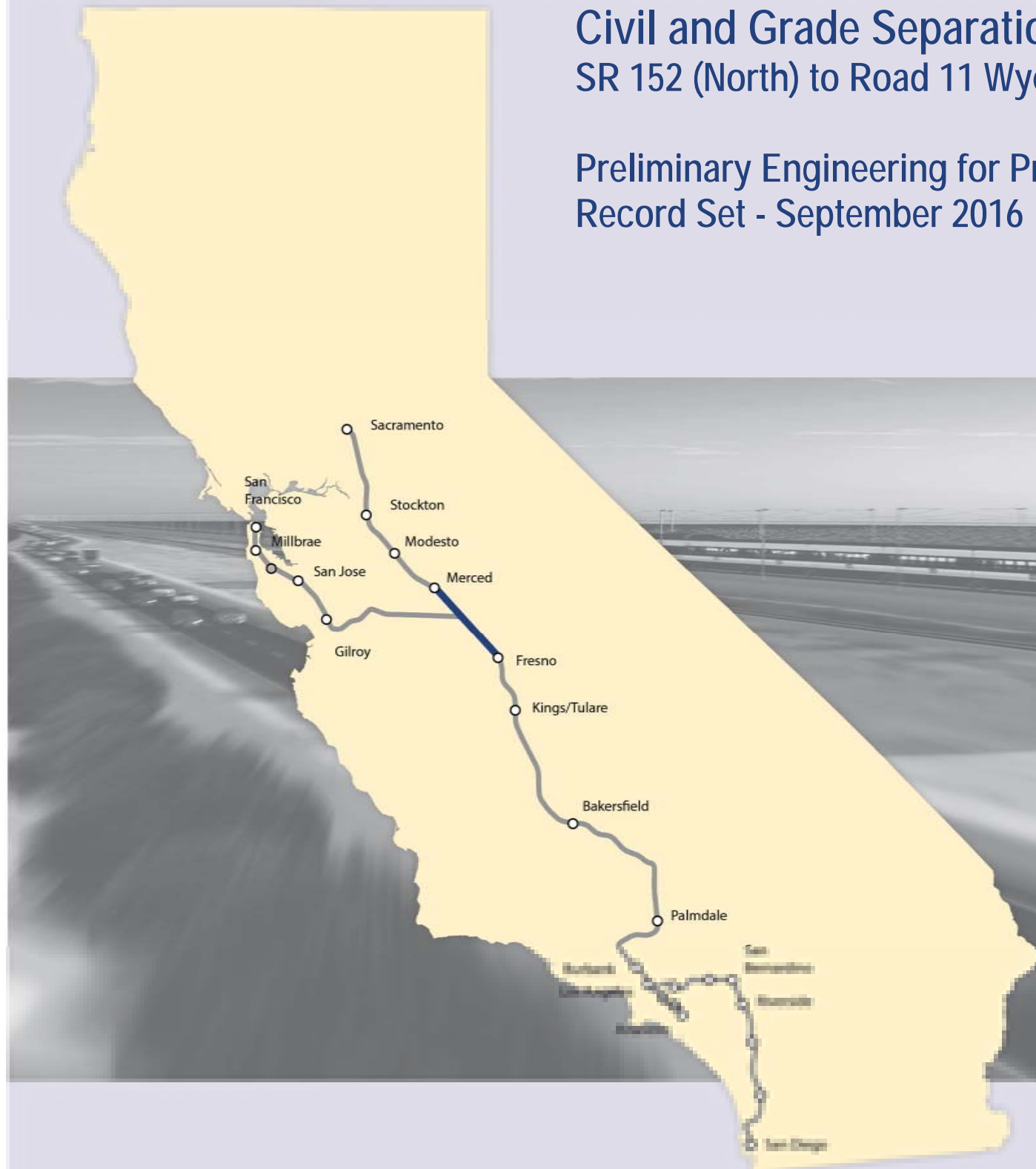


California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Civil and Grade Separation Plans (Book 4 of 4)
SR 152 (North) to Road 11 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



INDEX OF DRAWINGS				
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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
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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
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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
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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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
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NO SCALE
SHEET NO.

INDEX OF DRAWINGS

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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SHEET 2 OF 17

CONTRACT NO.
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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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CONTRACT NO.
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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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 4 OF 17

CONTRACT NO.
HSR08-05
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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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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

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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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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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
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

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S. WELLS
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CV-I4102-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 3 OF 4
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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE				
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

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CV-S1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5786+00 TO 5842+00
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

06-SEP-2016 3:59 MF-CV-B0012.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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 11 OF 17

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

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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.

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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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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CONTRACT NO.
HSR08-05
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NO SCALE
SHEET NO.

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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
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CONTRACT NO.
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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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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J. RAY
IN CHARGE
C. LEMLEY
DATE
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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DRAWING NO.
CV-B0016
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NO SCALE
SHEET NO.

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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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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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J. RAY
IN CHARGE
C. LEMLEY
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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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.

A

C

D CONTINUED

F CONTINUED

J CONTINUED

AB AGGREGATE BASE
 ABBC ASBESTOS BONDED BITUMINOUS COATED
 ABM AIR-BLOWN MORTAR
 ABN ABANDON
 ABUT ABUTMENT
 AC ASPHALT CONCRETE
 ACB ASPHALT CONCRETE BASE
 ACP ASBESTOS CEMENT PIPE
 ADL ADDED DEAD LOAD
 ADJ ADJUST
 AFES ALTERNATIVE FLARED END SECTION
 AHD AHEAD
 ALT ALTERNATE
 AM TIME FROM MIDNIGHT TO NOON
 AP ALTERNATIVE PIPE
 APC ALTERNATIVE PIPE CULVERT
 APPROX APPROXIMATE
 APU ALTERNATIVE PIPE UNDERDRAIN
 AR ACCESS RESTRICTION
 ARS ACCELERATION RESPONSE SPECTRUM
 AS AGGREGATE SUBBASE
 ASRP ALUMINUM SPIRAL RIB PIPE
 ASSY ASSEMBLY
 ATC AUTOMATIC TRAIN CONTROL
 ATPB ASPHALT TREATED PERMEABLE BASE
 ATPM ASPHALT TREATED PERMEABLE MATERIAL
 AUTHORITY CALIFORNIA HIGH-SPEED RAIL AUTHORITY
 AVE AVENUE
 AVG AVERAGE
 @ AT

CAA CABLE ANCHOR ASSEMBLY
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH
 CAS CONSTRUCTION AREA SIGN
 CB CONCRETE BARRIER
 CBW CONCRETE BLOCK WALL
 C-C CENTER TO CENTER
 CHSRA CALIFORNIA HIGH-SPEED RAIL
 CHSR CALIFORNIA HIGH-SPEED RAIL
 CHST CALIFORNIA HIGH-SPEED TRAIN
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST-IN-PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CHAIN LINK, CLASS
 CL-6 CHAIN LINK FENCE (6 FT)
 CLR CLEAR, CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT, CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER
 CP1 CONSTRUCTION PACKAGE 1
 CR CREEK
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
 CRSP CONCRETED ROCK SLOPE PROTECTION
 CRZ CLEAR RECOVERY ZONE
 CS CURVE SPIRAL POINT
 CSP CORRUGATED STEEL PIPE
 CSPA CORRUGATED STEEL PIPE ARCH
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CULV CULVERT
 @ CENTERLINE

DET DETAIL, DETOUR
 DF DOUGLAS FIR, DIRECT FIXATION
 DI DRAINAGE INLET, DROP INLET
 DIA DIAMETER
 DIAPH DIAPHRAGM
 DIST DISTANCE, DISTRICT
 DMBB DOUBLE METAL BEAM BARRIER
 DR DRIVE
 DTBB DOUBLE THRIE BEAM BARRIER
 DWY DRIVEWAY

E

E EAST
 EA ACTUAL SUPERELEVATION
 EASE EASEMENT
 EB END OF BRIDGE, EASTBOUND
 EC END HORIZONTAL CURVE
 ECR END CURB RETURN
 ED EDGE DRAIN
 EDC EDGE DRAIN CLEANOUT
 EDO EDGE DRAIN OUTLET
 EDV EDGE DRAIN VENT
 ELEC ELECTROLIER
 ELECT ELECTRIC
 ELEV ELEVATION
 EMB EMBANKMENT
 ENGR ENGINEER
 EOD EDGE OF DECK
 EP EDGE OF PAVEMENT
 EQ EQUATION
 ES EDGE OF SHOULDER
 ET END TUNNEL
 ETW EDGE OF TRAVELED WAY
 EU UNBALANCED SUPERELEVATION
 EVC END VERTICAL CURVE
 EW ENDWALL
 EXC EXCAVATION
 EXIST, (E) EXISTING
 EXP EXPANSION, EXPRESSWAY
 EXP JT EXPANSION JOINT
 EXT EXTERIOR

F

F & C FRAME AND COVER
 F & G FRAME AND GRATE
 FB FLOOR BEAM
 FDN FOUNDATION
 FEBT FACING EASTBOUND TRAFFIC
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE
 FH FIRE HYDRANT
 FIG FIGURE
 FL FLOW LINE

FNTB FACING NORTHBOUND TRAFFIC
 FOB FREE ON BOARD
 FOC FACE OF CONCRETE
 FR RD FRONTAGE ROAD
 FRE FRESNO
 FS FAR SIDE, FINISHED SURFACE
 FSBT FACING SOUTHBOUND TRAFFIC
 FTG FOOTING
 FWBT FACING WESTBOUND TRAFFIC
 FWY FREEWAY

G

G GRADE, ACCELERATION DUE TO GRAVITY
 GA GAGE
 GALV GALVANIZED
 GP GRADING PLANE
 GR GUARD RAILING
 GRDR GIRDER
 GSP GALVANIZED STEEL PIPE
 GTR GUTTER

H

H HEIGHT
 H, HR HOUR
 HD HORIZONTAL DRAIN
 HDWL HEADWALL
 HEX HD HEXAGONAL HEAD
 HMA HOT MIXED ASPHALT
 HORIZ HORIZONTAL
 HP HINGE POINT, HORSEPOWER
 HPS HIGH PERFORMANCE STEEL
 HS HIGH STRENGTH
 HSR HIGH-SPEED RAIL
 HST HIGH-SPEED TRAIN
 HW HEADWALL,
 100-YR HIGH WATER (UNLESS NOTED OTHERWISE)
 HWM HIGH WATER MARK
 HWY HIGHWAY

I

IB IMPORTED BORROW
 ID INSIDE DIAMETER
 IF INSIDE FACE
 INT INTERIOR
 INV INVERT
 IRR IRRIGATION
 IS INTERLOCKING SITE

J

JCT JUNCTION
 JP JOINT POLE
 JPCP JOINTED PLAIN CONCRETE PAVEMENT

JS JUNCTION STRUCTURE
 JT JOINT
 L LENGTH
 LAT LATITUDE
 LCB LEAN CONCRETE BASE
 LLT LAST LONG TIE
 LN LANE
 LOC LOCATION
 LOL LAYOUT LINE
 LONG LONGITUDE
 LONGIT LONGITUDINAL
 LS LUMP SUM, LENGTH OF SPIRAL
 LT LEFT
 LVC LENGTH OF VERTICAL CURVE

M

MAINT MAINTENANCE
 MAX MAXIMUM
 MB METAL BEAM
 MBB METAL BEAM BARRIER
 MBGR METAL BEAM GUARD RAILING
 MED MEDIAN
 MER MERCED
 MF MERCED TO FRESNO
 MH MANHOLE
 MIN MINIMUM
 MISC MISCELLANEOUS
 MISC I & S MISCELLANEOUS IRON AND STEEL
 MKR MARKER
 MOD MODIFIED, MODIFY
 MON MONUMENT
 MOW MAINTENANCE-OF-WAY FACILITY
 MP METAL PLATE
 MPGR METAL PLATE GUARD RAILING
 MPH MILES PER HOUR
 MR MOVEMENT RATING
 MSE MECHANICALLY STABILIZED EARTH
 MTL MATERIAL

N

N NORTH
 NB NORTHBOUND
 NC NORMAL CROWN
 NIC NOT IN CONTRACT
 NO. NUMBER (MUST HAVE PERIOD)
 NOS. NUMBERS (MUST HAVE PERIOD)
 NPS NOMINAL PIPE SIZE
 NS NEAR SIDE
 NTS NOT TO SCALE

O

OBLR OBLITERATE

p0021811 1:5-AUG-2016 2:49 MF-CV-B0020.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
 DRAWN BY
W. JOHNSEN
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C. LEMLEY
 DATE
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 CIVIL AND GRADE SEPARATION PLANS
 ABBREVIATIONS
 SHEET 1 OF 2

CONTRACT NO.
HSR08-05
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CV-B0020
 SCALE
NO SCALE
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O CONTINUED

OC OVERCROSSING
 OCS OVERHEAD CONTACT SYSTEM
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 OG ORIGINAL GROUND
 OGAC OPEN GRADED ASPHALT CONCRETE
 OH OVERHEAD
 O-O OUT TO OUT
 OPP OPPOSITE

P

P PAGE
 PAP PERFORATED ALUMINUM PIPE
 PB PULL BOX, PHASE BREAK
 PC POINT OF CURVATURE, PRECAST
 PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
 PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
 PCVC POINT OF COMPOUND VERTICAL CURVE
 PED PEDESTRIAN
 PED OC PEDESTRIAN OVERCROSSING
 PED UC PEDESTRIAN UNDERCROSSING
 PERM MTL PERMEABLE MATERIAL
 PG PROFILE GRADE
 PG&E PACIFIC GAS AND ELECTRIC
 PI POINT OF INTERSECTION
 PITO POINT OF INTERSECTION TURNOUT
 PJP PARTIAL JOINT PENETRATION
 PL, PL PLATE
 P/L PROPERTY LINE
 PM POST MILE,
 TIME FROM NOON TO MIDNIGHT
 PN PAVING NOTCH
 POB POINT OF BEGINNING
 POC POINT OF HORIZONTAL CURVE
 POE POINT OF END
 POT POINT OF TANGENT
 POVC POINT OF VERTICAL CURVE
 PP PIPE PILE, PLASTIC PIPE, POWER POLE
 PPL PREFORMED PERMEABLE LINER
 PPP PERFORATED PLASTIC PIPE
 PRC POINT OF REVERSE CURVE
 PRF PAVEMENT REINFORCING FABRIC
 PRVC POINT OF REVERSE VERTICAL CURVE
 PS&E PLANS, SPECIFICATIONS AND ESTIMATES
 PS, P/S POINT OF SWITCH, PRESTRESSED, PARALLELING STATION
 PSP PERFORATED STEEL PIPE
 PT POINT OF TANGENCY
 PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE

P CONTINUED

PVI POINT OF VERTICAL INTERSECTION
 PVMT PAVEMENT
 PVT POINT OF VERTICAL TANGENT

Q

QTY QUANTITY

R

R RADIUS
 R & D REMOVE AND DISPOSE
 R & S REMOVE AND SALVAGE
 R/C RATE OF CHANGE
 RCA REINFORCED CONCRETE ARCH
 RCB REINFORCED CONCRETE BOX
 RCP REINFORCED CONCRETE PIPE
 RCPA REINFORCED CONCRETE PIPE ARCH
 RD ROAD
 REINF REINFORCED, REINFORCEMENT, REINFORCING
 REL RELOCATE
 REPL REPLACEMENT
 RET RETAINING
 REV REVISED
 RDWY ROADWAY
 RM ROAD-MIXED
 RP RADIUS POINT, REFERENCE POINT
 RR RAILROAD
 RSP ROCK SLOPE PROTECTION
 RT RIGHT
 RTE ROUTE
 RW REDWOOD, RETAINING WALL
 R/W RIGHT-OF-WAY
 RWY RAILWAY

S

S SOUTH, SUPPLEMENT
 SAE STRUCTURE APPROACH EMBANKMENT
 SALV SALVAGE
 SAPP STRUCTURAL ALUMINUM PLATE PIPE
 SB SOUTHBOUND
 SC SAND CUSHION, SPIRAL CURVE POINT
 SCSP SLOTTED CORRUGATED STEEL PIPE
 SD STORM DRAIN
 SEC SECOND, SECTION
 SEP SEPARATION
 SG SUBGRADE
 SHLD SHOULDER
 SHT SHEET
 SIM SIMILAR
 SJD SAN JOSE DIRIDON STATION

S CONTINUED

SJM SAN JOSE TO MERCED
 SJV SAN JOAQUIN VALLEY
 S STATION LINE
 SM SELECTED MATERIAL
 SPEC SPECIAL, SPECIFICATIONS
 SPP SLOTTED PLASTIC PIPE
 SR STATE ROUTE
 SRS STANDALONE RADIO SITE
 SS SLOPE STAKE, SUBSTATION
 SSBM STRAP AND SADDLE BRACKET METHOD
 SSD STRUCTURAL SECTION DRAIN
 SSPA STRUCTURAL STEEL PLATE ARCH
 SSPP STRUCTURAL STEEL PLATE PIPE
 SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
 SSRP STEEL SPIRAL RIB PIPE
 ST STREET, SPIRAL TANGENT POINT
 STA STATION
 STBB SINGLE THRIE BEAM BARRIER
 STD STANDARD
 STR STRUCTURE
 SURF SURFACING
 SW SIDEWALK, SOUND WALL
 SWR SEWER
 SWS SWITCHING STATION
 SYM SYMMETRICAL
 S4S SURFACE 4 SIDES

T

T SEMI-TANGENT
 TAB TABLET
 TAN TANGENT
 TBB THRIE BEAM BARRIER
 TBD TO BE DETERMINED
 TBR TIMBER
 TC TOP OF CURB, TRAIN CONTROL
 TCB TRAFFIC CONTROL BOX
 TCE TEMPORARY CONSTRUCTION EASEMENT
 TEL TELEPHONE
 TEMP TEMPORARY
 TG TOP OF GRADE
 TM TECHNICAL MEMORANDUM
 TO TURNOUT
 TOT TOTAL
 TP TELEPHONE POLE
 TPB TREATED PERMEABLE BASE
 TPF TRACTION POWER FACILITY
 TPM TREATED PERMEABLE MATERIAL
 TPSS TRACTION POWER SUBSTATION
 T/R TOP OF RAIL
 TRANS TRANSITION
 TRK TRACK

T CONTINUED

TS TRANSVERSE, TRAFFIC SIGNAL,
 TUBULAR STEEL, TANGENT SPIRAL POINT
 TYP TYPICAL

U

UC UNDERCROSSING
 UD UNDERDRAIN
 UON UNLESS OTHERWISE NOTED
 UP UNDERPASS
 UPRR UNION PACIFIC RAILROAD
 UXO UNIVERSAL CROSSOVER

V

V DESIGN SPEED, VALVE
 VAR VARIABLE
 VC VERTICAL CURVE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VIA VIADUCT
 VOL VOLUME

W

W WEST, WIDTH
 WB WESTBOUND
 WCB WORLD COORDINATE BEARING
 WH WEEP HOLE
 WM WIRE MESH
 WS WATER SURFACE
 WSP WELDED STEEL PIPE
 WT WEIGHT
 WV WATER VALVE
 WW WINGWALL
 WWLWL WINGWALL LAYOUT LINE

X

X SEC CROSS SECTION
 XING CROSSING
 XO CROSSOVER

Y

YR YEAR
 YRS YEARS

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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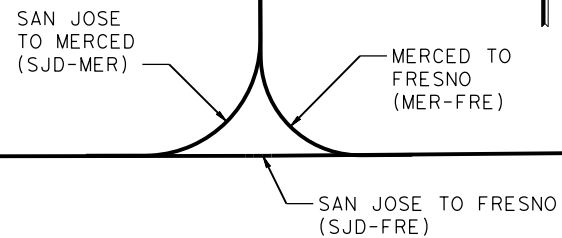
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 CIVIL AND GRADE SEPARATION PLANS
 ABBREVIATIONS
 SHEET 2 OF 2

CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-B0021
 SCALE
NO SCALE
 SHEET NO.

WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

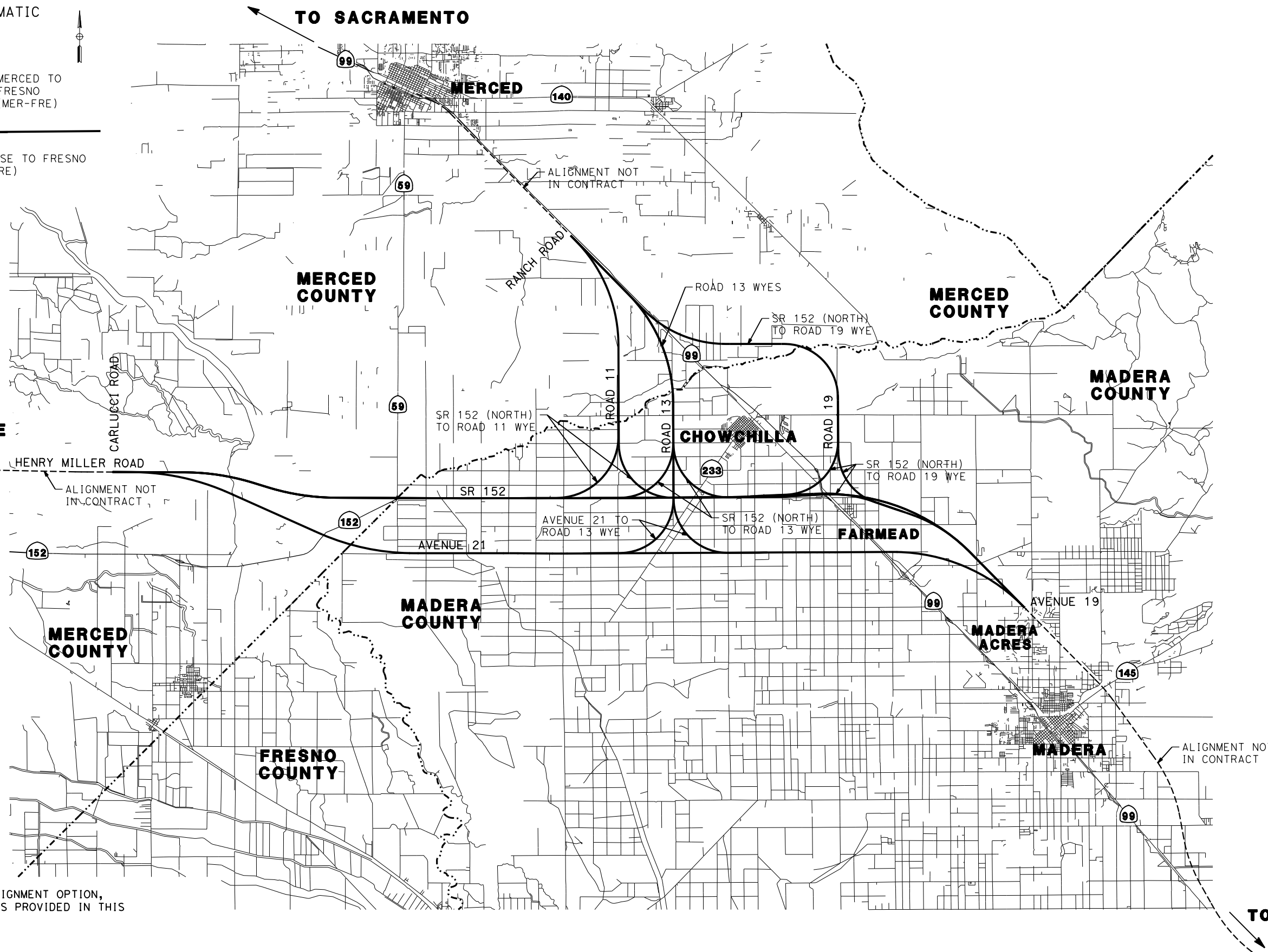
TO SACRAMENTO

HENRY MILLER ROAD
ALIGNMENT NOT IN CONTRACT

ALIGNMENT NOT IN CONTRACT

ALIGNMENT NOT IN CONTRACT

TO FRESNO



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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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**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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

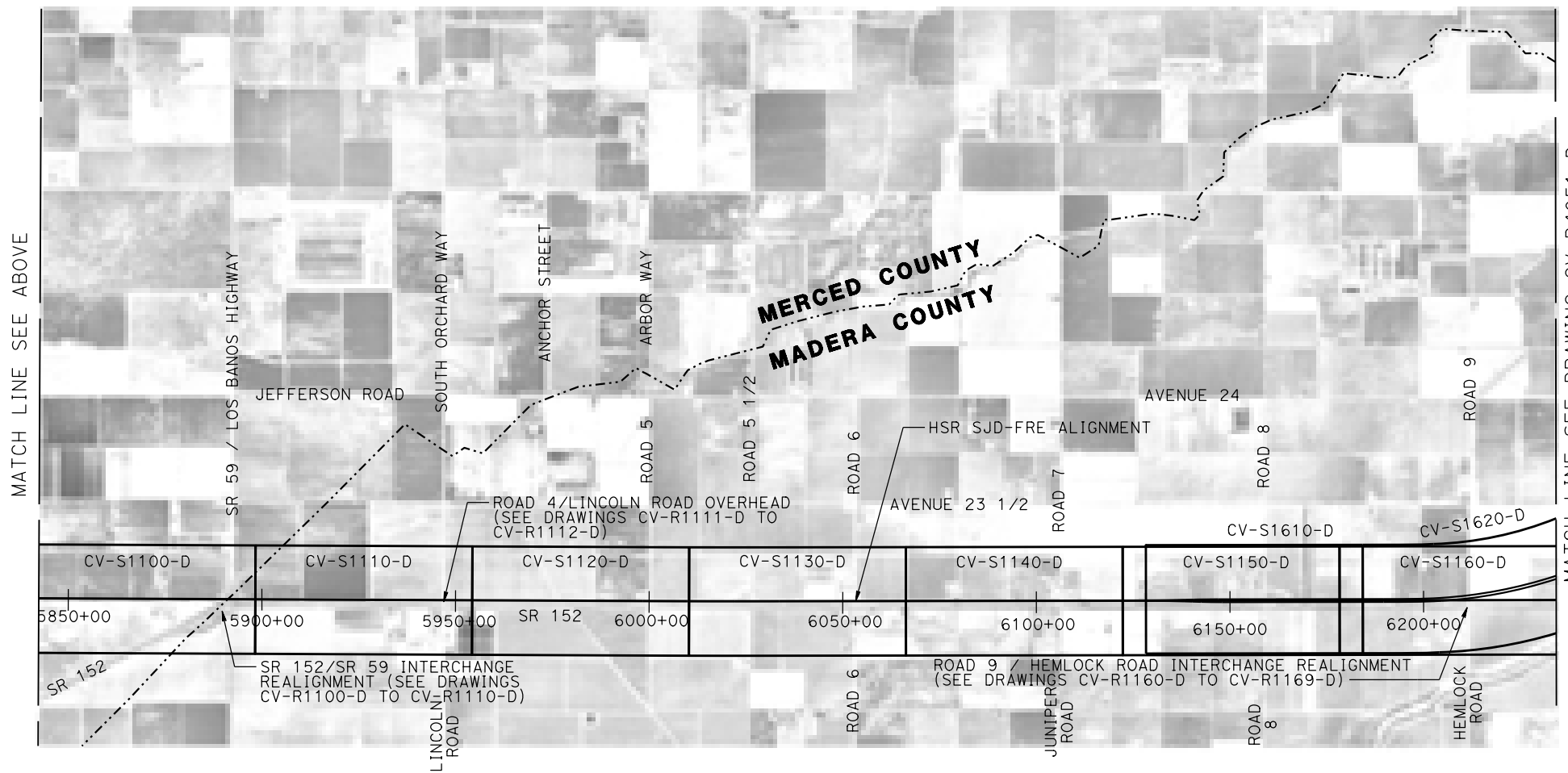
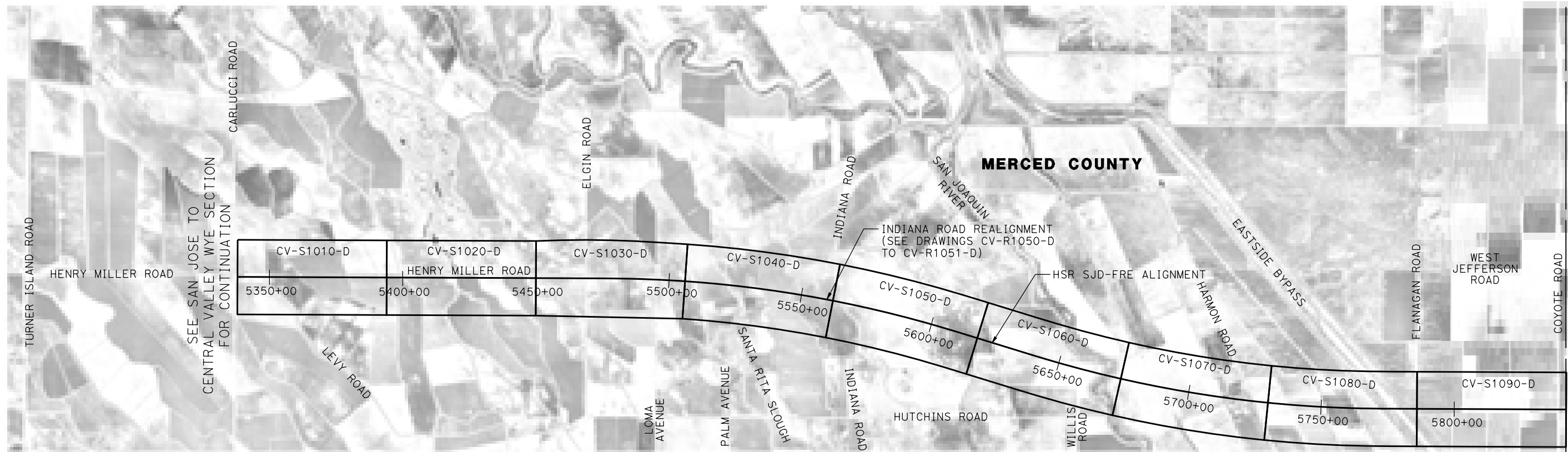
CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
GENERAL NOTES

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B0030

SCALE
NO SCALE

SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

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S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

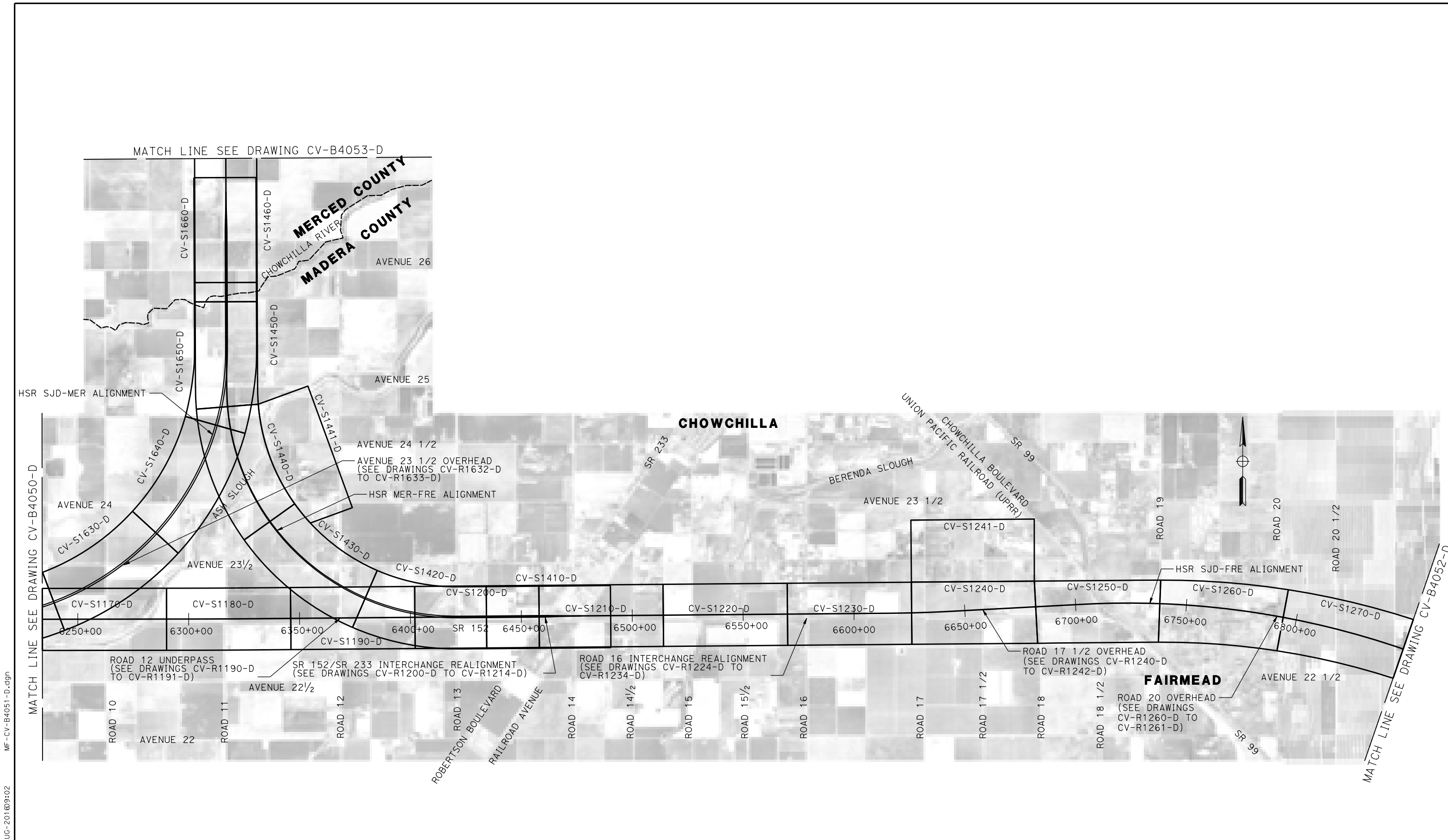
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4050-D

SCALE
NTS

SHEET NO.



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 09-AUG-2016 09:02
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W. JOHNSEN
 CHECKED BY
S. ARNOLD
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C. LEMLEY
 DATE
08/12/2016

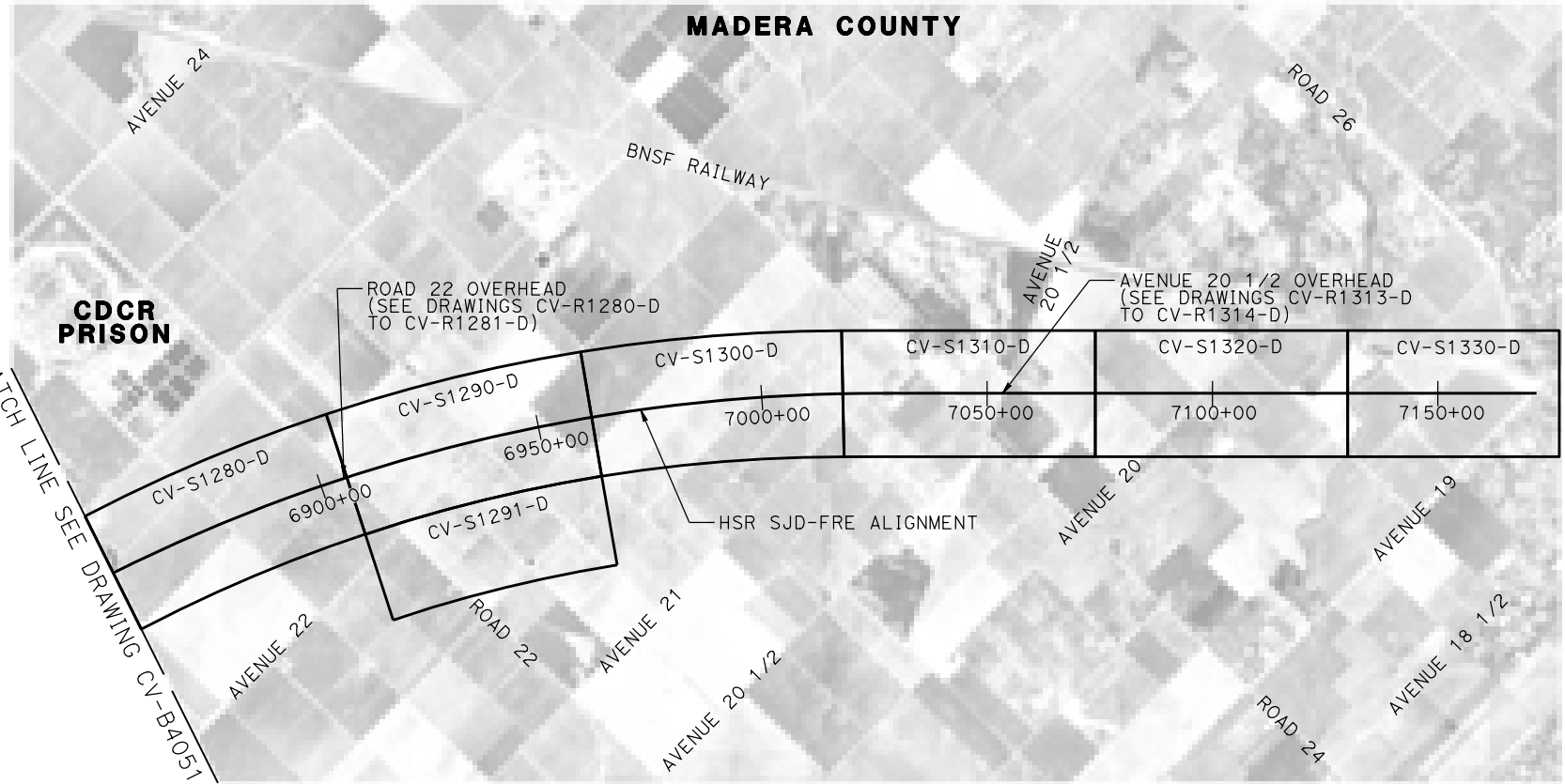
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 KEY MAP
 SHEET 2 OF 4

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



MATCH LINE SEE DRAWING CV-B4051-D

SEE CP1 FOR CONTINUATION

09-AUG-2016 09:03 MF-CV-B4052-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 3 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4052-D

SCALE
NTS

SHEET NO.

p0042226 09-AUG-2016 09:04 MF-CV-B4053-D.dgn

SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 4 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4053-D

SCALE
NTS

SHEET NO.

09-AUG-2016 08:57 MF-CV-B0060-D.dgn

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
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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 1 OF 6

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B0060-D

SCALE
NO SCALE

SHEET NO.

09-AUG-2016 08:57 MF-CV-B0061-D.dgn

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			
		EASTING	6594950.11	6595250.74	6595595.65	6595583.77						
ROAD 9/SR 152 EB ON RAMP "EB ON RAMP"	162-01	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			
		EASTING	6595983.41	6596286.03	6595983.41	6596564.98						
	162-02	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

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DRAWN BY
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CHECKED BY
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DATE
08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 2 OF 6

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

MF-CV-B0062-D.dgn
 22-NOV-2016 16:51:08
 P0021811

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

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 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
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 SHEET 3 OF 6

CONTRACT NO.
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 CV-B0062-D
 SCALE
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 SHEET NO.

MF-CV-B0063-D.dgn
 22-NOV-2016 16:51:10
 P0021811

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	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						
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						
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						

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
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 GEOMETRY DATA TABLE
 SHEET 4 OF 6

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

p0021811 22-NOV-2016 5:12 MF-CV-B0064-D.dgn

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 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						
	233-02	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						
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						

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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 5 OF 6

CONTRACT NO.
HSR05-05

DRAWING NO.
CV-B0064-D

SCALE
NO SCALE

SHEET NO.

17-NOV-2016 09:22 MF-CV-B0065-D.dgn

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)	
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						
ATHLONE ROAD "ATHLONE RD"	490-01	STATION	10+47.64	11+88.56		13+26.83	883.00	19°12'13"	6°52'42"	279.19	140.92	
		NORTHING	1890129.09	1890270.01	1890129.09	1890403.09			LEFT			
		EASTING	6605546.84	6605546.84	6604713.84	660550.49						
	490-02	STATION	35+72.76	37+12.01		38+48.72	883.00	18°58'53"	6°52'42"	275.96	139.26	
		NORTHING	1892524.04	1892655.55	1892798.04	1892794.81			RIGHT			
		EASTING	6604761.75	6604715.94	6605548.39	6604715.40						
ROAD 10 "RD 10"	630-01	STATION	72+00.00	77+52.59		80+66.52	550.00	90°16'07"	10°25'03"	866.52	552.59	
		NORTHING	1854317.60	1854870.18	1854320.18	1854870.18			RIGHT			
		EASTING	6601027.69	6601025.09	6601577.68	6601577.68						
	630-02	STATION	89+13.19	94+65.36		97+79.30	550.00	90°13'32"	10°25'03"	866.10	552.17	
		NORTHING	1854870.18	1854870.18	1855420.18	1855422.34			LEFT			
		EASTING	6602424.36	6602976.53	6602424.36	6602974.35						
AVENUE 23 1/2 "AVE 23 1/2"	631-01	STATION	59+27.08	60+68.67		62+10.23	8,000.00	2°01'41"	0°42'58"	283.15	141.59	
		NORTHING	1855494.02	1855494.58	1863493.96	1855500.15			LEFT			
		EASTING	6603401.15	6603542.74	6603369.65	6603684.23						
ROAD 11 "RD 11"	650-01	STATION	21+12.14	23+63.43		25+83.56	550.00	49°06'35"	10°25'03"	471.42	251.29	
		NORTHING	1862111.14	1862362.42	1862111.14	1862526.92			LEFT			
		EASTING	6606272.65	6606272.65	6605722.65	6606082.69						
	650-02	STATION	29+86.46	32+36.52		34+55.85	550.00	48°53'52"	10°25'03"	469.39	250.06	
		NORTHING	1862790.67	1862954.36	1863206.45	1863204.41			RIGHT			
		EASTING	6605778.11	6605589.07	6606138.15	6605588.15						
	650-03	STATION	38+85.82	41+50.06		43+78.48	550.00	51°19'20"	10°25'03"	492.66	264.24	
		NORTHING	1863634.38	1863898.62	1863636.41	1864064.51			RIGHT			
		EASTING	6605586.56	6605585.58	6606136.56	6605791.25						
	650-04	STATION	47+22.08	49+87.29		52+16.32	550.00	51°29'14"	10°25'03"	494.24	265.21	
		NORTHING	1864280.23	1864446.74	1864708.33	1864711.94			LEFT			
		EASTING	6606058.70	6606265.13	6605713.39	6606263.38						

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11/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 6 OF 6

CONTRACT NO.
HSR05-05

DRAWING NO.
CV-B0065-D

SCALE
NO SCALE

SHEET NO.

