PROFILE
EB SR58 TO
SB SR99 CONNECTOR
"991B"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-12

STATION 40+00 50+00 60+00 70+00 TOTAL

CY Exc
Emb

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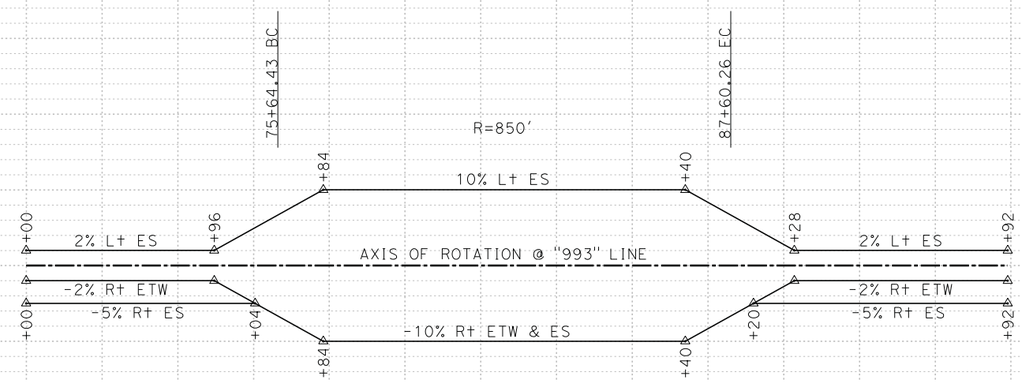
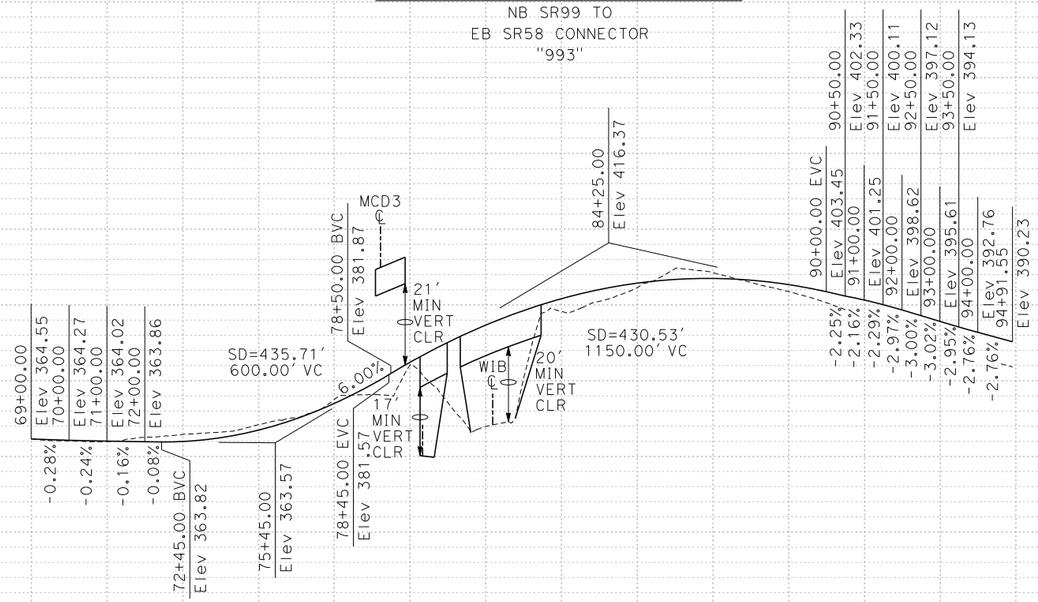
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

NB SR99 TO
EB SR58 CONNECTOR
"993"



PROFILE

NB SR99 TO
EB SR58 CONNECTOR
"993"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-13

STATION	65+00	75+00	85+00	95+00	TOTAL
CY Exc					
CY Emb					

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Caltrans

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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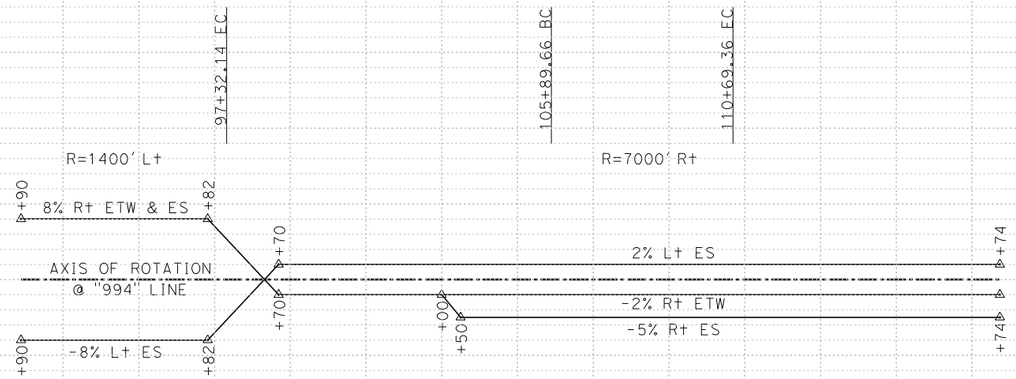
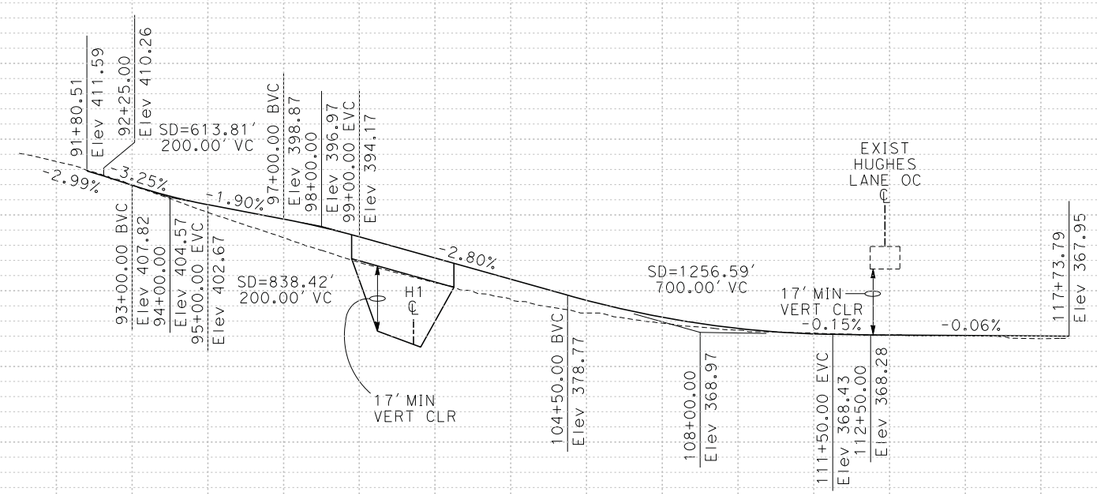
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SB/NB SR99 CD
TO EB SR58 CONNECTOR
"994"



PROFILE
SB/NB SR99 CD
TO EB SR58 CONNECTOR
"994"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-14

STATION	95+00	105+00	115+00	TOTAL
CY Exc				
CY Emb				

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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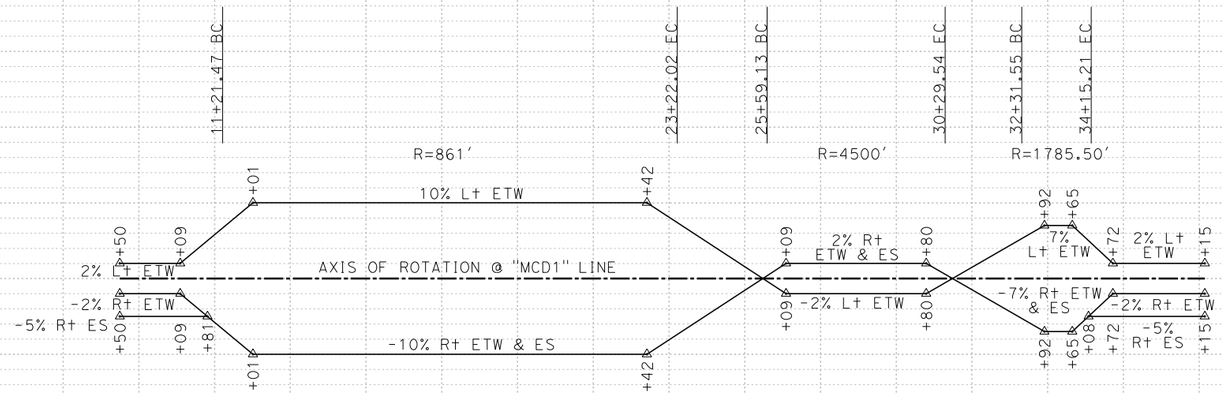
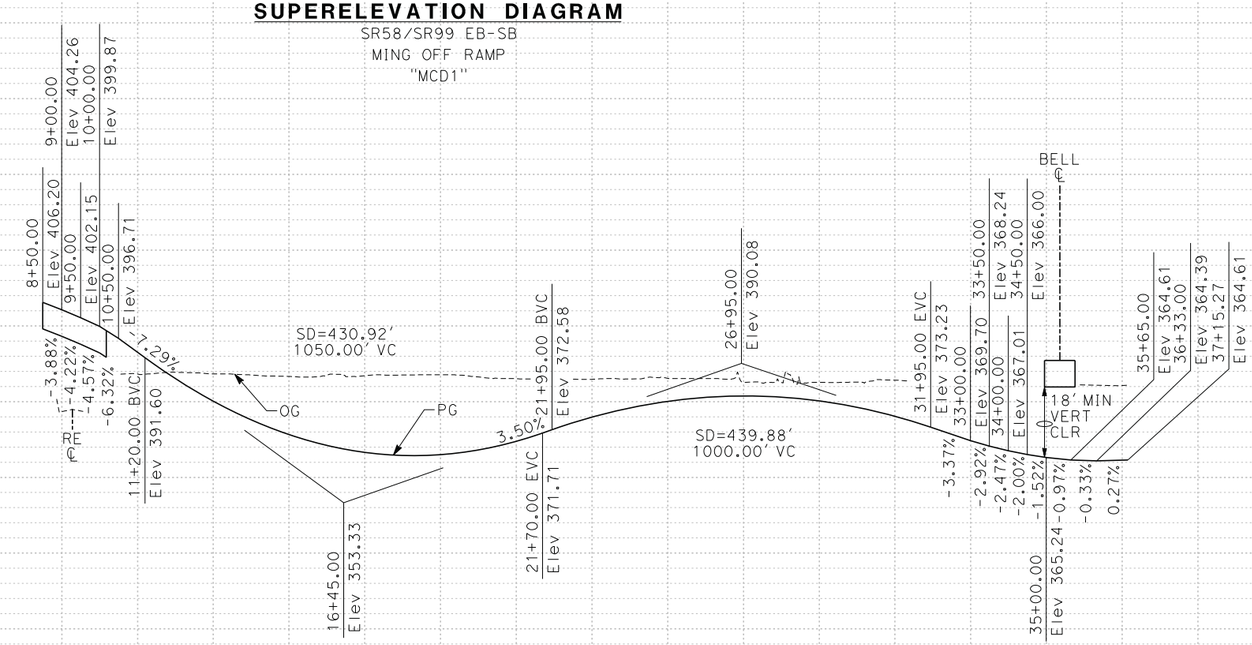
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

SR58/SR99 EB-SB
MING OFF RAMP
"MCD1"



PROFILE

SR58/SR99 EB-SB
MING OFF RAMP
"MCD1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-15

STATION 5+00 15+00 25+00 35+00 TOTAL

CY Exc
Emb

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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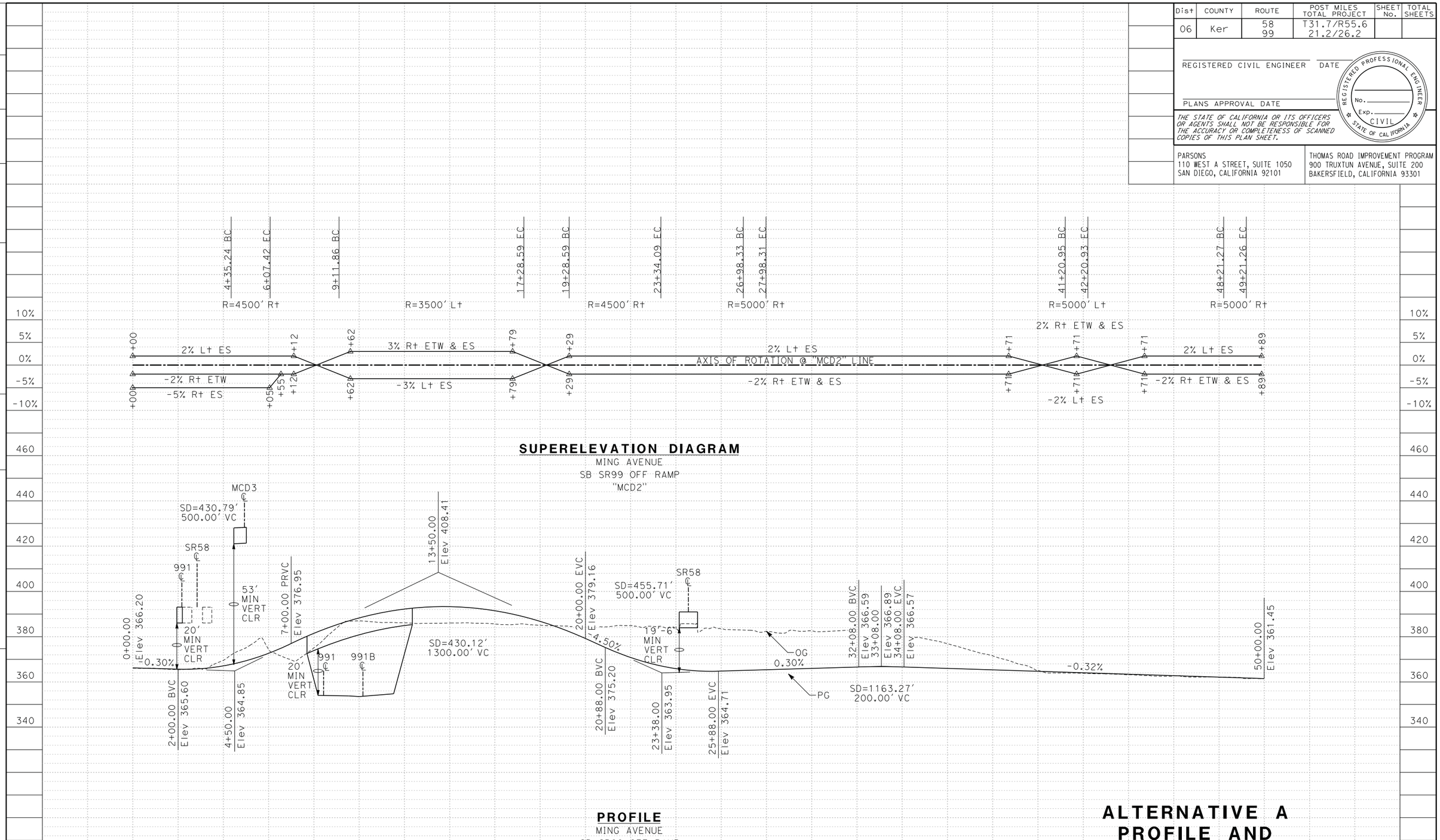
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 OFF RAMP
"MCD2"

PROFILE
MING AVENUE
SB SR99 OFF RAMP
"MCD2"

ALTERNATIVE A
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-16

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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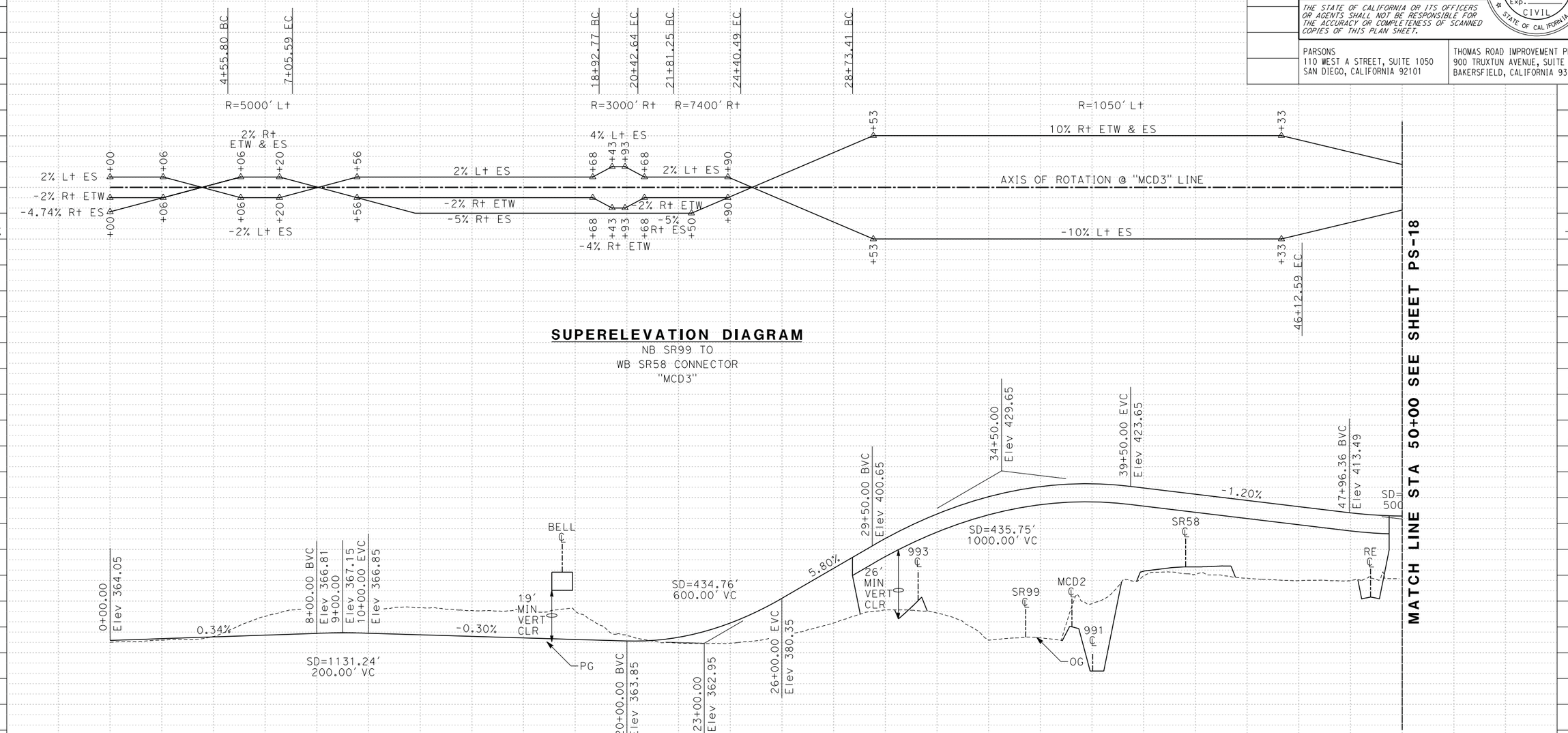
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

PROFILE
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

STATION	00+00	10+00	20+00	30+00	40+00	50+00	TOTAL
CY Exc							
CY Emb							

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-17

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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TIME PLOTTED => $TIME
LAST REVISION 03-27-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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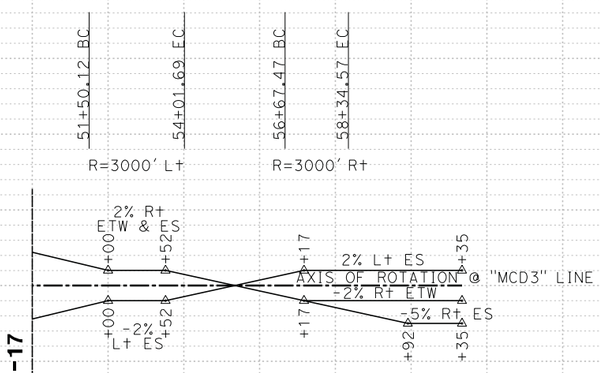
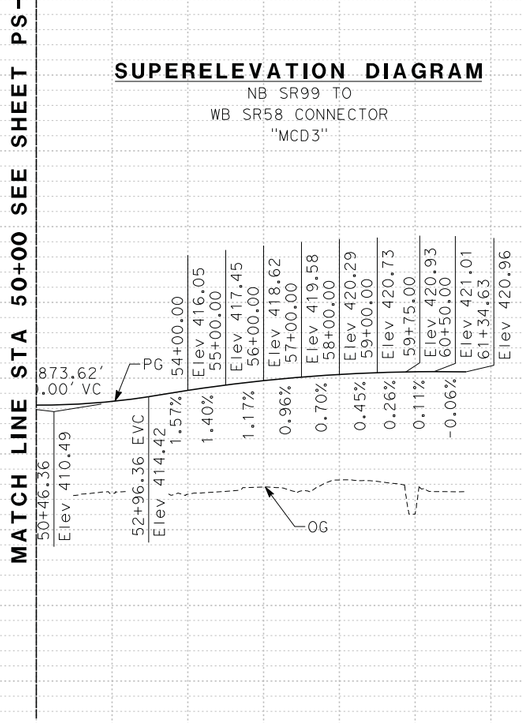
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"



PROFILE
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-18

STATION		50+00	60+00	TOTAL
CY	Exc			
	Emb			

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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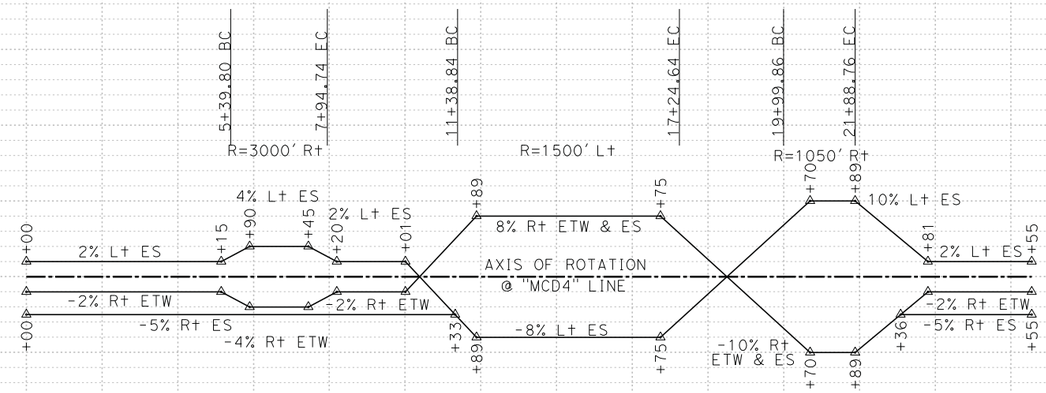
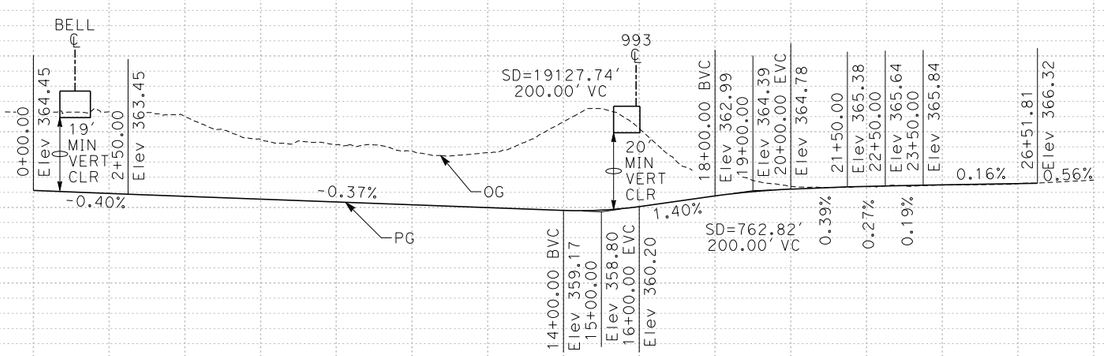
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

MING AVENUE
NB SR99 SLIP ON RAMP
"MCD4"



PROFILE

MING AVENUE
NB SR99 SLIP ON RAMP
"MCD4"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-19

STATION	0+00	10+00	20+00	30+00	TOTAL
CY Exc					
CY Emb					

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BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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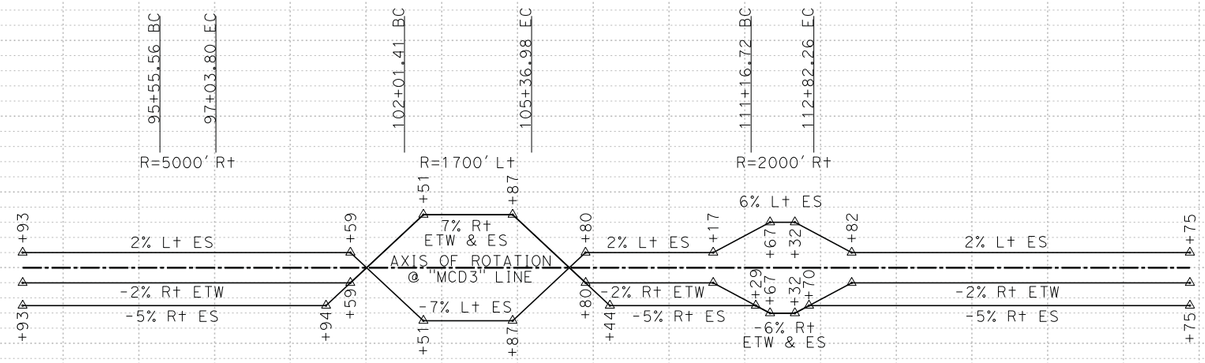
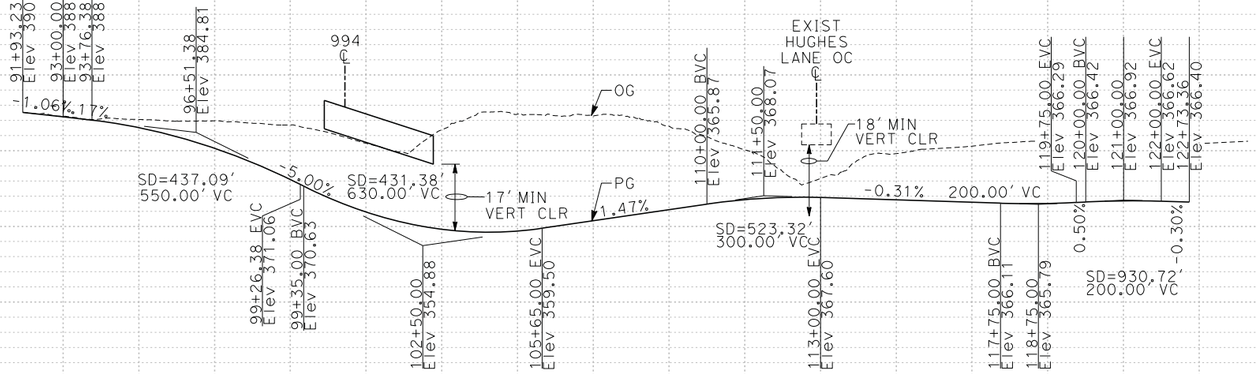
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
H STREET
SB/NB SR99 CD OFF RAMP
"H1"



PROFILE
H STREET
SB/NB SR99 CD OFF RAMP
"H1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-20

STATION: 85+00 | 95+00 | 105+00 | 115+00 | 125+00 | TOTAL

CY Exc
CY Emb

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DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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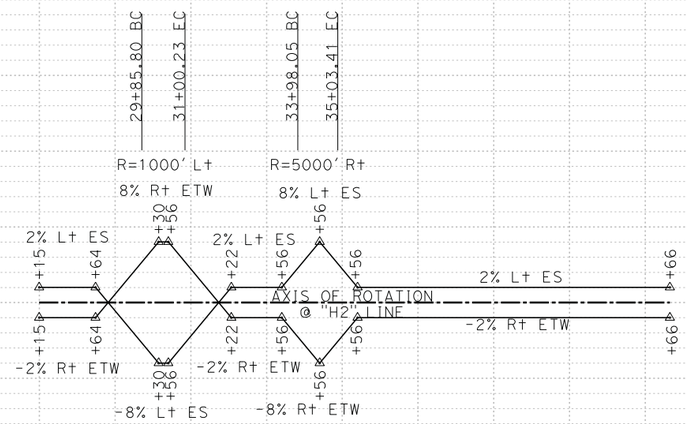
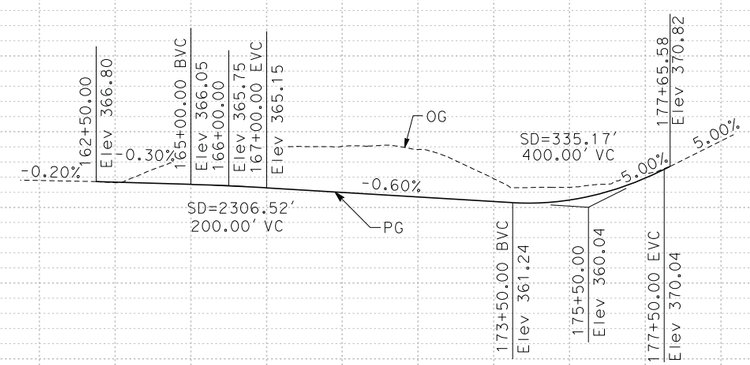
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

H STREET
EB SR58 SLIP OFF RAMP
"H2"



PROFILE

H STREET
EB SR58 SLIP OFF RAMP
"H2"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-21

STATION		165+00	175+00	TOTAL
CY	Exc			
	Emb			

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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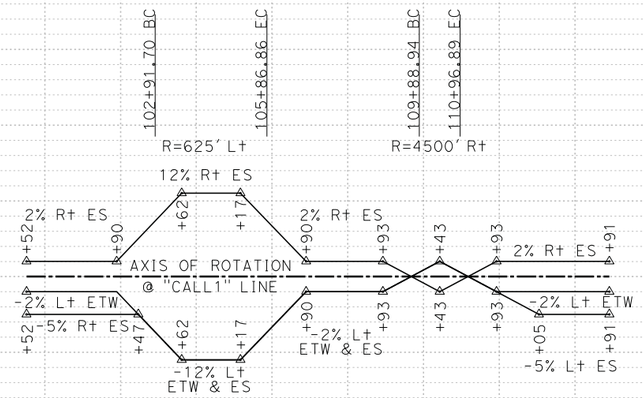
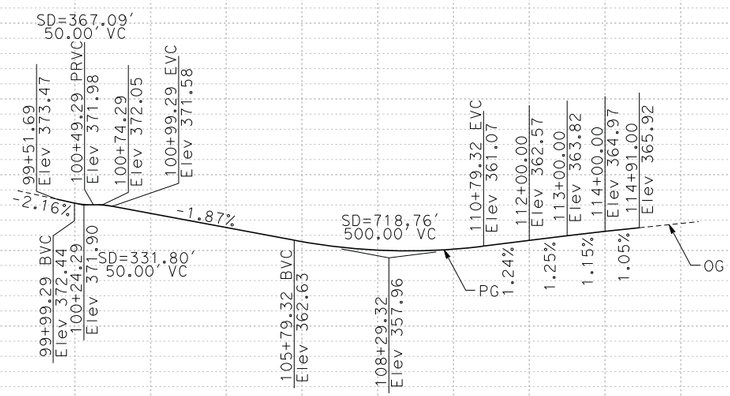
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"



PROFILE
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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STATION: 100+00 110+00 120+00 TOTAL

CY Exc
CY Emb

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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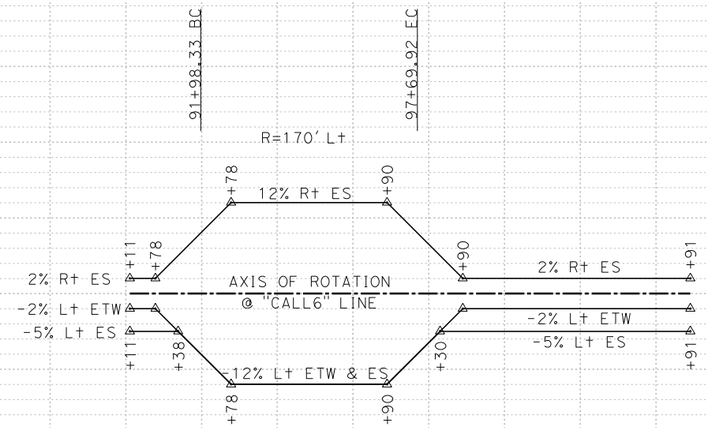
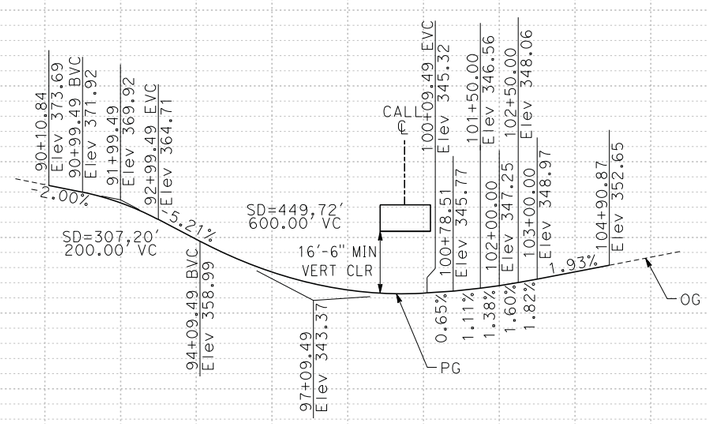
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"



PROFILE
CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-23

STATION	90+00	100+00	110+00	TOTAL
CY Exc				
CY Emb				

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LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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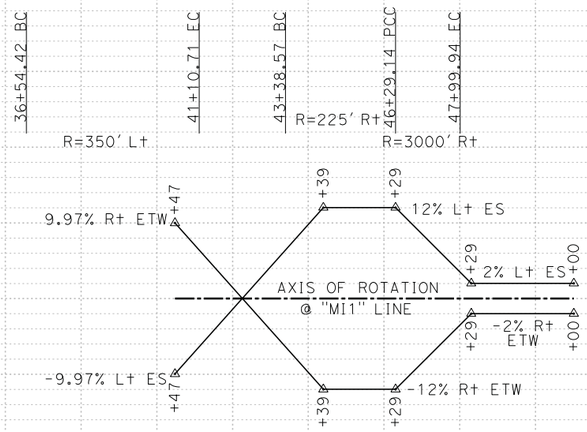
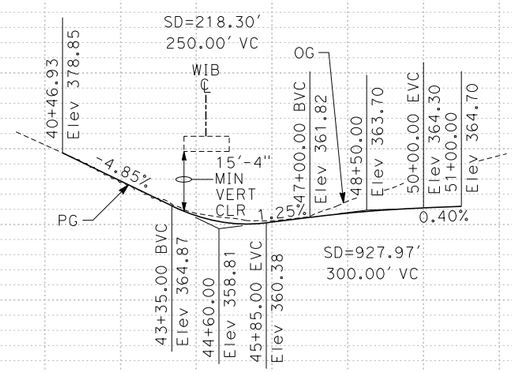
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

MING AVENUE
NB SR99 ON RAMP
"MI1"



PROFILE

MING AVENUE
NB SR99 ON RAMP
"MI1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-24

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

10% 5% 0% -5% -10% 460 440 420 400 380 360 340

STATION 40+00 50+00 TOTAL

CY Exc Emb

LAST REVISION 03-27-15 DATE PLOTTED => $DATE TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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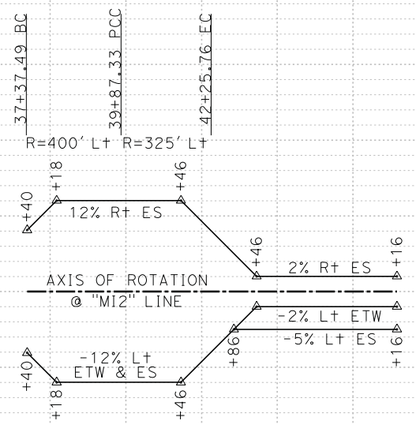
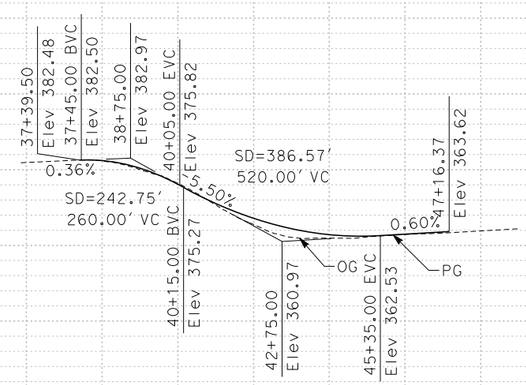
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 CD OFF RAMP
"MI2"



PROFILE
MING AVENUE
SB SR99 CD OFF RAMP
"MI2"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-25

STATION	30+00	40+00	50+00	TOTAL
CY Exc				
CY Emb				

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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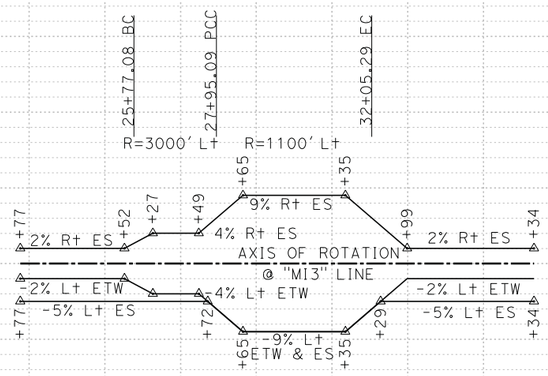
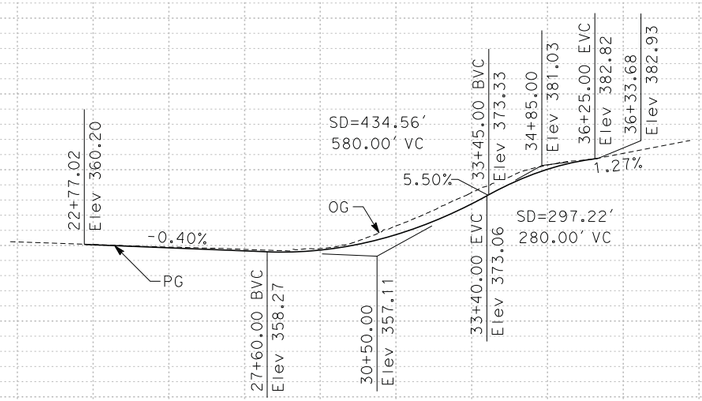
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

MING AVENUE
SB SR99 ON RAMP
"MI3"



PROFILE

MING AVENUE
SB SR99 ON RAMP
"MI3"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-26

STATION 25+00 35+00 TOTAL

CY Exc
Emb

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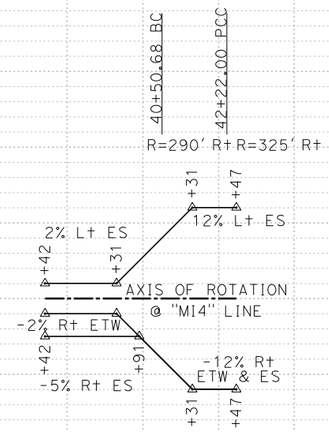
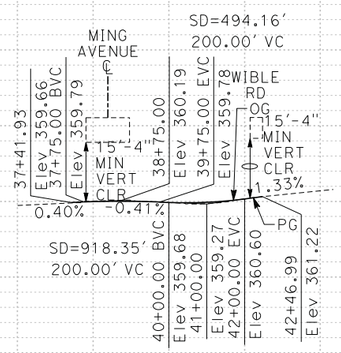
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
MING AVENUE
NB SR99 LOOP OFF RAMP
"MI4"



PROFILE
MING AVENUE
NB SR99 LOOP OFF RAMP
"MI4"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-27

STATION	30+00	40+00	50+00	TOTAL
CY Exc				
CY Emb				

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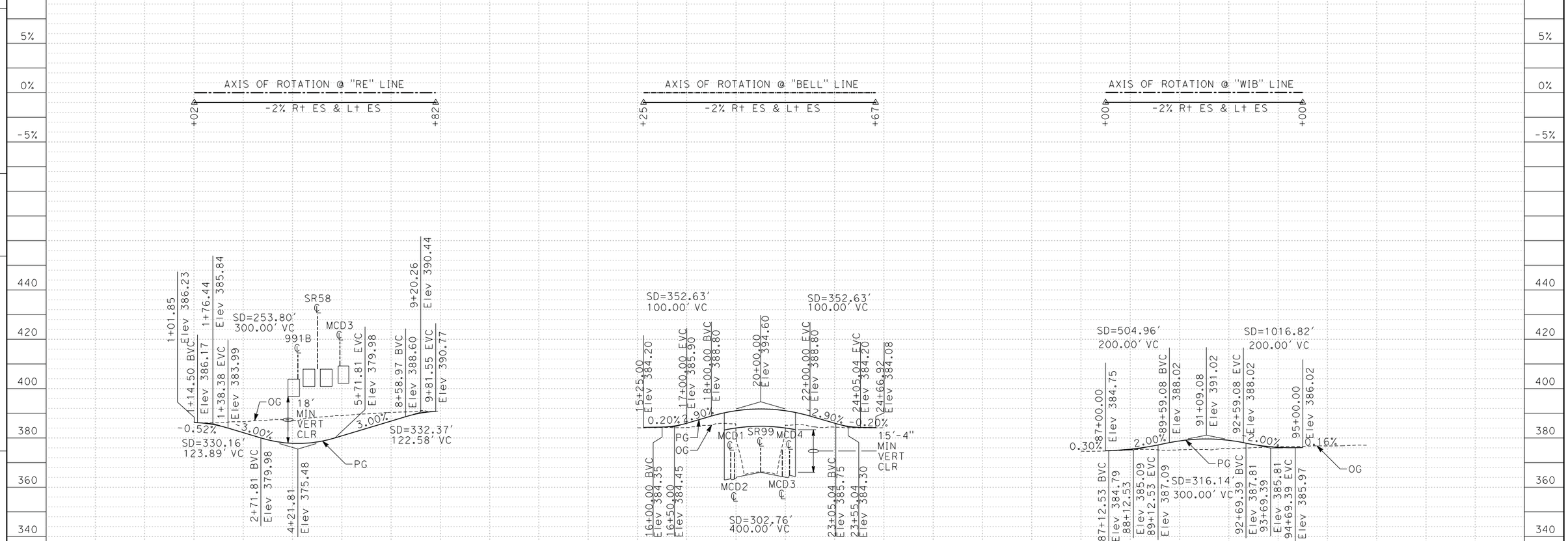

PROFILE
REAL ROAD UC
"RE"

PROFILE
BELLE TERRACE
"BELL"

PROFILE
WIBLE ROAD
"WIB"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-28

STATION	0+00	10+00	15+00	25+00	90+00	100+00	TOTAL
CY Exc							
CY Emb							

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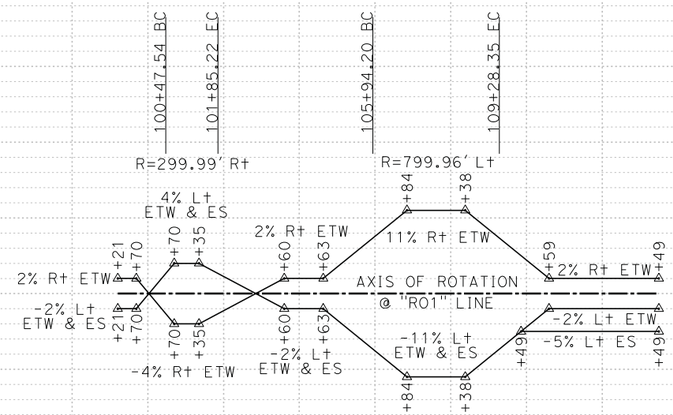
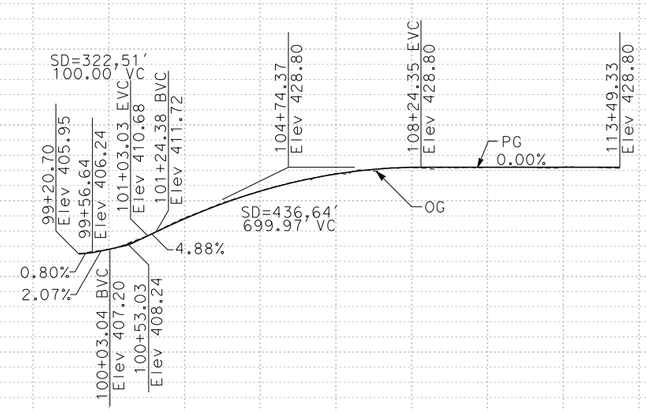


SUPERELEVATION DIAGRAM
ROSEDALE HIGHWAY
SB SR99 OFF RAMP
"RO1"



PROFILE
ROSEDALE HIGHWAY
SB SR99 OFF RAMP
"RO1"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-29

STATION	100+00	110+00	120+00	TOTAL
CY Exc				
CY Emb				

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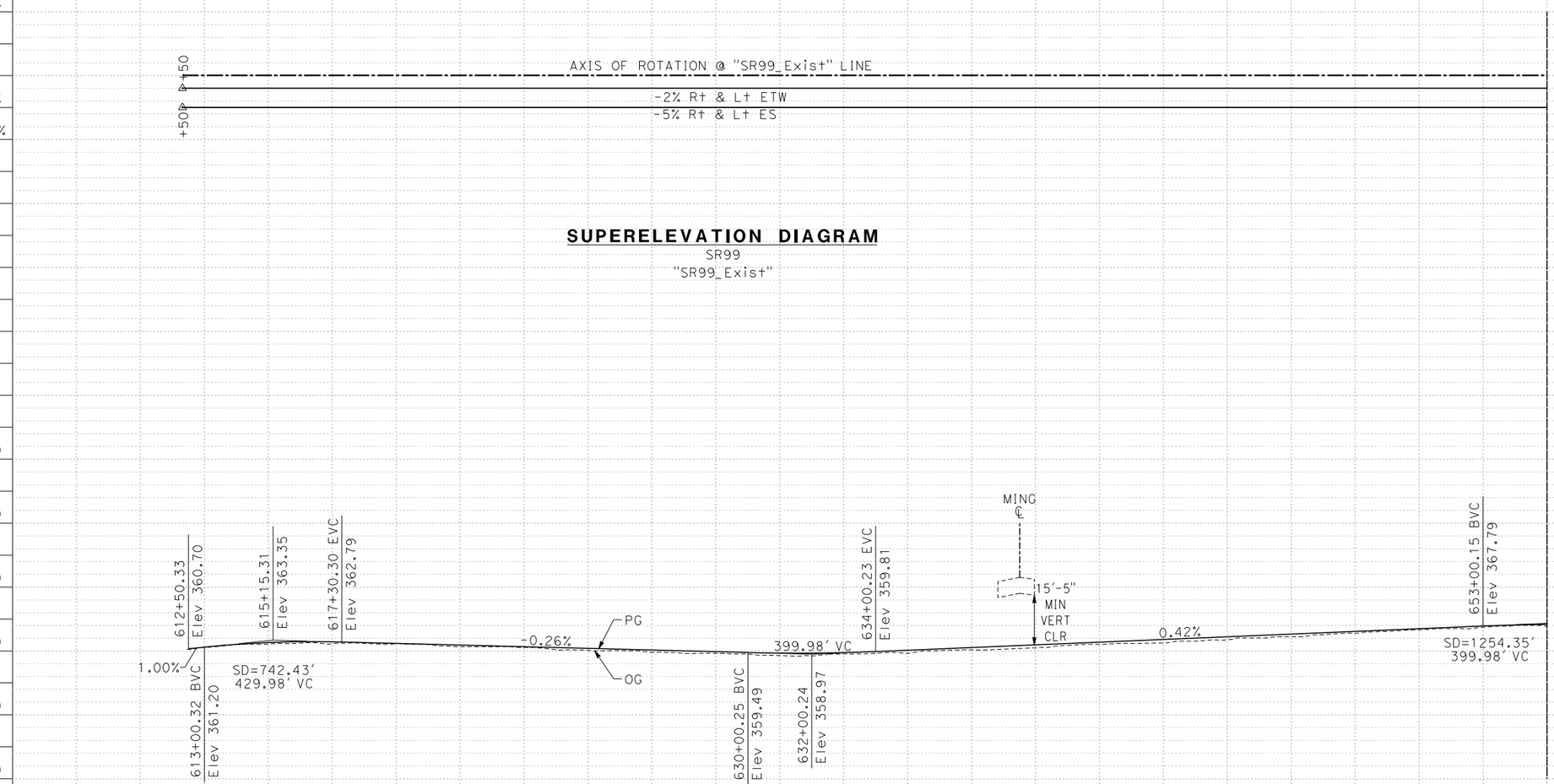

SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-30

STATION		615+00	620+00	625+00	630+00	635+00	640+00	645+00	650+00	655+00	TOTAL
CY	Exc										
	Emb										

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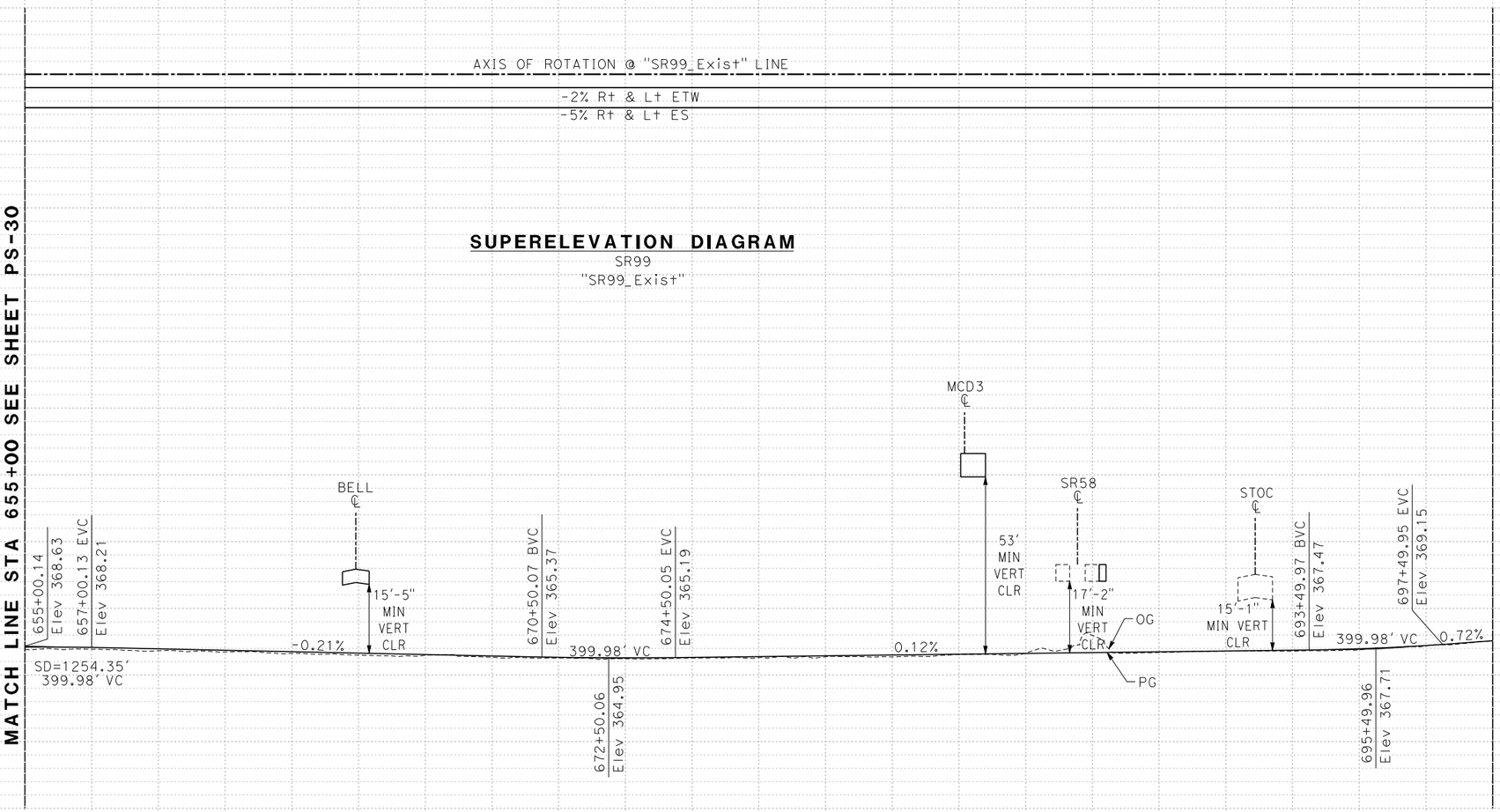

SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-31

STATION	655+00	660+00	665+00	670+00	675+00	680+00	685+00	690+00	695+00	TOTAL
CY Exc										
CY Emb										

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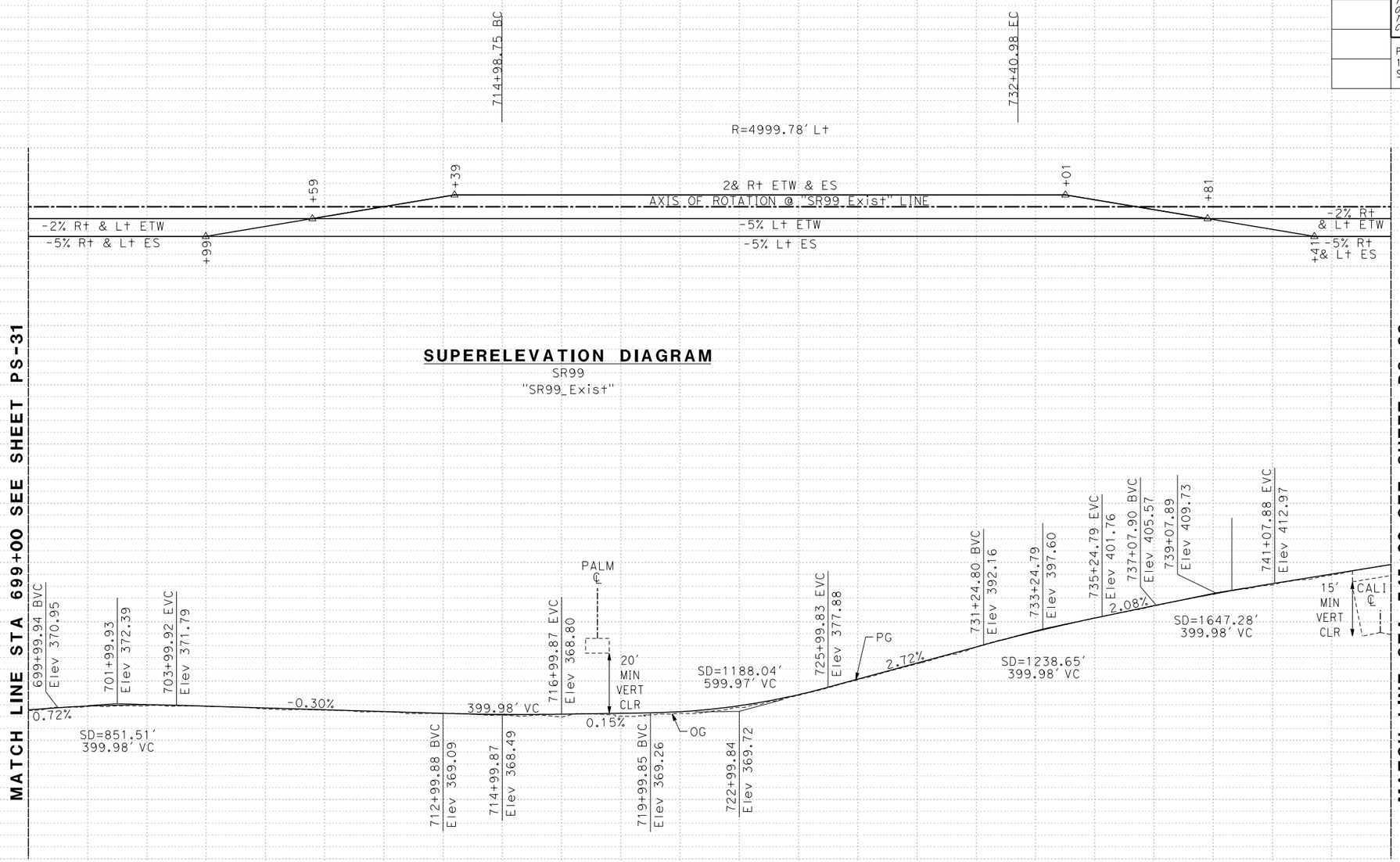
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-32

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TIME PLOTTED => $TIME

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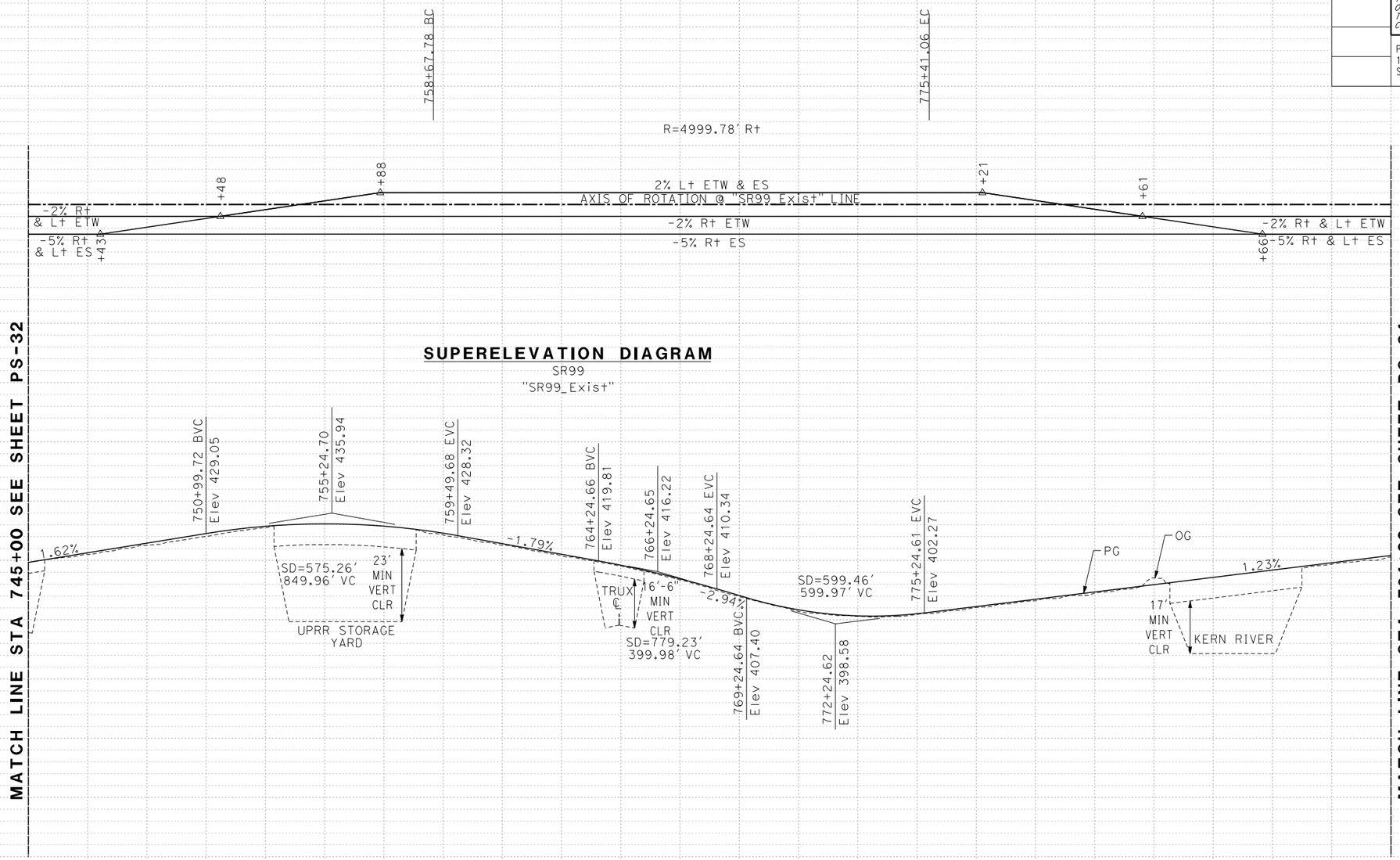

SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

STATION	745+00	755+00	765+00	775+00	785+00	TOTAL
CY Exc						
CY Emb						

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-33

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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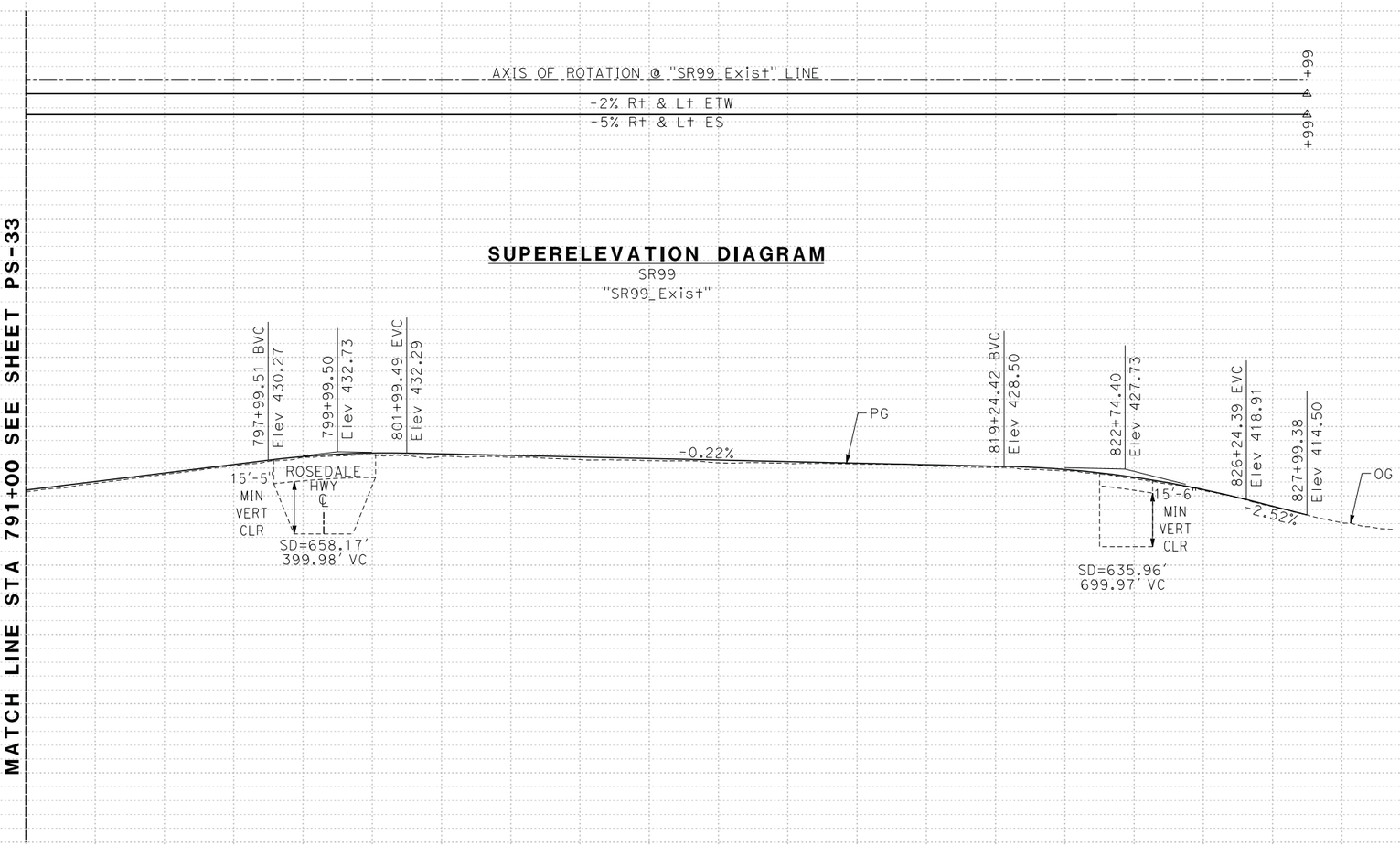

SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

10% 5% 0% -5% -10%

460 440 420 400 380 360 340 320 300

STATION	795+00	805+00	815+00	825+00	835+00	TOTAL
CY Exc						
CY Emb						

ALTERNATIVE A PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-34

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NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

STRUCTURAL SYSTEMS	
1 0.85′ JPCP 0.35′ LCB	SR-58 AND SR-99 TRAVELED WAY
2 0.50′ HMA (TYPE A) 0.65′ CL2-AB	RAMP TRAVELED WAY/SHOULDERS SR-58 AND SR-99 SHOULDERS LOCAL STREETS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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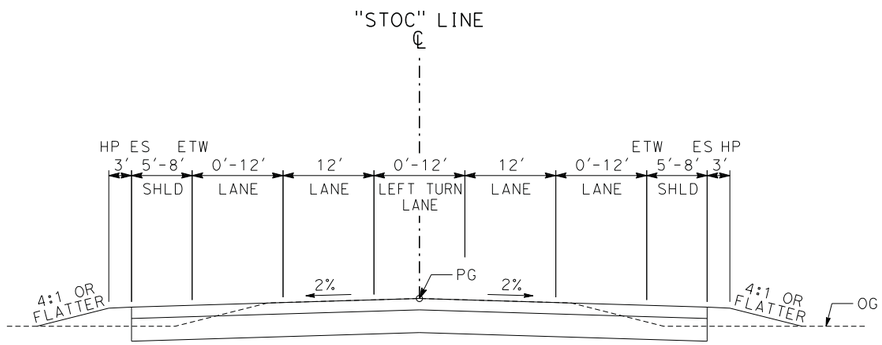
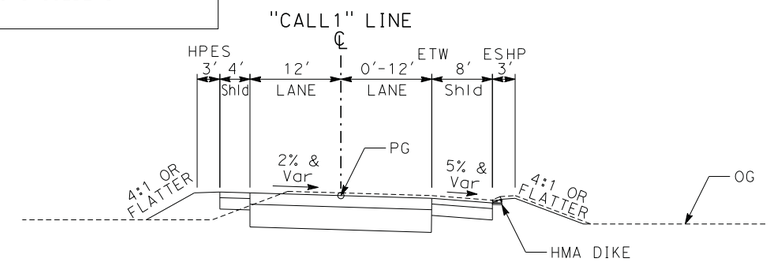


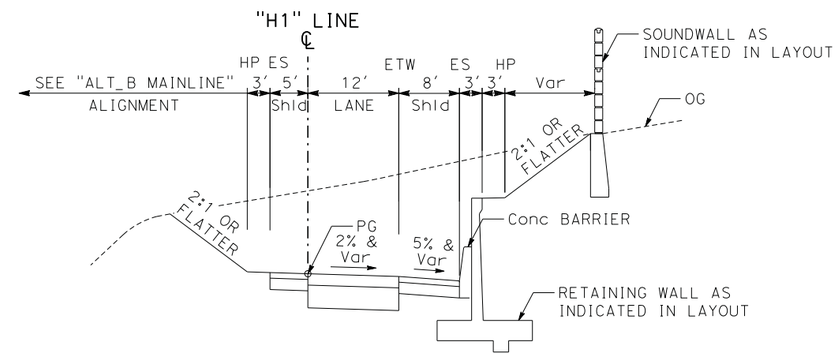
"STOC" STOCKDALE HWY

Sta 10+72 TO Sta 42+93



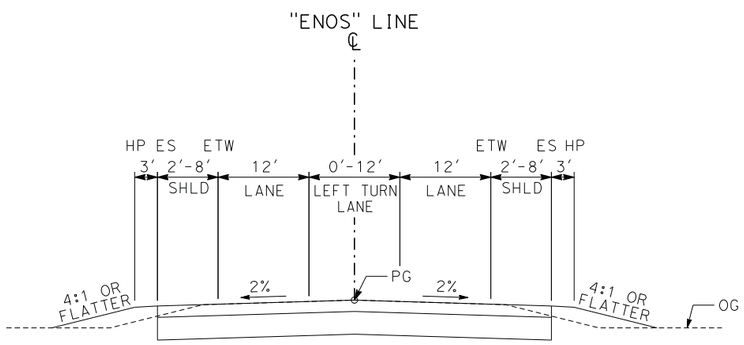
"CALL1" WB SR-58 OFF RAMP

Sta 105+55 TO Sta 114+91



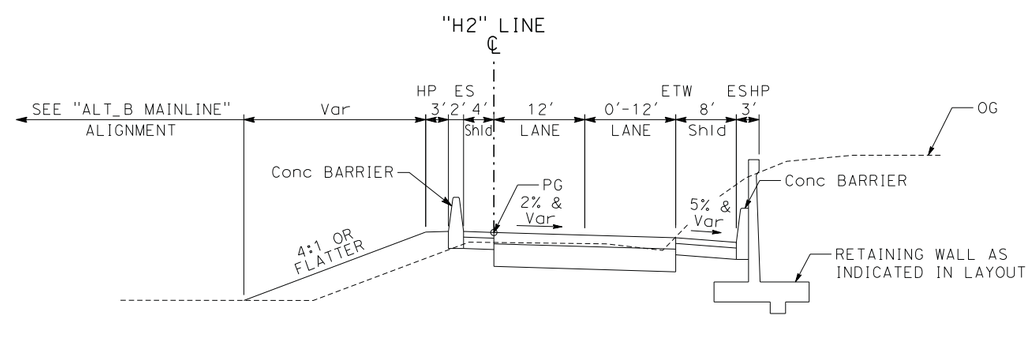
"H1" EB SR-58 OFF RAMP

Sta 91+93 TO Sta 122+73



"ENOS" ENOS LANE

Sta 10+97 TO Sta 36+53



"H2" EB SR-58 OFF RAMP

Sta 162+50 TO Sta 177+66

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-1

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SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

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TIME PLOTTED => $TIME

NOTES:

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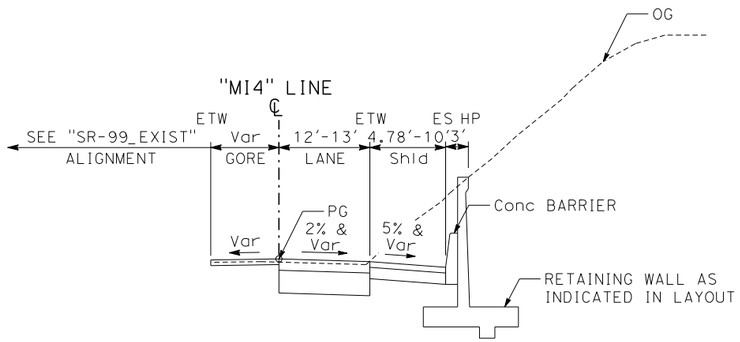
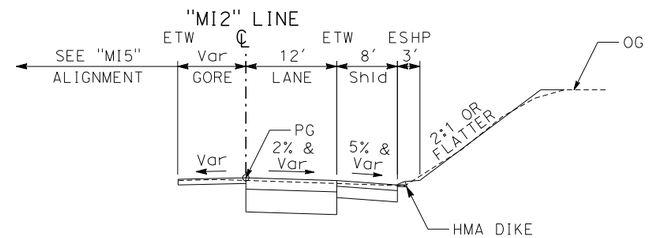


