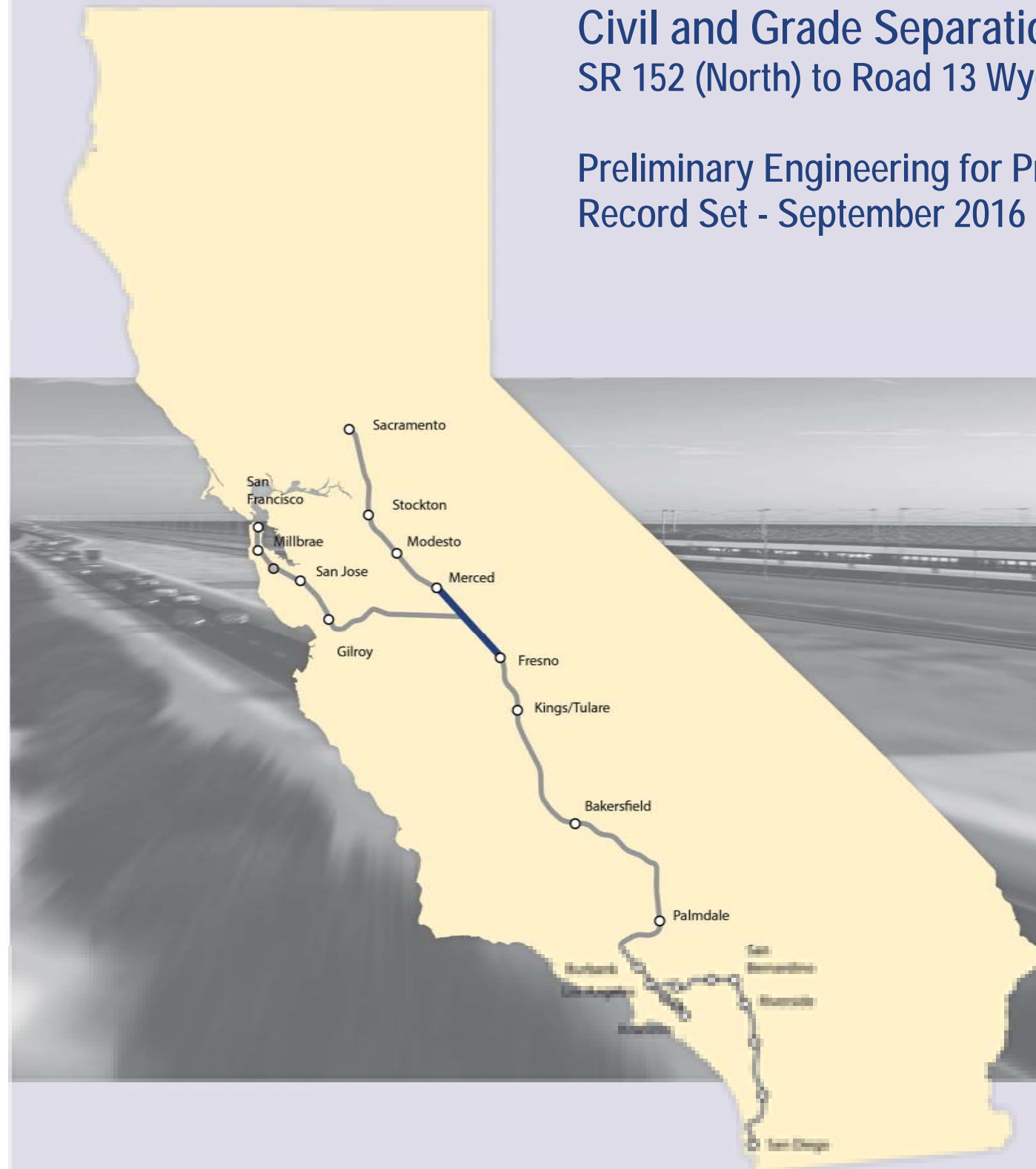


California High-Speed Rail Authority

# *Merced to Fresno Section: Central Valley Wye*

Civil and Grade Separation Plans (Book 1 of 4)  
SR 152 (North) to Road 13 Wye Alternative

Preliminary Engineering for Project Definition  
Record Set - September 2016



p0021811 06-SEP-2016 3:57 MF-CV-B0002.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
GENERAL				
CV-B0001	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	COVER	
CV-B0002	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 1 OF 17
CV-B0003	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 2 OF 17
CV-B0004	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 3 OF 17
CV-B0005	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 4 OF 17
CV-B0006	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 5 OF 17
CV-B0007	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 6 OF 17
CV-B0008	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 7 OF 17
CV-B0009	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 8 OF 17
CV-B0010	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 9 OF 17
CV-B0011	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 10 OF 17
CV-B0012	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 11 OF 17
CV-B0013	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 12 OF 17
CV-B0014	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 13 OF 17
CV-B0015	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 14 OF 17
CV-B0016	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 15 OF 17
CV-B0017	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 16 OF 17
CV-B0018	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 17 OF 17
CV-B0020	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	ABBREVIATIONS	SHEET 1 OF 2
CV-B0021	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	ABBREVIATIONS	SHEET 2 OF 2
CV-B4000	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	LOCATION PLAN	
CV-B0030	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	GENERAL NOTES	
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE				
CV-B4050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
CV-B4051-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 6
CV-B0061-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 6
CV-B0062-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 3 OF 6
CV-B0063-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 4 OF 6
CV-B0064-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 5 OF 6
CV-B0065-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 6 OF 6
CV-B0070-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 3
CV-B0081-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 3

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 1 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0002
SCALE NO SCALE
SHEET NO.



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INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-B0082-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 3
CV-S1010-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5338+00 TO 5394+00
CV-S1020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5394+00 TO 5450+00
CV-S1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5450+00 TO 5506+00
CV-S1040-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5506+00 TO 5562+00
CV-S1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5562+00 TO 5618+00
CV-S1060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5618+00 TO 5674+00
CV-S1070-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5674+00 TO 5730+00
CV-S1080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5730+00 TO 5786+00
CV-S1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5786+00 TO 5842+00
CV-S1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5842+00 TO 5898+00
CV-S1110-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5898+00 TO 5954+00
CV-S1120-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5954+00 TO 6010+00
CV-S1130-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6010+00 TO 6066+00
CV-S1140-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6066+00 TO 6122+00
CV-S1150-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6122+00 TO 6178+00
CV-S1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6178+00 TO 6234+00
CV-S1161-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6234+00 TO 6290+00
CV-S1180-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6290+00 TO 6346+00
CV-S1190-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6346+00 TO 6402+00
CV-S1200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6402+00 TO 6458+00
CV-S1210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6458+00 TO 6514+00
CV-S1220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6514+00 TO 6570+00
CV-S1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6570+00 TO 6626+00
CV-S1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6626+00 TO 6682+00
CV-S1241-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6682+00 TO 6738+00
CV-S1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6738+00 TO 6794+00
CV-S1270-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6794+00 TO 6850+00
CV-S1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6850+00 TO 6906+00
CV-S1290-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6906+00 TO 6962+00
CV-S1291-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1300-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6962+00 TO 7018+00
CV-S1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7018+00 TO 7074+00
CV-S1320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7074+00 TO 7130+00
CV-S1330-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7130+00 TO 7170+92.61
CV-S1410-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14946+67.02 TO 14996+00
CV-S1420-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14996+00 TO 15052+00
CV-S1430-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15052+00 TO 15108+00
CV-S1440-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15108+00 TO 15164+00

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 09/09/2016

RECORD SET  
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NOT FOR  
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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 2 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0003
SCALE NO SCALE
SHEET NO.

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CV-S1450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15164+00 TO 15220+00
CV-S1460-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15220+00 TO 15276+00
CV-S1470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15276+00 TO 15332+00
CV-S1480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15332+00 TO 15388+00
CV-S1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15388+00 TO 15444+00
CV-S1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15444+00 TO 15500+00
CV-S1510-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15500+00 TO 15556+00
CV-S1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15556+00 TO 15612+00
CV-S1530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15612+00 TO 15655+00
CV-S1610-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36246+00 TO 36302+00
CV-S1620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36302+00 TO 36358+00
CV-S1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36358+00 TO 36414+00
CV-S1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER ACCESS ROAD
CV-S1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36414+00 TO 36470+00
CV-S1650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36470+00 TO 36526+00
CV-S1660-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36526+00 TO 36542+78.70
CV-R1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1031-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1032-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1033-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1051-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1091-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1101-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1102-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1103-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1104-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1105-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1106-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1107-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1108-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1109-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1110-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB LOOP ON RAMP
CV-R1111-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1112-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1161-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1162-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1163-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
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RECORD SET  
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CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 3 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0004
SCALE NO SCALE
SHEET NO.

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INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1164-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1165-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB OFF RAMP
CV-R1166-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB ON RAMP
CV-R1167-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 LOOP RAMP
CV-R1168-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB ON RAMP
CV-R1169-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB OFF RAMP
CV-R1190-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 GRADE SEPARATION
CV-R1191-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 GRADE SEPARATION
CV-R1192-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1193-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1194-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1201-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1202-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1203-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB OFF RAMP
CV-R1204-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB LOOP RAMP
CV-R1205-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB ON RAMP
CV-R1210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION
CV-R1211-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION
CV-R1212-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1213-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1214-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB OFF RAMP
CV-R1215-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CATES COURT REALIGNMENT
CV-R1224-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1225-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1226-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1227-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1228-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1229-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB ON RAMP
CV-R1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1231-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1232-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB ON RAMP
CV-R1233-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB LOOP RAMP
CV-R1234-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB OFF RAMP
CV-R1235-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 CONNECTOR REALIGNMENT
CV-R1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1241-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1242-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	FAIRMEAD BOULEVARD REALIGNMENT
CV-R1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION
CV-R1261-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
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DRAWING NO. CV-B0005
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SHEET NO.

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1281-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1290-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 22 REALIGNMENT
CV-R1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1311-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1312-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1313-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1314-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1321-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 25 GRADE SEPARATION
CV-R1470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1471-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1481-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1482-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1491-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1492-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 23 1/2 GRADE SEPARATION
CV-R1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 23 1/2 GRADE SEPARATION
CV-R1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 13 REALIGNMENT
CV-R1641-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 13 REALIGNMENT
CV-I0001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	GENERAL NOTES
CV-I4100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 1 OF 4
CV-I4101-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 2 OF 4
CV-I4102-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 3 OF 4
CV-I4103-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 4 OF 4
CV-I4160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 1 OF 4
CV-I4161-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 2 OF 4
CV-I4162-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 3 OF 4
CV-I4163-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 4 OF 4
CV-I4210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 1 OF 5
CV-I4211-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 2 OF 5
CV-I4212-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 3 OF 5
CV-I4213-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 4 OF 5
CV-I4214-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 5 OF 5
CV-I4230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 1 OF 4
CV-I4231-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 2 OF 4
CV-I4232-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 3 OF 4
CV-I4233-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 4 OF 4

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DRAWN BY W. JOHNSEN
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IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
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SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE				
CV-B4050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
CV-B4051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 6
CV-B0061-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 6
CV-B0062-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 3 OF 6
CV-B0063-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 4 OF 6
CV-B0064-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 5 OF 6
CV-B0065-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 6 OF 6
CV-B0070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 5
CV-B0081-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 5
CV-B0082-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 5
CV-B0083-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 5
CV-B0084-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 5
CV-S1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5338+00 TO 5394+00
CV-S1020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5394+00 TO 5450+00
CV-S1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5450+00 TO 5506+00
CV-S1040-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5506+00 TO 5562+00
CV-S1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5562+00 TO 5618+00
CV-S1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5618+00 TO 5674+00
CV-S1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5674+00 TO 5730+00
CV-S1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5730+00 TO 5786+00
CV-S1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5786+00 TO 5842+00
CV-S1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5842+00 TO 5898+00
CV-S1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5898+00 TO 5954+00
CV-S1111-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5954+00 TO 6010+00
CV-S1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6010+00 TO 6066+00
CV-S1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6066+00 TO 6122+00
CV-S1150-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6122+00 TO 6178+00
CV-S1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6178+00 TO 6234+00
CV-S1161-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6234+00 TO 6290+00
CV-S1180-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6290+00 TO 6346+00
CV-S1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6346+00 TO 6402+00

REV	DATE	BY	CHK	APP	DESCRIPTION

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RECORD SET  
15% DESIGN  
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NOT FOR  
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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
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CV-S1191-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6402+00 TO 6458+00
CV-S1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6458+00 TO 6514+00
CV-S1220-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6514+00 TO 6570+00
CV-S1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6570+00 TO 6626+00
CV-S1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6626+00 TO 6682+00
CV-S1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6682+00 TO 6738+00
CV-S1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6738+00 TO 6794+00
CV-S1270-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6794+00 TO 6850+00
CV-S1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6850+00 TO 6906+00
CV-S1290-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6906+00 TO 6962+00
CV-S1300-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6962+00 TO 7018+00
CV-S1301-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7018+00 TO 7074+00
CV-S1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7074+00 TO 7130+00
CV-S1330-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7130+00 TO 7169+59.17
CV-S1410-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14715+51.00 TO 14771+00
CV-S1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14771+00 TO 14827+00
CV-S1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14827+00 TO 14883+00
CV-S1440-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14883+00 TO 14939+00
CV-S1450-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14939+00 TO 14995+00
CV-S1460-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14995+00 TO 15051+00
CV-S1470-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15051+00 TO 15107+00
CV-S1471-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1480-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15107+00 TO 15163+00
CV-S1490-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15163+00 TO 15219+00
CV-S1500-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15219+00 TO 15275+00
CV-S1510-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15275+00 TO 15331+00
CV-S1520-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15331+00 TO 15387+00
CV-S1530-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15387+00 TO 15443+00
CV-S1540-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15443+00 TO 15499+00
CV-S1550-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15499+00 TO 15555+00
CV-S1560-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15555+00 TO 15611+00
CV-S1570-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15611+00 TO 15655+00
CV-S1610-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36570+00 TO 36626+00
CV-S1620-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36626+00 TO 36682+00
CV-S1630-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36682+00 TO 36738+00
CV-S1640-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36738+00 TO 36794+00
CV-S1650-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36794+00 TO 36850+00
CV-S1660-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36850+00 TO 36857+29

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1031-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1032-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1033-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1091-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1101-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1102-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1103-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1104-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1105-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1106-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1107-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1108-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1109-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB LOOP ON RAMP
CV-R1111-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1112-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1161-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1162-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1163-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1164-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1165-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB OFF RAMP
CV-R1166-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB ON RAMP
CV-R1167-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 LOOP RAMP
CV-R1168-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB ON RAMP
CV-R1169-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB OFF RAMP
CV-R1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12/ELM ROAD GRADE SEPARATION
CV-R1191-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12/ELM ROAD GRADE SEPARATION
CV-R1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1201-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1202-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1203-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB OFF RAMP
CV-R1204-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB LOOP RAMP
CV-R1205-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB ON RAMP
CV-R1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION
CV-R1211-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION

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CENTRAL VALLEY WYE  
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CV-R1212-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1213-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1214-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB OFF RAMP
CV-R1215-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	CATES COURT REALIGNMENT
CV-R1224-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1225-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1226-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1227-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1228-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1229-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB ON RAMP
CV-R1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/BERENDA WAY GRADE SEPARATION
CV-R1231-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/BERENDA WAY GRADE SEPARATION
CV-R1232-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB ON RAMP
CV-R1233-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB LOOP RAMP
CV-R1234-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB OFF RAMP
CV-R1235-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 CONNECTOR REALIGNMENT
CV-R1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1241-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1243-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 AT ROAD 17 1/2
CV-R1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	FAIRMEAD BOULEVARD REALIGNMENT
CV-R1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION
CV-R1261-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION
CV-R1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1281-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1311-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1312-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1313-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1314-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1321-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 19 1/2 AND FAIRLANE COURT REALIGNMENTS
CV-R1460-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 19 REALIGNMENT
CV-R1461-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 19 REALIGNMENT
CV-R1510-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	MINTURN ROAD/ROAD 15 GRADE SEPARATION
CV-R1511-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	MINTURN ROAD/ROAD 15 GRADE SEPARATION
CV-R1512-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	MINTURN ROAD/ROAD 15 GRADE SEPARATION
CV-R1513-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	PLAN AND PROFILE	FRONTAGE ROAD AT MINTURN ROAD
CV-I0001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	GENERAL NOTES
CV-I4100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 1 OF 4
CV-I4101-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 2 OF 4

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
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CV-I4103-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 4 OF 4
CV-I4160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 1 OF 4
CV-I4161-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 2 OF 4
CV-I4162-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 3 OF 4
CV-I4163-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 4 OF 4
CV-I4210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 1 OF 5
CV-I4211-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 2 OF 5
CV-I4212-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 3 OF 5
CV-I4213-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 4 OF 5
CV-I4214-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 5 OF 5
CV-I4230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 1 OF 4
CV-I4231-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 2 OF 4
CV-I4232-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 3 OF 4
CV-I4233-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 4 OF 4
CV-I4520-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 1 OF 4
CV-I4521-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 2 OF 4
CV-I4522-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 3 OF 4
CV-I4523-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 4 OF 4
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CV-B4050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
CV-B4051-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 2
CV-B0061-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 2
CV-B0070-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 2
CV-B0081-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 2
CV-S1010-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5338+00 TO 5394+00
CV-S1020-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5394+00 TO 5450+00
CV-S1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5450+00 TO 5506+00
CV-S1031-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1040-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5506+00 TO 5562+00
CV-S1050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5562+00 TO 5618+00
CV-S1060-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5618+00 TO 5674+00
CV-S1070-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5674+00 TO 5730+00
CV-S1080-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5730+00 TO 5786+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
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RECORD SET  
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SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

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CV-S1100-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5842+00 TO 5898+00
CV-S1110-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5898+00 TO 5954+00
CV-S1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5954+00 TO 6010+00
CV-S1121-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1130-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6010+00 TO 6066+00
CV-S1140-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6066+00 TO 6122+00
CV-S1150-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6122+00 TO 6178+00
CV-S1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6178+00 TO 6234+00
CV-S1161-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1170-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6234+00 TO 6290+00
CV-S1180-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6290+00 TO 6346+00
CV-S1190-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6346+00 TO 6402+00
CV-S1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6402+00 TO 6458+00
CV-S1210-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6458+00 TO 6514+00
CV-S1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6514+00 TO 6570+00
CV-S1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6570+00 TO 6626+00
CV-S1231-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1240-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6626+00 TO 6682+00
CV-S1250-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6682+00 TO 6738+00
CV-S1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6738+00 TO 6794+00
CV-S1261-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1270-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6794+00 TO 6850+00
CV-S1280-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6850+00 TO 6906+00
CV-S1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6906+00 TO 6962+00
CV-S1291-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6962+00 TO 7018+00
CV-S1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7018+00 TO 7074+00
CV-S1320-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7074+00 TO 7130+00
CV-S1330-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7130+00 TO 7147+86.07
CV-S1410-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14840+00 TO 14896+00
CV-S1420-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14896+00 TO 14952+00
CV-S1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 14952+00 TO 15008+00
CV-S1440-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15008+00 TO 15064+00
CV-S1450-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15064+00 TO 15120+00
CV-S1460-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15120+00 TO 15176+00
CV-S1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15176+00 TO 15232+00
CV-S1480-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15232+00 TO 15288+00
CV-S1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15288+00 TO 15344+00
CV-S1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15344+00 TO 15400+00
CV-S1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15400+00 TO 15456+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 11 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0012
SCALE NO SCALE
SHEET NO.



p0021811 MF-CV-B0013.dgn 06-SEP-2016 3:59

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-S1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15456+00 TO 15512+00
CV-S1530-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15512+00 TO 15568+00
CV-S1540-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15568+00 TO 15624+00
CV-S1550-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15624+00 TO 15655+00
CV-S1610-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36268+00 TO 36324+00
CV-S1620-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36324+00 TO 36380+00
CV-S1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36380+00 TO 36436+00
CV-S1640-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36436+00 TO 36492+00
CV-S1650-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36492+00 TO 36548+00
CV-S1660-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36548+00 TO 36567+19
CV-R1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1031-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1032-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1033-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1051-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1052-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HUTCHINS ROAD CONNECTOR
CV-R1053-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HUTCHINS ROAD REALIGNMENT
CV-R1054-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	HUTCHINS ROAD REALIGNMENT
CV-R1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1121-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1122-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/ LINCOLN ROAD CONNECTOR
CV-R1123-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 REALIGNMENT AT ROAD 4
CV-R1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1161-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1162-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/AVENUE 21 CONNECTOR
CV-R1180-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 REALIGNMENT AT ROAD 11
CV-R1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROBERTSON BLVD GRADE SEPARATION
CV-R1201-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROBERTSON BLVD GRADE SEPARATION
CV-R1202-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21/ROBERTSON BLVD CONNECTOR
CV-R1203-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 REALIGNMENT AT ROBERTSON BLVD
CV-R1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 REALIGNMENT AT ROAD 15
CV-R1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1231-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 19 GRADE SEPARATION
CV-R1261-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 19 GRADE SEPARATION
CV-R1262-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21/ROAD 19 CONNECTOR
CV-R1270-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	FAIRMEAD BOULEVARD REALIGNMENT
CV-R1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1291-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1292-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 12 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0013
SCALE NO SCALE
SHEET NO.

p0021811 06-SEP-2016 4:00 MF-CV-B0014.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1301-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1311-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 14 GRADE SEPARATION
CV-R1431-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 14 GRADE SEPARATION
CV-R1432-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 GRADE SEPARATION
CV-R1433-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 GRADE SEPARATION
CV-R1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 25/WASHINGTON ROAD UNDERPASS
CV-R1471-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 13 REALIGNMENT
CV-R1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1491-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1501-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1502-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1511-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1512-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 SJD-MER GRADE SEPARATION
CV-R1631-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 SJD-MER GRADE SEPARATION
CV-R1632-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 CONNECTOR ROAD
CV-I0001-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	GENERAL NOTES
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE				
CV-B4050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
CV-B4051-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 6
CV-B0061-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 6
CV-B0062-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 3 OF 6
CV-B0063-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 4 OF 6
CV-B0064-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 5 OF 6
CV-B0065-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 6 OF 6
CV-B0070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 3
CV-B0081-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 3
CV-B0082-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 3

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 13 OF 17

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0014
SCALE NO SCALE
SHEET NO.

p0021811 06-SEP-2016 4:00 MF-CV-B0015.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-S1010-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5338+00 TO 5394+00
CV-S1020-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5394+00 TO 5450+00
CV-S1030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5450+00 TO 5506+00
CV-S1040-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5506+00 TO 5562+00
CV-S1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5562+00 TO 5618+00
CV-S1060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5618+00 TO 5674+00
CV-S1070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5674+00 TO 5730+00
CV-S1080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5730+00 TO 5786+00
CV-S1090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5786+00 TO 5842+00
CV-S1100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5842+00 TO 5898+00
CV-S1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5898+00 TO 5954+00
CV-S1120-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5954+00 TO 6010+00
CV-S1130-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6010+00 TO 6066+00
CV-S1140-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6066+00 TO 6122+00
CV-S1150-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6122+00 TO 6178+00
CV-S1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6178+00 TO 6234+00
CV-S1170-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6234+00 TO 6290+00
CV-S1180-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6290+00 TO 6346+00
CV-S1190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6346+00 TO 6402+00
CV-S1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6402+00 TO 6458+00
CV-S1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6458+00 TO 6514+00
CV-S1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6514+00 TO 6570+00
CV-S1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6570+00 TO 6626+00
CV-S1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6626+00 TO 6682+00
CV-S1241-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6682+00 TO 6738+00
CV-S1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6738+00 TO 6794+00
CV-S1270-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6794+00 TO 6850+00
CV-S1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6850+00 TO 6906+00
CV-S1290-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6906+00 TO 6962+00
CV-S1291-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1300-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6962+00 TO 7018+00
CV-S1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7018+00 TO 7074+00
CV-S1320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7074+00 TO 7130+00
CV-S1330-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 7130+00 TO 7170+94.51
CV-S1410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15009+29.27 TO 15052+00
CV-S1420-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15052+00 TO 15108+00
CV-S1430-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15108+00 TO 15164+00
CV-S1440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15164+00 TO 15220+00
CV-S1441-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE ACCESS ROAD

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
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CONTRACT NO. HSR08-05
DRAWING NO. CV-B0015
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SHEET NO.

p0021811 MF-CV-B0016.dgn 06-SEP-2016 4:00

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-S1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15220+00 TO 15276+00
CV-S1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15276+00 TO 15332+00
CV-S1470-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15332+00 TO 15388+00
CV-S1480-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15388+00 TO 15444+00
CV-S1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15444+00 TO 15500+00
CV-S1500-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15500+00 TO 15556+00
CV-S1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15556+00 TO 15612+00
CV-S1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15612+00 TO 15655+00
CV-S1610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36134+00.59 TO 36184+00
CV-S1620-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36184+00 TO 36240+00
CV-S1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36240+00 TO 36296+00
CV-S1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36296+00 TO 36352+00
CV-S1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36352+00 TO 36408+00
CV-S1660-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	CIVIL PLAN	SJD-MER STA 36408+00 TO 36457+64.63
CV-R1030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1031-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1032-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1033-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	HENRY MILLER ROAD REALIGNMENT
CV-R1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1051-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	INDIANA ROAD GRADE SEPARATION
CV-R1090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1091-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	COYOTE ROAD REALIGNMENT
CV-R1100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1101-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1102-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1103-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 59
CV-R1104-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1105-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB OFF RAMP GRADE SEPARATION
CV-R1106-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1107-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB ON RAMP GRADE SEPARATION
CV-R1108-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1109-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 WB OFF RAMP GRADE SEPARATION
CV-R1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 59/SR 152 EB LOOP ON RAMP
CV-R1111-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1112-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
CV-R1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1161-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/HEMLOCK ROAD GRADE SEPARATION
CV-R1162-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1163-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9
CV-R1164-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 9

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY W. JOHNSEN
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RECORD SET  
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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
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DRAWING NO. CV-B0016
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p0021811 06-SEP-2016 4:00 MF-CV-B0017.dgn

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1165-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB OFF RAMP
CV-R1166-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 EB ON RAMP
CV-R1167-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 LOOP RAMP
CV-R1168-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB ON RAMP
CV-R1169-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 9/SR 152 WB OFF RAMP
CV-R1190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 GRADE SEPARATION
CV-R1191-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 GRADE SEPARATION
CV-R1192-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1193-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1194-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 12
CV-R1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1201-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1202-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT SR 233
CV-R1203-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB OFF RAMP
CV-R1204-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB LOOP RAMP
CV-R1205-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB ON RAMP
CV-R1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION
CV-R1211-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/ROBERTSON BLVD GRADE SEPARATION
CV-R1212-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1213-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 EB ON RAMP
CV-R1214-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 233/SR 152 WB OFF RAMP
CV-R1224-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1225-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1226-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	SR 152 REALIGNMENT AT ROAD 16
CV-R1227-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1228-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB OFF RAMP
CV-R1229-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB ON RAMP
CV-R1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1231-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 GRADE SEPARATION
CV-R1232-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB ON RAMP
CV-R1233-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 EB LOOP RAMP
CV-R1234-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16/SR 152 WB OFF RAMP
CV-R1235-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 16 CONNECTOR REALIGNMENT
CV-R1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1241-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1242-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 17 1/2 GRADE SEPARATION
CV-R1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	FAIRMEAD BOULEVARD REALIGNMENT
CV-R1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION
CV-R1261-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 20 GRADE SEPARATION
CV-R1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION

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p0021811 07-SEP-2016 01:24 MF-CV-B0018.dgn

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CV-R1281-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 22 GRADE SEPARATION
CV-R1290-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 22 REALIGNMENT
CV-R1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1311-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1312-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1313-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1314-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1321-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 REALIGNMENT
CV-R1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 25 GRADE SEPARATION
CV-R1451-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 25 GRADE SEPARATION
CV-R1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ATHLONE ROAD REALIGNMENT
CV-R1491-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ATHLONE ROAD REALIGNMENT
CV-R1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 10 REALIGNMENT
CV-R1631-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 10 REALIGNMENT
CV-R1632-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 23 1/2 GRADE SEPARATION
CV-R1633-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 23 1/2 GRADE SEPARATION
CV-R1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1651-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-I0001-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	GENERAL NOTES
CV-I4100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 1 OF 4
CV-I4101-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 2 OF 4
CV-I4102-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 3 OF 4
CV-I4103-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 4 OF 4
CV-I4160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 1 OF 4
CV-I4161-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 2 OF 4
CV-I4162-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 3 OF 4
CV-I4163-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 4 OF 4
CV-I4210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 1 OF 5
CV-I4211-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 2 OF 5
CV-I4212-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 3 OF 5
CV-I4213-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 4 OF 5
CV-I4214-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 5 OF 5
CV-I4230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 1 OF 4
CV-I4231-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 2 OF 4
CV-I4232-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 3 OF 4
CV-I4233-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 4 OF 4

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSEN
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
INDEX OF DRAWINGS  
SHEET 17 OF 17

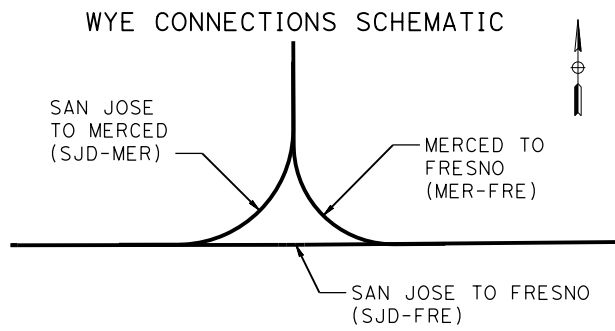
CONTRACT NO. HSR08-05
DRAWING NO. CV-B0018
SCALE NO SCALE
SHEET NO.



p0042226 09-AUG-2016 08:56 MF-CV-B0021.dgn

O CONTINUED					P CONTINUED					S CONTINUED					T CONTINUED				
OC	OVERCROSSING				PVI	POINT OF VERTICAL INTERSECTION				SJM	SAN JOSE TO MERCED				TS	TRANSVERSE, TRAFFIC SIGNAL,			
OCS	OVERHEAD CONTACT SYSTEM				PVMT	PAVEMENT				SJV	SAN JOAQUIN VALLEY					TUBULAR STEEL, TANGENT SPIRAL POINT			
OD	OUTSIDE DIAMETER				PVT	POINT OF VERTICAL TANGENT				S	STATION LINE				TYP	TYPICAL			
OF	OUTSIDE FACE									SM	SELECTED MATERIAL								
OG	ORIGINAL GROUND									SPEC	SPECIAL, SPECIFICATIONS								
OGAC	OPEN GRADED ASPHALT CONCRETE				QTY	QUANTITY				SPP	SLOTTED PLASTIC PIPE				UC	UNDERCROSSING			
OH	OVERHEAD									SR	STATE ROUTE				UD	UNDERDRAIN			
O-O	OUT TO OUT									SRS	STANDALONE RADIO SITE				UON	UNLESS OTHERWISE NOTED			
OPP	OPPOSITE				R	RADIUS				SS	SLOPE STAKE, SUBSTATION				UP	UNDERPASS			
					R & D	REMOVE AND DISPOSE				SSBM	STRAP AND SADDLE BRACKET METHOD				UPRR	UNION PACIFIC RAILROAD			
					R & S	REMOVE AND SALVAGE				SSD	STRUCTURAL SECTION DRAIN				UXO	UNIVERSAL CROSSOVER			
P	PAGE				R/C	RATE OF CHANGE				SSPA	STRUCTURAL STEEL PLATE ARCH								
PAP	PERFORATED ALUMINUM PIPE				RCA	REINFORCED CONCRETE ARCH				SSPP	STRUCTURAL STEEL PLATE PIPE								
PB	PULL BOX, PHASE BREAK				RCB	REINFORCED CONCRETE BOX				SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH				V	DESIGN SPEED, VALVE			
PC	POINT OF CURVATURE, PRECAST				RCP	REINFORCED CONCRETE PIPE				SSRP	STEEL SPIRAL RIB PIPE				VAR	VARIABLE			
PCC	POINT OF COMPOUND CURVE,				RCPA	REINFORCED CONCRETE PIPE ARCH				ST	STREET, SPIRAL TANGENT POINT				VC	VERTICAL CURVE			
	PORTLAND CEMENT CONCRETE				RD	ROAD				STA	STATION				VCP	VITRIFIED CLAY PIPE			
PCP	PERFORATED CONCRETE PIPE,				REINF	REINFORCED, REINFORCEMENT,				STBB	SINGLE THRIE BEAM BARRIER				VERT	VERTICAL			
	PRESTRESSED CONCRETE PIPE					REINFORCING				STD	STANDARD				VIA	VIADUCT			
PCVC	POINT OF COMPOUND VERTICAL CURVE				REL	RELOCATE				STR	STRUCTURE				VOL	VOLUME			
PED	PEDESTRIAN				REPL	REPLACEMENT				SURF	SURFACING								
PED OC	PEDESTRIAN OVERCROSSING				RET	RETAINING				SW	SIDEWALK, SOUND WALL								
PED UC	PEDESTRIAN UNDERCROSSING				REV	REVISED				SWR	SEWER				W	WEST, WIDTH			
PERM MTL	PERMEABLE MATERIAL				RDWY	ROADWAY				SWS	SWITCHING STATION				WB	WESTBOUND			
PG	PROFILE GRADE				RM	ROAD-MIXED				SYM	SYMMETRICAL				WCB	WORLD COORDINATE BEARING			
PG&E	PACIFIC GAS AND ELECTRIC				RP	RADIUS POINT,				S4S	SURFACE 4 SIDES				WH	WEEP HOLE			
PI	POINT OF INTERSECTION					REFERENCE POINT									WM	WIRE MESH			
PITO	POINT OF INTERSECTION TURNOUT				RR	RAILROAD									WS	WATER SURFACE			
PJP	PARTIAL JOINT PENETRATION				RSP	ROCK SLOPE PROTECTION				T	SEMI-TANGENT				WSP	WELDED STEEL PIPE			
PL, PL	PLATE				RT	RIGHT				TAB	TABLET				WT	WEIGHT			
P/L	PROPERTY LINE				RTE	ROUTE				TAN	TANGENT				WV	WATER VALVE			
PM	POST MILE,				RW	REDWOOD,				TBB	THRIE BEAM BARRIER				WW	WINGWALL			
	TIME FROM NOON TO MIDNIGHT					RETAINING WALL				TBD	TO BE DETERMINED				WWLOL	WINGWALL LAYOUT LINE			
PN	PAVING NOTCH				R/W	RIGHT-OF-WAY				TBR	TIMBER								
POB	POINT OF BEGINNING				RWY	RAILWAY				TC	TOP OF CURB, TRAIN CONTROL								
POC	POINT OF HORIZONTAL CURVE									TCB	TRAFFIC CONTROL BOX				X SEC	CROSS SECTION			
POE	POINT OF END									TCE	TEMPORARY CONSTRUCTION EASEMENT				XING	CROSSING			
POT	POINT OF TANGENT				S	SOUTH, SUPPLEMENT				TEL	TELEPHONE				XO	CROSSOVER			
POVC	POINT OF VERTICAL CURVE				SAE	STRUCTURE APPROACH EMBANKMENT				TEMP	TEMPORARY								
PP	PIPE PILE, PLASTIC PIPE,				SALV	SALVAGE				TG	TOP OF GRADE								
	POWER POLE				SAPP	STRUCTURAL ALUMINUM PLATE PIPE				TM	TECHNICAL MEMORANDUM				YR	YEAR			
PPL	PREFORMED PERMEABLE LINER				SB	SOUTHBOUND				TO	TURNOUT				YRS	YEARS			
PPP	PERFORATED PLASTIC PIPE				SC	SAND CUSHION, SPIRAL CURVE POINT				TOT	TOTAL								
PRC	POINT OF REVERSE CURVE				SCSP	SLOTTED CORRUGATED STEEL PIPE				TP	TELEPHONE POLE								
PRF	PAVEMENT REINFORCING FABRIC				SD	STORM DRAIN				TPB	TREATED PERMEABLE BASE								
PRVC	POINT OF REVERSE VERTICAL CURVE				SEC	SECOND, SECTION				TPF	TRACTION POWER FACILITY								
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES				SEP	SEPARATION				TPM	TREATED PERMEABLE MATERIAL								
PS, P/S	POINT OF SWITCH, PRESTRESSED,				SG	SUBGRADE				TPSS	TRACTION POWER SUBSTATION								
	PARALLELING STATION				SHLD	SHOULDER				T/R	TOP OF RAIL								
PSP	PERFORATED STEEL PIPE				SHT	SHEET				TRANS	TRANSITION								
PT	POINT OF TANGENCY				SIM	SIMILAR				TRK	TRACK								
PVC	POLYVINYL CHLORIDE,				SJD	SAN JOSE DIRIDON STATION													
	POINT OF VERTICAL CURVE																		

						DESIGNED BY S. WELLS	<b>RECORD SET 15% DESIGN SUBMITTAL</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE CIVIL AND GRADE SEPARATION PLANS ABBREVIATIONS SHEET 2 OF 2	CONTRACT NO. HSR08-05
						DRAWN BY W. JOHNSEN					DRAWING NO. CV-B0021
						CHECKED BY J. RAY					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016					



TO SAN JOSE

TO SACRAMENTO

TO FRESNO

NOTE:  
FOR LARGE SCALE VIEW OF EACH ALIGNMENT OPTION,  
PLEASE REFER TO KEY MAP DRAWINGS PROVIDED IN THIS  
PACKAGE FOR EACH OPTION.

MF-CV-B4000.dgn  
09-AUG-2016 08:56  
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
DRAWN BY W. JOHNSON
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
LOCATION PLAN

CONTRACT NO. HSR08-05
DRAWING NO. CV-B4000
SCALE NTS
SHEET NO.

GENERAL NOTES:

1. DESIGN IS BASED ON THE FOLLOWING STANDARDS:
  - CALIFORNIA HIGH-SPEED RAIL AUTHORITY DIRECTIVE DRAWINGS FOR HIGH-SPEED RAIL PROJECT FACILITIES
  - CALTRANS HIGHWAY DESIGN MANUAL FOR STATE HIGHWAY FACILITIES
  - LOCAL AGENCY STANDARDS FOR ALL OTHER FACILITIES
2. THE HORIZONTAL CONTROL DATUM IS NAD 83. ALL ELEVATIONS ARE BASED ON NAVD 88.
3. ALL MAJOR UTILITIES ARE SHOWN ON THE PLANS. PLEASE REFERENCE THE SECTION UTILITY REPORT FOR A DISCUSSION OF HIGH VS. LOW RISK AND MINOR UTILITIES.
4. RETAINING WALL TYPES ARE NOT SHOWN DUE TO CURRENT LACK OF GEOTECHNICAL BORINGS. IT CAN BE ASSUMED FOR COST PURPOSES THAT ALL FILL RETAINING WALLS ARE MSE AND THAT ALL CUT RETAINING WALLS ARE SOIL NAIL. PRELIMINARY RETAINING WALL TYPES WILL BE FINALIZED BASED ON SUBSEQUENT GEOTECHNICAL EXPLORATION.
5. MAJOR WATERCOURSES, IRRIGATION CANALS, AND BODIES OF WATER ARE SHOWN ON THE PLANS. FOR FURTHER INFORMATION REGARDING DRAINAGE DESIGN, PLEASE REFER TO THE FOLLOWING:
  - HYDROLOGY AND HYDRAULICS REPORT
  - FLOODPLAIN IMPACTS ASSESSMENT REPORT
  - STORM WATER MANAGEMENT REPORT
  - STRUCTURE, VIADUCT AND TUNNEL PLANS (FOR FLOW DIRECTION)
6. WHERE PROPOSED ROADWAY R/W AND ROADWAY TCE LINES CROSS PERPENDICULAR TO EXISTING ROADWAY R/W LINES, IT IS ASSUMED THESE LINES SHOW A DEMARCATION OF CONSTRUCTION LIMITS. THEY ARE NOT INTENDED TO BE CONSTRUED AS A JURISDICTIONAL TRANSFER.
7. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES.
8. CUL-DE-SACS WERE DESIGNED BASED ON MERCED COUNTY STANDARD (ST-12).
9. METAL BEAM GUARD RAILING WAS DESIGNED PER CALTRANS STANDARD PLANS (A77) AND AASHTO ROADSIDE DESIGN GUIDE (TABLE 5-10).

p0042226 09-AUG-2016 08:56 MF-CV-B0030.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	S. WELLS
DRAWN BY	W. JOHNSEN
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	08/12/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



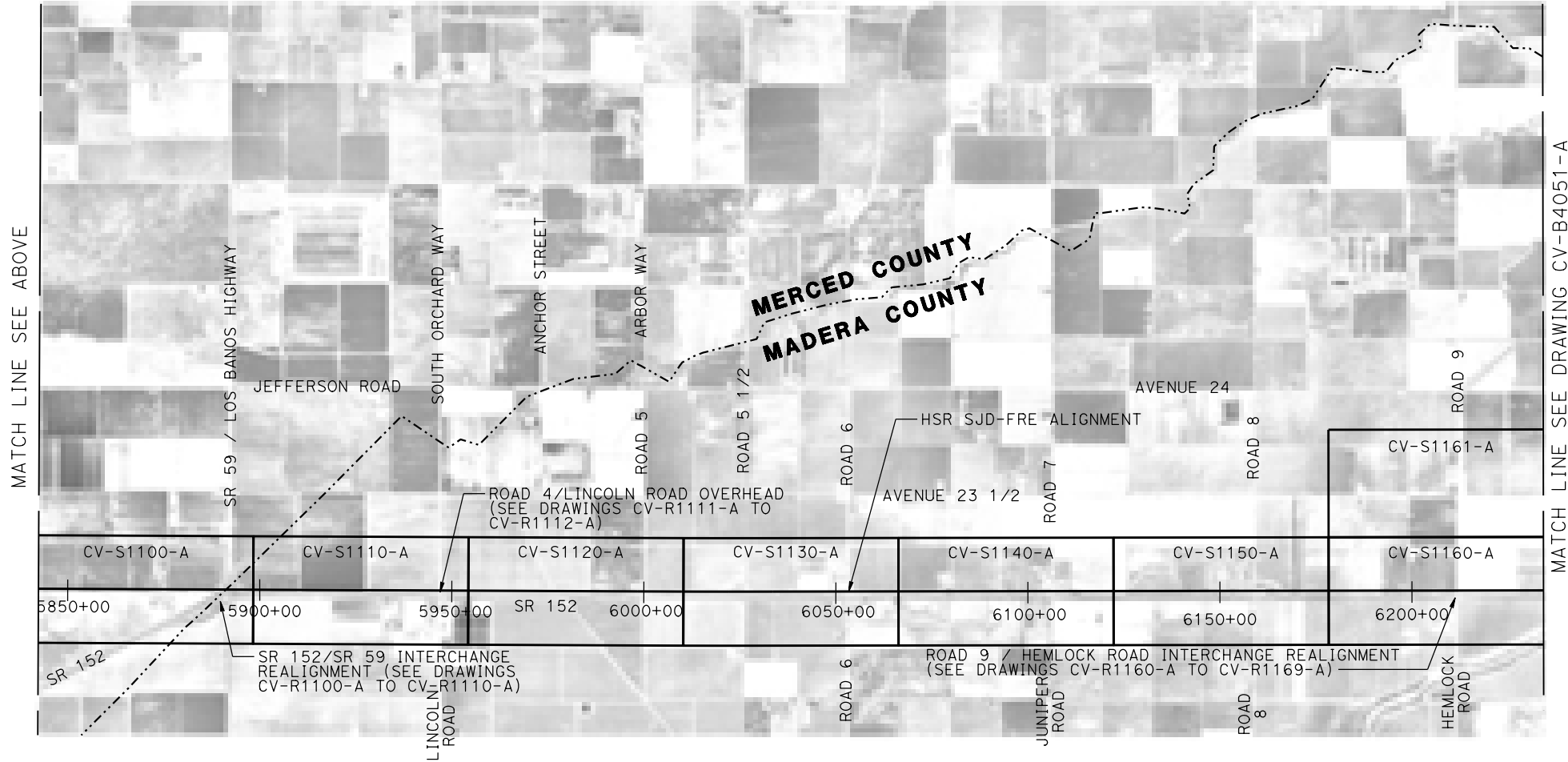
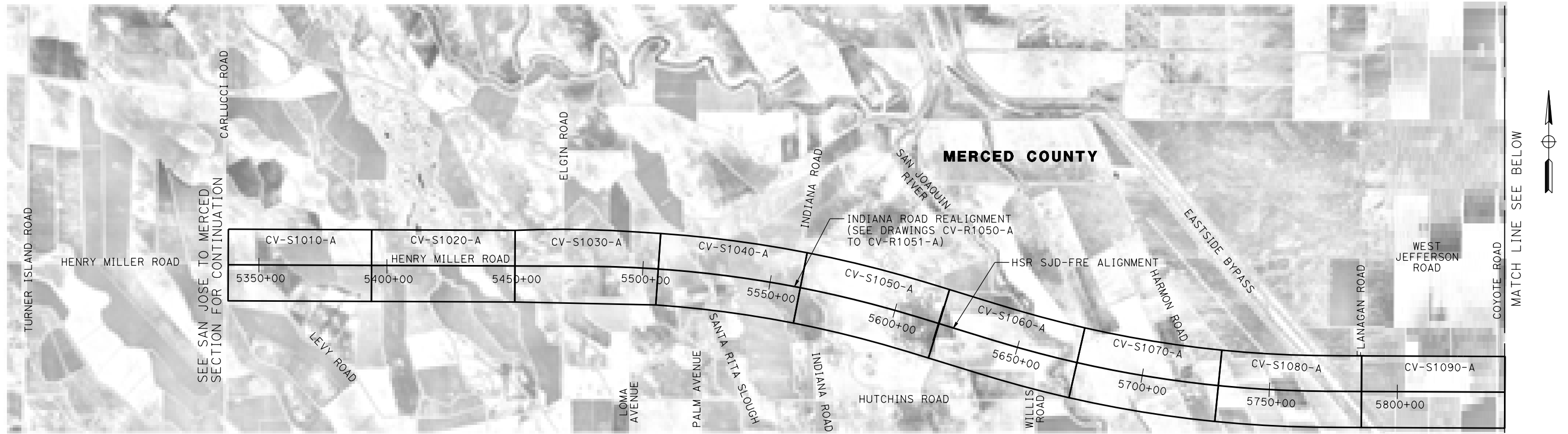
CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
CIVIL AND GRADE SEPARATION PLANS  
GENERAL NOTES

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-B0030
SCALE	NO SCALE
SHEET NO.	



p005133A 09-MAR-2016 11:24 MF-CV-B4050-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>J. RAY</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2015</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

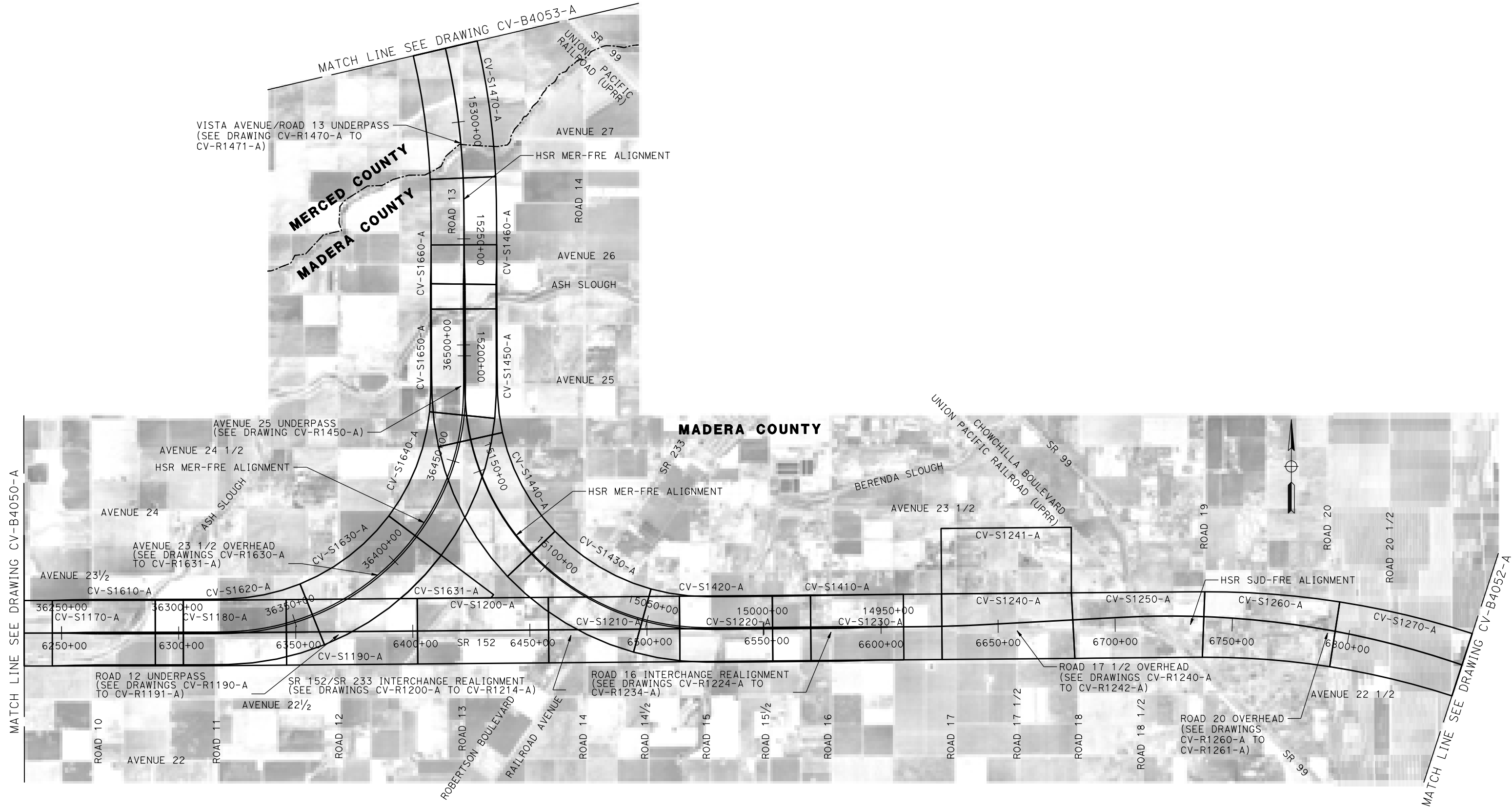
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 1 OF 4

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-B4050-A</b>
SCALE <b>NTS</b>
SHEET NO.

p0042226 18-MAR-2016 01:46 MF-CV-B4051-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

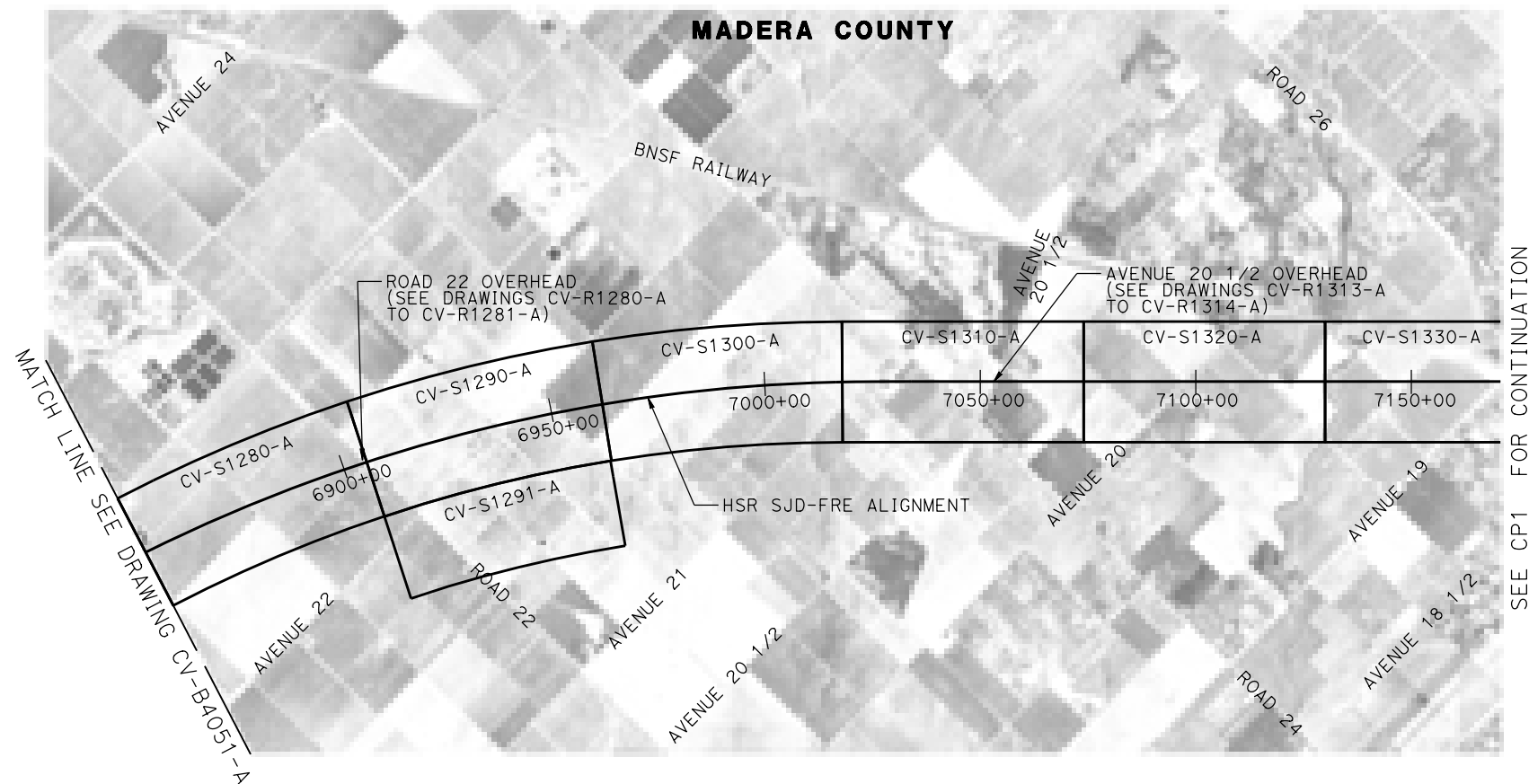


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-B4051-A
SCALE NTS
SHEET NO.

p005133A 09-MAR-2016 11:26 MF-CV-B4052-A.dgn



SEE CP1 FOR CONTINUATION

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

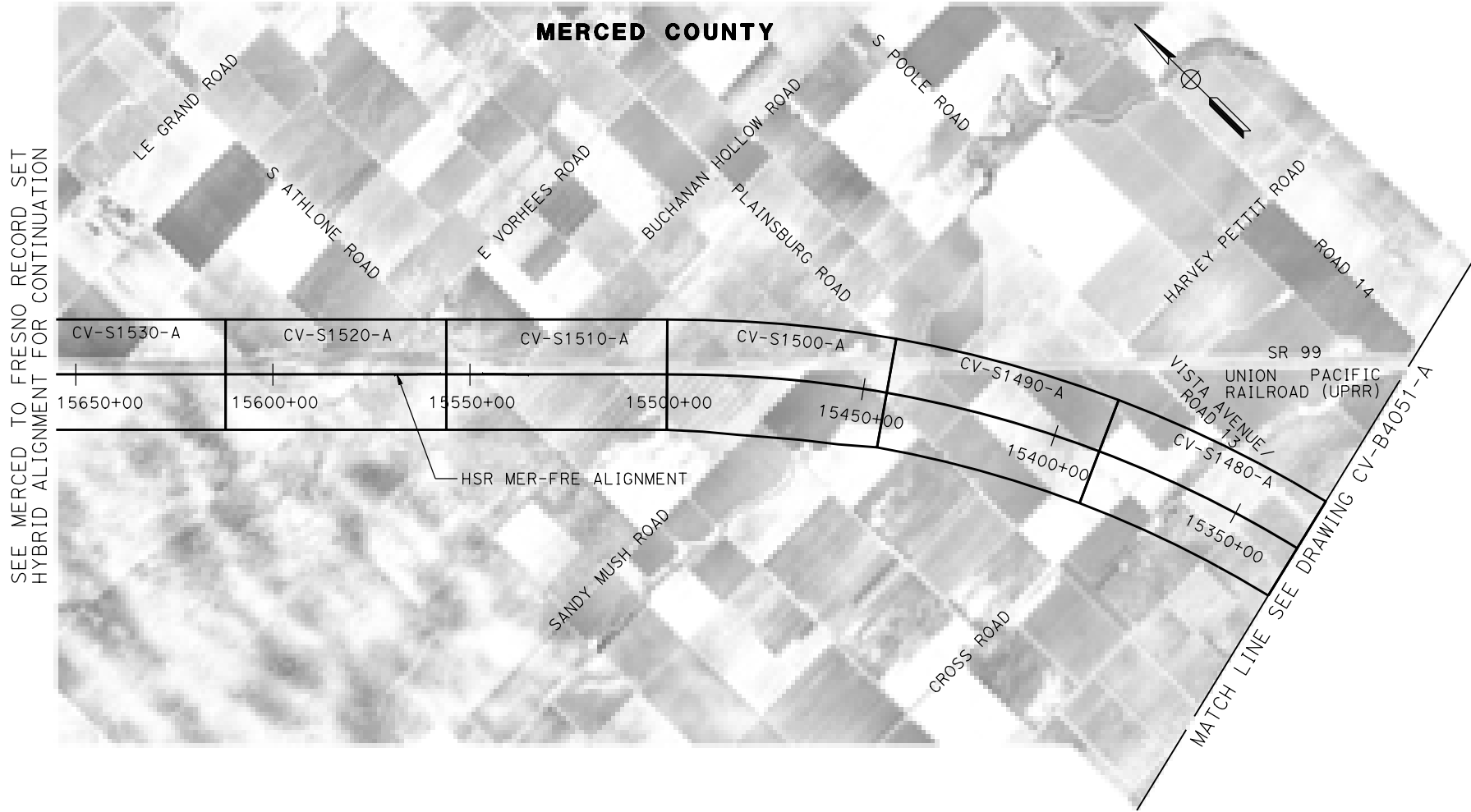


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 3 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-B4052-A
SCALE NTS
SHEET NO.

09-MAR-2016 11:26 MF-CV-B4053-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>J. RAY</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 4 OF 4

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-B4053-A</b>
SCALE <b>NTS</b>
SHEET NO.

MF-CV-B0060-A.dgn

09-MAR-2016 01:44

p005133A

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
HENRY MILLER ROAD "HENRY MILLER RD"	030-01	STATION	45+25.89	51+56.52		57+85.49	10,000.00	7°13'01"	0°34'23"	1,259.60	630.63
		NORTHING	1858106.10	1858106.10	1848106.10	1858026.88		RIGHT			
		EASTING	6525127.39	6525758.03	6525127.39	6526383.67					
	030-02	STATION	107+69.71	111+45.55		115+04.08	1,400.00	30°03'16"	4°05'33"	734.37	375.84
		NORTHING	1857400.72	1857353.51	1858789.63	1857499.38		LEFT			
		EASTING	6531328.40	6531701.26	6531504.28	6532047.64					
INDIANA ROAD "INDIANA RD"	050-01	STATION	24+12.02	36+20.81		46+85.09	2,700.00	48°14'09"	2°07'19"	2,273.07	1,208.79
		NORTHING	1855871.61	1857038.63	1856575.18	1858050.89		LEFT			
		EASTING	6532459.79	6532774.78	6529853.07	6532114.10					
	050-02	STATION	50+03.45	58+17.71		65+50.00	2,000.00	44°18'20"	2°51'53"	1,546.55	814.26
		NORTHING	1858317.49	1858999.37	1859410.61	1859798.19		RIGHT			
		EASTING	6531940.1	6531495.06	6533614.94	6531652.85					
COYOTE ROAD "COYOTE RD"	090-01	STATION	13+00.00	18+01.57		20+86.97	500.00	90°10'48"	1°27'33"	786.97	501.57
		NORTHING	1852469.88	1852971.46	1852469.88	1852969.88		RIGHT			
		EASTING	6558672.51	6558672.51	6559172.51	6559174.08					
SR 152 REALIGNMENT AT SR 59 "SR 152/SR 59"	100-01	STATION	12+03.86	14+20.96		16+37.98	9,700.00	2°33'51.22"	0°35'26.44"	434.12	217.09
		NORTHING	1850801.75	1850900.75	1842169.09	1850991.01		RIGHT			
		EASTING	6559575.36	6559768.57	6563998.84	6559966.01					
	100-02	STATION	22+10.04	53+19.69		83+68.55	17,999.00	19°36'15.24"	0°19'05.98"	6,158.51	3,109.65
		NORTHING	1851228.85	1852521.7	1834859.18	1852790.71		RIGHT			
		EASTING	6560486.29	6563314.44	6567969.48	6566412.44					
	100-03	STATION	93+42.18	97+71.35		101+99.97	9,700.00	5°04'00.52"	0°35'26.44"	857.80	429.18
		NORTHING	1852874.94	1852912.06	1843211.30	1852911.28		RIGHT			
		EASTING	6567382.41	6567809.98	6568221.53	6568239.16					
EB SR 152 TO NB SR 59 RAMP "EB OFF RAMP"	101-01	STATION	26+96.94	28+32.35		29+67.75	17,921.00	0°51'56.88"	0°19'10.97"	270.81	135.41
		NORTHING	1851353.47	1851395.65	1834323.78	1851435.87		RIGHT			
		EASTING	6560962.29	6561090.96	6566543.68	6561220.25					
	101-02	STATION	33+03.48	36+84.30		40+61.06	3,000.00	14°28'07.46"	1°54'35.49"	757.58	380.82
		NORTHING	1851535.6	1851648.72	1848671.01	1851667.40		RIGHT			
		EASTING	6561540.84	6561904.46	6562431.98	6562284.82					
	101-03	STATION	46+06.33	58+06.44		64+91.40	1,200.00	90°00'19.45"	4°46'28.73"	1,885.07	1,200.11
		NORTHING	1851694.15	1851753.02	1852892.70	1852951.68		LEFT			
		EASTING	6562829.43	6564028.1	6562770.57	6563969.12					
	101-04	STATION	78+16.20	78+94.50		79+72.76	3,000.00	2°59'24.27"	1°54'35.49"	156.56	78.30
		NORTHING	1854274.88	1854353.09	1854422.33	1854431.38		RIGHT			
		EASTING	6563904.01	6563900.16	6566900.38	6563900.39					
SB SR 59 TO WB SR 152 RAMP "WB ON RAMP"	102-01	STATION	37+27.63	38+77.64		40+27.63	18,077.00	0°57'03.14"	0°19'01.03"	300.00	150.01
		NORTHING	1851874.32	1851927.78	1834984.69	1851978.92		RIGHT			
		EASTING	6561865.11	6562005.26	6568308.60	6562146.28					
	102-02	STATION	40+27.63	41+11.19		41+94.72	3,594.62	2°39'47.43"	1°35'38.16"	167.08	83.56
		NORTHING	1851978.92	1852007.4	1855358.23	1852039.51		LEFT			
		EASTING	6562146.28	6562224.84	6560920.91	6562301.98					
	102-03	STATION	49+38.86	57+28.63		63+59.29	1,305.00	62°21'49.18"	4°23'25.73"	1,420.43	789.77
		NORTHING	1852325.41	1852628.85	1853530.25	1853415.56		LEFT			
		EASTING	6562989.01	6563718.16	6562487.62	6563787.57					

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 1 OF 6

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0060-A
SCALE NO SCALE
SHEET NO.

MF-CV-B0061-A.dgn  
09-MAR-2016 01:45  
p005133a

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
WB SR 152 TO NB SR 59 RAMP "WB OFF RAMP"	103-01	STATION	52+03.54	53+67.46		55+31.05	3,000.00	6°15'17.78"	1°54'35.49"	327.51	163.92
		NORTHING	1853976.13	1853812.6	1854183.46	1853651.29		LEFT			
		EASTING	6563936.73	6563948.06	6566929.56	6563977.13					
	103-02	STATION	55+31.05	63+97.93		69+59.47	1,000.00	81°50'33.51"	5°43'46.48"	1,428.42	866.88
		NORTHING	1853651.29	1852798.16	1853828.68	1852829.33		LEFT			
		EASTING	6563977.13	6564130.91	6564961.27	6564997.23					
	103-03	STATION	77+47.81	80+63.60		83+79.32	18,077.00	2°00'05.77"	0°19'01.03"	631.51	315.79
		NORTHING	1852857.67	1852869.02	1834792.36	1852869.35		RIGHT			
		EASTING	6565785.06	6566100.64	6566435.00	6566416.43					
SB SR 59 TO EB SR 152 LOOP ON RAMP "EB LOOP RAMP"	104-01	STATION	45+66.64			50+57.29	150.00	187°24'58.88"	38°11'49.87"	490.65	0.00
		NORTHING	1851816.07		1851950.65	1852092.65		RIGHT			
		EASTING	6563300.54		6563234.29	6563185.97					
	104-02	STATION	53+88.24	54+71.80		55+55.31	2,570.00	3°43'28.19"	2°13'45.87"	167.06	83.56
		NORTHING	1852199.27	1852226.18	1849766.26	1852247.91		RIGHT			
		EASTING	6563499.28	6563578.38	6564327.17	6563659.07					
	104-03	STATION	55+55.31	57+05.36		58+55.41	17,921.00	0°57'34.14"	0°19'10.97"	300.11	150.06
		NORTHING	1852247.91	1852286.91	1834943.04	1852323.49		RIGHT			
		EASTING	6563659.07	6563803.97	6568317.82	6563949.50					
SR 152 REALIGNMENT AT ROAD 9 "SR 152/ROAD 9"	160-01	STATION	14+30.85	18+97.60		23+61.75	5,100.00	10°27'29.06"	1°07'24.41"	930.89	466.74
		NORTHING	1852856.89	1852856.05	1847756.90	1852770.49		RIGHT			
		EASTING	6592662.51	6593129.26	6592653.25	6593588.09					
	160-02	STATION	31+86.42	36+65.87		41+42.52	5,100.00	10°44'28.52"	1°07'24.41"	956.10	479.45
		NORTHING	1852619.33	1852531.44	1857632.91	1852532.94		LEFT			
		EASTING	6594398.79	6594870.12	6595333.63	6595349.57					
	160-03	STATION	52+03.02	56+66.40		61+27.24	5,100.00	10°22'59.34"	1°07'24.41"	924.22	463.38
		NORTHING	1852536.25	1852537.7	1857636.23	1852622.64		LEFT			
		EASTING	6596410.07	6596873.45	6596394.13	6597328.98					
	160-04	STATION	69+37.21	74+00.59		78+61.43	5,100.00	10°22'59.34"	1°07'24.41"	924.22	463.38
		NORTHING	1852771.11	1852856.05	1847757.52	1852857.5		RIGHT			
		EASTING	6598125.22	6598580.75	6599060.06	6599044.13					
ROAD 9/SR 152 EB OFF RAMP "EB OFF RAMP"	161-01	STATION	25+62.64	28+26.67		30+89.34	3,000.00	10°03'32.93"	1°54'35.49"	526.70	264.03
		NORTHING	1852632.87	1852562.61	1849741.01	1852448.99		RIGHT			
		EASTING	6593767.2	6594021.71	6592968.96	6594260.03					
	161-02	STATION	38+53.84	41+86.88		45+09.29	1,500.00	25°02'11.73"	3°49'10.99"	655.46	333.04
		NORTHING	1852119.98	1851976.65	1853473.97	1851974.01		LEFT			
ROAD 9/SR 152 EB ON RAMP "EB ON RAMP"	162-01	EASTING	6594950.11	6595250.74	6595595.65	6595583.77					
		STATION	46+58.21	49+60.83		52+55.44	1,500.00	22°48'44.95"	3°49'10.99"	597.23	302.62
		NORTHING	1851984.11	1851984.11	1853484.11	1852101.44		LEFT			
	162-02	EASTING	6595983.41	6596286.03	6595983.41	6596564.98					
		STATION	62+99.90	65+91.52		68+81.32	3,000.00	11°06'15.69"	1°54'35.49"	581.42	291.62
		NORTHING	1852506.39	1852619.46	1849741.06	1852678.64		RIGHT			
		EASTING	6597527.74	6597796.56	6598690.89	6598082.11					

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 2 OF 6

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0061-A
SCALE NO SCALE
SHEET NO.

09-MAR-2016 01:48 MF-CV-B0062-A.dgn p005133A

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
ROAD 9/SR 152 EB LOOP RAMP "EB LOOP RAMP"	163-01	STATION	35+12.64	35+84.78		36+25.88	72.00	90°06'45.82"	79°34'38.90"	113.24	72.14
		NORTHING	1852074.00	1852001.86	1852074.43	1852002.43		RIGHT			
		EASTING	6595855.99	6595855.56	6595783.99	6595783.42					
	163-02	STATION	37+87.02	66+21.04		43+87.16	200.00	171°55'35.46"	28°38'52.40"	600.14	2,834.02
		NORTHING	1852003.71	1852026.15	1852203.70	1852401.94		RIGHT			
		EASTING	6595622.28	6592788.35	6595623.86	6595597.34					
	163-03	STATION	45+73.35	47+38.32		49+02.96	3,000.00	6°17'42.07"	1°54'35.49"	329.61	164.97
		NORTHING	1852426.63	1852448.5	1849453.12	1852452.32		RIGHT			
		EASTING	6595781.89	6595945.41	6596179.69	6596110.33					
ROAD 9/SR 152 WB ON RAMP "WB ON RAMP"	164-01	STATION	29+35.25	34+55.35		39+65.22	3,000.00	19°40'15"	1°54'35"	1,029.97	520.10
		NORTHING	1852746.97	1852661.88	1855706.55	1852754.47		LEFT			
		EASTING	6594167.03	6594680.13	6594657.86	6595191.92					
	164-02	STATION	42+15.63	43+50.22		44+84.09	1,500.00	10°15'16"	3°49'11"	268.46	134.59
		NORTHING	1852799.04	1852823.00	1851323.00	1852823.00		RIGHT			
		EASTING	6595438.33	6595570.77	6595705.36	6595705.36					
ROAD 9/SR 152 WB OFF RAMP "WB OFF RAMP"	165-01	STATION	64+97.60	65+49.41		66+01.18	1,500.00	3°57'24"	3°49'11"	103.59	51.81
		NORTHING	1852835.00	1852835.00	1854335.00	1852838.58		LEFT			
		EASTING	6597675.09	6597726.91	6597675.09	6597778.60					
	165-02	STATION	68+52.53	70+08.53		71+64.43	5,177.00	3°27'07"	1°06'24"	311.91	156.00
		NORTHING	1852855.92	1852866.69	1847691.26	1852868.06		RIGHT			
		EASTING	6598029.34	6598184.97	6598386.57	6598340.97					
SR 152 REALIGNMENT AT ROAD 12 "SR 152/ROAD 12"	190-01	STATION	16+58.51	19+93.30		23+28.03	20,000.00	1°55'05"	0°17'11"	669.52	334.79
		NORTHING	1852891.29	1852893.15	1832891.60	1852883.80		RIGHT			
		EASTING	6608708.28	6609043.06	6608819.08	6609377.72					
	190-02	STATION	29+28.03	32+56.66		35+85.22	20,000.00	1°52'58"	0°17'11"	657.19	328.62
		NORTHING	1852867.04	1852857.86	1872859.24	1852859.48		LEFT			
		EASTING	6609977.49	6610305.99	6610536.13	6610634.61					
	190-03	STATION	55+07.23	58+54.27		62+01.23	20,000.00	1°59'17"	0°17'11"	694.00	347.04
		NORTHING	1852868.94	1852870.65	1872868.70	1852884.40		LEFT			
		EASTING	6612556.59	6612903.62	6612458.12	6613250.39					
	190-04	STATION	68+01.23	71+42.10		74+82.91	20,000.00	1°57'10"	0°17'11"	681.67	340.87
		NORTHING	1852908.17	1852921.67	1832923.86	1852923.56		RIGHT			
		EASTING	6613849.92	6614190.52	6614642.19	6614531.38					
SR 152 REALIGNMENT AT SR 233 "SR 152/SR 233"	200-01	STATION	102+81.31	106+94.07		111+05.02	5,088.50	9°16'29.19"	1°07'33.55"	823.70	412.75
		NORTHING	1852936.63	1852938.67	1847848.20	1852874.15		RIGHT			
		EASTING	6617571.49	6617984.24	6617596.55	6618391.92					
	200-02	STATION	120+30.32	124+39.39		128+46.71	5,100.00	9°10'18.20"	1°07'24.41"	816.39	409.07
		NORTHING	1852729.52	1852665.58	1857766.83	1852666.85		LEFT			
		EASTING	6619305.85	6619709.89	6620103.02	6620118.96					
	200-03	STATION	139+46.65	143+98.52		148+48.04	5,100.00	10°07'35.70"	1°07'24.41"	901.39	451.87
		NORTHING	1852670.29	1852671.70	1857770.27	1852752.54		LEFT			
		EASTING	6621218.89	6621670.76	6621202.96	6622115.34					
	200-04	STATION	155+40.07	159+48.84		163+55.87	5,088.50	9°11'08.76"	1°07'33.55"	815.80	408.77
		NORTHING	1852876.35	1852949.48	1847869.94	1852957.47		RIGHT			
		EASTING	6622796.21	6623198.39	6623706.54	6623607.09					
SR 233/SR 152 EB OFF RAMP "EB OFF RAMP"	201-01	STATION	13+02.73	15+74.24		18+42.45	2,000.00	15°27'43.13"	2°51'53.24"	539.72	271.51
		NORTHING	1852725.08	1852655.69	1850791.51	1852518.82		RIGHT			
		EASTING	6618732.18	6618994.67	6618221.00	6619229.16					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
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CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 3 OF 6

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0062-A
SCALE NO SCALE
SHEET NO.

p005133A MF-CV-B0063-A.dgn 09-MAR-2016 01:51

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
SR 233/SR 152 EB LOOP RAMP "EB LOOP RAMP"	202-01	STATION	10+00.00	10+86.90		11+39.78	93.00	86°06'50.38"	61°36'30.11"	139.78	86.90
		NORTHING	1852116.15	1852044.25	1852168.37	1852088.05		RIGHT			
		EASTING	6620190.24	6620141.45	6620113.28	6620066.40					
	202-02	STATION	13+02.25	19+40.71		18+09.14	200.00	145°12'47.90"	28°38'52.40"	506.89	638.46
		NORTHING	1852169.95	1852491.79	1852342.68	1852542.06		RIGHT			
		EASTING	6619926.08	6619374.67	6620026.90	6620011.15					
	202-03	STATION	22+51.67	23+35.24		24+18.76	3,000.00	3°11'28.67"	1°54'35.49"	167.10	83.57
		NORTHING	1852576.90	1852583.48	1849586.22	1852585.42		RIGHT			
		EASTING	6620452.30	6620535.61	6620688.52	6620619.16					
SR 233/SR 152 WB ON RAMP "WB ON RAMP"	203-01	STATION	16+72.81	22+15.00		27+45.61	3,000.00	20°29'20"	1°54'35"	1,072.80	542.19
		NORTHING	1852867.39	1852793.36	1855839.30	1852912.03		LEFT			
		EASTING	6618965.65	6619502.76	6619375.23	6620031.81					
	203-02	STATION	31+35.85	32+43.86		33+45.37	350.00	34°17'55"	16°22'13"	209.52	108.00
		NORTHING	1852997.44	1853021.07	1852655.92	1852981.22		RIGHT			
		EASTING	6620412.59	6620517.98	6620489.19	6620618.36					
SR 233/SR 152 EB ON RAMP "EB ON RAMP"	210-01	STATION	12+18.03	15+67.22		18+50.52	600.00	60°23'53.55"	9°32'57.47"	632.49	349.20
		NORTHING	1851893.73	1851717.71	1852411.92	1851892.98		LEFT			
		EASTING	6620323.95	6620625.53	6620626.40	6620927.55					
	210-02	STATION	29+50.66	34+43.98		39+28.54	3,000.00	18°40'34.42"	1°54'35.49"	977.88	493.32
		NORTHING	1852445.17	1852692.78	1849850.44	1852790.72		RIGHT			
		EASTING	6621879.08	6622305.75	6623384.86	6622789.25					
SR 233/SR 152 WB OFF RAMP "WB OFF RAMP"	211-01	STATION	37+30.21	38+77.53		40+19.14	600.00	27°35'29"	9°32'57"	288.94	147.33
		NORTHING	1852847.48	1852793.11	1853405.13	1852808.35		LEFT			
		EASTING	6620987.67	6621124.60	6621209.10	6621271.14					
	211-02	STATION	52+23.14	54+44.03		56+64.66	5,177.00	4°53'11"	1°06'24"	441.52	220.90
		NORTHING	1852932.83	1852955.67	1847783.58	1852959.71		RIGHT			
		EASTING	6622468.68	6622688.39	6623003.95	6622909.25					
CATES COURT "CATES CT"	212-01	STATION	13+44.20	14+13.01		14+78.49	250.00	30°46'36.50"	22°55'05.92"	134.29	68.81
		NORTHING	1854386.24	1854347.54	1854179.52	1854285.18		RIGHT			
		EASTING	6622168.17	6622225.07	6622027.58	6622254.15					
	212-01	STATION	15+34.15	16+02.94		16+68.41	250.00	30°46'14.25"	22°55'05.92"	134.26	68.79
		NORTHING	1854234.74	1854172.40	1854340.41	1854133.70		LEFT			
		EASTING	6622277.68	6622306.75	6622504.25	6622363.63					
SR 152 REALIGNMENT AT ROAD 16 "SR 152/ROAD 16"	220-01	STATION	14+25.89	19+02.52		23+76.40	5,100.00	10°40'42.20"	1°07'24.41"	950.50	476.63
		NORTHING	1853031.56	1853042.05	1847932.80	1852964.06		RIGHT			
		EASTING	6629753.42	6630229.94	6629865.63	6630700.14					
	220-02	STATION	28+57.10	33+02.66		37+45.96	5,100.00	9°59'09.18"	1°07'24.41"	888.86	445.56
		NORTHING	1852885.4	1852812.49	1857916.66	1852816.91		LEFT			
		EASTING	6631174.37	6631613.92	6632008.89	6632059.46					
	220-03	STATION	48+64.72	53+03.74		57+40.60	5,100.00	9°50'24.30"	1°07'24.41"	875.88	439.02
		NORTHING	1852828.00	1852832.36	1857927.75	1852911.67		LEFT			
		EASTING	6633178.16	6633617.16	6633127.59	6634048.96					
	220-04	STATION	63+83.13	68+31.57		72+77.70	5,100.00	10°03'00.07"	1°07'24.41"	894.57	448.44
		NORTHING	1853027.75	1853108.76	1848011.67	1853111.57		RIGHT			
		EASTING	6634680.92	6635121.98	6635602.29	6635570.4					

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 4 OF 6

CONTRACT NO. HSR05-05
DRAWING NO. CV-B0063-A
SCALE NO SCALE
SHEET NO.



MF-CV-B0064-A.dgn  
06-SEP-2016 01:58  
p0021811

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
ROAD 16/SR 152 EB OFF RAMP "EB OFF RAMP"	221-01	STATION	16+67.72	23+35.36		29+95.16	5,000.00	15°12'40.64"	1°08'45.30"	1,327.44	667.64
		NORTHING	1852981.15	1852877.22	1848042.10	1852603.89		RIGHT			
		EASTING	6629993.95	6630653.46	6629215.62	6631262.59					
	221-02	STATION	34+96.52	38+17.64		41+29.21	1,500.00	24°10'00.28"	3°49'10.99"	632.68	321.12
		NORTHING	1852398.63	1852267.17	1853767.17	1852267.17		LEFT			
		EASTING	6631720.02	6632012.99	6632334.11	6632334.11					
ROAD 16/SR 152 WB ON RAMP "WB ON RAMP"	222-01	STATION	19+63.41	21+13.74		22+63.98	5,024.00	3°25'40"	1°08'26"	300.57	150.33
		NORTHING	1853068.53	1853065.87	1848045.32	1853054.22		RIGHT			
		EASTING	6630294.90	6630445.21	6630205.95	6630595.08					
	222-02	STATION	25+90.18	29+78.04		33+65.52	10,000.00	4°26'32"	0°34'23"	775.33	387.86
		NORTHING	1853028.96	1852998.91	1862998.91	1852998.91		LEFT			
		EASTING	6630920.31	6631307.00	6631694.86	6631694.86					
ROAD 16/SR 152 EB ON RAMP "EB ON RAMP"	230-01	STATION	43+83.24	46+71.67		49+49.35	1,200.00	27°01'47.16"	4°46'28.73"	566.11	288.42
		NORTHING	1852279.17	1852279.17	1853479.17	1852410.24		LEFT			
		EASTING	6632824.23	6633112.66	6632824.23	6633369.58					
	230-02	STATION	55+18.08	59+25.72		63+28.39	3,000.00	15°28'32.72"	1°54'35.49"	810.31	407.64
		NORTHING	1852668.7	1852853.95	1849996.39	1852935.60		RIGHT			
		EASTING	6633876.18	6634239.29	6635239.54	6634638.67					
ROAD 16/SR 152 EB LOOP RAMP "EB LOOP RAMP"	231-01	STATION	31+70.24	32+40.24		32+80.20	70.00	90°00'00.00"	81°51'04.01"	109.96	70.00
		NORTHING	1852367.17	1852297.17	1852367.17	1852297.17		RIGHT			
		EASTING	6632596.67	6632596.67	6632526.67	6632526.67					
	231-02	STATION	34+31.05			40+38.88	200.00	174°07'43.56"	28°38'52.40"	607.82	3,900.08
		NORTHING	1852297.17		1852497.17	1852696.12		RIGHT			
		EASTING	6632375.81		6632375.81	6632355.35					
	231-03	STATION	43+46.98	44+55.87		45+64.66	3,000.00	4°09'26.29"	1°54'35.49"	217.68	108.89
		NORTHING	1852727.64	1852738.77	1849743.37	1852742.03		RIGHT			
		EASTING	6632661.85	6632770.16	6632968.73	6632879.00					
ROAD 16/SR 152 WB OFF RAMP "WB OFF RAMP"	232-01	STATION	49+57.47	53+00.61		56+43.20	7,000.00	5°36'46.15"	0°49'06.64"	685.74	343.14
		NORTHING	1853010.91	1853010.91	1860010.91	1853044.48		LEFT			
		EASTING	6633247.64	6633590.78	6633247.64	6633932.28					
	232-02	STATION	61+34.77	63+33.48		65+32.00	5,177.00	4°23'46.86"	1°06'24.25"	397.24	198.72
		NORTHING	1853092.55	1853111.99	1847940.37	1853116.21		RIGHT			
		EASTING	6634421.48	6634619.25	6634927.82	6634817.92					
ROAD 16 CONNECTOR "RD 16 CONNECTOR"	233-01	STATION	13+45.79	14+93.90		16+33.77	500.00	32°59'59"	11°27'33"	287.98	148.11
		NORTHING	1853652.19	1853652.19	1853152.19	1853571.52		RIGHT			
		EASTING	6632960.46	6633108.57	6632960.46	6633232.78					
	233-01	STATION	17+26.67	18+74.78		20+14.65	500.00	32°59'59"	11°27'33"	287.98	148.11
		NORTHING	1853520.92	1853440.26	1853940.26	1853440.26		LEFT			
		EASTING	6633310.69	6633434.91	6633583.01	6633583.01					
ROAD 17 1/2 "RD 17 1/2"	240-01	STATION	38+19.65	55+23.03		54+72.90	700.00	135°19'11"	8°11'06"	1,653.24	1,703.38
		NORTHING	1852923.08	1851219.73	1852919.17	1852424.20		LEFT			
		EASTING	6640581.25	6640571.74	6641281.24	6641776.21					
	240-02	STATION	60+75.88	63+63.26		66+21.28	700.00	44°38'30"	8°11'06"	545.40	287.39
		NORTHING	1852850.57	1853053.78	1852355.59	1853055.58		RIGHT			
		EASTING	6642202.58	6642405.80	6642697.56	6642693.18					

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 5 OF 6

CONTRACT NO. HSR05-05
DRAWING NO. CV-B0064-A
SCALE NO SCALE
SHEET NO.

p0021811 06-SEP-2016 01:58 MF-CV-B0065-A.dgn

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
FAIRMEAD BLVD REALIGNMENT "FAIR BLVD" LINE	250-01	STATION	12+50.00	13+72.86		14+95.59	3,000.00	4°41'26"	1°54'35"	245.59	122.86
		NORTHING	1854217.48	1854130.08	1856325.85	1854050.03		LEFT			
		EASTING	6646152.11	6646238.46	6648286.31	6646331.67					
	250-02	STATION	16+98.79	19+44.19		21+88.49	3,000.00	9°21'10"	1°54'35"	489.71	245.40
		NORTHING	1853917.63	1853757.74	1851641.81	1853569.73		RIGHT			
		EASTING	6646485.81	6646671.97	6644531.17	6646829.67					
	250-03	STATION	23+95.89	25+18.01		26+40.00	3,000.00	4°39'44"	1°54'35"	244.11	122.12
		NORTHING	1853410.83	1853317.26	1855338.75	1853230.38		LEFT			
		EASTING	6646962.95	6647041.43	6649261.46	6647127.26					
AVENUE 20 1/2 "AVE 20 1/2"	310-01	STATION	27+78.31	35+81.73		43+06.23	2,000.00	43°46'18"	2°51'53"	1,527.92	803.42
		NORTHING	1839905.08	1839902.68	1841905.07	1840456.73		LEFT			
		EASTING	6675844.57	6676647.98	6675850.55	6677229.80					
	310-02	STATION	49+74.10	53+43.44		57+04.54	2,000.00	20°55'32"	2°51'53"	730.44	369.33
		NORTHING	1840917.31	1841172.01	1839468.97	1841314.39		RIGHT			
		EASTING	6677713.45	6677980.91	6679092.70	6678321.70					
ROAD 24 REALIGNMENT "RD 24"	311-01	STATION	13+01.85	24+70.25		31+54.79	1,200.00	88°28'17"	4°46'29"	1,852.94	1,168.40
		NORTHING	1842114.13	1840945.76	1842122.67	1840922.90		LEFT			
		EASTING	6675261.67	6675269.98	6676461.64	6676438.16					
	311-02	STATION	35+52.49	37+81.87		39+87.13	550.00	45°16'44"	10°25'03"	434.65	229.39
		NORTHING	1840915.12	1840910.63	1840365.22	1840744.52		RIGHT			
		EASTING	6676835.79	6677065.13	6676825.03	6677223.32					
AVENUE 20 "AVE 20"	320-01	STATION	11+69.34	14+64.90		17+28.66	700.00	45°46'52"	8°11'06"	559.32	295.56
		NORTHING	1837282.83	1837284.39	1836582.84	1837073.66		RIGHT			
		EASTING	6678557.18	6678852.73	6678560.87	6679059.97					
	320-02	STATION	36+78.85	39+59.61		42+12.86	700.00	43°42'35"	8°11'06"	534.01	280.76
		NORTHING	1835683.20	1835483.02	1835192.38	1835202.30		RIGHT			
		EASTING	6680427.38	6680624.24	6679928.29	6680628.22					
VISTA AVENUE/ROAD 13 REALIGNMENT "VISTA AV" LINE	470-01	STATION	112+46.35	115+35.02		118+16.72	1,500.00	21°47'11"	3°49'11"	570.36	288.67
		NORTHING	1873944.61	1874233.28	1873937.52	1874500.82		LEFT			
		EASTING	6616773.38	6616772.01	6615273.40	6616663.61					
	470-02	STATION	122+74.47	127+94.78		132+56.36	1,200.00	46°52'55"	4°46'29"	981.89	520.31
		NORTHING	1874925.07	1875407.29	1875375.71	1875879.52		RIGHT			
		EASTING	6616491.71	6616296.32	6617603.88	6616514.76					
	470-03	STATION	135+77.46	138+44.54		141+03.06	1,200.00	25°05'44"	4°46'29"	525.60	267.08
		NORTHING	1876170.95	1876413.35	1876674.76	1876680.43		LEFT			
		EASTING	6616649.57	6616761.70	6615560.45	6616760.44					
ROAD 13 REALIGNMENT "RD 13"	640-01	STATION	79+26.46	83+28.04		87+24.88	3,000.00	15°14'56"	1°54'35"	798.43	401.59
		NORTHING	1862557.57	1862945.47	1863334.02	1863347.05		LEFT			
		EASTING	6616721.01	6616824.95	6613823.23	6616823.21					

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
GEOMETRY DATA TABLE  
SHEET 6 OF 6



CONTRACT NO. HSR05-05
DRAWING NO. CV-B0065-A
SCALE NO SCALE
SHEET NO.

p0042226 12-MAR-2016 09:40 MF-CV-B0070-A.dgn

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Electrical Utility >60KV	JVC-2	Electric Overhead	115 KV, crossing at Eastside Bypass	5786+10	High Risk	CV-S1080-A to CV-S1090-A
	JVC-3	Electric Overhead	70 KV, west side of Road 4 / Lincoln Road	5945+70		CV-S1110-A
	WYH-1	Electric Overhead	115 KV, east side of Road 11	6315+85		CV-S1180-A
				36315+85		CV-S1620-A
	WYH-2	Electric Overhead	115 KV, west side of Road 13	6420+35		CV-S1200-A
				36452+10 to 36503+80		CV-S1640-A to CV-1650-A
	WYH-15	Electric Overhead	115 KV, south side of Avenue 26	15233+50 to 15239+50		CV-S1460-A
				36528+75 to 36535+10		CV-S1660-A
Natural Gas Line	WYH-7	Electric Overhead	230 KV	6883+50 to 6930+85	High Risk	CV-S1280-A to CV-S1290-A
	WYH-16	Electric Overhead	115 KV, north side of Sandy Mush Road	15467+80		CV-S1500-A
	G30	Natural Gas	12", west side of UPRR	15476+75 to 15655+00	High Risk	CV-S1500-A to CV-S1530-A
	G52	Natural Gas	8" line on west side of Fairmead Blvd	6718+10		CV-S1250-A
	G51	Natural Gas	12" line on west side of Fairmead Blvd	6718+25		CV-S1250-A
	WYH-8	Natural Gas	4" feeder main on west side of Road 22	6905+20		CV-S1280-A to CV-S1291-A
	WYH-8	Natural Gas	4" feeder main on north side of Avenue 22	6938+90		CV-S1290-A
	G4	Natural Gas	4" feeder line at unknown location on west side of Road 4 (Lincoln Rd)	Approximately 5946+35		CV-S1110-A
Petroleum Products	JVC-8	Challenger Pipeline	8-inch, high pressure natural gas gathering steel line on east side of Harmon Road.	5724+30	Low Risk	CV-S1070-A
Water Infrastructure	P2	Petroleum	12.75" OD 0.219" WT X-60 high pressure, east side of UPRR ROW	6717+85		CV-S1250-A
	JVC-65	Irrigation Ditch #40	Unknown flow, irrigation infrastructure	5348+00		CV-S1010-A
	JVC-66	West San Juan Drain No. 1	Max flow - 20 cfs, irrigation infrastructure	5361+10		CV-S1010-A
	JVC-137	Irrigation Ditch #41	Unknown flow, irrigation infrastructure	5378+70		CV-S1010-A
	JVC-38	Irrigation Ditch #42		5391+70		CV-S1010-A
	JVC-39	San Juan Canal	Max flow - 80 cfs, irrigation infrastructure	5399+50		CV-S1020-A
	JVC-40	San Juan Drain	Unknown flow, irrigation infrastructure	5419+00		CV-S1020-A
	JVC-85	Irrigation Ditch #43	Max flow - 80 cfs, irrigation infrastructure	5427+90		CV-S1020-A

NOTES:

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2. REFER TO THE 15% UTILITY REPORT FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO THE 15% HYDROLOGY AND HYDRAULICS REPORT FOR ADDITIONAL WATER CROSSING INFORMATION.



						DESIGNED BY D.SCHWANIK	RECORD SET 15% DESIGN SUBMITTAL  NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE UTILITY CONFLICT TABLE SHEET 1 OF 4	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-B0070-A
						CHECKED BY A. GURA					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 02/13/2015					
REV	DATE	BY	CHK	APP	DESCRIPTION						

p0042226 12-MAR-2016 09:44 MF-CV-B0071-A.dgn

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-41	Temple Santa Rita Canal	Unknown flow, irrigation infrastructure	5436+95	Low Risk	CV-S1020-A
	JVC-42	West Santa Rita Drain		5446+30		CV-S1020-A
	JVC-67	Drain No. 2		5494+60		CV-S1030-A
	JVC-68	Escano Branch Ditch		5496+90		CV-S1030-A
	JVC-85	Drain No. 3		5509+15		CV-S1040-A
	JVC-45	Orchard Ditch		5521+70		CV-S1040-A
	JVC-70	Santa Rita Slough		5522+75		CV-S1040-A
	JVC-71	Santa Rita Drain No. 1		5527+90		CV-S1040-A
	JVC-72	Drain No. 4		5535+55		CV-S1040-A
	JVC-73	Santa Rita Drain No. 1A		5544+75		CV-S1040-A
	JVC-86	Drain No. 5		5564+20		CV-S1050-A
	JVC-88	Santa Rita Ditch		5564+75		CV-S1050-A
	JVC-87	Island Field		5573+20		CV-S1050-A
	JVC-12	Lucerne Ditch		5594+40		CV-S1050-A
	JVC-148	Historical Wood Slough		5596+00 to 5596+75		CV-S1050-A
	JVC-13	Wood Slough		5623+55		CV-S1060-A
	JVC-147	Irrigation Ditch #57		5646+00		CV-S1060-A
	JVC-74	Riverside Canal	Max flow - 40 cfs, irrigation infrastructure	5666+55		CV-S1060-A
	JVC-98	San Joaquin River	N/A	5567+20 to 5570+40		CV-S1060-A
	JVC-101	Mariposa Slough		5685+85		CV-S1070-A
	JVC-15	Eastside Bypass		5772+10 to 5783+85		CV-S1080-A
	JVC-46	Chowchilla Canal	Unknown flow, concrete lined irrigation infrastructure	5976+00		CV-S1120-A
	JVC-77	Ash Slough	N/A	6276+40 to 6282+40		CV-S1170-A
				36276+50 to 36282+75		CV-S1610-A

NOTES:

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3. REFER TO THE 15% HYDROLOGY AND HYDRAULICS REPORT FOR ADDITIONAL WATER CROSSING INFORMATION.



						DESIGNED BY D.SCHWANIK	<b>RECORD SET 15% DESIGN SUBMITTAL</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE UTILITY CONFLICT TABLE SHEET 2 OF 4	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-B0071-A
						CHECKED BY A. GURA					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 02/13/2015					
REV	DATE	BY	CHK	APP	DESCRIPTION						

12-MAR-2016 09:36 MF-CV-B0072-A.dgn

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-80	Road 11 Canal	Max flow - 24 cfs, irrigation infrastructure	6316+30	Low Risk	CV-S1180-A
				36316+15		CV-S1620-A
	JVC-82	Bethel Canal	Max flow - 40 cfs, irrigation infrastructure	6406+55		CV-S1200-A
	JVC-133	Berenda Canal	Max flow - 875 cfs, irrigation infrastructure	6478+40		CV-S1210-A
	JVC-120	Berenda Pipeline	42" M.C.P., Unknown flow, buried irrigation infrastructure, east side of Road 15	6526+85		CV-S1220-A
				15022+80		CV-S1420-A
	JVC-111	Berenda Slough	N/A	6544+00 to 6547+65		CV-S1220-A
				15002+35 to 15005+90		CV-S1420-A
	JVC-113	Califa Canal	Unknown flow, irrigation infrastructure	6737+80		CV-S1250-A
	WYH-17	Lat 32.2	Max flow - 600 cfs, irrigation infrastructure	6876+70		CV-S1280-A
	JVC-130	Berenda Creek	N/A	7011+10 to 7011+55		CV-S1300-A
	JVC-129	24.2-8.9-1.0	Max flow - 320 cfs, irrigation infrastructure	7098+35		CV-S1320-A
	JVC-143	24.2-8.9	Unknown flow, irrigation infrastructure	7117+00		CV-S1320-A
	JVC-134	Dry Creek	N/A	7129+75 to 7130+60		CV-S1320-A to CV-S1330-A
	JVC-131	24.2	Max flow - 990 cfs, irrigation infrastructure	7168+00		CV-S1330-A
	JVC-133	Berenda Canal	Max flow - 875 cfs, irrigation infrastructure	15066+50		CV-S1430-A
	JVC-115	Malti P.L.	M.C.P.; Unknown flow, buried irrigation infrastructure	15094+55		CV-S1430-A
	JVC-106	Ash Main Canal	Unknown flow, irrigation infrastructure	15213+70		CV-S1450-A
				36509+05		CV-S1650-A
	JVC-77	Ash Slough	N/A	15214+25 to 15217+80		CV-S1450-A
				36509+60 to 36513+05		CV-S1650-A
	JVC-106	Ash Main Canal	Unknown flow, irrigation infrastructure	15217+20		CV-S1450-A
				36512+90		CV-S1650-A

NOTES:

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						DESIGNED BY D.SCHWANIK	RECORD SET 15% DESIGN SUBMITTAL  NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE UTILITY CONFLICT TABLE SHEET 3 OF 4	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-B0072-A
						CHECKED BY A. GURA					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 10/30/2015					
REV	DATE	BY	CHK	APP	DESCRIPTION						

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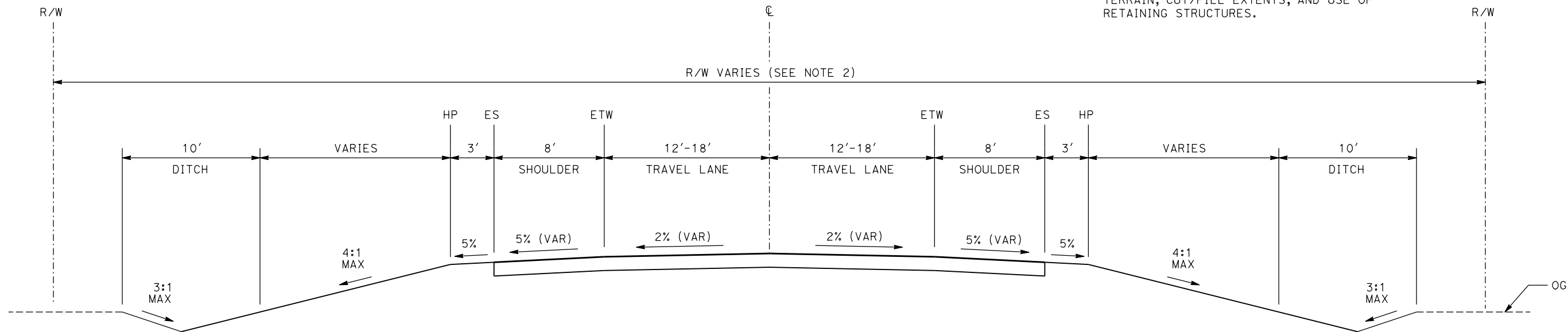
Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-107	Chowchilla River	N/A	15288+00 to 15290+15	Low Risk	CV-S1470-A
	JVC-108	Lat 4	Max flow - 600 cfs, irrigation infrastructure	15307+00		CV-S1470-A
	JVC-145	Lat 3	Max flow - 600 cfs, irrigation infrastructure	15347+25		CV-S1480-A
	JVC-109	Lat 2	Max flow - 600 cfs, irrigation infrastructure, south side of Cross Road	15374+25		CV-S1480-A
	JVC-110	Dutchman Creek	N/A	15436+10		CV-S1490-A
	JVC-105	Deadman’s Creek	N/A	15575+70		CV-S1520-A
	JVC-82	Bethel Canal	Max flow - 40 cfs, irrigation infrastructure	36457+00 to 36470+00		CV-S1640-A to CV-1650-A
	JVC-149	Un-named Delivery Irrigation Canal	Unknown flow, irrigation infrastructure	36455+30		CV-S1640-A
Storm Water Infrastructure	None Found					
Wastewater Infrastructure	None Found					
Communication Facilities	T97	Fiber Optic	Underground Trenched Ducts with Fiber Optic, east side of Fairmead Blvd.	6718+65	Low Risk	CV-S1250-A
	T99	Fiber Optic	Buried cable, south side of Avenue 25	15186+80		CV-S1450-A
				36482+15		CV-S1650-A
	F9	Fiber Optic	Underground 2-2"HDPE, west side of UPRR	6717+45		CV-S1250-A
	F11	Fiber Optic	Underground telephone, west side of UPRR	6717+70		CV-S1250-A
	JVC-56	Copper Cable	Buried cable. Runs North-South on the West side of Elgin Road right-of-way. 12 Pair.	5468+20		CV-S1030-A to CV-S1032-A
	JVC-57	Copper Cable	Buried cable. Runs North-South on the East side of Indiana Road right-of-way. 6 Pair.	5565+00		CV-S1050-A

NOTES:

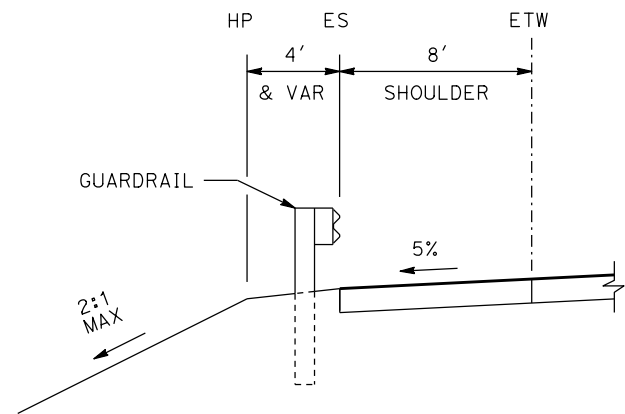
1. ALL CONFLICTS ARE TRANSVERSE UNLESS OTHERWISE NOTED. ALL PIPE SIZES ARE SHOWN IN INCHES IN DIAMETER.
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						DESIGNED BY D.SCHWANIK	<b>RECORD SET 15% DESIGN SUBMITTAL</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE UTILITY CONFLICT TABLE SHEET 4 OF 4	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-B0073-A
						CHECKED BY A. GURA					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 10/30/2015					
REV	DATE	BY	CHK	APP	DESCRIPTION						

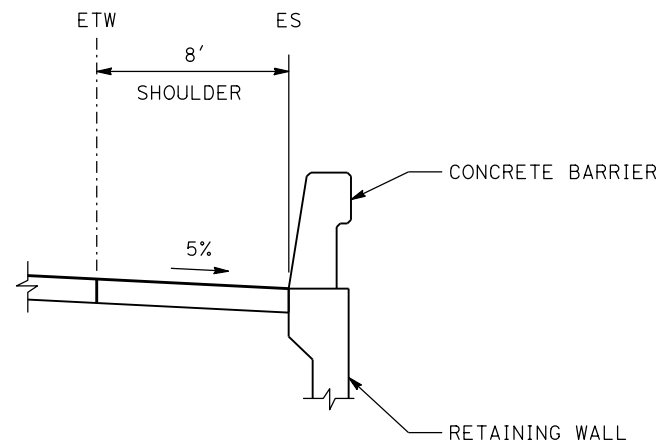
- NOTES:
1. THE DITCH FLOWLINE SHOULD BE LOWER THAN THE ROADWAY STRUCTURAL SECTION.
  2. RIGHT-OF-WAY REQUIRED FOR THE APPROACH TO A GRADE SEPARATION WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, CUT/FILL EXTENTS, AND USE OF RETAINING STRUCTURES.