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-D to CV-S1090-D
	JVC-3	Electric Overhead	70 KV, west side of Road 4 / Lincoln Road	5945+70		CV-S1110-D
	WYH-1	Electric Overhead	115 KV, east side of Road 11	6315+85		CV-S1180-D
				36359+50		CV-S1650-D
	WYH-2	Electric Overhead	115 KV, west side of Road 13	6420+35		CV-S1200-D
	WYH-7	Electric Overhead	230 KV	15065+55		CV-S1420-D
	WYH-16	Electric Overhead	115 KV, north side of Sandy Mush Road	6883+50 to 6930+85		CV-S1280-D to CV-S1290-D
Natural Gas Line	G30	Natural Gas	12", west side of UPRR	15626+00 to 15655+00	High Risk	CV-S1520-D
	G52	Natural Gas	8" line on west side of Fairmead Blvd	6718+10		CV-S1250-D
	G51	Natural Gas	12" line on west side of Fairmead Blvd	6718+25		CV-S1250-D
	WYH-8	Natural Gas	4" feeder main on west side of Road 22	6905+20		CV-S1280-D to CV-S1291-D
	WYH-8	Natural Gas	4" feeder main on north side of Avenue 22	6938+90		CV-S1290-D
	G4	Natural Gas	4" feeder line at unknown location on west side of Road 4 (Lincoln Rd)	5946+35		CV-S1110-D
	JVC-8	Challenger Pipeline	8-inch, high pressure natural gas gathering steel line on east side of Harmon Road.	5724+30		CV-S1070-D
Petroleum Products	P2	Petroleum	12.75" OD 0.219" WT X-60 high pressure, east side of UPRR ROW	6717+85	High Risk	CV-S1250-D
Water Infrastructure	JVC-65	Irrigation Ditch #40	Unknown flow, irrigation infrastructure	5348+00	Low Risk	CV-S1010-D
	JVC-66	West San Juan Drain No. 1	Max flow - 20 cfs, irrigation infrastructure	5361+10		CV-S1010-D
	JVC-137	Irrigation Ditch #41	Unknown flow, irrigation infrastructure	5378+70		CV-S1010-D
	JVC-38	Irrigation Ditch #42		5391+70		CV-S1010-D
	JVC-39	San Juan Canal	Max flow - 80 cfs, irrigation infrastructure	5399+50		CV-S1020-D
	JVC-40	San Juan Drain	Unknown flow, irrigation infrastructure	5419+00		CV-S1020-D
	JVC-85	Irrigation Ditch #43	Max flow - 80 cfs, irrigation infrastructure	5427+90		CV-S1020-D

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.

09-AUG-2016 08:59 MF-CV-B0070-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
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W. JOHNSON
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 1 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-B0070-D
SCALE
NO SCALE
SHEET NO.

09-AUG-2016 08:59 MF-CV-B0071-D.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-D
	JVC-42	West Santa Rita Drain		5446+30		CV-S1020-D
	JVC-67	Drain No. 2		5494+60		CV-S1030-D
	JVC-68	Escano Branch Ditch		5496+90		CV-S1030-D
	JVC-138	Drain No. 3		5509+15		CV-S1040-D
	JVC-45	Orchard Ditch		5521+70		CV-S1040-D
	JVC-70	Santa Rita Slough		5522+75		CV-S1040-D
	JVC-71	Santa Rita Drain No. 1		5527+90		CV-S1040-D
	JVC-72	Drain No. 4		5535+55		CV-S1040-D
	JVC-73	Santa Rita Drain No. 1A		5544+75		CV-S1040-D
	JVC-86	Drain No. 5		5564+20		CV-S1050-D
	JVC-88	Santa Rita Ditch		5564+75		CV-S1050-D
	JVC-87	Island Field Drain		5573+20		CV-S1050-D
	JVC-12	Lucerne Ditch		5594+40		CV-S1050-D
	JVC-148	Historical Wood Slough	5596+00 to 5596+75	CV-S1050-D		
	JVC-13	Wood Slough	5623+55	CV-S1060-D		
	JVC-147	Irrigation Ditch #57	5646+00	CV-S1060-D		
	JVC-74	Riverside Canal	Max flow - 40 cfs, irrigation infrastructure	5666+55		CV-S1060-D
	JVC-98	San Joaquin River	N/A	5567+20 to 5570+40		CV-S1060-D
	JVC-101A	Irrigation Ditch #59		5676+40		CV-S1070-D
	JVC-101	Mariposa Slough		5685+85		CV-S1070-D
	JVC-15A	Irrigation Ditch #48		5771+70		CV-S1080-D
JVC-15	Eastside Bypass	5772+10 to 5783+85		CV-S1080-D		
JVC-15B	Irrigation Ditch #49	5783+90		CV-S1080-D		
JVC-46	Chowchilla Canal	Unknown flow, concrete lined irrigation infrastructure		5976+00	CV-S1120-D	
JVC-77	Ash Slough	N/A		6276+40 to 6282+40	CV-S1170-D	

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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 2 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-B0071-D
SCALE
NO SCALE
SHEET NO.

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-D
	JVC-82	Bethel Canal	Max flow - 40 cfs, irrigation infrastructure	6406+55		CV-S1200-D
	JVC-133	Berenda Canal	Max flow - 875 cfs, irrigation infrastructure	15079+50		CV-S1420-D
	JVC-120	Berenda Pipeline	42" M.C.P., Unknown flow, buried irrigation infrastructure, east side of Road 15	6478+40		CV-S1210-D
	JVC-111	Berenda Slough	N/A	6526+85		CV-S1220-D
	JVC-113	Califa Canal	Unknown flow, irrigation infrastructure	6544+00 to 6547+65		CV-S1220-D
	WYH-17	Lat 32.2	Max flow - 600 cfs, irrigation infrastructure	6737+80		CV-S1250-D
	JVC-130	Berenda Creek	N/A	6876+70		CV-S1280-D
	JVC-129	24.2-8.9-1.0	Max flow - 320 cfs, irrigation infrastructure	7011+10 to 7011+55		CV-S1300-D
	JVC-143	24.2-8.9	Unknown flow, irrigation infrastructure	7098+35		CV-S1320-D
	JVC-134	Dry Creek	N/A	7117+00		CV-S1320-D
	JVC-131	24.2	Max flow - 990 cfs, irrigation infrastructure	7129+75 to 7130+60		CV-S1320-D to CV-S1330-D
	JVC-106	Ash Main Canal	Unknown flow, irrigation infrastructure	7168+00		CV-S1330-D
	JVC-106A	Tarabini Pipeline	Unknown flow, irrigation infrastructure	15185+60		CV-S1440-D
	JVC-106A	Tarabini Pipeline	Unknown flow, irrigation infrastructure	36266+00		CV-S1630-D
JVC-77	Ash Slough	N/A	36312+40	CV-S1640-D		
				15183+00 to 15185+00	CV-S1440-D	

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09-AUG-2016 09:00 MF-CV-B0072-D.dgn

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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 3 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-B0072-D
SCALE
NO SCALE
SHEET NO.

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-107	Chowchilla River	N/A	15268+60 to 15269+40	Low Risk	CV-S1450-D
				36409+20 to 36410+00		CV-S1660-D
	JVC-107A	Chowchilla River Pipeline B	Unknown flow, irrigation infrastructure	15255+75		CV-S1450-D
				36396+40		CV-S1650-D
	JVC-107B	Justin Canal	Unknown flow, irrigation infrastructure	15215+70		CV-S1440-D
				36356+20		CV-S1650-D
	JVC-108	Lat 4	Max flow - 600 cfs, irrigation infrastructure	15295+10		CV-S1460-D
				36435+75		CV-S1660-D
	JVC-145	Lat 3	Max flow - 600 cfs, irrigation infrastructure	15388+75		CV-S1480-D
	JVC-145A	Unnamed Canal	Unknown flow, irrigation infrastructure	15415+40		CV-S1480-D
JVC-109	Lat 2	Max flow - 600 cfs, irrigation infrastructure, south side of Cross Road	15441+65	CV-S1480-D		
JVC-110	Dutchman Creek	N/A	15481+50	CV-S1490-D		
JVC-105	Deadman's Creek	N/A	15577+30 15582+50	CV-S1510-D		
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-D
	T99	Fiber Optic	Buried cable, north side of Avenue 25	15229+40		CV-S1450-D
				36370+00		CV-S1650-D
	F9	Fiber Optic	Underground 2-2"HDPE, west side of UPRR	6717+45		CV-S1250-D
	F11	Fiber Optic	Underground telephone, west side of UPRR	6717+70		CV-S1250-D
	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-D
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-D		

NOTES:

1. ALL CONFLICTS ARE TRANSVERSE UNLESS OTHERWISE NOTED. ALL PIPE SIZES ARE SHOWN IN INCHES IN DIAMETER.
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.

09-AUG-2016 09:00 MF-CV-B0073-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

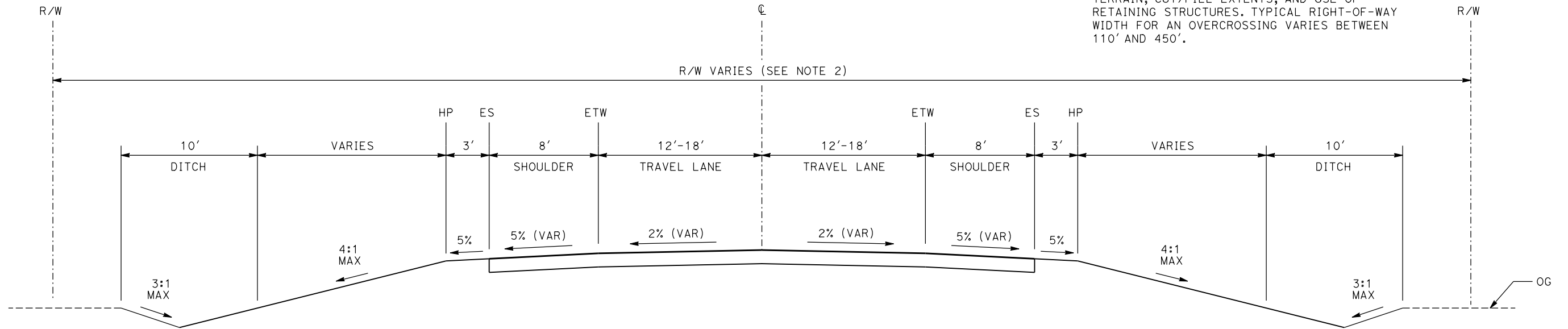


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 4 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-B0073-D
SCALE
NO SCALE
SHEET NO.

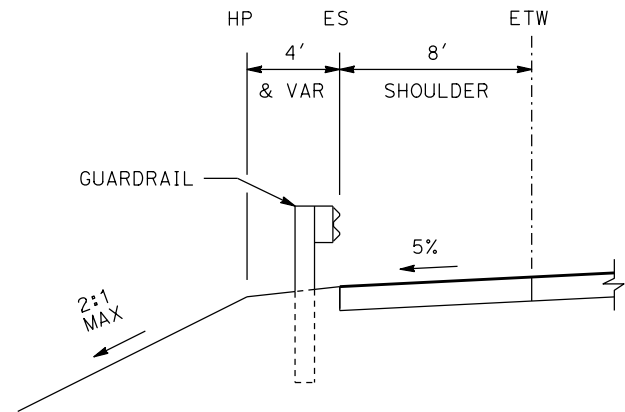
NOTES:

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 RIGHT-OF-WAY WIDTH FOR AN OVERCROSSING VARIES BETWEEN 110' AND 450'.



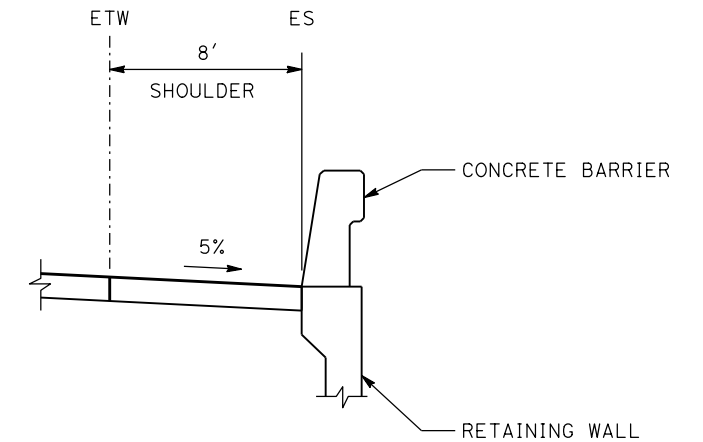
TYPICAL SECTION

- COUNTY ROADWAY OR STATE HIGHWAY
- "HENRY MILLER RD" LINE
 - "INDIANA RD" LINE
 - "COYOTE RD" LINE
 - "RD 4/LINCOLN RD" LINE
 - "SR 233/ROBERTSON BLVD" LINE
 - "RD 17 1/2" LINE
 - "FAIR BOULEVARD" LINE
 - "RD 20" LINE
 - "RD 22" LINE
 - "AVE 22" LINE
 - "ROAD 24" LINE
 - "AVE 20 1/2" LINE
 - "AVE 20" LINE
 - "ATHLONE RD" LINE
 - "RD 10" LINE
 - "RD 11" LINE
 - "AVE 23 1/2" LINE



TYPICAL SECTION

AT STRUCTURE APPROACH



TYPICAL SECTION

AT RETAINED FILL

12-AUG-2016 16:33:48 MF-CV-B0080-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

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W. JOHNSEN

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
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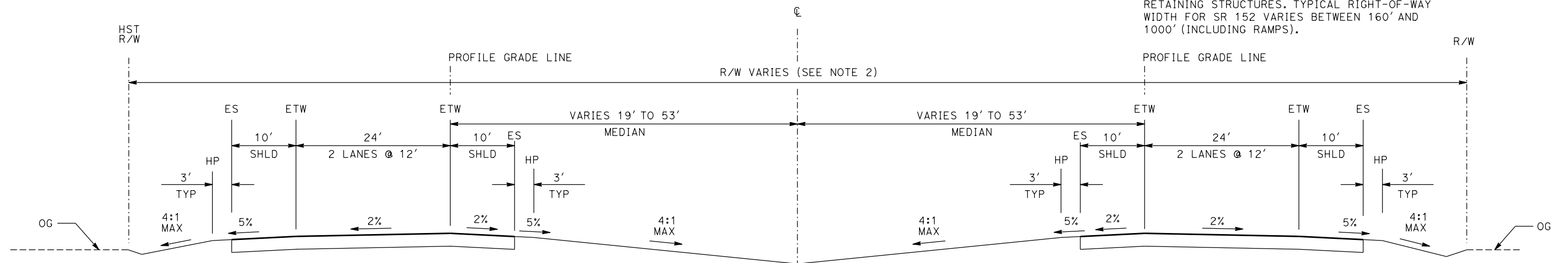
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 3

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

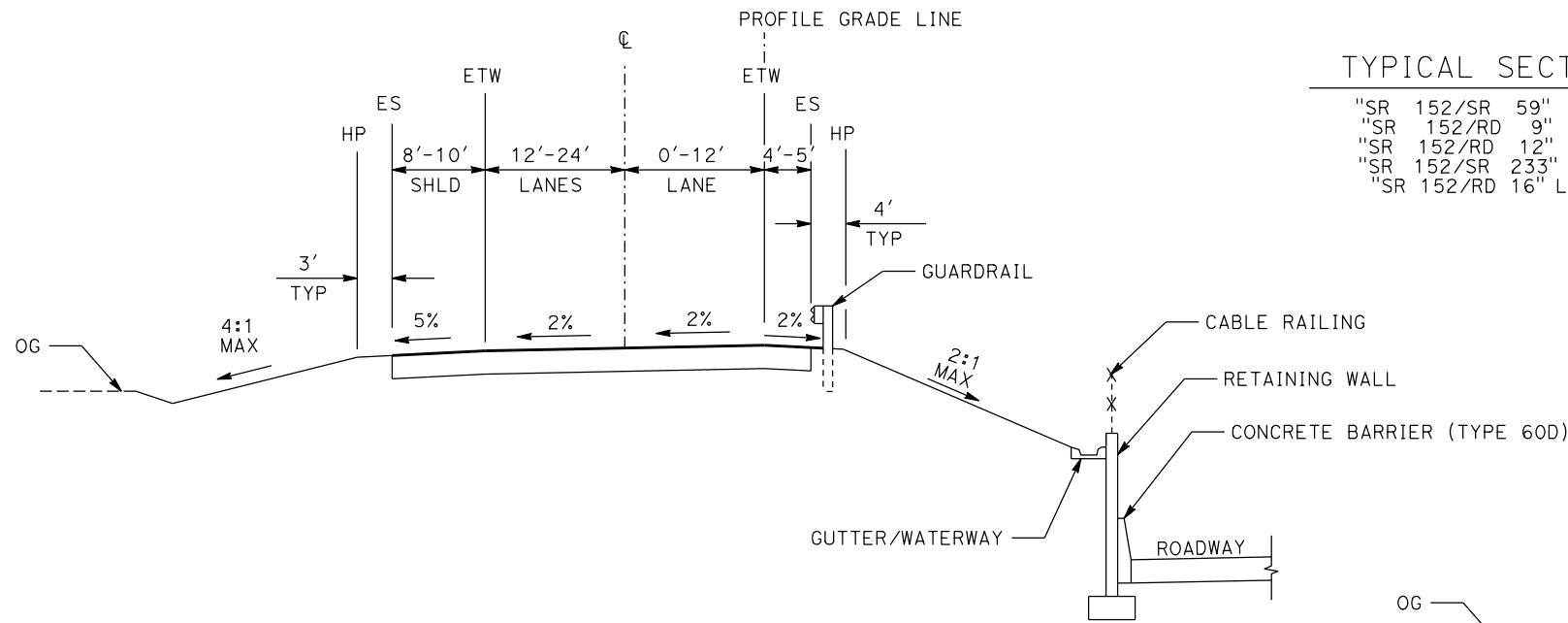
NOTES:

1. THE DITCH FLOWLINE SHOULD BE LOWER THAN THE ROADWAY STRUCTURAL SECTION.
2. RIGHT-OF-WAY REQUIRED WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, CUT/FILL EXTENTS, AND USE OF RETAINING STRUCTURES. TYPICAL RIGHT-OF-WAY WIDTH FOR SR 152 VARIES BETWEEN 160' AND 1000' (INCLUDING RAMPS).



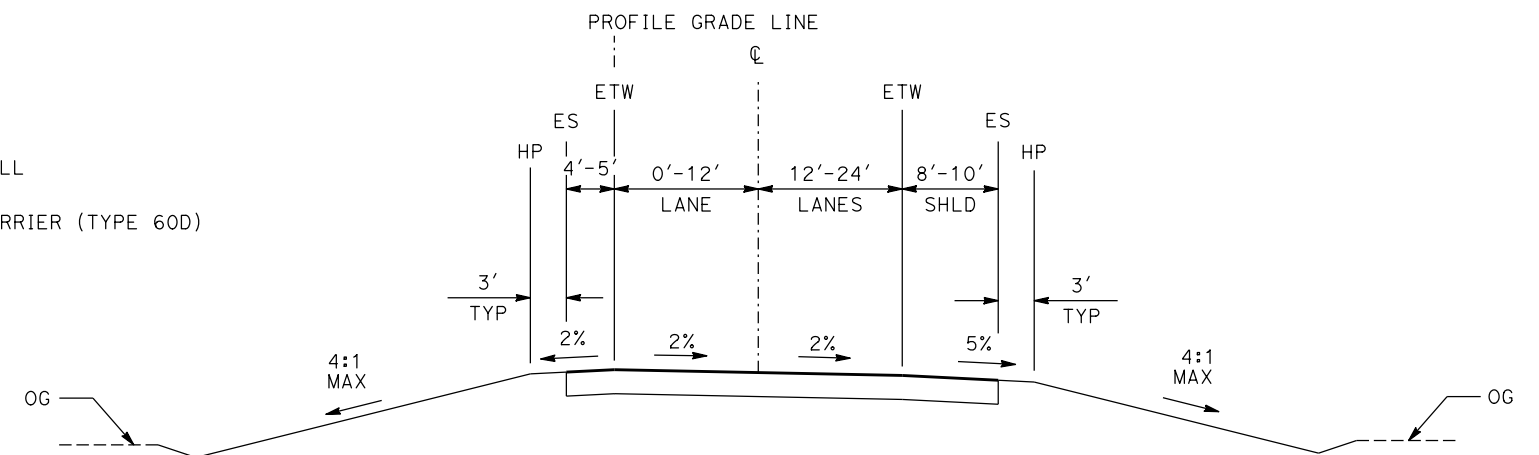
TYPICAL SECTION

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



TYPICAL SECTION

"WB ON RAMP" LINE @ SR 59 AND SR 233
 "WB OFF RAMP" LINE @ SR 59 AND SR 233



TYPICAL SECTION

"EB ON RAMP" LINE @ SR 59 AND SR 233
 "EB OFF RAMP" LINE @ SR 59 AND SR 233

MF-CV-B0081-D.dgn

12-AUG-2016 16:45

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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W. JOHNSEN

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

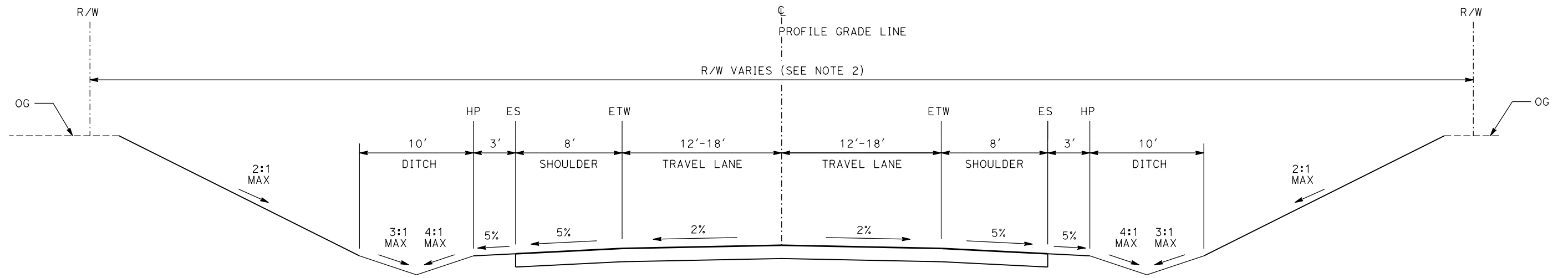
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

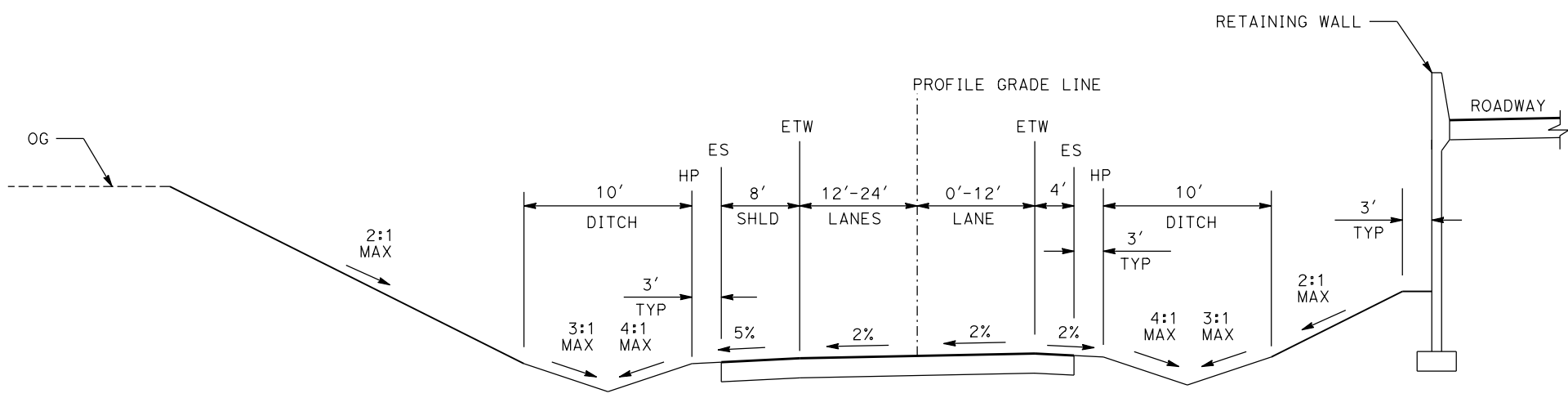
CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TYPICAL SECTION
 SHEET 2 OF 3

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



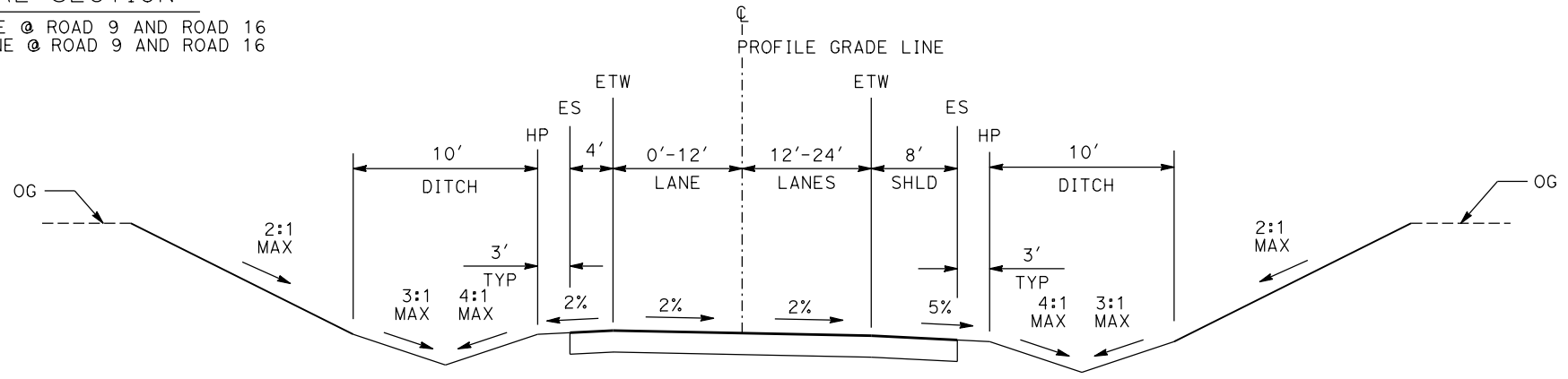
TYPICAL SECTION

"RD 9/HEMLOCK RD" LINE
 "RD 12" LINE
 "RD 16" LINE
 "ROAD 16 CONNECTOR" LINE
 "AVE 25" LINE



TYPICAL SECTION

"WB ON RAMP" LINE @ ROAD 9 AND ROAD 16
 "WB OFF RAMP" LINE @ ROAD 9 AND ROAD 16



TYPICAL SECTION

"EB ON RAMP" LINE @ ROAD 9 AND ROAD 16
 "EB OFF RAMP" LINE @ ROAD 9 AND 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. TYPICAL RIGHT-OF-WAY WIDTH FOR AN UNDERCROSSING VARIES BETWEEN 110' AND 220'.

31-AUG-2016 9:19 MF-CV-B0082-D.dgn

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

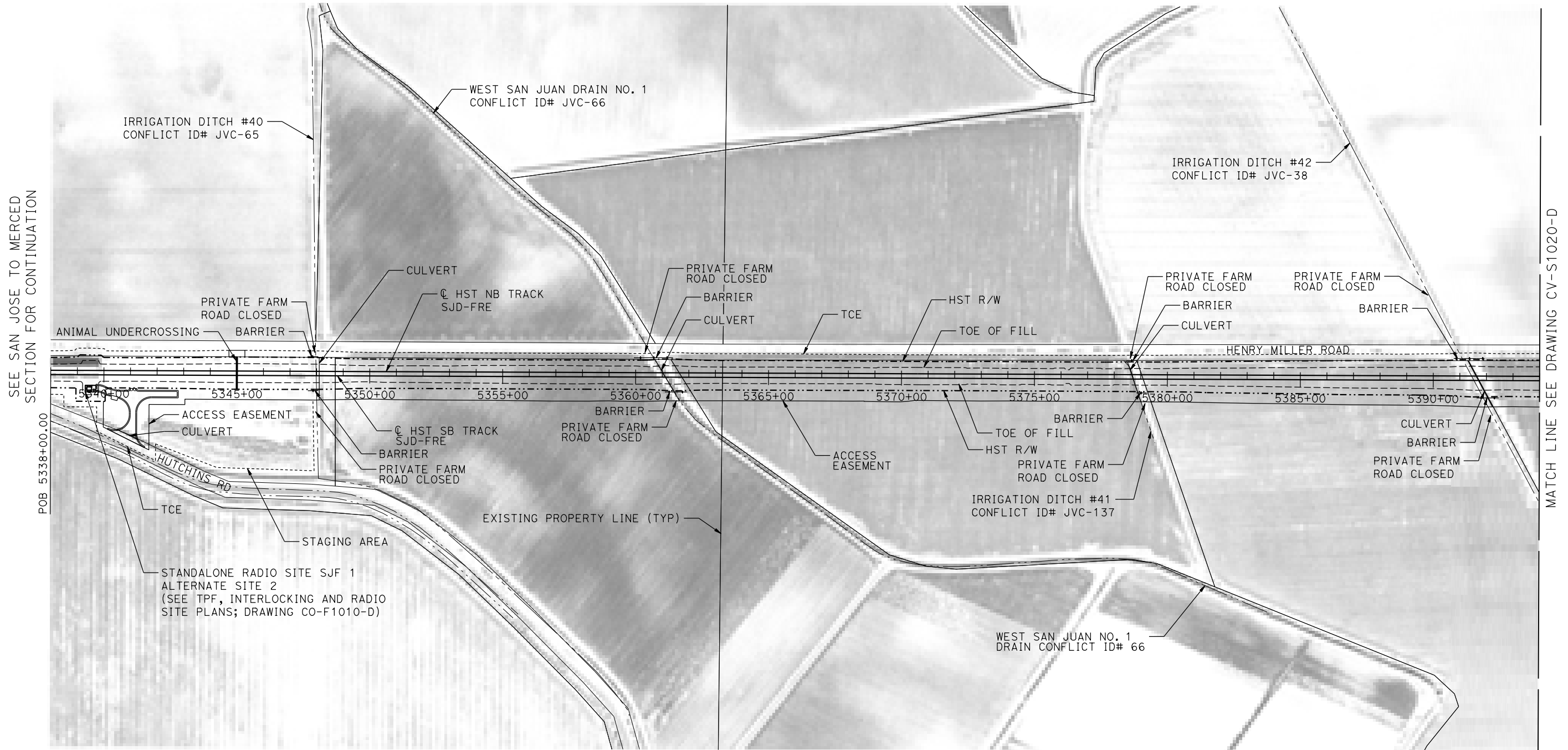
NOT FOR
CONSTRUCTION



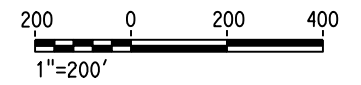
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TYPICAL SECTION
 SHEET 3 OF 3

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

MERCED COUNTY



PLAN



12-AUG-2016 11:16 MF-CV-S1010-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

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S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5338+00 TO 5394+00

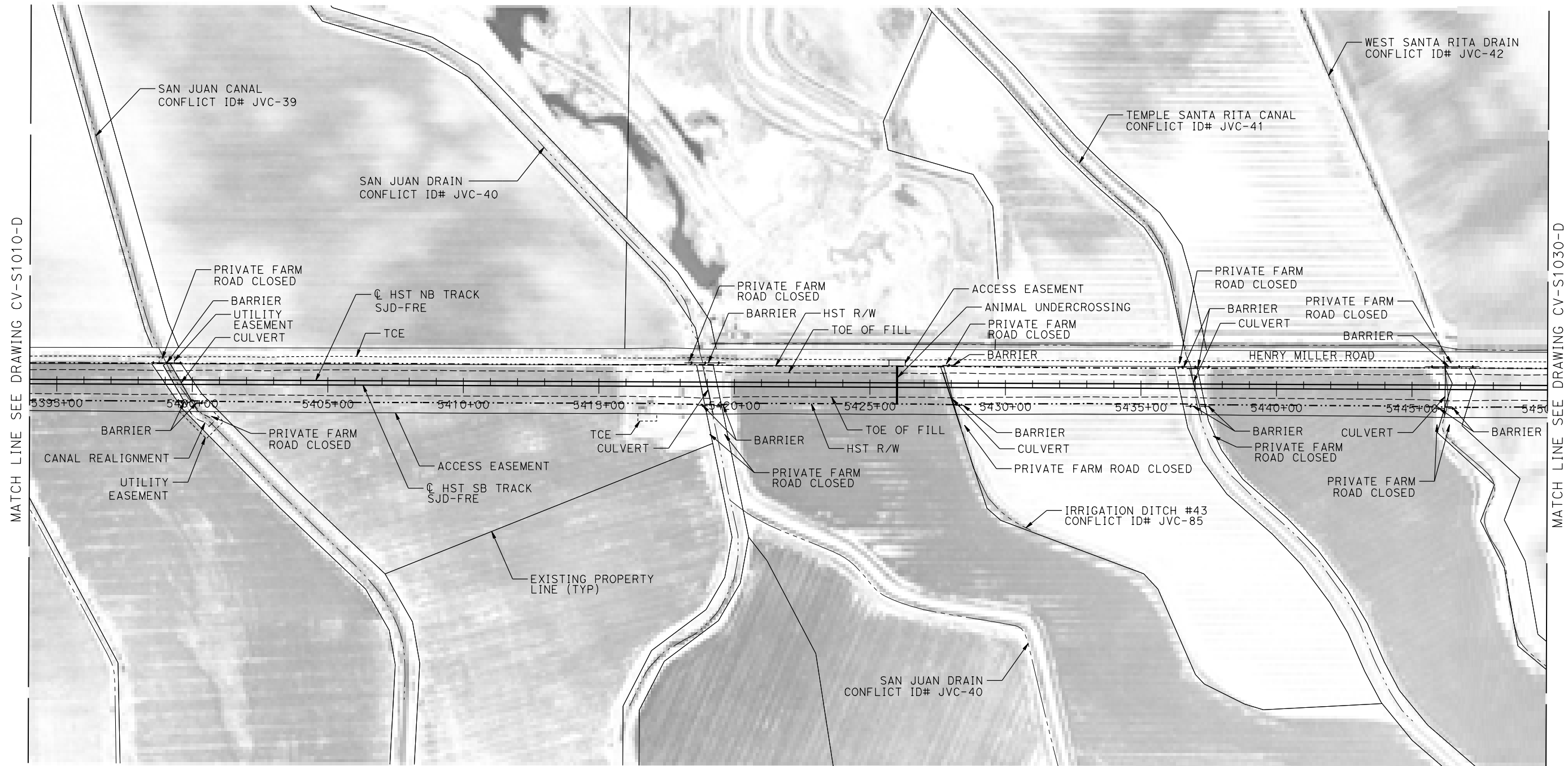
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1010-D

SCALE
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SHEET NO.

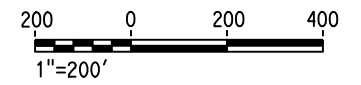
MERCED COUNTY



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MATCH LINE SEE DRAWING CV-S1030-D

PLAN



31-AUG-2016 9:20 MF-CV-S1020-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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W. JOHNSEN
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S. ARNOLD
IN CHARGE
C. LEMLEY
DATE
09/09/2016

RECORD SET
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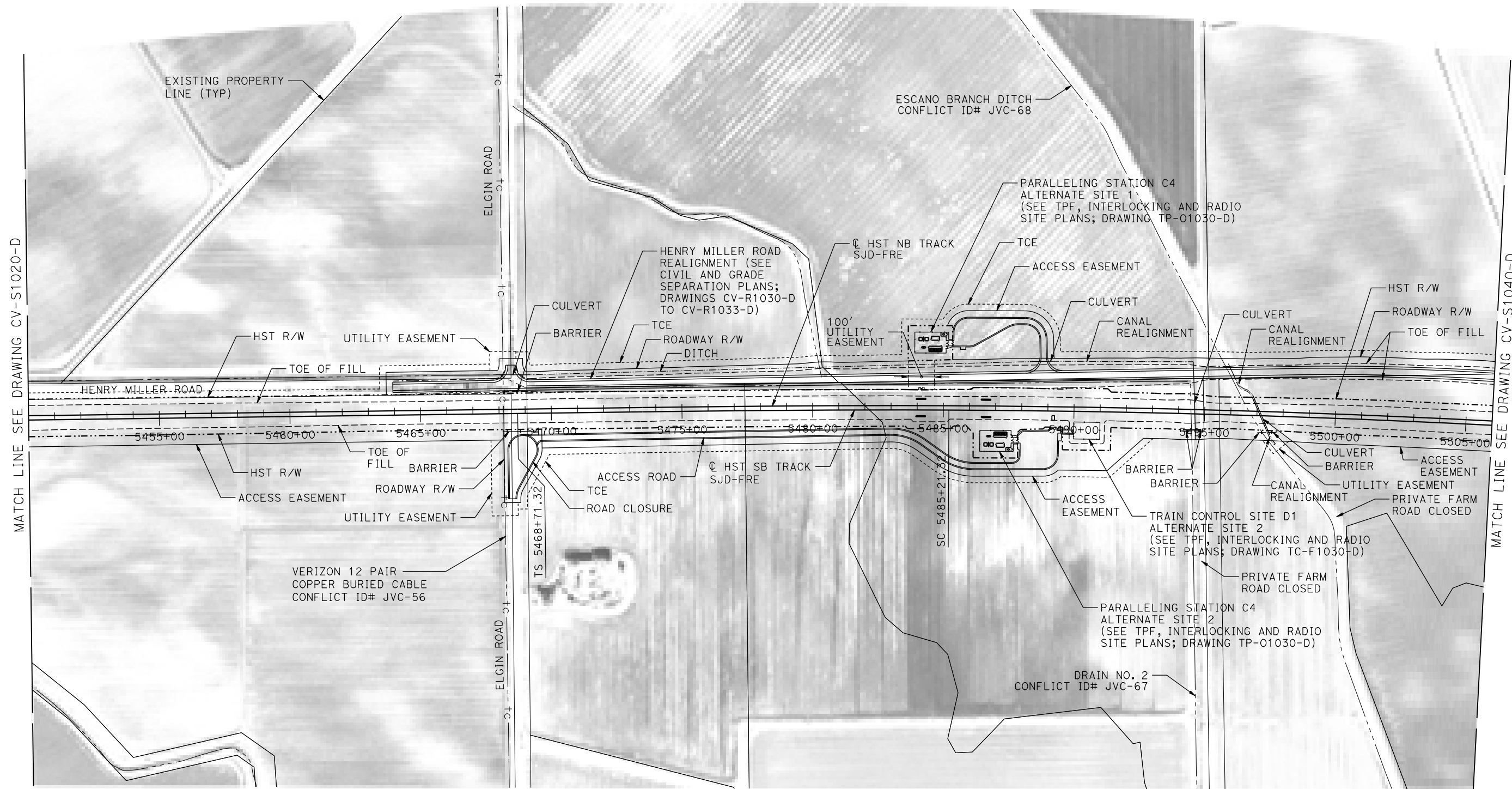
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5394+00 TO 5450+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1020-D
SCALE
1"=200'
SHEET NO.

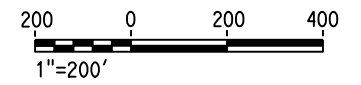
MERCED COUNTY



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MATCH LINE SEE DRAWING CV-S1040-D

PLAN



11-AUG-2016 16:18 MF-CV-S1030-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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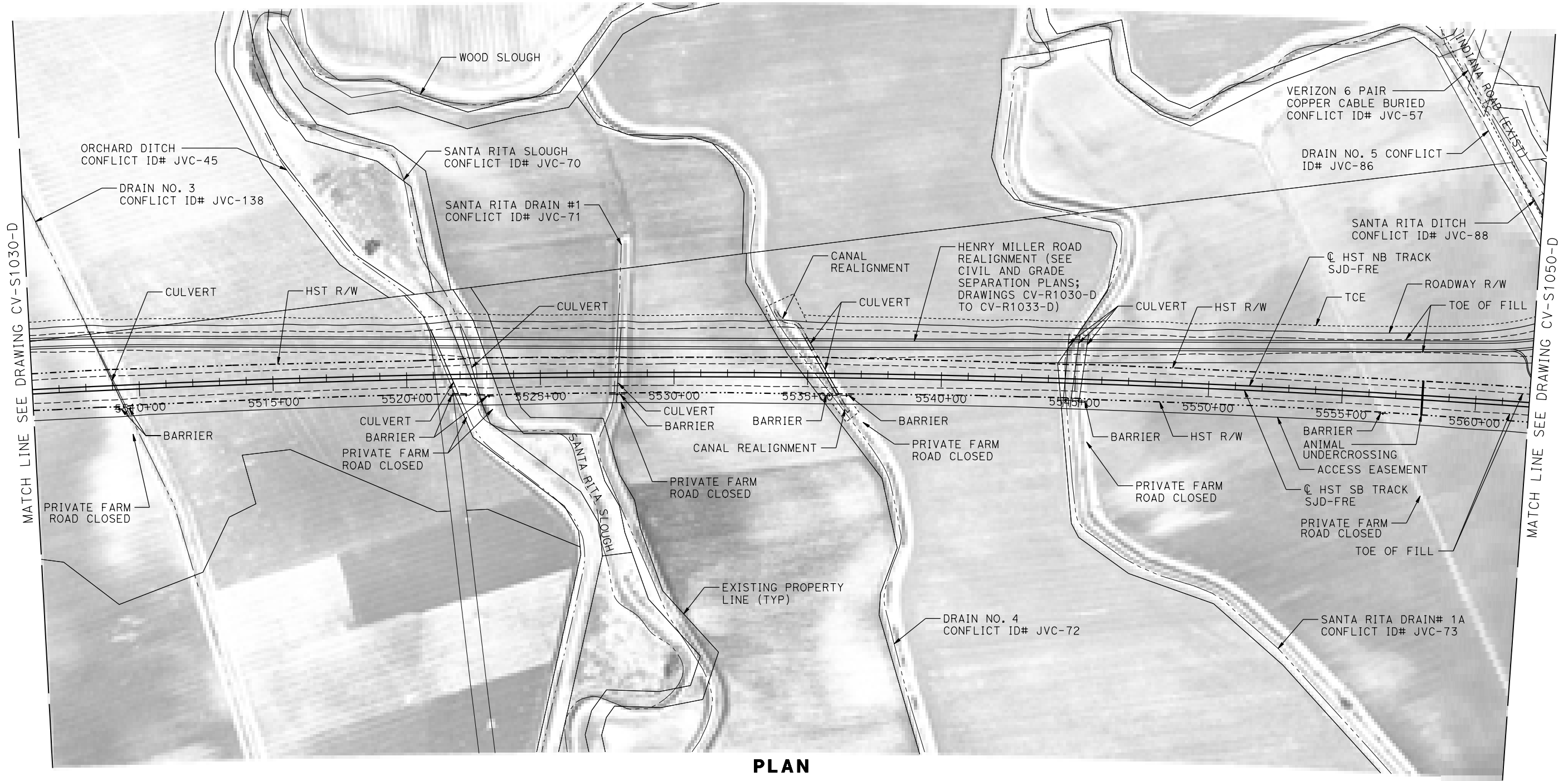
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CONSTRUCTION



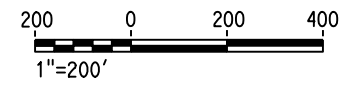
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5450+00 TO 5506+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1030-D
SCALE
1"=200'
SHEET NO.