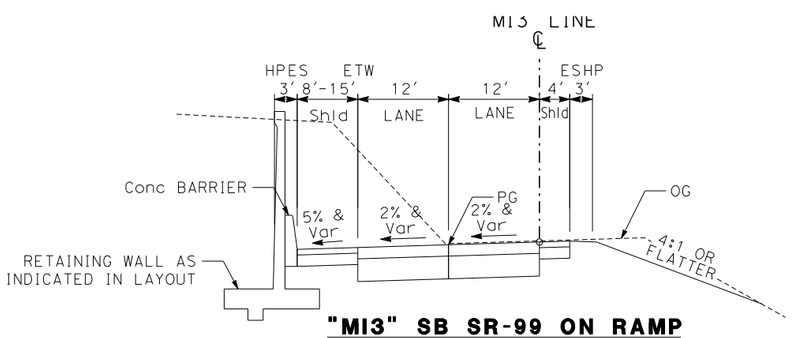
"MI4" NB SR-99 OFF RAMP

Sta 37+42 TO Sta 42+70



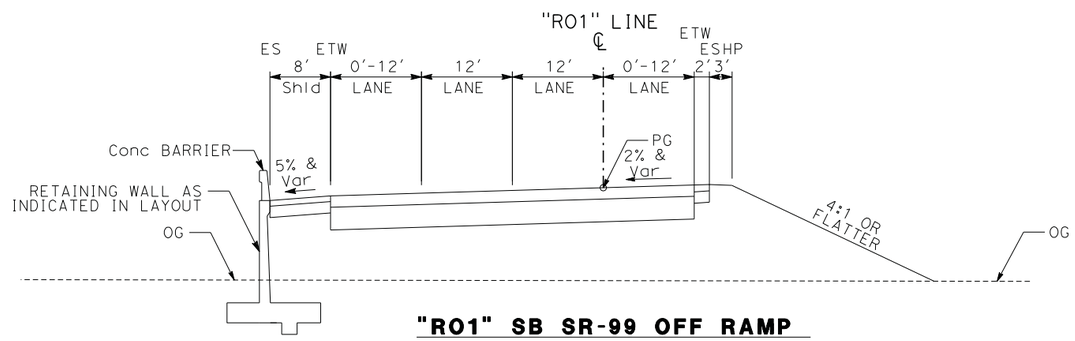
"MI2" SB SR-99 OFF RAMP

Sta 40+19 TO Sta 47+16



"MI3" SB SR-99 ON RAMP

Sta 22+00 TO Sta 32+70



"RO1" SB SR-99 OFF RAMP

Sta 100+11 TO Sta 113+49

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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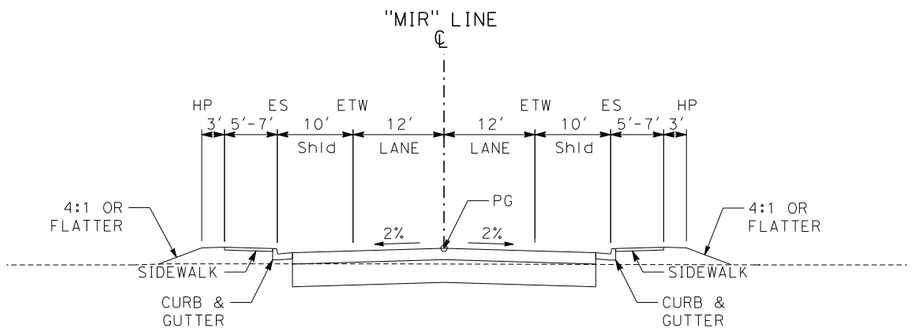
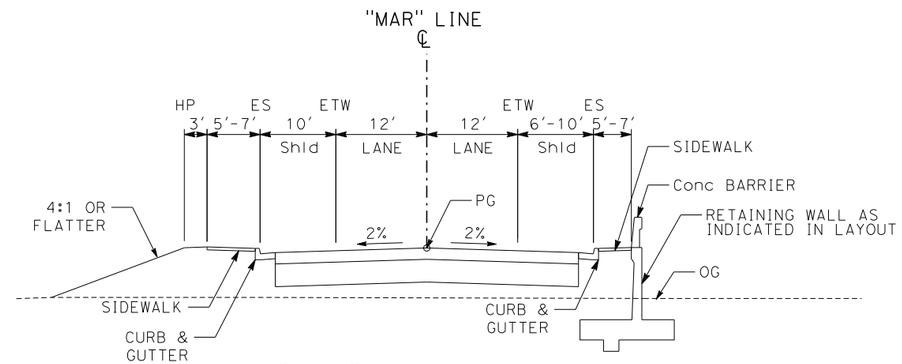
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



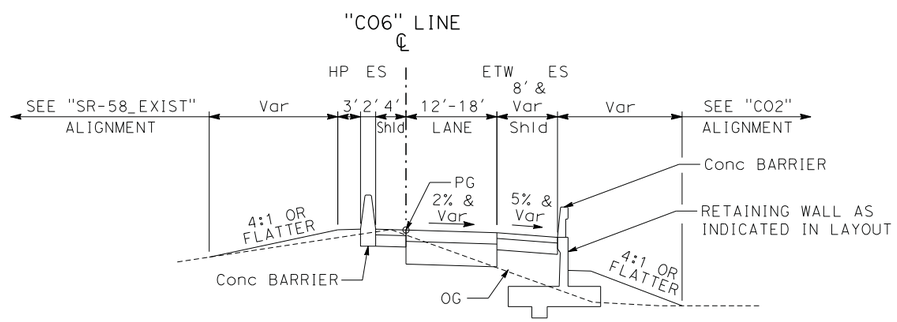
"MIR" LA MIRADA DRIVE

Sta 2+60 TO Sta 16+44



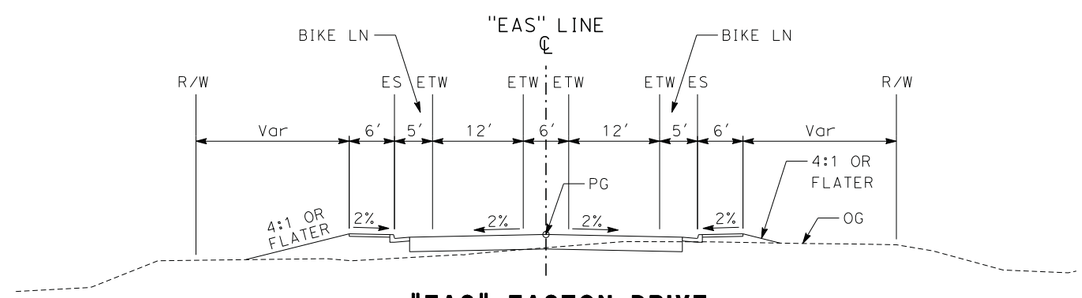
"MAR" MARELLA WAY

Sta 6+03 TO Sta 14+00



"CO6" EB SR-58 CD ON RAMP

Sta 69+21 TO Sta 91+75



"EAS" EASTON DRIVE

Sta 10+00 TO Sta 16+47.07

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-3

REVISED BY | DATE REVISED

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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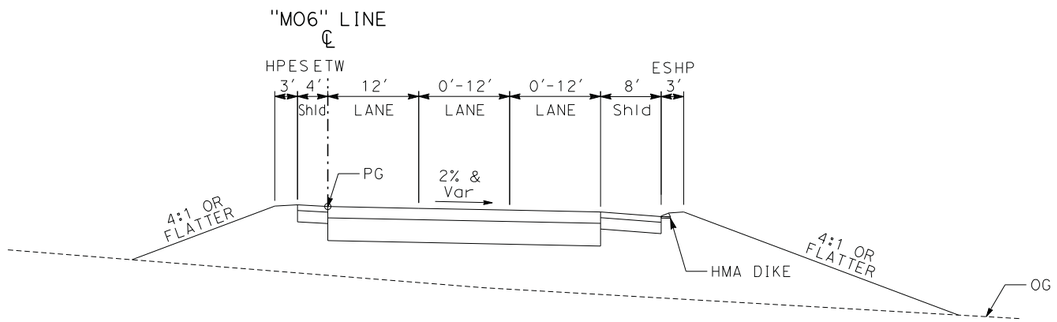
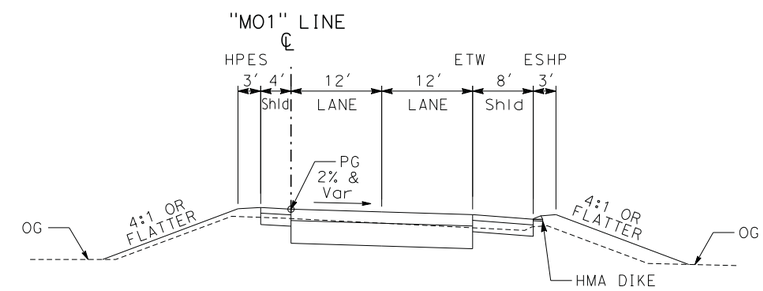
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



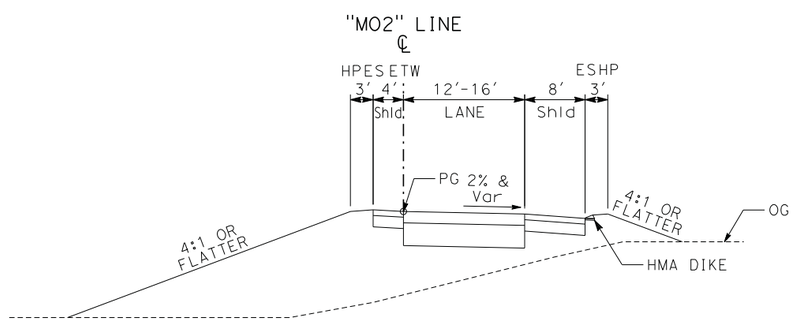
"MO6" WB SR-58 OFF RAMP

Sta 59+87 TO Sta 89+00



"MO1" EB SR-58 OFF RAMP

Sta 440+98 TO Sta 447+58



"MO2" EB SR-58 LOOP ON RAMP

Sta 443+45 TO Sta 452+63

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-4

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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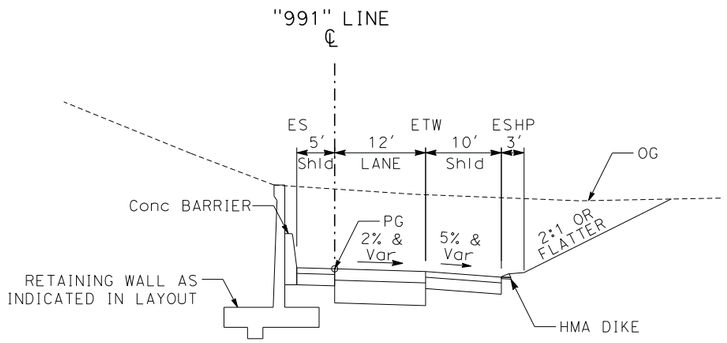
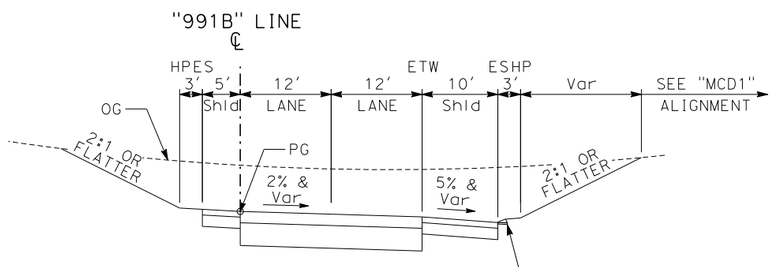
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



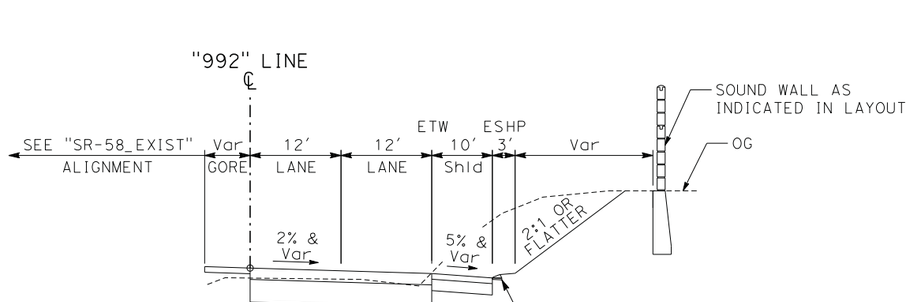
"991" SB SR-99 CONNECTOR

Sta 68+00 TO Sta 101+23



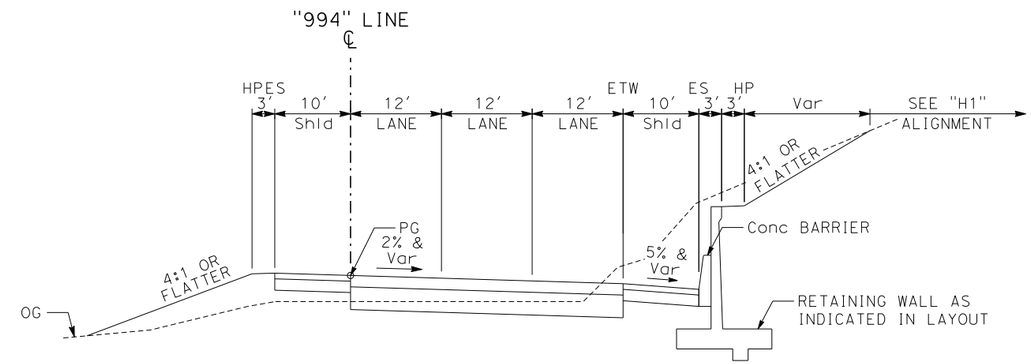
"991B" SB SR-99 CONNECTOR

Sta 73+75 TO Sta 100+28



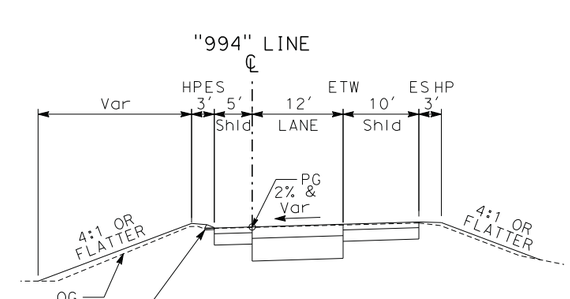
"992" NB SR-99 CONNECTOR

Sta 43+00 TO Sta 48+14



"994" EB SR-58 CONNECTOR

Sta 100+32 TO Sta 117+74



"994" EB SR-58 CONNECTOR

Sta 91+89 TO Sta 100+32

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-5

REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => × $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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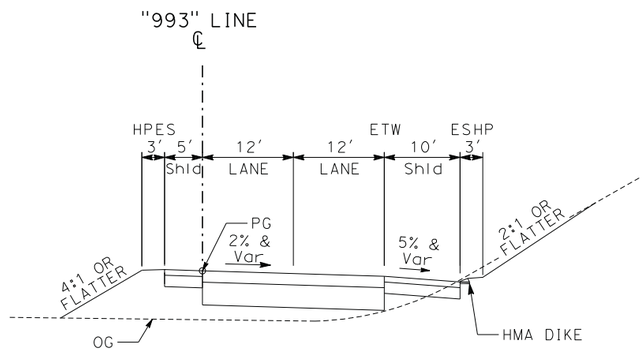
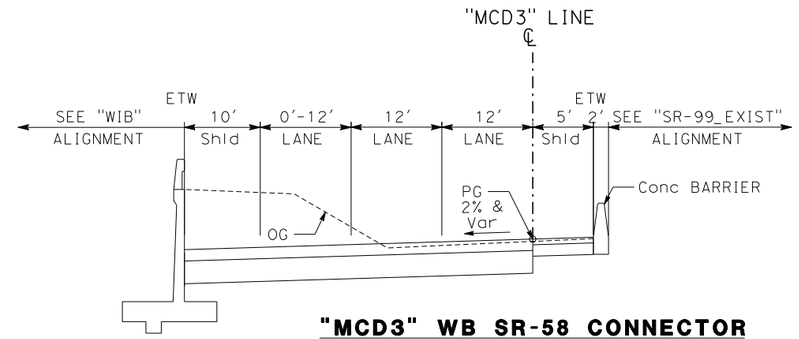
BAKERSFIELD, CALIFORNIA 93301



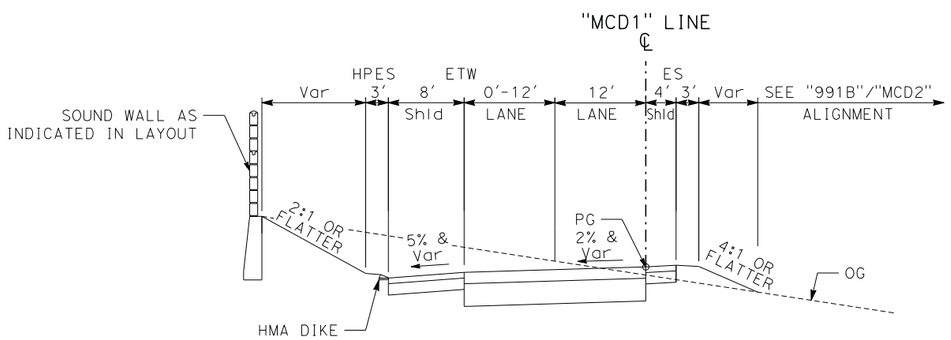
"993" WB SR-58 CONNECTOR

Sta 174+41 TO Sta 200+32



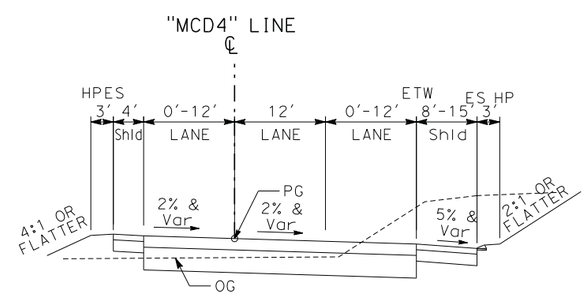
"MCD3" WB SR-58 CONNECTOR

STA 54+90 TO STA 116+12



"MCD1" EB SR-58 OFF RAMP

Sta 63+14 TO Sta 92+10



"MCD4" NB SR-99 CD ON RAMP

Sta 63+59 TO Sta 90+11

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-6

REVISED BY	DATE REVISED

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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PARSONS
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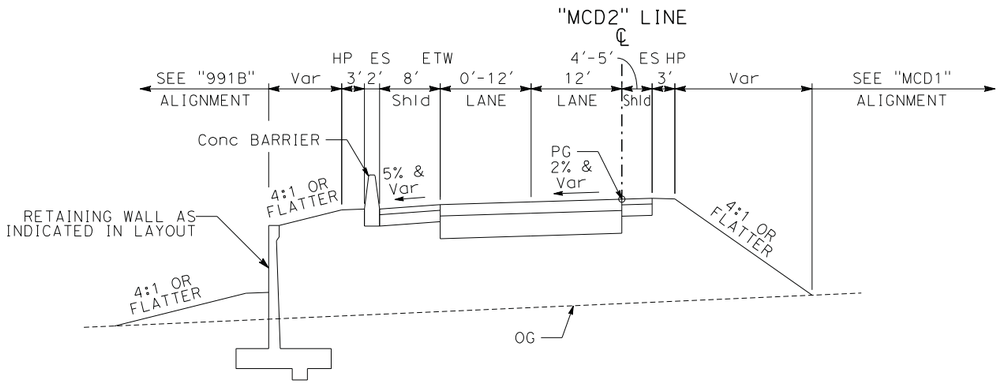
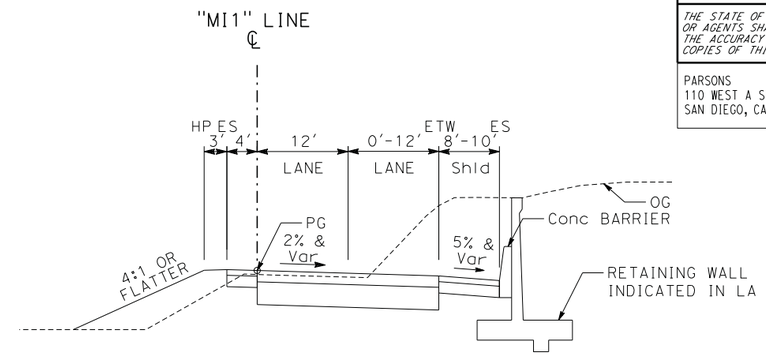
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



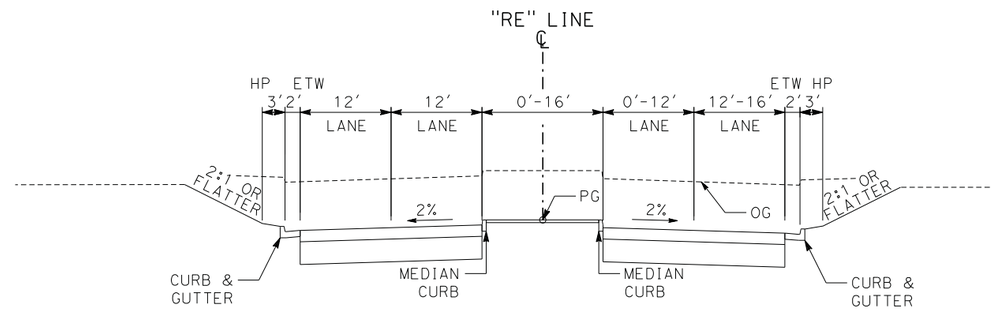
"MCD2" SB SR-99 OFF RAMP

Sta 63+14 TO Sta 89+48



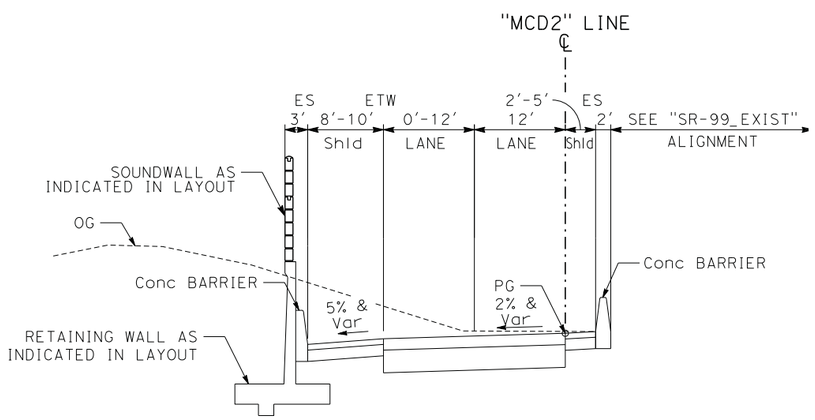
"MI1" EB SR-58 CD ON RAMP

STA 35+69 TO STA 51+00



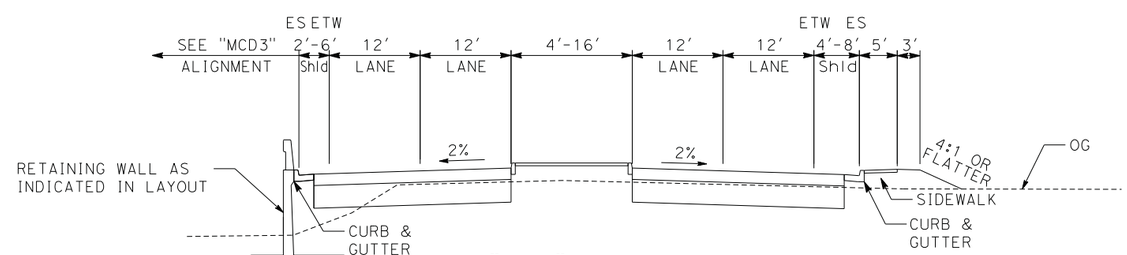
"RE" REAL RD

STA 5+49 TO STA 74+05



"MCD2" SB SR-99 OFF RAMP

Sta 39+50 TO Sta 63+14



"WIB" WIBLE RD

STA 78+50 TO STA 97+47

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-7

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name =>> x $PLTDRVS$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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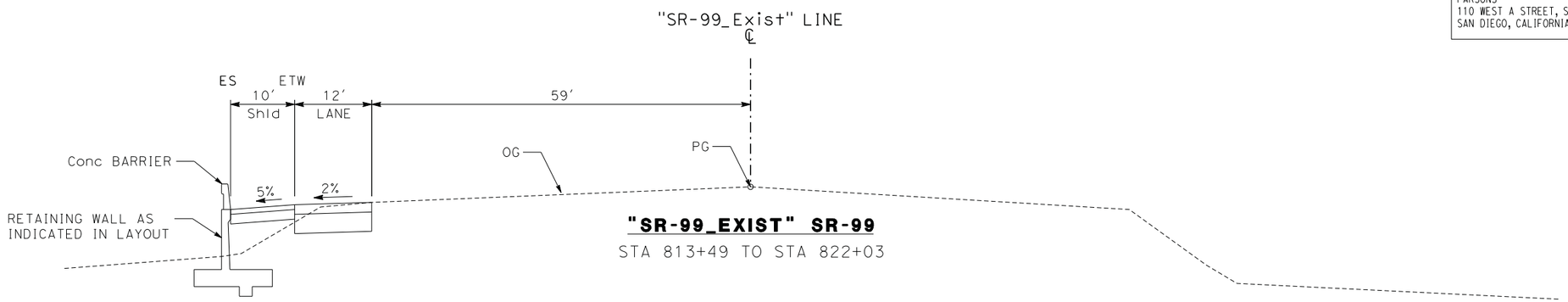
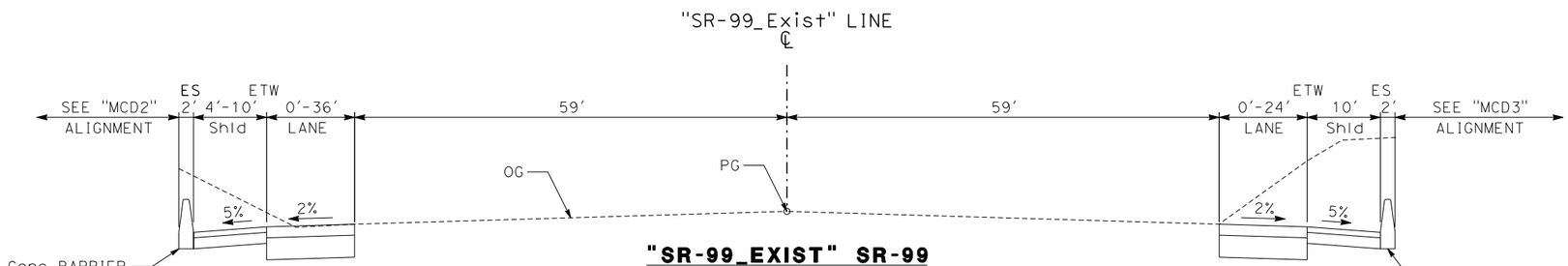
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



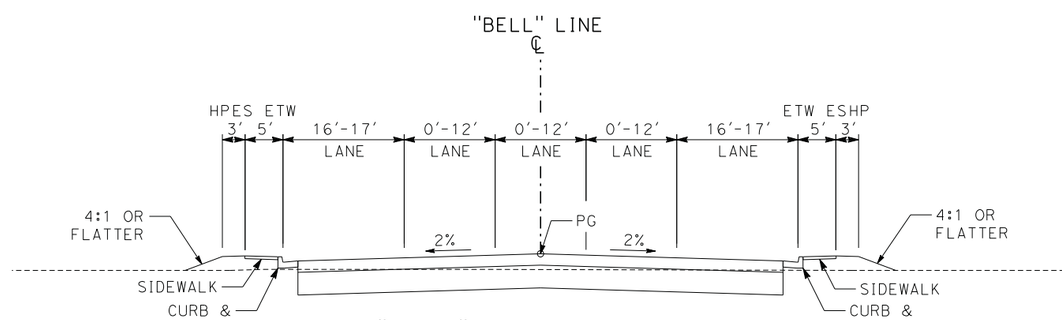
"SR-99_EXIST" SR-99

STA 813+49 TO STA 822+03



"SR-99_EXIST" SR-99

STA 614+42 TO STA 694+65



"BELL" BELLE TERRACE

STA 14+86 TO STA 24+05

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-8

REVISED BY | DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => x $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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THOMAS ROAD IMPROVEMENT PROGRAM
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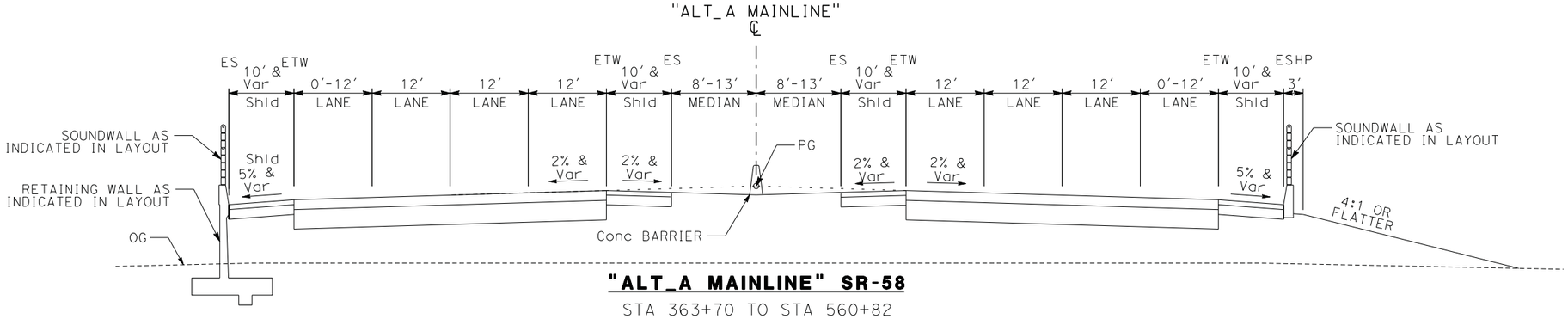
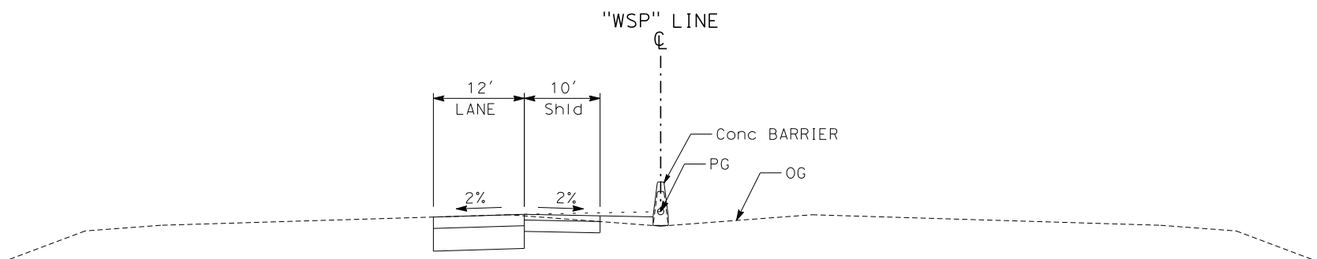
BAKERSFIELD, CALIFORNIA 93301



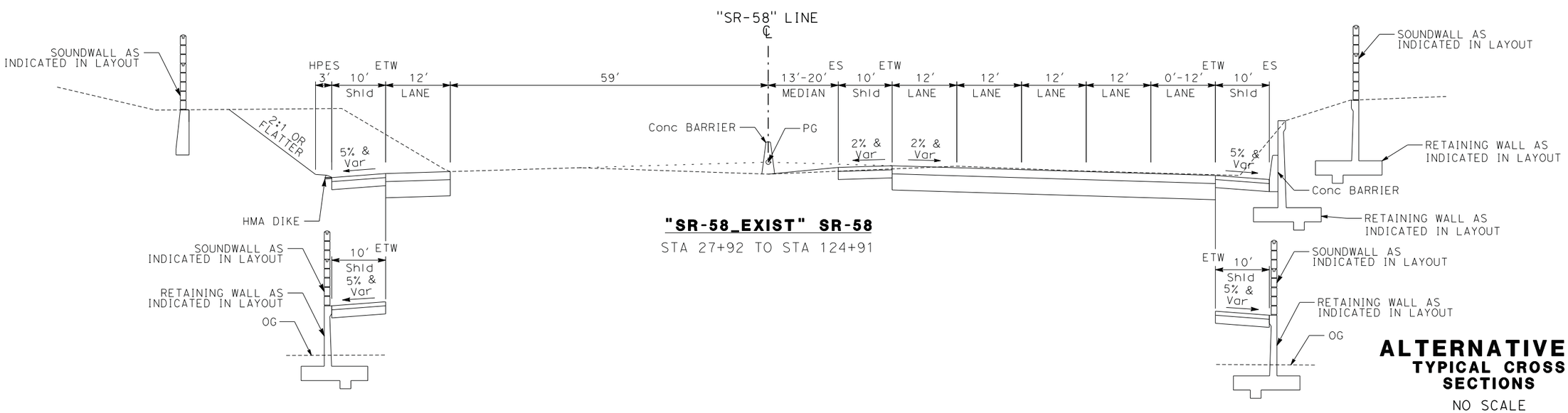
"ALT_A MAINLINE" SR-58

STA 363+70 TO STA 560+82



"WSP" SR-58

Sta 288+30 TO Sta 363+70



"SR-58_EXIST" SR-58

STA 27+92 TO STA 124+91

ALTERNATIVE B
TYPICAL CROSS SECTIONS

NO SCALE

X-9

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

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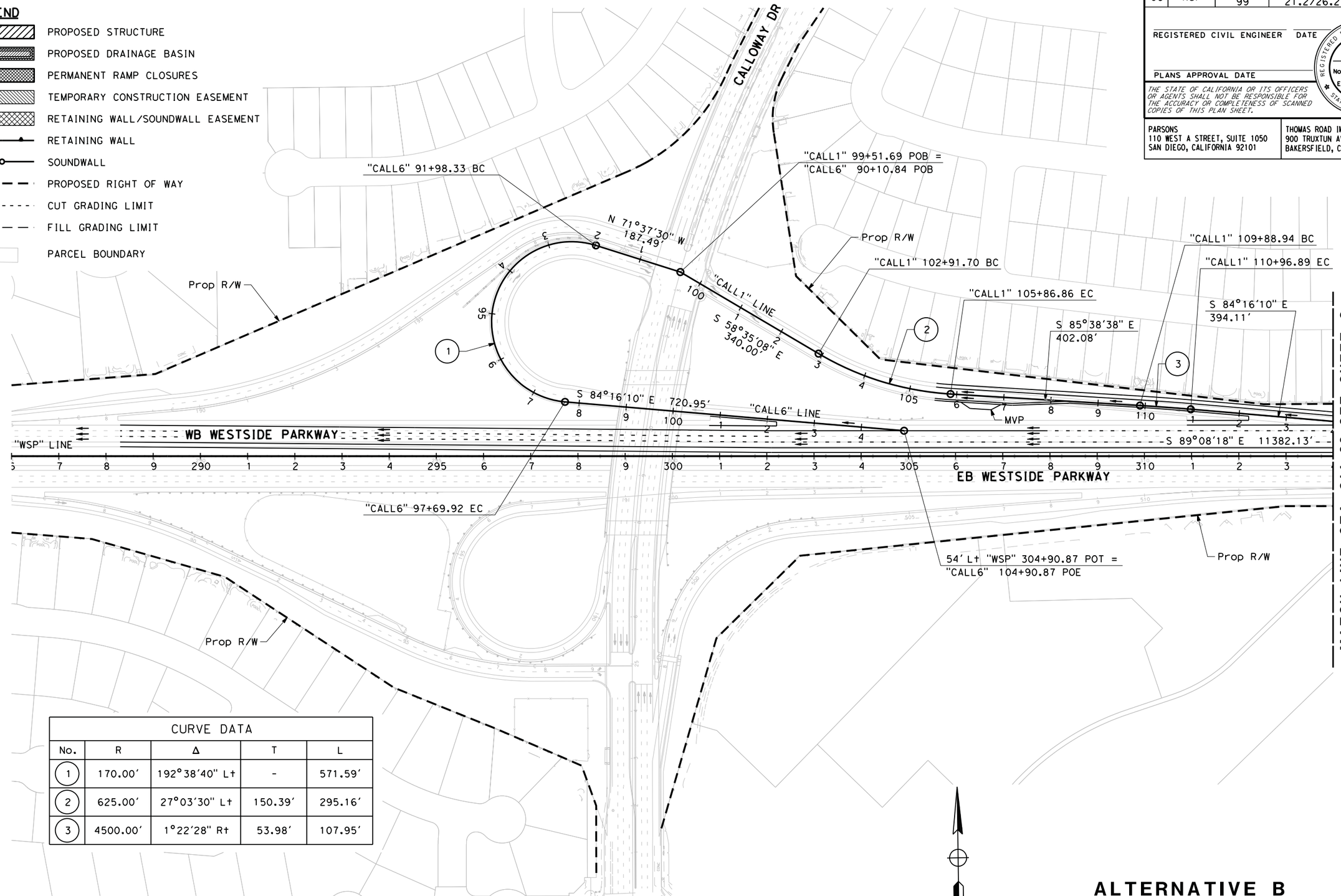
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

LEGEND

- PROPOSED STRUCTURE
- PROPOSED DRAINAGE BASIN
- PERMANENT RAMP CLOSURES
- TEMPORARY CONSTRUCTION EASEMENT
- RETAINING WALL/SOUNDWALL EASEMENT
- RETAINING WALL
- SOUNDWALL
- PROPOSED RIGHT OF WAY
- CUT GRADING LIMIT
- FILL GRADING LIMIT
- PARCEL BOUNDARY



CURVE DATA				
No.	R	Δ	T	L
1	170.00'	192°38'40" Lt	-	571.59'
2	625.00'	27°03'30" Lt	150.39'	295.16'
3	4500.00'	1°22'28" Rt	53.98'	107.95'

ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-1

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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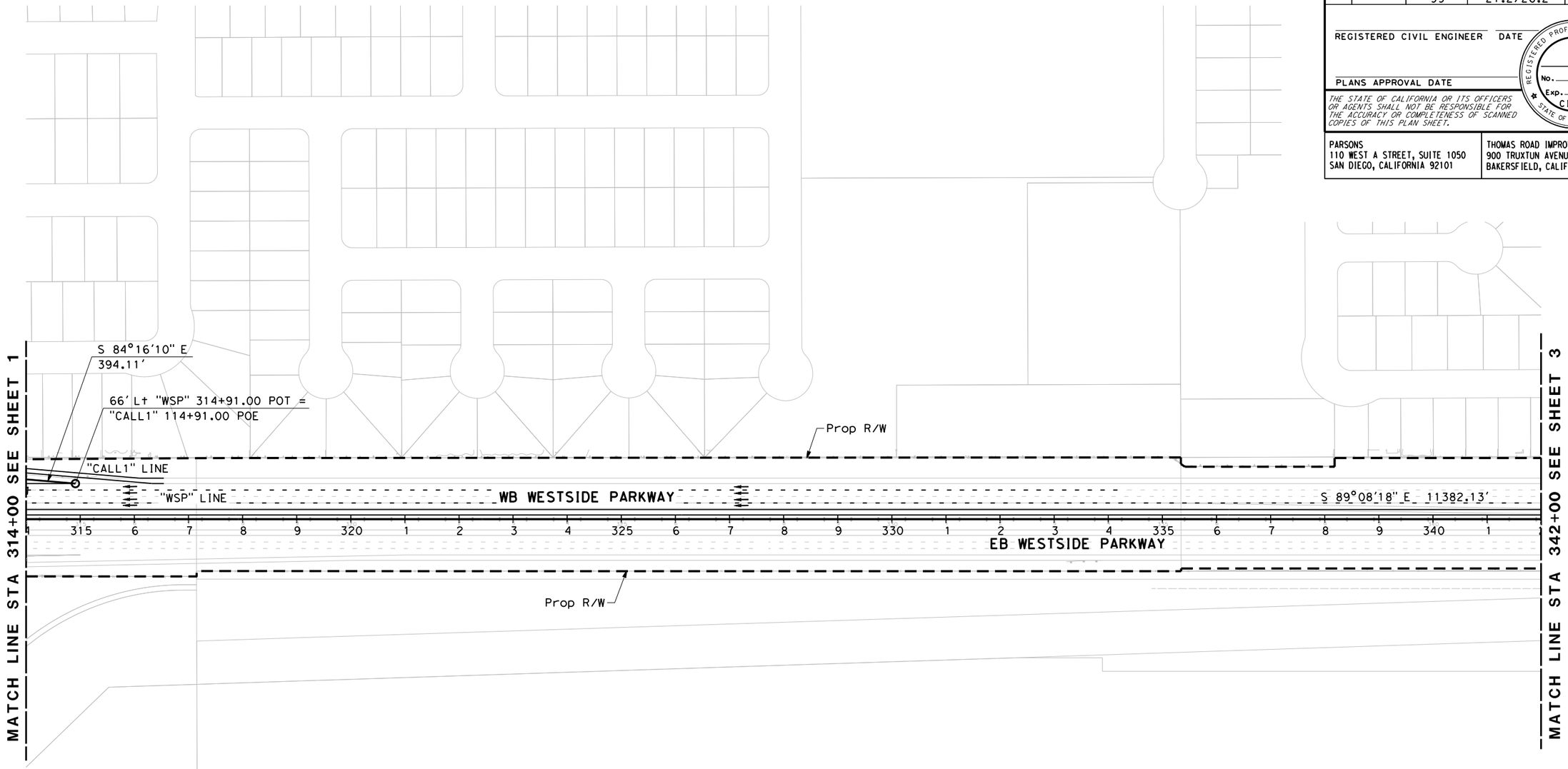
PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-2

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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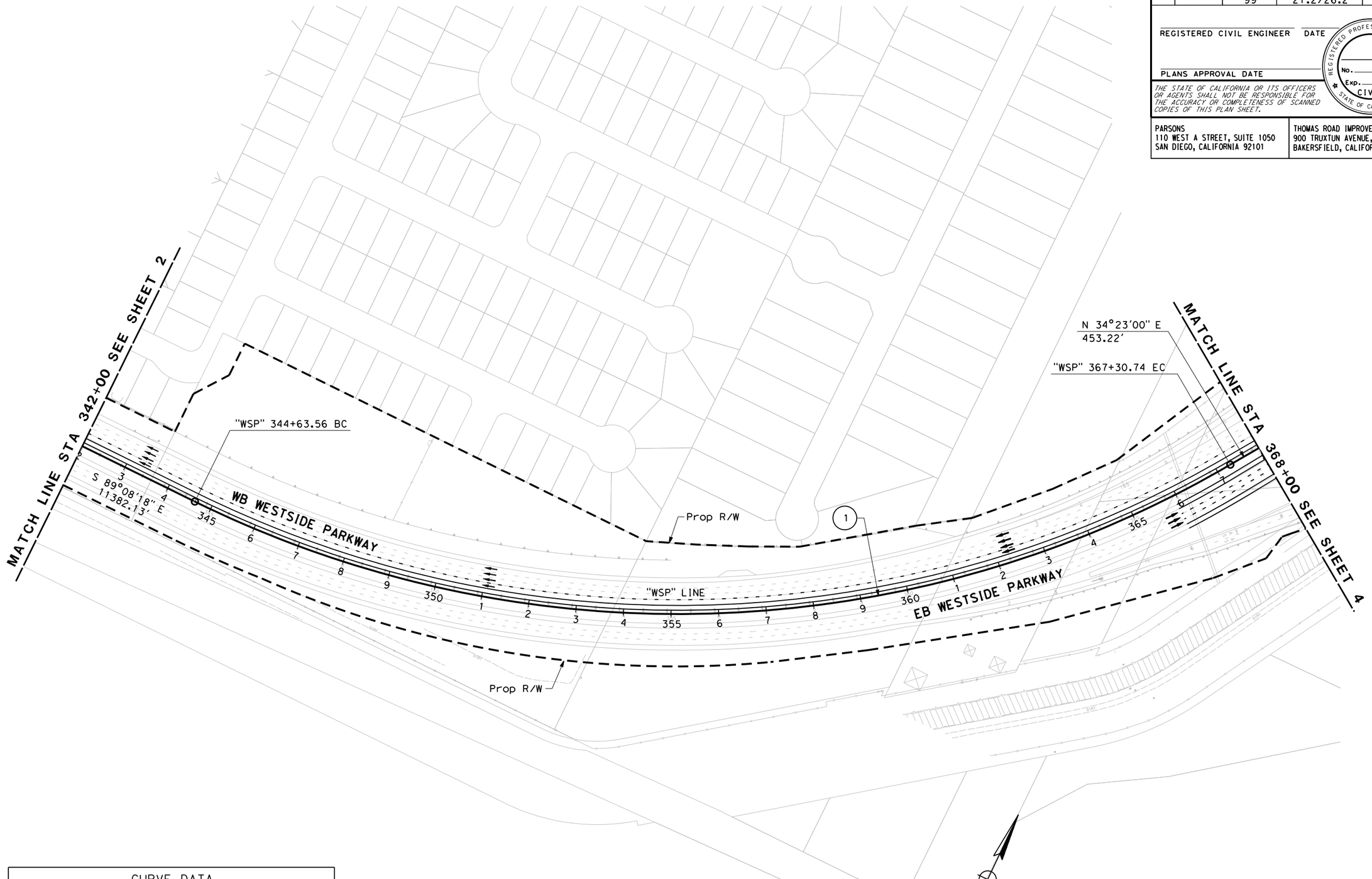
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	2300.00′	56°28′42″ Lt	1235.27′	2267.19′

ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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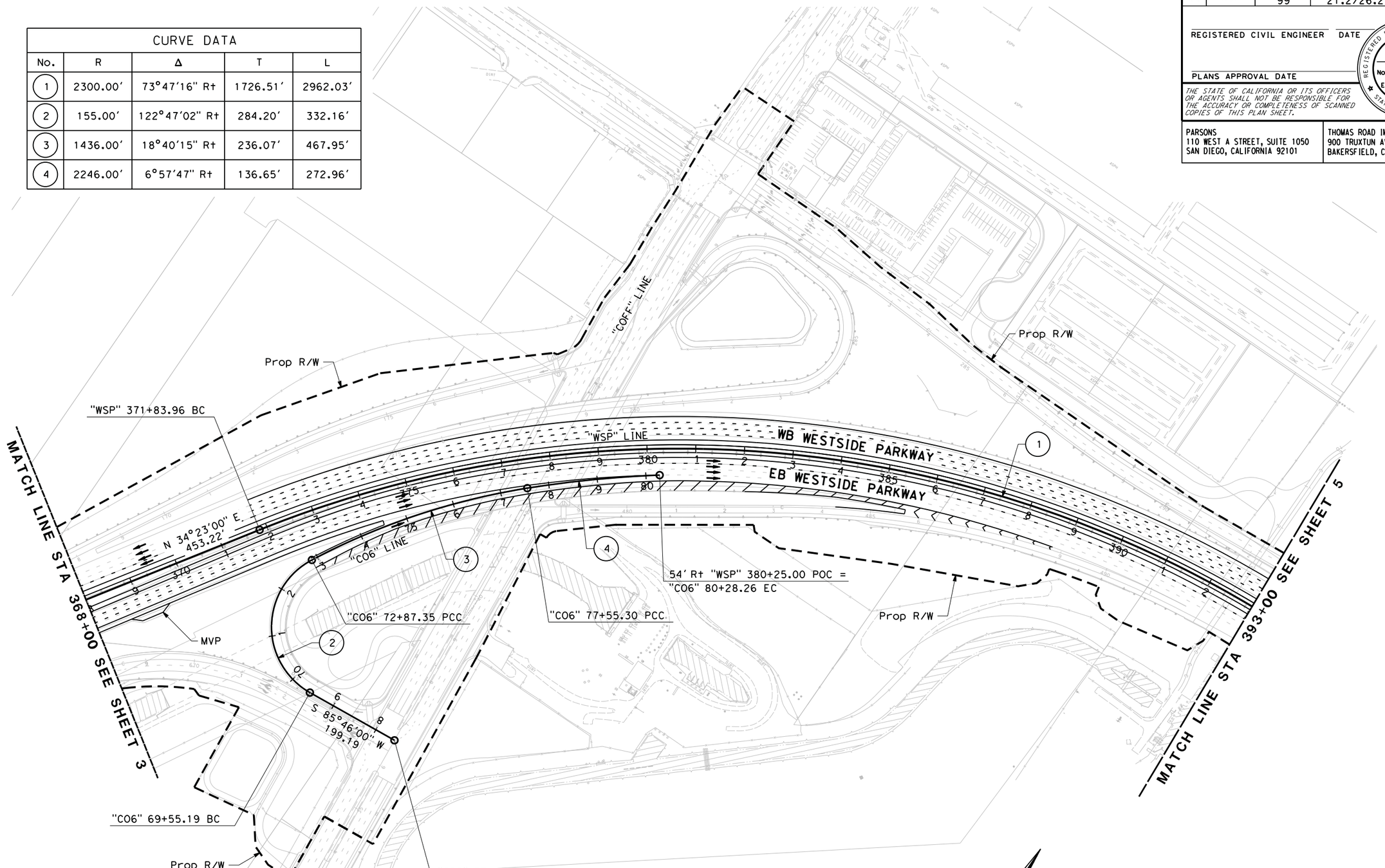
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	2300.00′	73°47′16″ Rt	1726.51′	2962.03′
2	155.00′	122°47′02″ Rt	284.20′	332.16′
3	1436.00′	18°40′15″ Rt	236.07′	467.95′
4	2246.00′	6°57′47″ Rt	136.65′	272.96′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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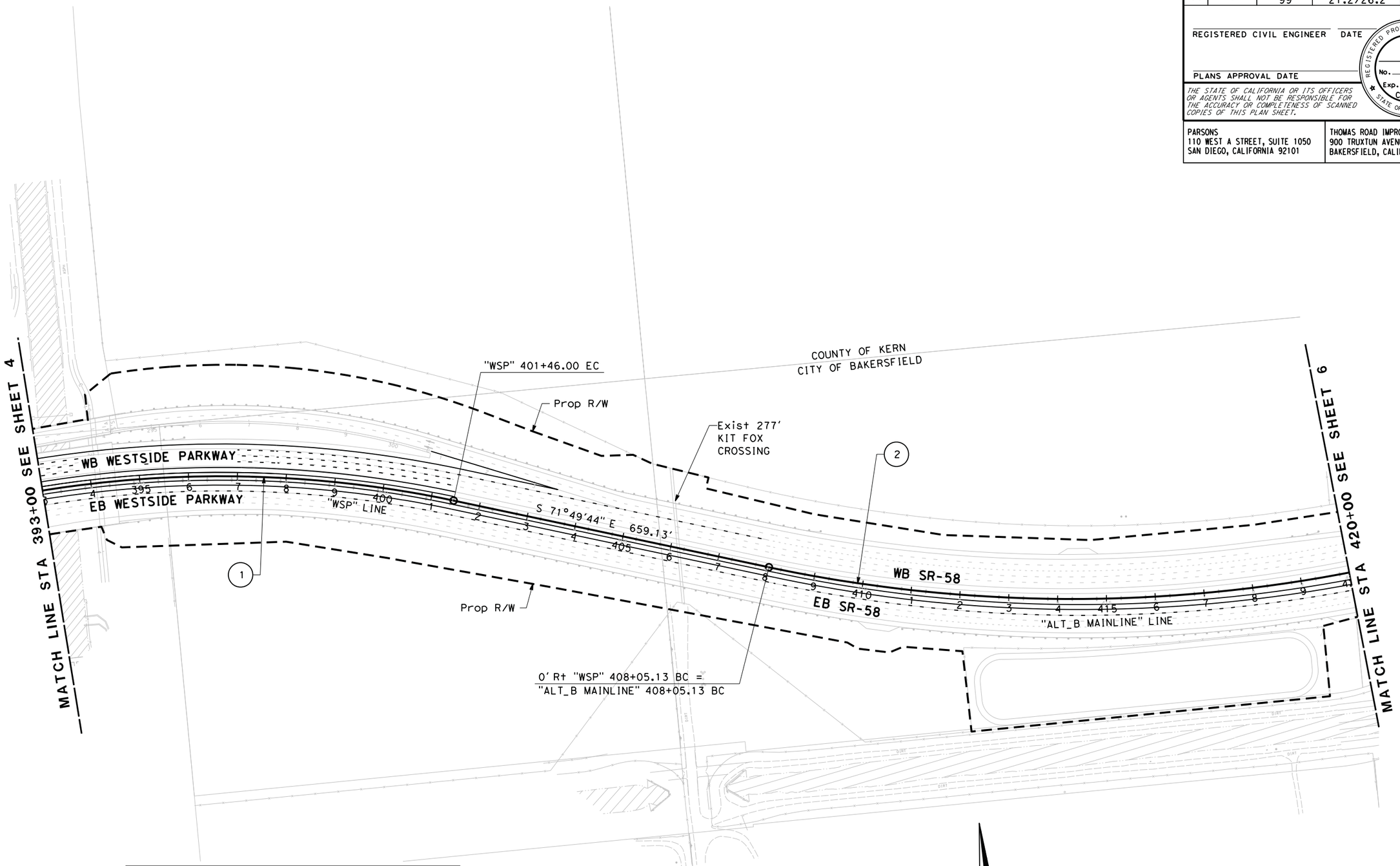
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	2300.00'	73°47'16" Rt	1726.51'	2962.03'
2	3000.00'	45°28'38" Lt	1257.31'	2381.19'

ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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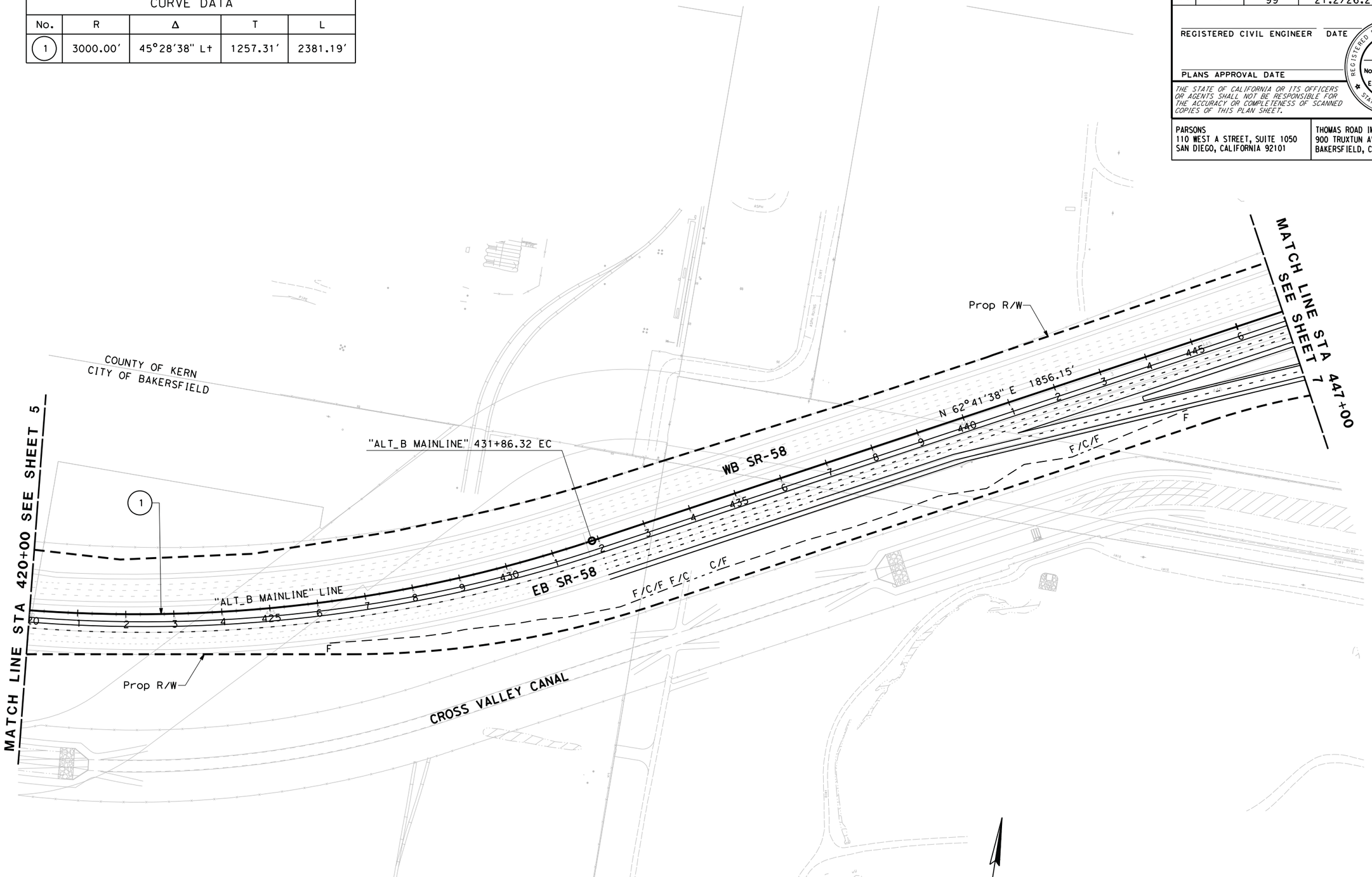
PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	3000.00′	45°28′38″ Lt	1257.31′	2381.19′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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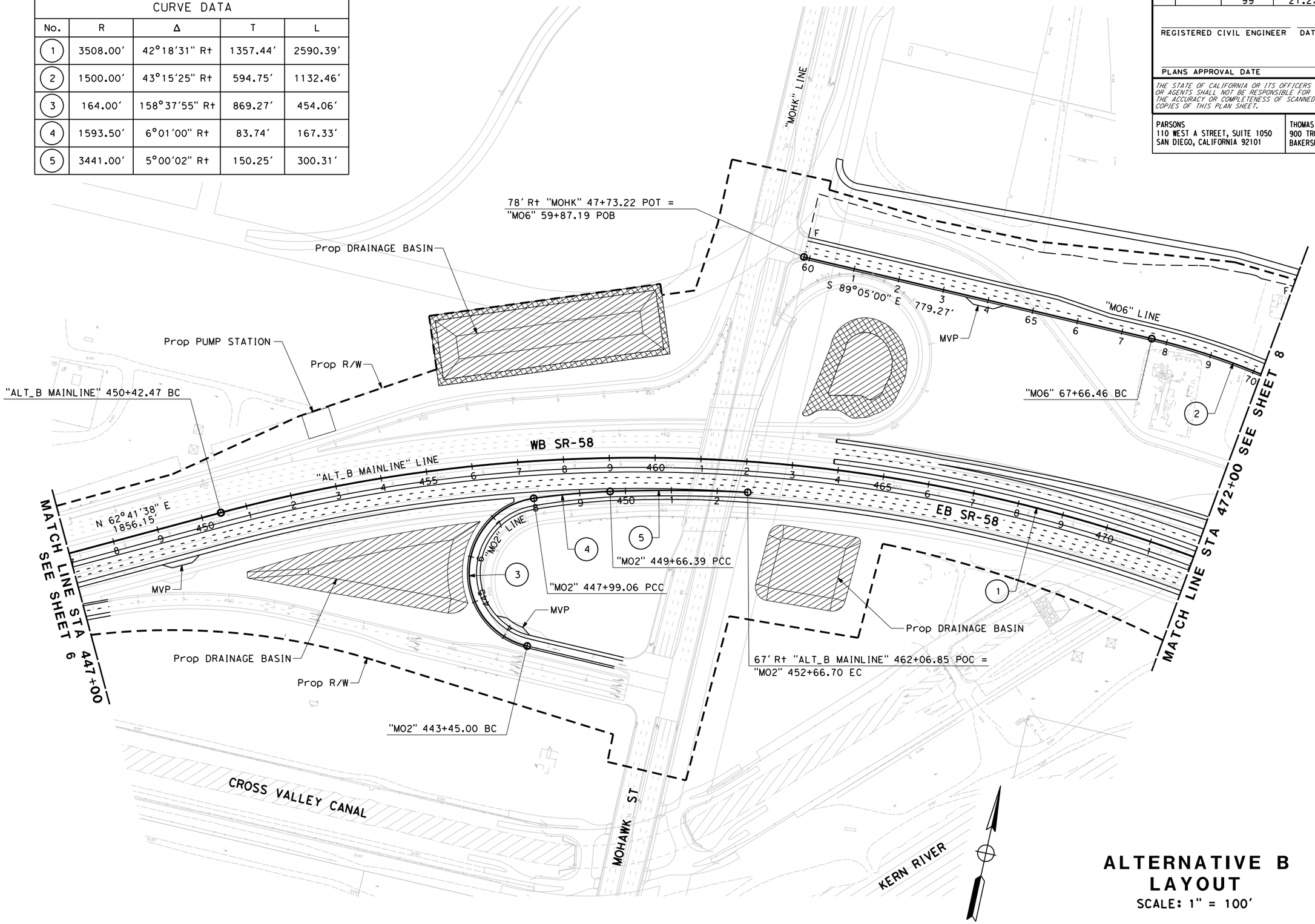
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	3508.00′	42°18′31" Rt	1357.44′	2590.39′
2	1500.00′	43°15′25" Rt	594.75′	1132.46′
3	164.00′	158°37′55" Rt	869.27′	454.06′
4	1593.50′	6°01′00" Rt	83.74′	167.33′
5	3441.00′	5°00′02" Rt	150.25′	300.31′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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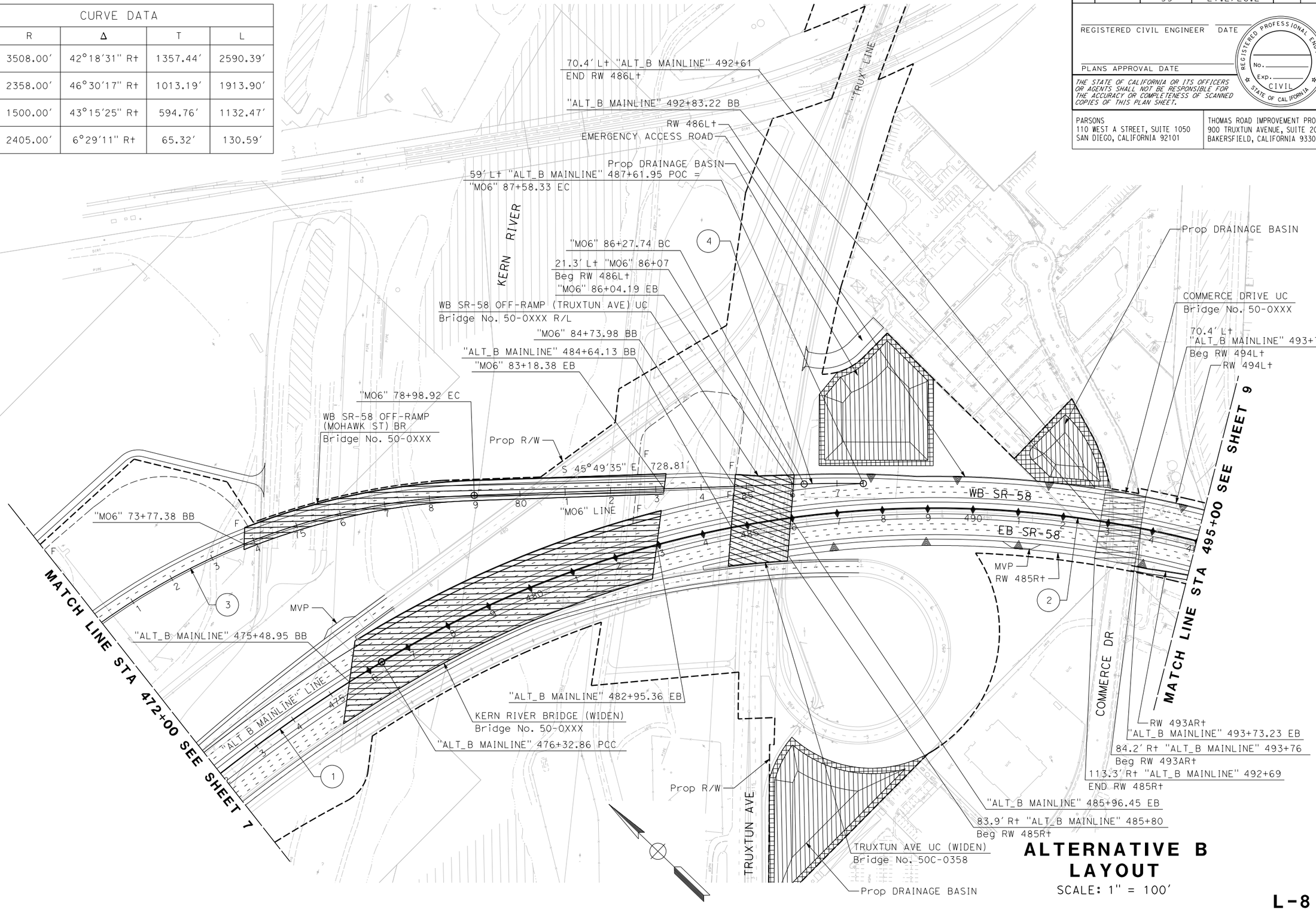
PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	3508.00′	42°18′31″ Rt	1357.44′	2590.39′
2	2358.00′	46°30′17″ Rt	1013.19′	1913.90′
3	1500.00′	43°15′25″ Rt	594.76′	1132.47′
4	2405.00′	6°29′11″ Rt	65.32′	130.59′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-8

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 06-19-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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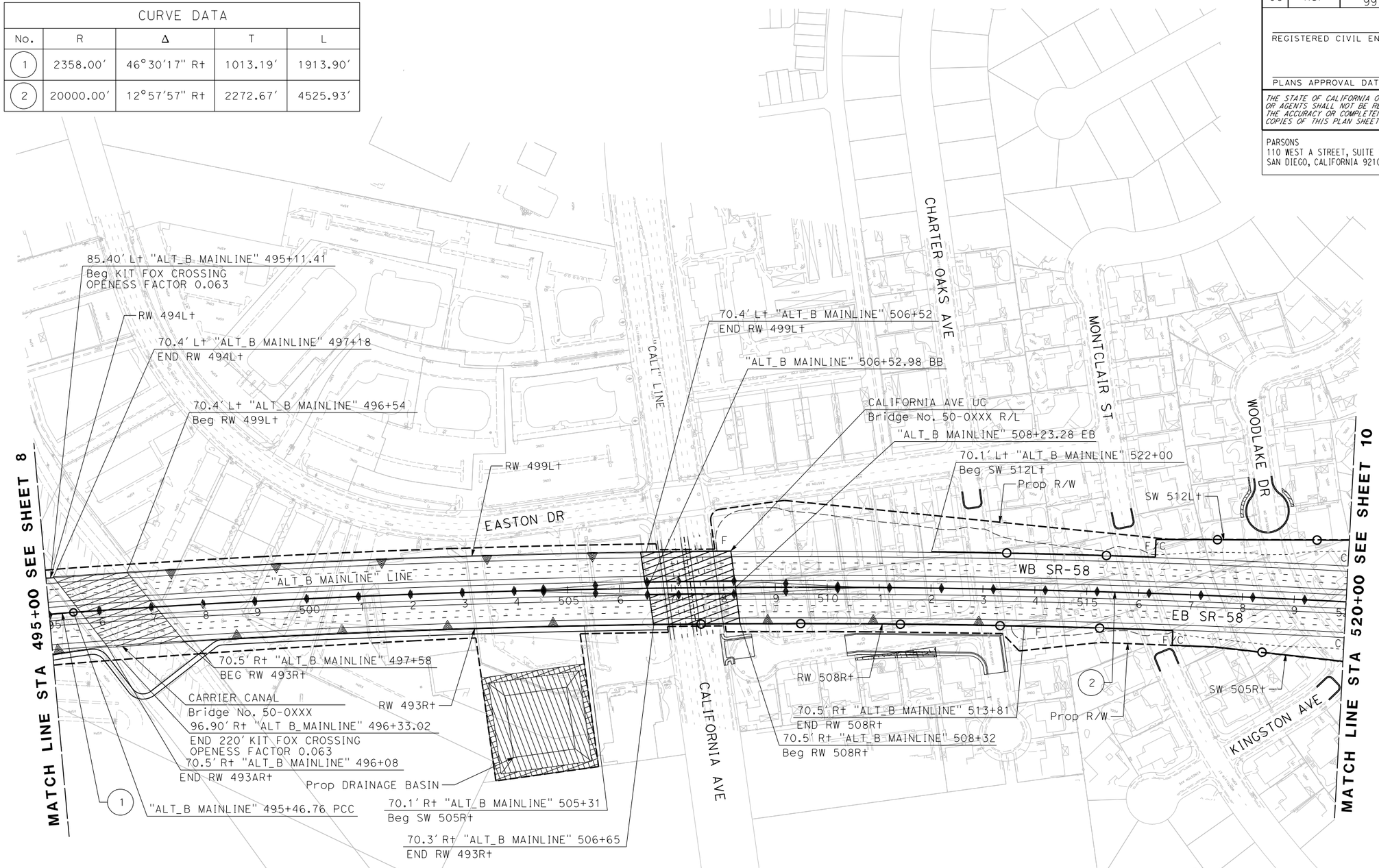
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	2358.00′	46°30′17″ Rt	1013.19′	1913.90′
2	20000.00′	12°57′57″ Rt	2272.67′	4525.93′



ALTERNATIVE B LAYOUT

SCALE: 1″ = 100′

L-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 06-19-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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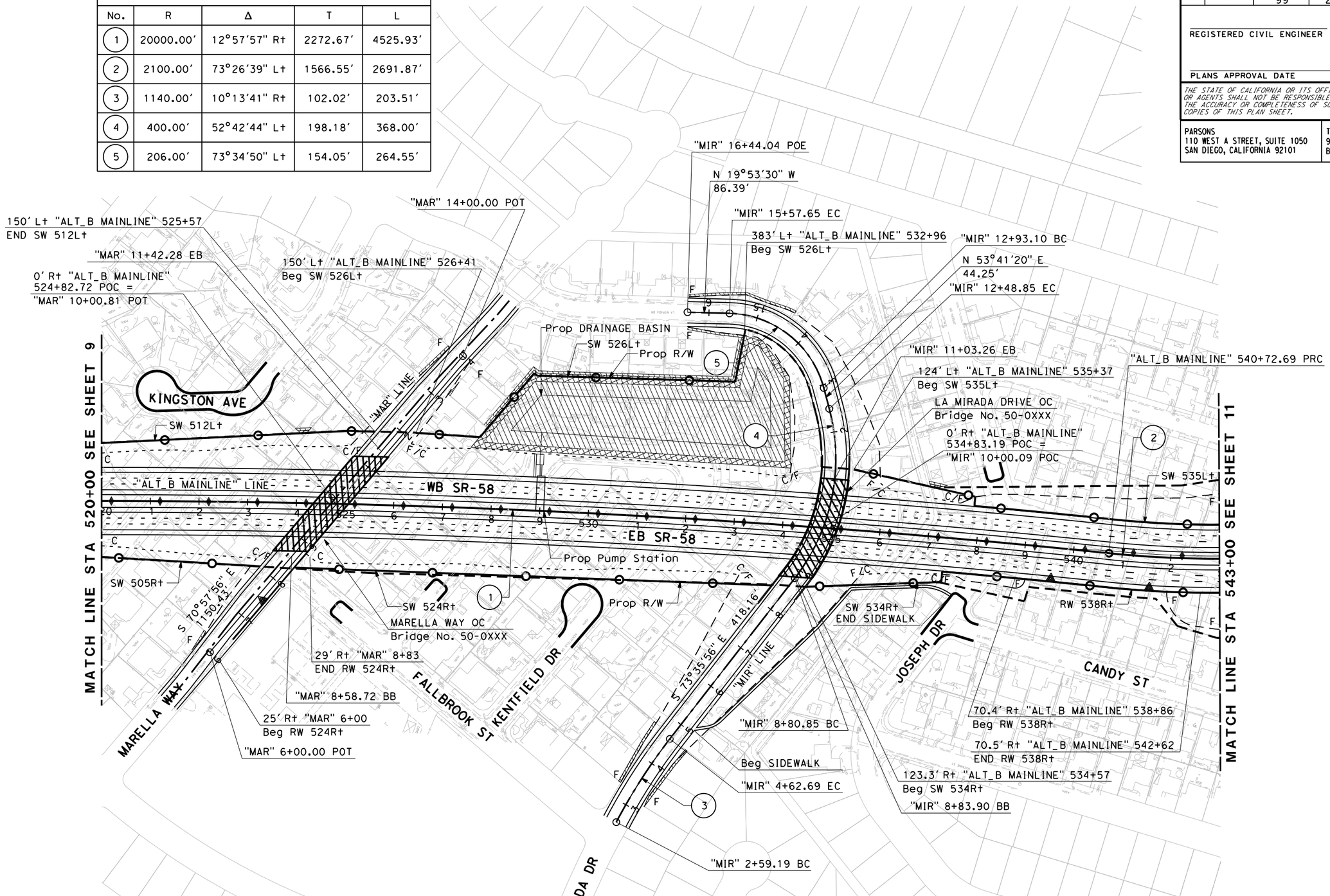
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	20000.00′	12°57′57″ Rt	2272.67′	4525.93′
2	2100.00′	73°26′39″ Lt	1566.55′	2691.87′
3	1140.00′	10°13′41″ Rt	102.02′	203.51′
4	400.00′	52°42′44″ Lt	198.18′	368.00′
5	206.00′	73°34′50″ Lt	154.05′	264.55′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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LAST REVISION 05-16-12