TYPICAL SECTION  
COUNTY ROADWAY OR STATE HIGHWAY  
"RD 9/HEMLOCK RD" LINE  
"AVE 23 1/2" LINE  
"SR-233/ROBERTSON BLVD" LINE  
"RD 17 1/2" LINE  
"FAIR BLVD" LINE  
"COYOTE RD" LINE  
"CROSS RD" LINE  
"RD 20" LINE  
"RD 22" LINE  
"RD 13" LINE  
"HENRY MILLER RD" LINE  
"INDIANA RD" LINE  
"ROAD 4/LINCOLN RD" LINE  
"AVE 23" LINE  
"FRONTAGE RD" LINE  
"AVE 22" LINE  
"ROAD 24" LINE  
"AVE 20 1/2" LINE  
"AVE 20" LINE



TYPICAL SECTION  
AT STRUCTURE APPROACH



TYPICAL SECTION  
AT RETAINED FILL

MF-CV-B0080-A.dgn

09-MAR-2016 11:17

p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

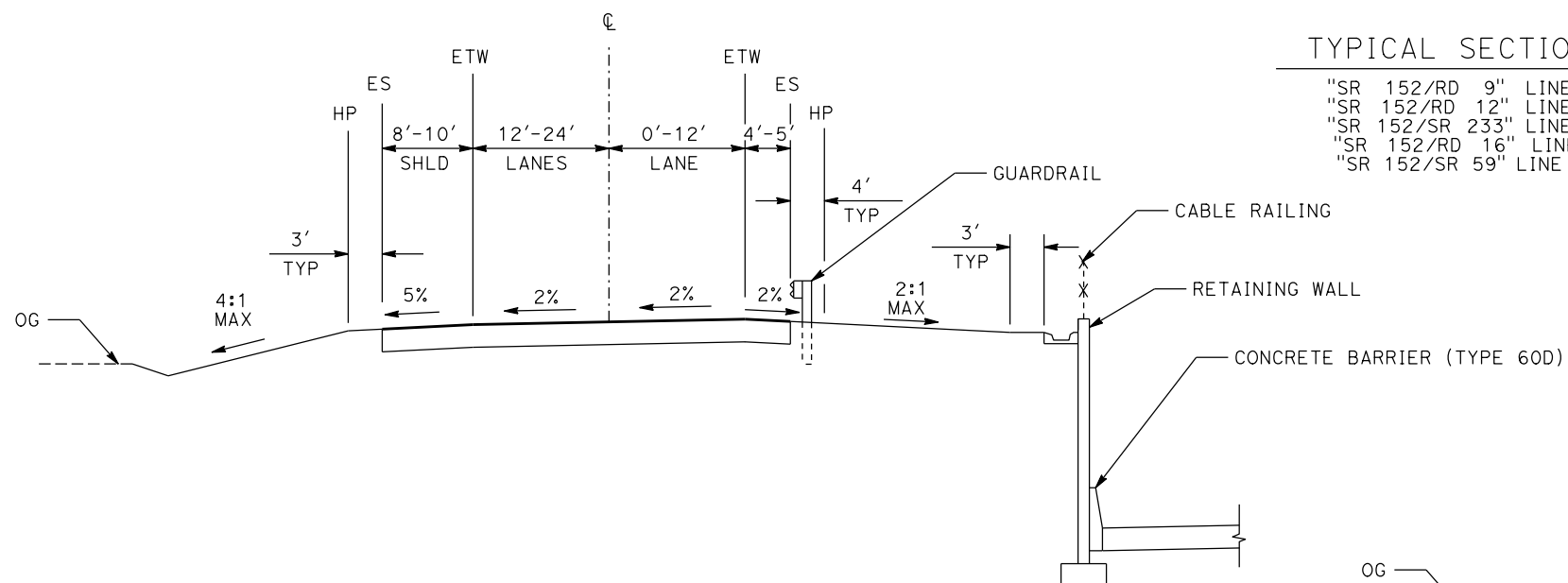


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TYPICAL SECTION  
SHEET 1 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0080-A
SCALE NO SCALE
SHEET NO.

1. THE DITCH FLOWLINE SHOULD BE LOWER THAN THE ROADWAY STRUCTURAL SECTION.
2. RIGHT-OF-WAY REQUIRED FOR THE APPROACH TO A GRADE SEPARATION WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, CUT/FILL EXTENTS, AND USE OF RETAINING STRUCTURES.



"SR 152/RD 9" LINE  
 "SR 152/RD 12" LINE  
 "SR 152/SR 233" LINE  
 "SR 152/RD 16" LINE  
 "SR 152/SR 59" LINE



"EB ON RAMP" LINE @ ROAD 9, SR 59, AND SR 233  
"EB OFF RAMP" LINE @ ROAD 9, SR 59, AND SR 233

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**NOT FOR  
CONSTRUCTION**

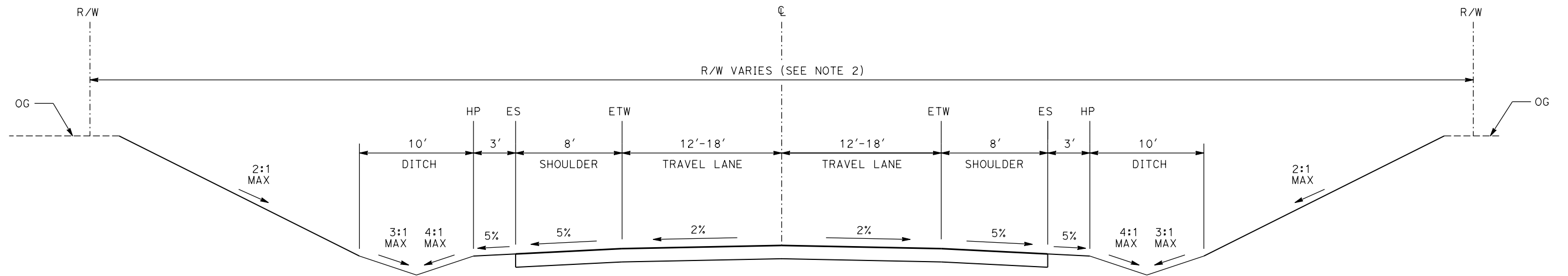


**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TYPICAL SECTION  
SHEET 2 OF 3

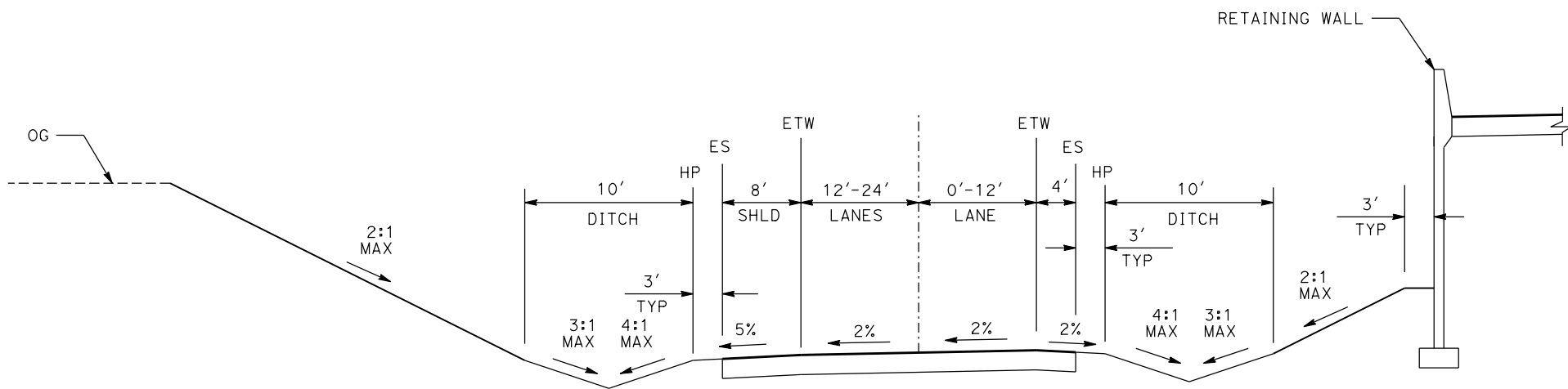
CONTRACT NO. HSR08-05
DRAWING NO. CV-B0081-A
SCALE NO SCALE
SHEET NO.





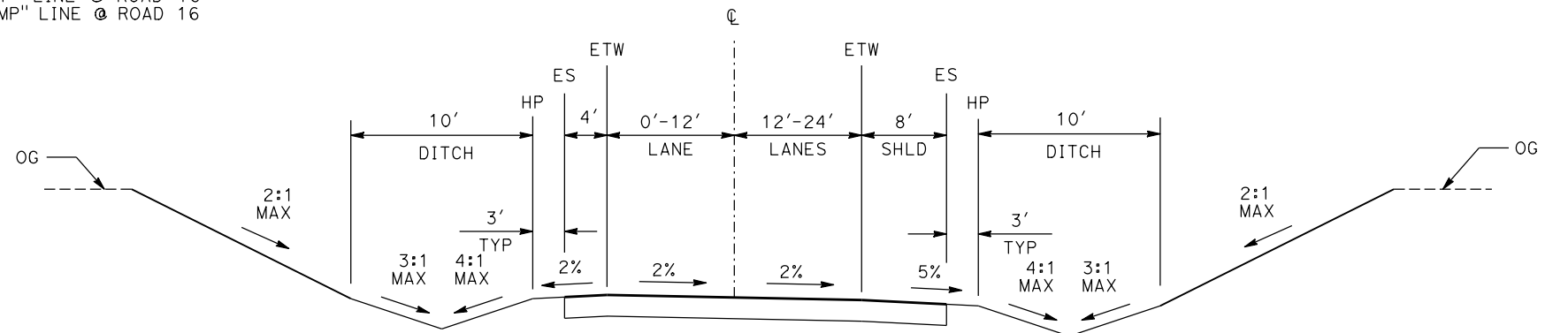
TYPICAL SECTION

"RD 12" LINE  
"RD 16" LINE  
"RD 16 CONNECTOR" LINE  
"AVE 25" LINE



TYPICAL SECTION

"WB ON RAMP" LINE @ ROAD 16  
"WB OFF RAMP" LINE @ ROAD 16



TYPICAL SECTION

"EB ON RAMP" LINE @ ROAD 16  
"EB OFF RAMP" LINE @ ROAD 16

NOTES:

1. THE DITCH FLOWLINE SHOULD BE LOWER THAN THE ROADWAY STRUCTURAL SECTION.
2. RIGHT-OF-WAY REQUIRED FOR THE APPROACH TO A GRADE SEPARATION WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, CUT/FILL EXTENTS, AND USE OF RETAINING STRUCTURES.

MF-CV-B0082-A.dgn

07-SEP-2016 01:21

p0021811

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



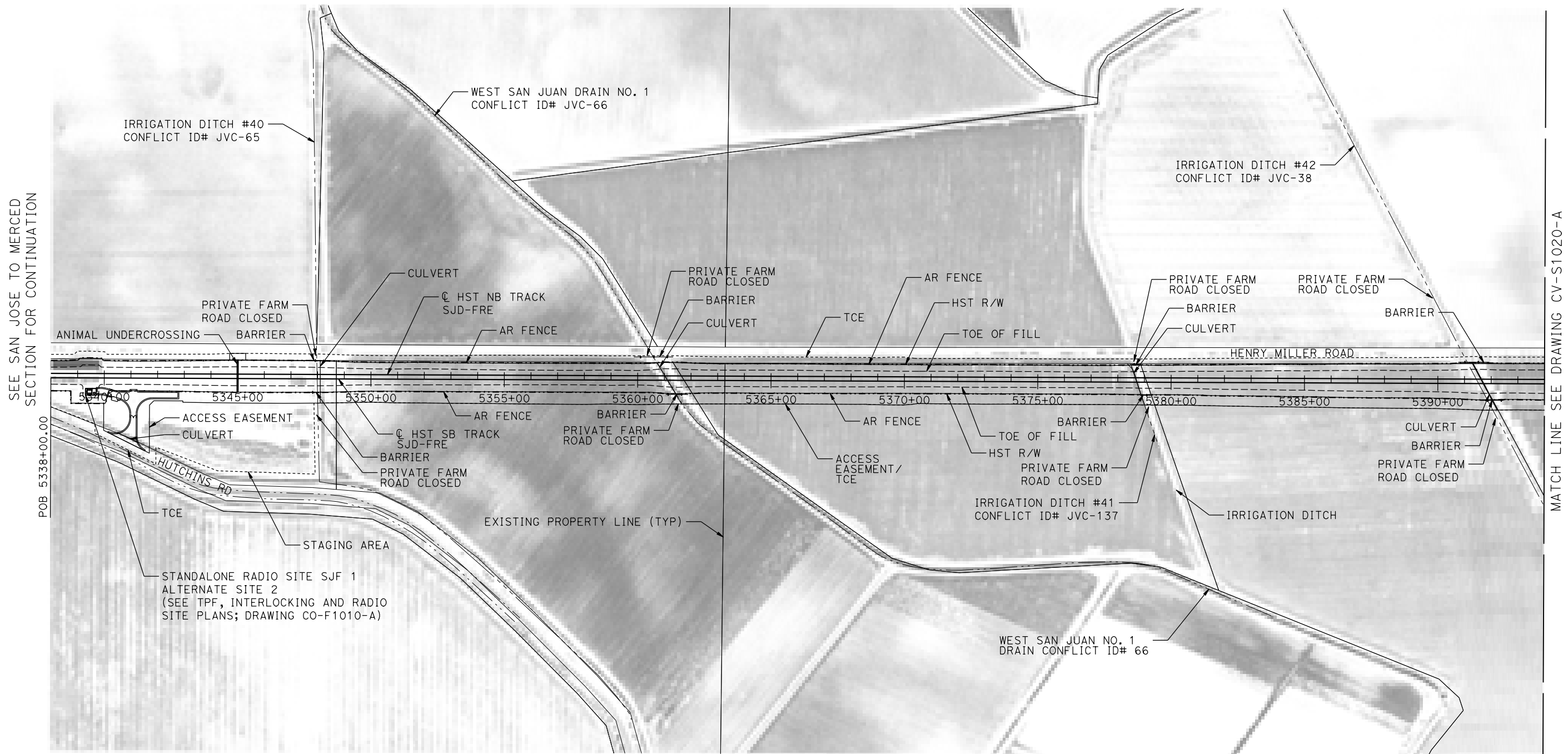
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TYPICAL SECTION  
SHEET 3 OF 3

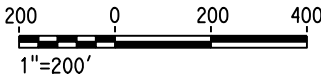
CONTRACT NO. HSR08-05
DRAWING NO. CV-B0082-A
SCALE NO SCALE
SHEET NO.



MERCED COUNTY



PLAN



09-MAR-2016 4:18 MF-CV-S1010-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

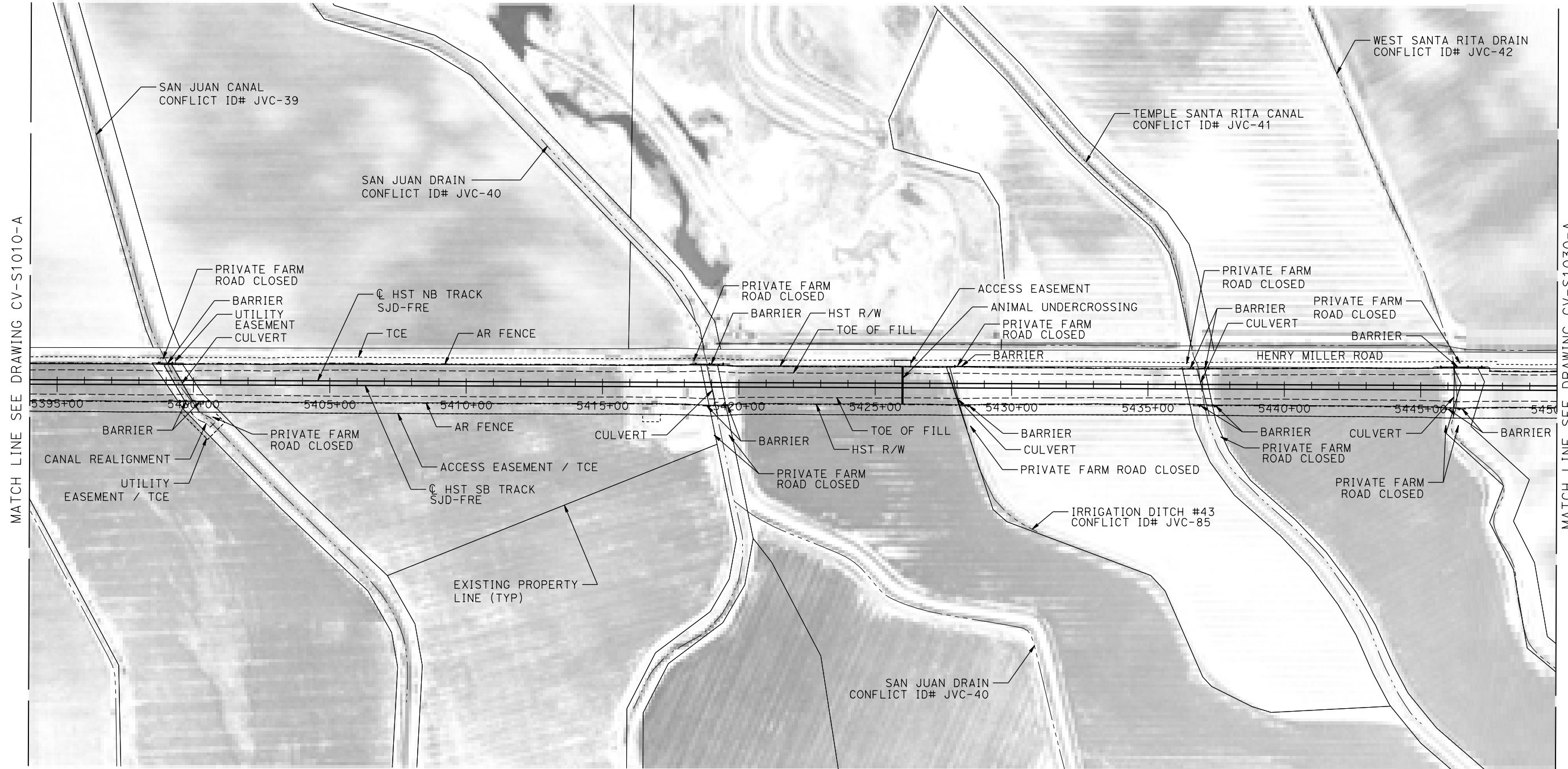


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5338+00 TO 5394+00

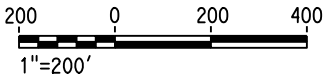
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1010-A
SCALE 1"=200'
SHEET NO.



MERCED COUNTY



PLAN



p0042226 15-MAR-2016 3:34 MF-CV-S1020-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

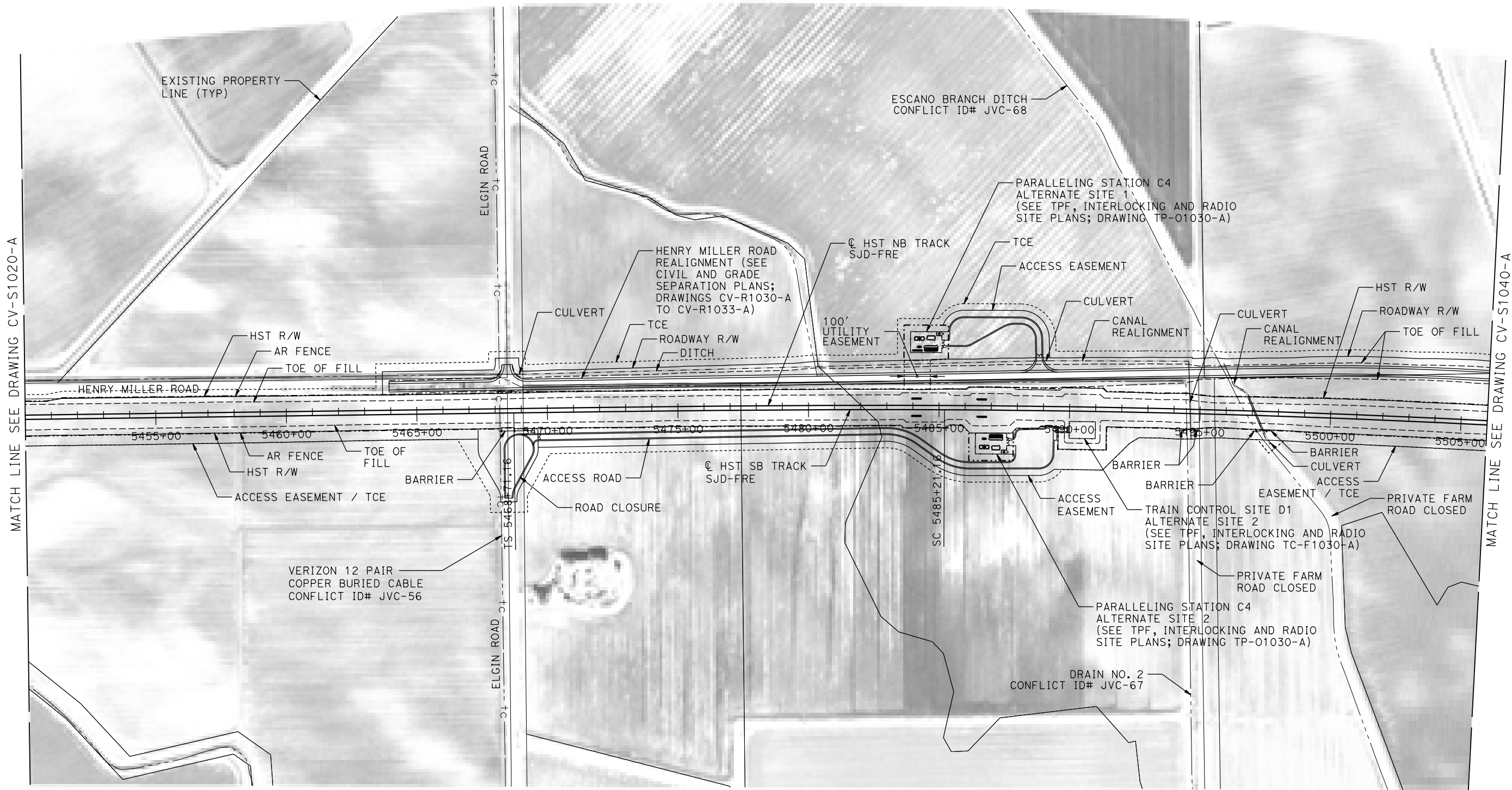
**NOT FOR**  
**CONSTRUCTION**



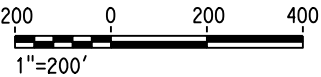
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5394+00 TO 5450+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1020-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MERCED COUNTY



PLAN



p0042226 15-MAR-2016 3:35 MF-CV-S1030-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

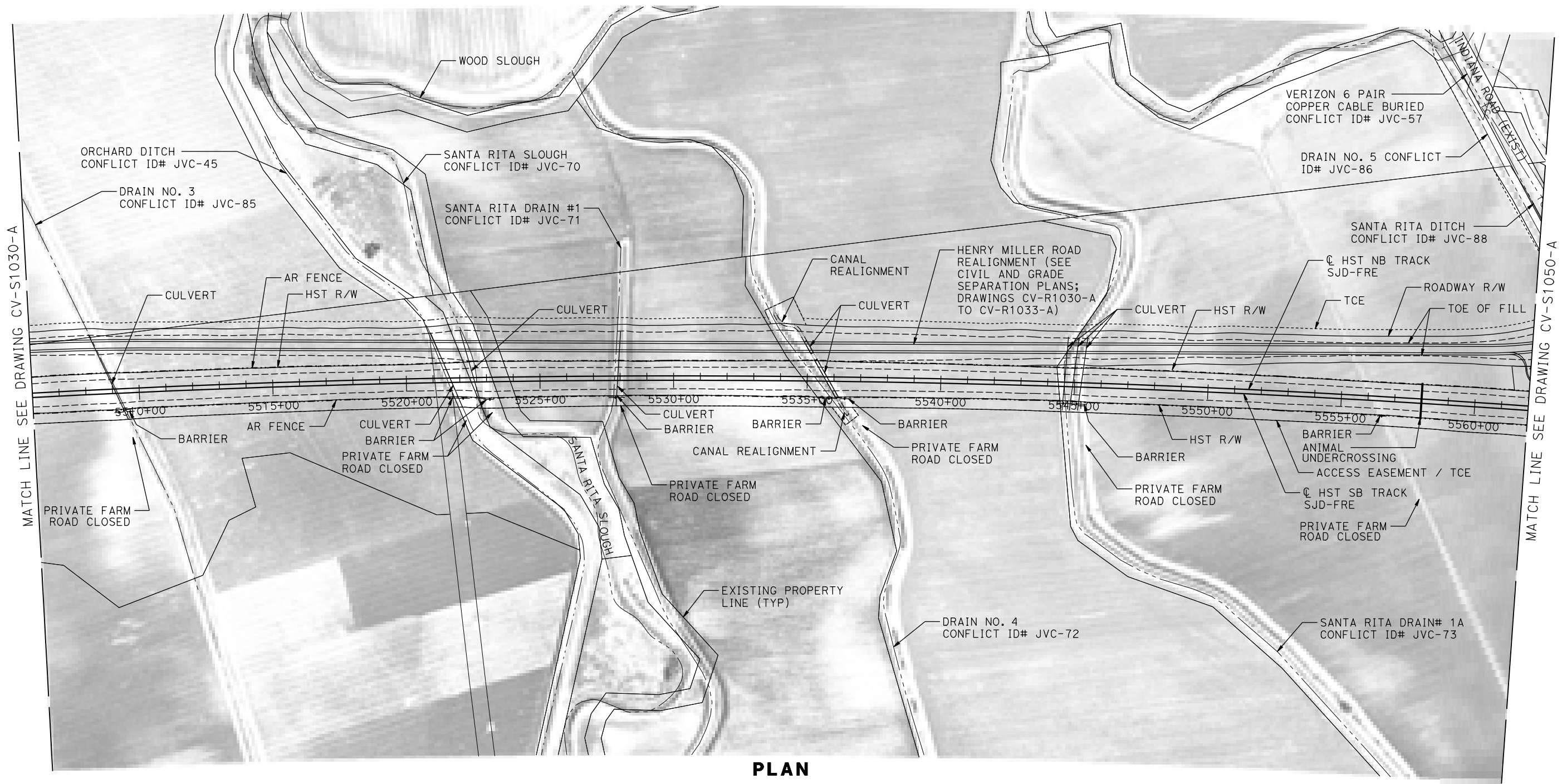
**NOT FOR**  
**CONSTRUCTION**



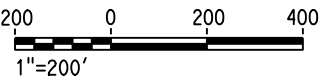
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5450+00 TO 5506+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1030-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MERCED COUNTY



PLAN



p0042226 15-MAR-2016 13:36 MF-CV-S1040-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

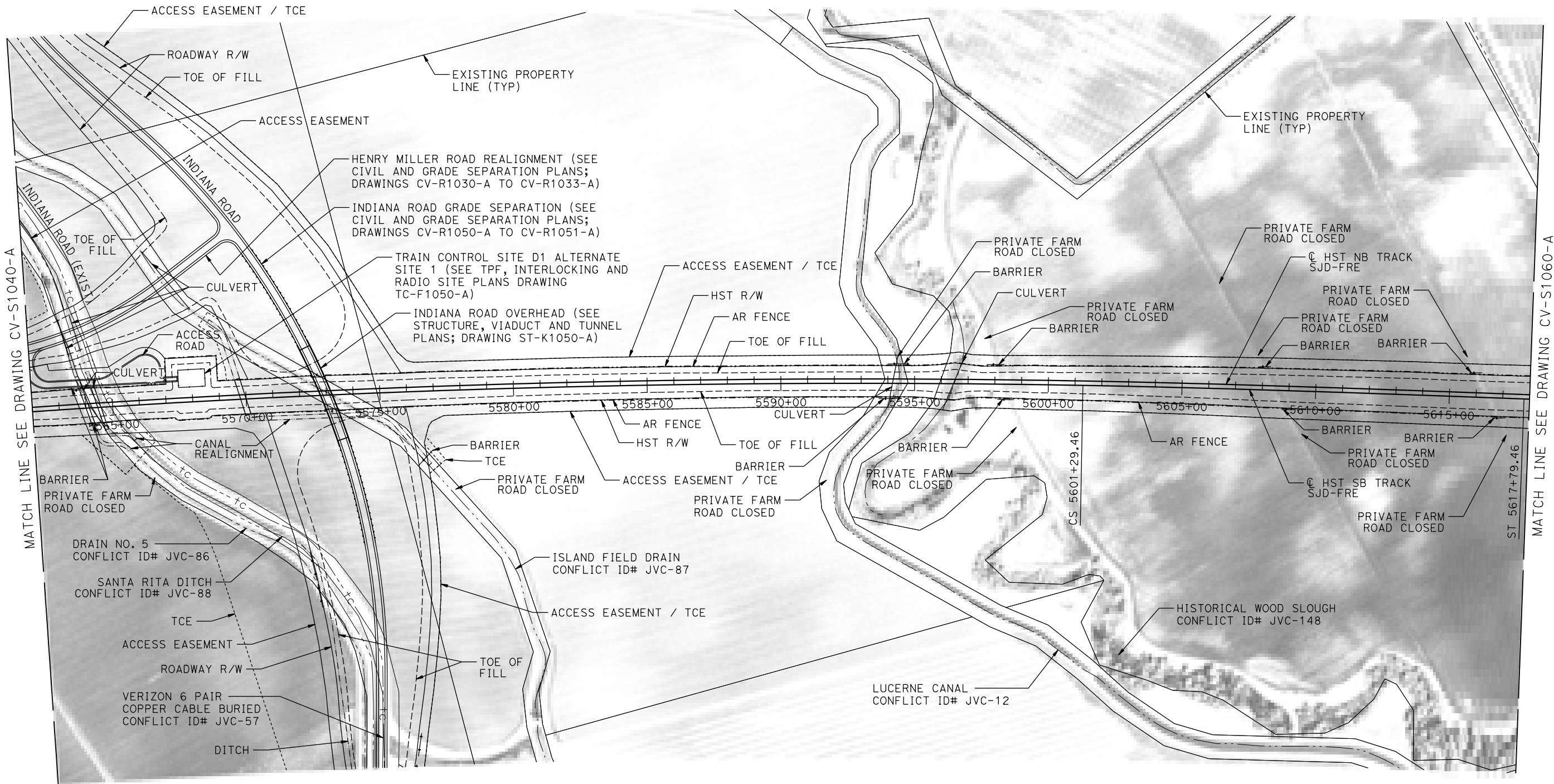
**NOT FOR**  
**CONSTRUCTION**



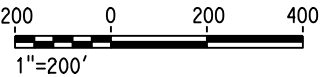
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5506+00 TO 5562+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1040-A
SCALE 1"=200'
SHEET NO.

MERCED COUNTY



PLAN



p0042226 18-MAR-2016 11:04 MF-CV-S1050-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5562+00 TO 5618+00

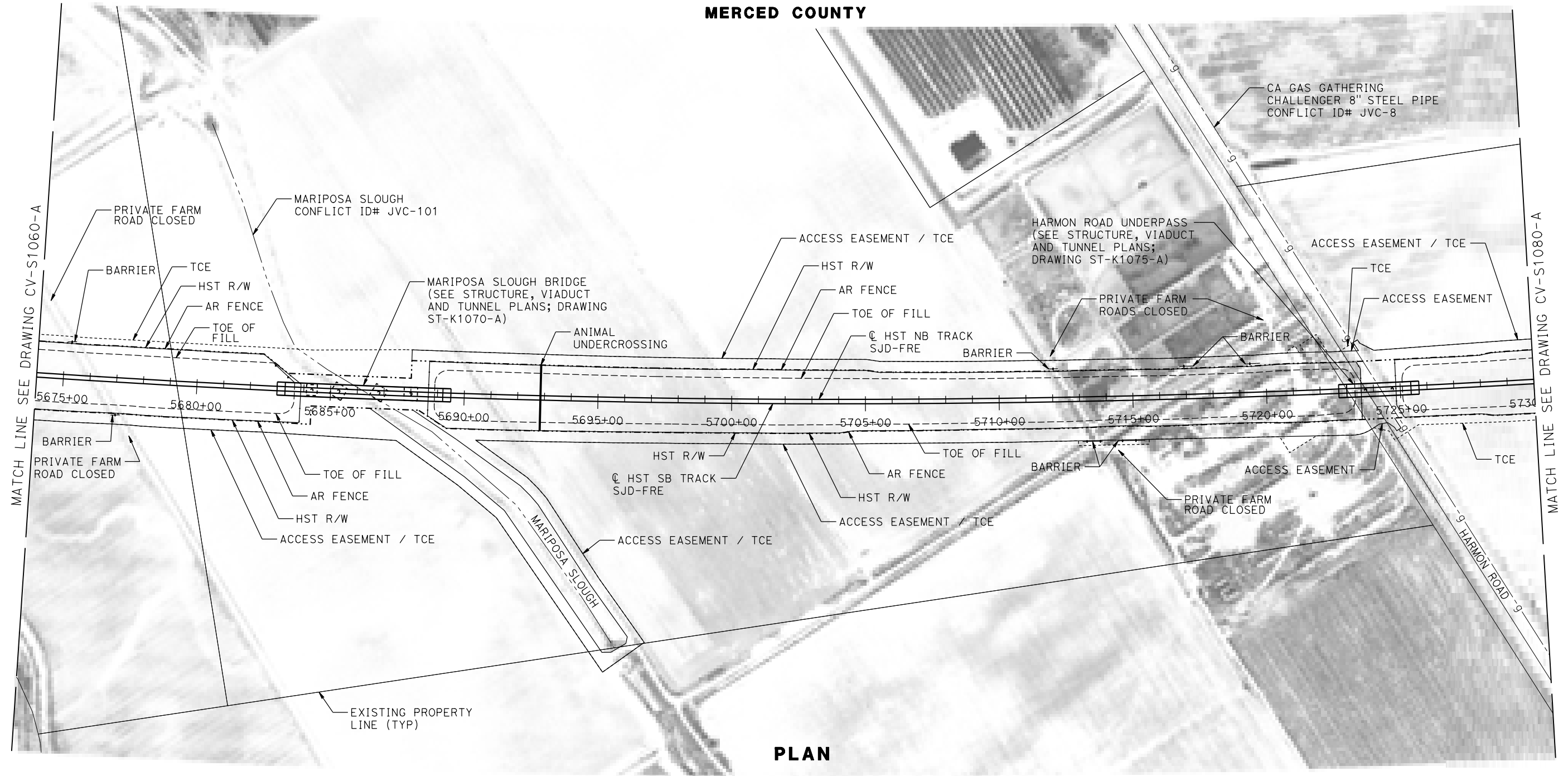
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1050-A
SCALE 1"=200'
SHEET NO.



CONTRACT NO. HSR08-05
DRAWING NO. CV-S1060-A
SCALE 1"=200'
SHEET NO.



MERCED COUNTY



MF-CV-S1070-A.dgn  
09-MAR-2016 4:25  
p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>10/30/2015</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



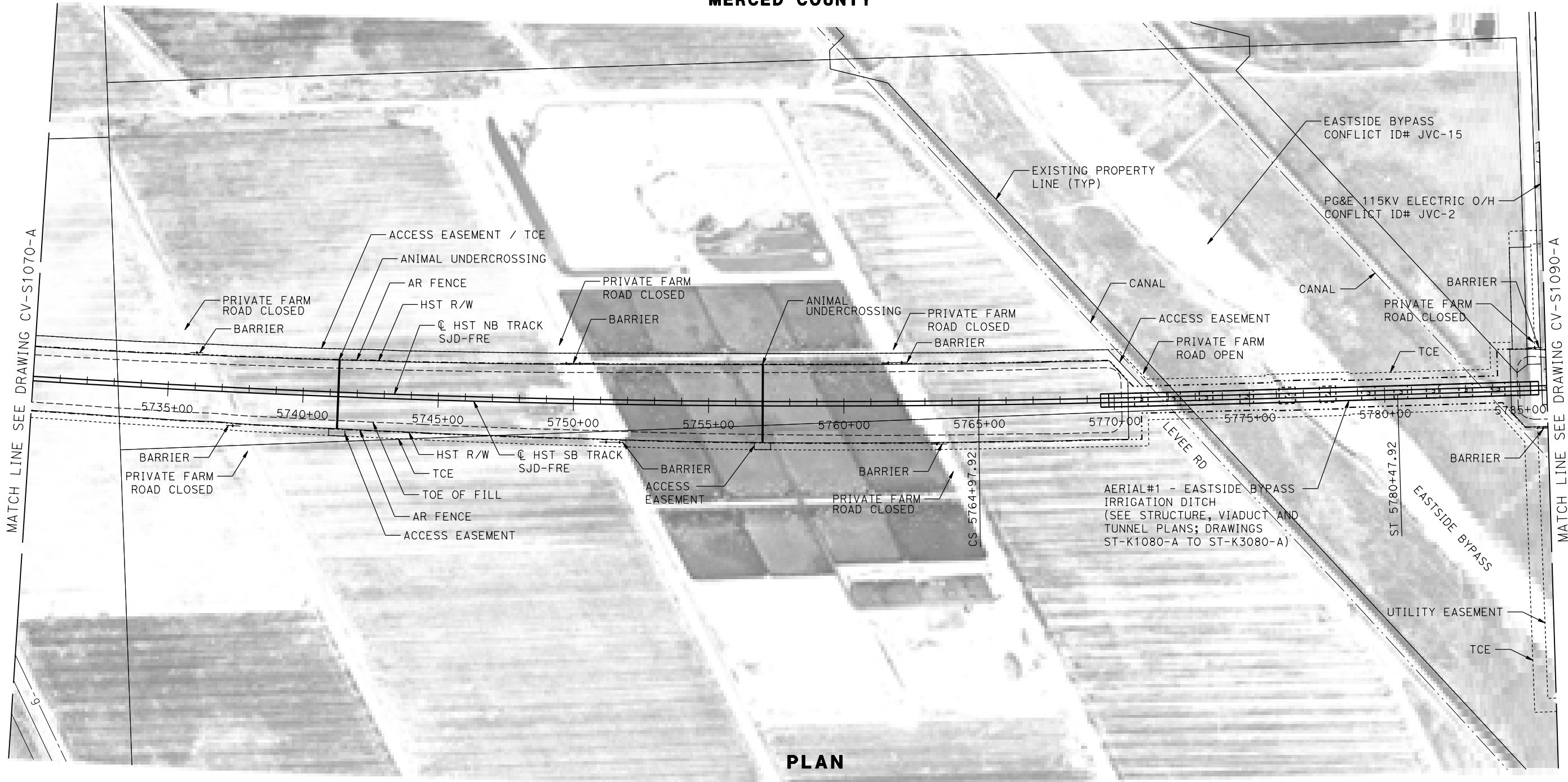
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5674+00 TO 5730+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1070-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

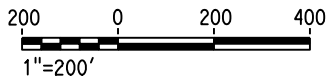




MERCED COUNTY



PLAN



09-MAR-2016 4:26 MF-CV-S1080-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>05/08/2015</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

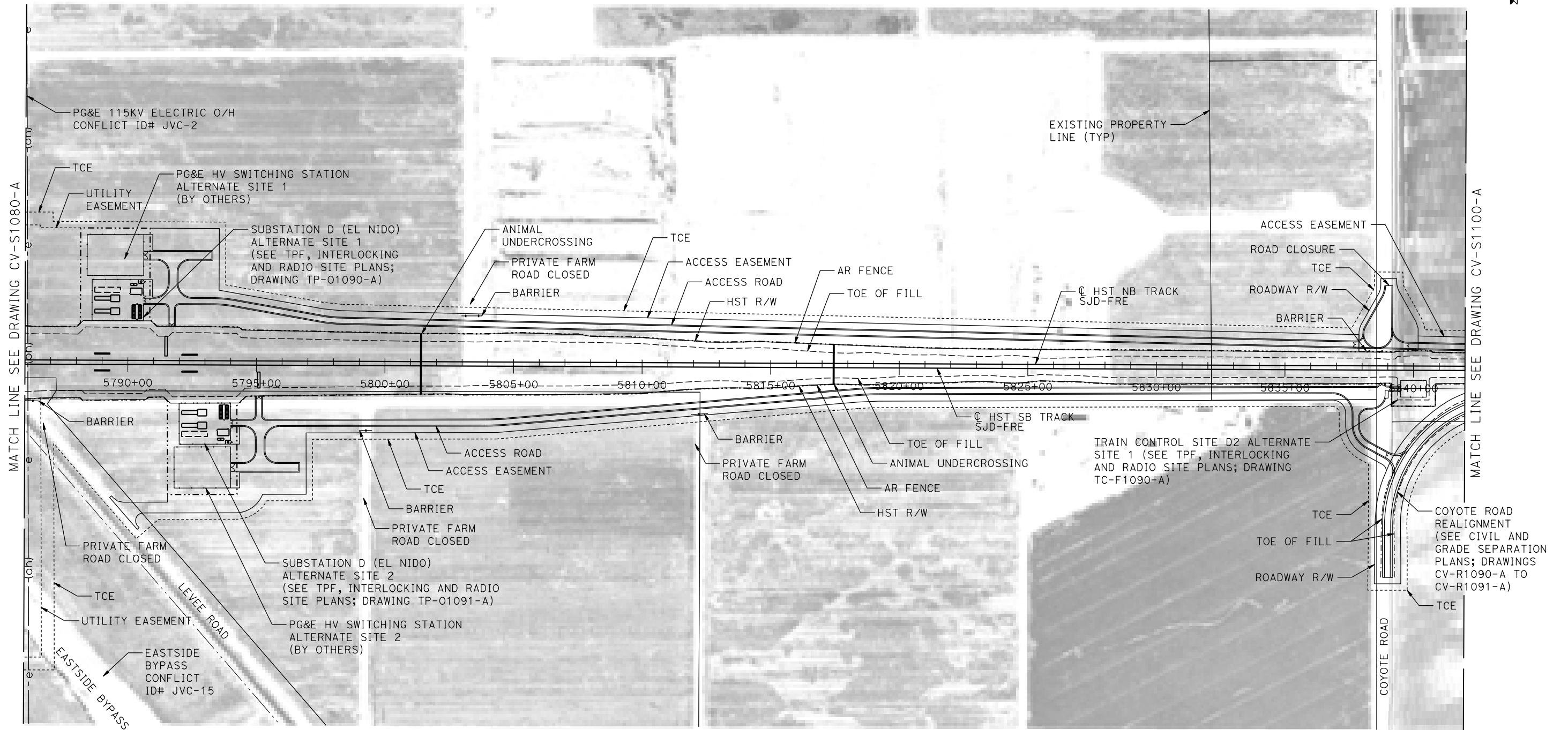
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5730+00 TO 5786+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1080-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MERCED COUNTY



PLAN



09-MAR-2016 4:28 MF-CV-S1090-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

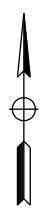
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

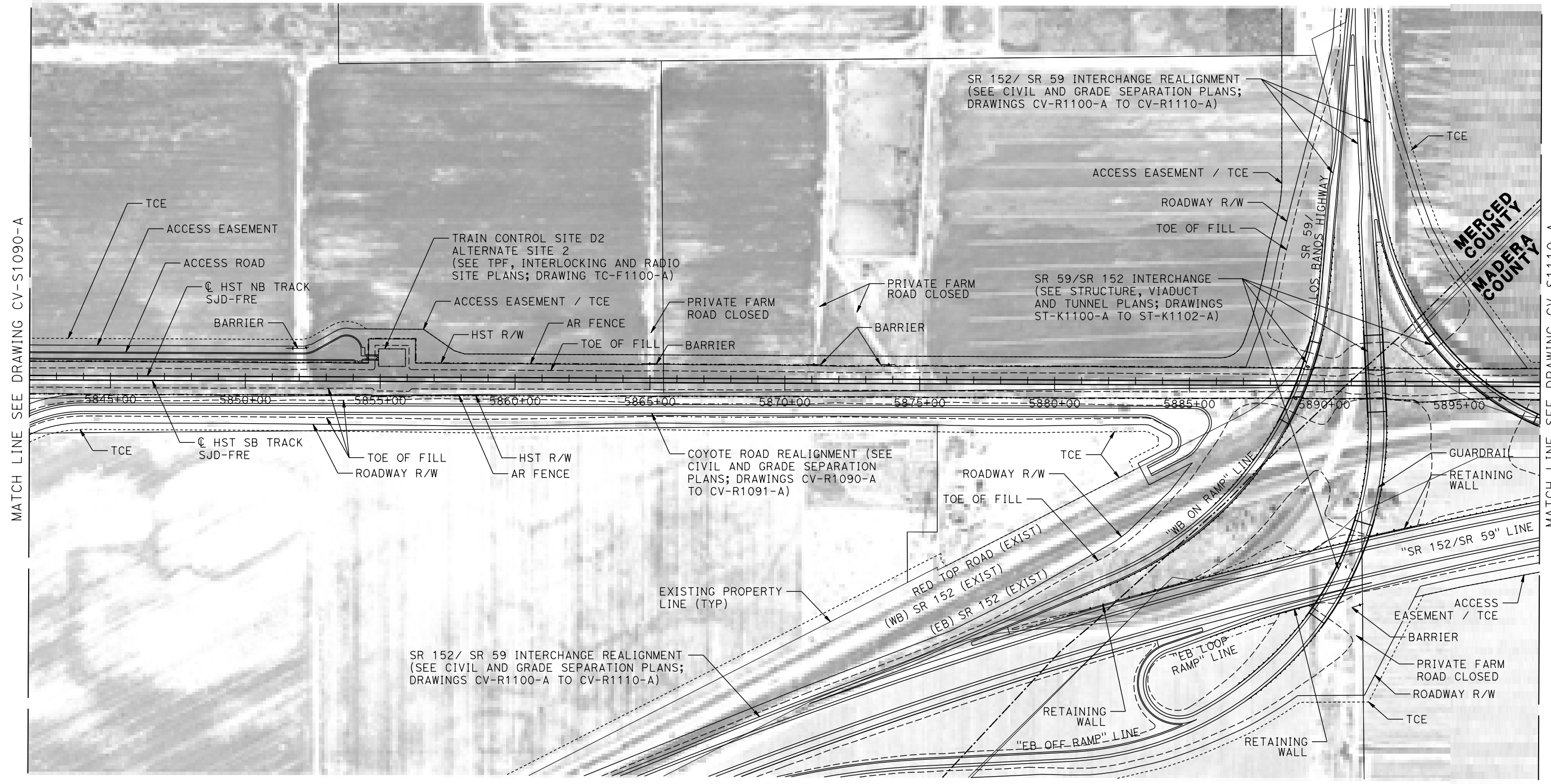


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5786+00 TO 5842+00

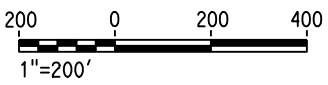
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1090-A
SCALE 1"=200'
SHEET NO.



MERCED COUNTY



PLAN



MF-CV-S1100-A.dgn 15-MAR-2016 3:39 p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

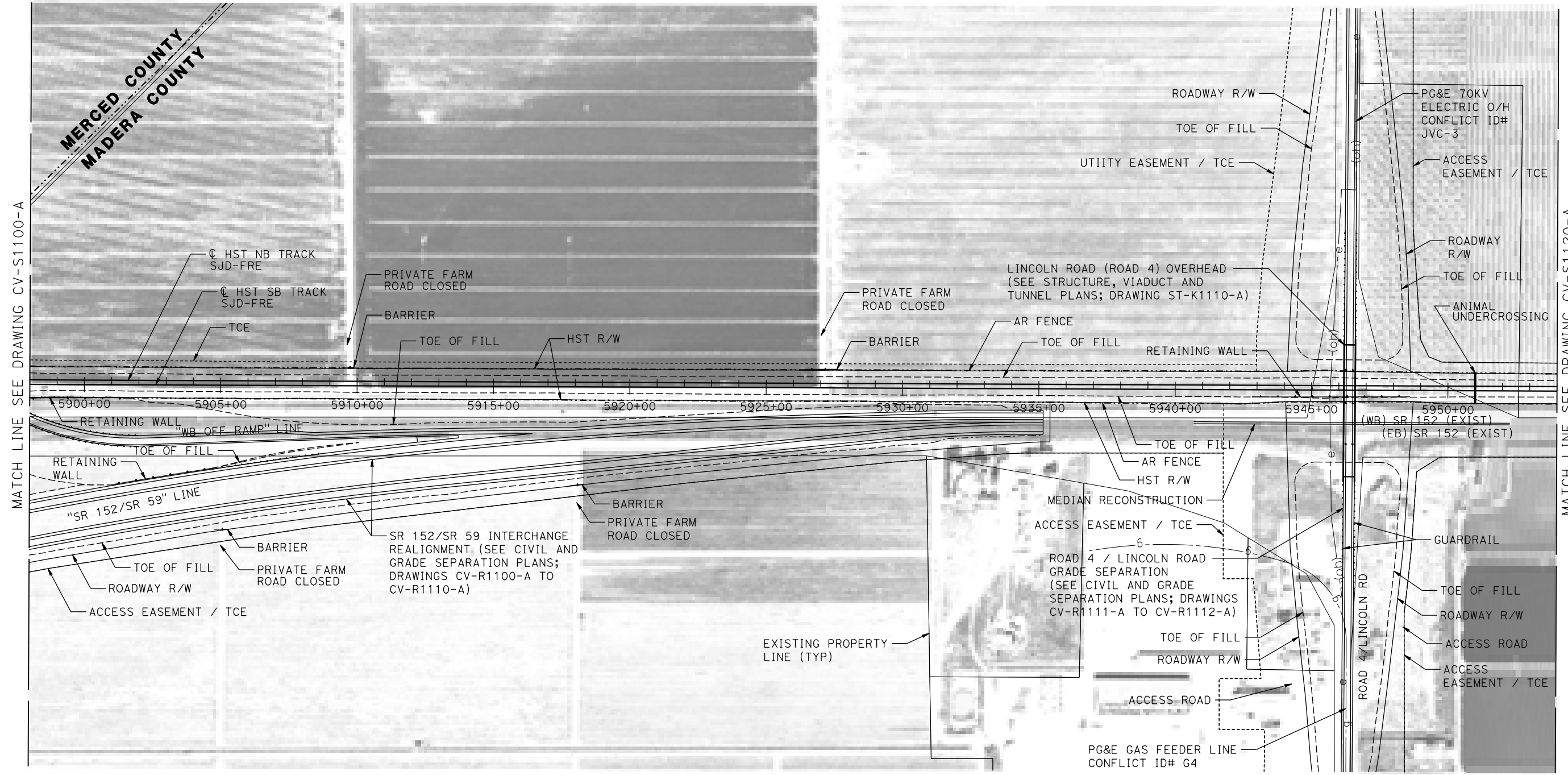
**NOT FOR**  
**CONSTRUCTION**



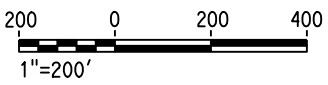
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5842+00 TO 5898+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1100-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY



PLAN



15-MAR-2016 3:40 MF-CV-S1110-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

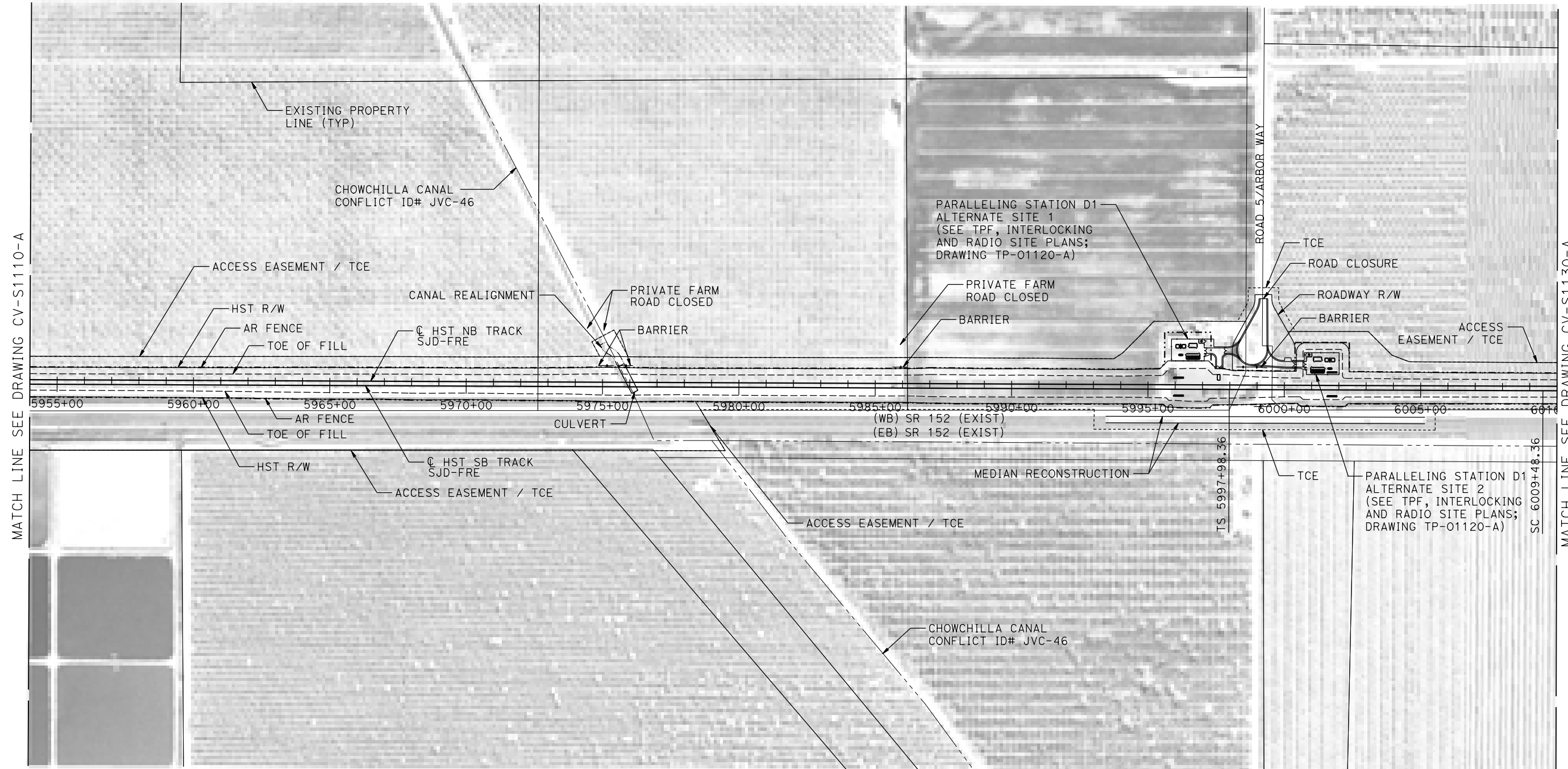


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5898+00 TO 5954+00

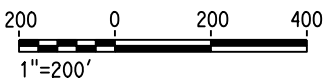
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1110-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



p0042226 15-MAR-2016 3:41 MF-CV-S1120-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

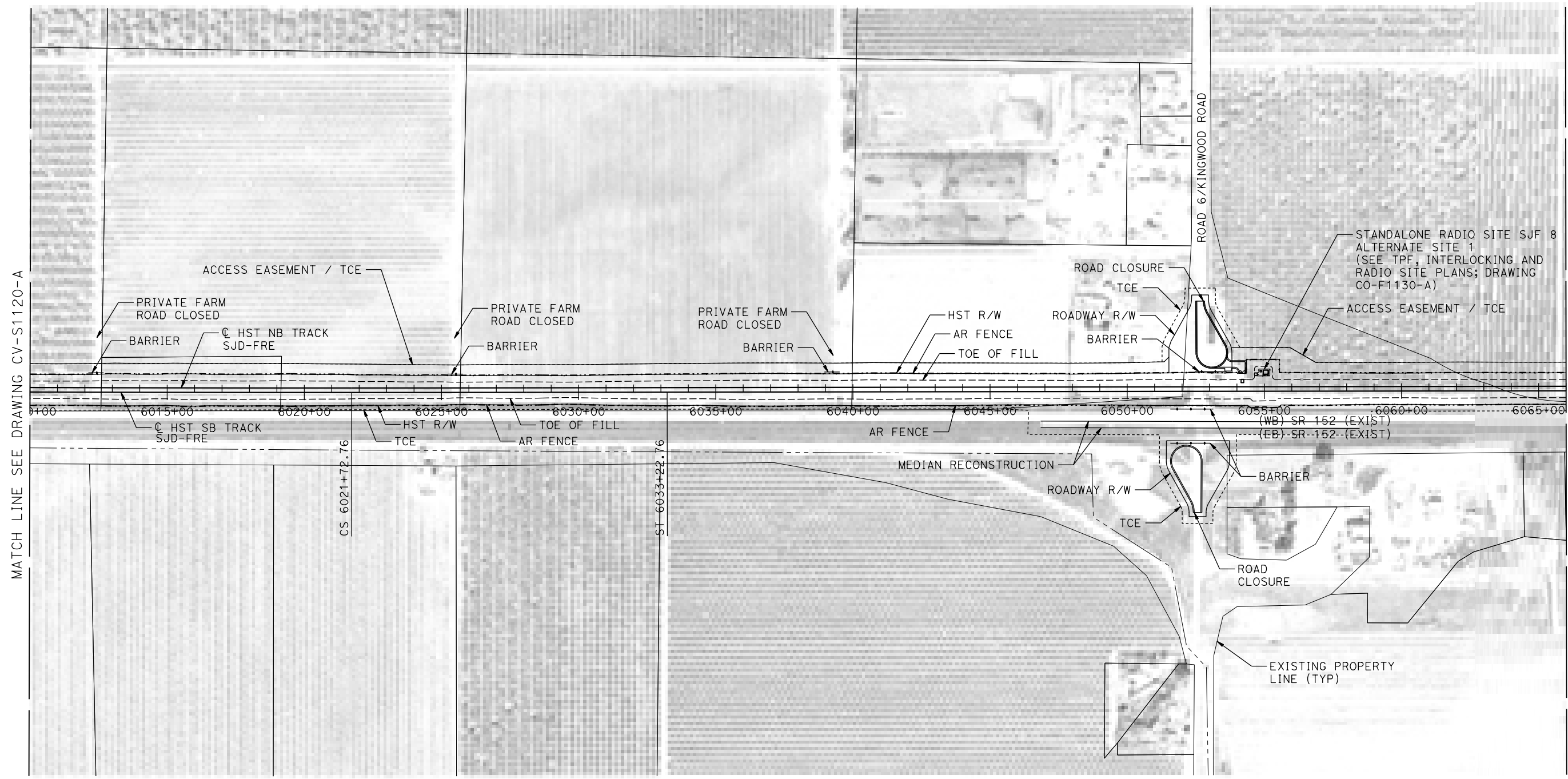
**NOT FOR**  
**CONSTRUCTION**



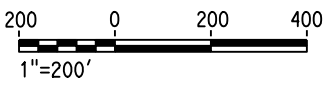
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 5954+00 TO 6010+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1120-A
SCALE 1"=200'
SHEET NO.

MADERA COUNTY



PLAN



16-MAR-2016 2:27 MF-CV-S1130-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

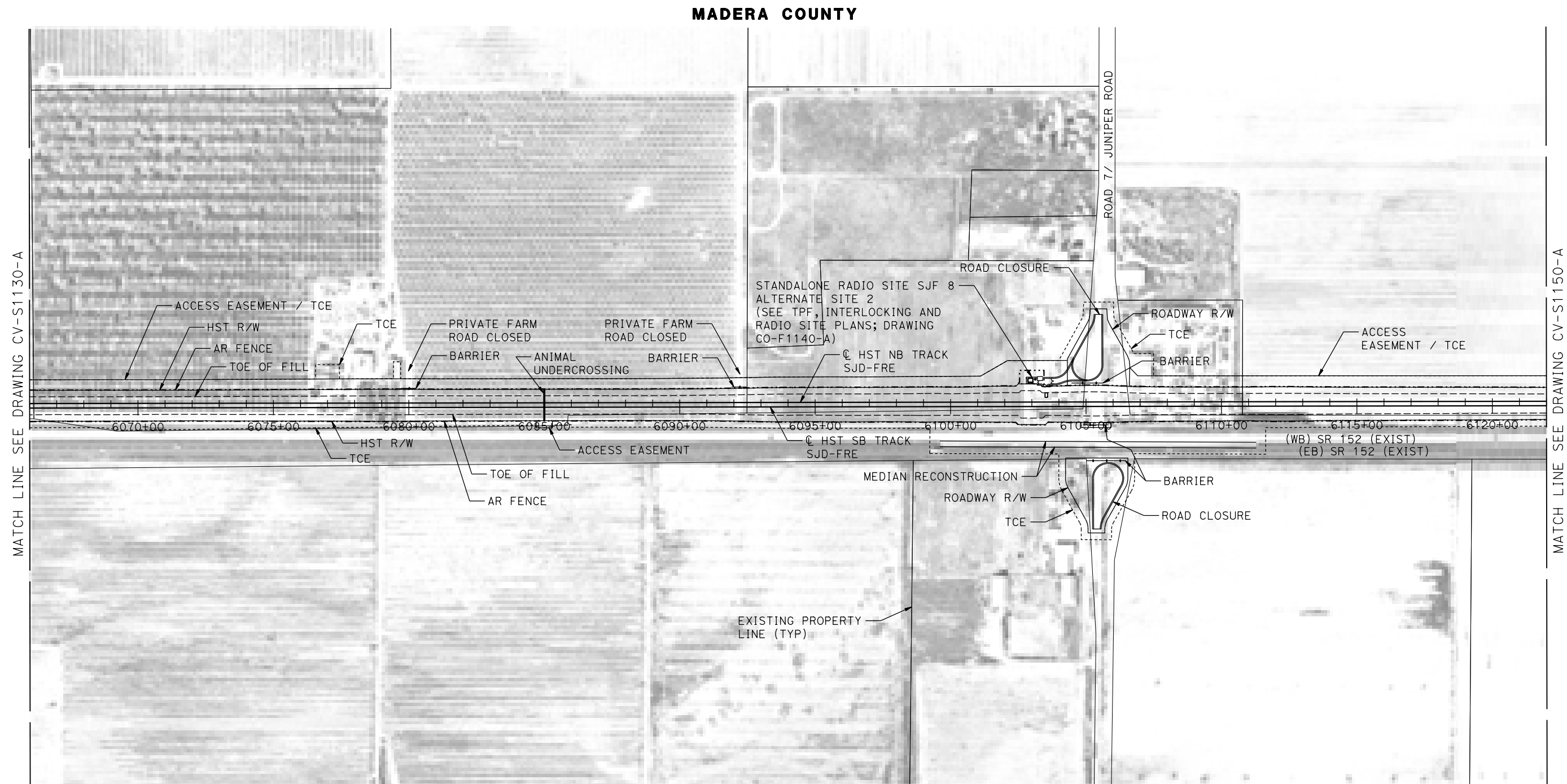


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

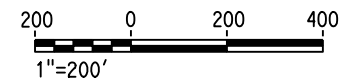
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6010+00 TO 6066+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1130-A
SCALE 1"=200'
SHEET NO.

p0042226 15-MAR-2016 3:43 MF-CV-S1140-A.dgn



**PLAN**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



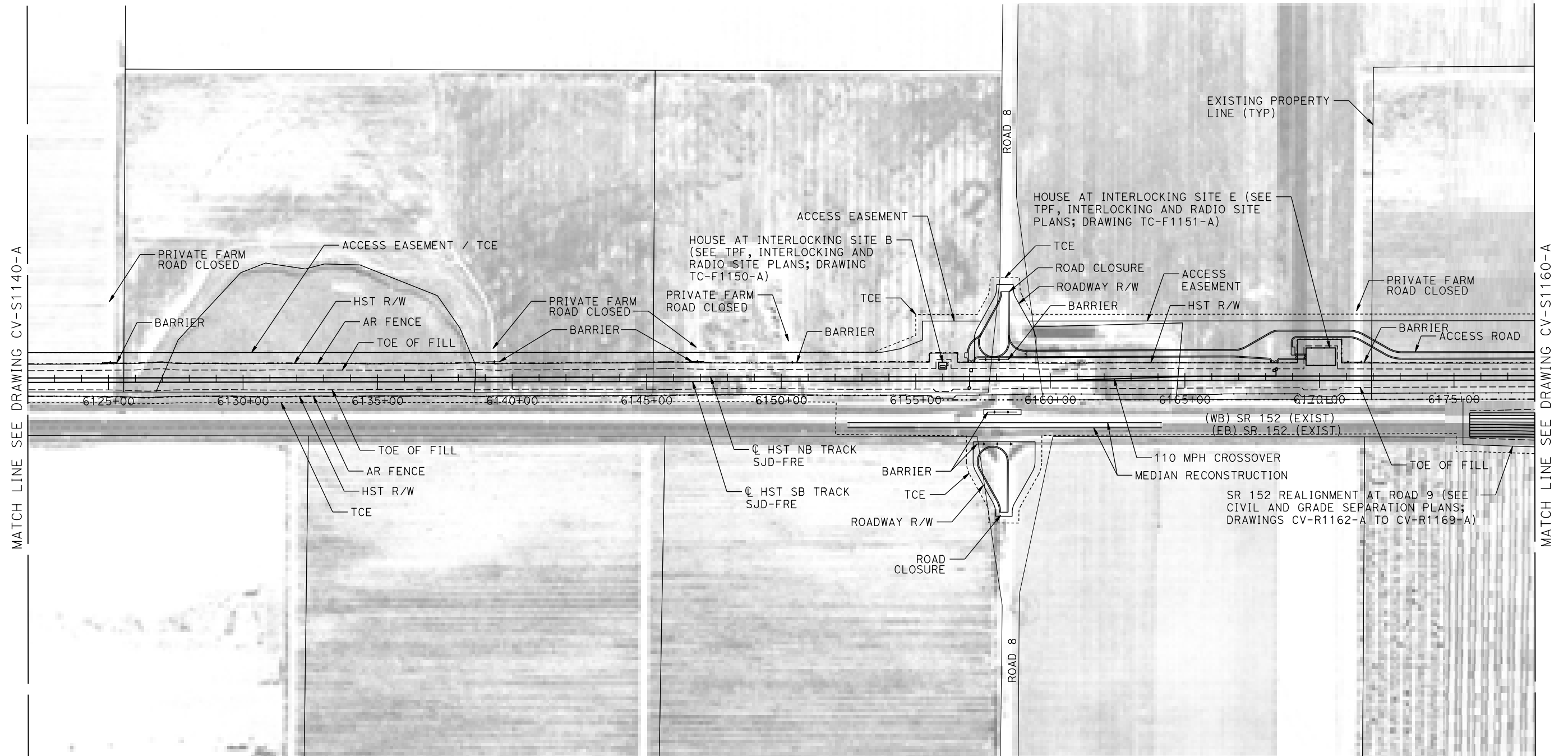
**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

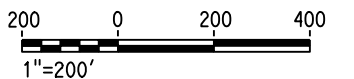
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6066+00 TO 6122+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1140-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

# MADERA COUNTY



PLAN



MF-CV-S1150-A.dgn

15-MAR-2016 3:44

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



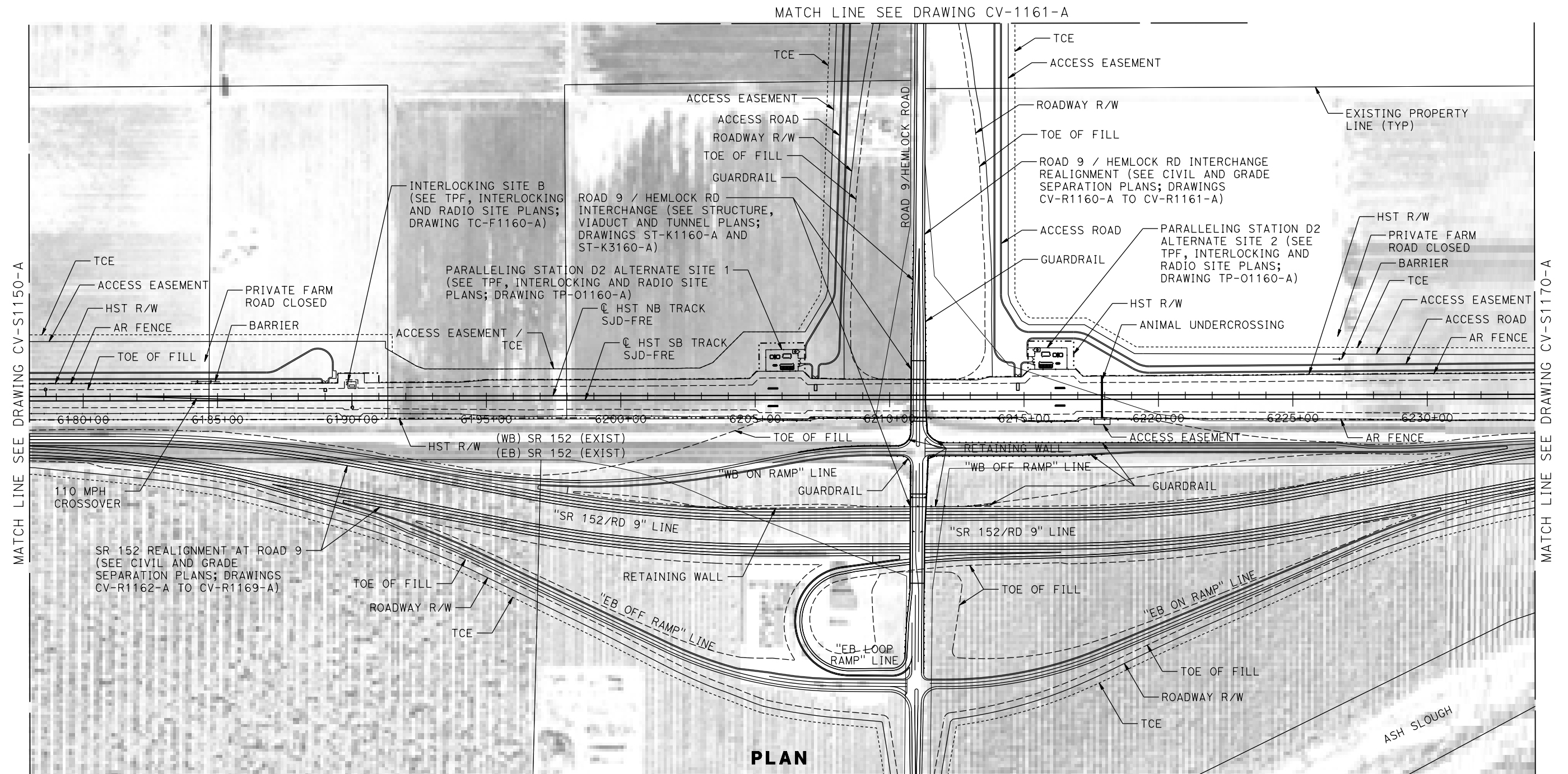
## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6122+00 TO 6178+00

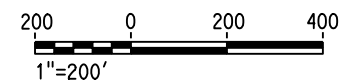
CONTRACT NO.	HSR08-05
DRAWING NO.	CV-S1150-A
SCALE	1"=200'
SHEET NO.	



# MADERA COUNTY



PLAN



MF-CV-S1160-A.dgn

16-MAR-2016 21:29

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

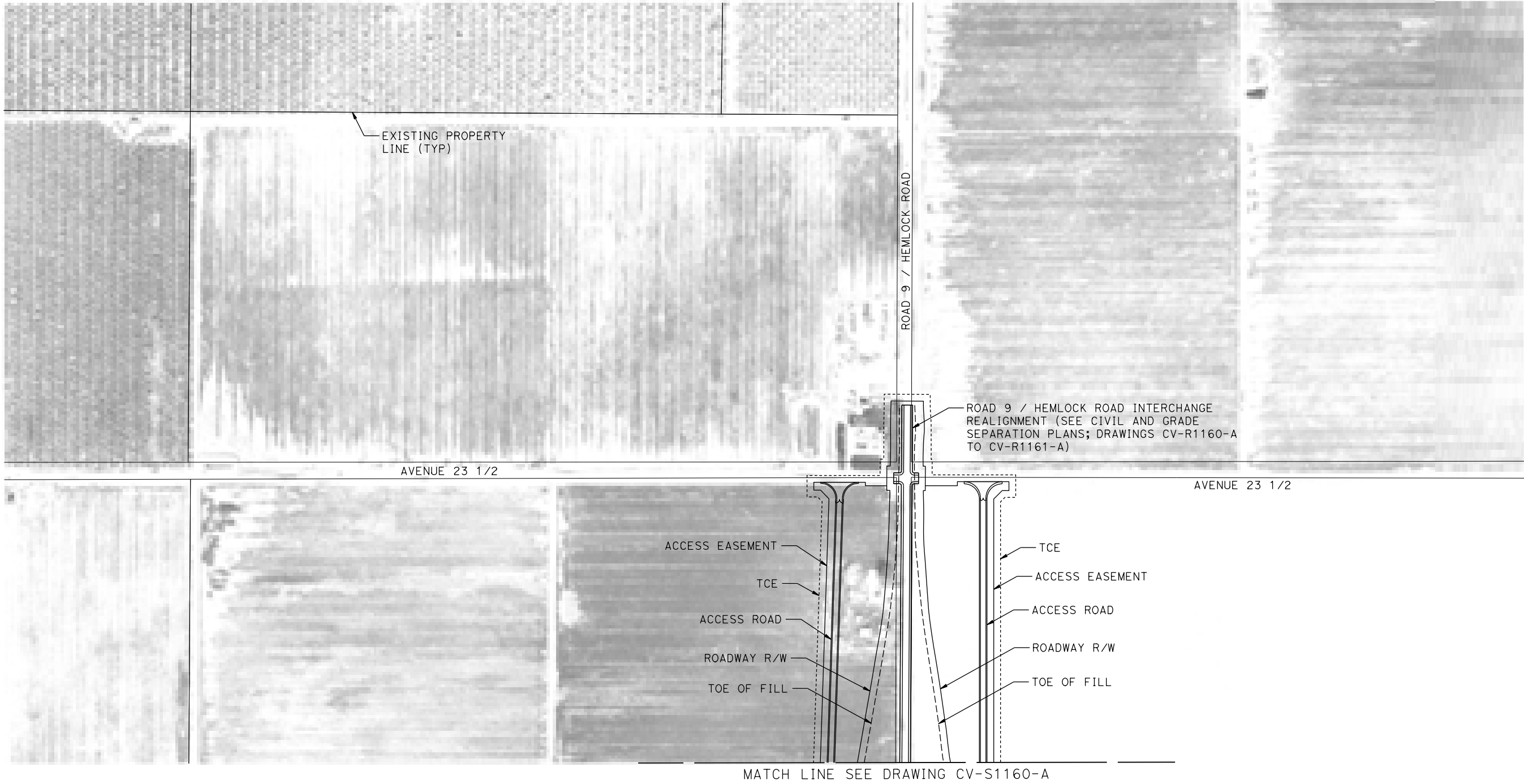
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6178+00 TO 6234+00

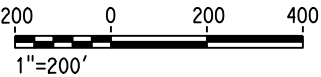
CONTRACT NO.	HSR08-05
DRAWING NO.	CV-S1160-A
SCALE	1"=200'
SHEET NO.	

18-MAR-2016 11:12 MF-CV-S1161-A.dgn

MADERA COUNTY



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

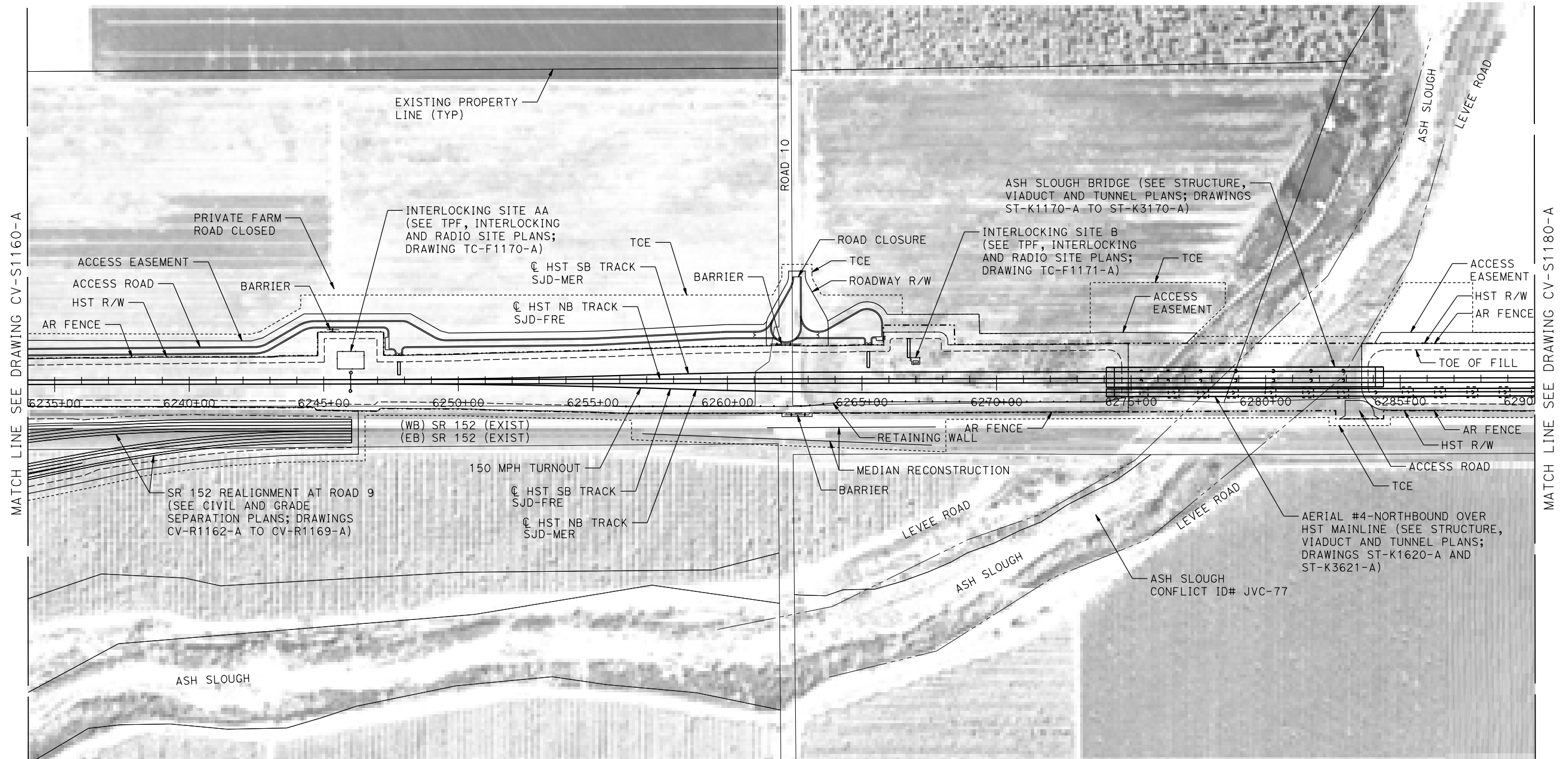
**NOT FOR**  
**CONSTRUCTION**



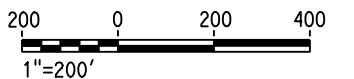
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE ACCESS ROAD

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1161-A
SCALE 1"=200'
SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 11:17 MF-CV-S1170-A.dgn

00042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

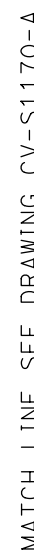
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6234+00 TO 6290+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1170-A
SCALE 1"=200'
SHEET NO.



MATCH LINE SEE DRAWING CV-S1190-A

p0042226 15-MAR-2016 13:47 MF-CV-S1180-A.dgn

P0042226	15-M				
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

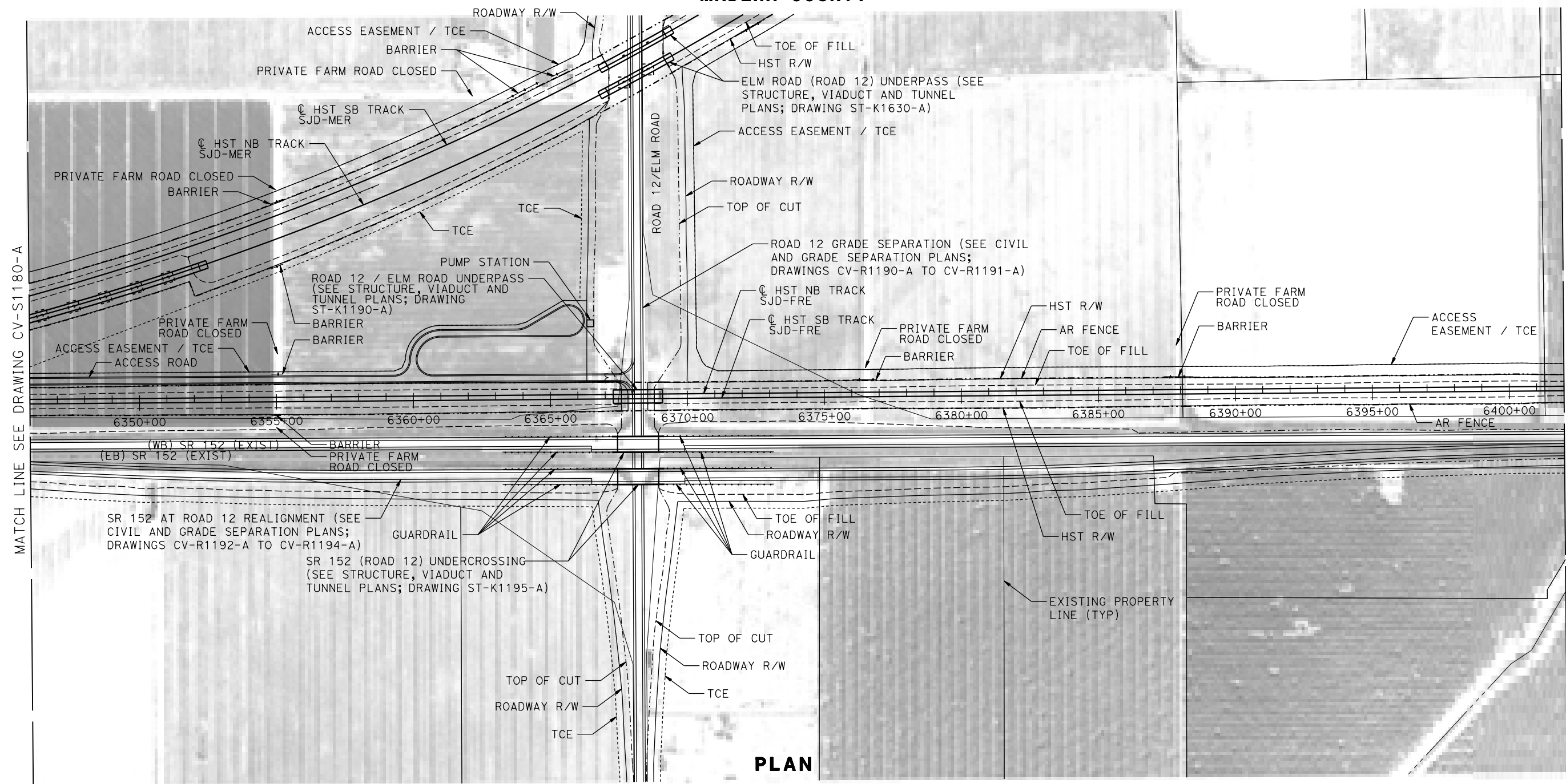


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6290+00 TO 6346+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1180-A</b>
SCALE <b>1"=200'</b>
SHEET NO.



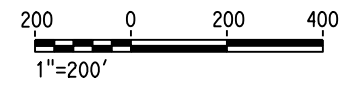
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1180-A

MATCH LINE SEE DRAWING CV-S1200-A

PLAN



p0042226 15-MAR-2016 13:49 MF-CV-S1190-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**M. STANWIC**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

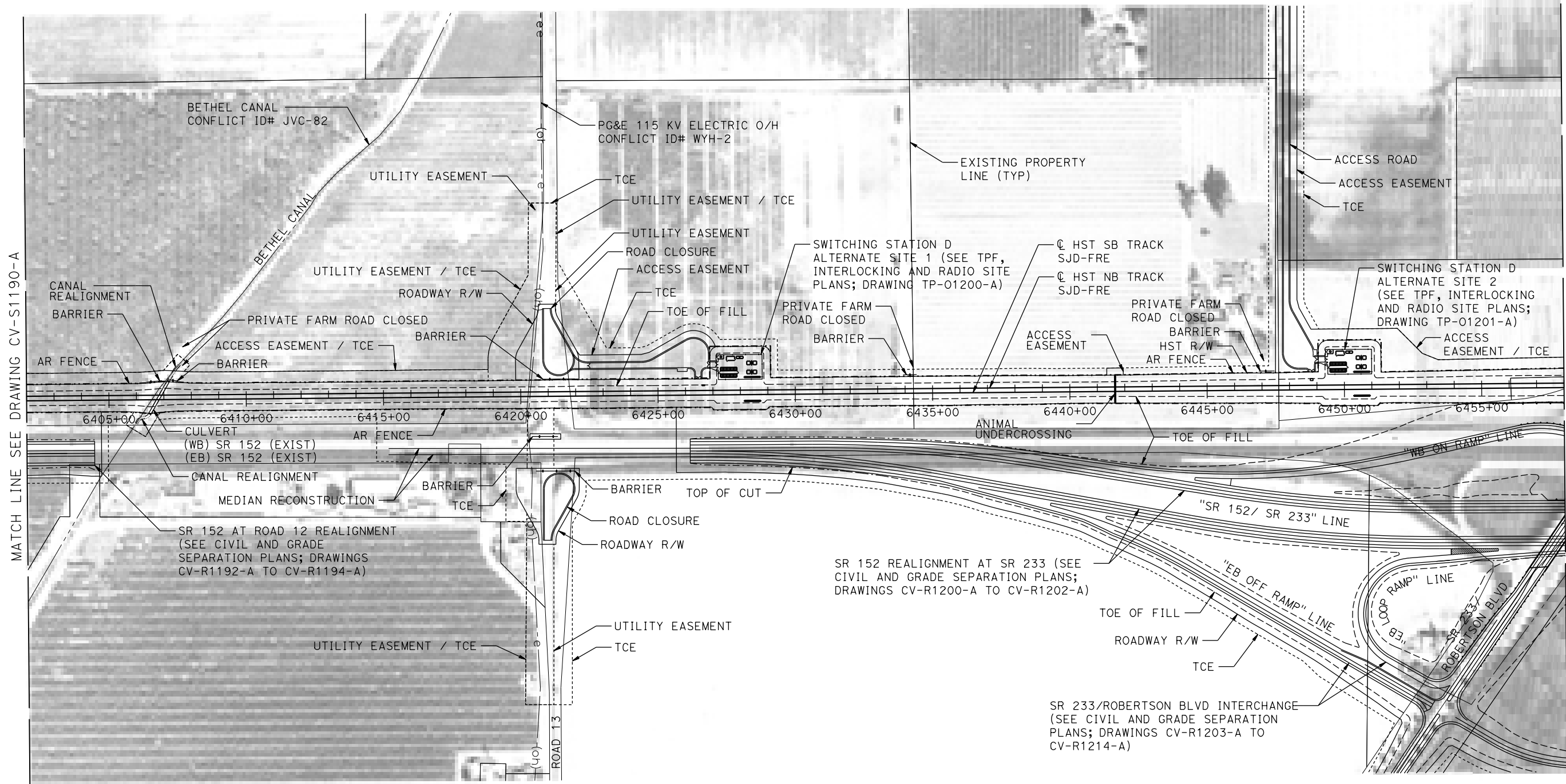
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



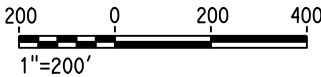
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6346+00 TO 6402+00

CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-S1190-A**  
SCALE  
**1"=200'**  
SHEET NO.

MADERA COUNTY



PLAN



16-MAR-2016 21:30 MF-CV-S1200-A.dgn

00042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



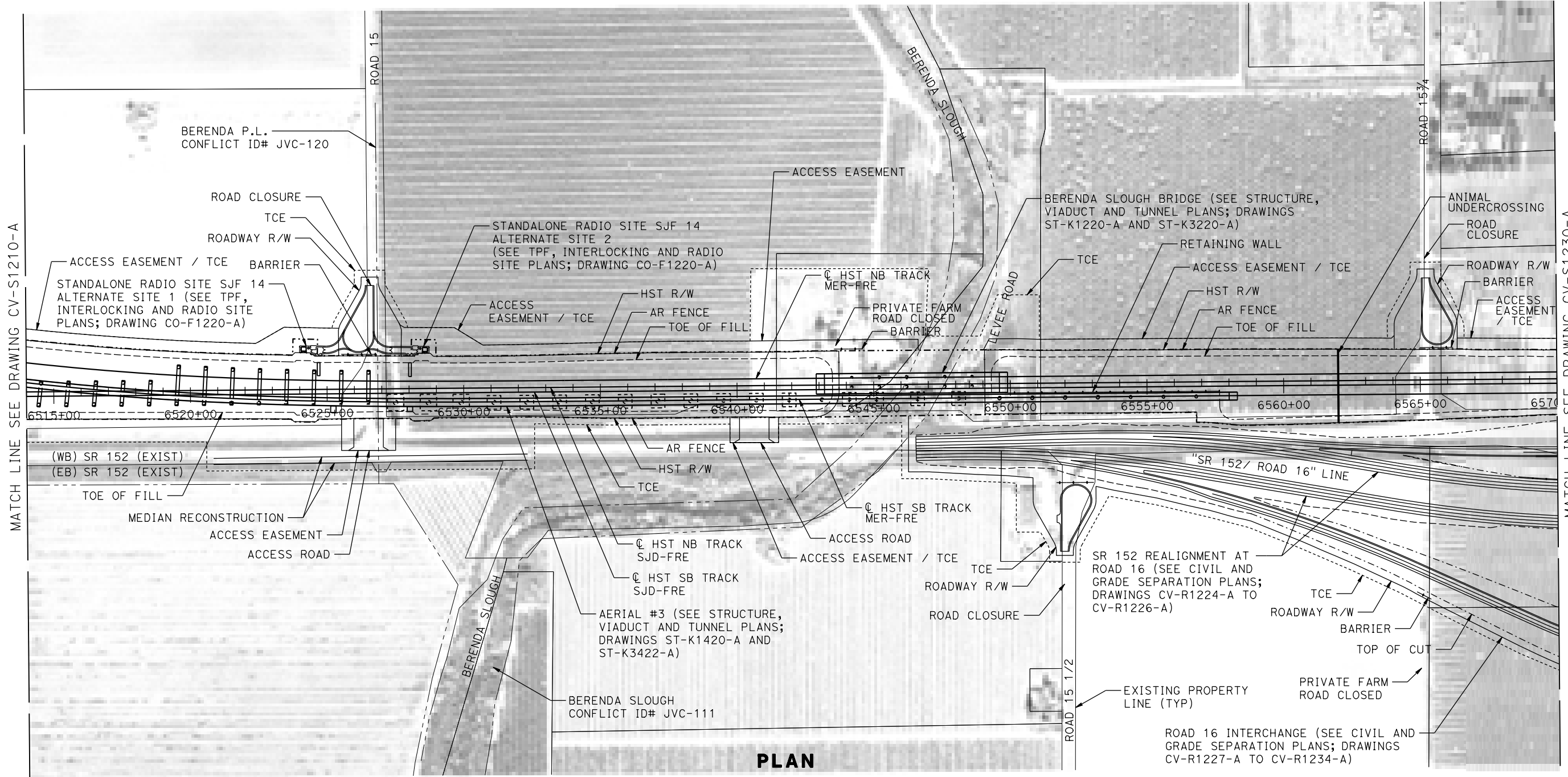
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6402+00 TO 6458+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1200-A
SCALE 1"=200'
SHEET NO.

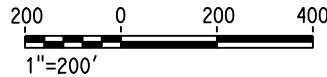




MADERA COUNTY



PLAN



p0042226 15-MAR-2016 3:53 MF-CV-S1220-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

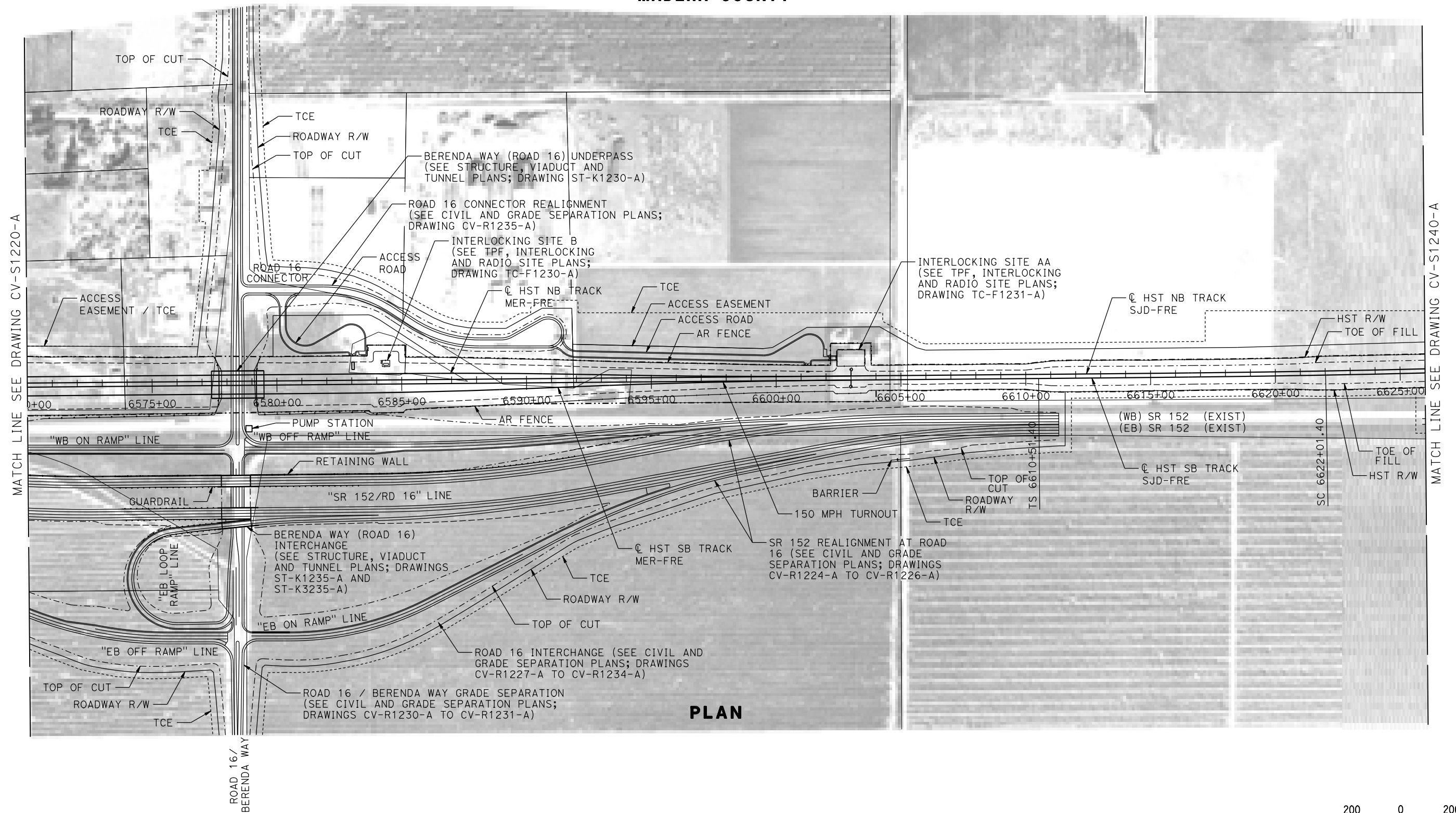


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6514+00 TO 6570+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1220-A
SCALE 1"=200'
SHEET NO.