MERCED COUNTY



PLAN



MF-CV-S1040-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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C. LEMLEY

DATE
09/09/2016

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5506+00 TO 5562+00

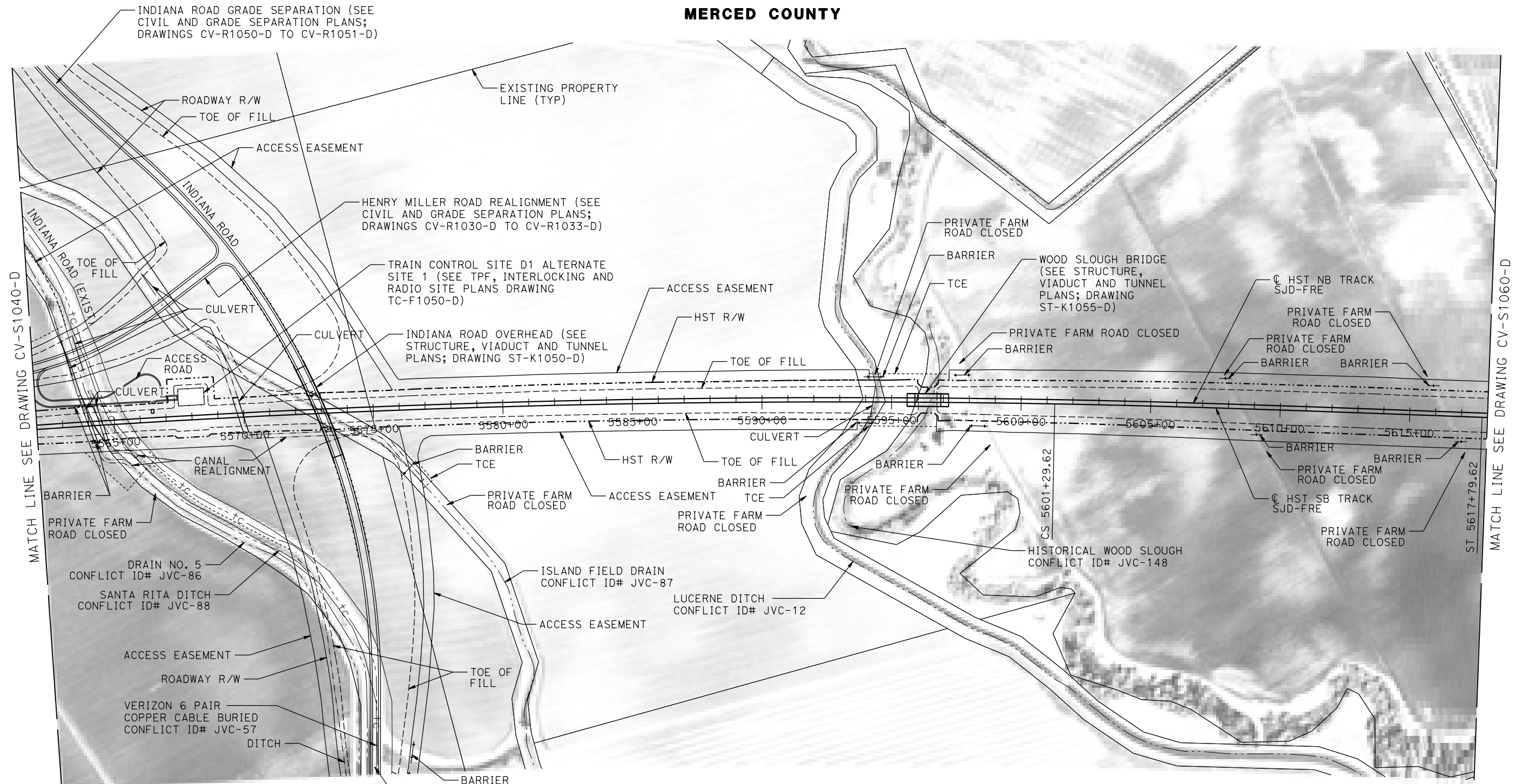
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HSR08-05

DRAWING NO.
CV-S1040-D

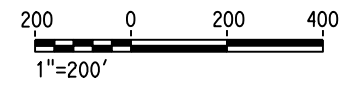
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



MF-CV-S1050-D.dgn 31-AUG-2016 9:22 P0021811

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

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W. JOHNSEN

CHECKED BY
S. ARNOLD

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C. LEMLEY

DATE
09/09/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5562+00 TO 5618+00

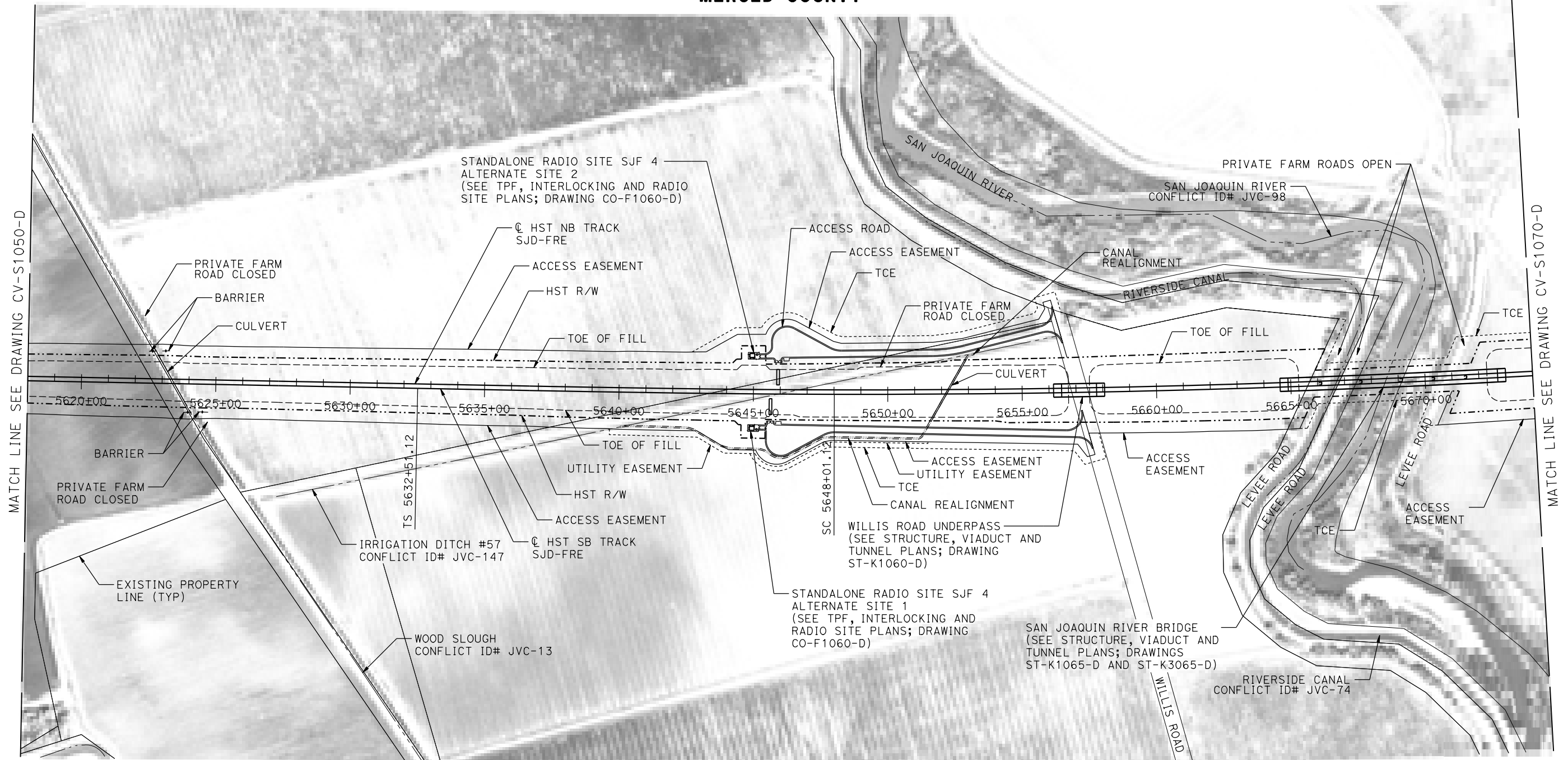
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DRAWING NO.
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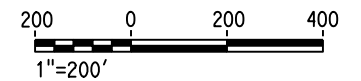
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



31-AUG-2016 9:22 MF-CV-S1060-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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SUBMITTAL

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CONSTRUCTION

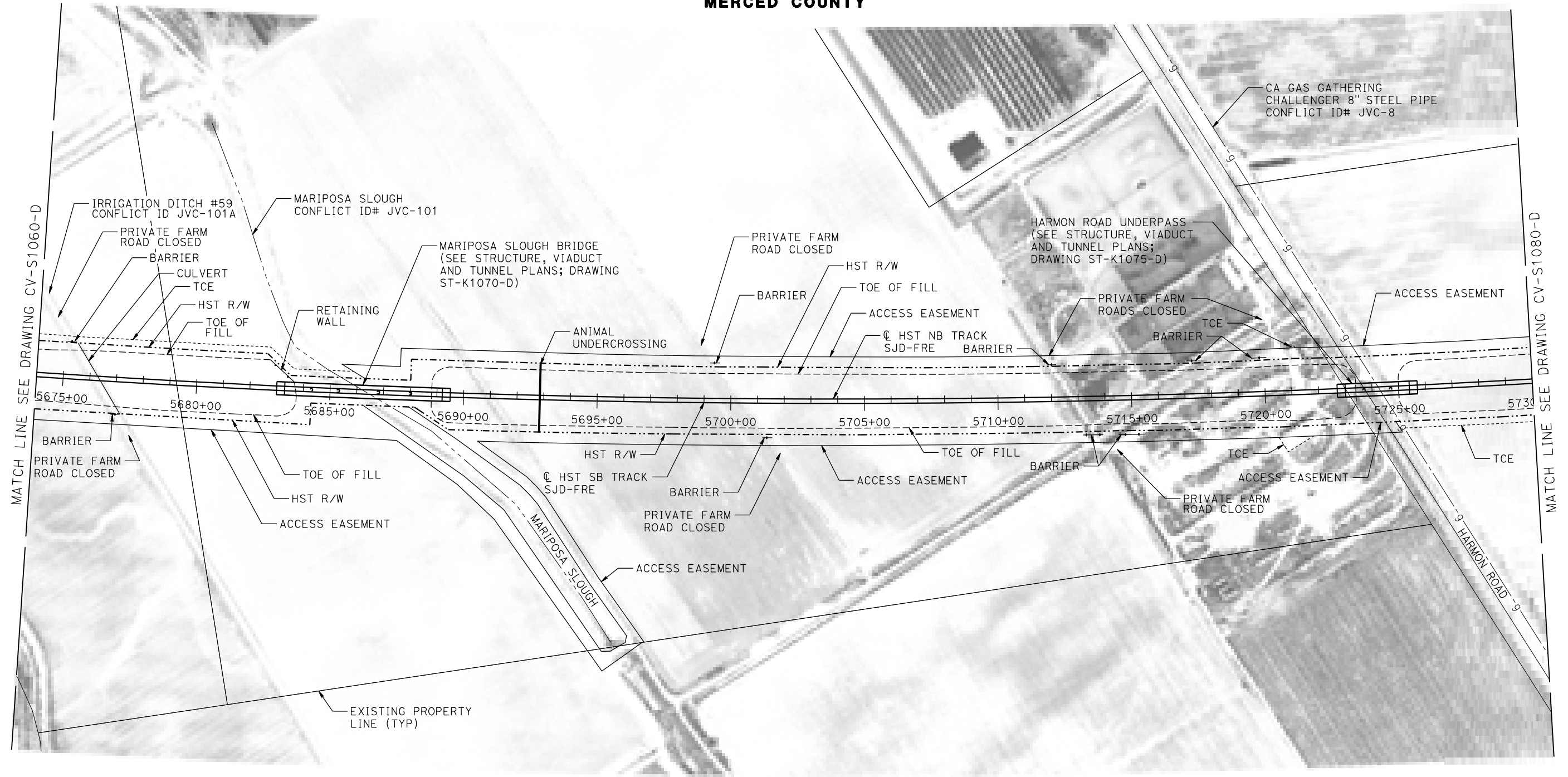


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5618+00 TO 5674+00

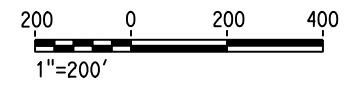
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1060-D
SCALE
1"=200'
SHEET NO.



MERCED COUNTY



PLAN



31-AUG-2016 9:23 MF-CV-S1070-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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SUBMITTAL

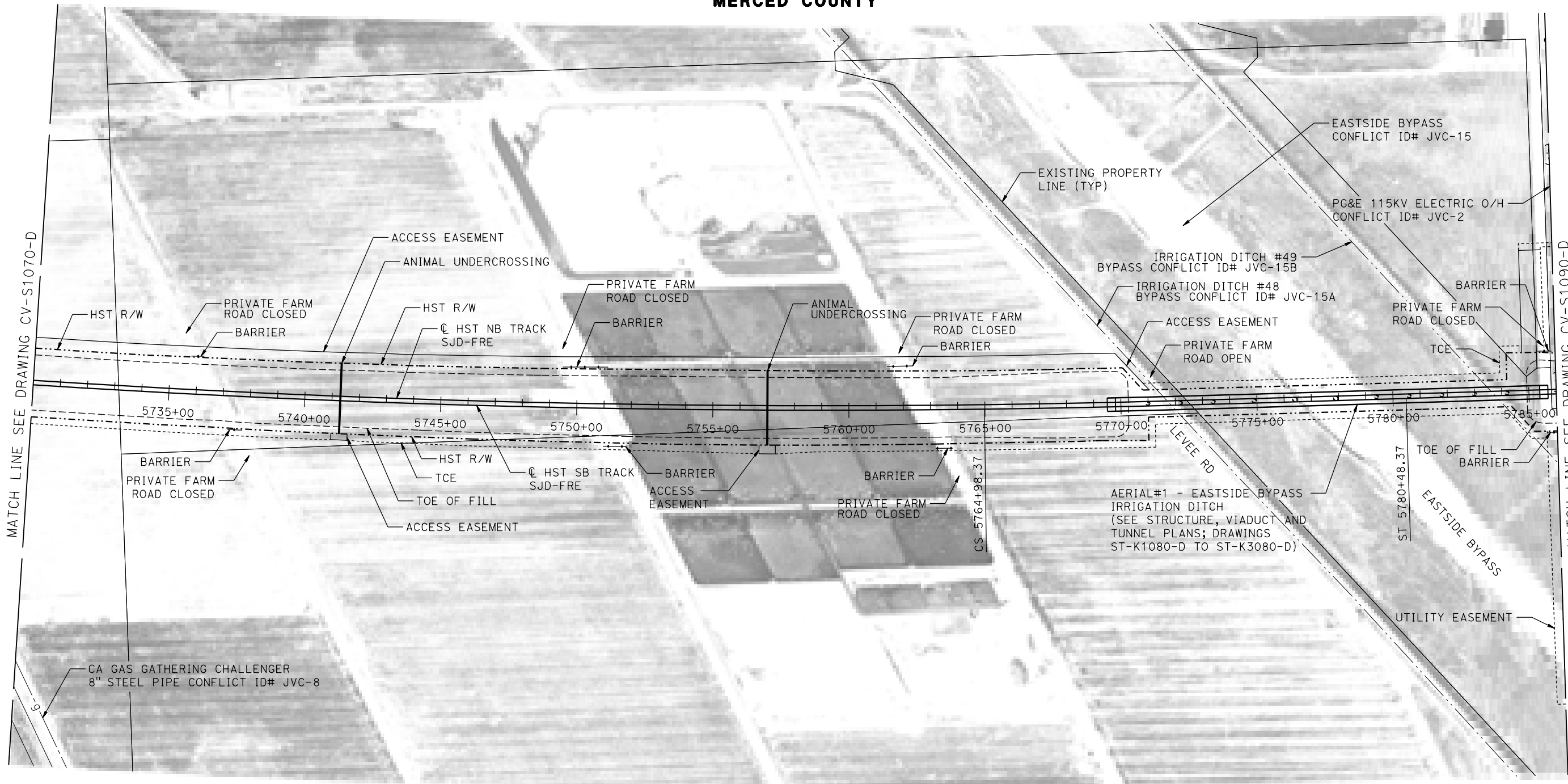
NOT FOR
CONSTRUCTION



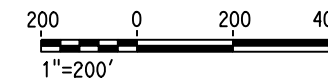
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5674+00 TO 5730+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1070-D
SCALE
1"=200'
SHEET NO.

MERCED COUNTY



PLAN



31-AUG-2016 9:24 MF-CV-S1080-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

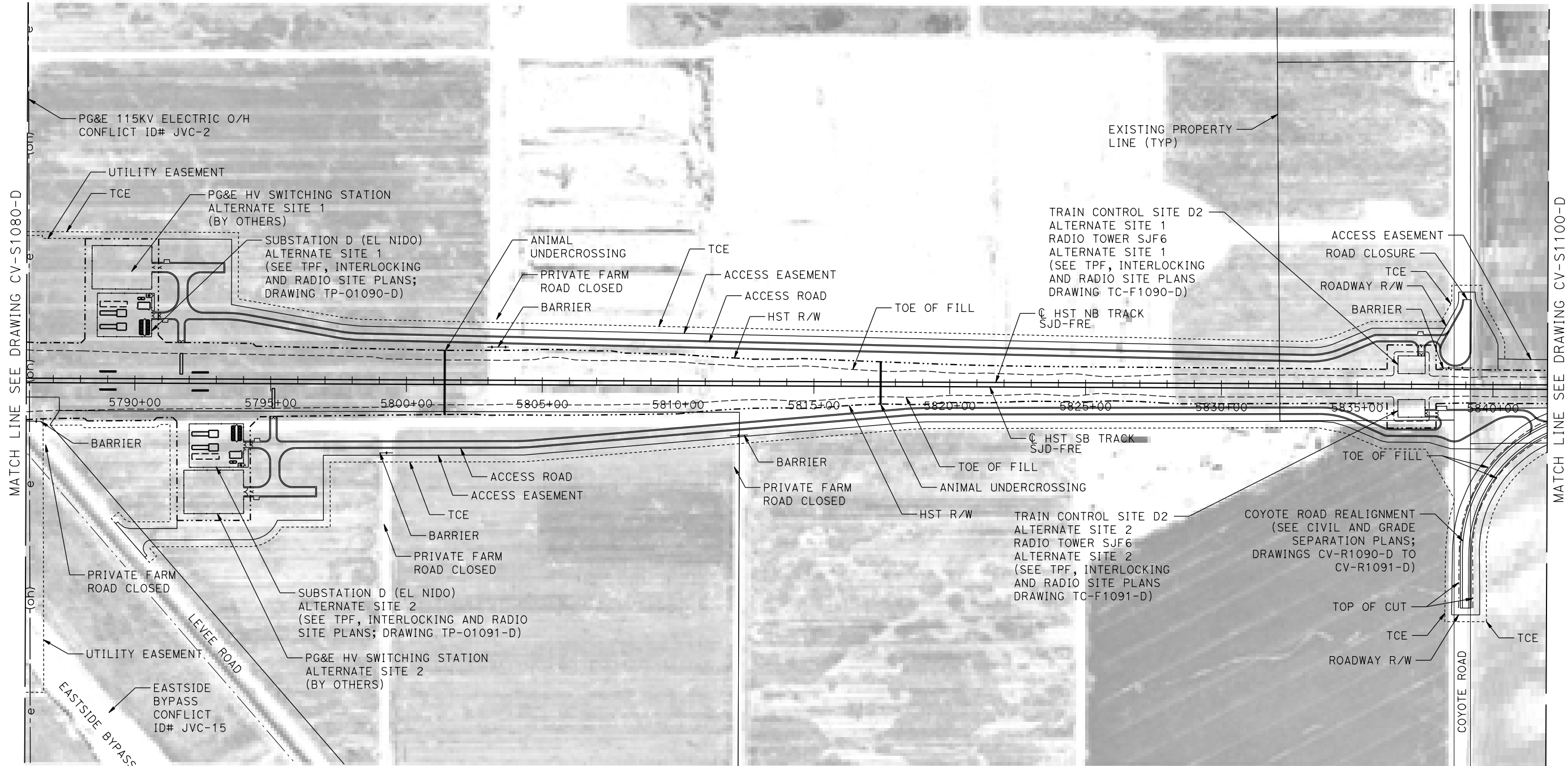
NOT FOR
CONSTRUCTION



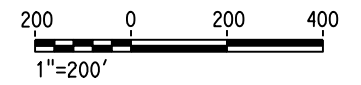
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5730+00 TO 5786+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1080-D
SCALE
1"=200'
SHEET NO.

MERCED COUNTY



PLAN



11-AUG-2016 16:23 MF-CV-S1090-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5786+00 TO 5842+00

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1090-D

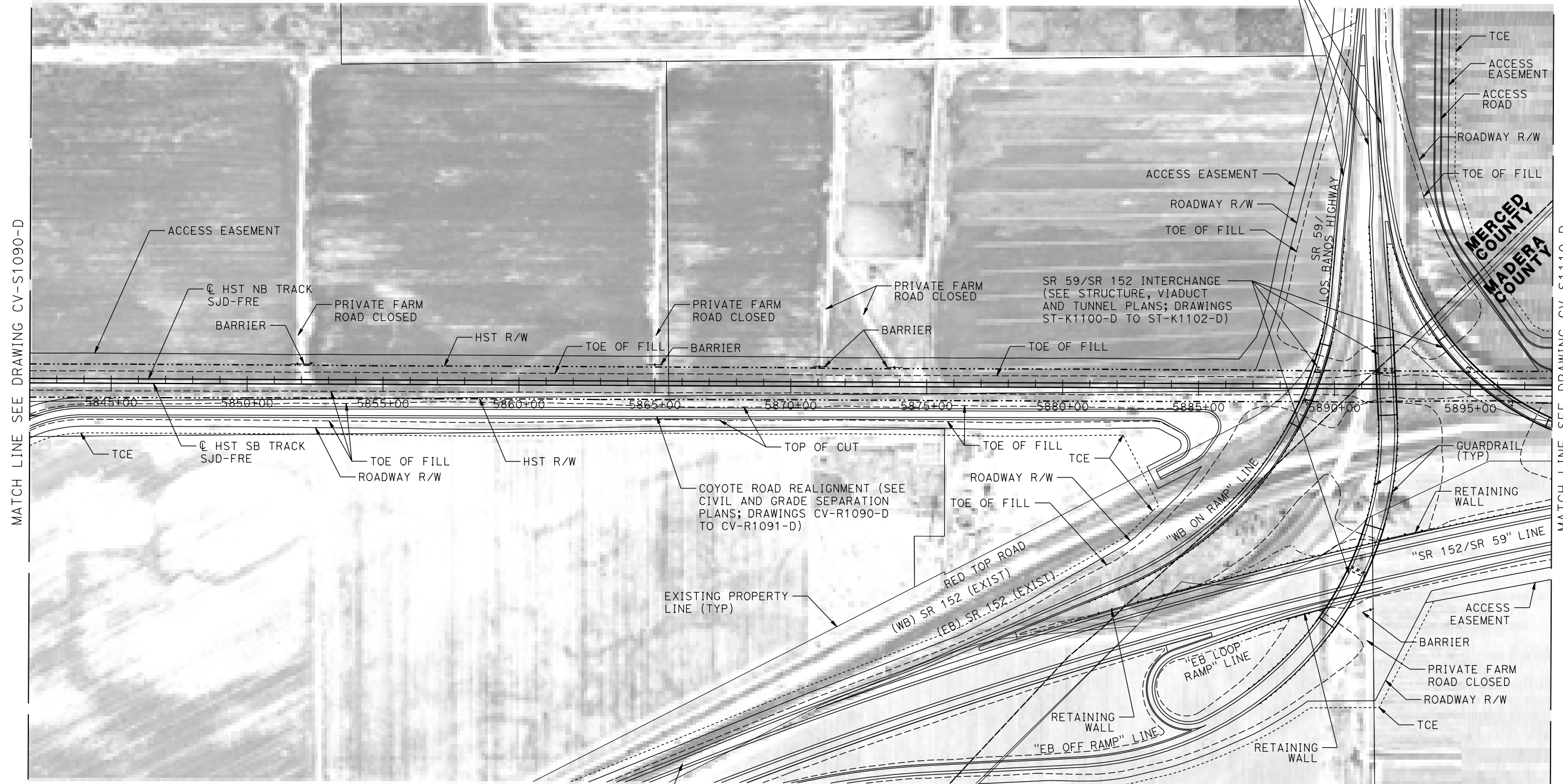
SCALE
1"=200'

SHEET NO.



MERCED COUNTY

SR 59/SR 152 INTERCHANGE REALIGNMENT
(SEE CIVIL AND GRADE SEPARATION PLANS;
DRAWINGS CV-R1100-D TO CV-R1110-D)

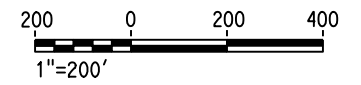


MATCH LINE SEE DRAWING CV-S1090-D

MATCH LINE SEE DRAWING CV-S1110-D

SR 59/SR 152 INTERCHANGE REALIGNMENT
(SEE CIVIL AND GRADE SEPARATION PLANS;
DRAWINGS CV-R1100-D TO CV-R1110-D)

PLAN



16-AUG-2016 11:45 MF-CV-S1100-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5842+00 TO 5898+00

CONTRACT NO.
HSR08-05

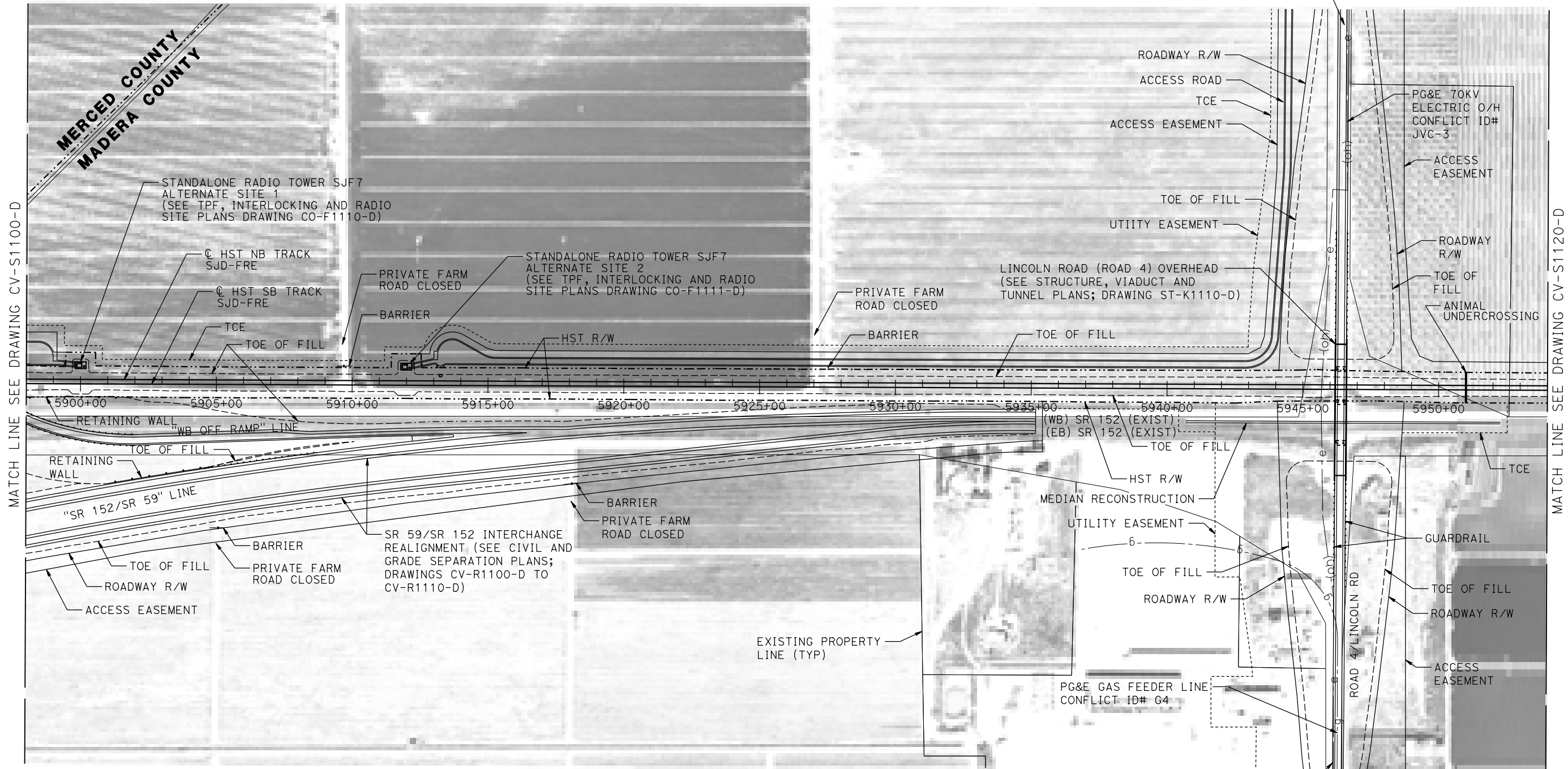
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CV-S1100-D

SCALE
1"=200'

SHEET NO.

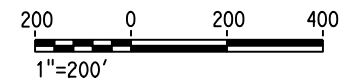
MADERA COUNTY

ROAD 4 / LINCOLN ROAD GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1111-D TO CV-R1112-D)



PLAN

ROAD 4 / LINCOLN ROAD GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1111-D TO CV-R1112-D)



08-SEP-2016 16:51:49 MF-CV-S1110-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



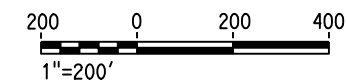
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5898+00 TO 5954+00

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

MADERA COUNTY



PLAN



31-AUG-2016 9:26 MF-CV-S1120-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5954+00 TO 6010+00

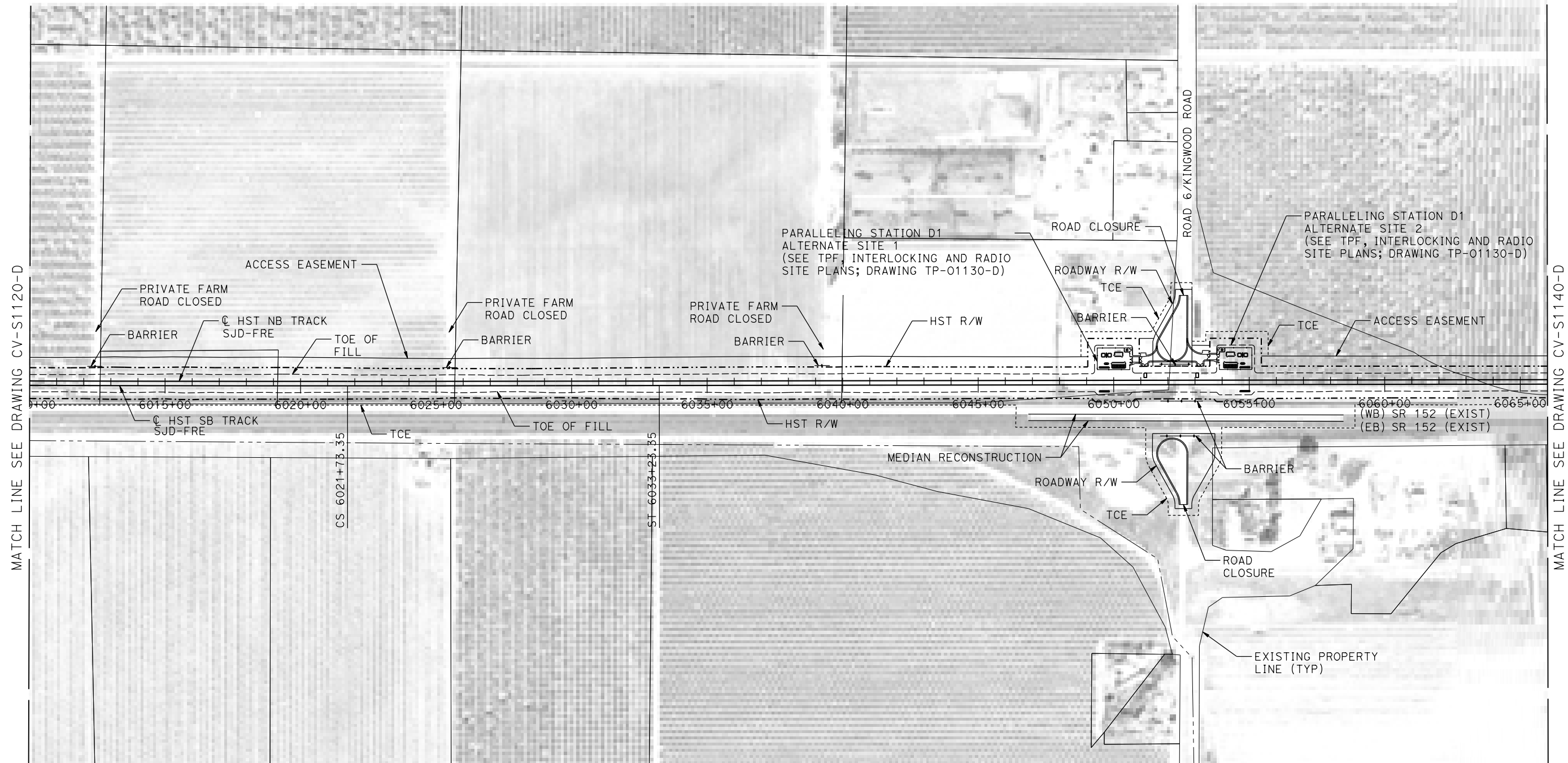
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1120-D

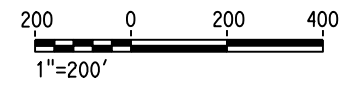
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:26 MF-CV-S1130-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6010+00 TO 6066+00

CONTRACT NO.
HSR08-05

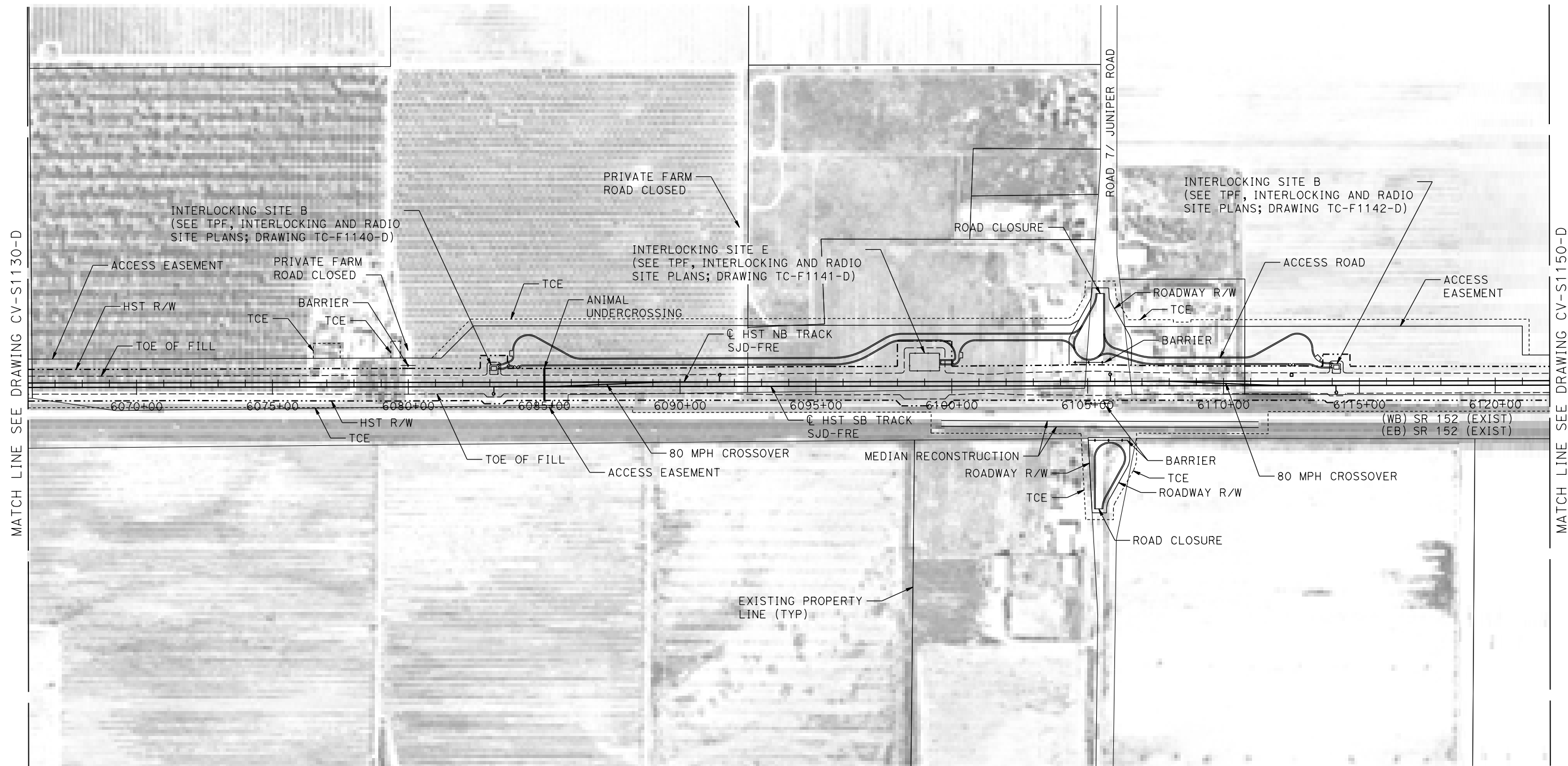
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CV-S1130-D

SCALE
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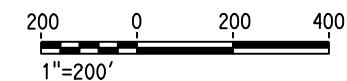
SHEET NO.