DATE PLOTTED => $DATE

TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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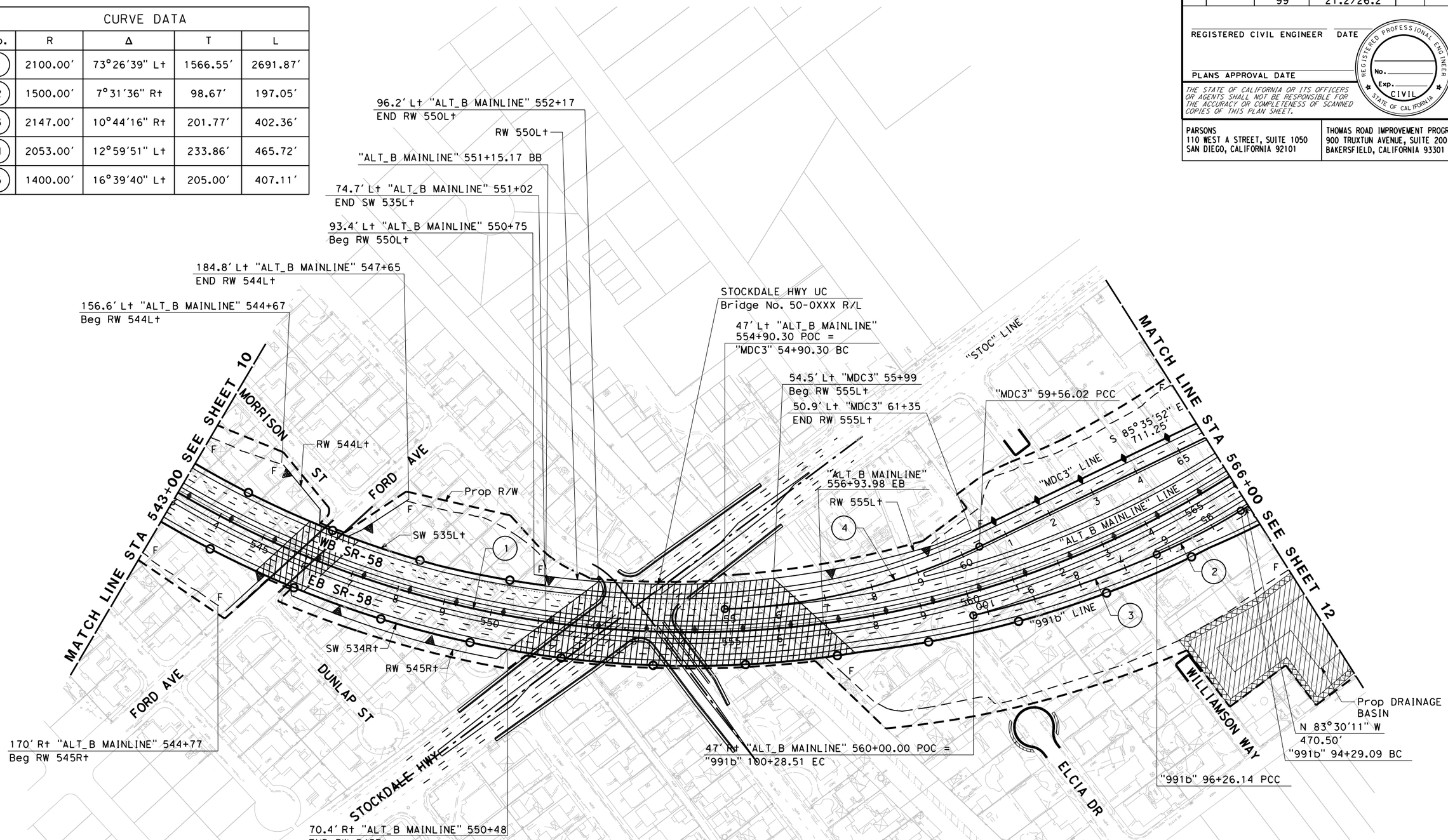
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	2100.00′	73°26′39" Lt	1566.55′	2691.87′
2	1500.00′	7°31′36" Rt	98.67′	197.05′
3	2147.00′	10°44′16" Rt	201.77′	402.36′
4	2053.00′	12°59′51" Lt	233.86′	465.72′
5	1400.00′	16°39′40" Lt	205.00′	407.11′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-11

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 DATE PLOTTED => $DATE TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

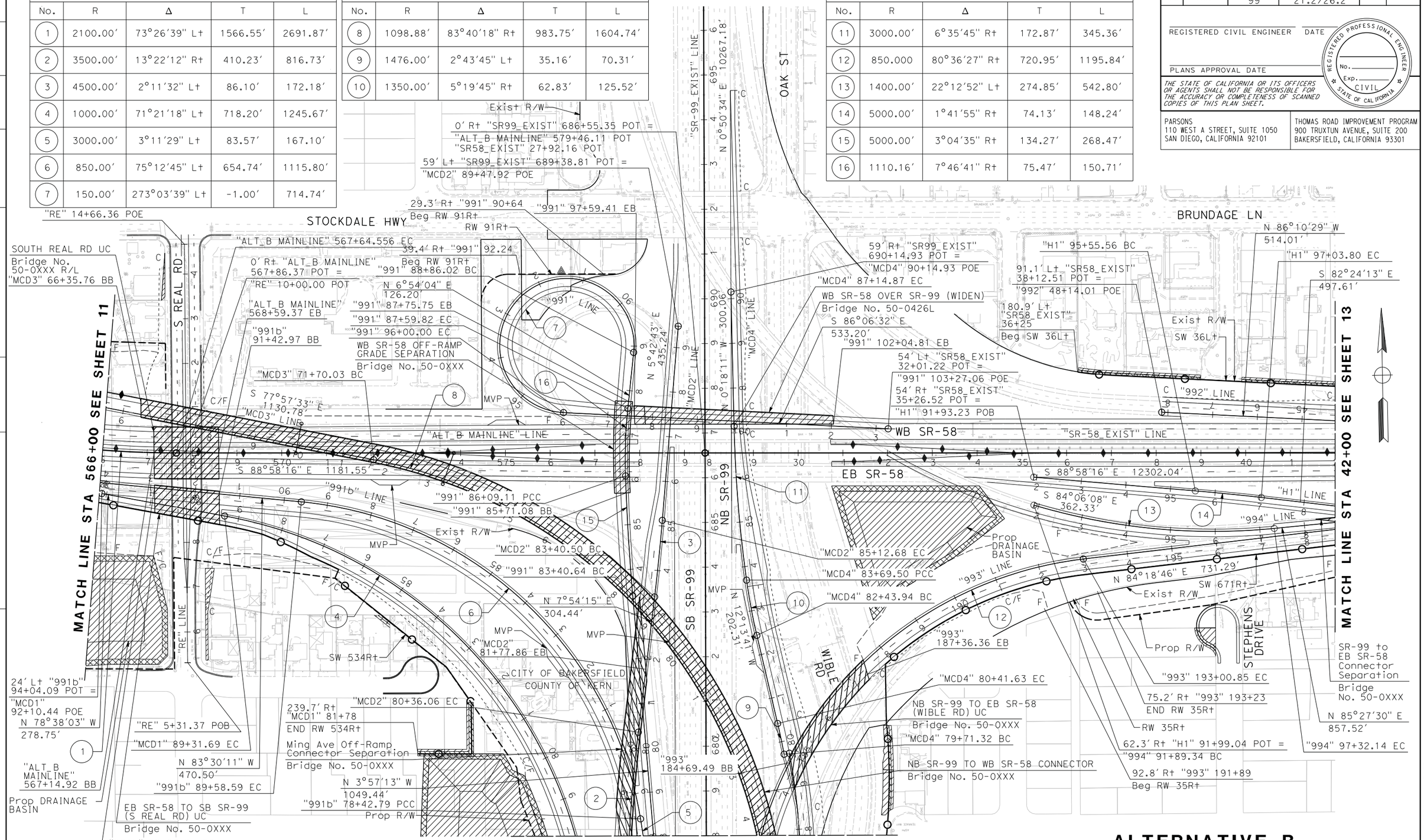
No.	R	Δ	T	L
1	2100.00′	73°26′39" L+	1566.55′	2691.87′
2	3500.00′	13°22′12" R+	410.23′	816.73′
3	4500.00′	2°11′32" L+	86.10′	172.18′
4	1000.00′	71°21′18" L+	718.20′	1245.67′
5	3000.00′	3°11′29" L+	83.57′	167.10′
6	850.00′	75°12′45" L+	654.74′	1115.80′
7	150.00′	273°03′39" L+	-1.00′	714.74′

CURVE DATA

No.	R	Δ	T	L
8	1098.88′	83°40′18" R+	983.75′	1604.74′
9	1476.00′	2°43′45" L+	35.16′	70.31′
10	1350.00′	5°19′45" R+	62.83′	125.52′

CURVE DATA

No.	R	Δ	T	L
11	3000.00′	6°35′45" R+	172.87′	345.36′
12	850.000	80°36′27" R+	720.95′	1195.84′
13	1400.00′	22°12′52" L+	274.85′	542.80′
14	5000.00′	1°41′55" R+	74.13′	148.24′
15	5000.00′	3°04′35" R+	134.27′	268.47′
16	1110.16′	7°46′41" R+	75.47′	150.71′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE

TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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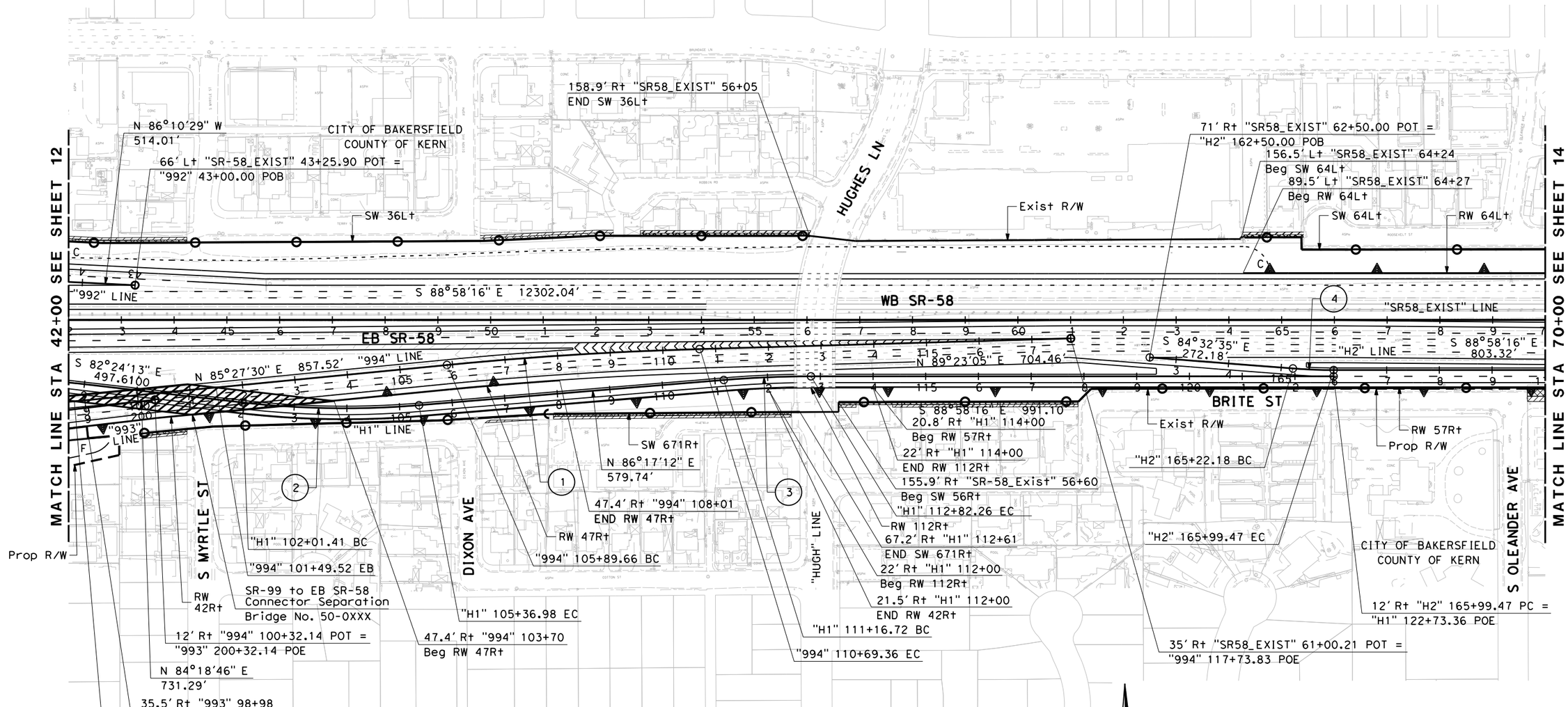
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	7000.00′	3°55′35″ Rt	239.95′	479.70′
2	1700.00′	11°18′36″ Lt	168.33′	335.57′
3	2000.00′	4°44′32″ Rt	82.82′	165.54′
4	1000.00′	4°25′42″ Lt	38.66′	77.29′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

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REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
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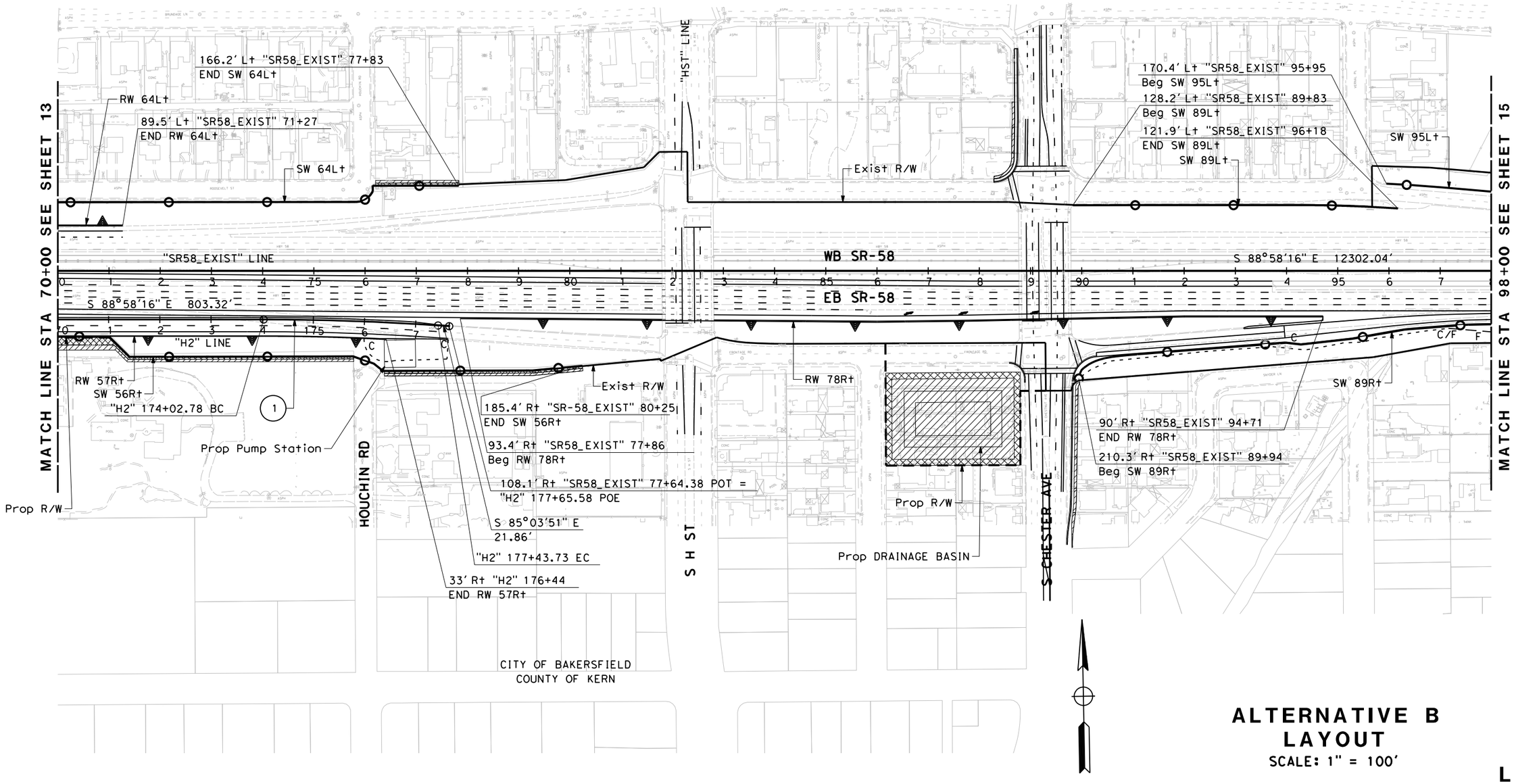
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	5000.00′	3°54′25″ Rt	170.54′	340.94′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-14

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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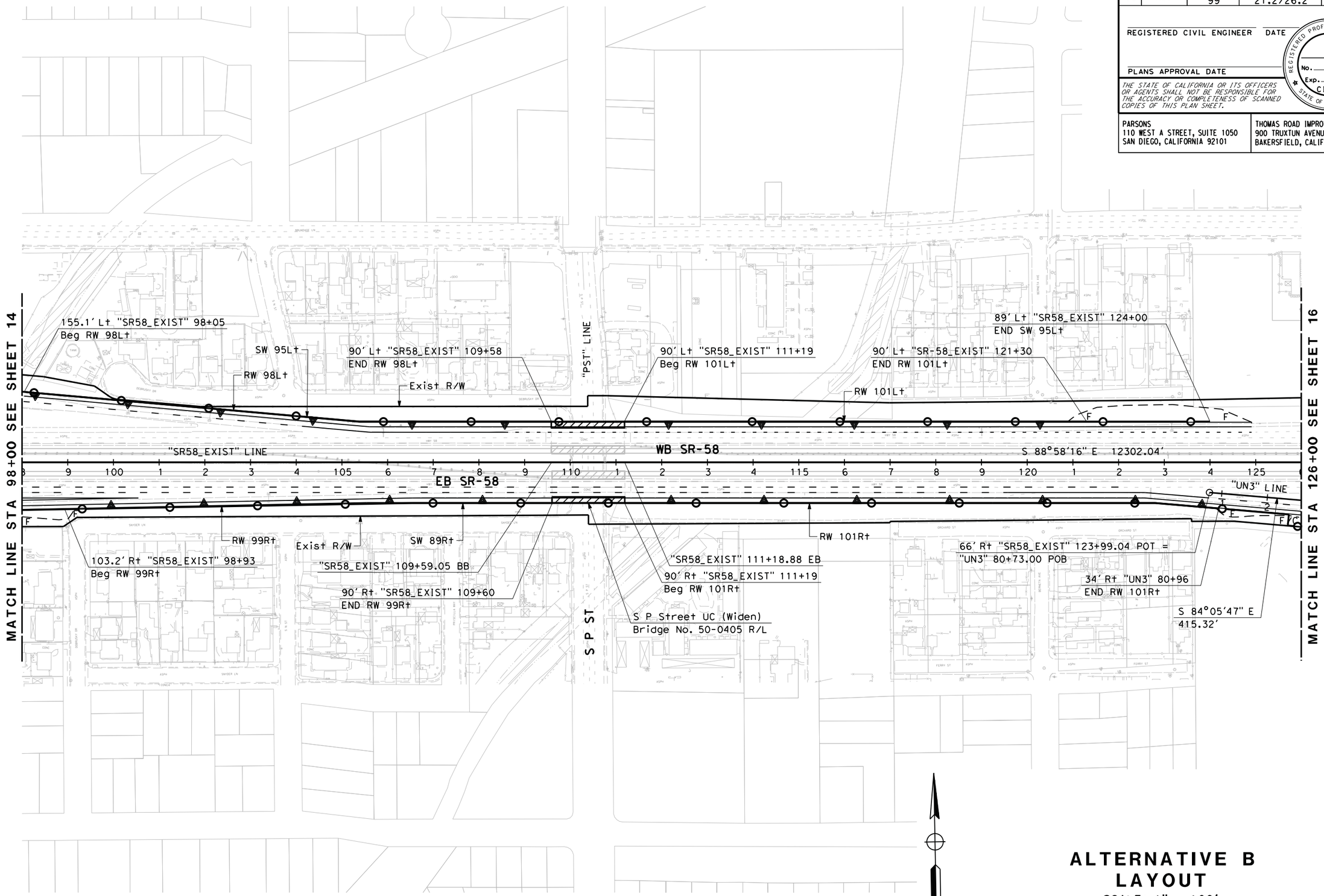
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-15

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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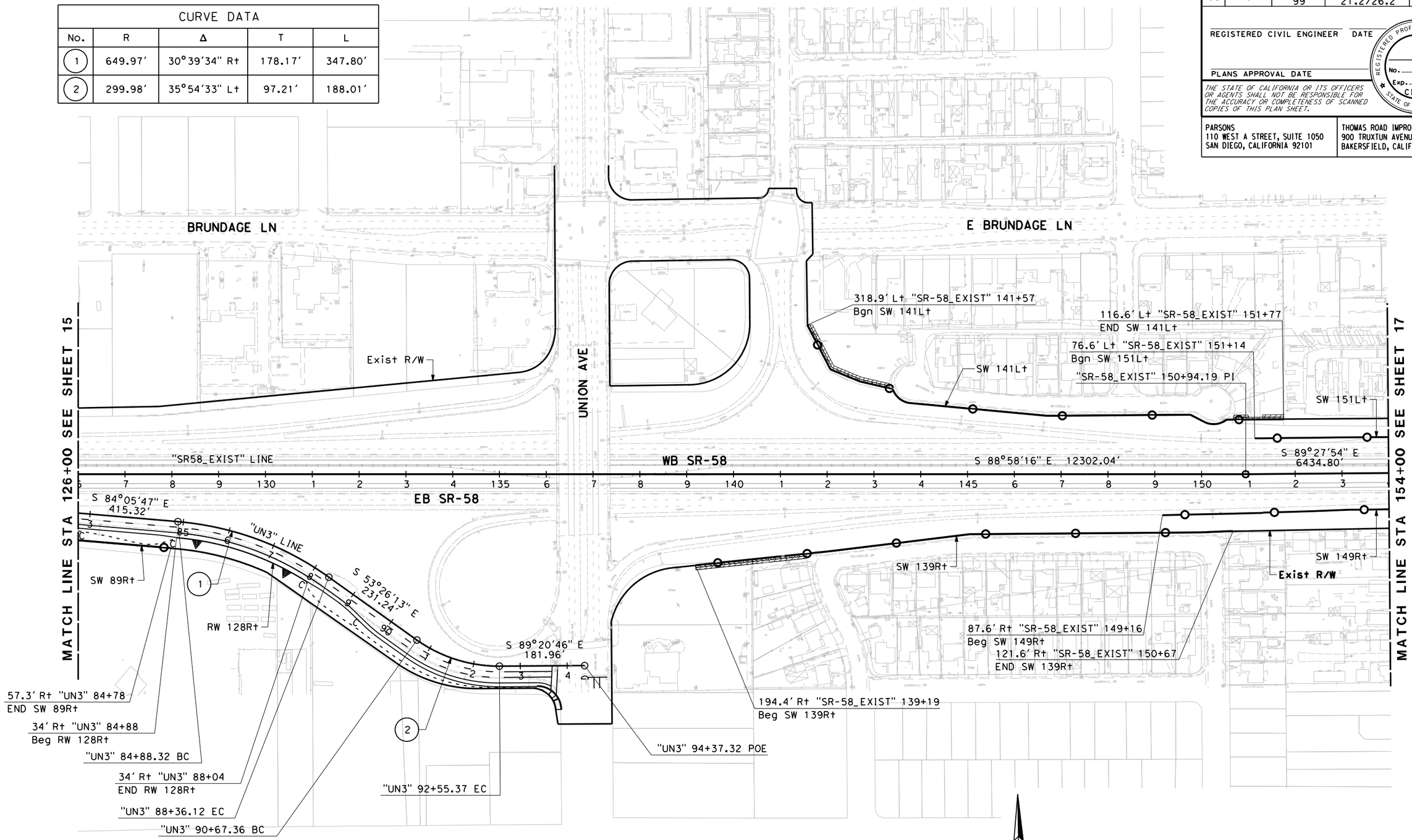
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	649.97′	30°39′34″ Rt	178.17′	347.80′
2	299.98′	35°54′33″ Lt	97.21′	188.01′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-16

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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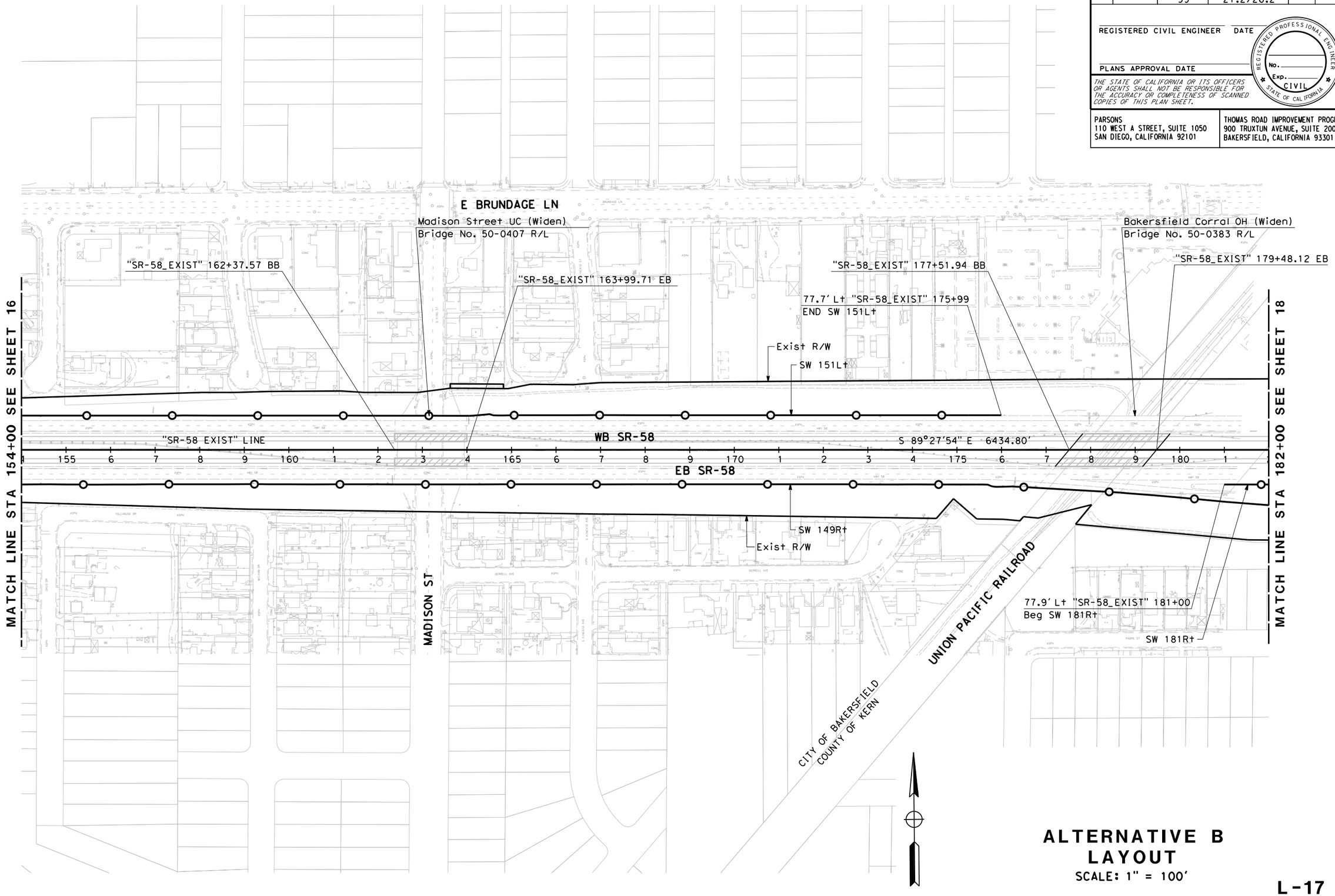
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-17

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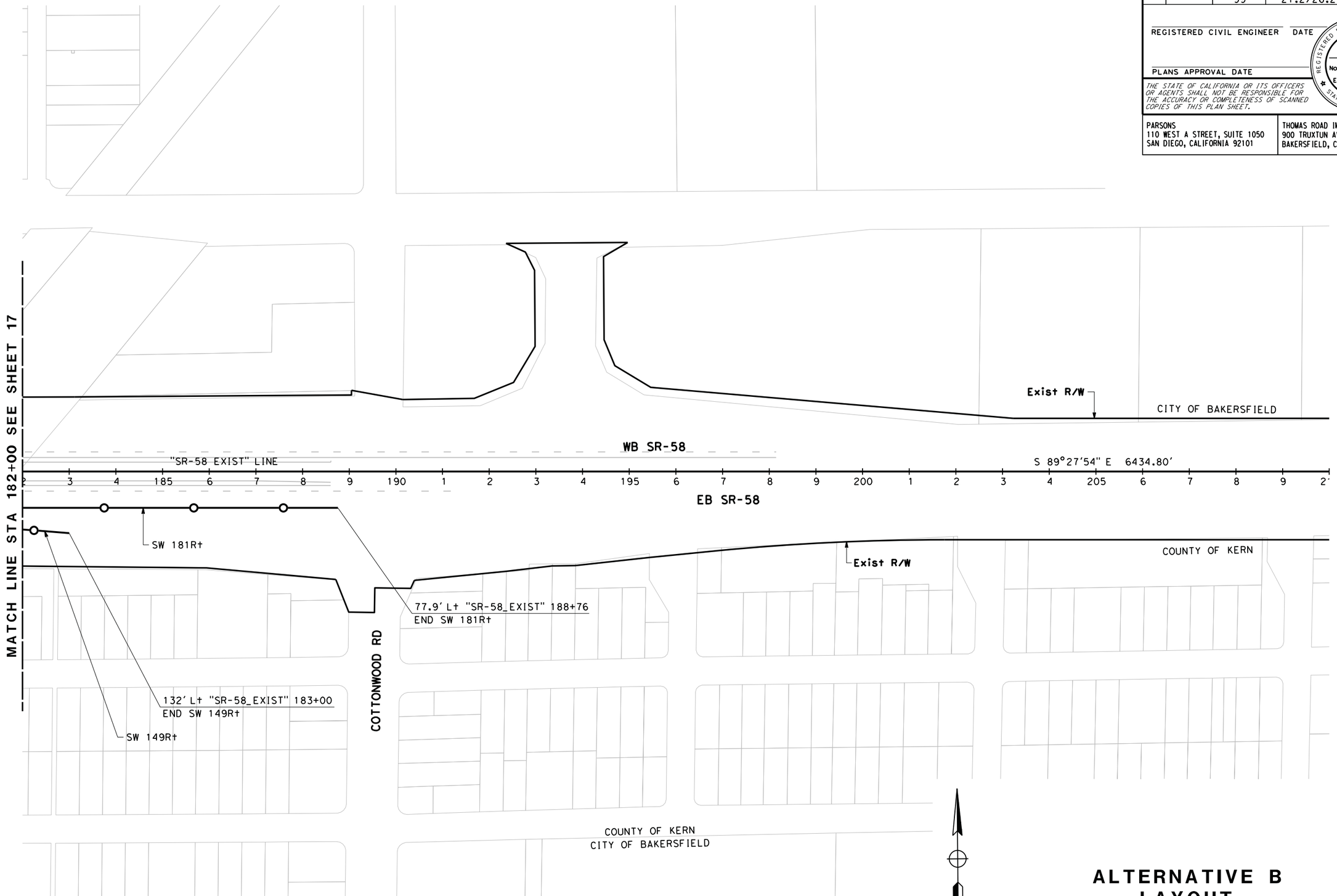
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-18

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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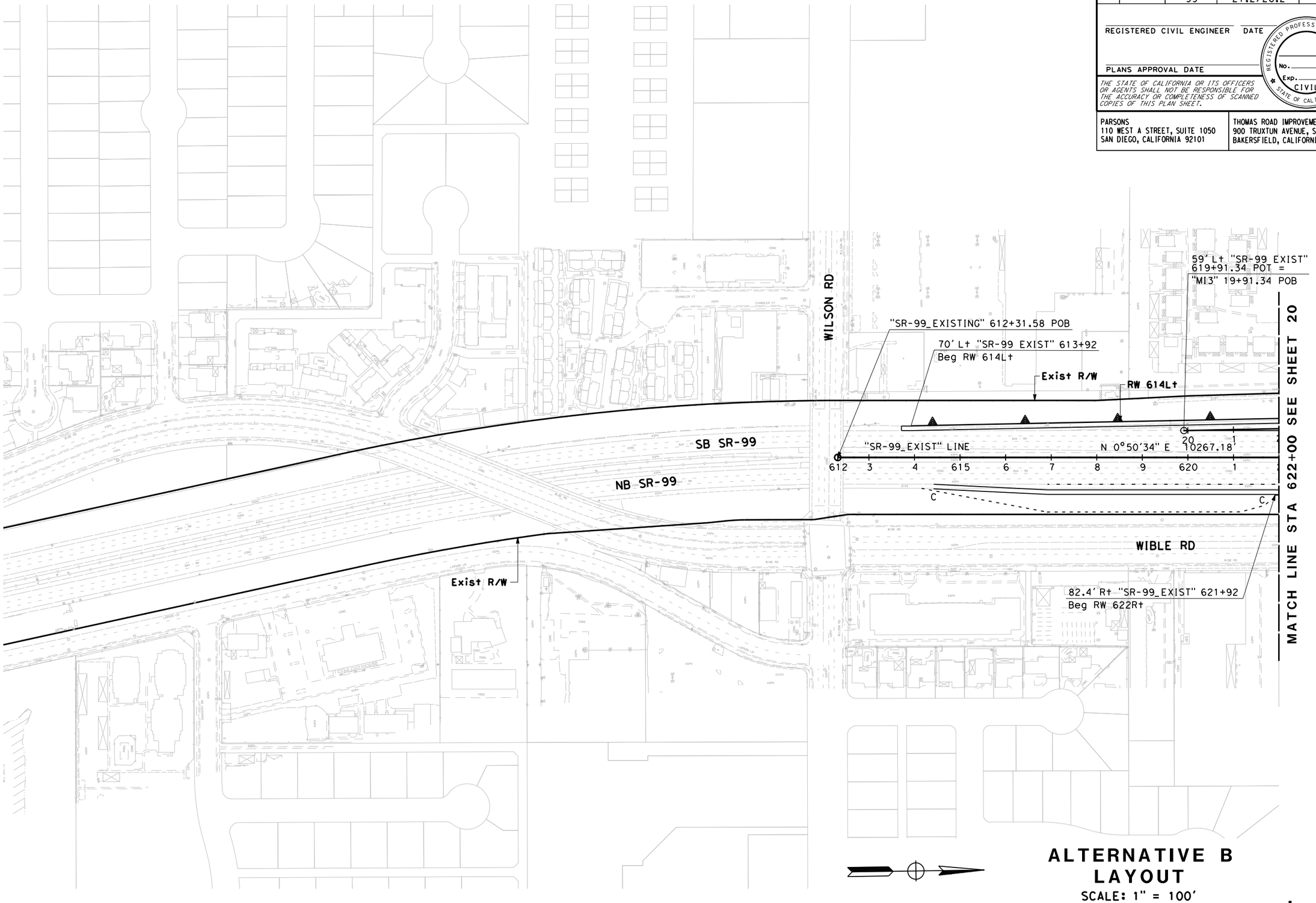

ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-19

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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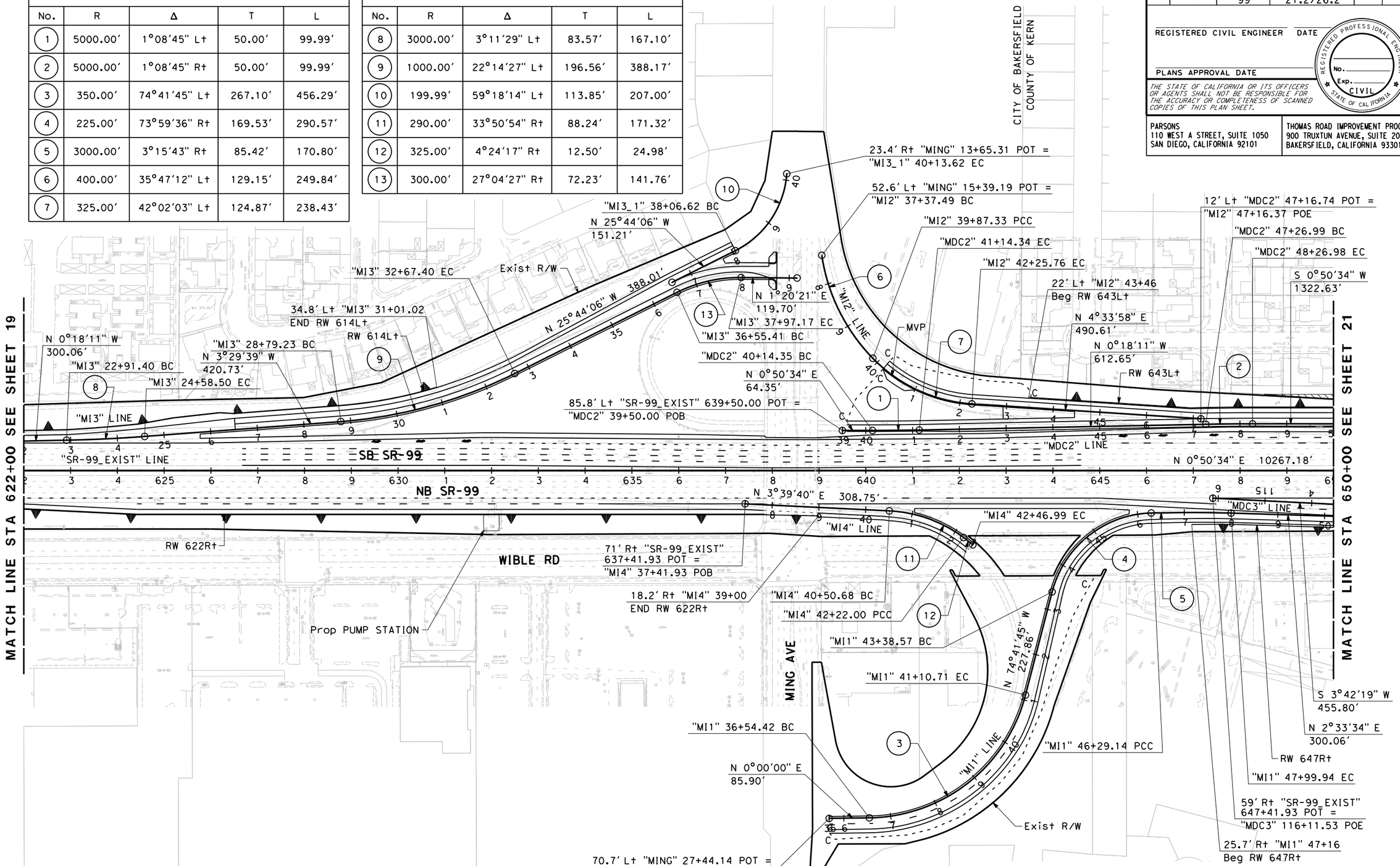
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	5000.00′	1°08′45″ Lt	50.00′	99.99′
2	5000.00′	1°08′45″ Rt	50.00′	99.99′
3	350.00′	74°41′45″ Lt	267.10′	456.29′
4	225.00′	73°59′36″ Rt	169.53′	290.57′
5	3000.00′	3°15′43″ Rt	85.42′	170.80′
6	400.00′	35°47′12″ Lt	129.15′	249.84′
7	325.00′	42°02′03″ Lt	124.87′	238.43′

CURVE DATA				
No.	R	Δ	T	L
8	3000.00′	3°11′29″ Lt	83.57′	167.10′
9	1000.00′	22°14′27″ Lt	196.56′	388.17′
10	199.99′	59°18′14″ Lt	113.85′	207.00′
11	290.00′	33°50′54″ Rt	88.24′	171.32′
12	325.00′	4°24′17″ Rt	12.50′	24.98′
13	300.00′	27°04′27″ Rt	72.23′	141.76′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-20

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LAST REVISION 03-27-15

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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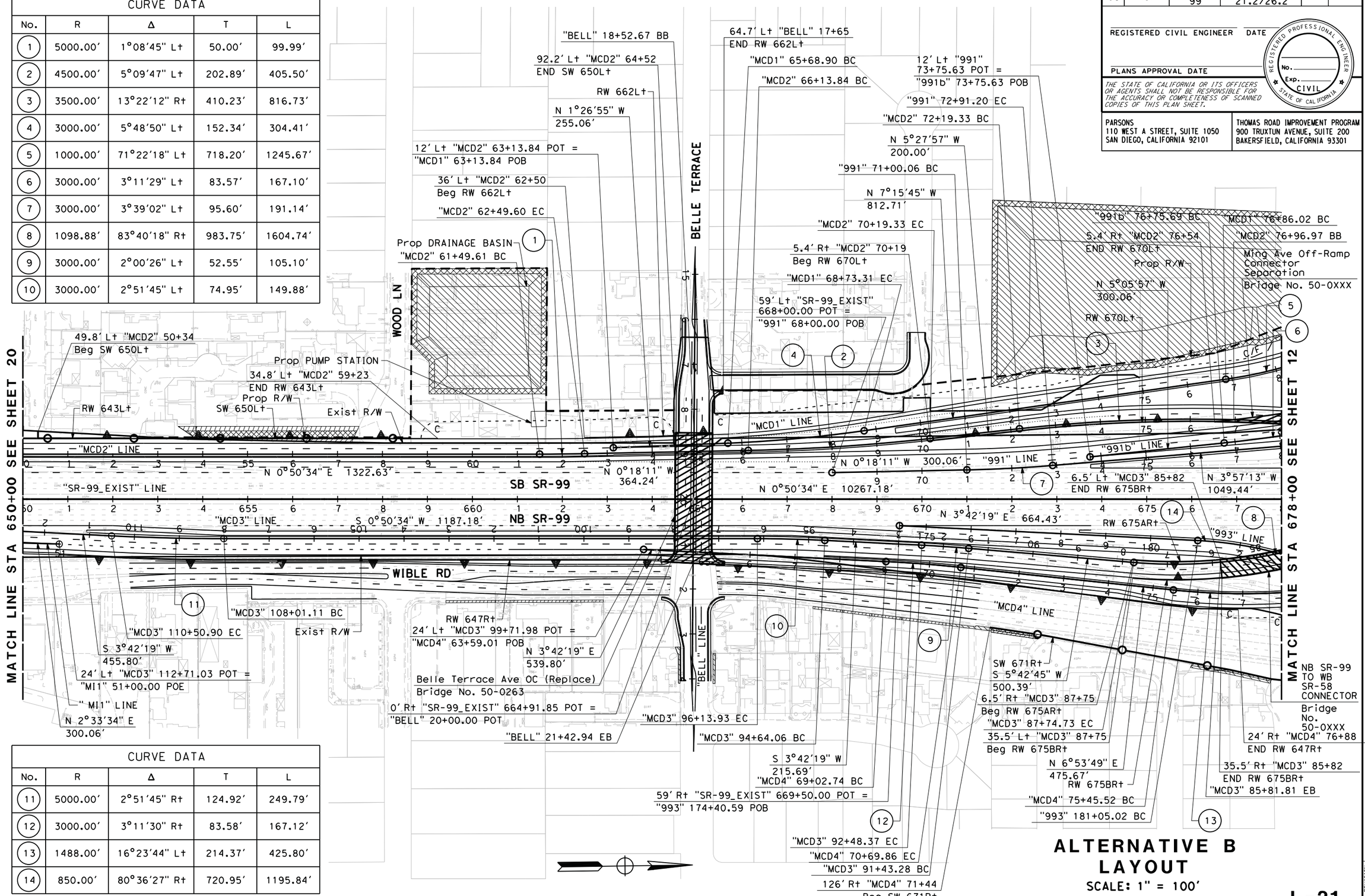
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	5000.00′	1°08′45" Lt	50.00′	99.99′
2	4500.00′	5°09′47" Lt	202.89′	405.50′
3	3500.00′	13°22′12" Rt	410.23′	816.73′
4	3000.00′	5°48′50" Lt	152.34′	304.41′
5	1000.00′	71°22′18" Lt	718.20′	1245.67′
6	3000.00′	3°11′29" Lt	83.57′	167.10′
7	3000.00′	3°39′02" Lt	95.60′	191.14′
8	1098.88′	83°40′18" Rt	983.75′	1604.74′
9	3000.00′	2°00′26" Lt	52.55′	105.10′
10	3000.00′	2°51′45" Lt	74.95′	149.88′



CURVE DATA				
No.	R	Δ	T	L
11	5000.00′	2°51′45" Rt	124.92′	249.79′
12	3000.00′	3°11′30" Rt	83.58′	167.12′
13	1488.00′	16°23′44" Lt	214.37′	425.80′
14	850.00′	80°36′27" Rt	720.95′	1195.84′

ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-21

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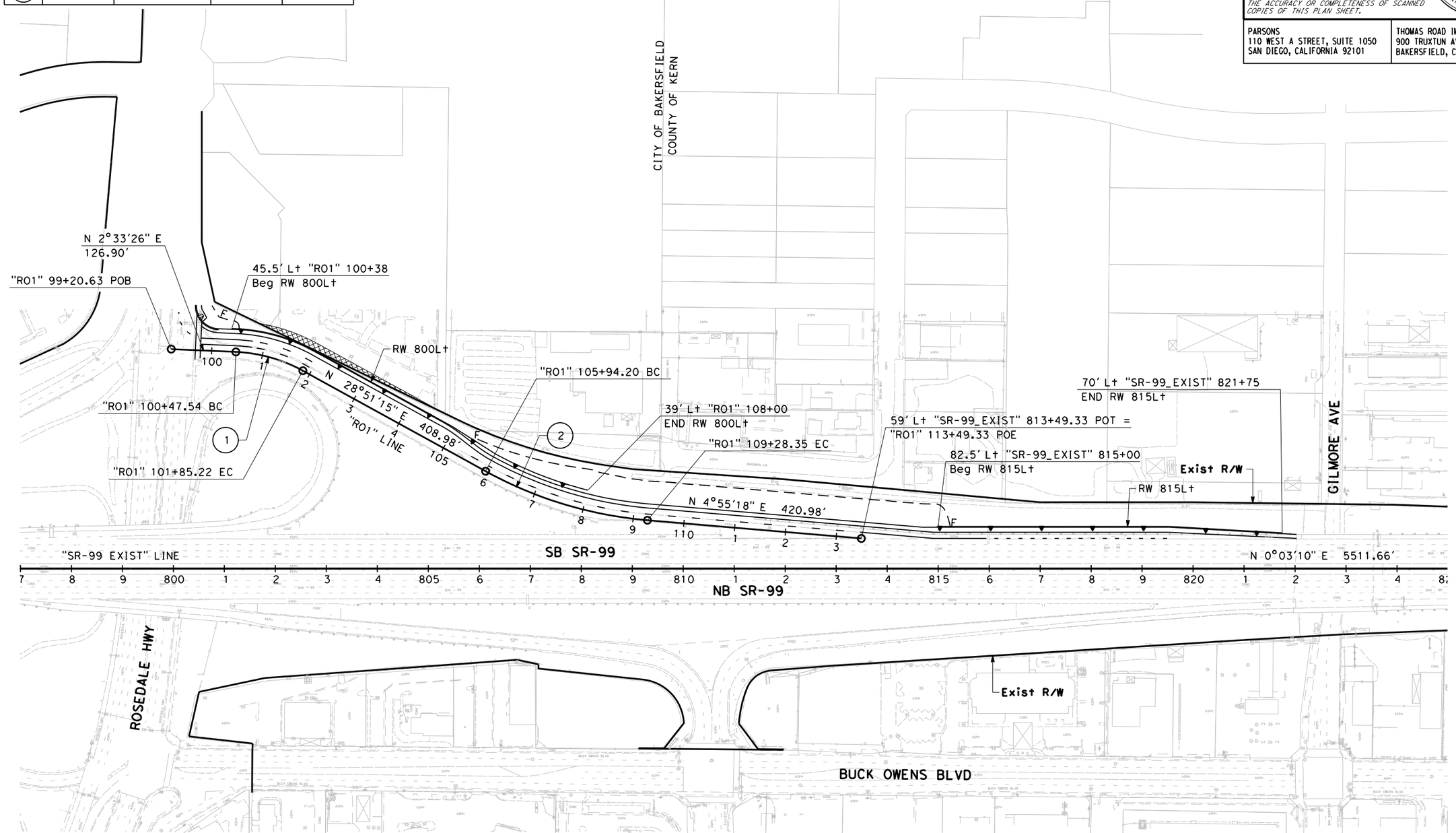
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	299.99′	26°17′49" Rt	70.08′	137.68′
2	799.97′	23°55′57" Lt	334.15′	169.55′



ALTERNATIVE B LAYOUT

SCALE: 1" = 100′

L-22

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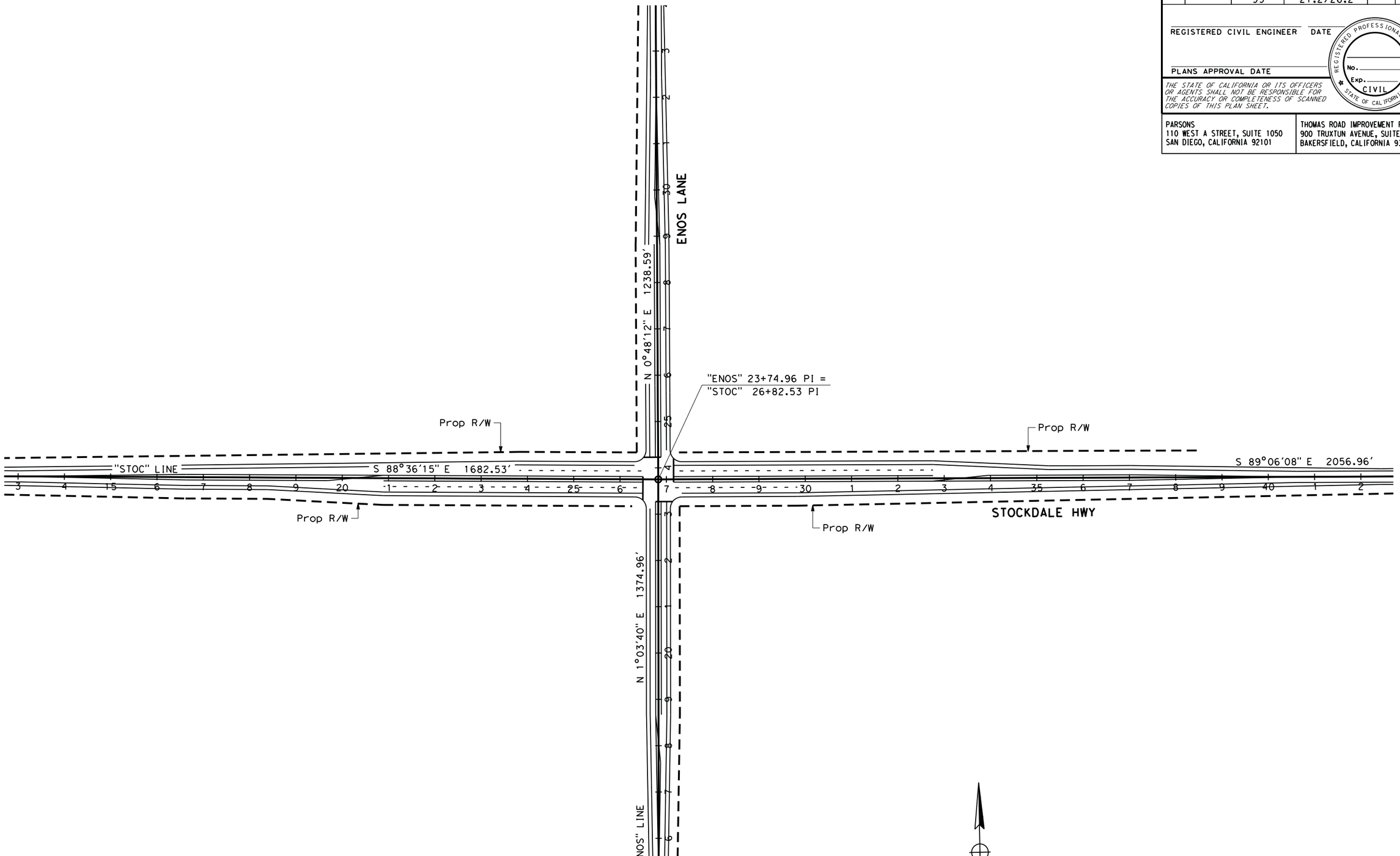

ALTERNATIVE B LAYOUT

SCALE: 1" = 100'

L-23

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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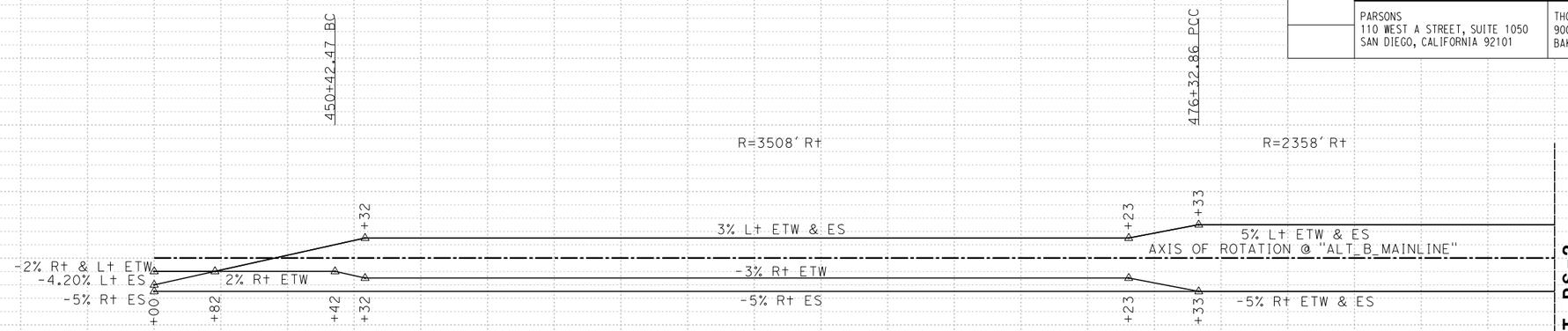
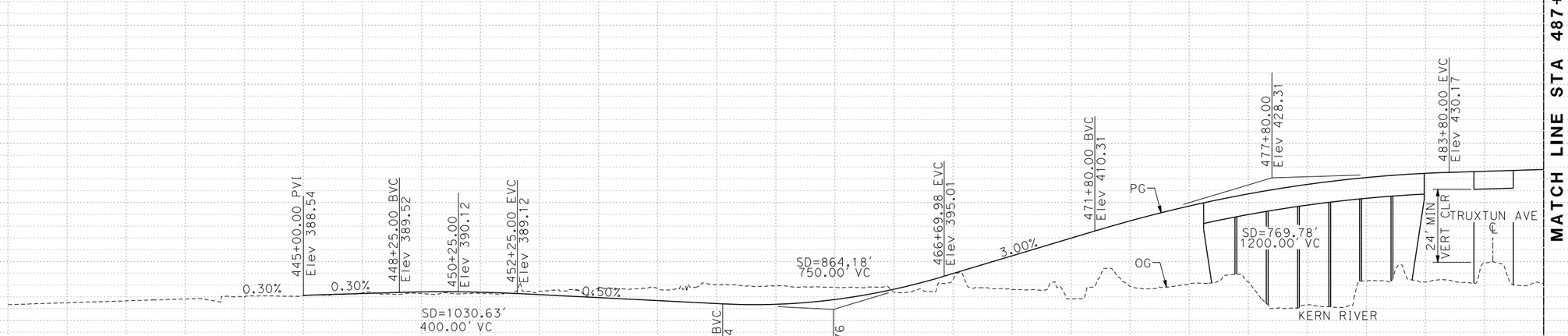


SUPERELEVATION DIAGRAM
SR58
"ALT_B_MAINLINE"



PROFILE
SR58
"ALT_B_MAINLINE"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-1

STATION	435+00	445+00	455+00	465+00	475+00	485+00	TOTAL
CY Exc							
CY Emb							

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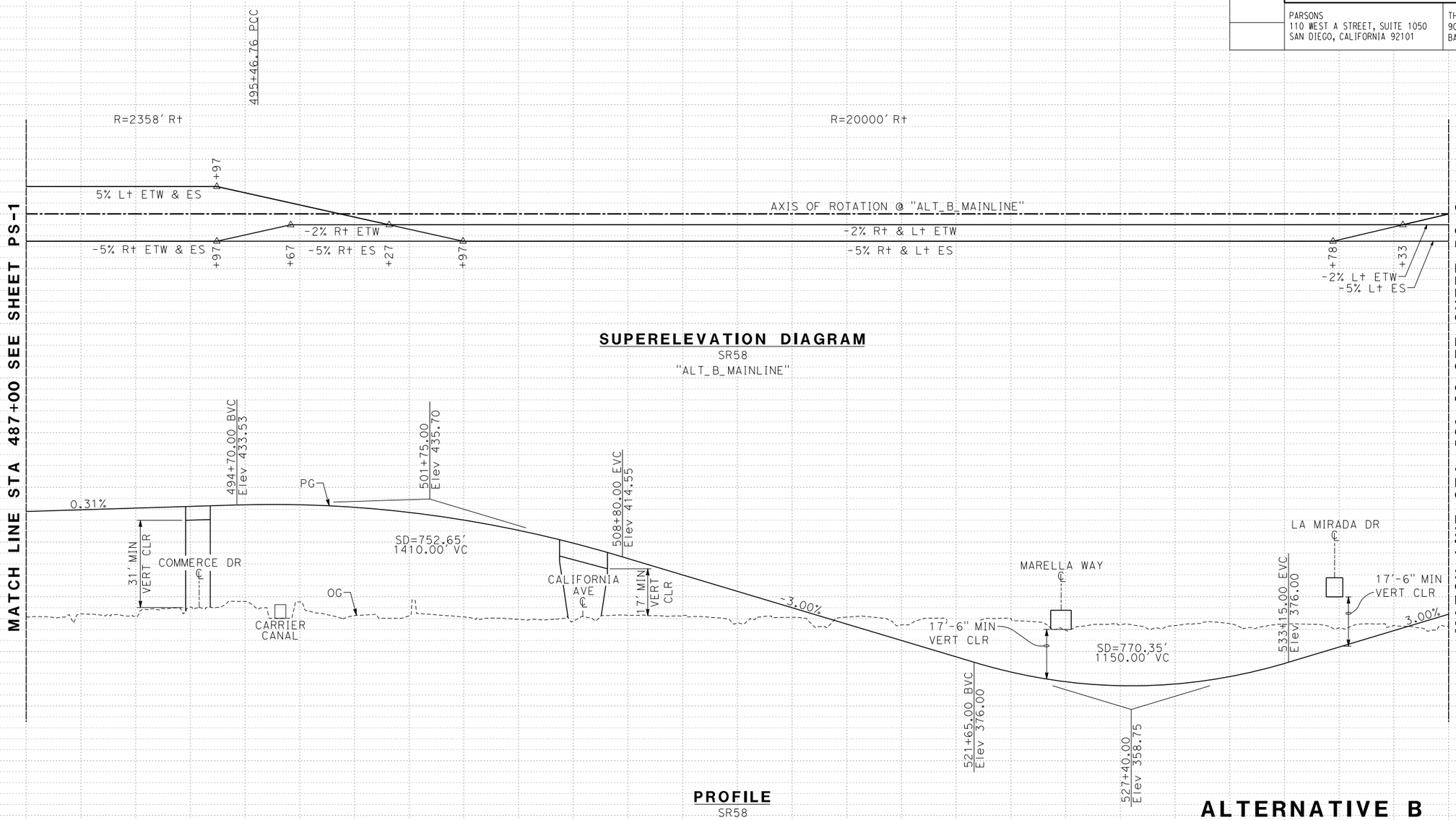

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-2

STATION	495+00	505+00	515+00	525+00	535+00	TOTAL
CY Exc						
CY Emb						

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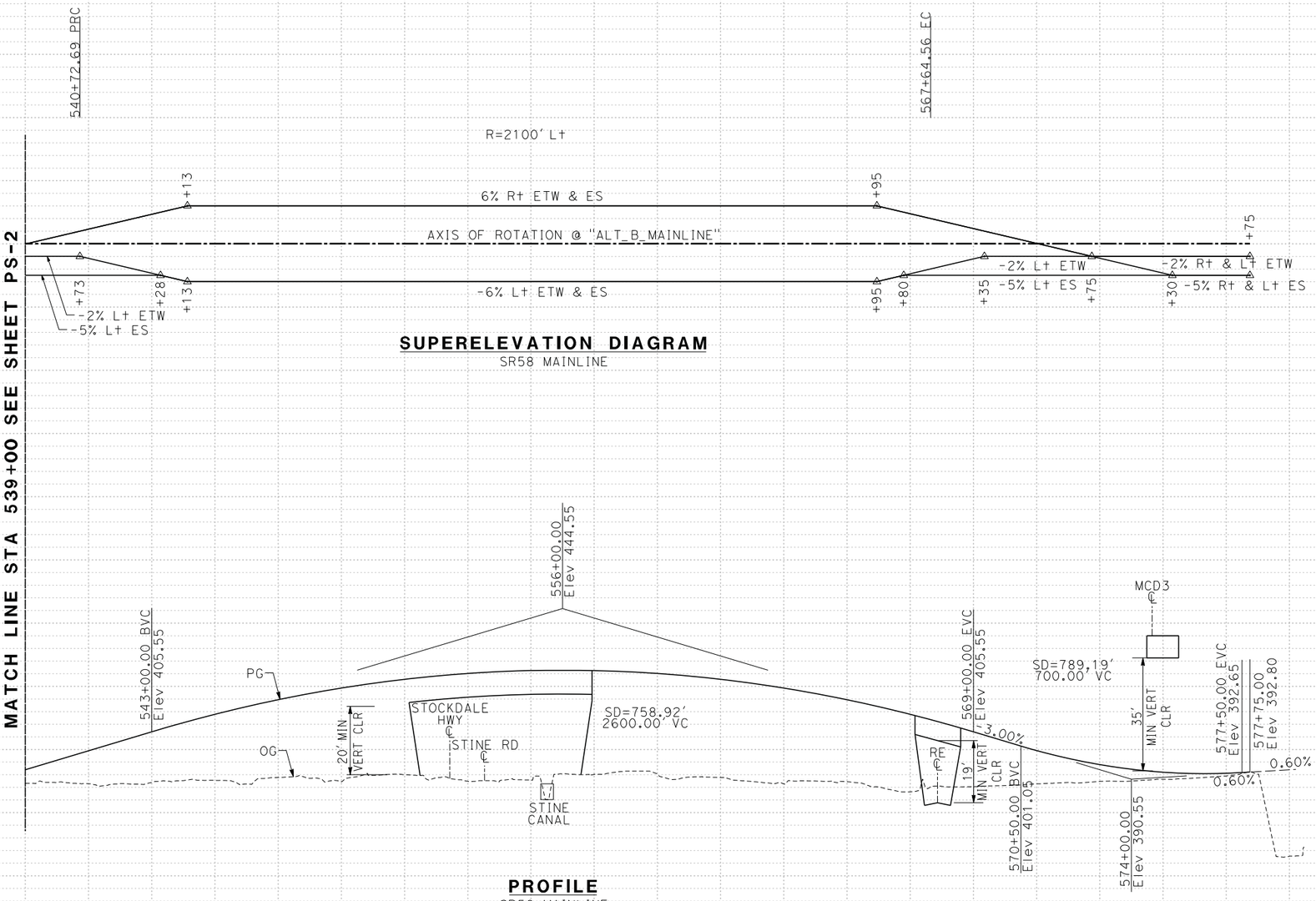

SUPERELEVATION DIAGRAM
SR58 MAINLINE

PROFILE
SR58 MAINLINE

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-3

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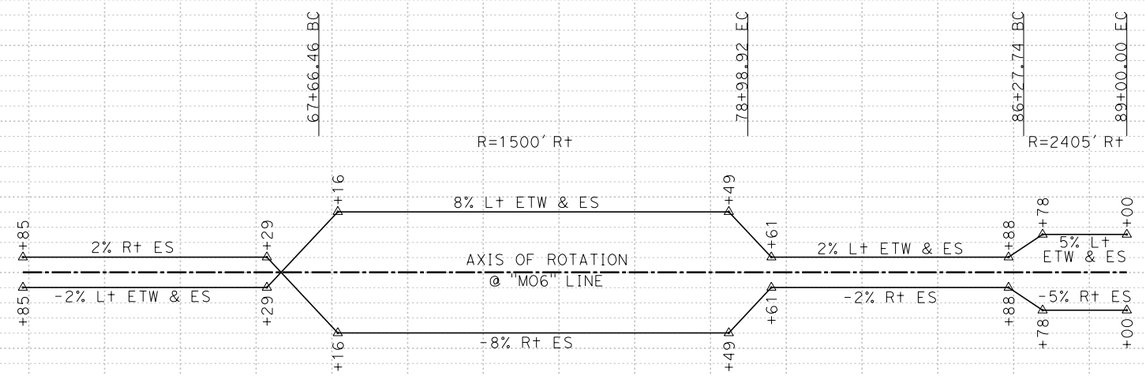
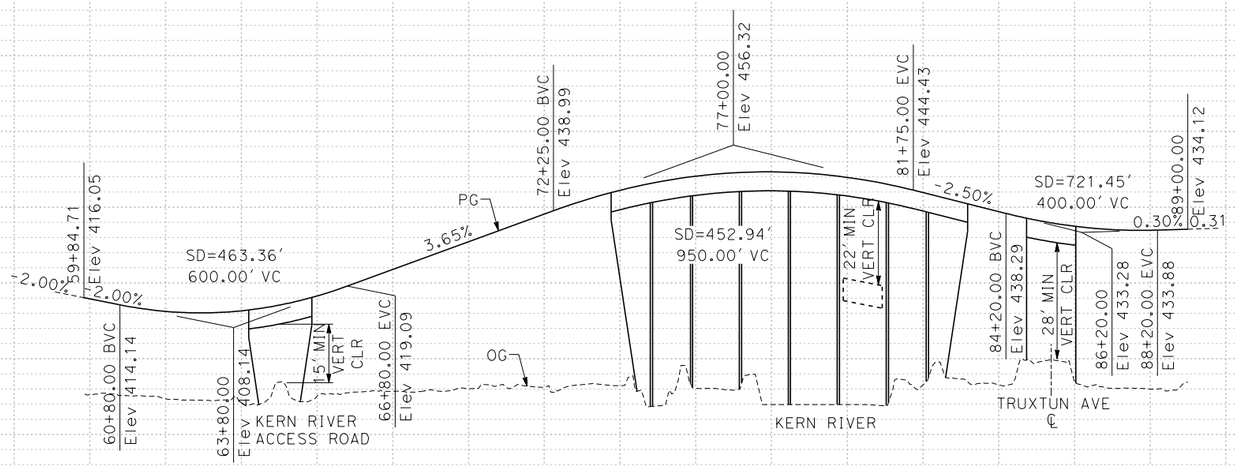
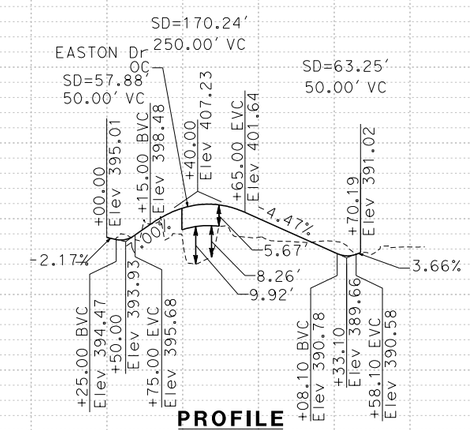


SUPERELEVATION DIAGRAM

MOHAWK STREET
WB SR58 OFF RAMP
"MO6"



PROFILE
MOHAWK STREET
WB SR58 OFF RAMP
"MO6"



PROFILE
EASTON DRIVE
"EAS"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-4

STATION	60+00	70+00	80+00	90+00	10+00	20+00	TOTAL
CY Exc							
CY Emb							

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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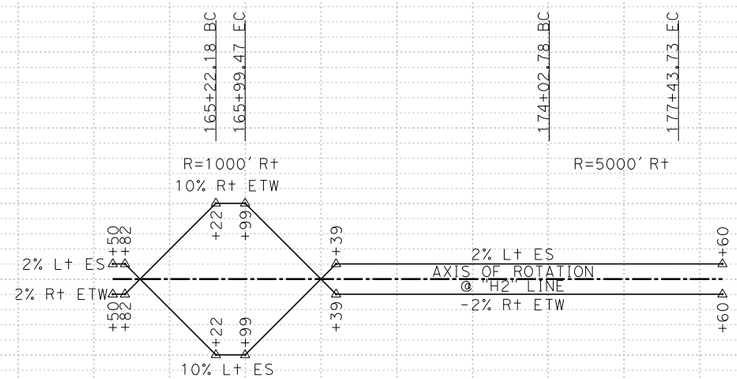
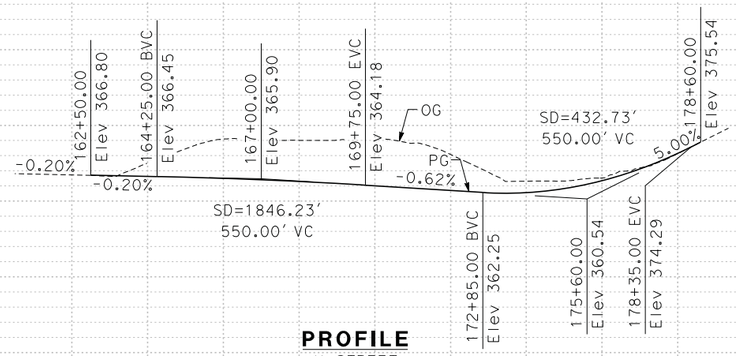
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
H STREET
EB SR58 SLIP OFF RAMP
"H2"



PROFILE
H STREET
EB SR58 SLIP OFF RAMP
"H2"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-5

STATION		160+00	170+00	180+00	TOTAL
CY	Exc				
	Emb				

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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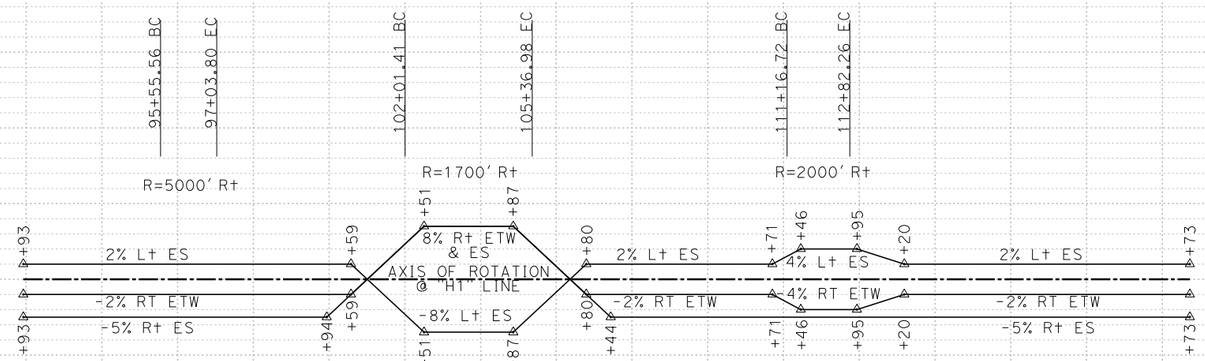
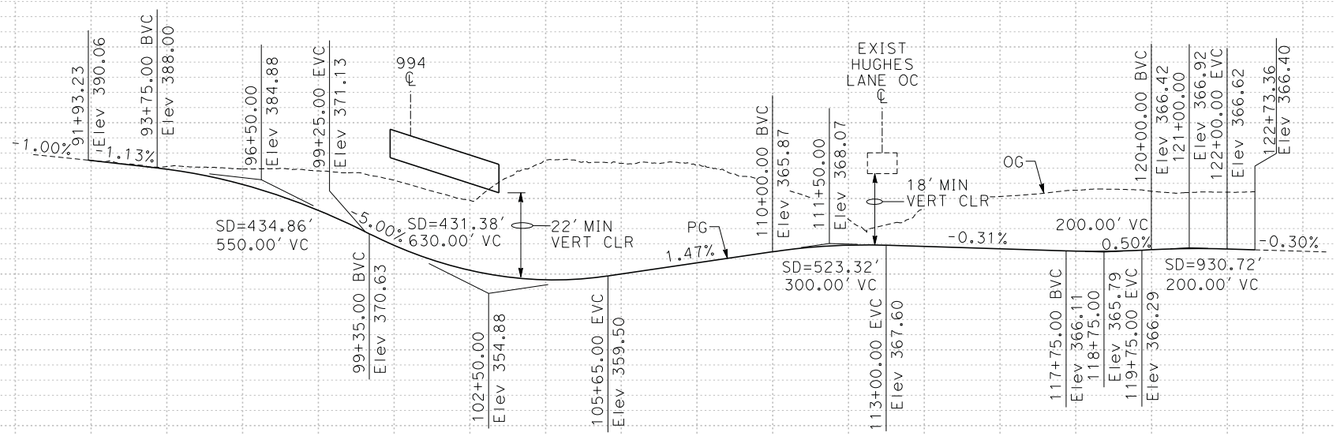


SUPERELEVATION DIAGRAM

H STREET
SB/NB SR99 CD OFF RAMP
"H1"



PROFILE

H STREET
SB/NB SR99 CD OFF RAMP
"H1"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-6