# MADERA COUNTY



06-SEP-2016 01:55 MF-CV-S1230-A.dgn

00021811

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>09/09/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

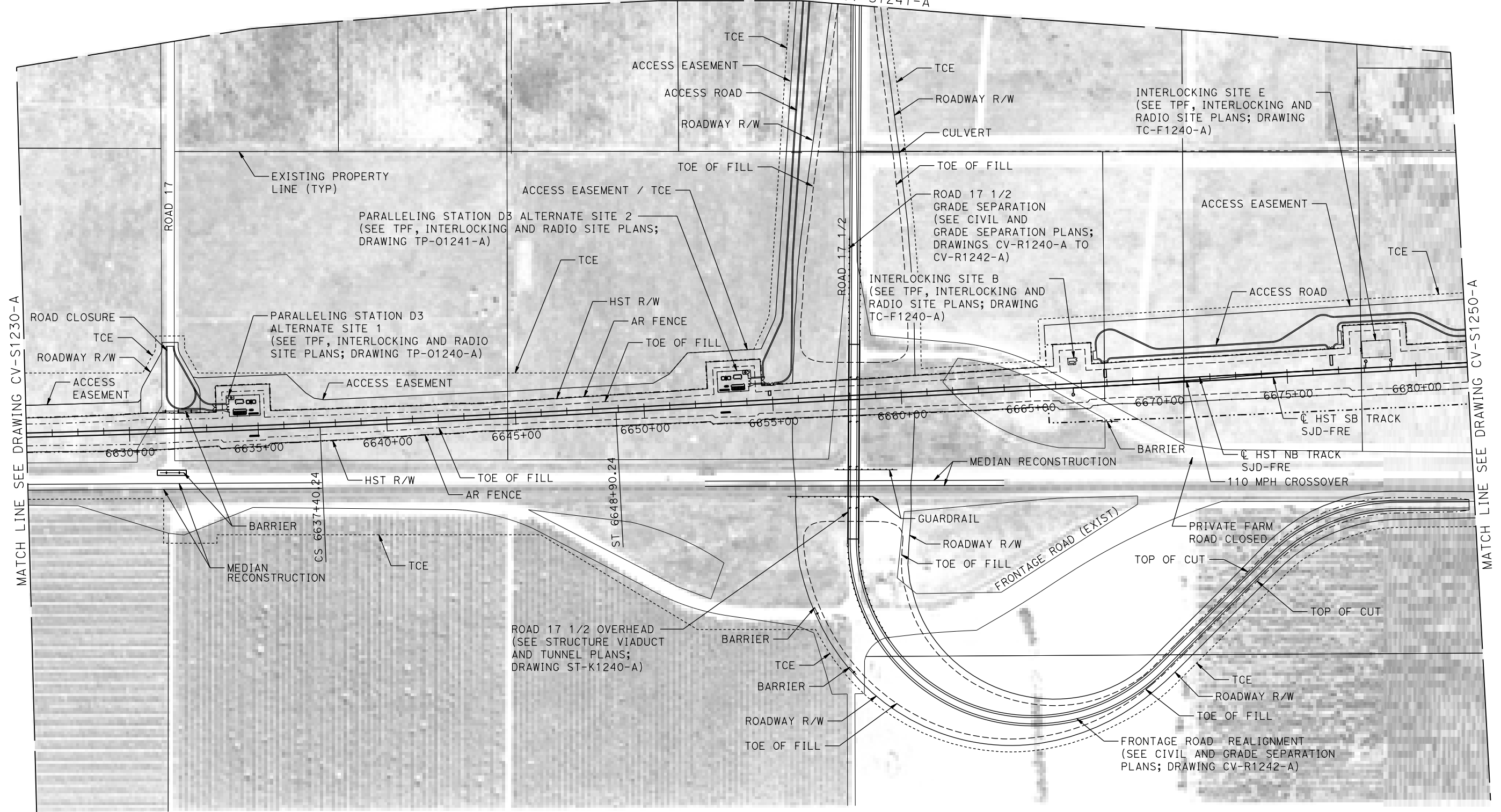


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6570+00 TO 6626+00

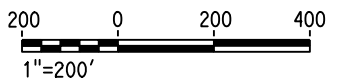
CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1230-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY

MATCH LINE SEE DRAWING CV-S1241-A



PLAN



p0042226 15-MAR-2016 3:55 MF-CV-S1240-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

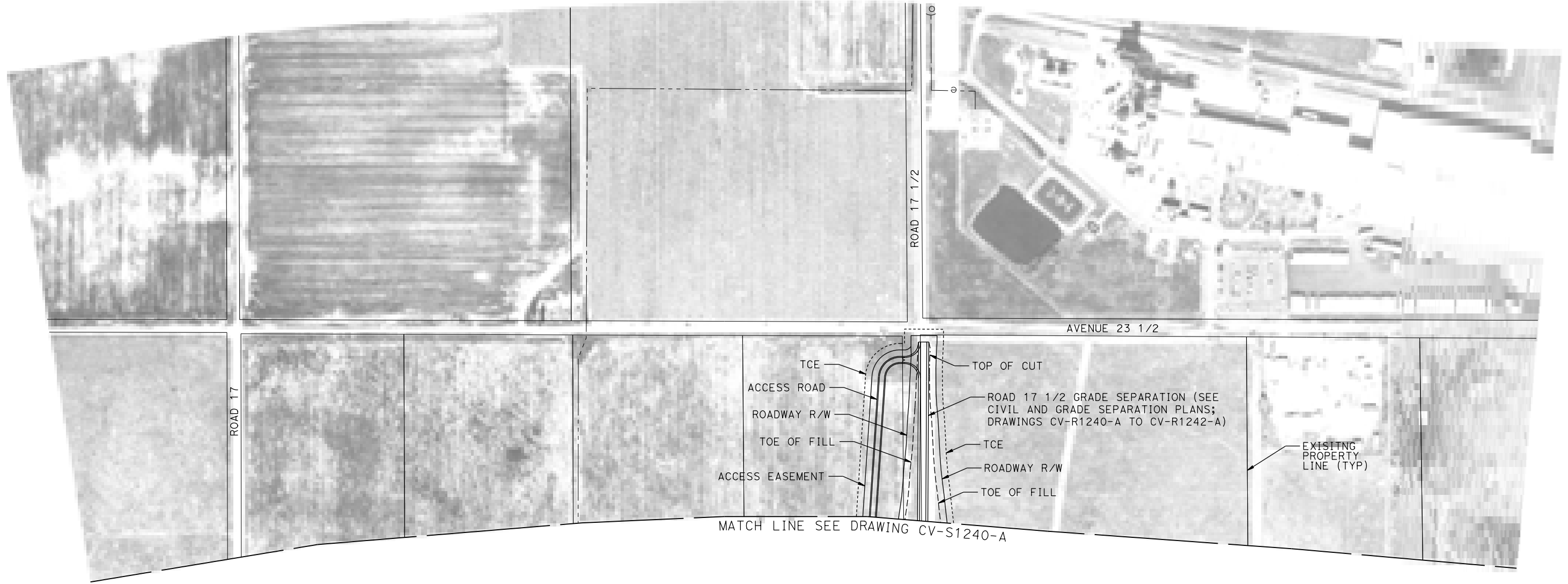
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

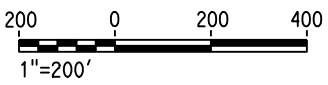


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6626+00 TO 6682+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1240-A
SCALE 1"=200'
SHEET NO.



PLAN



p0042226 15-MAR-2016 3:57 MF-CV-S1241-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

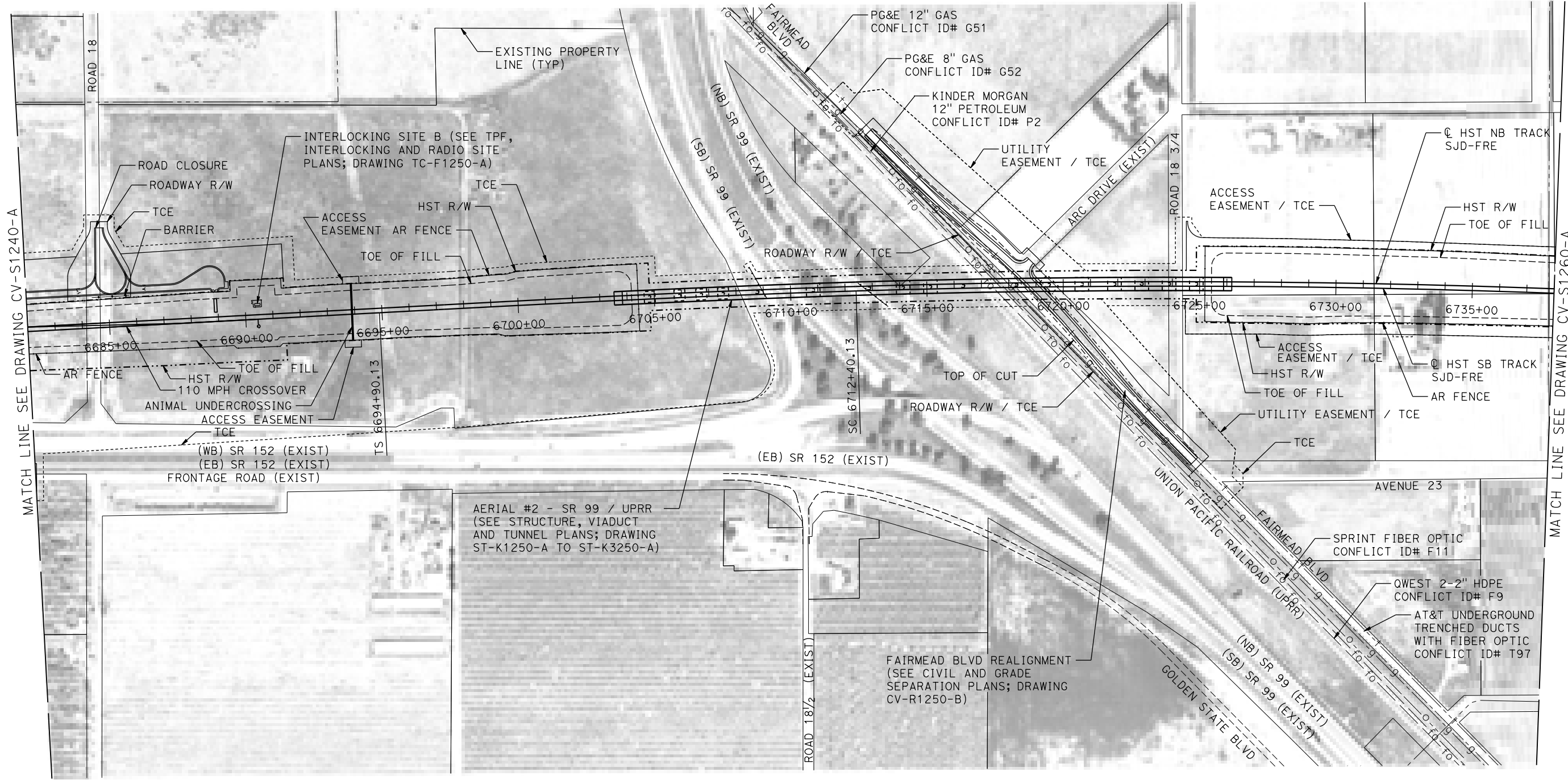


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

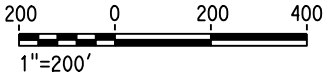
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE ACCESS ROAD

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1241-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY



PLAN



16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

16-MAR-2016 21:33 MF-CV-S1250-A.dgn

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

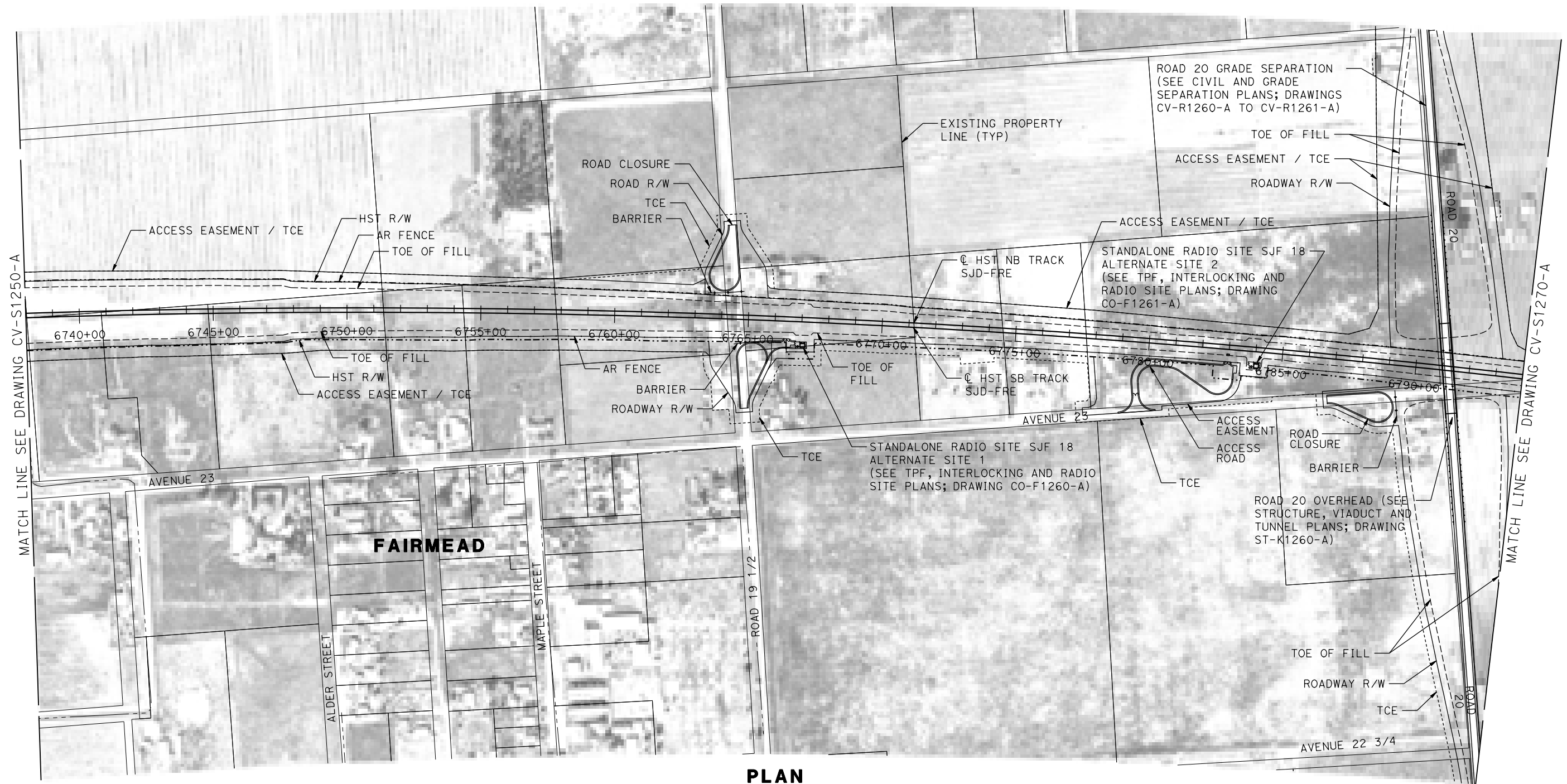
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6682+00 TO 6738+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1250-A
SCALE 1"=200'
SHEET NO.

# MADERA COUNTY



PLAN



MF-CV-S1260-A.dgn

15-MAR-2016 3:59

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



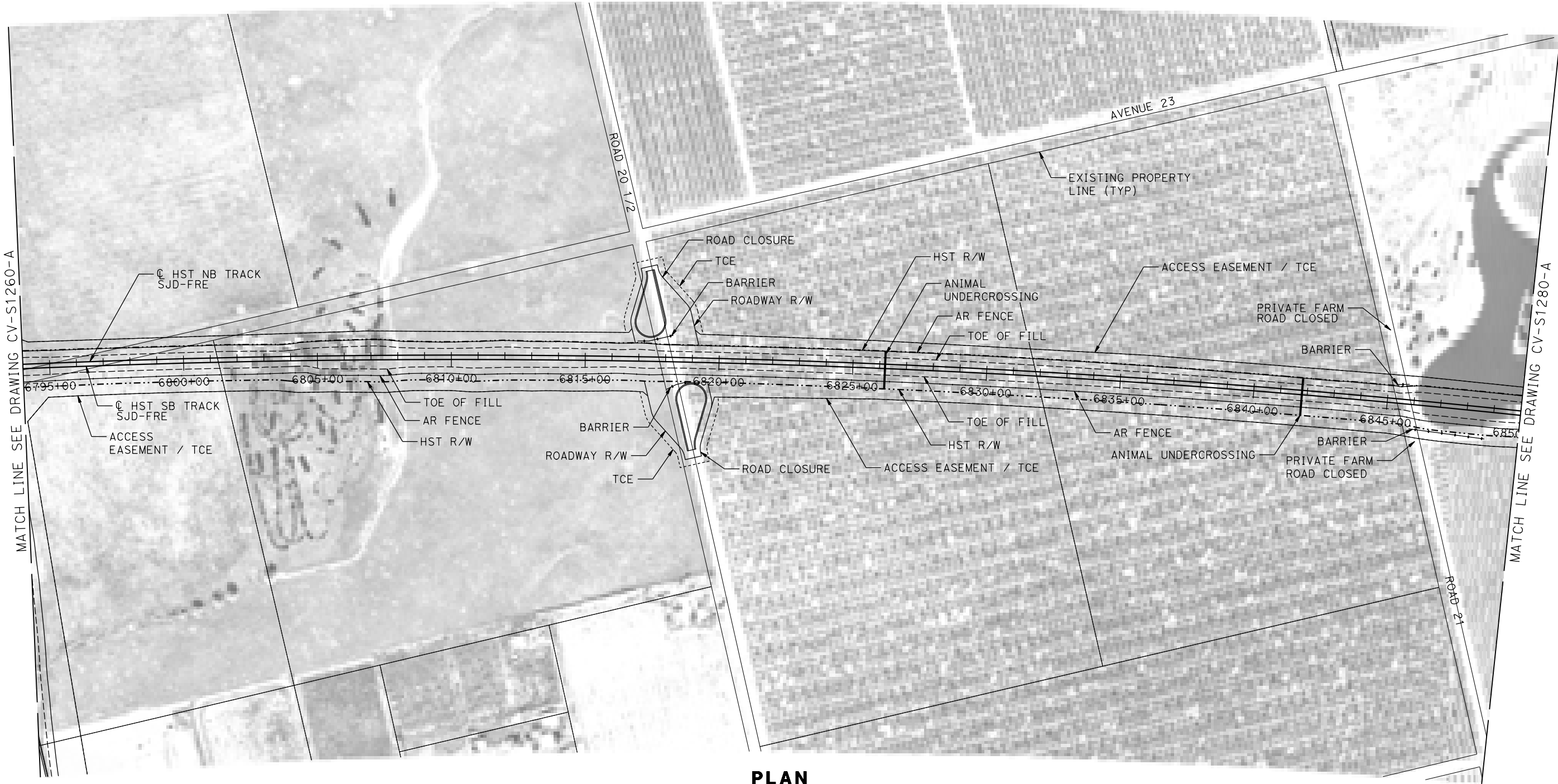
**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

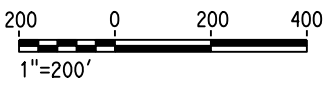
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6738+00 TO 6794+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1260-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:00 MF-CV-S1270-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

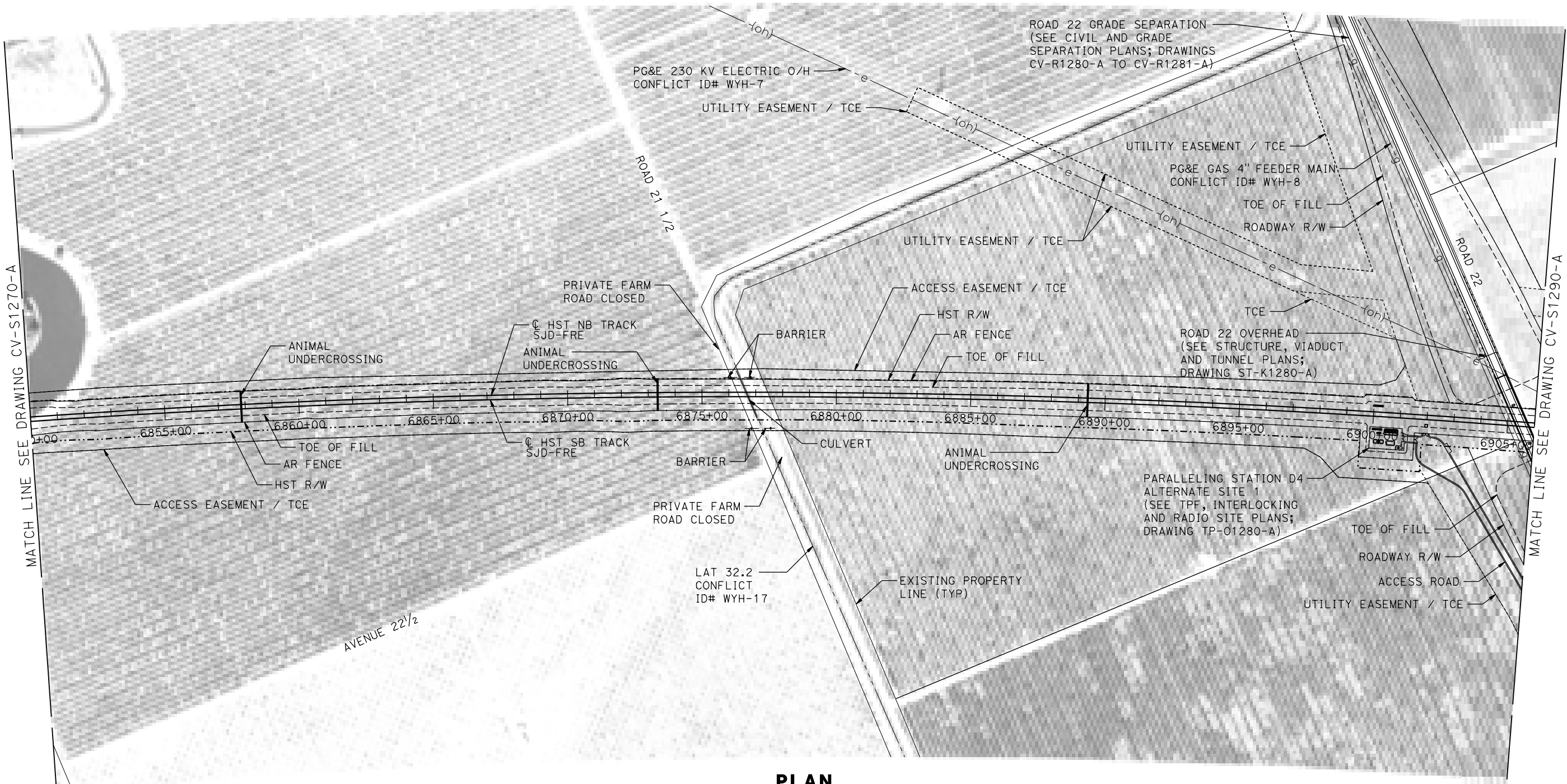
**NOT FOR**  
**CONSTRUCTION**



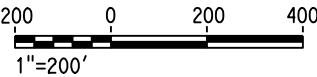
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6794+00 TO 6850+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1270-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 1:37 MF-CV-S1280-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

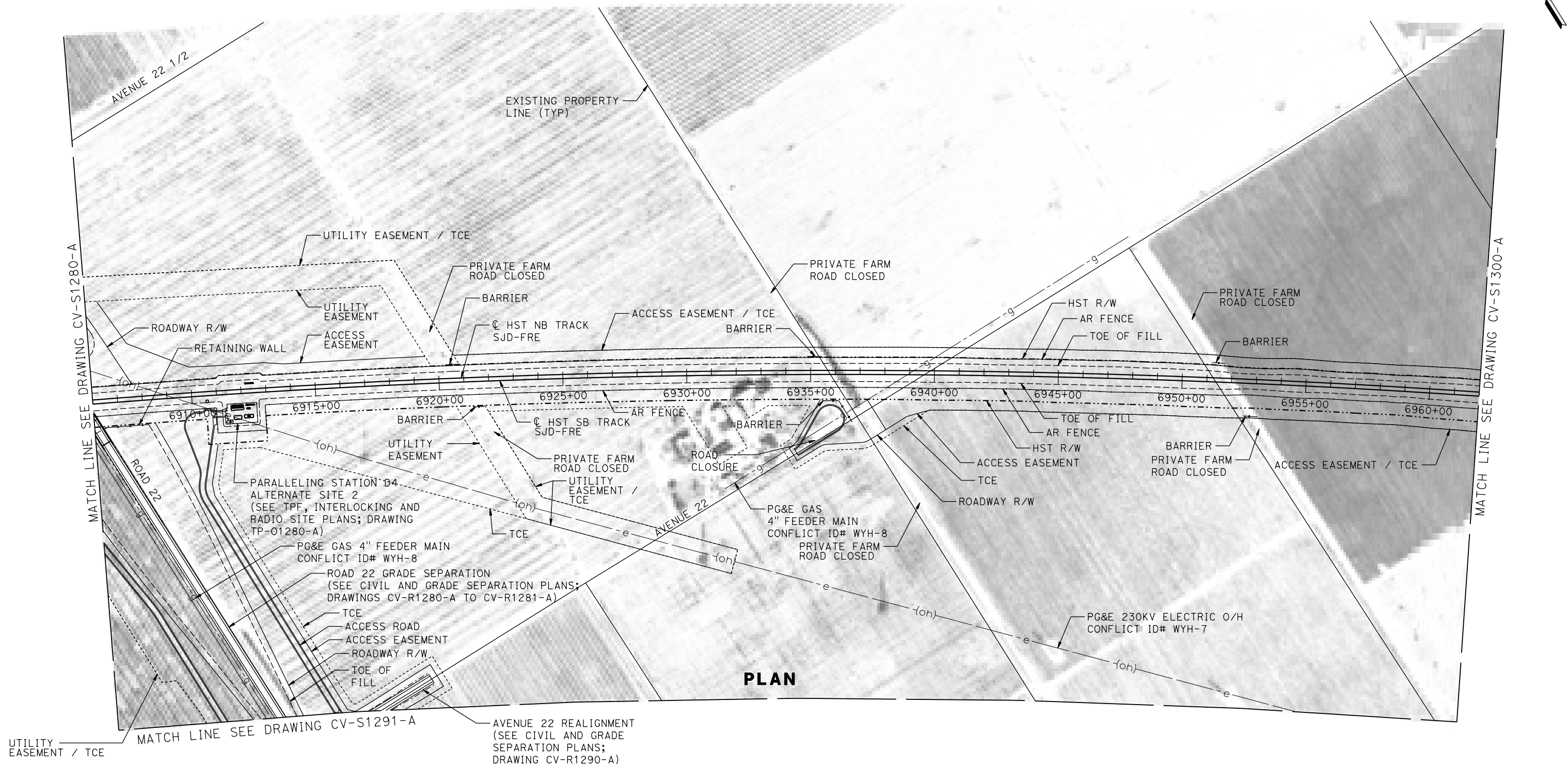


CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6850+00 TO 6906+00

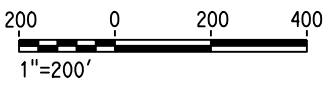
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1280-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



15-MAR-2016 4:01 MF-CV-S1290-A.dgn

00042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

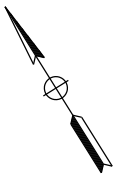


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6906+00 TO 6962+00

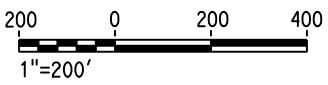
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1290-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



09-MAR-2016 14:56 MF-CV-S1291-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY J. KIDWELL
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

 **PARSONS**

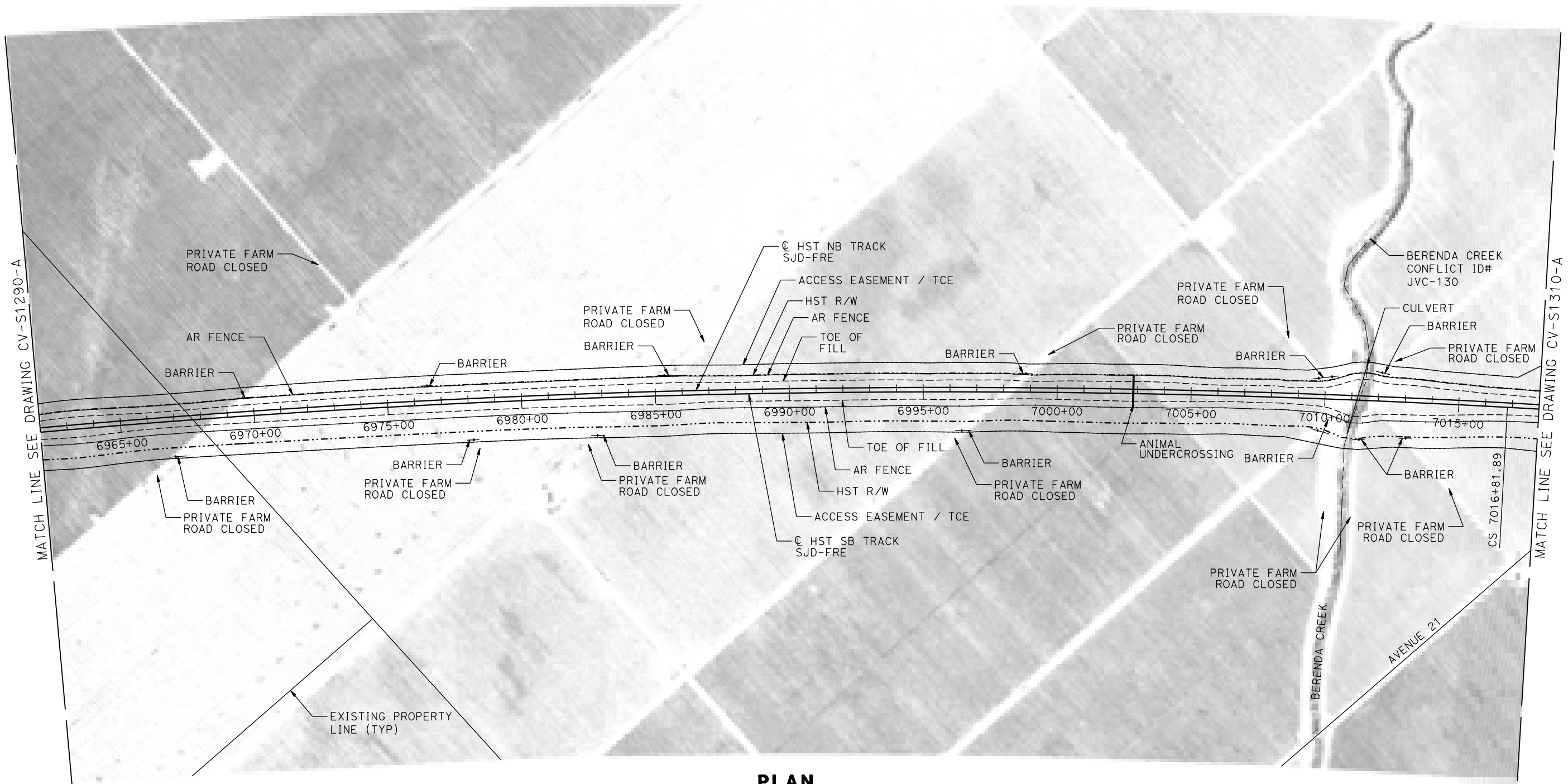
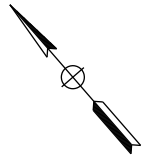
 **CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

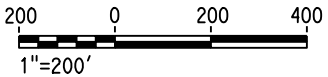
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE ACCESS ROAD

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1291-A
SCALE 1"=200'
SHEET NO.

MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:02 MF-CV-S1300-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 6962+00 TO 7018+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1300-A
SCALE 1"=200'
SHEET NO.

The diagram shows a mechanical assembly. A horizontal shaft is supported by a pulley on the left. A pin is inserted through the shaft, passing through a lever arm on the right. The lever arm is a rectangular block with a triangular tip. The pin is shown in cross-section, with a circle and a cross symbol indicating its orientation. The lever arm is shown in perspective, with a rectangular body and a triangular tip pointing to the right.



p0042226 15-MAR-2016 14:03 MF-CV-S1310-A.dgn

92234001						
	REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

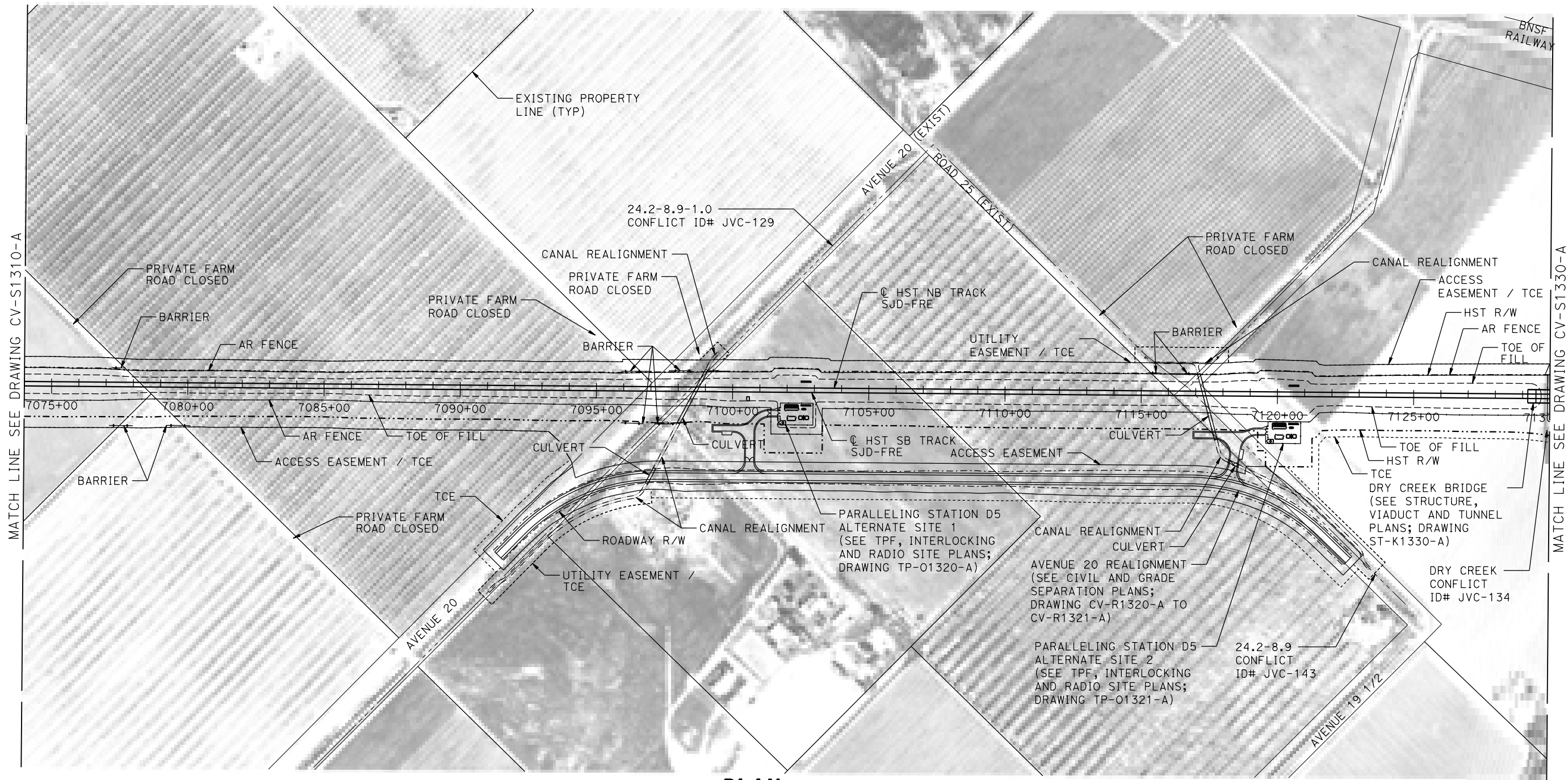
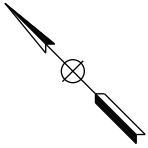
**NOT FOR  
CONSTRUCTION**



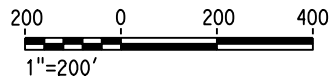
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 7018+00 TO 7074+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1310-A
SCALE 1"=200'
SHEET NO.

MADERA COUNTY



PLAN



p0042226 16-MAR-2016 21:34 MF-CV-S1320-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

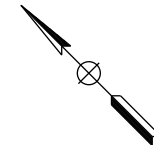
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

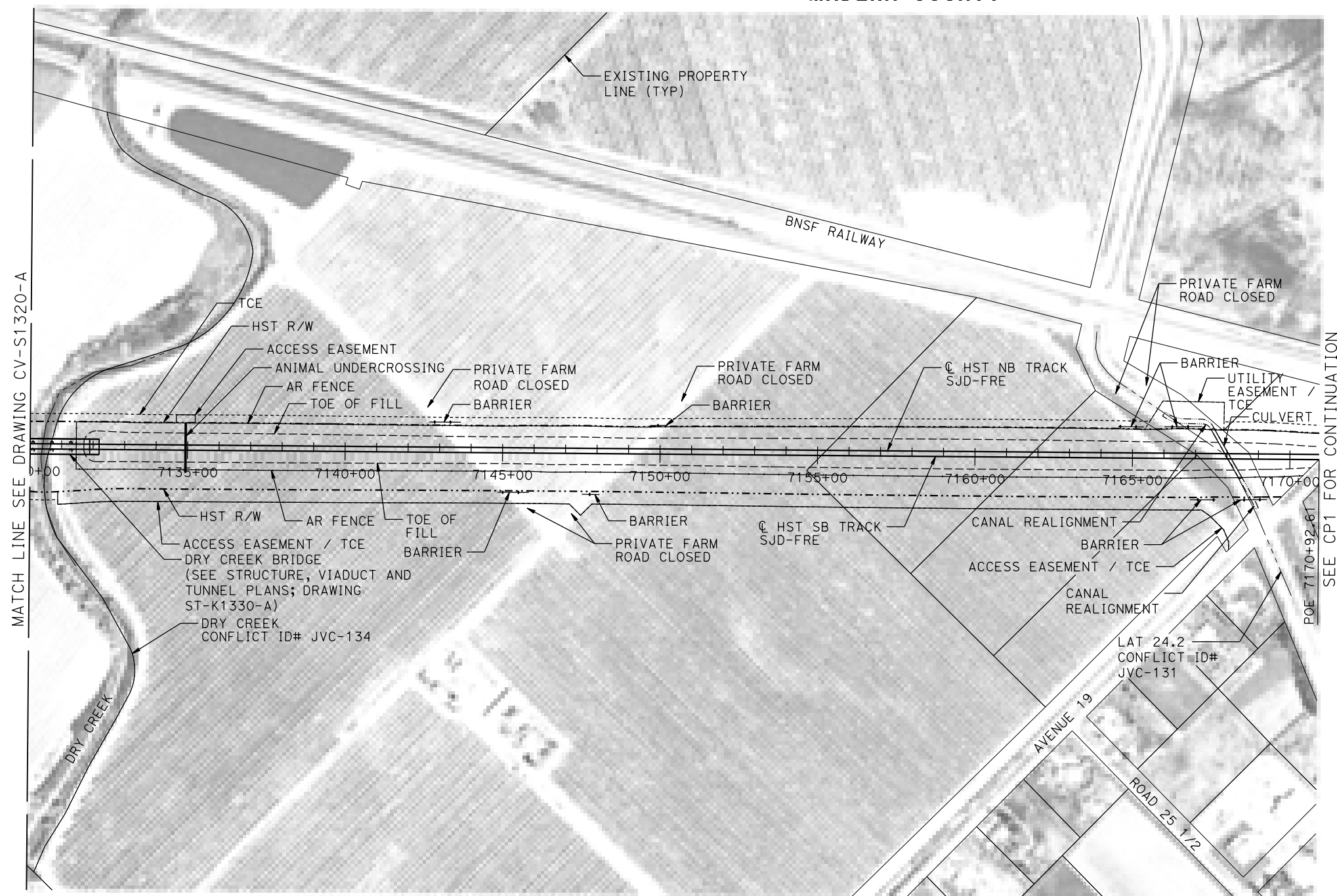


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 7074+00 TO 7130+00

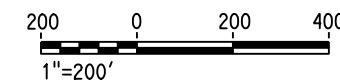
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1320-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:04 MF-CV-S1330-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-FRE STA 7130+00 TO 7170+92.61

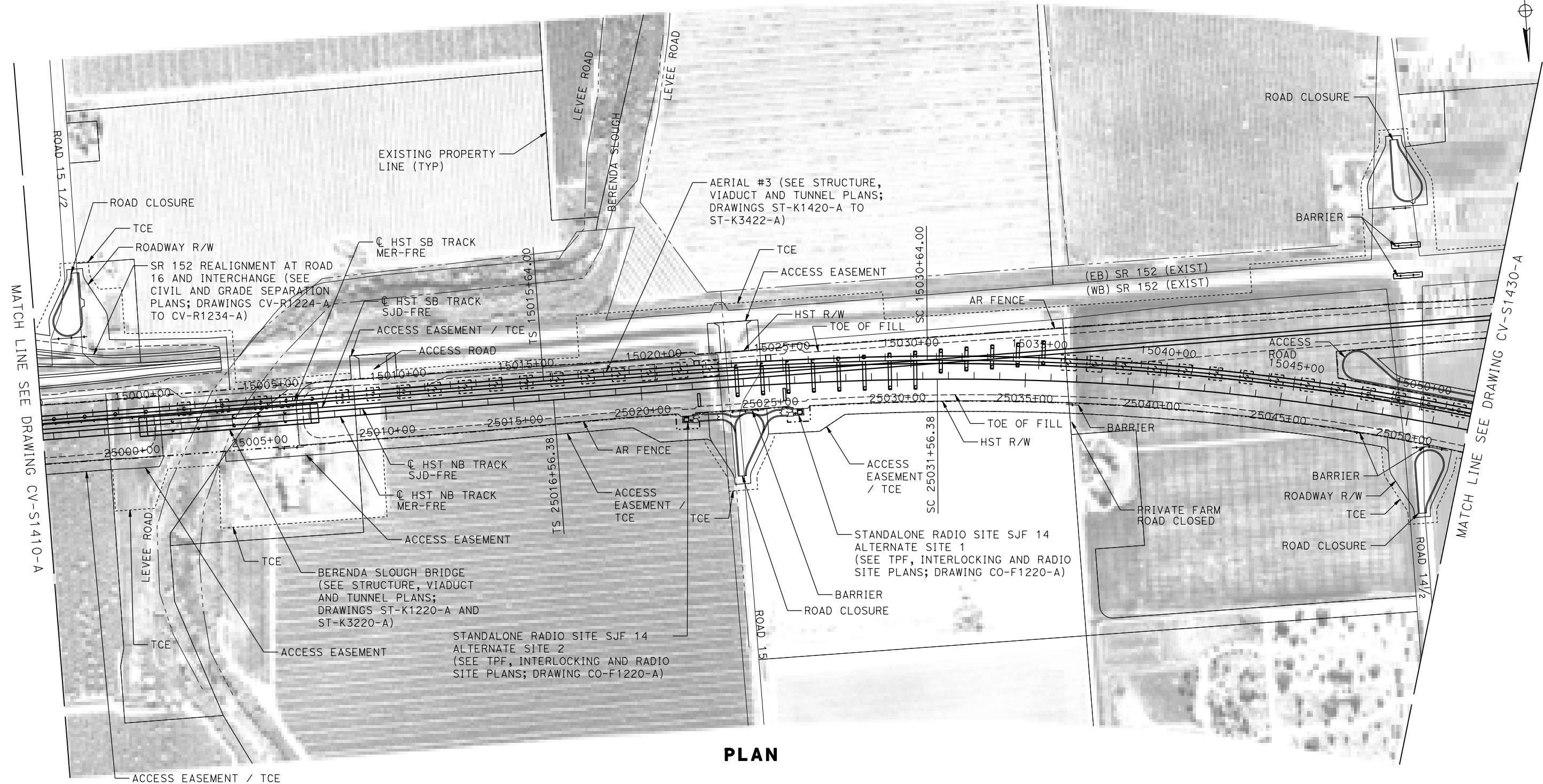
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1330-A
SCALE 1"=200'
SHEET NO.



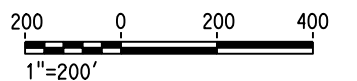
MATCH LINE SEE DRAWING CV-S1420-A

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-S1410-A
SCALE	1"=200'
SHEET NO.	

# MADERA COUNTY



PLAN



MF-CV-S1420-A.dgn

09-MAR-2016 5:00

p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

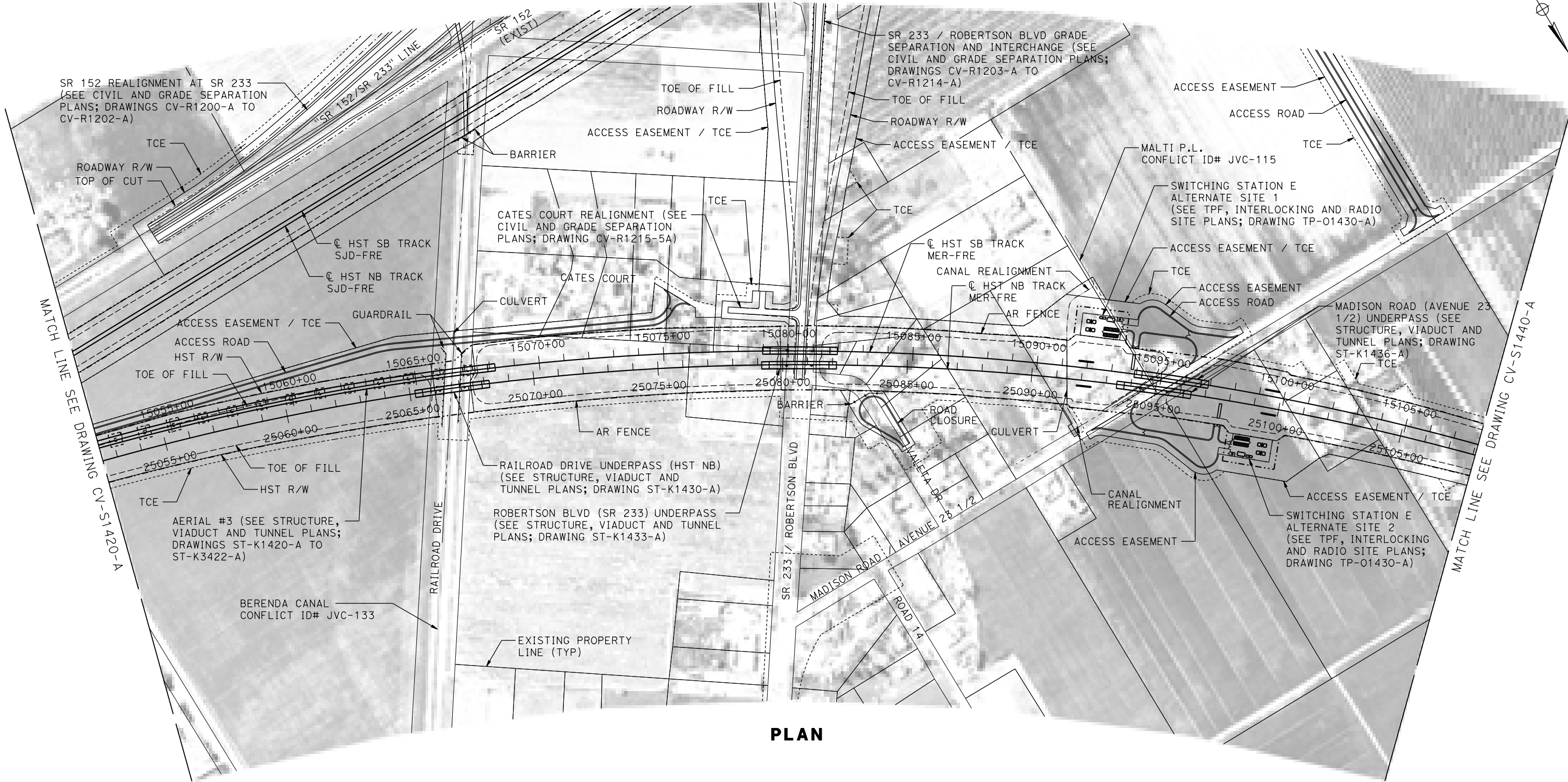
## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 14996+00 TO 15052+00

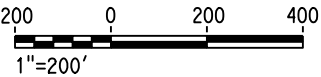
CONTRACT NO.	HSR08-05
DRAWING NO.	CV-S1420-A
SCALE	1"=200'
SHEET NO.	



MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:07 MF-CV-S1430-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



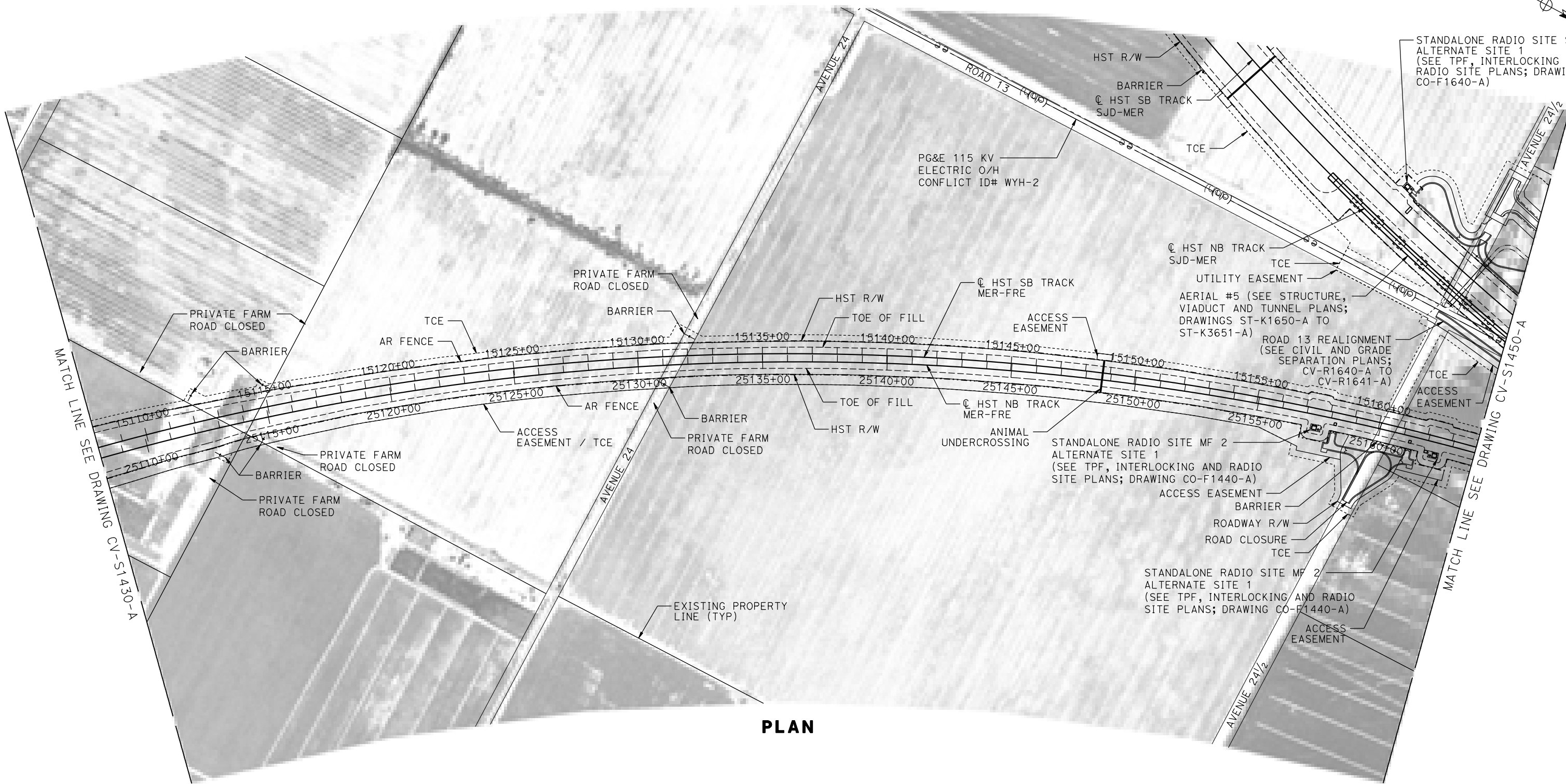
CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15052+00 TO 15108+00

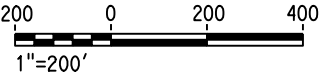
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1430-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



09-MAR-2016 15:02 MF-CV-S1440-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15108+00 TO 15164+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1440-A
SCALE 1"=200'
SHEET NO.

[illegible]

p0042226 15-MAR-2016 14:09 MF-CV-S1450-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	M. STANWIC
IN CHARGE	C. LEMLEY
DATE	03/18/2016

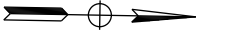
**NOT FOR  
CONSTRUCTION**



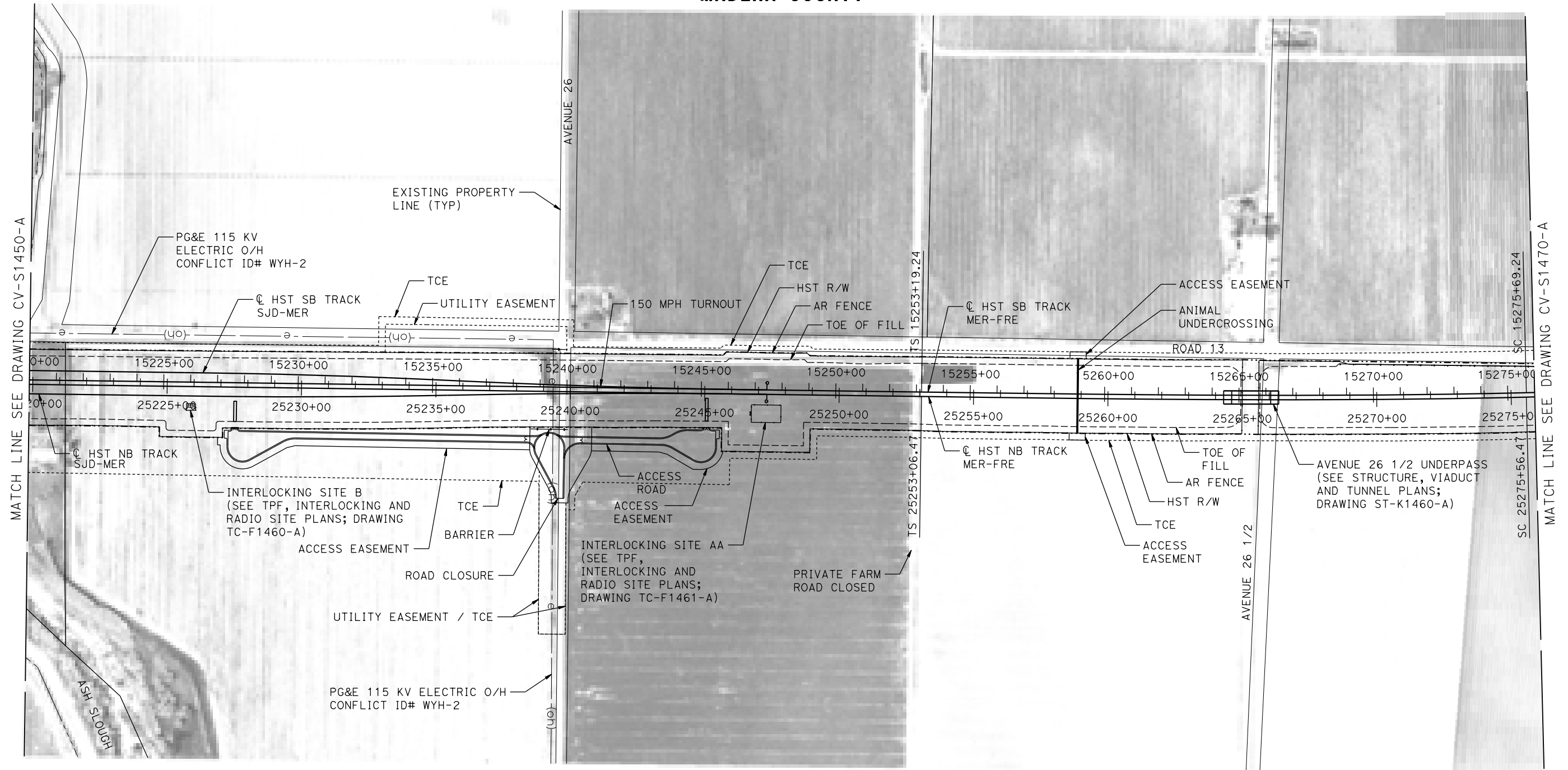
**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15164+00 TO 15220+00

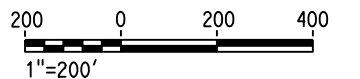
CONTRACT NO.	HSR08-05
DRAWING NO.	CV-S1450-A
SCALE	1"=200'
SHEET NO.	



MADERA COUNTY



PLAN



p0042226 16-MAR-2016 21:35 MF-CV-S1460-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

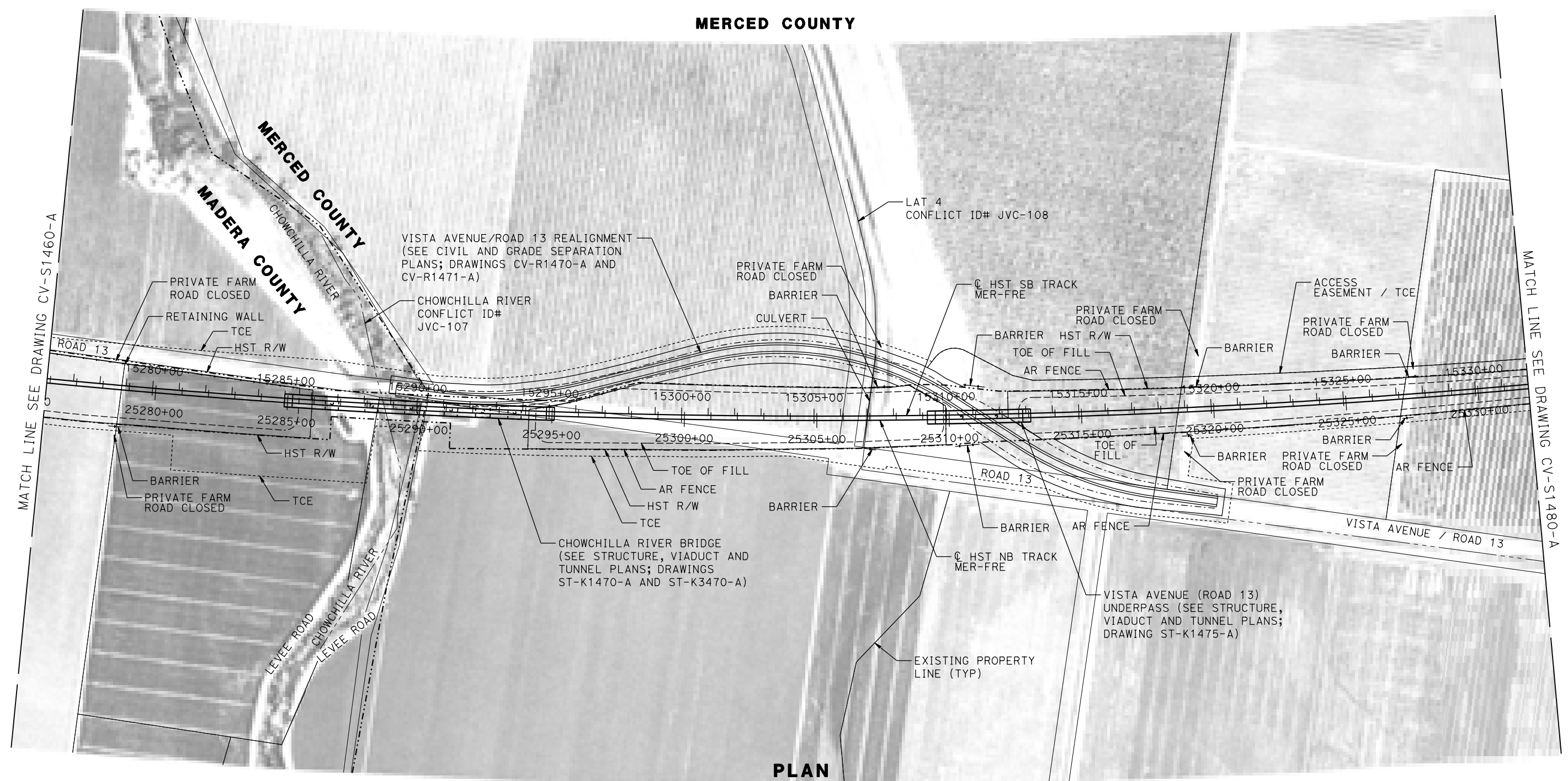
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15220+00 TO 15276+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1460-A
SCALE 1"=200'
SHEET NO.



PLAN

p0042226 16-MAR-2016 21:36 MF-CV-S1470-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

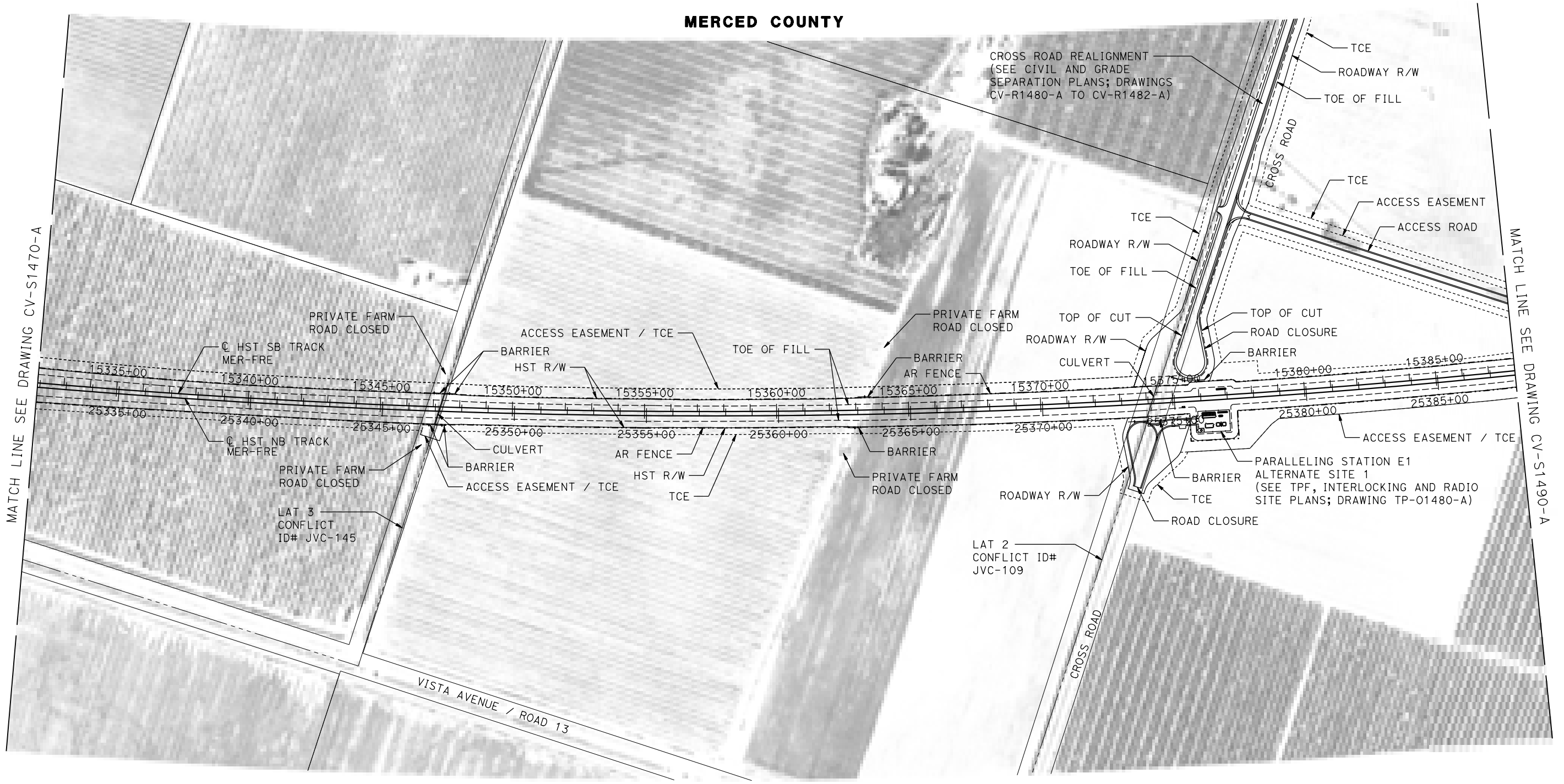
**NOT FOR**  
**CONSTRUCTION**



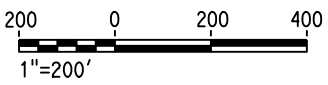
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15276+00 TO 15332+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1470-A
SCALE 1"=200'
SHEET NO.

p0042226 15-MAR-2016 4:12 MF-CV-S1480-A.dgn



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

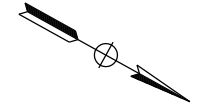
DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**M. STANWIC**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

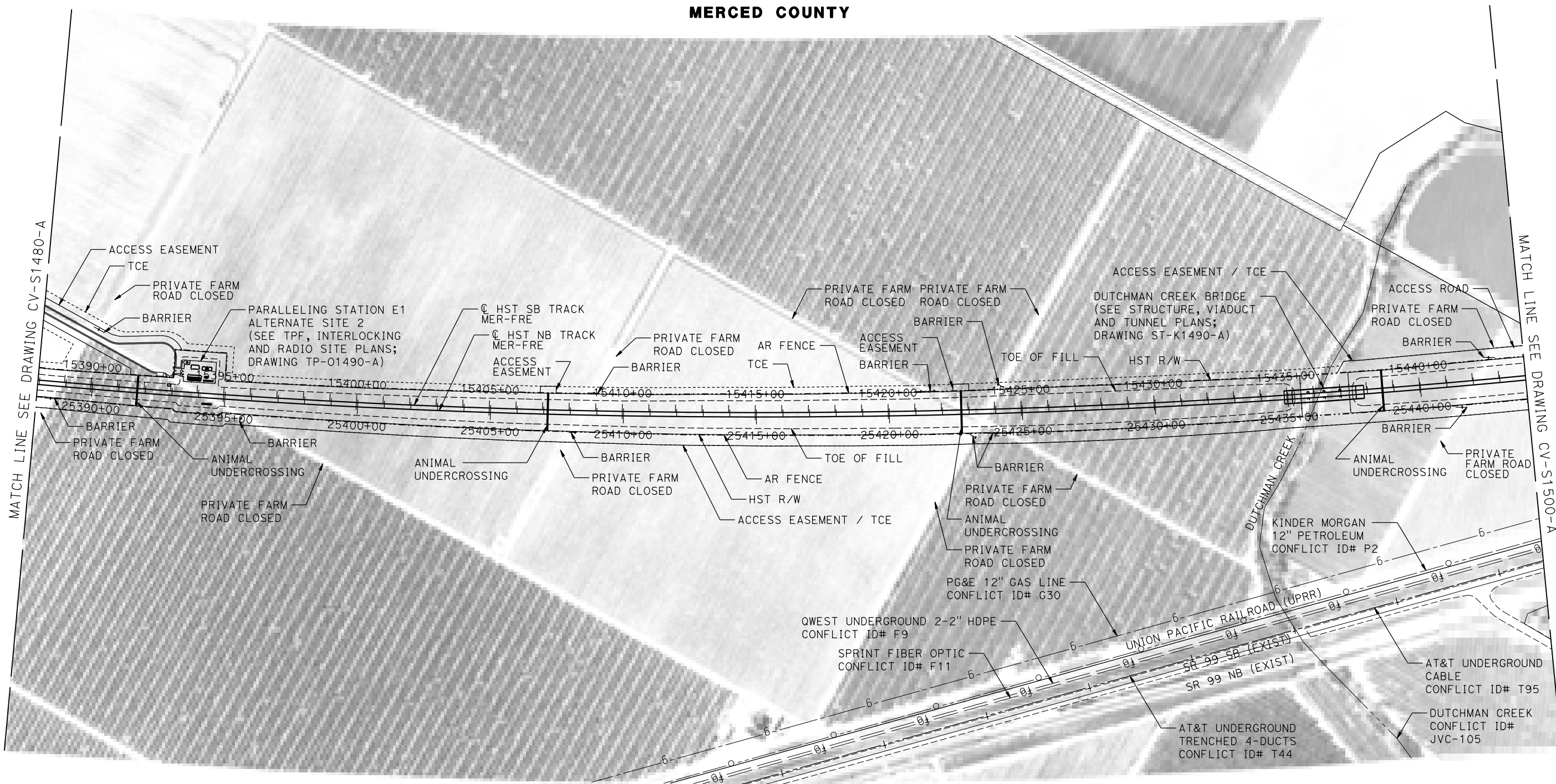


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15332+00 TO 15388+00

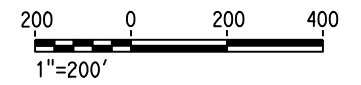
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-S1480-A  
SCALE  
1"=200'  
SHEET NO.



MERCED COUNTY



PLAN



MF-CV-S1490-A.dgn  
09-MAR-2016 15:06  
p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



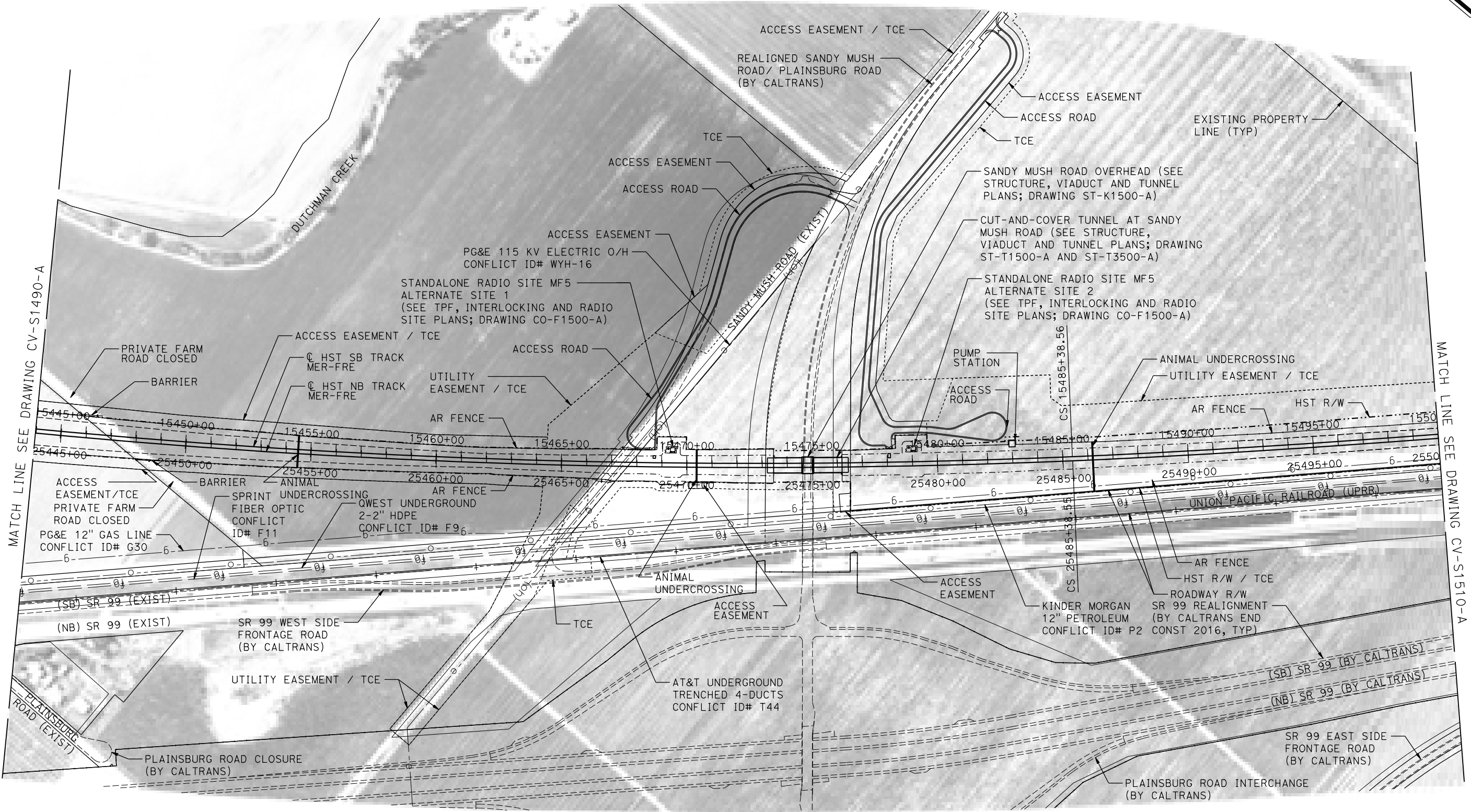
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15388+00 TO 15444+00

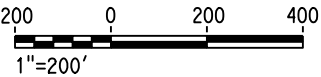
CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1490-A</b>
SCALE <b>1"=200'</b>
SHEET NO.



MERCED COUNTY



PLAN



p0042226 18-MAR-2016 11:42 MF-CV-S1500-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

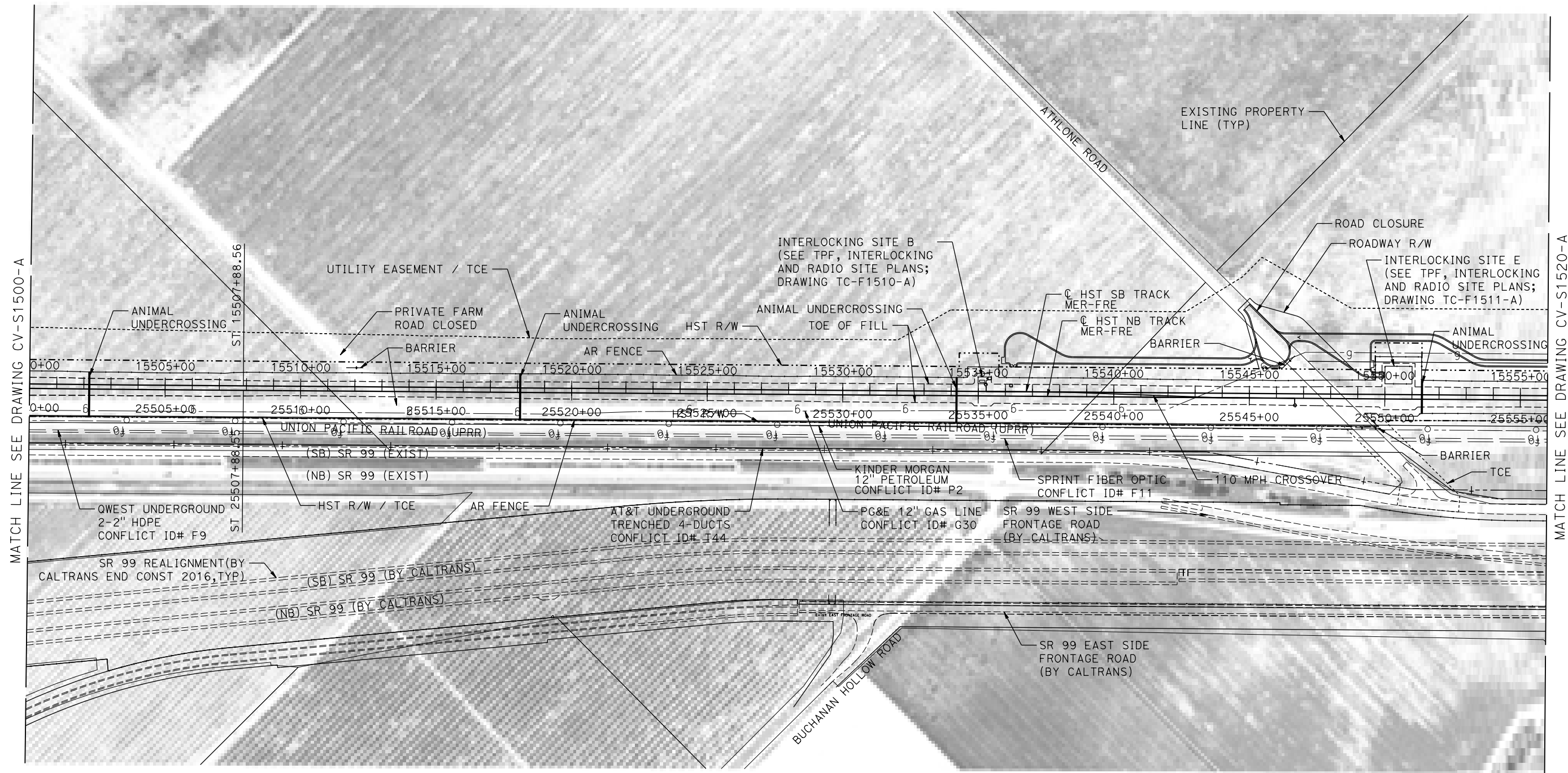
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



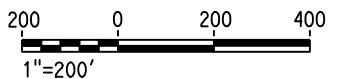
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15444+00 TO 15500+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1500-A
SCALE 1"=200'
SHEET NO.

MERCED COUNTY



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

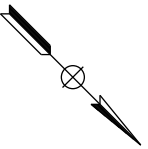
**NOT FOR**  
**CONSTRUCTION**



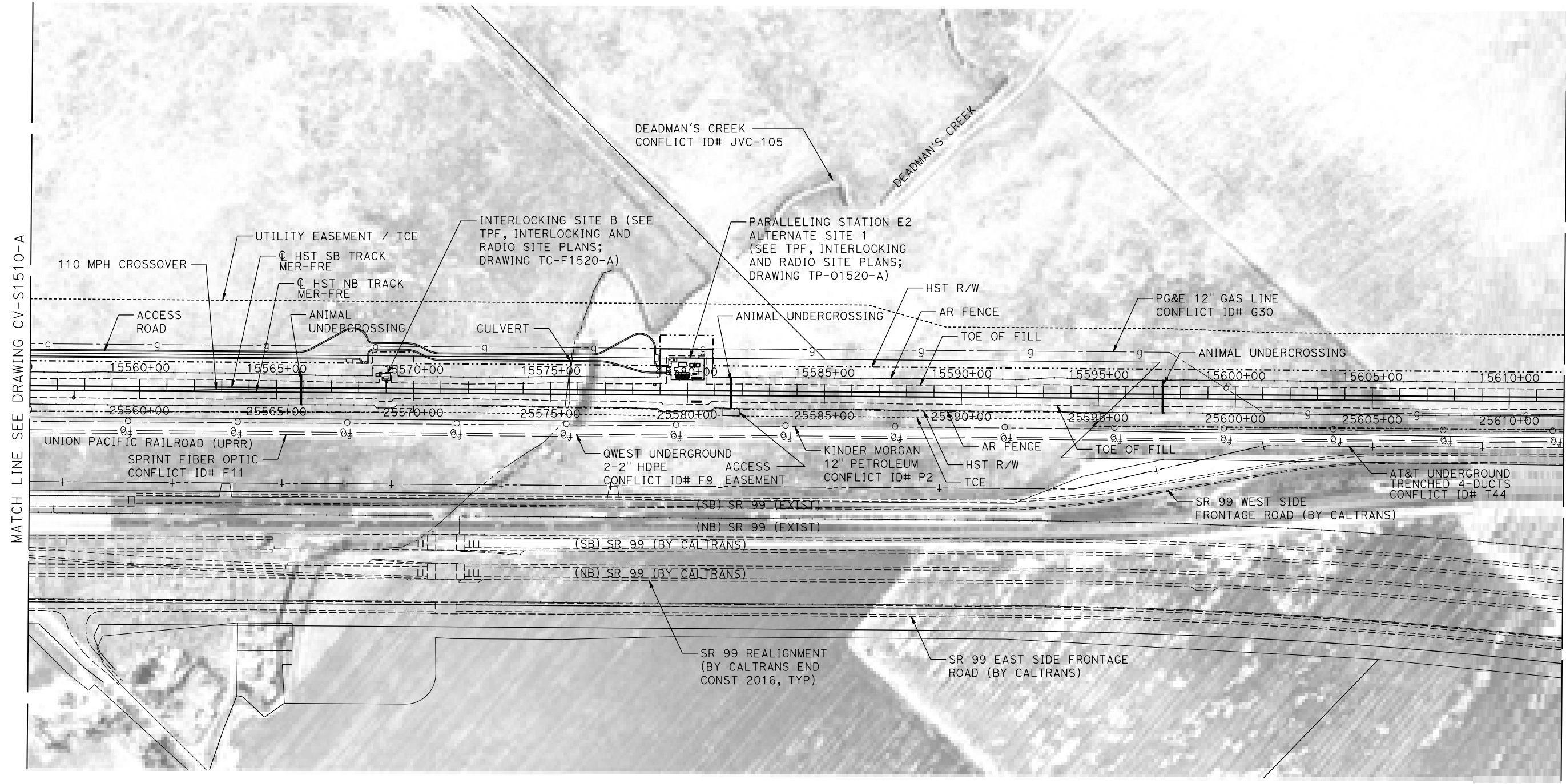
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15500+00 TO 15655+00.00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1510-A
SCALE 1"=200'
SHEET NO.

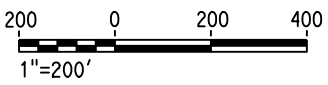




MERCED COUNTY



PLAN



15-MAR-2016 4:15 MF-CV-S1520-A.dgn

00042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

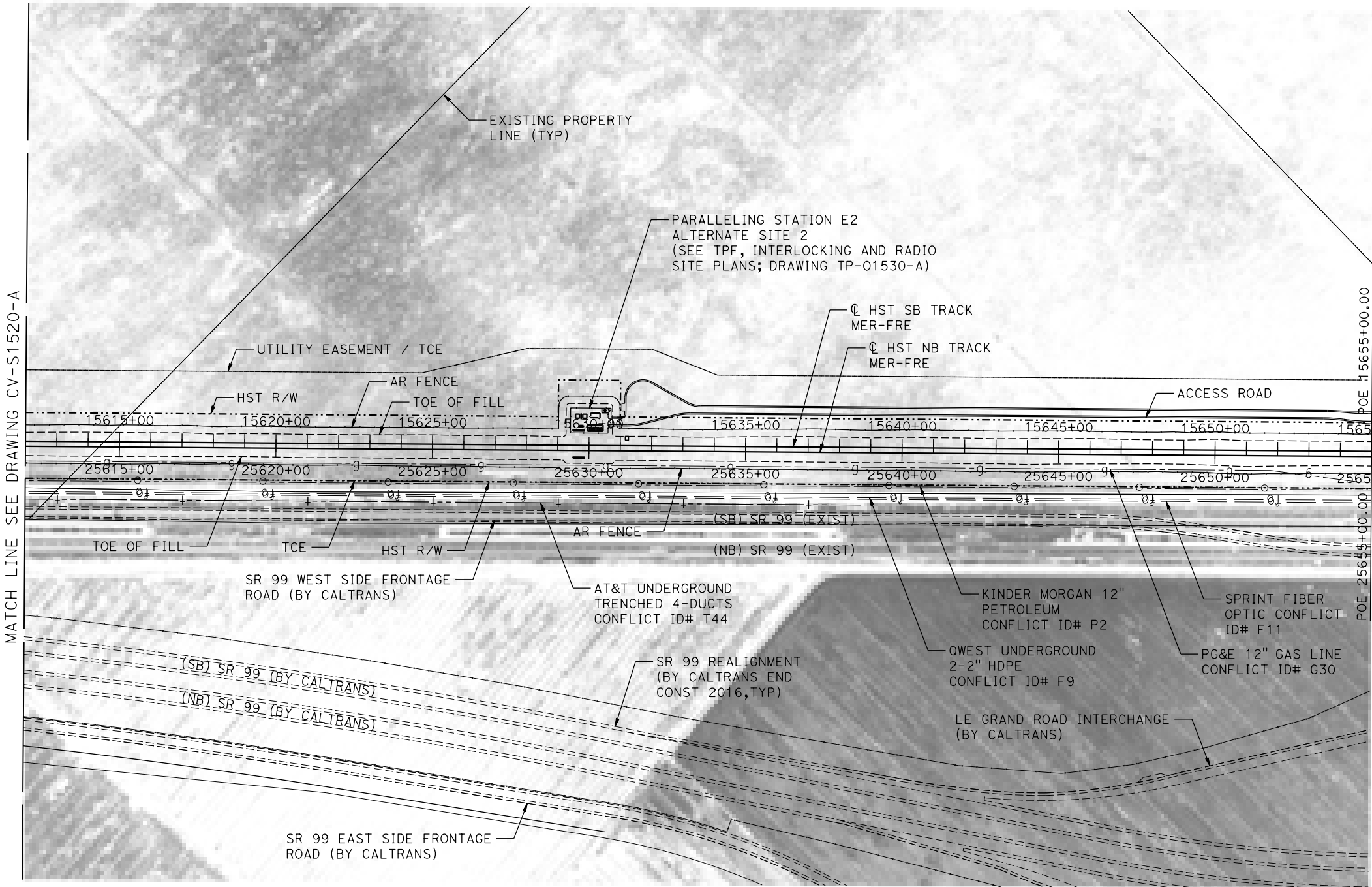
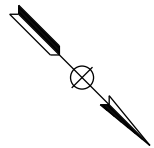
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15556+00 TO 15612+00

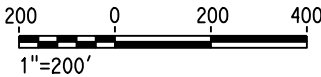
CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1520-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET  
HYBRID ALIGNMENT FOR CONTINATION

PLAN



p0042226 15-MAR-2016 4:15 MF-CV-S1530-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



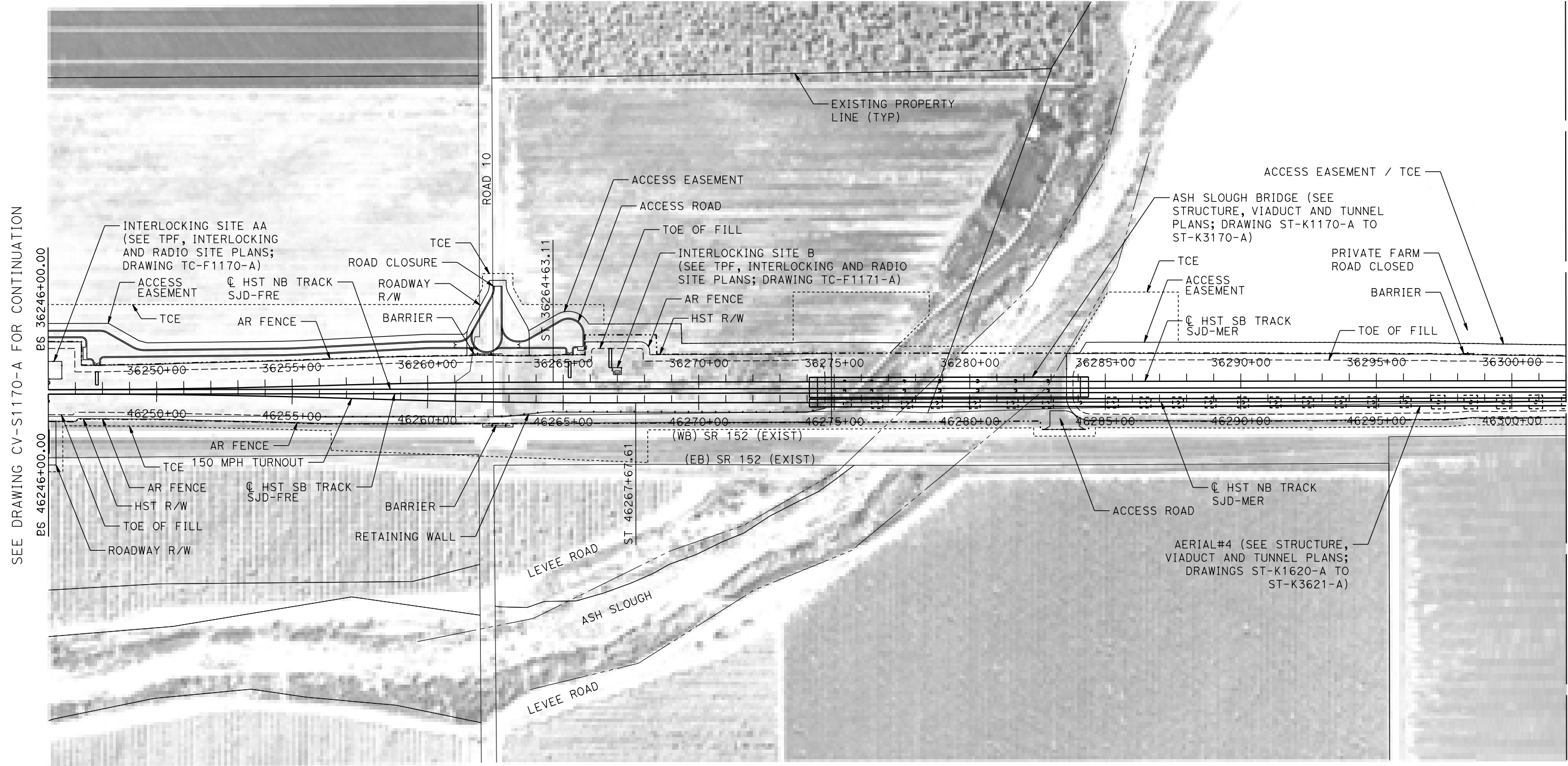
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
MER-FRE STA 15612+00 TO 15655+00

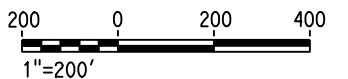
CONTRACT NO. HSR08-05
DRAWING NO. CV-S1530-A
SCALE 1"=200'
SHEET NO.



MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:16 MF-CV-S1610-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

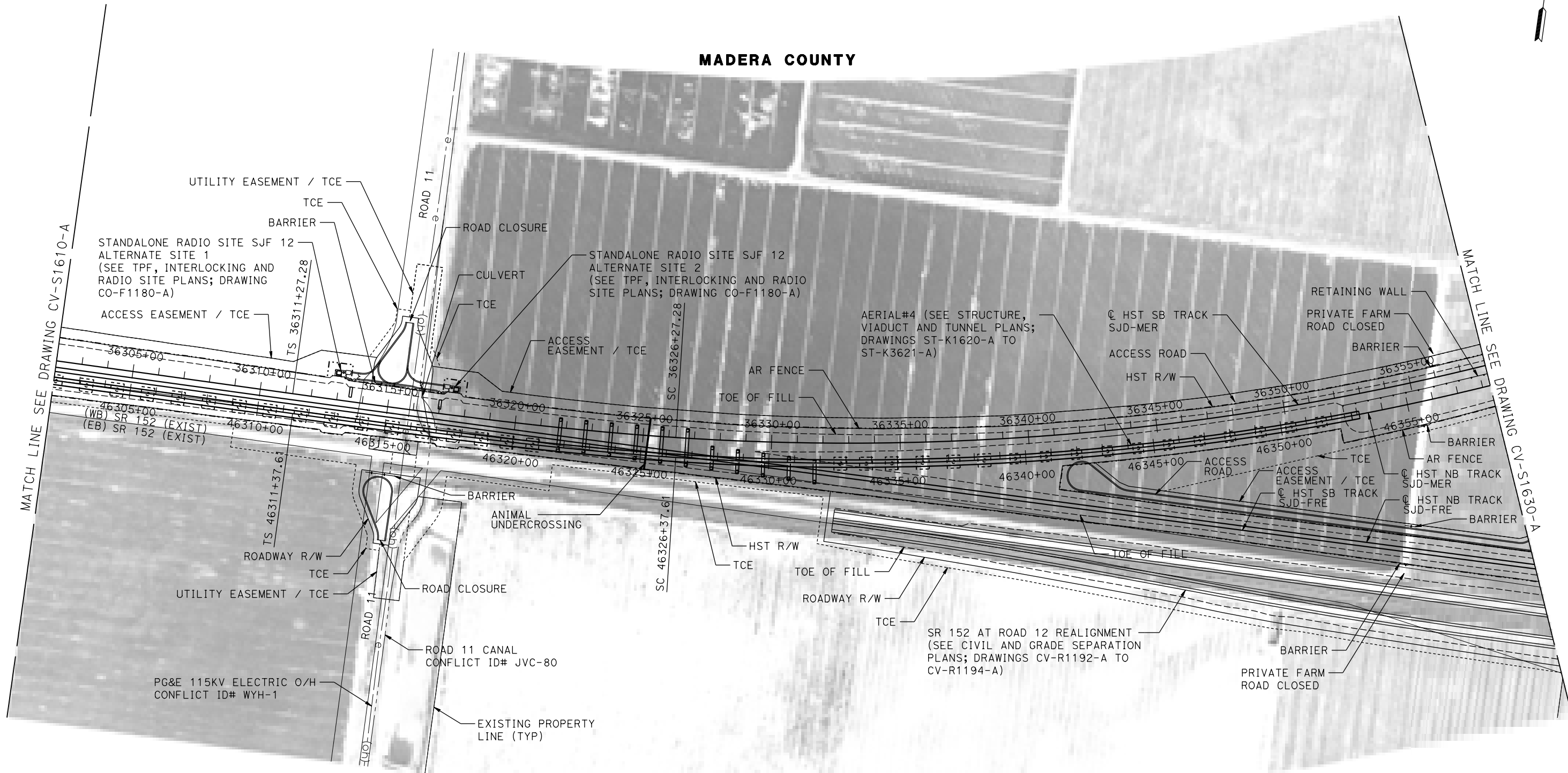
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER STA 36246+00 TO 36302+00

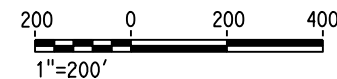
CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1610-A</b>
SCALE <b>1"=200'</b>
SHEET NO.



MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:17 MF-CV-S1620-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



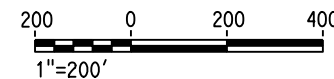
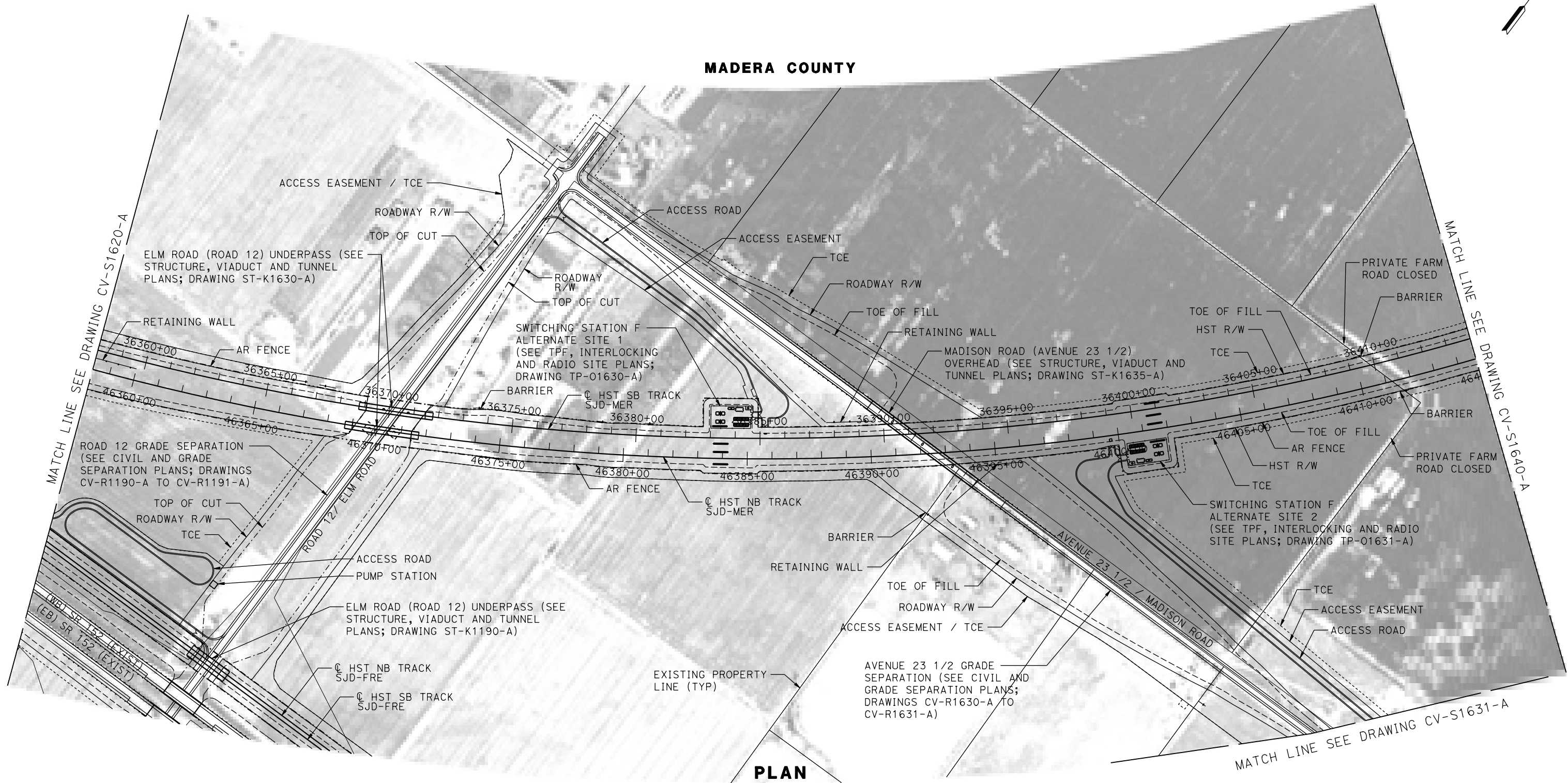
CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER STA 36302+00 TO 36358+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1620-A
SCALE 1"=200'
SHEET NO.

p0042226 15-MAR-2016 4:18 MF-CV-S1630-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>M. STANWIC</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

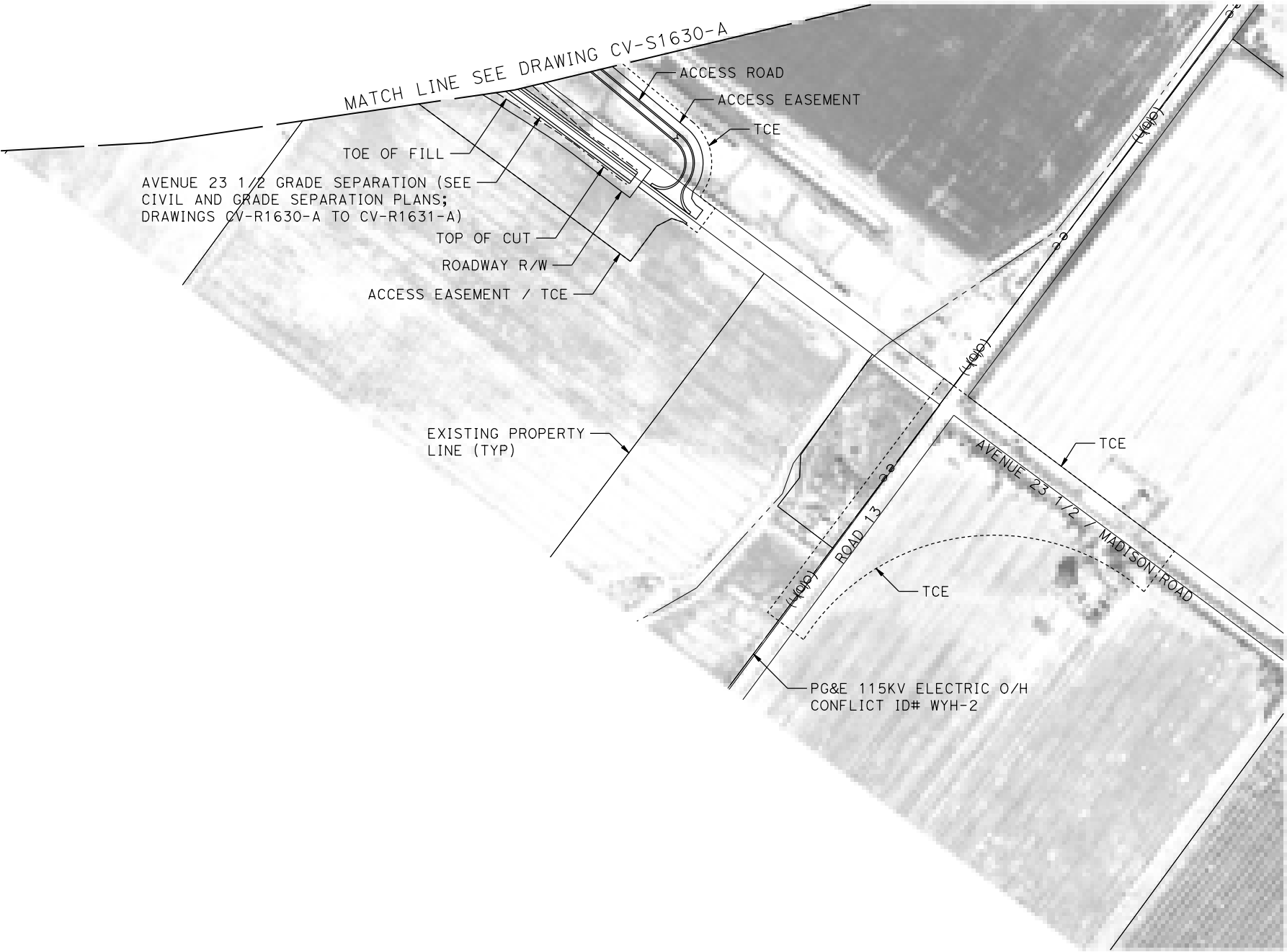
**NOT FOR**  
**CONSTRUCTION**



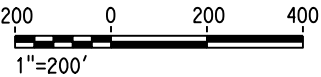
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER STA 36358+00 TO 36414+00

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-S1630-A</b>
SCALE <b>1"=200'</b>
SHEET NO.