MADERA COUNTY



PLAN



MF-CV-S1140-D.dgn
31-AUG-2016 9:27
p0021811

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

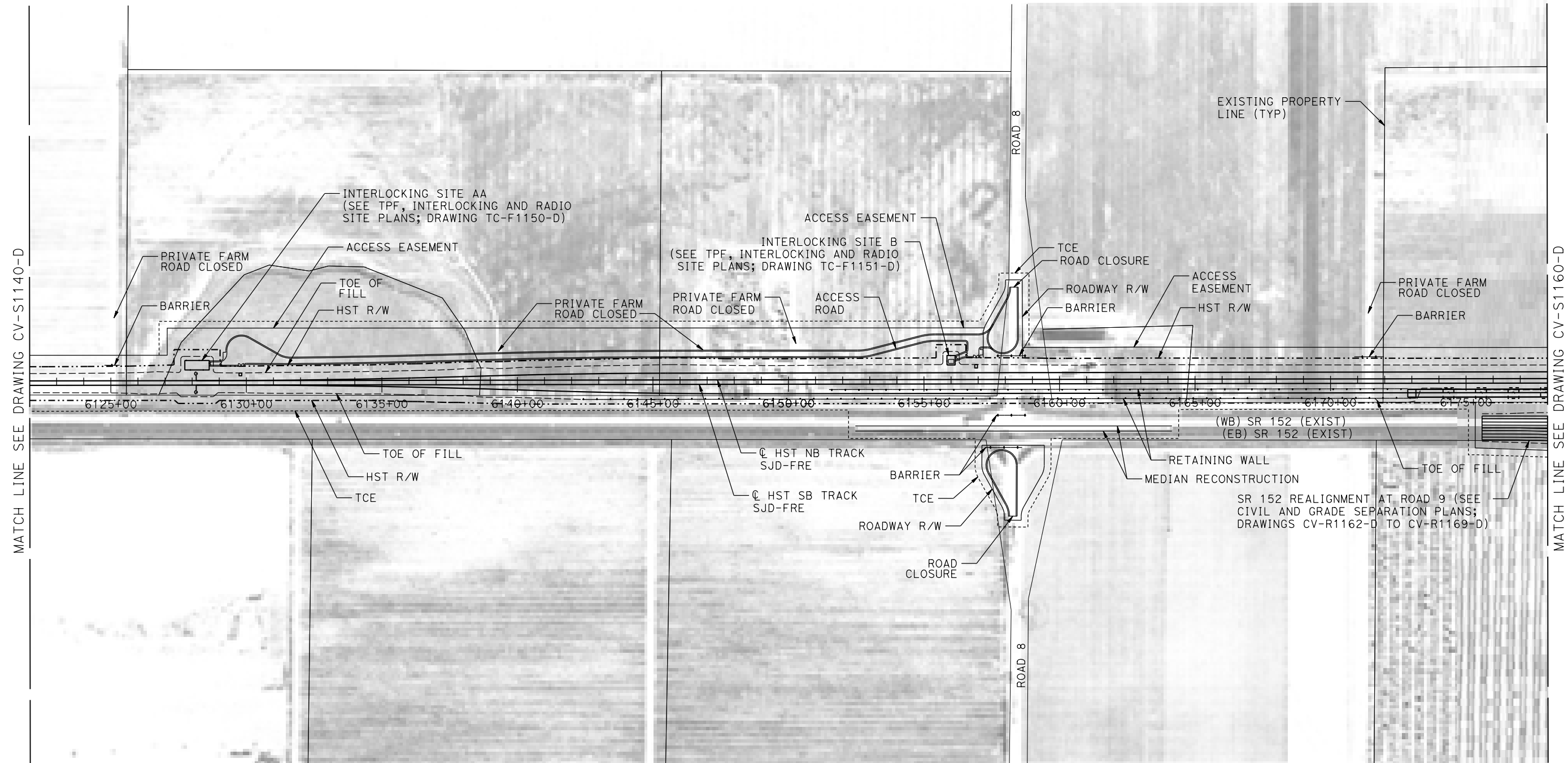
NOT FOR
CONSTRUCTION



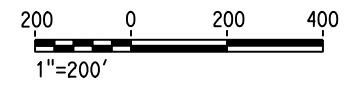
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6066+00 TO 6122+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1140-D
SCALE
1"=200'
SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:28 MF-CV-S1150-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSON

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6122+00 TO 6178+00

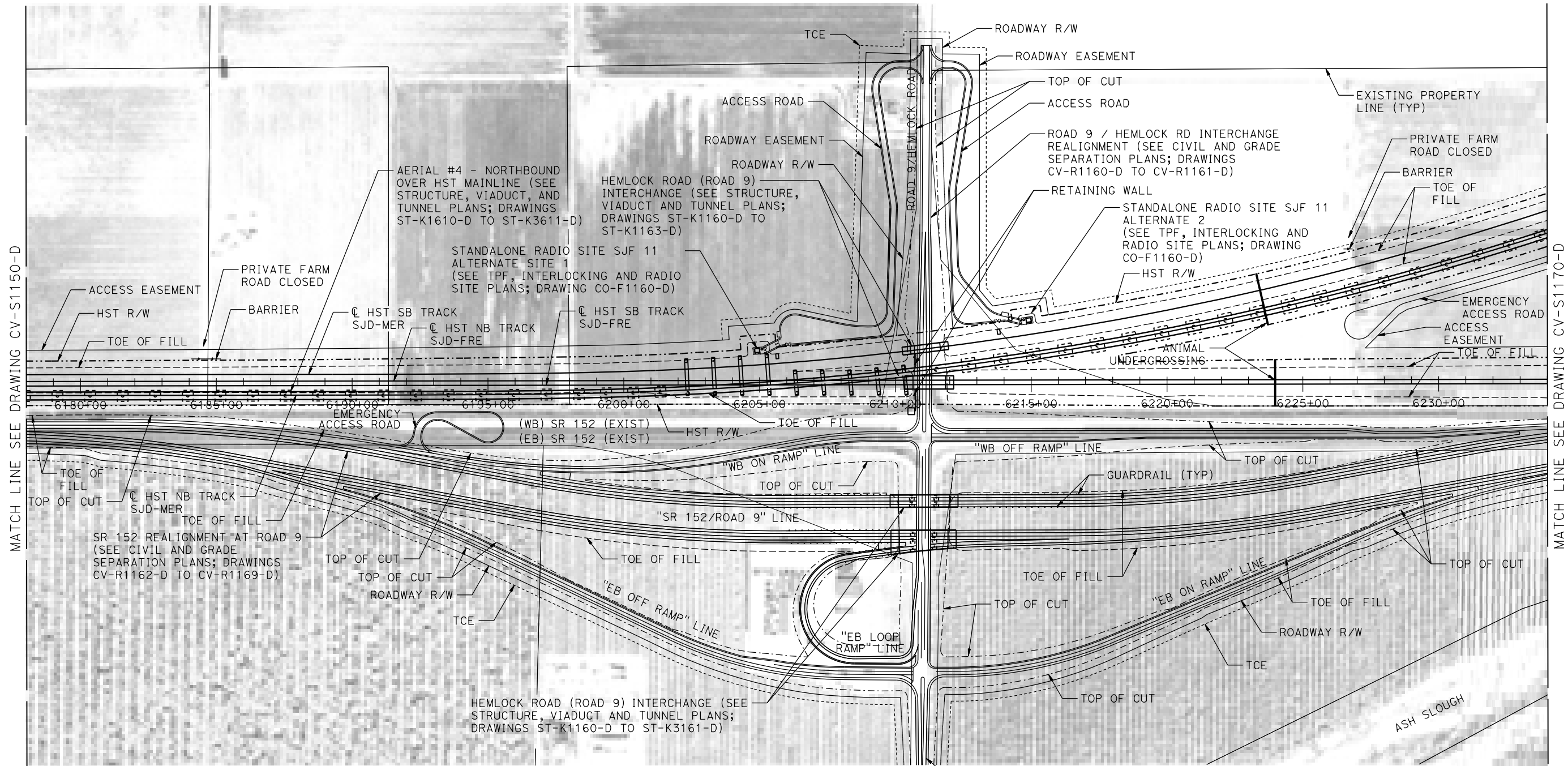
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1150-D

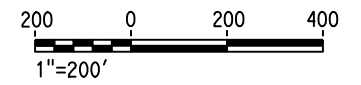
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



12-AUG-2016 16:48 MF-CV-S1160-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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

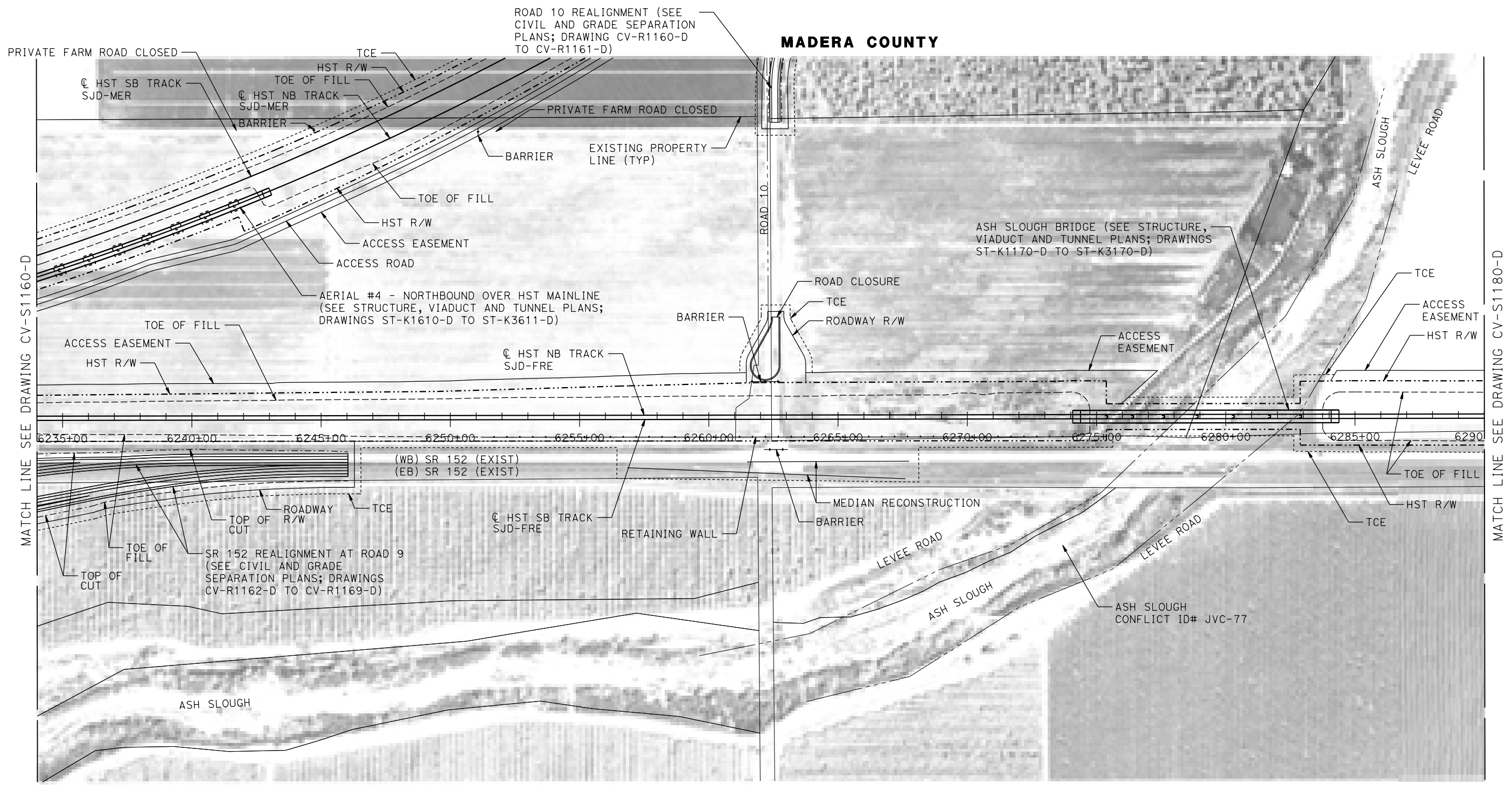
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6178+00 TO 6234+00

CONTRACT NO.
HSR08-05

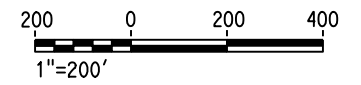
DRAWING NO.
CV-S1160-D

SCALE
1"=200'

SHEET NO.



PLAN



31-AUG-2016 9:28 MF-CV-S1170-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

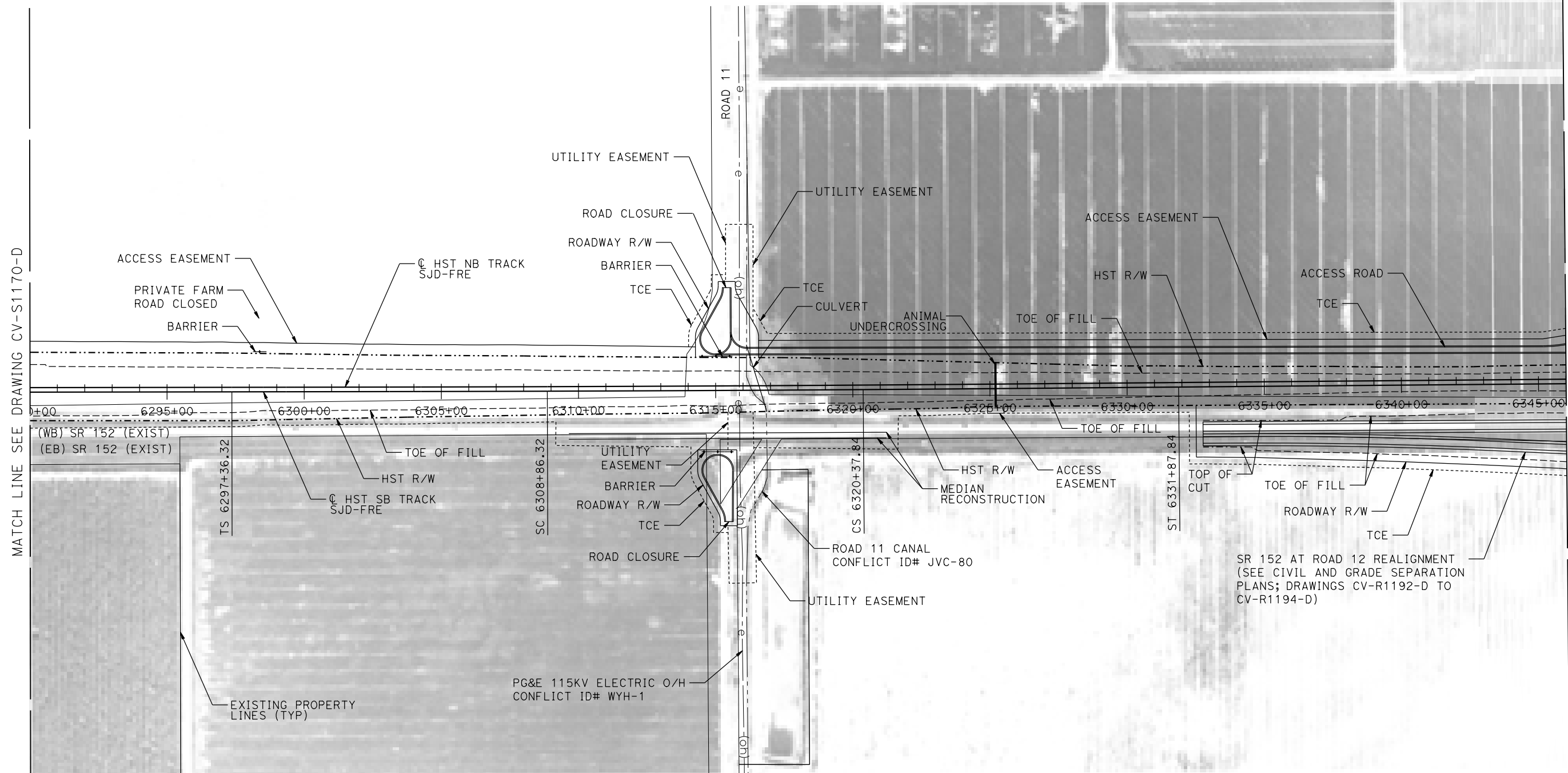


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6234+00 TO 6290+00

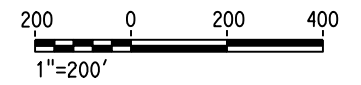
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1170-D
SCALE
1"=200'
SHEET NO.



MADERA COUNTY



PLAN



11-AUG-2016 16:31 MF-CV-S1180-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

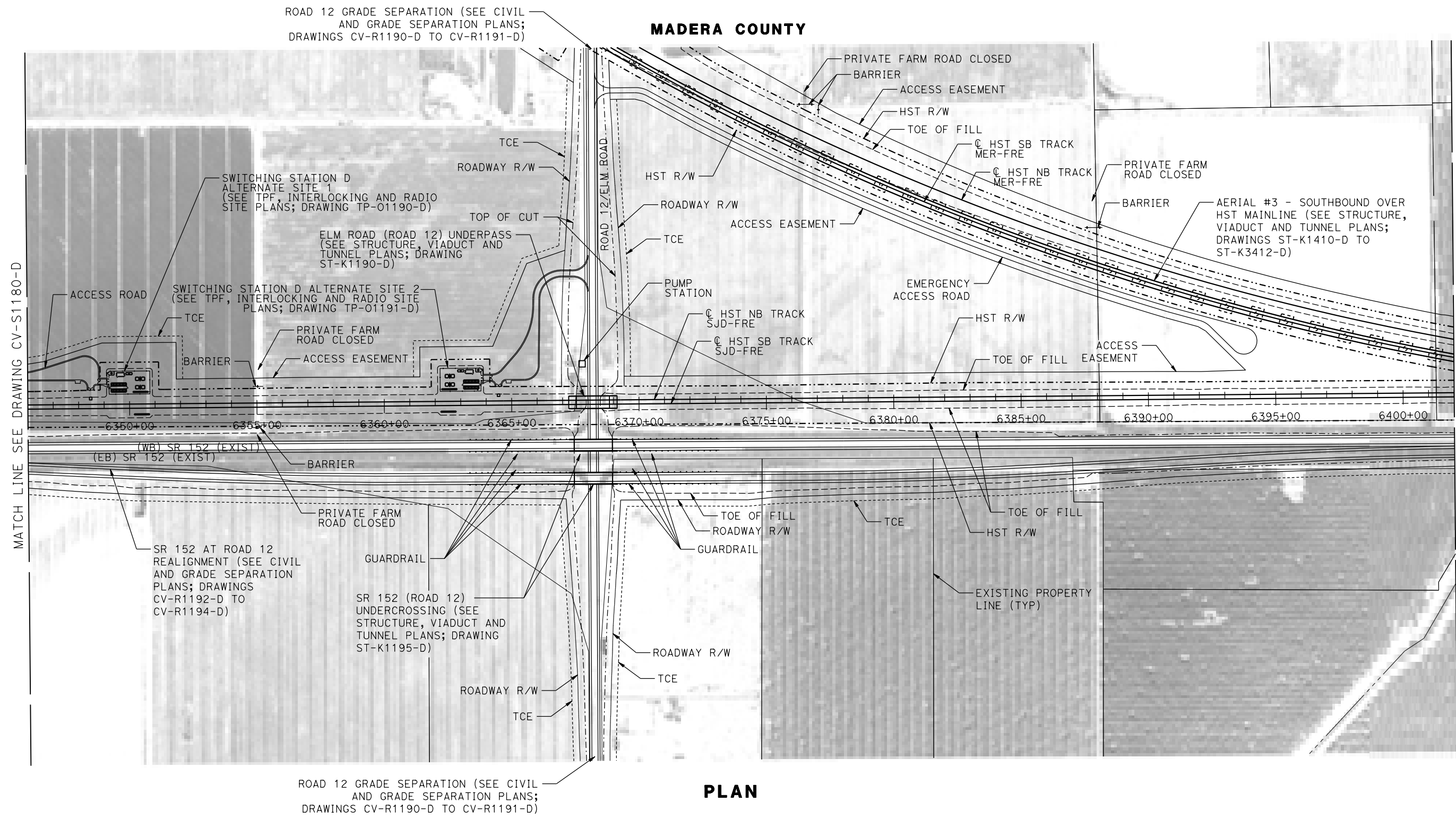
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6290+00 TO 6346+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1180-D
SCALE
1"=200'
SHEET NO.



MATCH LINE SEE DRAWING CV-S1180-D

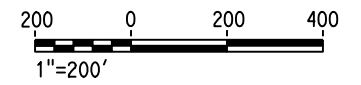
MATCH LINE SEE DRAWING CV-S1200-D

ROAD 12 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1190-D TO CV-R1191-D)

MADERA COUNTY

ROAD 12 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1190-D TO CV-R1191-D)

PLAN



12-AUG-2016 16:49 MF-CV-S1190-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6346+00 TO 6402+00

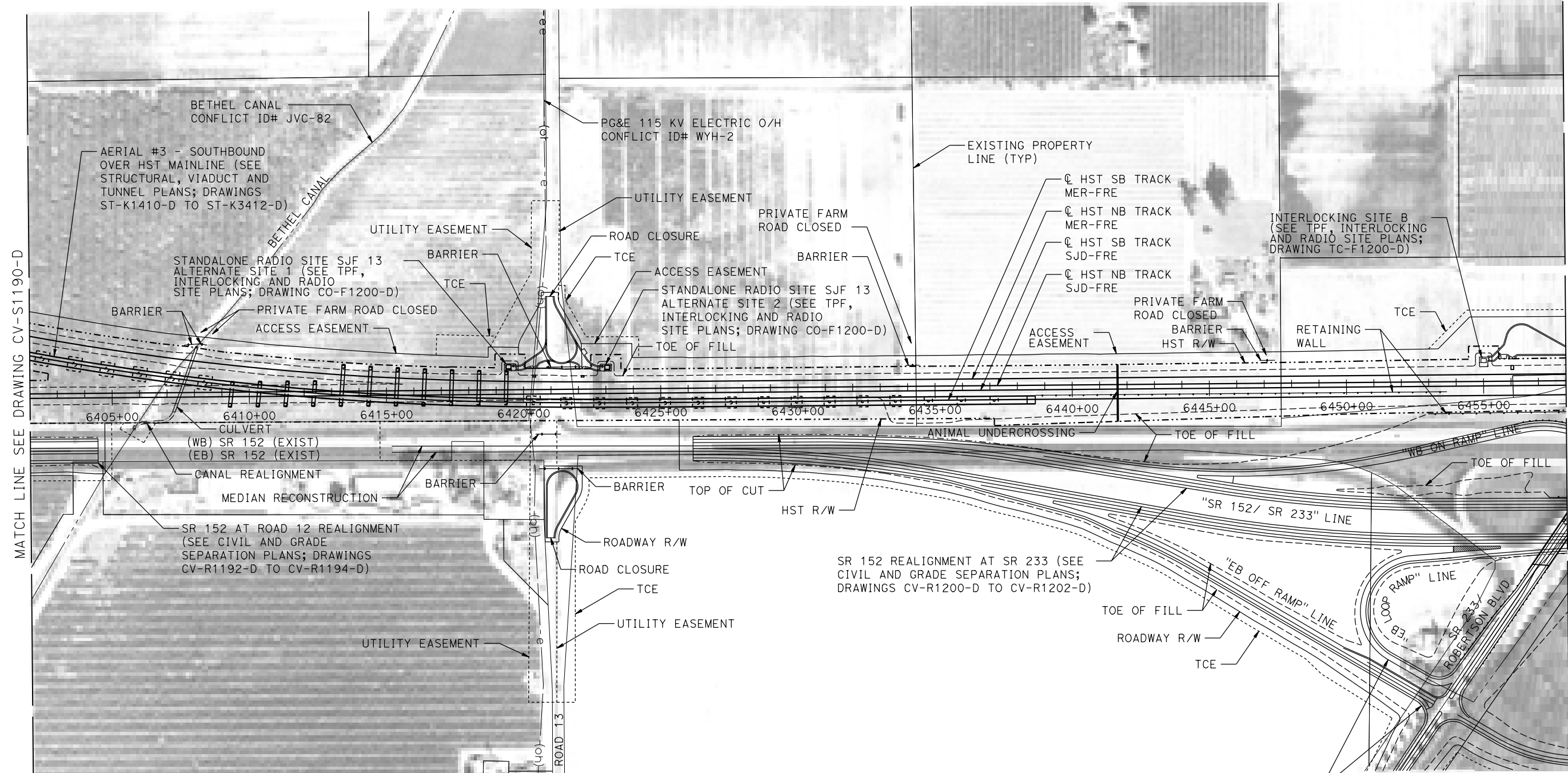
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1190-D

SCALE
1"=200'

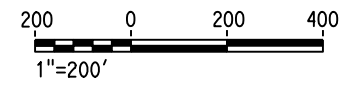
SHEET NO.

MADERA COUNTY



PLAN

SR 233/ROBERTSON BLVD INTERCHANGE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1203-D TO CV-R1214-D)



11-AUG-2016 16:32 MF-CV-S1200-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

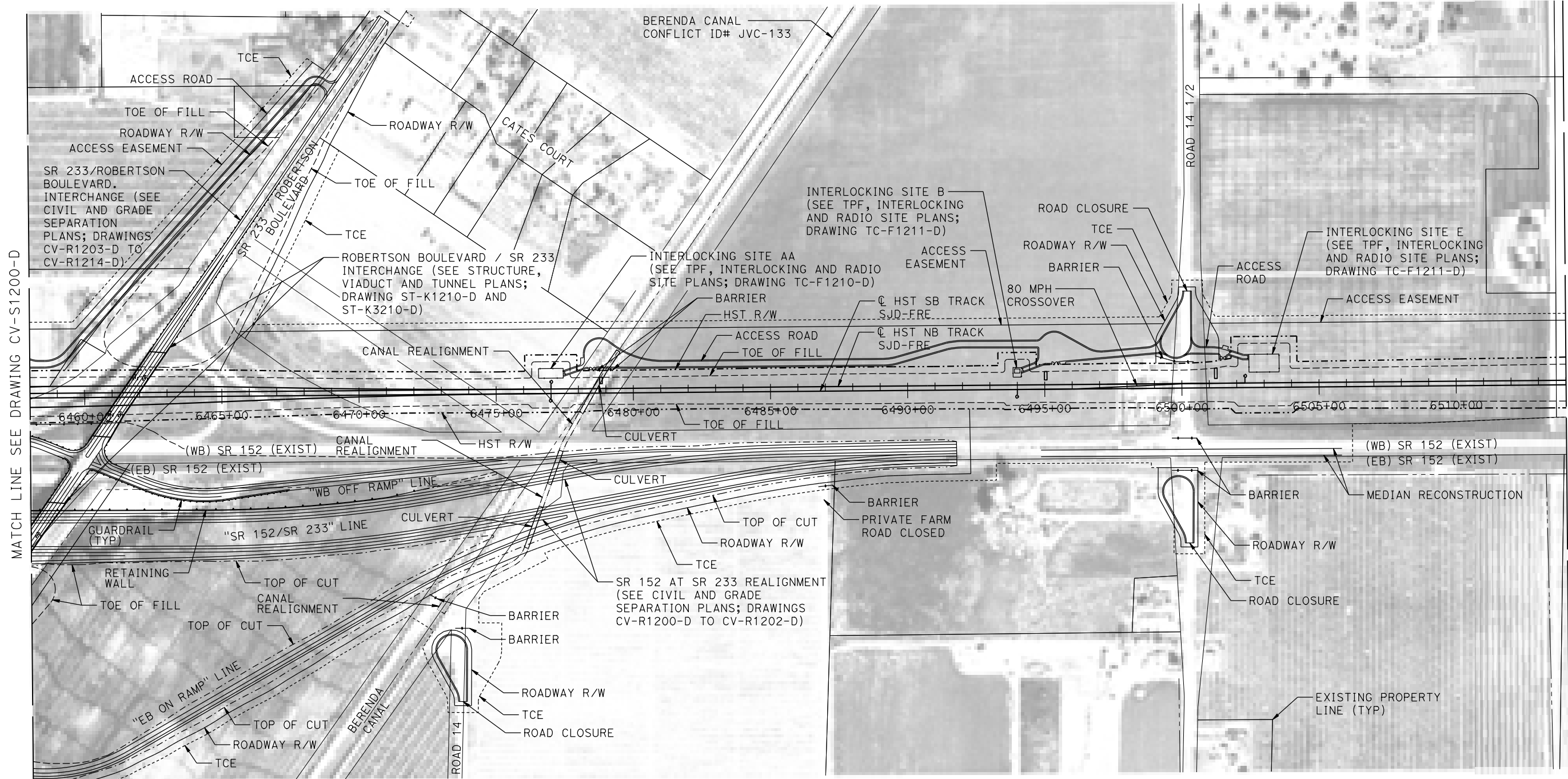
NOT FOR
CONSTRUCTION



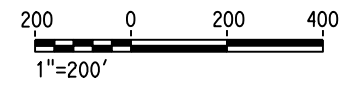
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6402+00 TO 6458+00

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

MADERA COUNTY



PLAN



11-AUG-2016 16:33 MF-CV-S1210-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6458+00 TO 6514+00

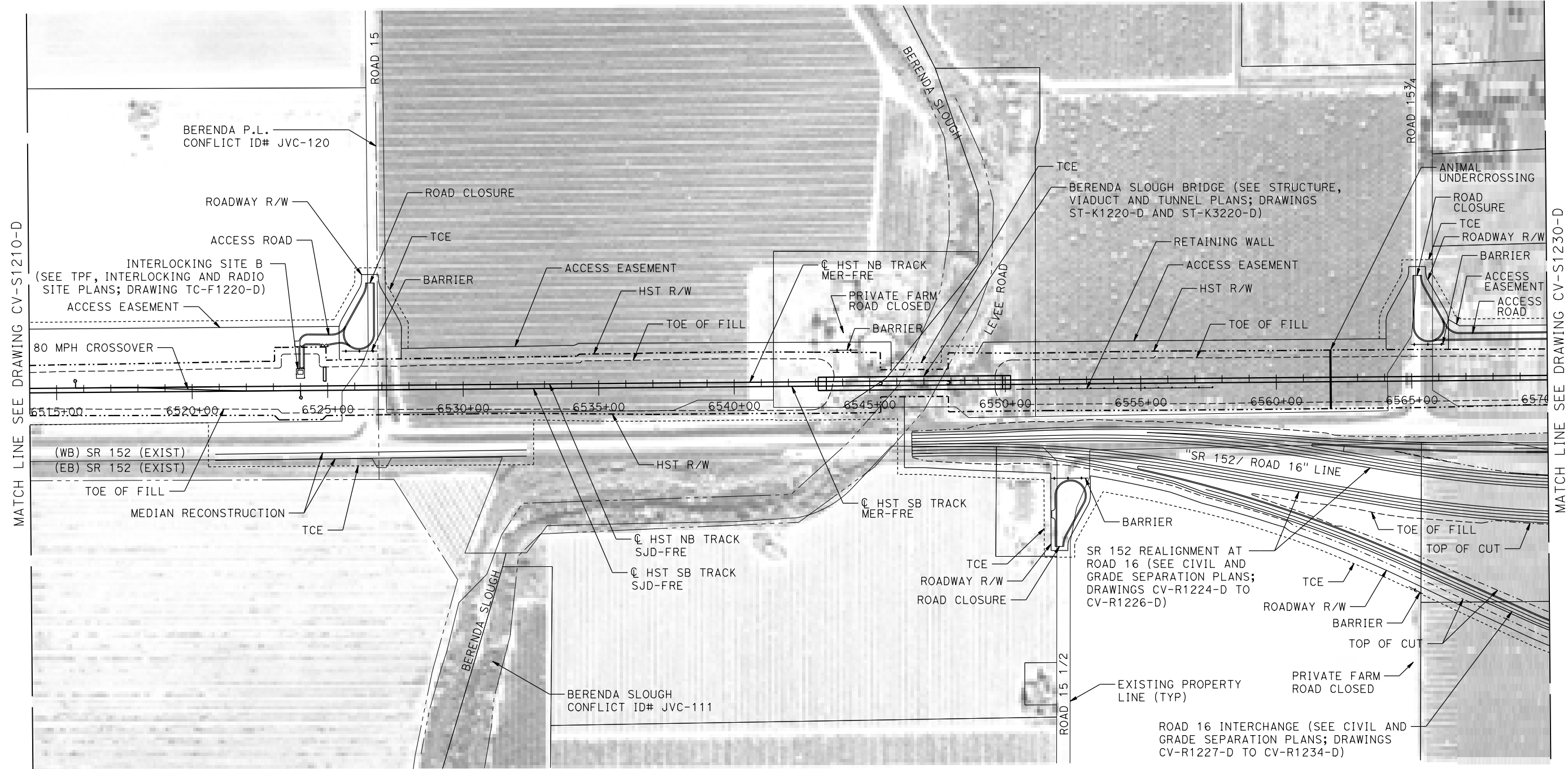
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1210-D

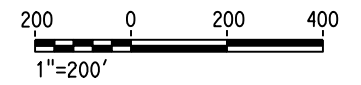
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



31-AUG-2016 9:29 MF-CV-S1220-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6514+00 TO 6570+00

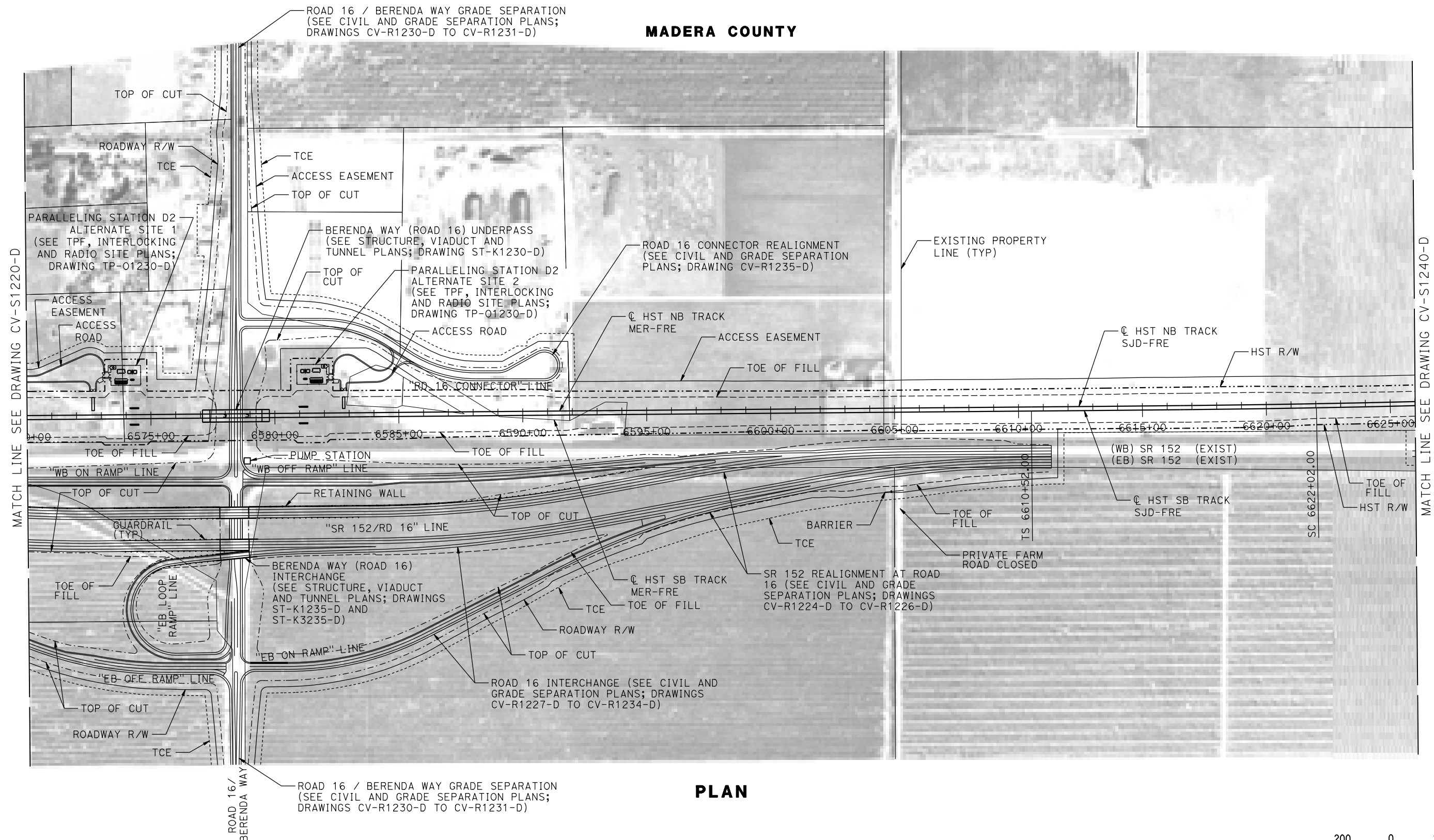
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1220-D

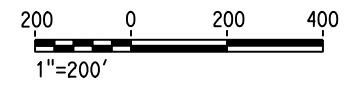
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



02-SEP-2016 13:19 MF-CV-S1230-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6570+00 TO 6626+00

CONTRACT NO.
HSR08-05

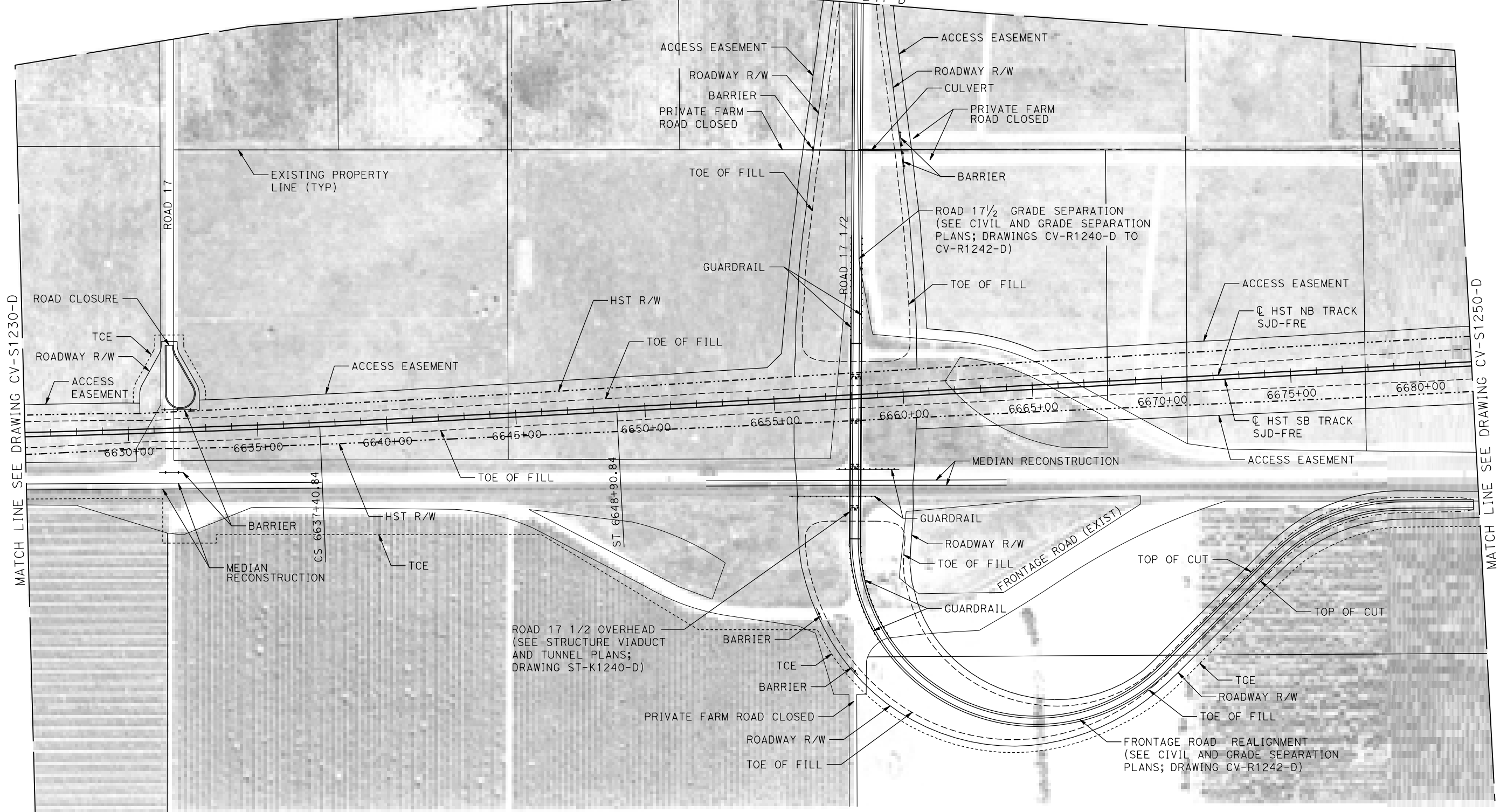
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SCALE
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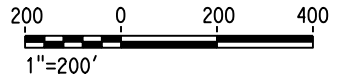
SHEET NO.

MADERA COUNTY

MATCH LINE SEE DRAWING CV-S1241-D



PLAN



11-AUG-2016 16:36 MF-CV-S1240-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6626+00 TO 6682+00

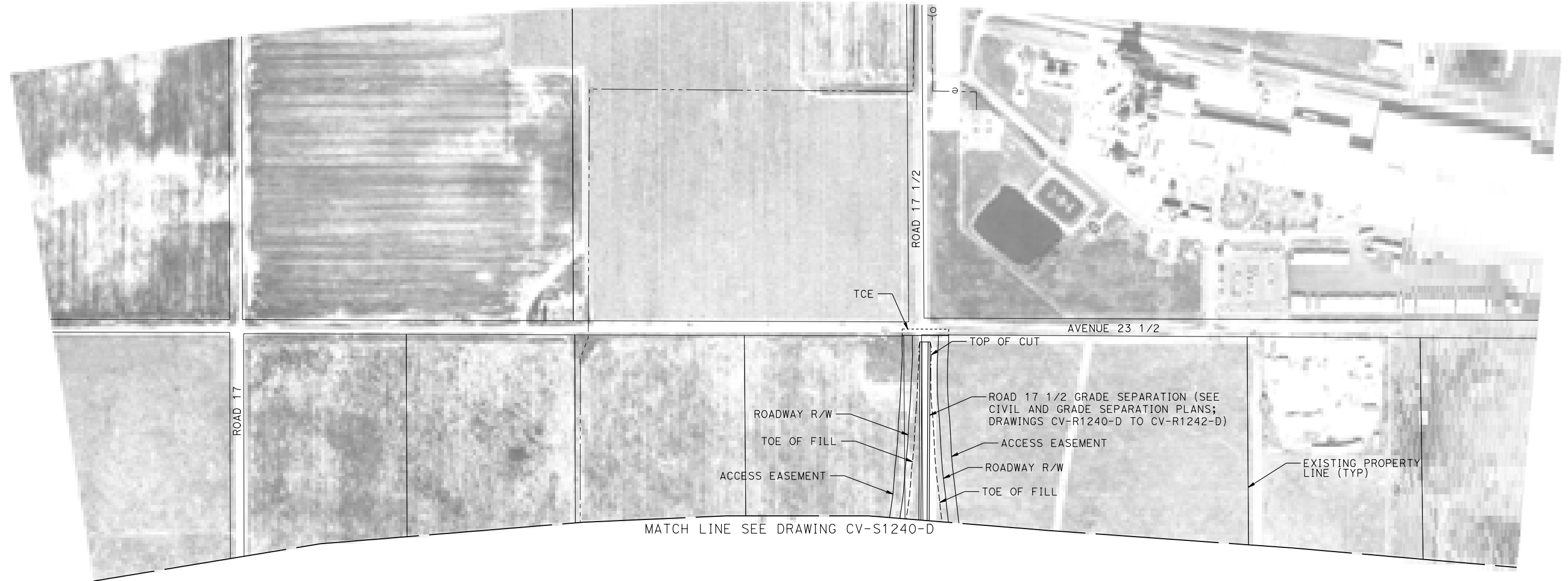
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1240-D

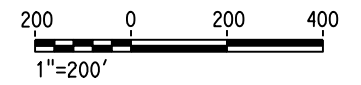
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:36 MF-CV-S1241-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

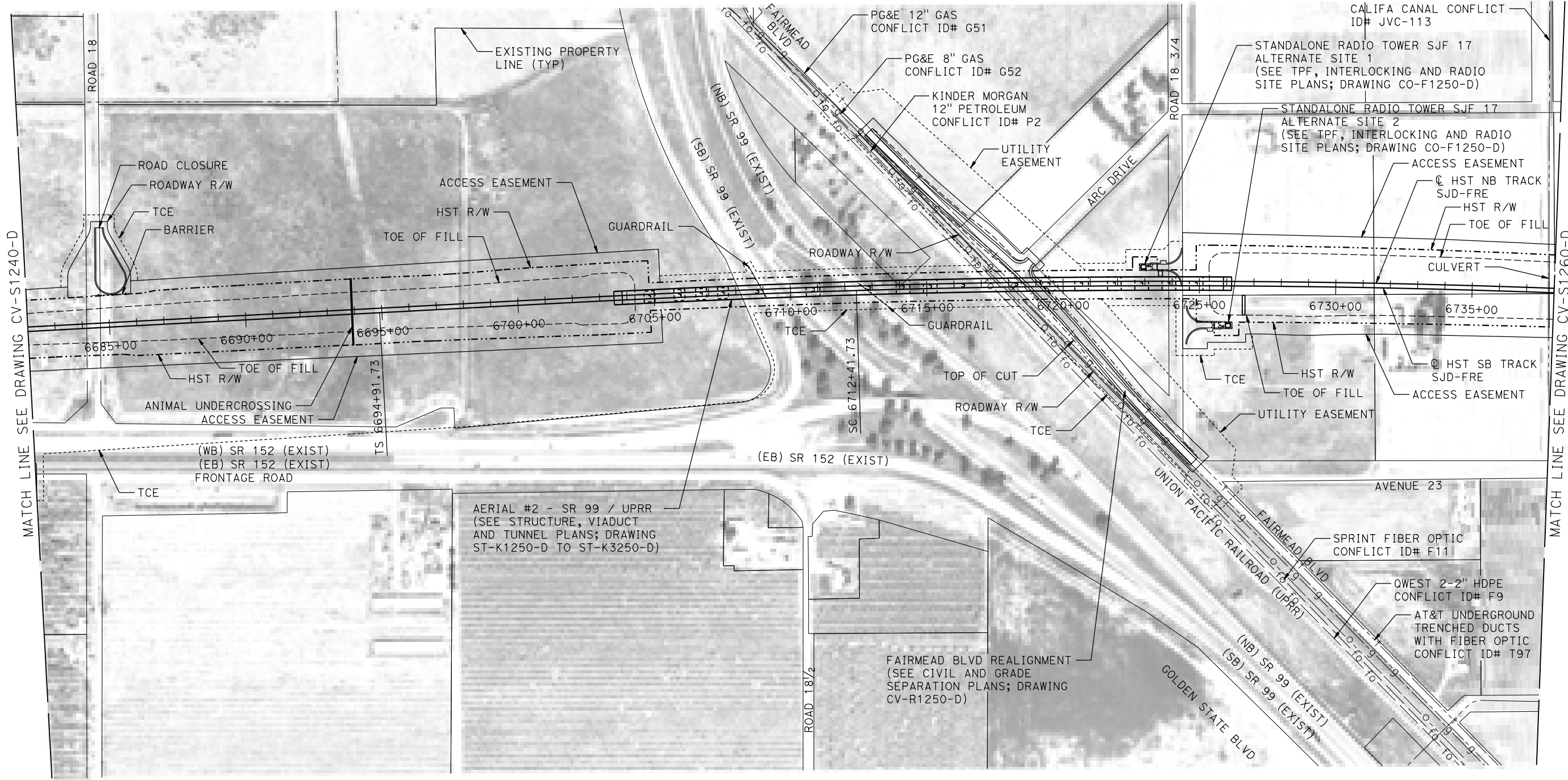
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HSR08-05

DRAWING NO.
CV-S1241-D

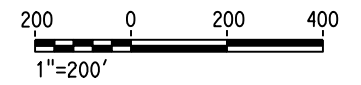
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



16-AUG-2016 10:55 MF-CV-S1250-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