STATION	90+00	100+00	110+00	120+00	TOTAL
CY Exc					
CY Emb					

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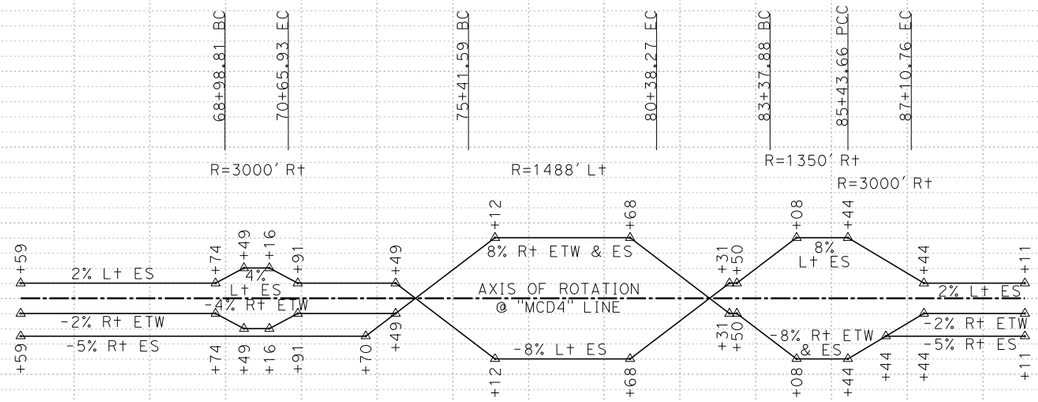
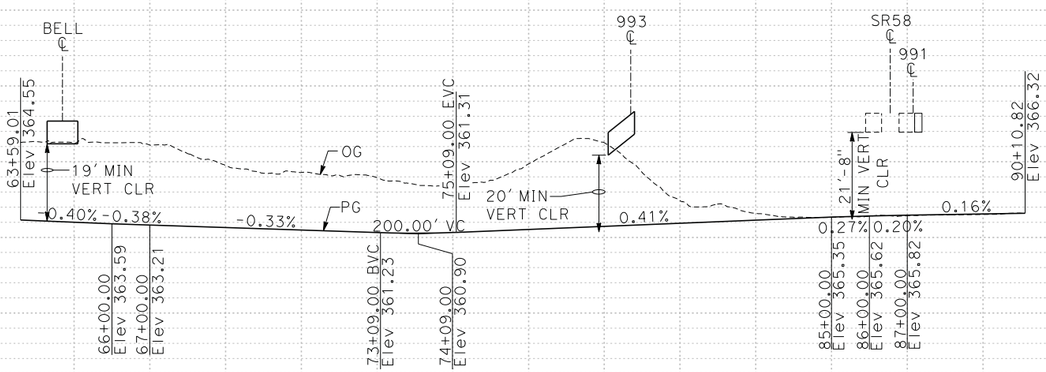


SUPERELEVATION DIAGRAM
MING AVENUE
NB SR99 SLIP ON RAMP
"MCD4"



PROFILE
MING AVENUE
NB SR99 SLIP ON RAMP
"MCD4"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-7

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DATE REVISED

STATION 65+00 75+00 85+00 TOTAL

CY Exc

Emb

LAST REVISION 03-27-15

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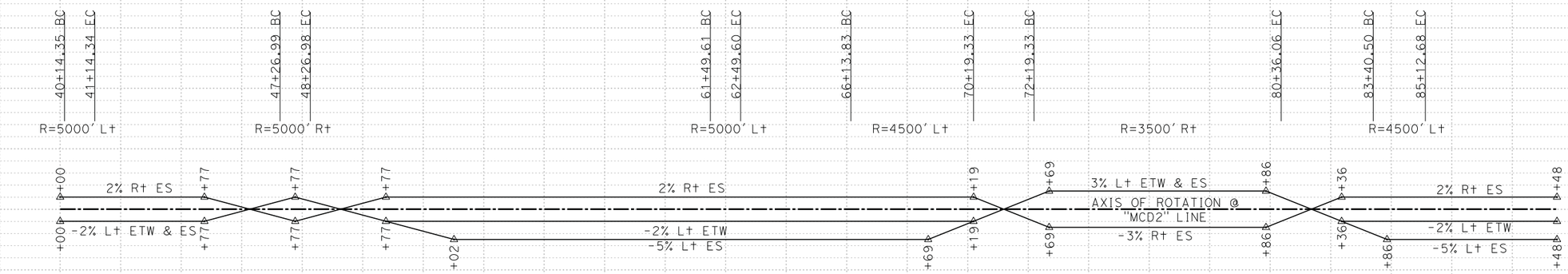
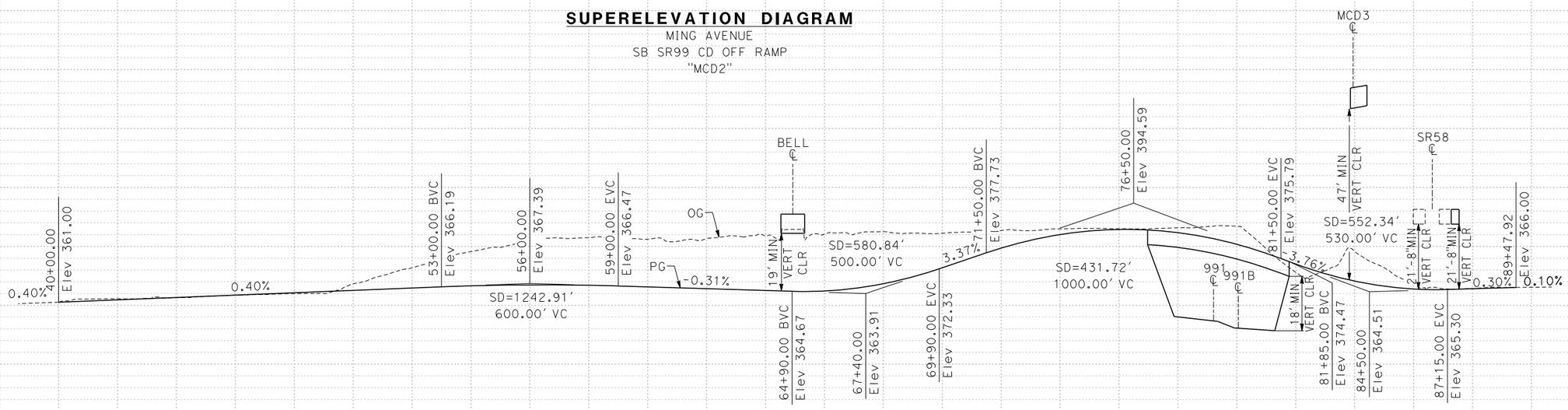


SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 CD OFF RAMP
"MCD2"



PROFILE
MING AVENUE
SB SR99 CD OFF RAMP
"MCD2"

STATION	40+00	50+00	60+00	70+00	80+00	90+00	TOTAL
CY Exc							
CY Emb							

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-8

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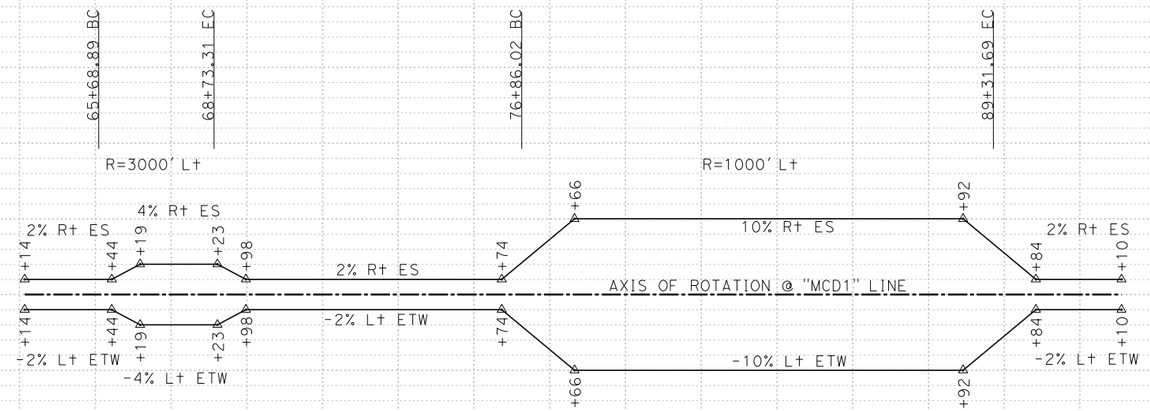
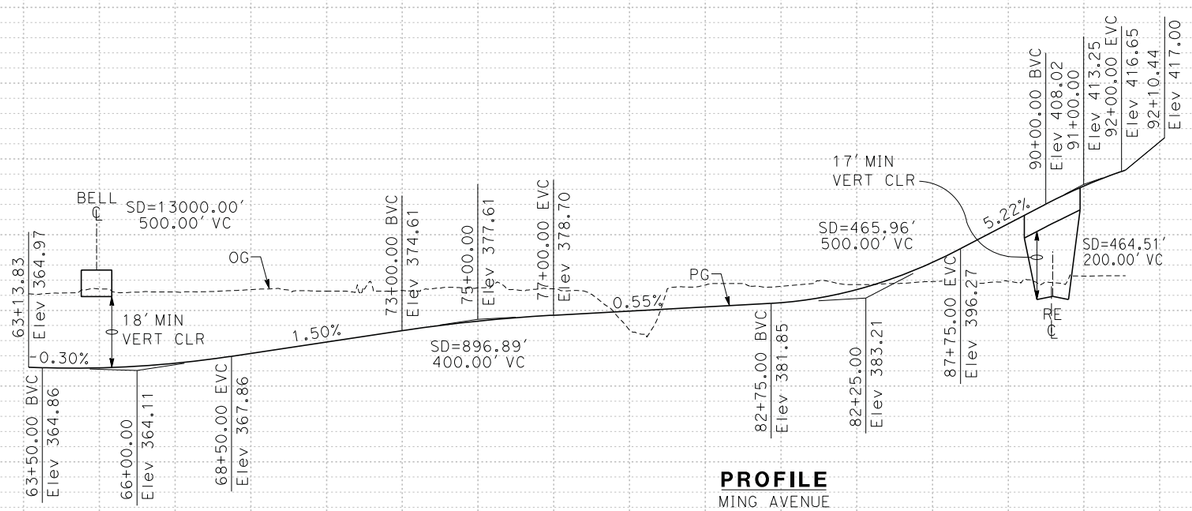


SUPERELEVATION DIAGRAM
MING AVENUE
EB SR58 CD OFF RAMP
"MCD1



PROFILE
MING AVENUE
EB SR58 CD OFF RAMP
"MCD1

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-9

STATION	65+00	75+00	85+00	95+00	TOTAL
CY Exc					
CY Emb					

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10%
5%
0%
-5%
-10%

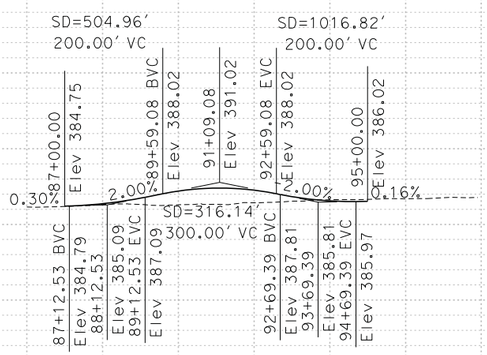
AXIS OF ROTATION @ "WIB" LINE

+00 -2% Rt ES & Lt ES +00

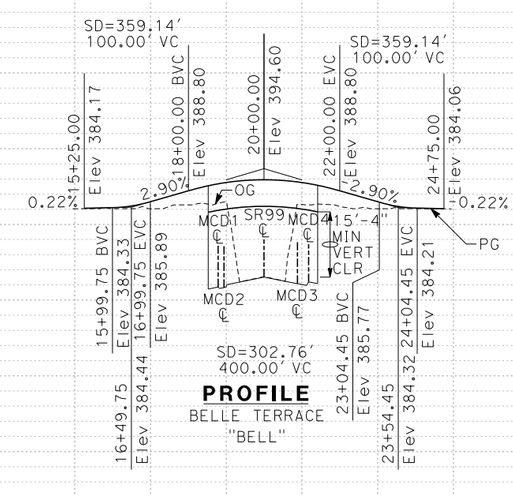
AXIS OF ROTATION @ "BELL" LINE

+25 -2% Rt ES & Lt ES +75

440
420
400
380
360
340



PROFILE
WIBLE RD
"WIB"



PROFILE
BELLE TERRACE
"BELL"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-10

STATION		90+00	100+00	15+00	25+00	TOTAL
CY	Exc					
	Emb					

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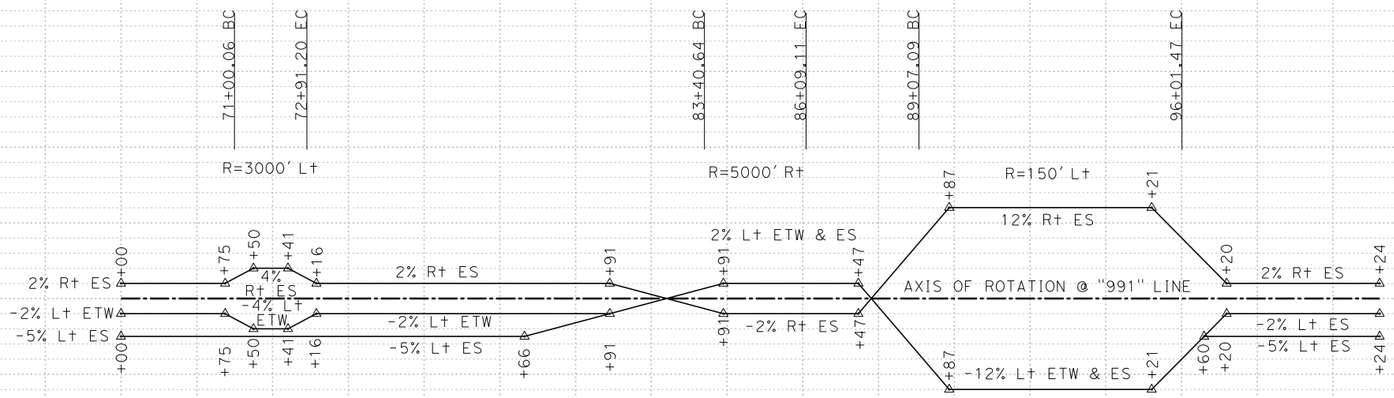
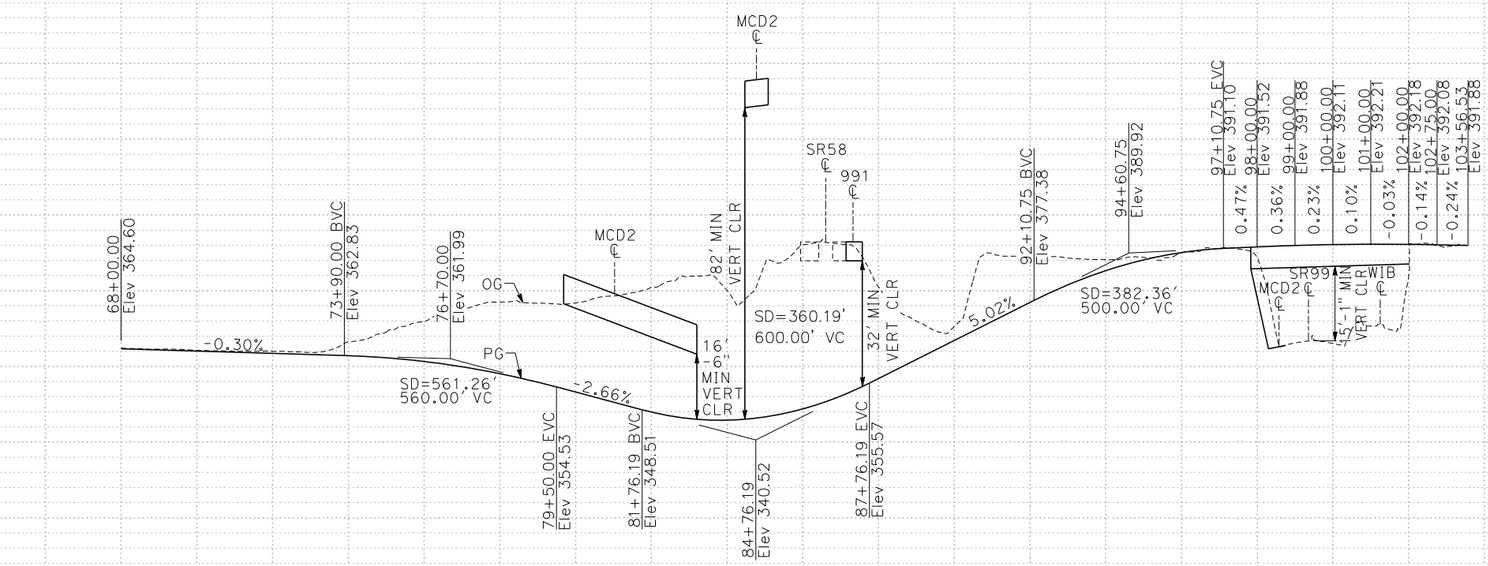


SUPERELEVATION DIAGRAM
WB SR58 TO
NB SR99 LOOP CONNECTOR
"991"



PROFILE
WB SR58 TO
NB SR99 LOOP CONNECTOR
"991"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-11

STATION	70+00	80+00	90+00	100+00	TOTAL
CY Exc					
CY Emb					

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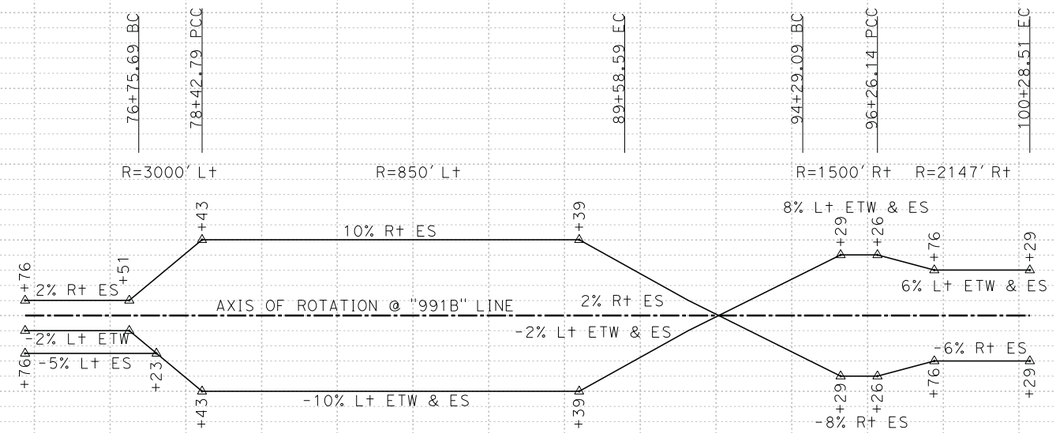
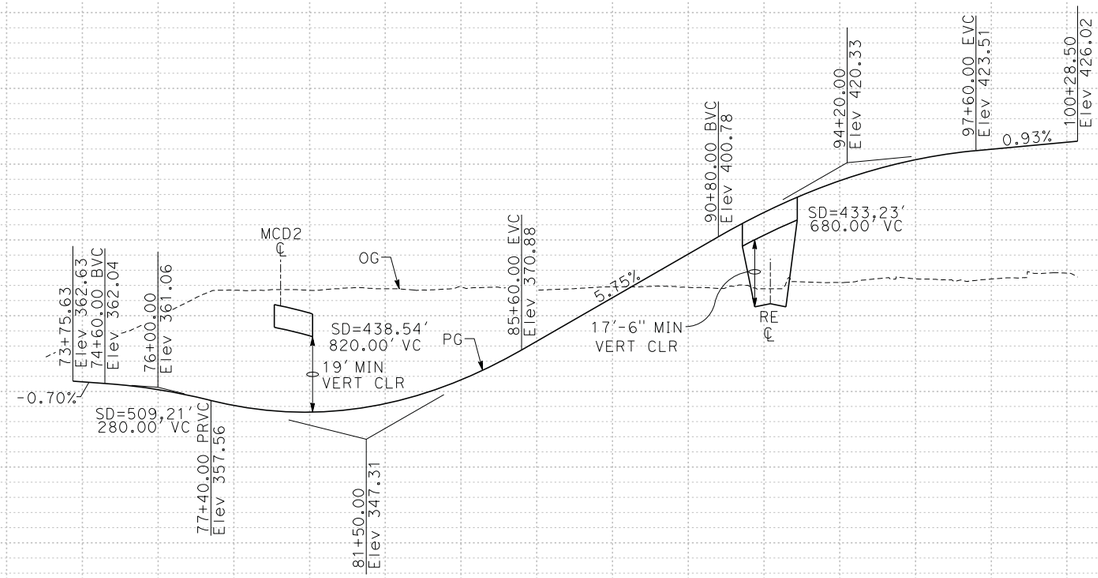


SUPERELEVATION DIAGRAM

EB SR58 TO
SB SR99 CONNECTOR
"991B"



PROFILE

EB SR58 TO
SB SR99 CONNECTOR
"991B"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-12

STATION	70+00	80+00	90+00	100+00	TOTAL
CY Exc					
CY Emb					

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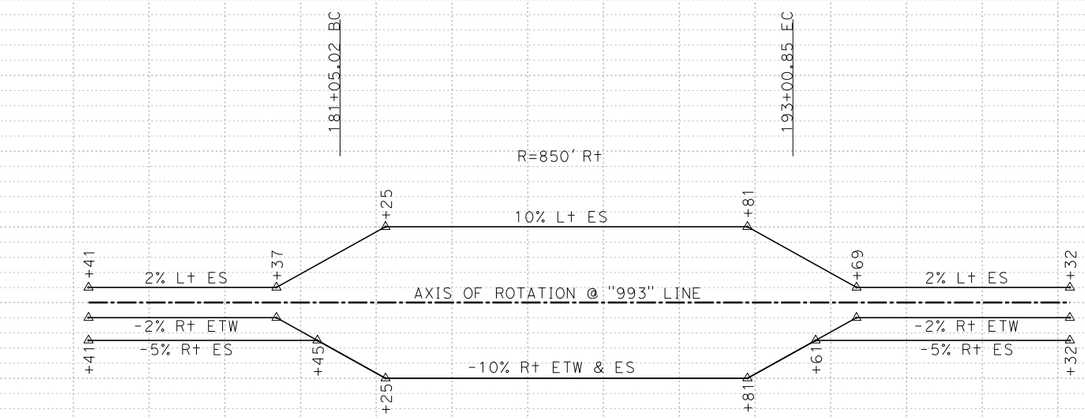
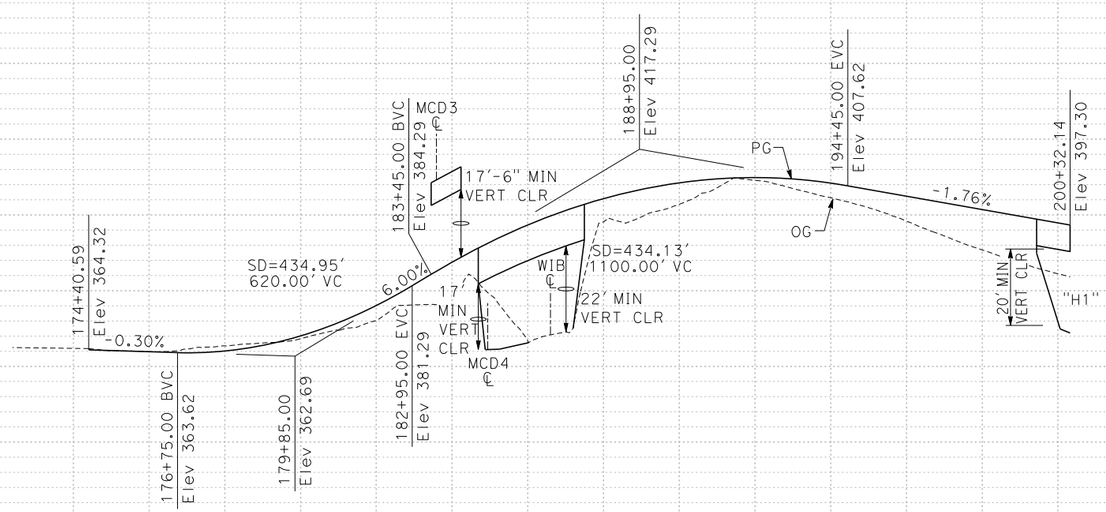


SUPERELEVATION DIAGRAM
NB SR99 TO
EB SR58 CONNECTOR
"993"



PROFILE
NB SR99 TO
EB SR58 CONNECTOR
"993"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-13

STATION	180+00	190+00	200+00	TOTAL
CY Exc				
CY Emb				

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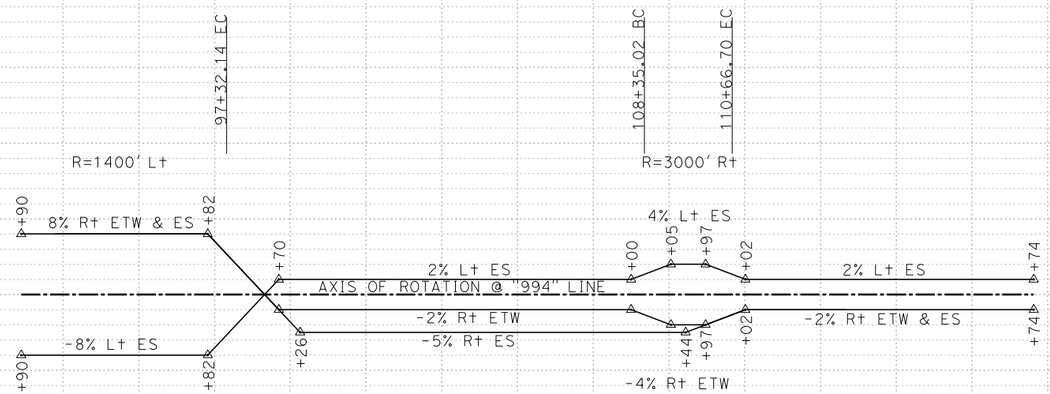
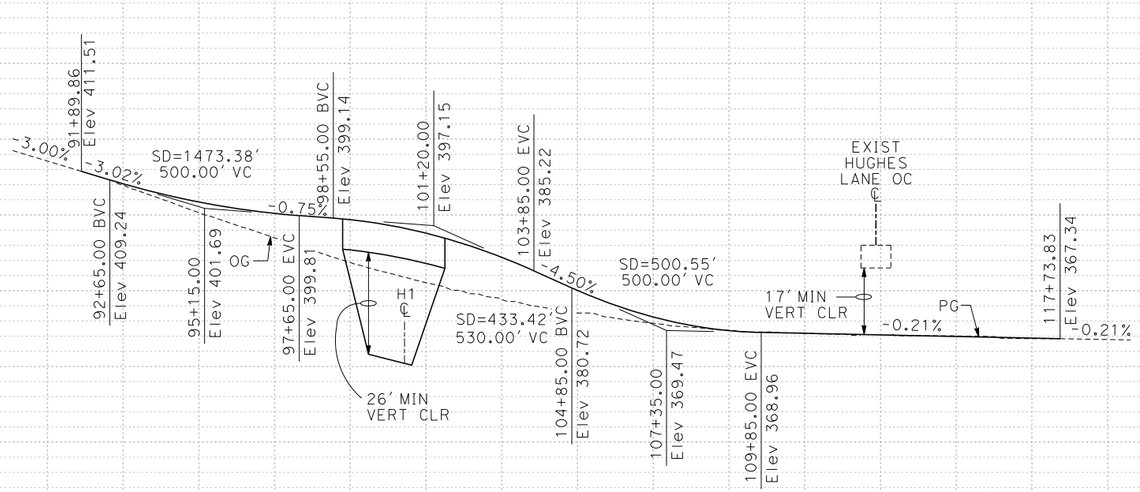


SUPERELEVATION DIAGRAM

SB/NB SR99 CD
TO EB SR58 CONNECTOR
"994"



PROFILE

SB/NB SR99 CD
TO EB SR58 CONNECTOR
"994"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-14

STATION	95+00	105+00	115+00	TOTAL
CY Exc				
CY Emb				

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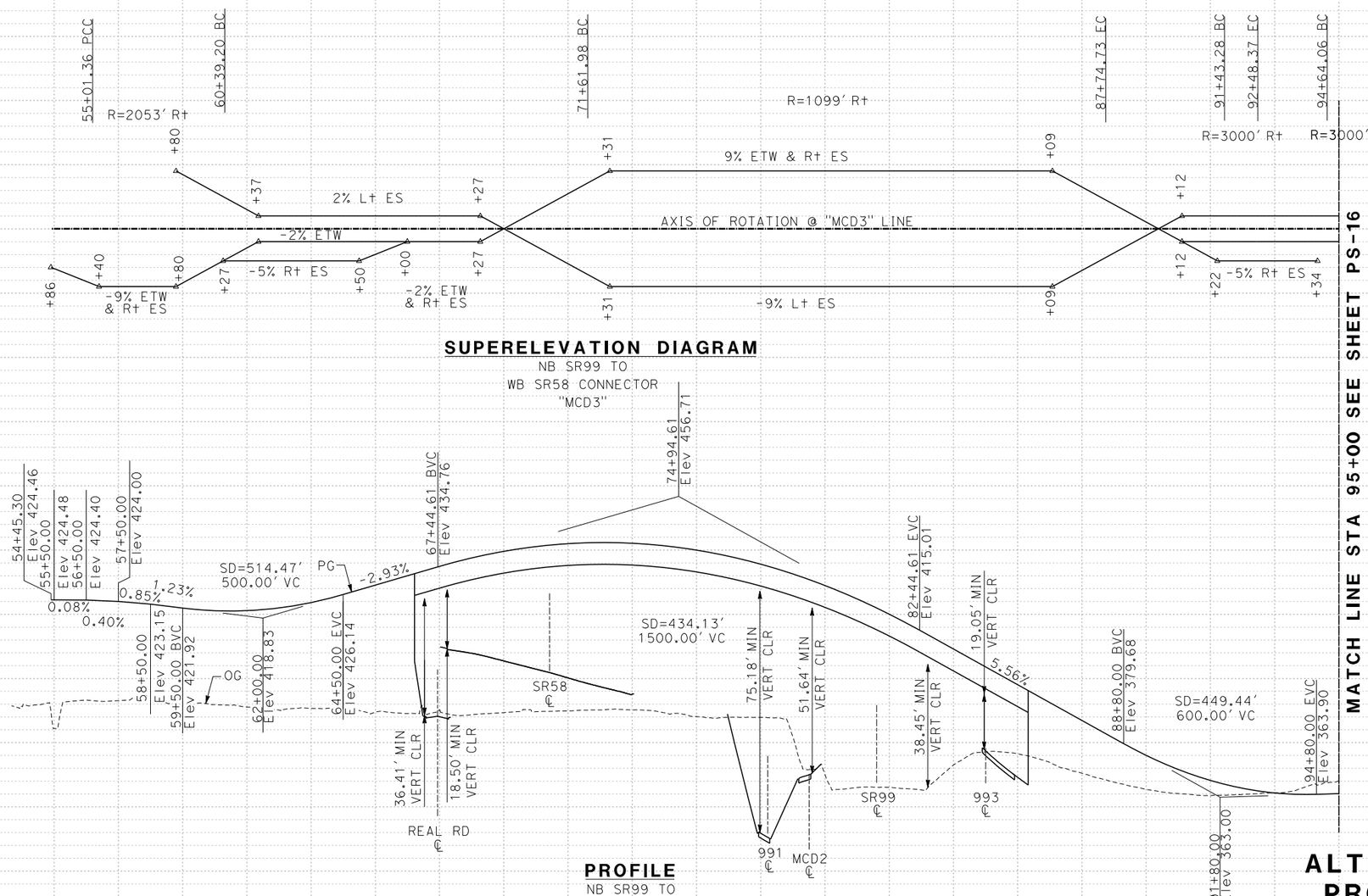

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-15

STATION	55+00	65+00	75+00	85+00	95+00	TOTAL
CY Exc						
CY Emb						

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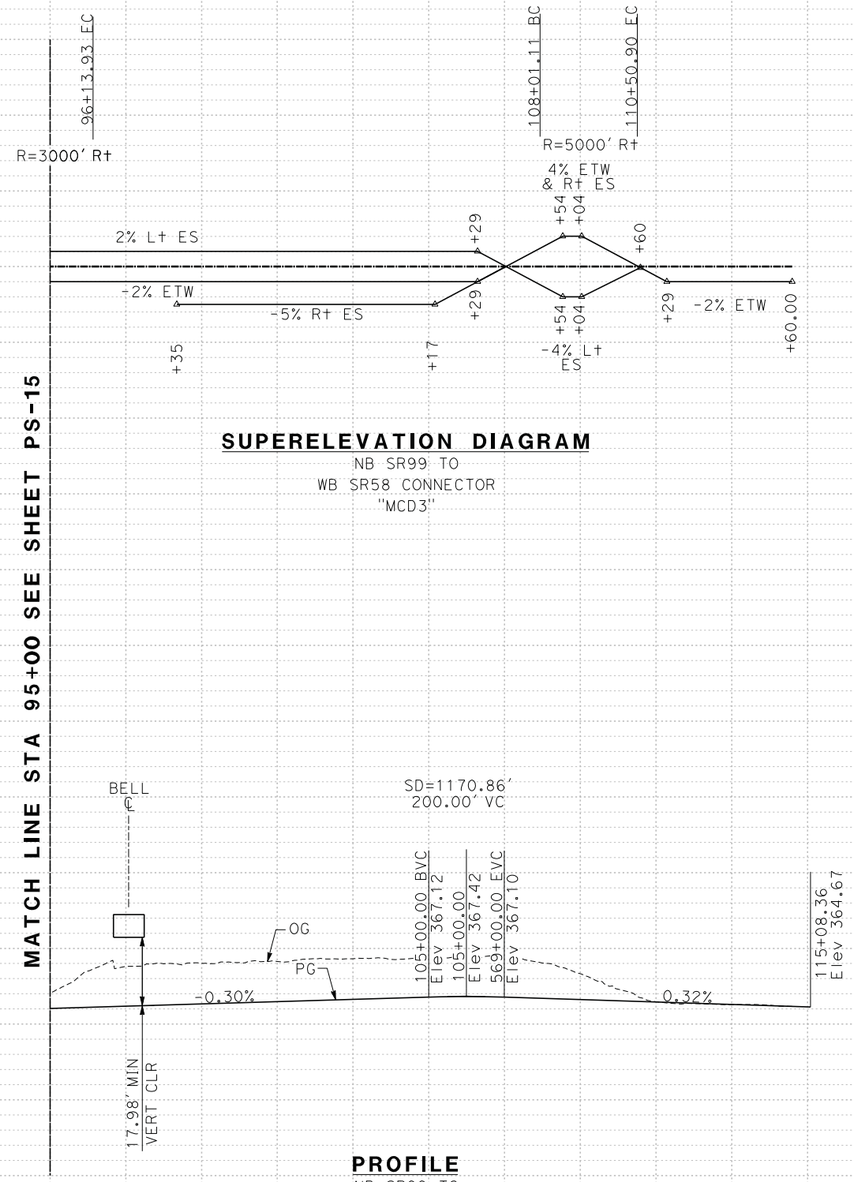

SUPERELEVATION DIAGRAM
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

PROFILE
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-16

STATION		95+00	105+00	115+00	TOTAL
CY	Exc				
	Emb				

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10% 5% 0% -5% -10% 460 440 420 400 380 360 340

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DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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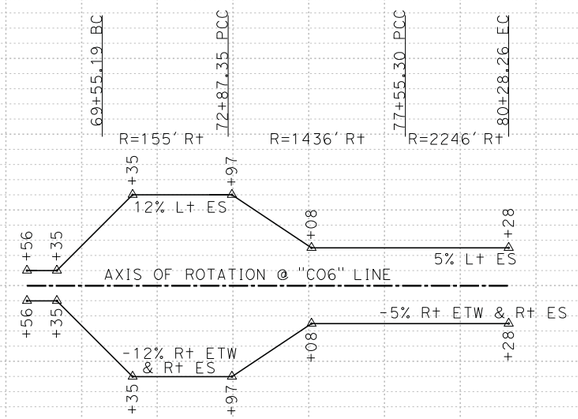
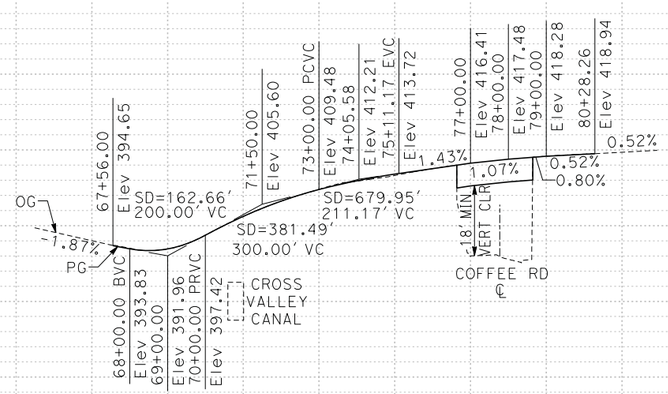
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
COFFEE RD
EB SR58 LOOP ON RAMP
"CO6"



PROFILE
COFFEE RD
EB SR58 LOOP ON RAMP
"CO6"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-17

STATION	65+00	75+00	85+00	TOTAL
CY Exc				
CY Emb				

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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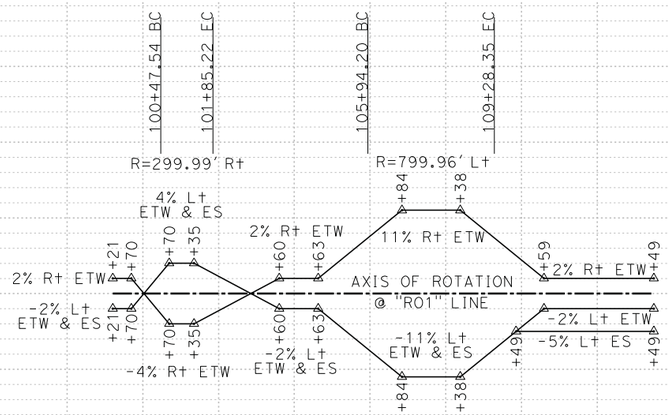
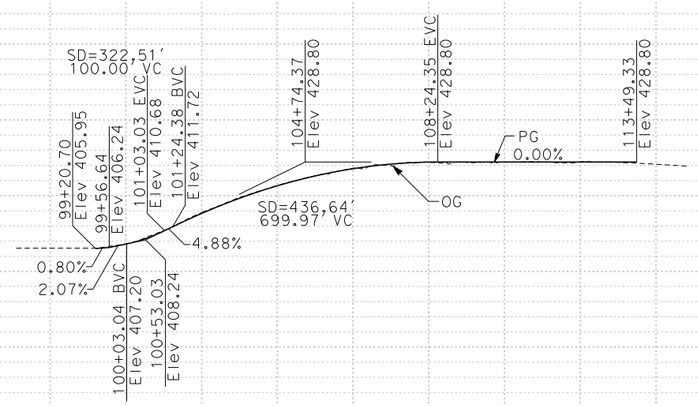
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
ROSEDALE HWY
SB SR99 OFF RAMP
"R01"



PROFILE
ROSEDALE HWY
SB SR99 OFF RAMP
"R01"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-18

STATION	100+00	110+00	120+00	TOTAL
CY Exc				
CY Emb				

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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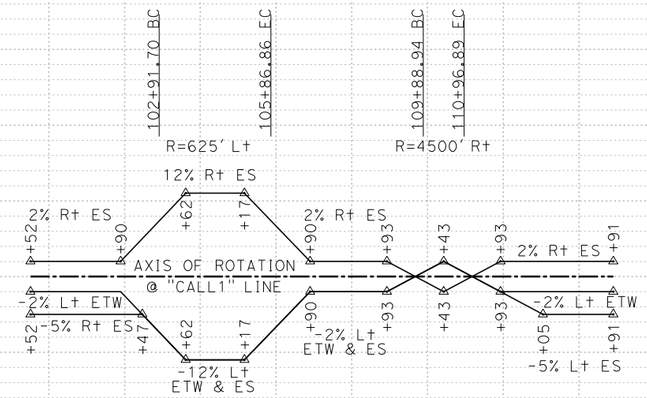
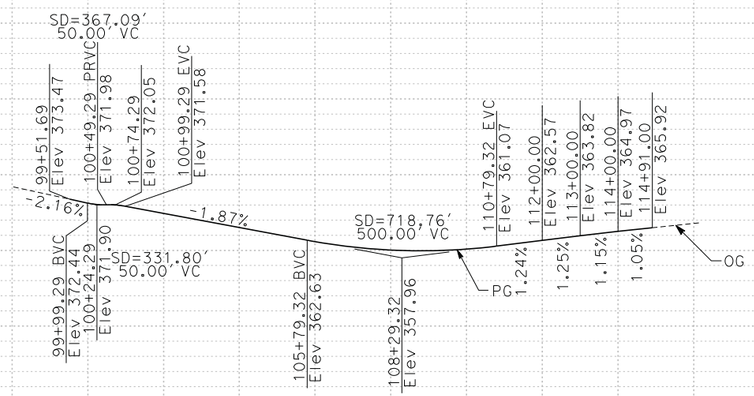


SUPERELEVATION DIAGRAM
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"



PROFILE
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-19

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STATION: 100+00, 110+00, 120+00 | TOTAL

CY Exc | CY Emb

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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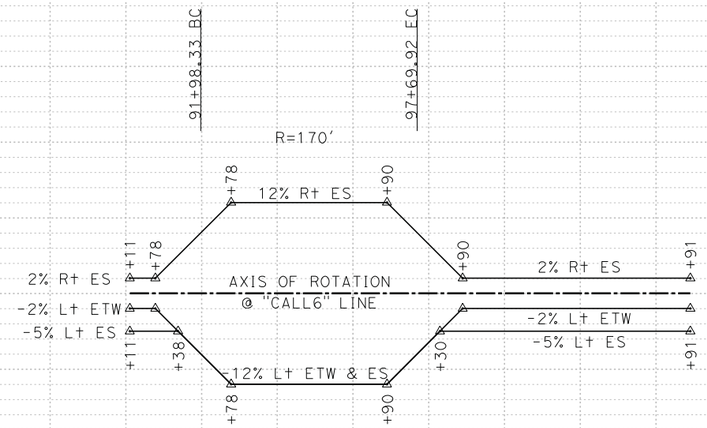
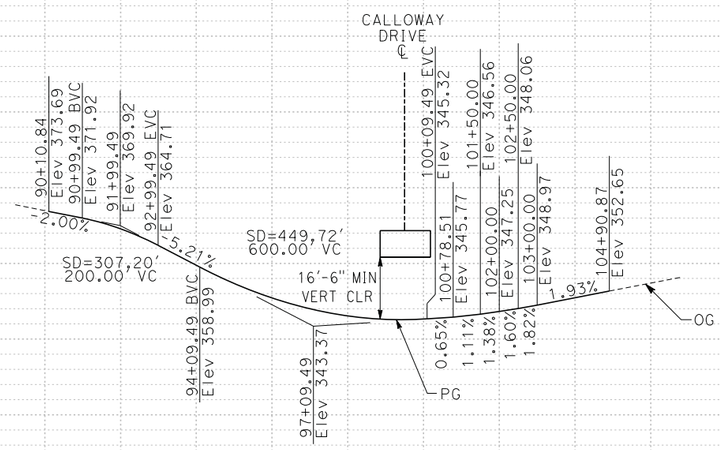


SUPERELEVATION DIAGRAM
CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"



PROFILE
CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-20

STATION		90+00	100+00	110+00	TOTAL
CY	Exc				
	Emb				

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DATE REVISED

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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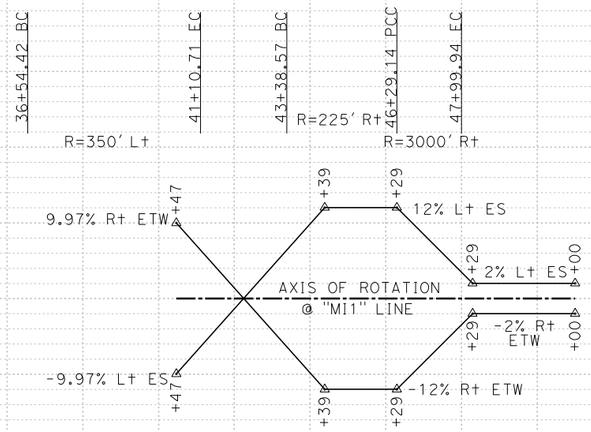
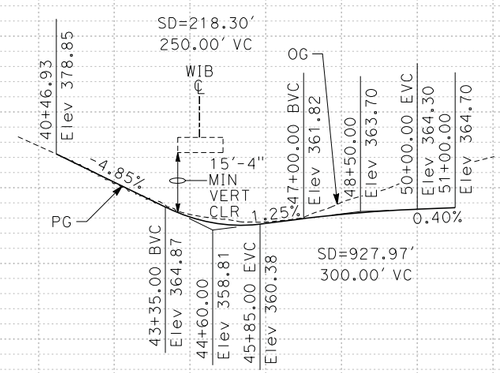


SUPERELEVATION DIAGRAM
MING AVENUE
NB SR99 ON RAMP
"MI1"



PROFILE
MING AVENUE
NB SR99 ON RAMP
"MI1"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-21

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DATE REVISED

STATION 40+00 50+00 TOTAL
CY Exc
Emb

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TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010
USERNAME => $USER
DGN FILE => $REQUEST
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE
EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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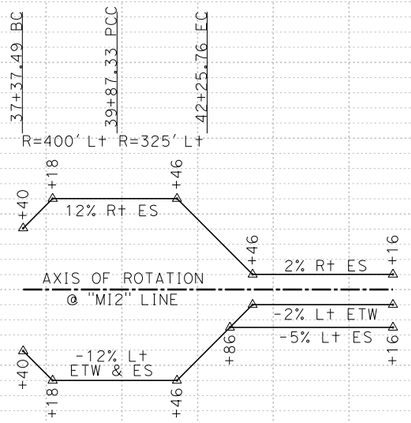
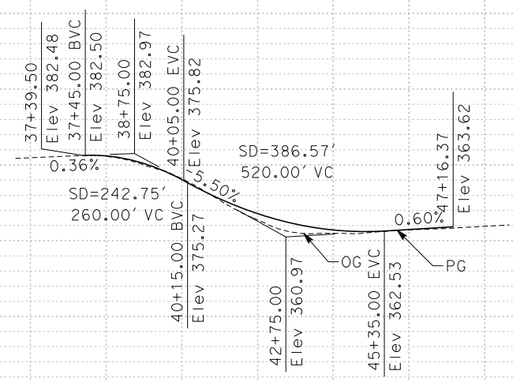
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 CD OFF RAMP
"MI2"



PROFILE
MING AVENUE
SB SR99 CD OFF RAMP
"MI2"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-22

STATION	30+00	40+00	50+00	TOTAL
CY Exc				
CY Emb				

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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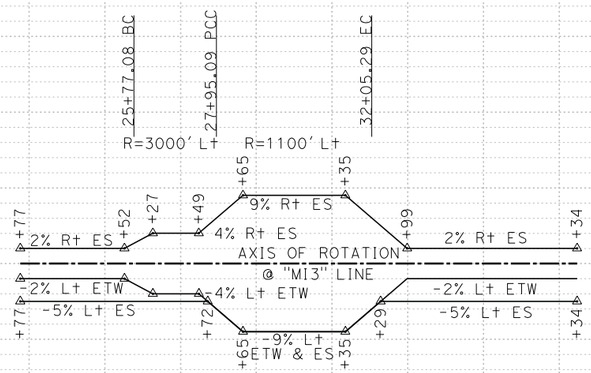
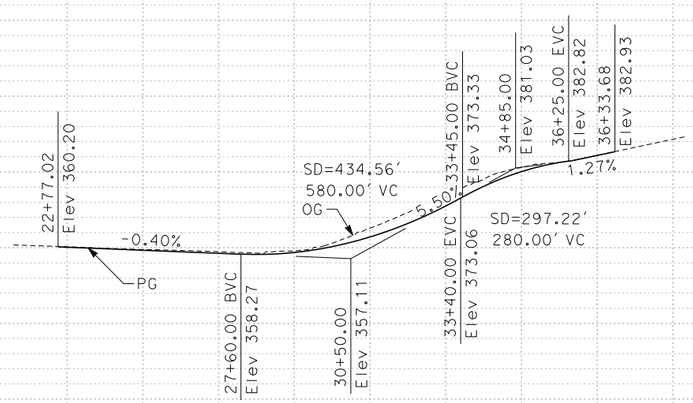


SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 ON RAMP
"MI3"



PROFILE
MING AVENUE
SB SR99 ON RAMP
"MI3"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-23

STATION	15+00	25+00	35+00	TOTAL
CY Exc				
CY Emb				

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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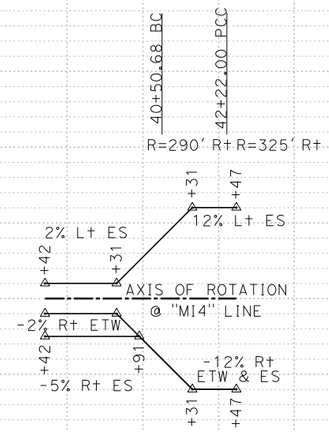
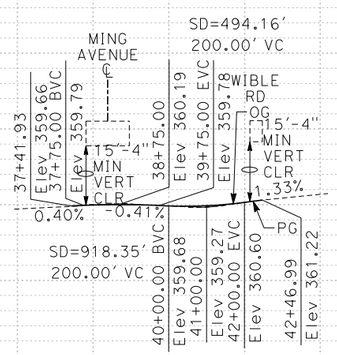


SUPERELEVATION DIAGRAM
MING AVENUE
NB SR99 LOOP OFF RAMP
"MI4"



PROFILE
MING AVENUE
NB SR99 LOOP OFF RAMP
"MI4"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-24

STATION	30+00	40+00	50+00	TOTAL
CY Exc				
CY Emb				

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DATE REVISED

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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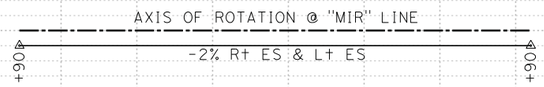
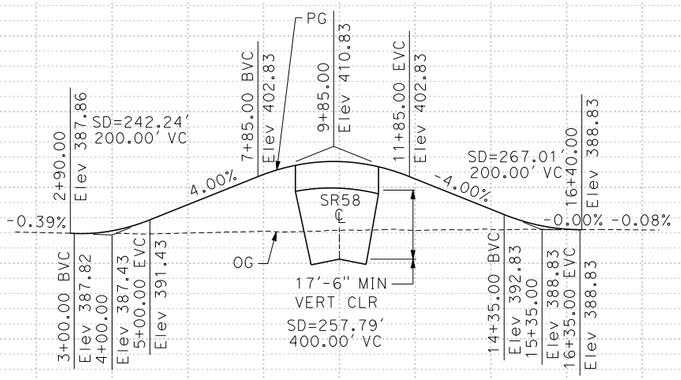
BAKERSFIELD, CALIFORNIA 93301

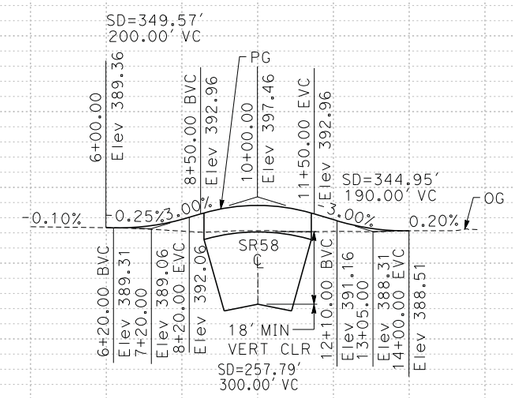


SUPERELEVATION DIAGRAM
LA MIRADA
OC
"MIR"



PROFILE
LA MIRADA
OC
"MIR"

SUPERELEVATION DIAGRAM
MARELLA WAY
"MAR"



PROFILE
MARELLA WAY
"MAR"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-25

STATION	0+00	10+00	20+00	0+00	10+00	20+00	TOTAL
CY Exc							
CY Emb							

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DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

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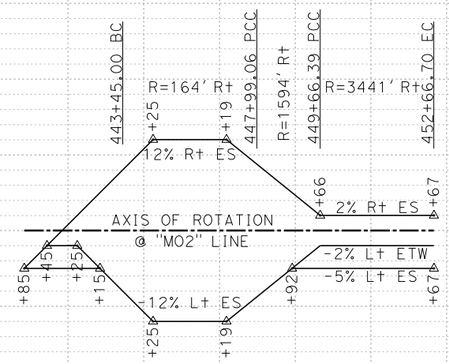
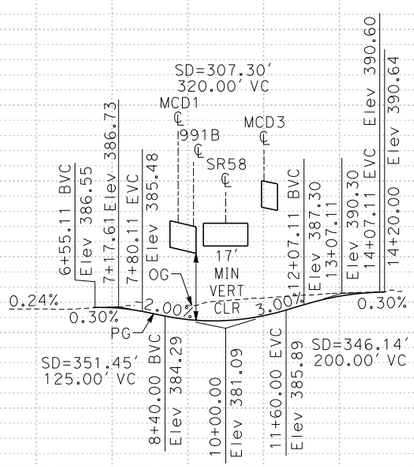
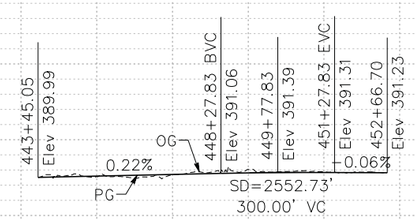
SUPERELEVATION DIAGRAM
REAL RD
UC
"RE"



SUPERELEVATION DIAGRAM
WB SR-58
MOHAWK ON RAMP
"MO2"



PROFILE
REAL RD
UC
"RE"



PROFILE
WB SR-58
MOHAWK ON RAMP
"MO2"

ALTERNATIVE B
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-26

STATION	5+00	15+00	445+00	455+00	TOTAL
CY Exc					
CY Emb					

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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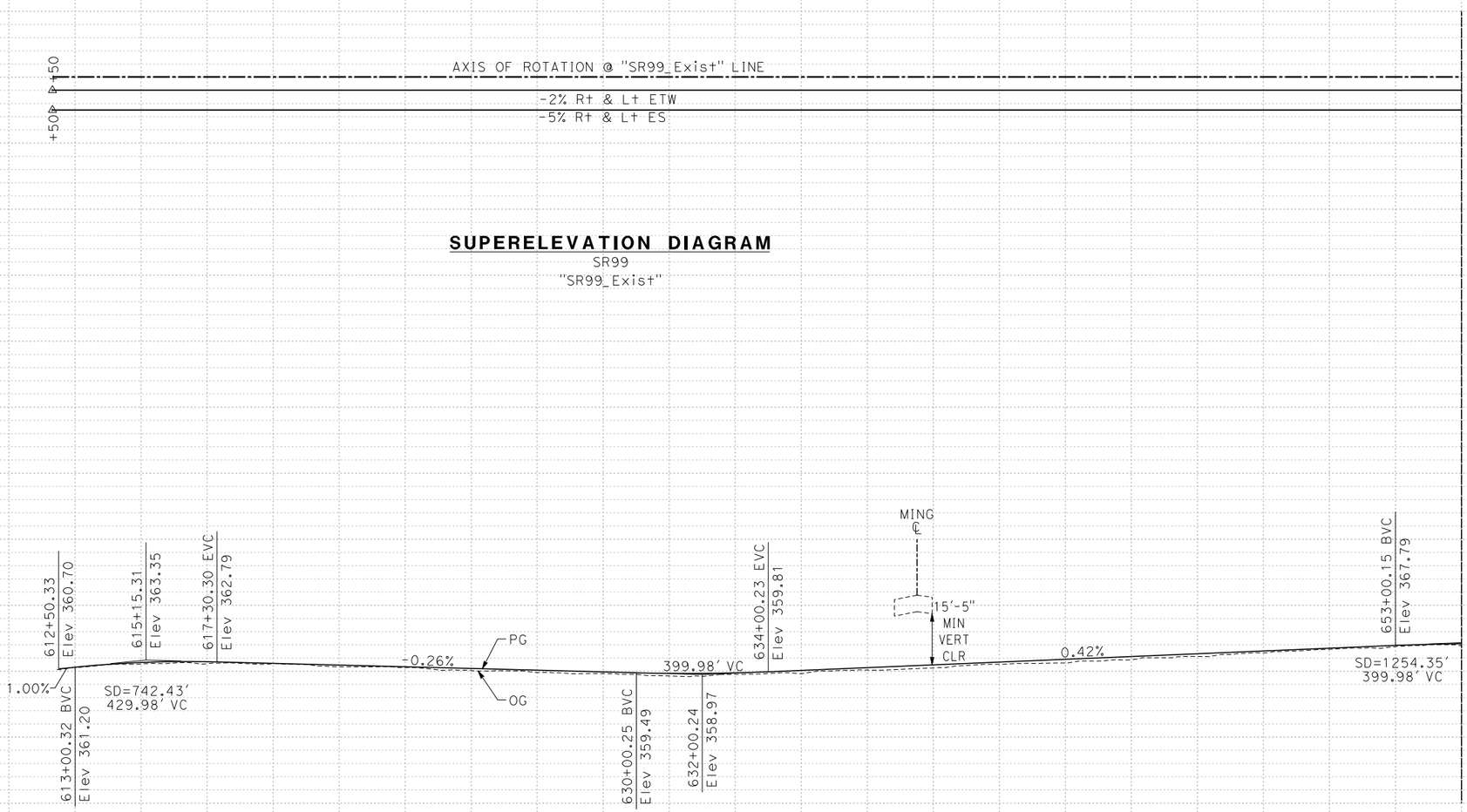
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-27

STATION	615+00	625+00	635+00	645+00	655+00	TOTAL
CY Exc						
CY Emb						

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
CONSULTANT FUNCTIONAL SUPERVISOR
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. 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.

PARSONS
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

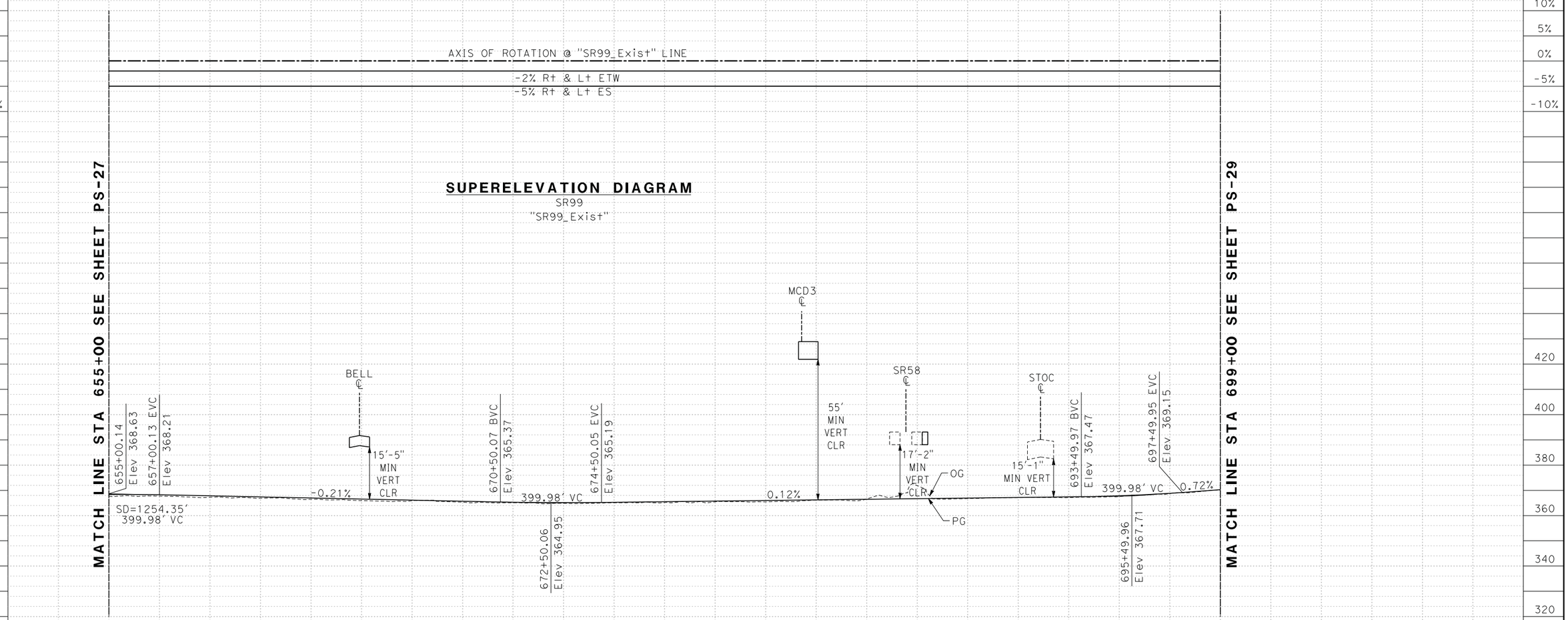
REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans



ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-28

STATION	655+00	665+00	675+00	685+00	695+00	TOTAL
CY Exc						
CY Emb						

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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SAN DIEGO, CALIFORNIA 92101

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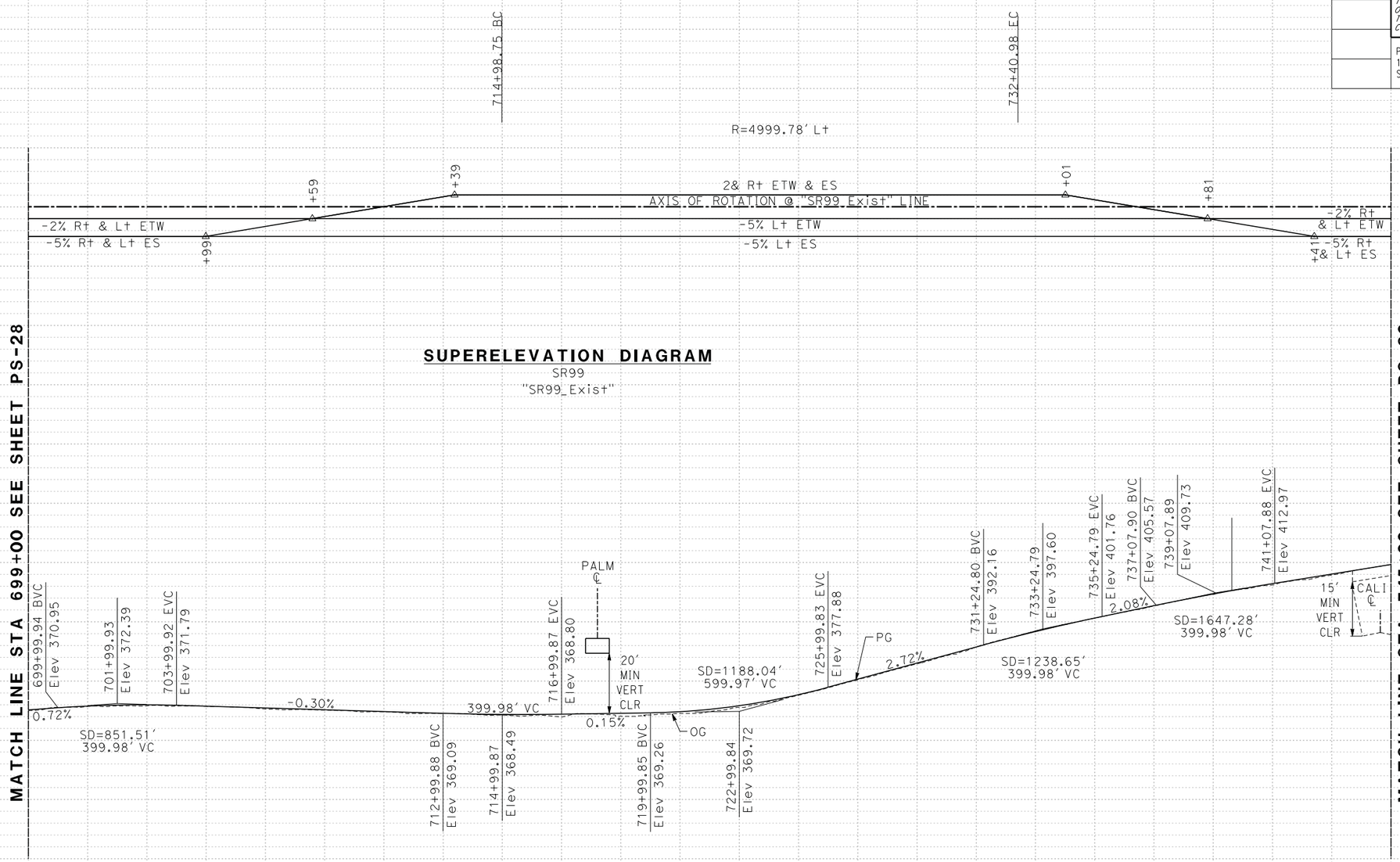
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-29

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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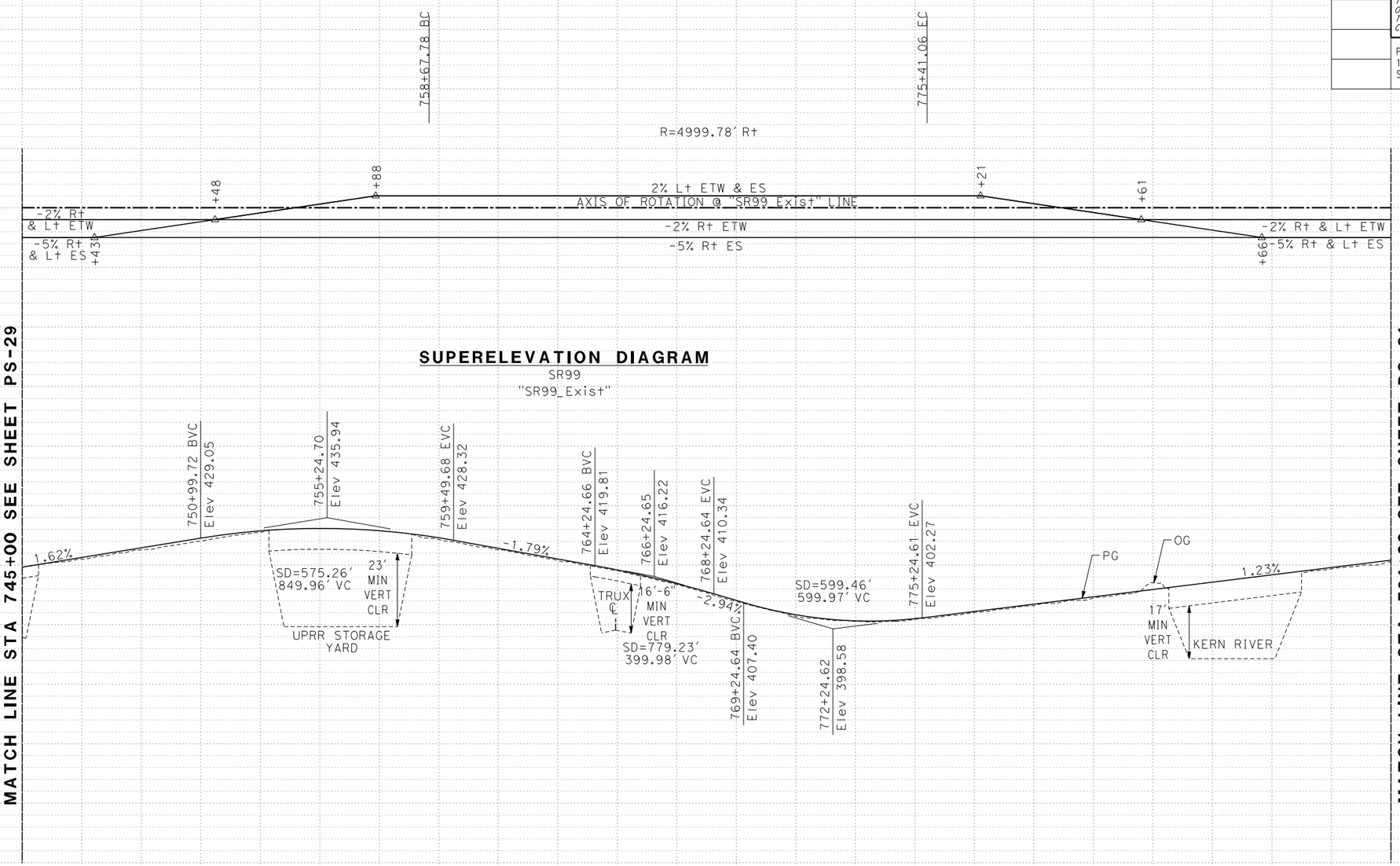
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE B PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-30

STATION	745+00	755+00	765+00	775+00	785+00	TOTAL
CY Exc						
CY Emb						

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

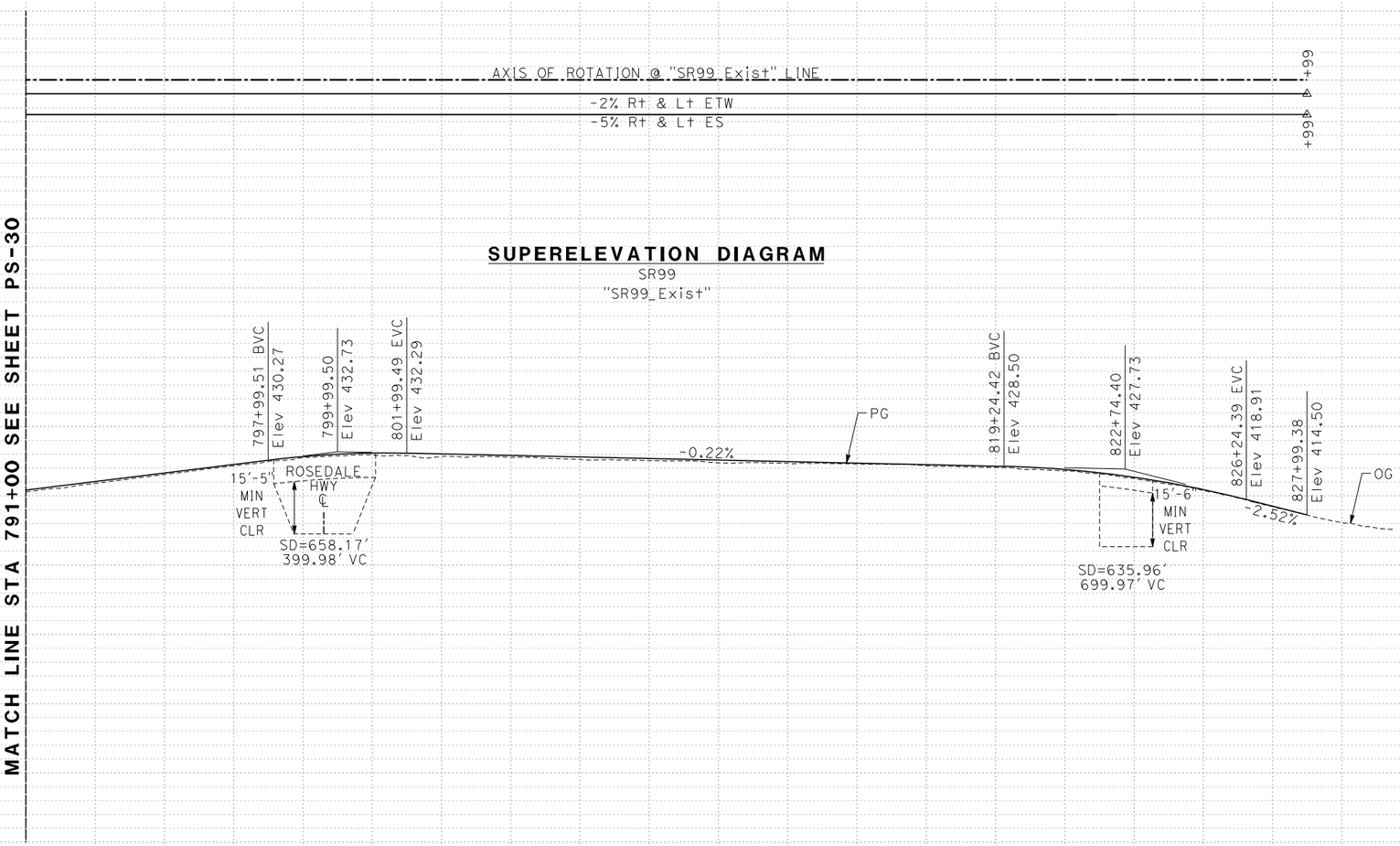
REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