MADERA COUNTY



PLAN



09-MAR-2016 15:12 MF-CV-S1631-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

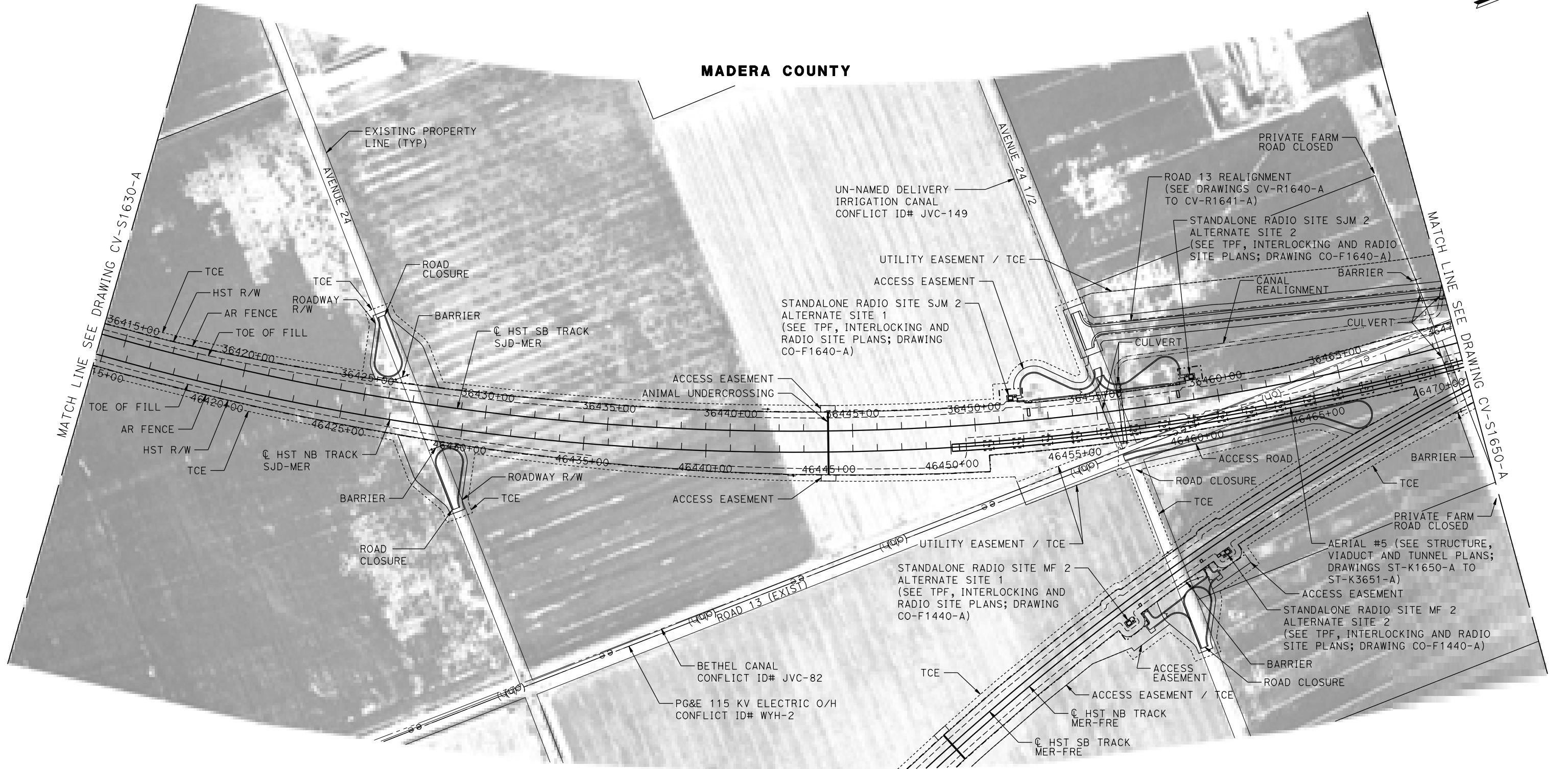


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

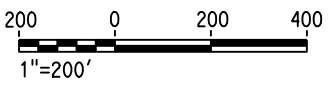
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER ACCESS ROAD

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1631-A
SCALE 1"=200'
SHEET NO.

15-MAR-2016 4:21 MF-CV-S1640-A.dgn



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



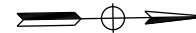
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER STA 36414+00 TO 36470+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1640-A
SCALE 1"=200'
SHEET NO.

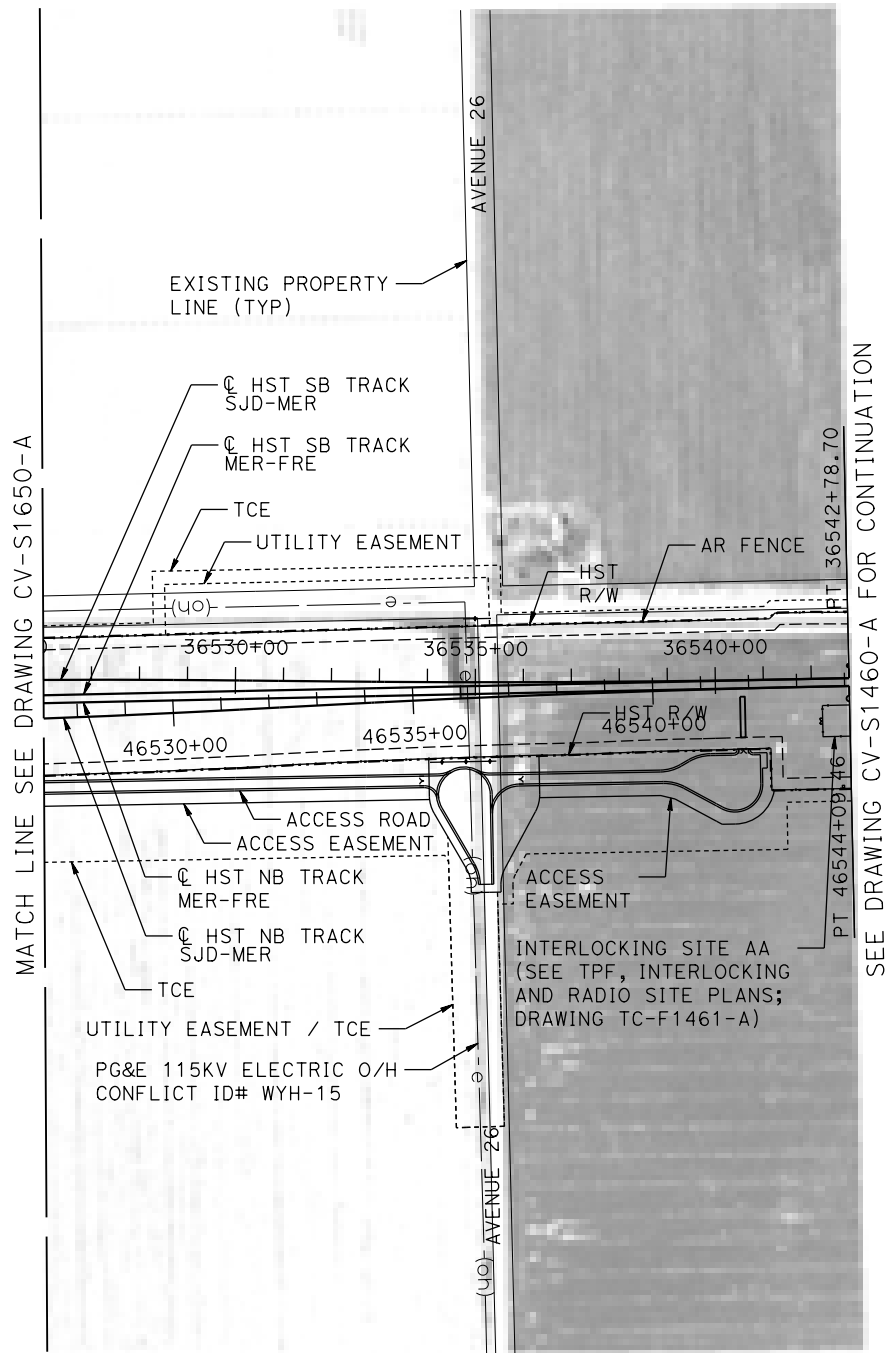




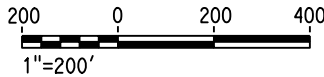




MADERA COUNTY



PLAN



p0042226 15-MAR-2016 4:23 MF-CV-S1660-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

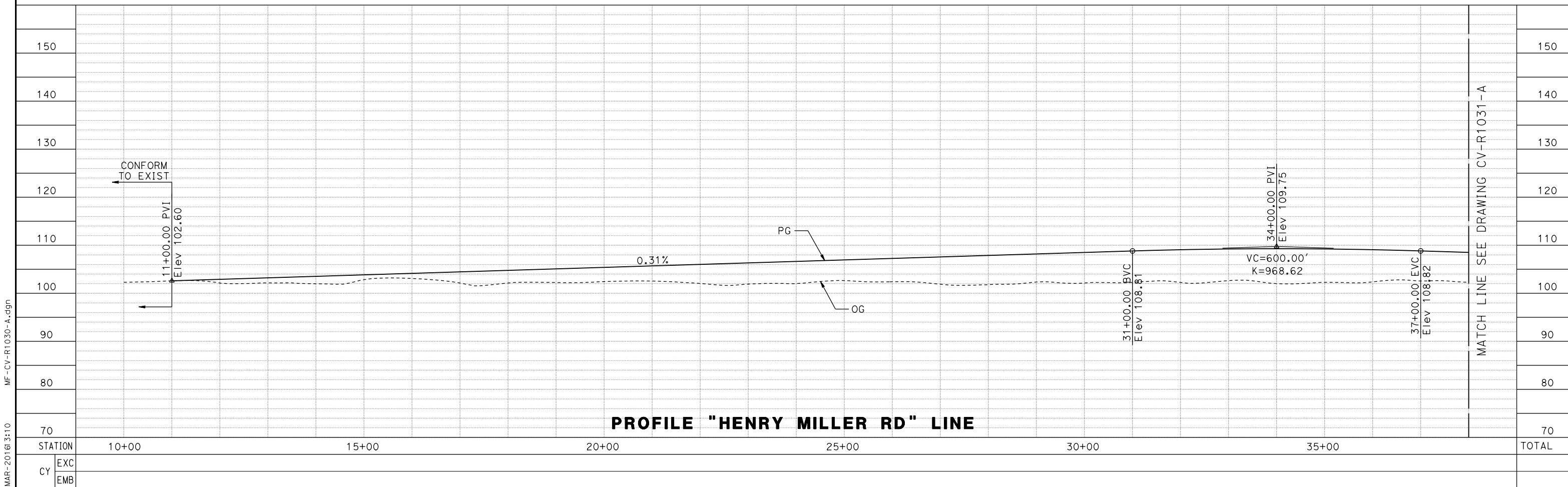
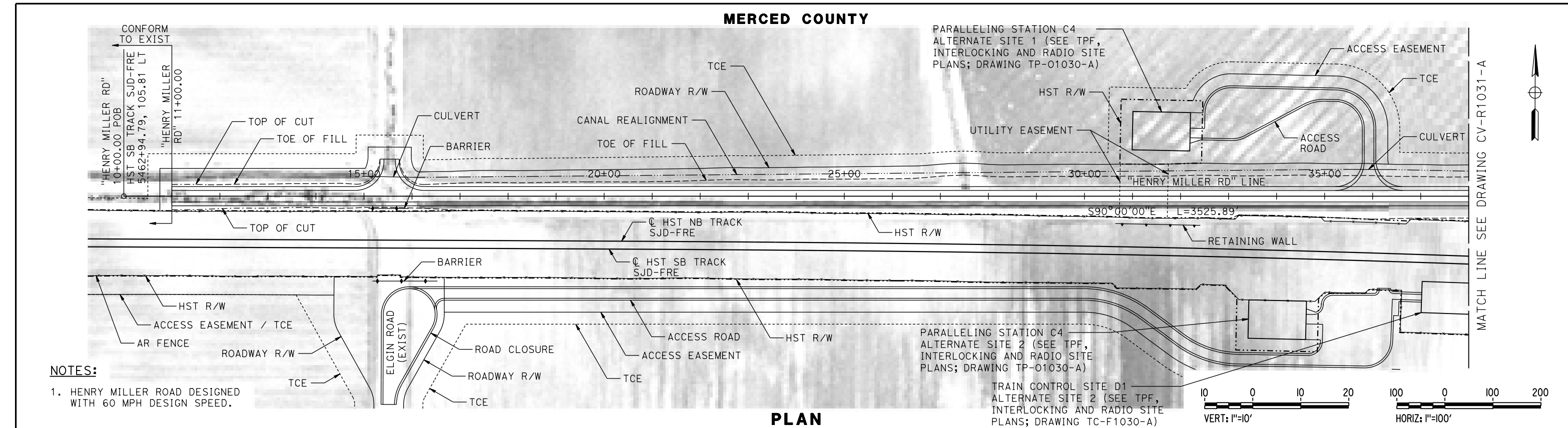
DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY M. STANWIC
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
CIVIL PLAN  
SJD-MER STA 36526+00 TO 36542+78.70

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1660-A
SCALE 1"=200'
SHEET NO.



DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE HENRY MILLER ROAD REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY A. GURA						DRAWING NO. CV-R1030-A
CHECKED BY J. RAY						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

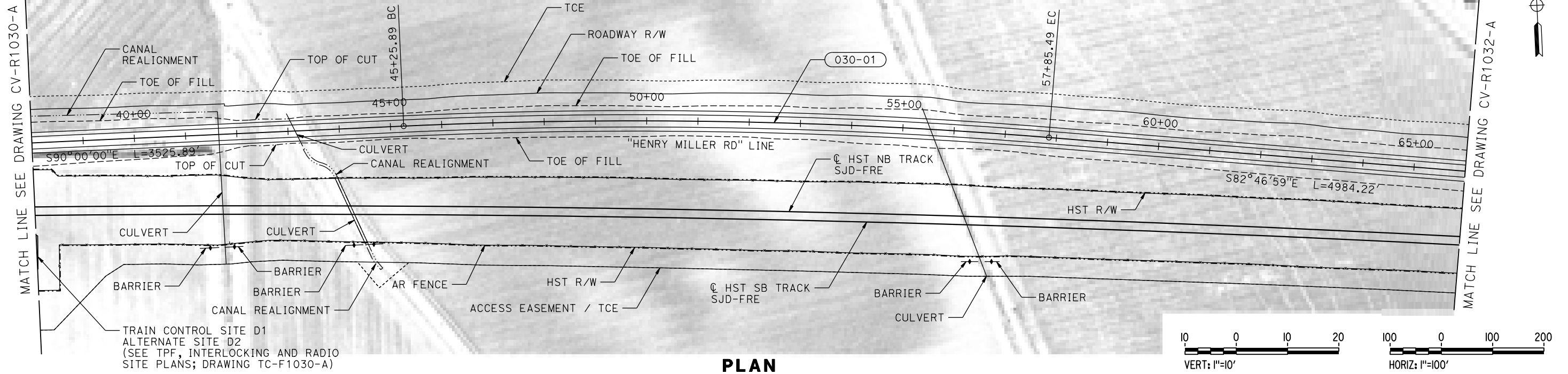
REV	DATE	BY	CHK	APP	DESCRIPTION

p0042226 15-MAR-2016 13:12 MF-CV-R1031-A.dgn

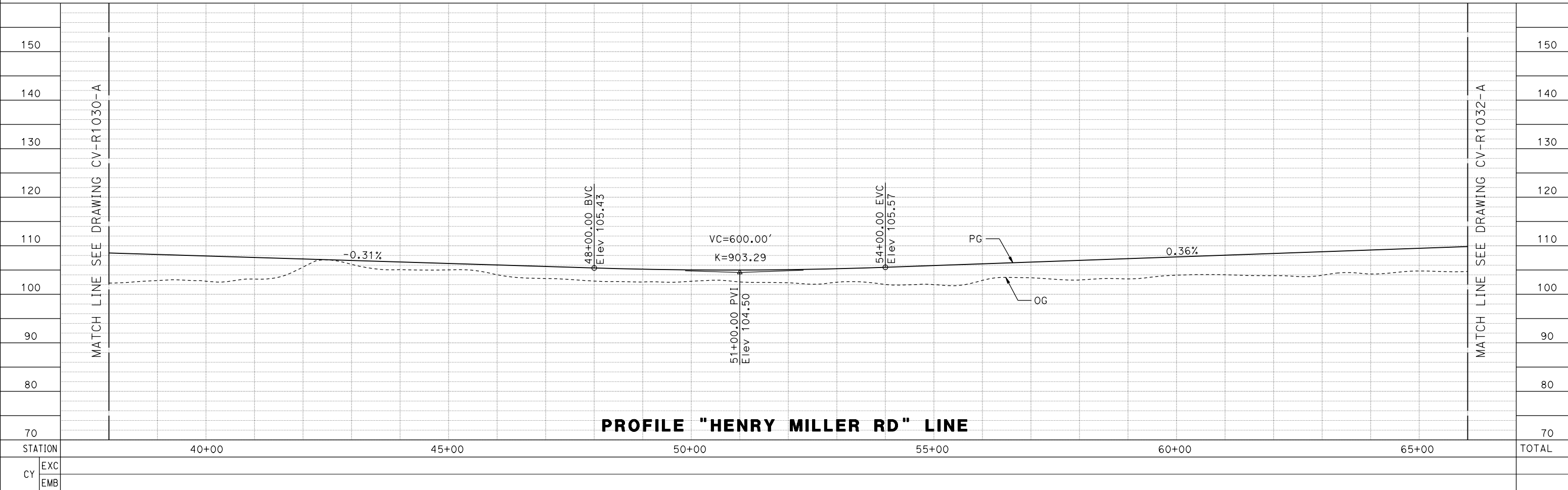
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

MERCED COUNTY



PROFILE "HENRY MILLER RD" LINE



DESIGNED BY  
A. GURA  
DRAWN BY  
A. GURA  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
HENRY MILLER ROAD REALIGNMENT

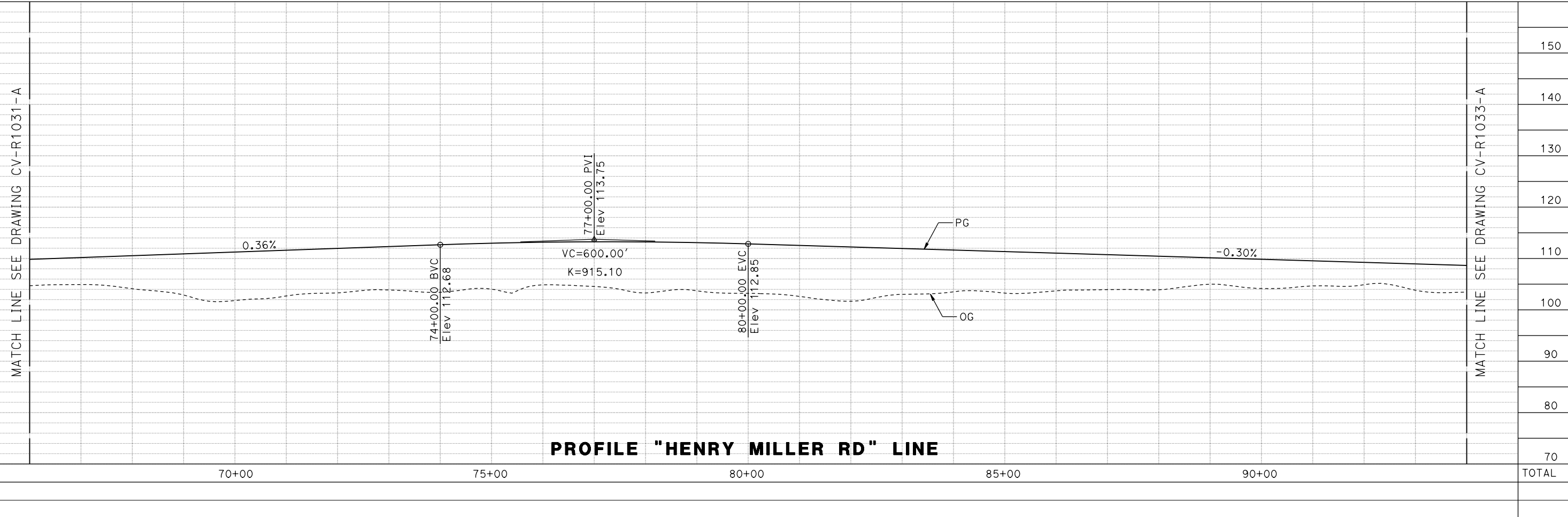
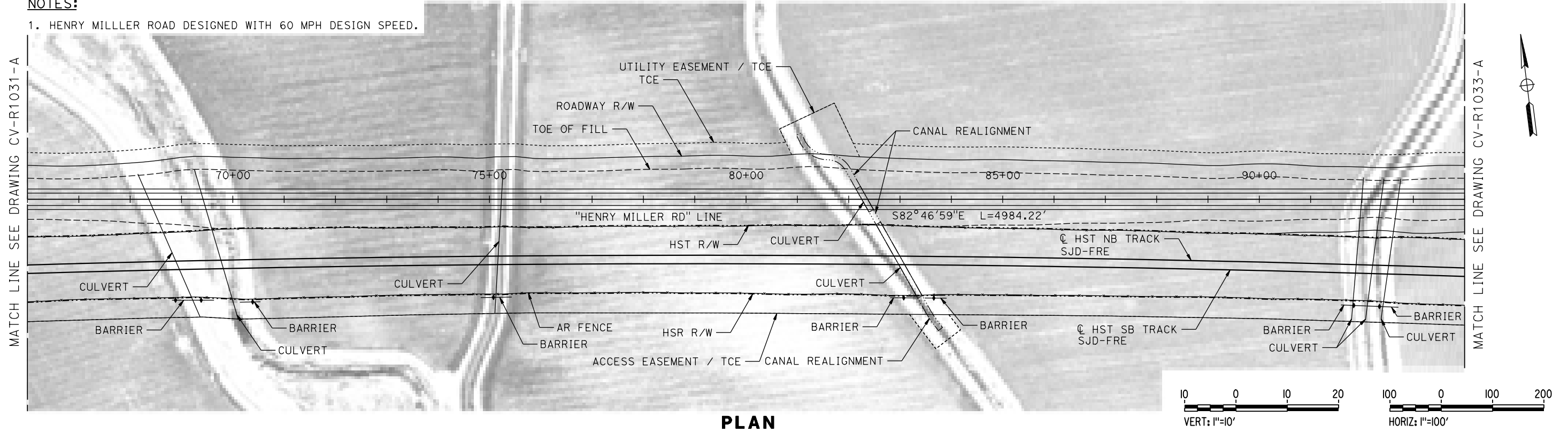
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1031-A  
SCALE  
AS SHOWN  
SHEET NO.

p0042226 16-MAR-2016 13:18 MF-CV-R1032-A.dgn

NOTES:

1. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

MERCED COUNTY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
A. GURA  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
HENRY MILLER ROAD REALIGNMENT

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1032-A  
SCALE  
AS SHOWN  
SHEET NO.

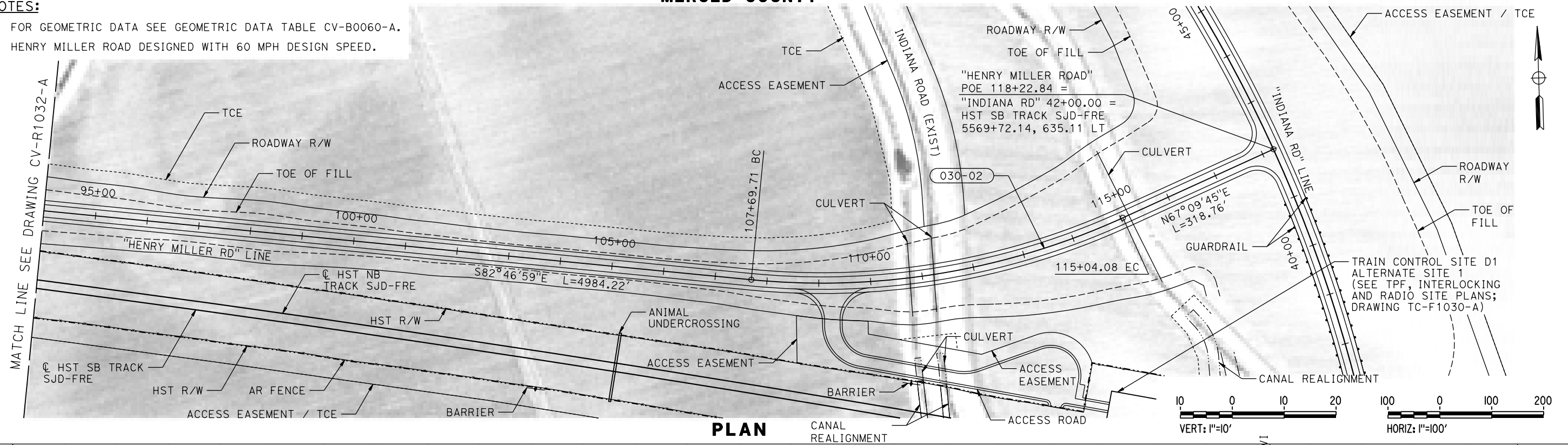
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p0042226

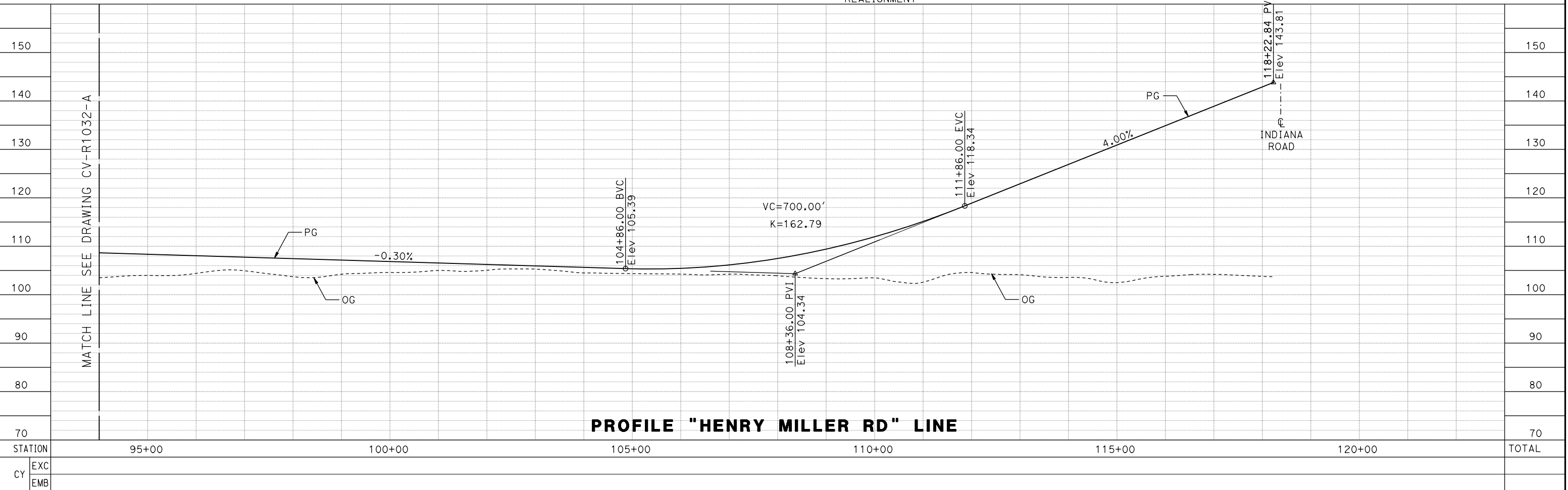
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

MERCED COUNTY



PROFILE "HENRY MILLER RD" LINE



DESIGNED BY  
A. GURA  
DRAWN BY  
A. GURA  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
HENRY MILLER ROAD REALIGNMENT

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1033-A  
SCALE  
AS SHOWN  
SHEET NO.

CONFORM TO EXIST

"INDIANA RD" POB 10+00.00 =  
HST SB TRACK SJD-FRE  
5574+01.46, 2461.20 RT

"INDIANA RD" 11+17.63

ROAD CLOSURE

BARRIER

ACCESS EASEMENT

ROADWAY R/W

TOE OF FILL

CANAL REALIGNMENT

BARRIER

ROAD CLOSURE

HST R/W

Q HST SB TRACK SJD-FRE

"INDIANA RD" 34+82.06 =  
HST SB TRACK SJD-FRE  
5573+00.06

GUARDRAIL

35+00

"INDIANA RD" 36+76.50 EB

GUARDRAIL

30+00

"INDIANA RD" 33+06.50 BB

GUARDRAIL

INDIANA ROAD (EXIST)

050-01

25+00

"INDIANA RD" LINE

20+00

15+00

ACCESS EASEMENT

ACCESS EASEMENT / TCE

TCE

BARRIER

TOE OF FILL

ROADWAY R/W

CANAL REALIGNMENT

BARRIER

ACCESS EASEMENT / TCE

PRIVATE FARM ROAD CLOSED

TCE

AR FENCE

Q HST NB TRACK SJD-FRE

HST R/W

TOE OF FILL

ROADWAY R/W

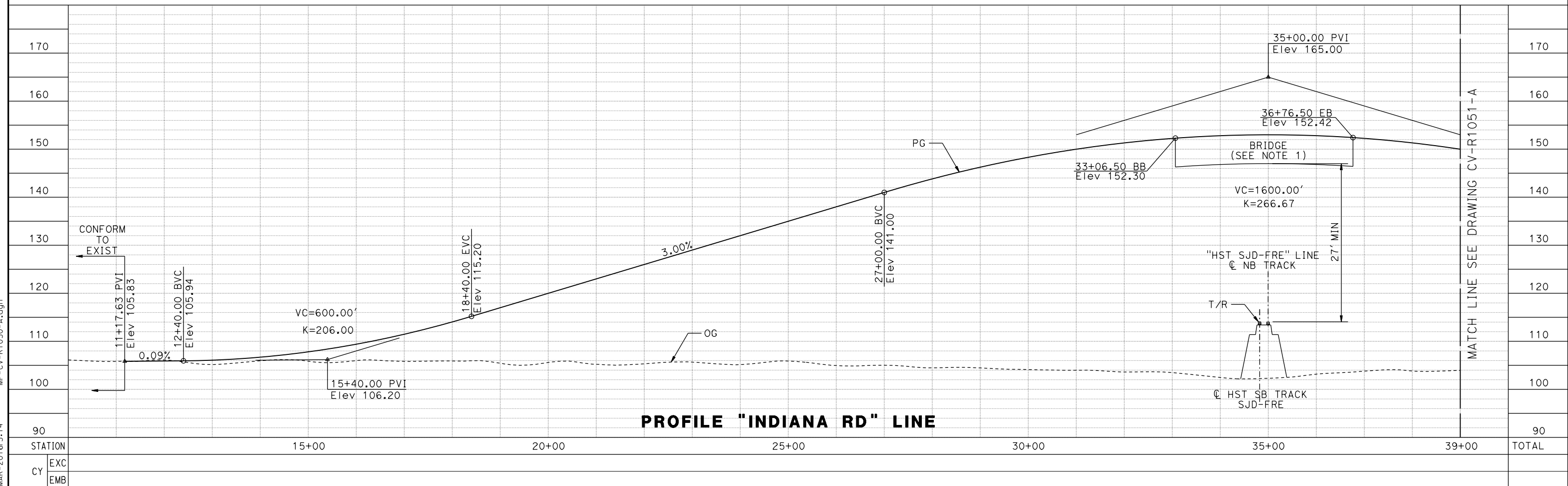
ACCESS EASEMENT / TCE

ATCH LINE SEE DRAWING CV-R1051-A

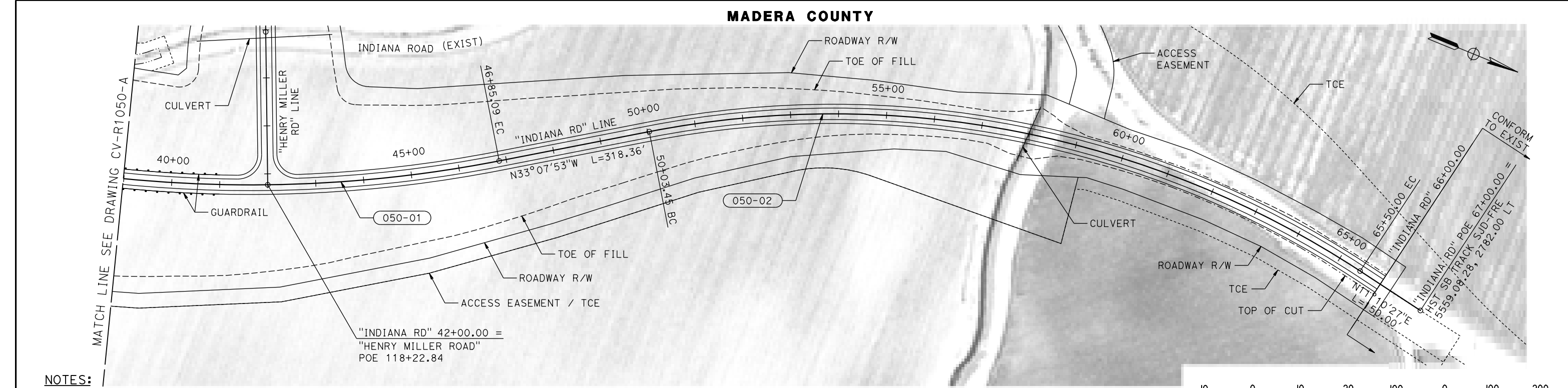
**NOTES:**

1. FOR DETAIL OF INDIANA RD OVERHEAD, SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1050-A.

1. FOR DETAIL OF INDIANA RD OVERHEAD, SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1050-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
3. INDIANA ROAD DESIGNED WITH 60 MPH DESIGN SPEED.



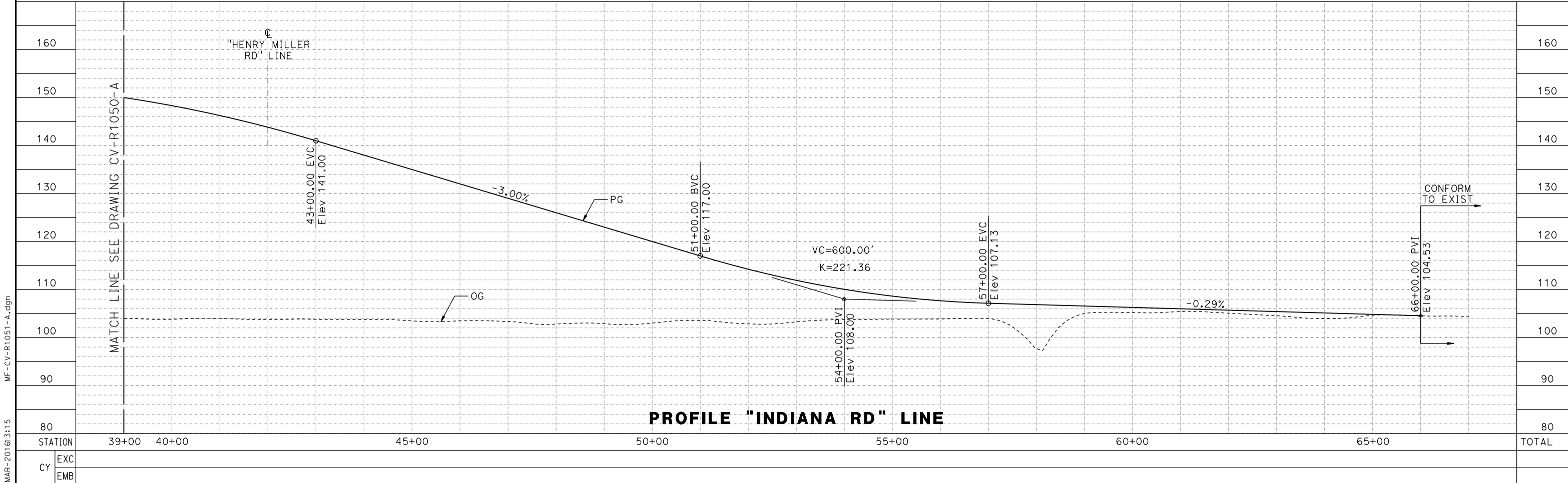
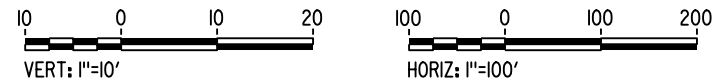
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**NOTES:**

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. INDIANA ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

**PLAN**



**PROFILE "INDIANA RD" LINE**

15-MAR-2016 13:15 MF-CV-R1051-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>J. RAY</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

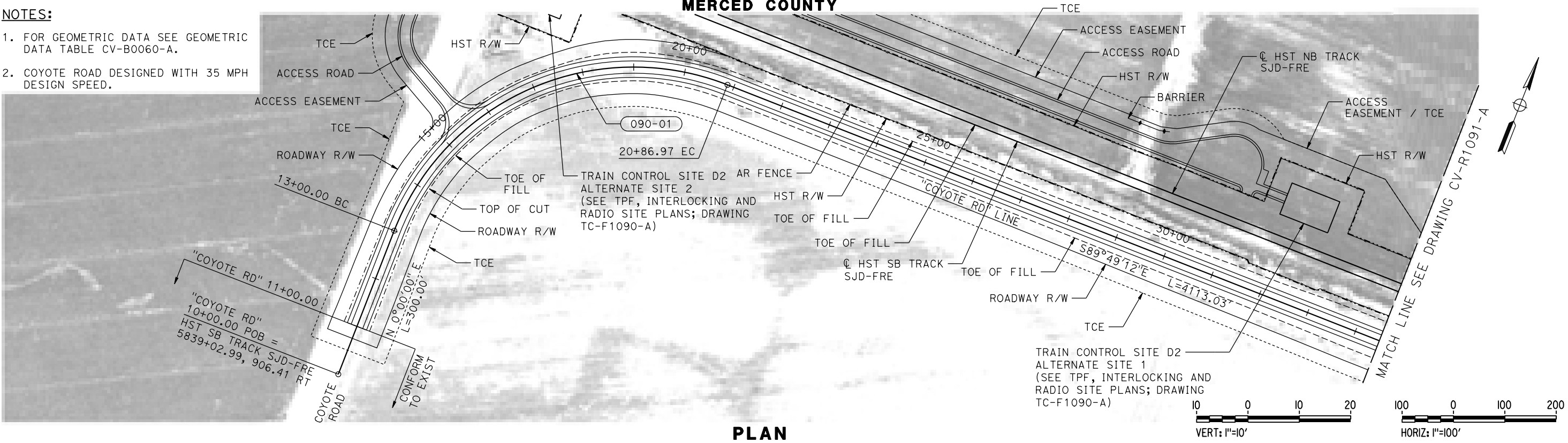
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
INDIANA ROAD GRADE SEPARATION

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-R1051-A</b>
SCALE <b>AS SHOWN</b>
SHEET NO.

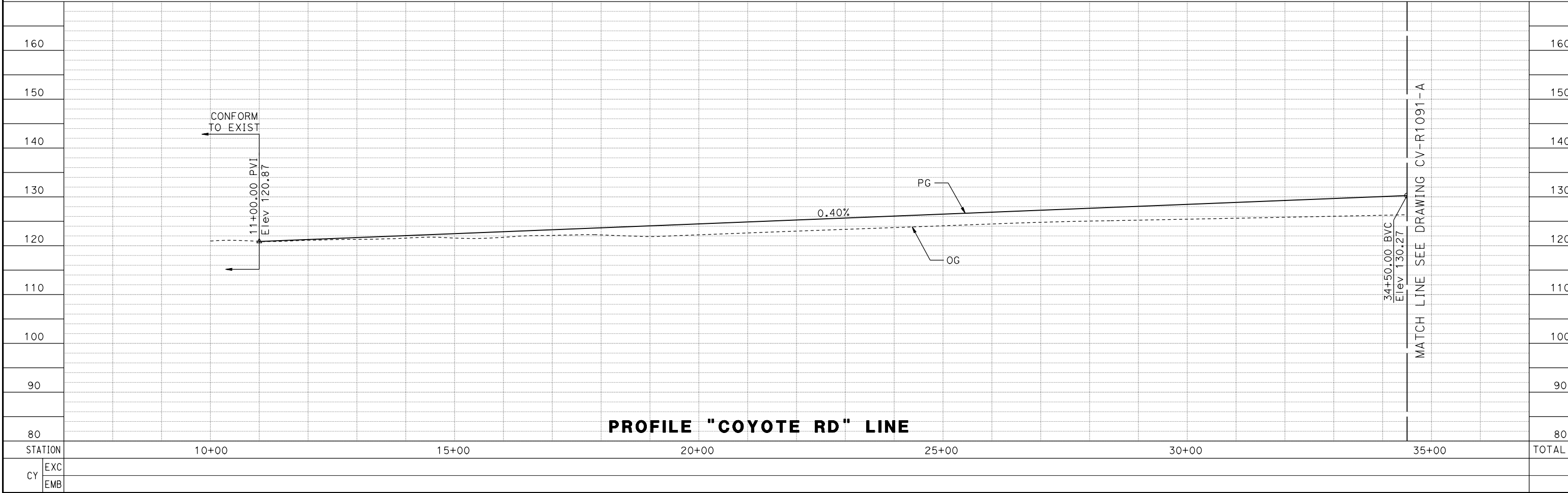


NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. COYOTE ROAD DESIGNED WITH 35 MPH DESIGN SPEED.

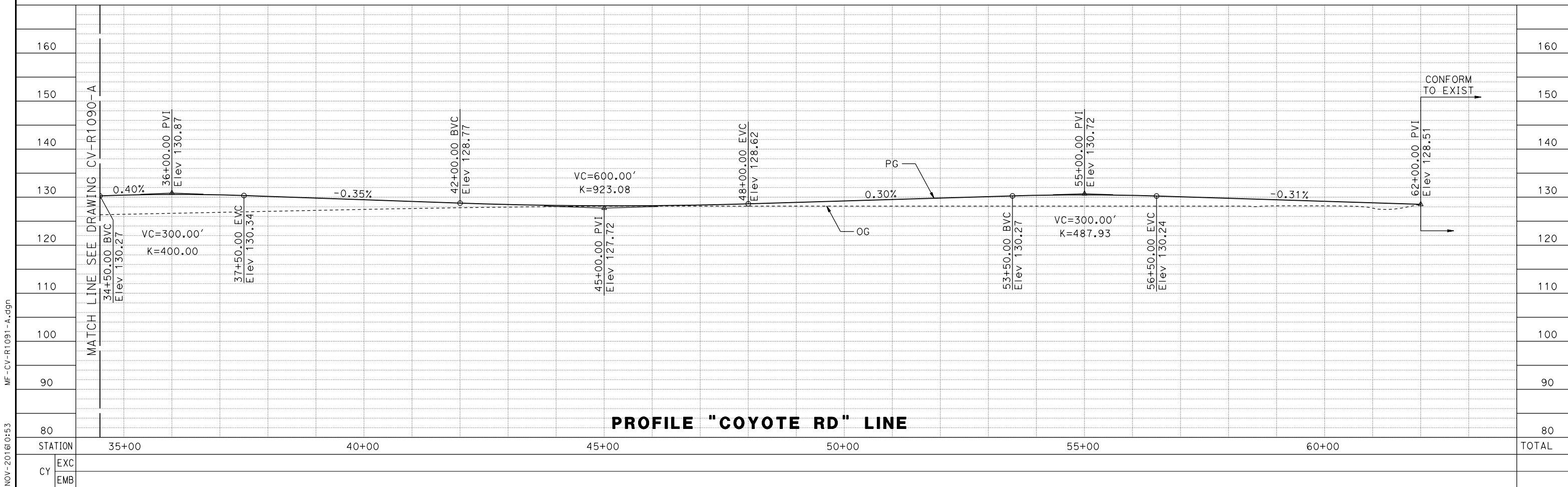
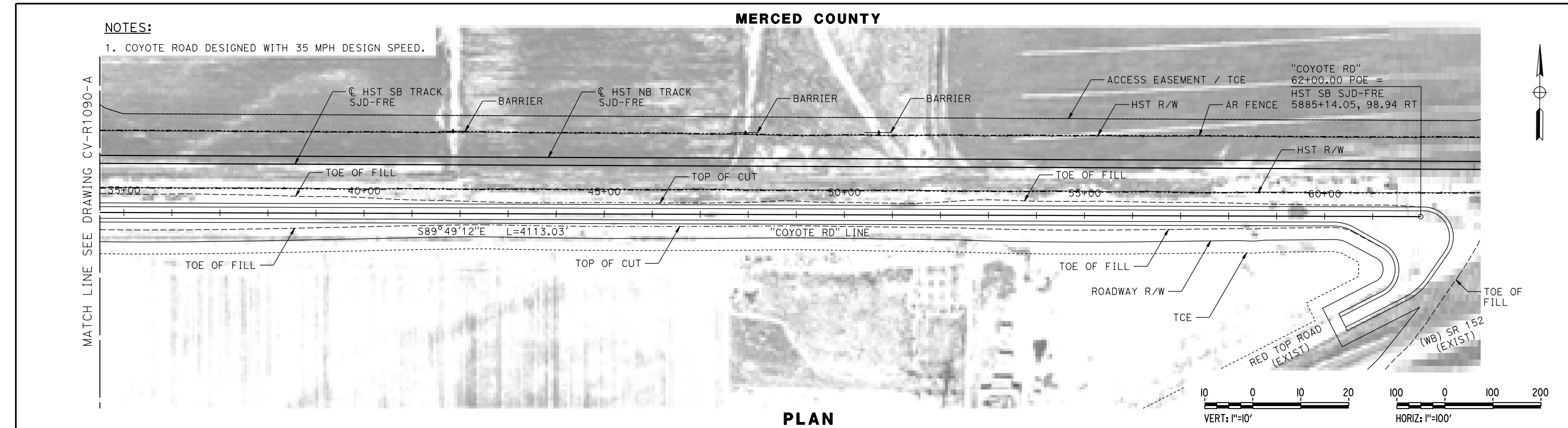


**PROFILE "COYOTE RD" LINE**



DESIGNED BY A. GURA						RECORD SET 15% DESIGN SUBMITTAL						NOT FOR CONSTRUCTION						CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION						CONTRACT NO. HSR08-05					
DRAWN BY A. GURA						CHECKED BY J. RAY						IN CHARGE C. LEMLEY						CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE						DRAWING NO. CV-R1090-A					
DATE 11/18/2016						SCALE AS SHOWN						SHEET NO.						PLAN AND PROFILE COYOTE ROAD REALIGNMENT											
REV	DATE	BY	CHK	APP	DESCRIPTION																								





DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE COYOTE ROAD REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY A. GURA						DRAWING NO. CV-R1091-A
CHECKED BY J. RAY						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 11/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

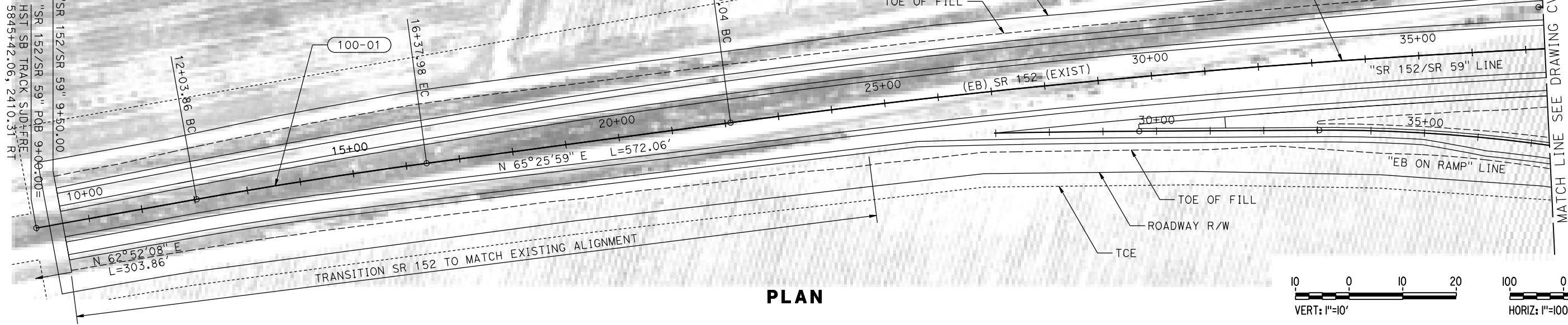
MERCED COUNTY

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.  
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.

CONFORM  
TO EXIST

"SR 152/SR 59" PCH 9+00.00=  
HST SB TRACK SJD+FR  
5845+42.06, 2410.31 RT



PLAN



CONFORM  
TO  
EXIST

9+50.00 PVI  
Elev 122.19

0.31%

PG  
OG

29+00.00 BVC  
Elev 128.25

33+00.00 PVI  
Elev 129.50

VC=800.00'  
K=1290.16

37+00.00 EVC  
Elev 128.26

PROFILE "SR 152/SR 59" LINE

MATCH LINE SEE DRAWING CV-R1101-A

09-MAR-2016 16:33:37 MF-CV-R1100-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



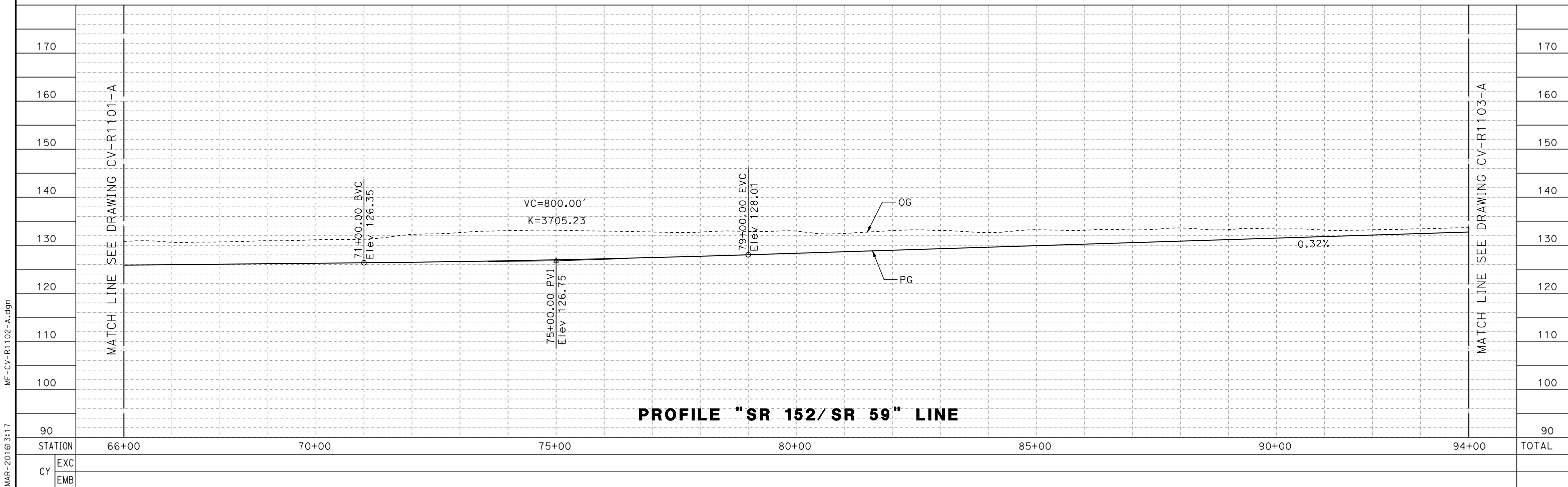
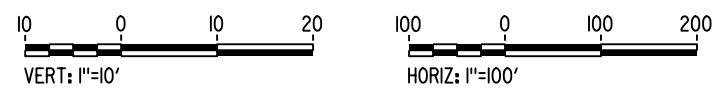
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT SR 59

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1100-A
SCALE AS SHOWN
SHEET NO.





RETAINING WALL  
GUARDRAIL  
70+00  
(EB) SR 152 (EXIST)  
(WB) SR 152 (EXIST)  
75+00  
TOE OF FILL  
"WB OFF RAMP" LINE  
TOE OF FILL  
GUARDRAIL  
70+00  
75+00  
"SR 152/SR 59" LINE  
80+00  
85+00  
90+00  
N 85°02'14" E L=973.62'  
BARRIER  
100-02  
83+68.55 EC  
100-03  
93+42.18 BC  
MATCH LINE SEE DRAWING CV-R1101-A  
MATCH LINE SEE DRAWING CV-R1103-A  
TOE OF FILL  
RETAINING WALL  
GUARDRAIL  
TOE OF FILL  
GUARDRAIL  
BARRIER  
ROADWAY R/W  
ACCESS EASEMENT / TCE  
TRANSITION SR 152 TO MATCH EXISTING ALIGNMENT  
HST NB TRACK SJD-FRE  
AR FENCE TCE  
HST R/W  
HST SB TRACK SJD-FRE  
HST R/W

## PLAN



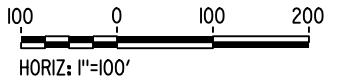
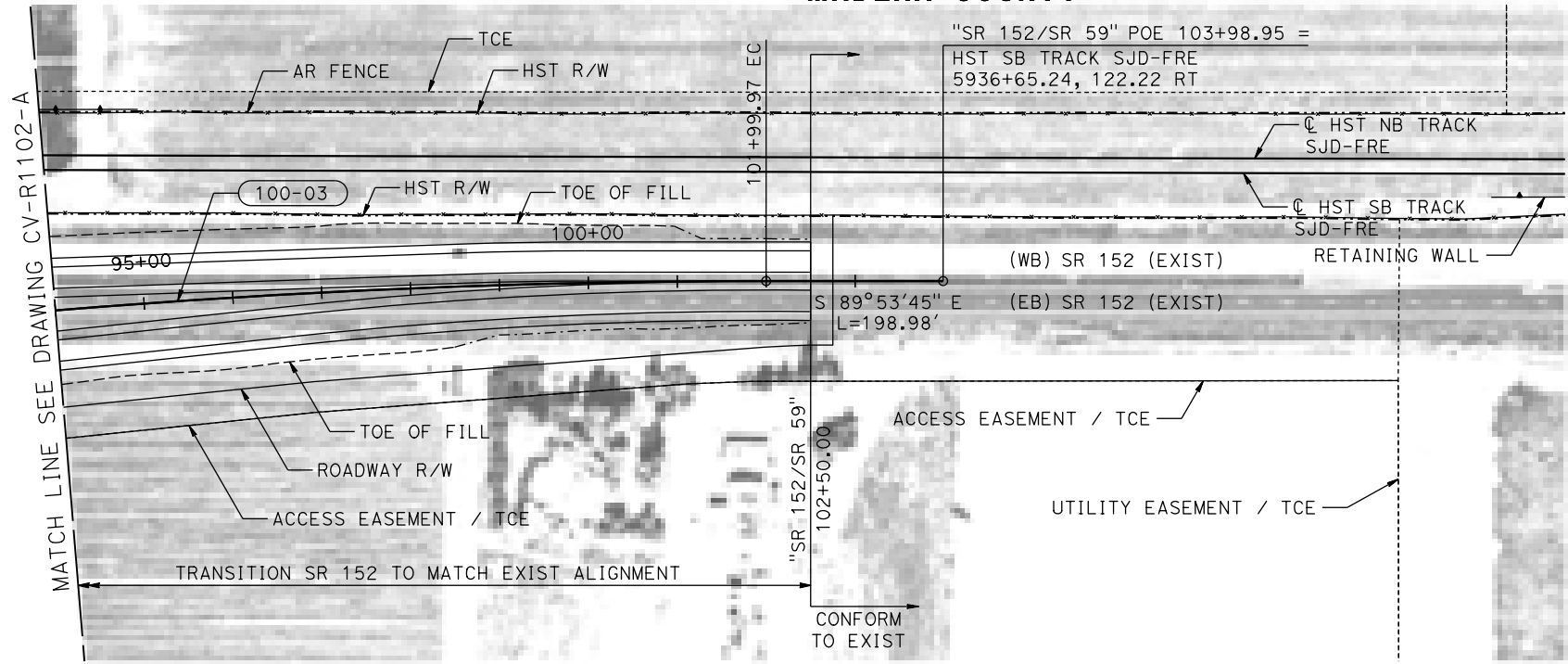
# PROFILE "SR 152/SR 59" LINE

1 p0042226							DESIGNED BY A. GURA	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 152 REALIGNMENT AT SR 59	CONTRACT NO. HSR08-05
							DRAWN BY M. TACTAY					DRAWING NO. CV-R1102-A
							CHECKED BY J. RAY					SCALE AS SHOWN
							IN CHARGE C. LEMLEY					SHEET NO.
							DATE 03/18/2016					
	REV	DATE	BY	CHK	APP	DESCRIPTION						

15-MAR-2016 13:18 MF-CV-R1103-A.dgn

p0042226

MADERA COUNTY

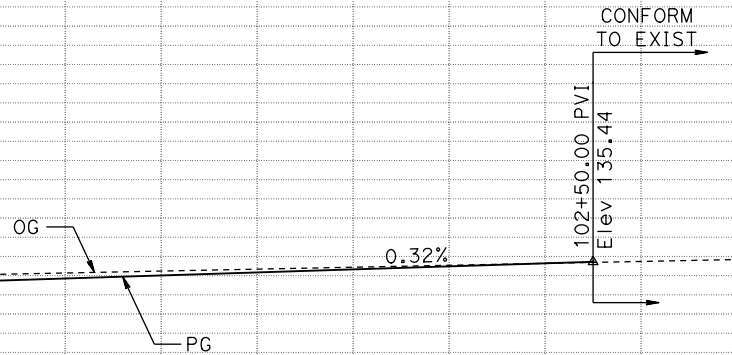


NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.

PLAN

MATCH LINE SEE DRAWING CV-R1102-A



PROFILE "SR 152/ SR 59" LINE

94+00

100+00

105+00

110+00

TOTAL

STATION

EXC  
CY EMB

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

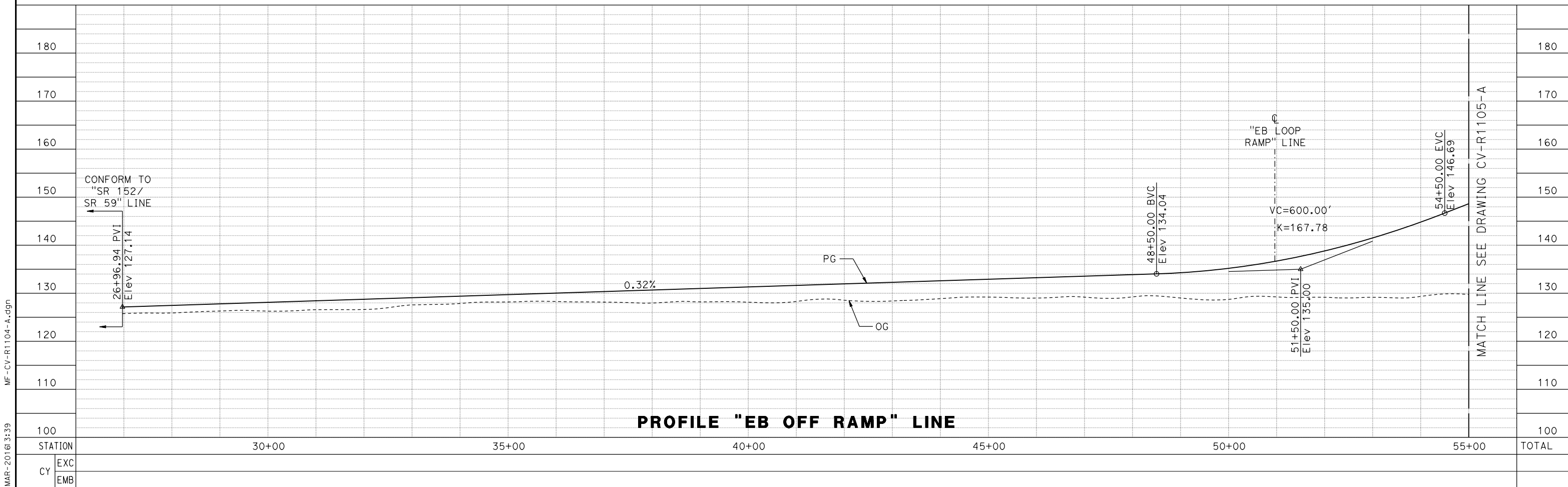
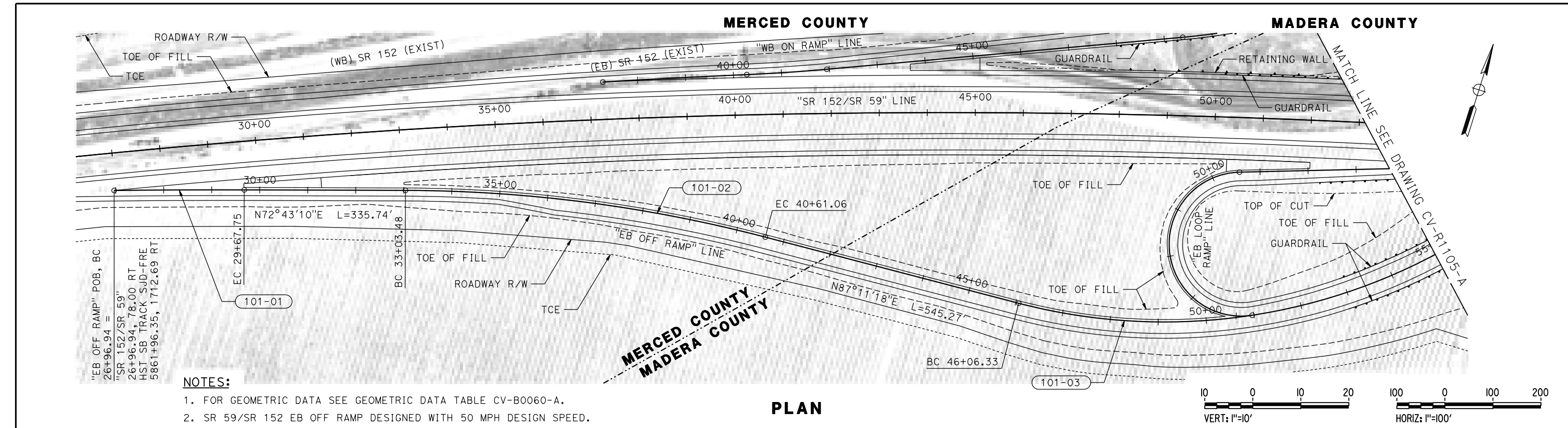


CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

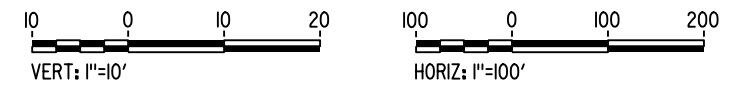
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT SR 59

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1103-A
SCALE AS SHOWN
SHEET NO.



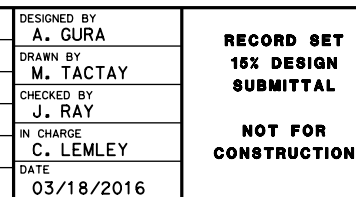
DESIGNED BY <b>A. GURA</b>	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR</b> CONSTRUCTION			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 59/SR 152 EB OFF RAMP GRADE SEPARATION	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>					DRAWING NO. CV-R1104-A
CHECKED BY <b>J. RAY</b>					SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>					SHEET NO.
DATE <b>03/18/2016</b>					

REV	DATE	BY	CHK	APP	DESCRIPTION

**MERCED COUNTY**

## PLAN

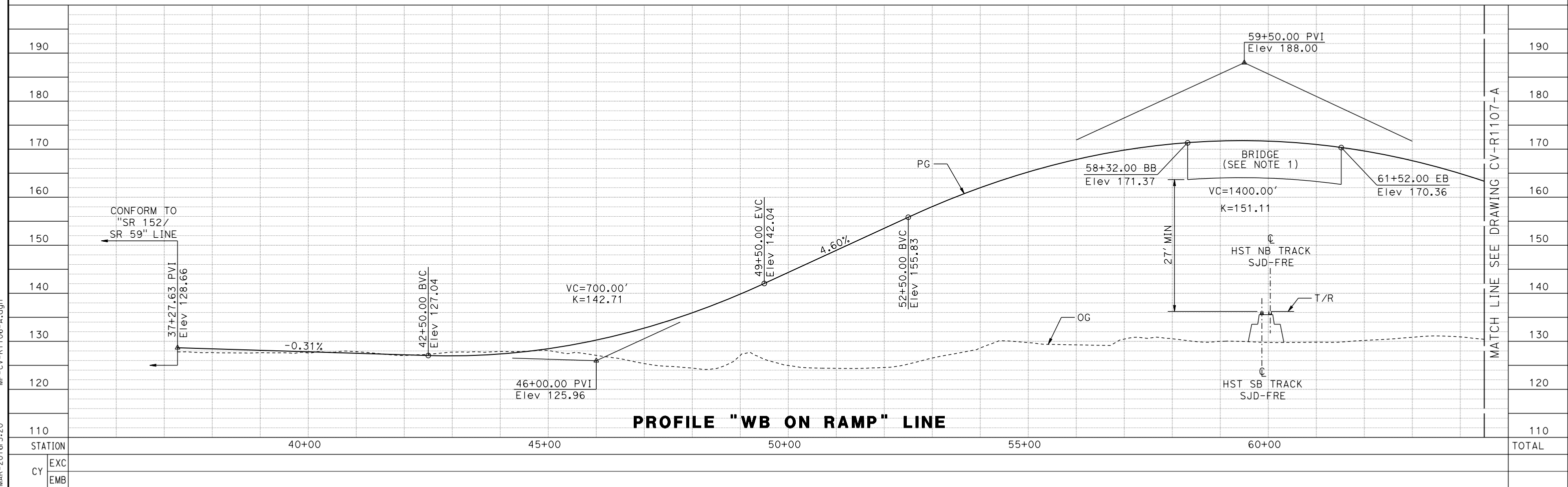
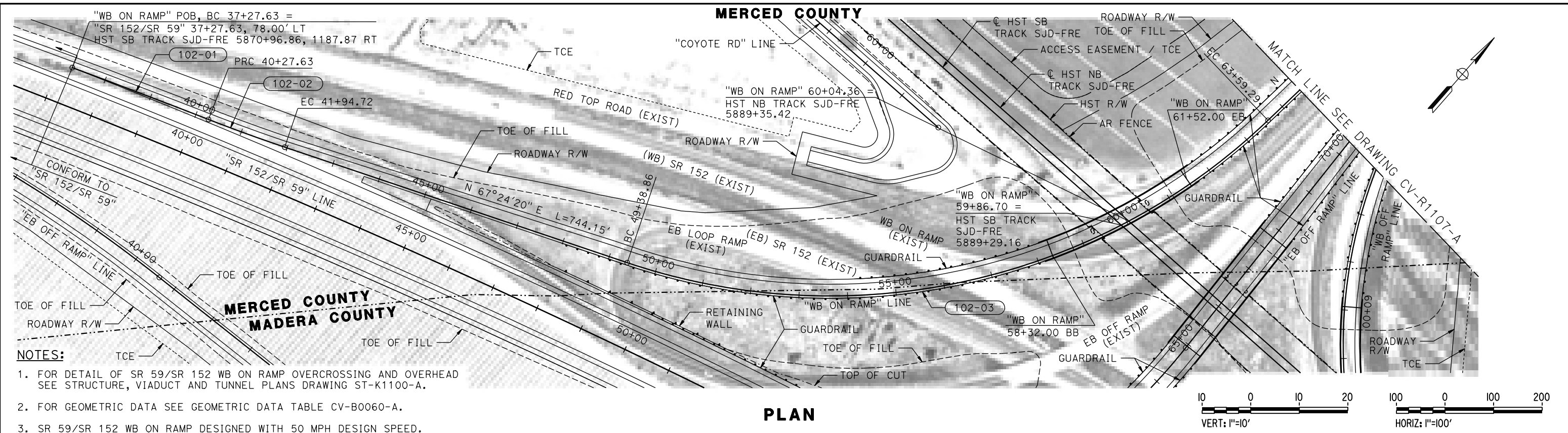
- # PROFILE "EB OFF RAMP" LINE





CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 59/SR 152 EB OFF RAMP GRADE SEPARATION

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-R1105-A
SCALE	AS SHOWN
SHEET NO.	





						DESIGNED BY A. GURA	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 59/SR 152 WB ON RAMP GRADE SEPARATION	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-R1106-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					



PLAN VIEW

MATCH LINE SEE DRAWING CV-R1106-A

ACCESS EASEMENT / TCE

ROADWAY R/W

TOE OF FILL

"WB ON RAMP" LINE

"WB ON RAMP" POE, PI  
76+52.39 =

"EB OFF RAMP" SJD-FRE  
82+45.04

HST SB TRACK

5891+20.44, 1650.45 LT

SR 59 /  
LOS BANOS HIGHWAY  
(EXIST)

ACCESS EASEMENT

CONFORM TO  
"EB OFF  
RAMP" LINE

TOP OF CUT

TCE

TOE OF FILL

ROADWAY R/W

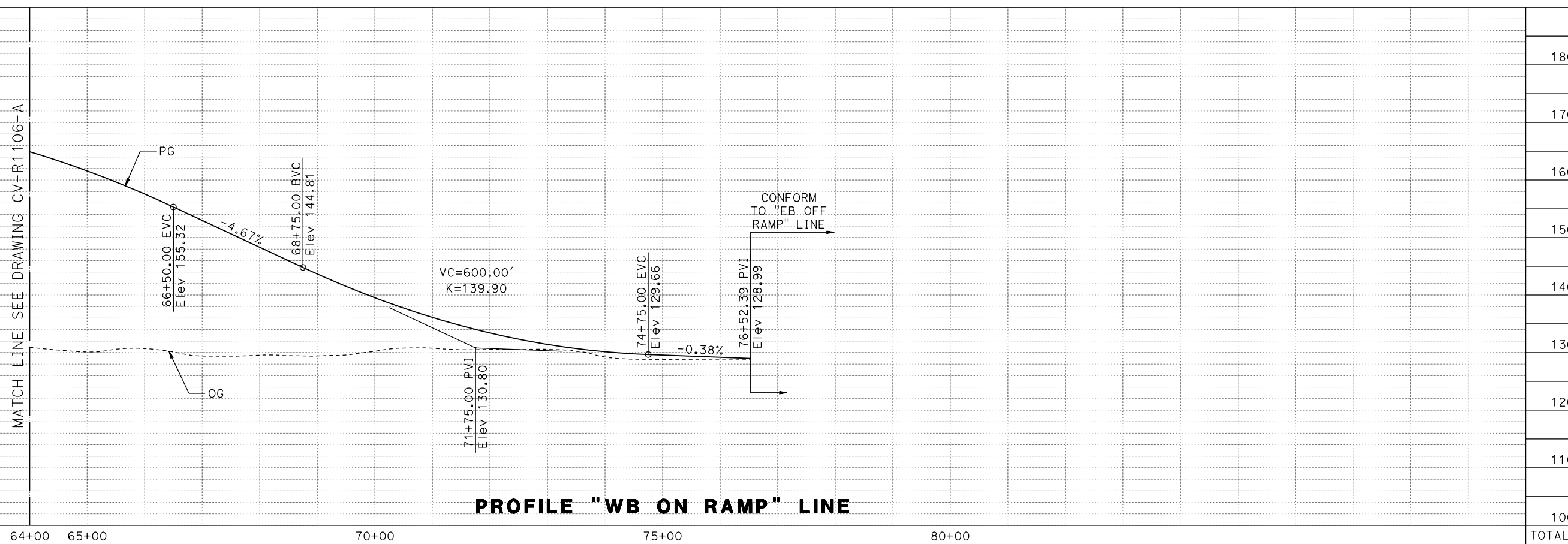
"WB OFF RAMP" LINE

"EB OFF RAMP" LINE

(WB) ON RAMP (EXIST)

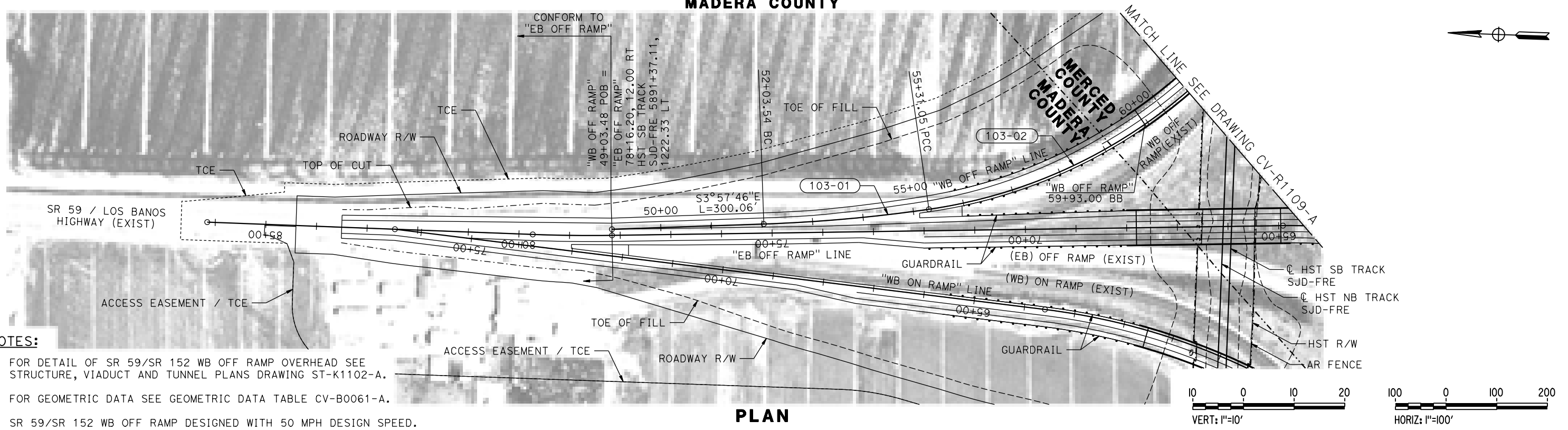
00+00 00+05 00+10 00+15 00+20 00+25 00+30 00+35 00+40 00+45 00+50 00+55 00+60 00+65 00+70 00+75 00+80 00+85 00+90 00+95 01+00 01+05 01+10 01+15 01+20 01+25 01+30 01+35 01+40 01+45 01+50 01+55 01+60 01+65 01+70 01+75 01+80 01+85 01+90 01+95 02+00 02+05 02+10 02+15 02+20 02+25 02+30 02+35 02+40 02+45 02+50 02+55 02+60 02+65 02+70 02+75 02+80 02+85 02+90 02+95 03+00 03+05 03+10 03+15 03+20 03+25 03+30 03+35 03+40 03+45 03+50 03+55 03+60 03+65 03+70 03+75 03+80 03+85 03+90 03+95 04+00 04+05 04+10 04+15 04+20 04+25 04+30 04+35 04+40 04+45 04+50 04+55 04+60 04+65 04+70 04+75 04+80 04+85 04+90 04+95 05+00 05+05 05+10 05+15 05+20 05+25 05+30 05+35 05+40 05+45 05+50 05+55 05+60 05+65 05+70 05+75 05+80 05+85 05+90 05+95 06+00 06+05 06+10 06+15 06+20 06+25 06+30 06+35 06+40 06+45 06+50 06+55 06+60 06+65 06+70 06+75 06+80 06+85 06+90 06+95 07+00 07+05 07+10 07+15 07+20 07+25 07+30 07+35 07+40 07+45 07+50 07+55 07+60 07+65 07+70 07+75 07+80 07+85 07+90 07+95 08+00 08+05 08+10 08+15 08+20 08+25 08+30 08+35 08+40 08+45 08+50 08+55 08+60 08+65 08+70 08+75 08+80 08+85 08+90 08+95 09+00 09+05 09+10 09+15 09+20 09+25 09+30 09+35 09+40 09+45 09+50 09+55 09+60 09+65 09+70 09+75 09+80 09+85 09+90 09+95 10+00 10+05 10+10 10+15 10+20 10+25 10+30 10+35 10+40 10+45 10+50 10+55 10+60 10+65 10+70 10+75 10+80 10+85 10+90 10+95 11+00 11+05 11+10 11+15 11+20 11+25 11+30 11+35 11+40 11+45 11+50 11+55 11+60 11+65 11+70 11+75 11+80 11+85 11+90 11+95 12+00 12+05 12+10 12+15 12+20 12+25 12+30 12+35 12+40 12+45 12+50 12+55 12+60 12+65 12+70 12+75 12+80 12+85 12+90 12+95 13+00 13+05 13+10 13+15 13+20 13+25 13+30 13+35 13+40 13+45 13+50 13+55 13+60 13+65 13+70 13+75 13+80 13+85 13+90 13+95 14+00 14+05 14+10 14+15 14+20 14+25 14+30 14+35 14+40 14+45 14+50 14+55 14+60 14+65 14+70 14+75 14+80 14+85 14+90 14+95 15+00 15+05 15+10 15+15 15+20 15+25 15+30 15+35 15+40 15+45 15+50 15+55 15+60 15+65 15+70 15+75 15+80 15+85 15+90 15+95 16+00 16+05 16+10 16+15 16+20 16+25 16+30 16+35 16+40 16+45 16+50 16+55 16+60 16+65 16+70 16+75 16+80 16+85 16+90 16+95 17+00 17+05 17+10 17+15 17+20 17+25 17+30 17+35 17+40 17+45 17+50 17+55 17+60 17+65 17+70 17+75 17+80 17+85 17+90 17+95 18+00 18+05 18+10 18+15 18+20 18+25 18+30 18+35 18+40 18+45 18+50 18+55 18+60 18+65 18+70 18+75 18+80 18+85 18+90 18+95 19+00 19+05 19+10 19+15 19+20 19+25 19+30 19+35 19+40 19+45 19+50 19+55 19+60 19+65 19+70 19+75 19+80 19+85 19+90 19+95 20+00 20+05 20+10 20+15 20+20 20+25 20+30 20+35 20+40 20+45 20+50 20+55 20+60 20+65 20+70 20+75 20+80 20+85 20+90 20+95 21+00 21+05 21+10 21+15 21+20 21+25 21+30 21+35 21+40 21+45 21+50 21+55 21+60 21+65 21+70 21+75 21+80 21+85 21+90 21+95 22+00 22+05 22+10 22+15 22+20 22+25 22+30 22+35 22+40 22+45 22+50 22+55 22+60 22+65 22+70 22+75 22+80 22+85 22+90 22+95 23+00 23+05 23+10 23+15 23+20 23+25 23+30 23+35 23+40 23+45 23+50 23+55 23+60 23+65 23+70 23+75 23+80 23+85 23+90 23+95 24+00 24+05 24+10 24+15 24+20 24+25 24+30 24+35 24+40 24+45 24+50 24+55 24+60 24+65 24+70 24+75 24+80 24+85 24+90 24+95 25+00 25+05 25+10 25+15 25+20 25+25 25+30 25+35 25+40 25+45 25+50 25+55 25+60 25+65 25+70 25+75 25+80 25+85 25+90 25+95 26+00 26+05 26+10 26+15 26+20 26+25 26+30 26+35 26+40 26+45 26+50 26+55 26+60 26+65 26+70 26+75 26+80 26+85 26+90 26+95 27+00 27+05 27+10 27+15 27+20 27+25 27+30 27+35 27+40 27+45 27+50 27+55 27+60 27+65 27+70 27+75 27+80 27+85 27+90 27+95 28+00 28+05 28+10 28+15 28+20 28+25 28+30 28+35 28+40 28+45 28+50 28+55 28+60 28+65 28+70 28+75 28+80 28+85 28+90 28+95 29+00 29+05 29+10 29+15 29+20 29+25 29+30 29+35 29+40 29+45 29+50 29+55 29+60 29+65 29+70 29+75 29+80 29+85 29+90 29+95 30+00 30+05 30+10 30+15 30+20 30+25 30+30 30+35

1. SR 59/SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

[illegible]

MF-CV-R1108-A.dgn  
15-MAR-2016 3:21  
p0042226

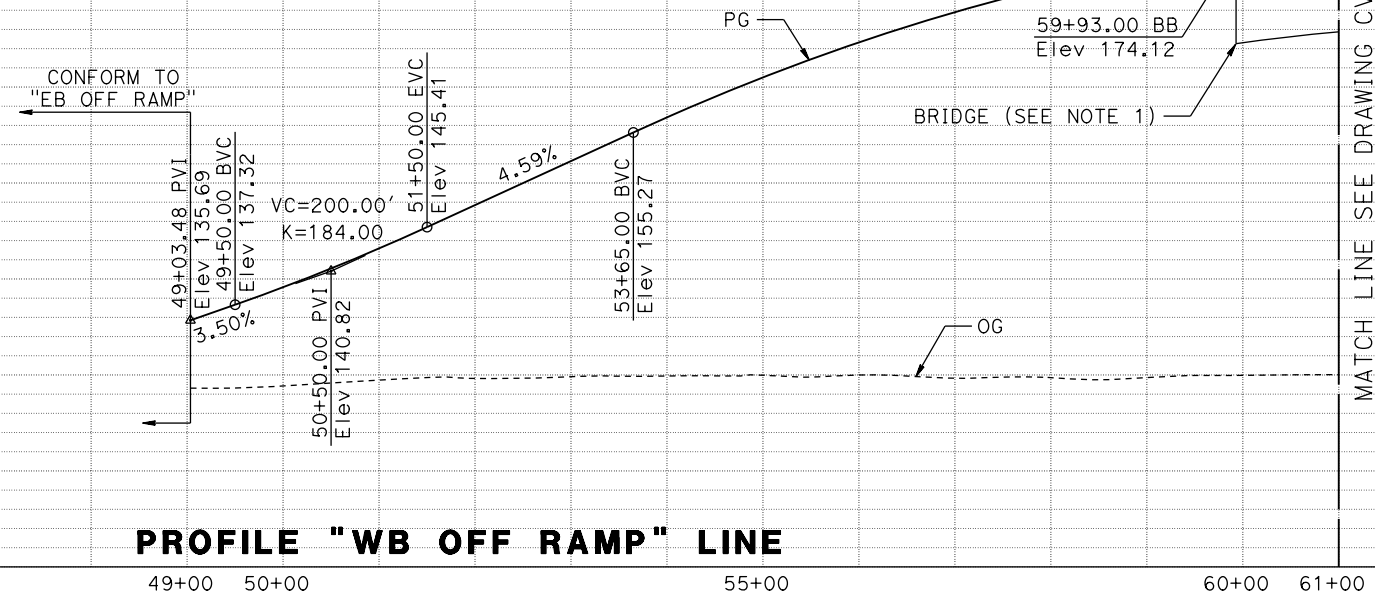
MADERA COUNTY



- NOTES:**
1. FOR DETAIL OF SR 59/SR 152 WB OFF RAMP OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1102-A.
  2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
  3. SR 59/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

PROFILE "WB OFF RAMP" LINE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

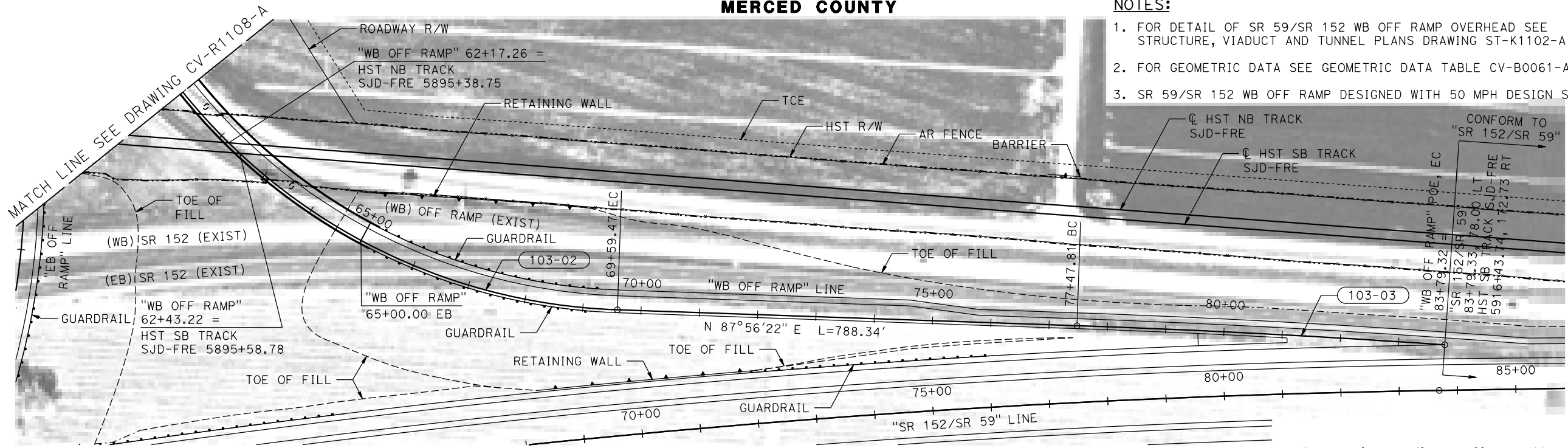


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 59/SR 152 WB OFF RAMP GRADE SEPARATION

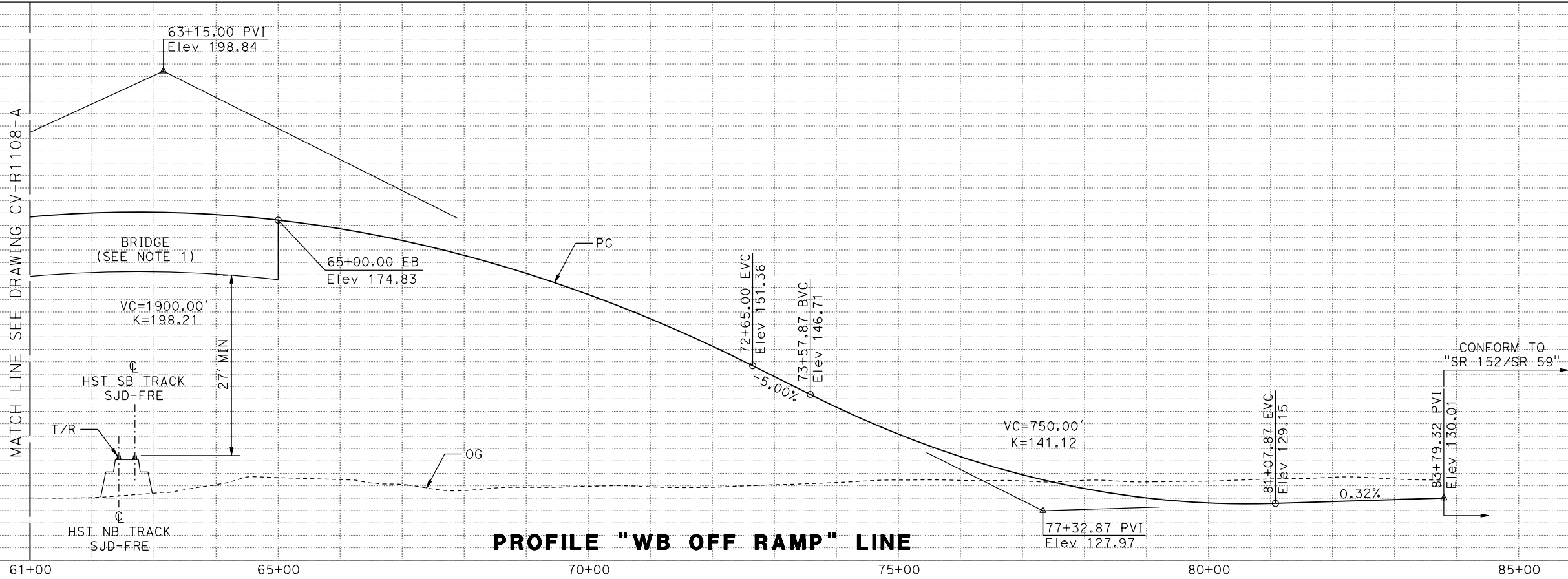
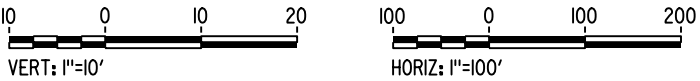
CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-R1108-A**  
SCALE  
**AS SHOWN**  
SHEET NO.

MERCED COUNTY

- NOTES:
1. FOR DETAIL OF SR 59/SR 152 WB OFF RAMP OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1102-A.
  2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
  3. SR 59/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.



PLAN



PROFILE "WB OFF RAMP" LINE

MF-CV-R1109-A.dgn  
09-MAR-2016 13:42  
p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



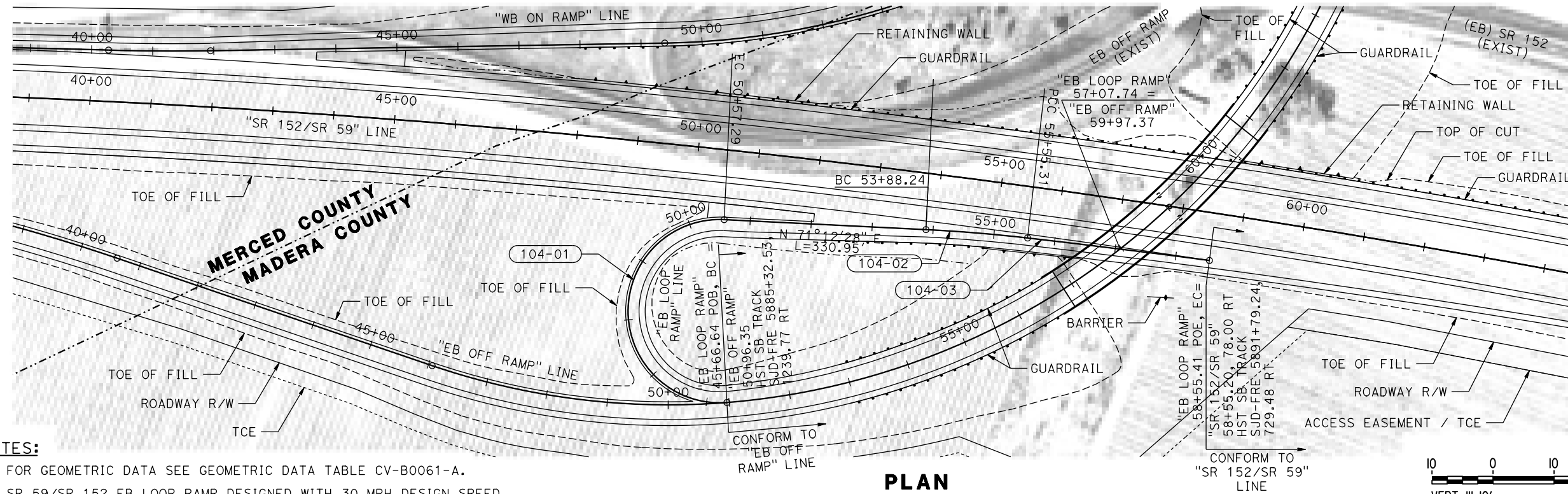
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 59/SR 152 WB OFF RAMP GRADE SEPARATION

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1109-A
SCALE AS SHOWN
SHEET NO.

p0042226 15-MAR-2016 16:31:21 MF-CV-R1110-A.dgn

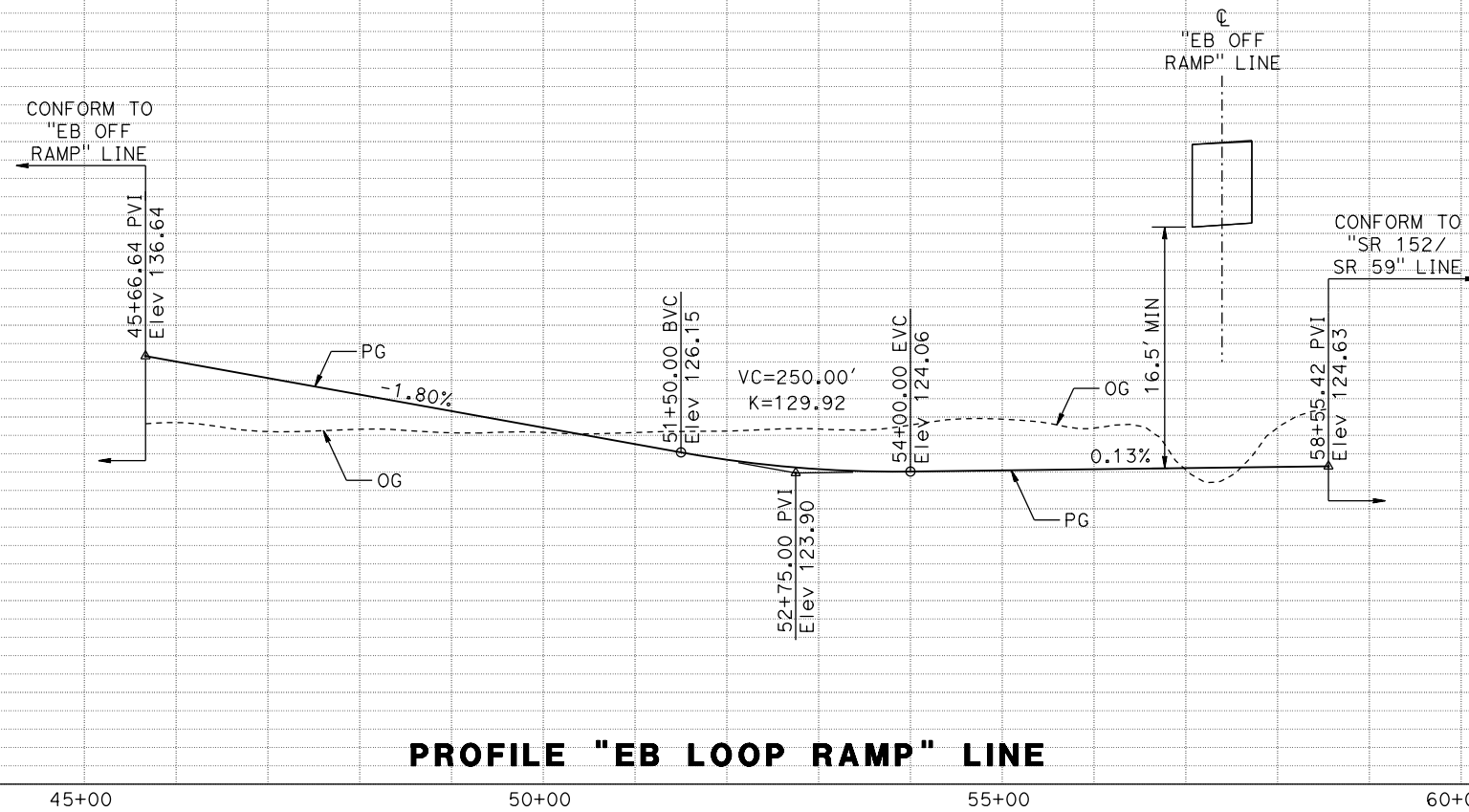
MERCED COUNTY

MADERA COUNTY



- NOTES:
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
  - SR 59/SR 152 EB LOOP RAMP DESIGNED WITH 30 MPH DESIGN SPEED.

PLAN



PROFILE "EB LOOP RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

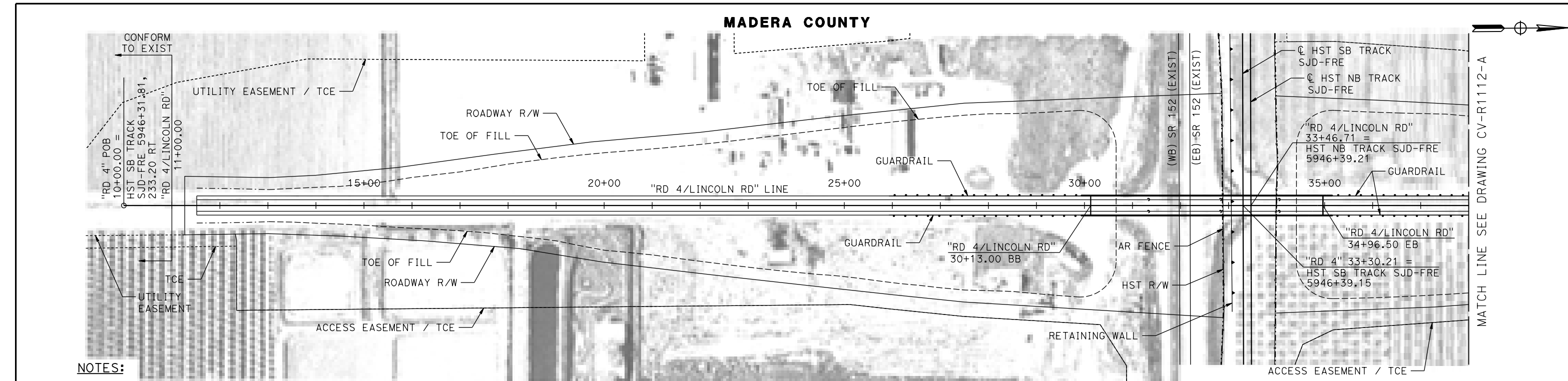
DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 59/SR 152 EB LOOP ON RAMP

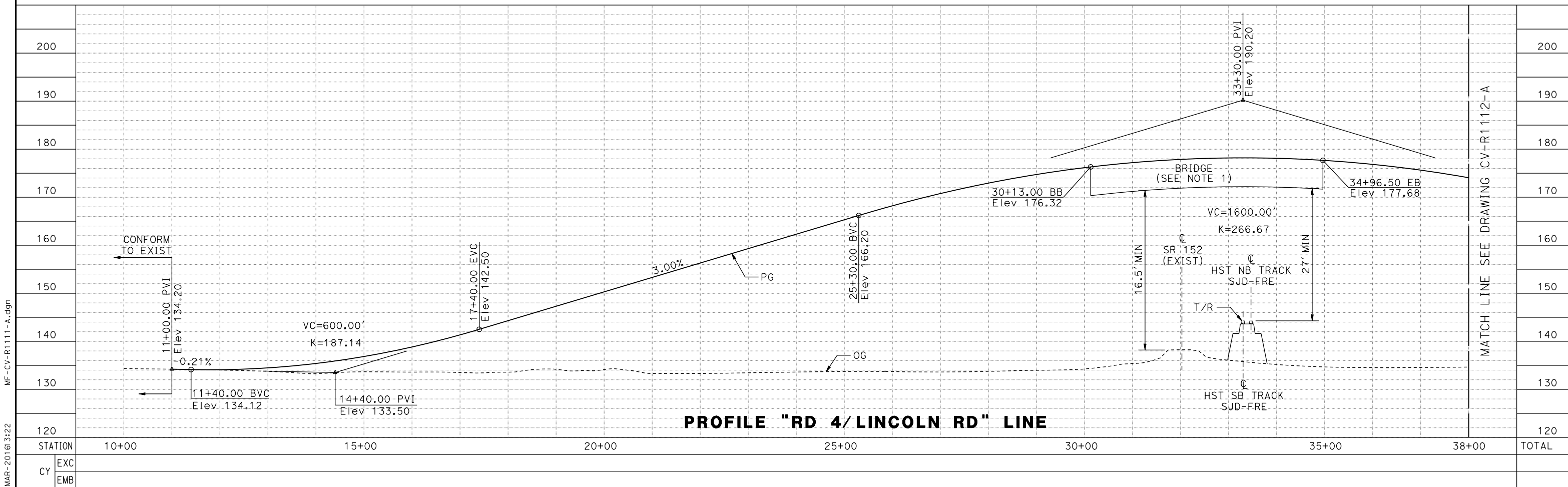
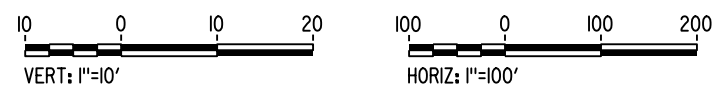
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1110-A  
SCALE  
AS SHOWN  
SHEET NO.