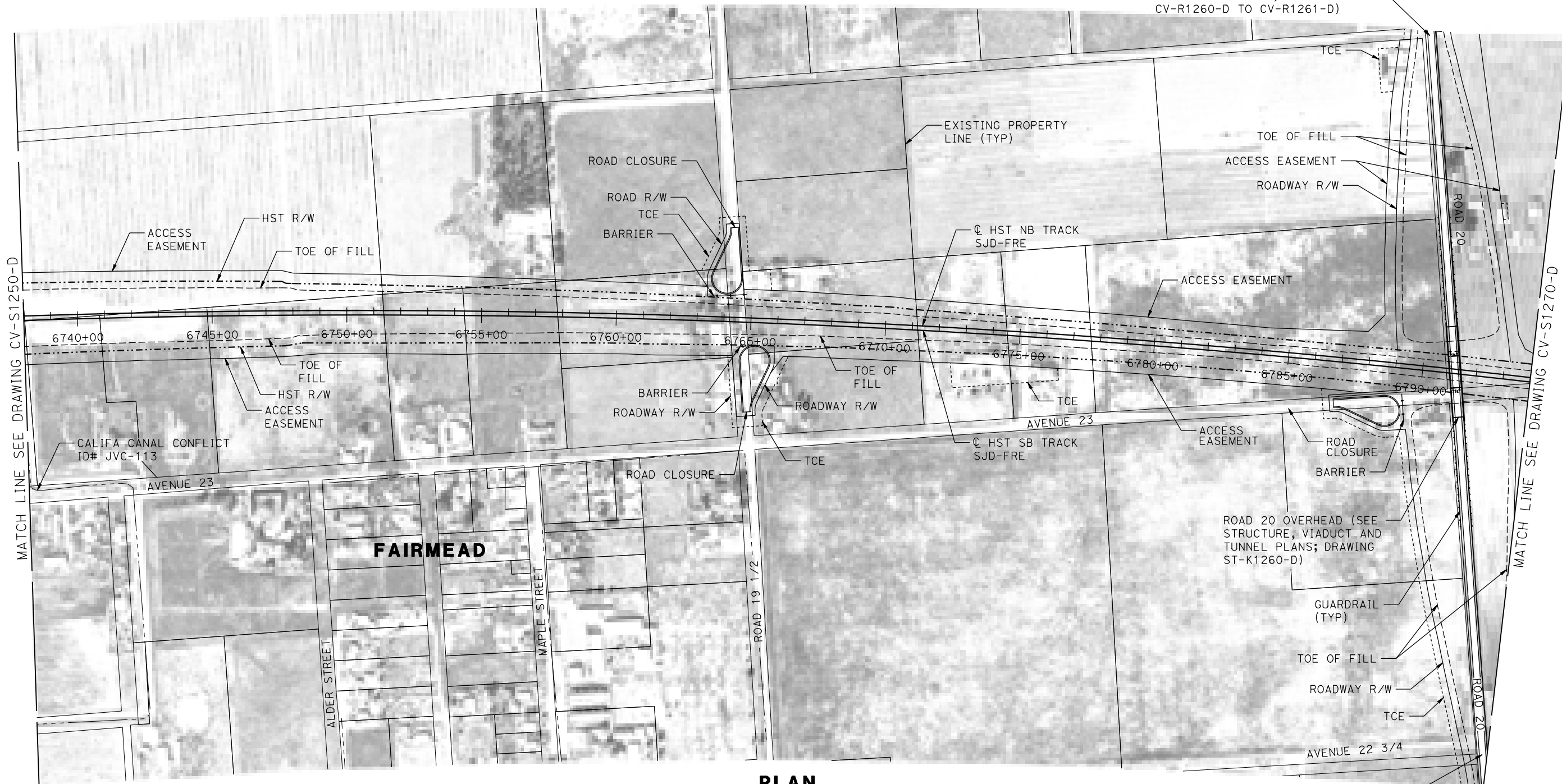


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6682+00 TO 6738+00

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

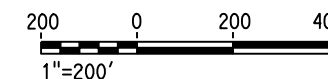
MADERA COUNTY

ROAD 20 GRADE SEPARATION
(SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWINGS
CV-R1260-D TO CV-R1261-D)



PLAN

ROAD 20 GRADE SEPARATION
(SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWINGS
CV-R1260-D TO CV-R1261-D)



11-AUG-2016 16:38 MF-CV-S1260-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

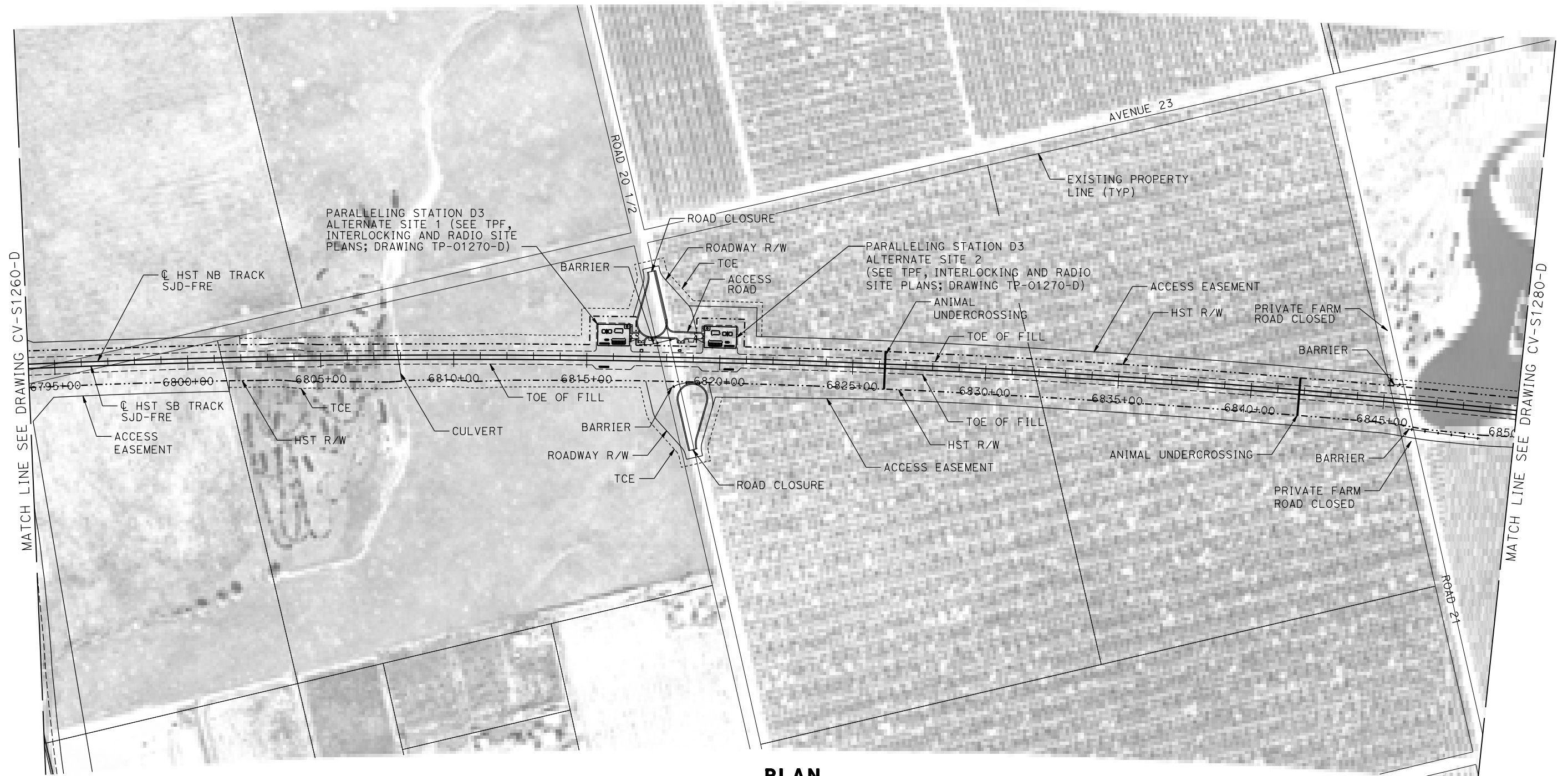
NOT FOR
CONSTRUCTION



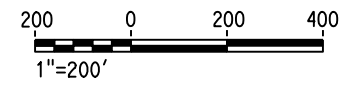
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6738+00 TO 6794+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1260-D
SCALE
1"=200'
SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:39 MF-CV-S1270-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6794+00 TO 6850+00

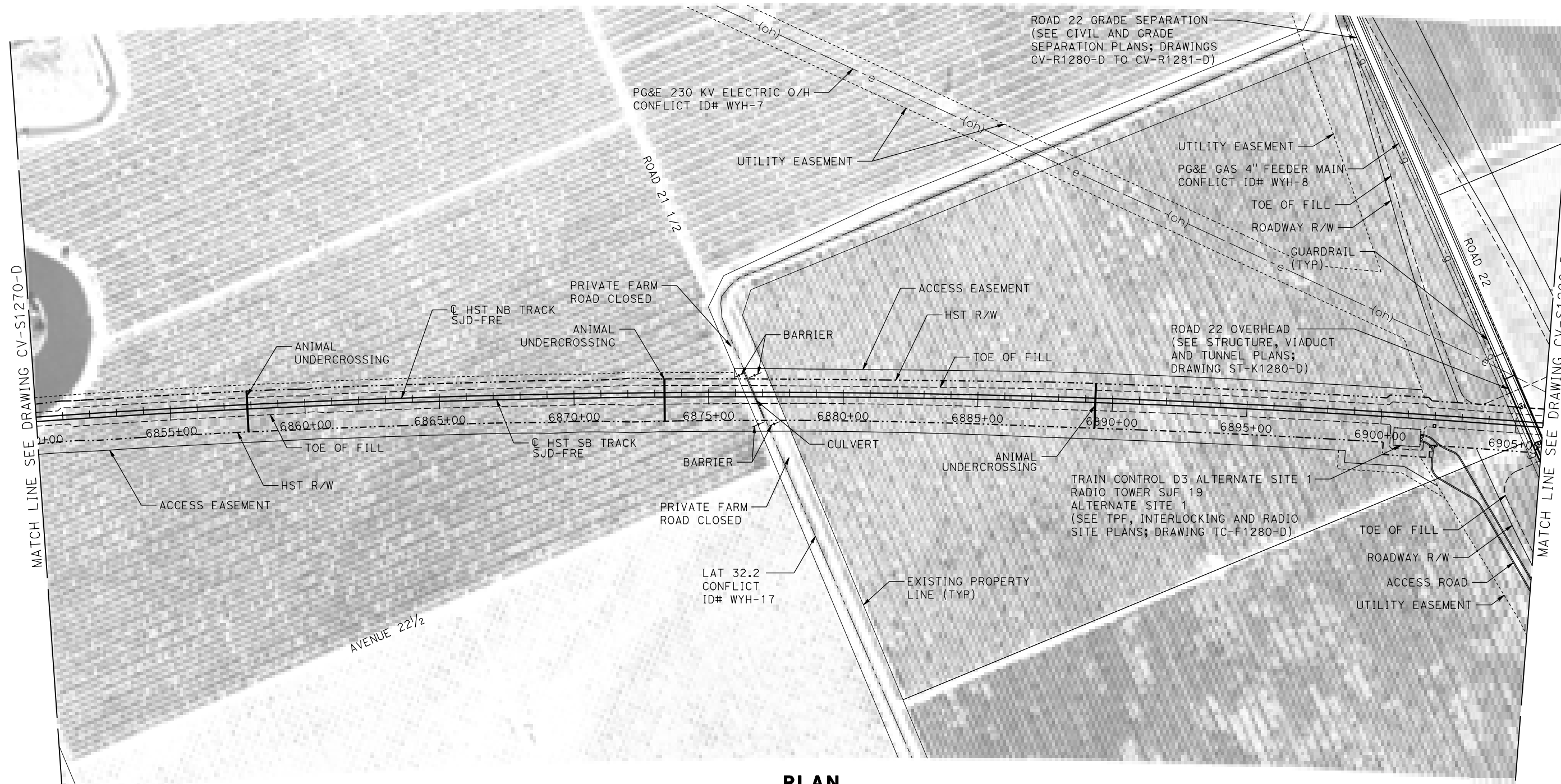
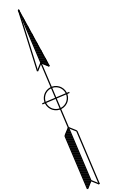
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1270-D

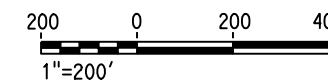
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:39 MF-CV-S1280-D.dgn

P0021811

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6850+00 TO 6906+00

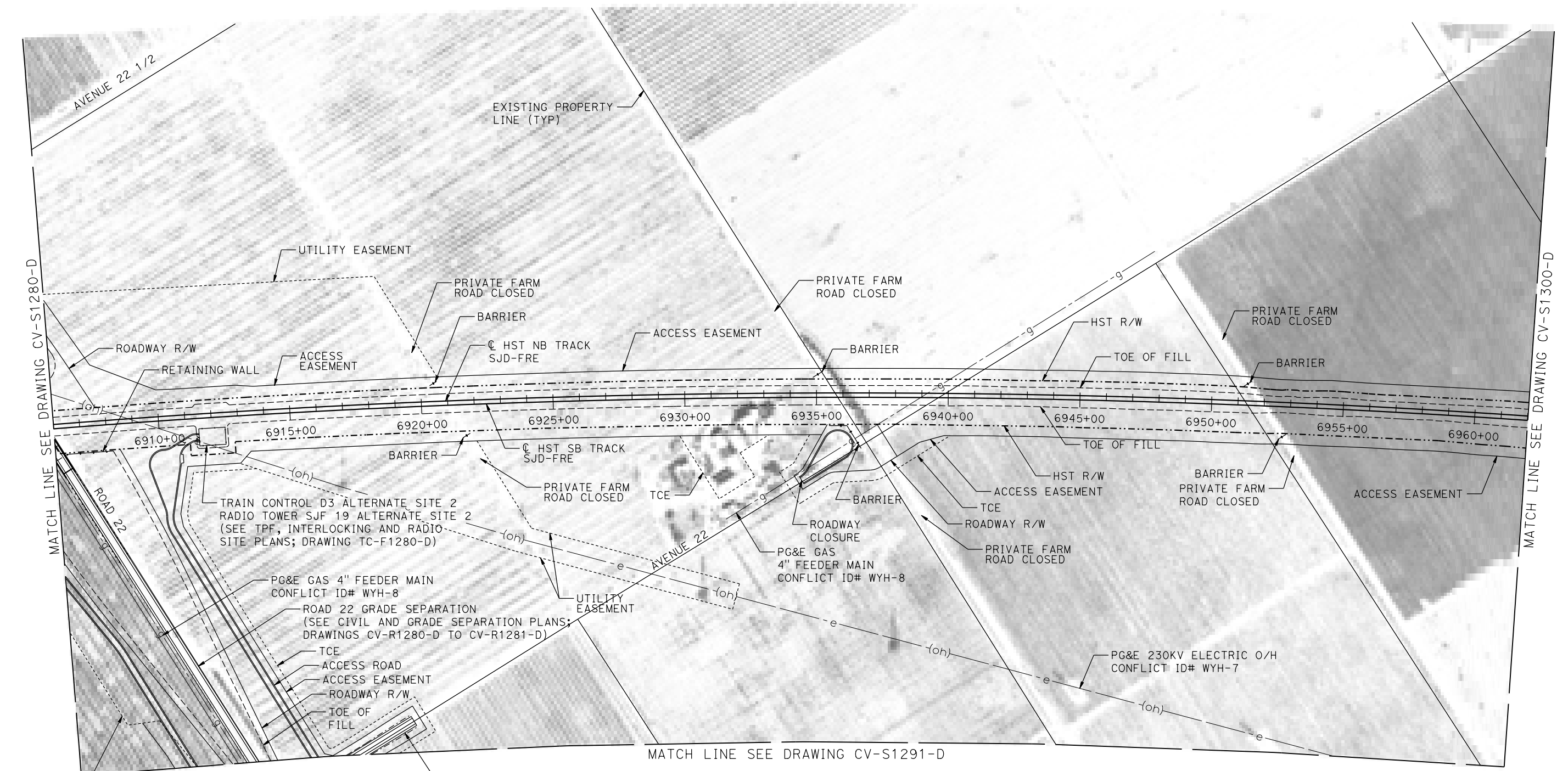
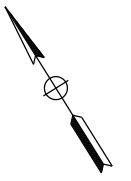
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1280-D

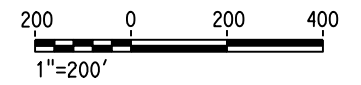
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



12-AUG-2016 11:15 MF-CV-S1290-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6906+00 TO 6962+00

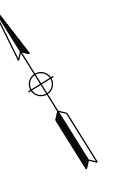
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1290-D

SCALE
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SHEET NO.

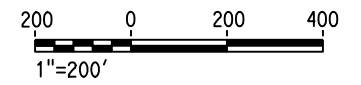
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1290-D



PLAN



11-AUG-2016 16:40 MF-CV-S1291-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

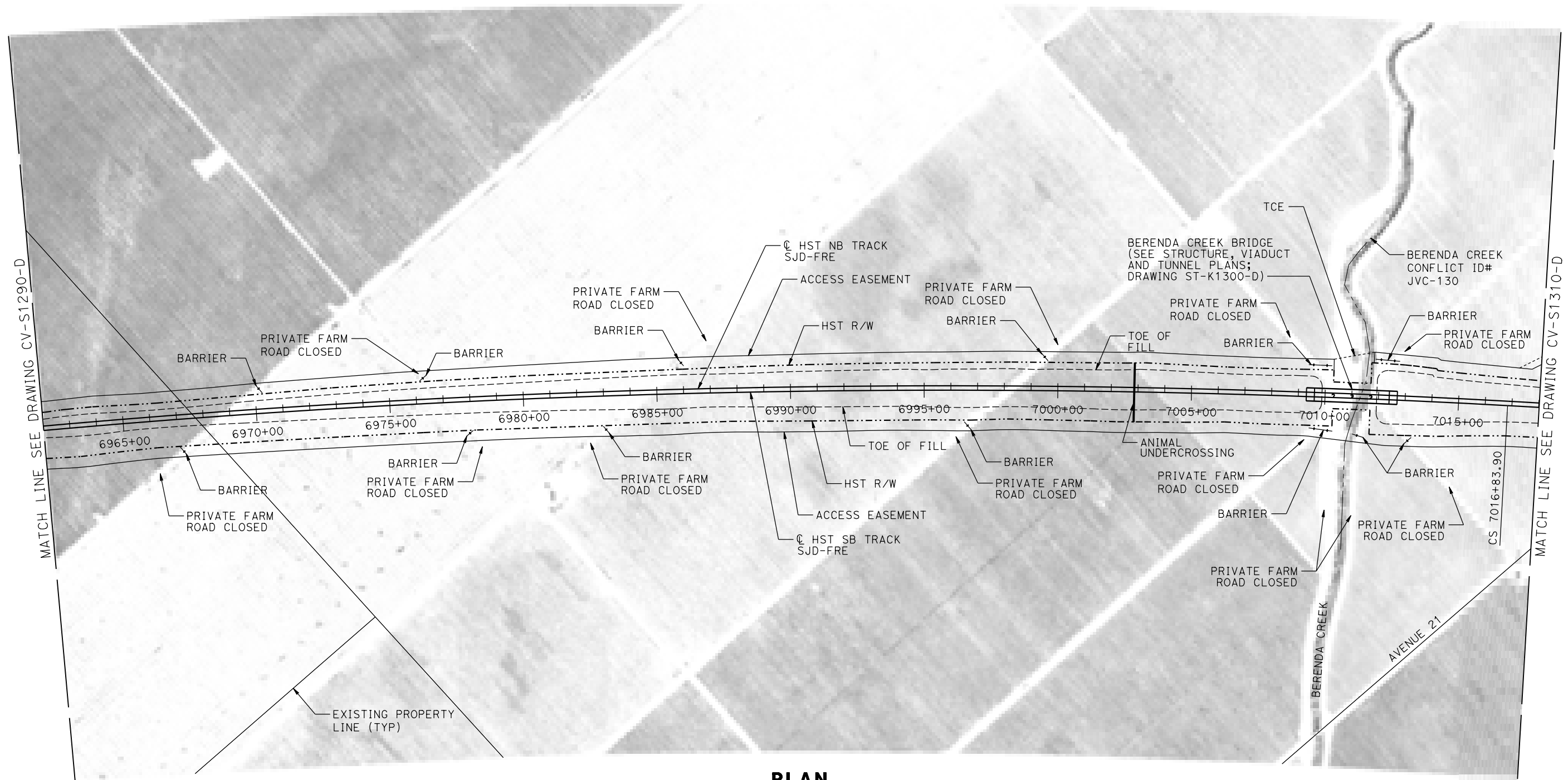
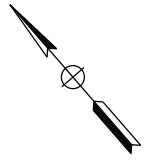
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1291-D

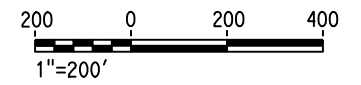
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



31-AUG-2016 9:31 MF-CV-S1300-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6962+00 TO 7018+00

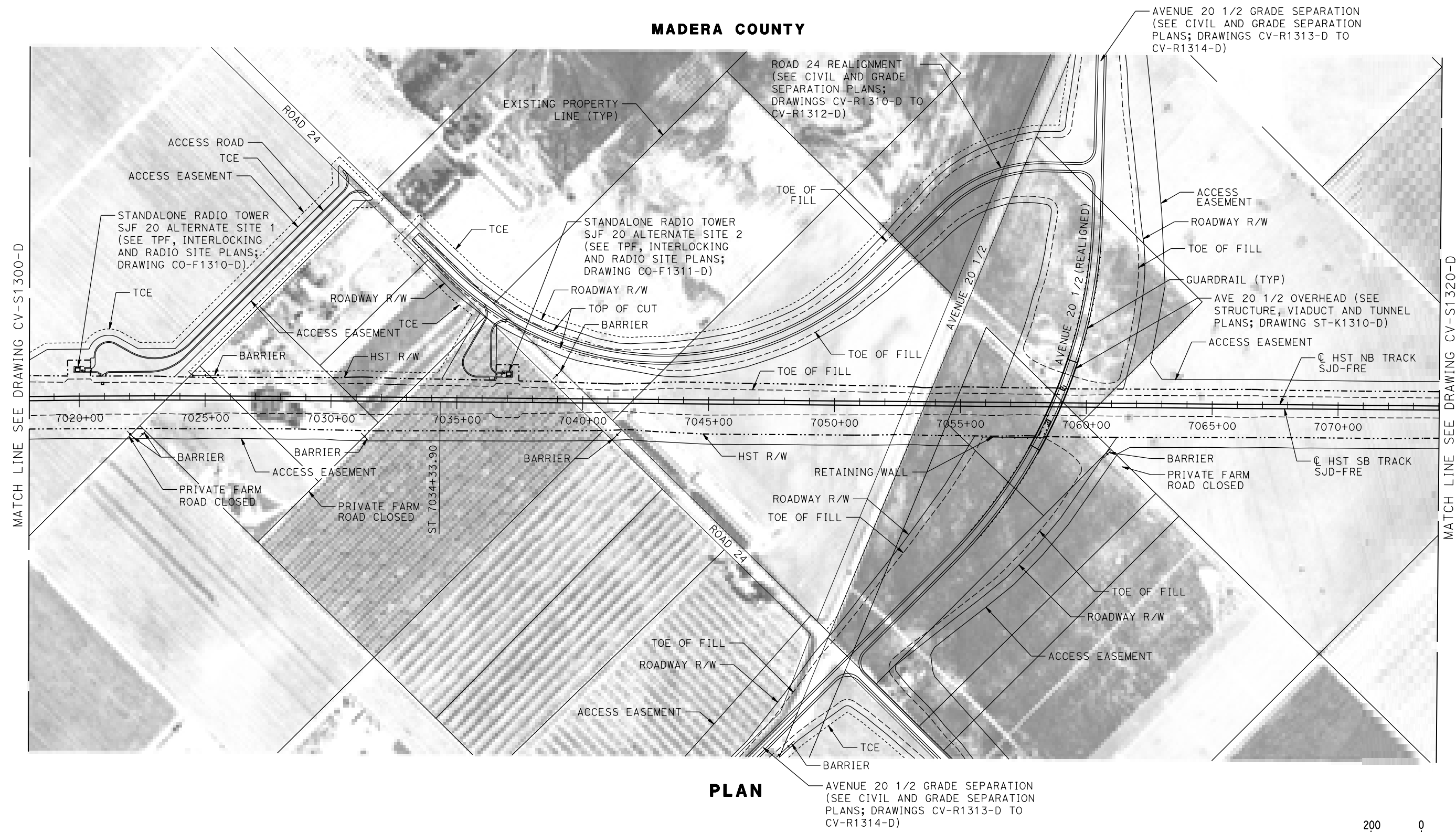
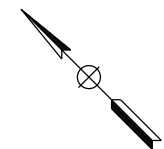
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HSR08-05

DRAWING NO.
CV-S1300-D

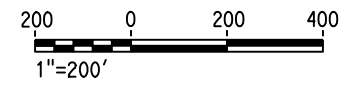
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



12-AUG-2016 16:51 MF-CV-S1310-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7018+00 TO 7074+00

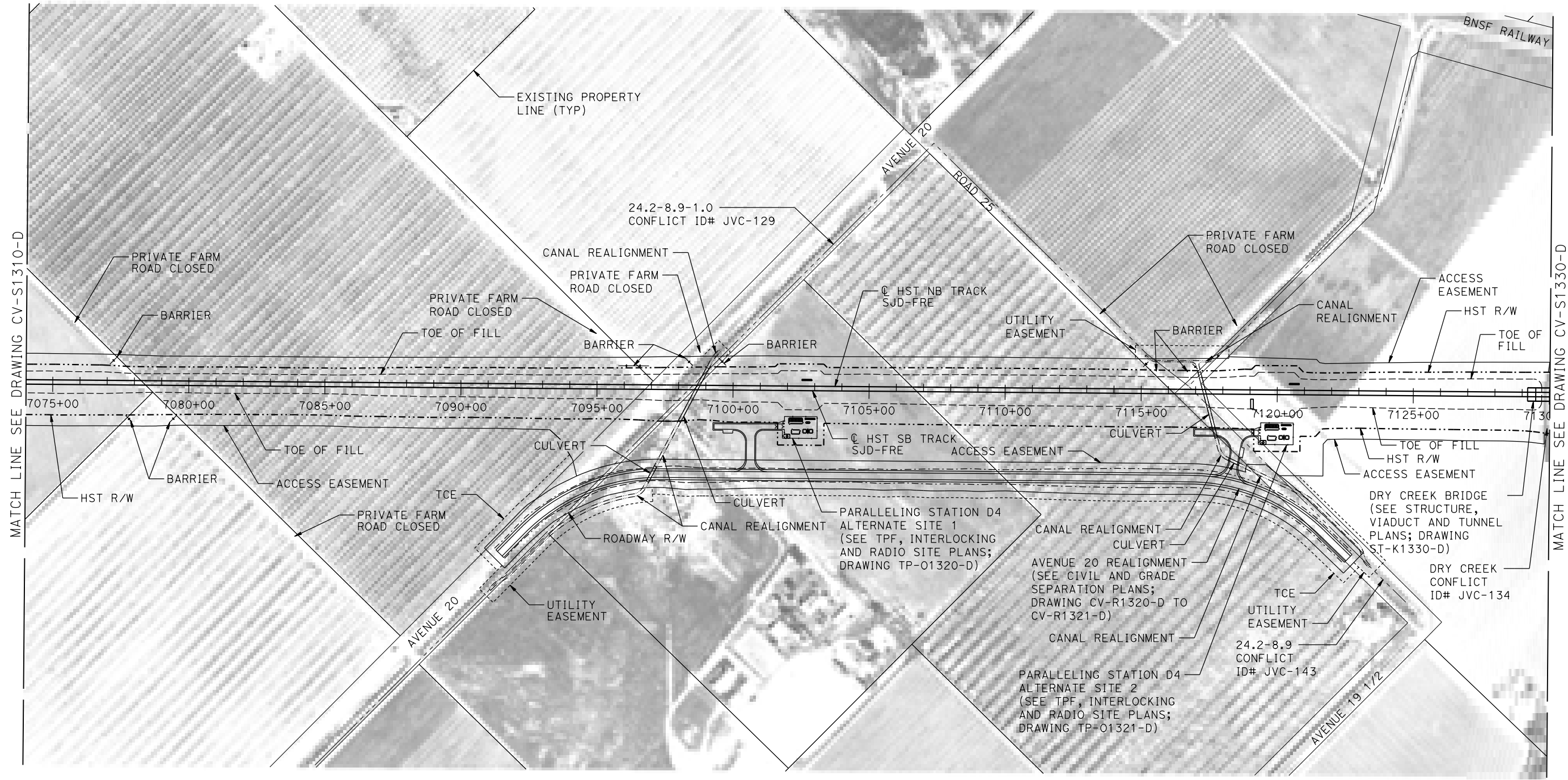
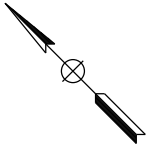
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1310-D

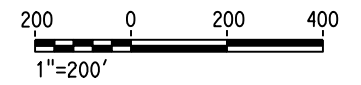
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



12-AUG-2016 11:14 MF-CV-S1320-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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

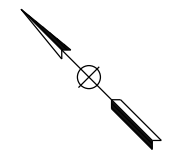
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7074+00 TO 7130+00

CONTRACT NO.
HSR08-05

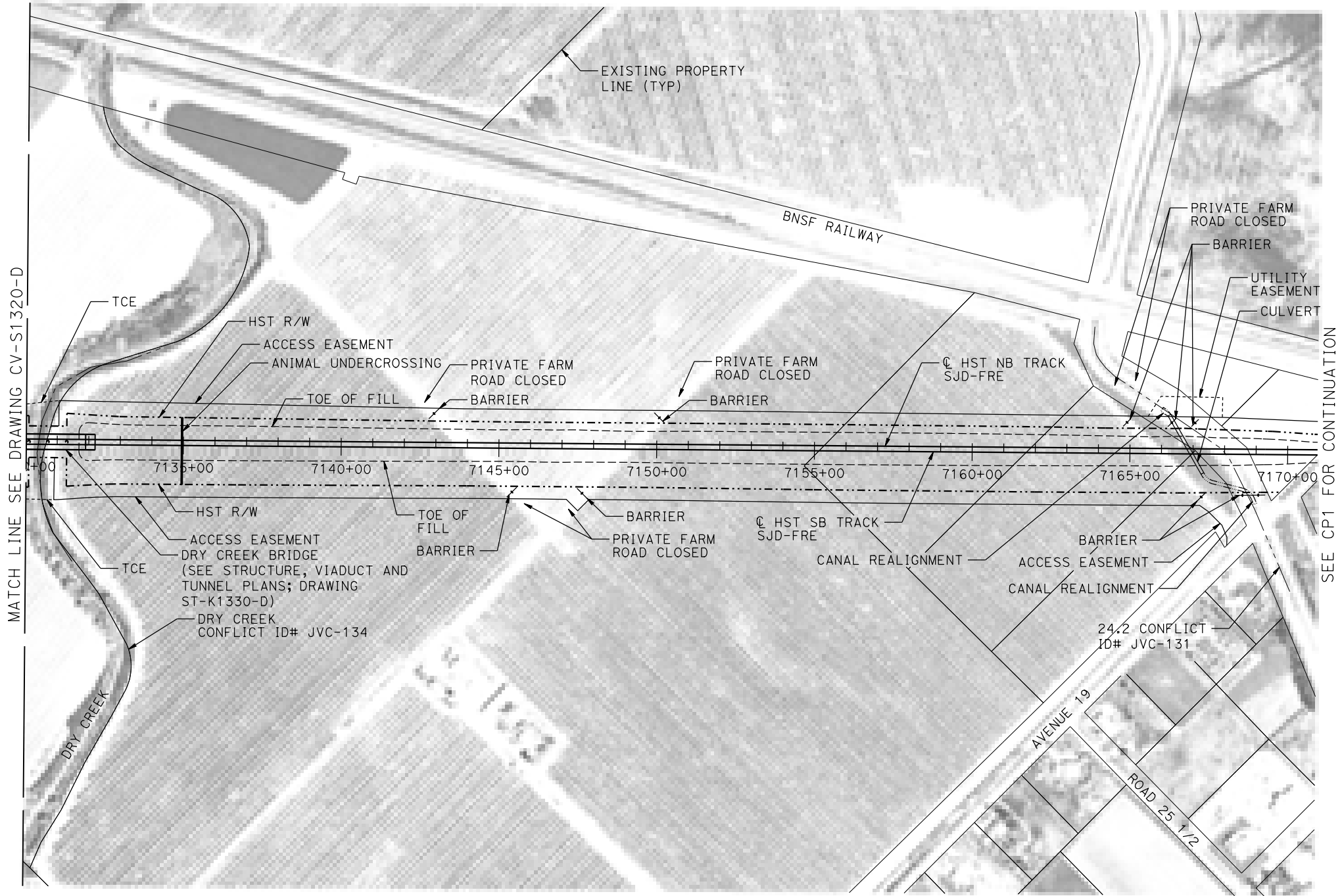
DRAWING NO.
CV-S1320-D

SCALE
1"=200'

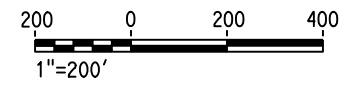
SHEET NO.



MADERA COUNTY



PLAN



31-AUG-2016 9:31 MF-CV-S1330-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

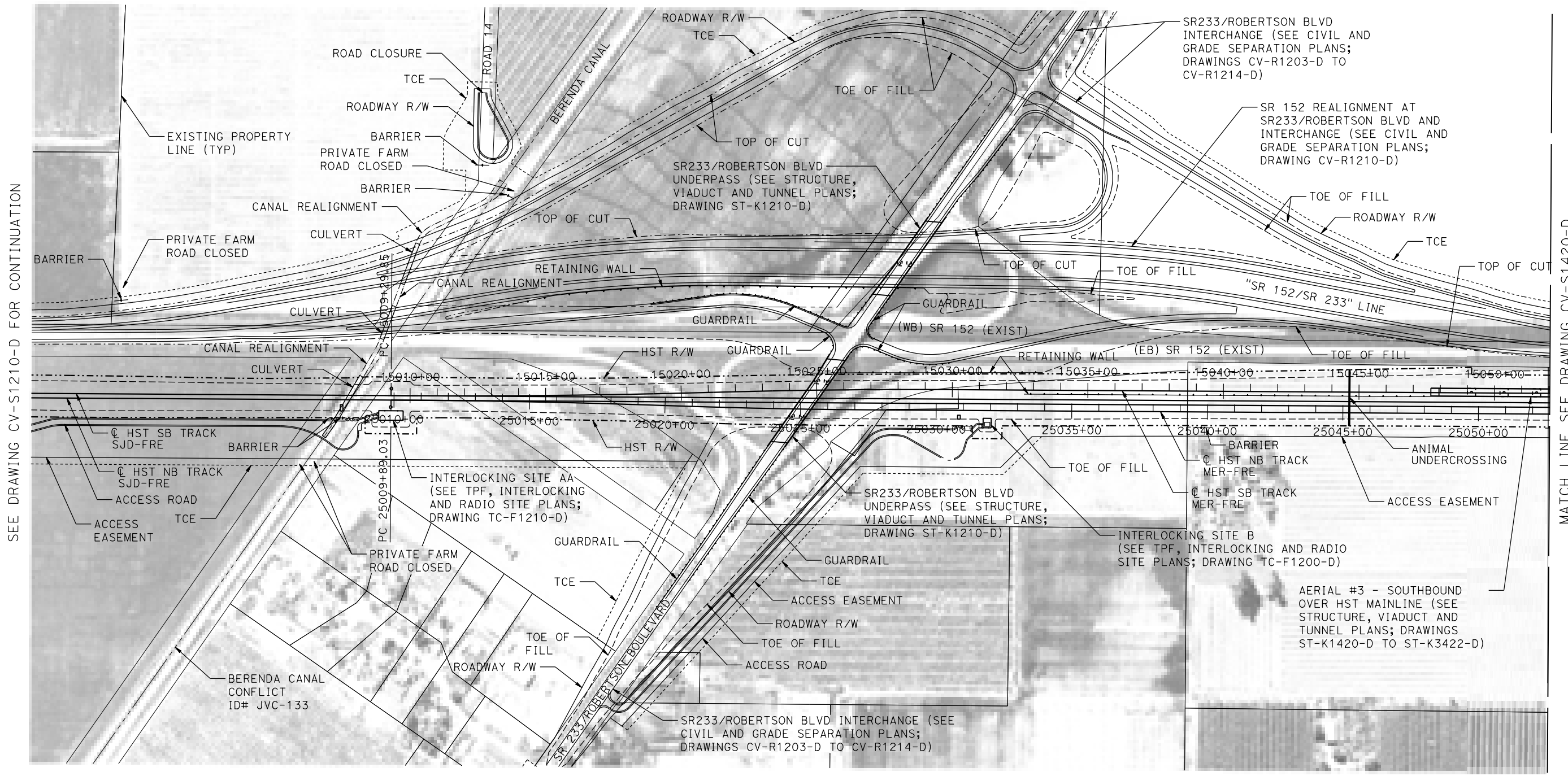
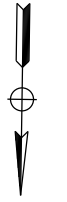
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7130+00 TO 7170+94.51

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

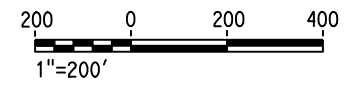
MADERA COUNTY



SEE DRAWING CV-S1210-D FOR CONTINUATION

MATCH LINE SEE DRAWING CV-S1420-D

PLAN



12-AUG-2016 16:51 MF-CV-S1410-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

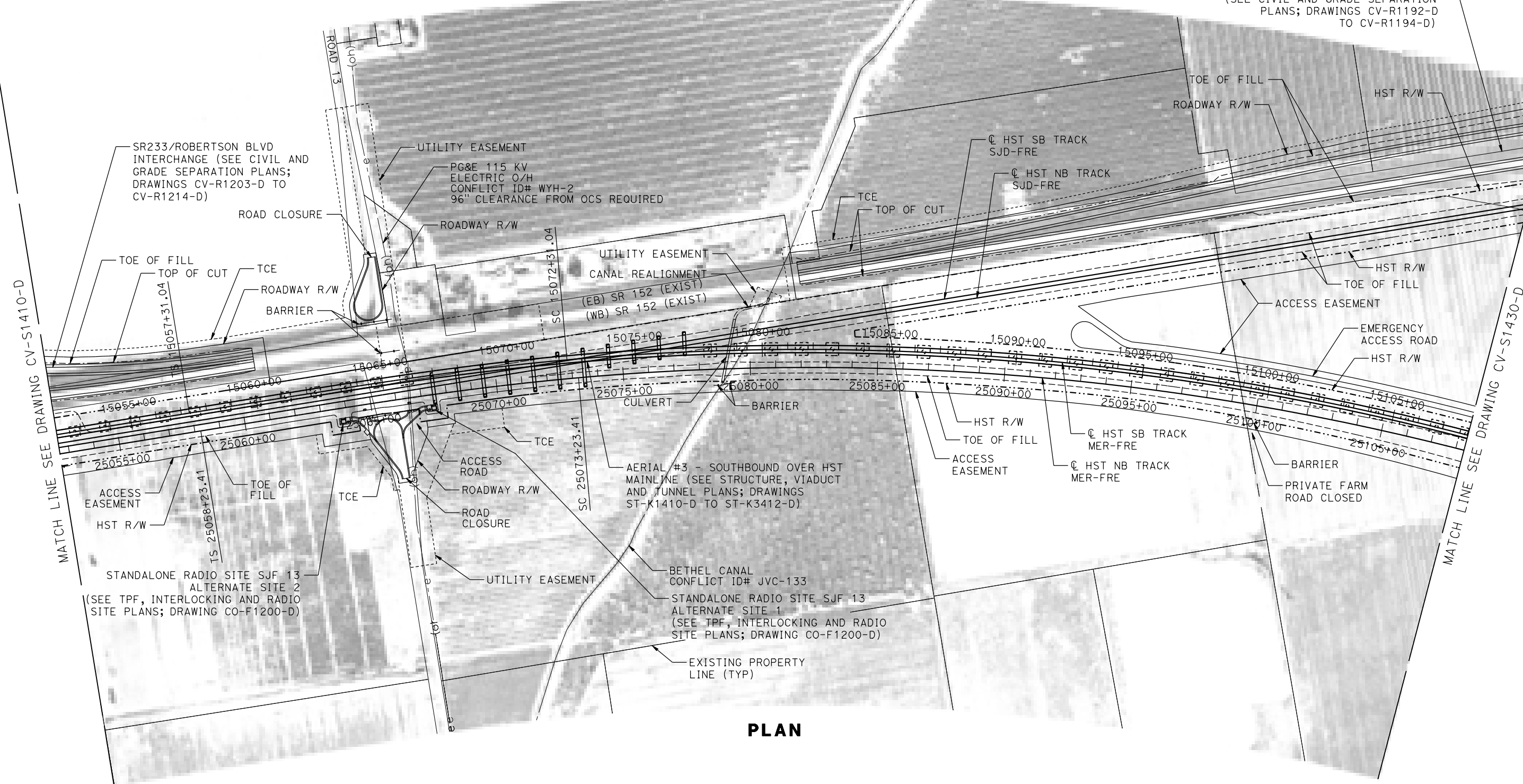


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15009+29.27 TO 15052+00

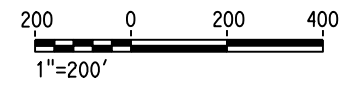
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1410-D
SCALE
1"=200'
SHEET NO.