10% 5% 0% -5% -10%

460 440 420 400 380 360 340 320 300

STATION	795+00	805+00	815+00	825+00	835+00	TOTAL
CY Exc						
CY Emb						

ALTERNATIVE B
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-31

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

STRUCTURAL SYSTEMS	
1 0.85′ JPCP 0.35′ LCB	SR-58 AND SR-99 TRAVELED WAY
2 0.50′ HMA (TYPE A) 0.65′ CL2-AB	RAMP TRAVELED WAY/SHOULDERS SR-58 AND SR-99 SHOULDERS LOCAL STREETS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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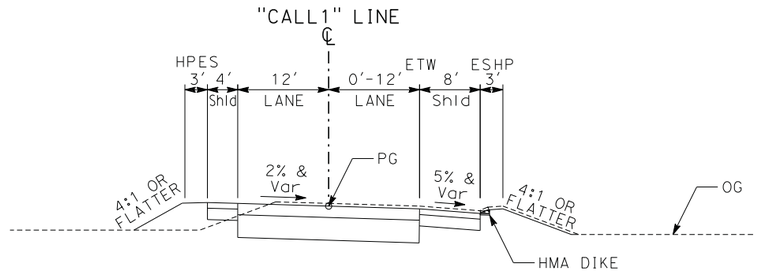
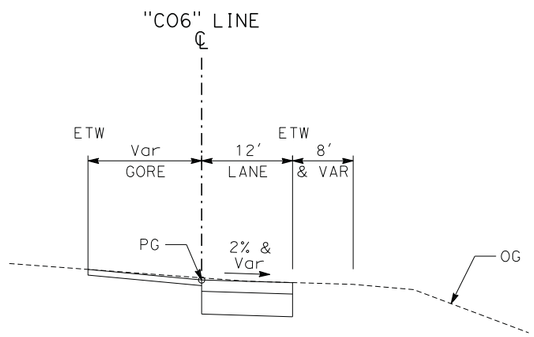
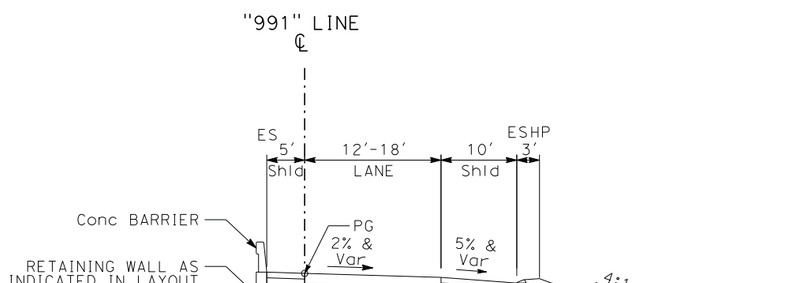
BAKERSFIELD, CALIFORNIA 93301



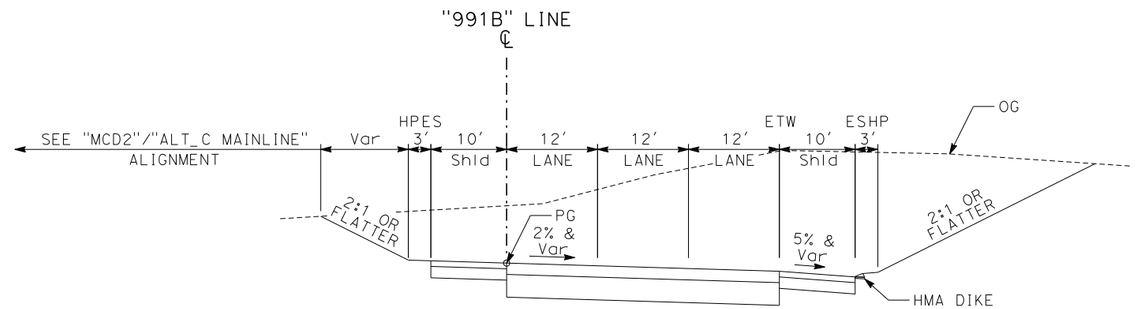
"CALL1" WB SR-58 OFF RAMP
Sta 105+55 TO Sta 114+91



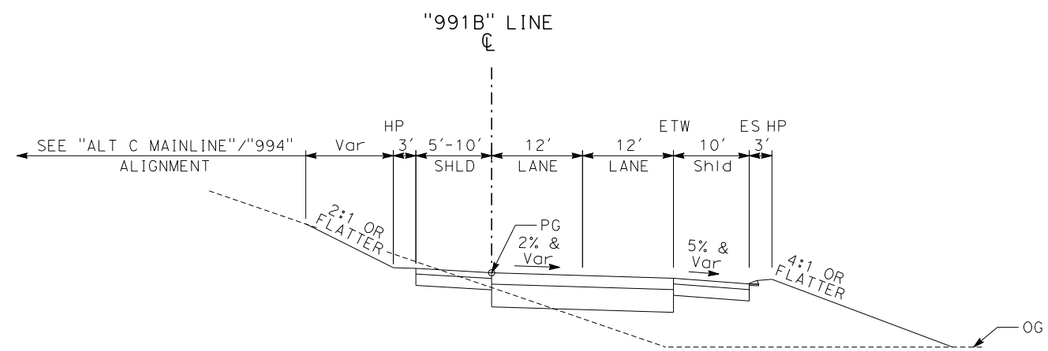
"C06" EB SR-58 ON RAMP
Sta 72+87 TO Sta 80+28



"991" SB SR-99 CONNECTOR
Sta 74+82 TO Sta 94+00



"991B" SB SR-99 CONNECTOR
Sta 94+00 TO Sta 114+54



"991B" SB SR-99 CONNECTOR
Sta 65+00 TO Sta 94+00

ALTERNATIVE C
TYPICAL CROSS SECTIONS
NO SCALE

X-1

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => $PLTDRV$$
Pen Table => $PENTBL$$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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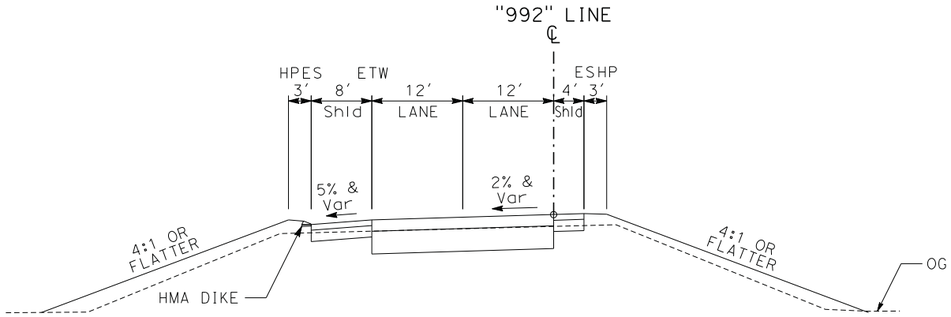
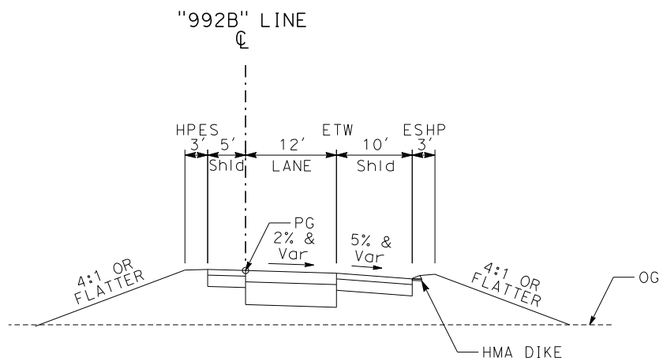
SAN DIEGO, CALIFORNIA 92101

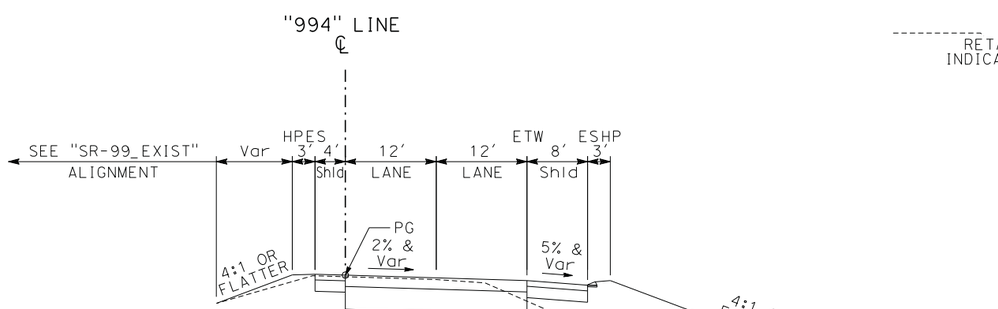
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



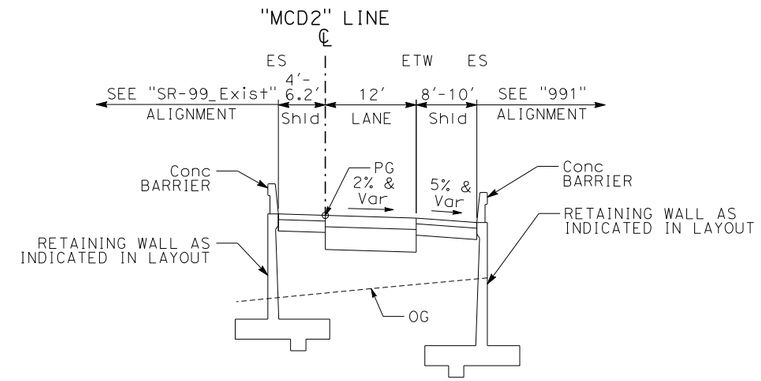
NB SR-99 CONNECTOR ("992" LINE)
Sta 88+72 TO Sta 102+06



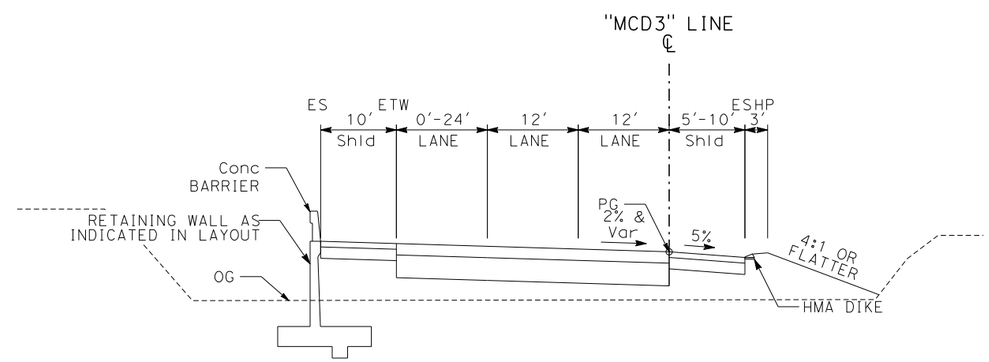
"992B" NB SR-99 CONNECTOR
Sta 24+26 TO Sta 45+35



"994" SB SR-99 CONNECTOR
Sta 63+21 TO Sta 722+83
Sta 102+02 TO Sta 118+55



"MCD2" SB SR-99 OFF RAMP
Sta 88+64 TO Sta 117+59



"MCD3" WB SR-58 CONNECTOR
Sta 31+00 TO Sta 78+85

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY	DATE REVISED

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CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

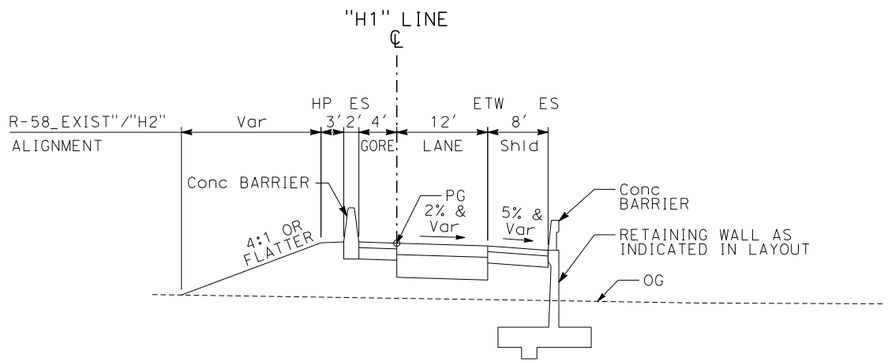
SCALE:=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

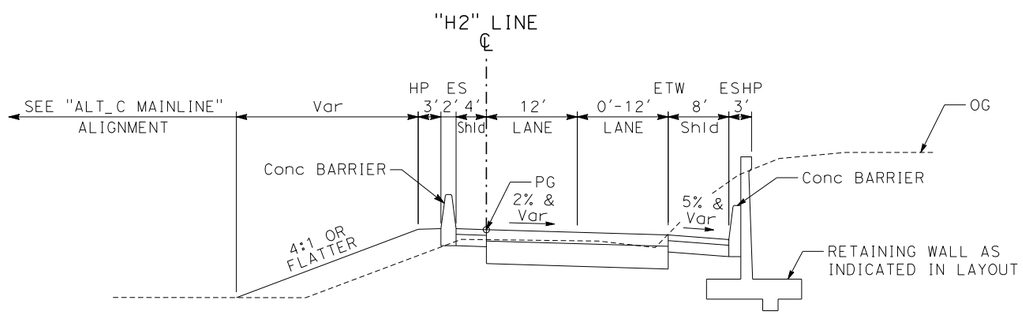
NOTES:

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

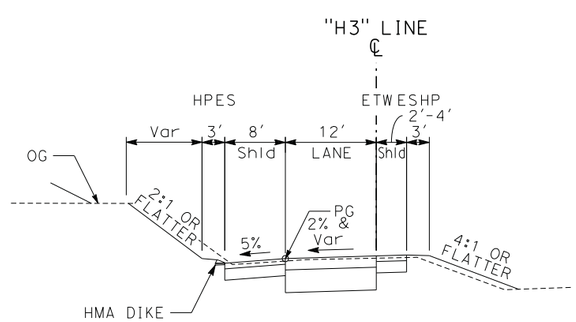
2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.



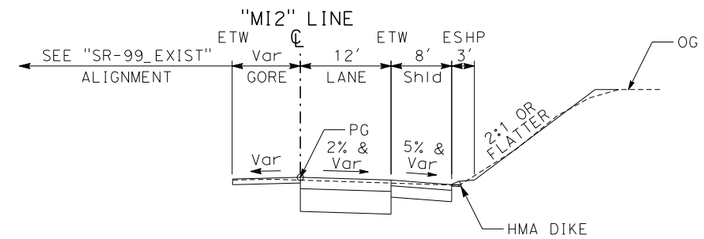
"H1" EB SR-58 OFF RAMP
Sta 89+00 TO Sta 128+56



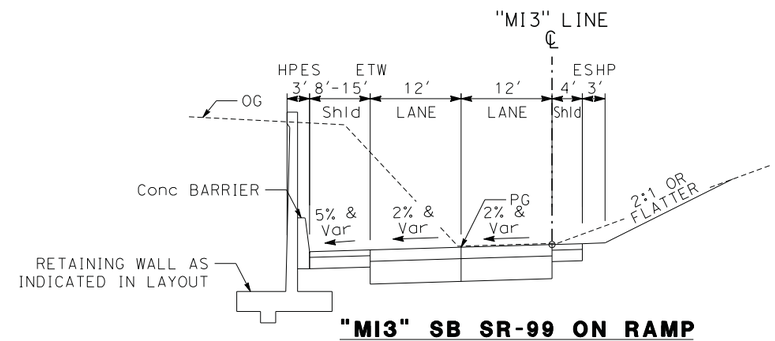
"H2" EB SR-58 OFF RAMP
Sta 20+00 TO Sta 38+38



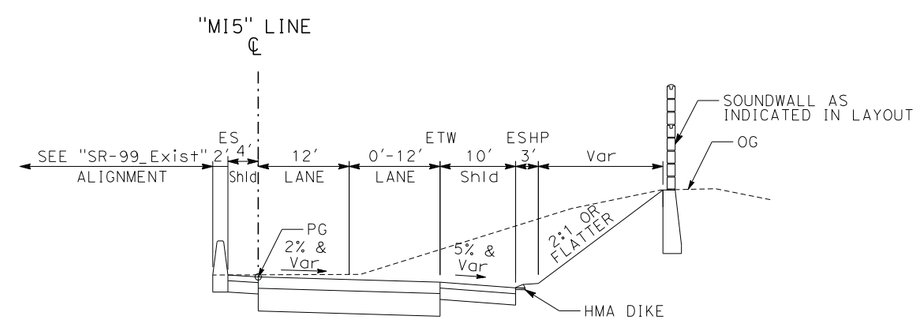
"H3" WB SR-58 ON RAMP
Sta 26+52 TO Sta 36+99



"MI2" SB SR-99 OFF RAMP
Sta 30+73 TO Sta 36+59



"MI3" SB SR-99 ON RAMP
Sta 22+00 TO Sta 32+70



"MI5" SB SR-99 OFF RAMP
Sta 17+17 TO Sta 42+23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

ALTERNATIVE C
TYPICAL CROSS SECTIONS
NO SCALE

X-3

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

SCALE=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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

2. SEE ADVANCE PLANNING STUDY FOR STRUCTURE CROSS SECTIONS.

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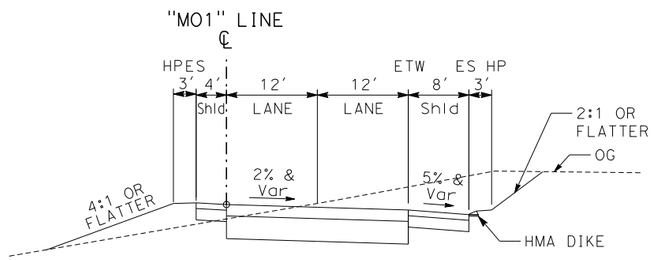
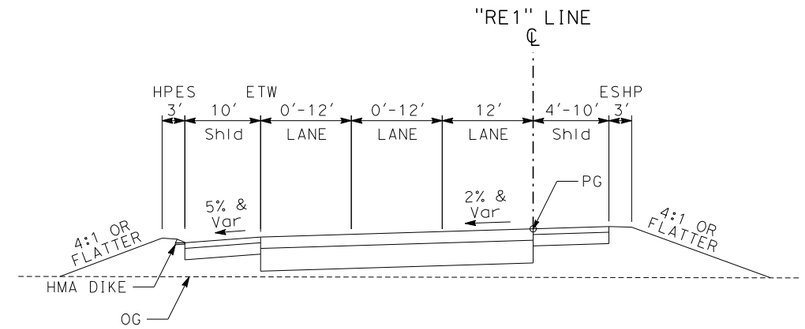
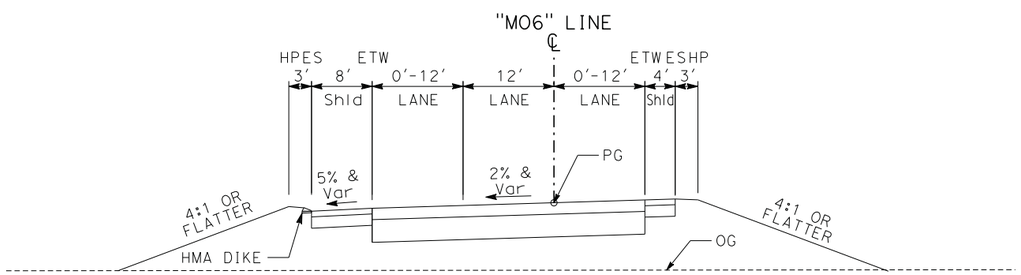


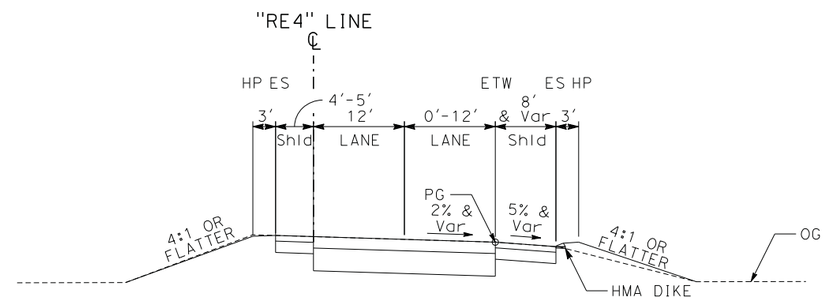
"MO1" EB SR-58 OFF RAMP
Sta 40+98 TO Sta 48+82



"RE1" WB SR-58 OFF RAMP
Sta 79+00 TO Sta 135+99



"MO6" WB SR-58 OFF RAMP
Sta 61+374 TO Sta 100+00



"RE4" EB SR-58 ON RAMP
Sta 77+00 TO Sta 81+82
Sta 90+21 TO Sta 108+55

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-4

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CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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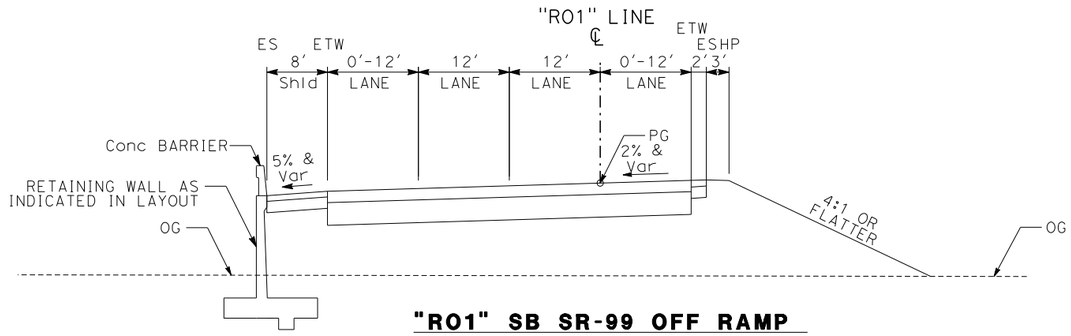
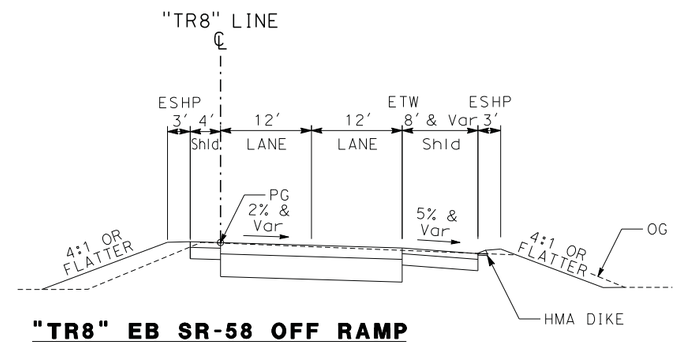
BAKERSFIELD, CALIFORNIA 93301



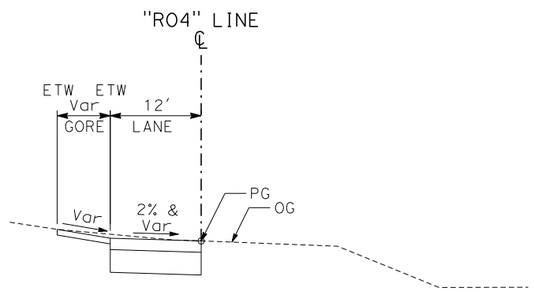
"R01" SB SR-99 OFF RAMP

Sta 100+11 TO Sta 113+49



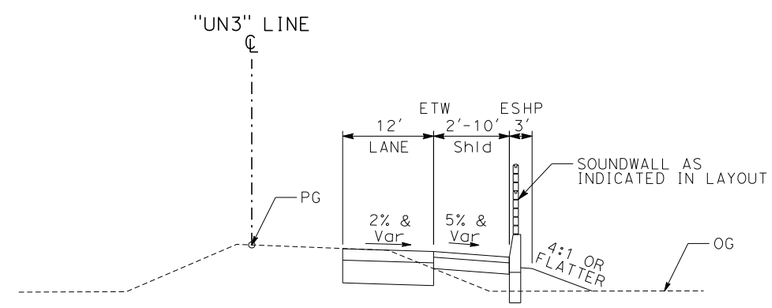
"TR8" EB SR-58 OFF RAMP

Sta 77+75 TO Sta 88+17



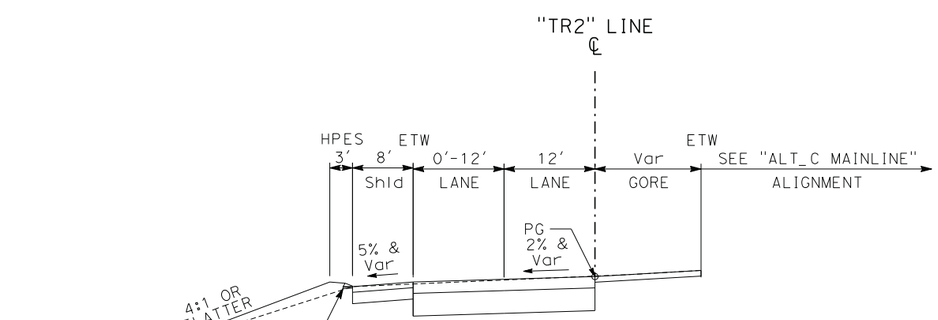
"R04" NB SR-99 OFF RAMP

Sta 86+40 TO Sta 91+42



"UN3" EB SR-58 OFF RAMP

Sta 80+73 TO Sta 89+41



"TR2" WB SR-58 ON RAMP

Sta 68+50 TO Sta 76+58

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-5

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Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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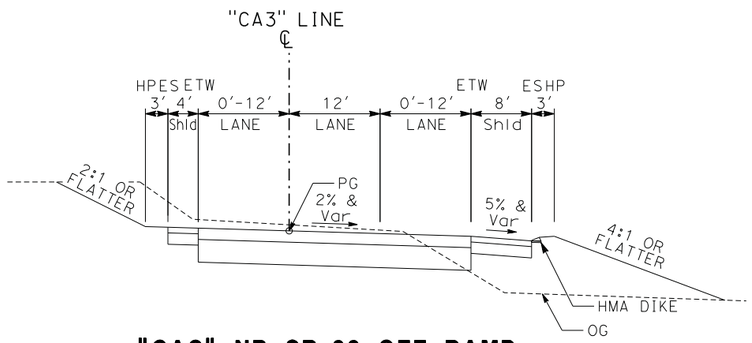
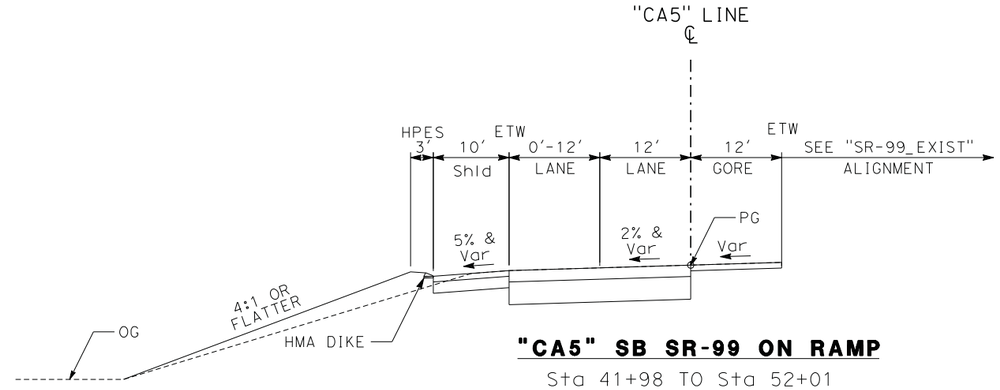
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



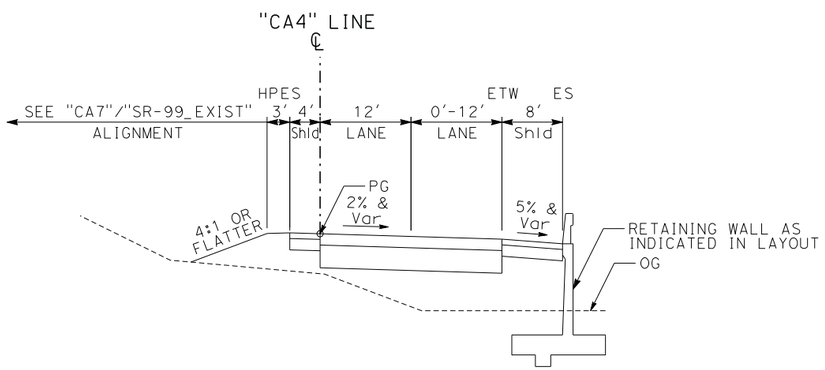
"CA3" NB SR-99 OFF RAMP

Sta 27+00 TO Sta 43+74



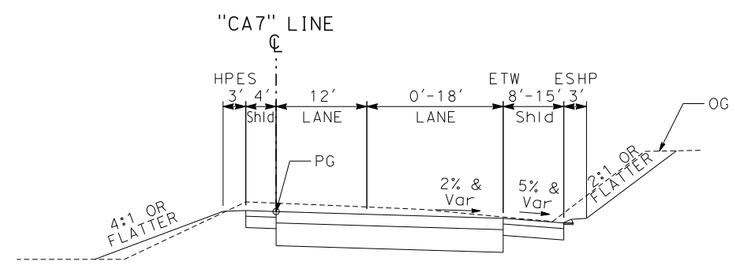
"CA5" SB SR-99 ON RAMP

Sta 41+98 TO Sta 52+01



"CA4" NB SR-99 ON RAMP

Sta 46+23 TO Sta 72+00



"CA7" NB SR-99 ON RAMP

Sta 35+38 TO Sta 57+00

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-6

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => x $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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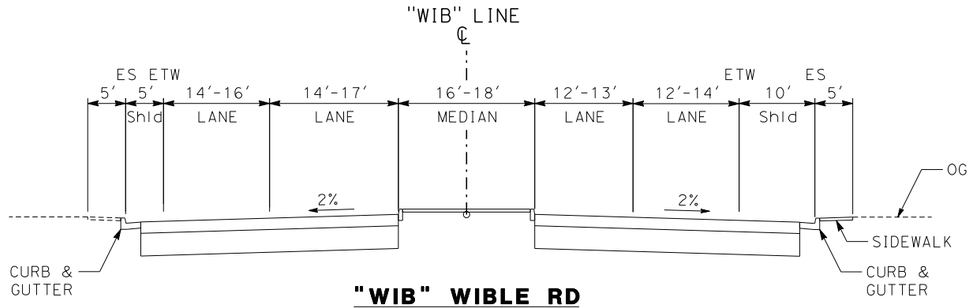
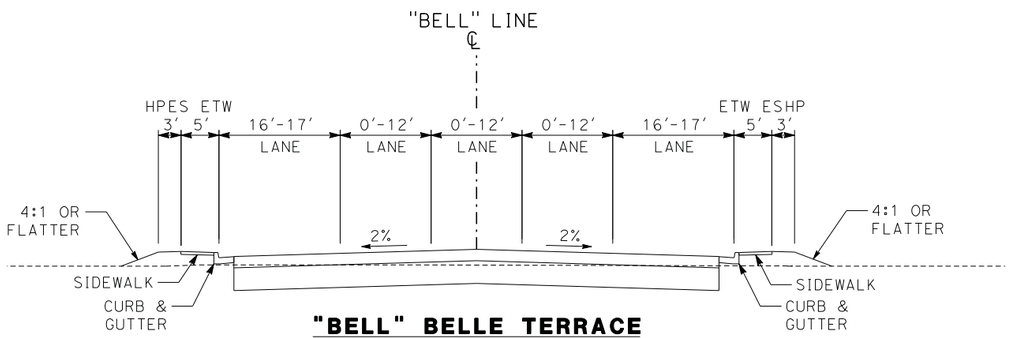
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



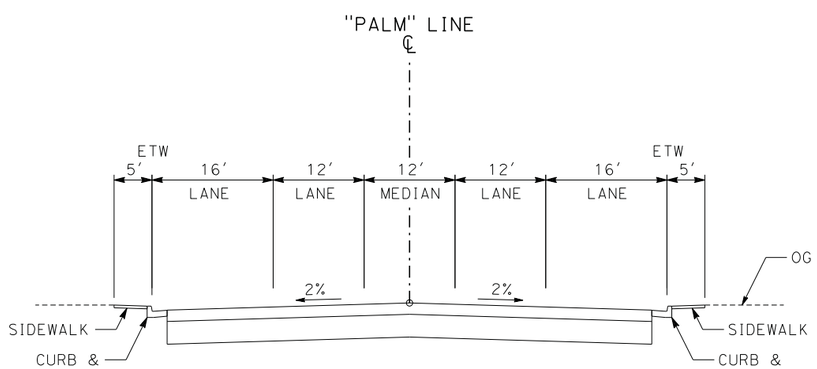
"WIB" WIBLE RD

Sta 87+10 TO Sta 94+70



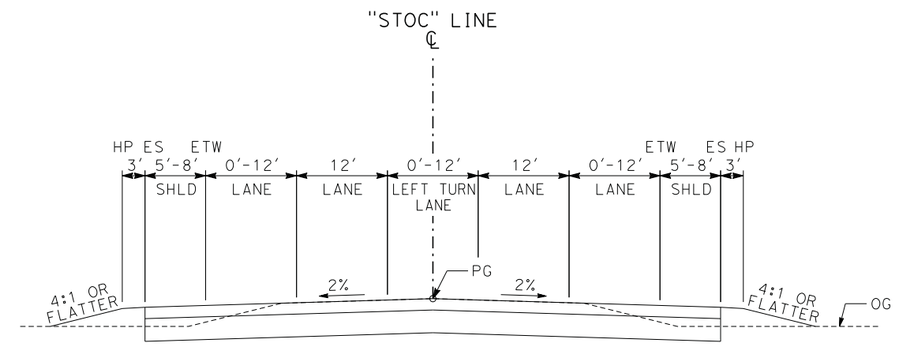
"BELL" BELLE TERRACE

Sta 14+86 TO Sta 24+05



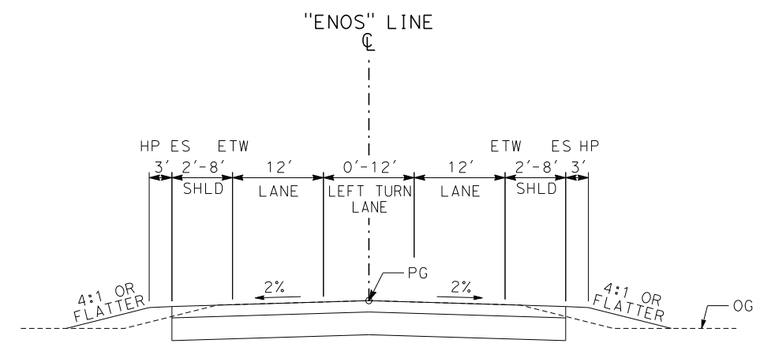
"PALM" PALM ST

Sta 7+28 TO Sta 13+15



"STOC" STOCKDALE HWY

Sta 10+72 TO Sta 42+93



"ENOS" ENOS LANE

Sta 10+97 TO Sta 36+53

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-7

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

NOTES:

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PARSONS
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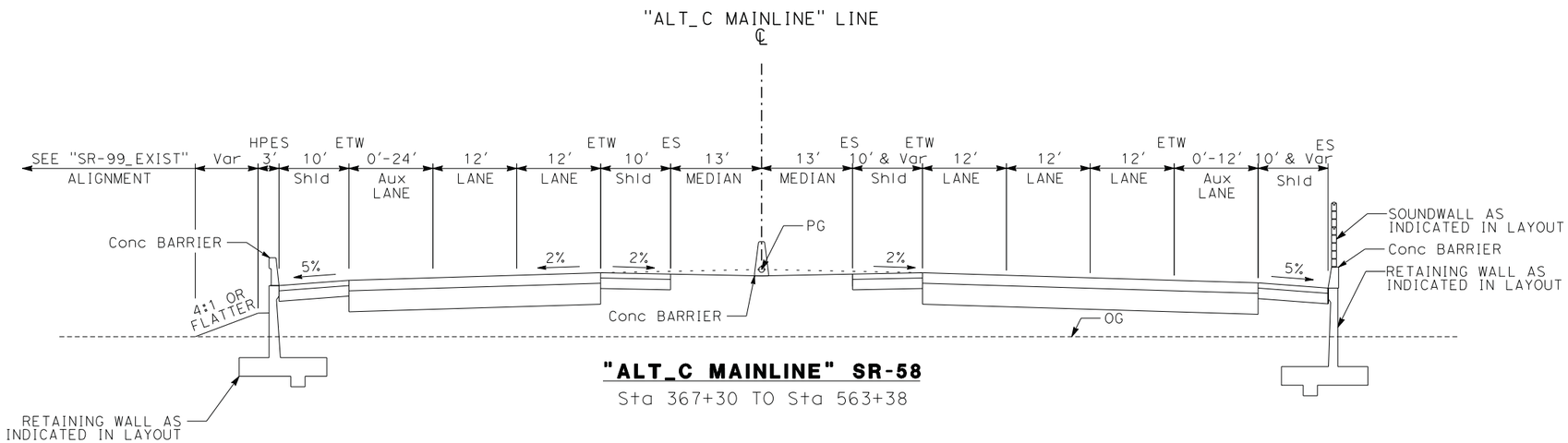
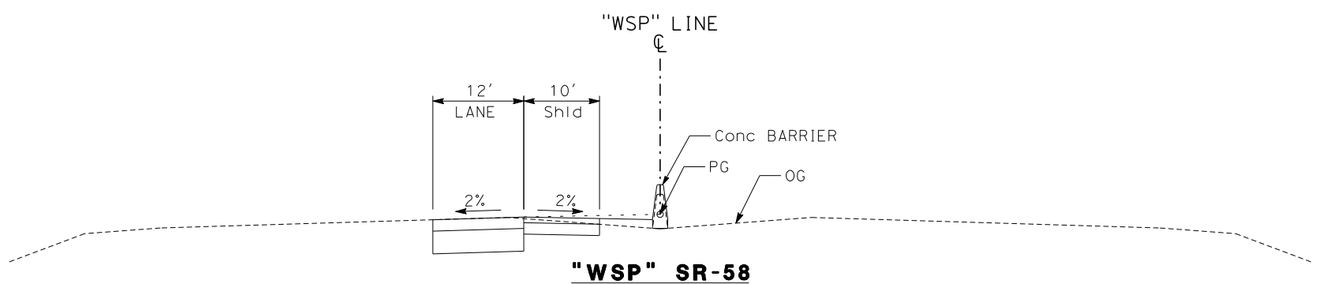
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



"ALT_C MAINLINE" SR-58

Sta 367+30 TO Sta 563+38



"WSP" SR-58

Sta 288+30 TO Sta 367+30

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-8

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CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2232 | PROJECT NUMBER & PHASE | EA 06-48460

NOTES:

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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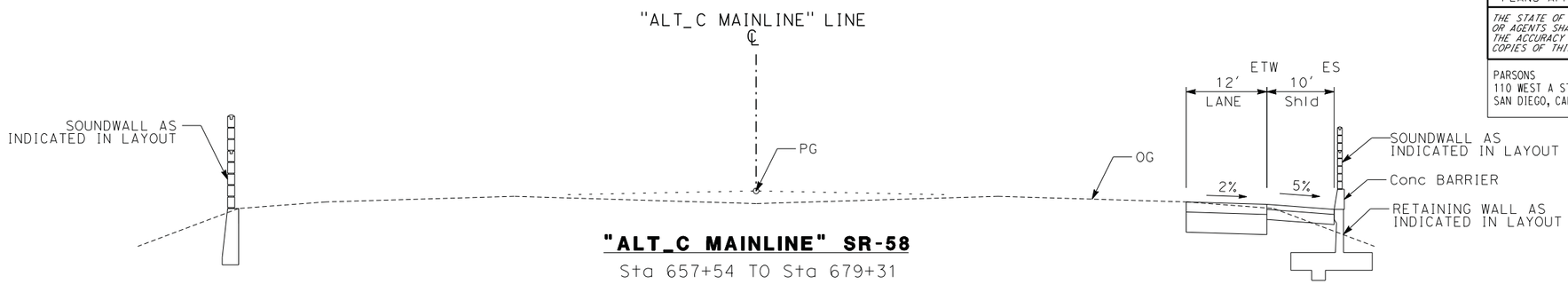
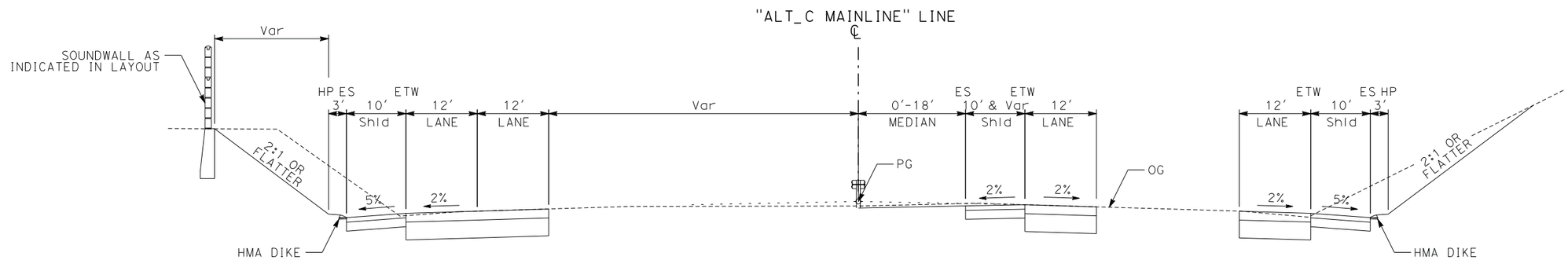
BAKERSFIELD, CALIFORNIA 93301



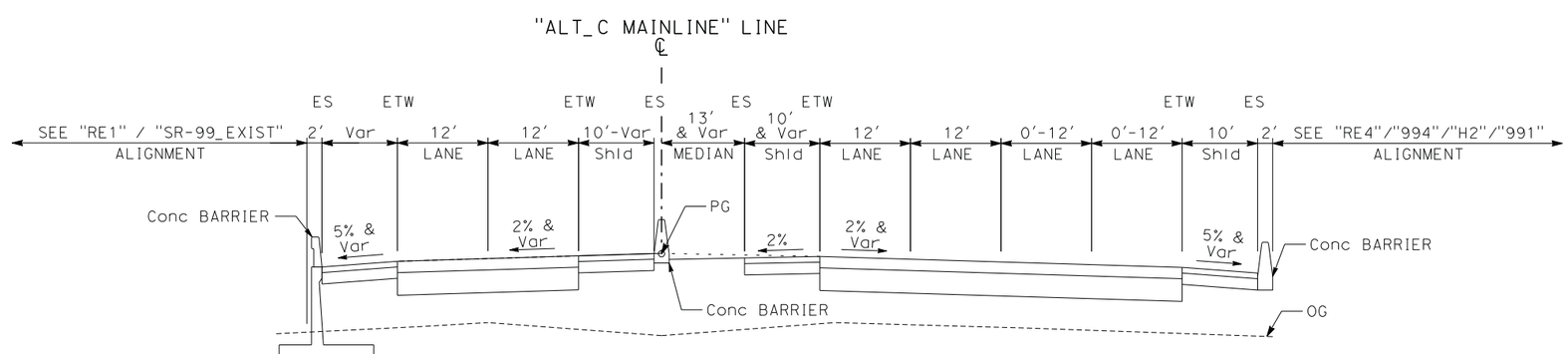
"ALT_C MAINLINE" SR-58

Sta 657+54 TO Sta 679+31



"ALT_C MAINLINE" SR-58

Sta 636+00 TO Sta 657+54



"ALT_C MAINLINE" SR-58

Sta 563+38 TO Sta 636+00

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-9

REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => x $PLTDRV$
Pen Table => $PENTBL$

LAST REVISION 3/27/15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

NOTES:

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PLANS APPROVAL DATE

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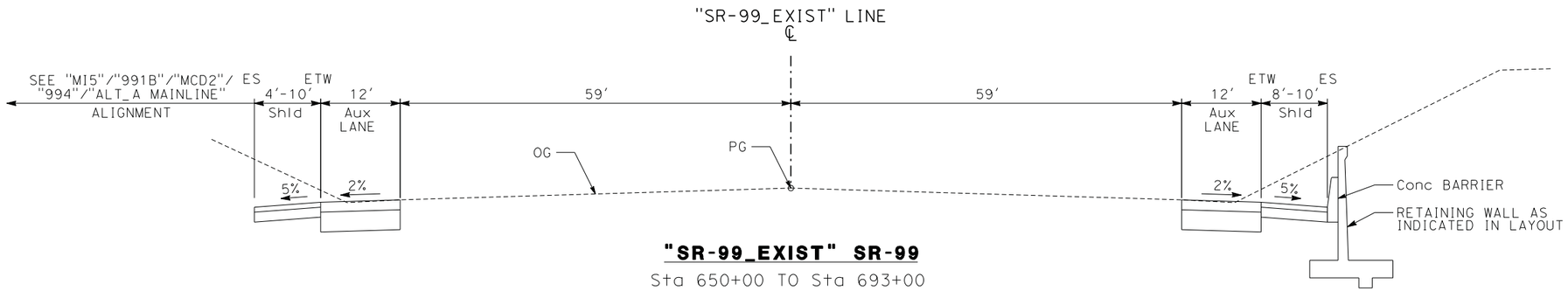
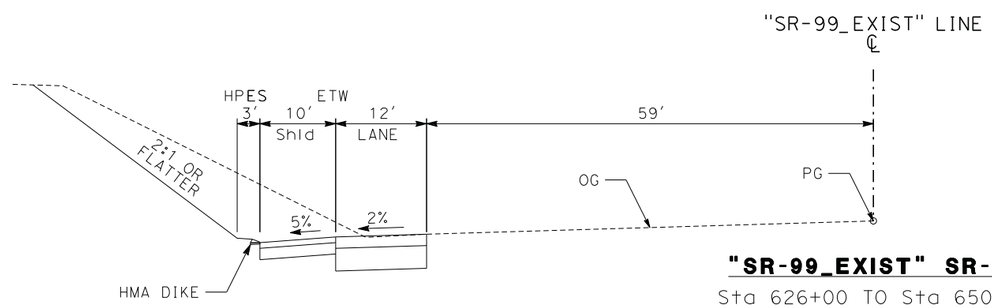
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



"SR-99_EXIST" SR-99

Sta 650+00 TO Sta 693+00



"SR-99_EXIST" SR-99

Sta 626+00 TO Sta 650+00

ALTERNATIVE C
TYPICAL CROSS SECTIONS

NO SCALE

X-10

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

SCALE:=> $SCALE$
Driver Name => $PLTDRVS$
Pen Table => $PENTBLS$

LAST REVISION 3/27/15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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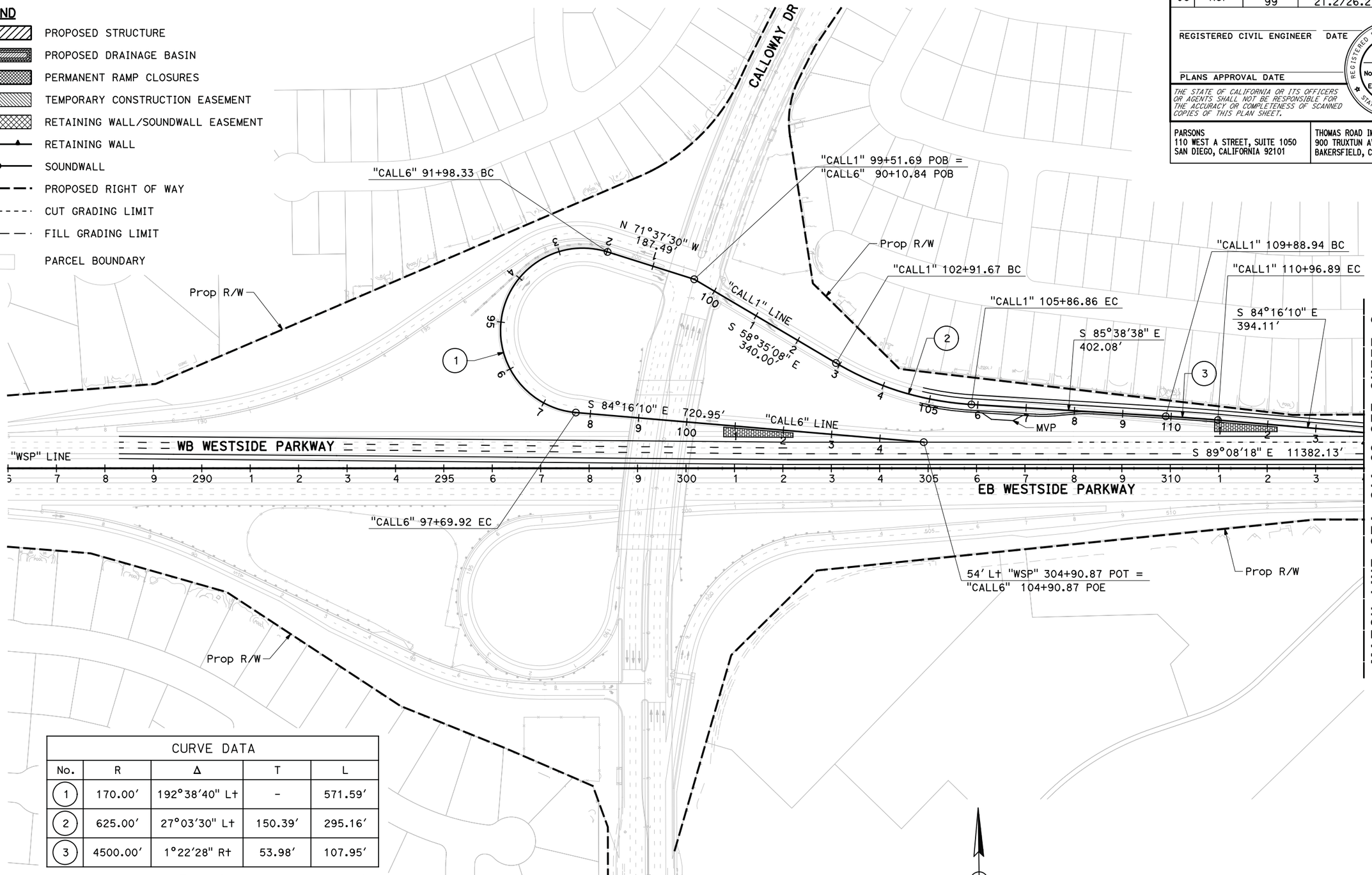
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

LEGEND

- PROPOSED STRUCTURE
- PROPOSED DRAINAGE BASIN
- PERMANENT RAMP CLOSURES
- TEMPORARY CONSTRUCTION EASEMENT
- RETAINING WALL/SOUNDWALL EASEMENT
- RETAINING WALL
- SOUNDWALL
- PROPOSED RIGHT OF WAY
- CUT GRADING LIMIT
- FILL GRADING LIMIT
- PARCEL BOUNDARY



CURVE DATA				
No.	R	Δ	T	L
1	170.00'	192°38'40" Lt	-	571.59'
2	625.00'	27°03'30" Lt	150.39'	295.16'
3	4500.00'	1°22'28" Rt	53.98'	107.95'

ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-1

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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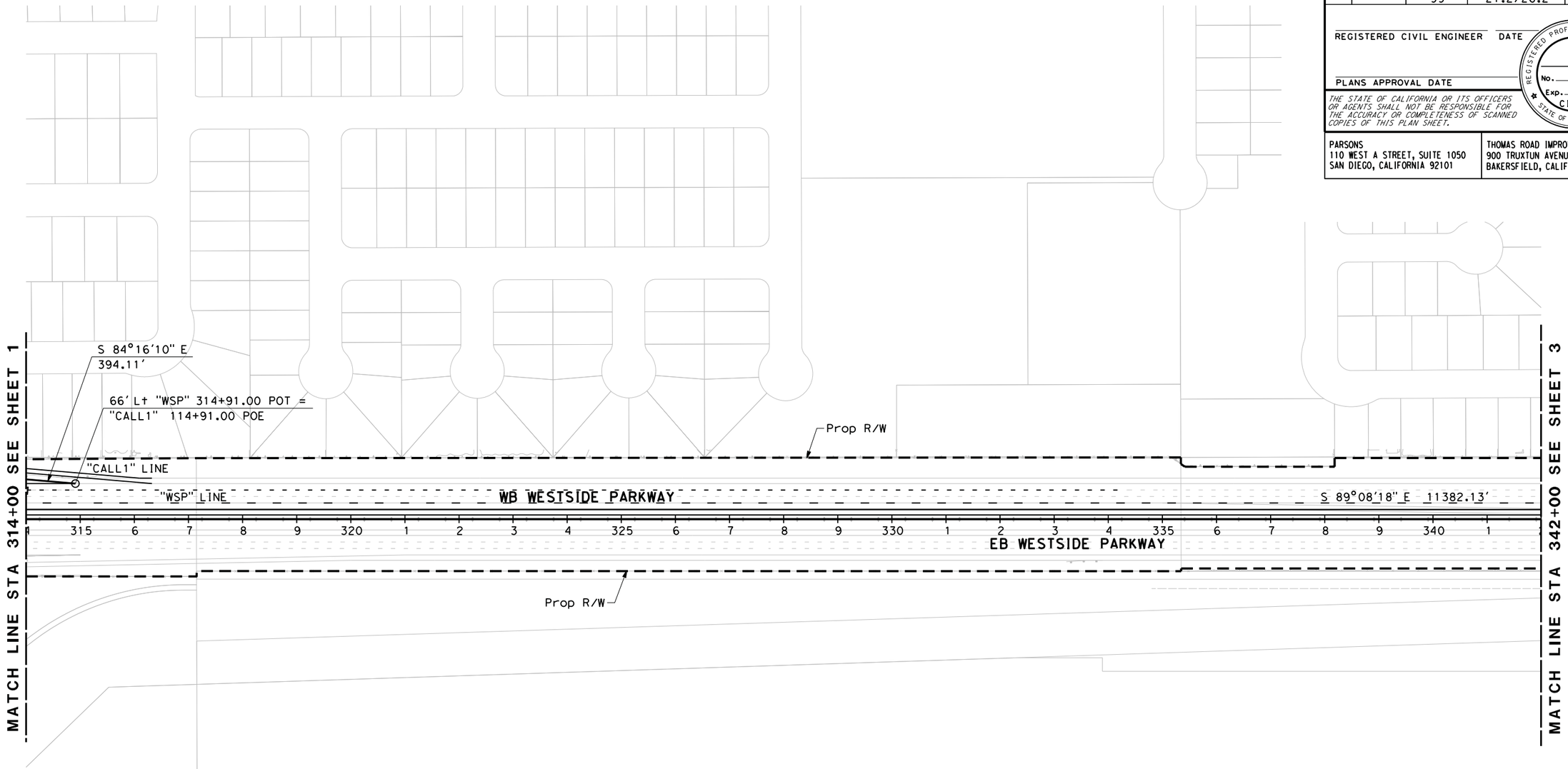
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-2

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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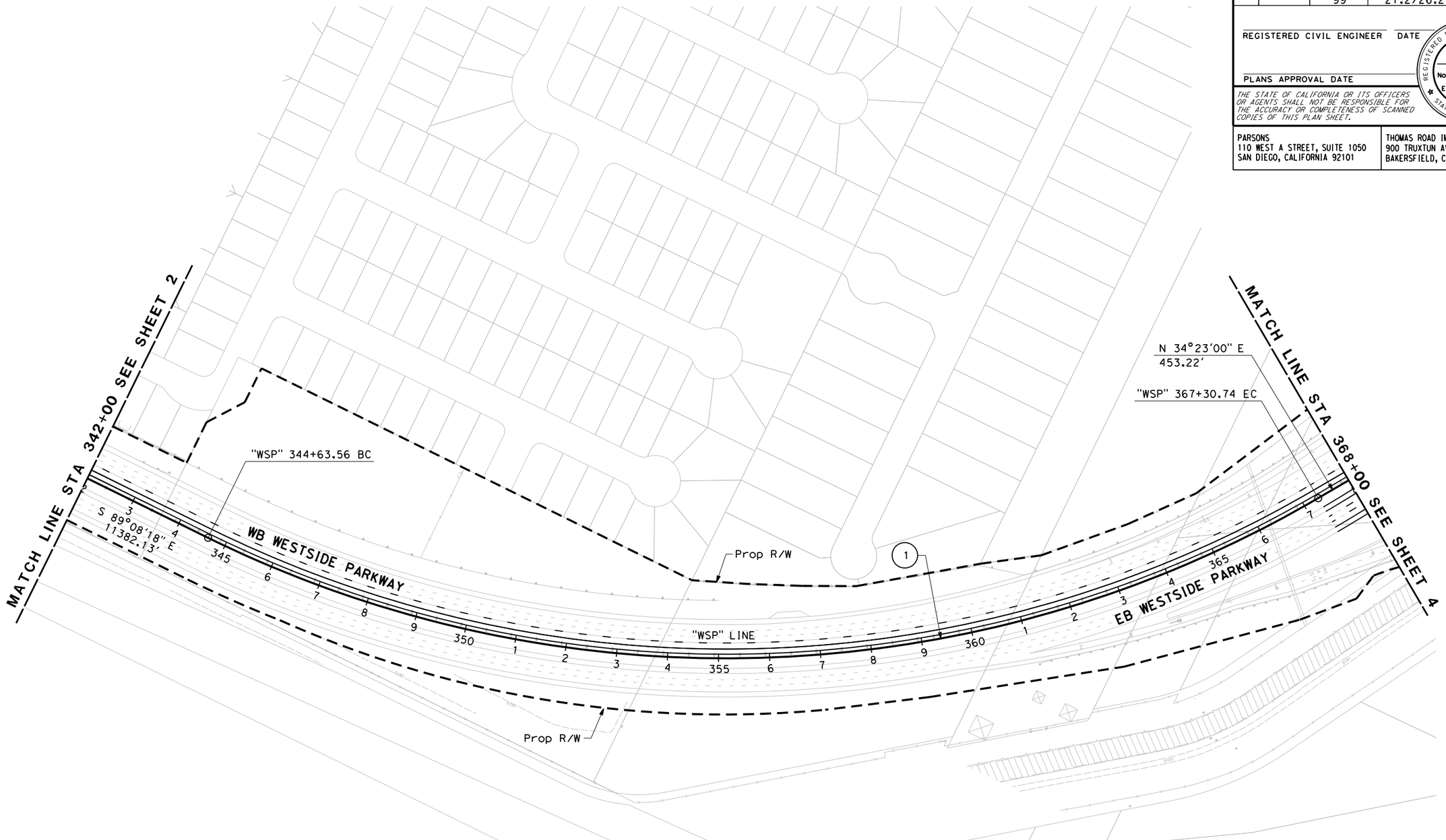
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	2300.00′	56°28′42″ Lt	1235.27′	2267.19′

ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS
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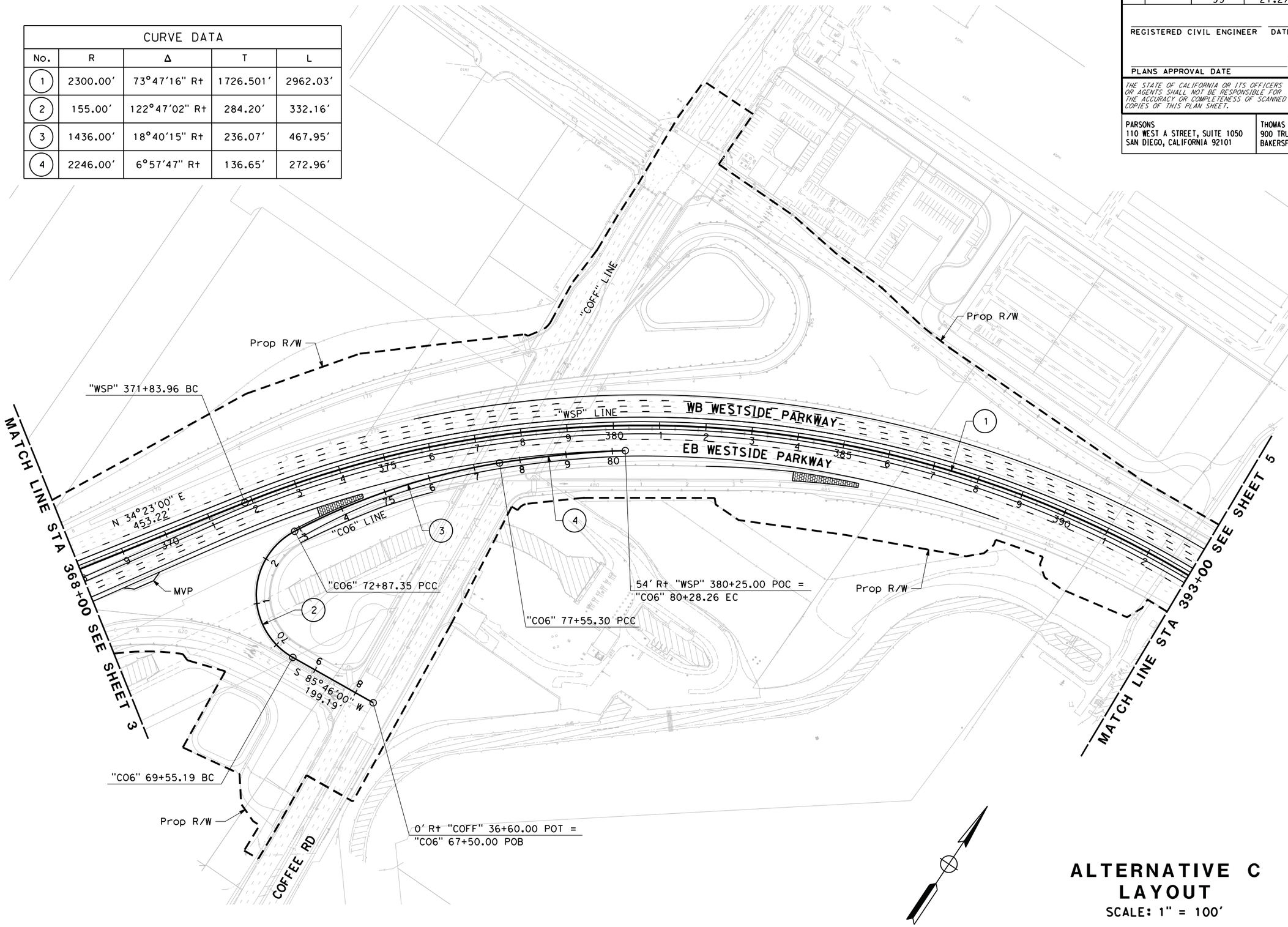
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	2300.00′	73°47′16" Rt	1726.501′	2962.03′
2	155.00′	122°47′02" Rt	284.20′	332.16′
3	1436.00′	18°40′15" Rt	236.07′	467.95′
4	2246.00′	6°57′47" Rt	136.65′	272.96′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-4

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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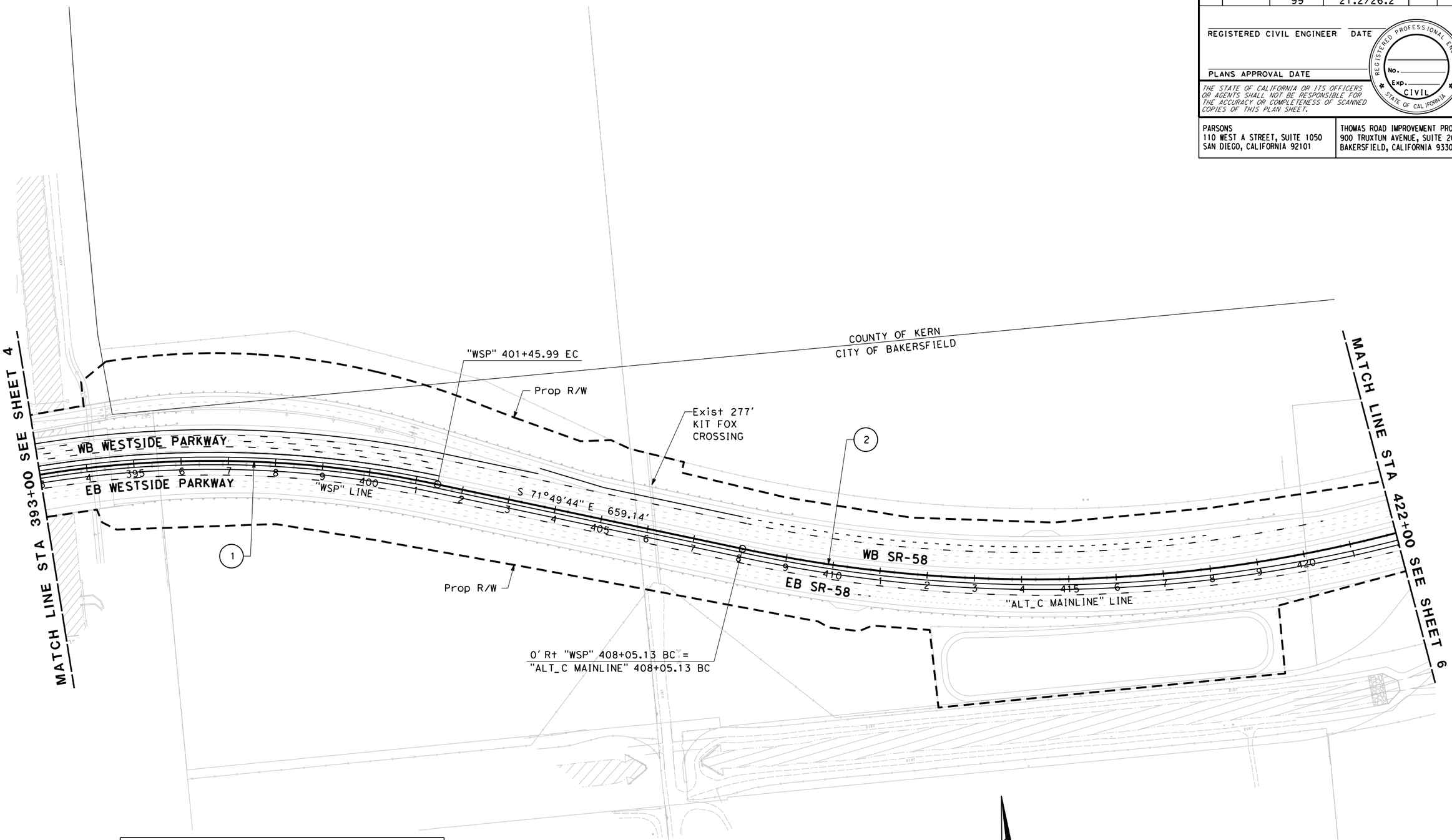
BAKERSFIELD, CALIFORNIA 93301



CURVE DATA				
No.	R	Δ	T	L
1	2300.00'	73°47'16" Rt	1726.51'	2962.03'
2	3000.00'	45°13'56" Lt	1249.77'	2368.35'

ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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PARSONS
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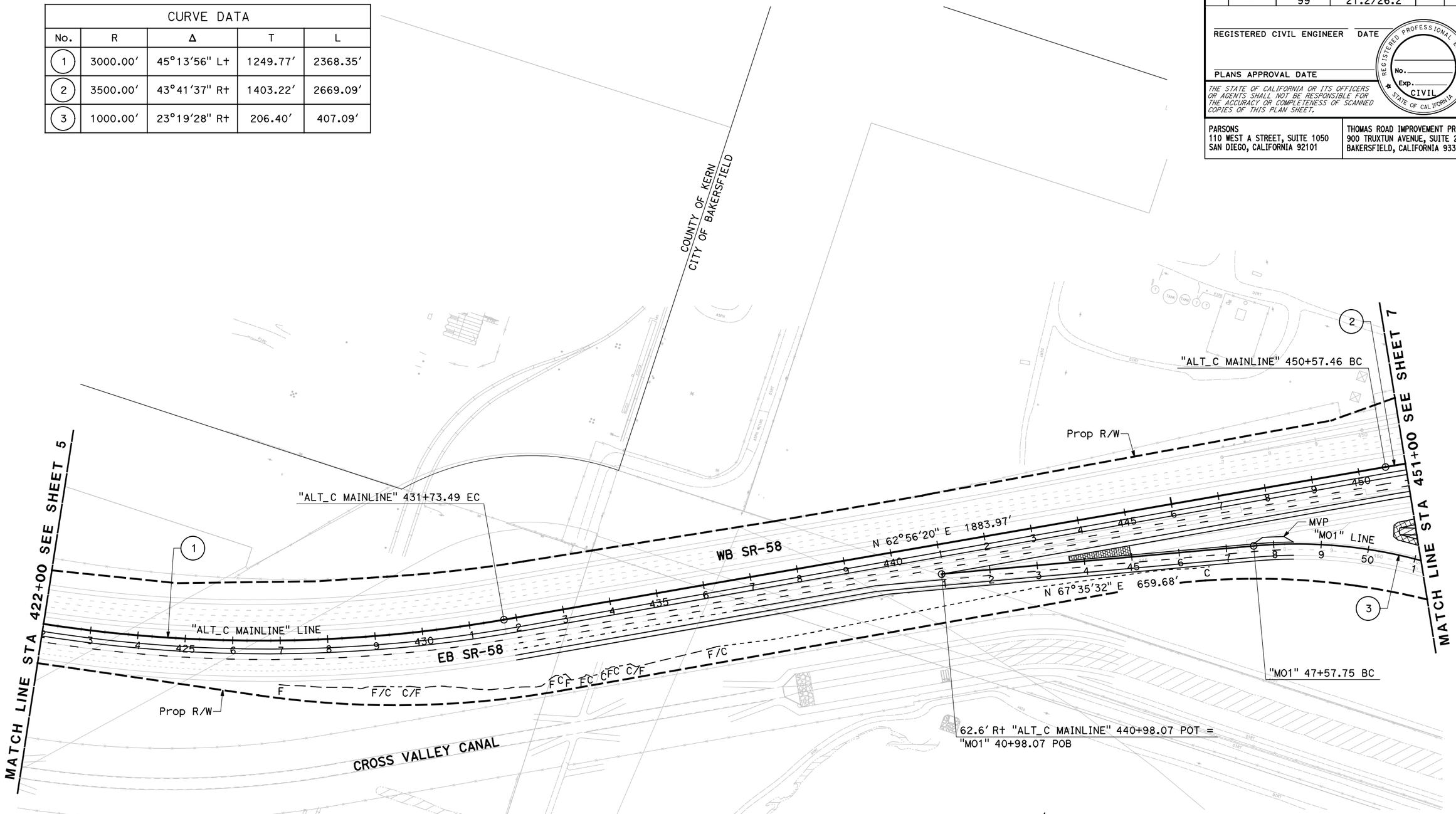
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	3000.00′	45°13′56" L†	1249.77′	2368.35′
2	3500.00′	43°41′37" R†	1403.22′	2669.09′
3	1000.00′	23°19′28" R†	206.40′	407.09′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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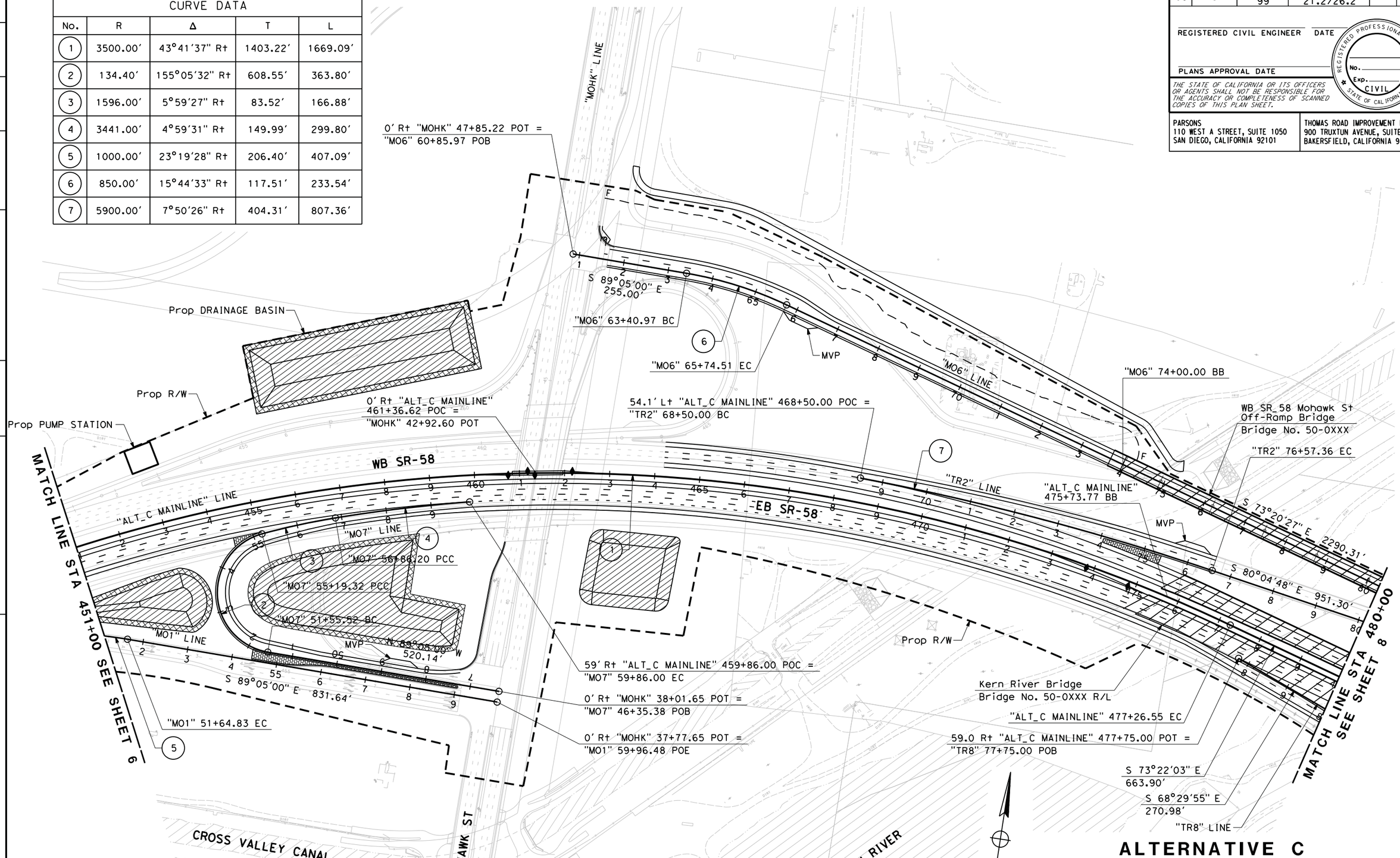
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	3500.00′	43°41′37″ Rt	1403.22′	1669.09′
2	134.40′	155°05′32″ Rt	608.55′	363.80′
3	1596.00′	5°59′27″ Rt	83.52′	166.88′
4	3441.00′	4°59′31″ Rt	149.99′	299.80′
5	1000.00′	23°19′28″ Rt	206.40′	407.09′
6	850.00′	15°44′33″ Rt	117.51′	233.54′
7	5900.00′	7°50′26″ Rt	404.31′	807.36′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-7