NOTES:

- FOR DETAIL OF RD 4 / LINCOLN RD OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLAN DRAWING ST-K1110-A.
- ROAD 4/LINCOLN ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



MF-CV-R1111-A.dgn  
15-MAR-2016 16:31:22  
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA

DRAWN BY  
M. TACTAY

CHECKED BY  
J. RAY

IN CHARGE  
C. LEMLEY

DATE  
03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 4/LINCOLN ROAD GRADE SEPARATION

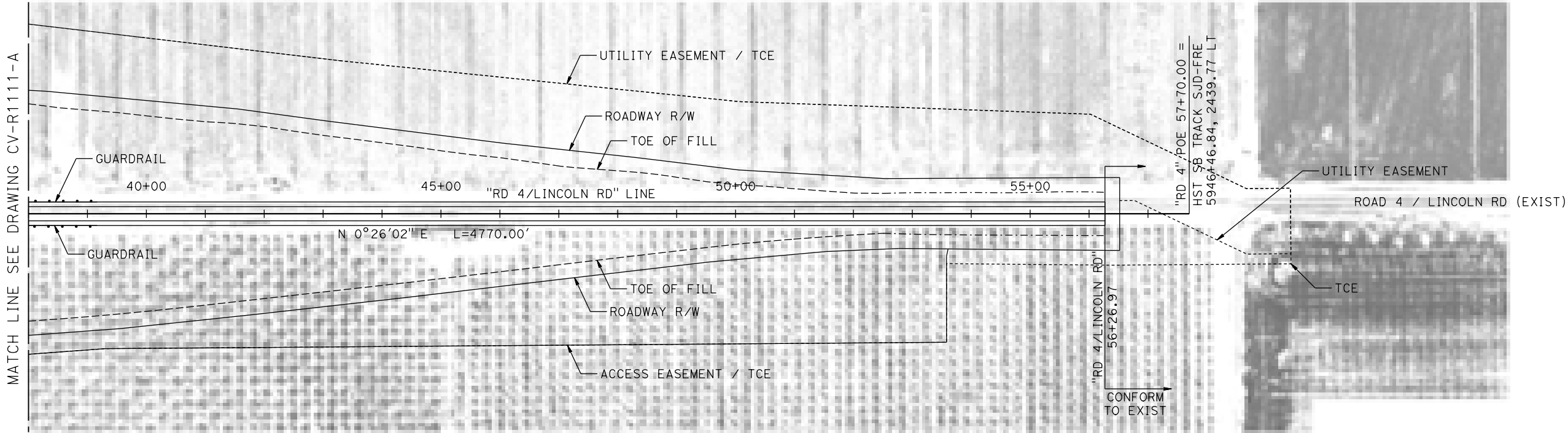
CONTRACT NO.  
HSR08-05

DRAWING NO.  
CV-R1111-A

SCALE  
AS SHOWN

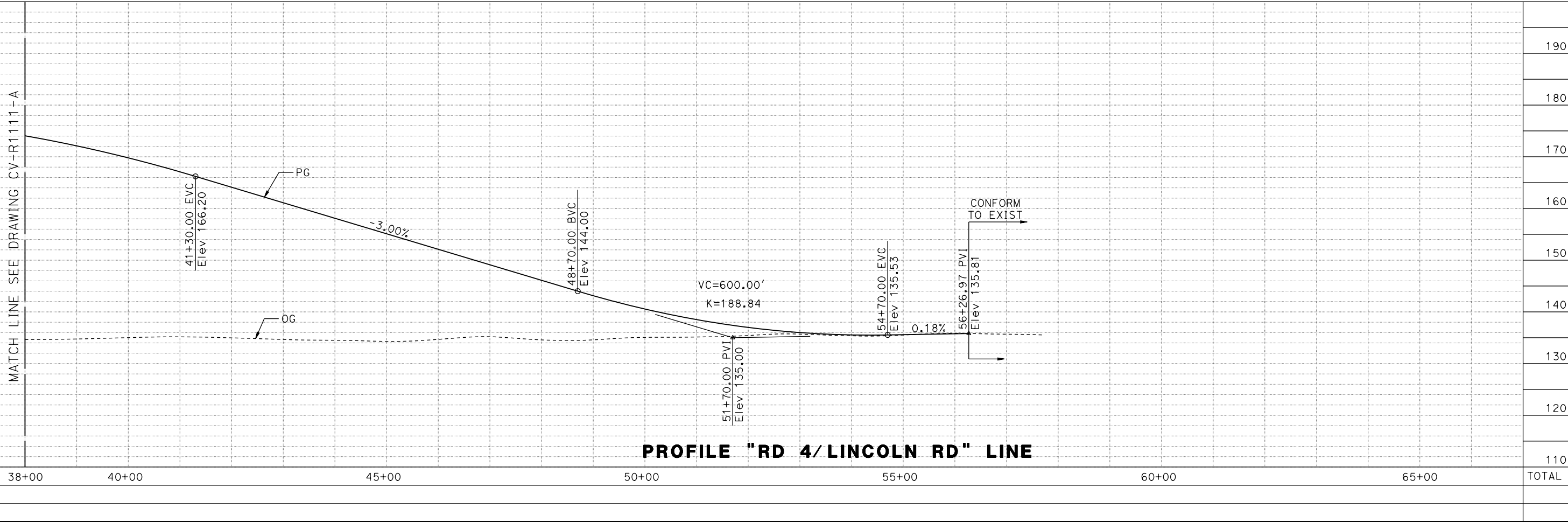
SHEET NO.

MADERA COUNTY



NOTES:

1. ROAD 4/LINCOLN ROAD DESIGNED WITH 60 MPH DESIGN SPEED.



MF-CV-R1112-A.dgn  
15-MAR-2016 3:22  
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



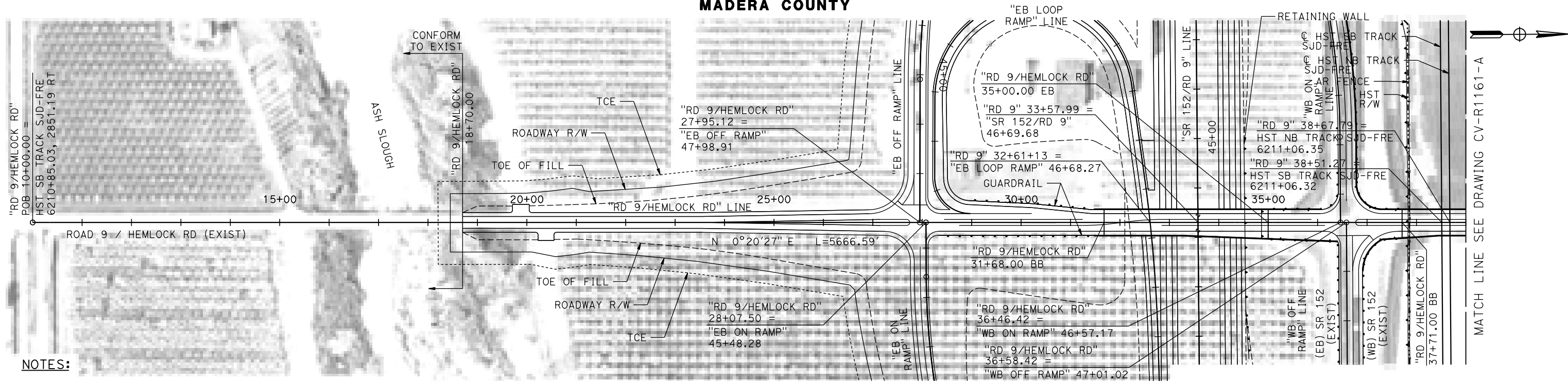
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 4/LINCOLN ROAD GRADE SEPARATION

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1112-A
SCALE AS SHOWN
SHEET NO.

15-MAR-2016 3:23 MF-CV-R1160-A.dgn

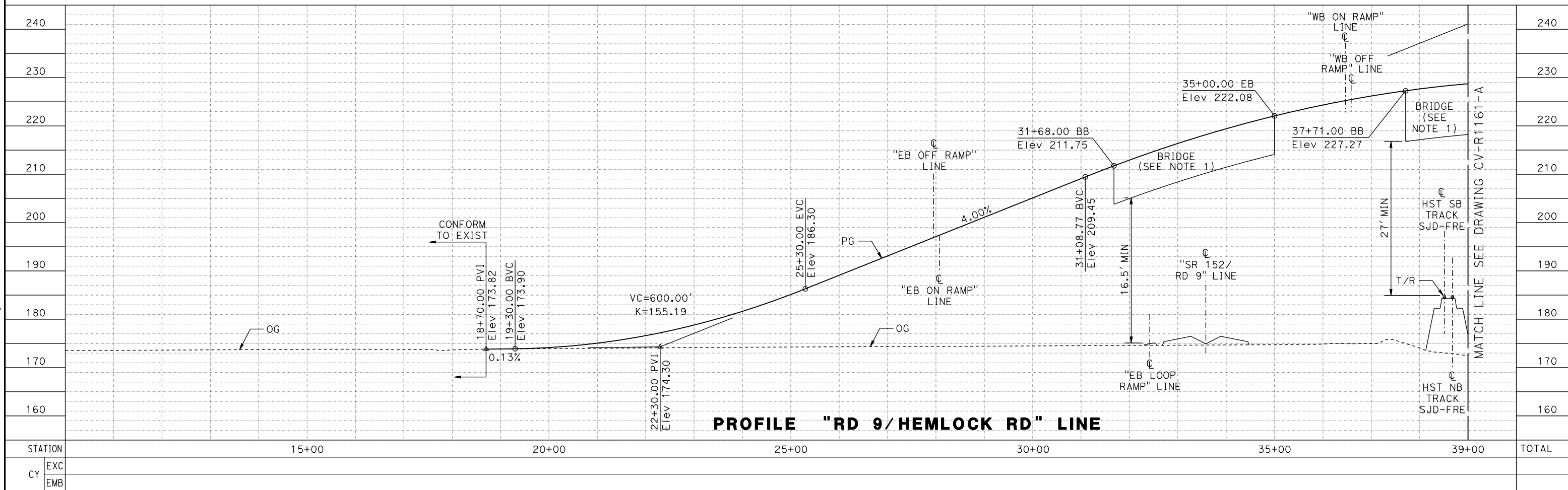
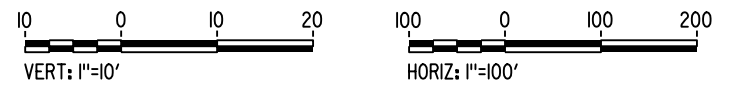
p0042226

MADERA COUNTY



- NOTES:
- FOR DETAIL OF ROAD 9/HEMLOCK RD OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1160-A.
  - ROAD 9/HEMLOCK RD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 9/HEMLOCK RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

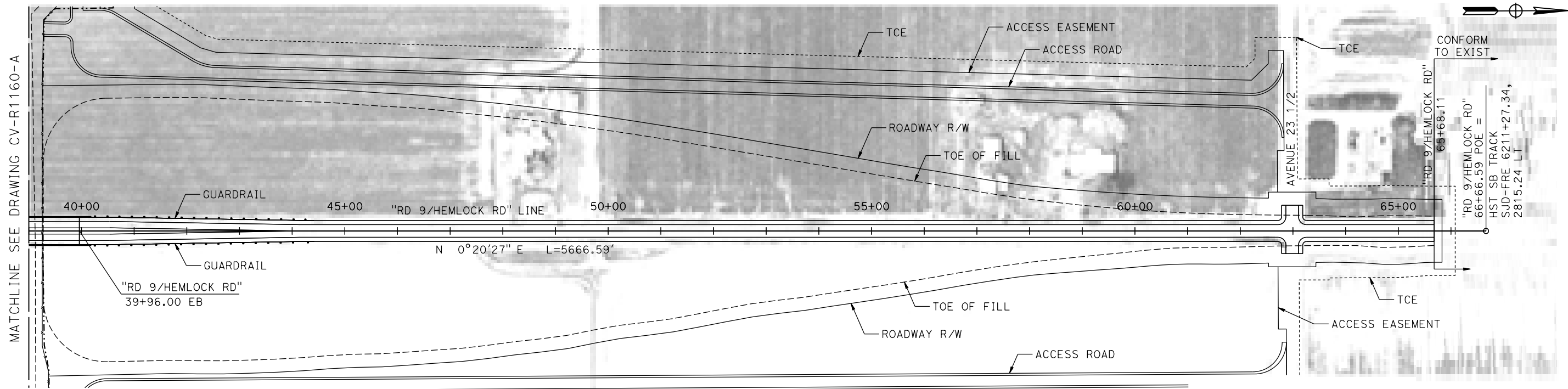


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1160-A  
SCALE  
AS SHOWN  
SHEET NO.

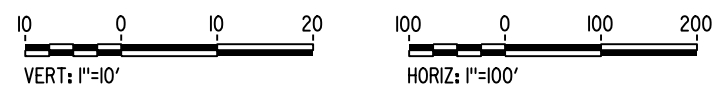


MADERA COUNTY

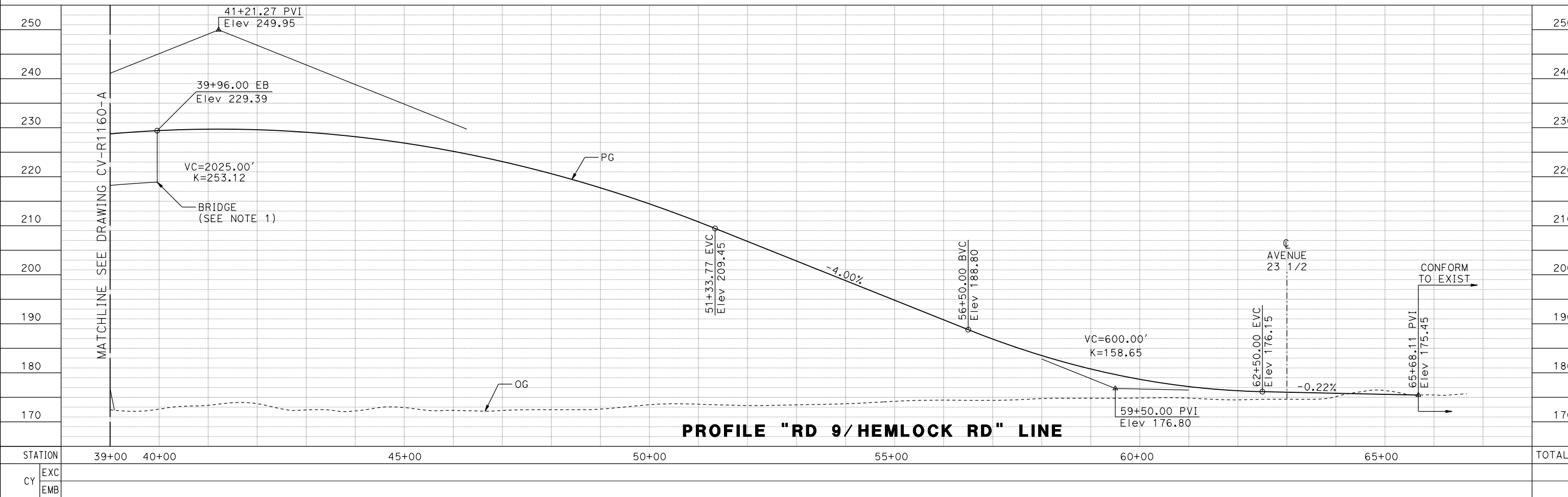


NOTES:

- FOR DETAIL OF ROAD 9/HEMLOCK RD OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1160-A.
- ROAD 9/HEMLOCK ROAD DESIGNED WITH 60 MPH DESIGN SPEED.



PROFILE "RD 9/HEMLOCK RD" LINE



MF-CV-R1161-A.dgn  
09-MAR-2016 13:44  
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

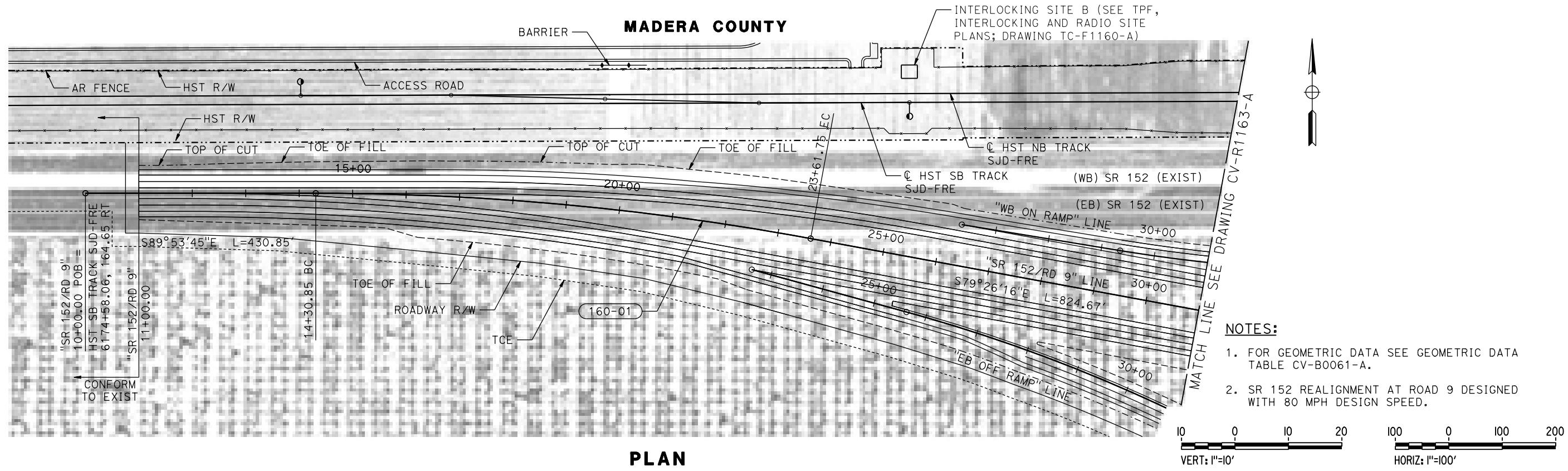
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



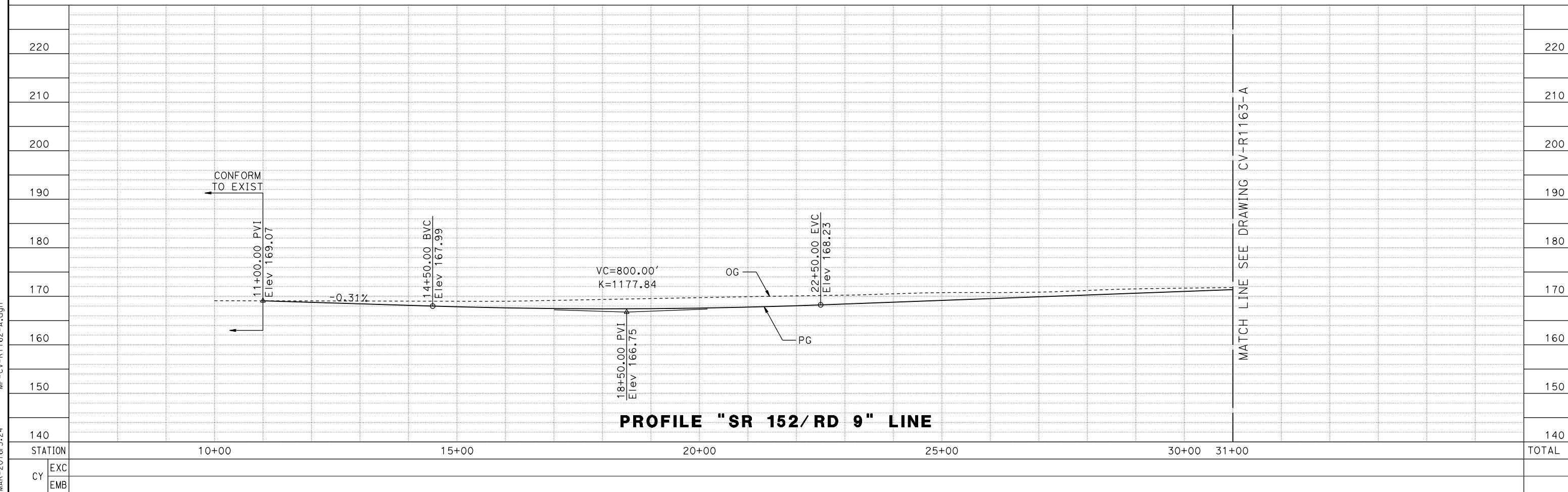
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1161-A  
SCALE  
AS SHOWN  
SHEET NO.





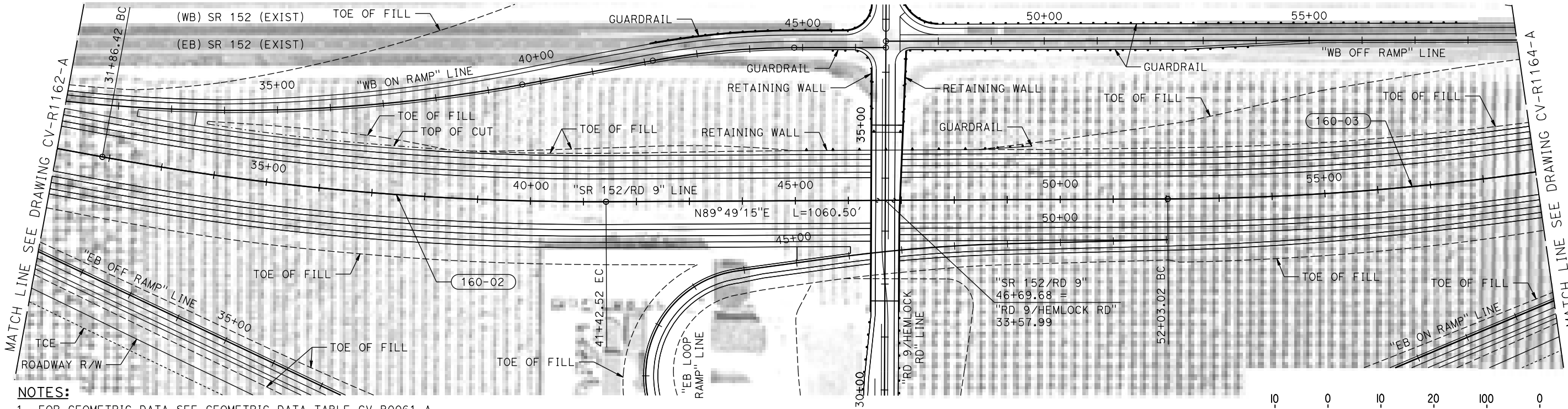
**PLAN**



DESIGNED BY <b>A. GURA</b>	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 152 REALIGNMENT AT ROAD 9	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>						DRAWING NO. CV-R1162-A
CHECKED BY <b>J. RAY</b>						SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>						SHEET NO.
DATE <b>03/18/2016</b>						

REV	DATE	BY	CHK	APP	DESCRIPTION

15-MAR-2016 16:31:24 MF-CV-R1162-A.dgn

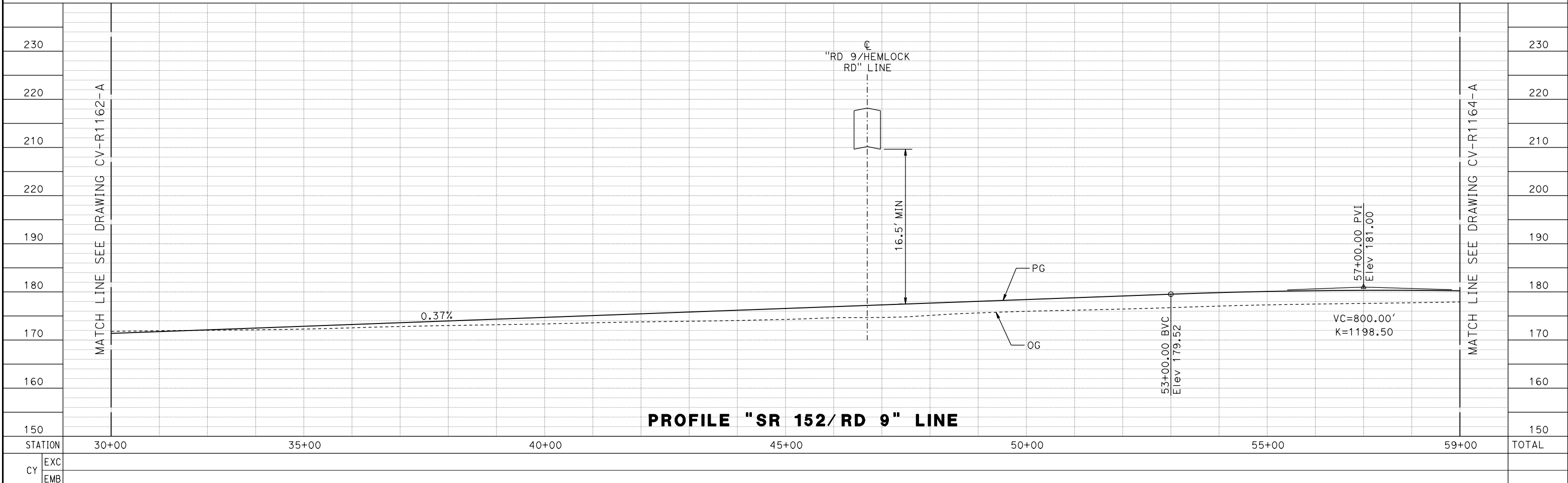
**MADERA COUNTY**

## PLAN



**NOTES:**

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
2. SR 152 REALIGNMENT AT ROAD 9 DESIGNED WITH 80 MPH DESIGN SPEED.



# PROFILE "SR 152/RD 9" LINE

						DESIGNED BY A. GURA
						DRAWN BY M. TACTAY
						CHECKED BY J. RAY
						IN CHARGE C. LEMLEY
REV	DATE	BY	CHK	APP		DATE
					DESCRIPTION	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



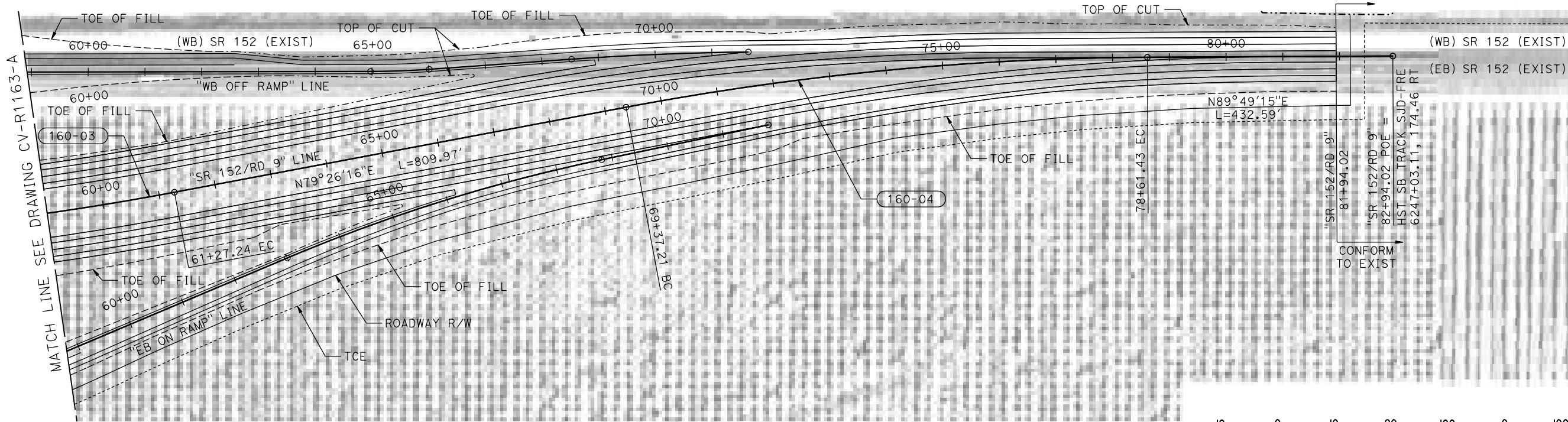
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT ROAD 9

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-R1163-A
SCALE	AS SHOWN
SHEET NO.	

09-MAR-2016 16:33:46 MF-CV-R1164-A.dgn

p005133A

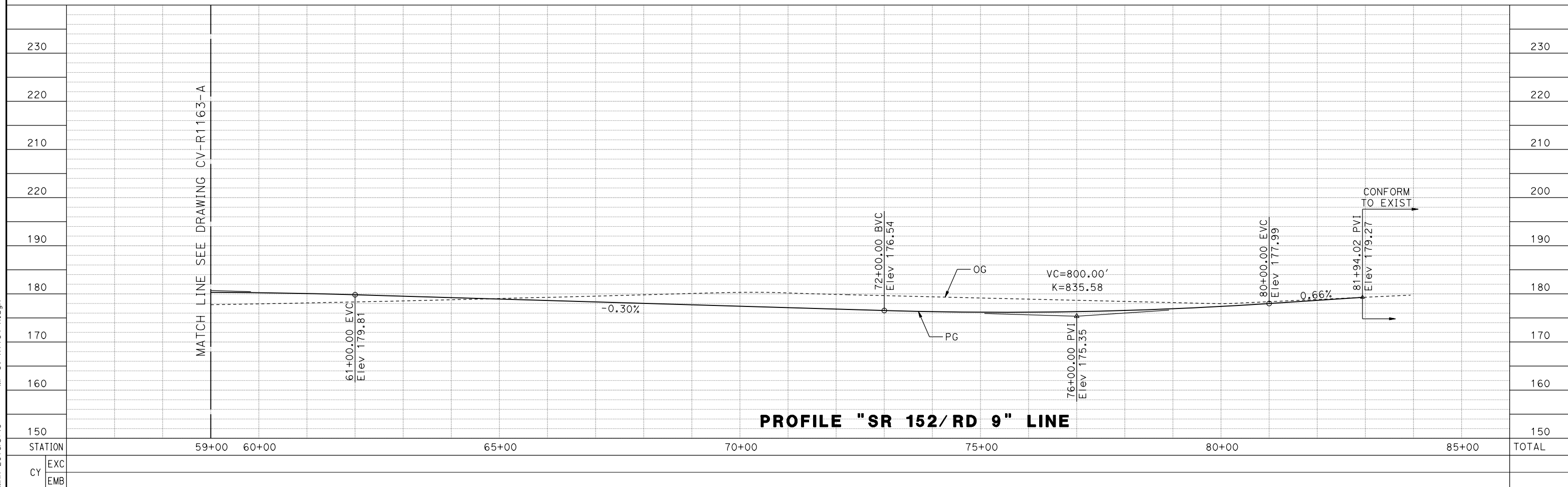
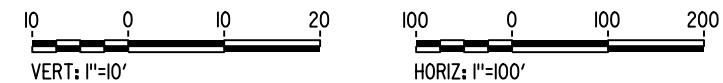
MADERA COUNTY



NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
- SR 152 REALIGNMENT AT ROAD 9 DESIGNED WITH 80 MPH DESIGN SPEED.

PLAN



PROFILE "SR 152/RD 9" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

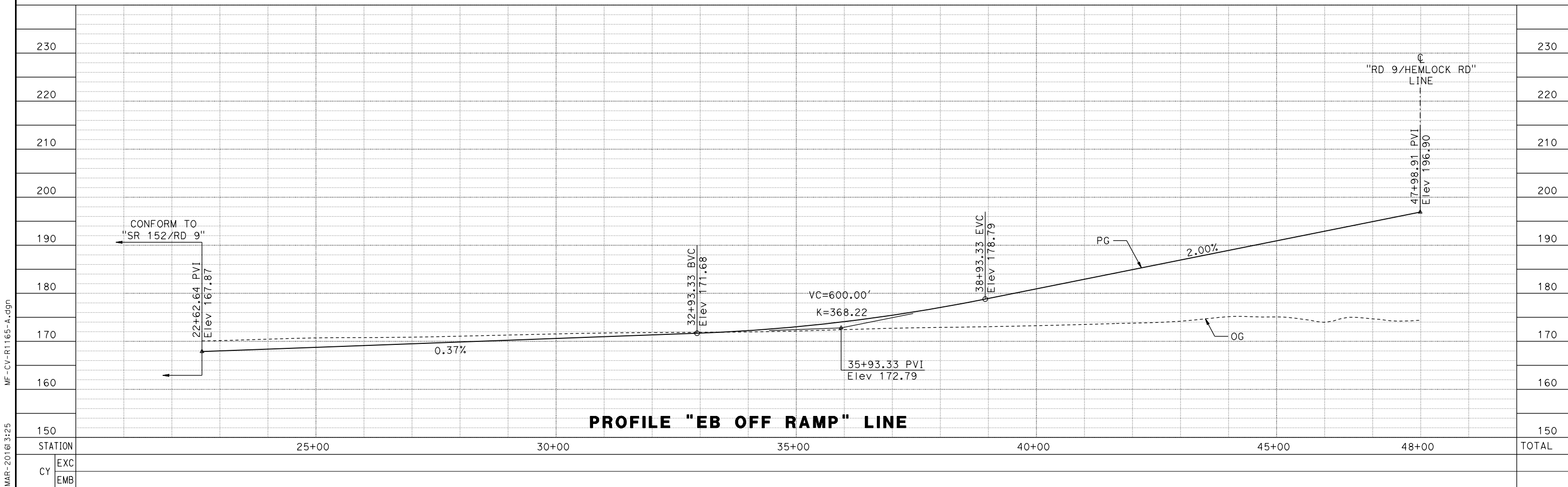
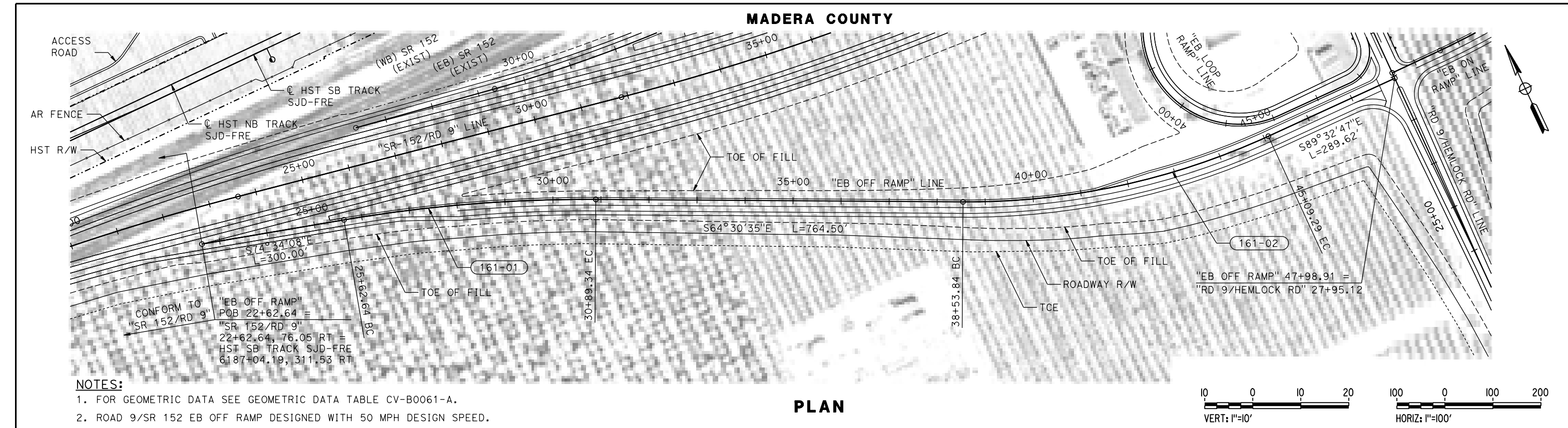
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

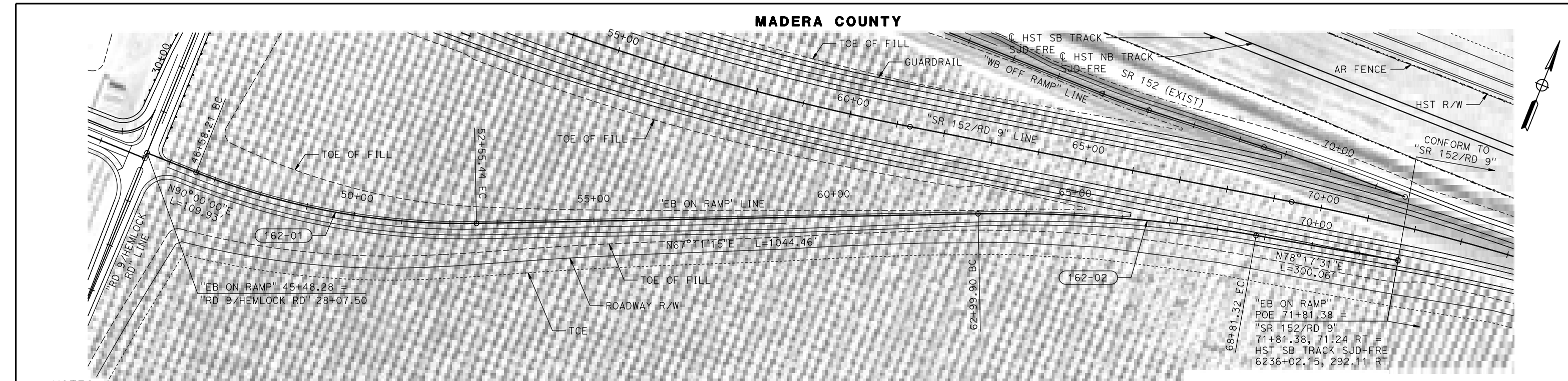
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT ROAD 9

CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-R1164-A**  
SCALE  
**AS SHOWN**  
SHEET NO.



DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 9/SR 152 EB OFF RAMP	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. CV-R1165-A
CHECKED BY J. RAY						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

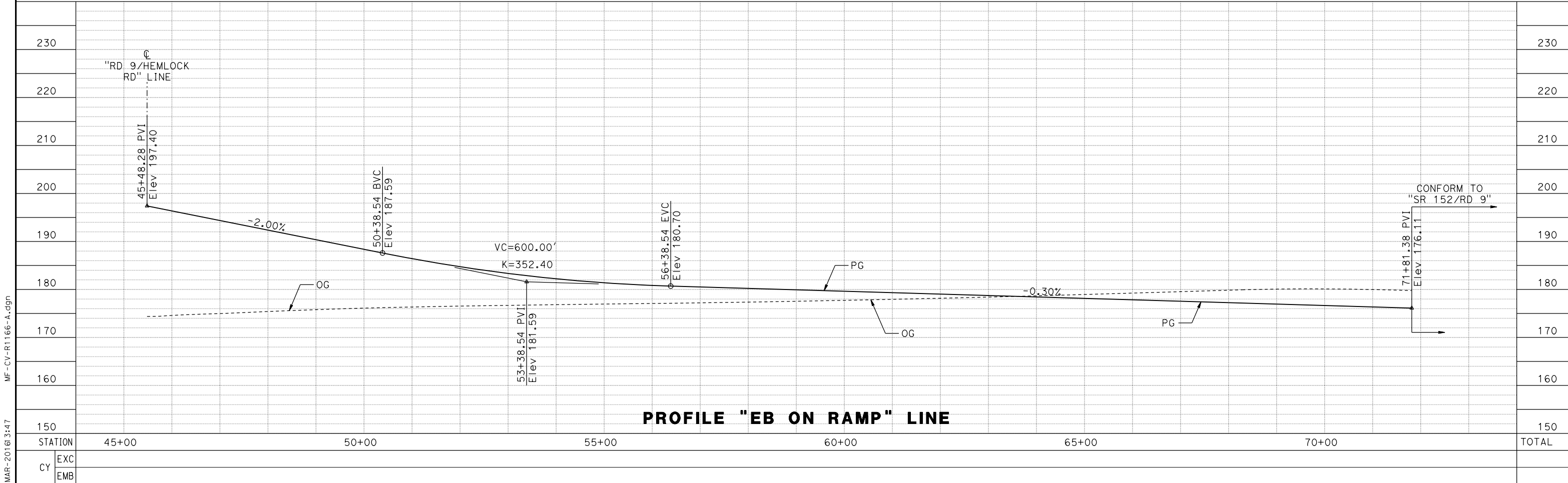
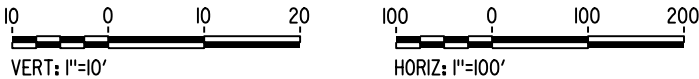
REV	DATE	BY	CHK	APP	DESCRIPTION



NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-A.
- ROAD 9/SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

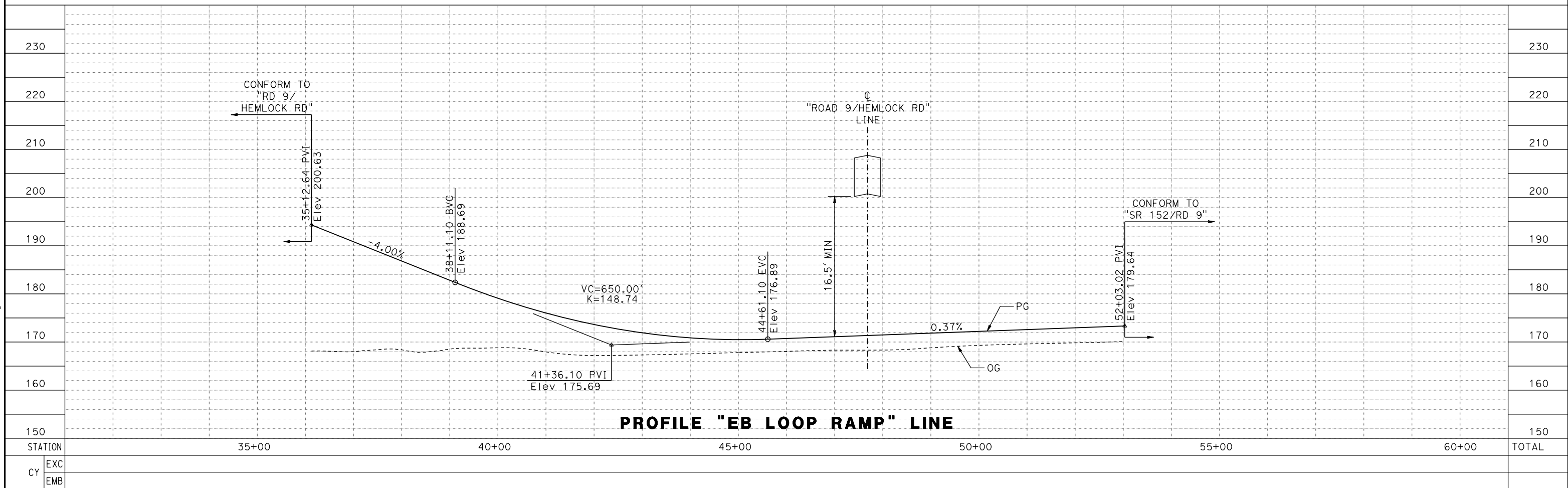
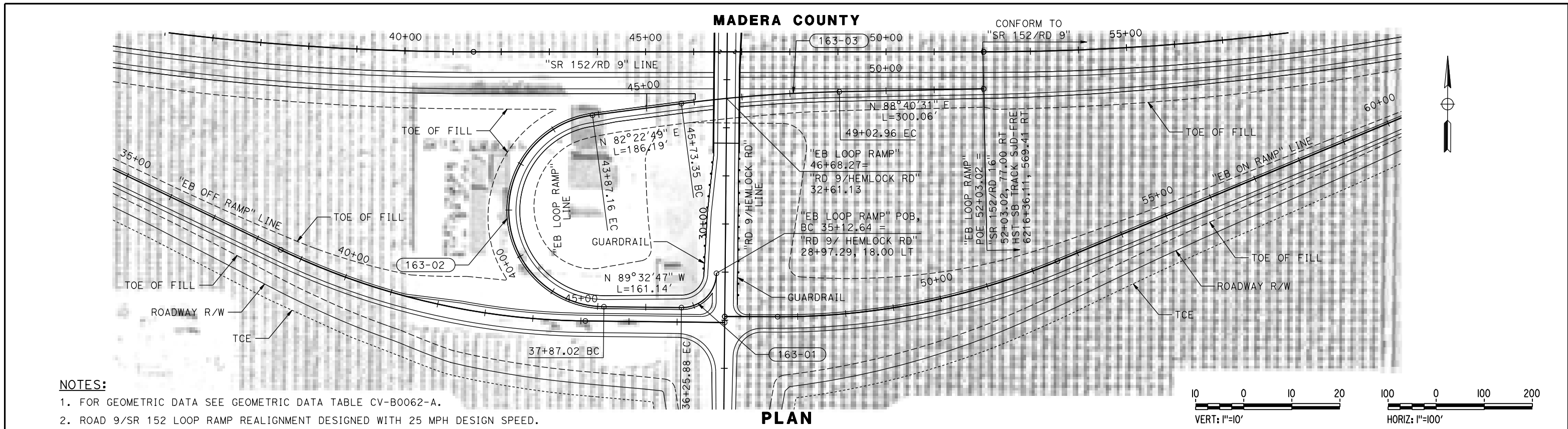


PROFILE "EB ON RAMP" LINE

<div>09-MAR-2016 16:34:47 MF-CV-R1166-A.dgn</div>					<div>DESIGNED BY A. GURA</div>		<div>RECORD SET 15% DESIGN SUBMITTAL</div>	<div>NOT FOR CONSTRUCTION</div>	<div> PARSONS</div>	<div></div>	<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 9/SR 152 EB ON RAMP</div>	CONTRACT NO. HSR08-05
					DRAWING NO. CV-R1166-A							
					SCALE AS SHOWN							
					SHEET NO.							
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016						

16-MAR-2016 13:19 MF-CV-R1167-A.dgn

p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

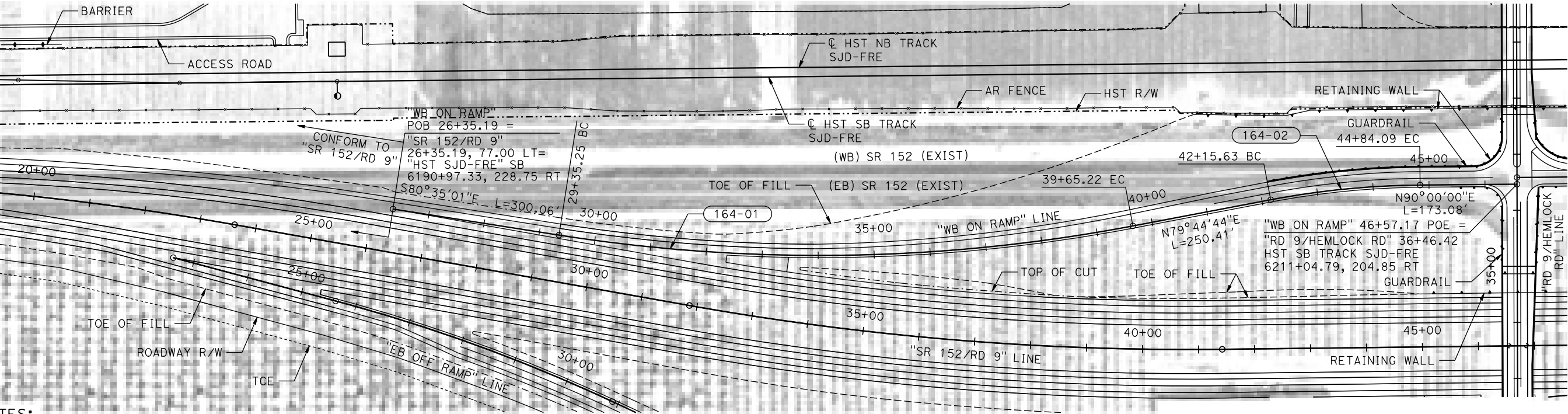
DESIGNED BY <b>A. GURA</b>	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>	<b>NOT FOR</b> <b>CONSTRUCTION</b>
DRAWN BY <b>M. TACTAY</b>		
CHECKED BY <b>J. RAY</b>		
IN CHARGE <b>C. LEMLEY</b>		
DATE <b>03/18/2016</b>		

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 9/SR 152 LOOP RAMP

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-R1167-A</b>
SCALE <b>AS SHOWN</b>
SHEET NO.



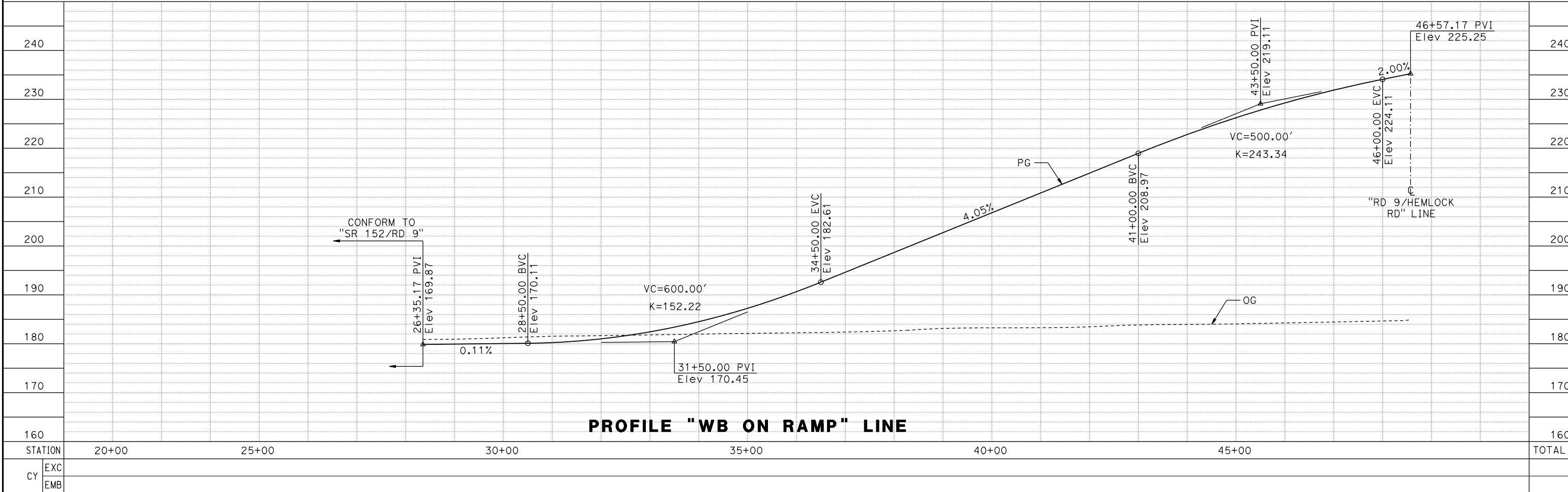
MADERA COUNTY



NOTES:

- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
- 2. ROAD 9/SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

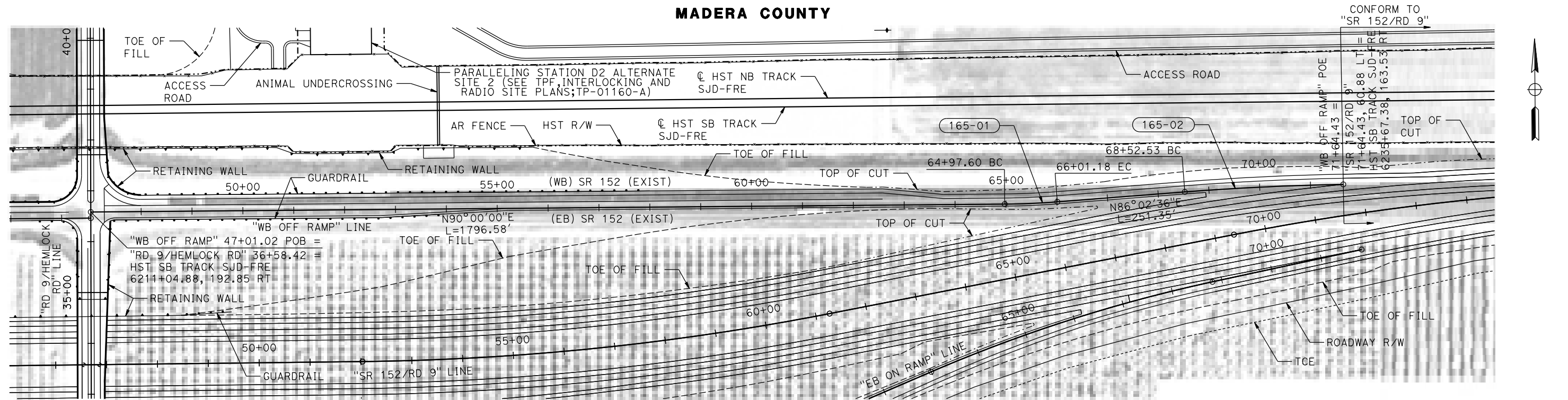
PLAN



PROFILE "WB ON RAMP" LINE

<div>DESIGNED BY A. GURA</div> <div>DRAWN BY A. GURA</div> <div>CHECKED BY J. RAY</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</div> <div>PLAN AND PROFILE</div> <div>ROAD 9/SR 152 WB ON RAMP</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. CV-R1168-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								

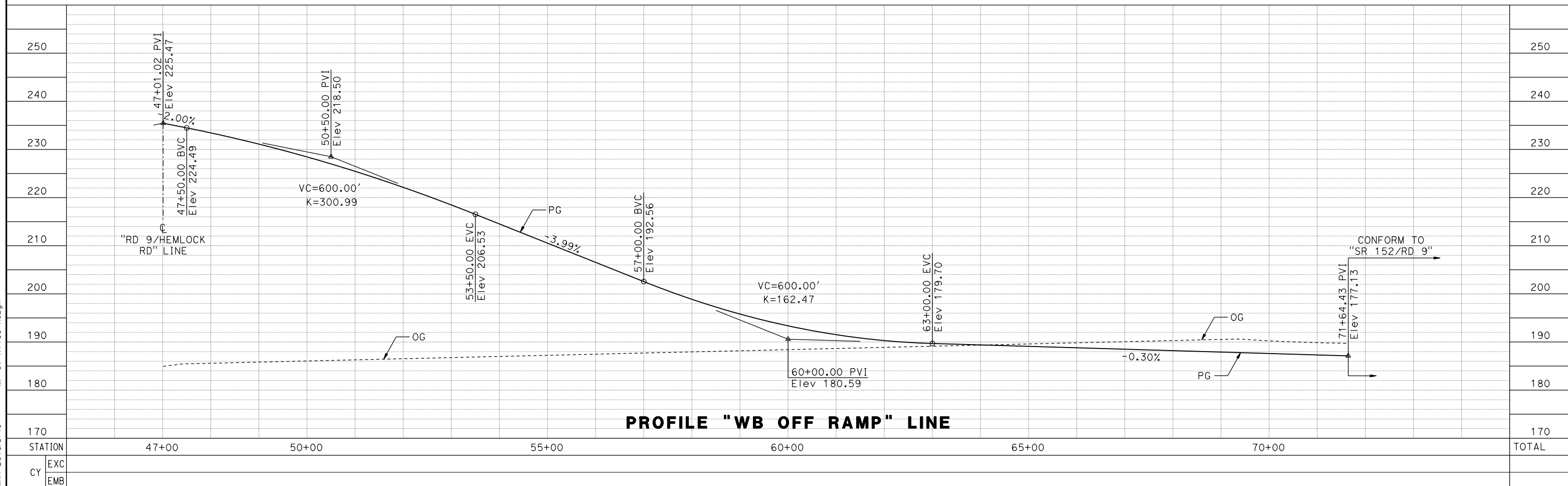
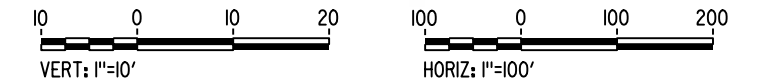
**MADERA COUNTY**



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
2. ROAD 9/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

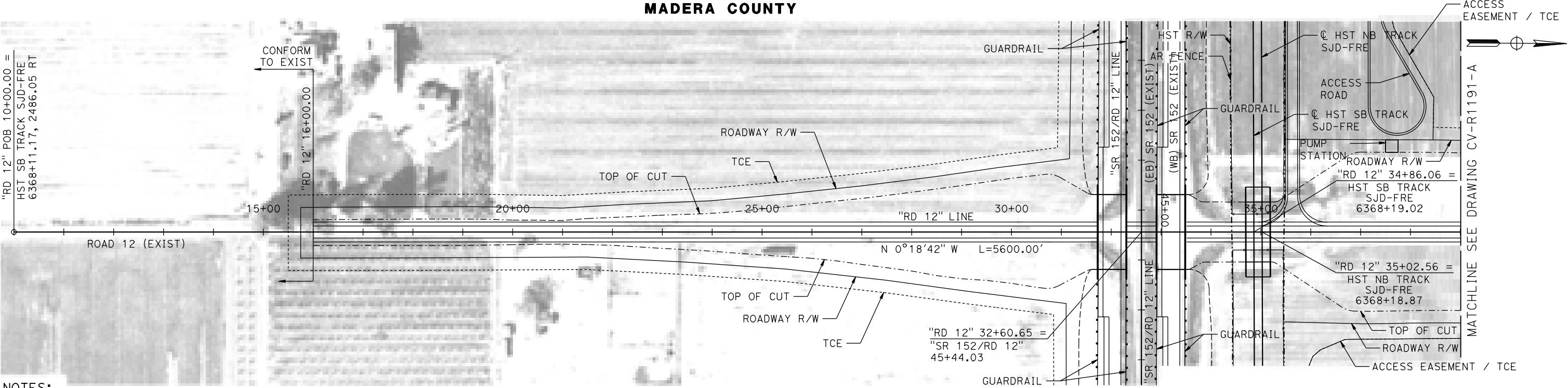
## PLAN



						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 9/SR 152 WB OFF RAMP	CONTRACT NO. HSR08-05
						DRAWN BY A. GURA					DRAWING NO. CV-R1169-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

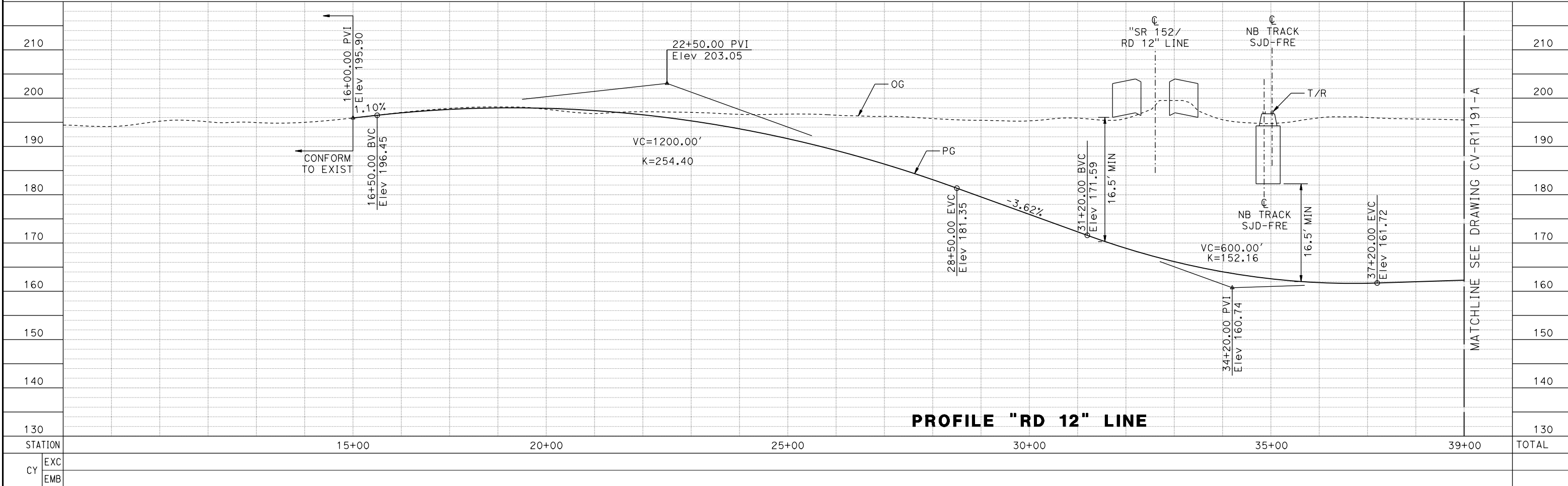


MADERA COUNTY





- NOTES:
- 1. ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

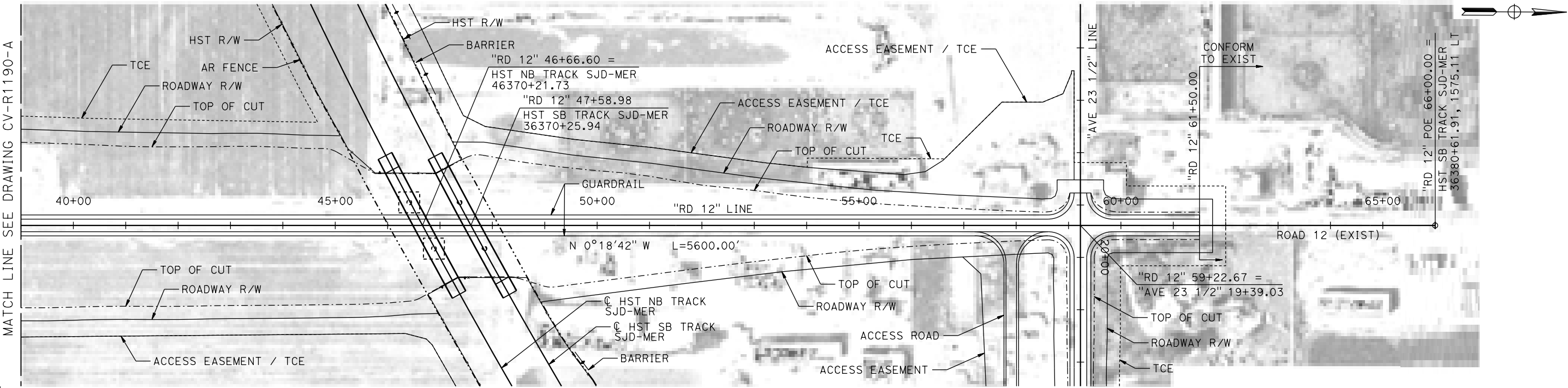


PROFILE "RD 12" LINE

DESIGNED BY <b>A. GURA</b>	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 12 GRADE SEPARATION	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>						DRAWING NO. CV-R1190-A
CHECKED BY <b>J. RAY</b>						SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>						SHEET NO.
DATE <b>03/18/2016</b>						
REV	DATE	BY	CHK	APP	DESCRIPTION	

15-MAR-2016 16:31:26 MF-CV-R1190-A.dgn

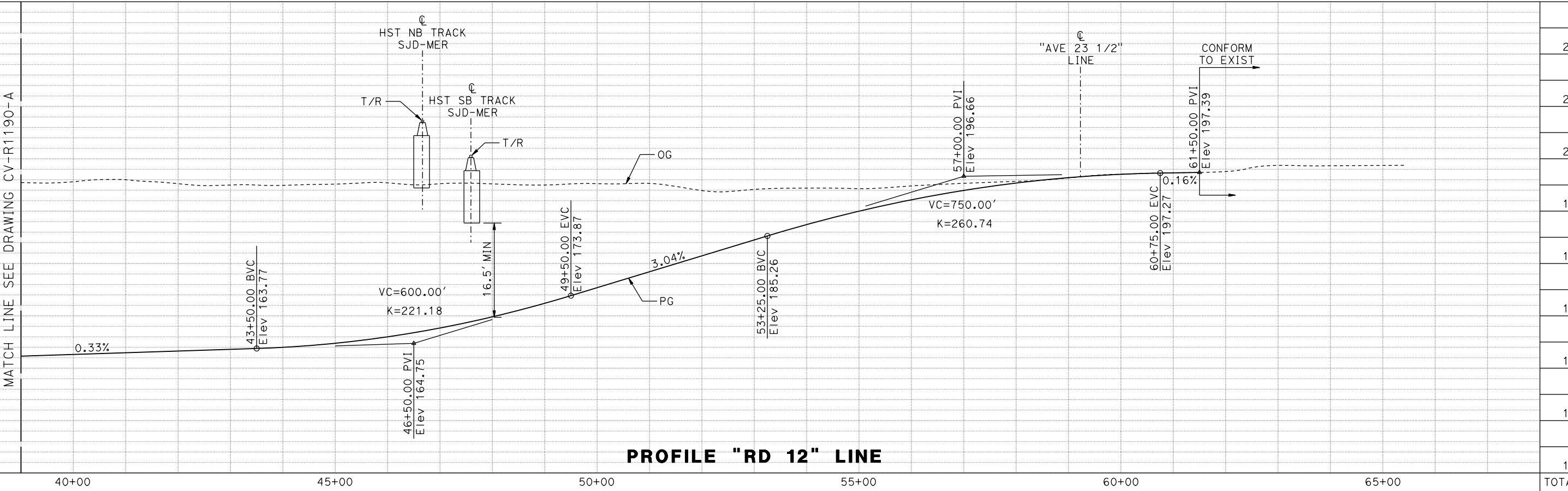
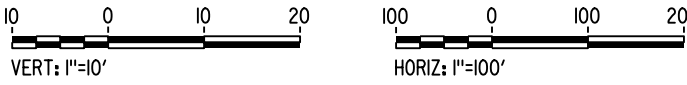
MADERA COUNTY



NOTES:

1. ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 12" LINE

15-MAR-2016 16:33:27 MF-CV-R1191-A.dgn

REV DATE BY CHK APP DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
M. TACTAY  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

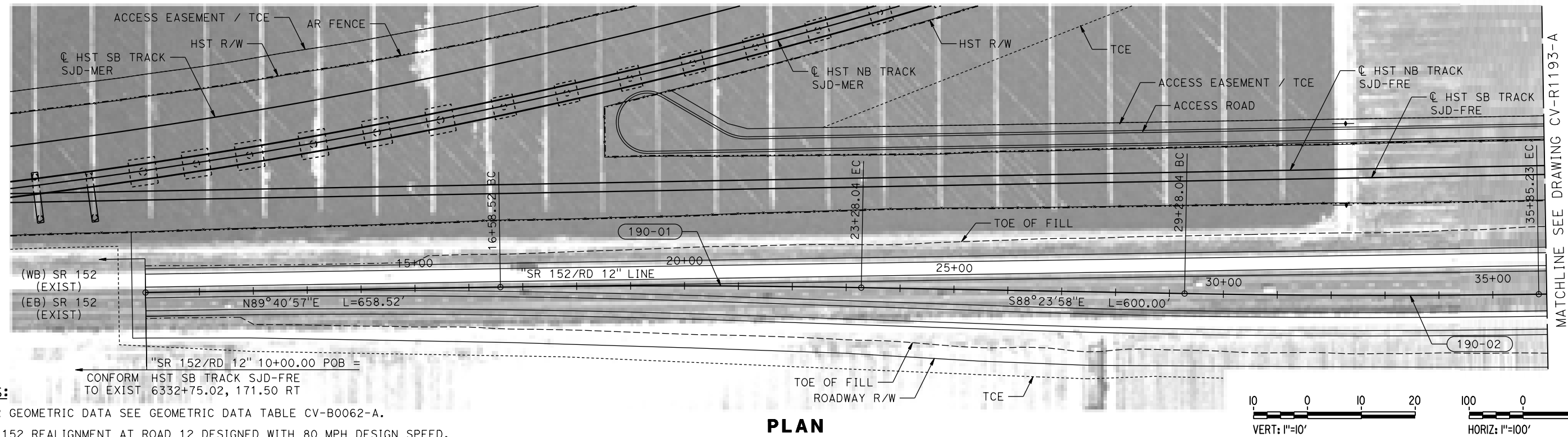
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 12 GRADE SEPARATION

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1191-A  
SCALE  
AS SHOWN  
SHEET NO.

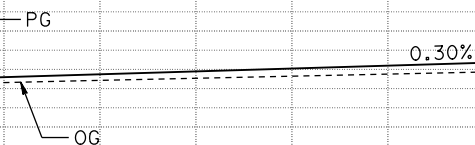
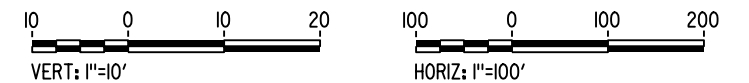
**MADERA COUNTY**



**NOTES:** TO EXIST 6332+75.02, 171.50 RT



1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
2. SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGN SPEED.

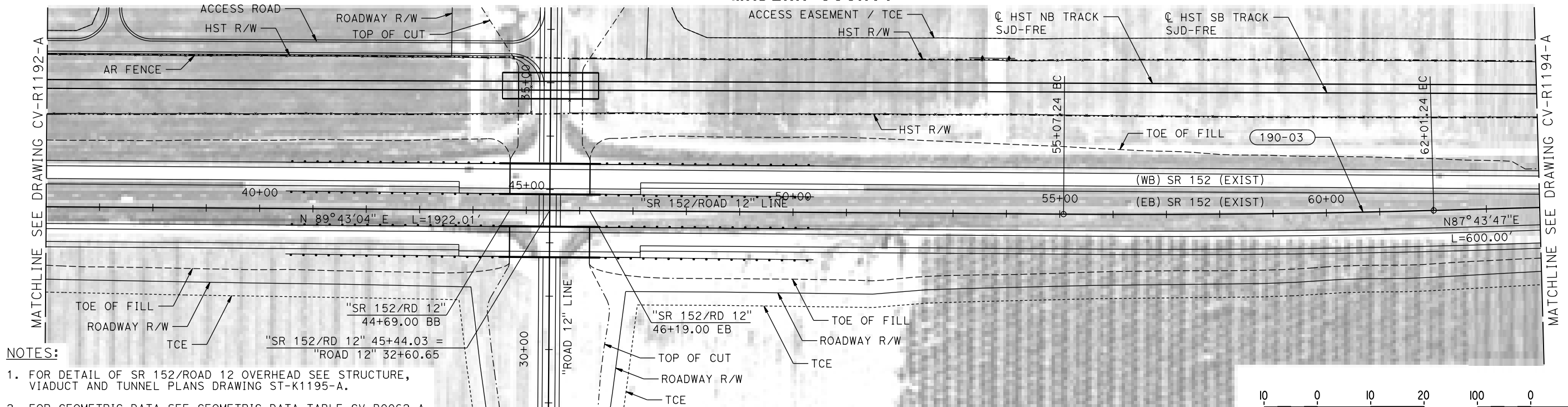
## PLAN



# PROFILE "SR 152/ROAD 12" LINE

240		240	
230		230	
220		220	
210		210	
200		200	
190		190	
180		180	
170		170	
160		160	
STATION		TOTAL	
CY	EXC		
	EMB		

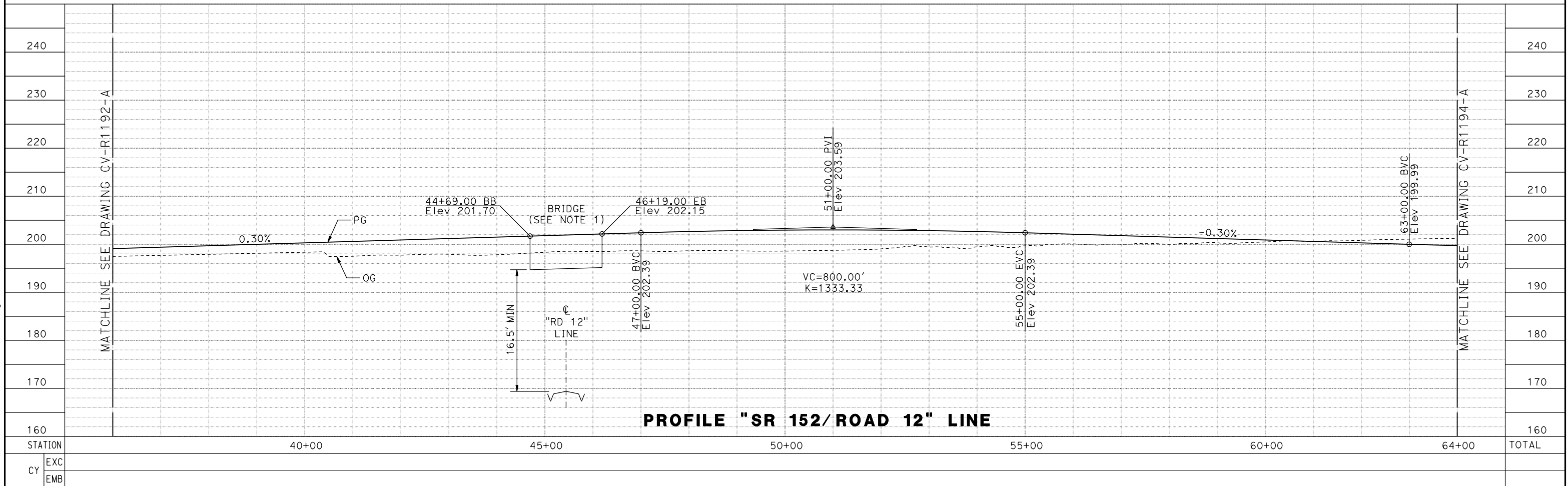
						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 152 REALIGNMENT AT ROAD 12	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-R1192-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

**MADERA COUNTY**

NOTES:

1. FOR DETAIL OF SR 152/ROAD 12 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1195-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
3. SR 152 REALIGNMENT DESIGNED WITH 80 MPH DESIGN SPEED.

## PLAN



# PROFILE "SR 152/ROAD 12" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



# CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

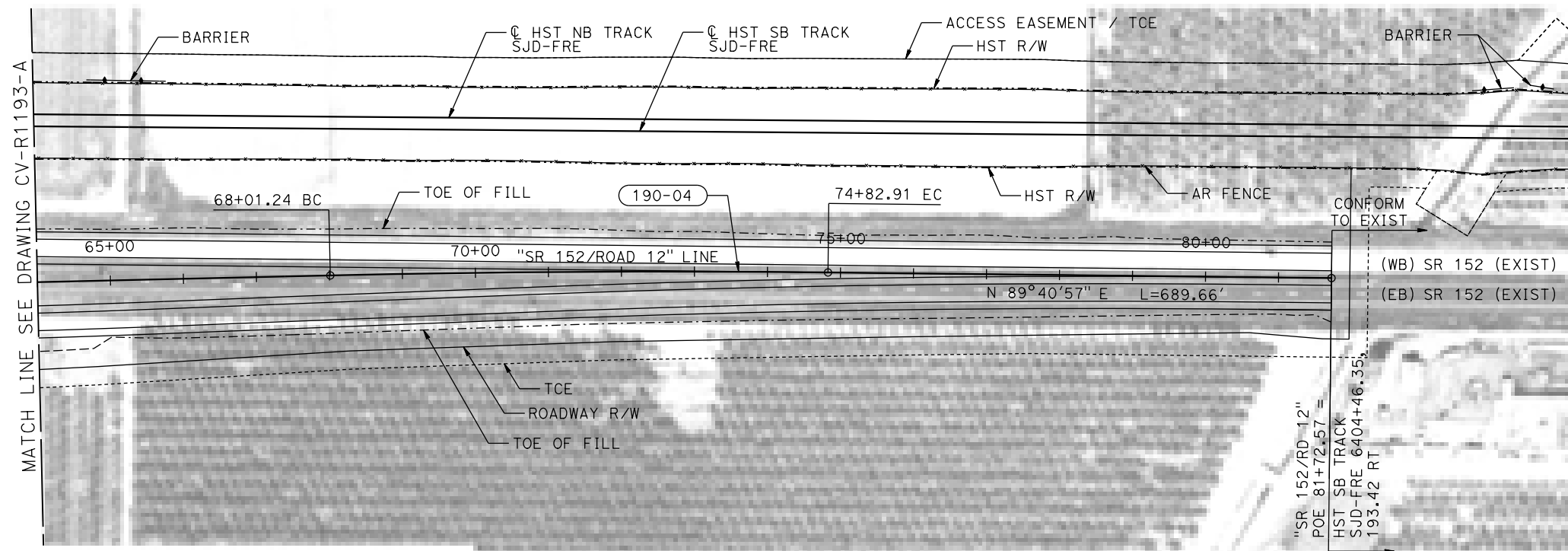
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT ROAD 12

CONTRACT NO.  
HSR08-05

DRAWING NO.  
CV-R1193-A

SCALE  
AS SHOWN

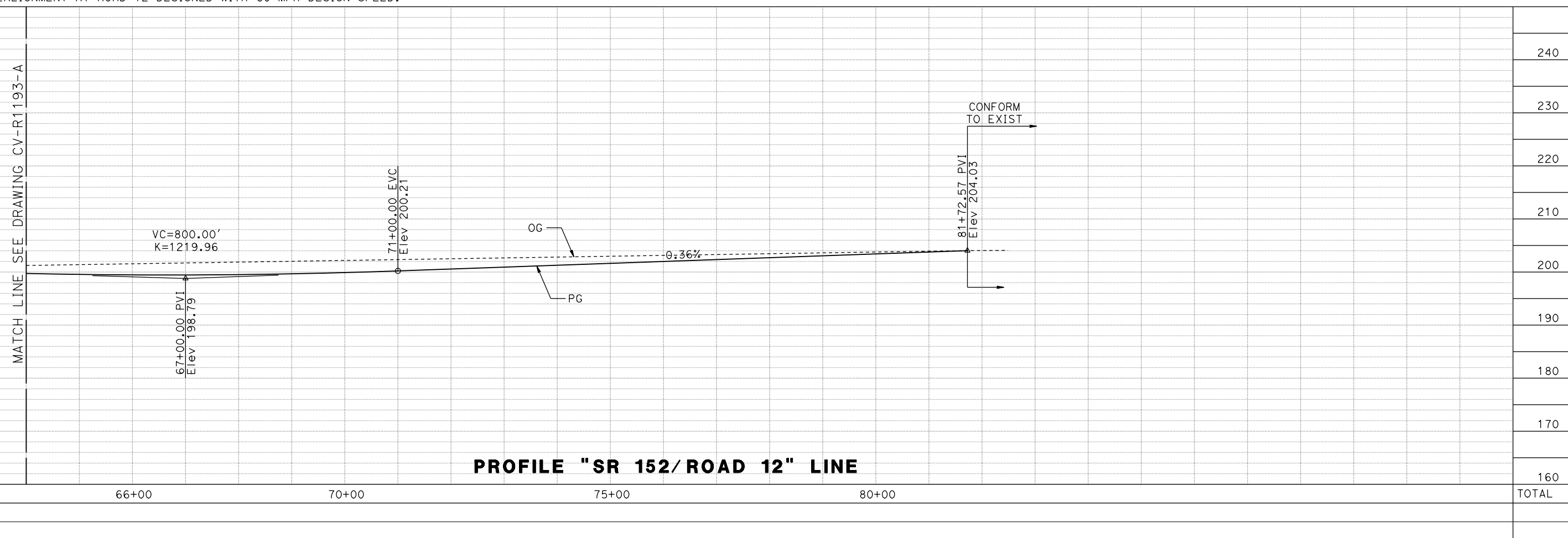
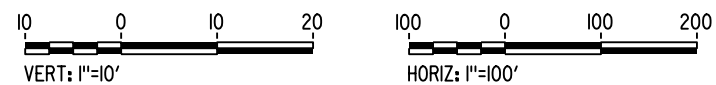
SHEET NO.

**MADERA COUNTY**

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
2. SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGN SPEED.

## PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

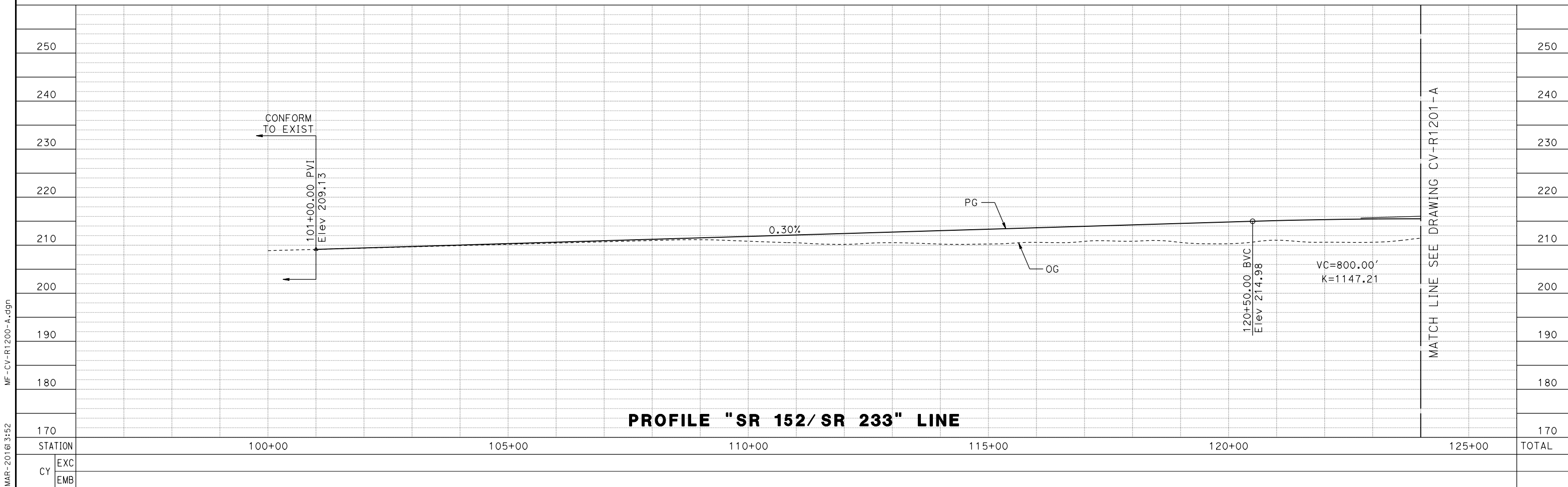
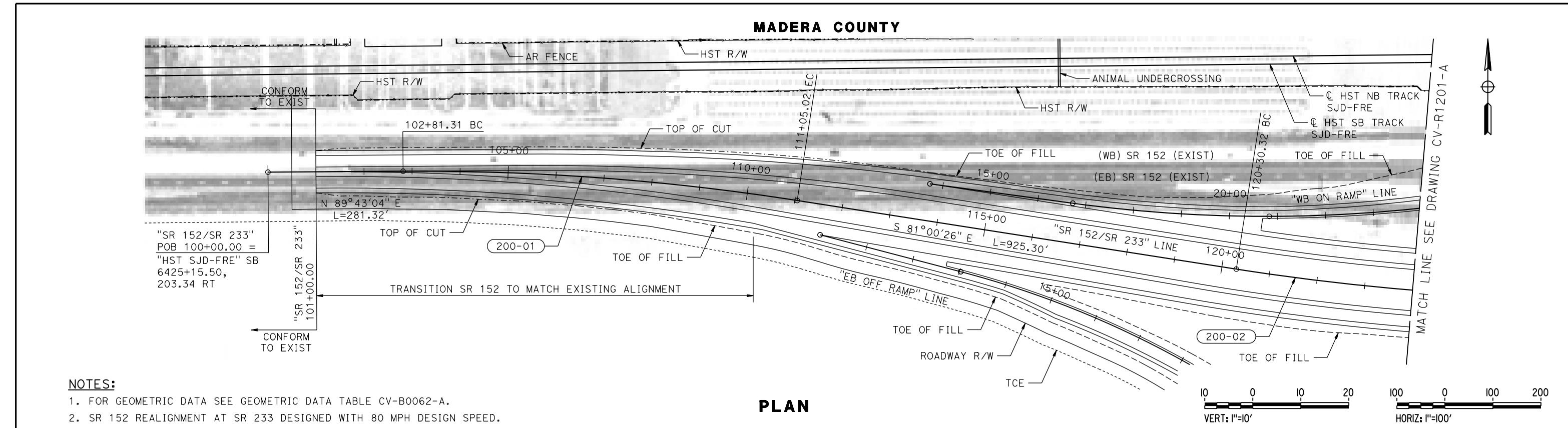
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT ROAD 12

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1194-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1194-A.dgn

15-MAR-2016 13:29

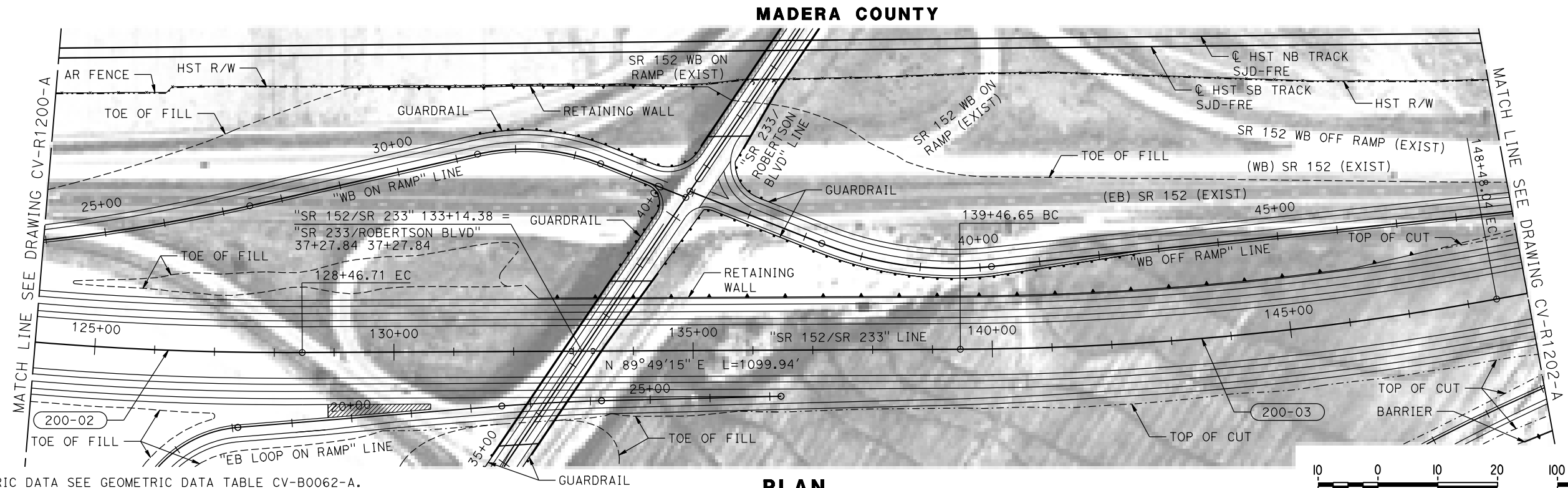
p0042226



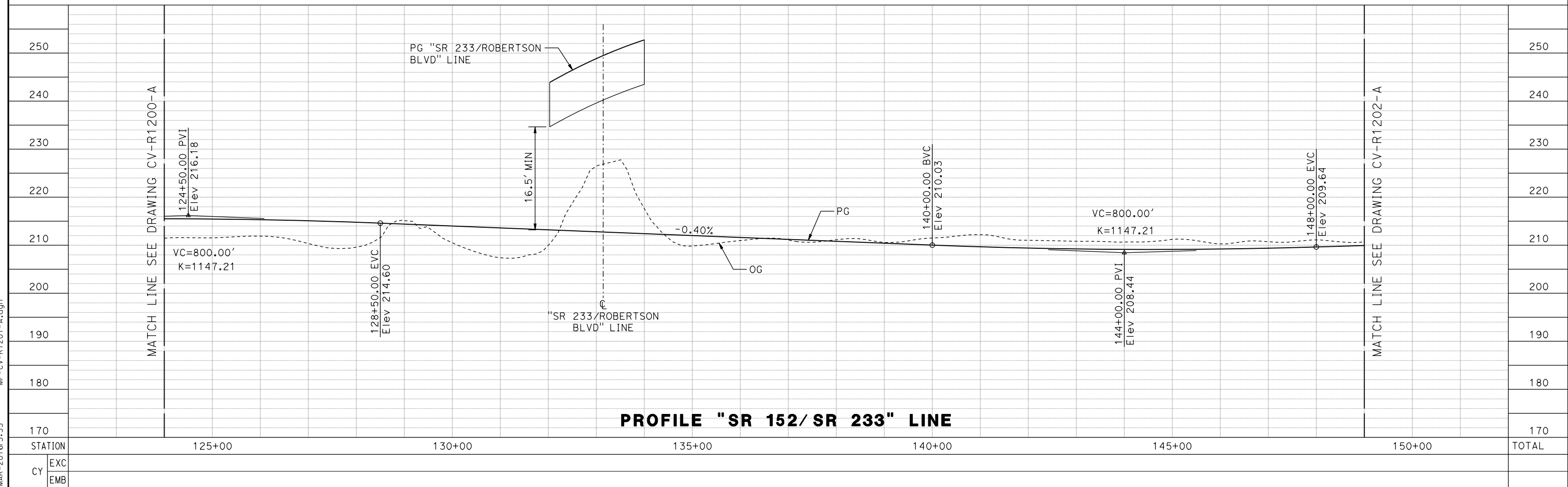
DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 152 REALIGNMENT AT SR 233	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. CV-R1200-A
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					

REV	DATE	BY	CHK	APP	DESCRIPTION

MF-CV-R1201-A.dgn  
09-MAR-2016 13:53  
p005133A



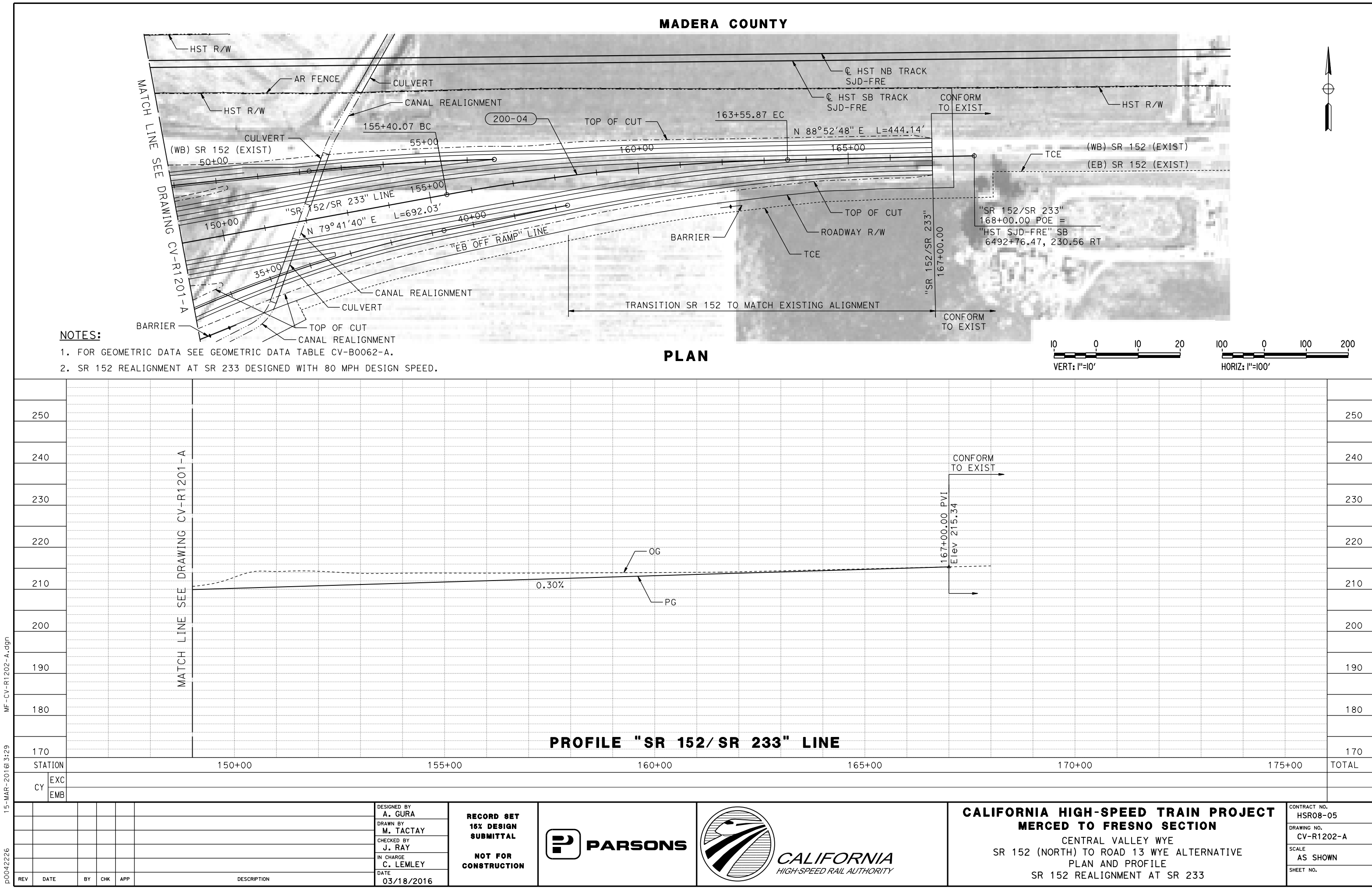
- NOTES:**
- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
  - 2. SR 152 REALIGNMENT AT SR 233 DESIGNED WITH 80 MPH DESIGN SPEED.

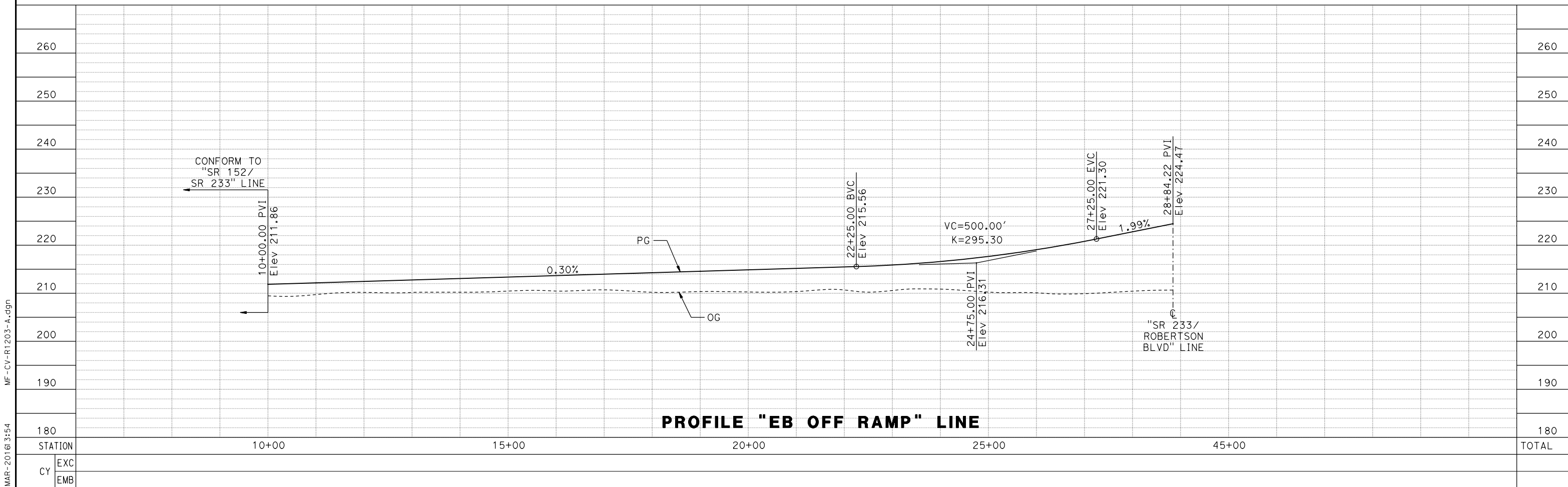
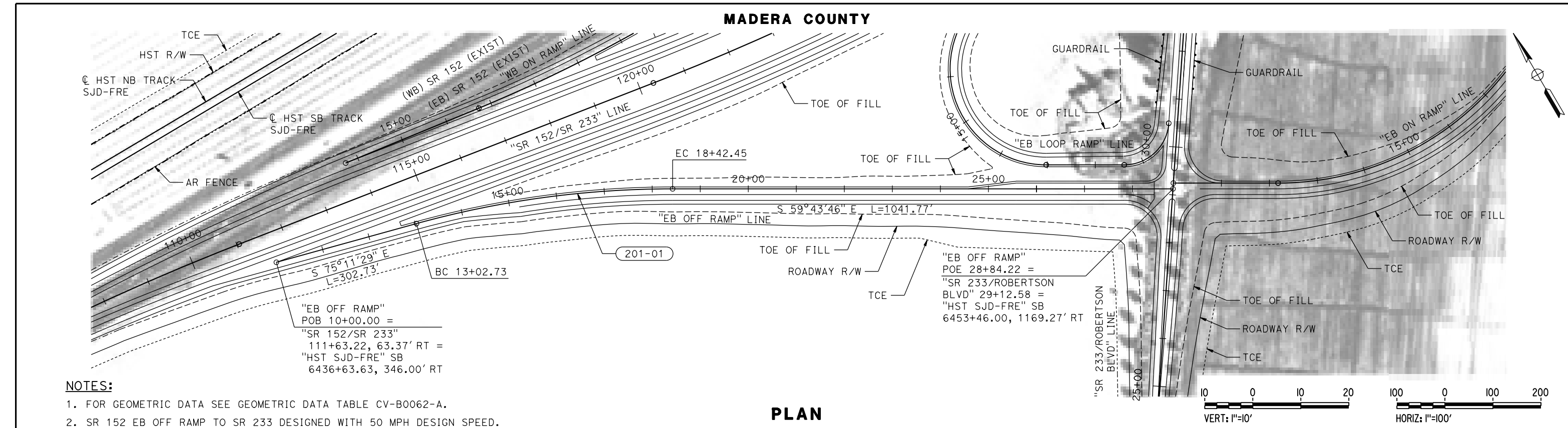


DESIGNED BY <b>A. GURA</b>	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 152 REALIGNMENT AT SR 233	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>					DRAWING NO. CV-R1201-A
CHECKED BY <b>J. RAY</b>					SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>					SHEET NO.
DATE <b>03/18/2016</b>					

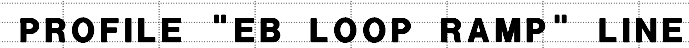
REV	DATE	BY	CHK	APP	DESCRIPTION





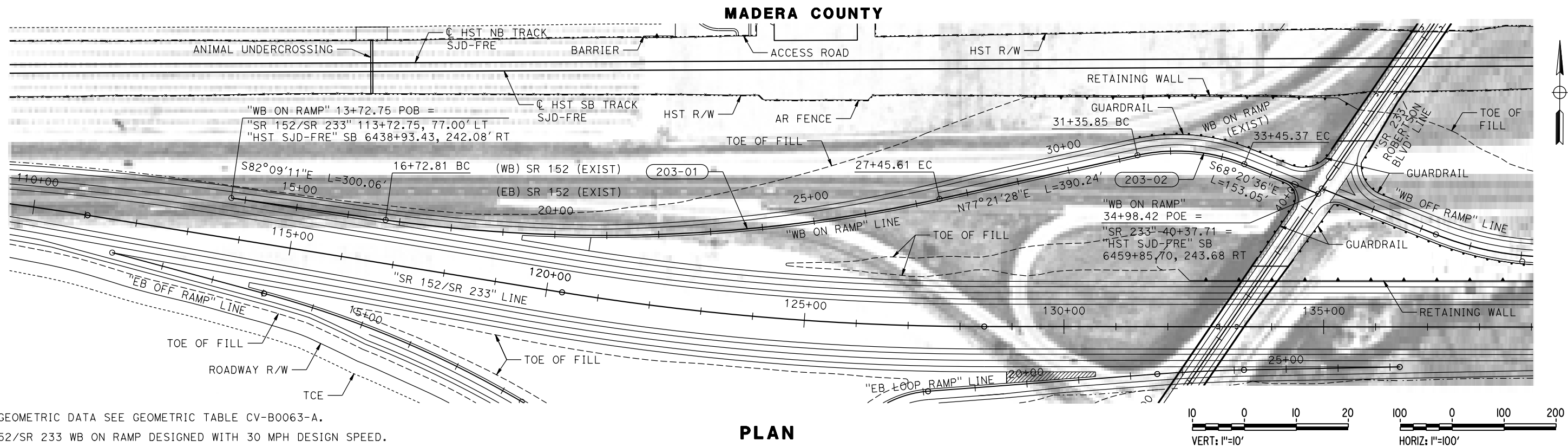


REV	DATE	BY	CHK	APP	DESCRIPTION	DESIGNED BY <b>A. GURA</b>	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 233/SR 152 EB OFF RAMP	CONTRACT NO. HSR08-05
						DRAWING NO. CV-R1203-A						
						SCALE AS SHOWN						
						SHEET NO.						