MADERA COUNTY

SR 152 AT ROAD 12 REALIGNMENT
(SEE CIVIL AND GRADE SEPARATION
PLANS; DRAWINGS CV-R1192-D
TO CV-R1194-D)



PLAN



12-AUG-2016 16:52 MF-CV-S1420-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15052+00 TO 15108+00

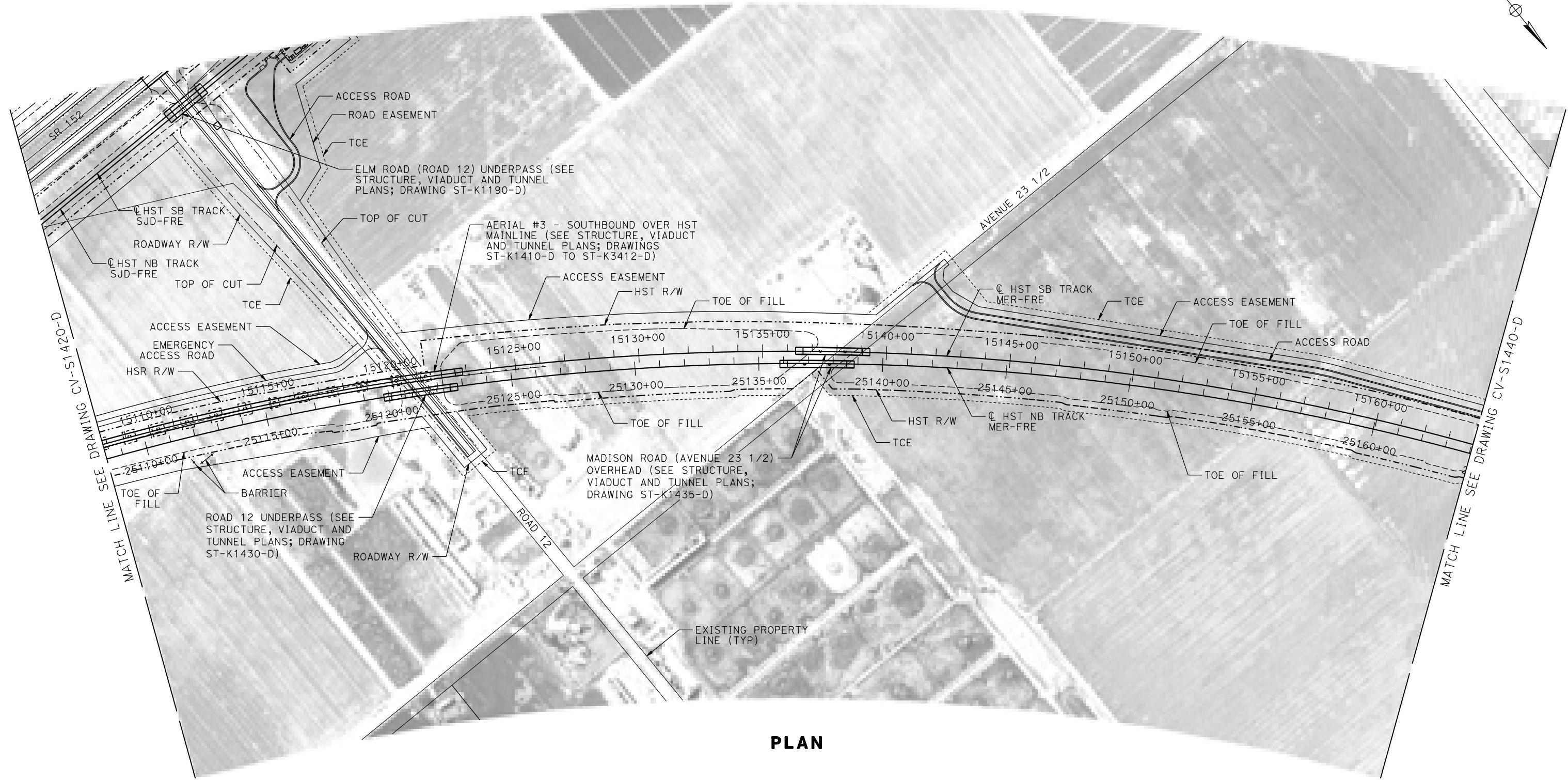
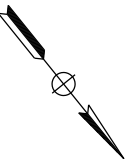
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1420-D

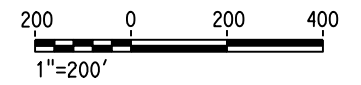
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



31-AUG-2016 9:32 MF-CV-S1430-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15108+00 TO 15164+00

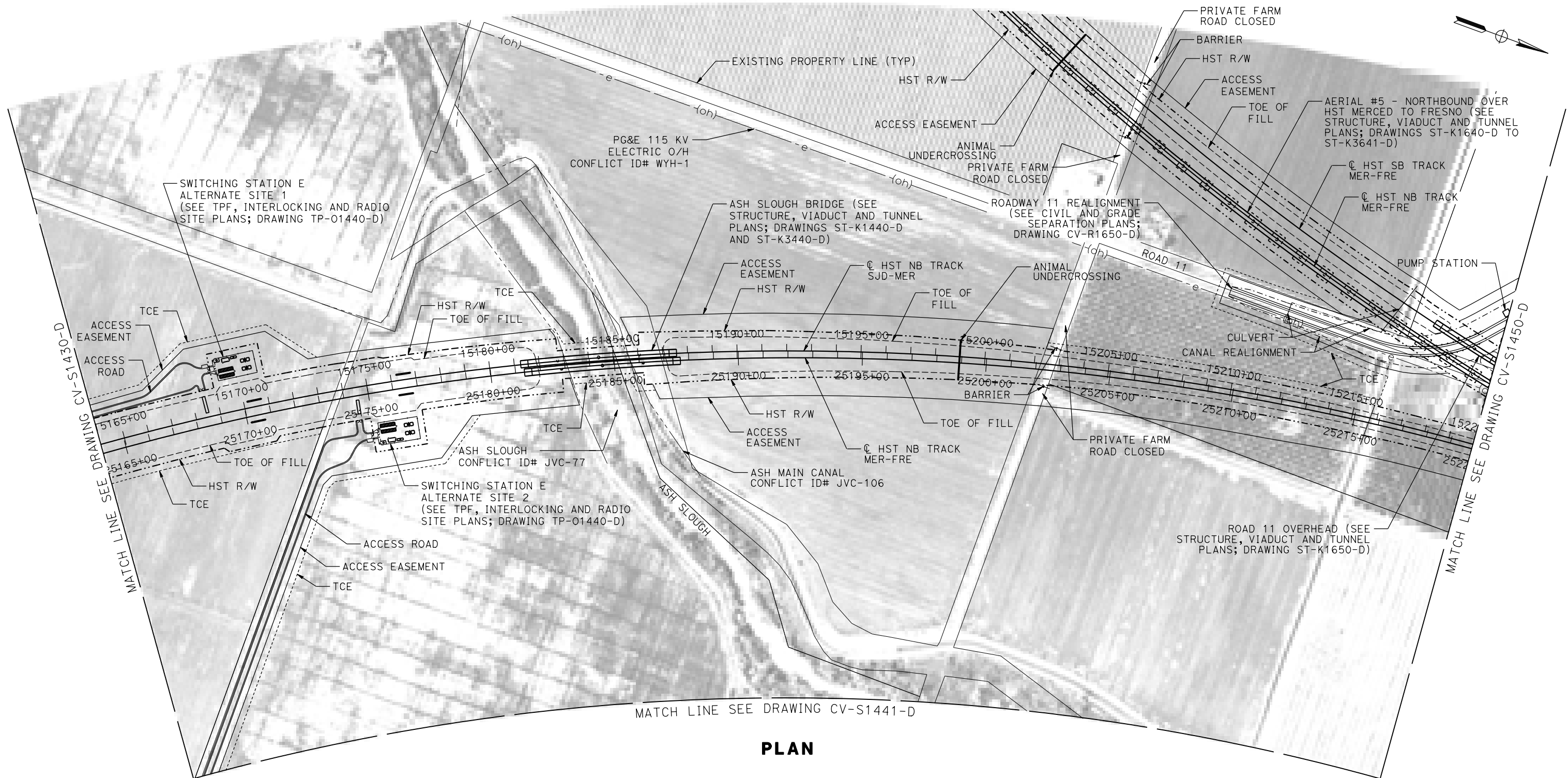
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1430-D

SCALE
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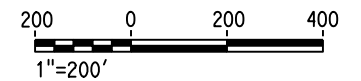
SHEET NO.

MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1441-D

PLAN



31-AUG-2016 9:33 MF-CV-S1440-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

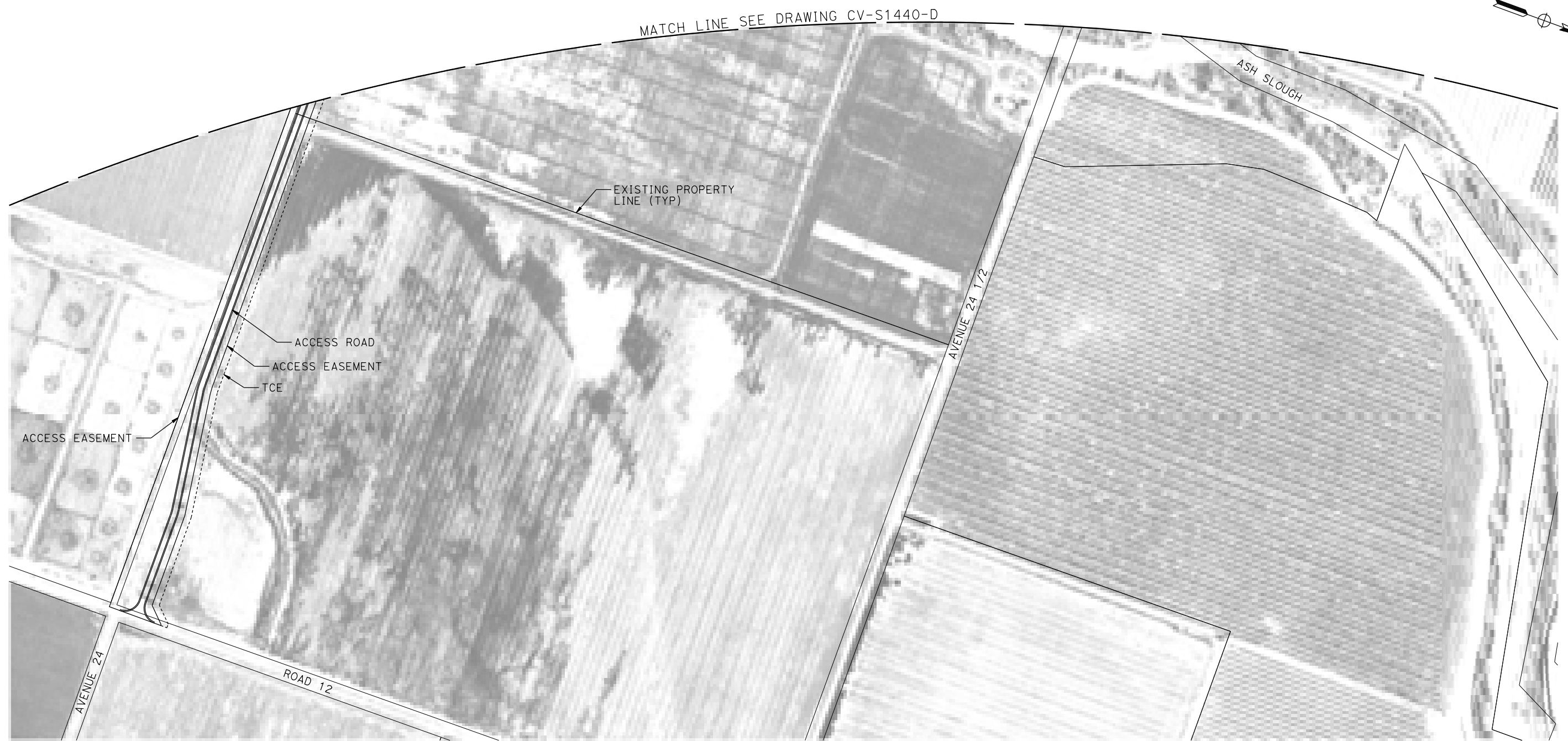
NOT FOR
CONSTRUCTION



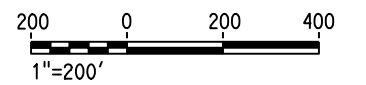
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15164+00 TO 15220+00

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

MADERA COUNTY



PLAN



12-AUG-2016 11:11 MF-CV-S1441-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

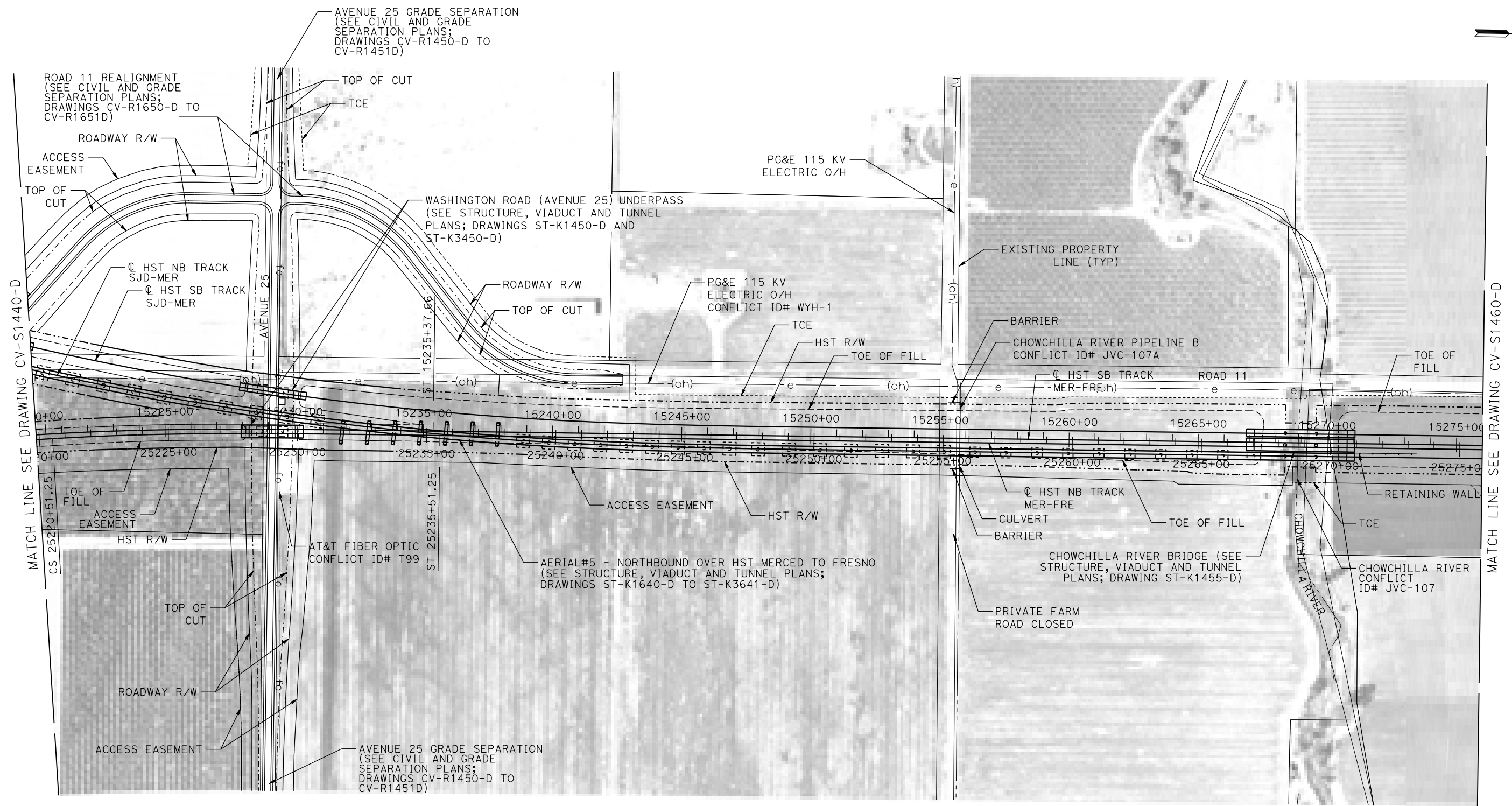
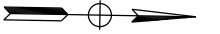
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

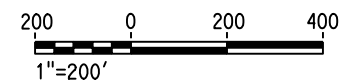


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15164+00 TO 15220+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1441-D
SCALE
1"=200'
SHEET NO.



PLAN



31-AUG-2016 9:34 MF-CV-S1450-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15220+00 TO 15276+00

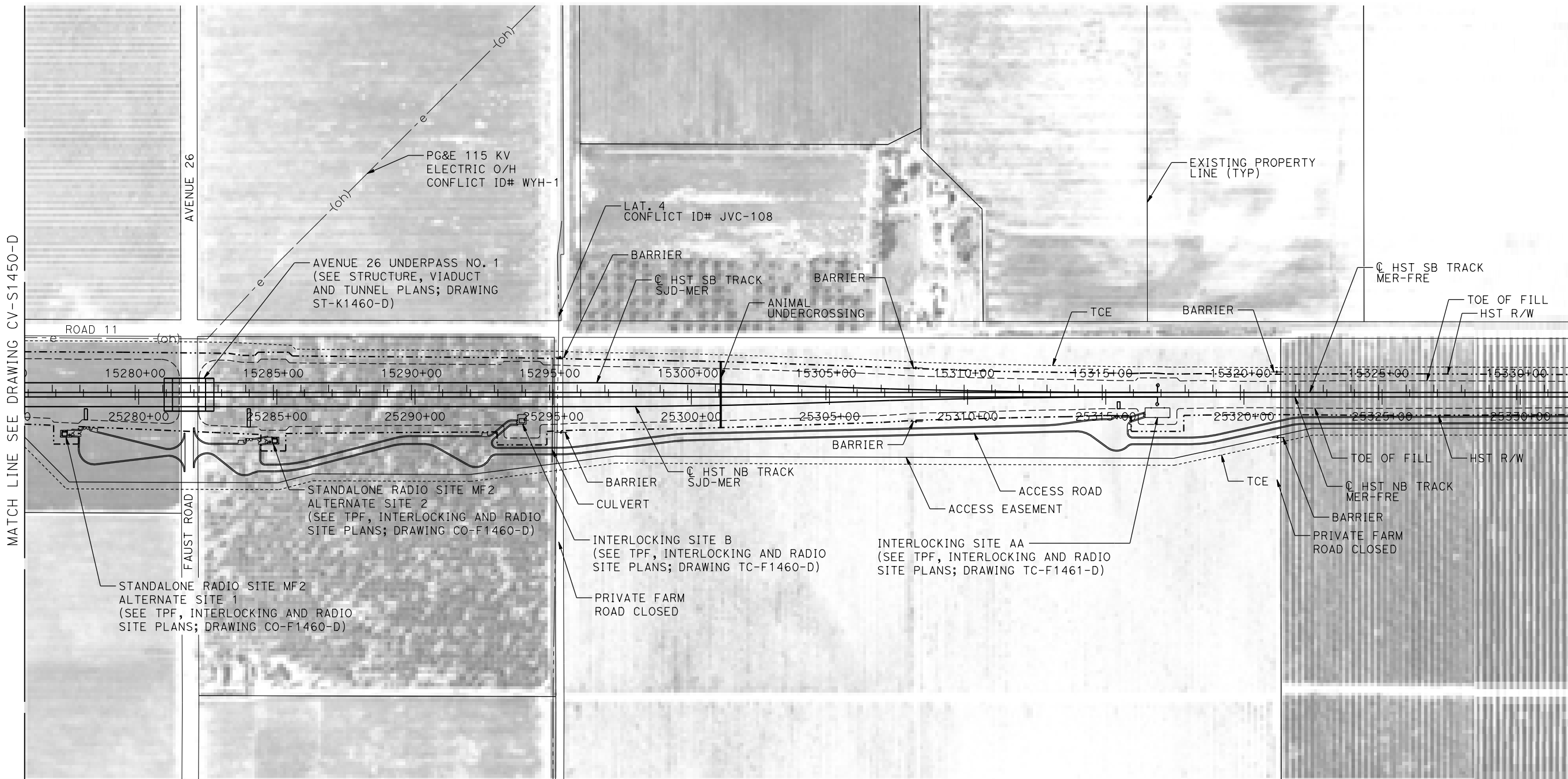
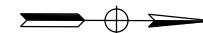
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1450-D

SCALE
1"=200'

SHEET NO.

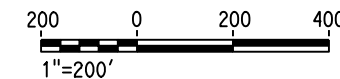
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1450-D

MATCH LINE SEE DRAWING CV-S1470-D

PLAN



12-AUG-2016 16:55 MF-CV-S1460-D.dgn

P0021811

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

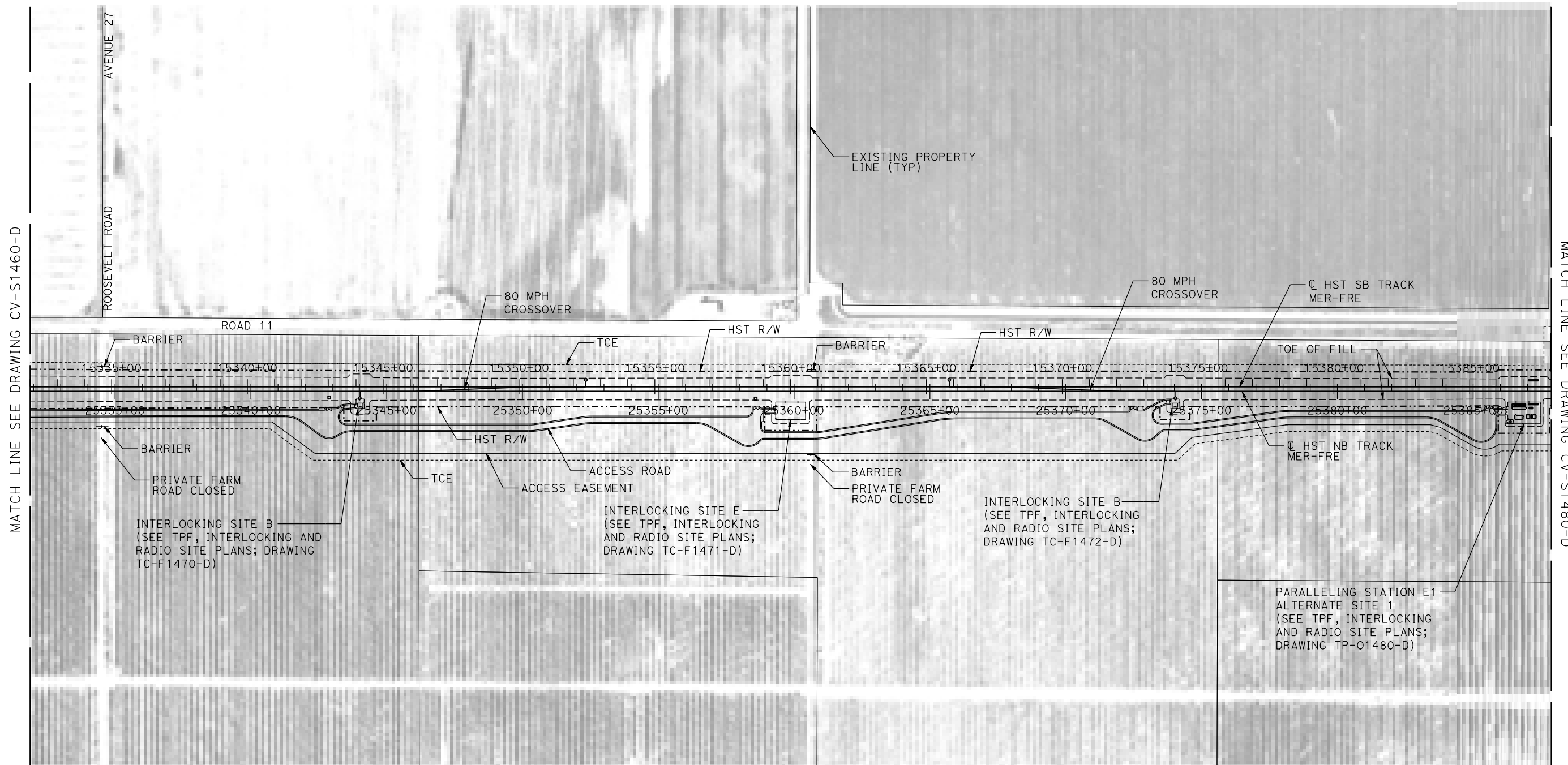
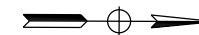
NOT FOR
CONSTRUCTION



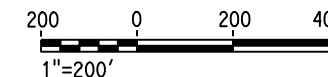
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15276+00 TO 15332+00

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

MERCED COUNTY



PLAN



11-AUG-2016 16:48 MF-CV-S1470-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

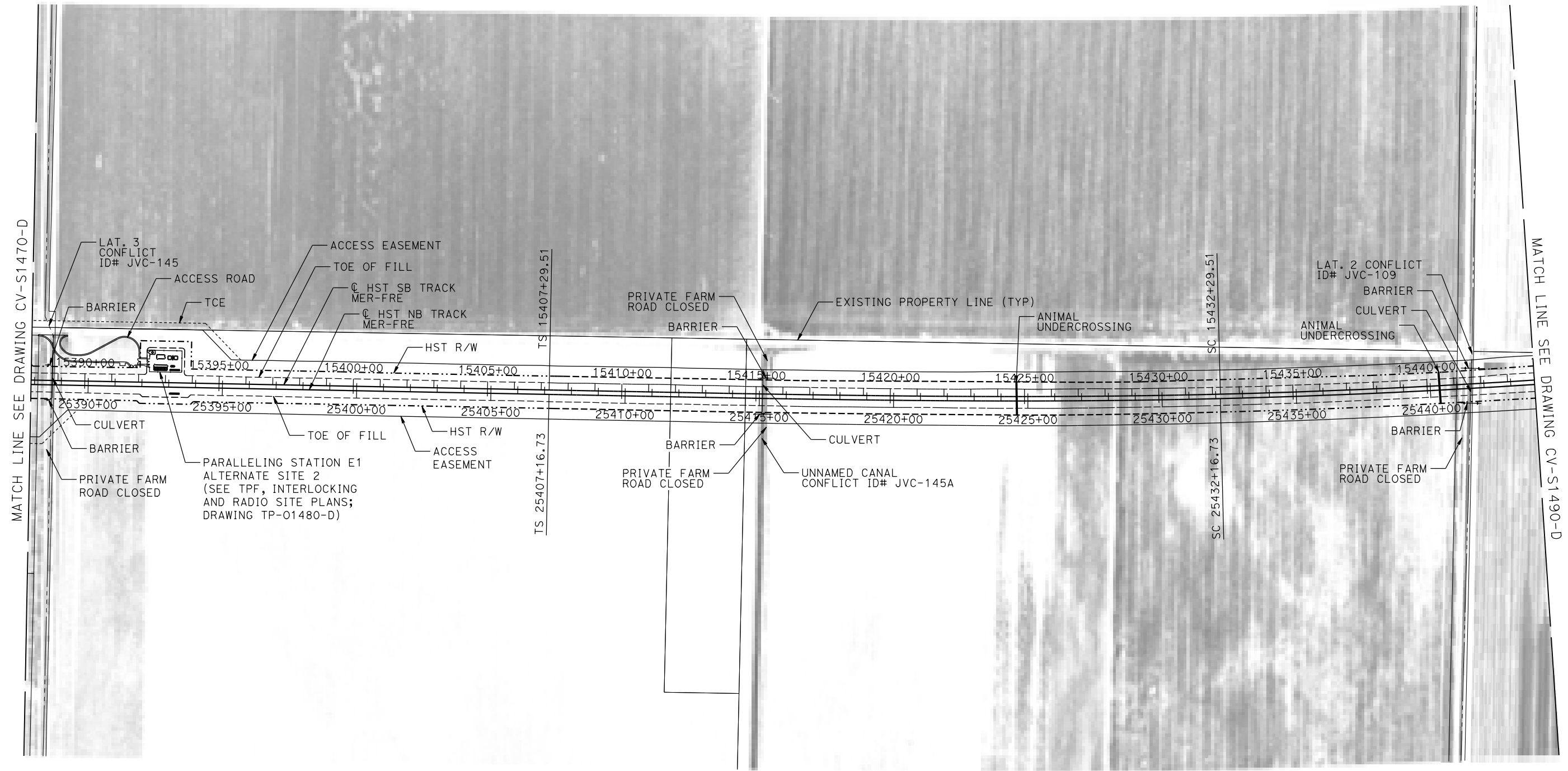
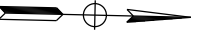


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

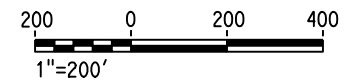
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15332+00 TO 15388+00

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

MERCED COUNTY



PLAN



12-AUG-2016 16:55 MF-CV-S1480-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15388+00 TO 15444+00

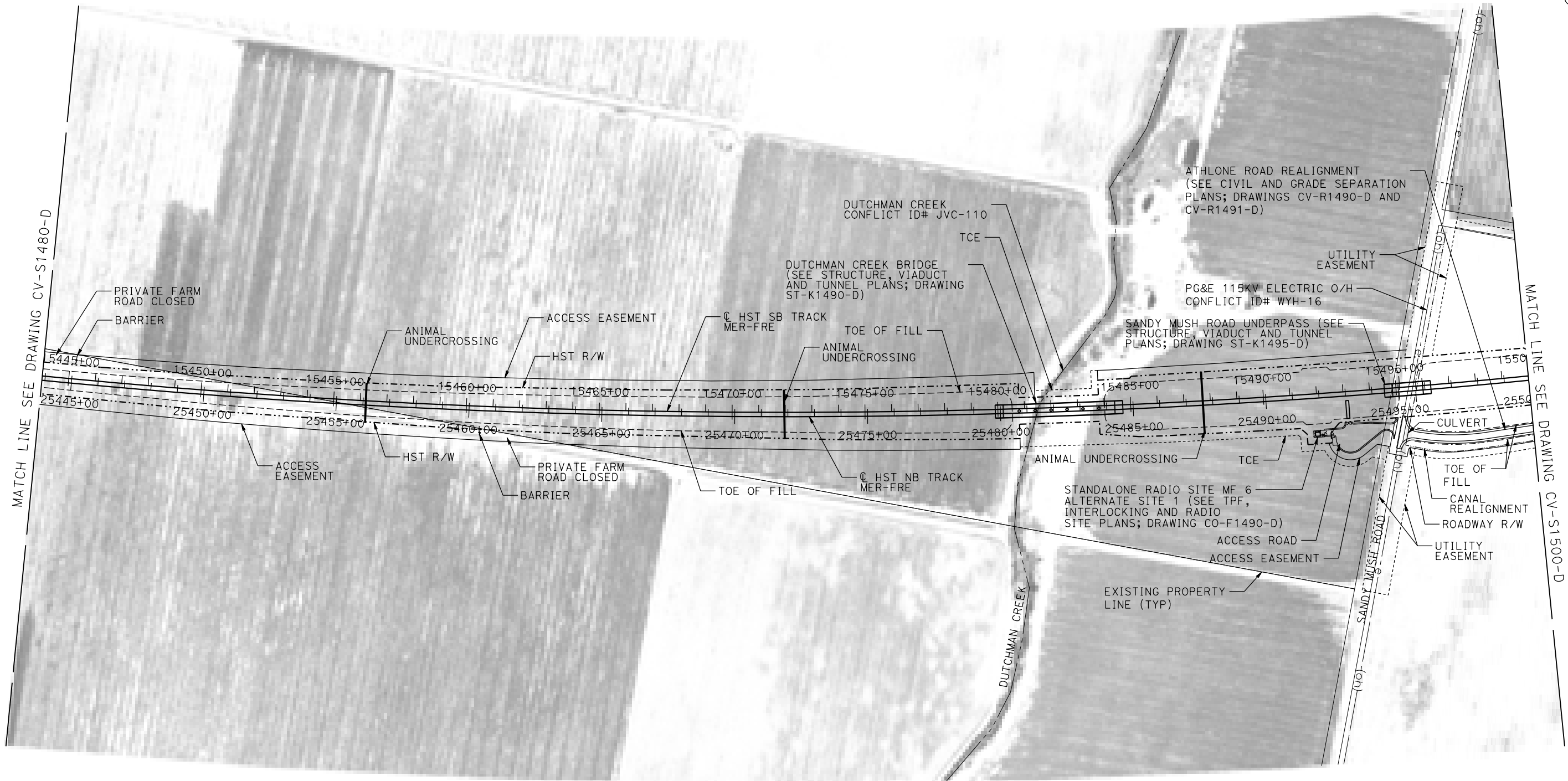
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HSR08-05

DRAWING NO.
CV-S1480-D

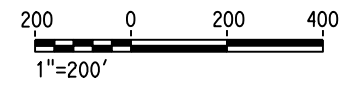
SCALE
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SHEET NO.

MERCED COUNTY



PLAN



17-NOV-2016 01:30 MF-CV-S1490-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
11/18/2016

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 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15444+00 TO 15500+00

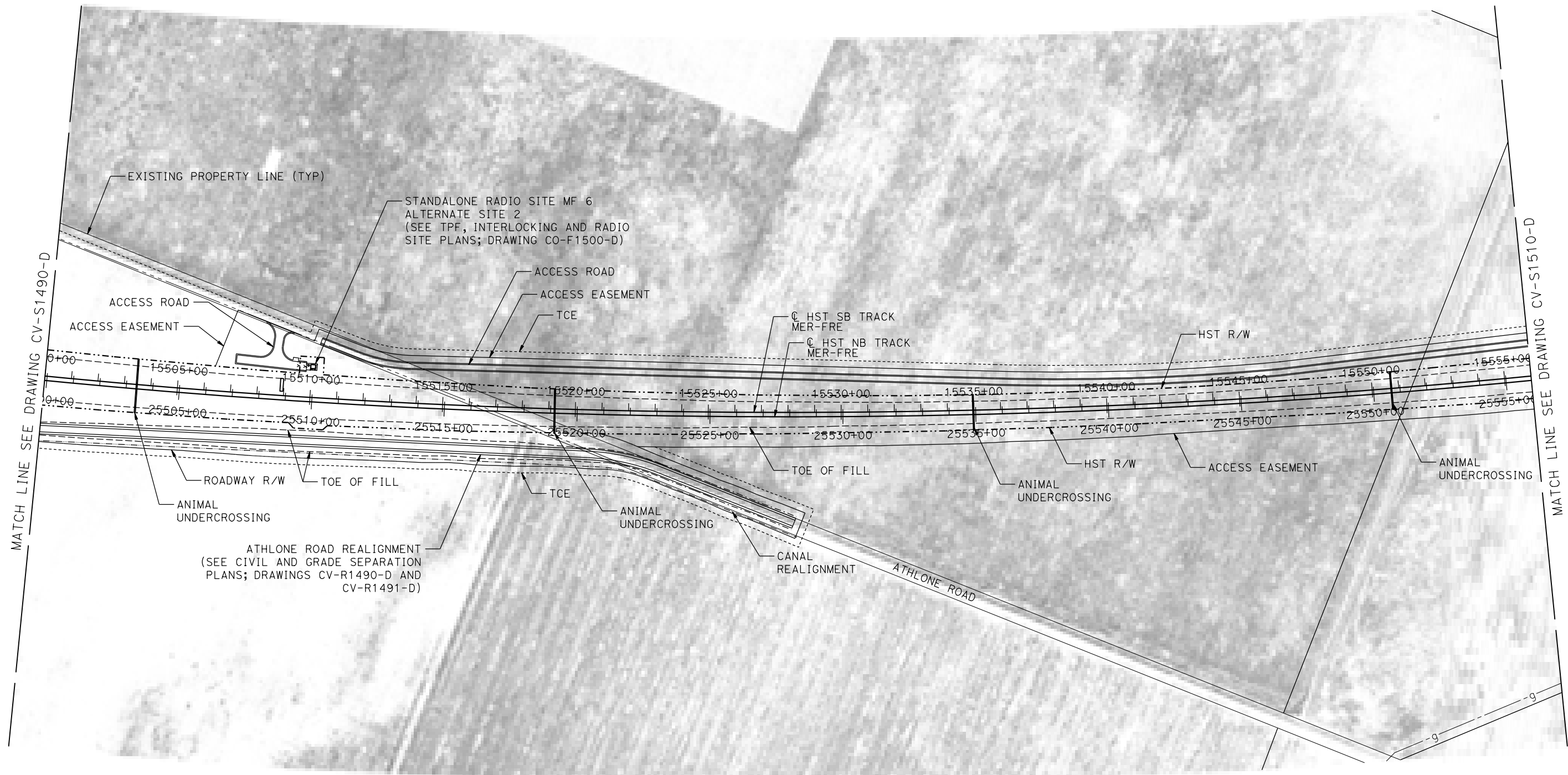
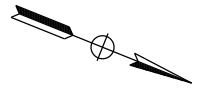
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1490-D

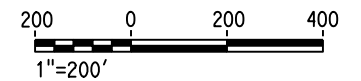
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-NOV-2016 10:33 MF-CV-S1500-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
11/18/2016

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 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15500+00 TO 15556+00

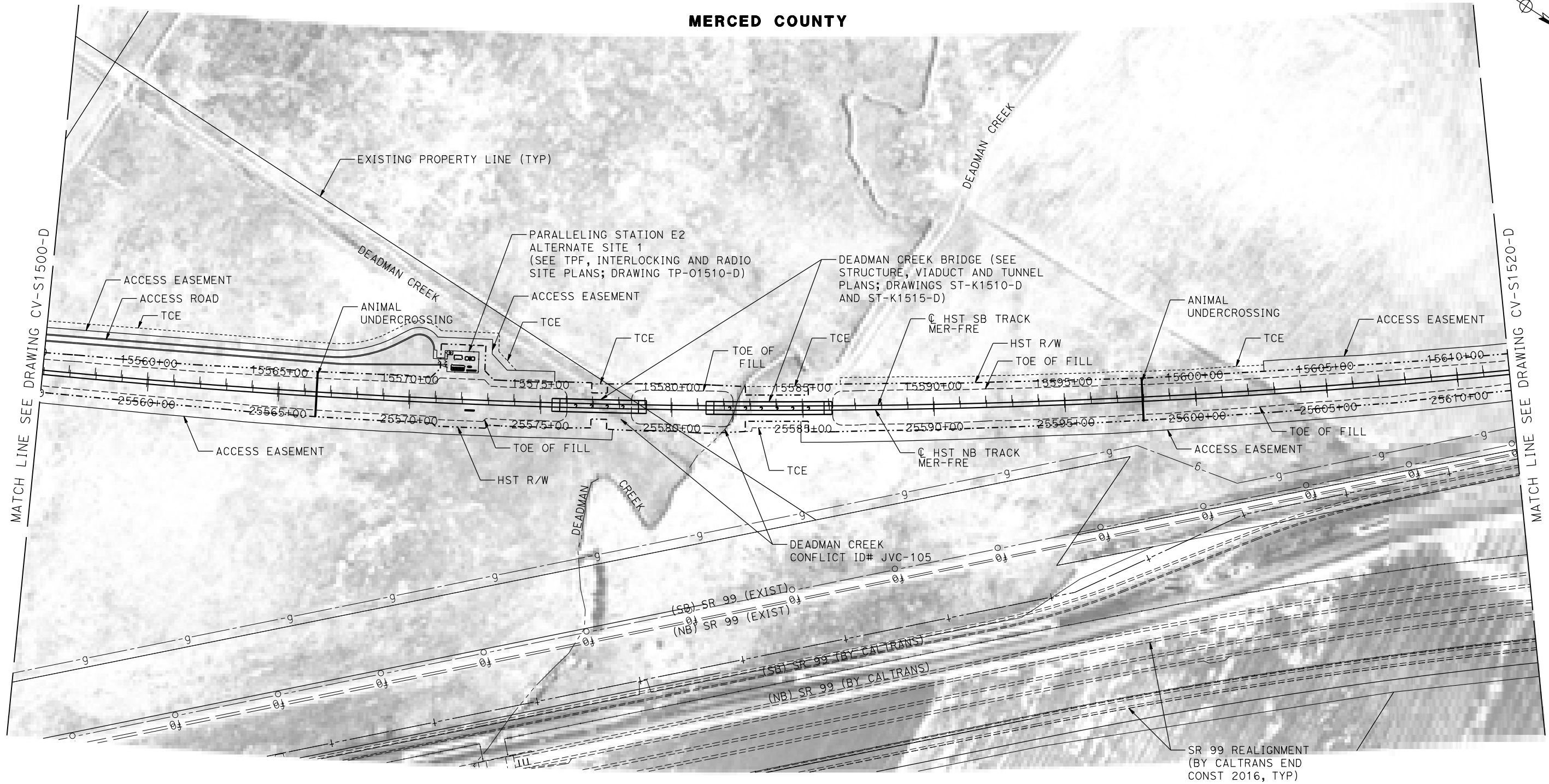
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1500-D

SCALE
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SHEET NO.

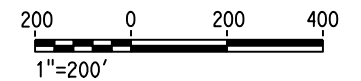
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1500-D

MATCH LINE SEE DRAWING CV-S1520-D

PLAN



31-AUG-2016 9:35 MF-CV-S1510-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

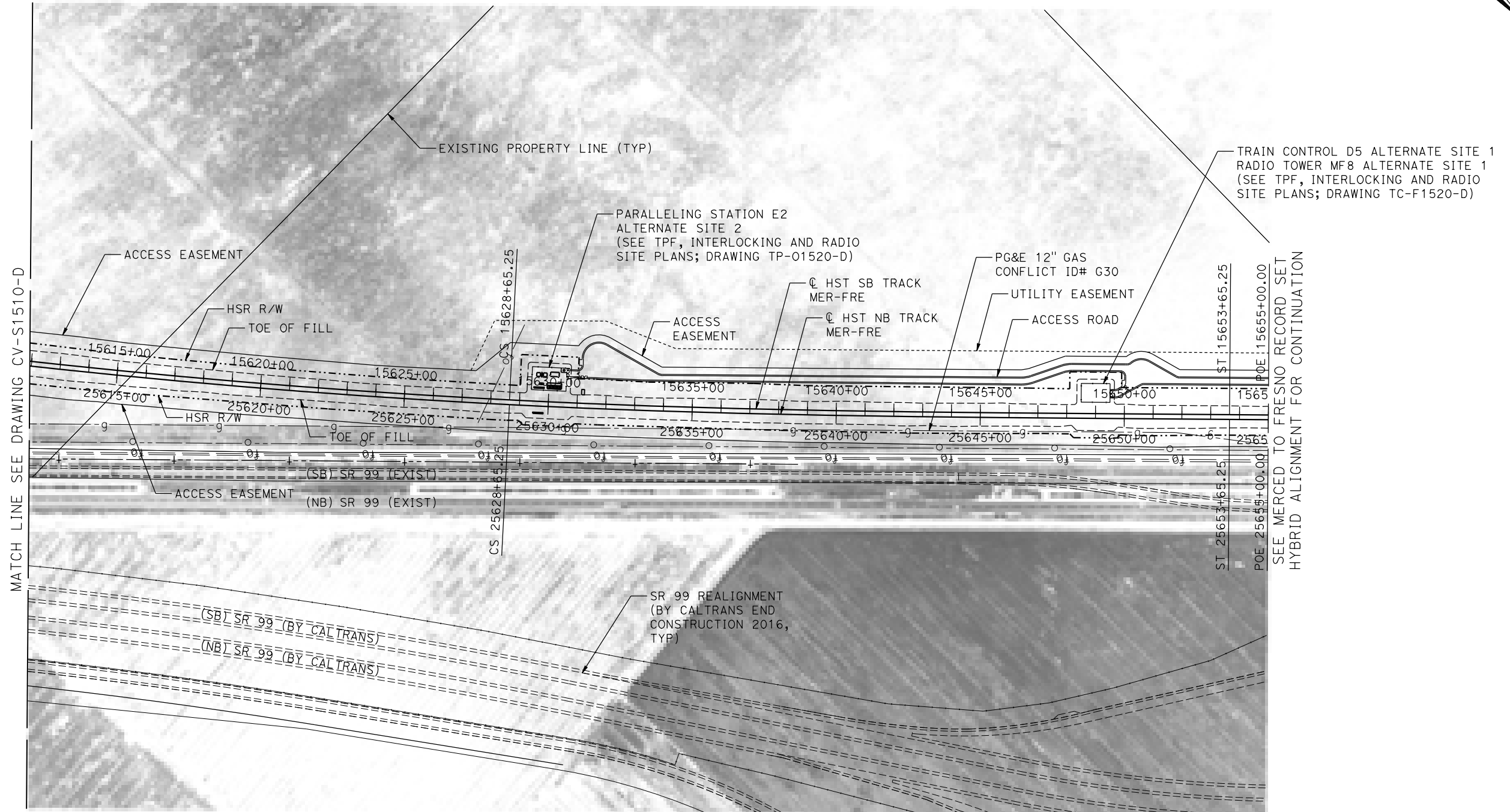
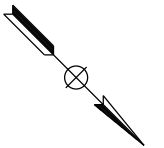
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15556+00 TO 15612+00

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

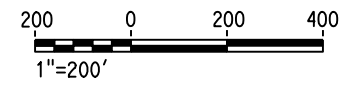
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1510-D

SEE MERCED TO FRESNO RECORD SET HYBRID ALIGNMENT FOR CONTINUATION

PLAN



11-AUG-2016 16:50 MF-CV-S1520-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15612+00 TO 15655+00

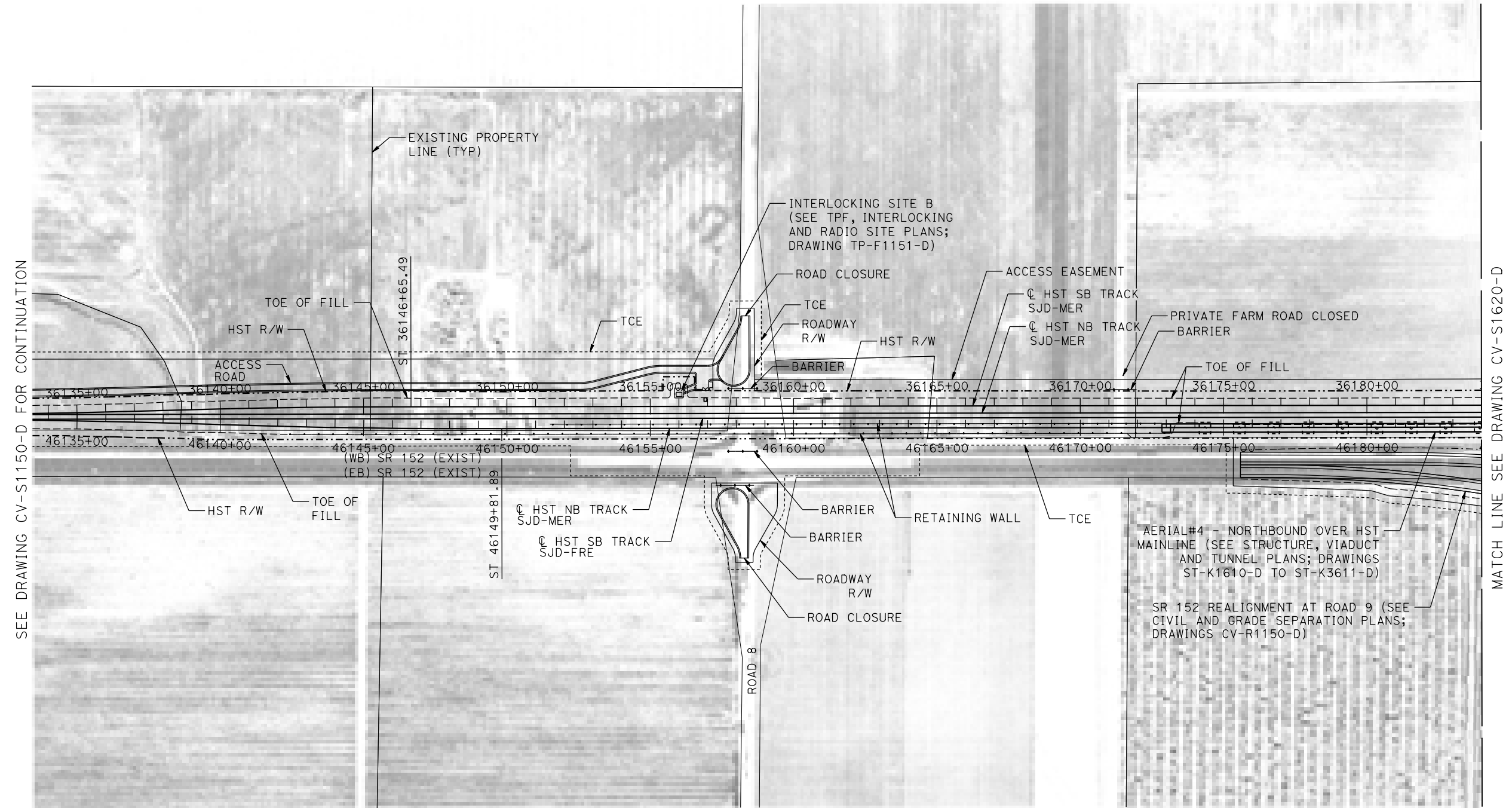
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1520-D

SCALE
1"=200'

SHEET NO.