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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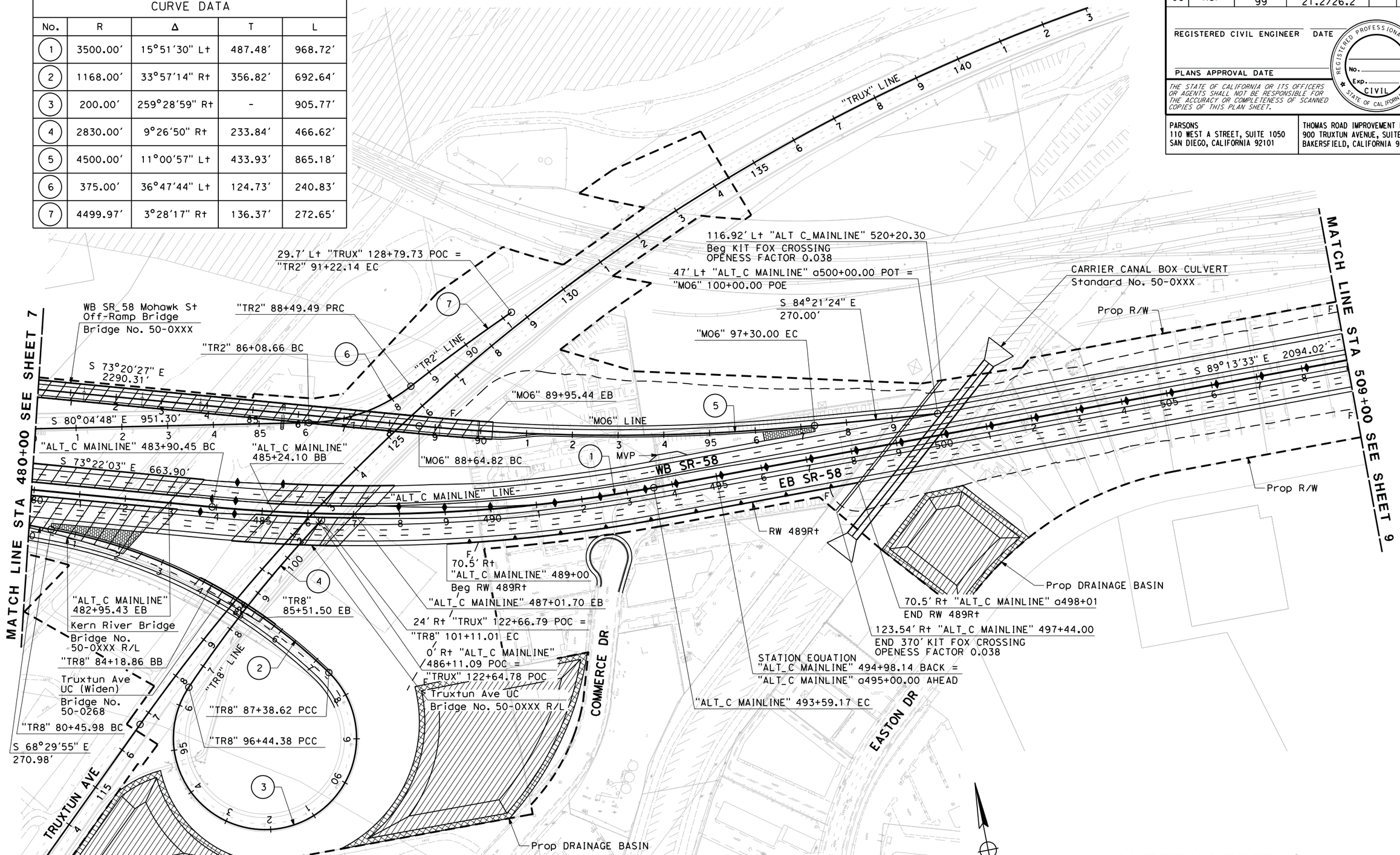
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	3500.00′	15°51′30″ Lt	487.48′	968.72′
2	1168.00′	33°57′14″ Rt	356.82′	692.64′
3	200.00′	259°28′59″ Rt	-	905.77′
4	2830.00′	9°26′50″ Rt	233.84′	466.62′
5	4500.00′	11°00′57″ Lt	433.93′	865.18′
6	375.00′	36°47′44″ Lt	124.73′	240.83′
7	4499.97′	3°28′17″ Rt	136.37′	272.65′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-8

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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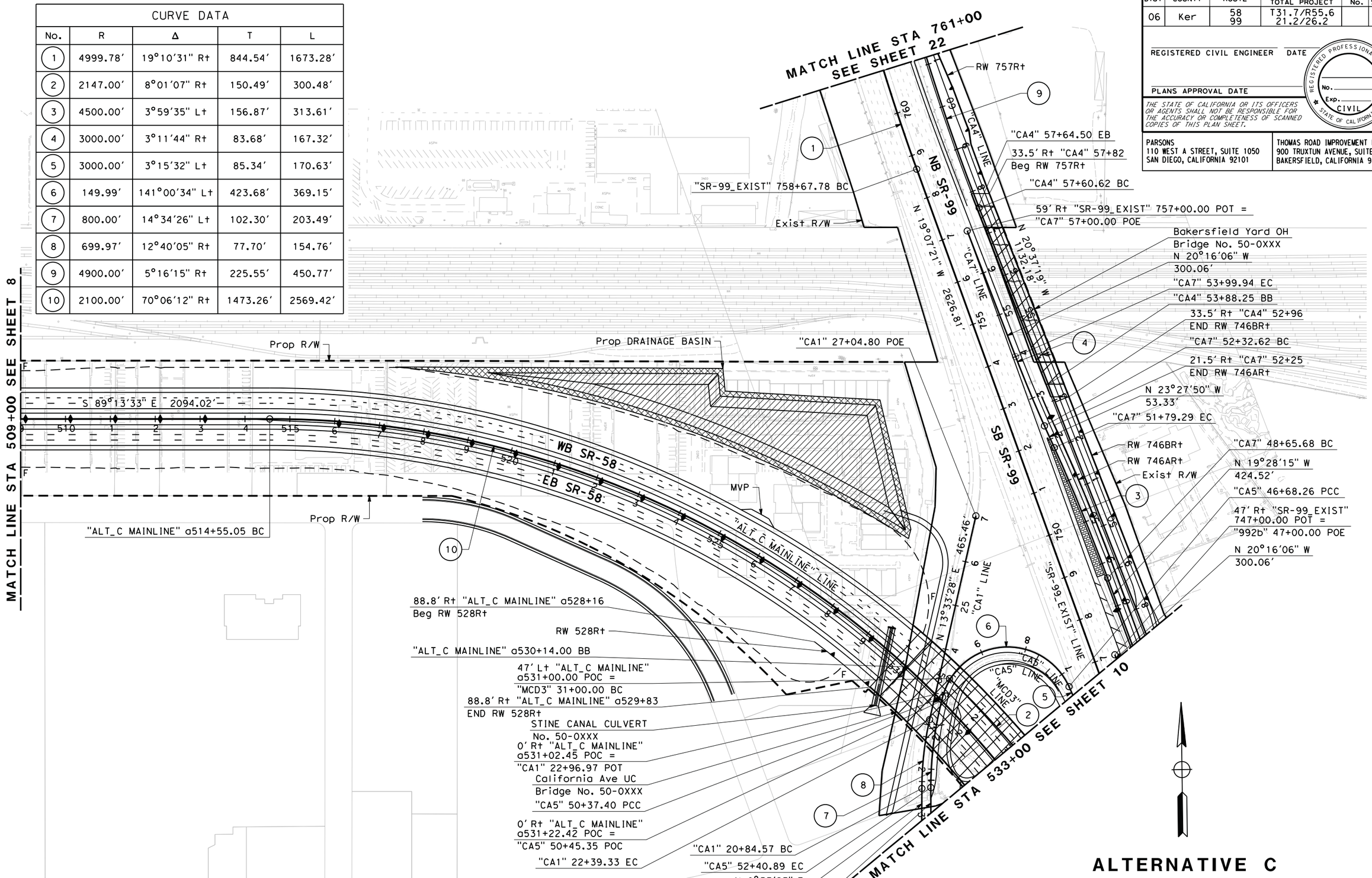
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	4999.78′	19°10′31" Rt	844.54′	1673.28′
2	2147.00′	8°01′07" Rt	150.49′	300.48′
3	4500.00′	3°59′35" Lt	156.87′	313.61′
4	3000.00′	3°11′44" Rt	83.68′	167.32′
5	3000.00′	3°15′32" Lt	85.34′	170.63′
6	149.99′	141°00′34" Lt	423.68′	369.15′
7	800.00′	14°34′26" Lt	102.30′	203.49′
8	699.97′	12°40′05" Rt	77.70′	154.76′
9	4900.00′	5°16′15" Rt	225.55′	450.77′
10	2100.00′	70°06′12" Rt	1473.26′	2569.42′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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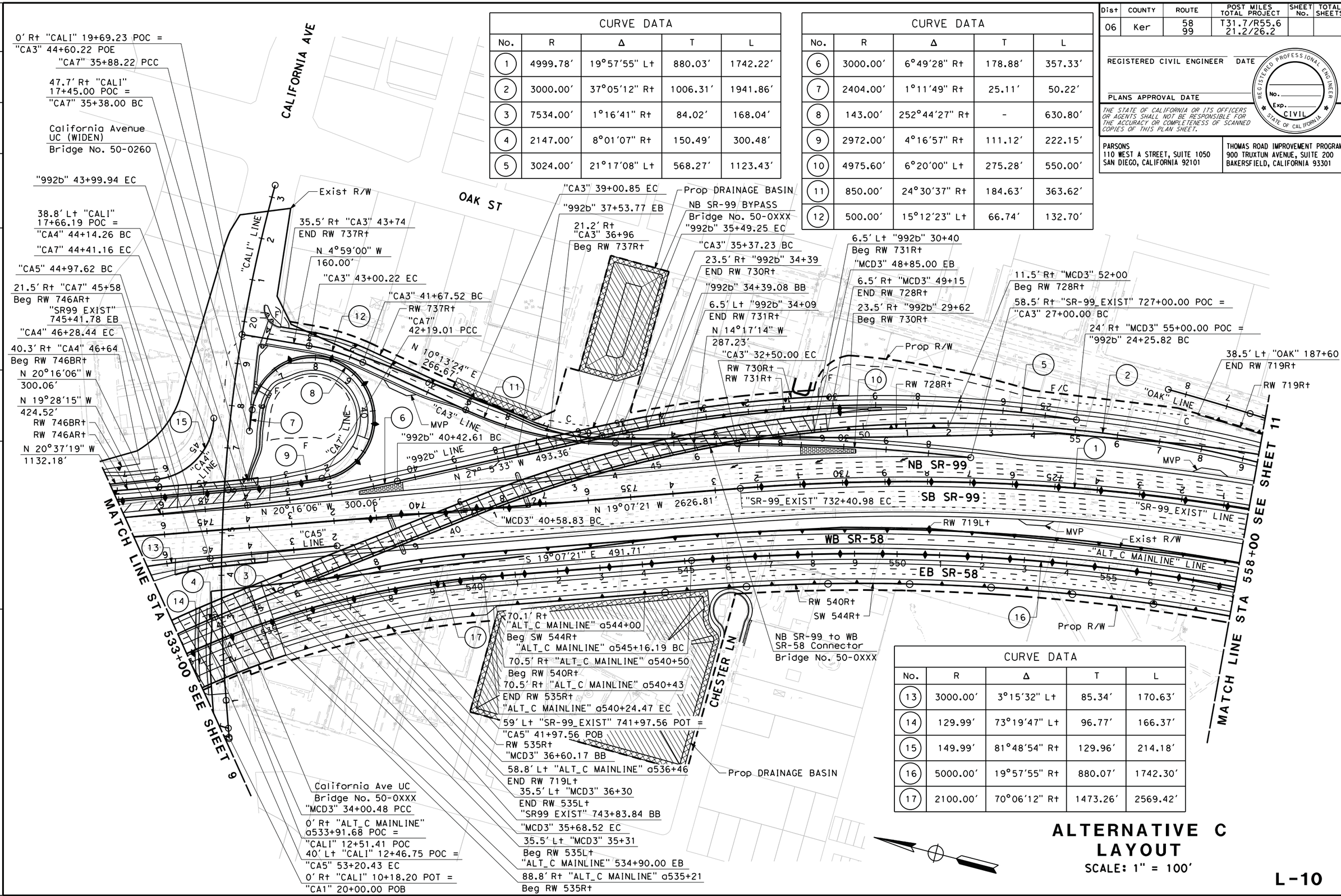
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	4999.78′	19°57′55" Lt	880.03′	1742.22′
2	3000.00′	37°05′12" Rt	1006.31′	1941.86′
3	7534.00′	1°16′41" Rt	84.02′	168.04′
4	2147.00′	8°01′07" Rt	150.49′	300.48′
5	3024.00′	21°17′08" Lt	568.27′	1123.43′

CURVE DATA

No.	R	Δ	T	L
6	3000.00′	6°49′28" Rt	178.88′	357.33′
7	2404.00′	1°11′49" Rt	25.11′	50.22′
8	143.00′	252°44′27" Rt	-	630.80′
9	2972.00′	4°16′57" Rt	111.12′	222.15′
10	4975.60′	6°20′00" Lt	275.28′	550.00′
11	850.00′	24°30′37" Rt	184.63′	363.62′
12	500.00′	15°12′23" Lt	66.74′	132.70′



CURVE DATA

No.	R	Δ	T	L
13	3000.00′	3°15′32" Lt	85.34′	170.63′
14	129.99′	73°19′47" Lt	96.77′	166.37′
15	149.99′	81°48′54" Rt	129.96′	214.18′
16	5000.00′	19°57′55" Rt	880.07′	1742.30′
17	2100.00′	70°06′12" Rt	1473.26′	2569.42′

ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-10

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BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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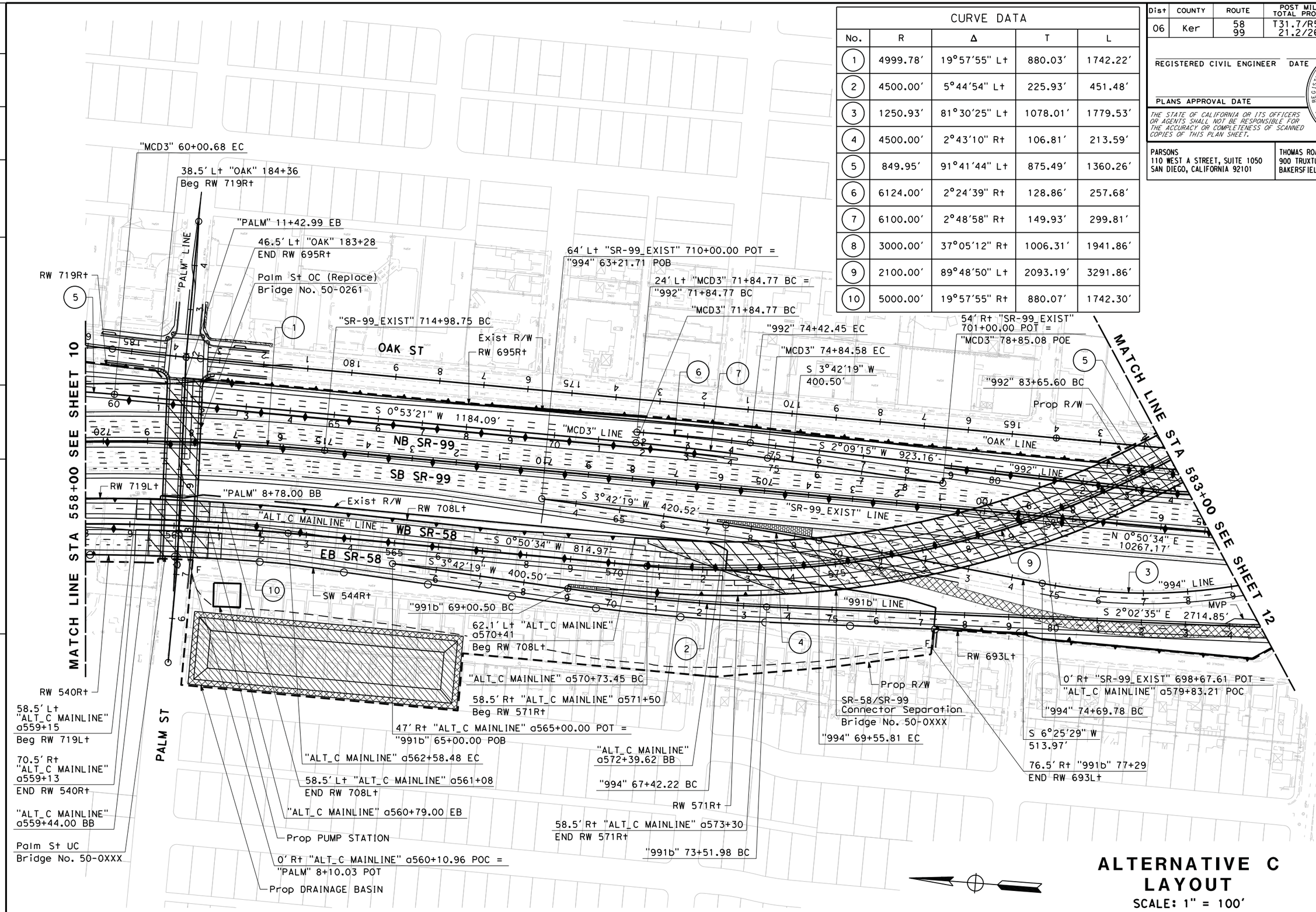
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	4999.78′	19°57′55″ Lt	880.03′	1742.22′
2	4500.00′	5°44′54″ Lt	225.93′	451.48′
3	1250.93′	81°30′25″ Lt	1078.01′	1779.53′
4	4500.00′	2°43′10″ Rt	106.81′	213.59′
5	849.95′	91°41′44″ Lt	875.49′	1360.26′
6	6124.00′	2°24′39″ Rt	128.86′	257.68′
7	6100.00′	2°48′58″ Rt	149.93′	299.81′
8	3000.00′	37°05′12″ Rt	1006.31′	1941.86′
9	2100.00′	89°48′50″ Lt	2093.19′	3291.86′
10	5000.00′	19°57′55″ Rt	880.07′	1742.30′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-11

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CONSULTANT FUNCTIONAL SUPERVISOR

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LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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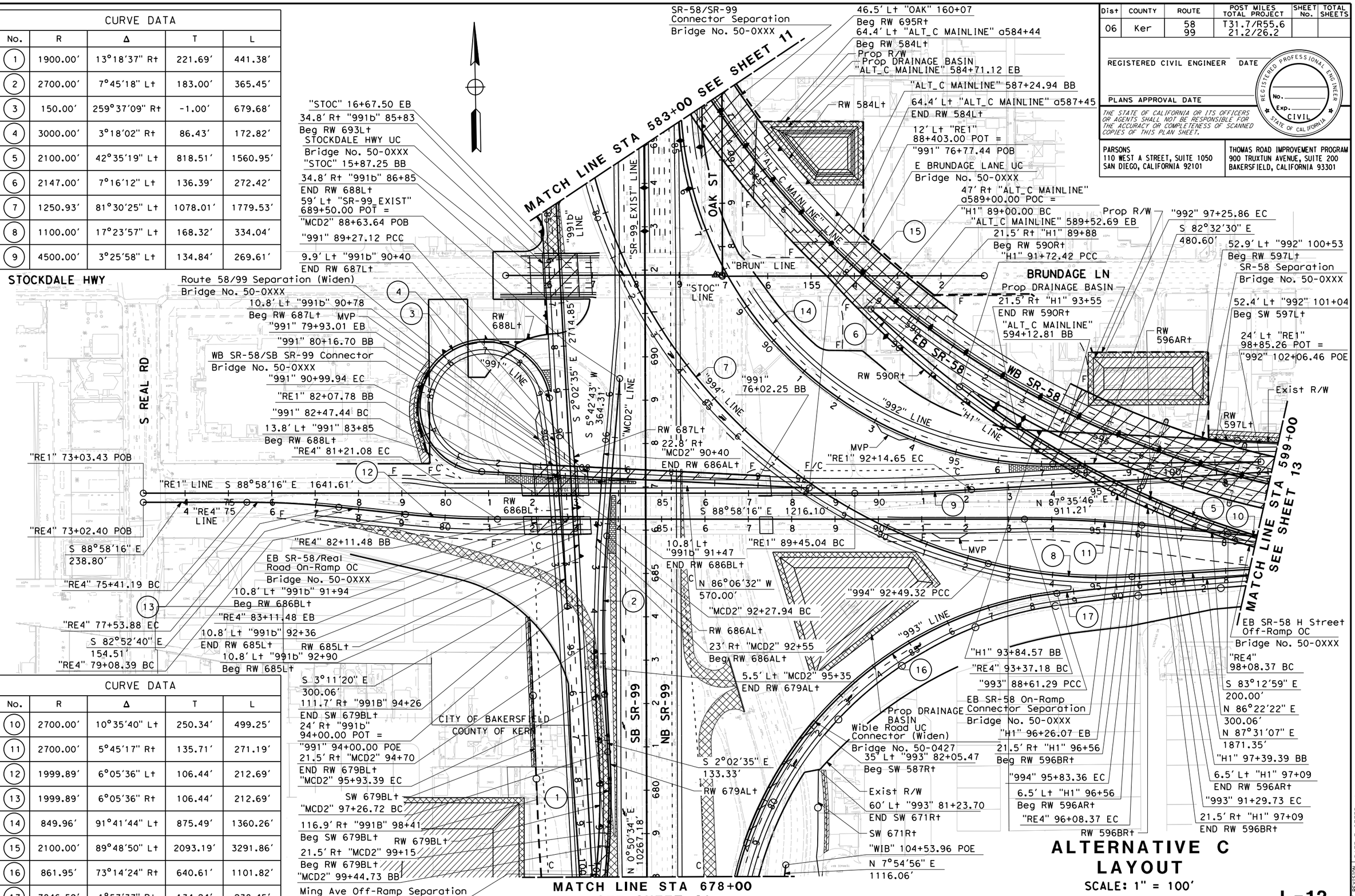
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	1900.00′	13°18′37″ Rt	221.69′	441.38′
2	2700.00′	7°45′18″ Lt	183.00′	365.45′
3	150.00′	259°37′09″ Rt	-1.00′	679.68′
4	3000.00′	3°18′02″ Rt	86.43′	172.82′
5	2100.00′	42°35′19″ Lt	818.51′	1560.95′
6	2147.00′	7°16′12″ Lt	136.39′	272.42′
7	1250.93′	81°30′25″ Lt	1078.01′	1779.53′
8	1100.00′	17°23′57″ Lt	168.32′	334.04′
9	4500.00′	3°25′58″ Lt	134.84′	269.61′



CURVE DATA				
No.	R	Δ	T	L
10	2700.00′	10°35′40″ Lt	250.34′	499.25′
11	2700.00′	5°45′17″ Rt	135.71′	271.19′
12	1999.89′	6°05′36″ Lt	106.44′	212.69′
13	1999.89′	6°05′36″ Rt	106.44′	212.69′
14	849.96′	91°41′44″ Lt	875.49′	1360.26′
15	2100.00′	89°48′50″ Lt	2093.19′	3291.86′
16	861.95′	73°14′24″ Rt	640.61′	1101.82′
17	7846.59′	1°57′37″ Rt	134.24′	238.45′

ALTERNATIVE C LAYOUT

SCALE: 1″ = 100′

L-12

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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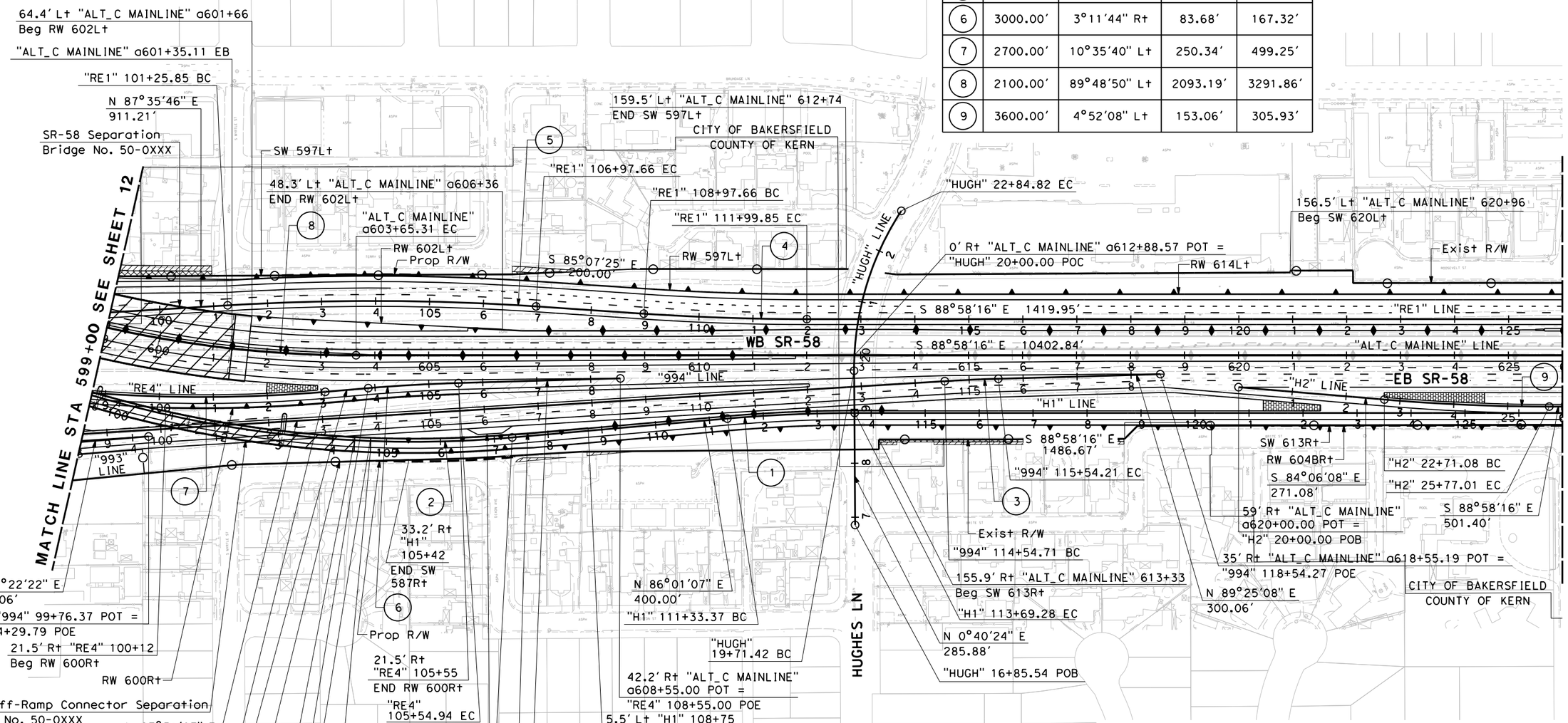
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	2700.00′	5°00′37″ Rt	118.13′	236.10′
2	2100.00′	42°35′19″ Lt	818.51′	1560.95′
3	3000.00′	1°54′01″ Rt	49.75′	99.50′
4	4500.00′	3°50′52″ Lt	151.15′	302.20′
5	4500.00′	7°16′50″ Rt	286.29′	571.80′
6	3000.00′	3°11′44″ Rt	83.68′	167.32′
7	2700.00′	10°35′40″ Lt	250.34′	499.25′
8	2100.00′	89°48′50″ Lt	2093.19′	3291.86′
9	3600.00′	4°52′08″ Lt	153.06′	305.93′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-13

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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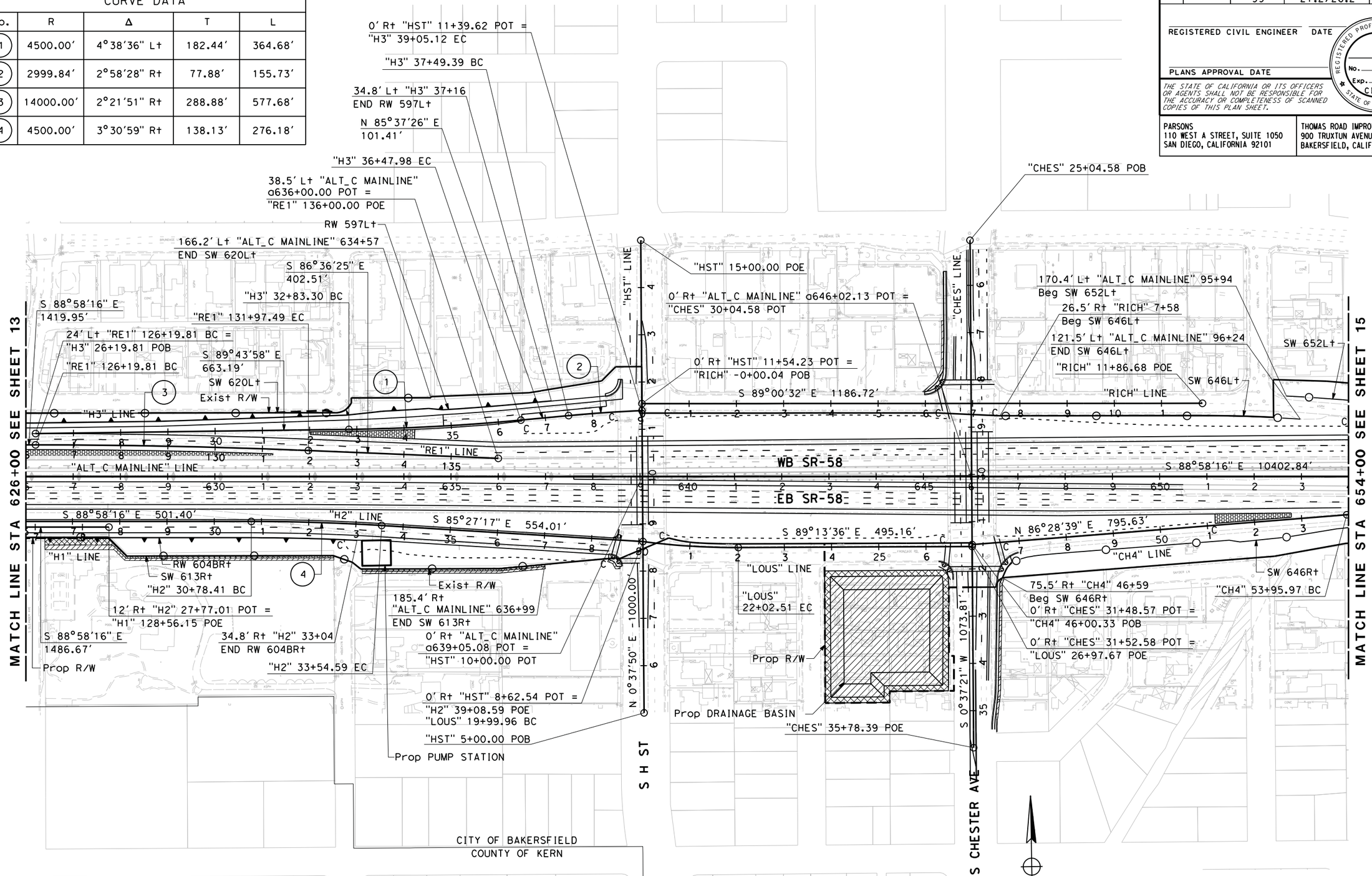
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	4500.00′	4°38′36″ Lt	182.44′	364.68′
2	2999.84′	2°58′28″ Rt	77.88′	155.73′
3	14000.00′	2°21′51″ Rt	288.88′	577.68′
4	4500.00′	3°30′59″ Rt	138.13′	276.18′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-14

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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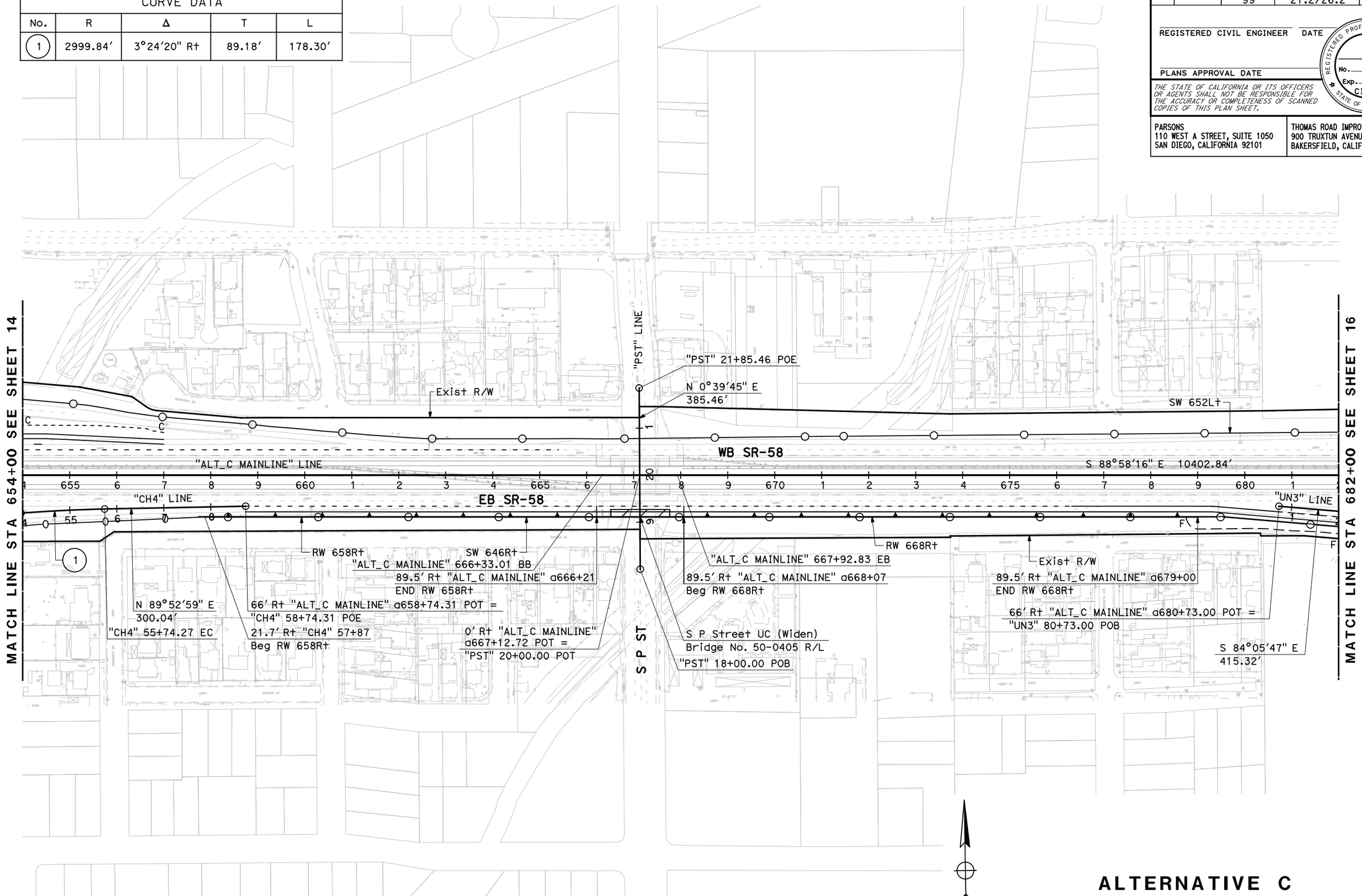
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	2999.84′	3°24′20" R+	89.18′	178.30′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-15

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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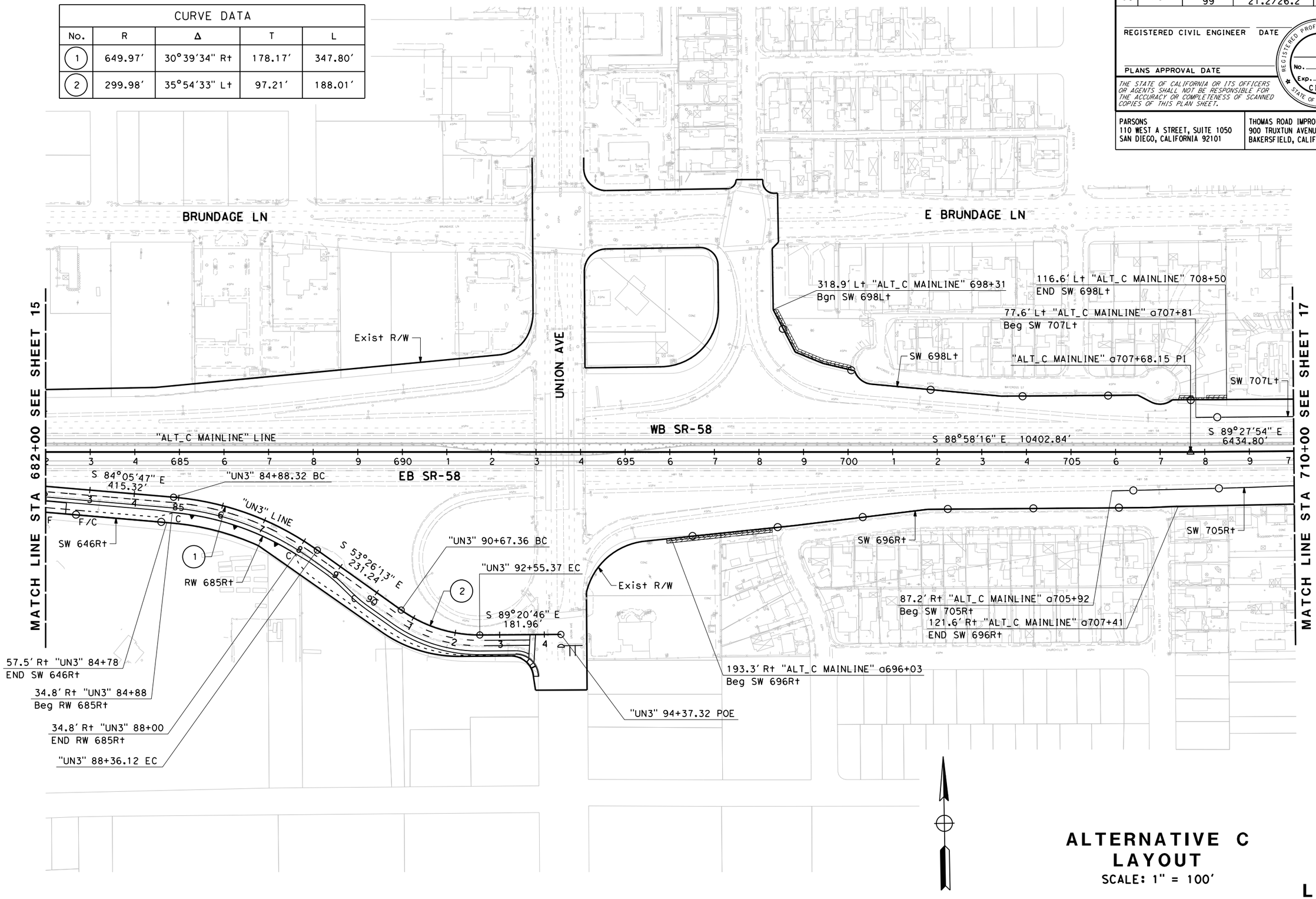
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	649.97′	30°39′34" Rt	178.17′	347.80′
2	299.98′	35°54′33" Lt	97.21′	188.01′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-16

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LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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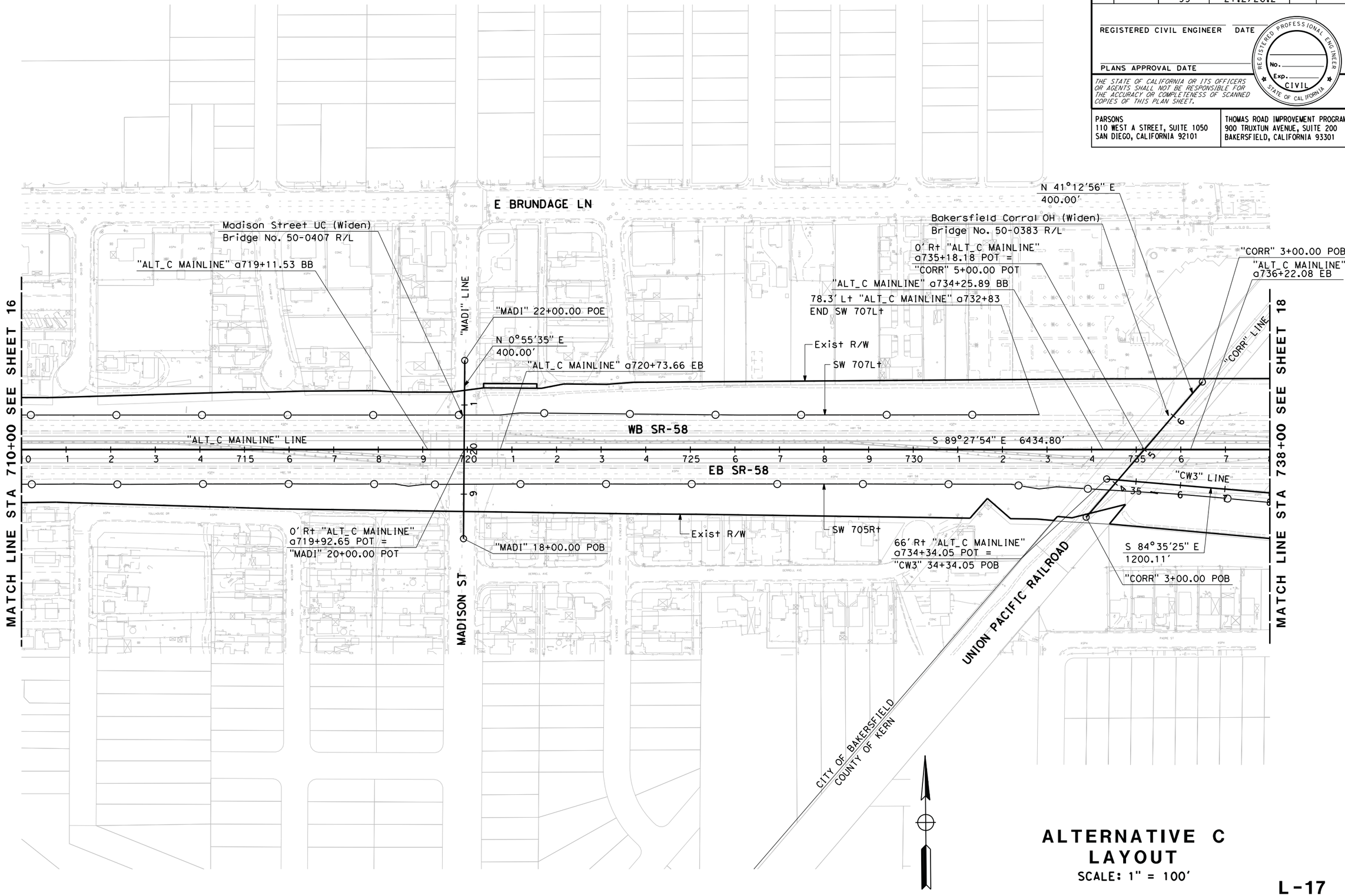
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-17

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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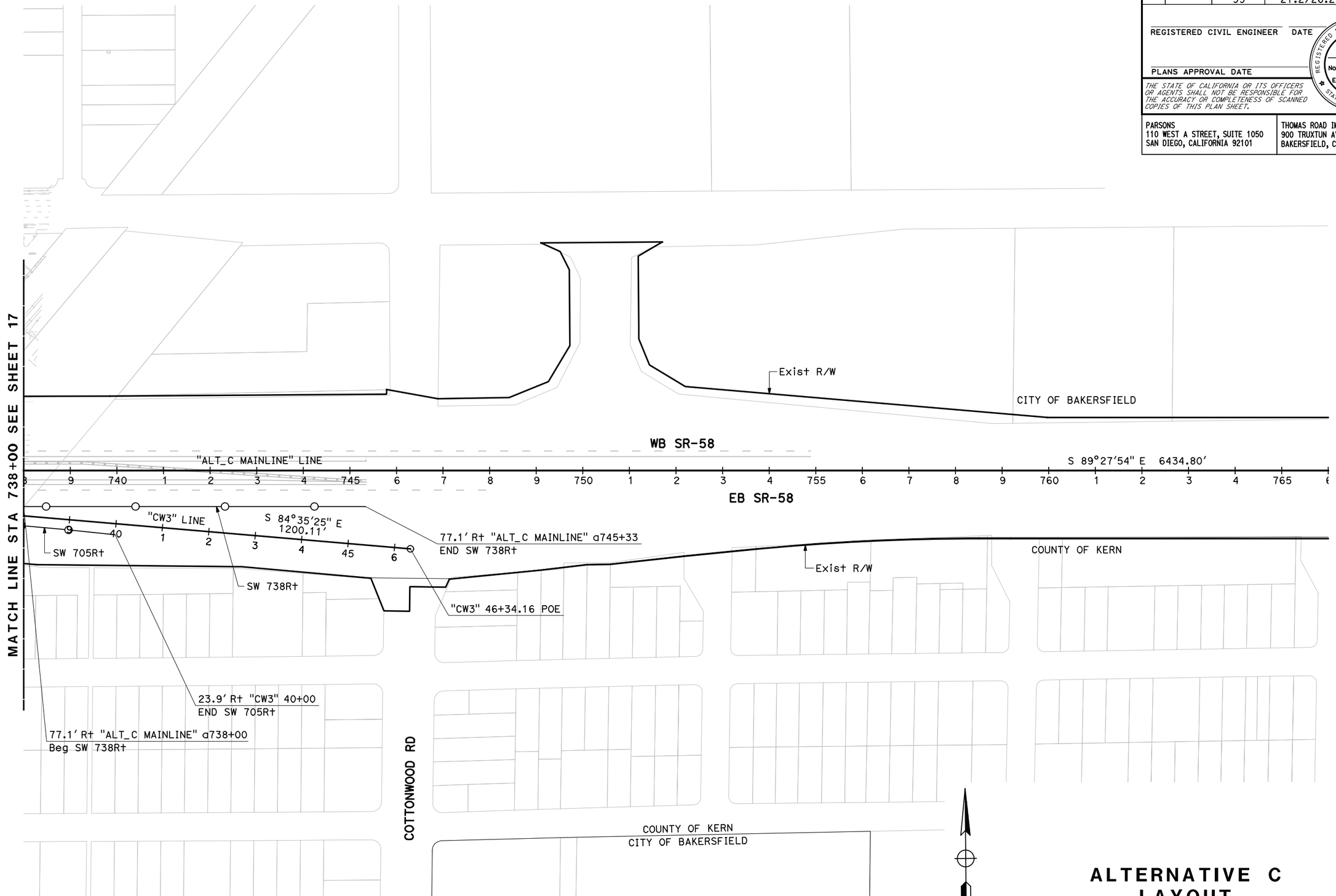
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-18

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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THOMAS ROAD IMPROVEMENT PROGRAM
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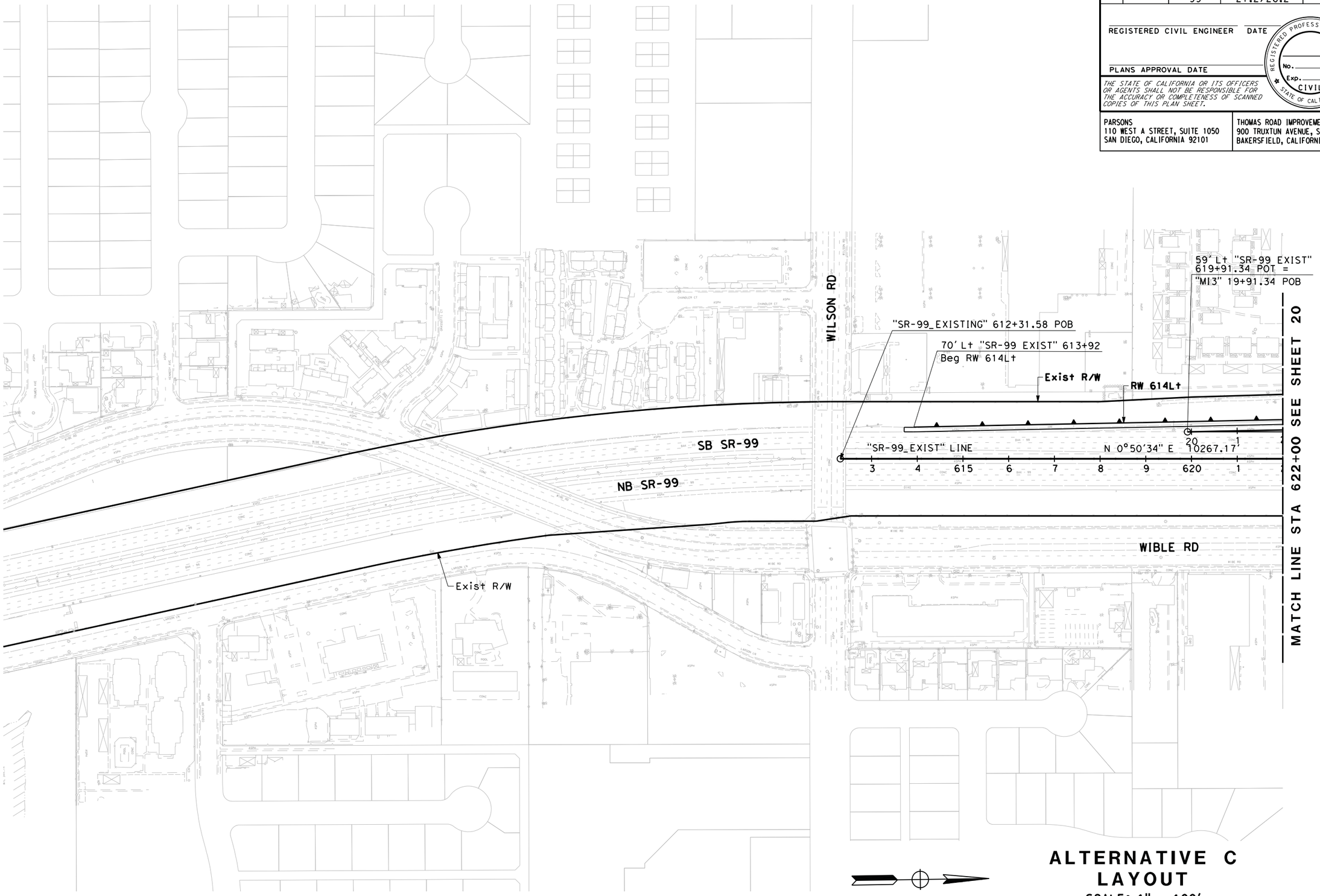
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-19

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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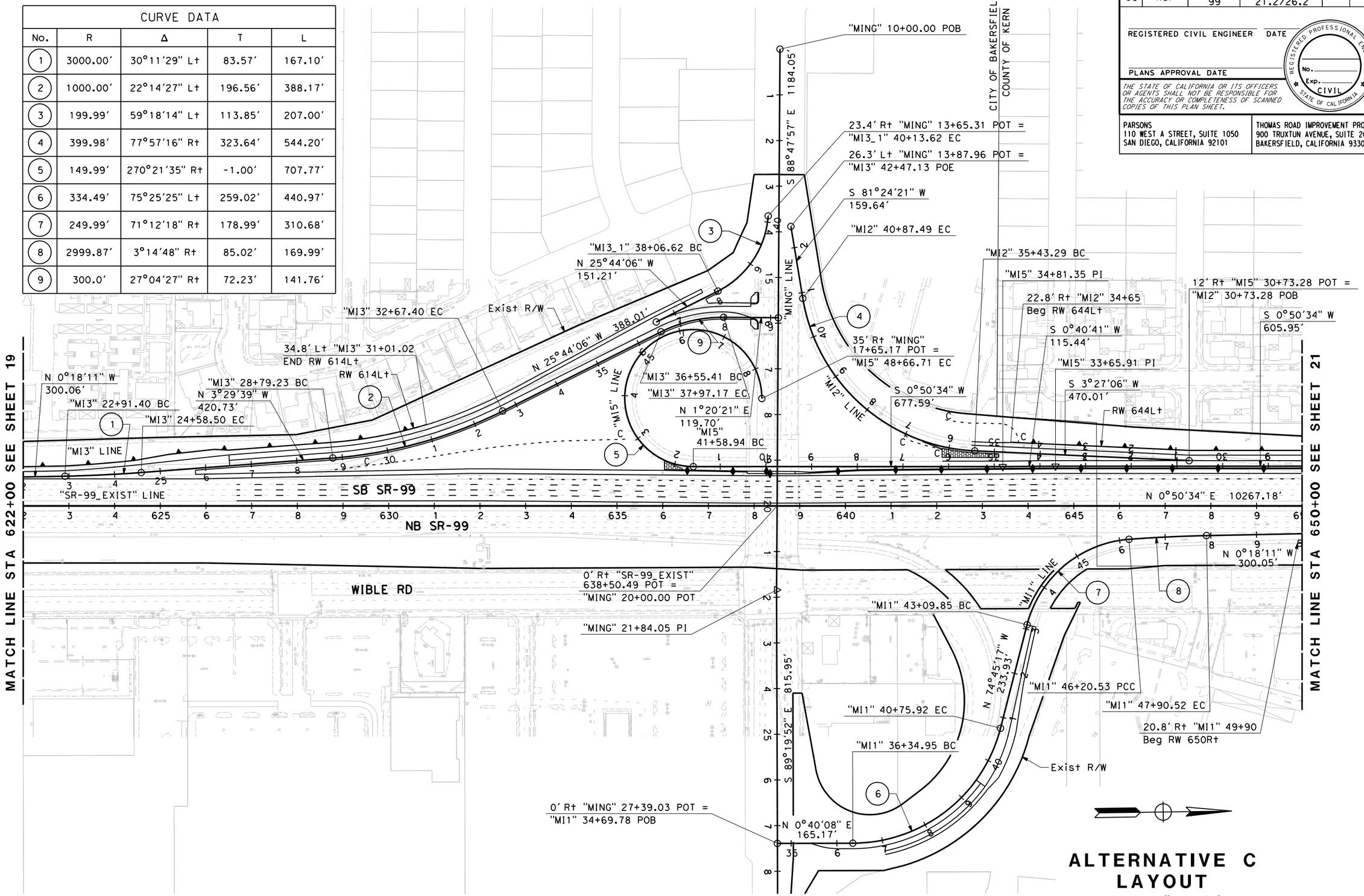
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	3000.00′	30°11′29″ Lt	83.57′	167.10′
2	1000.00′	22°14′27″ Lt	196.56′	388.17′
3	199.99′	59°18′14″ Lt	113.85′	207.00′
4	399.98′	77°57′16″ Rt	323.64′	544.20′
5	149.99′	270°21′35″ Rt	-1.00′	707.77′
6	334.49′	75°25′25″ Lt	259.02′	440.97′
7	249.99′	71°12′18″ Rt	178.99′	310.68′
8	2999.87′	3°14′48″ Rt	85.02′	169.99′
9	300.0′	27°04′27″ Rt	72.23′	141.76′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-20

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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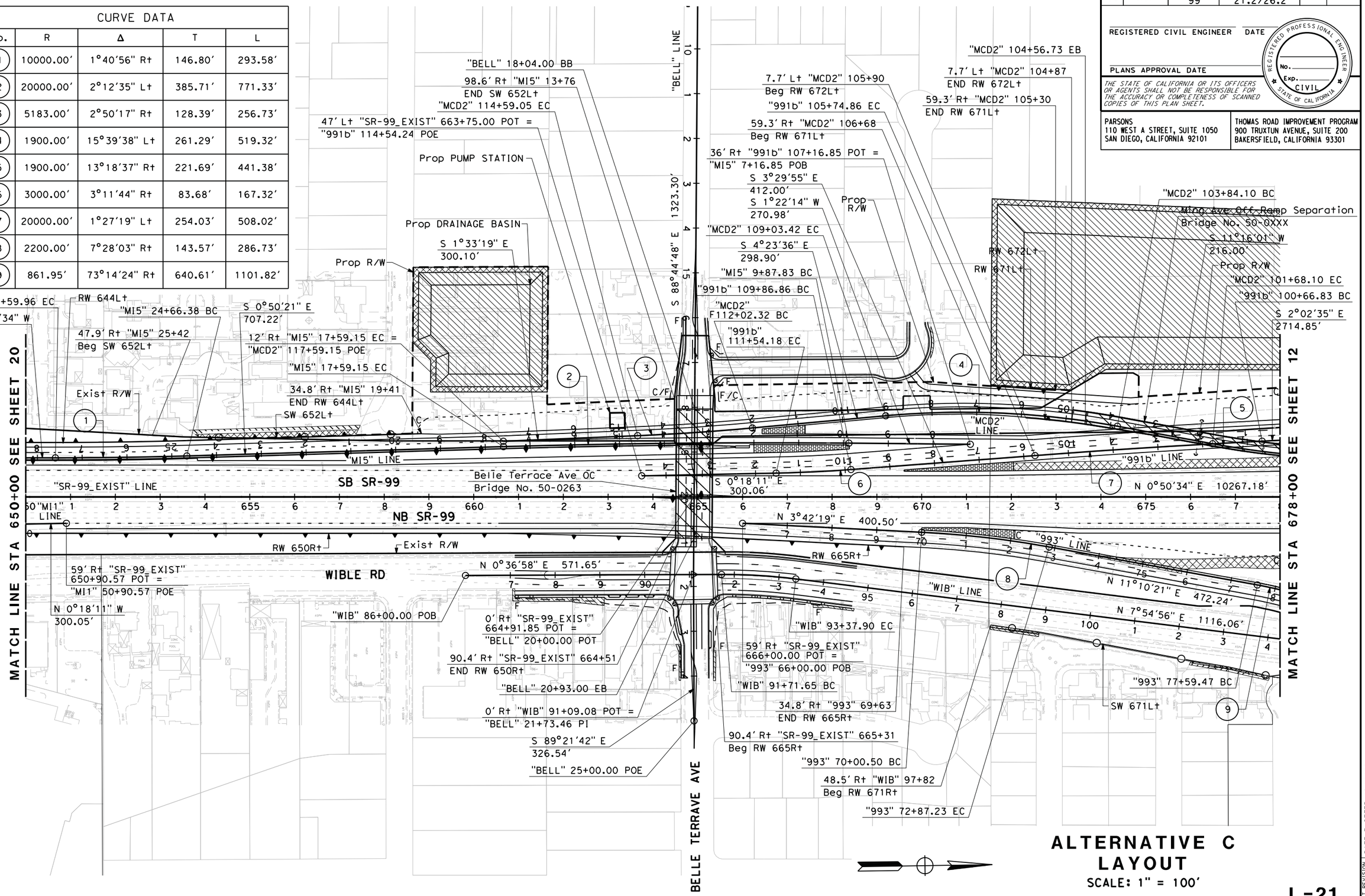
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA

No.	R	Δ	T	L
1	10000.00′	1°40′56" Rt	146.80′	293.58′
2	20000.00′	2°12′35" Lt	385.71′	771.33′
3	5183.00′	2°50′17" Rt	128.39′	256.73′
4	1900.00′	15°39′38" Lt	261.29′	519.32′
5	1900.00′	13°18′37" Rt	221.69′	441.38′
6	3000.00′	3°11′44" Rt	83.68′	167.32′
7	20000.00′	1°27′19" Lt	254.03′	508.02′
8	2200.00′	7°28′03" Rt	143.57′	286.73′
9	861.95′	73°14′24" Rt	640.61′	1101.82′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-21

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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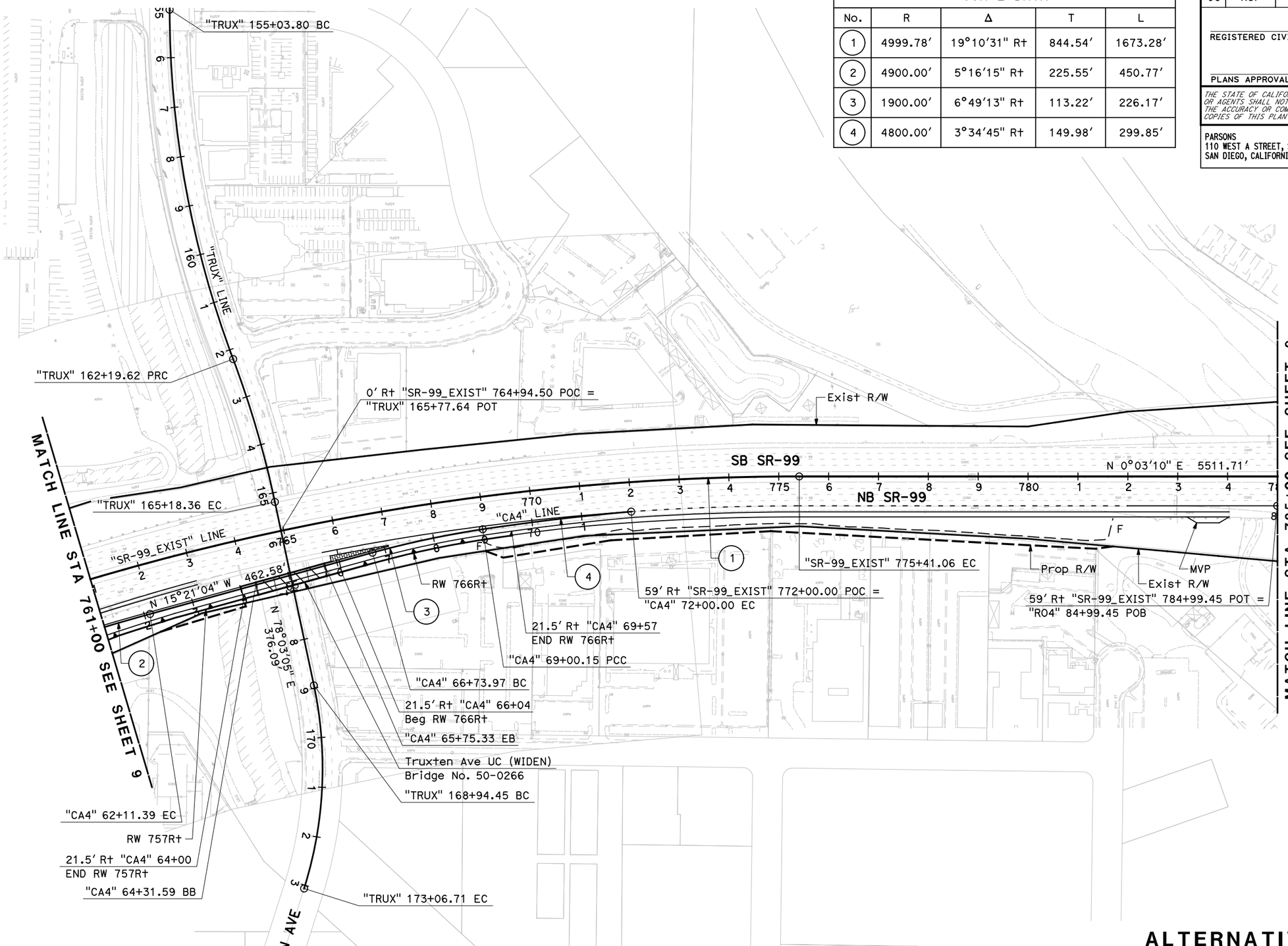
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	4999.78′	19°10′31" Rt	844.54′	1673.28′
2	4900.00′	5°16′15" Rt	225.55′	450.77′
3	1900.00′	6°49′13" Rt	113.22′	226.17′
4	4800.00′	3°34′45" Rt	149.98′	299.85′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-22

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Parsons

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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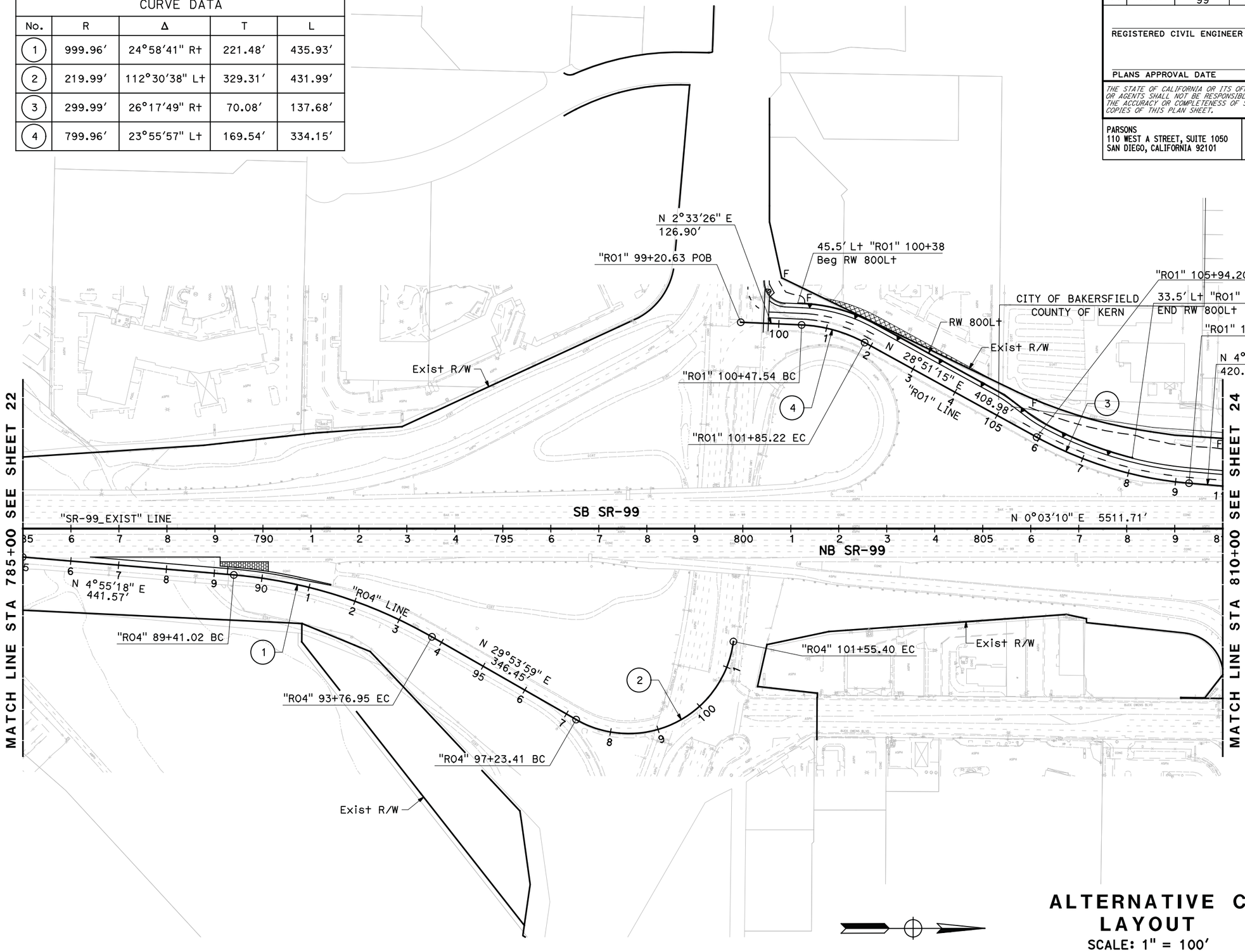
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

CURVE DATA				
No.	R	Δ	T	L
1	999.96′	24°58′41" R+	221.48′	435.93′
2	219.99′	112°30′38" L+	329.31′	431.99′
3	299.99′	26°17′49" R+	70.08′	137.68′
4	799.96′	23°55′57" L+	169.54′	334.15′



ALTERNATIVE C LAYOUT

SCALE: 1" = 100′

L-23

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DATE REVISED

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TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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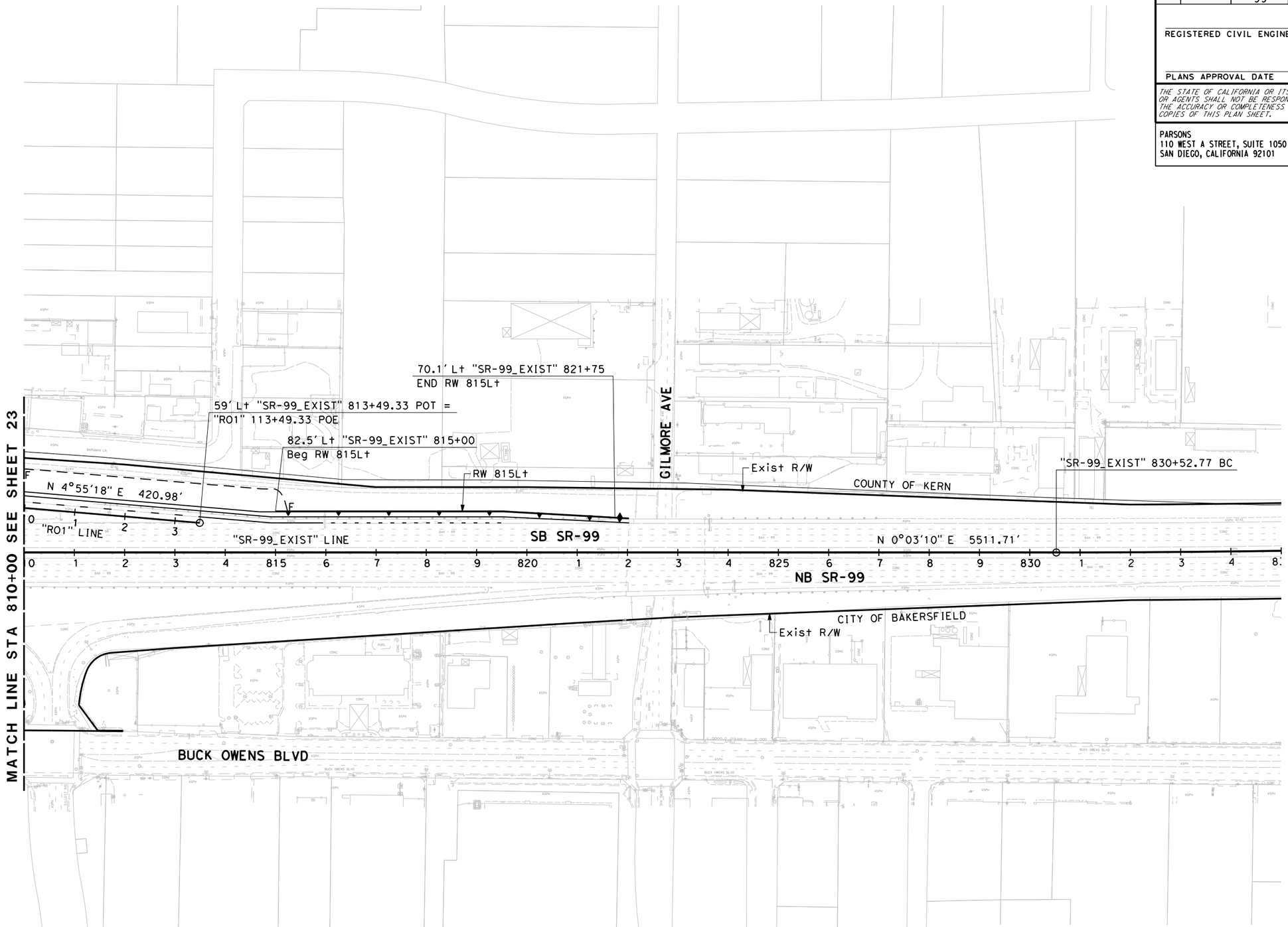

ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-24

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE

TIME PLOTTED => $TIME

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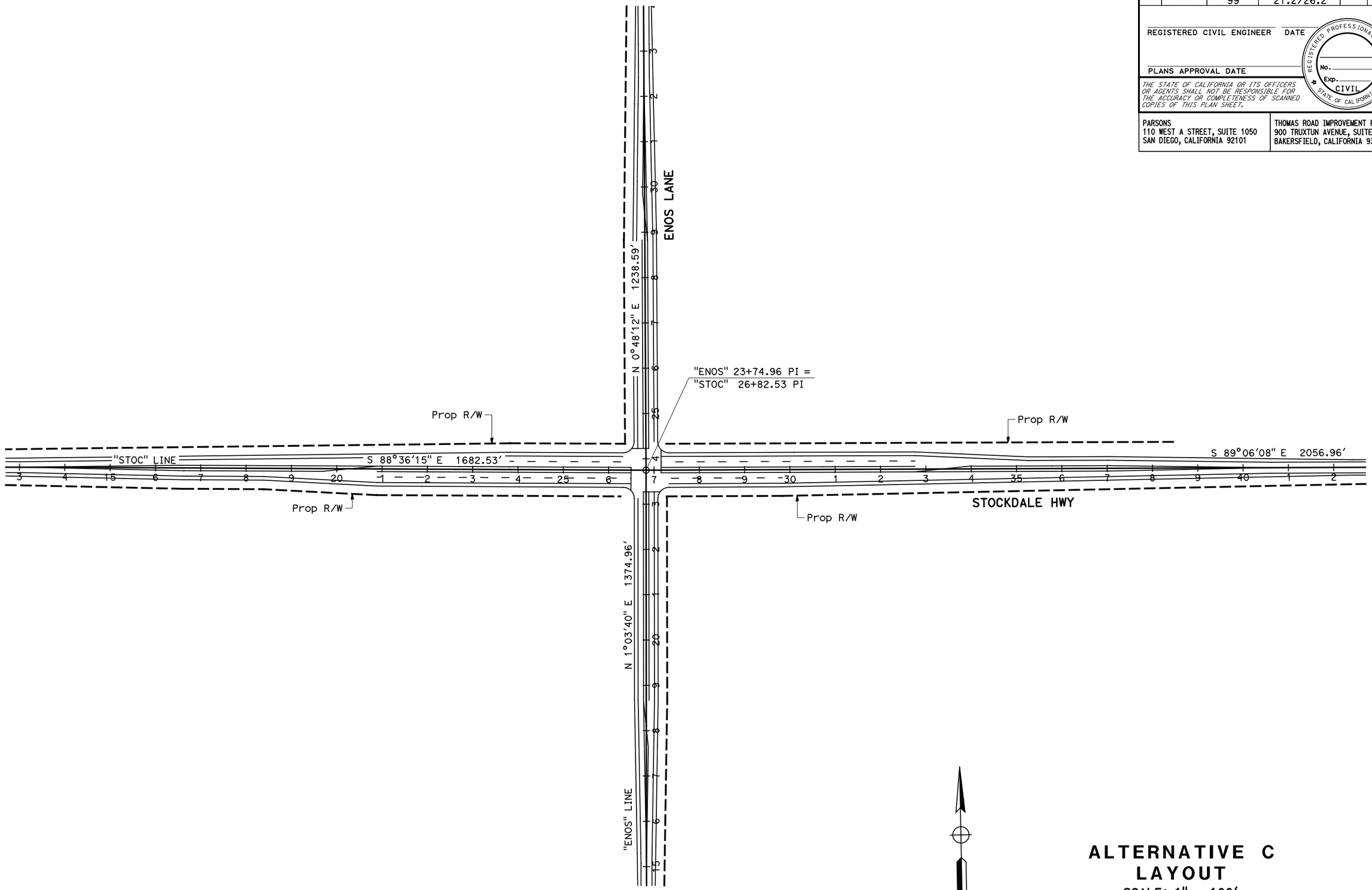

ALTERNATIVE C LAYOUT

SCALE: 1" = 100'

L-25

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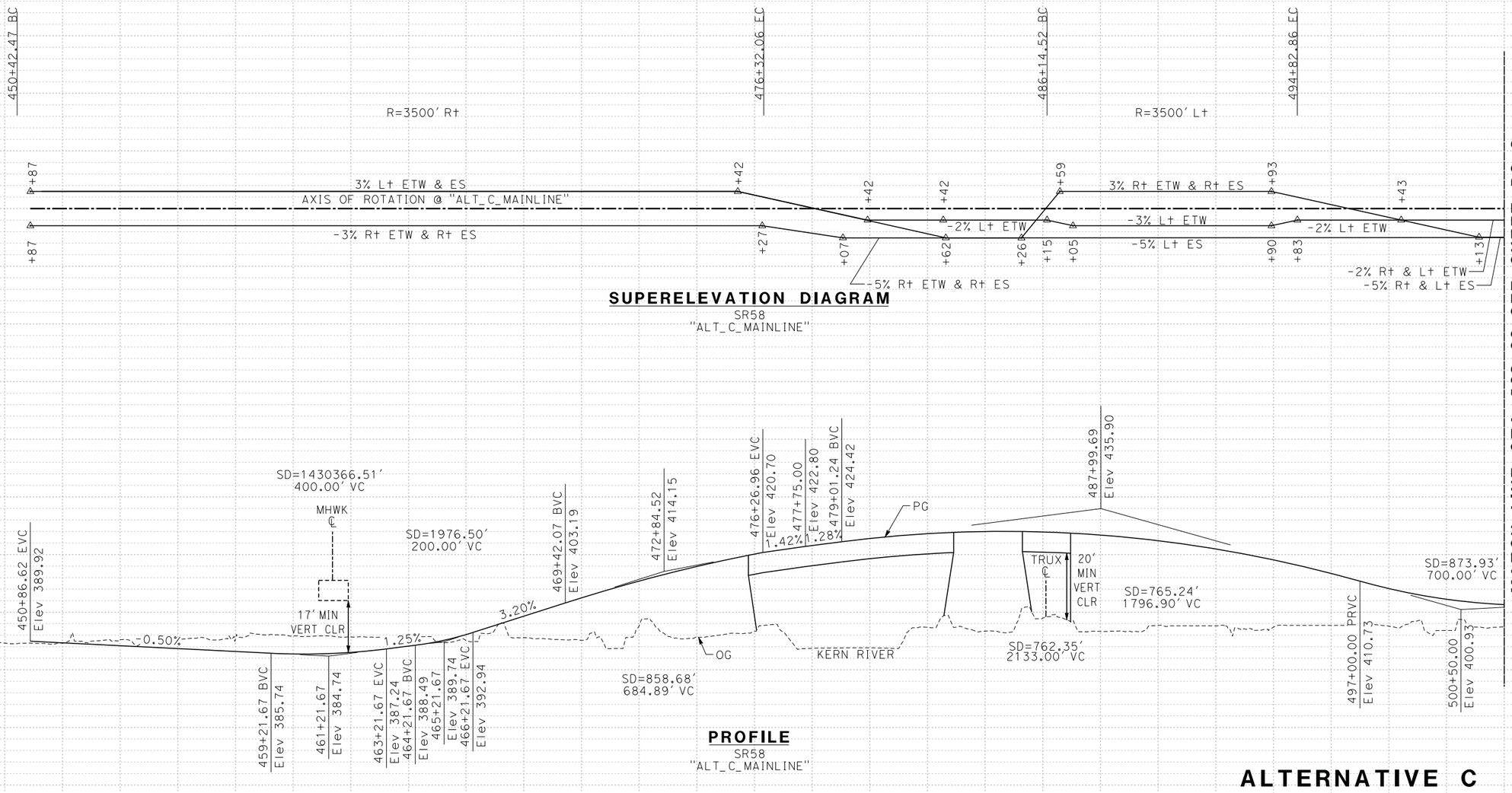

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-1

STATION	450+00	460+00	470+00	480+00	490+00	500+00	TOTAL
CY Exc							
CY Emb							

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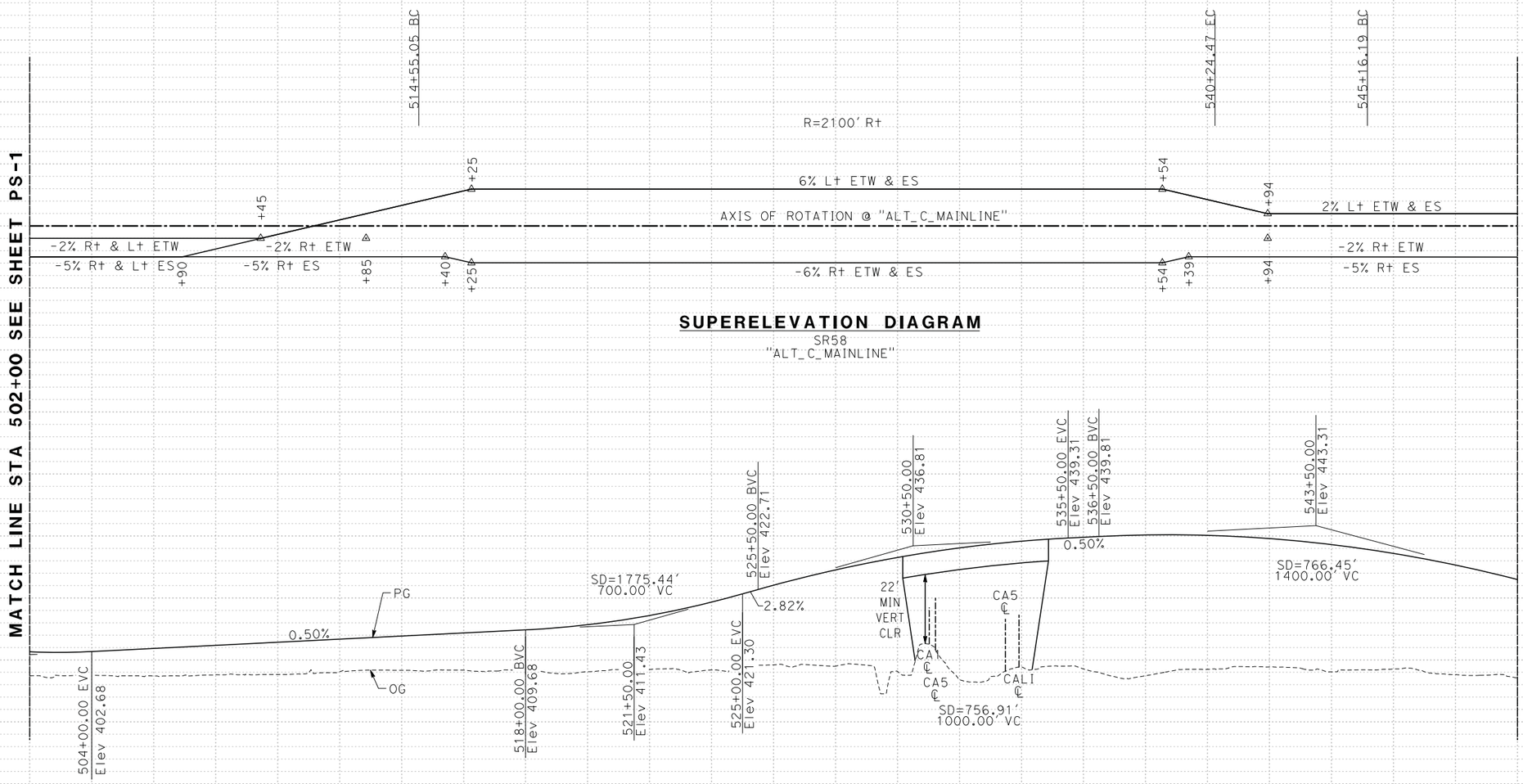

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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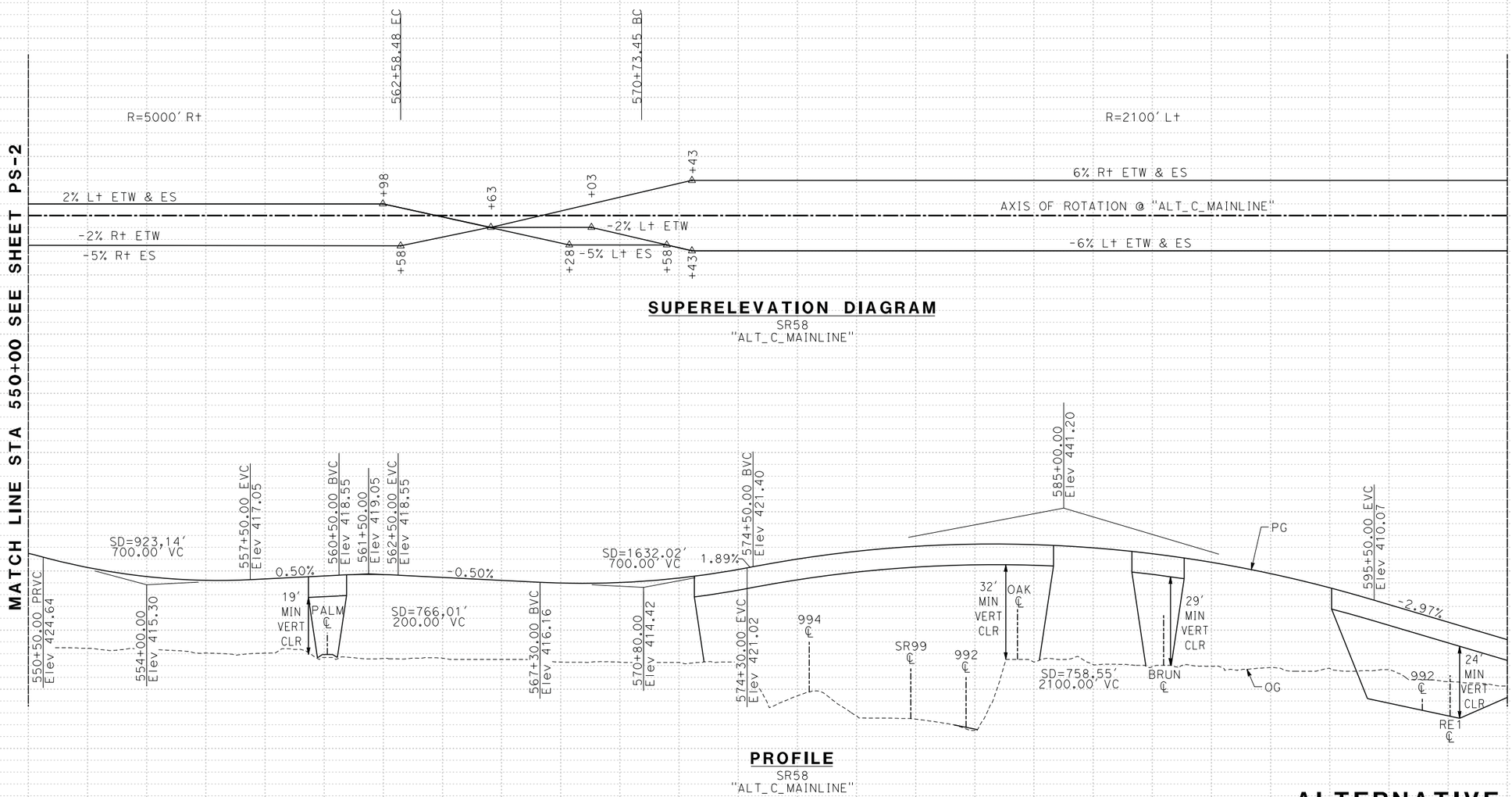

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-3

STATION	550+00	560+00	570+00	580+00	590+00	600+00	TOTAL
CY Exc							
CY Emb							

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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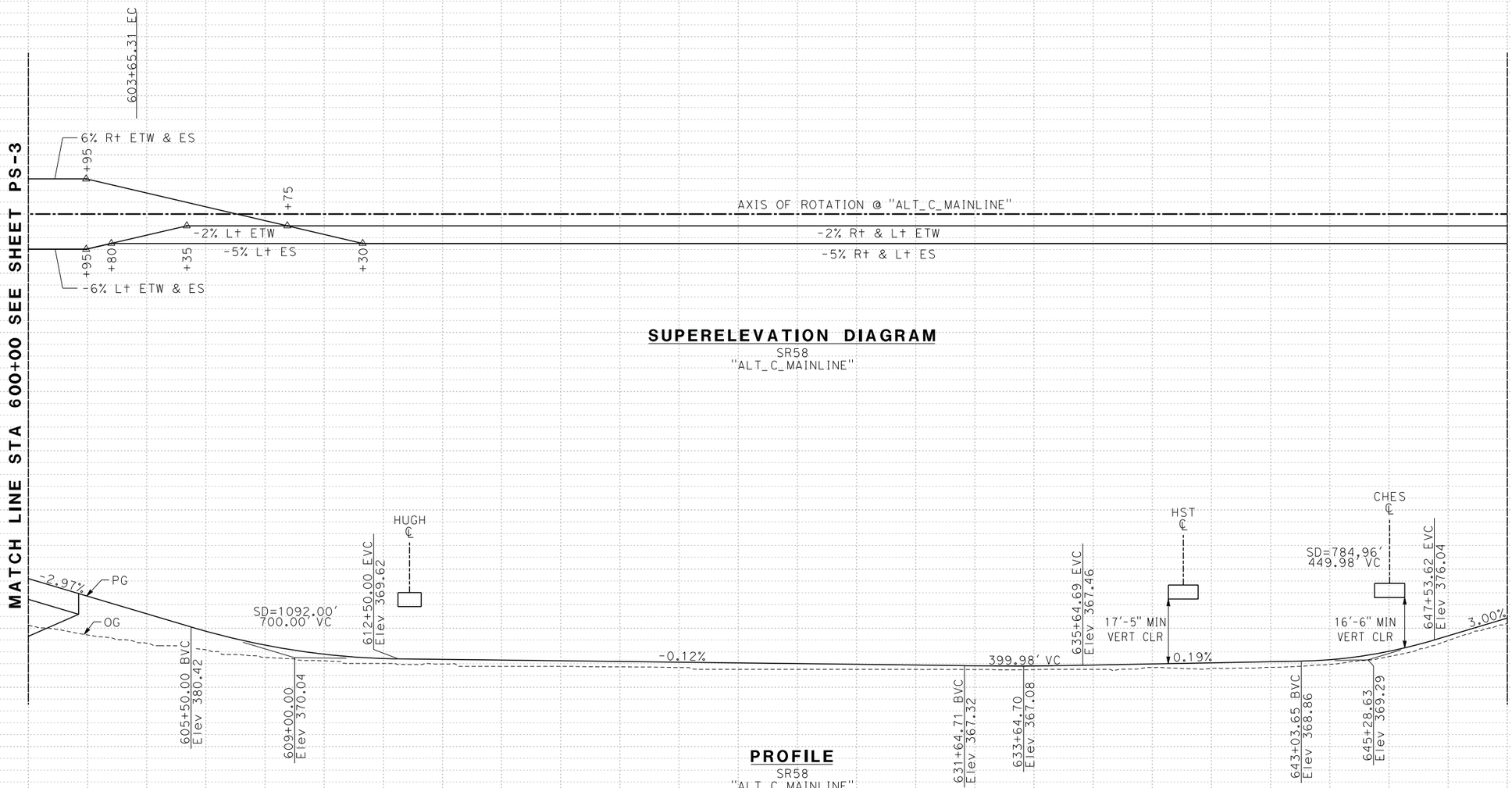

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-4

STATION	600+00	610+00	620+00	630+00	640+00	650+00	TOTAL
CY Exc							
CY Emb							

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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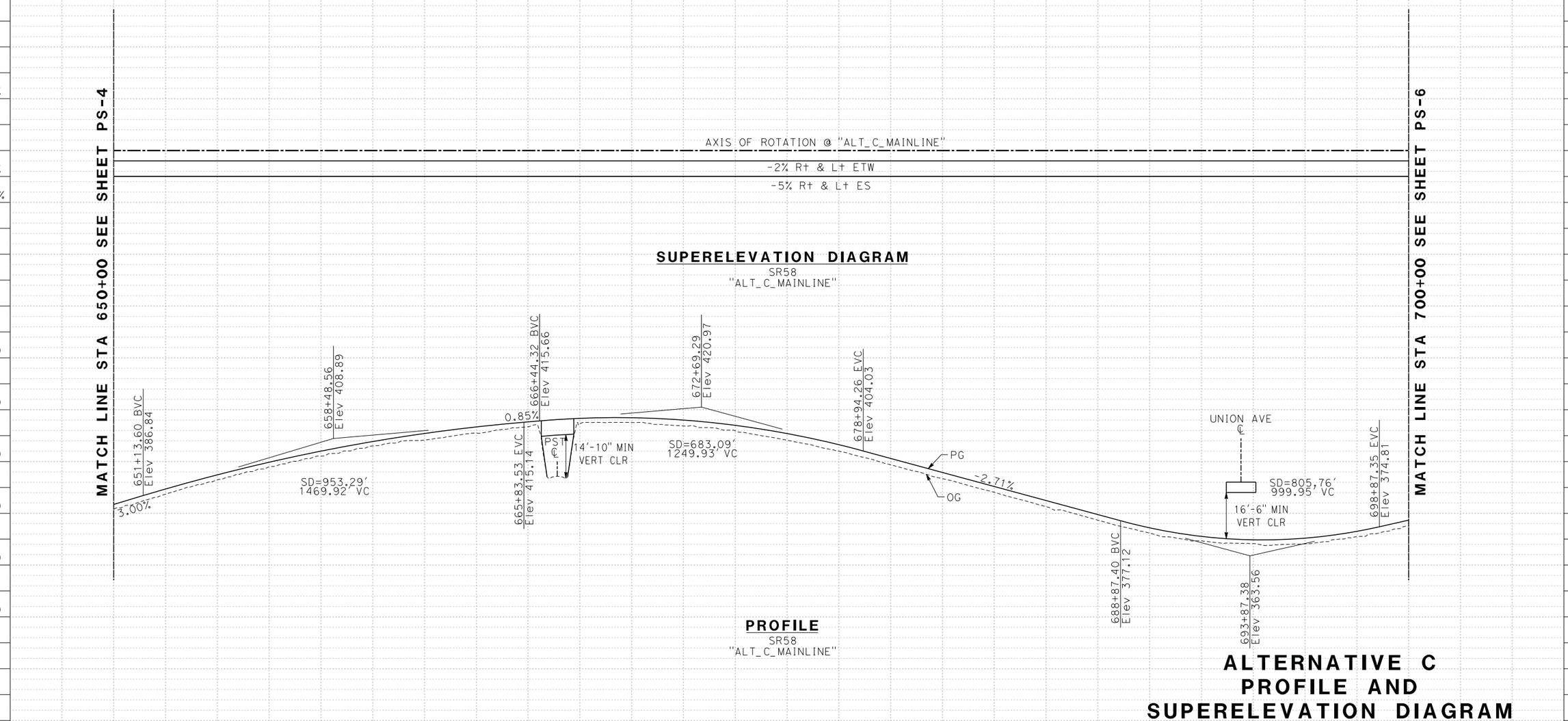

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-5

STATION	650+00	660+00	670+00	680+00	690+00	700+00	TOTAL
CY Exc							
CY Emb							

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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BAKERSFIELD, CALIFORNIA 93301

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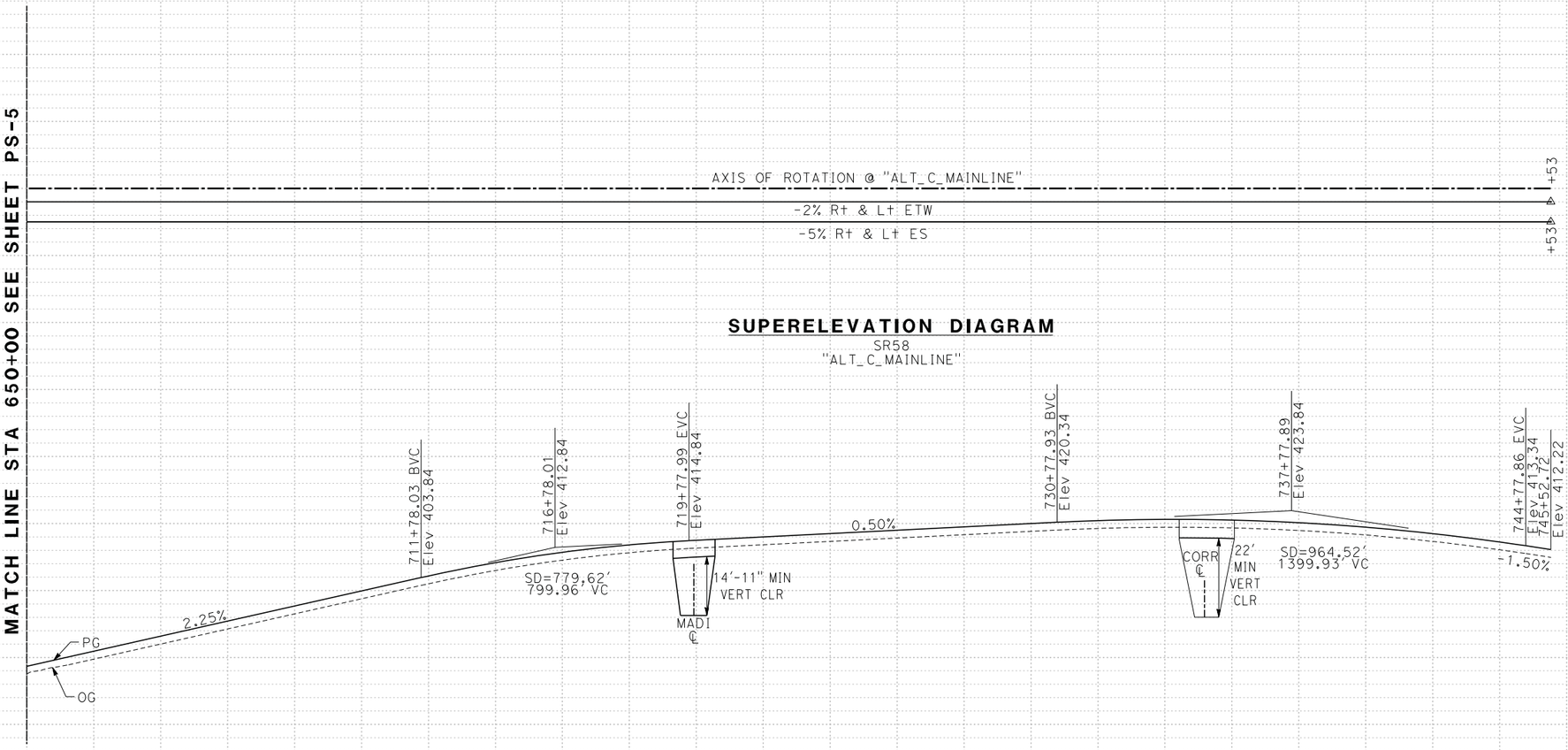

10% 5% 0% -5% -10%

440 420 400 380 360 340

STATION	700+00	710+00	720+00	730+00	740+00	700+00	TOTAL
CY Exc							
CY Emb							

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-6

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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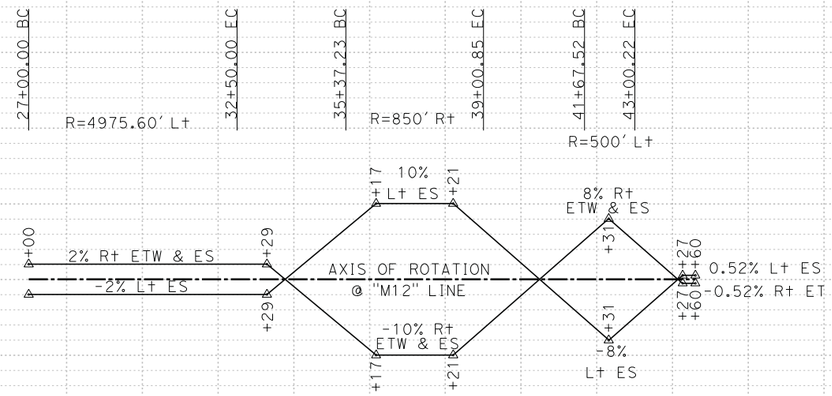
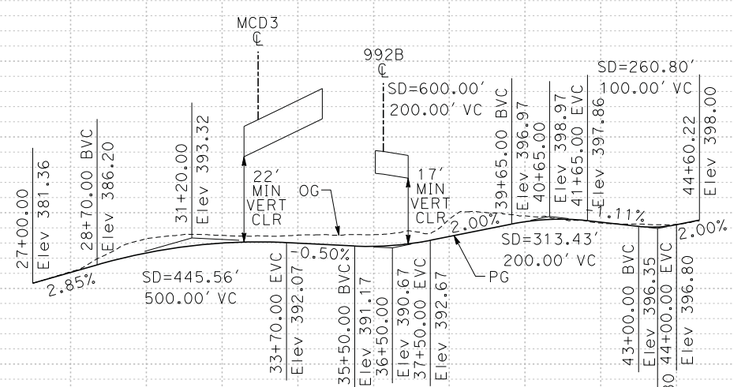
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

CALIFORNIA AVE
NB SR99 OFF RAMP
"CA3"



PROFILE

CALIFORNIA AVE
NB SR99 OFF RAMP
"CA3"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-7

STATION		30+00	40+00	TOTAL
CY	Exc			
	Emb			

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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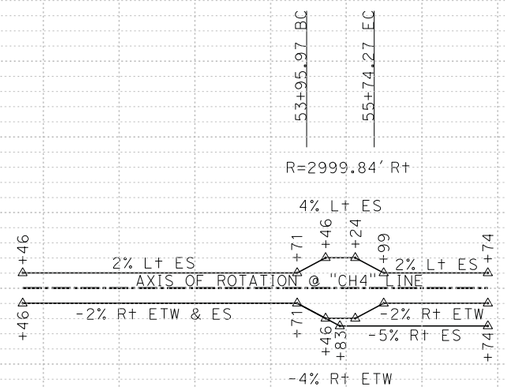
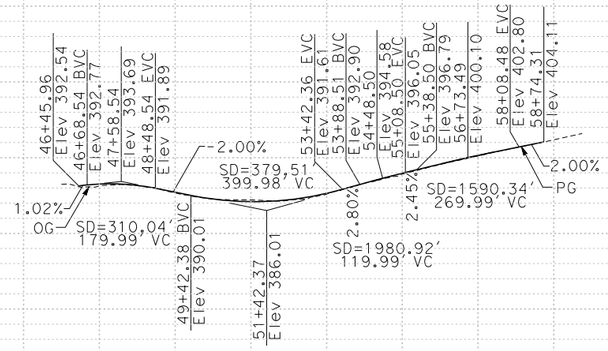
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

CHESTNUT AVE
EB SR58 ON RAMP
"CH4"



PROFILE

CHESTNUT AVE
EB SR58 ON RAMP
"CH4"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-8

STATION	45+00	55+00	TOTAL
CY Exc			
CY Emb			

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CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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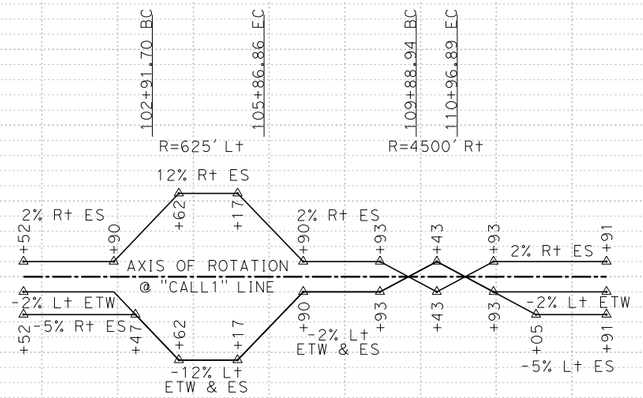
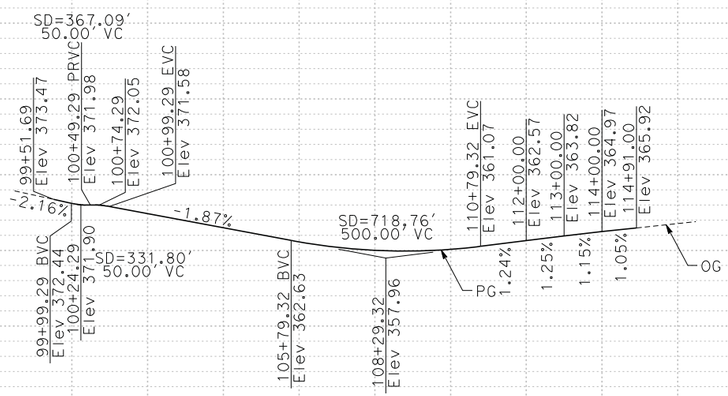
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"



PROFILE
CALLOWAY DRIVE
WB SR58 OFF RAMP
"CALL1"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-9

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CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

STATION 100+00 110+00 TOTAL
CY Exc
Emb

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010
USERNAME => $USER
DGN FILE => $REQUEST
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE
EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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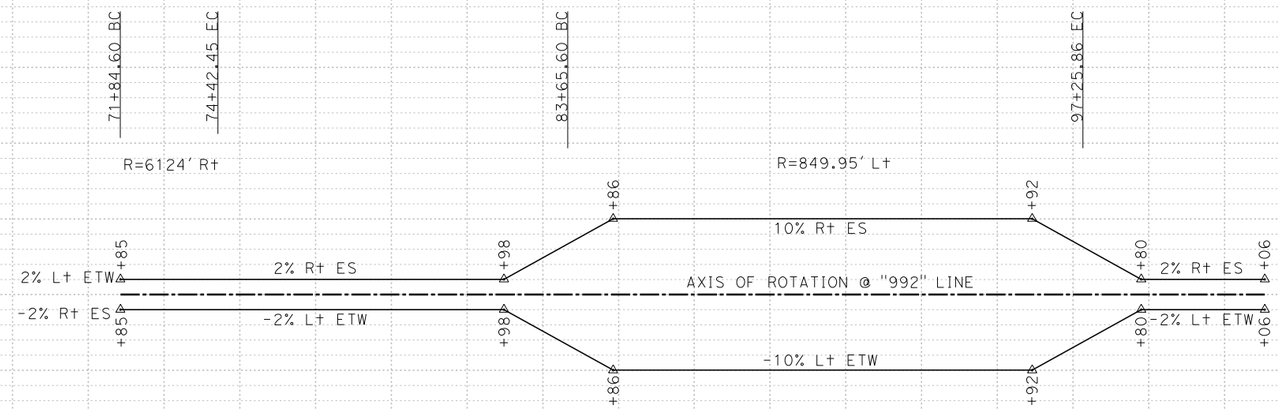
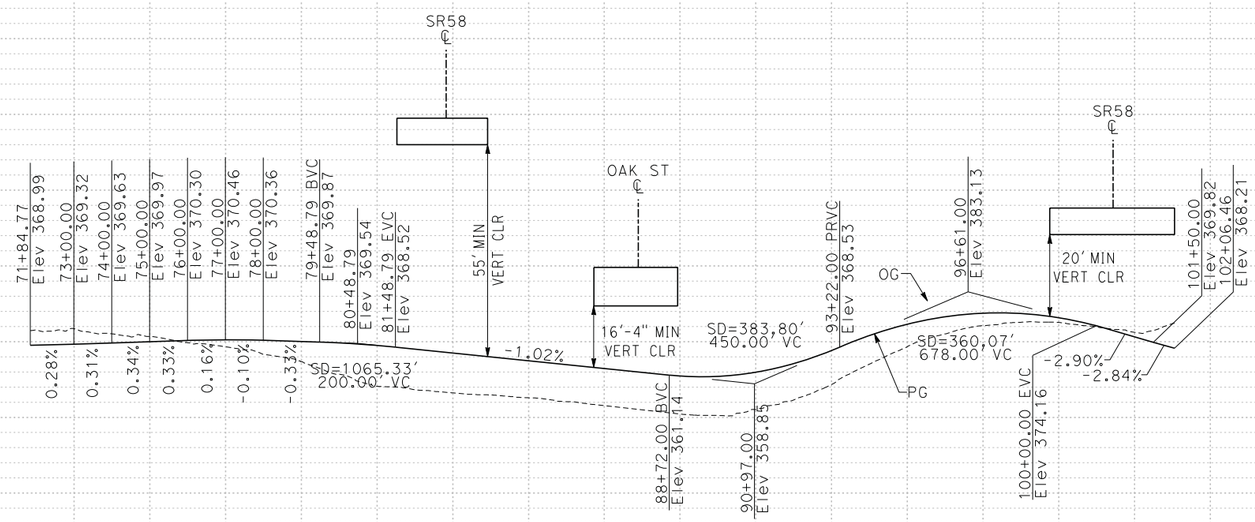
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
WB SR58
TO NB SR99 CONNECTOR
"992"



PROFILE
WB SR58
TO NB SR99 CONNECTOR
"992"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-10

STATION	75+00	85+00	95+00	105+00	TOTAL
CY Exc					
CY Emb					

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CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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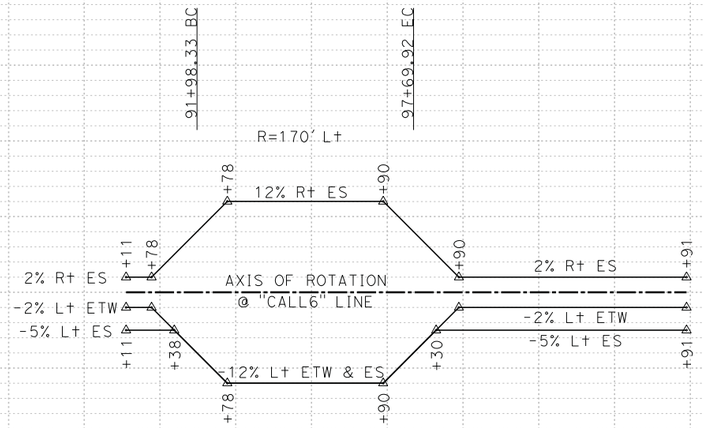
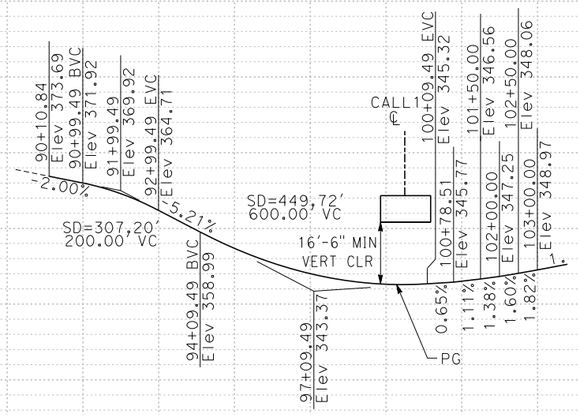
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"



PROFILE

CALLOWAY DRIVE
WB SR58 LOOP OFF RAMP
"CALL6"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-11

STATION	40+00	50+00	60+00	TOTAL
CY Exc				
CY Emb				

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LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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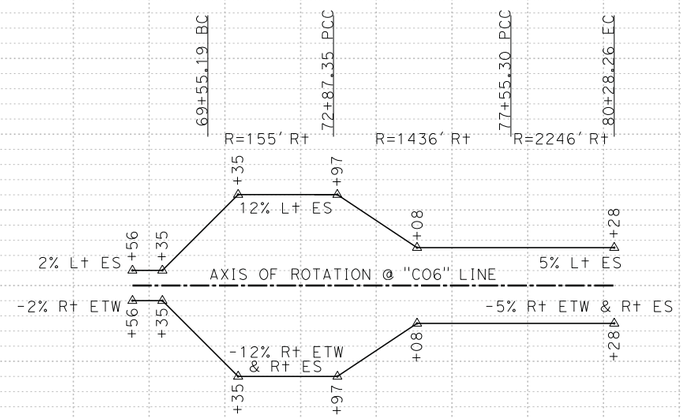
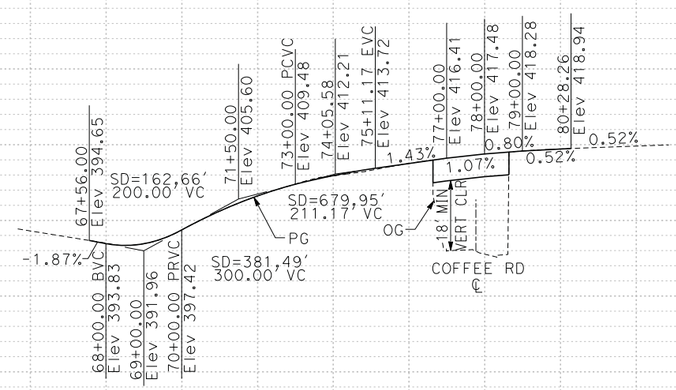
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
COFFEE RD
EB SR58 LOOP ON RAMP
"CO6"



PROFILE
COFFEE RD
EB SR58 LOOP ON RAMP
"CO6"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-12

STATION	70+00	80+00	90+00	100+00	TOTAL
CY Exc					
CY Emb					

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DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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PLANS APPROVAL DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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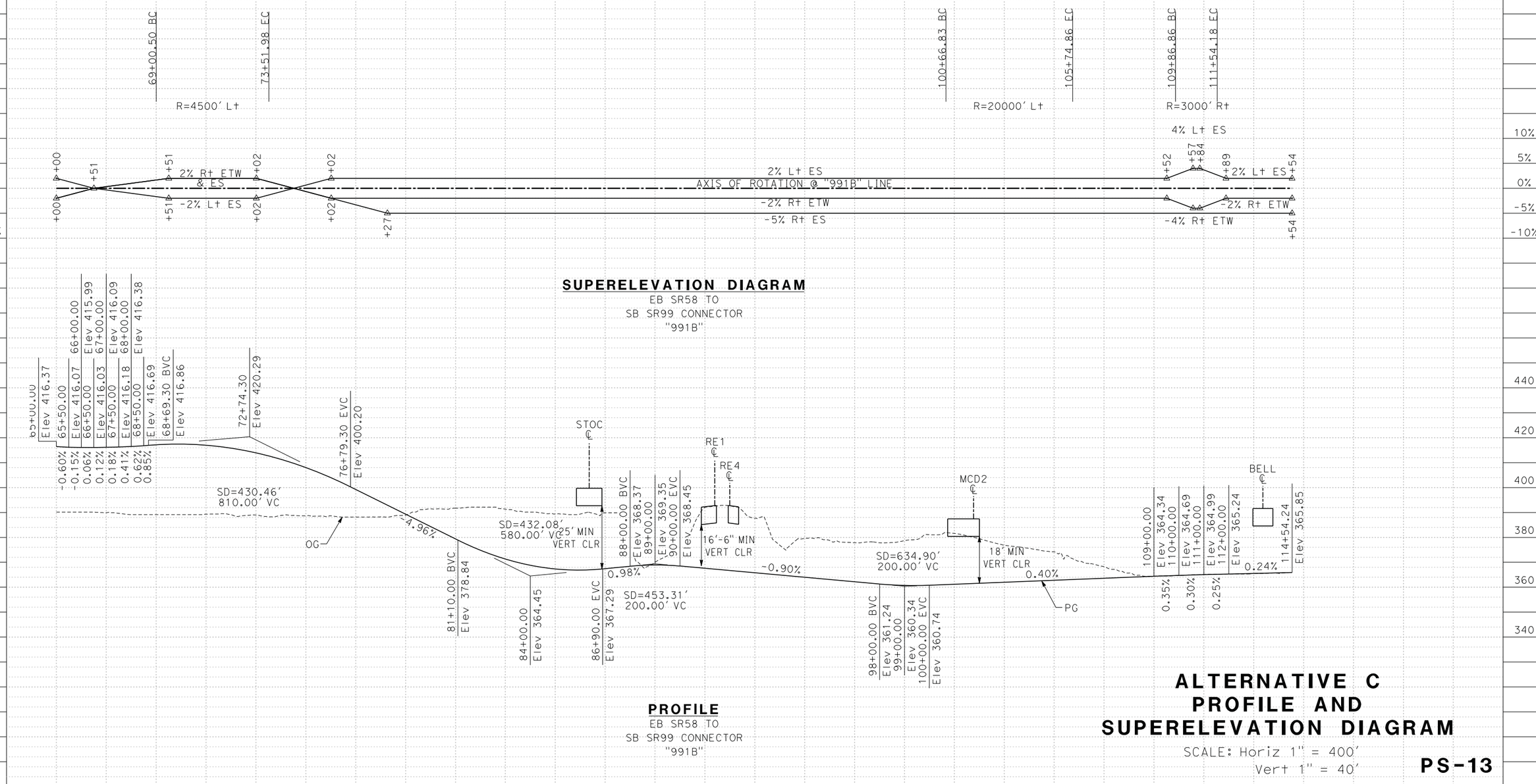
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-13

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DATE REVISED

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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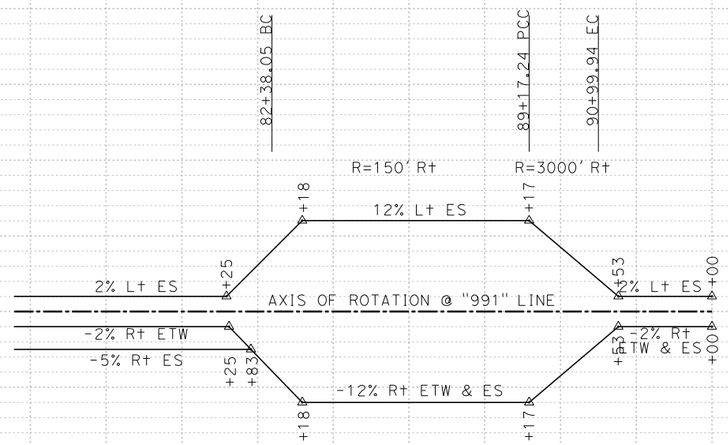
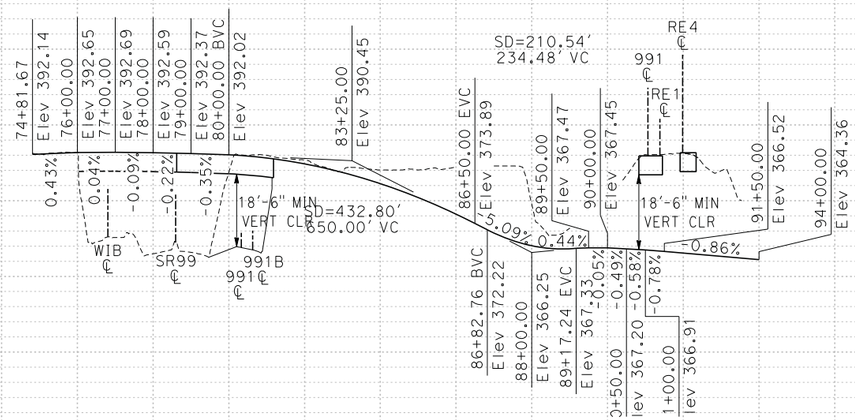
THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

WB SR58 TO
SB SR99 LOOP CONNECTOR
"991"



PROFILE

WB SR58 TO
SB SR99 LOOP CONNECTOR
"991"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-14

STATION	70+00	80+00	90+00	100+00	TOTAL
CY Exc					
CY Emb					

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DATE REVISED

LAST REVISION 03-27-15

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TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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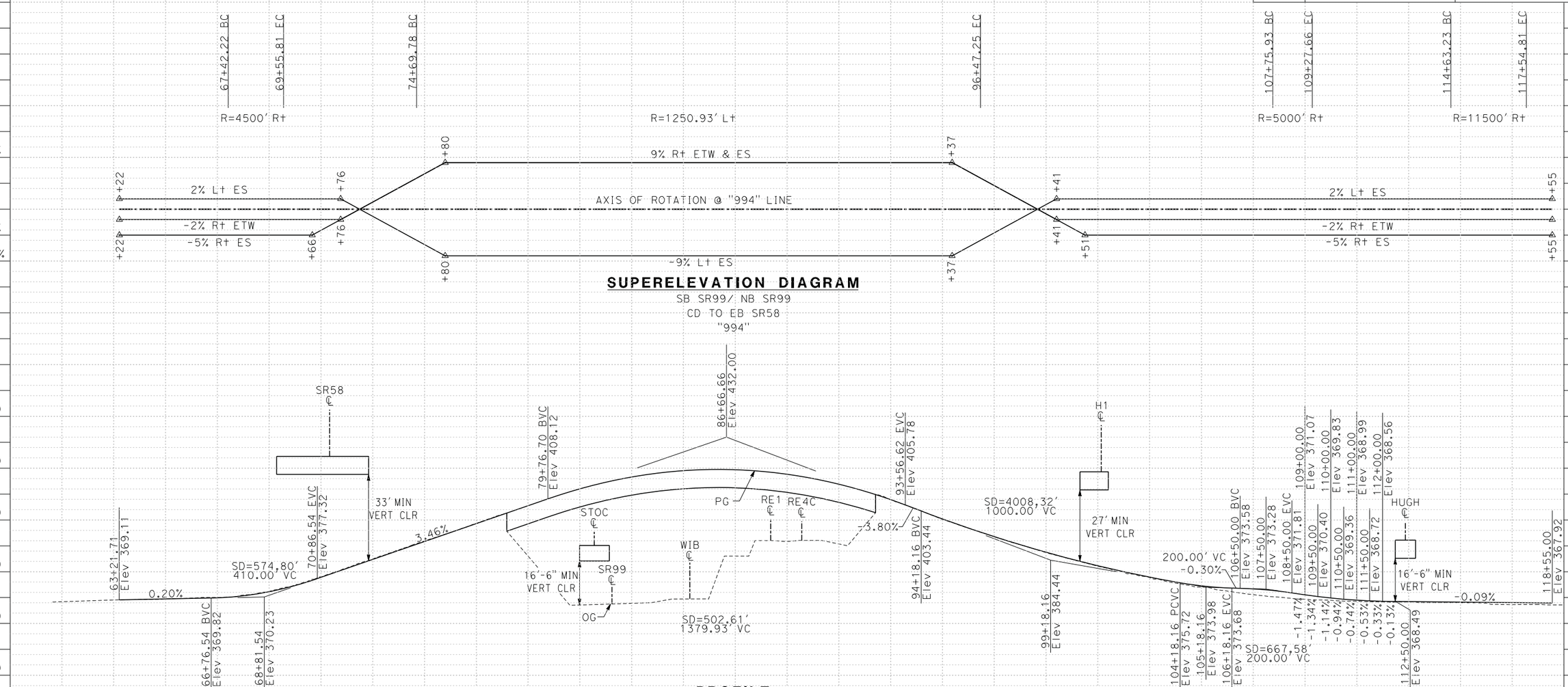
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-15

STATION	65+00	75+00	85+00	95+00	105+00	115+00	TOTAL
CY Exc							
CY Emb							

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Caltrans

LAST REVISION 03-27-15 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE | EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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PLANS APPROVAL DATE

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SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
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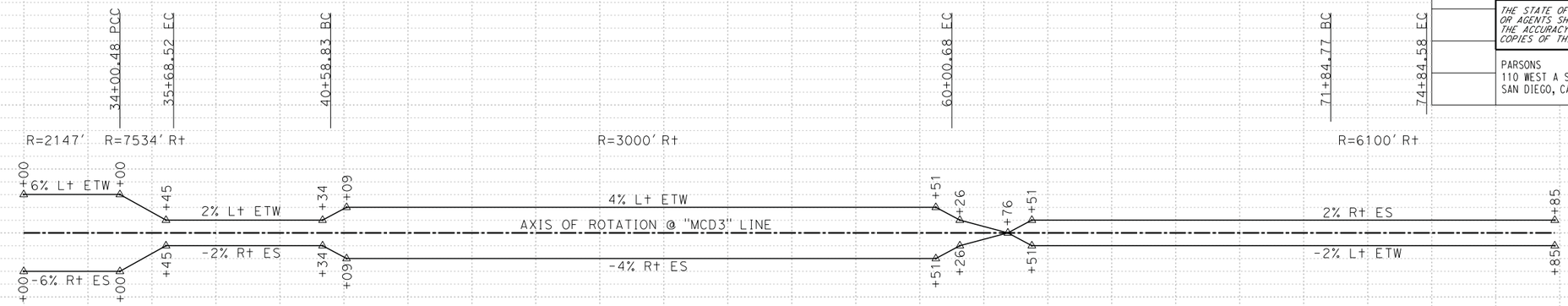
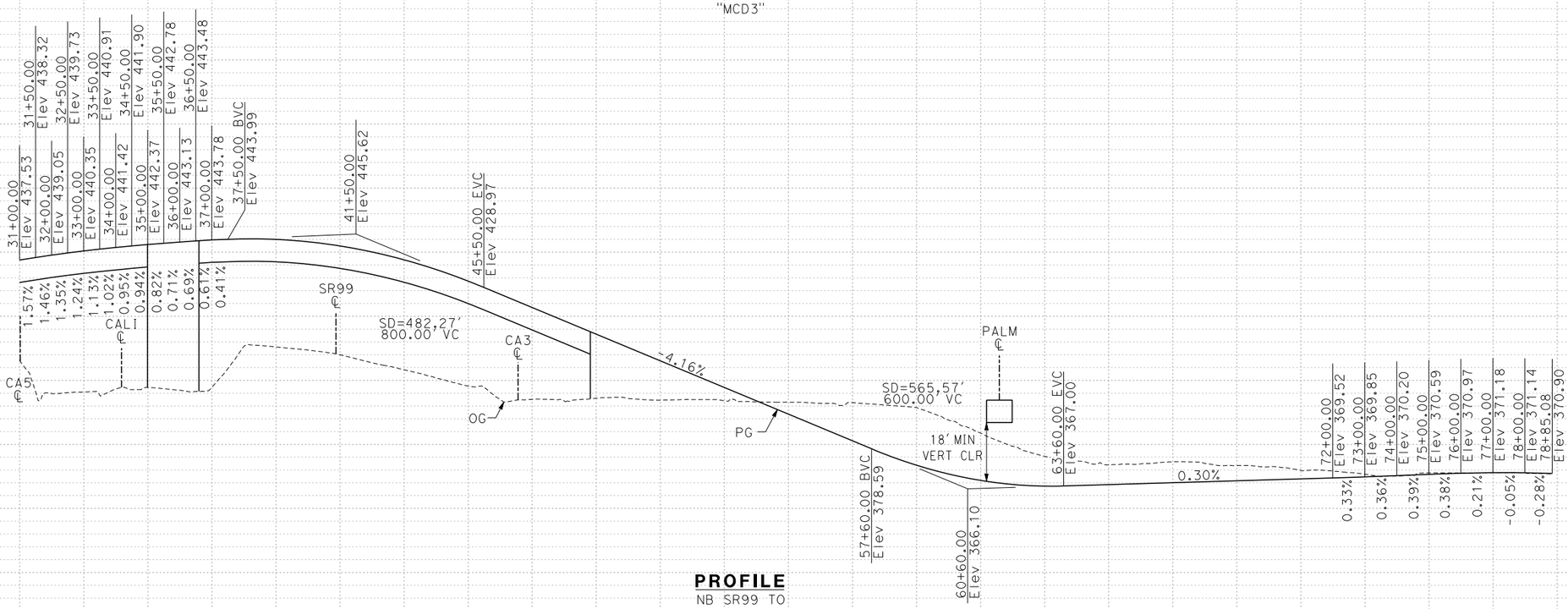
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"



PROFILE
NB SR99 TO
WB SR58 CONNECTOR
"MCD3"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-16

STATION	35+00	45+00	55+00	65+00	75+00	TOTAL
CY Exc						
CY Emb						

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REVISED BY
DATE REVISED

LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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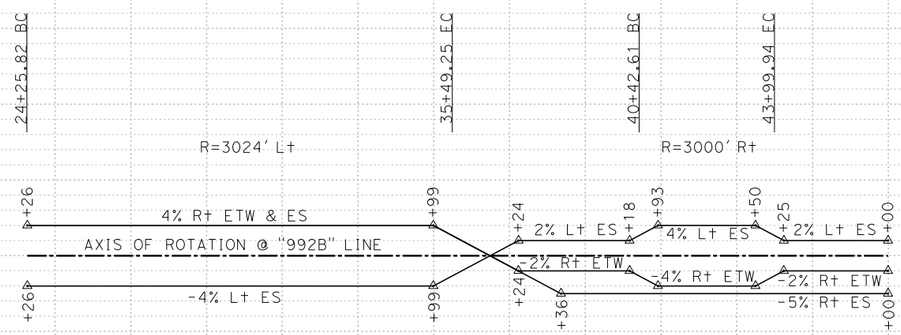
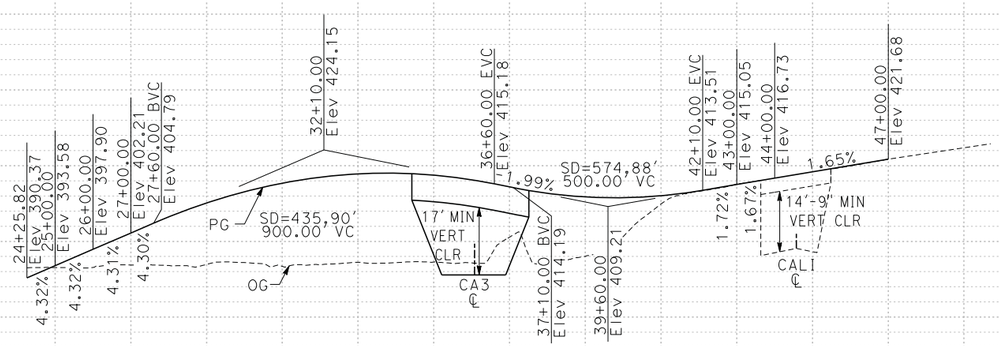
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM

WB SR58 CD
NB SR99 ON RAMP
"992B"



PROFILE

WB SR58 CD
NB SR99 ON RAMP
"992B"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

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CHECKED BY

REVISED BY

DATE REVISED

STATION 25+00 35+00 45+00 TOTAL

CY Exc

Emb

LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE

EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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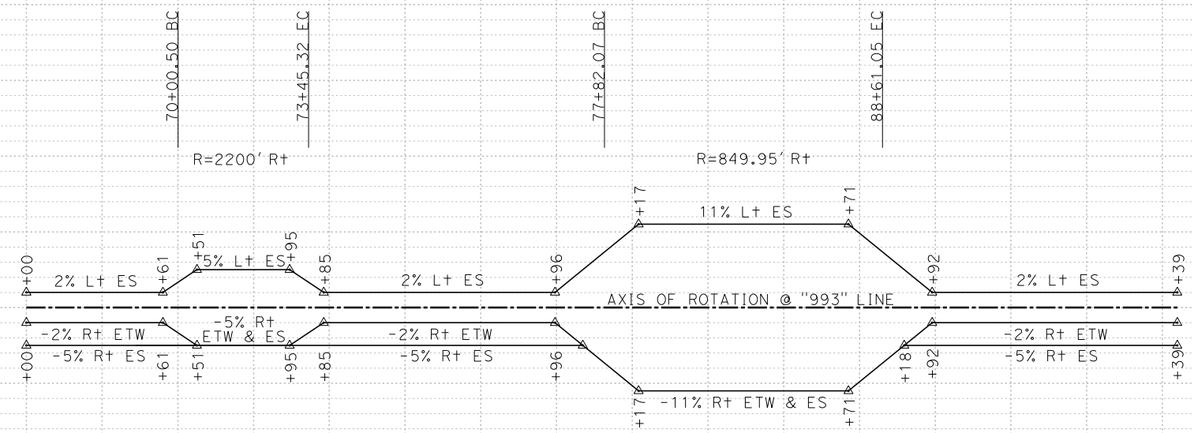
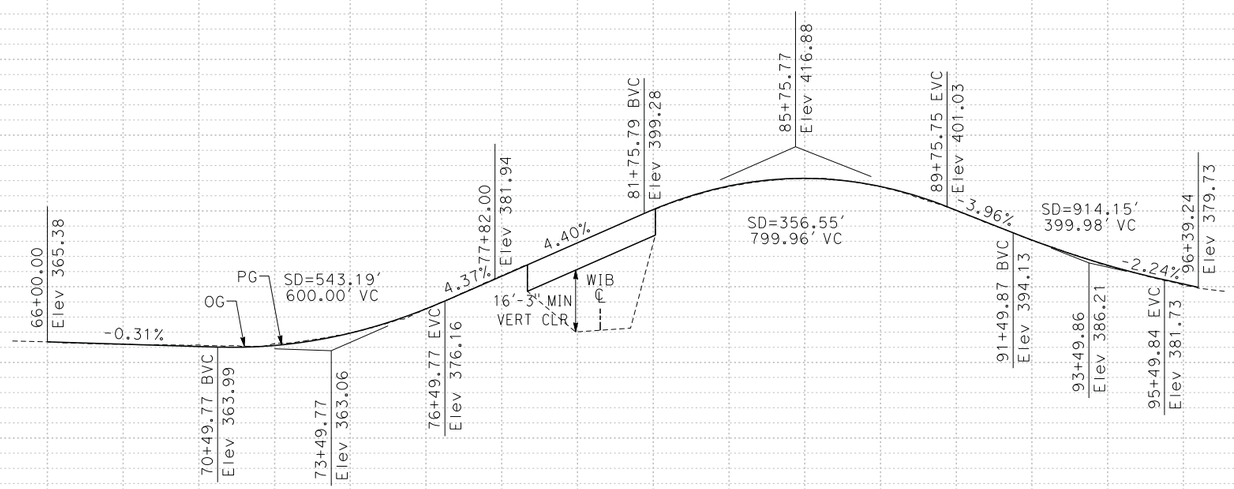
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
NB SR99 TO
EB SR58 CONNECTOR
"993"



PROFILE
NB SR99 TO
EB SR58 CONNECTOR
"993"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-18

STATION		70+00	80+00	90+00	100+00	TOTAL
CY	Exc					
	Emb					

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LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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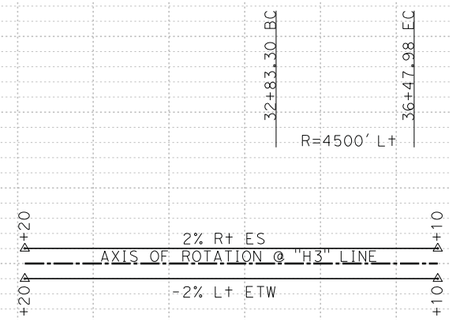
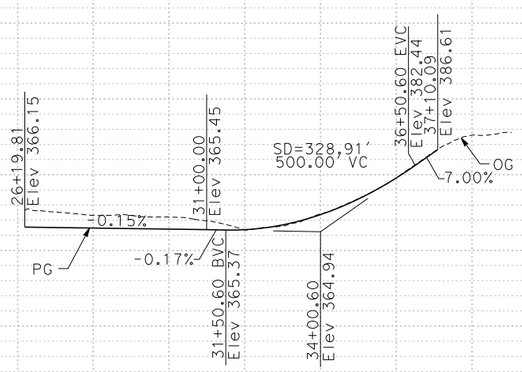
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
H ST
WB SR58 ON RAMP
"H3"



PROFILE
H ST
WB SR58 ON RAMP
"H3"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-19

10% 5% 0% -5% -10%

420 400 380 360 340

STATION 20+00 30+00 40+00 TOTAL

CY Exc
Emb

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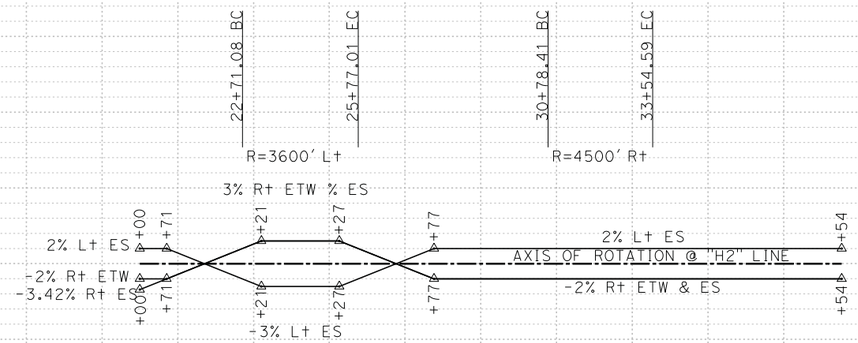
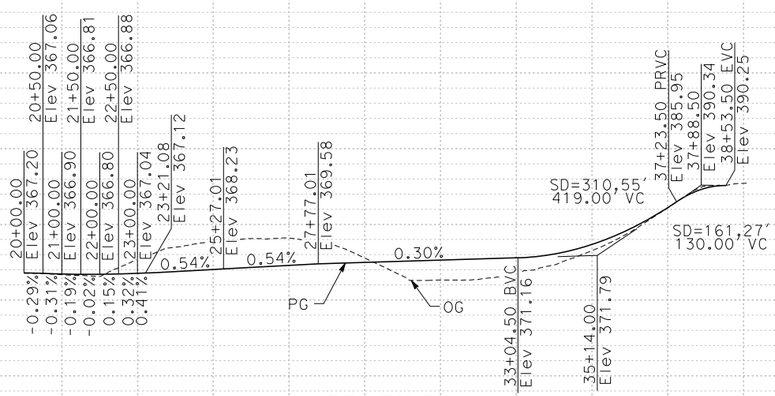


SUPERELEVATION DIAGRAM
SB SR99/NB SR99
CD TO H ST (SLIP OFF RAMP)
"H2"



PROFILE
SB SR99/NB SR99
CD TO H ST (SLIP OFF RAMP)
"H2"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-20

STATION	15+00	25+00	35+00	45+00	TOTAL
CY Exc					
CY Emb					

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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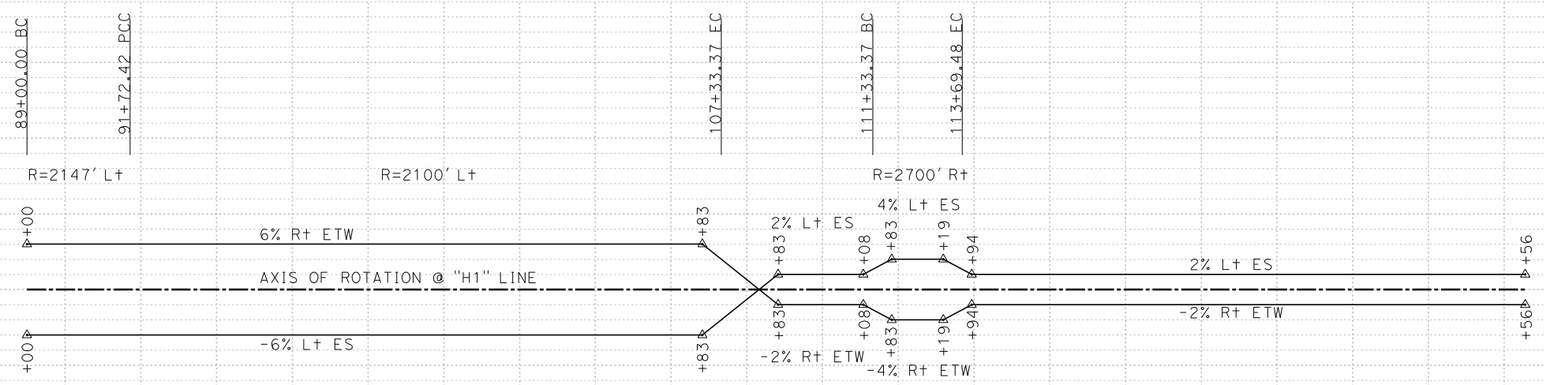
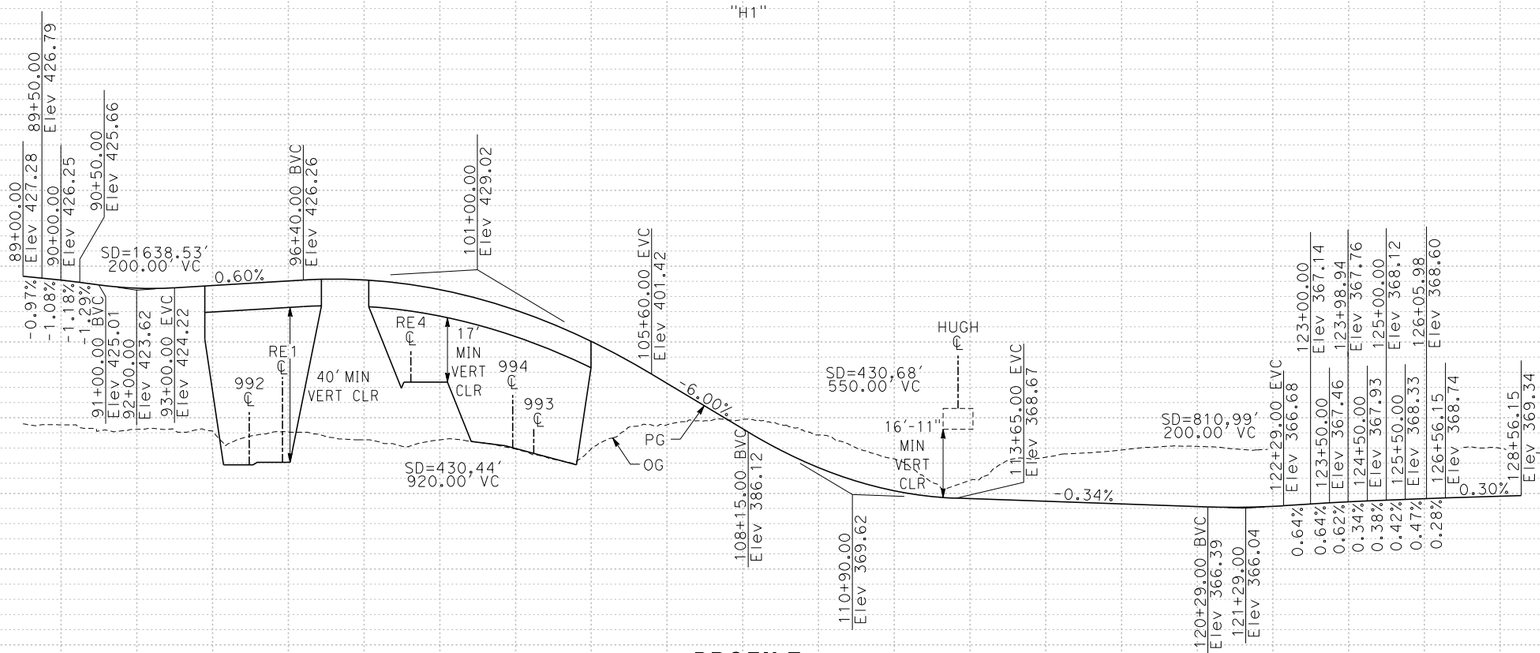


SUPERELEVATION DIAGRAM

EB SR58
H STREET OFF RAMP
"H1"



PROFILE

EB SR58
H STREET OFF RAMP
"H1"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-21

STATION	90+00	100+00	110+00	120+00	130+00	TOTAL
CY Exc						
CY Emb						

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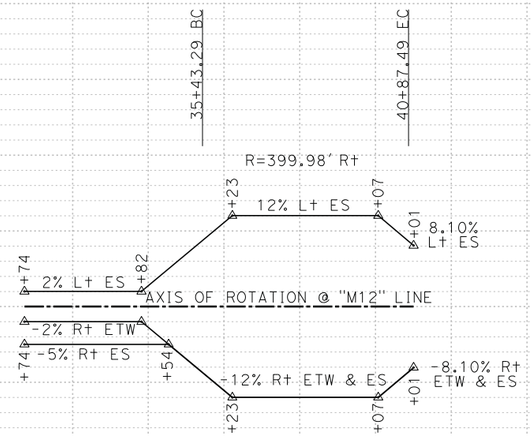
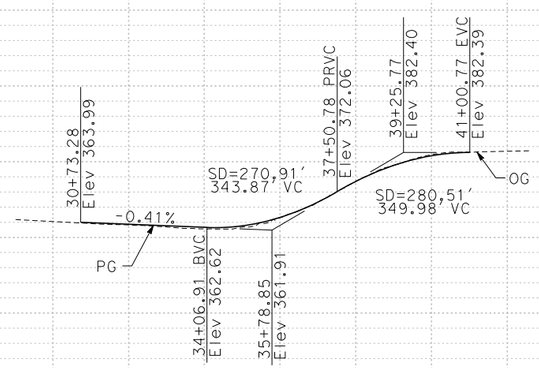


SUPERELEVATION DIAGRAM
MING AVE
SB SR99 CD OFF RAMP
"M12"



PROFILE
MING AVE
SB SR99 CD OFF RAMP
"M12"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-22