[illegible]

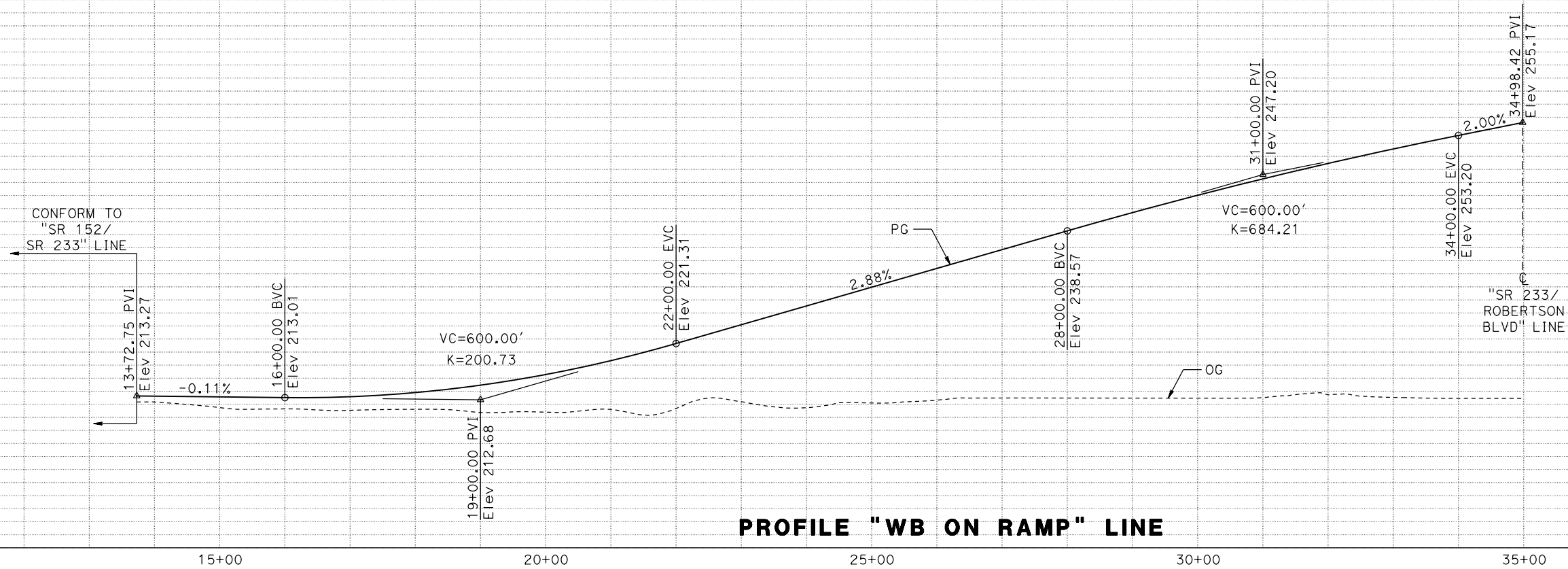
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DRAWING NO.	CV-R1204-A
SCALE	AS SHOWN
SHEET NO.	

MF-CV-R1205-A.dgn  
09-MAR-2016 13:55  
p005133A



**NOTES:**

1. FOR GEOMETRIC DATA SEE GEOMETRIC TABLE CV-B0063-A.
2. SR 152/SR 233 WB ON RAMP DESIGNED WITH 30 MPH DESIGN SPEED.



STATION
15+00
20+00
25+00
30+00
35+00
TOTAL

CY
EXC
EMB

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>M. TACTAY</b>
CHECKED BY <b>J. RAY</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>03/18/2016</b>

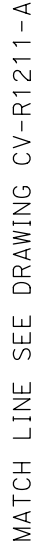
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

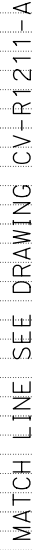


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 233/SR 152 WB ON RAMP

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-R1205-A</b>
SCALE <b>AS SHOWN</b>
SHEET NO.



1. FOR DETAIL OF SR 233/ROBERTSON BLVD OVERPASS SEE  
STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1210-A.
2. SR 233/ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.

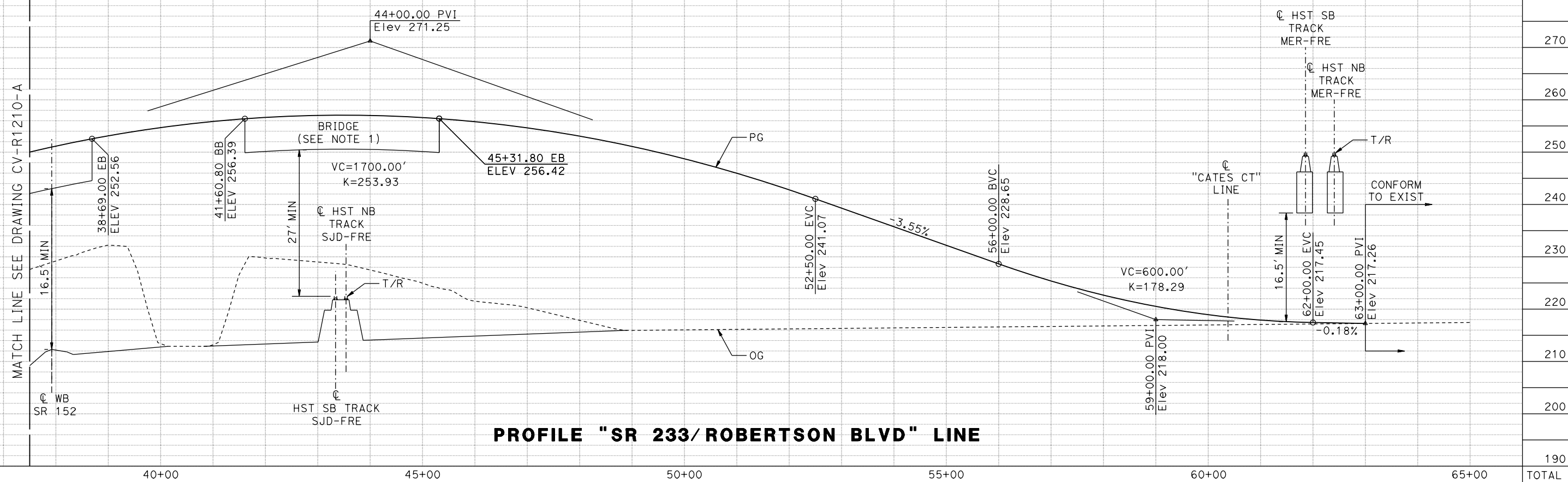
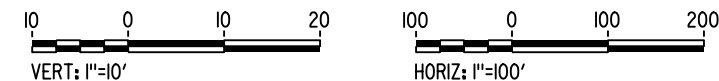


						DESIGNED BY A. GURA	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE SR 233/ROBERTSON BLVD GRADE SEPARATION	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-R1210-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

[illegible]

1. FOR DETAIL OF SR 233/ROBERTSON BLVD OVERPASS SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1210-A.
2. SR 233/ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.

## PLAN

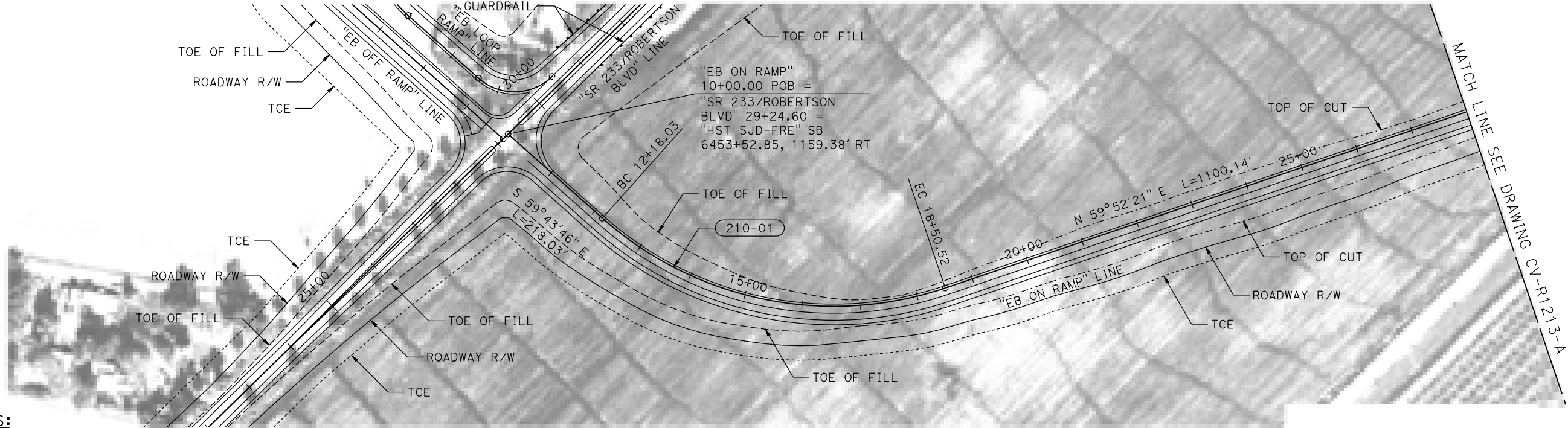


# PROFILE "SR 233/ROBERTSON BLVD" LINE

CY	EXC											
	EMB											
							DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <b>CALIFORNIA</b> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE  SR 233/ROBERTSON BLVD GRADE SEPARATION	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY	DRAWING NO. CV-R1211-A					
						CHECKED BY J. RAY	SCALE AS SHOWN					
						IN CHARGE C. LEMLEY	SHEET NO.					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016						



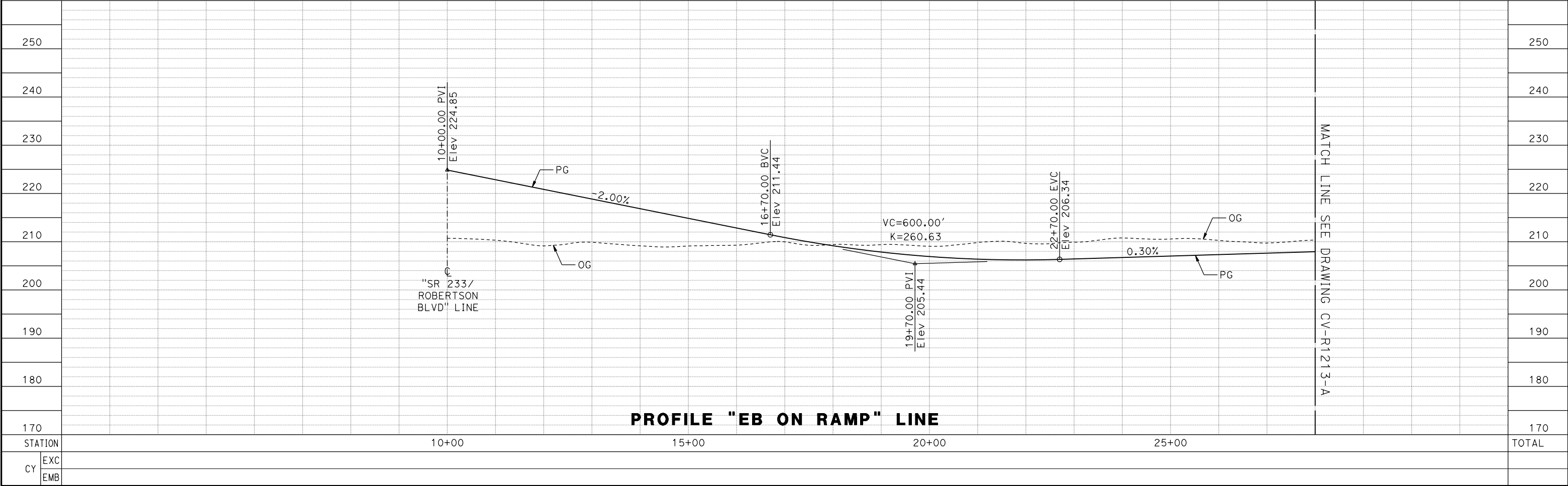
MADERA COUNTY



NOTES:

- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
- 2. SR 233/SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN



PROFILE "EB ON RAMP" LINE

MF-CV-R1212-A.dgn  
09-MAR-2016 13:56  
p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

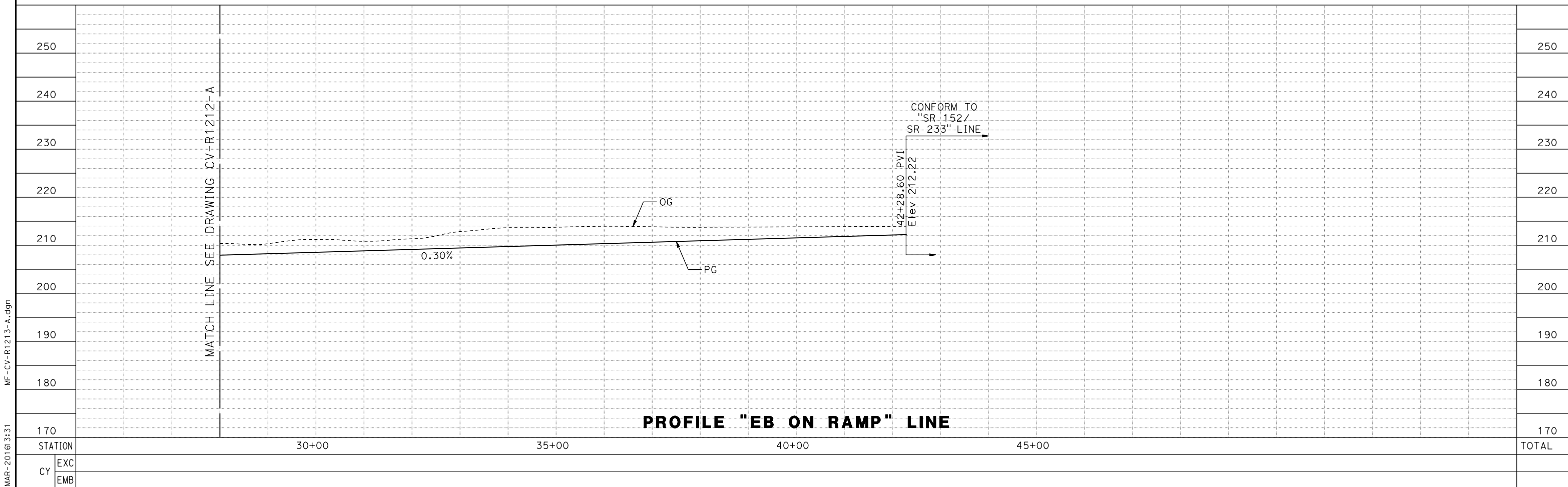
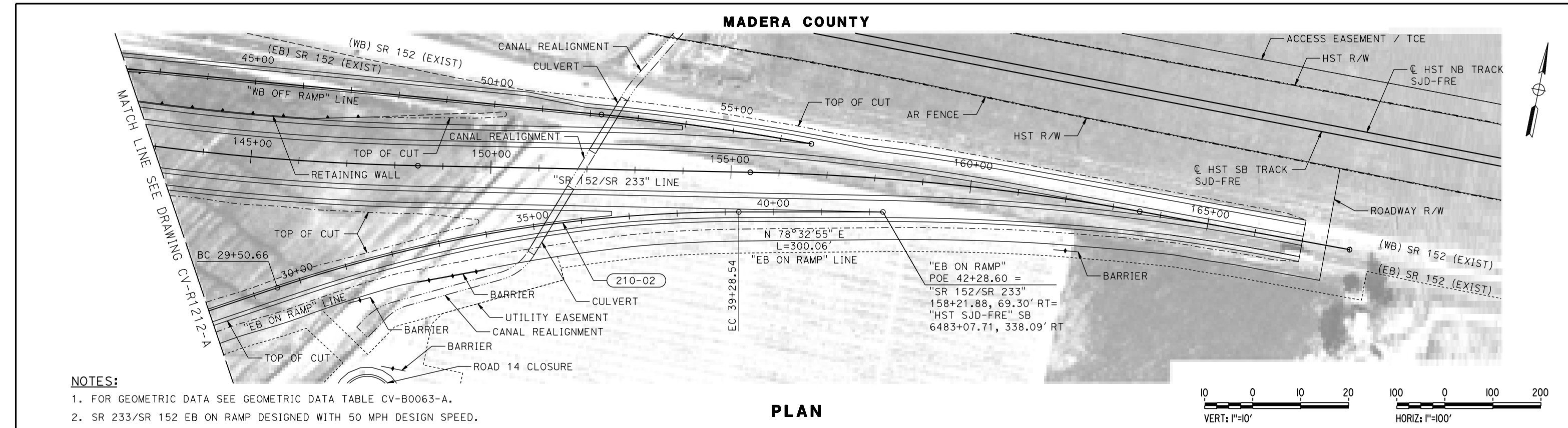
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 233/SR 152 EB ON RAMP

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1212-A
SCALE AS SHOWN
SHEET NO.





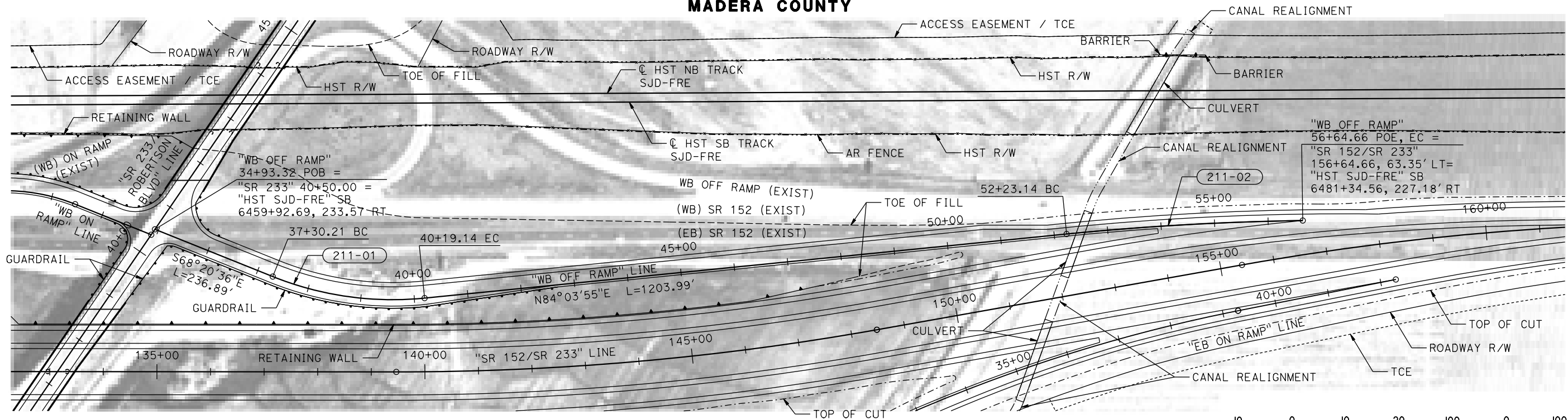
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR</b> CONSTRUCTION
DRAWN BY M. TACTAY	
CHECKED BY J. RAY	
IN CHARGE C. LEMLEY	
DATE 03/18/2016	

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 233/SR 152 EB ON RAMP

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1213-A
SCALE AS SHOWN
SHEET NO.

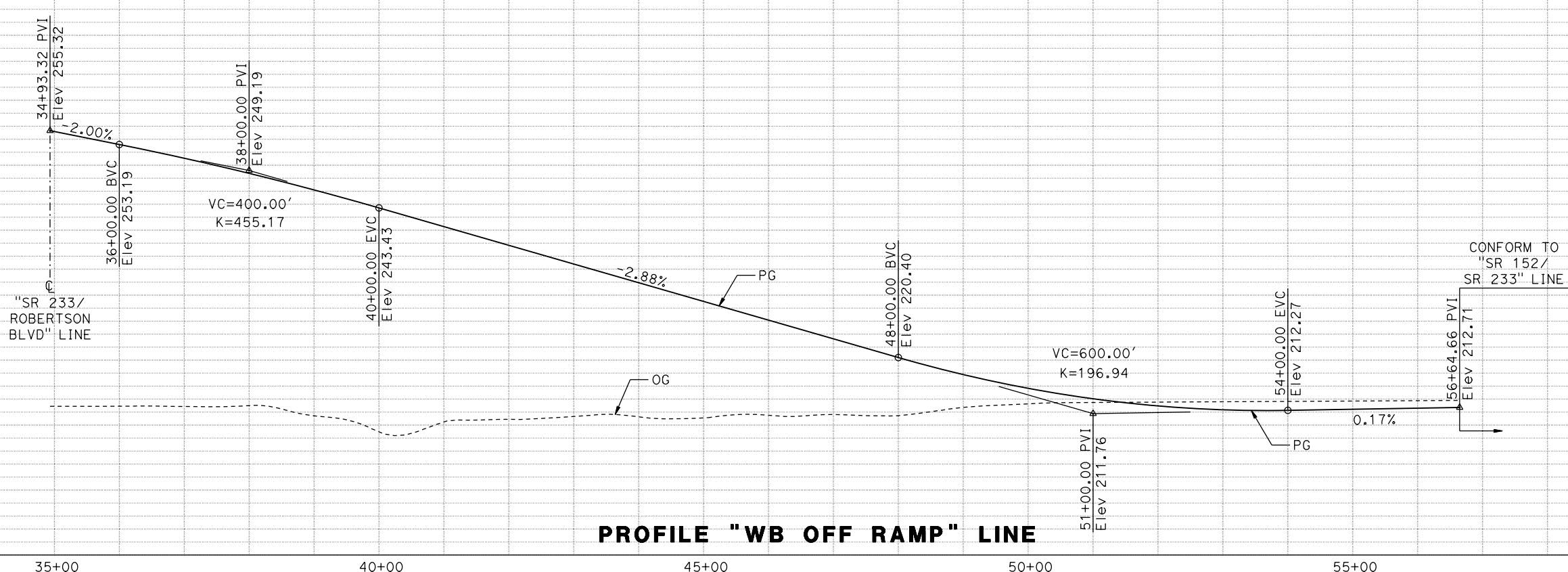
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
2. SR 152/SR 233 WB OFF RAMP DESIGNED WITH 40 MPH DESIGN SPEED.

PLAN



PROFILE "WB OFF RAMP" LINE

15-MAR-2016 3:31 MF-CV-R1214-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
A. GURA  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

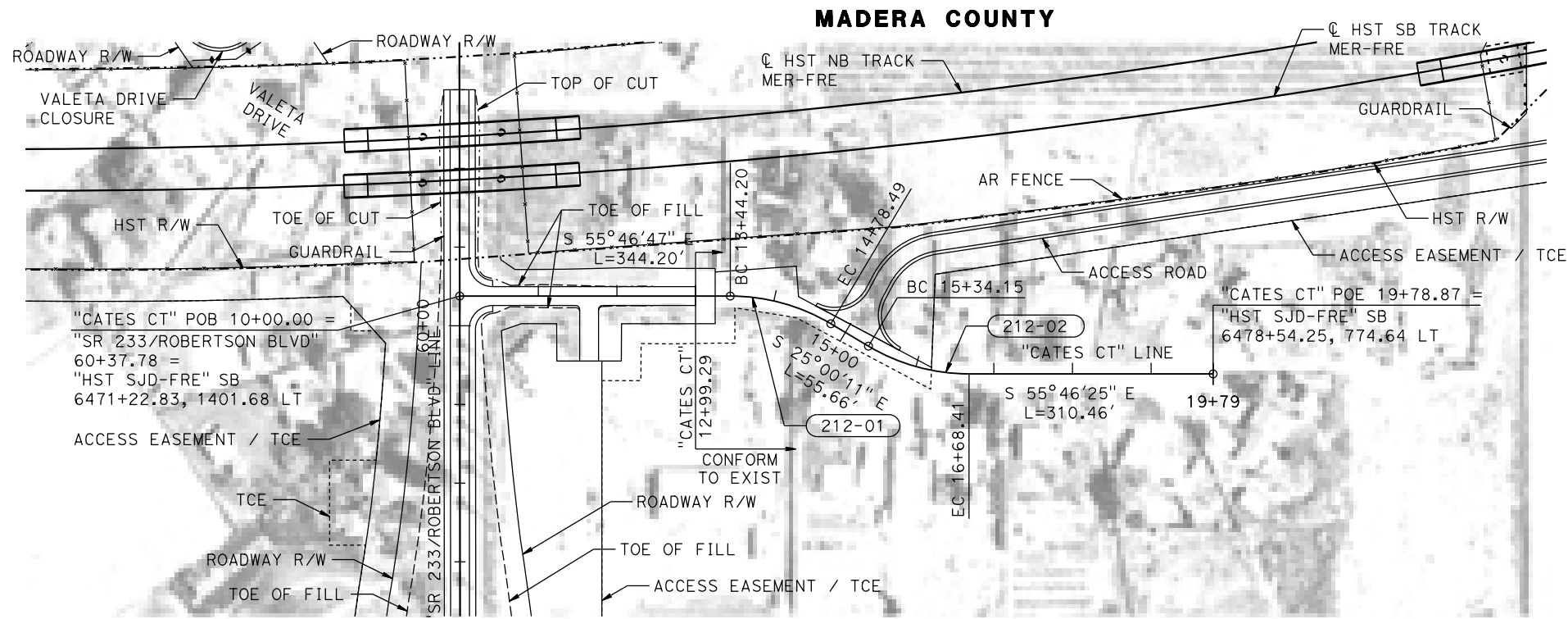
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 233/SR 152 WB OFF RAMP

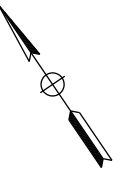
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1214-A  
SCALE  
AS SHOWN  
SHEET NO.

p0042226 15-MAR-2016 3:32 MF-CV-R1215-A.dgn

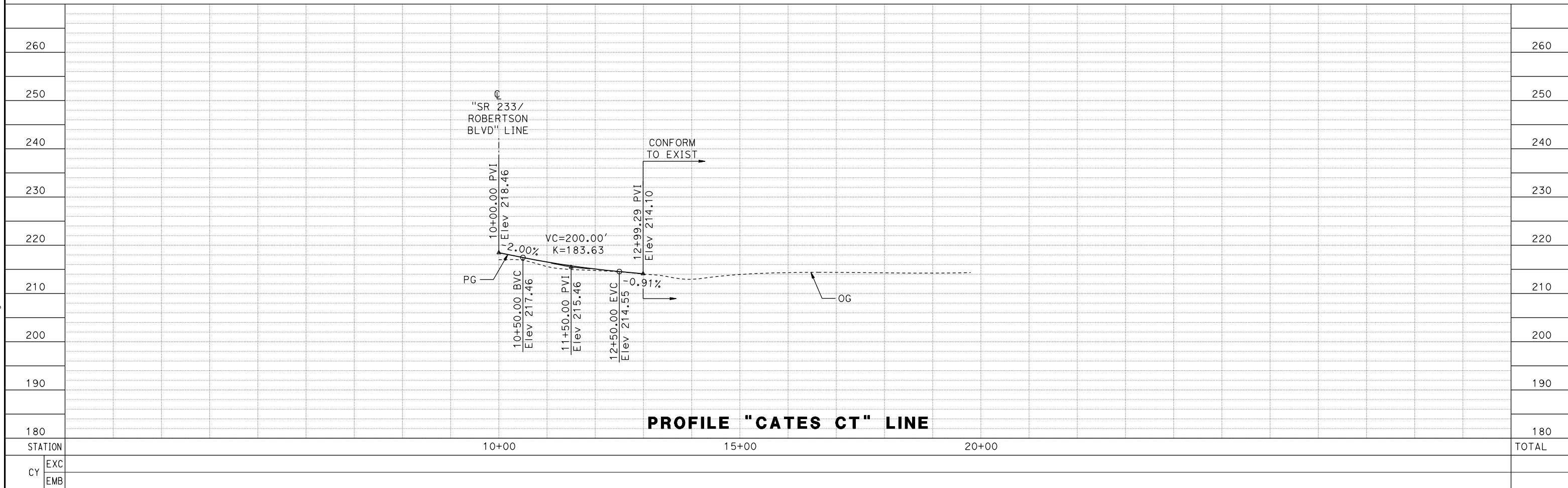
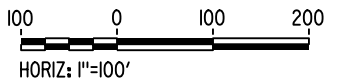
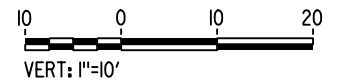


**NOTES:**

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
2. CATES COURT DESIGNED WITH 25 MPH DESIGN SPEED.



**PLAN**



**PROFILE "CATES CT" LINE**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**J. RAY**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
CATES COURT REALIGNMENT

CONTRACT NO.  
HSR08-05

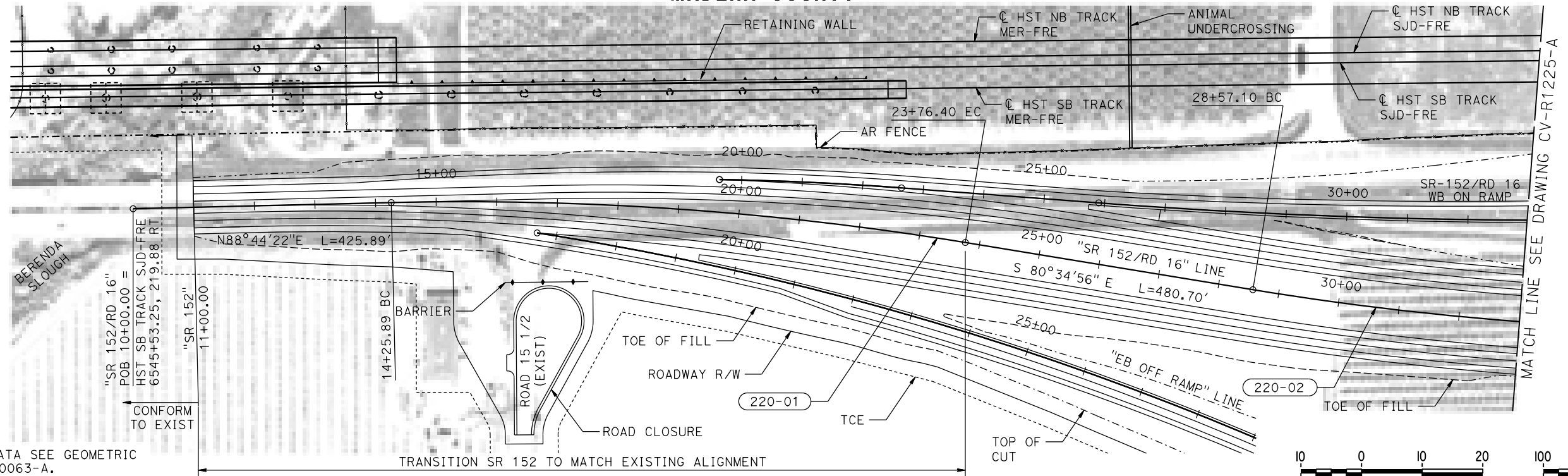
DRAWING NO.  
CV-R1215-A

SCALE  
AS SHOWN

SHEET NO.

MF-CV-R1224-A.dgn  
09-MAR-2016 13:58  
p005133A

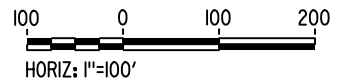
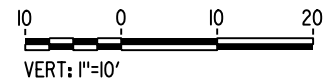
MADERA COUNTY



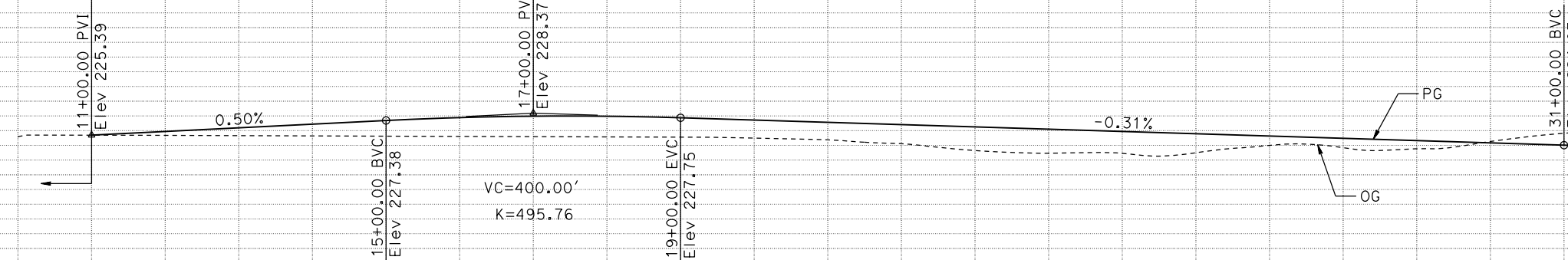
NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
- SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGNED SPEED.

PLAN



CONFORM  
TO EXIST



PROFILE "SR 152/RD 16" LINE

STATION		10+00	15+00	20+00	25+00	30+00	33+00	TOTAL
CY	EXC							
	EMB							

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

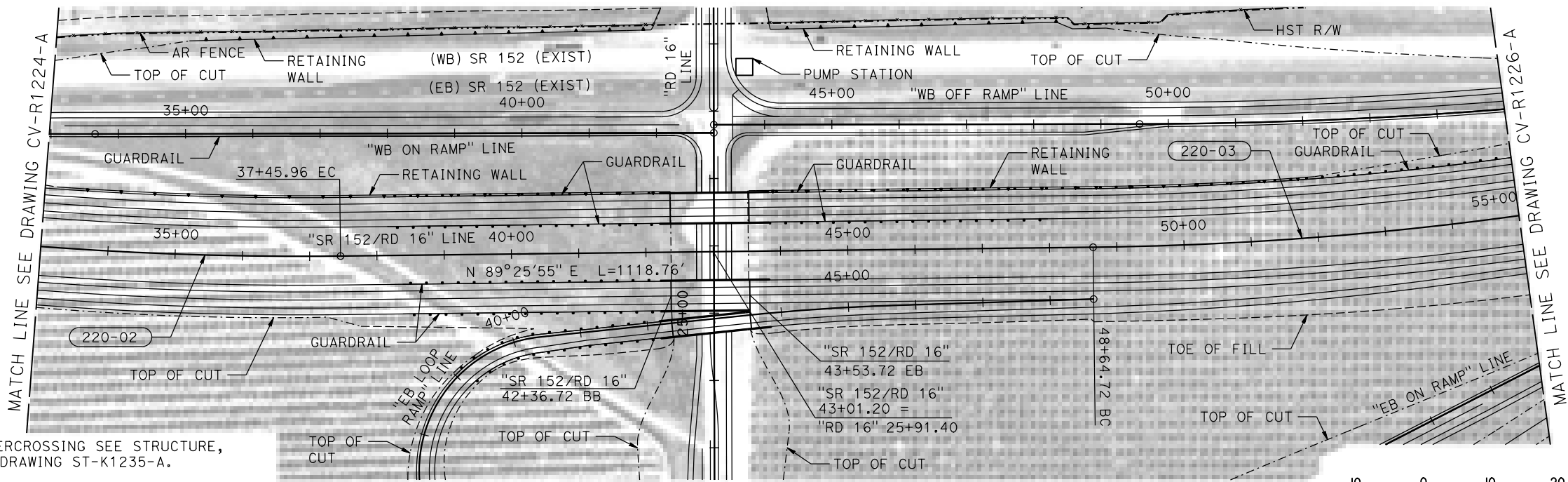


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
SR 152 REALIGNMENT AT ROAD 16

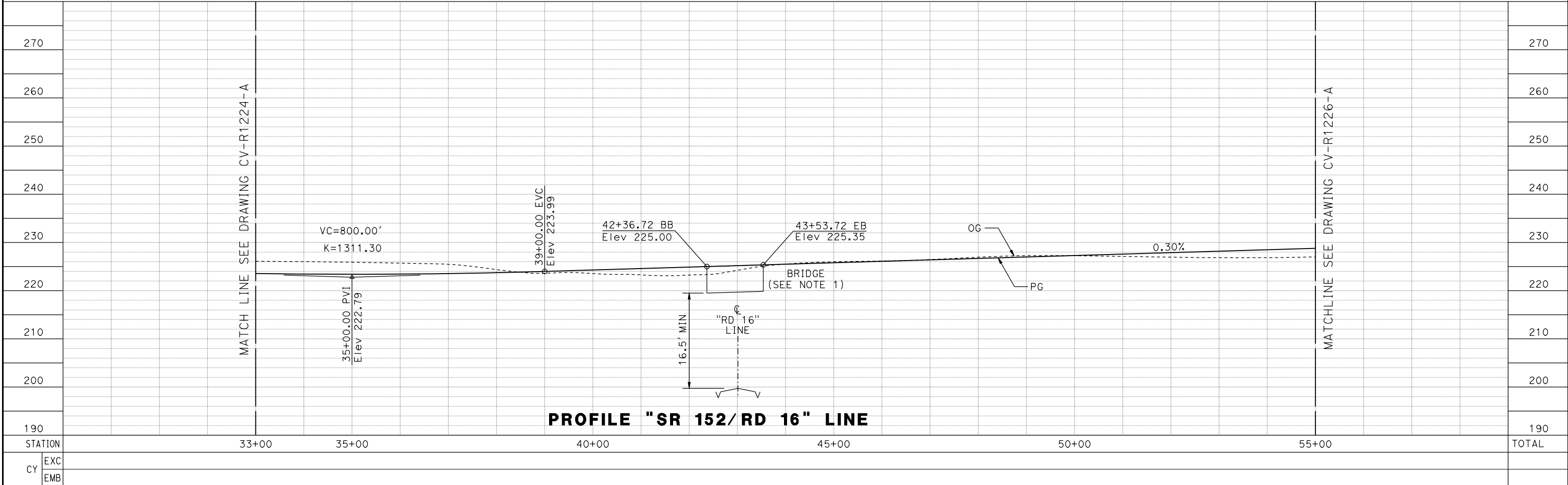
CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-R1224-A**  
SCALE  
**AS SHOWN**  
SHEET NO.

MADERA COUNTY



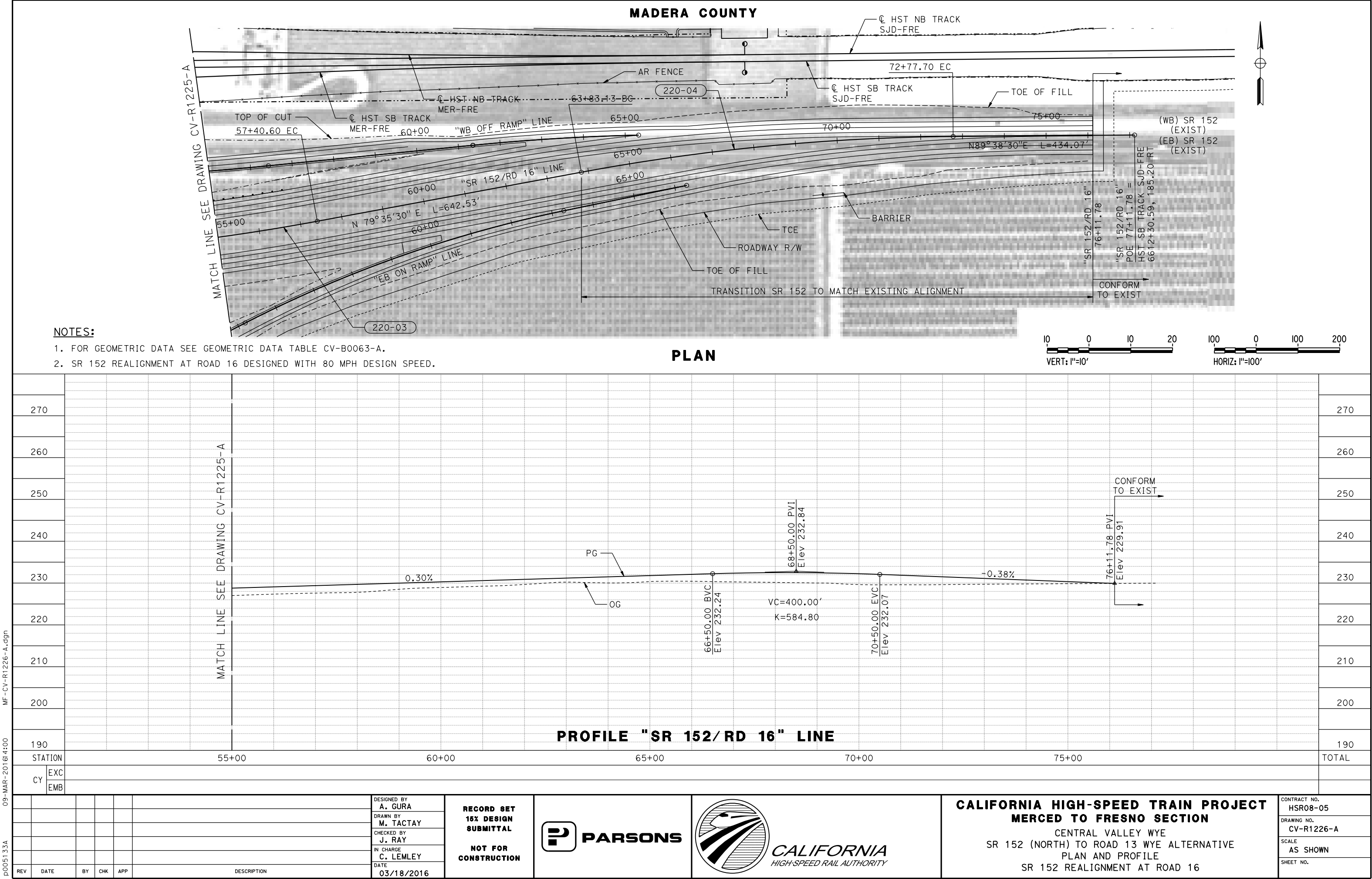
- NOTES:**
- 1. FOR DETAIL OF ROAD 16 UNDERCROSSING SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1235-A.
  - 2. FOR GEOMETRIC DATA SEE GEOMTRIC DATA TABLE CV-B0063-A.
  - 3. SR 152 REALIGNMENT AT ROAD 16 DESIGNED WITH 80 MPH DESIGN SPEED.

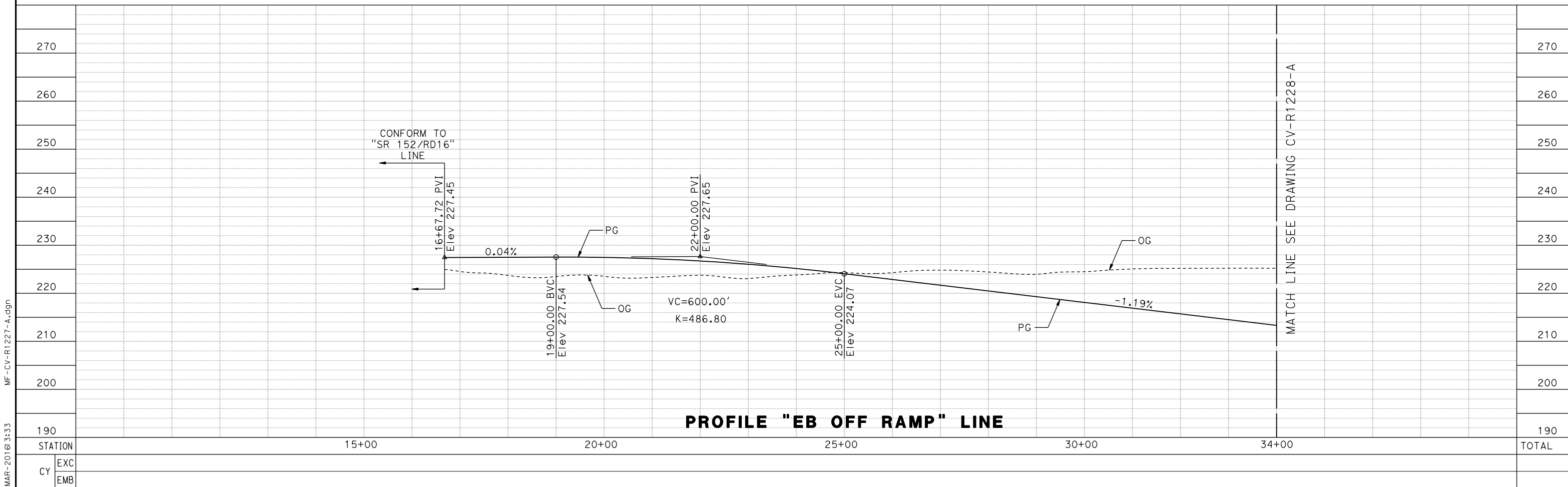
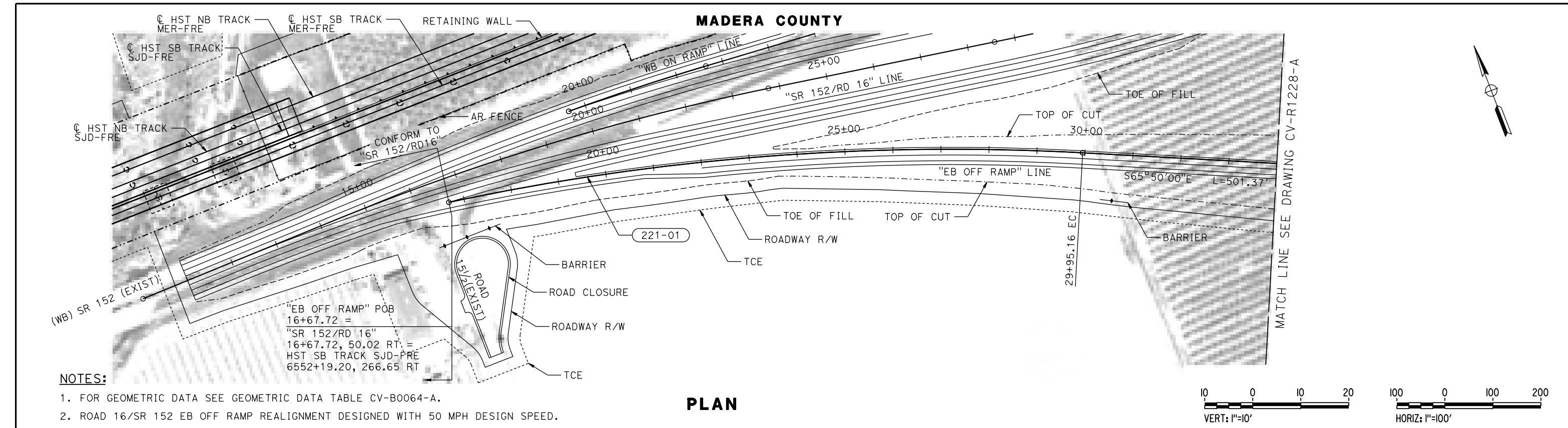
PLAN



PROFILE "SR 152/ RD 16" LINE

<div>DESIGNED BY <b>A. GURA</b></div> <div>DRAWN BY <b>M. TACTAY</b></div> <div>CHECKED BY <b>J. RAY</b></div> <div>IN CHARGE <b>C. LEMLEY</b></div> <div>DATE <b>03/18/2016</b></div>					<div>RECORD SET <b>15% DESIGN SUBMITTAL</b></div> <div>NOT FOR <b>CONSTRUCTION</b></div>		<div></div> <div></div>		<div><b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b></div> <div><b>MERCED TO FRESNO SECTION</b></div> <div>CENTRAL VALLEY WYE</div> <div>SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</div> <div>PLAN AND PROFILE</div> <div>SR 152 REALIGNMENT AT ROAD 16</div>			<div>CONTRACT NO. <b>HSR08-05</b></div> <div>DRAWING NO. <b>CV-R1225-A</b></div> <div>SCALE <b>AS SHOWN</b></div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								



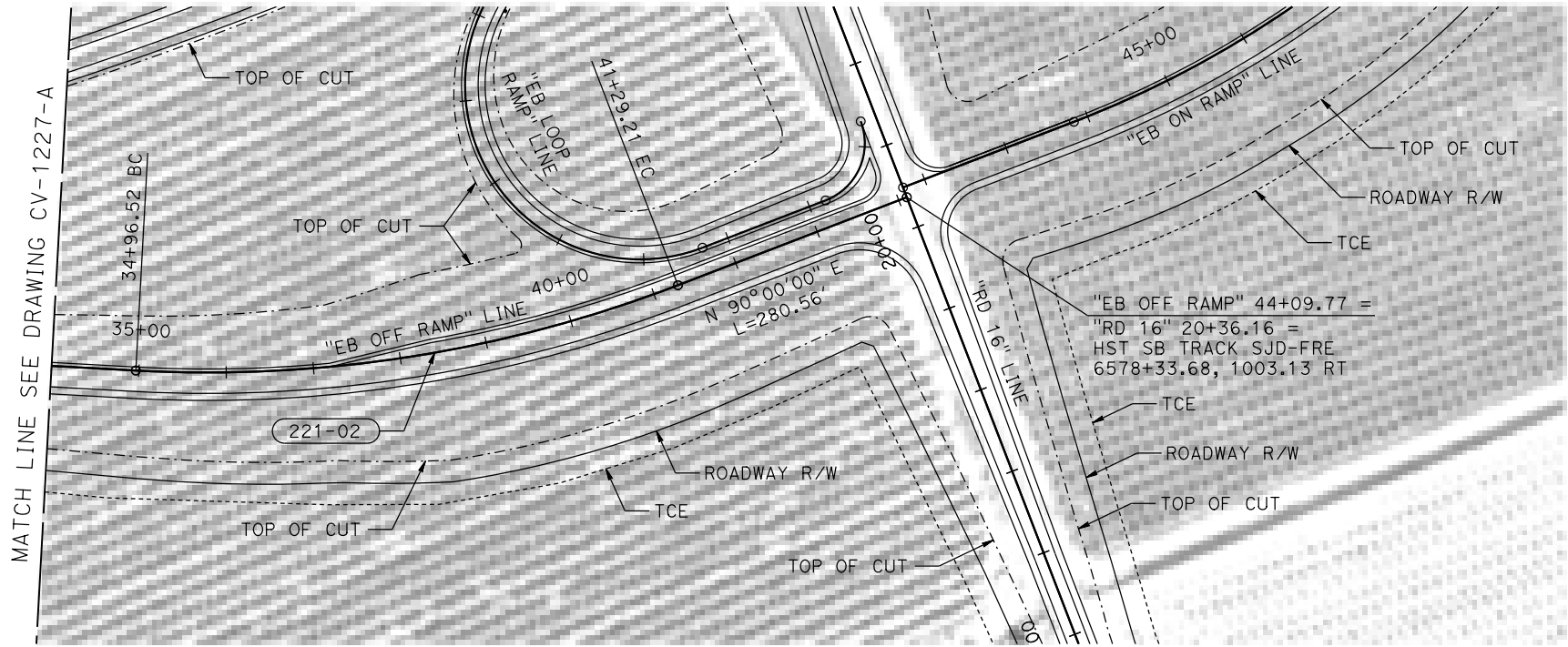


DESIGNED BY <b>A. GURA</b>	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 16/SR 152 EB OFF RAMP	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>						DRAWING NO. CV-R1227-A
CHECKED BY <b>J. RAY</b>						SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>						SHEET NO.
DATE <b>03/18/2016</b>						
REV	DATE	BY	CHK	APP	DESCRIPTION	



09-MAR-2016 4:01 MF-CV-R1228-A.dgn p005133a

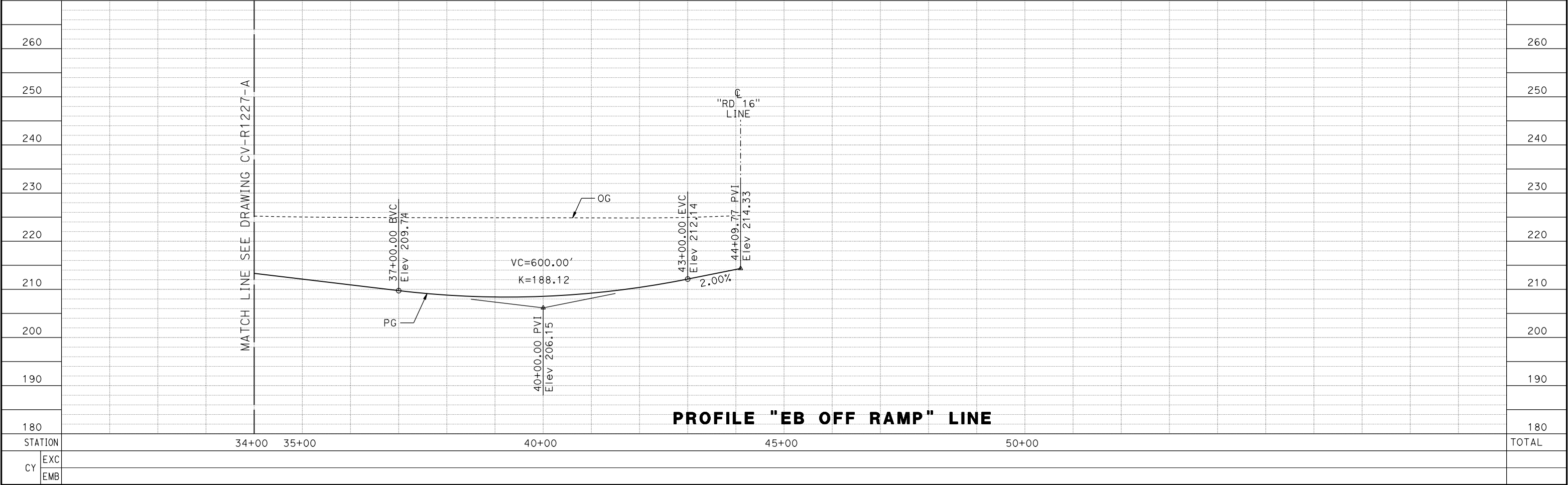
MADERA COUNTY



NOTES:

- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
- 2. SR 152 EB OFF RAMP DESIGNED FOR 50 MPH DESIGN SPEED.

PLAN



PROFILE "EB OFF RAMP" LINE

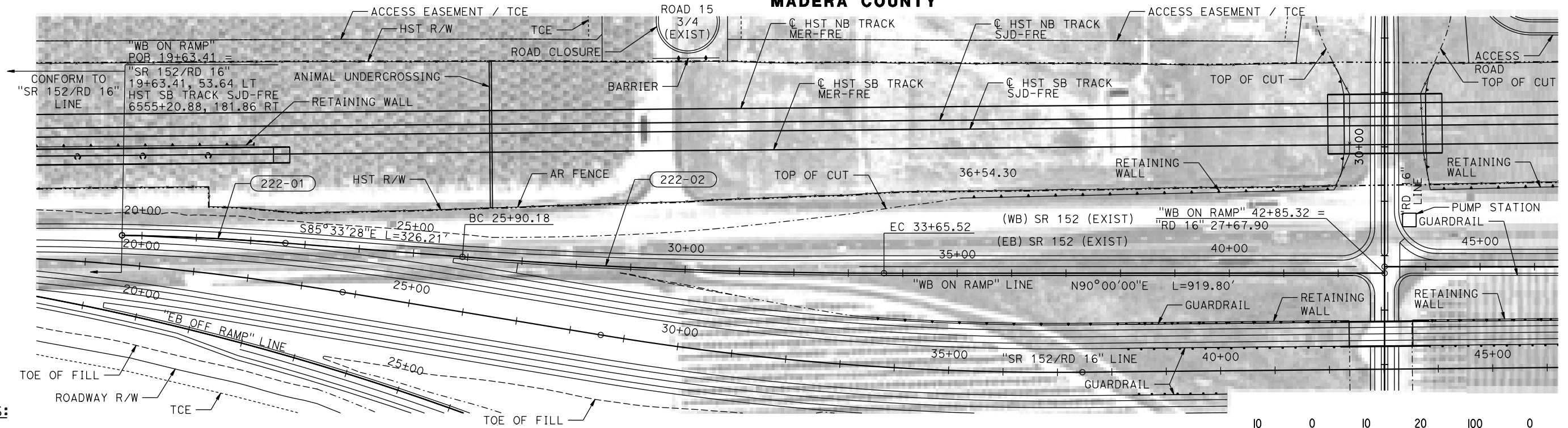
DESIGNED BY <b>A. GURA</b>	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 16/SR 152 EB OFF RAMP	CONTRACT NO. HSR08-05
DRAWN BY <b>M. TACTAY</b>					DRAWING NO. CV-R1228-A
CHECKED BY <b>J. RAY</b>					SCALE AS SHOWN
IN CHARGE <b>C. LEMLEY</b>					SHEET NO.
DATE <b>03/18/2016</b>					

REV	DATE	BY	CHK	APP	DESCRIPTION

15-MAR-2016 16:33 MF-CV-R1229-A.dgn

p0042226

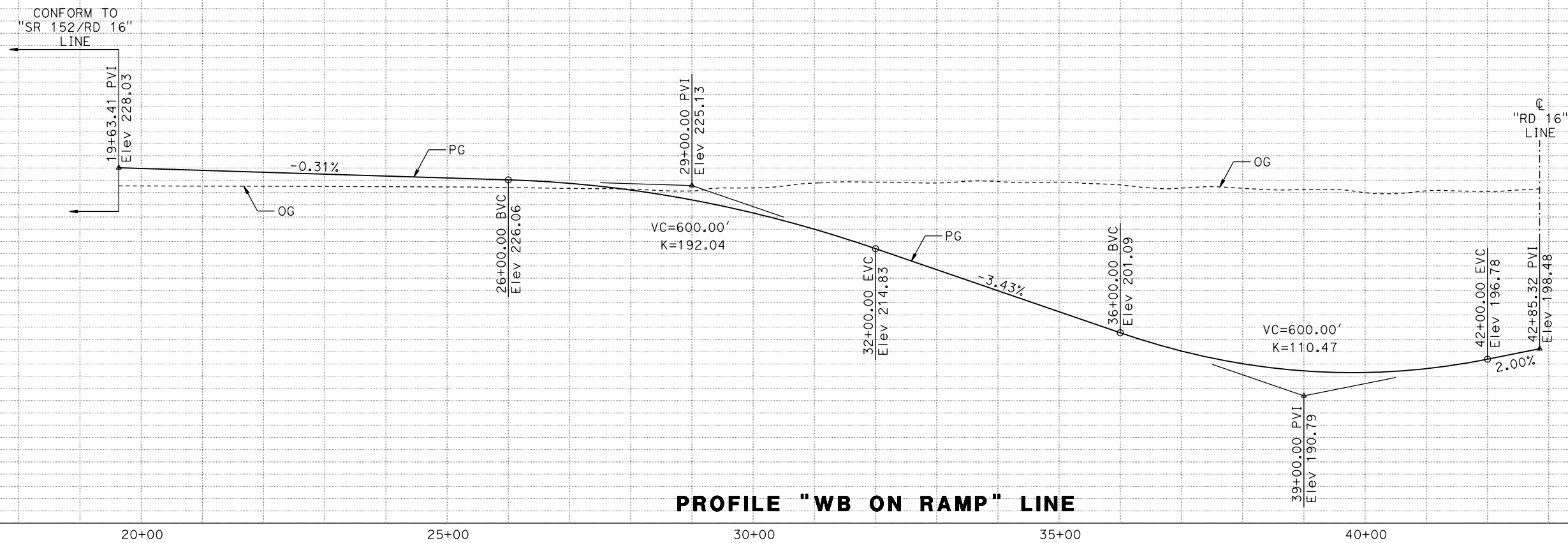
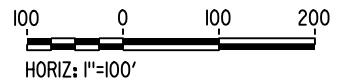
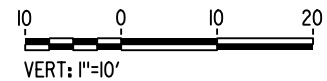
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
2. SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN



PROFILE "WB ON RAMP" LINE

STATION	20+00	25+00	30+00	35+00	40+00	45+00	TOTAL
EXC							
EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
M. TACTAY  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

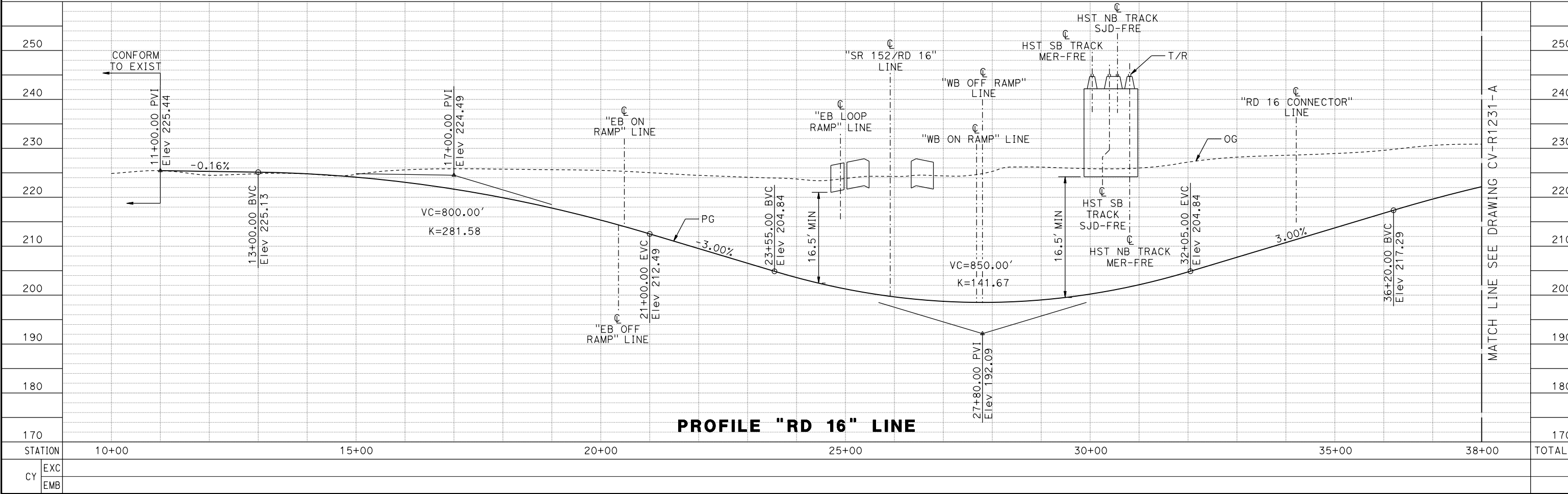
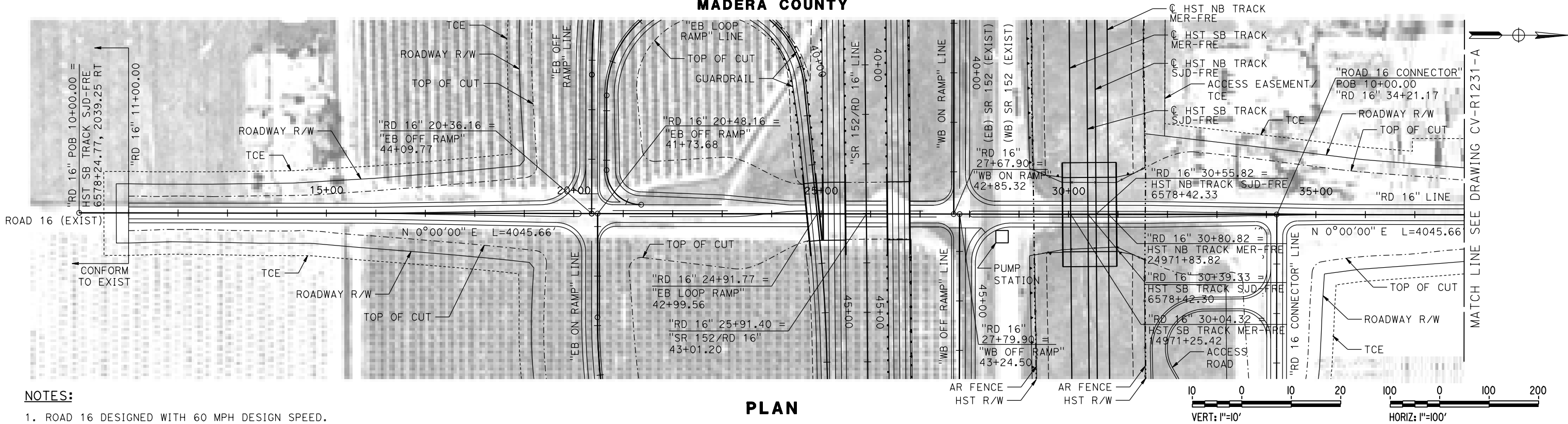
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



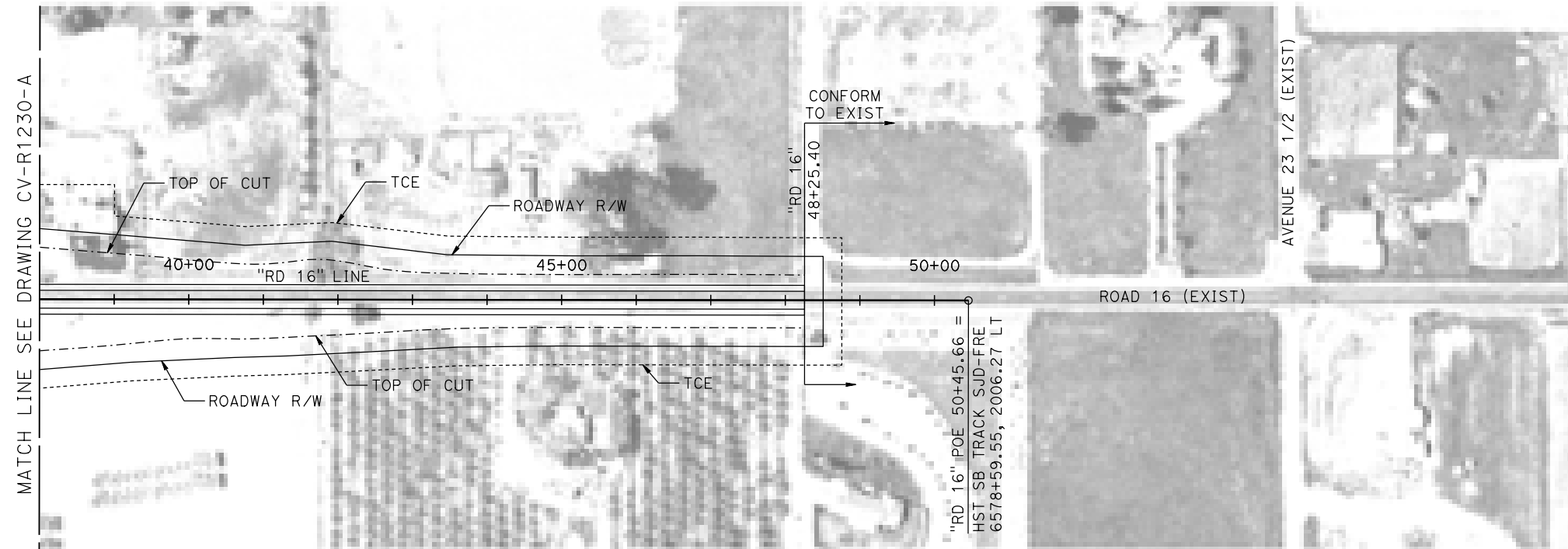
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 16/SR 152 WB ON RAMP

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1229-A  
SCALE  
AS SHOWN  
SHEET NO.

MADERA COUNTY



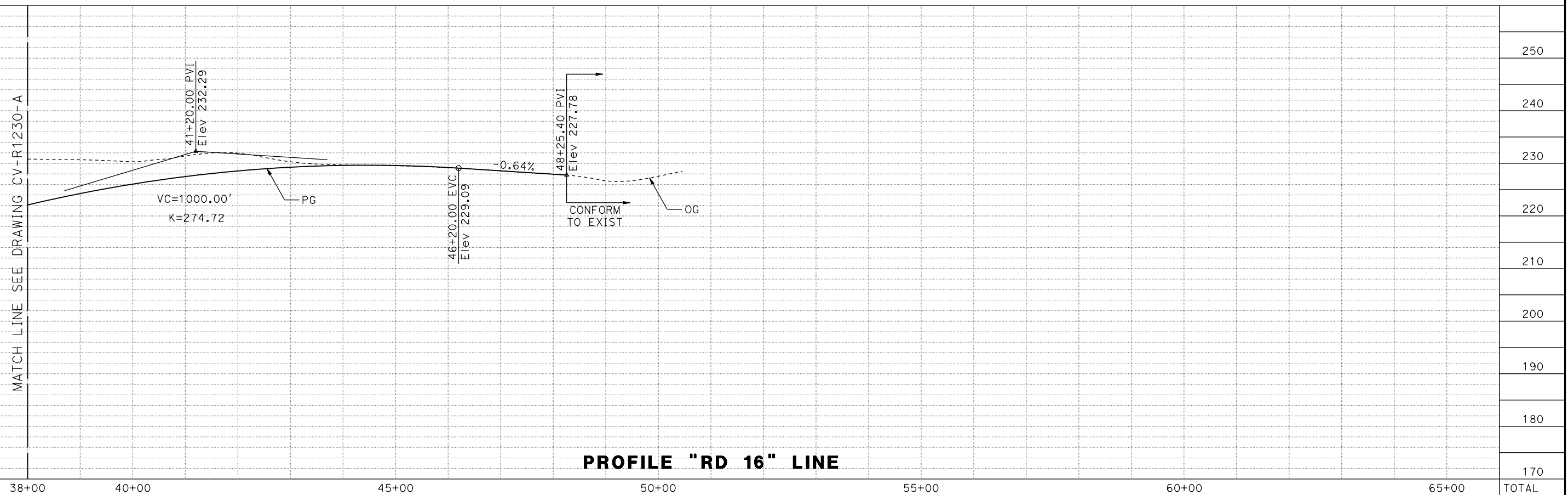
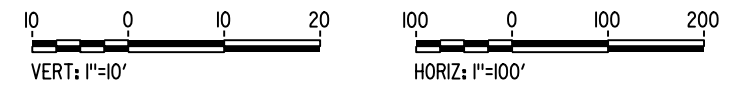
<div>DESIGNED BY A. GURA</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY J. RAY</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 09/09/2016</div>					<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 16 GRADE SEPARATION</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. CV-R1230-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
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**MADERA COUNTY**


NOTES:

1. ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.

## PLAN



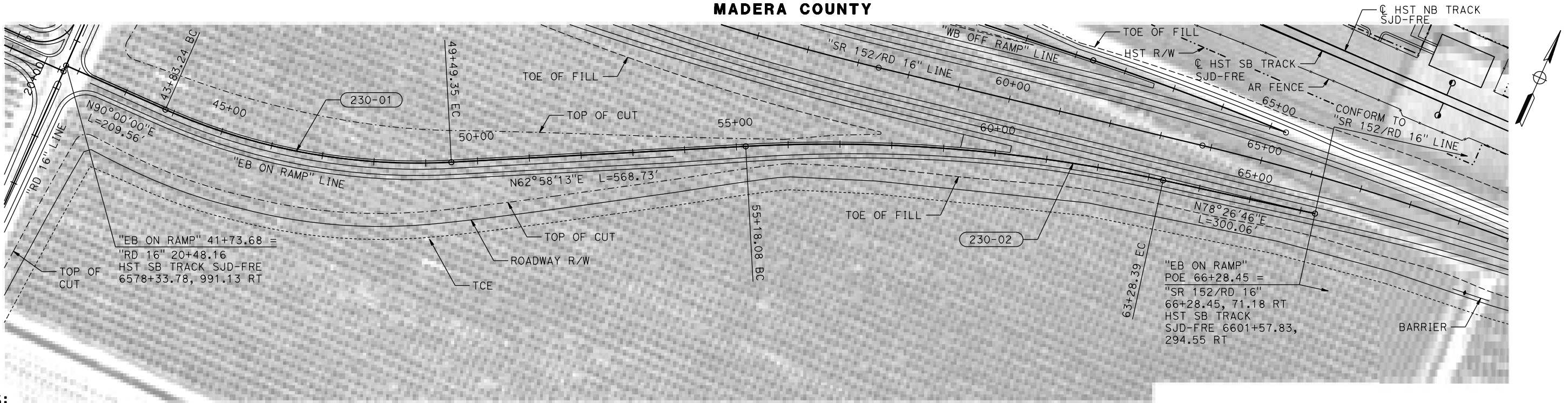
## PROFILE "RD 16" LINE

CY	EXC											
	EMB											
							DESIGNED BY A. GURA	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	 <b>PARSONS</b>	 <b>CALIFORNIA</b> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 16 GRADE SEPARATION	CONTRACT NO. HSR08-05
							DRAWN BY M. TACTAY					DRAWING NO. CV-R1231-A
							CHECKED BY J. RAY					SCALE AS SHOWN
							IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION		DATE 09/09/2016					

15-MAR-2016 17:29 MF-CV-R1232-A.dgn

p0042226

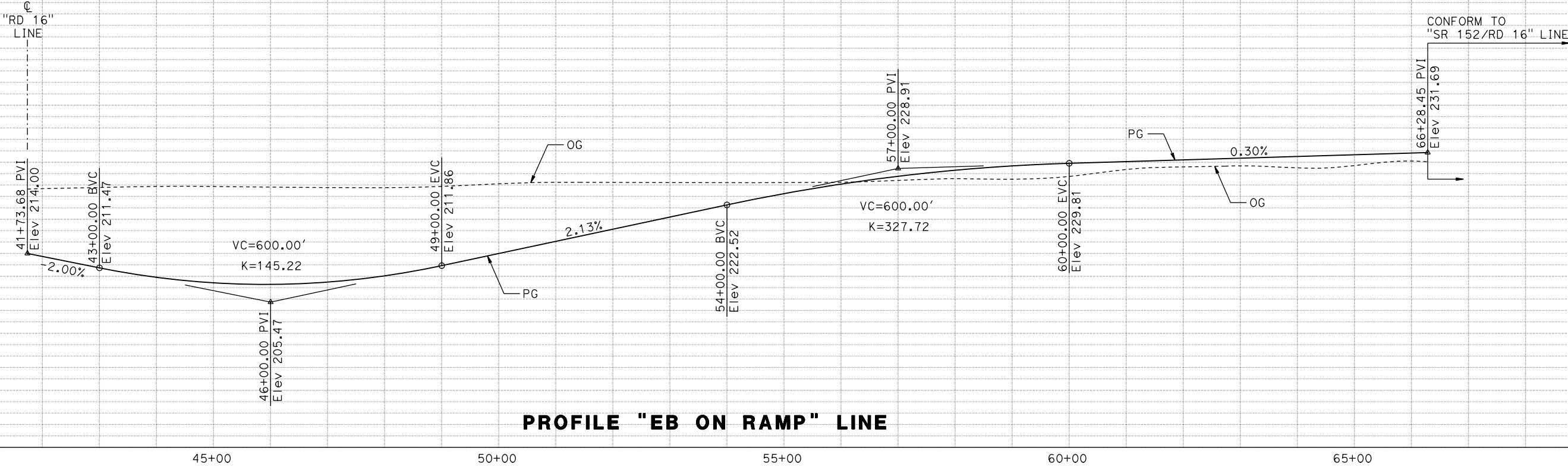
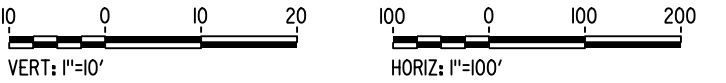
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
2. SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGNED SPEED.

PLAN



PROFILE "EB ON RAMP" LINE

DESIGNED BY  
A. GURA  
DRAWN BY  
M. TACTAY  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION

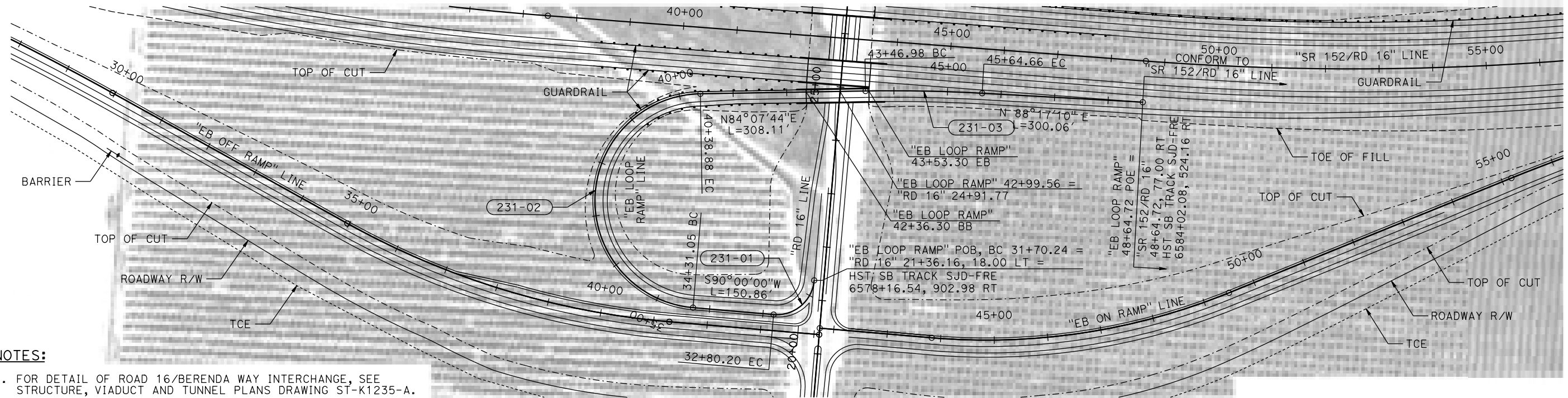


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 16/SR 152 EB ON RAMP

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1232-A  
SCALE  
AS SHOWN  
SHEET NO.

p0042226 15-MAR-2016 17:30 MF-CV-R1233-A.dgn

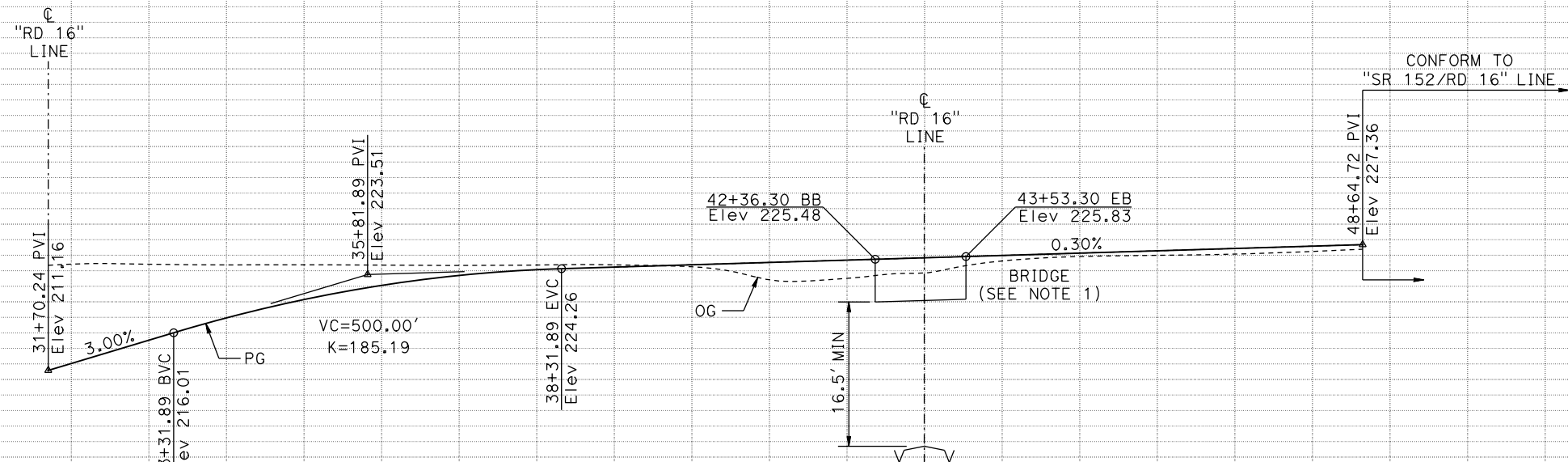
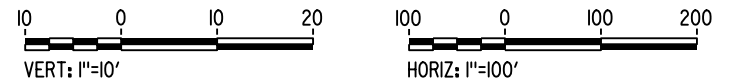
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 16/BERENDA WAY INTERCHANGE, SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1235-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
3. SR 152 EB LOOP RAMP DESIGNED WITH 30 MPH DESIGN SPEED.

PLAN



PROFILE "EB LOOP RAMP" LINE

STATION	30+00	35+00	40+00	45+00	50+00	TOTAL
EXC						
EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
M. TACTAY  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

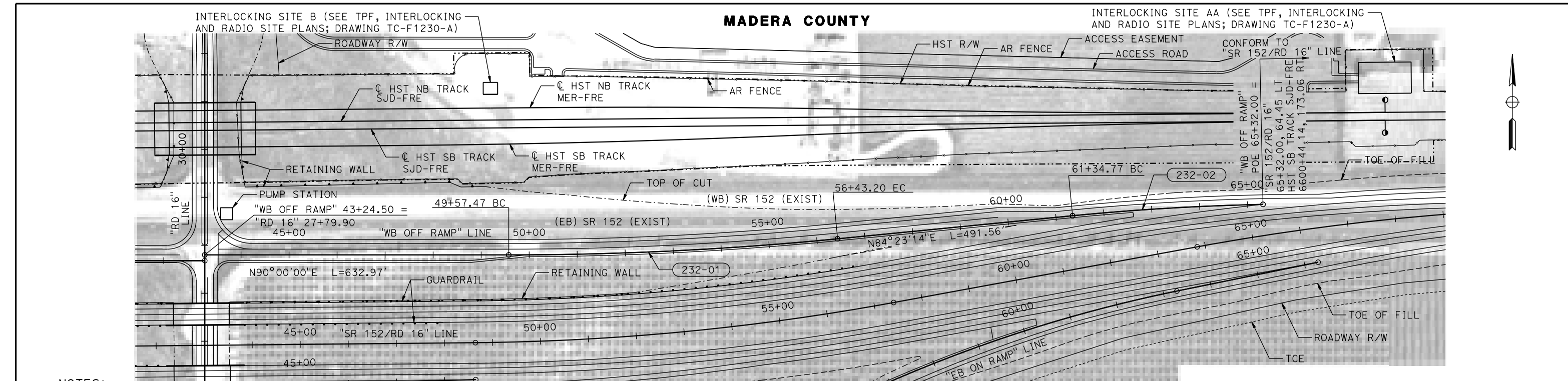
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 16/SR 152 EB LOOP RAMP

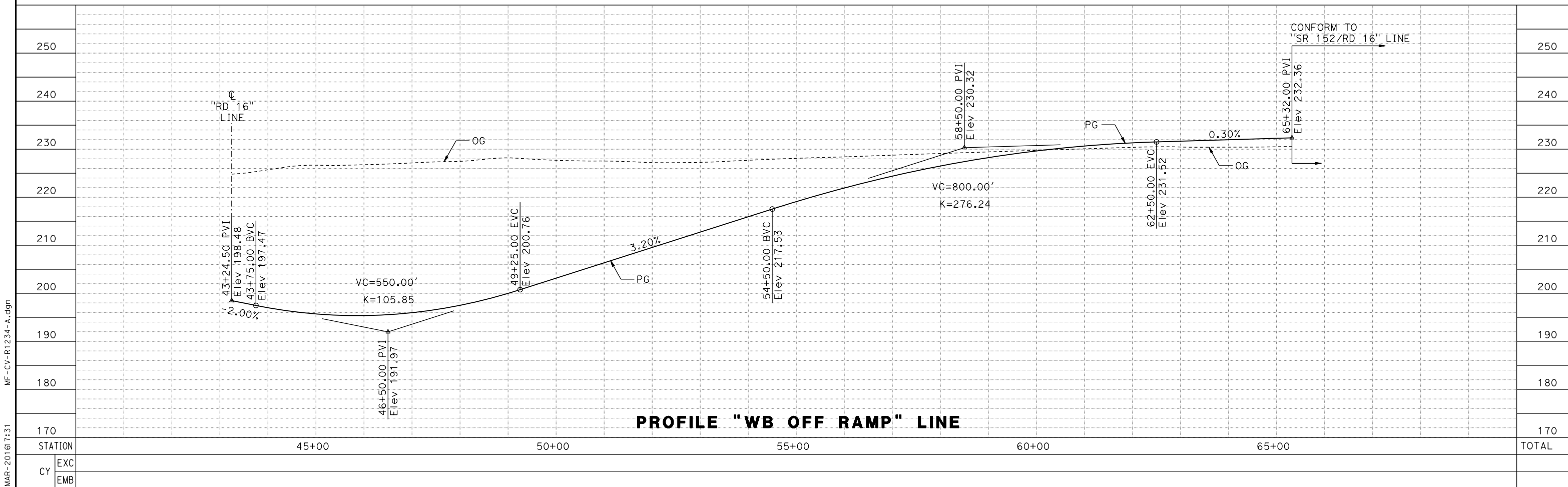
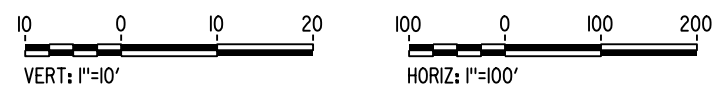
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1233-A  
SCALE  
AS SHOWN  
SHEET NO.





- NOTES:
- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
  - 2. SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

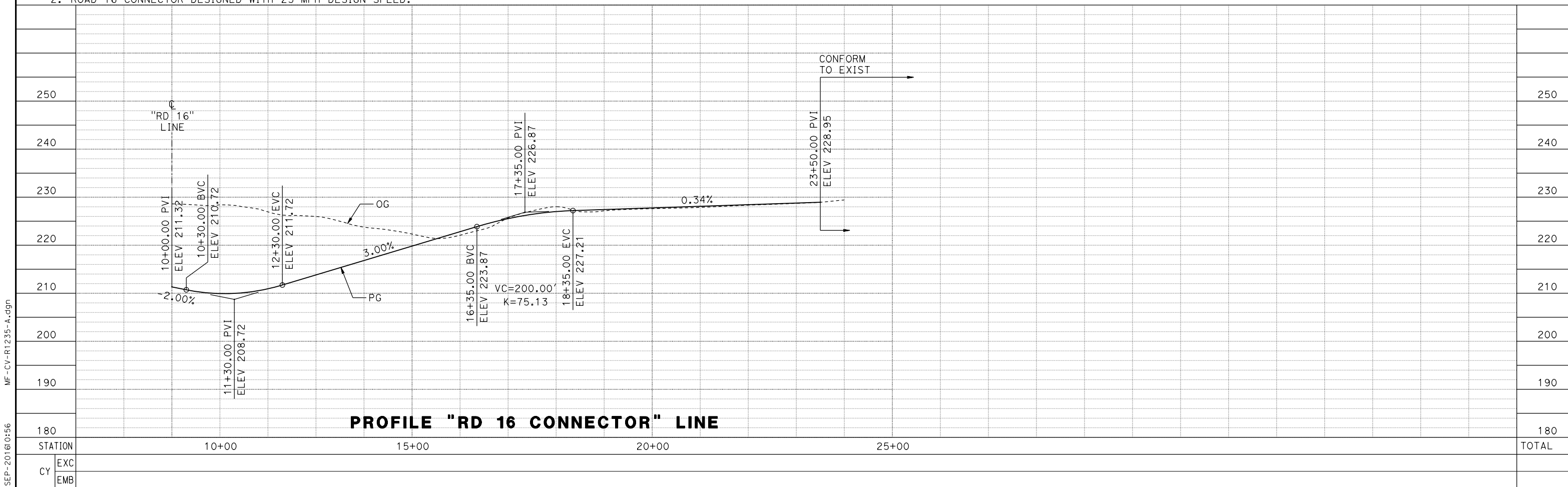
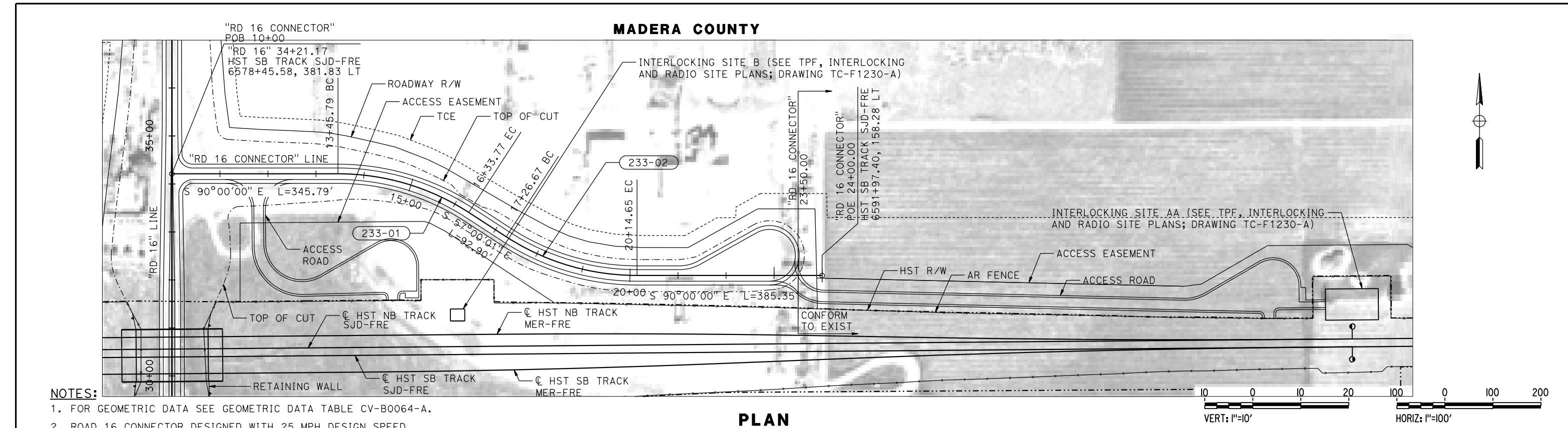




PROFILE "WB OFF RAMP" LINE

15-MAR-2016 17:31 MF-CV-R1234-A.dgn

<div>DESIGNED BY A. GURA</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY J. RAY</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</div> <div>PLAN AND PROFILE</div> <div>ROAD 16/SR 152 WB OFF RAMP</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. CV-R1234-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								

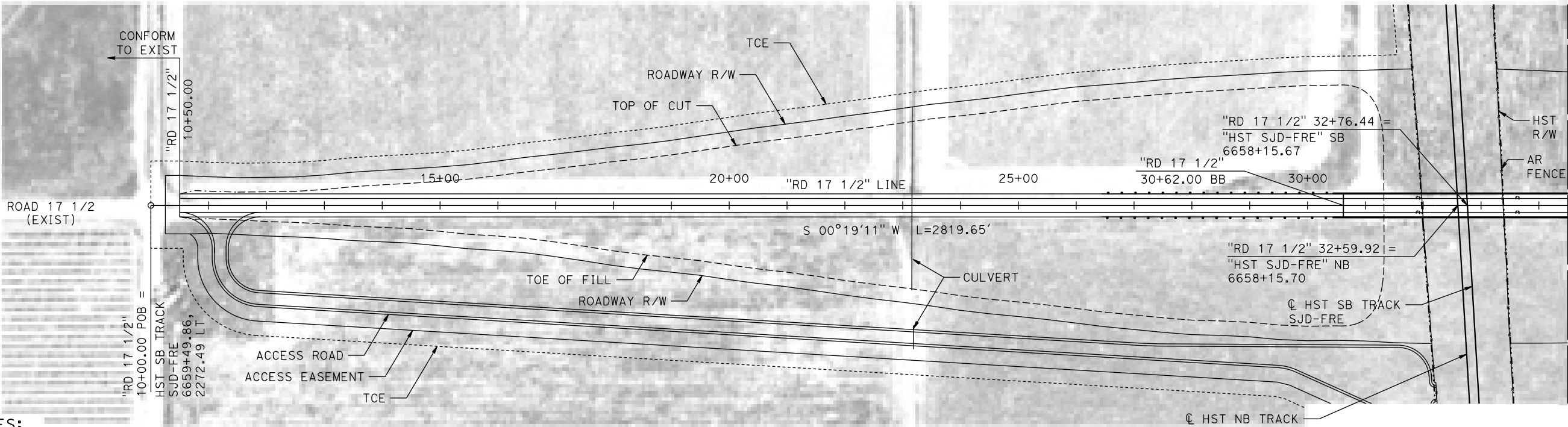




<div>DESIGNED BY <b>S. WELLS</b></div> <div>DRAWN BY <b>S. OLIVETO</b></div> <div>CHECKED BY <b>J. RAY</b></div> <div>IN CHARGE <b>C. LEMLEY</b></div> <div>DATE <b>09/09/2016</b></div>					<div><b>RECORD SET</b></div> <div><b>15% DESIGN SUBMITTAL</b></div> <div><b>NOT FOR CONSTRUCTION</b></div>		<div></div> <div></div>		<div><b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b></div> <div><b>MERCED TO FRESNO SECTION</b></div> <div>CENTRAL VALLEY WYE</div> <div>SR 152 (NORTH TO ROAD 13 WYE ALTERNATIVE)</div> <div>PLAN AND PROFILE</div> <div>ROAD 16 CONNECTOR REALIGNMENT</div>		<div>CONTRACT NO. <b>HSR08-05</b></div> <div>DRAWING NO. <b>CV-R1235-A</b></div> <div>SCALE <b>AS SHOWN</b></div> <div>SHEET NO.</div>	
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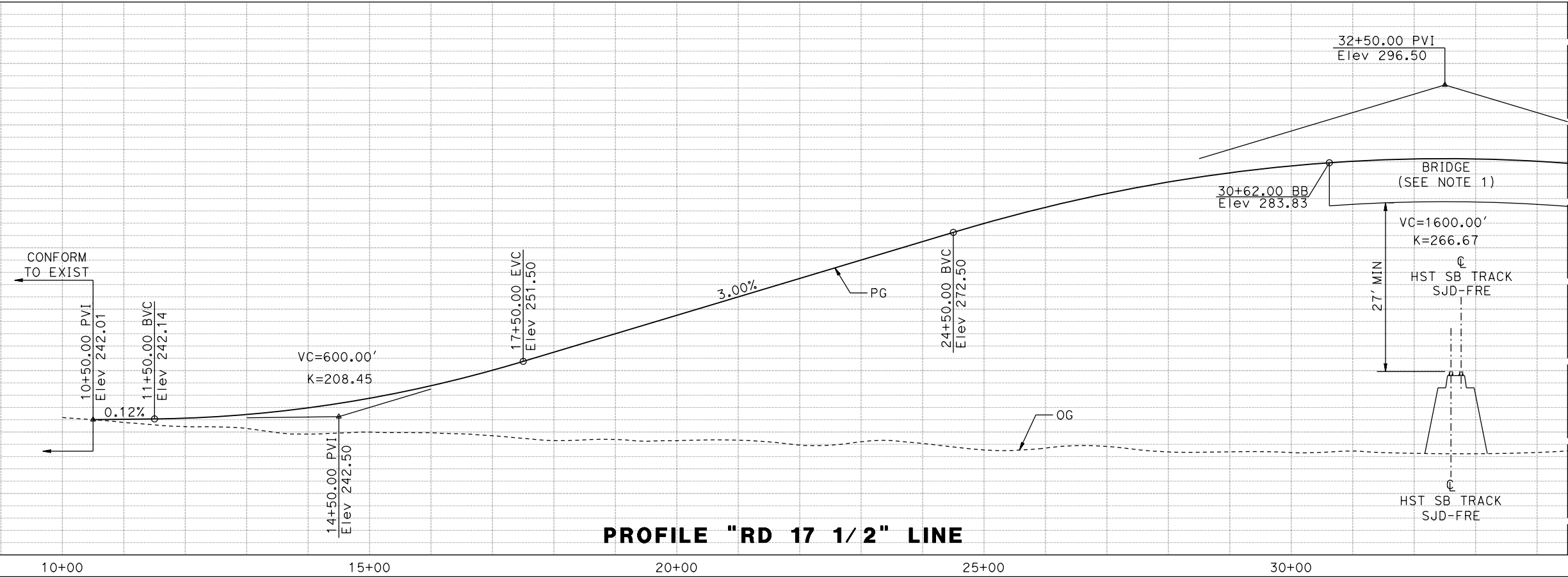
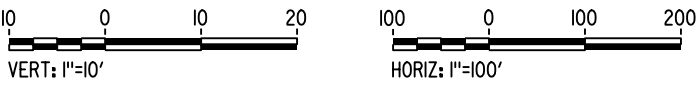
REV	DATE	BY	CHK	APP	DESCRIPTION

MADERA COUNTY



- NOTES:**
- FOR DETAILS OF ROAD 17 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1240-A.
  - ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.