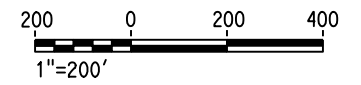
MADERA COUNTY



SEE DRAWING CV-S1150-D FOR CONTINUATION

MATCH LINE SEE DRAWING CV-S1620-D

PLAN



11-AUG-2016 16:50 MF-CV-S1610-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

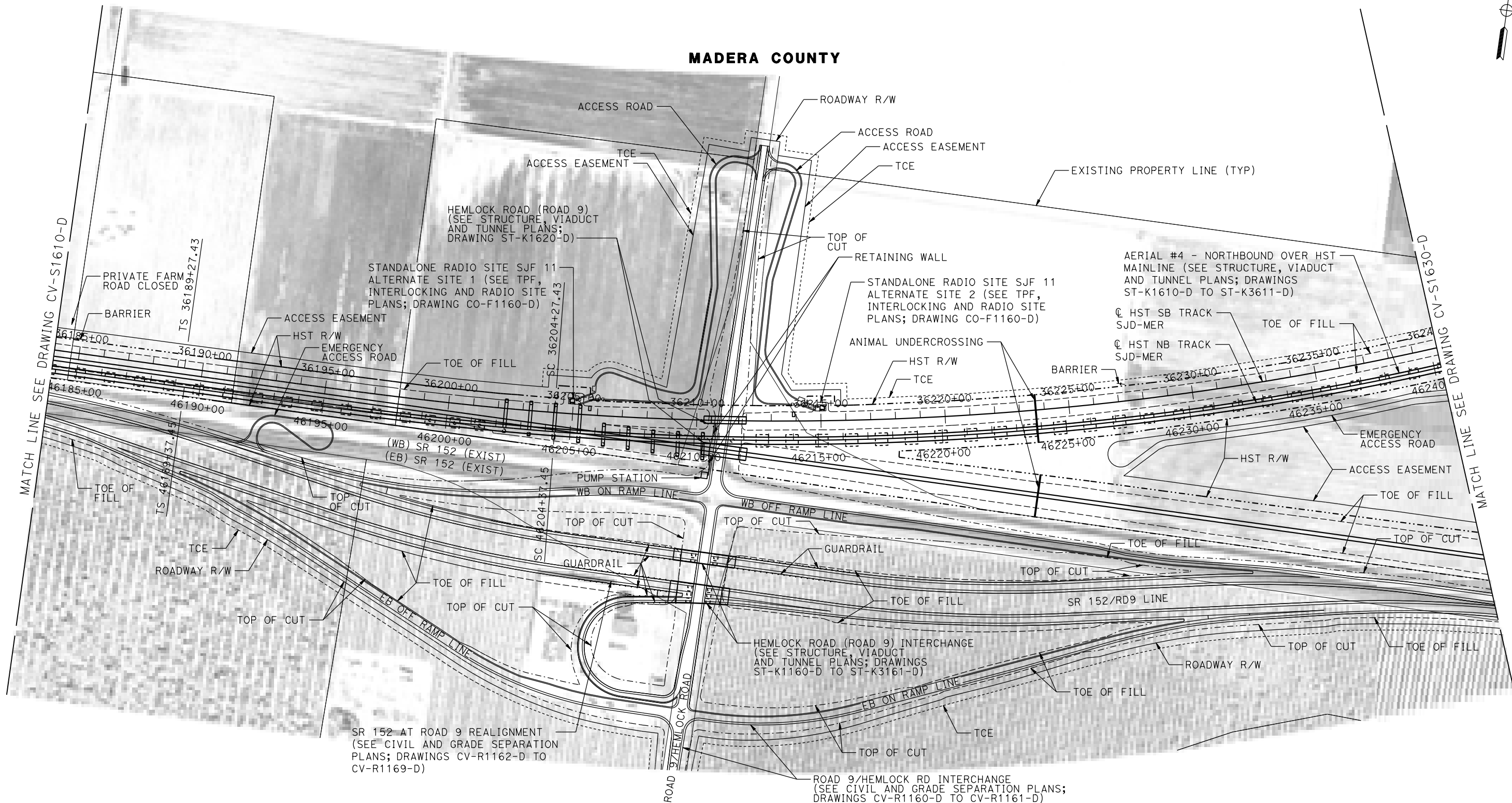


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36134+00.59 TO 36184+00

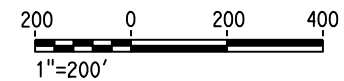
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1610-D
SCALE
1"=200'
SHEET NO.



MADERA COUNTY



PLAN



12-AUG-2016 16:56 MF-CV-S1620-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36184+00 TO 36240+00

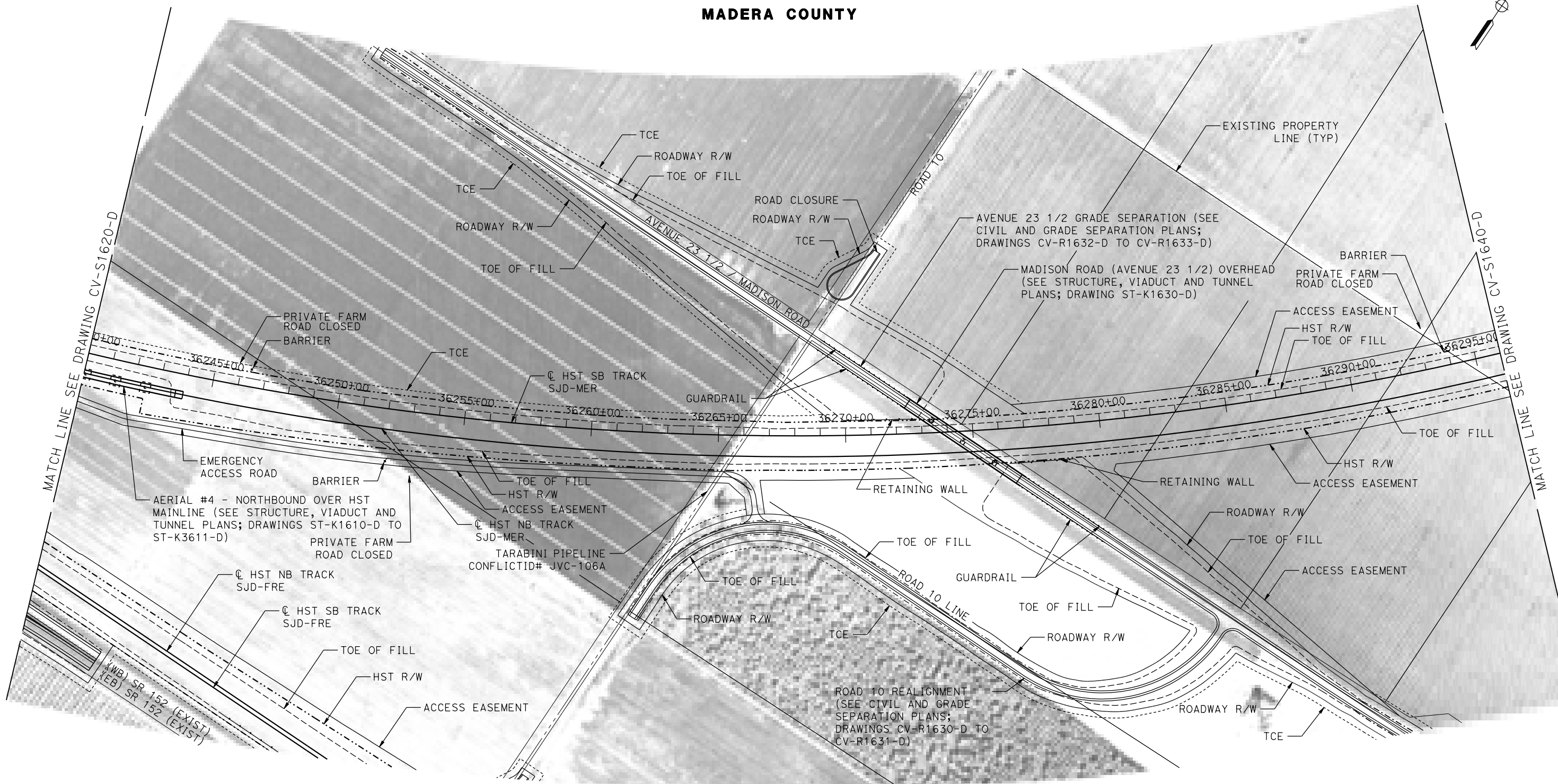
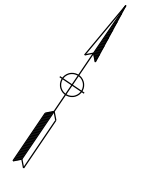
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1620-D

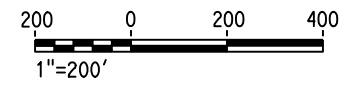
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



31-AUG-2016 9:35 MF-CV-S1630-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36240+00 TO 36296+00

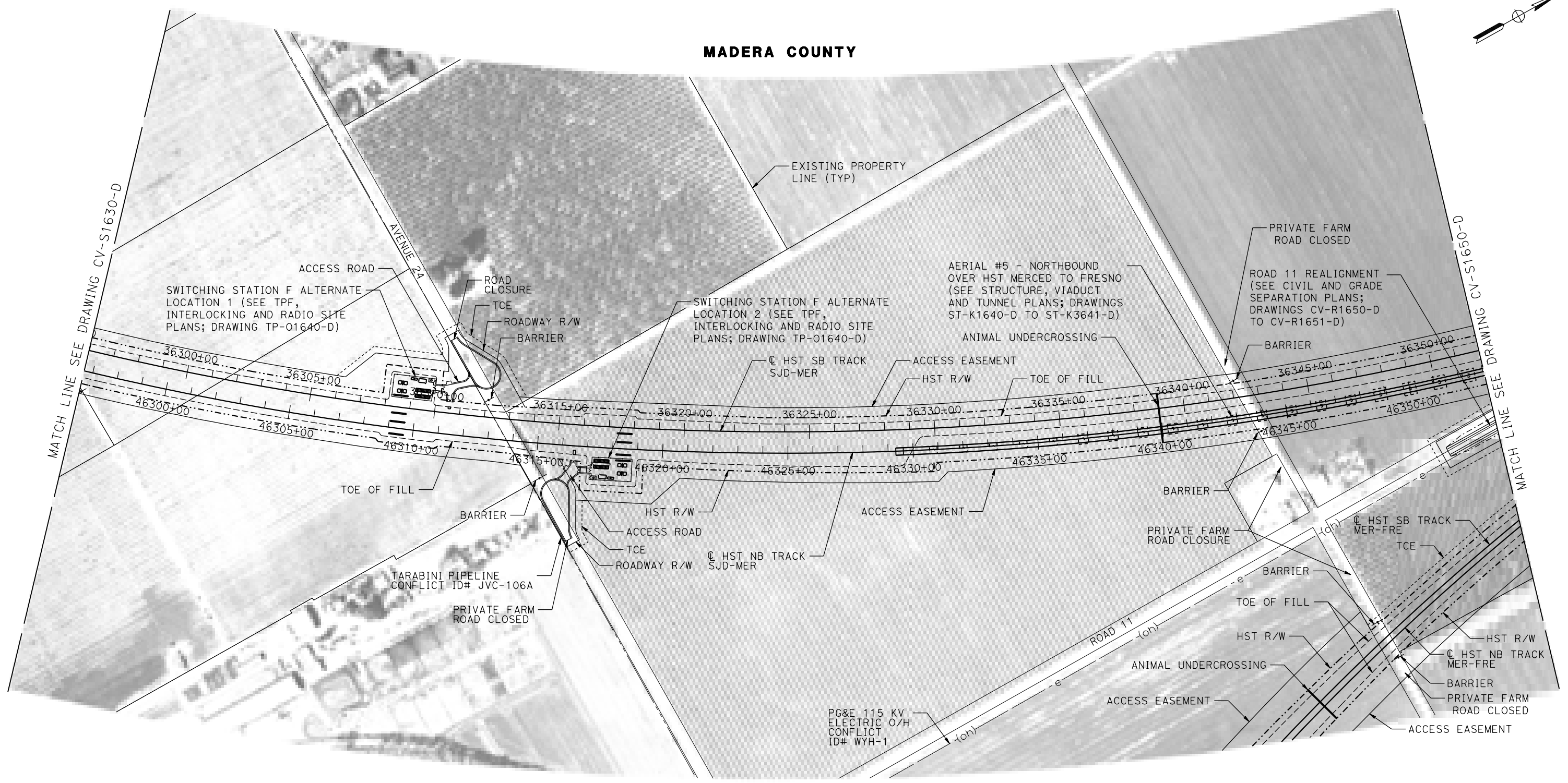
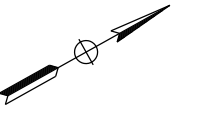
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1630-D

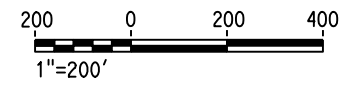
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



11-AUG-2016 16:53 MF-CV-S1640-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36296+00 TO 36352+00

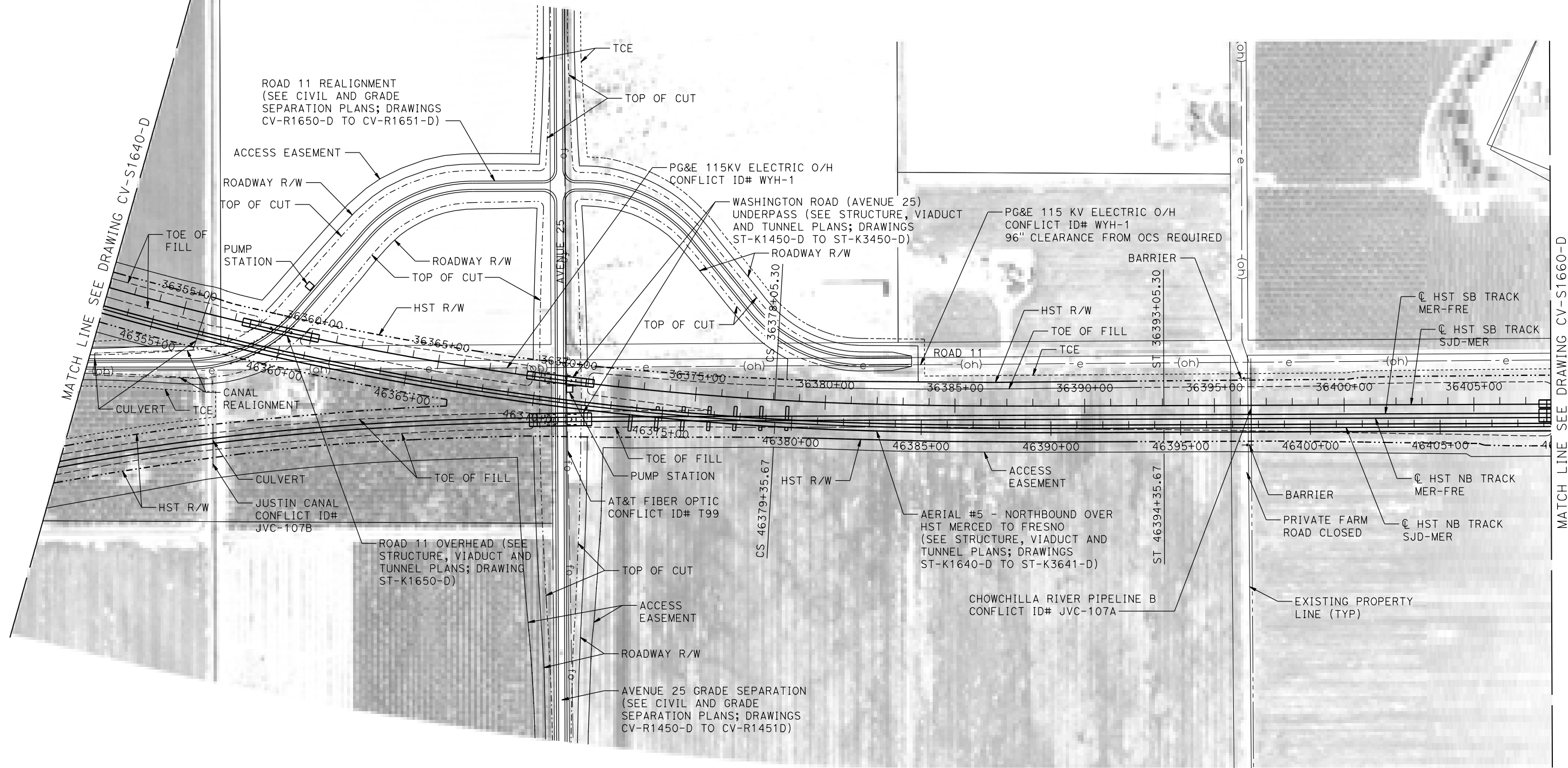
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1640-D

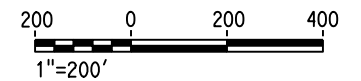
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



12-AUG-2016 16:56 MF-CV-S1650-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36352+00 TO 36408+00

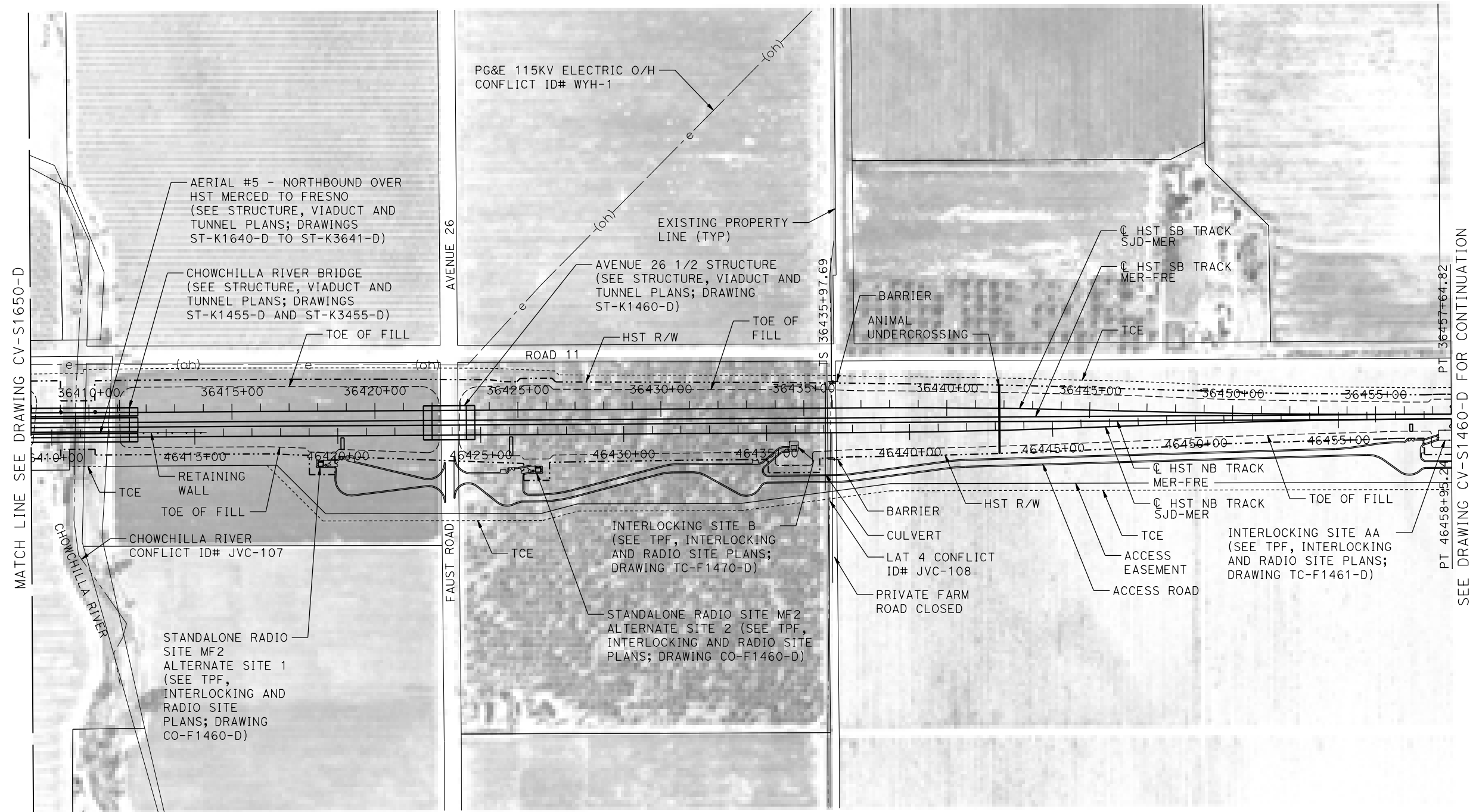
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1650-D

SCALE
1"=200'

SHEET NO.

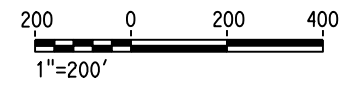
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1650-D

SEE DRAWING CV-S1460-D FOR CONTINUATION

PLAN



31-AUG-2016 9:36 MF-CV-S1660-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

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 11 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36408+00 TO 36457+64.63

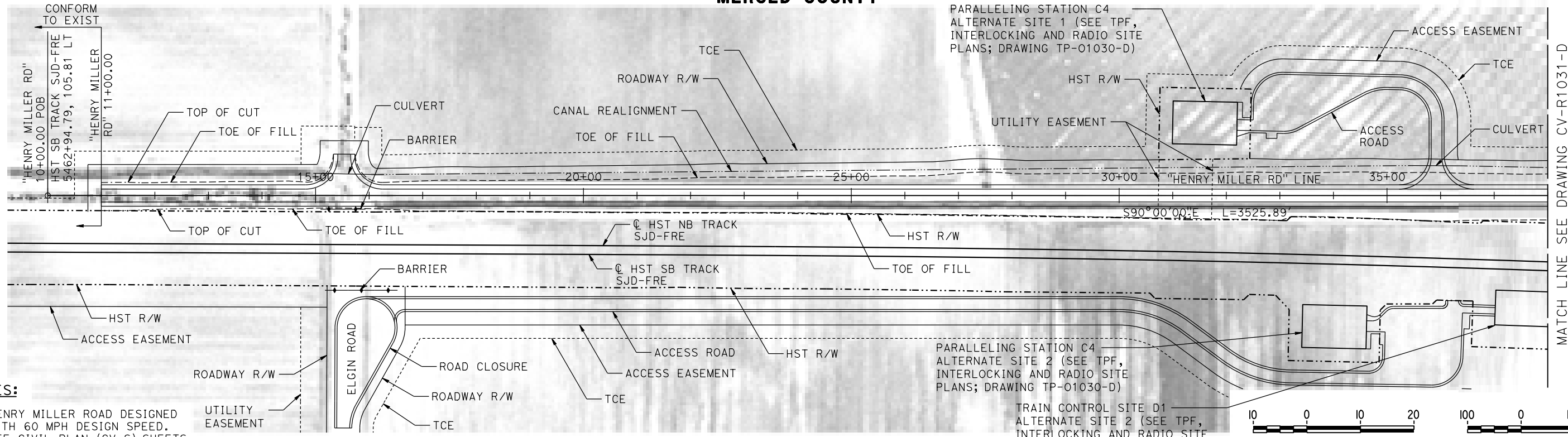
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1660-D

SCALE
1"=200'

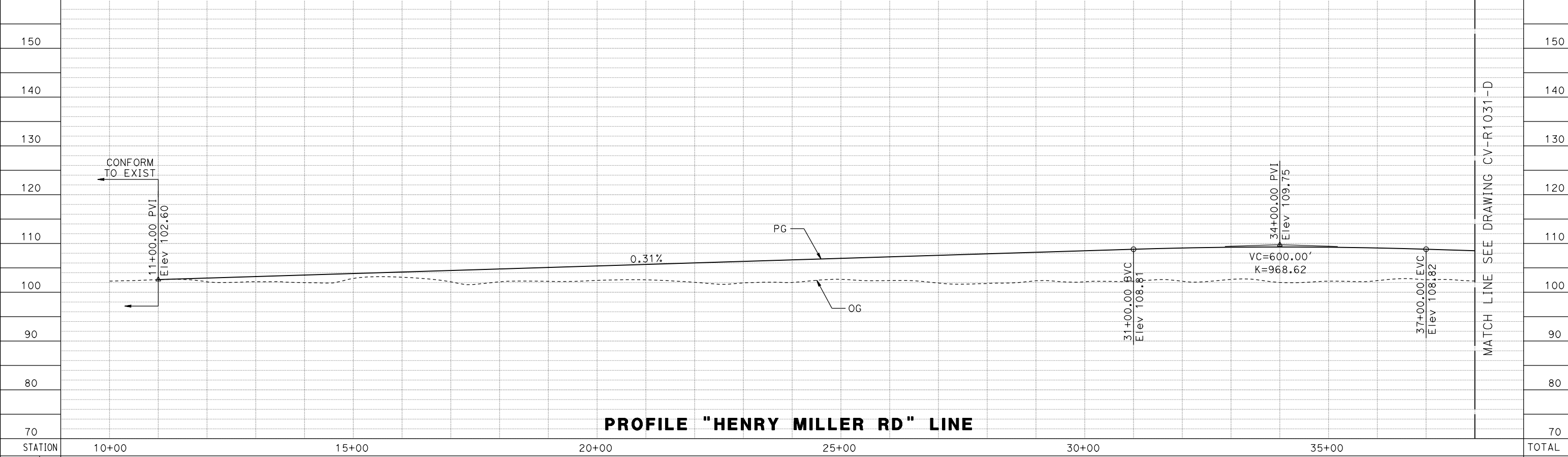
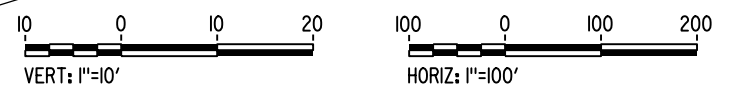
SHEET NO.

MERCED COUNTY



- NOTES:**
- HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "HENRY MILLER RD" LINE

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

16-AUG-2016 10:54 MF-CV-R1030-D.dgn

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



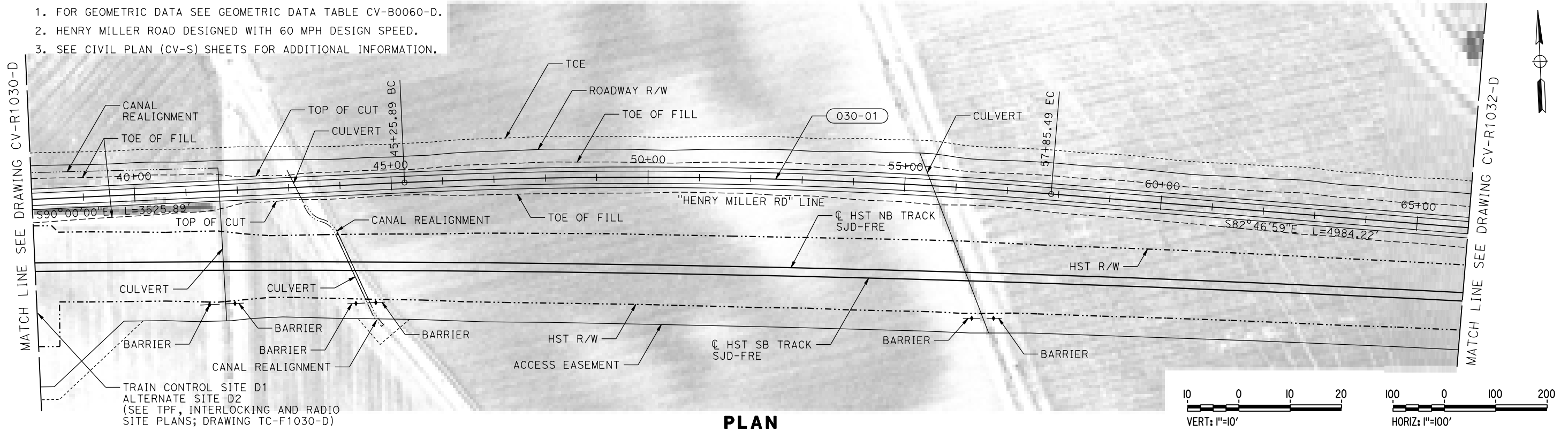
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1030-D
SCALE
AS SHOWN
SHEET NO.

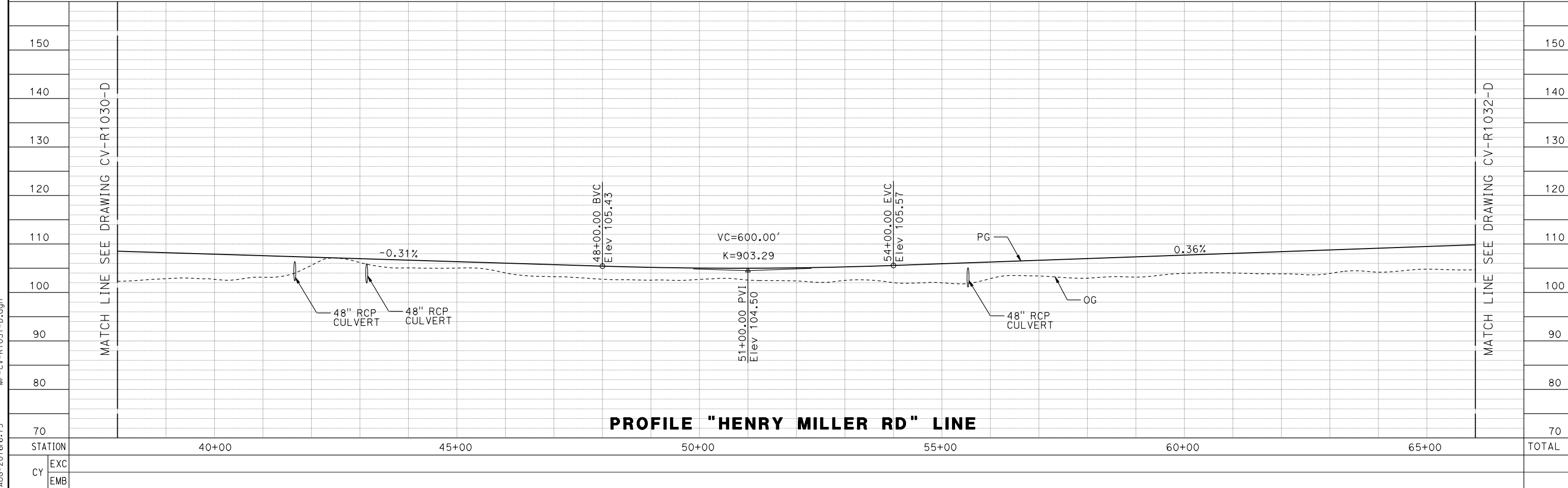
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

MERCED COUNTY



PLAN



PROFILE "HENRY MILLER RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

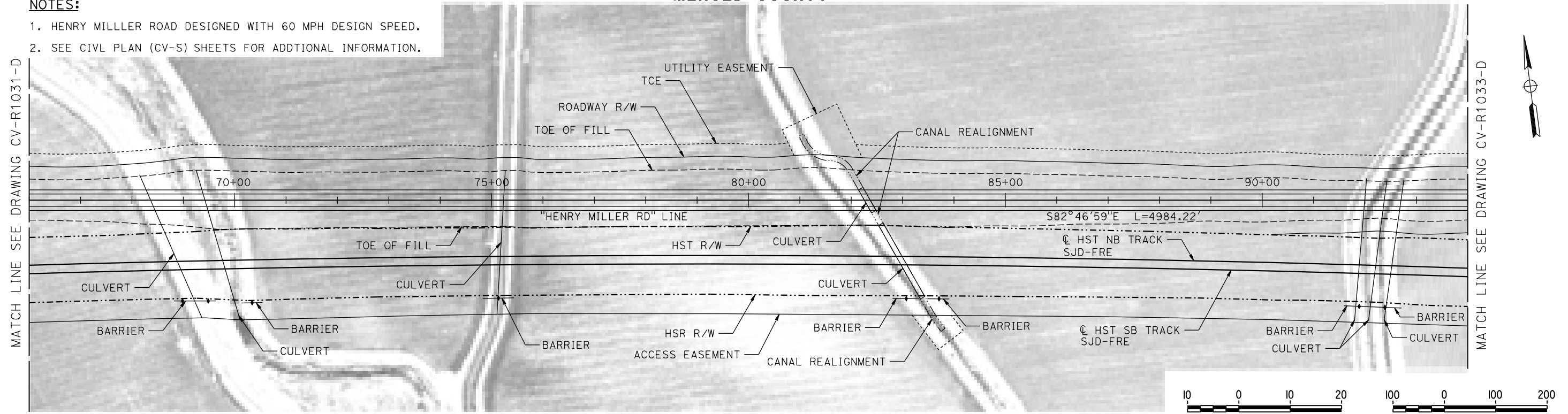
DESIGNED BY S. WELLS	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE PLAN AND PROFILE HENRY MILLER ROAD REALIGNMENT	CONTRACT NO. HSR08-05
DRAWN BY W. JOHNSEN					DRAWING NO. CV-R1031-D
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 08/12/2016					

13-AUG-2016 6:15 MF-CV-R1031-D.dgn

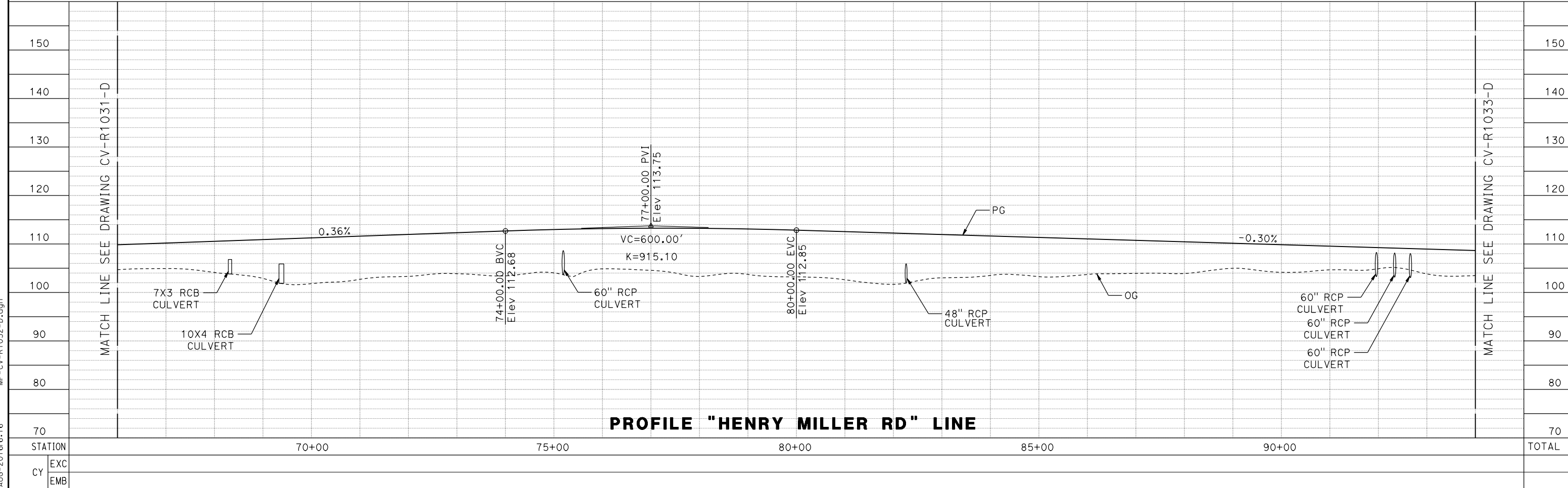
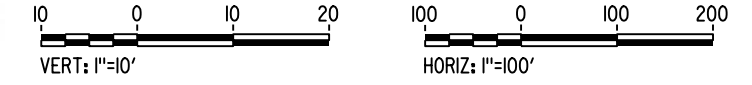
MERCED COUNTY

NOTES:

- 1. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
- 2. SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "HENRY MILLER RD" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 HENRY MILLER ROAD REALIGNMENT

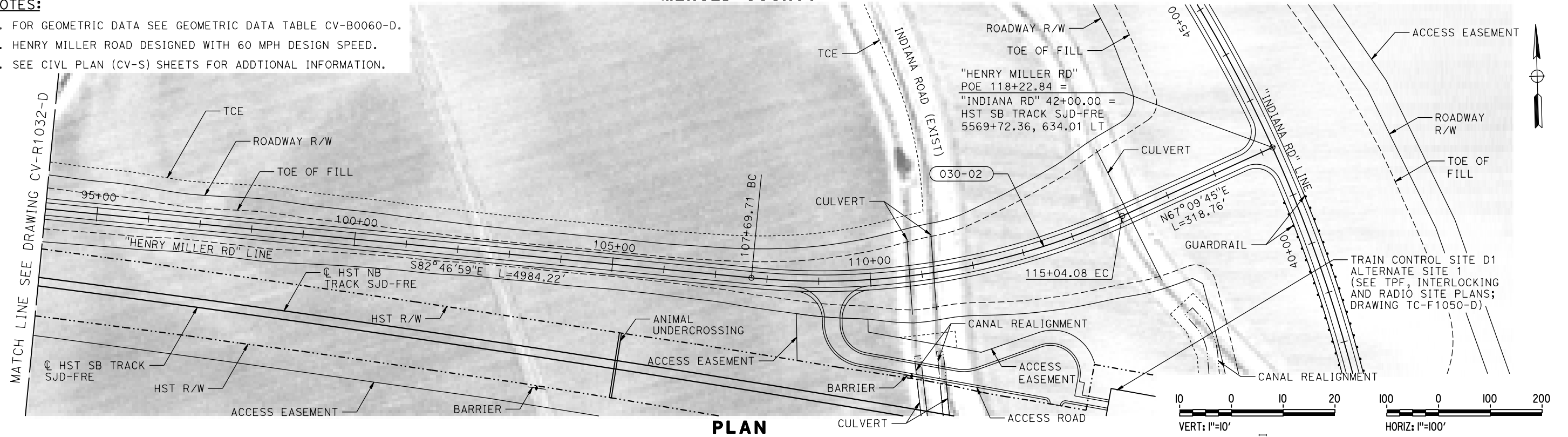
CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1032-D
 SCALE
AS SHOWN
 SHEET NO.