STATION	30+00	40+00	50+00	TOTAL
CY Exc				
CY Emb				

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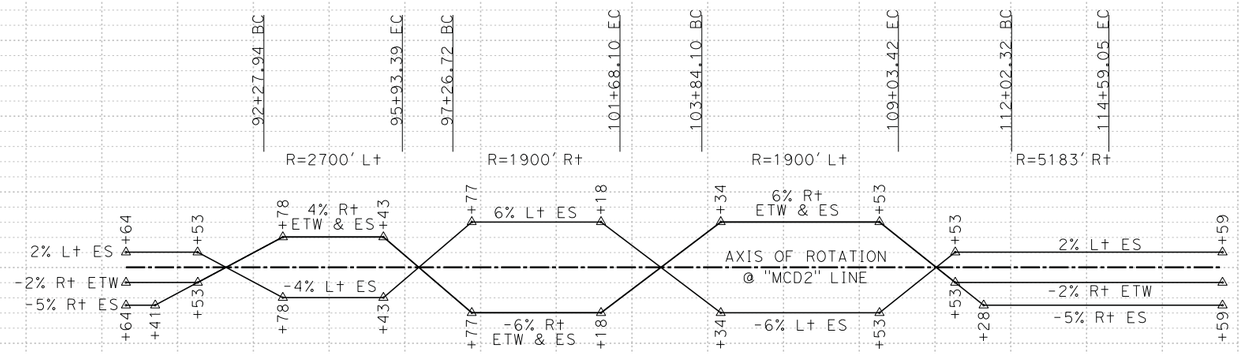
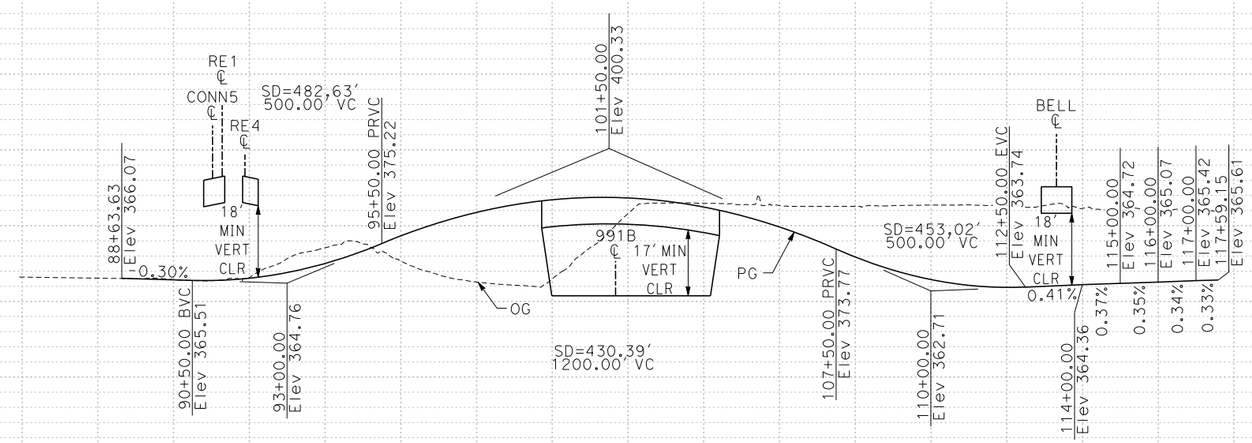


SUPERELEVATION DIAGRAM

SB SR99
TO MING CD OFF RAMP
"MCD2"



PROFILE

SB SR99
TO MING CD OFF RAMP
"MCD2"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-23

STATION	90+00	100+00	110+00	120+00	TOTAL
CY Exc					
CY Emb					

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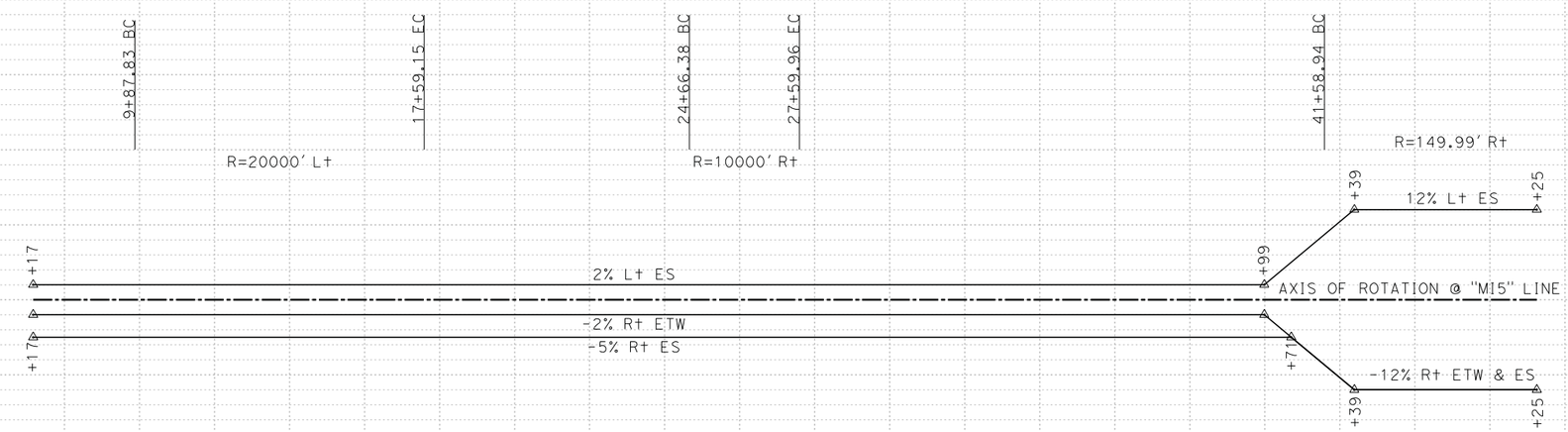
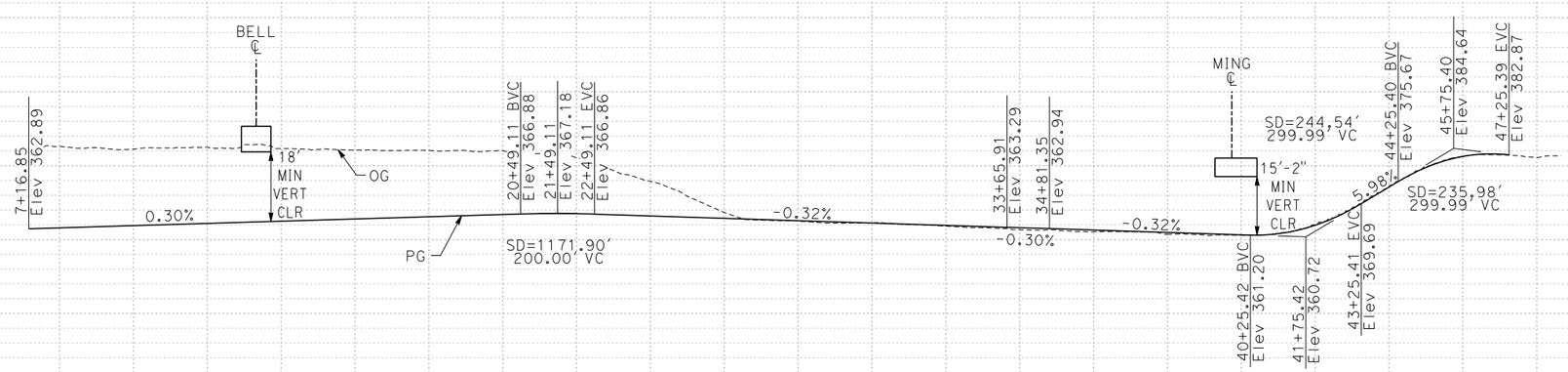


SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 LOOP OFF RAMP
"MI5"



PROFILE
MING AVENUE
SB SR99 LOOP OFF RAMP
"MI5"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-24

STATION	10+00	20+00	30+00	40+00	50+00	TOTAL
CY Exc						
CY Emb						

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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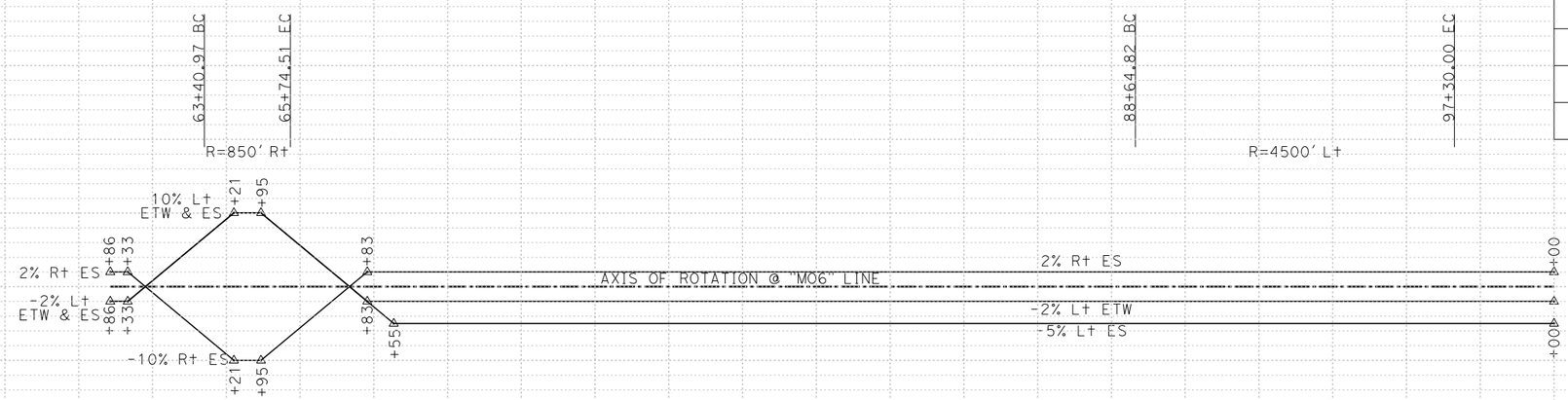
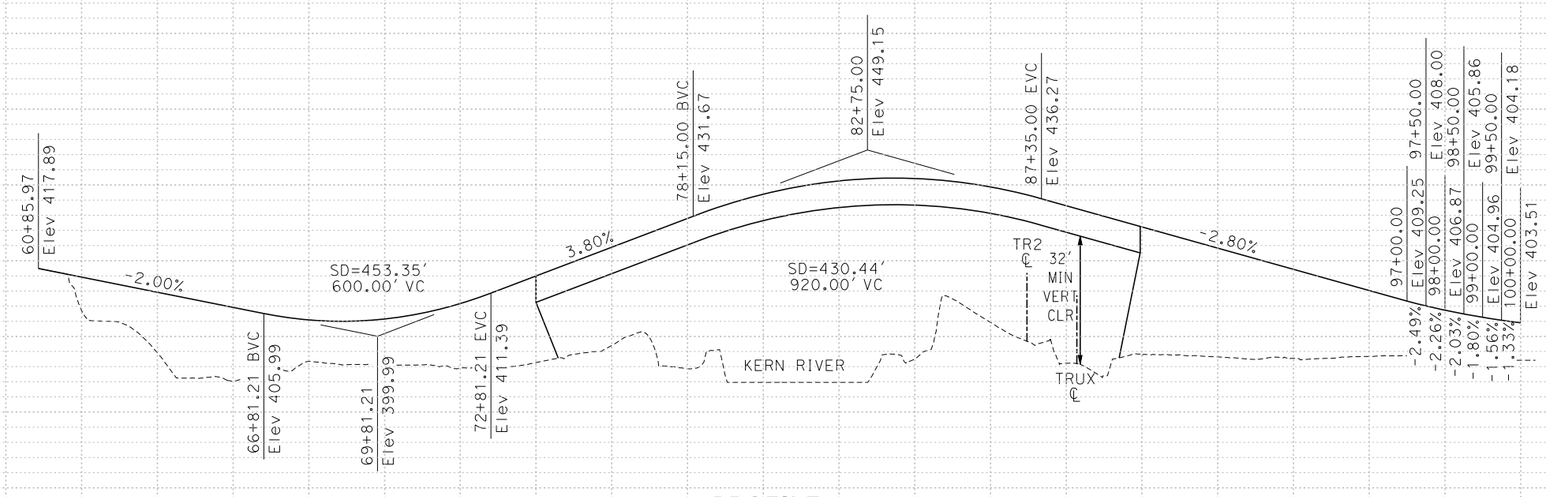


SUPERELEVATION DIAGRAM
MOHAWK ST
WB SR58 OFF RAMP
"MO6"



PROFILE
MOHAWK ST
WB SR58 OFF RAMP
"MO6"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-25

STATION	60+00	70+00	80+00	90+00	100+00	TOTAL
CY Exc						
CY Emb						

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06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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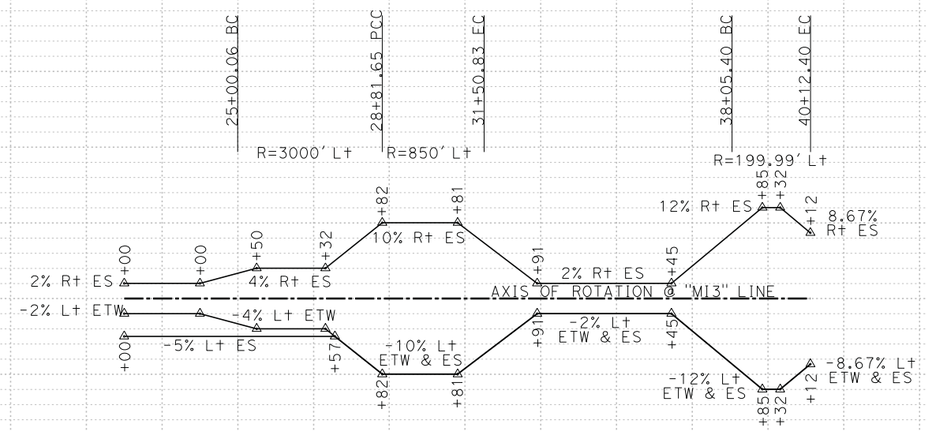
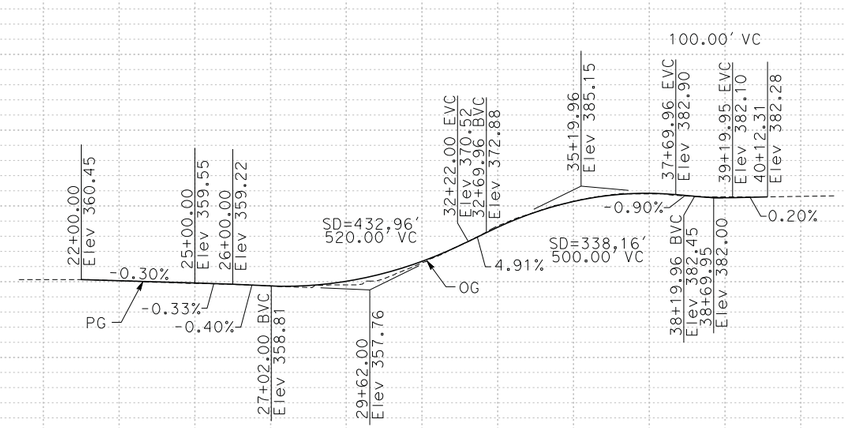


SUPERELEVATION DIAGRAM
MING AVENUE
SB SR99 ON RAMP
"MI3"



PROFILE
MING AVENUE
SB SR99 ON RAMP
"MI3"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-26

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STATION 25+00 35+00 45+00 TOTAL
CY Exc
Emb

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TIME PLOTTED => $TIME

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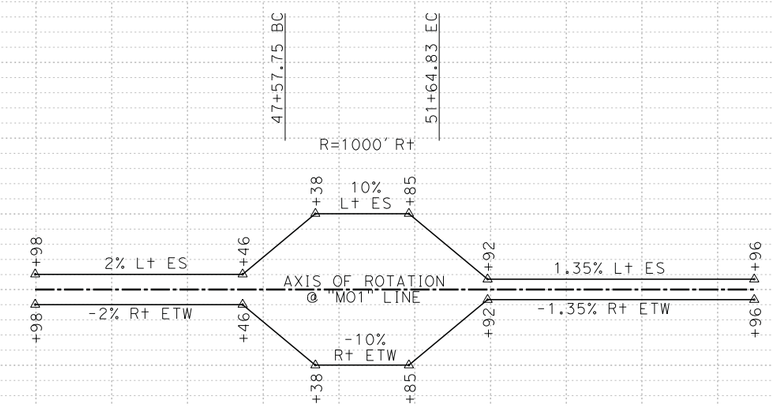
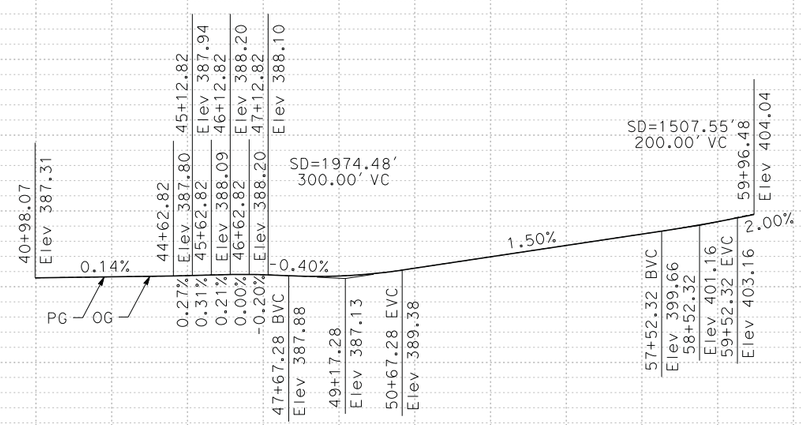


SUPERELEVATION DIAGRAM
EB WSP
MOHAWK OFF RAMP
"MO1"



PROFILE
EB WSP
MOHAWK OFF RAMP
"MO1"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-27

STATION	25+00	35+00	45+00	55+00	TOTAL
CY Exc					
CY Emb					

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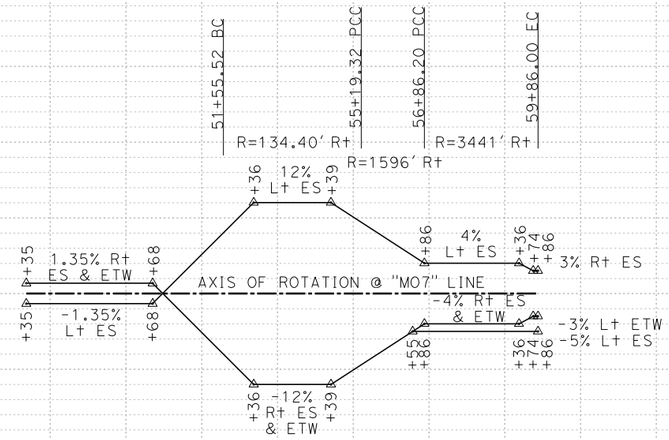
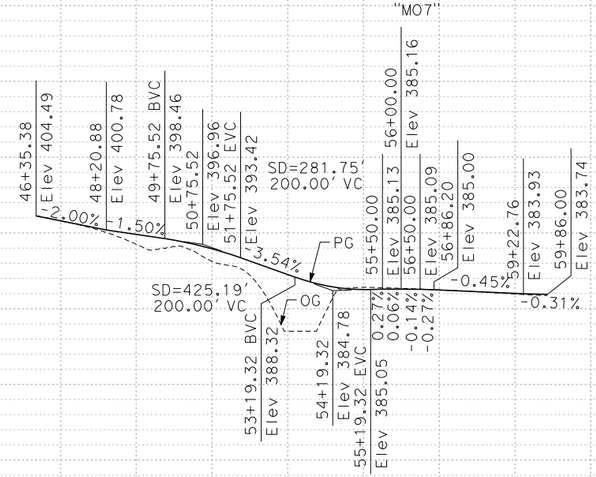


SUPERELEVATION DIAGRAM

EB SR58
MOHAWK LOOP ON RAMP
"MO7"



PROFILE

EB SR58
MOHAWK LOOP ON RAMP
"MO7"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-28

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10% 5% 0% -5% -10%

440 420 400 380 360 340

STATION 455+00 465+00 TOTAL

CY Exc
Emb

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DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010
USERNAME => $USER
DGN FILE => $REQUEST
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE
EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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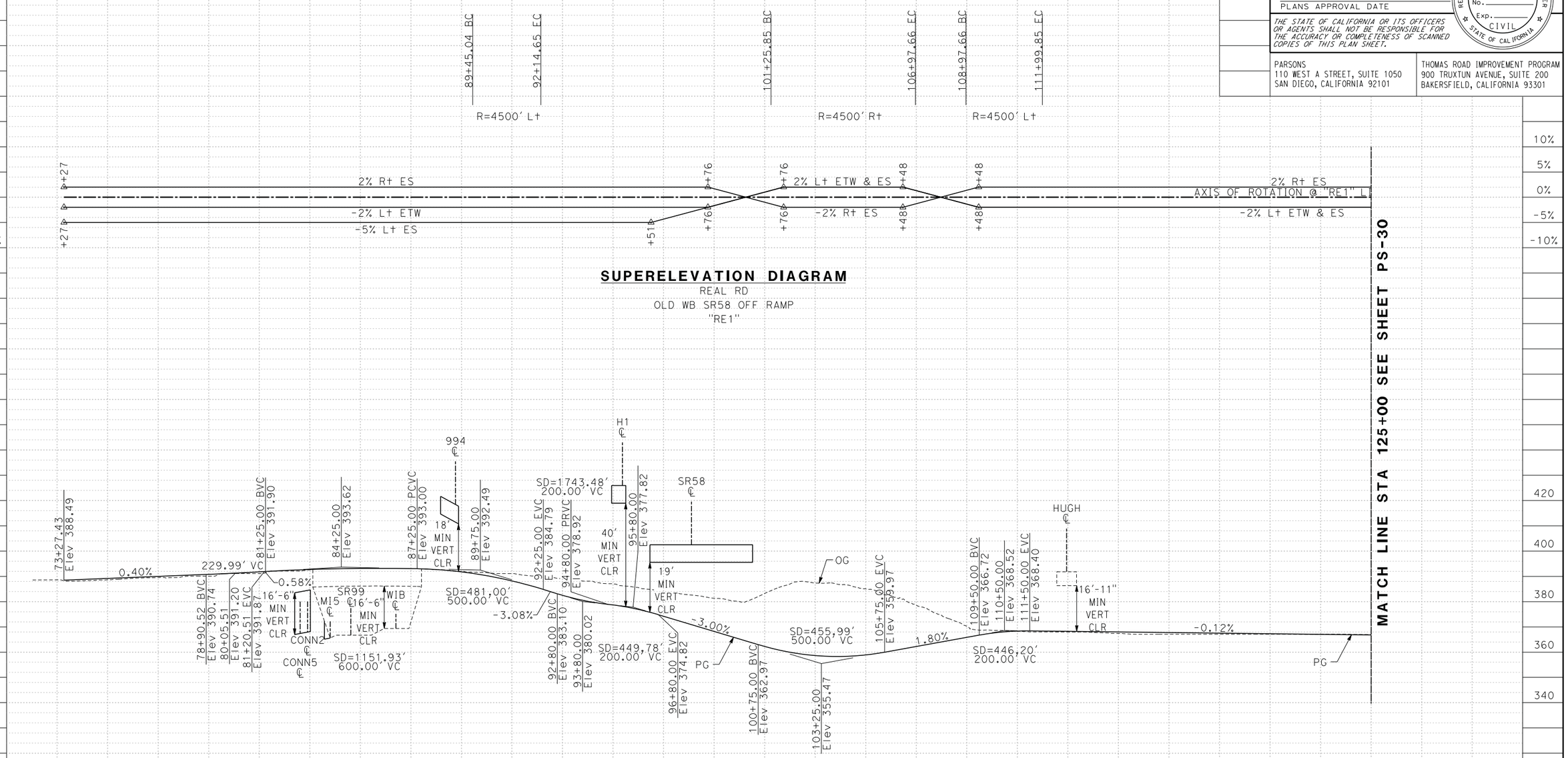

ALTERNATIVE C
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-29

STATION	75+00	85+00	95+00	105+00	115+00	125+00	TOTAL
CY Exc							
CY Emb							

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LAST REVISION 03-27-15

DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010

USERNAME => $USER
DGN FILE => $REQUEST

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE EA 06-48460

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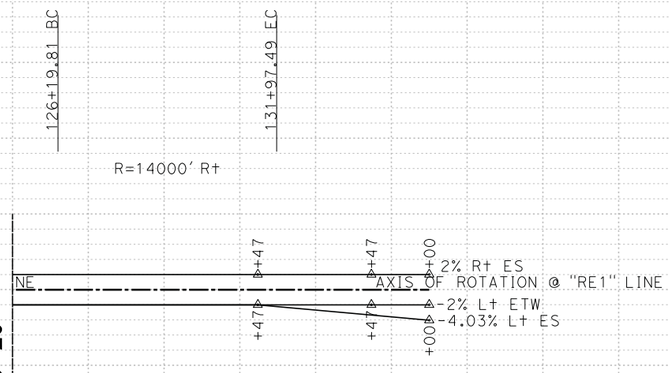
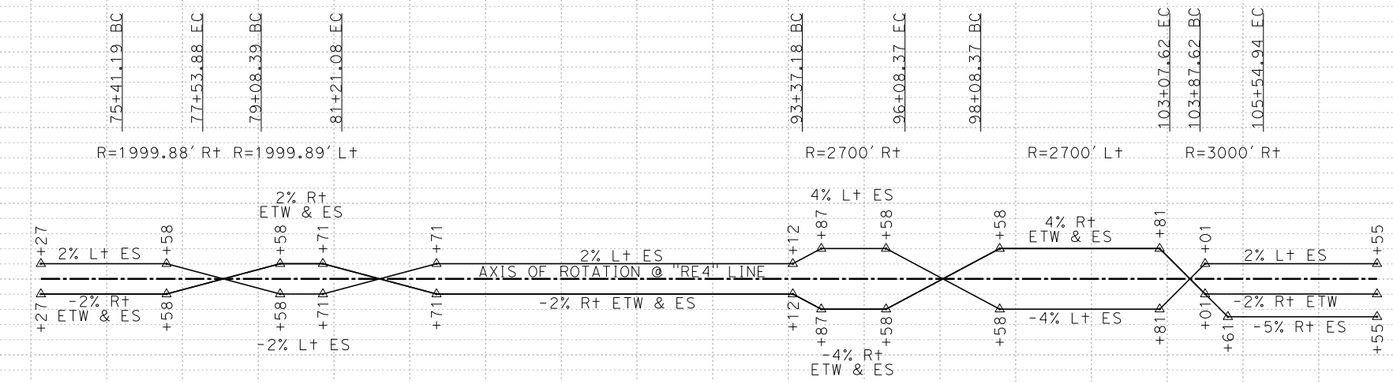
BAKERSFIELD, CALIFORNIA 93301

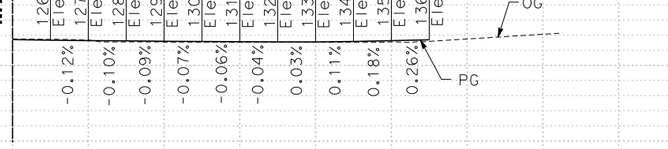


SUPERELEVATION DIAGRAM
REAL RD
OLD WB SR58 OFF RAMP
"RE1"

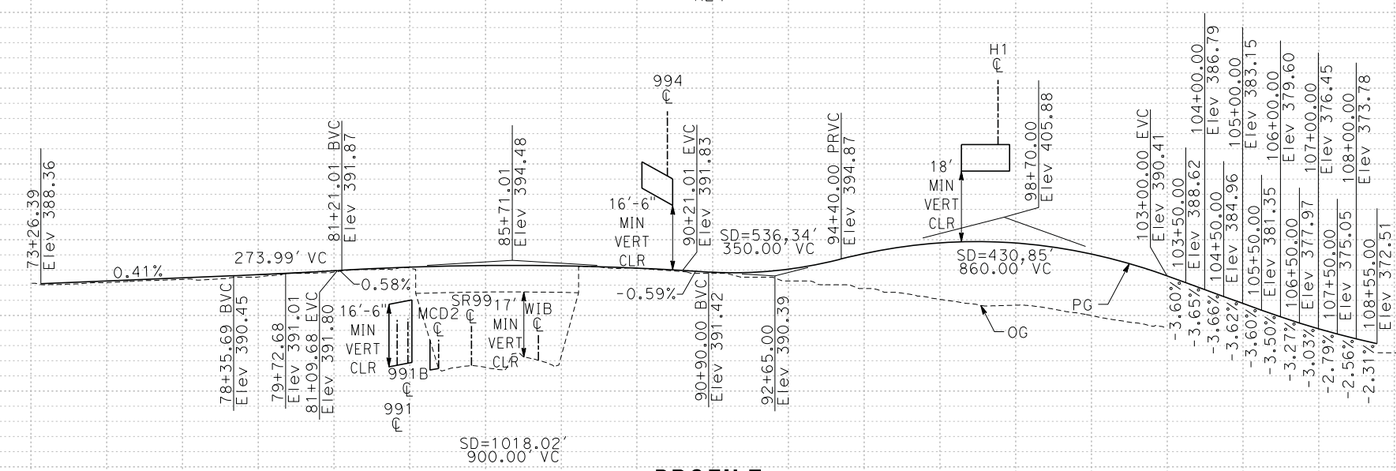


SUPERELEVATION DIAGRAM
REAL RD
OLD EB SR58 ON RAMP
"RE4"

MATCH LINE STA 125+00 SEE SHEET PS-29



PROFILE
REAL RD
OLD WB SR58 OFF RAMP
"RE1"



PROFILE
REAL RD
OLD EB SR58 ON RAMP
"RE4"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-30

STATION	125+00	135+00	75+00	85+00	95+00	105+00	TOTAL
CY Exc							
CY Emb							

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

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THOMAS ROAD IMPROVEMENT PROGRAM
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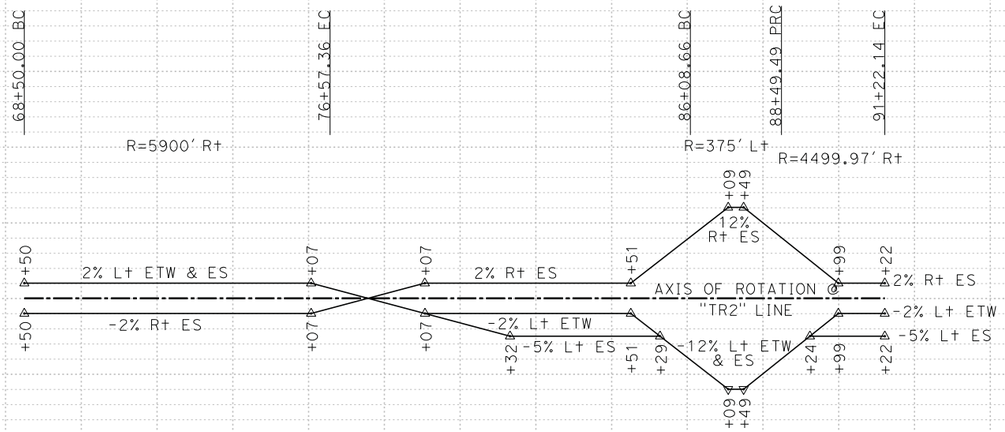
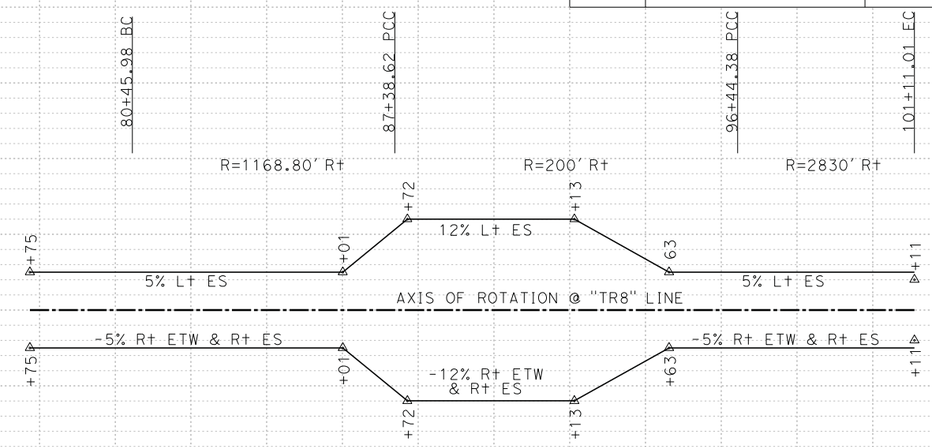
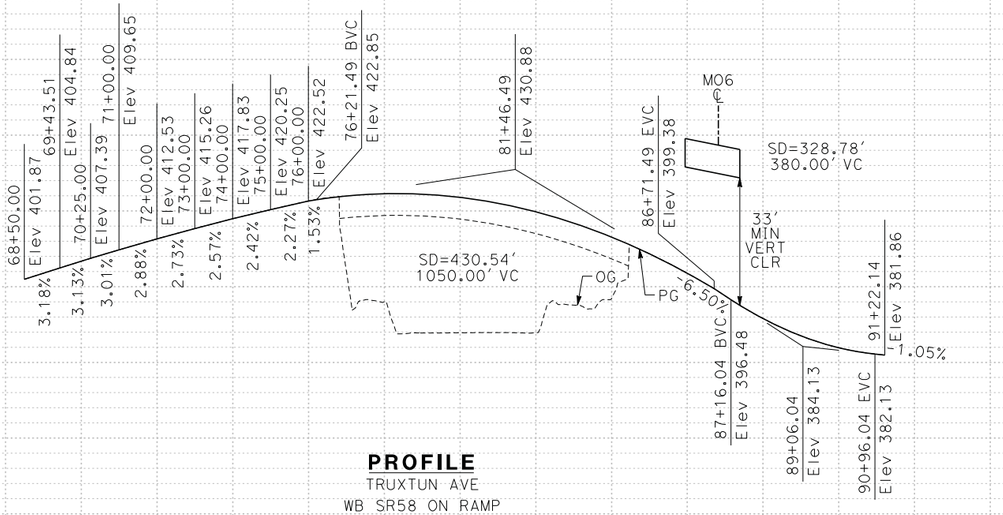
BAKERSFIELD, CALIFORNIA 93301



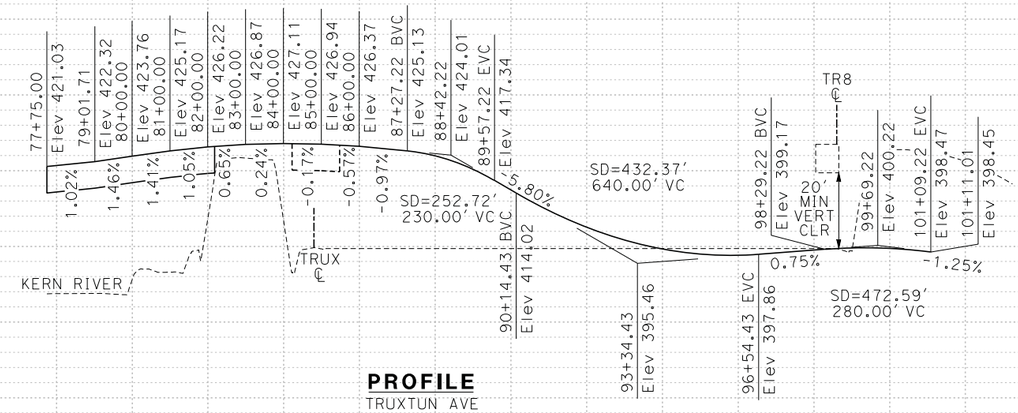
SUPERELEVATION DIAGRAM
TRUXTUN AVE
WB SR58 ON RAMP
"TR2"



SUPERELEVATION DIAGRAM
TRUXTUN AVE
EB SR58 LOOP OFF RAMP
"TR8"



PROFILE
TRUXTUN AVE
WB SR58 ON RAMP
"TR2"



PROFILE
TRUXTUN AVE
EB SR58 LOOP OFF RAMP
"TR8"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-31

STATION	70+00	80+00	90+00	80+00	90+00	100+00	TOTAL
CY Exc							
CY Emb							

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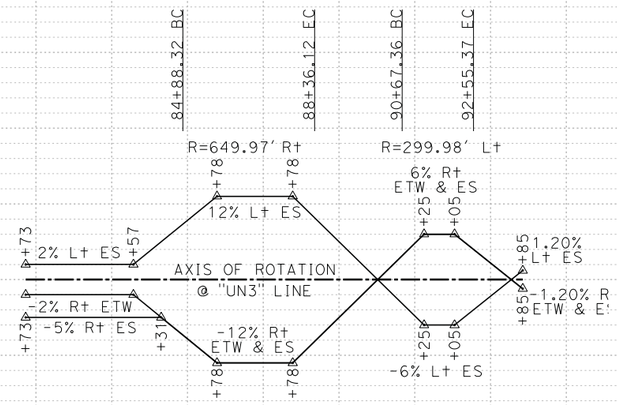
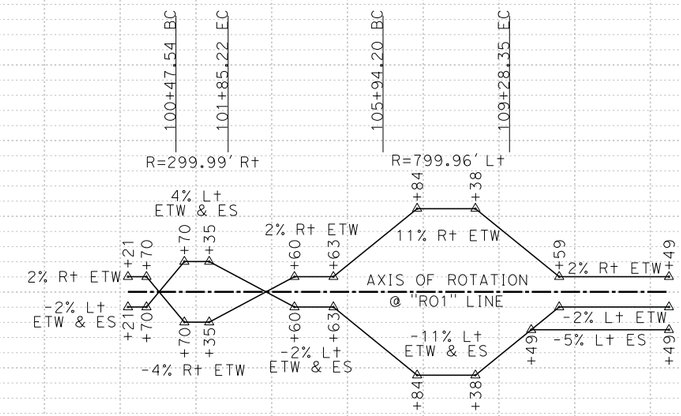
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301

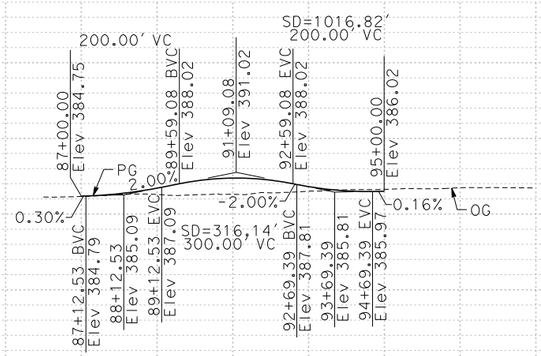
SUPERELEVATION DIAGRAM
WIBLE RD
"WIB"



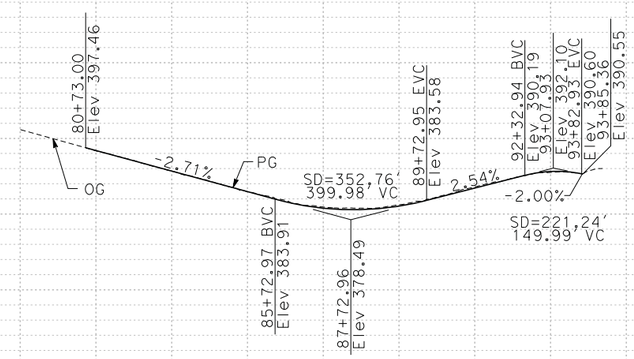
SUPERELEVATION DIAGRAM
EB SR58
UNION AVE OFF RAMP
"UN3"



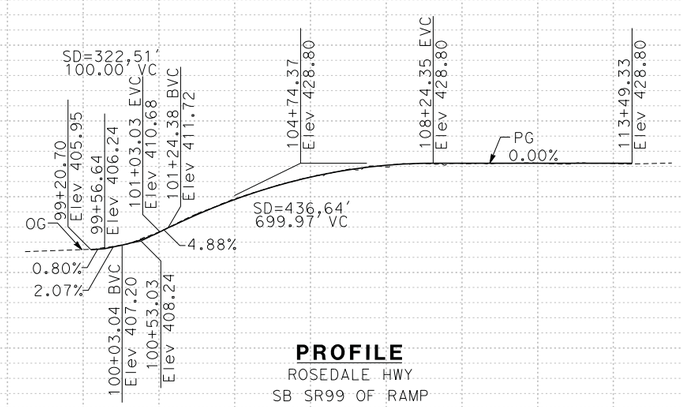
SUPERELEVATION DIAGRAM
ROSEDALE HWY
SB SR99 OF RAMP
"RO1"



PROFILE
WIBLE RD
"WIB"



PROFILE
EB SR58
UNION AVE OFF RAMP
"UN3"



PROFILE
ROSEDALE HWY
SB SR99 OF RAMP
"RO1"

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-32

STATION	85+00	95+00	85+00	95+00	95+00	105+00	TOTAL
CY Exc							
CY Emb							

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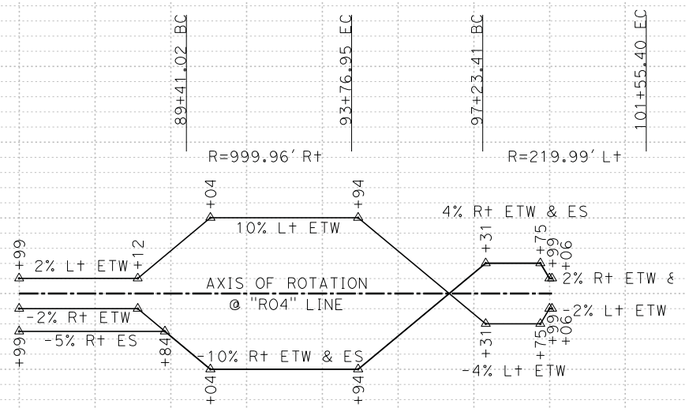
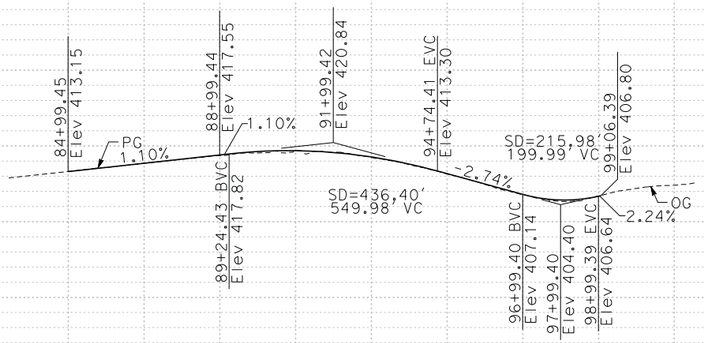
BAKERSFIELD, CALIFORNIA 93301

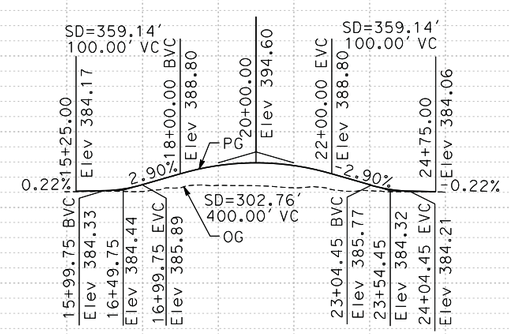


SUPERELEVATION DIAGRAM
ROSEDALE
NB SR99 OFF RAMP
"R04"

SUPERELEVATION DIAGRAM
BELLE TERRACE
"BELL"



PROFILE
ROSEDALE
NB SR99 OFF RAMP
"R04"



PROFILE
BELLE TERRACE
"BELL"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-33

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STATION: 85+00, 95+00, 15+00, 25+00, TOTAL
CY Exc
CY Emb

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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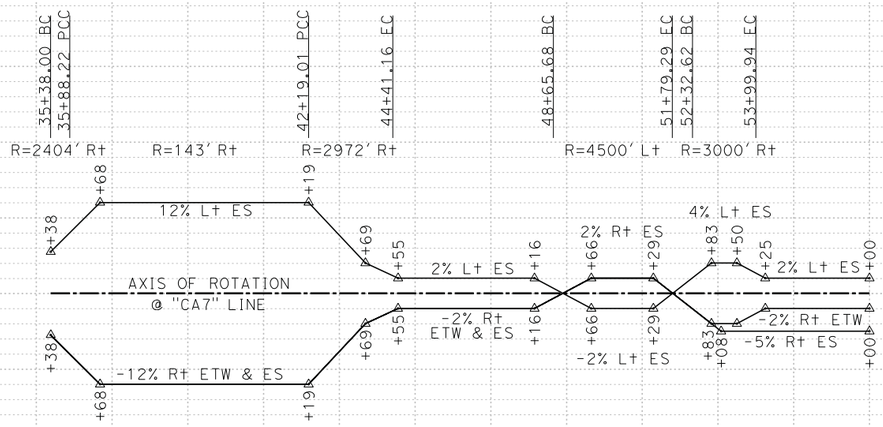
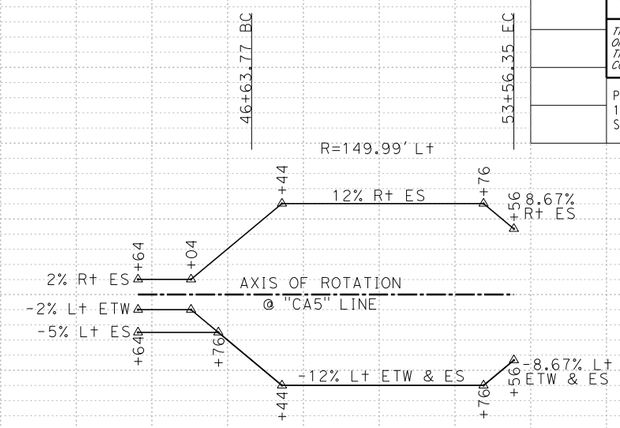
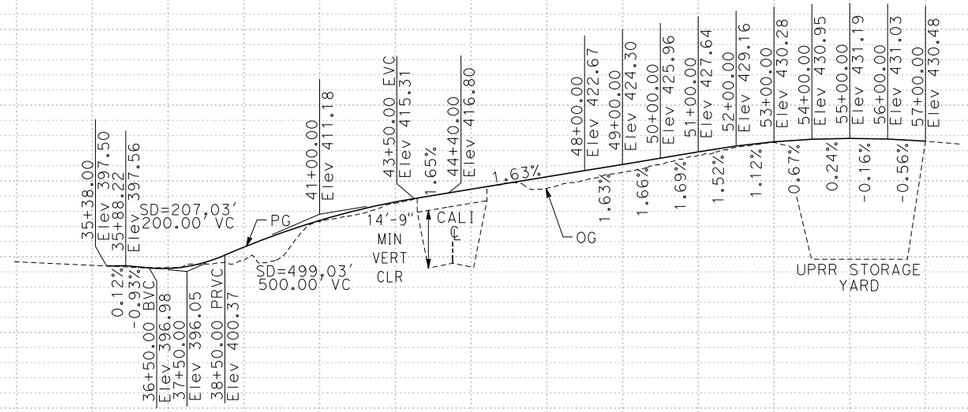
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



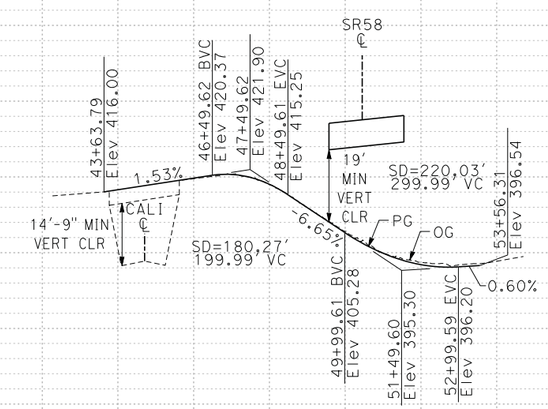
SUPERELEVATION DIAGRAM
CALIFORNIA AVE
NB SR99 LOOP ON RAMP
"CA7"



SUPERELEVATION DIAGRAM
CALIFORNIA AVE
SB SR99 LOOP ON RAMP
"CA5"



PROFILE
CALIFORNIA AVE
NB SR99 LOOP ON RAMP
"CA7"



PROFILE
CALIFORNIA AVE
SB SR99 LOOP ON RAMP
"CA5"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-34

STATION	35+00	40+00	45+00	50+00	55+00	40+00	45+00	50+00	55+00	TOTAL
CY Exc										
CY Emb										

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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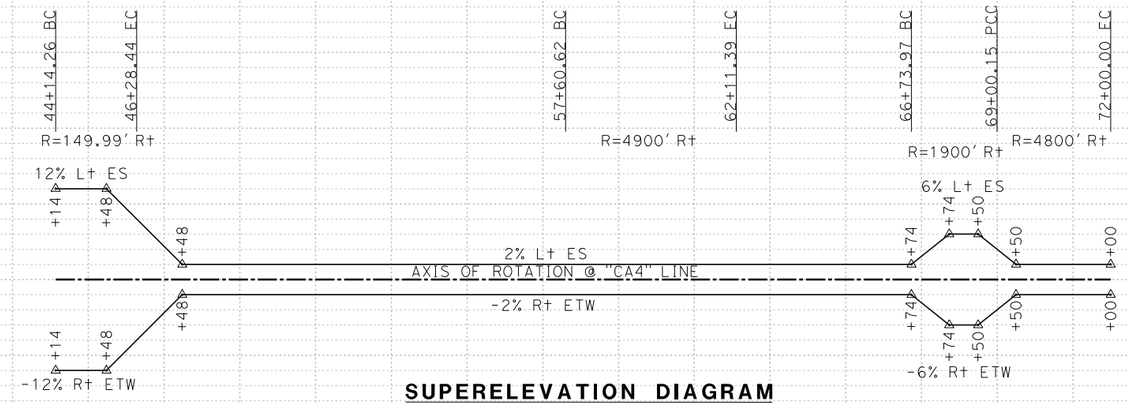
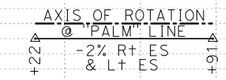
BAKERSFIELD, CALIFORNIA 93301



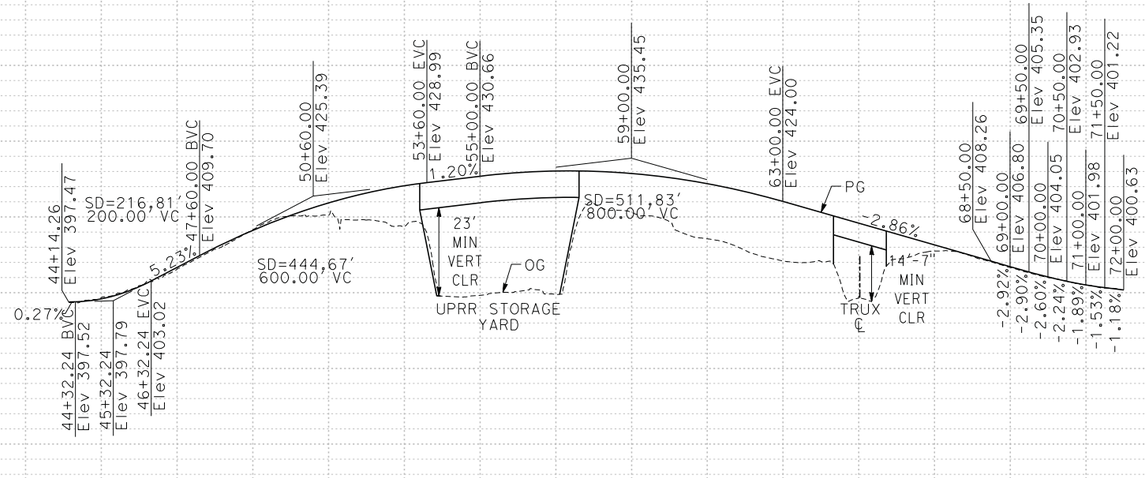
SUPERELEVATION DIAGRAM

CALIFORNIA AVE
NB SR99 ON RAMP
"CA4"



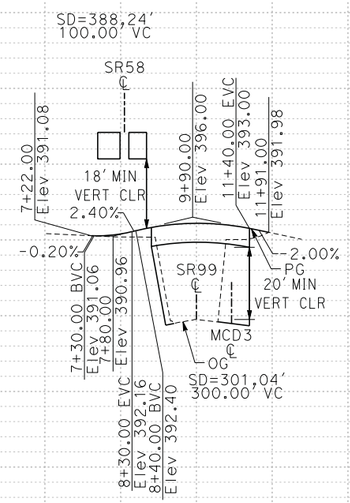
SUPERELEVATION DIAGRAM

PALM STREET
"PALM"



PROFILE

CALIFORNIA AVE
NB SR99 ON RAMP
"CA4"



PROFILE

PALM STREET
"PALM"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-35

STATION	45+00	55+00	65+00	75+00	10+00	20+00	TOTAL
CY Exc							
CY Emb							

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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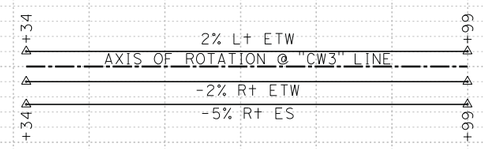
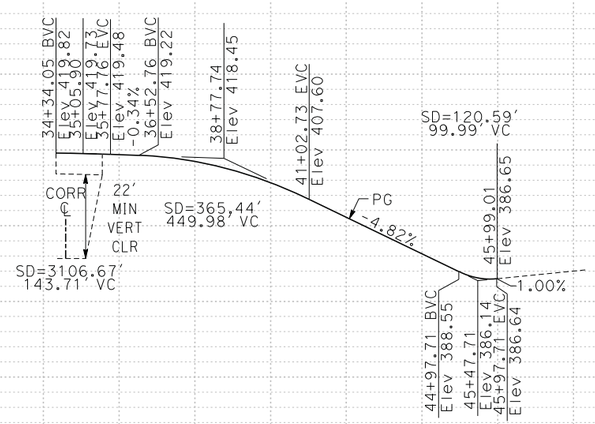
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
COTTONWOOD RD
EB SR58 OFF RAMP
"CW3"



PROFILE
COTTONWOOD RD
EB SR58 OFF RAMP
"CW3"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-36

STATION		30+00	40+00	50+00	TOTAL
CY	Exc				
	Emb				

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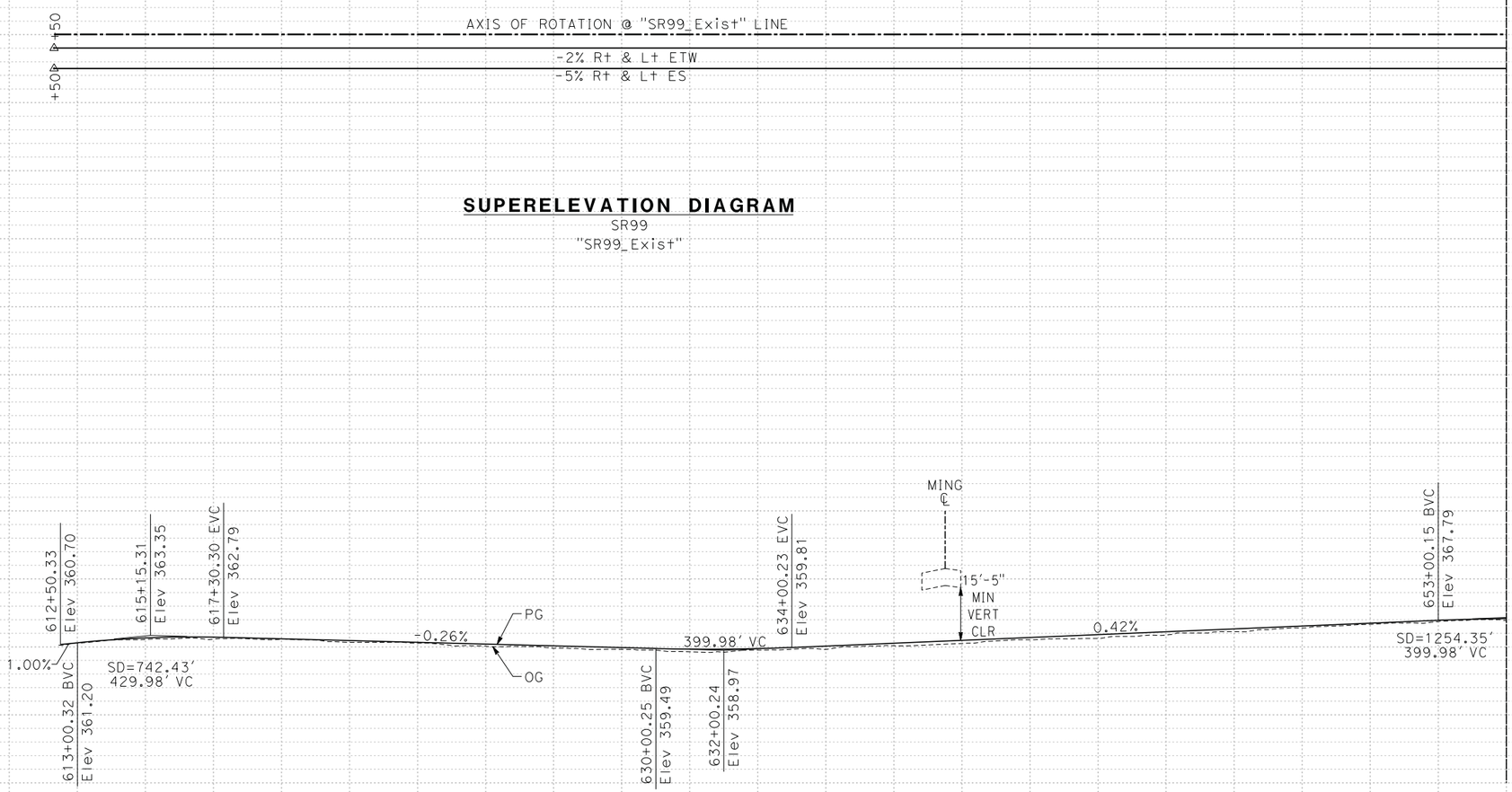
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE C
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-37

STATION	615+00	625+00	635+00	645+00	655+00	TOTAL
CY Exc						
CY Emb						

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LAST REVISION 03-27-15
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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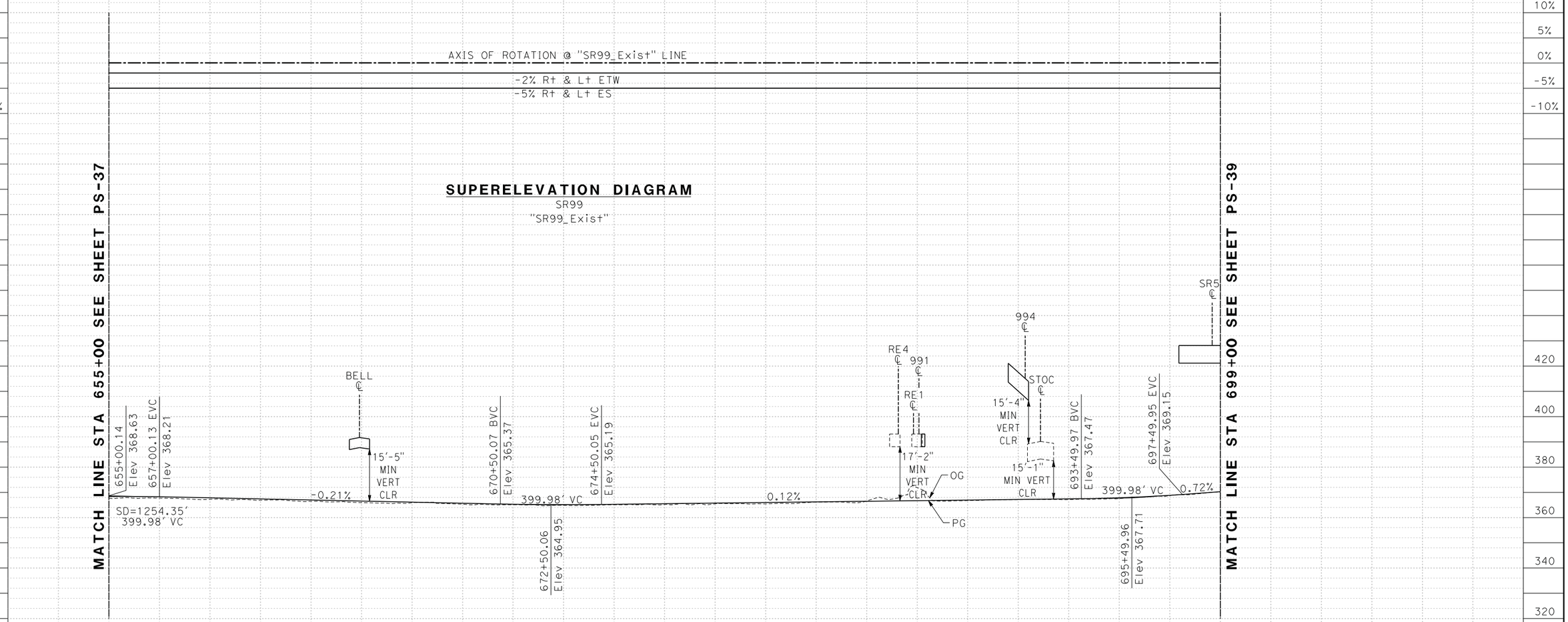

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE C
PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-38

STATION		655+00	665+00	675+00	685+00	695+00	TOTAL
CY	Exc						
	Emb						

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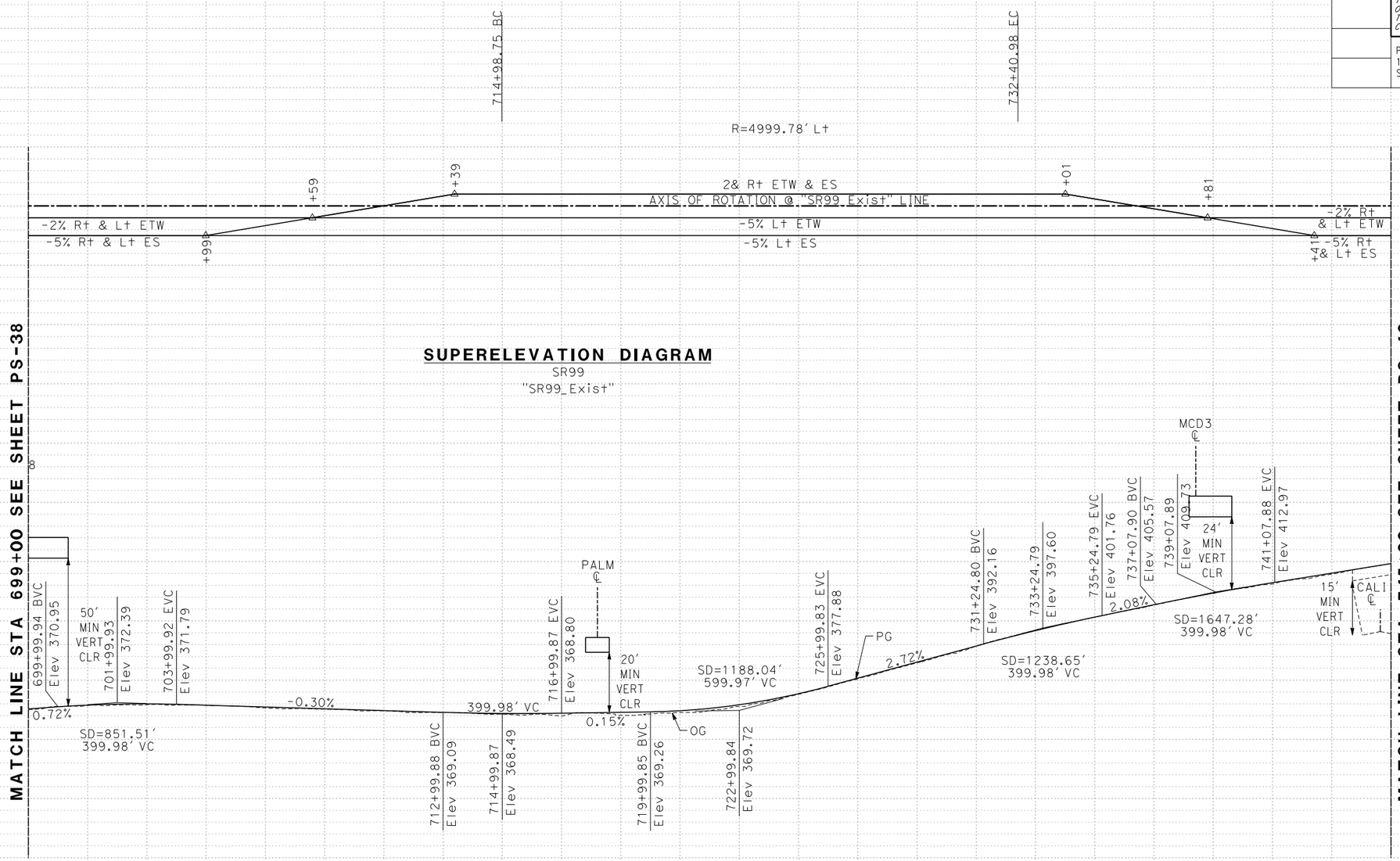
110 WEST A STREET, SUITE 1050
SAN DIEGO, CALIFORNIA 92101

THOMAS ROAD IMPROVEMENT PROGRAM
900 TRUXTUN AVENUE, SUITE 200
BAKERSFIELD, CALIFORNIA 93301



SUPERELEVATION DIAGRAM
SR99
"SR99_Exist"

PROFILE
SR99
"SR99_Exist"

ALTERNATIVE C PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-39

STATION	705+00	715+00	725+00	735+00	745+00	TOTAL
CY Exc						
CY Emb						

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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SAN DIEGO, CALIFORNIA 92101

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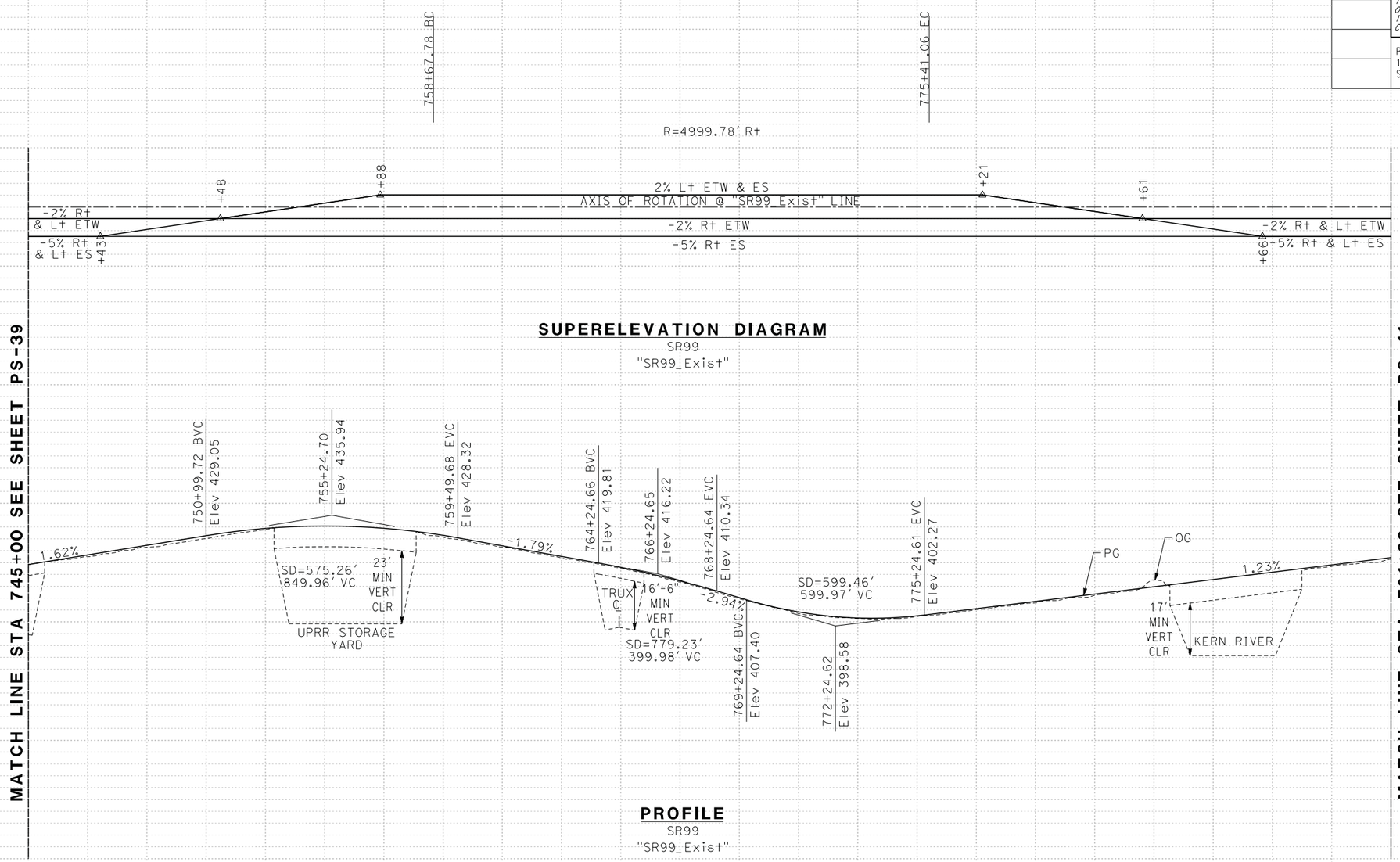
BAKERSFIELD, CALIFORNIA 93301



ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-40

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BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE EA 06-48460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58 99	T31.7/R55.6 21.2/26.2		

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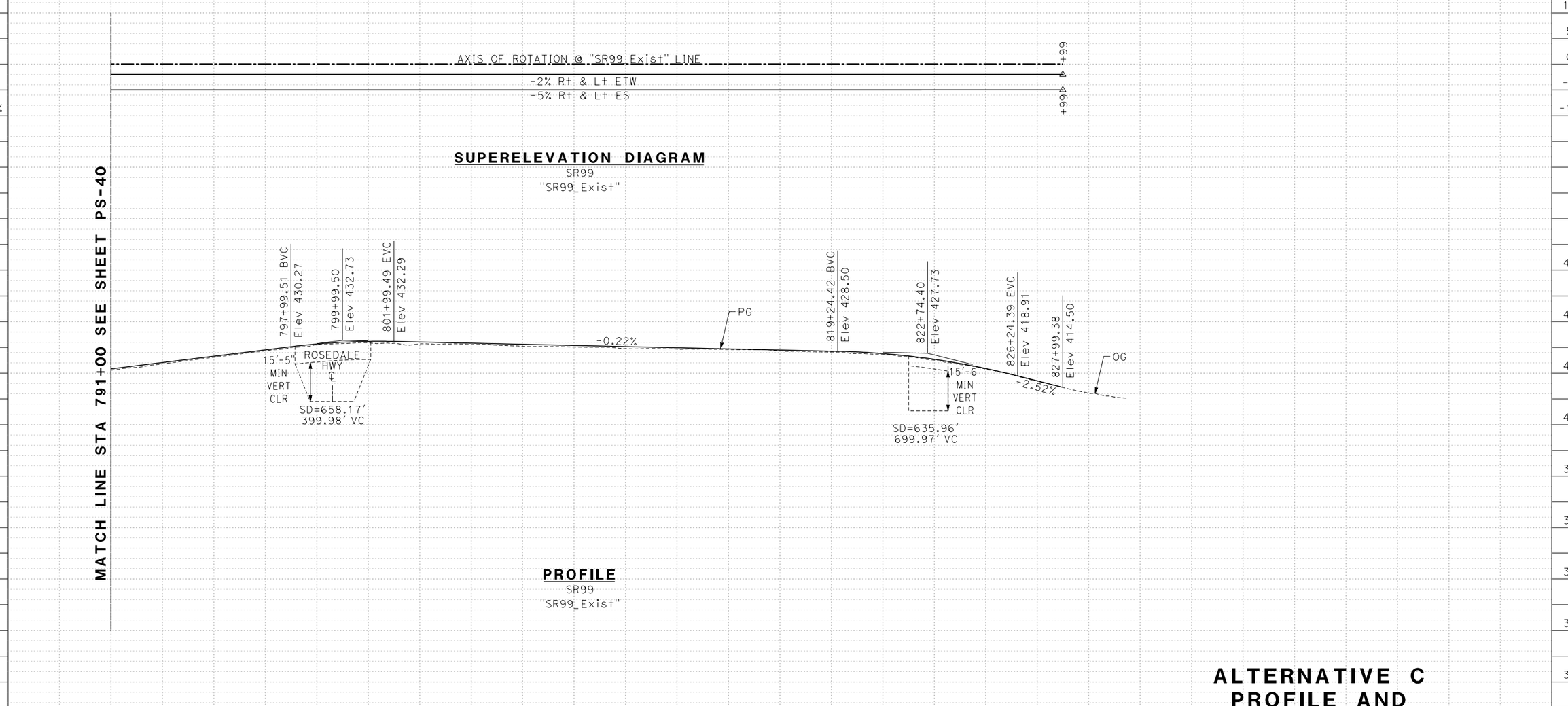

ALTERNATIVE C
PROFILE AND
SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 400'
Vert 1" = 40'

PS-41

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