PLAN



PROFILE "RD 17 1/2" LINE

MF-CV-R1240-A.dgn  
15-MAR-2016 7:31  
p0042226

STATION		10+00	15+00	20+00	25+00	30+00	35+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



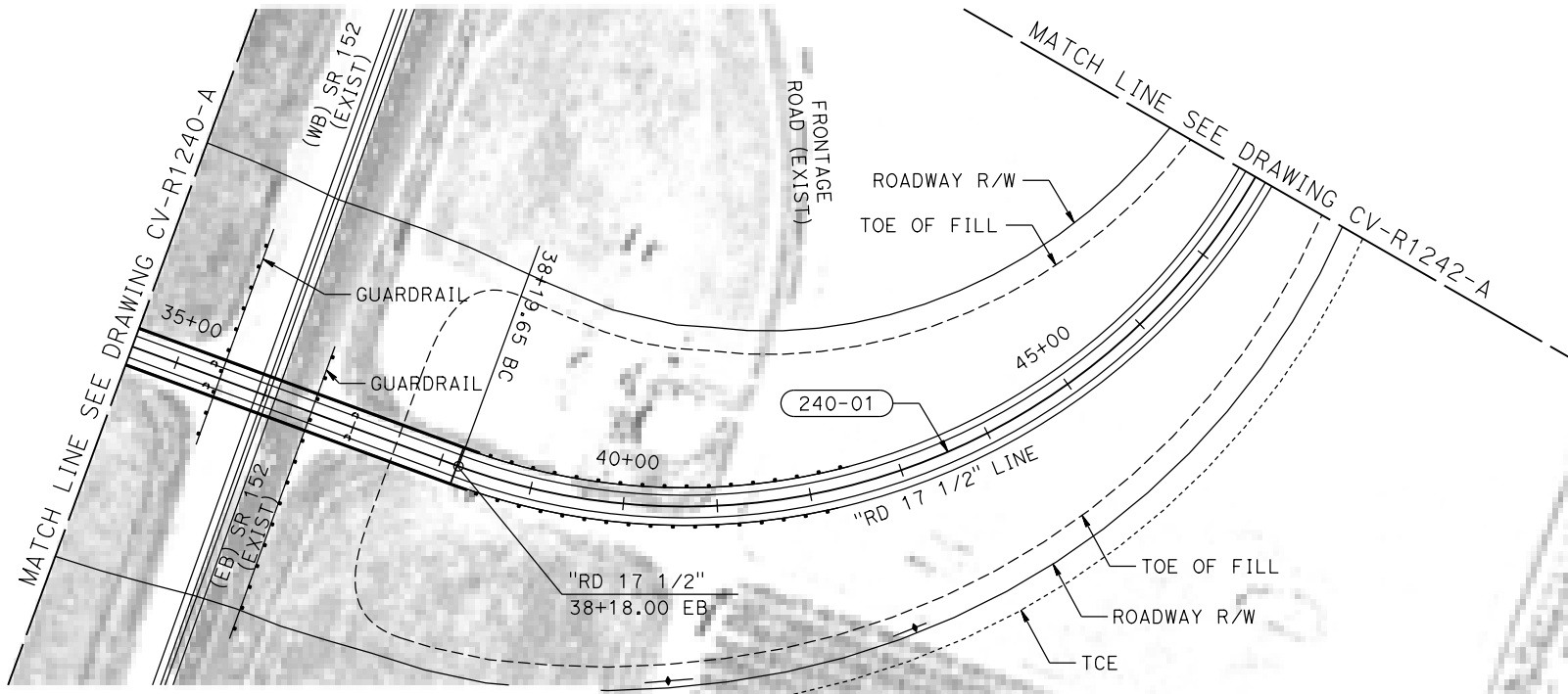
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 17 1/2 GRADE SEPARATION

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1240-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 14:05 MF-CV-R1241-A.dgn p005133A

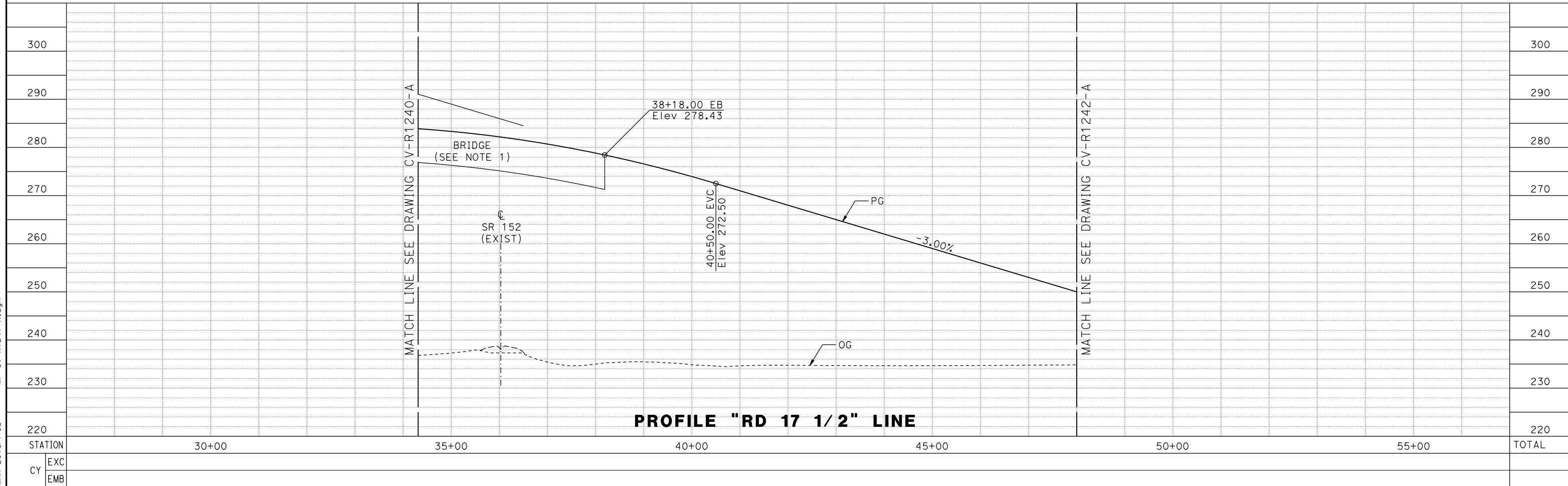
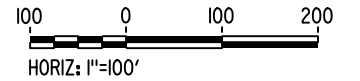
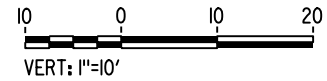
MADERA COUNTY



PLAN

NOTES:

1. FOR DETAILS OF ROAD 17 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1240-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
3. ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.



PROFILE "RD 17 1/2" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**A. GURA**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET  
15% DESIGN  
SUBMITTAL**

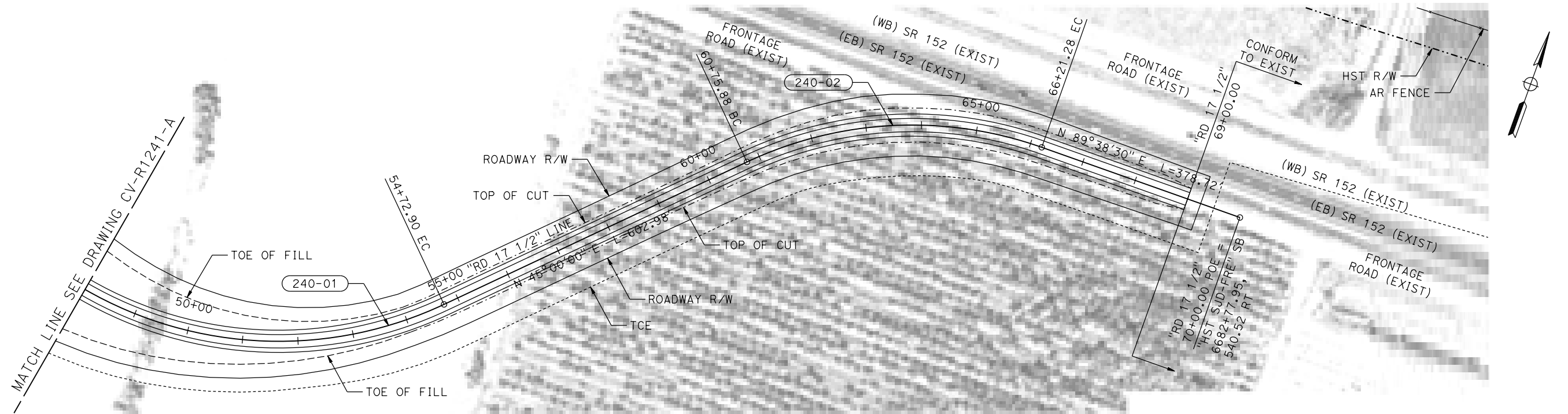
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 17 1/2 GRADE SEPARATION

CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-R1241-A**  
SCALE  
**AS SHOWN**  
SHEET NO.

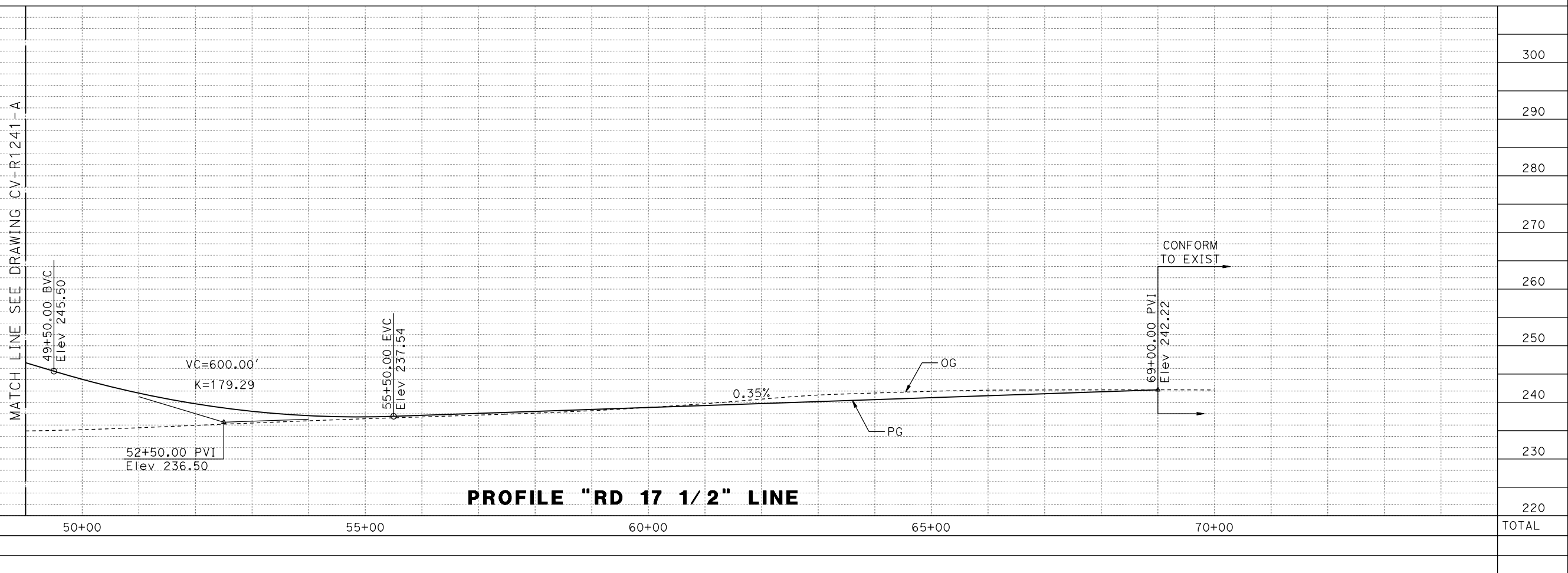
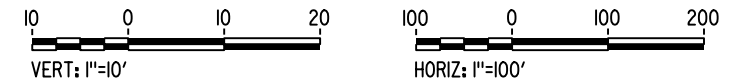
**MADERA COUNTY**



## PLAN

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
2. ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.



# PROFILE "RD 17 1/2" LINE

DESIGNED BY	A. GURA
DRAWN BY	A. GURA
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 17½ GRADE SEPARATION

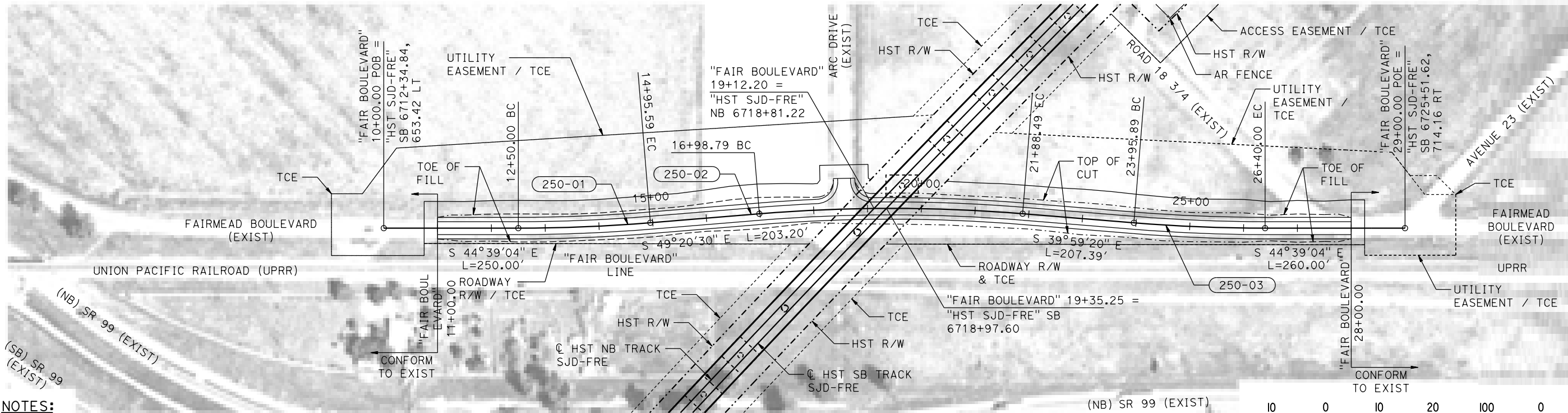
CONTRACT NO.  
HSR08-05

DRAWING NO.  
CV-R1242-A

SCALE  
AS SHOWN

SHEET NO.

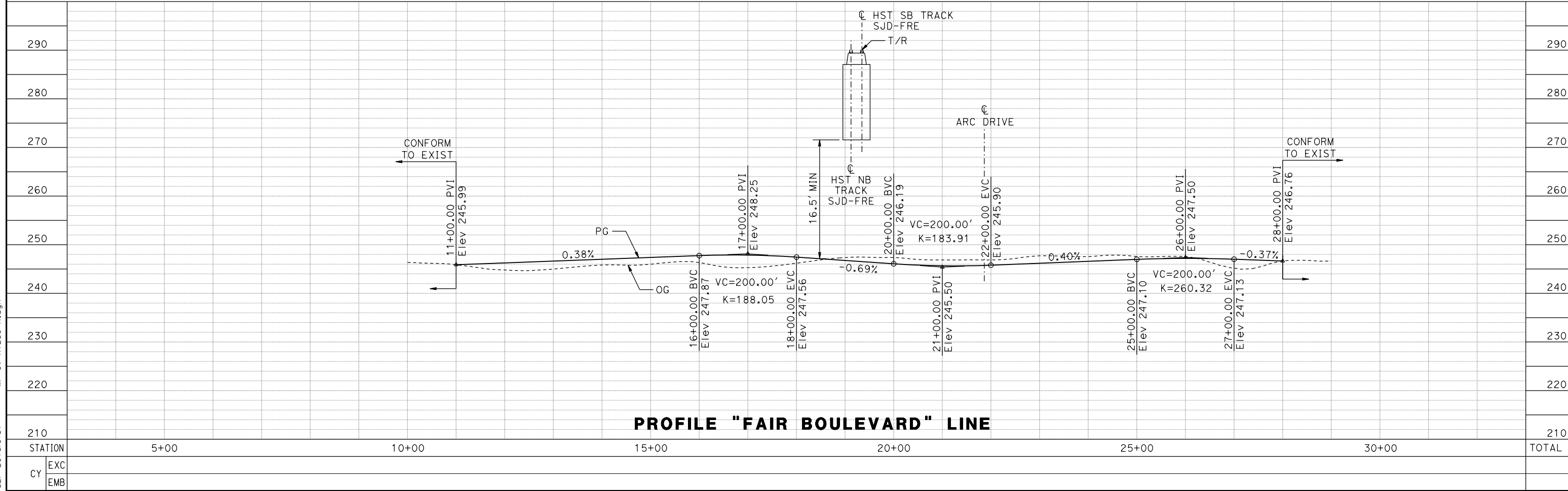
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
2. FAIRMEAD BOULEVARD REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.

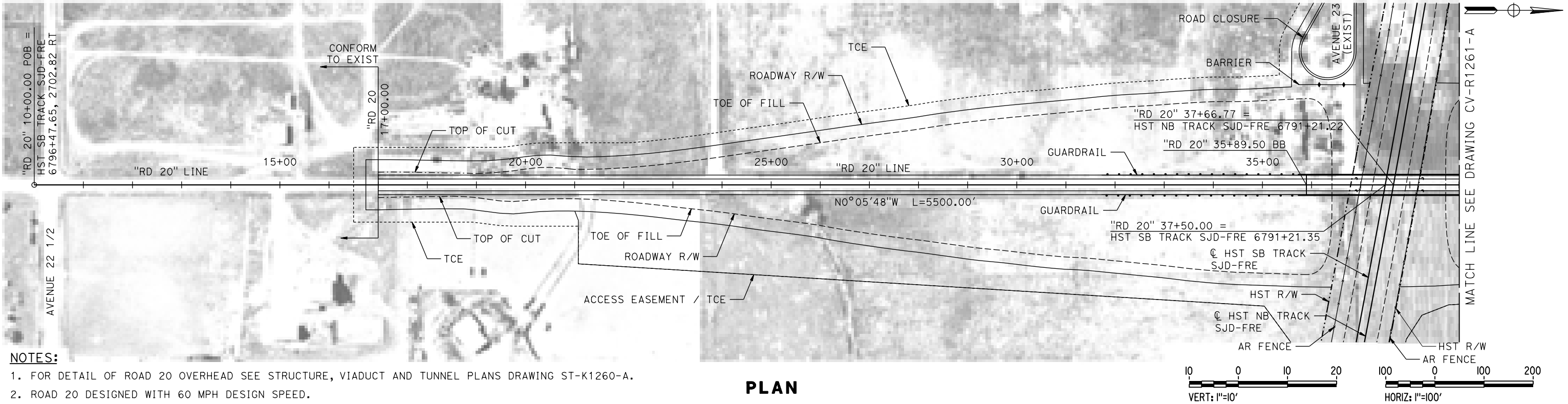
PLAN



PROFILE "FAIR BOULEVARD" LINE

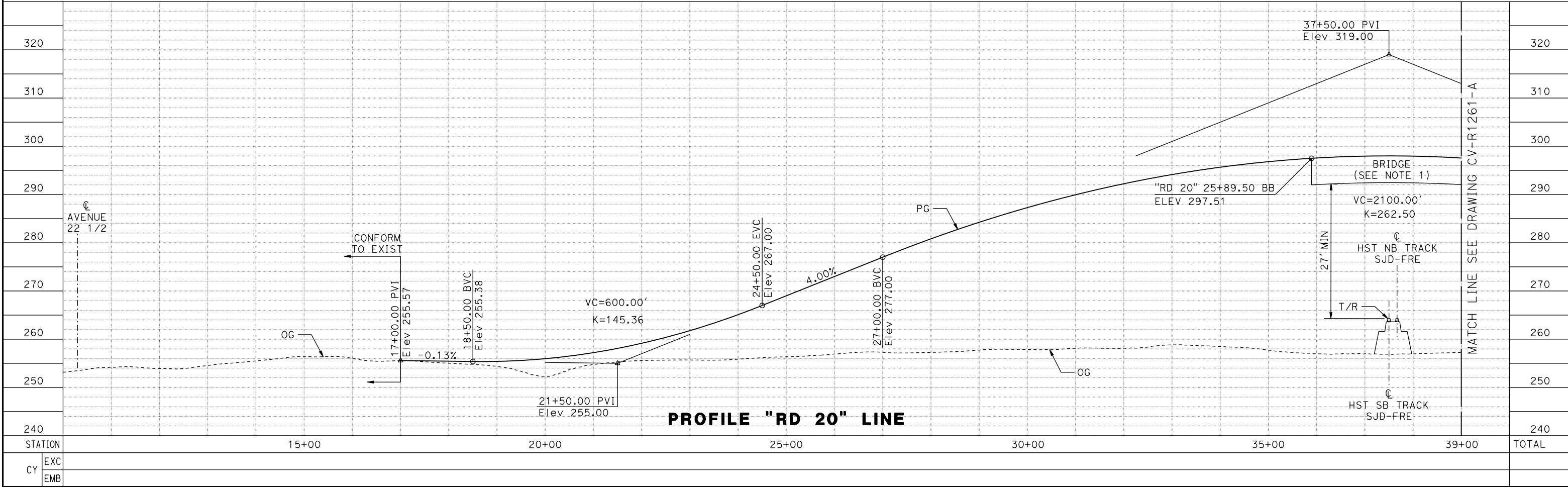
REV	DATE	BY	CHK	APP	DESCRIPTION	DESIGNED BY A. GURA	DRAWN BY A. GURA	CHECKED BY J. RAY	IN CHARGE C. LEMLEY	DATE 09/09/2016	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION	PARSONS	CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE FAIRMEAD BOULEVARD REALIGNMENT	CONTRACT NO. HSR08-05	DRAWING NO. CV-R1250-A	SCALE AS SHOWN	SHEET NO.
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MADERA COUNTY





- NOTES:
- FOR DETAIL OF ROAD 20 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1260-A.
  - ROAD 20 DESIGNED WITH 60 MPH DESIGN SPEED.

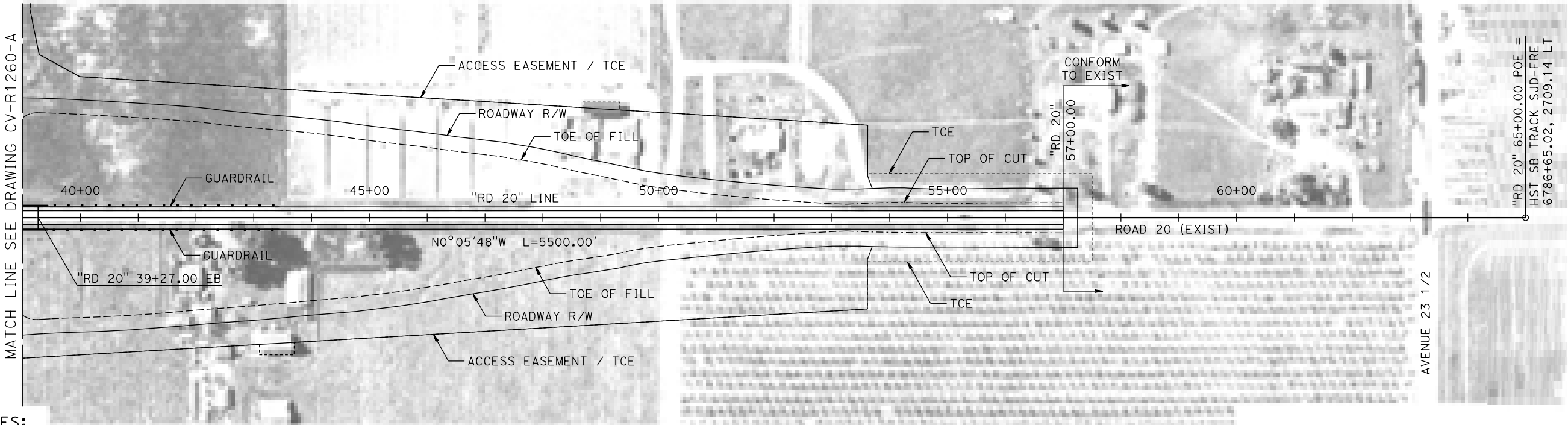
PLAN



PROFILE "RD 20" LINE

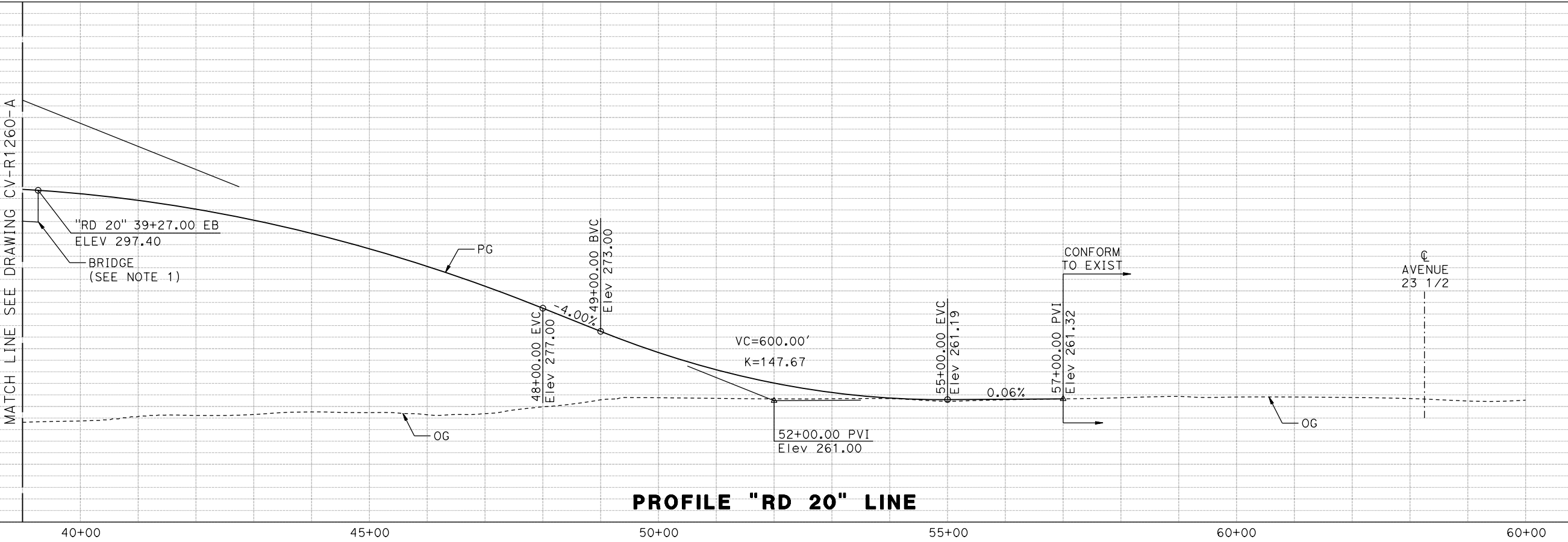
<div>MF-CV-R1260-A.dgn</div> <div>15-MAR-2016 7:32</div> <div>p0042226</div>						<table><tr><td>DESIGNED BY</td><td>A. GURA</td></tr><tr><td>DRAWN BY</td><td>A. GURA</td></tr><tr><td>CHECKED BY</td><td>J. RAY</td></tr><tr><td>IN CHARGE</td><td>C. LEMLEY</td></tr><tr><td>DATE</td><td>03/18/2016</td></tr></table>		DESIGNED BY	A. GURA	DRAWN BY	A. GURA	CHECKED BY	J. RAY	IN CHARGE	C. LEMLEY	DATE	03/18/2016	<table><tr><td>RECORD SET</td><td>15% DESIGN SUBMITTAL</td></tr><tr><td>NOT FOR CONSTRUCTION</td><td></td></tr></table>		RECORD SET	15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION		<div></div>		<table><tr><td colspan="2">CALIFORNIA HIGH-SPEED TRAIN PROJECT</td></tr><tr><td colspan="2">MERCED TO FRESNO SECTION</td></tr><tr><td colspan="2">CENTRAL VALLEY WYE</td></tr><tr><td colspan="2">SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</td></tr><tr><td colspan="2">PLAN AND PROFILE</td></tr><tr><td colspan="2">ROAD 20 GRADE SEPARATION</td></tr></table>				CALIFORNIA HIGH-SPEED TRAIN PROJECT		MERCED TO FRESNO SECTION		CENTRAL VALLEY WYE		SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE		PLAN AND PROFILE		ROAD 20 GRADE SEPARATION		<table><tr><td>CONTRACT NO.</td><td>HSR08-05</td></tr><tr><td>DRAWING NO.</td><td>CV-R1260-A</td></tr><tr><td>SCALE</td><td>AS SHOWN</td></tr><tr><td>SHEET NO.</td><td></td></tr></table>		CONTRACT NO.	HSR08-05	DRAWING NO.	CV-R1260-A	SCALE	AS SHOWN	SHEET NO.	
DESIGNED BY	A. GURA																																																		
DRAWN BY	A. GURA																																																		
CHECKED BY	J. RAY																																																		
IN CHARGE	C. LEMLEY																																																		
DATE	03/18/2016																																																		
RECORD SET	15% DESIGN SUBMITTAL																																																		
NOT FOR CONSTRUCTION																																																			
CALIFORNIA HIGH-SPEED TRAIN PROJECT																																																			
MERCED TO FRESNO SECTION																																																			
CENTRAL VALLEY WYE																																																			
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE																																																			
PLAN AND PROFILE																																																			
ROAD 20 GRADE SEPARATION																																																			
CONTRACT NO.	HSR08-05																																																		
DRAWING NO.	CV-R1260-A																																																		
SCALE	AS SHOWN																																																		
SHEET NO.																																																			
<table><tr><th>REV</th><th>DATE</th><th>BY</th><th>CHK</th><th>APP</th><th>DESCRIPTION</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						REV	DATE	BY	CHK	APP	DESCRIPTION																																								
REV	DATE	BY	CHK	APP	DESCRIPTION																																														

MADERA COUNTY



- NOTES:
- FOR ROAD 20 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1260-A.
  - ROAD 20 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 20" LINE

MF-CV-R1261-A.dgn  
15-MAR-2016 17:33  
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

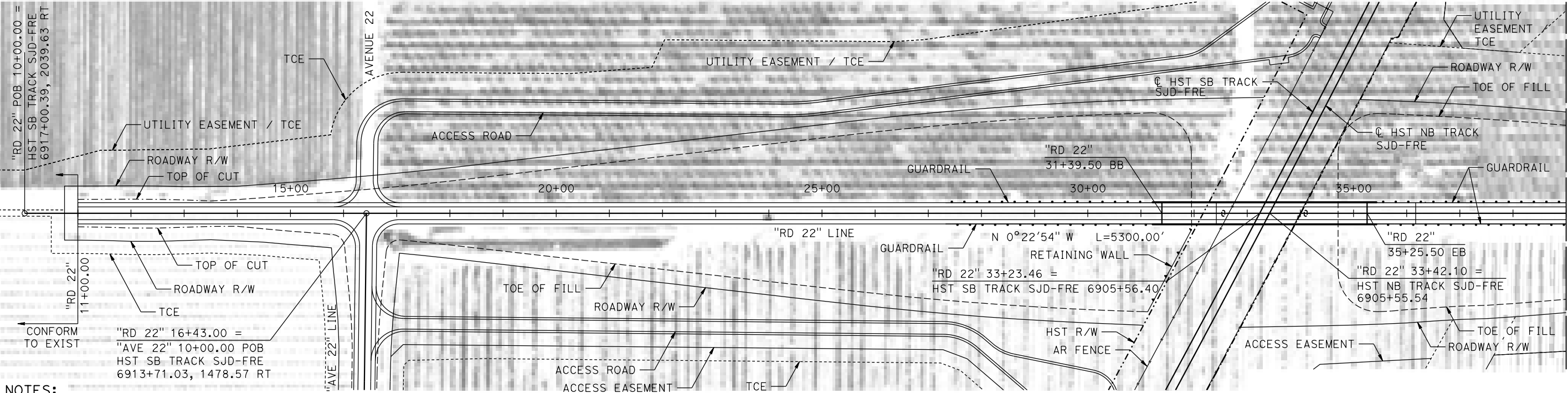


CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 20 GRADE SEPARATION

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1261-A
SCALE AS SHOWN
SHEET NO.



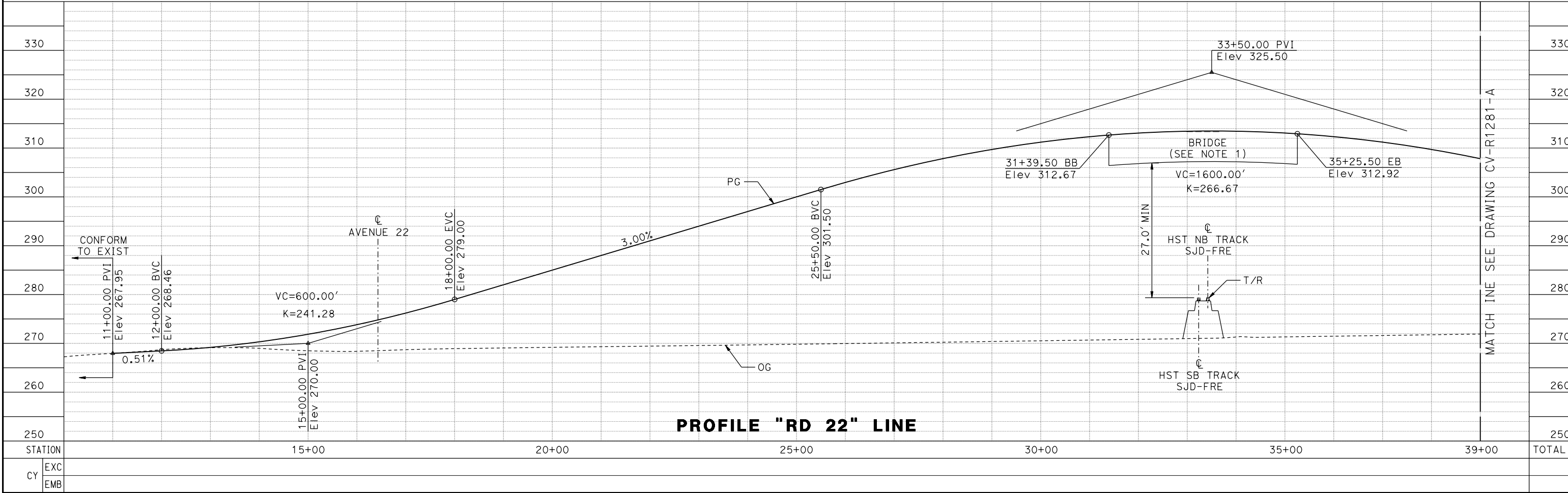
MADERA COUNTY



NOTES:

- 1. FOR DETAIL OF ROAD 22 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1280-A.
- 2. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



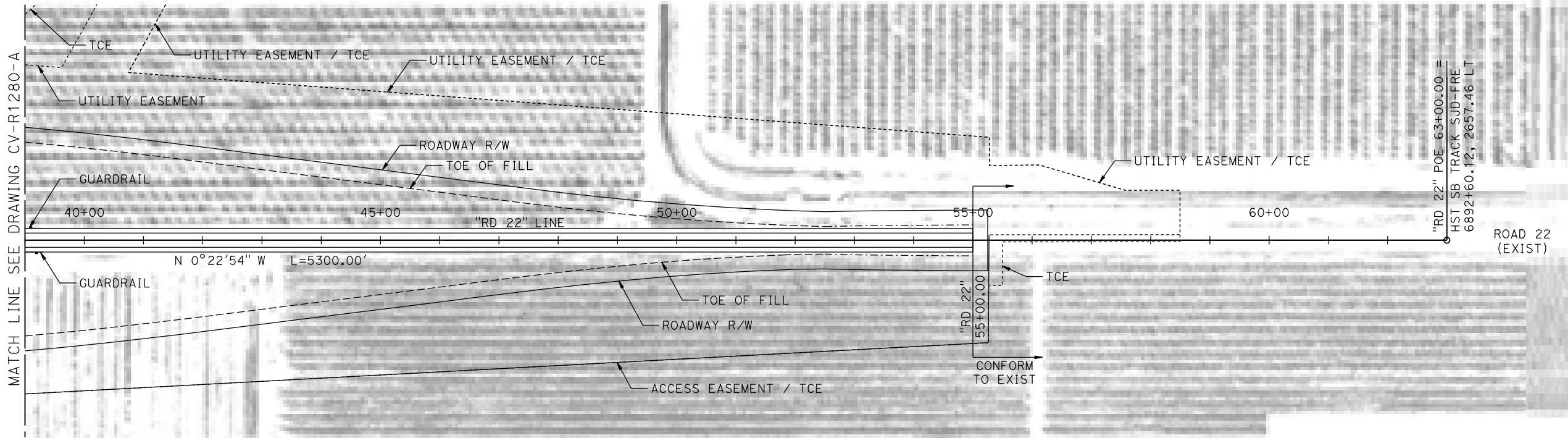
PROFILE "RD 22" LINE

<div>DESIGNED BY A. GURA DRAWN BY M. TACTAY CHECKED BY J. RAY IN CHARGE C. LEMLEY DATE 03/18/2016</div>						<div>RECORD SET 15% DESIGN SUBMITTAL  NOT FOR CONSTRUCTION</div>		<div>PARSONS</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 22 GRADE SEPARATION</div>				<div>CONTRACT NO. HSR08-05 DRAWING NO. CV-R1280-A SCALE AS SHOWN SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION												

16-MAR-2016 15:10 MF-CV-R1281-A.dgn

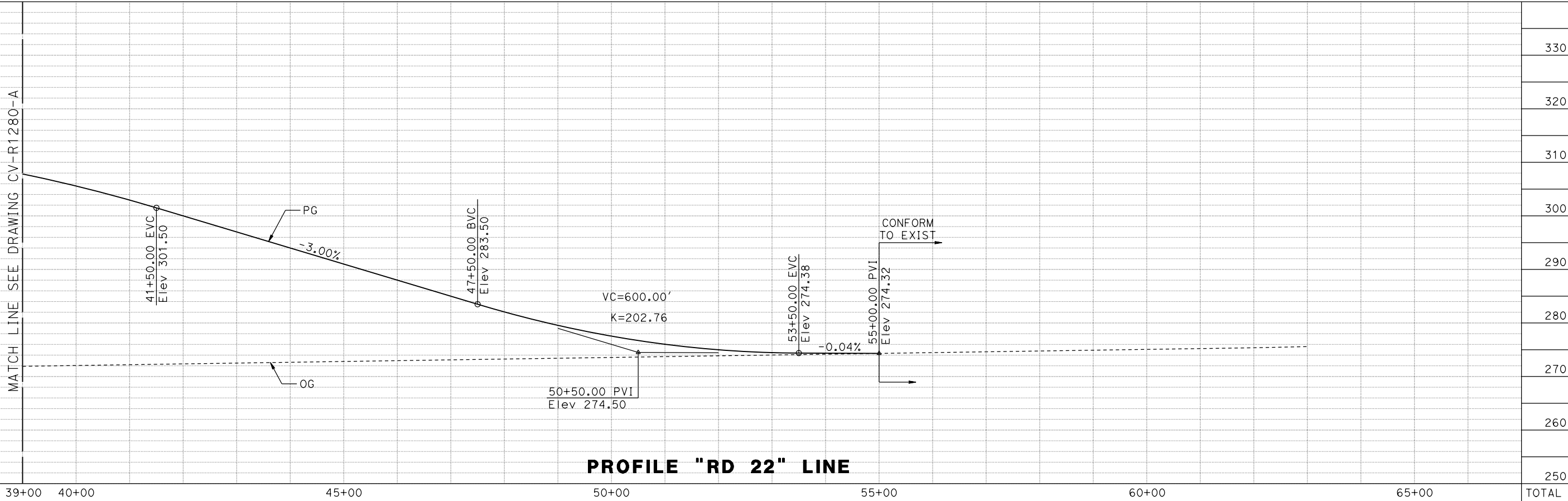
0005133A

MADERA COUNTY



NOTES:  
1. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 22" LINE

STATION		39+00	40+00	45+00	50+00	55+00	60+00	65+00	TOTAL
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

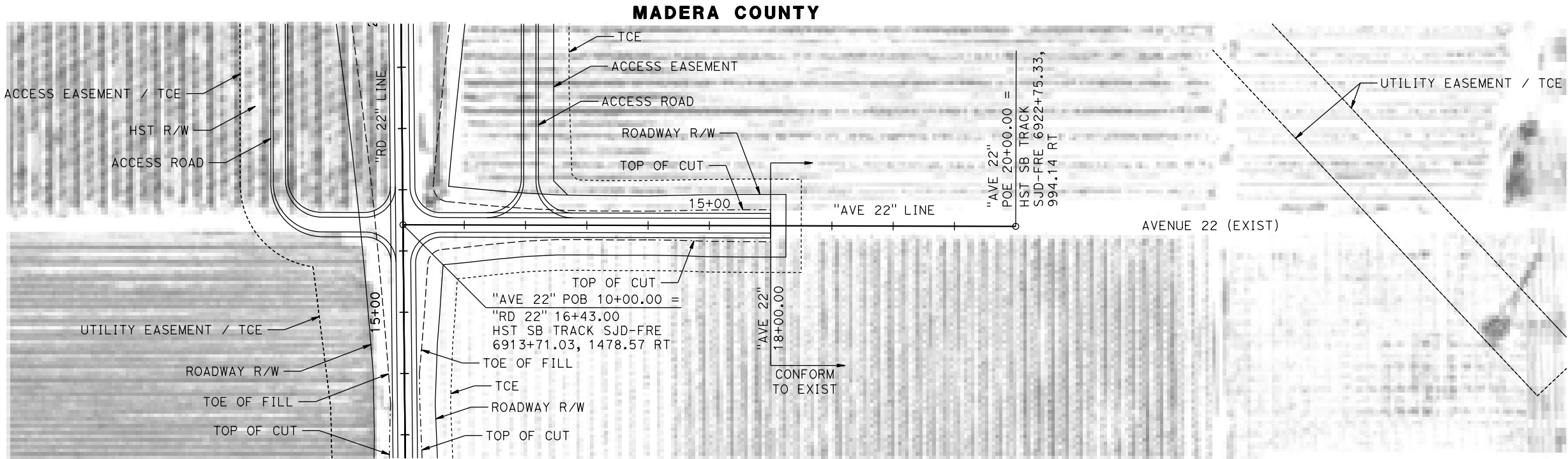
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



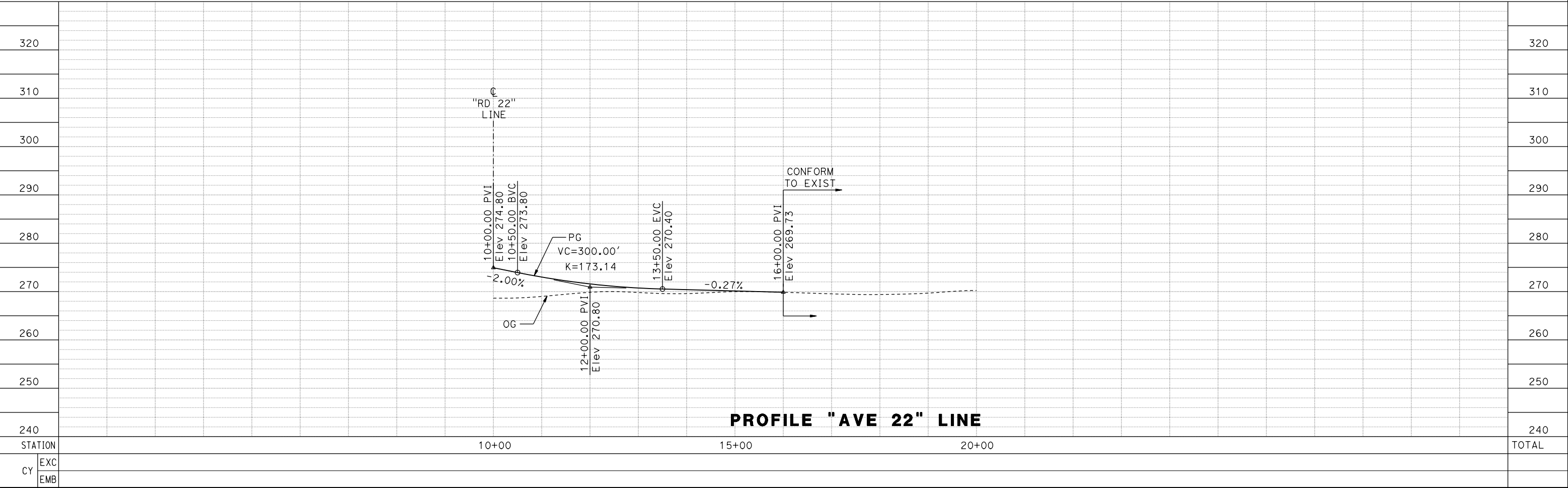
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 22 GRADE SEPARATION

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1281-A  
SCALE  
AS SHOWN  
SHEET NO.

p0042226 15-MAR-2016 17:35 MF-CV-R1290-A.dgn



**PLAN**



**PROFILE "AVE 22" LINE**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**J. RAY**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
AVENUE 22 REALIGNMENT

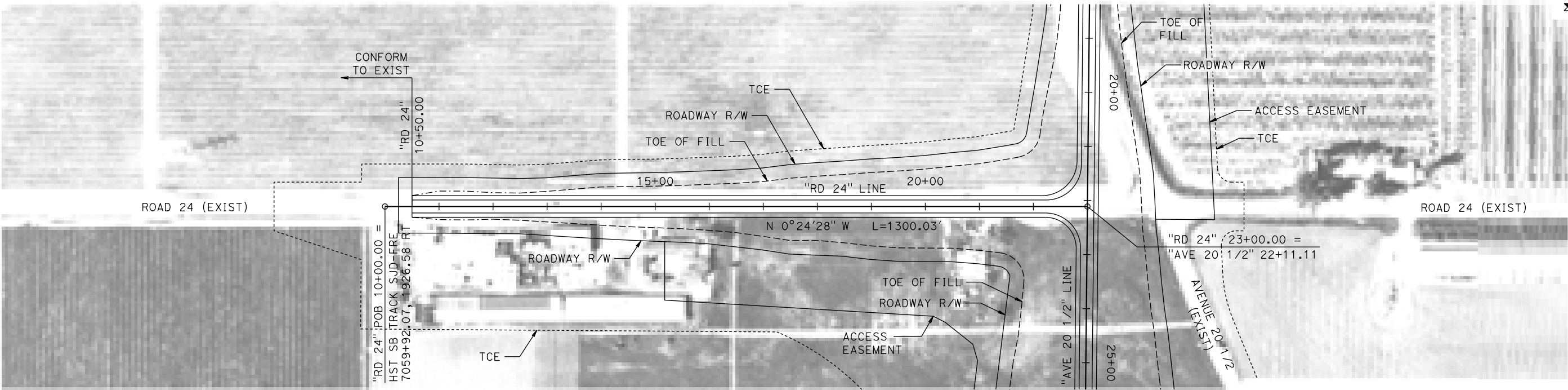
CONTRACT NO.  
HSR08-05

DRAWING NO.  
CV-R1290-A

SCALE  
AS SHOWN

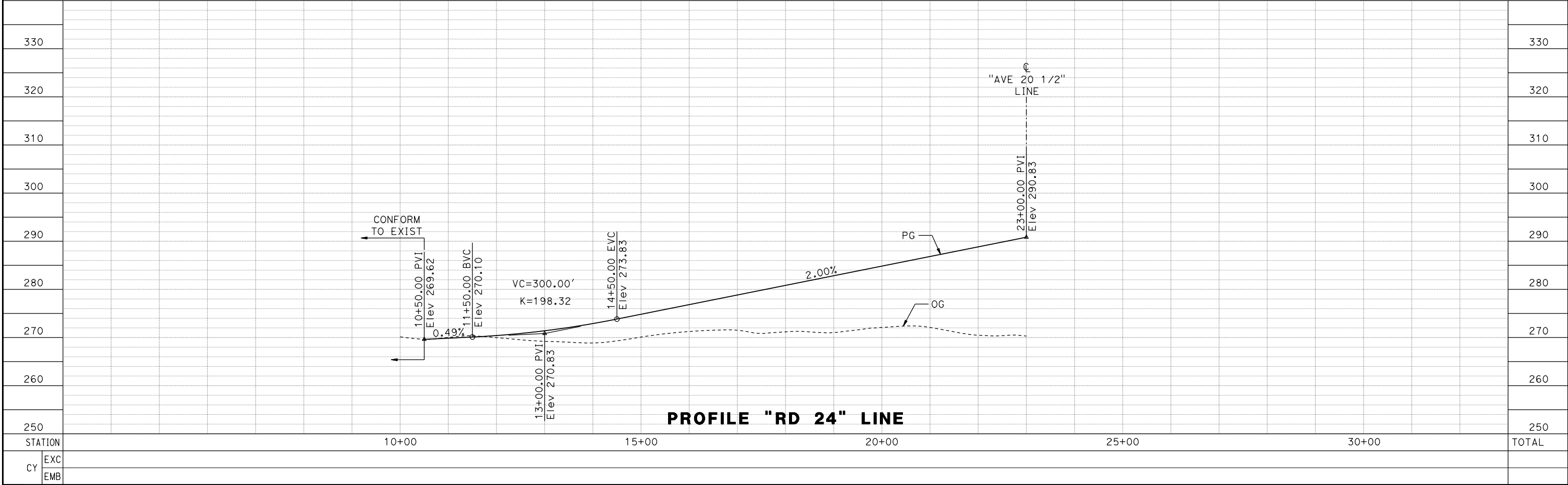
SHEET NO.

MADERA COUNTY



NOTES:  
1. ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.

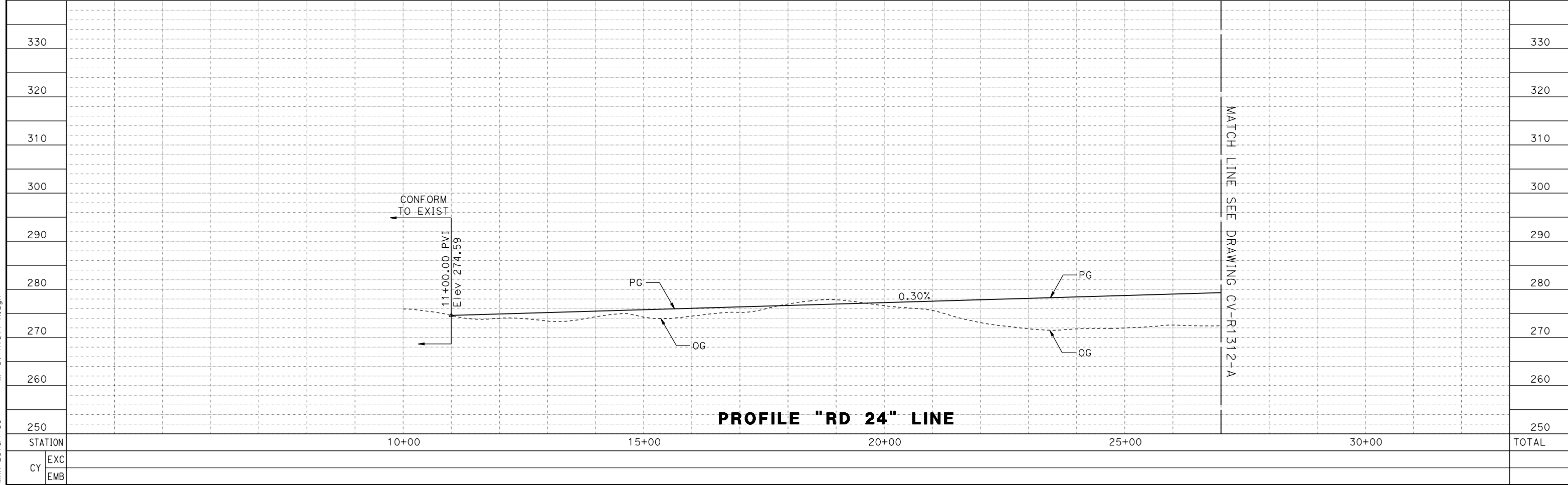
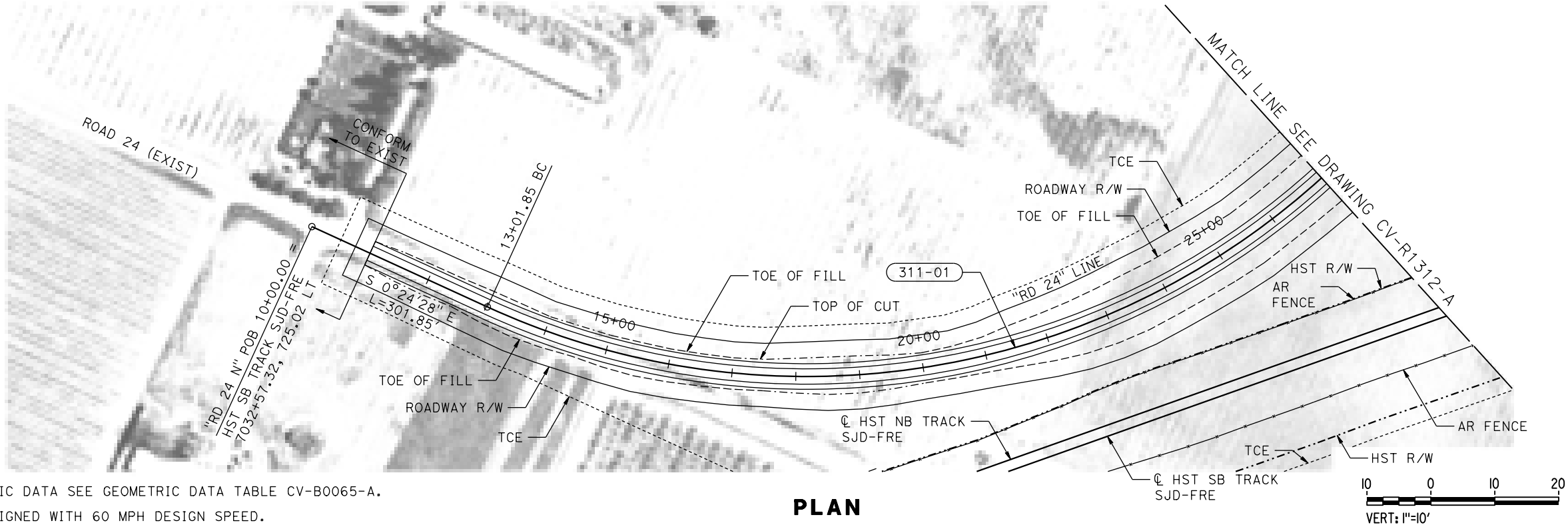
PLAN



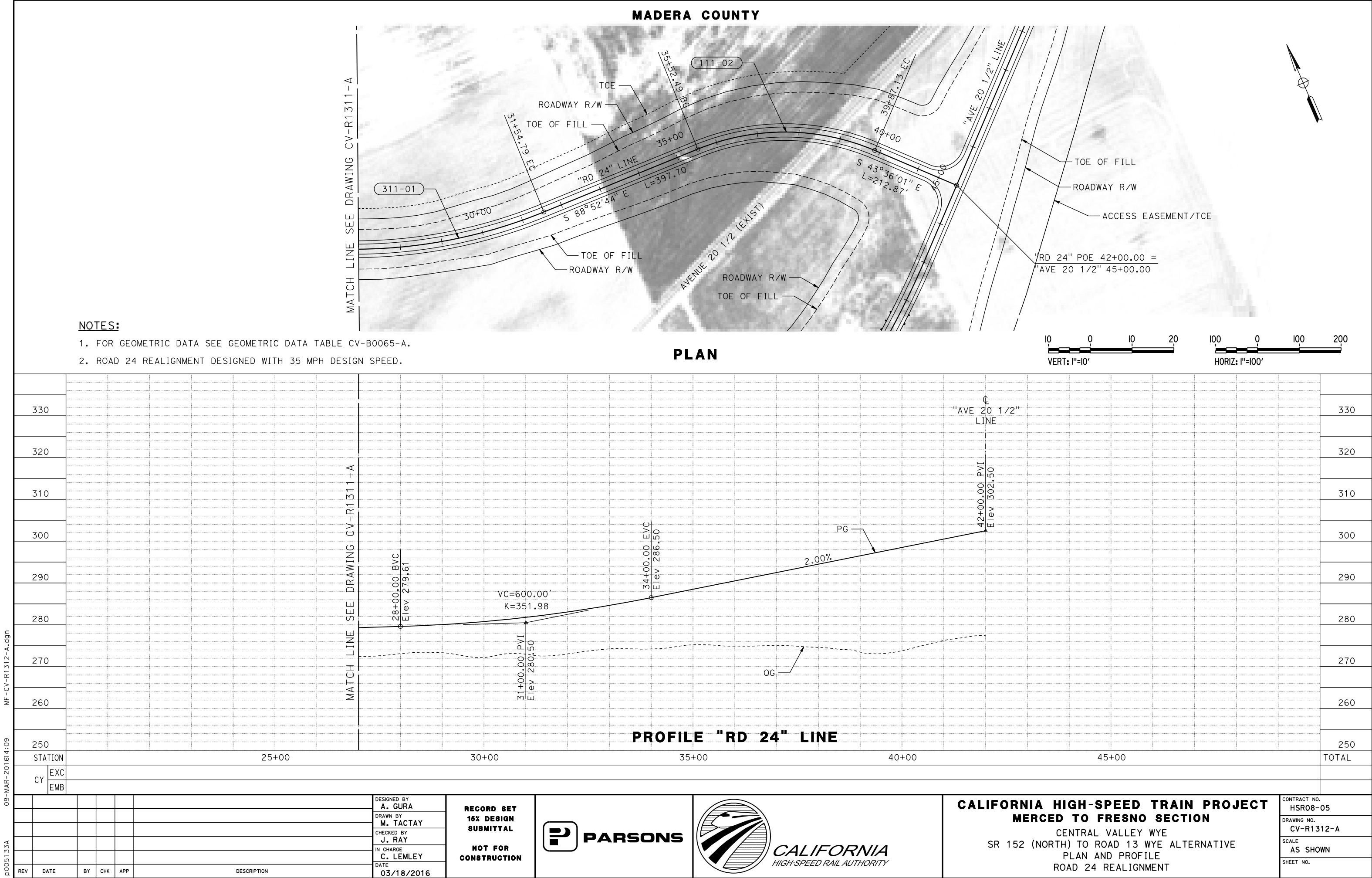
PROFILE "RD 24" LINE

DESIGNED BY A. GURA	<b>RECORD SET 15% DESIGN SUBMITTAL</b>	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 24 REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. CV-R1310-A
CHECKED BY J. RAY						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

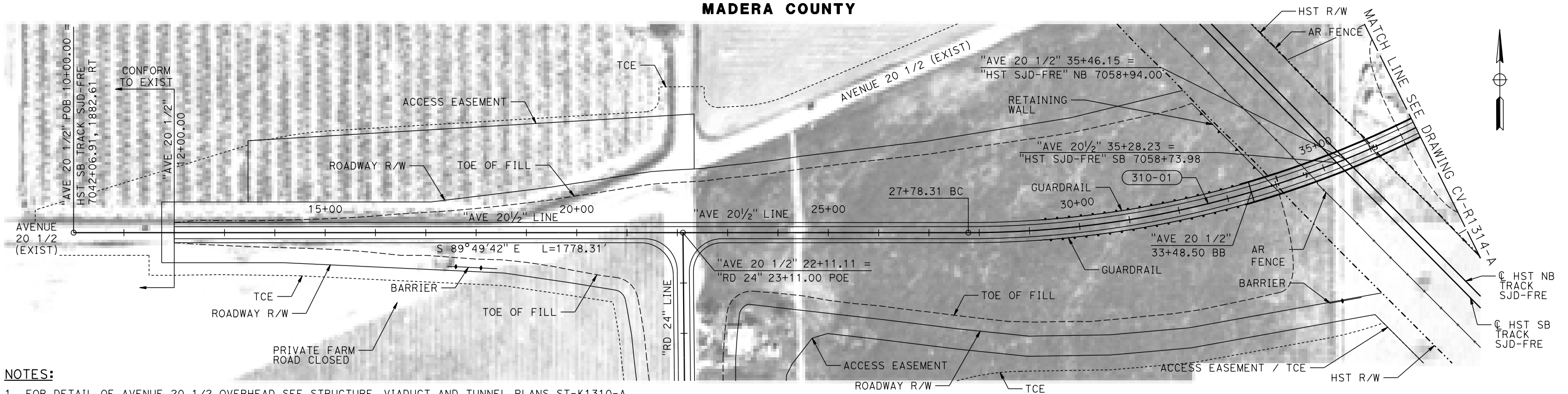
MADERA COUNTY



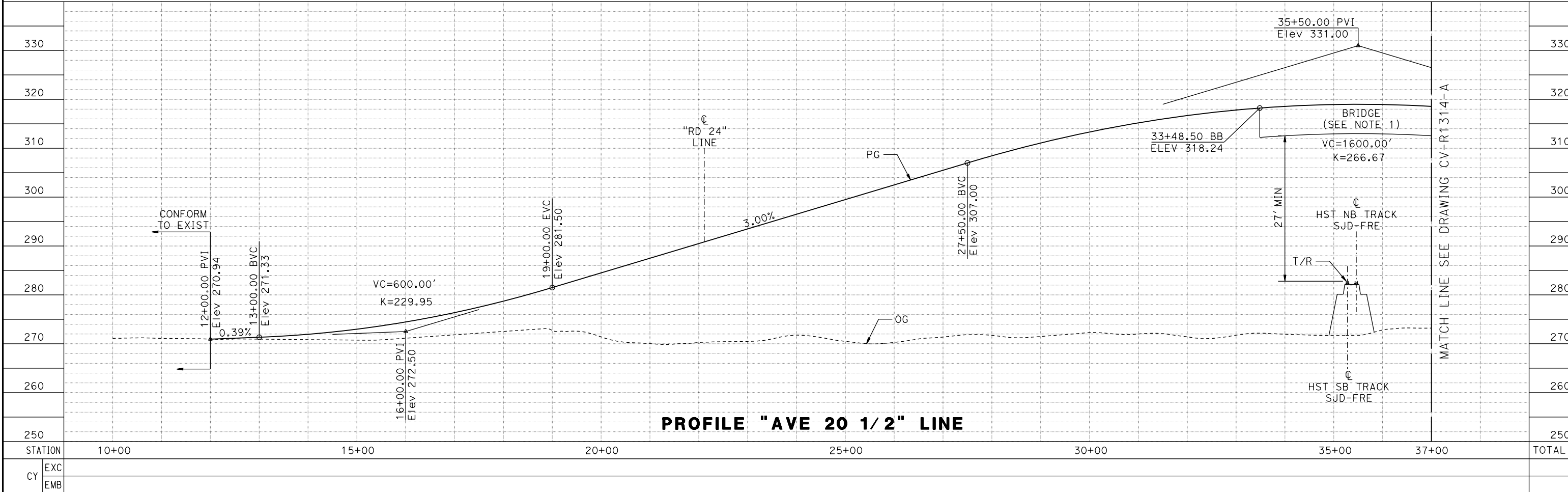
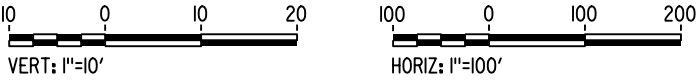
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MADERA COUNTY



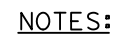
- NOTES:
1. FOR DETAIL OF AVENUE 20 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS ST-K1310-A.
  2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
  3. AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.



DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL	<b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE AVENUE 20 1/2 GRADE SEPARATION	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. CV-R1313-A
CHECKED BY J. RAY						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

REV	DATE	BY	CHK	APP	DESCRIPTION





1. FOR DETAIL OF AVENUE 20 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1310-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
3. AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

VERT: 1"=10'

HORIZ: 1"=100'



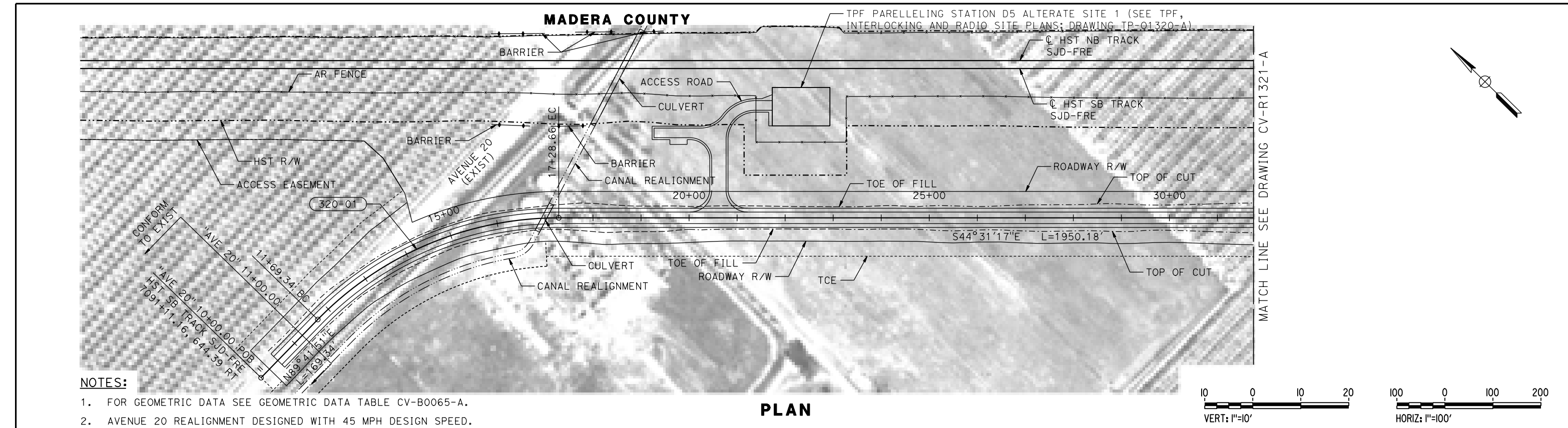
DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**NOT FOR  
CONSTRUCTION**



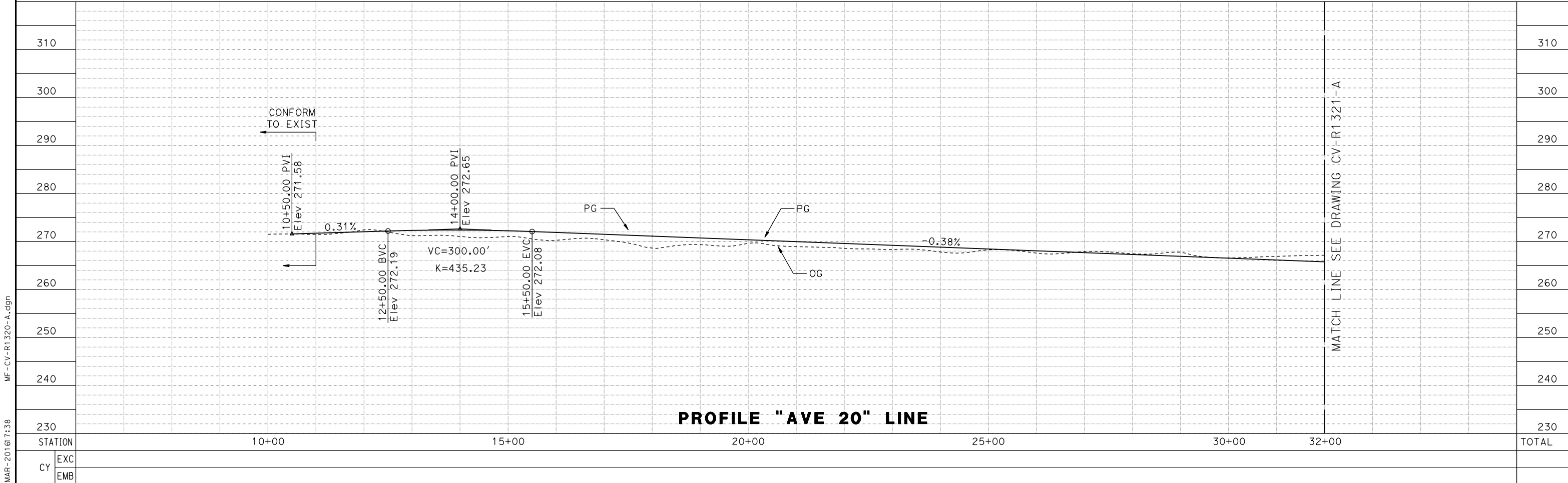
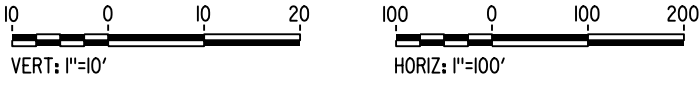
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
AVENUE 20½ GRADE SEPARATION

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-R1314-A
SCALE	AS SHOWN
SHEET NO.	



- NOTES:
- 1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
  - 2. AVENUE 20 REALIGNMENT DESIGNED WITH 45 MPH DESIGN SPEED.

PLAN

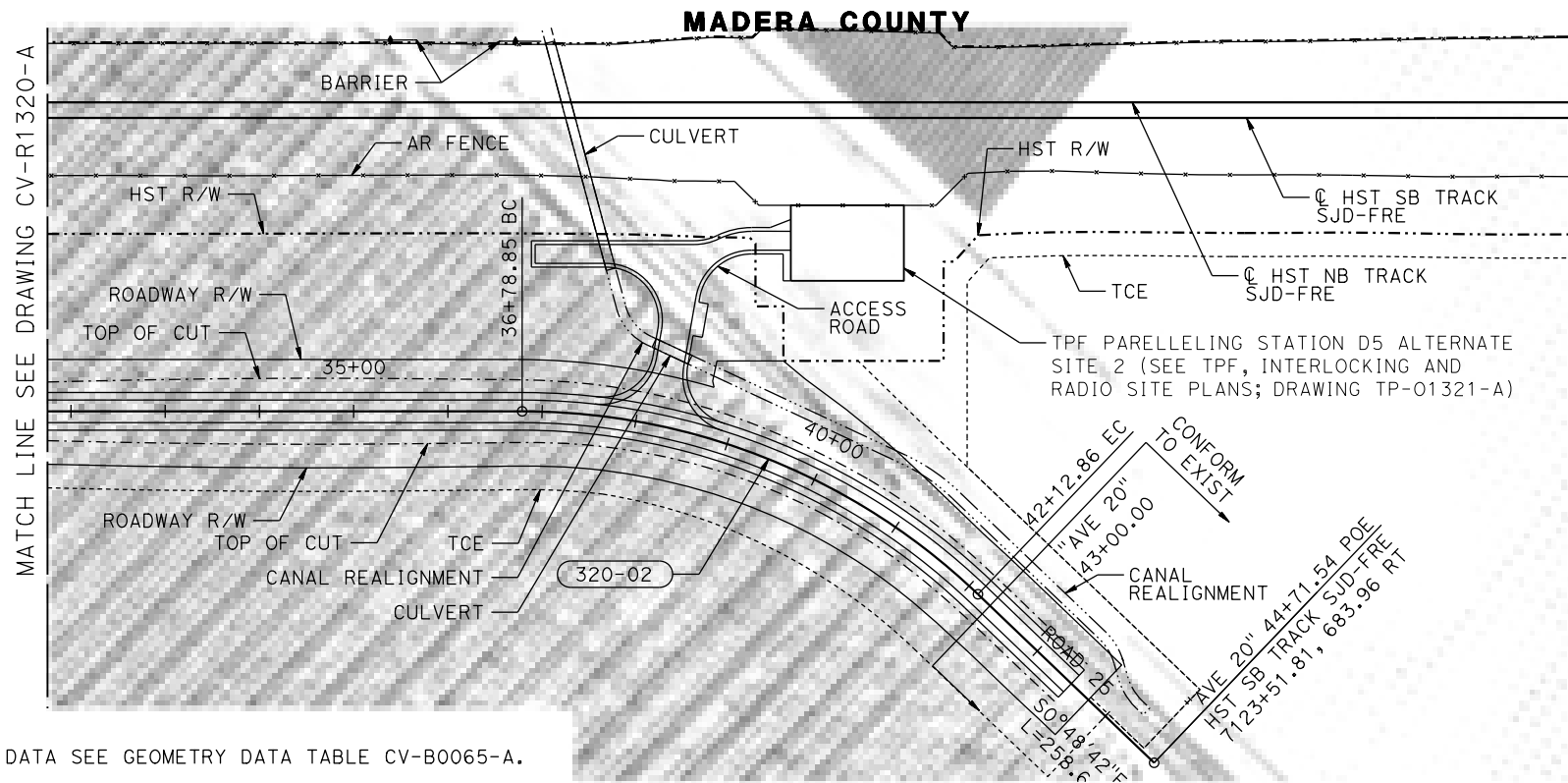


PROFILE "AVE 20" LINE

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15-MAR-2016 17:38  
p0042226

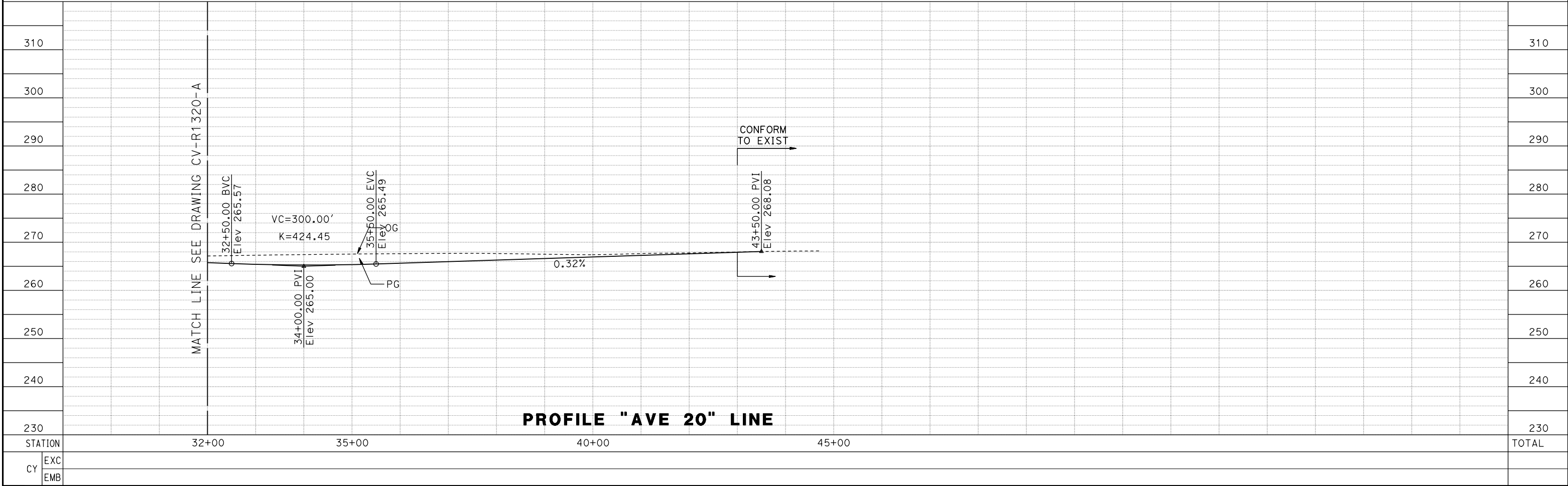
DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE AVENUE 20 REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. CV-R1320-A
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION

p0042226 15-MAR-2016 17:39 MF-CV-R1321-A.dgn



- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRY DATA TABLE CV-B0065-A.
  - AVENUE 20 DESIGNED WITH 45 MPH DESIGN SPEED.

**PLAN**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>	<b>RECORD SET 15% DESIGN SUBMITTAL</b>
DRAWN BY <b>M. TACTAY</b>	
CHECKED BY <b>J. RAY</b>	
IN CHARGE <b>C. LEMLEY</b>	
DATE <b>03/18/2016</b>	

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

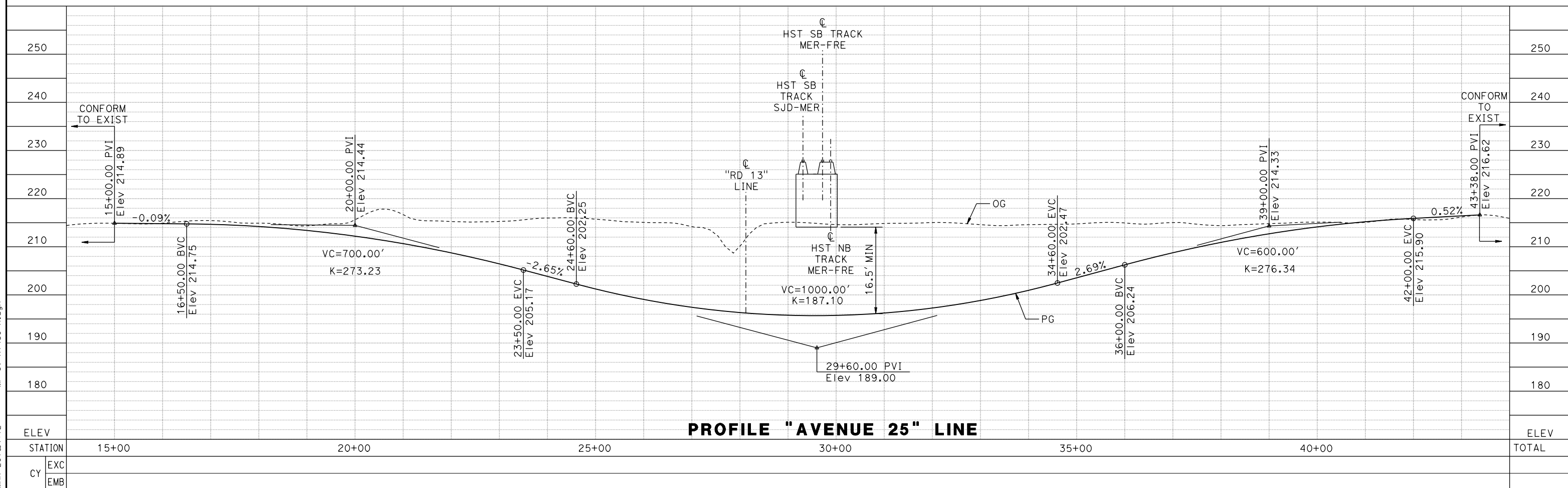
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
AVENUE 20 REALIGNMENT



CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-R1321-A</b>
SCALE <b>AS SHOWN</b>
SHEET NO.

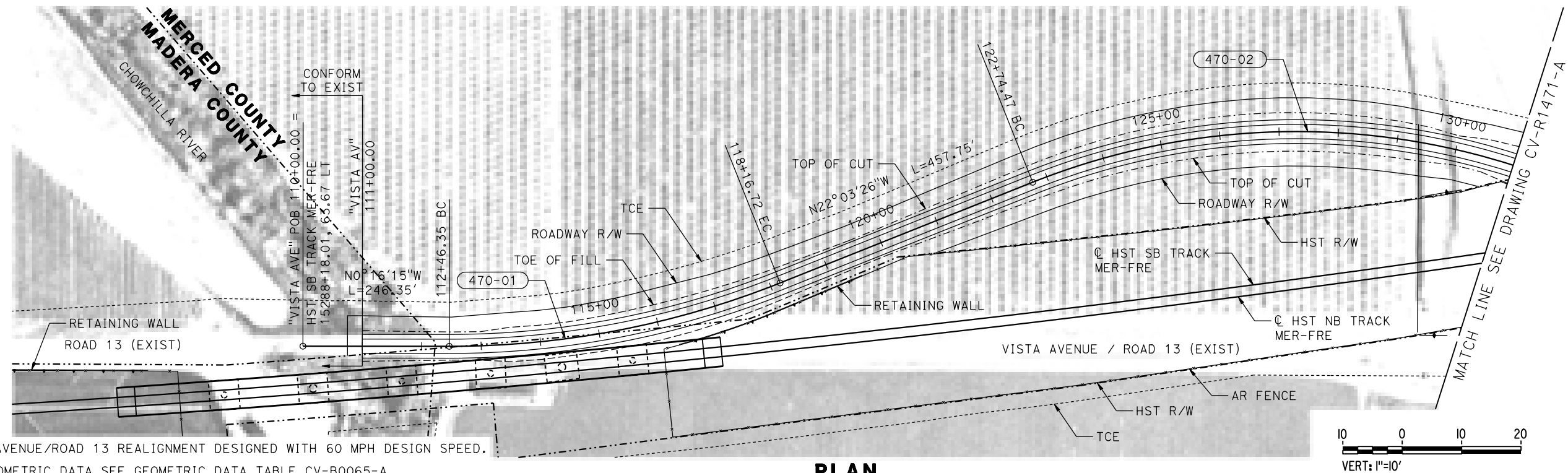
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1. AVENUE 25 DESIGNED WITH 60 MPH DESIGN SPEED.

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VERT: 1"=10'

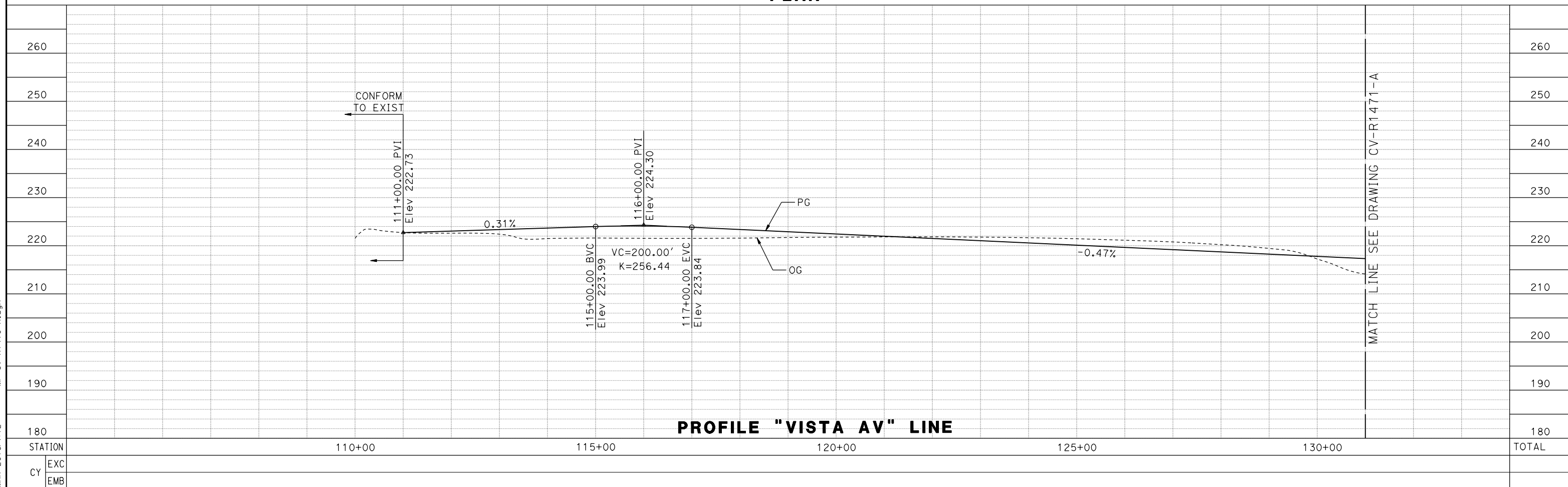




						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE AVENUE 25 GRADE SEPARATION	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-R1450-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

**MERCED COUNTY**

1. VISTA AVENUE/ROAD 13 REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.

## PLAN

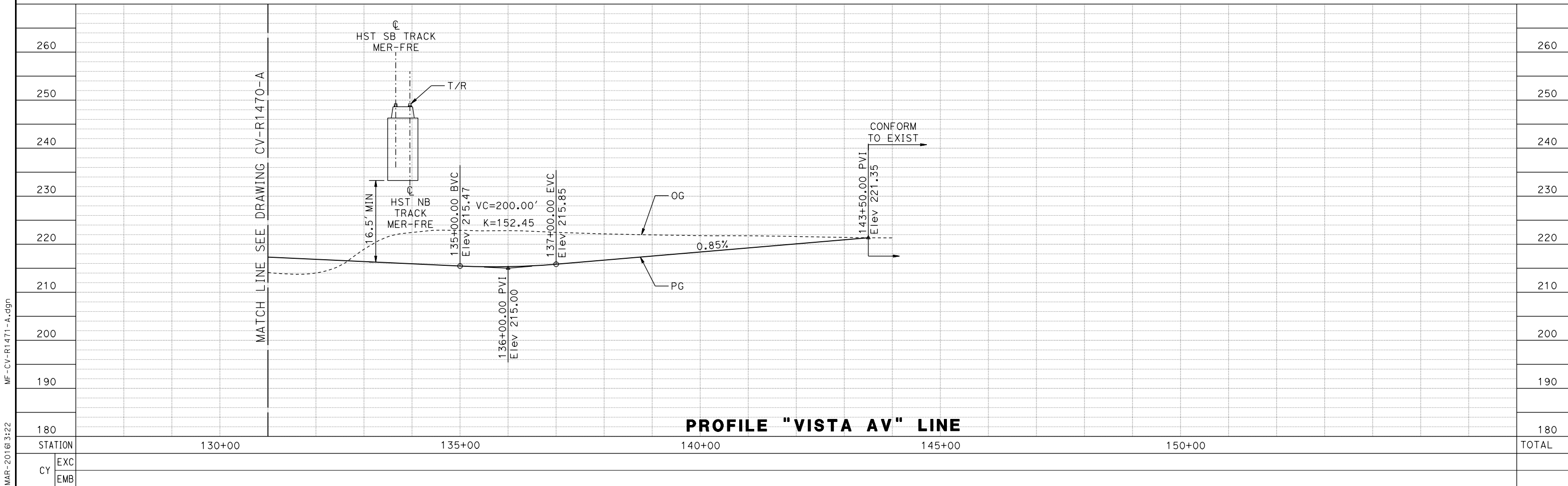
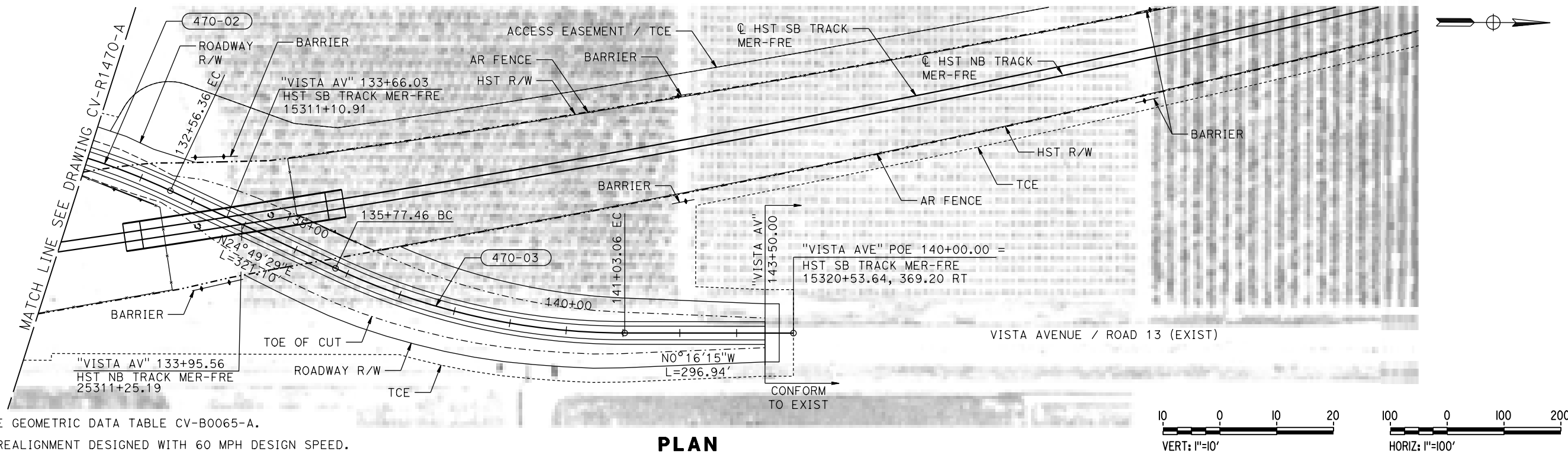


						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE VISTA AVENUE/ROAD 13 REALIGNMENT	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. CV-R1470-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

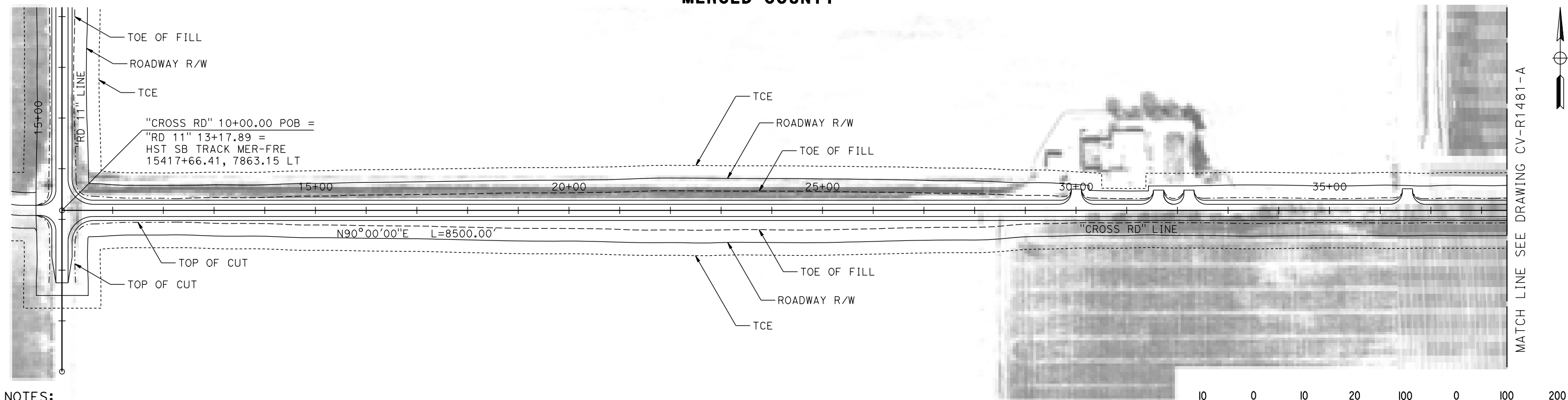
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p0042226

MERCED COUNTY



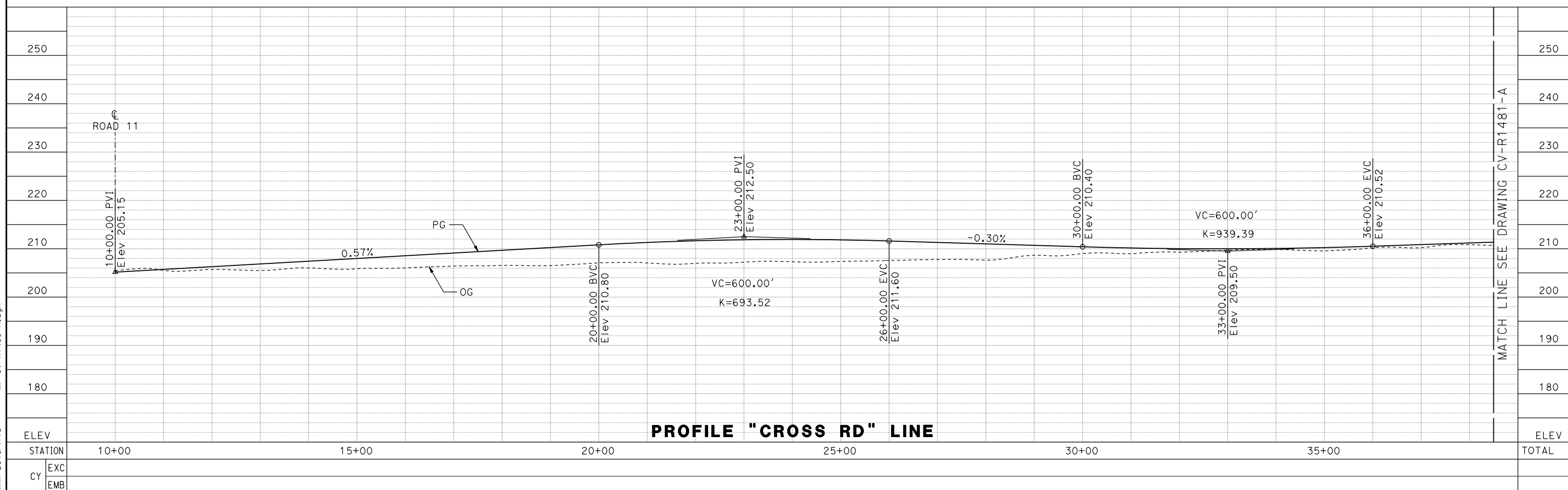
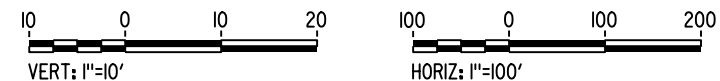
DESIGNED BY A. GURA	<b>RECORD SET</b> 15% DESIGN SUBMITTAL  <b>NOT FOR</b> <b>CONSTRUCTION</b>	<b>PARSONS</b>	<b>CALIFORNIA</b> HIGH-SPEED RAIL AUTHORITY	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE VISTA AVENUE/ROAD 13 REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. CV-R1471-A
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					


**MERCED COUNTY**

NOTES:

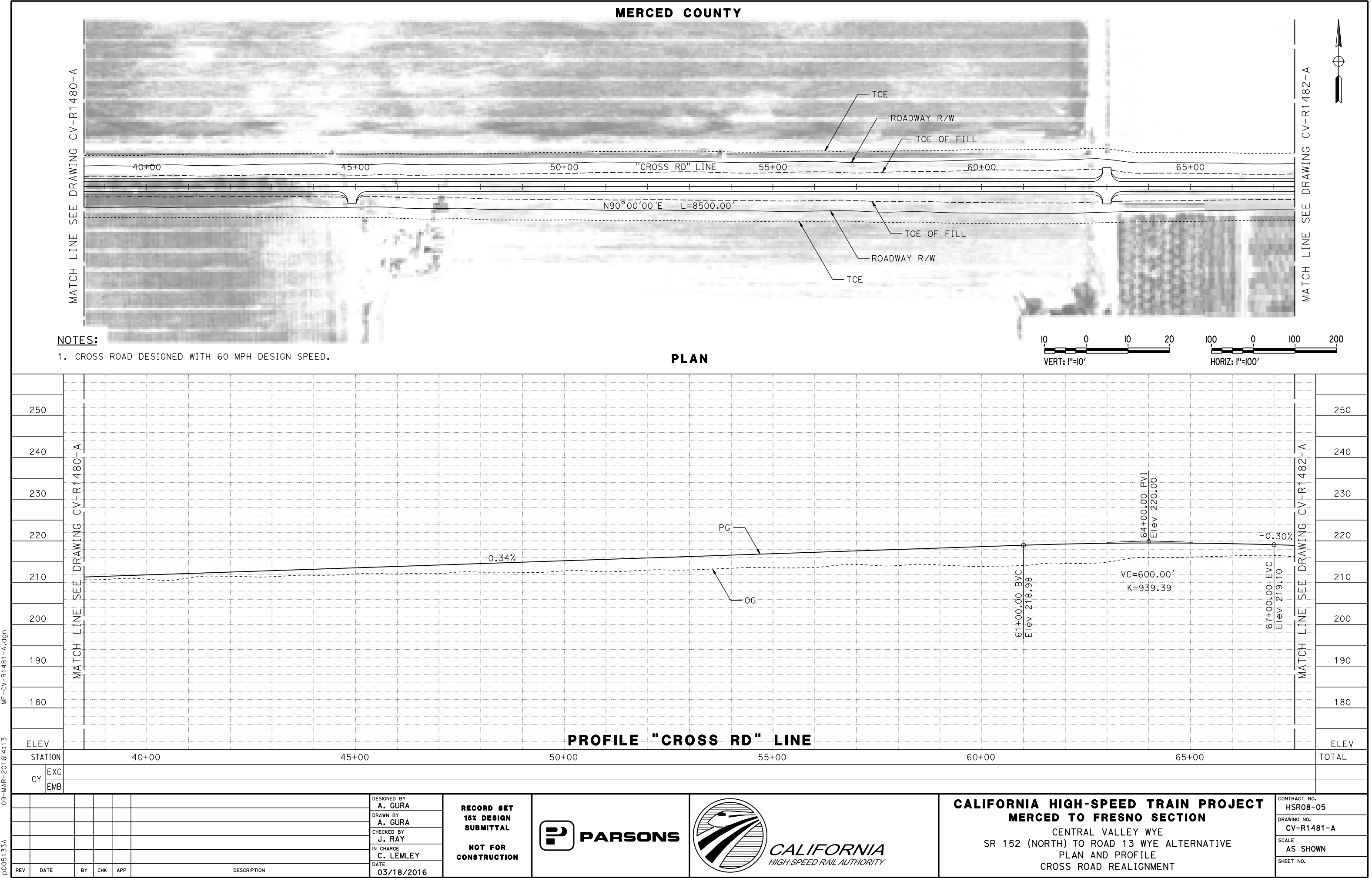
1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

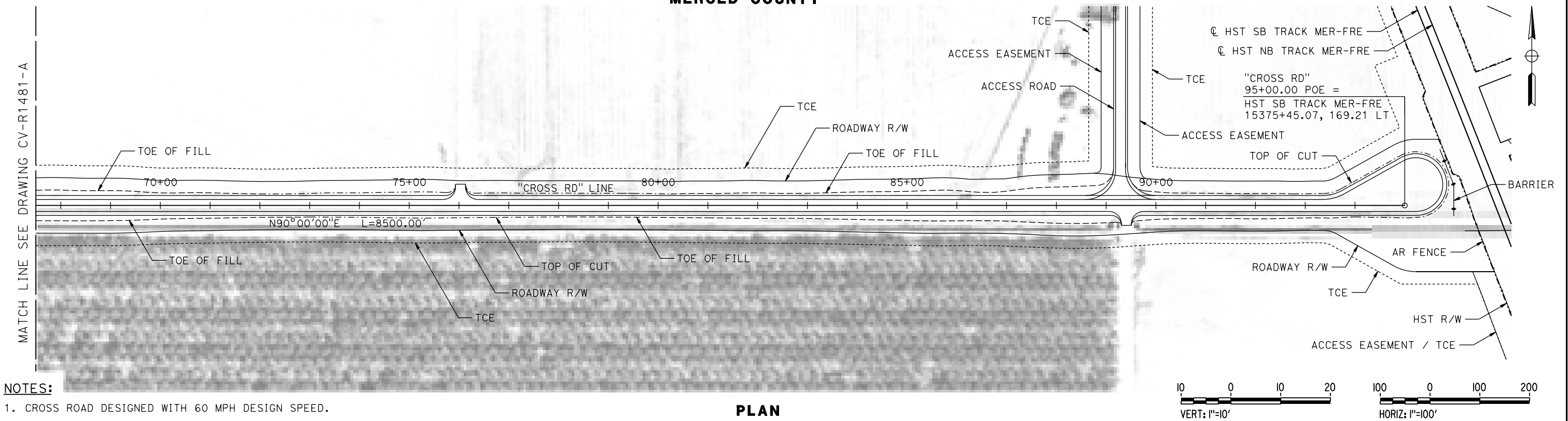
## PLAN



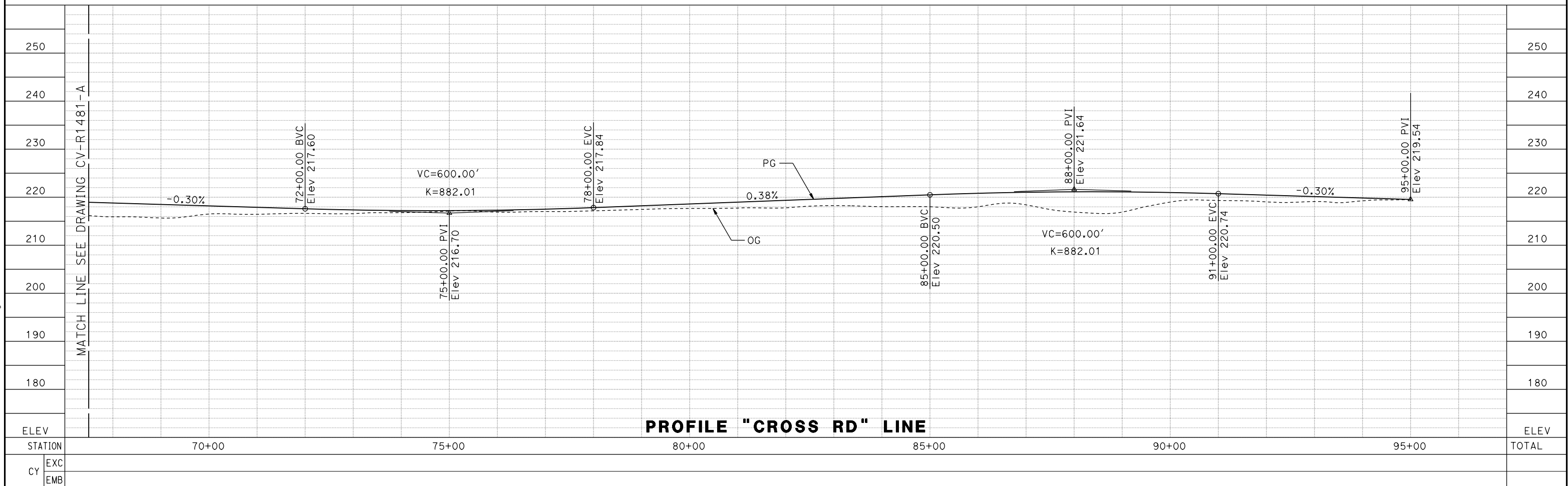
						DESIGNED BY A. GURA	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE CROSS ROAD REALIGNMENT	CONTRACT NO. HSR08-05
						DRAWN BY A. GURA					DRAWING NO. CV-R1480-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						






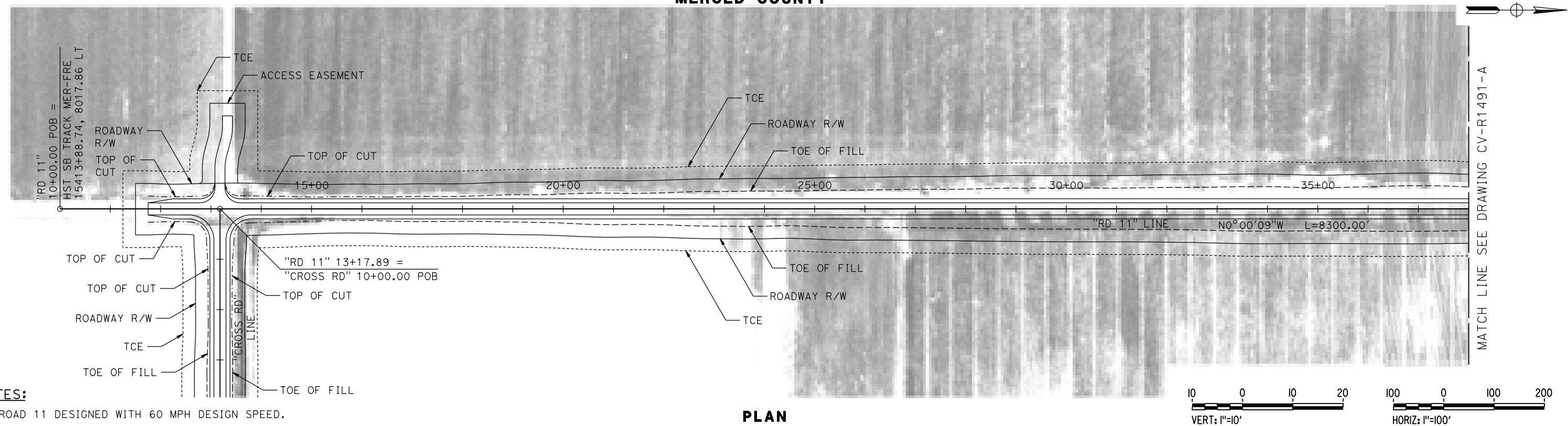
**MERCED COUNTY**

## PLAN

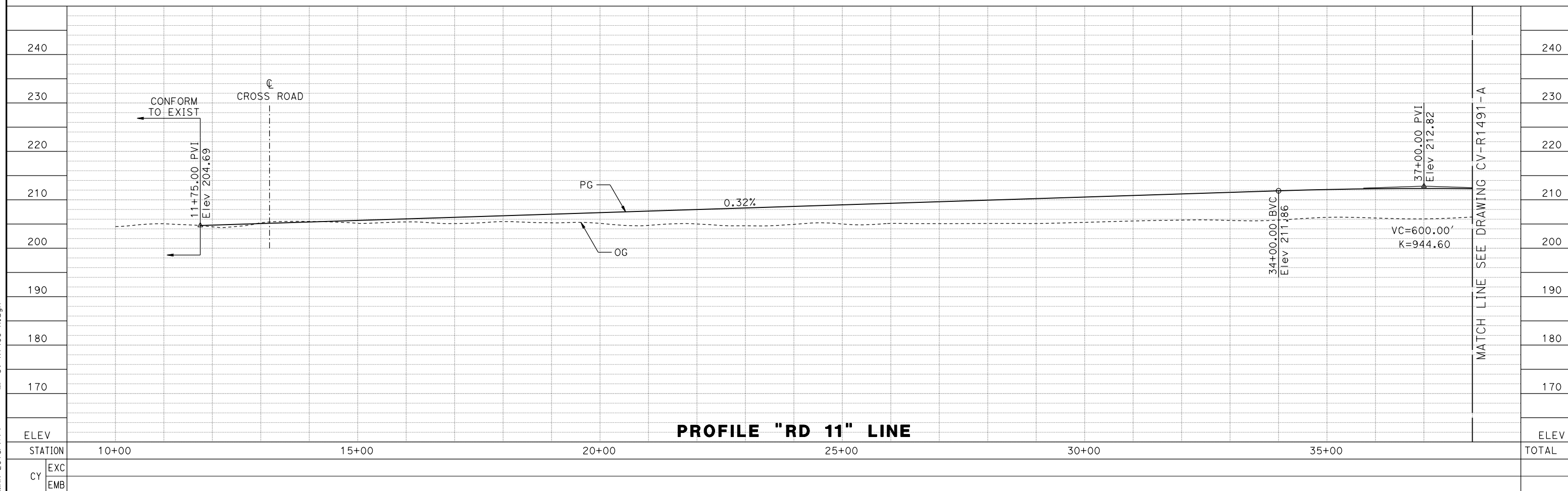




# PROFILE "CROSS RD" LINE

						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE CROSS ROAD REALIGNMENT	CONTRACT NO. HSR08-05
					DRAWN BY A. GURA	DRAWING NO. CV-R1482-A					
					CHECKED BY J. RAY	SCALE AS SHOWN					
					IN CHARGE C. LEMLEY	SHEET NO.					
					DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION						

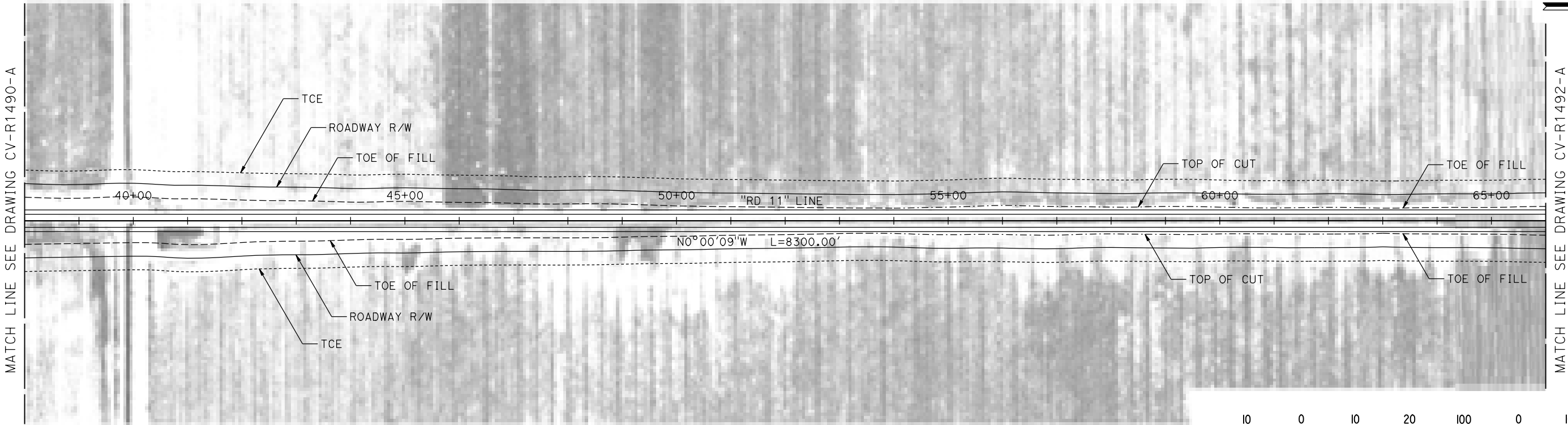
**MERCED COUNTY**

## PLAN



						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 11 REALIGNMENT	CONTRACT NO. HSR08-05
						DRAWN BY A. GURA					DRAWING NO. CV-R1490-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

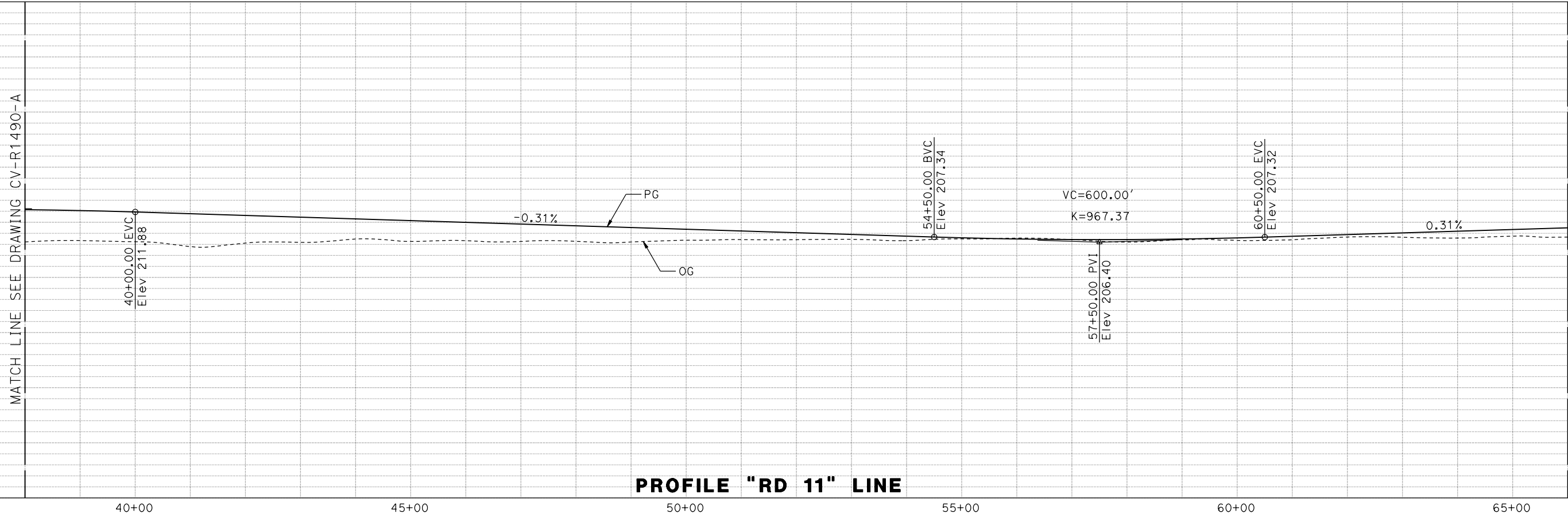
MERCED COUNTY



NOTES:

1. ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 11" LINE

MF-CV-R1491-A.dgn  
09-MAR-2016 14:15  
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



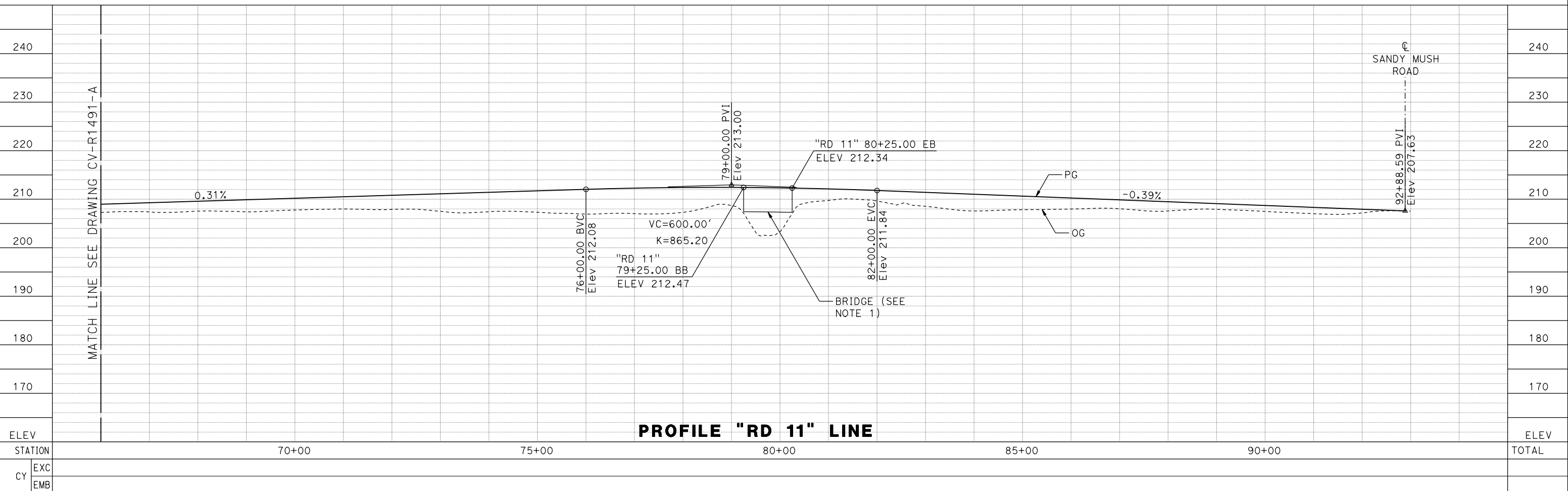
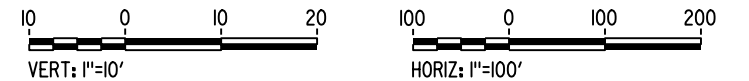
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 11 REALIGNMENT

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1491-A
SCALE AS SHOWN
SHEET NO.



1. FOR DETAIL OF DUTCHMAN CREEK STRUCTURE SEE STRUCTURE, VIADUCT AND TUNNEL PLANS, DRAWING ST-K1495-A.
2. ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

## PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	A. GURA
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET  
15% DESIGN  
SUBMITTAL**

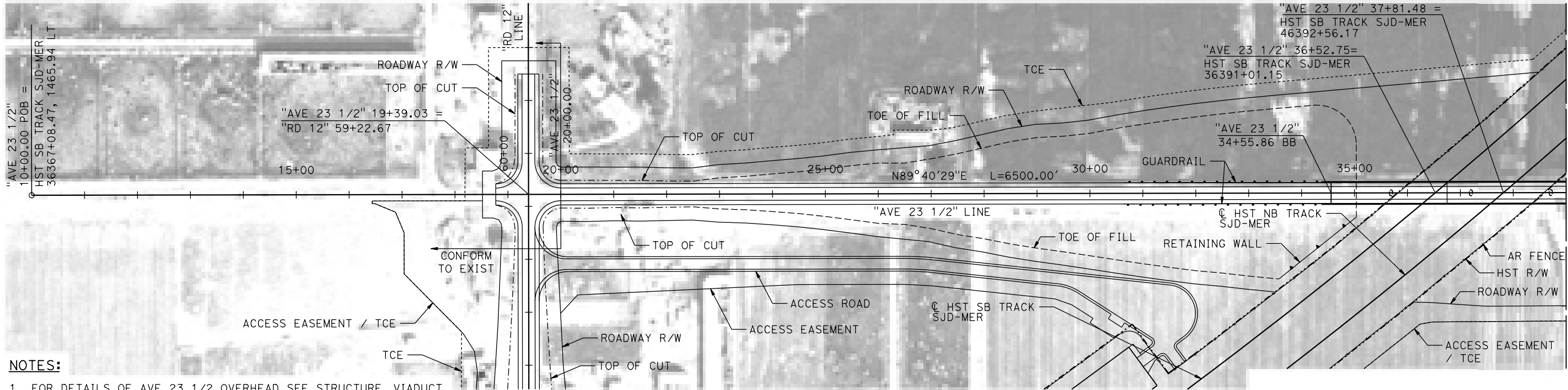
**NOT FOR  
CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 11 REALIGNMENT

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-R1492-A
SCALE	AS SHOWN
SHEET NO.	

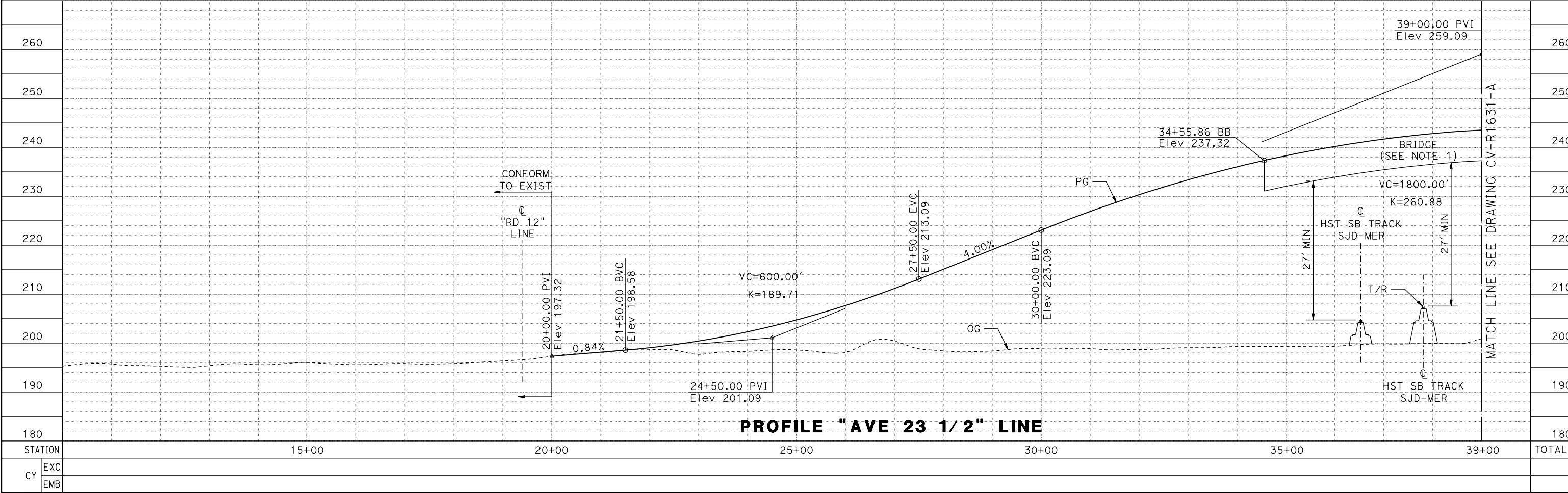
MADERA COUNTY



NOTES:

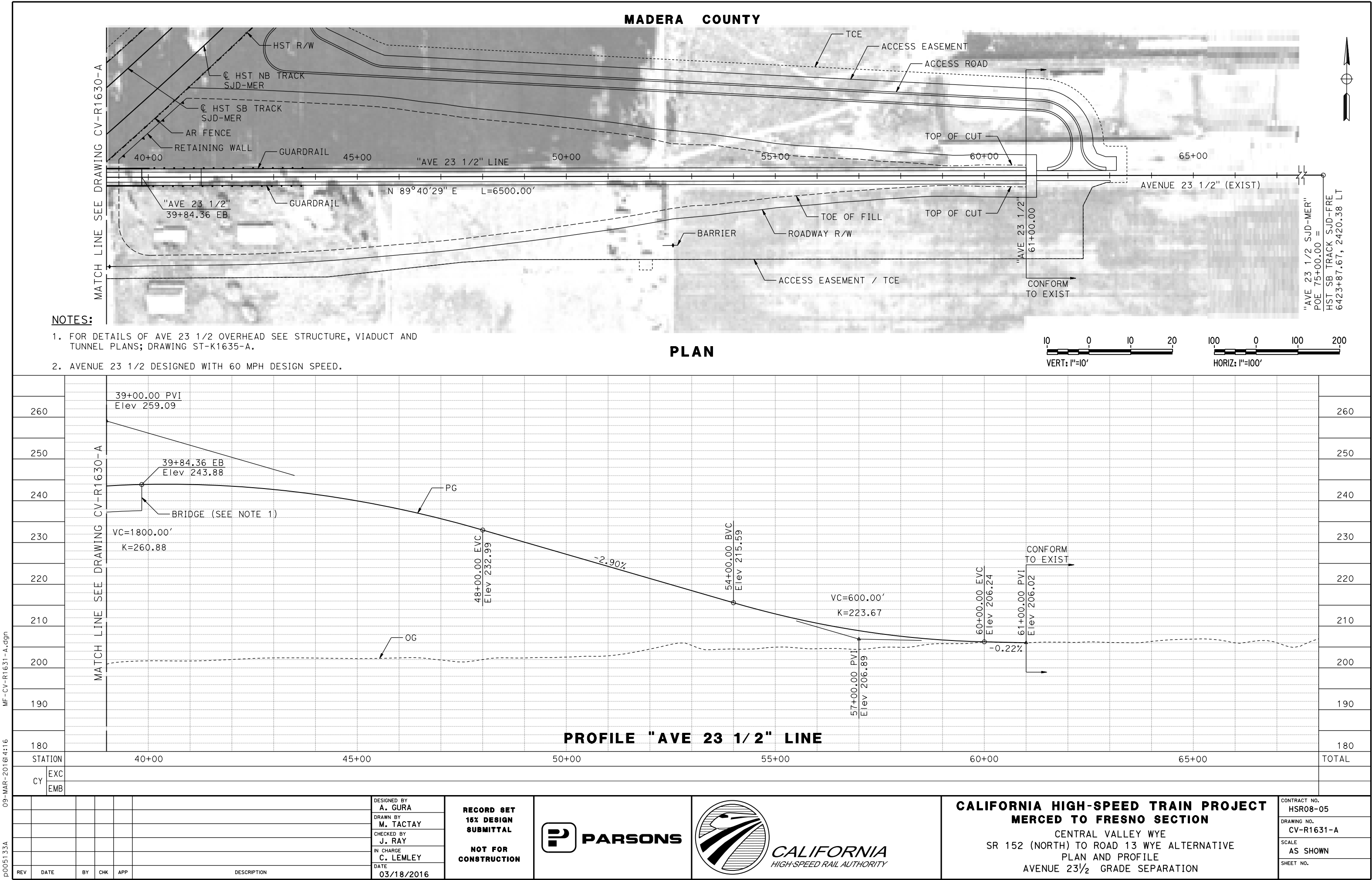
1. FOR DETAILS OF AVE 23 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1635-A.
2. AVENUE 23 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



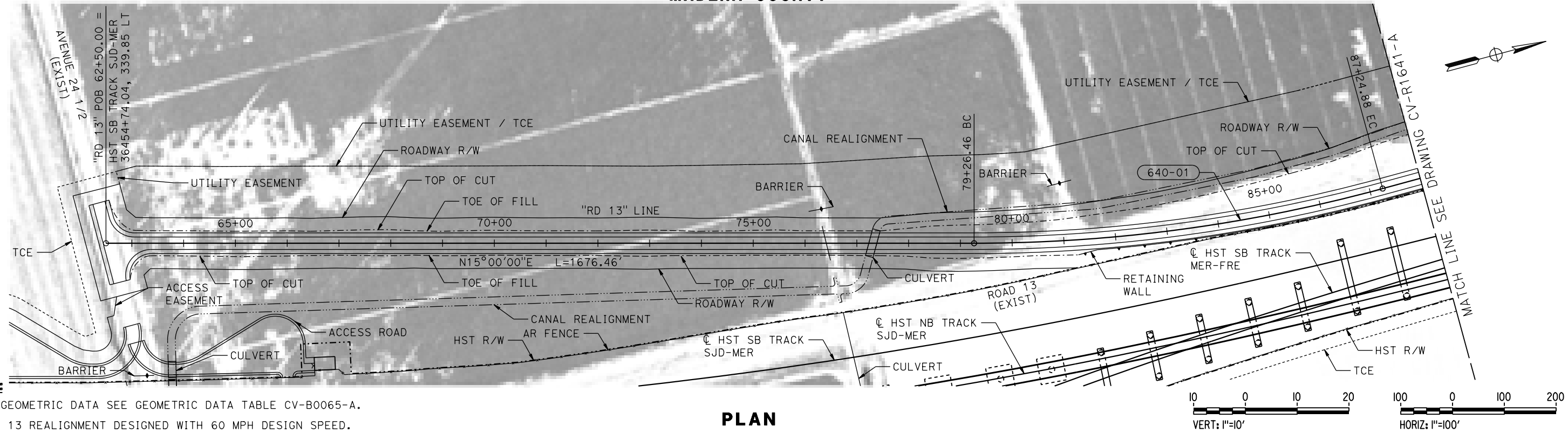
PROFILE "AVE 23 1/2" LINE

DESIGNED BY A. GURA	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE AVENUE 23 1/2 GRADE SEPARATION	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY	NOT FOR CONSTRUCTION				DRAWING NO. CV-R1630-A
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION



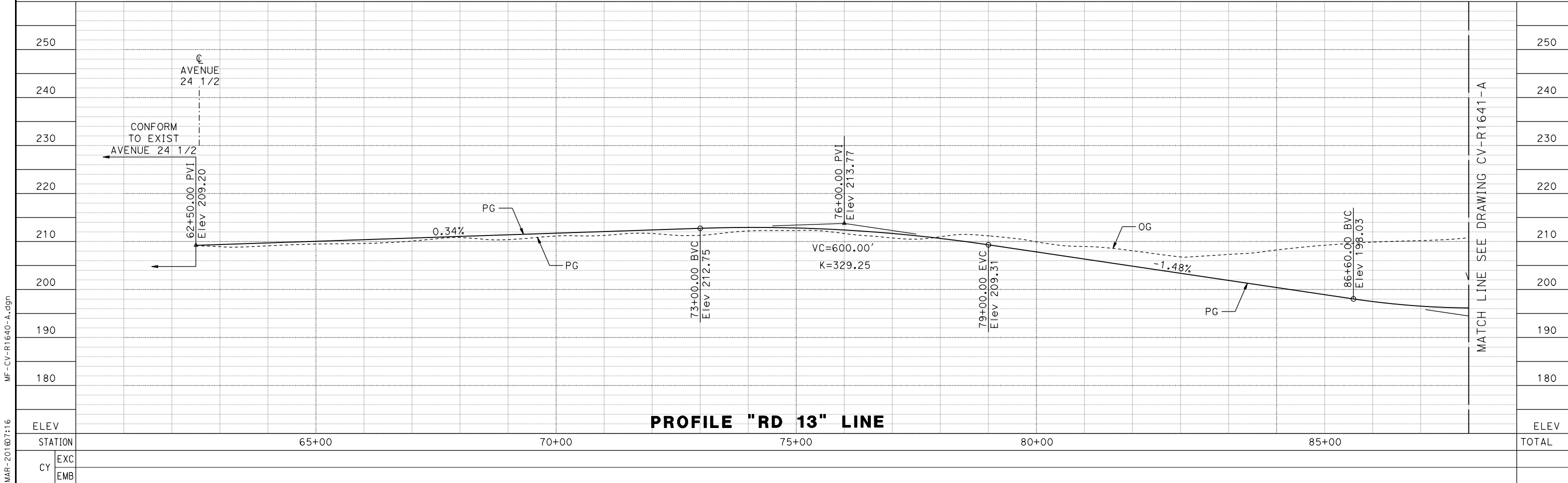


MADERA COUNTY



- NOTES:
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
  2. ROAD 13 REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 13" LINE

16-MAR-2016 10:16:16 MF-CV-R1640-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. GURA  
DRAWN BY  
A. GURA  
CHECKED BY  
J. RAY  
IN CHARGE  
C. LEMLEY  
DATE  
03/18/2016

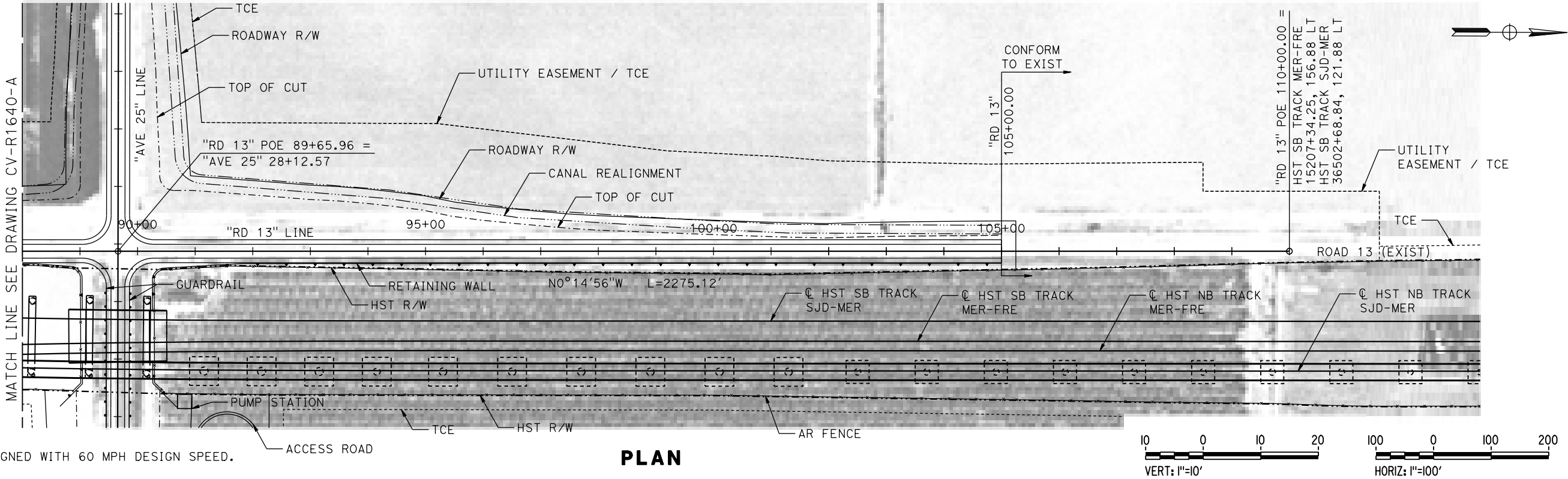
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
PLAN AND PROFILE  
ROAD 13 REALIGNMENT

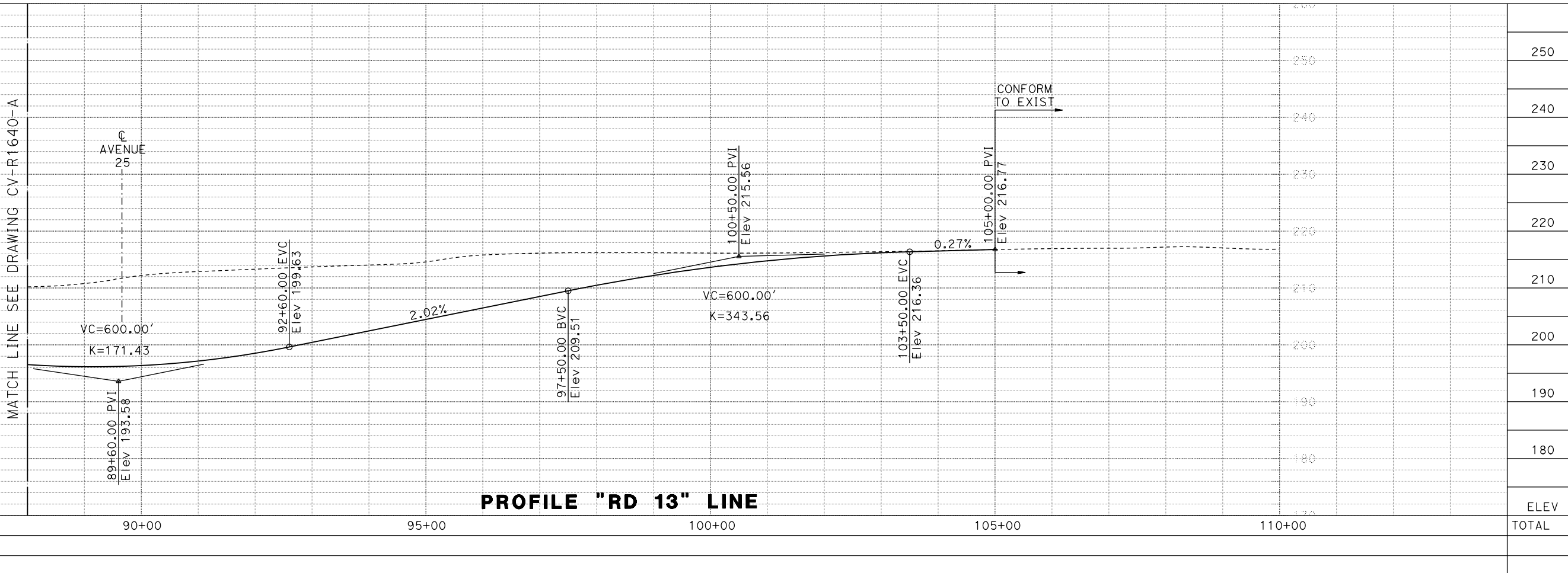
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
CV-R1640-A  
SCALE  
AS SHOWN  
SHEET NO.


# MADERA COUNTY



NOTES:

1. ROAD 13 REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.



						DESIGNED BY A. GURA	<b>RECORD SET</b>  <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 13 REALIGNMENT	CONTRACT NO. HSR08-05
						DRAWN BY A. GURA					DRAWING NO. CV-R1641-A
						CHECKED BY J. RAY					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

CONSTRUCTION STAGING

INDIANA ROAD DETOUR:

- 1. CONSTRUCT TEMPORARY ROAD ON WEST SIDE OF INDIANA ROAD.
- 2. DURING CONSTRUCTION OF INDIANA ROAD GRADE SEPARATION, DIRECT TRAFFIC ONTO TEMPORARY ROADWAY.
- 3. RESTORE TRAFFIC TO INDIANA ROAD UPON COMPLETION OF ROADWAY REALIGNMENT WORK.
- 4. REMOVE TEMPORARY ROADWAY.

SR 59 DETOUR:

- 1. FOR STAGE CONSTRUCTION DETAIL OF SR 59 SEE DRAWINGS CV-I4100-A TO CV-I4103-A.

ROAD 4 / LINCOLN ROAD DETOUR:

- 1. DURING CONSTRUCTION OF ROAD 4 / LINCOLN ROAD GRADE SEPARATION, DETOUR NB TRAFFIC TO EB AVE 21, NB ROAD 6, WB SR 152, NB RD 5 THEN WB AVENUE 23 1/2.
- 2. DETOUR SB TRAFFIC TO EB AVENUE 23 1/2, SB RD 5, EB SR 152, SB ROAD 6, THEN WB AVE 21.
- 3. RESTORE TRAFFIC TO ROAD 4 / LINCOLN RD UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 9 / HEMLOCK ROAD DETOUR:

- 1. FOR STAGE CONSTRUCTION DETAIL OF RD 9 / HEMLOCK RD SEE DRAWINGS CV-I4160-A TO CV-I4163-A.

ROAD 12 DETOUR:

- 1. DURING CONSTRUCTION OF RD 12 GRADE SEPARATION, DETOUR NB TRAFFIC TO EB AVE 22 1/2, NB RD 13, THEN WB AVE 24.
- 2. DETOUR SB TRAFFIC TO EB AVE 24, SB RD 13, THEN WB AVE 22 1/2.
- 3. RESTORE TRAFFIC TO RD 12 UPON COMPLETION OF GRADE SEPARATION WORK.

SR 152 AT ROAD 12 DETOUR:

- 1. CONSTRUCT PROPOSED EASTBOUND AND WESTBOUND LANES OF SR 152.
- 2. SHIFT EASTBOUND AND WESTBOUND SR 152 TRAFFIC ONTO PROPOSED SR 152 REALIGNMENT.
- 3. DEMOLISH EXISTING SR 152.

SR 233 / ROBERTSON BOULEVARD DETOUR:

- 1. FOR STAGE CONSTRUCTION DETAIL OF SR 233 / ROBERTSON BLVD SEE DRAWINGS CV-I4210-A TO CV-I4214-A.

ROAD 16 DETOUR:

- 1. FOR STAGE CONSTRUCTION DETAIL OF ROAD 16 SEE DRAWINGS CV-I4230-A TO CV-I4233-A.

ROAD 17 1/2 DETOUR:

- 1. DURING CONSTRUCTION OF ROAD 17 1/2 GRADE SEPARATION, DETOUR SB TRAFFIC TO WB AVENUE 23 1/2, SB ROAD 17, EB SR 152, SB SR 99, SB AVENUE 21 1/2, THEN NB RD 19.
- 2. DETOUR NB TRAFFIC TO SB RD 19, NB AVE 21 1/2, NB SR 99, WB SR 152, NB RD 17, THEN EB AVE 23 1/2.
- 3. RESTORE TRAFFIC TO RD 17 1/2 UPON COMPLETION OF GRADE SEPARATION.

ROAD 20 DETOUR:

- 1. DURING CONSTRUCTION OF RD 20 GRADE SEPARATION, DETOUR NB TRAFFIC TO WB AVE 22 1/2, THEN NB RD 19 1/2, THEN TO EB AVE 23 1/2.
- 2. DETOUR SB TRAFFIC TO WB AVE 23 1/2, THEN SB RD 19 1/2, THEN EB AVE 22 1/2.
- 3. RESTORE TRAFFIC TO RD 20 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 22 DETOUR:

- 1. DURING CONSTRUCTION OF RD 22 GRADE SEPARATION, DETOUR NB TRAFFIC TO NB FAIRMEAD BLVD, EB AVE 22, NB RD 20, THEN EB AVE 24.
- 2. DETOUR SB TRAFFIC TO WB AVE 24, SB RD 20, WB AVE 22, THEN SB FAIRMEAD BLVD.
- 3. BUILD TEMPORARY ROADWAY ON SOUTH SIDE OF AVE 22, CONNECTING AVE 22 TRAFFIC TO ROAD 22.
- 4. RESTORE TRAFFIC TO RD 22 AND AVE 22 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 24 AND AVENUE 20 1/2 DETOUR:

- 1. CONSTRUCT TEMPORARY ROADS ON WEST SIDE OF ROAD 24 AND SOUTH SIDE OF AVENUE 20 1/2
- 2. DURING CONSTRUCTION OF ROAD 24 AND AVENUE 20 1/2 REALIGNMENT, DIRECT TRAFFIC ONTO TEMPORARY ROADWAYS.
- 3. RESTORE TRAFFIC TO ROAD 24 AND AVENUE 20 1/2 UPON COMPLETION OF ROADWAY REALIGNMENT WORK.
- 4. REMOVE TEMPORARY ROADWAYS.

AVENUE 23 1/2 DETOUR:

- 1. DURING CONSTRUCTION OF AVE 23 1/2 GRADE SEPARATION, DETOUR EB TRAFFIC TO SB RD 11, EB SR 152, THEN NB ROBERTSON BLVD.
- 2. DETOUR WB TRAFFIC TO SB ROBERTSON BLVD, WB SR 152, THEN NB RD 11.
- 3. RESTORE TRAFFIC TO AVE 23 1/2 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 13 DETOUR

- 1. NO CONCURRENT CONSTRUCTION OF ROAD 13 AND AVENUE 25 IS ALLOWED.
- 2. DURING CONSTRUCTION OF RD 13 GRADE SEPARATION, DETOUR NB TRAFFIC TO EB AVENUE 23 1/2, NB RD 14, THEN WB AVE 25 1/2.
- 3. DETOUR SB TRAFFIC TO EB AVENUE 25 1/2, SB ROAD 14, THEN WB AVENUE 23 1/2.
- 4. RESTORE TRAFFIC TO ROAD 13 UPON COMPLETION OF GRADE SEPARATION WORK.

AVENUE 25 DETOUR:

- 1. DURING CONSTRUCTION OF AVE 25 GRADE SEPARATION, DETOUR EB TRAFFIC TO NB RD 12, EB AVE 26, SB RD 13, THEN EB AVE 25 1/2.
- 2. DETOUR WB TRAFFIC TO NB ROAD 14, WB AVENUE 25 1/2, NB RD 13, WB AVENUE 26, THEN SB ROAD 12.
- 3. RESTORE TRAFFIC TO AVENUE 25 UPON COMPLETION OF GRADE SEPARATION WORK.

CUT-AND-COVER TUNNEL AT SANDY MUSH STAGING:

- 1. MAINTAIN ONE LANE IN EACH DIRECTION AT ALL TIMES DURING CONSTRUCTION OF CUT-AND-COVER TUNNEL.

MF-CV-10001-A.dgn 09-MAR-2016 2:18 p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET 15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

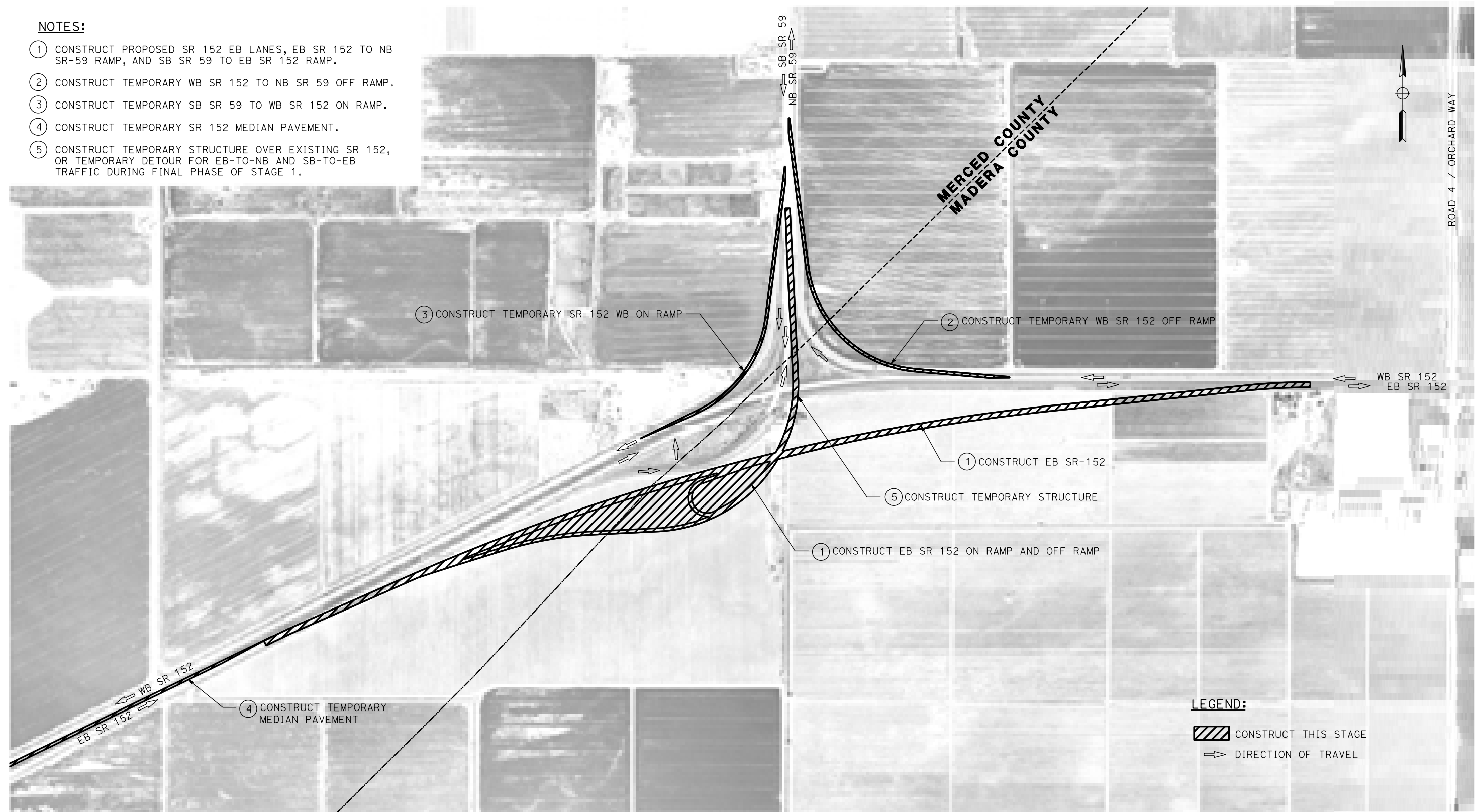


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE SR 152 NORTH TO ROAD 13 WYE STAGE CONSTRUCTION PLAN GENERAL NOTES

CONTRACT NO. HSR08-05
DRAWING NO. CV-I0001-A
SCALE NO SCALE
SHEET NO.

**NOTES:**

- ① CONSTRUCT PROPOSED SR 152 EB LANES, EB SR 152 TO NB SR-59 RAMP, AND SB SR 59 TO EB SR 152 RAMP.
- ② CONSTRUCT TEMPORARY WB SR 152 TO NB SR 59 OFF RAMP.
- ③ CONSTRUCT TEMPORARY SB SR 59 TO WB SR 152 ON RAMP.
- ④ CONSTRUCT TEMPORARY SR 152 MEDIAN PAVEMENT.
- ⑤ CONSTRUCT TEMPORARY STRUCTURE OVER EXISTING SR 152, OR TEMPORARY DETOUR FOR EB-TO-NB AND SB-TO-EB TRAFFIC DURING FINAL PHASE OF STAGE 1.



**PLAN**

**LEGEND:**

-  CONSTRUCT THIS STAGE
-  DIRECTION OF TRAVEL



MF-CV-I4100-A.dgn

09-MAR-2016 12:19

p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**

DRAWN BY  
**A. GURA**

CHECKED BY  
**J. RAY**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 59/SR 152 STAGE 1 OF 4

CONTRACT NO.  
**HSR08-05**

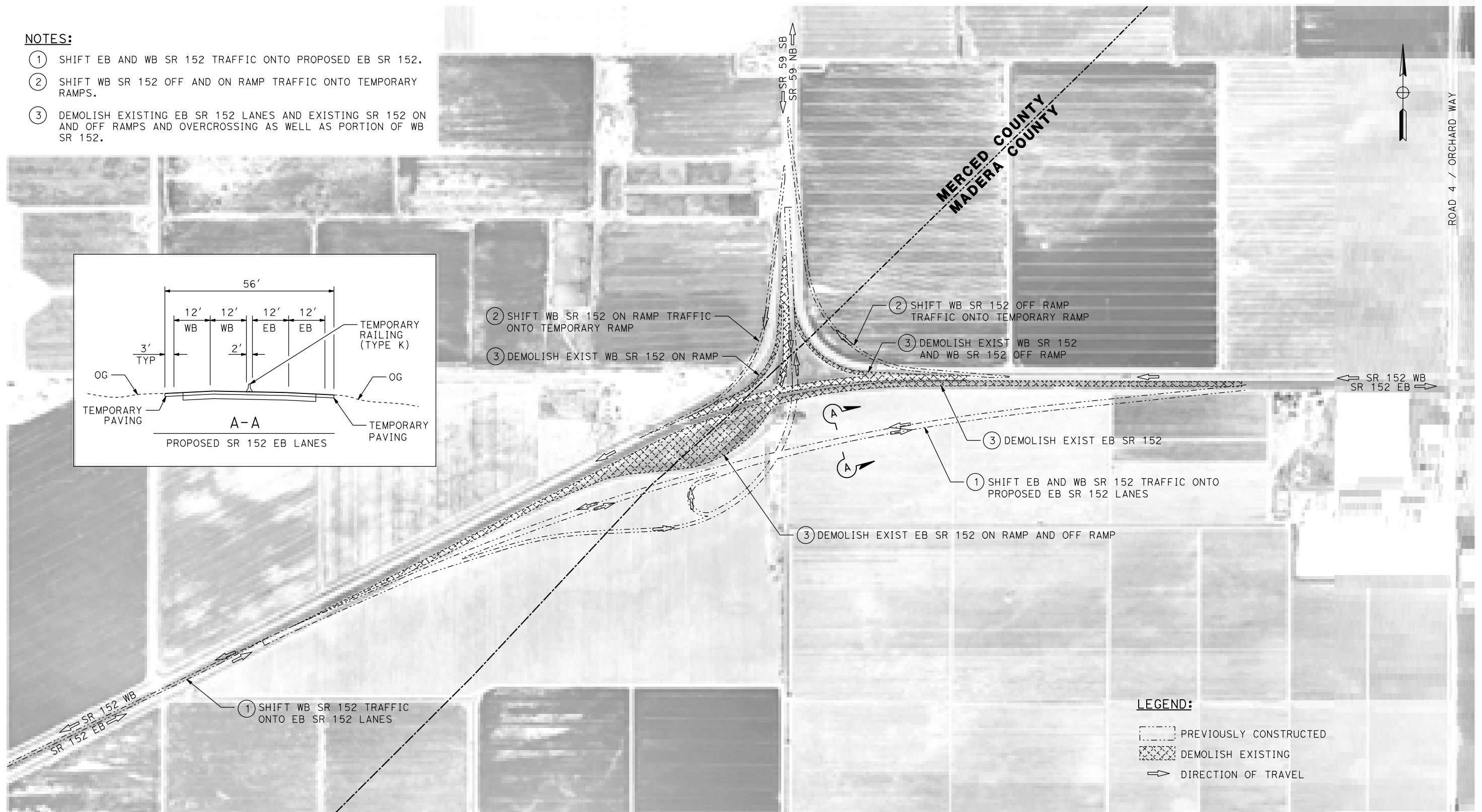
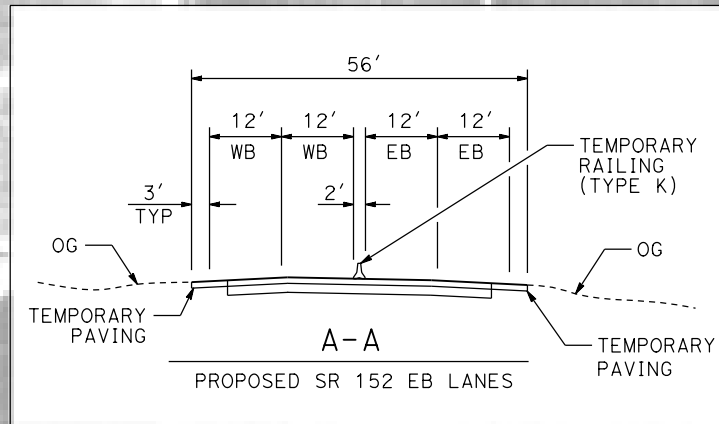
DRAWING NO.  
**CV-I4100-A**

SCALE  
**AS SHOWN**

SHEET NO.

**NOTES:**

- ① SHIFT EB AND WB SR 152 TRAFFIC ONTO PROPOSED EB SR 152.
- ② SHIFT WB SR 152 OFF AND ON RAMP TRAFFIC ONTO TEMPORARY RAMPS.
- ③ DEMOLISH EXISTING EB SR 152 LANES AND EXISTING SR 152 ON AND OFF RAMPS AND OVERCROSSING AS WELL AS PORTION OF WB SR 152.



**PLAN**

09-MAR-2016 21:20 MF-CV-I4101-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**J. RAY**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 59/SR 152 STAGE 2 OF 4

CONTRACT NO.  
**HSR08-05**

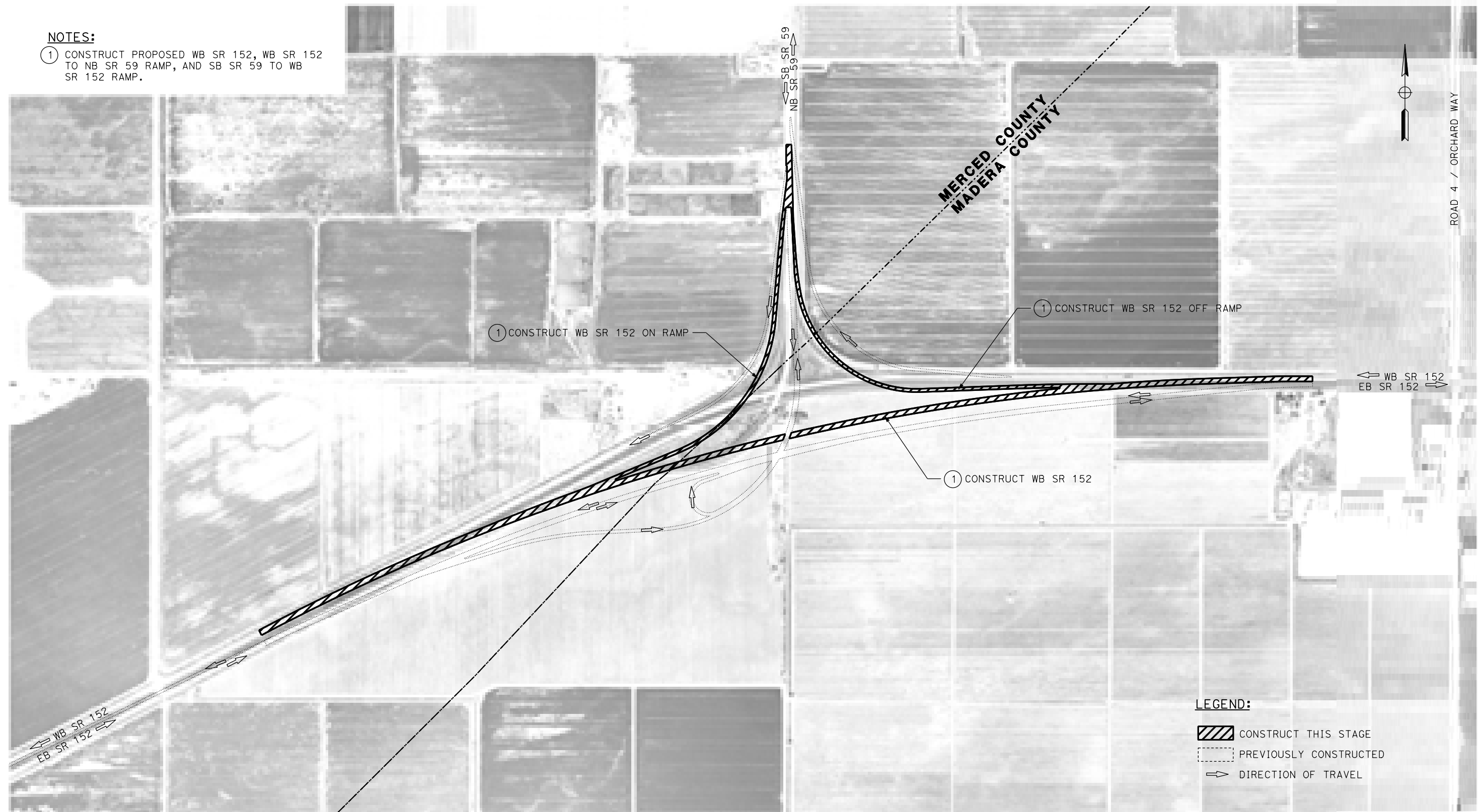
DRAWING NO.  
**CV-I4101-A**

SCALE  
**AS SHOWN**

SHEET NO.

**NOTES:**

- ① CONSTRUCT PROPOSED WB SR 152, WB SR 152 TO NB SR 59 RAMP, AND SB SR 59 TO WB SR 152 RAMP.



**PLAN**

**LEGEND:**

- CONSTRUCT THIS STAGE
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL



MF-CV-14102-A.dgn

09-MAR-2016 12:20

p005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. GURA**  
DRAWN BY  
**A. GURA**  
CHECKED BY  
**J. RAY**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**10/30/2015**

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



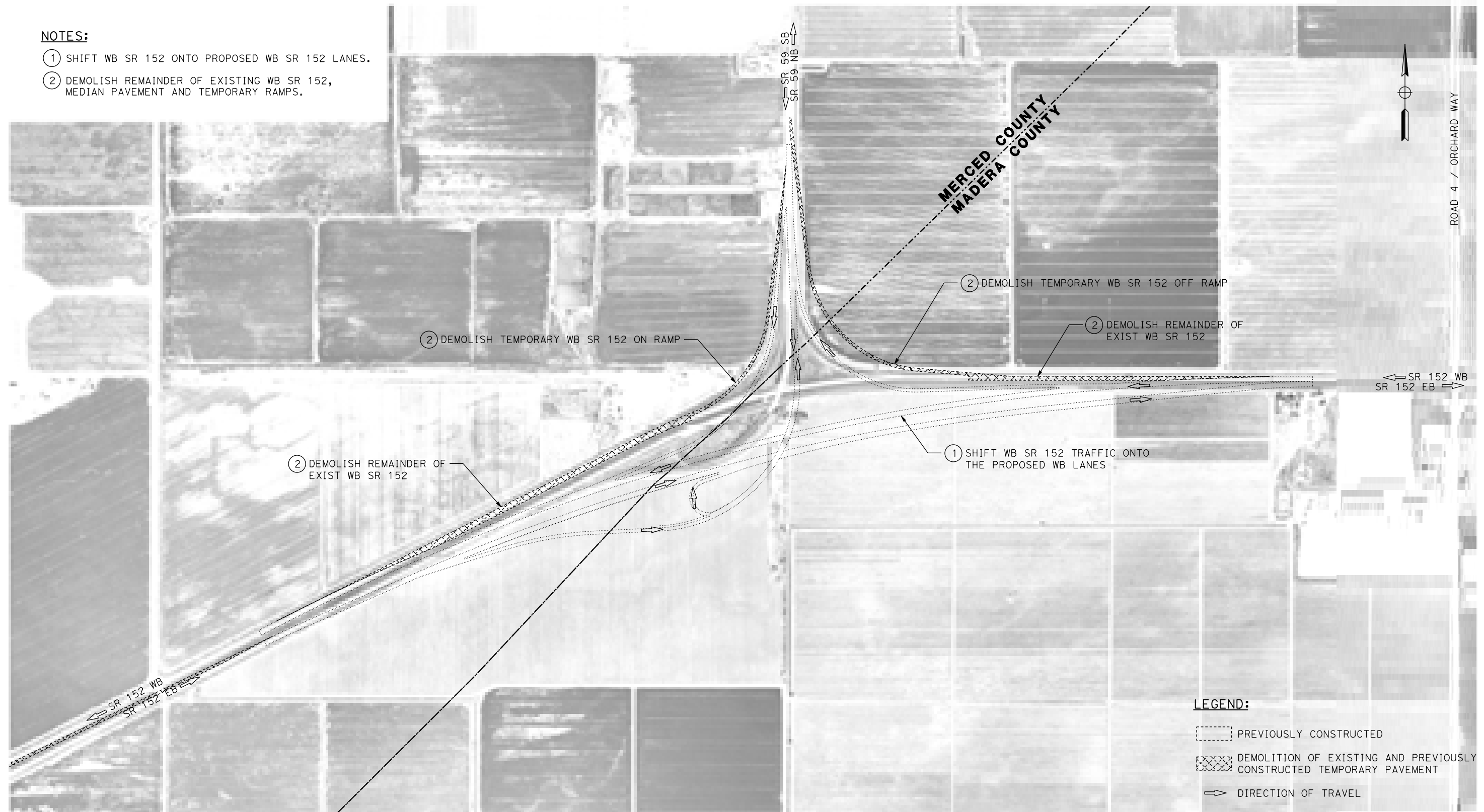
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 59/SR 152 STAGE 3 OF 4

CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**CV-14102-A**  
SCALE  
**AS SHOWN**  
SHEET NO.

**NOTES:**

- ① SHIFT WB SR 152 ONTO PROPOSED WB SR 152 LANES.
- ② DEMOLISH REMAINDER OF EXISTING WB SR 152, MEDIAN PAVEMENT AND TEMPORARY RAMPS.



**PLAN**

**LEGEND:**

- PREVIOUSLY CONSTRUCTED
- DEMOLITION OF EXISTING AND PREVIOUSLY CONSTRUCTED TEMPORARY PAVEMENT
- DIRECTION OF TRAVEL

400 0 400 800  
1"=400'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 59/SR 152 STAGE 4 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4103-A
SCALE AS SHOWN
SHEET NO.

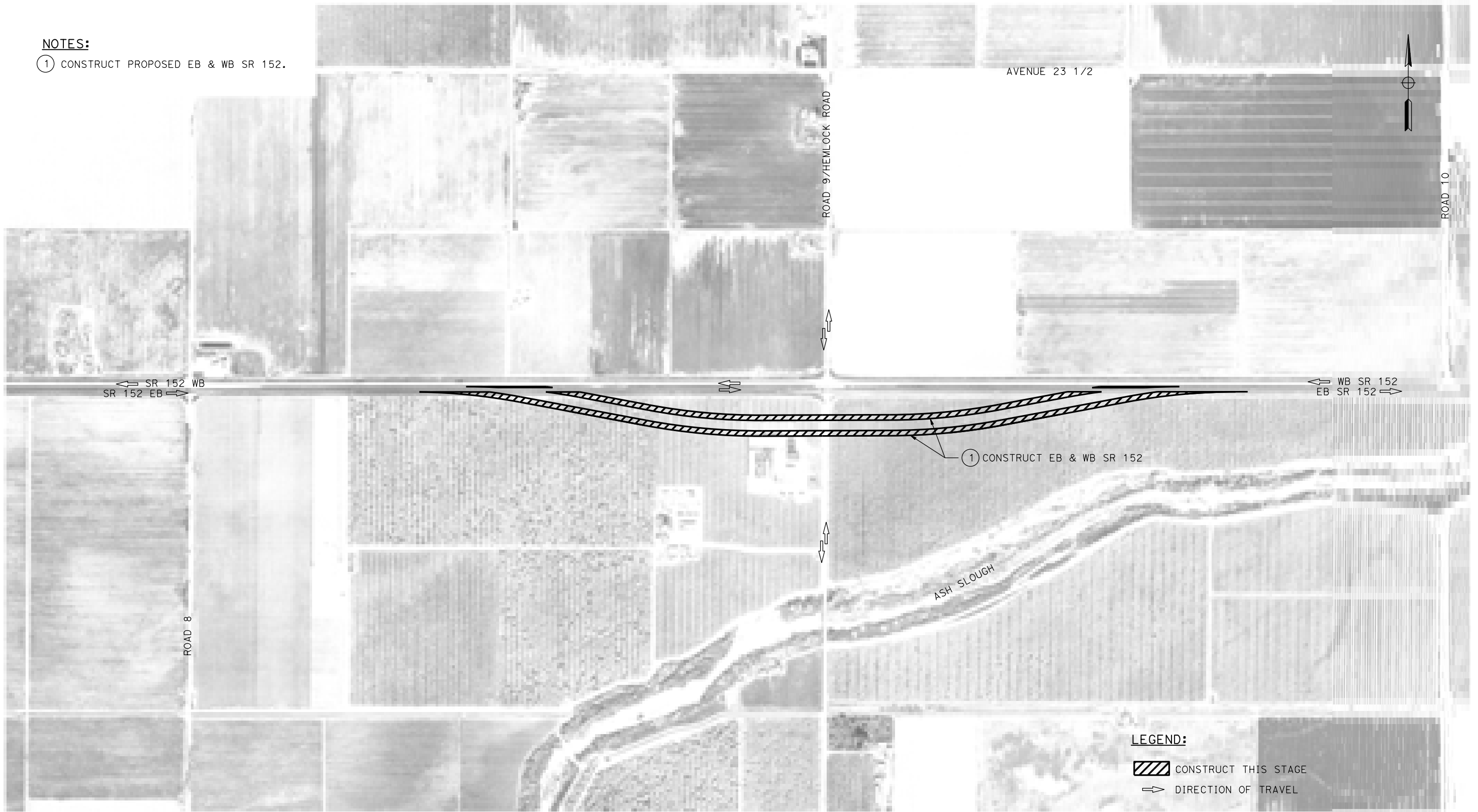


09-MAR-2016 12:21 MF-CV-I4160-A.dgn

0005133A

NOTES:

- ① CONSTRUCT PROPOSED EB & WB SR 152.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 9/SR 152 STAGE 1 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4160-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 21:23 MF-CV-14161-A.dgn

0005133A

**NOTES:**

- ① DETOUR SOUTHBOUND ROAD 9 TRAFFIC ONTO EASTBOUND AVENUE 23 1/2, SOUTHBOUND ON ROAD 11, THEN WESTBOUND ON AVENUE 22 1/2.
- ② DETOUR NORTHBOUND ROAD 9 TRAFFIC ONTO EASTBOUND AVENUE 22 1/2, NORTHBOUND ON ROAD 11, THEN WESTBOUND ON AVENUE 23 1/2.
- ③ SHIFT EASTBOUND AND WESTBOUND SR 152 TRAFFIC ONTO PROPOSED SR 152 REALIGNMENT.
- ④ DEMOLISH EXISTING SR 152 AND EXISTING ROAD 9/HEMLOCK ROAD.



**PLAN**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A. GURA</b>
DRAWN BY <b>A. GURA</b>
CHECKED BY <b>J. RAY</b>
IN CHARGE <b>C. LEMLEY</b>
DATE <b>10/30/2015</b>

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



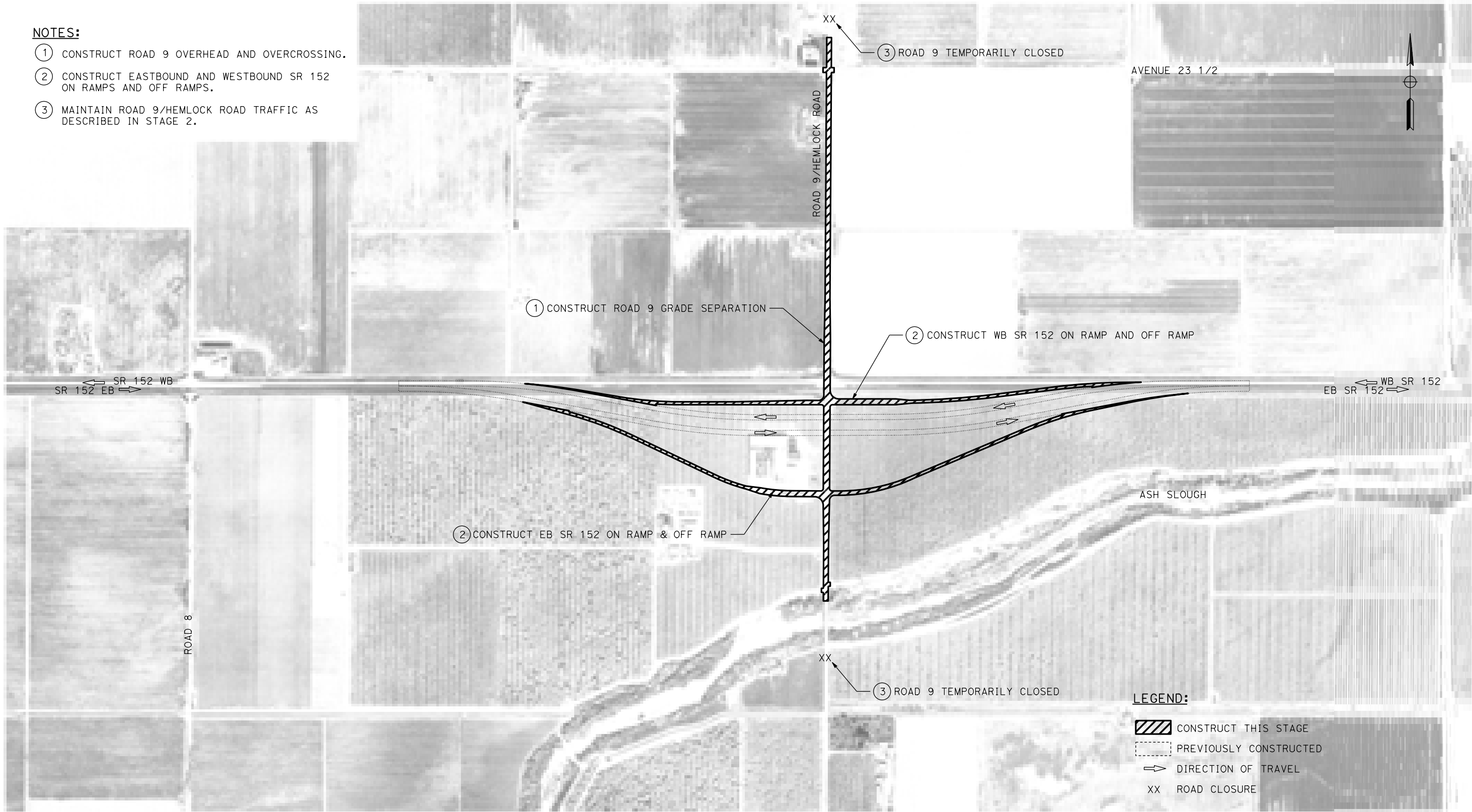
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 9/SR 152 STAGE 2 OF 4

CONTRACT NO. <b>HSR08-05</b>
DRAWING NO. <b>CV-14161-A</b>
SCALE <b>AS SHOWN</b>
SHEET NO.

NOTES:

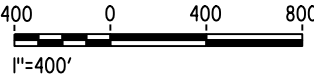
- ① CONSTRUCT ROAD 9 OVERHEAD AND OVERCROSSING.  
② CONSTRUCT EASTBOUND AND WESTBOUND SR 152 ON RAMP AND OFF RAMP.  
③ MAINTAIN ROAD 9/HEMLOCK ROAD TRAFFIC AS DESCRIBED IN STAGE 2.



LEGEND:

- ▨ CONSTRUCT THIS STAGE  
▤ PREVIOUSLY CONSTRUCTED  
➡ DIRECTION OF TRAVEL  
XX ROAD CLOSURE

PLAN



09-MAR-2016 21:23 MF-CV-14162-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

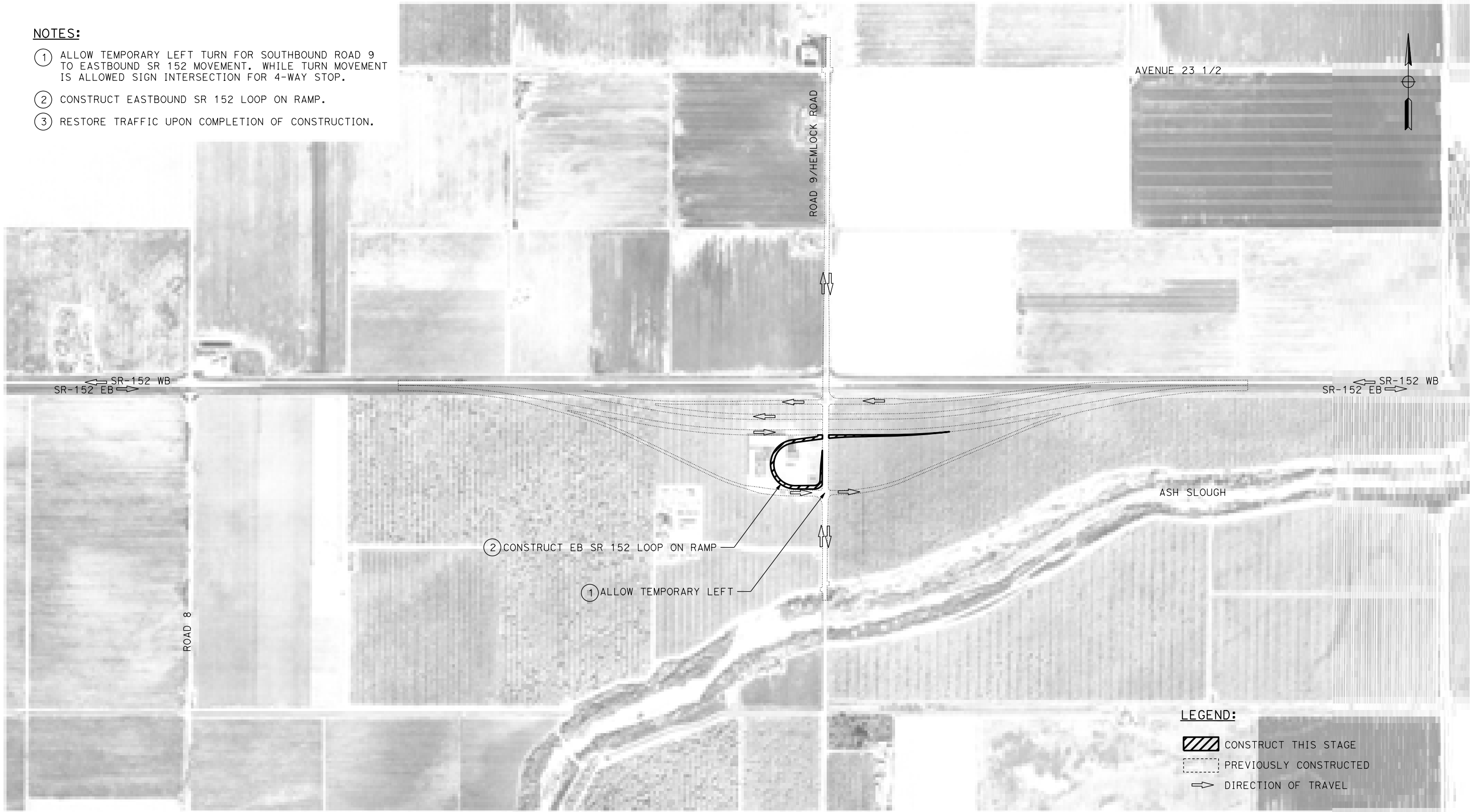


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 9/SR 152 STAGE 3 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-14162-A
SCALE AS SHOWN
SHEET NO.

NOTES:

- ① ALLOW TEMPORARY LEFT TURN FOR SOUTHBOUND ROAD 9 TO EASTBOUND SR 152 MOVEMENT. WHILE TURN MOVEMENT IS ALLOWED SIGN INTERSECTION FOR 4-WAY STOP.
- ② CONSTRUCT EASTBOUND SR 152 LOOP ON RAMP.
- ③ RESTORE TRAFFIC UPON COMPLETION OF CONSTRUCTION.



PLAN

09-MAR-2016 21:23 MF-CV-14163-A.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

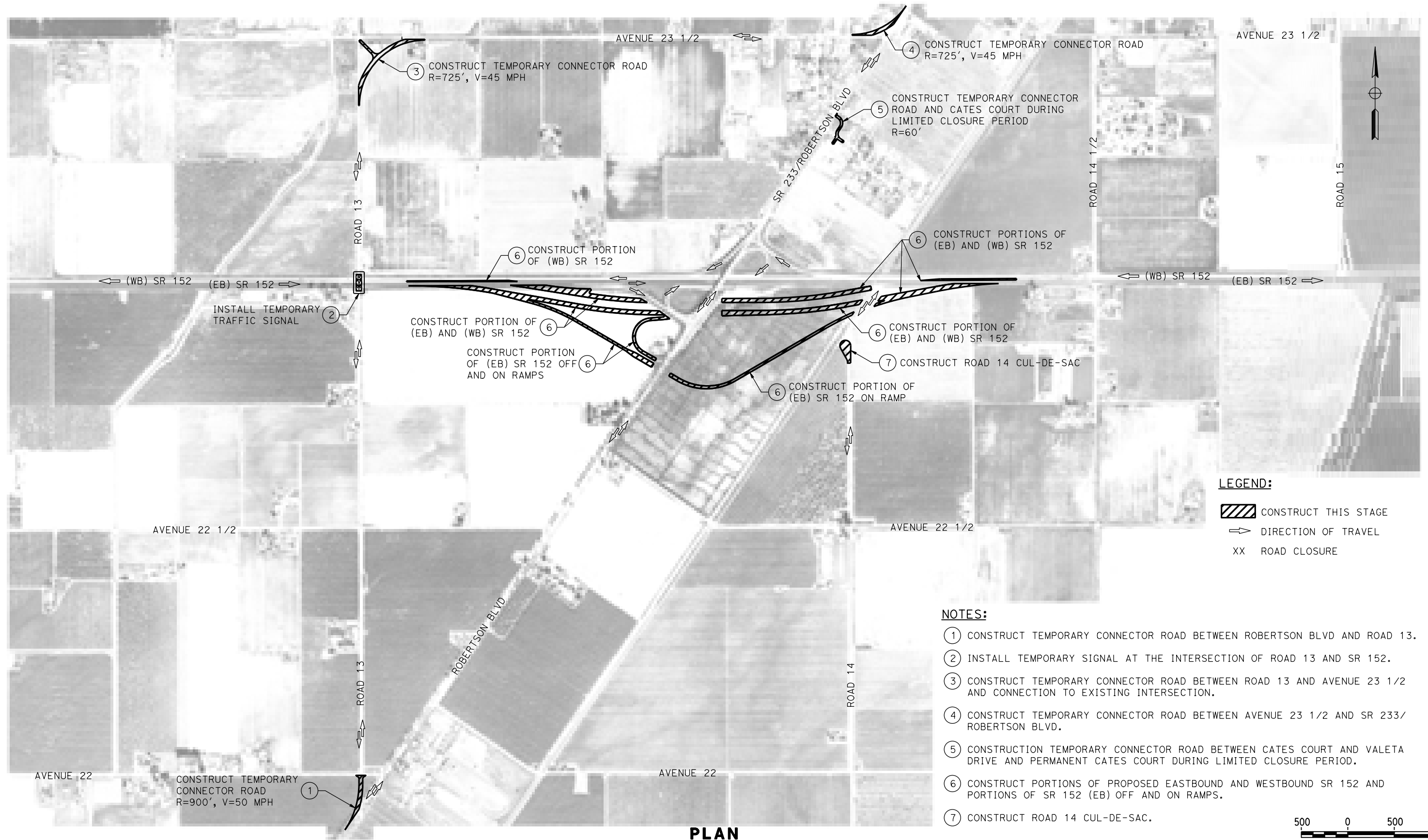


CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 9/SR 152 STAGE 4 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-14163-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 21:39 MF-CV-14210-A.dgn

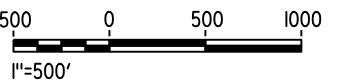
0005133A



PLAN

NOTES:

1. CONSTRUCT TEMPORARY CONNECTOR ROAD BETWEEN ROBERTSON BLVD AND ROAD 13.
2. INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF ROAD 13 AND SR 152.
3. CONSTRUCT TEMPORARY CONNECTOR ROAD BETWEEN ROAD 13 AND AVENUE 23 1/2 AND CONNECTION TO EXISTING INTERSECTION.
4. CONSTRUCT TEMPORARY CONNECTOR ROAD BETWEEN AVENUE 23 1/2 AND SR 233/ ROBERTSON BLVD.
5. CONSTRUCTION TEMPORARY CONNECTOR ROAD BETWEEN CATES COURT AND VALETA DRIVE AND PERMANENT CATES COURT DURING LIMITED CLOSURE PERIOD.
6. CONSTRUCT PORTIONS OF PROPOSED EASTBOUND AND WESTBOUND SR 152 AND PORTIONS OF SR 152 (EB) OFF AND ON RAMP.
7. CONSTRUCT ROAD 14 CUL-DE-SAC.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 02/13/2015

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



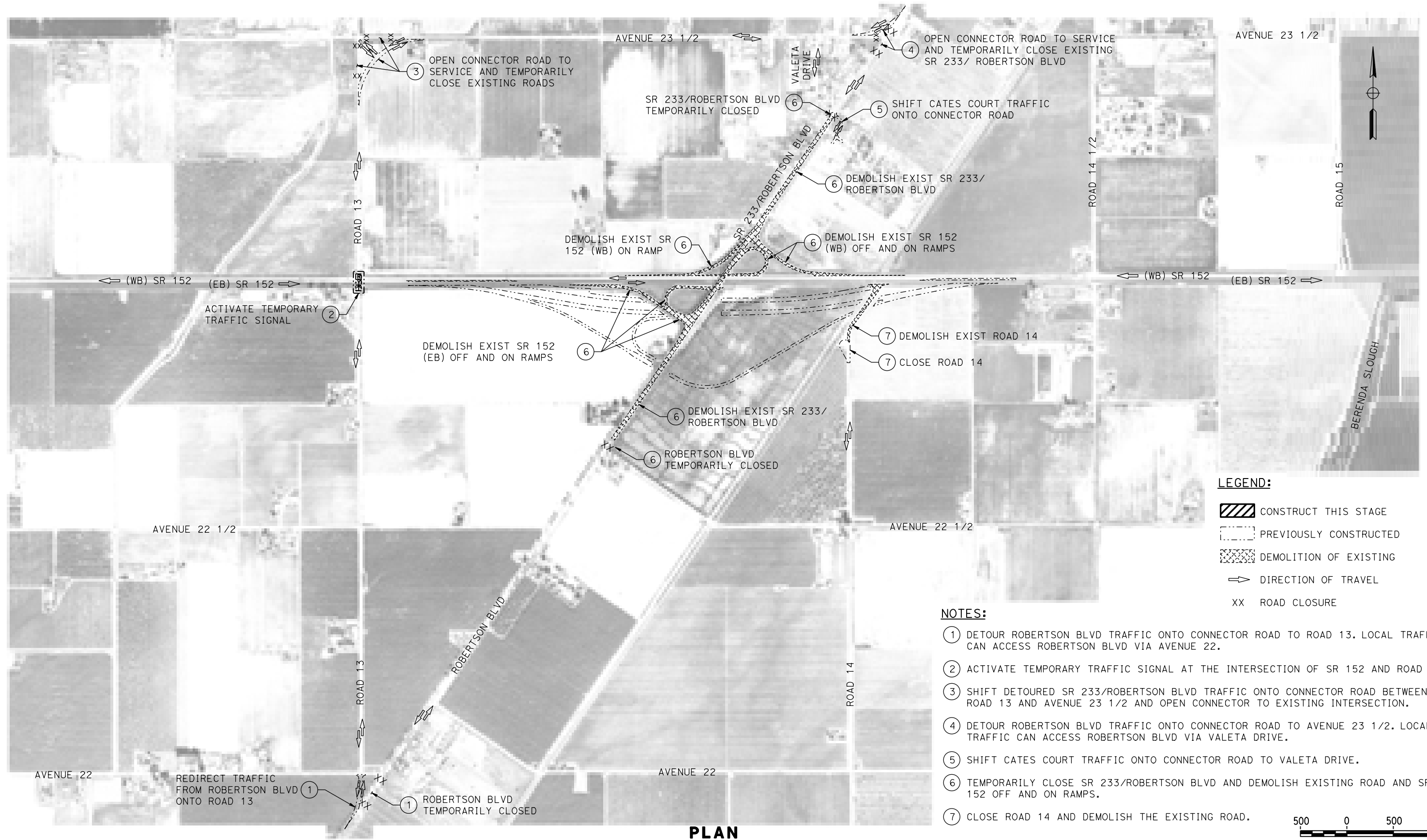
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 233/SR 152 STAGE 1 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-14210-A
SCALE AS SHOWN
SHEET NO.

MF-CV-14211-A.dgn

09-MAR-2016 2:24

p005133A



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

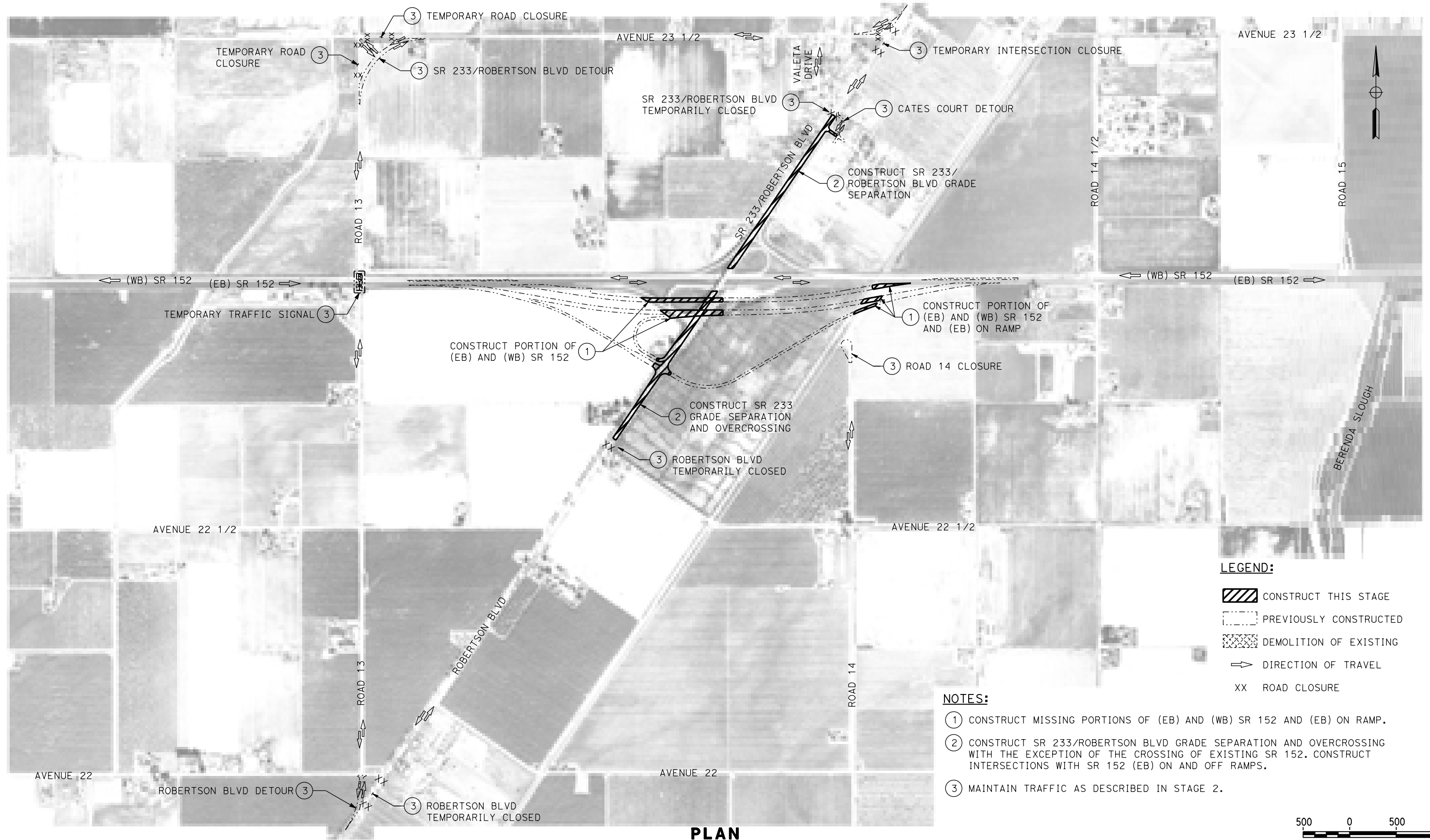
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SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
SR 233/SR 152 STAGE 2 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-14211-A
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p005133a 09-MAR-2016 21:40 MF-CV-14212-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
DATE 02/13/2015

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CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE STAGE CONSTRUCTION PLAN SR 233/SR 152 STAGE 3 OF 5
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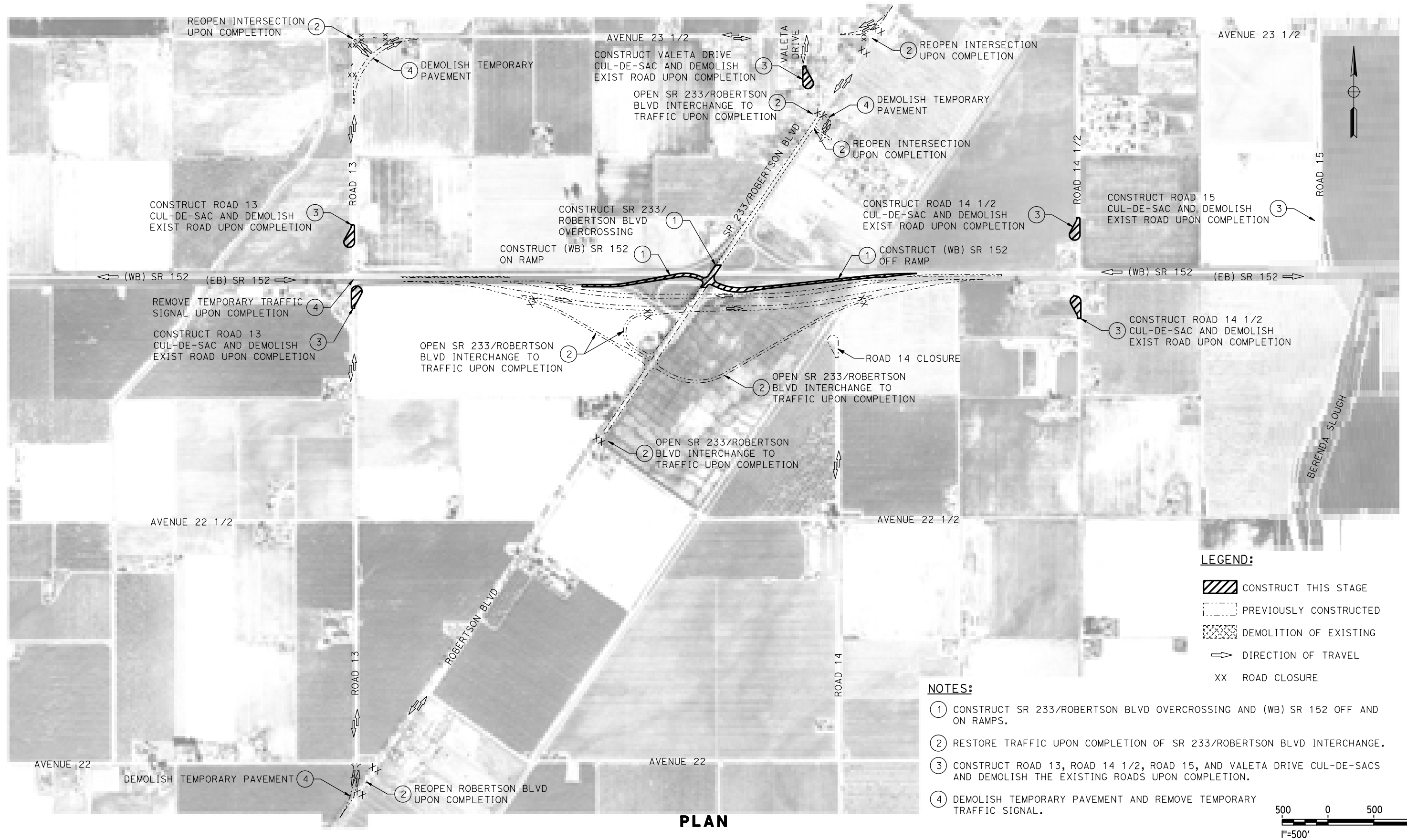
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DRAWING NO. CV-14212-A
SCALE AS SHOWN
SHEET NO.





09-MAR-2016 14:21:26 MF-CV-14214-A.dgn

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY A. GURA
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IN CHARGE C. LEMLEY
DATE 02/13/2015

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CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE STAGE CONSTRUCTION PLAN SR 233/SR 152 STAGE 5 OF 5
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CONTRACT NO. HSR08-05
DRAWING NO. CV-14214-A
SCALE AS SHOWN
SHEET NO.

NOTES:

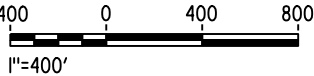
- ① TEMPORARILY CLOSE ROAD 16 SOUTH OF SR 152. REROUTE SOUTHBOUND ROAD 16 TRAFFIC TO WESTBOUND SR 152, THEN SOUTHBOUND ON ROAD 15 1/2, THEN EASTBOUND ON AVENUE 22 1/2. REROUTE NORTHBOUND ROAD 16 TRAFFIC WESTBOUND ON AVENUE 22 1/2, NORTHBOUND ON ROAD 15 1/2, THEN EASTBOUND ON SR 152.
- ② DEMOLISH EXISTING ROAD 16 SOUTH OF SR 152.
- ③ CONSTRUCT ROAD 15 3/4 CUL-DE-SAC.



PLAN

LEGEND:

- DEMOLITION OF EXISTING
- DIRECTION OF TRAVEL
- ROAD CLOSURE



MF-CV-14230-A.dgn  
09-MAR-2016 21:26  
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
DATE 10/30/2015

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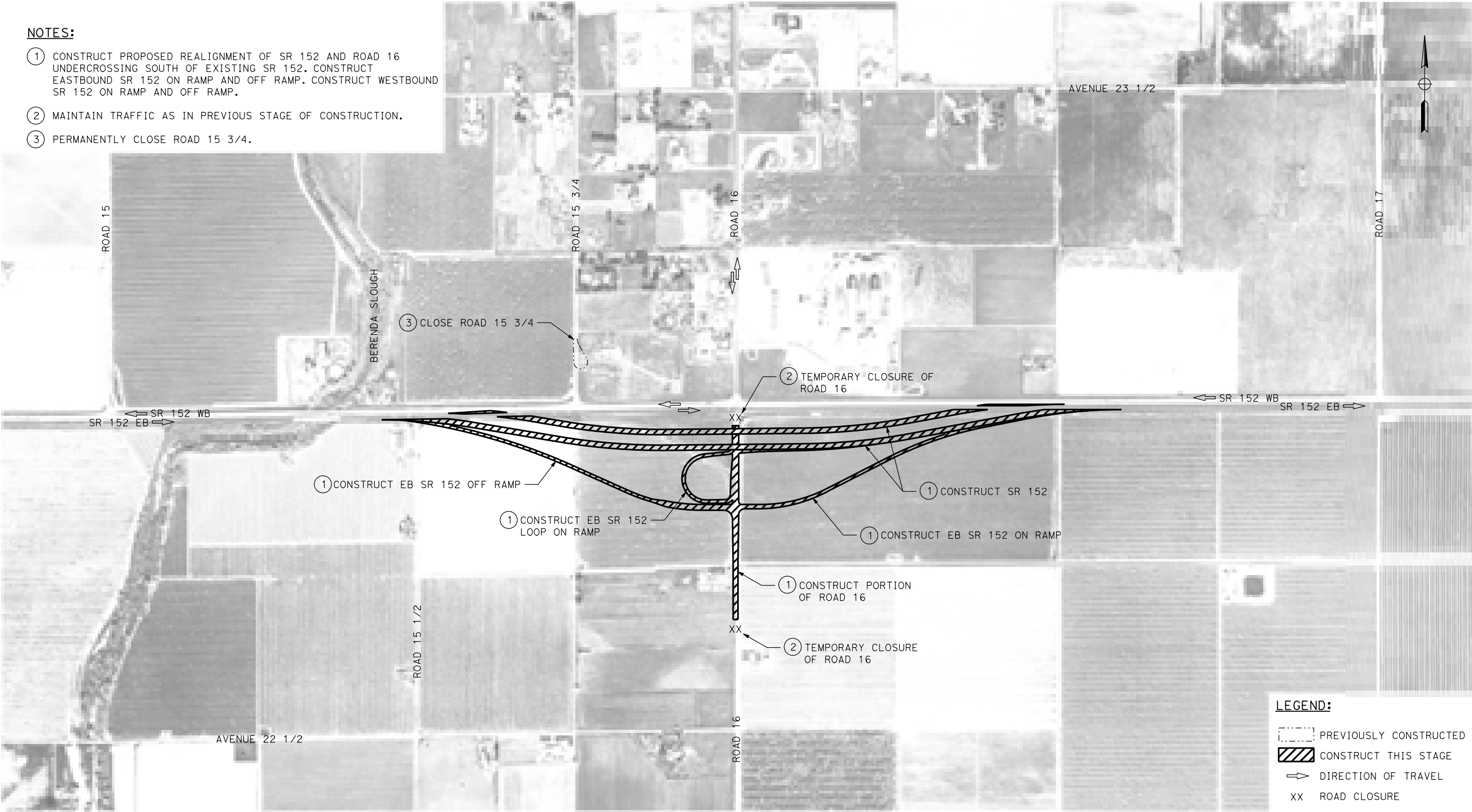
**NOT FOR**  
**CONSTRUCTION**



<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</div> <div>STAGE CONSTRUCTION PLAN</div> <div>ROAD 16/SR 152 STAGE 1 OF 4</div>	CONTRACT NO. HSR08-05
	DRAWING NO. CV-14230-A
	SCALE AS SHOWN
	SHEET NO.

NOTES:

- ① CONSTRUCT PROPOSED REALIGNMENT OF SR 152 AND ROAD 16 UNDERCROSSING SOUTH OF EXISTING SR 152. CONSTRUCT EASTBOUND SR 152 ON RAMP AND OFF RAMP. CONSTRUCT WESTBOUND SR 152 ON RAMP AND OFF RAMP.
- ② MAINTAIN TRAFFIC AS IN PREVIOUS STAGE OF CONSTRUCTION.
- ③ PERMANENTLY CLOSE ROAD 15 3/4.



PLAN

MF-CV-14231-A.dgn

09-MAR-2016 21:28

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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY J. RAY
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET  
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CONSTRUCTION



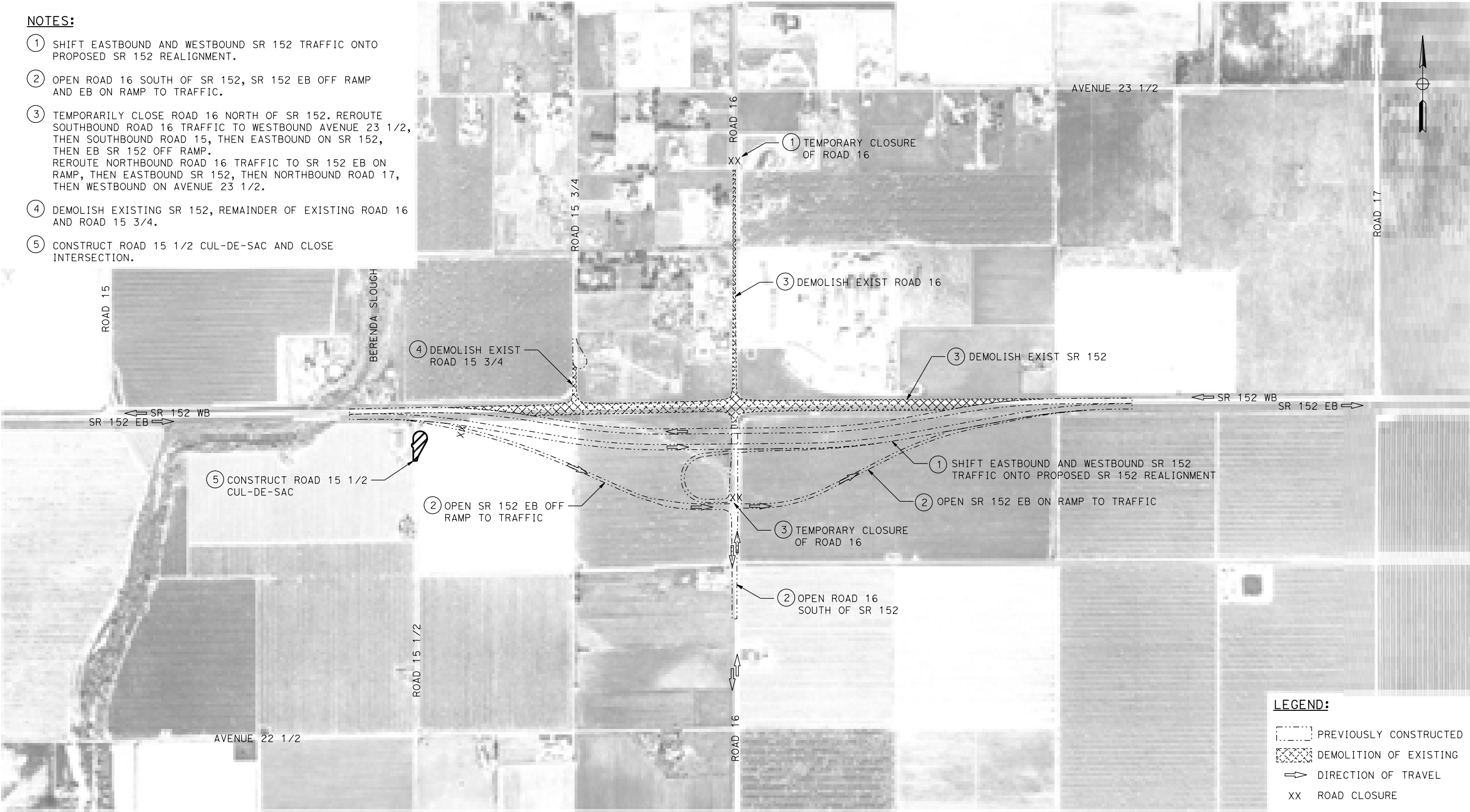
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 16/SR 152 STAGE 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-14231-A
SCALE AS SHOWN
SHEET NO.

NOTES:

- ① SHIFT EASTBOUND AND WESTBOUND SR 152 TRAFFIC ONTO PROPOSED SR 152 REALIGNMENT.
- ② OPEN ROAD 16 SOUTH OF SR 152, SR 152 EB OFF RAMP AND EB ON RAMP TO TRAFFIC.
- ③ TEMPORARILY CLOSE ROAD 16 NORTH OF SR 152. REROUTE SOUTHBOUND ROAD 16 TRAFFIC TO WESTBOUND AVENUE 23 1/2, THEN SOUTHBOUND ROAD 15, THEN EASTBOUND ON SR 152, THEN EB SR 152 OFF RAMP. REROUTE NORTHBOUND ROAD 16 TRAFFIC TO SR 152 EB ON RAMP, THEN EASTBOUND SR 152, THEN NORTHBOUND ROAD 17, THEN WESTBOUND ON AVENUE 23 1/2.
- ④ DEMOLISH EXISTING SR 152, REMAINDER OF EXISTING ROAD 16 AND ROAD 15 3/4.
- ⑤ CONSTRUCT ROAD 15 1/2 CUL-DE-SAC AND CLOSE INTERSECTION.



PLAN

09-MAR-2016 21:28 MF-CV-14232-A.dgn

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
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IN CHARGE C. LEMLEY
DATE 10/30/2015

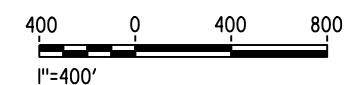
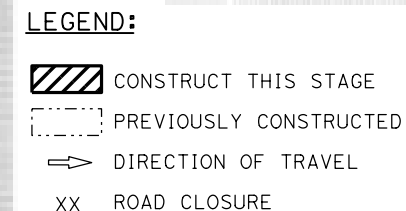
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 16/SR 152 STAGE 3 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-14232-A
SCALE AS SHOWN
SHEET NO.

- ① CONSTRUCT ROAD 16 UNDERPASS. CONSTRUCT WESTBOUND SR 152 ON RAMP AND OFF RAMP.
- ② MAINTAIN TRAFFIC AS IN PREVIOUS STAGE OF CONSTRUCTION.
- ③ DEMOLISH EXISTING ROAD 15 1/2.
- ④ UPON COMPLETION OF CONSTRUCTION OPEN REMAINDER OF INTERCHANGE TO TRAFFIC.



## PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY	A. GURA
CHECKED BY	J. RAY
IN CHARGE	C. LEMLEY
DATE	10/30/2015

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15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
STAGE CONSTRUCTION PLAN  
ROAD 16/SR 152 STAGE 4 OF 4

CONTRACT NO.	HSR08-05
DRAWING NO.	CV-I4233-A
SCALE	AS SHOWN
SHEET NO.	