13-AUG-2016 16:16 MF-CV-R1032-D.dgn

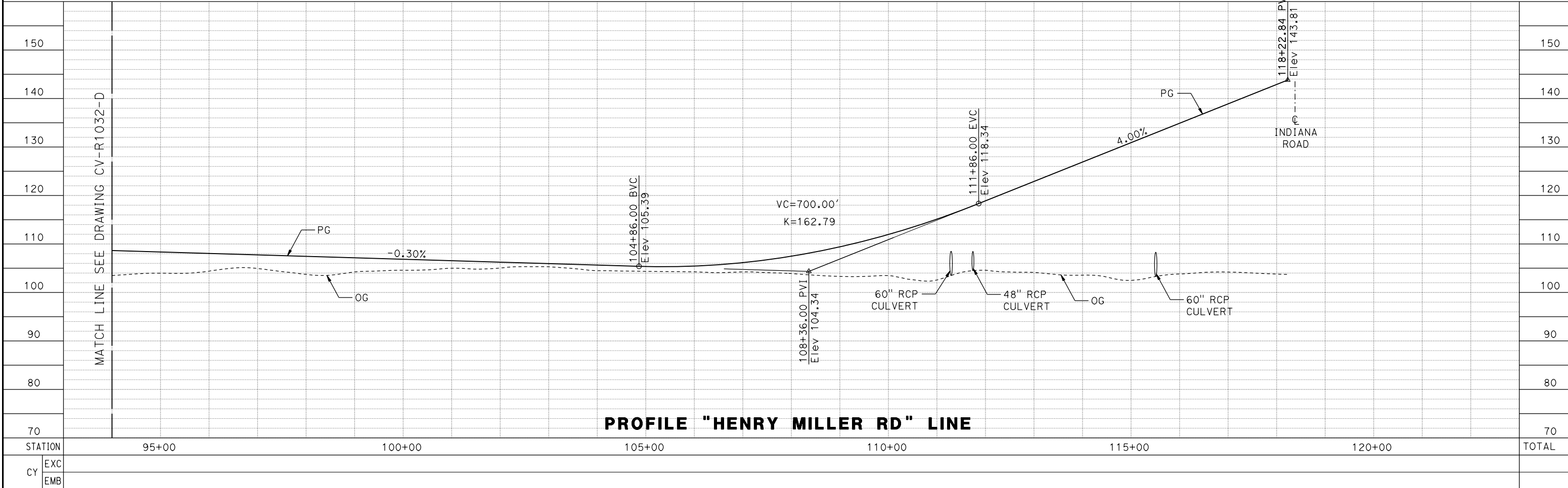
MERCED COUNTY

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. HENRY MILLER ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "HENRY MILLER RD" LINE

STATION	95+00	100+00	105+00	110+00	115+00	120+00	TOTAL
EXC							
EMB							

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

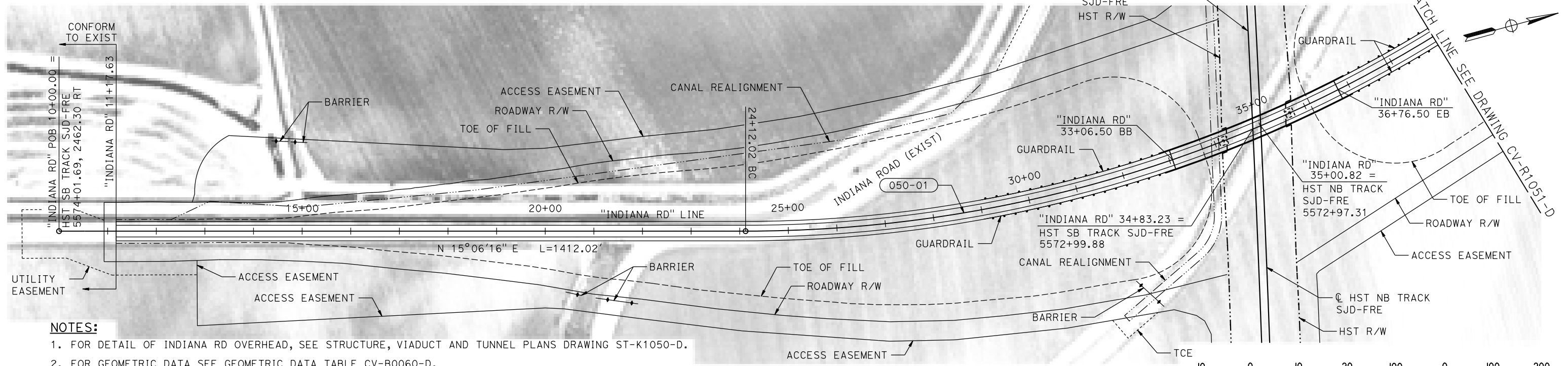


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

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

16-AUG-2016 10:53 MF-CV-R1033-D.dgn

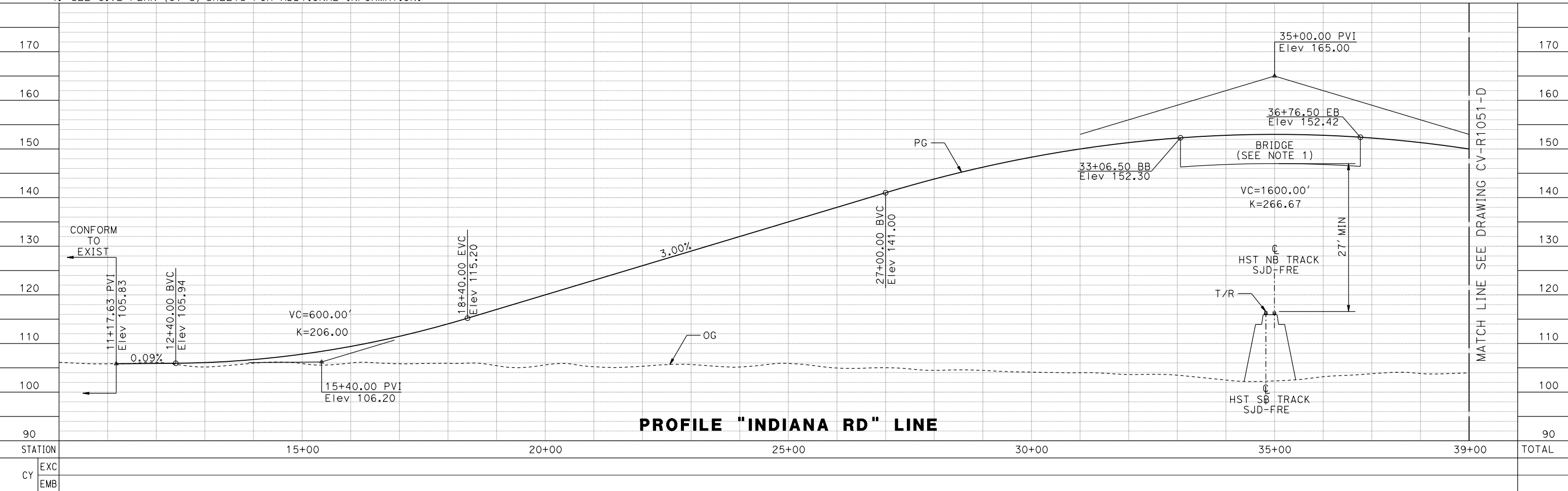
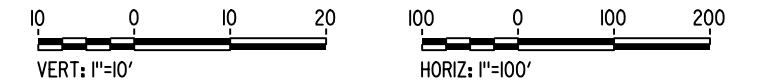
MERCED COUNTY



NOTES:

1. FOR DETAIL OF INDIANA RD OVERHEAD, SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1050-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
3. INDIANA ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
4. SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "INDIANA RD" LINE

13-AUG-2016 16:17 MF-CV-R1050-D.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

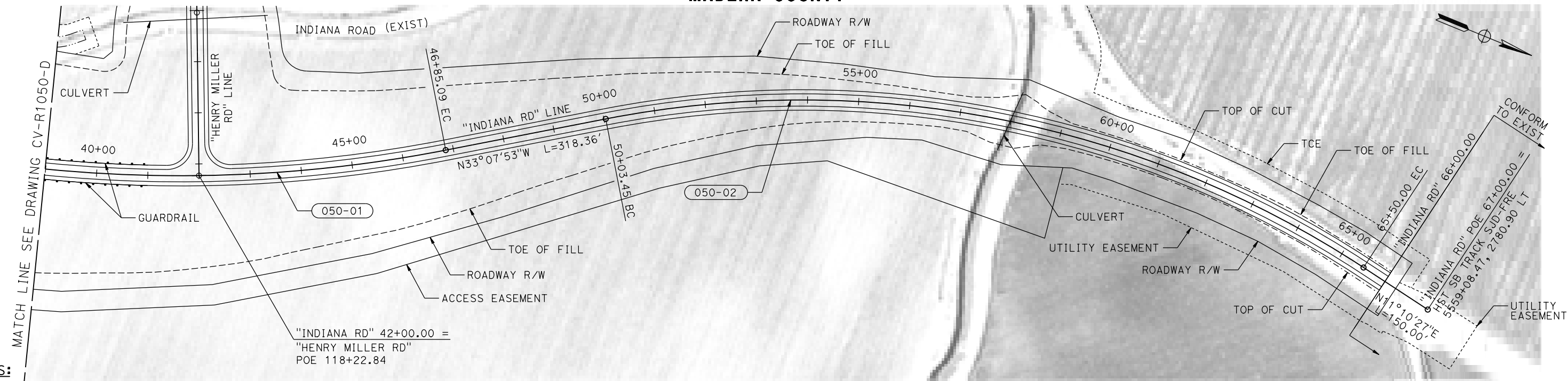
NOT FOR
CONSTRUCTION



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

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1050-D
SCALE
AS SHOWN
SHEET NO.

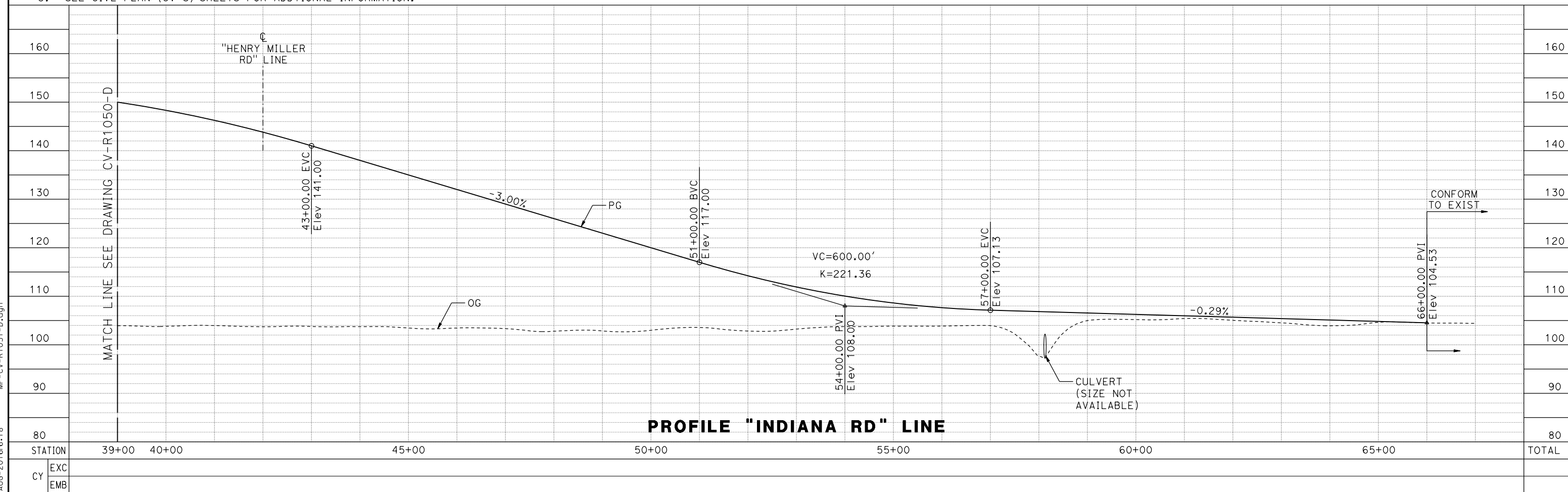
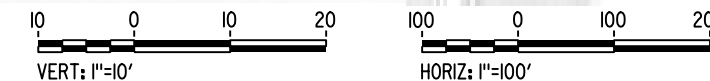
MADERA COUNTY



NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
- INDIANA ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
- SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "INDIANA RD" LINE

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



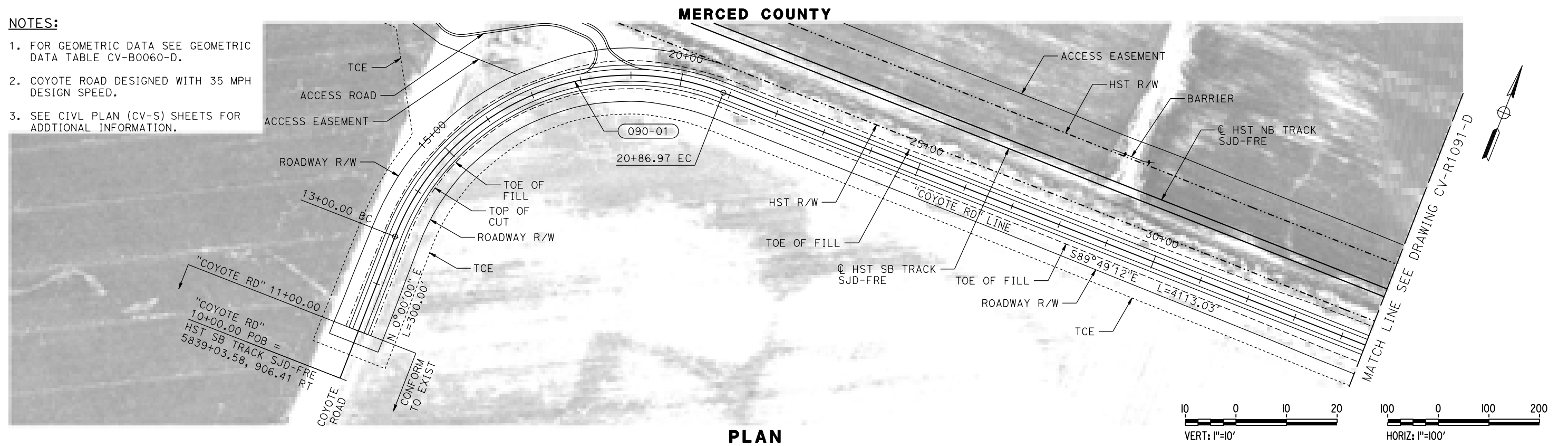
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
INDIANA ROAD GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1051-D
SCALE
AS SHOWN
SHEET NO.

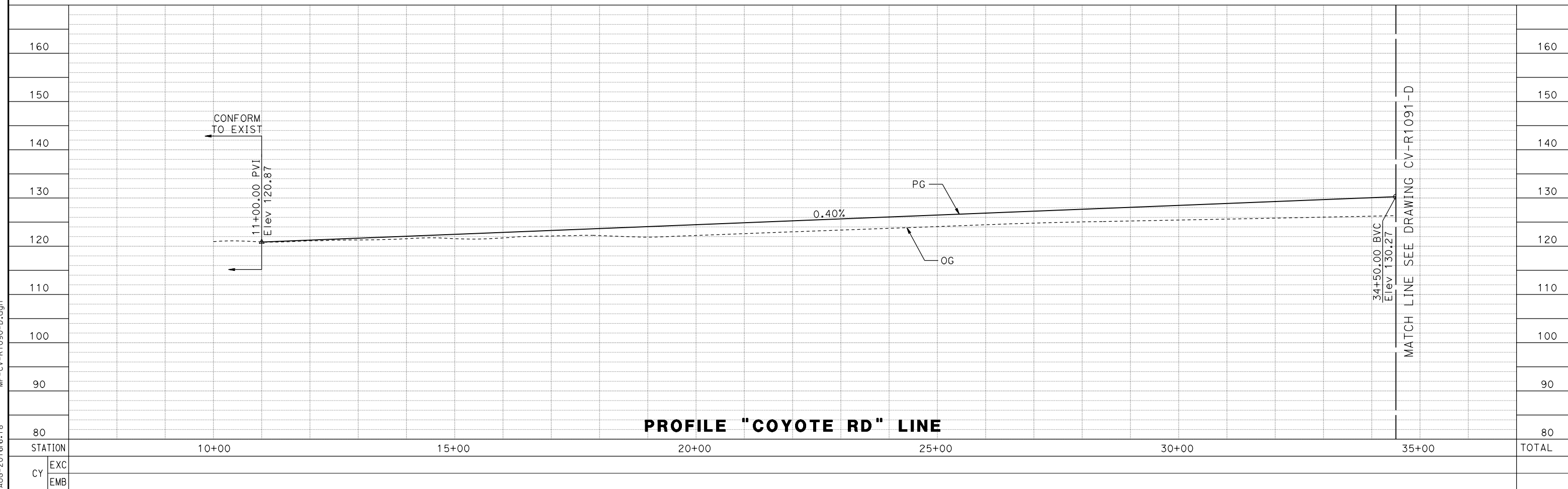
13-AUG-2016 16:18 MF-CV-R1051-D.dgn

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. COYOTE ROAD DESIGNED WITH 35 MPH DESIGN SPEED.
3. SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "COYOTE RD" LINE

13-AUG-2016 16:18 MF-CV-R1090-D.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 TRAIN PROJECT
MERCED TO FRESNO SECTION

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

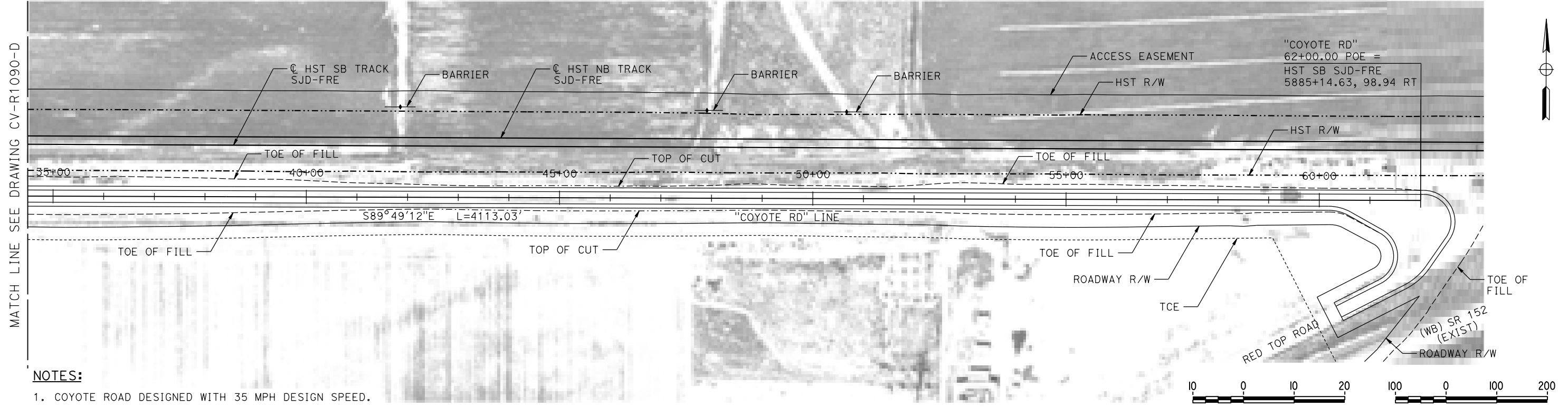
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1090-D

SCALE
AS SHOWN

SHEET NO.

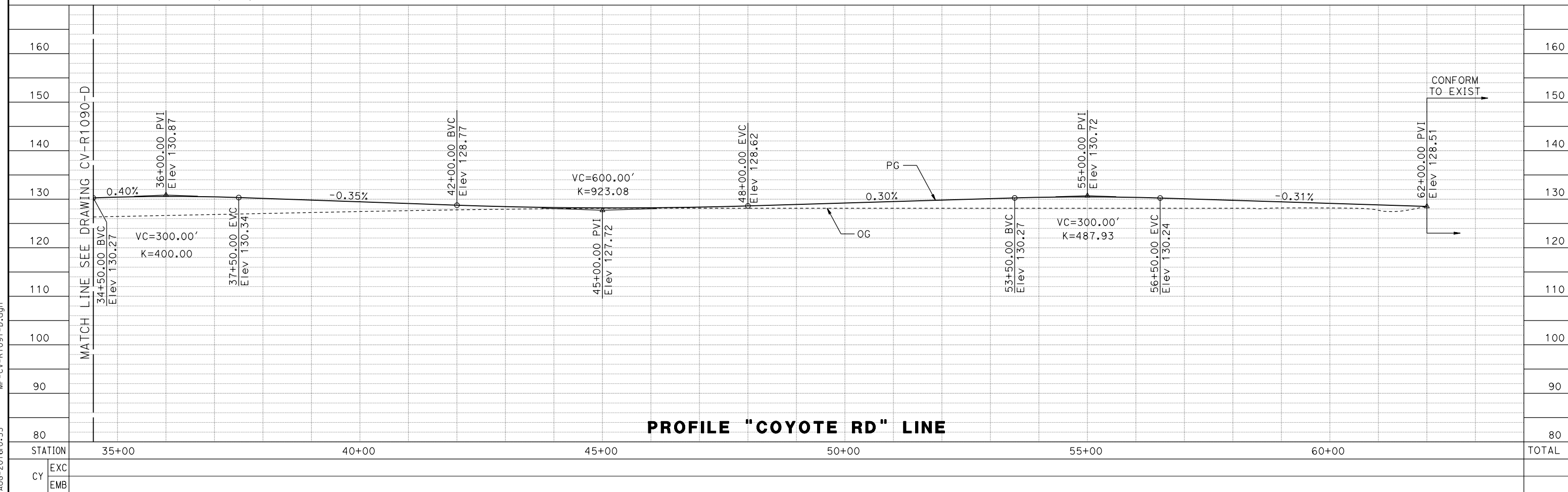
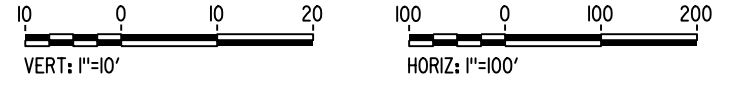
MERCED COUNTY



NOTES:

1. COYOTE ROAD DESIGNED WITH 35 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "COYOTE RD" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 COYOTE ROAD REALIGNMENT

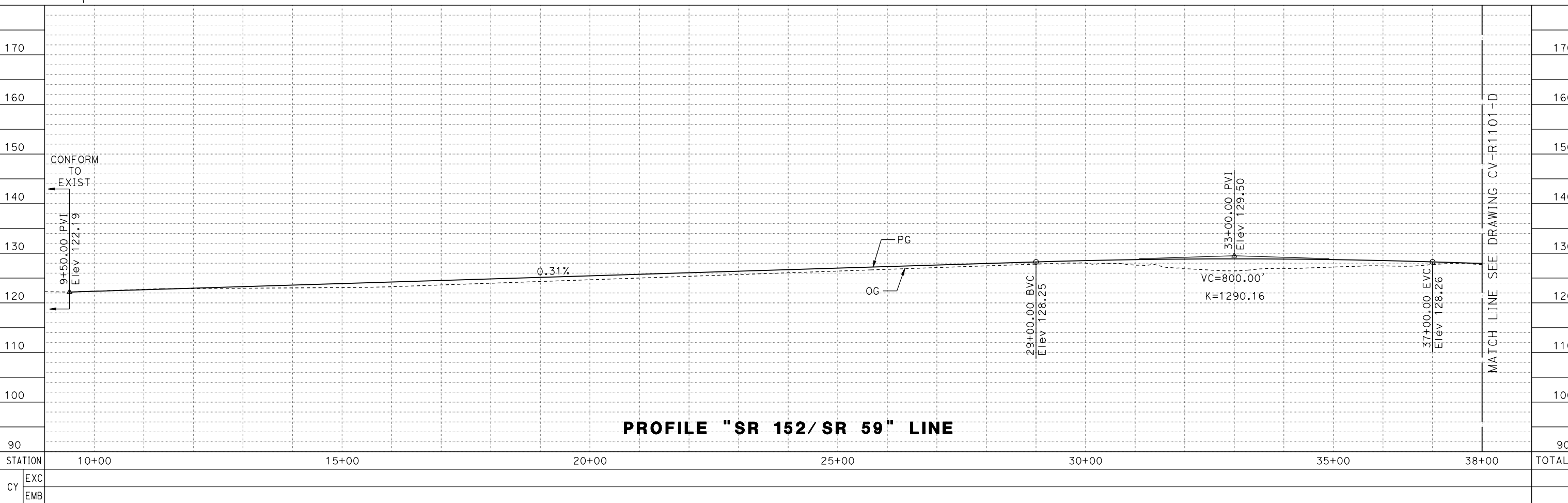
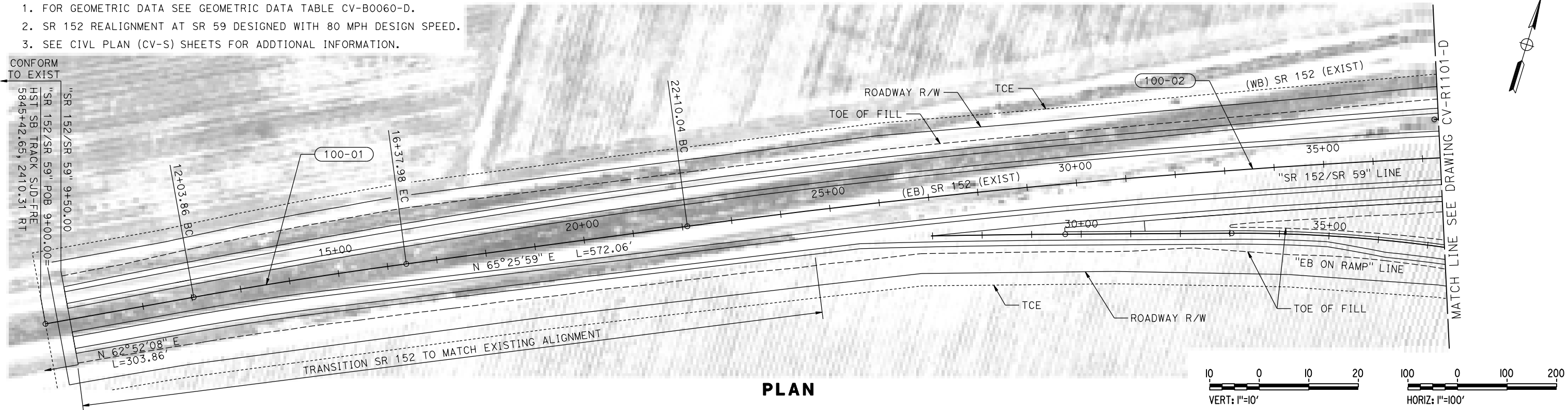
CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1091-D
 SCALE
AS SHOWN
 SHEET NO.

16-AUG-2016 10:53 MF-CV-R1091-D.dgn

MERCED COUNTY

NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
- SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.
- SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



13-AUG-2016 6:19 MF-CV-R1100-D.dgn

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 SR 152 REALIGNMENT AT SR 59

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1100-D

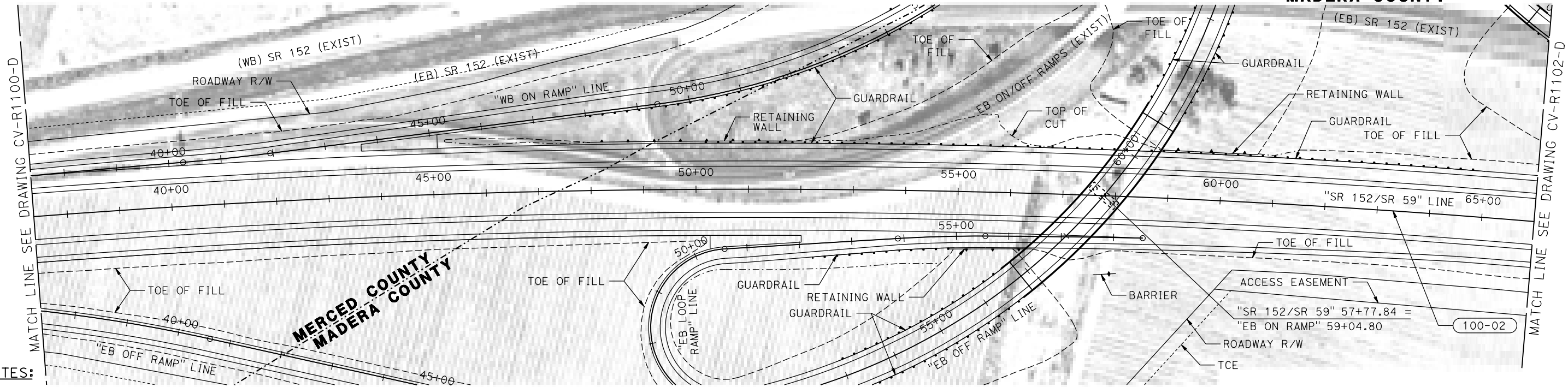
SCALE
AS SHOWN

SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

MERCED COUNTY

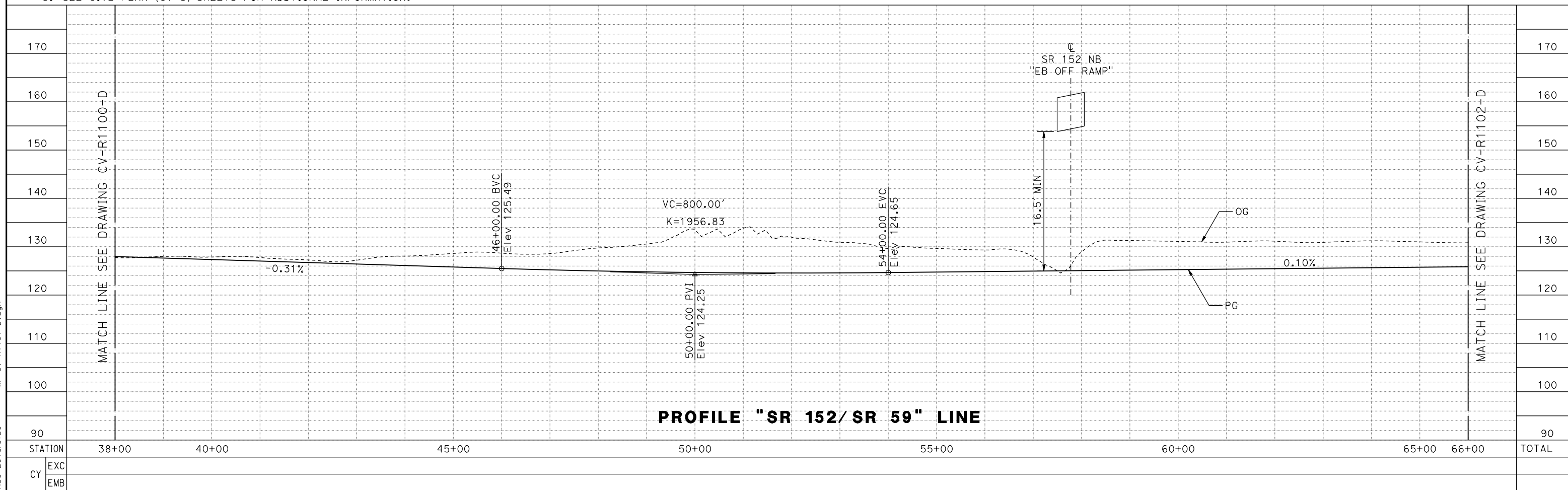
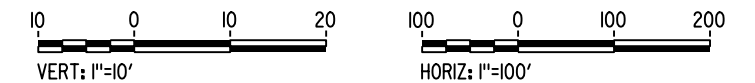
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/ SR 59" LINE

13-AUG-2016 6:20 MF-CV-R1101-D.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

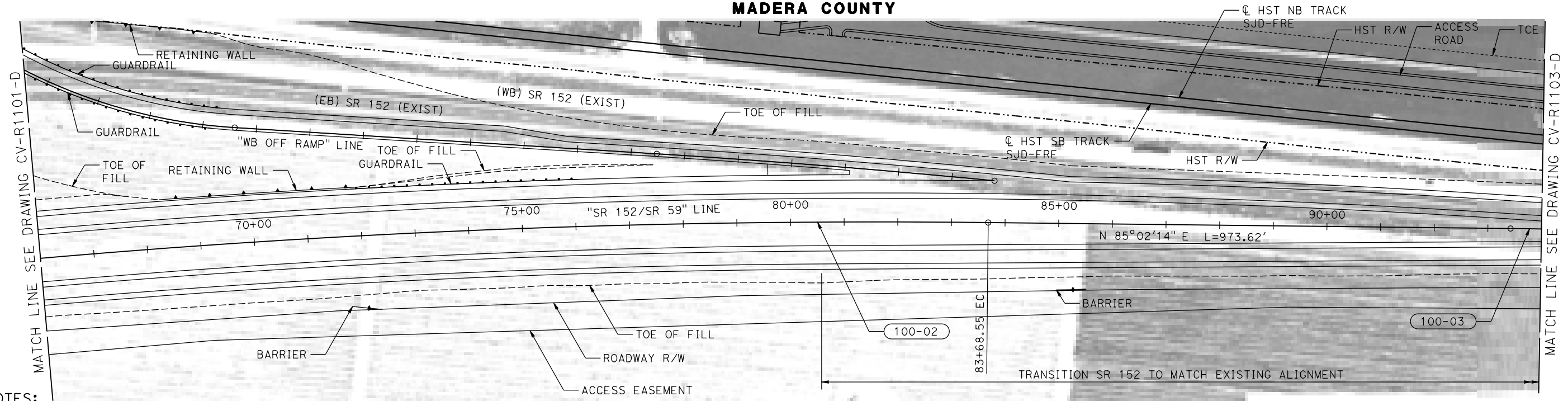
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 59

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1101-D
SCALE
AS SHOWN
SHEET NO.

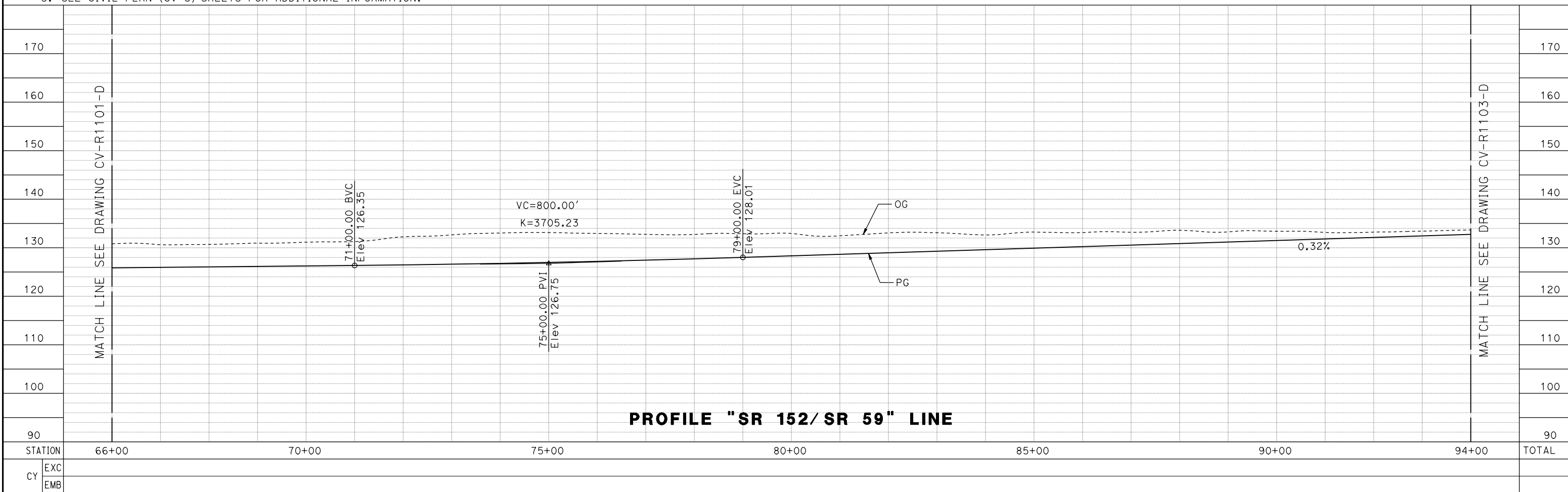
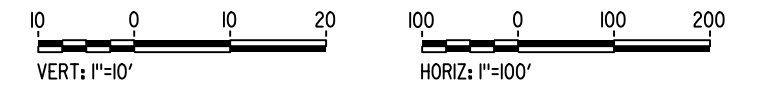
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/SR 59" LINE

13-AUG-2016 08:39 MF-CV-R1102-D.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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 59

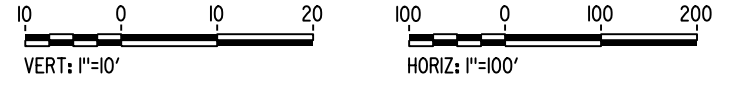
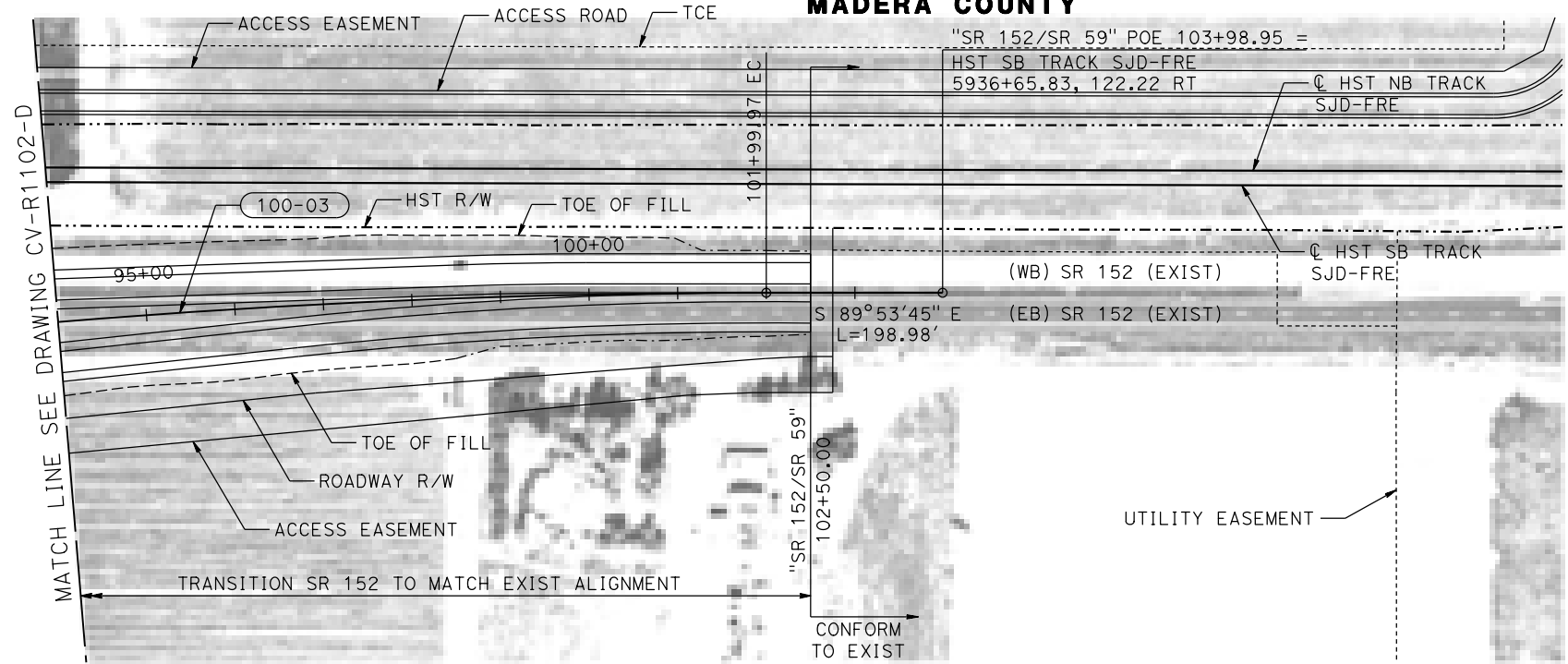
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1102-D

SCALE
AS SHOWN

SHEET NO.

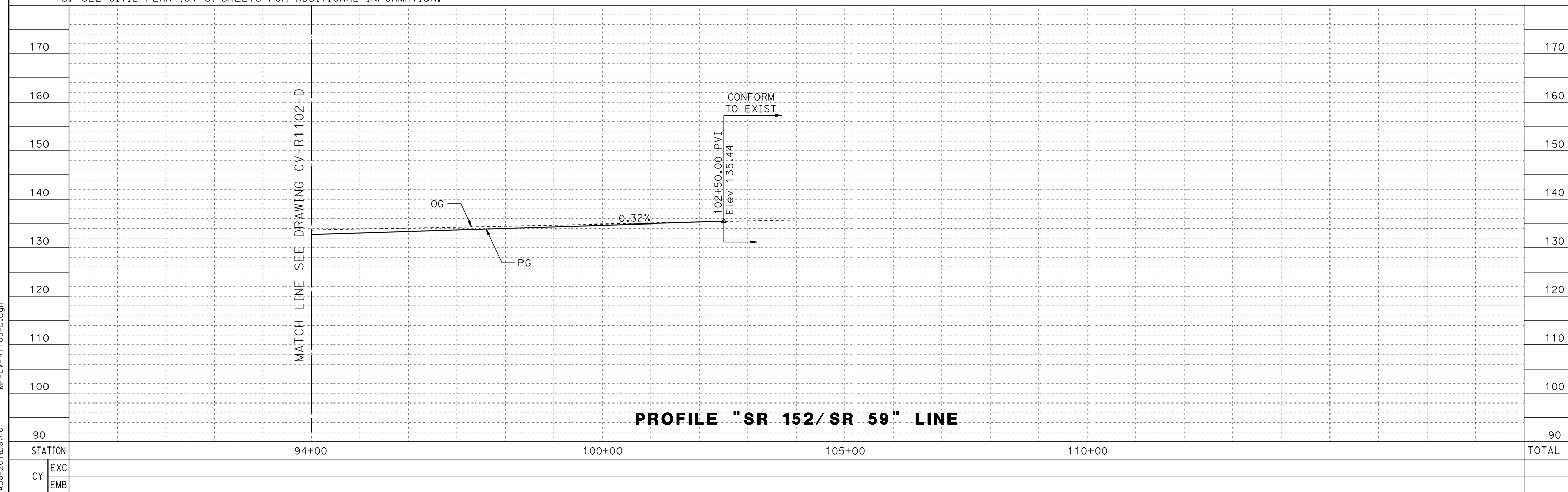
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/SR 59" LINE

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



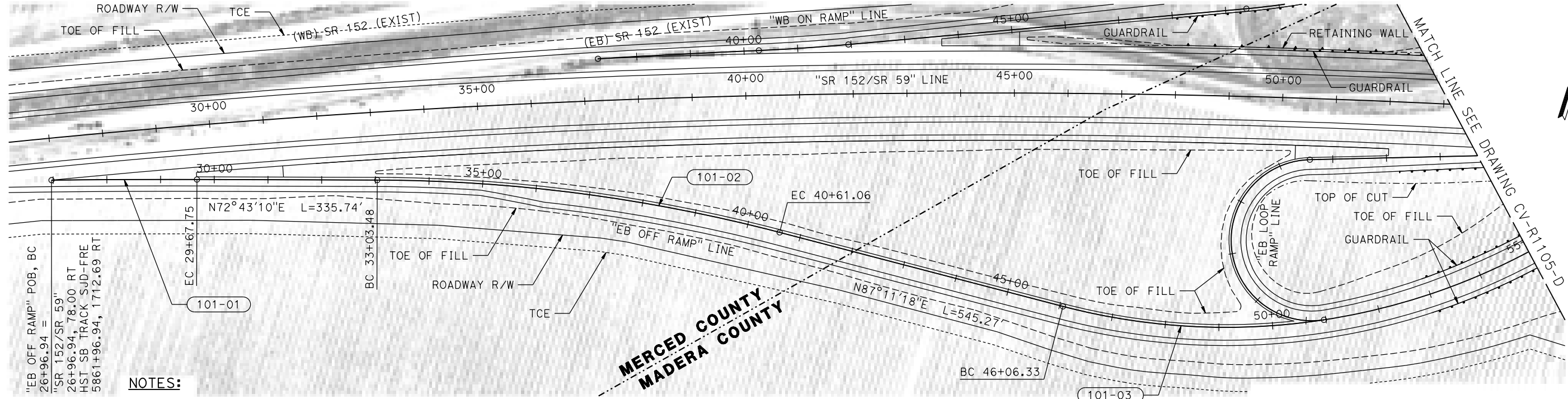
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 59

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

13-AUG-2016 08:40 MF-CV-R1103-D.dgn

MERCED COUNTY

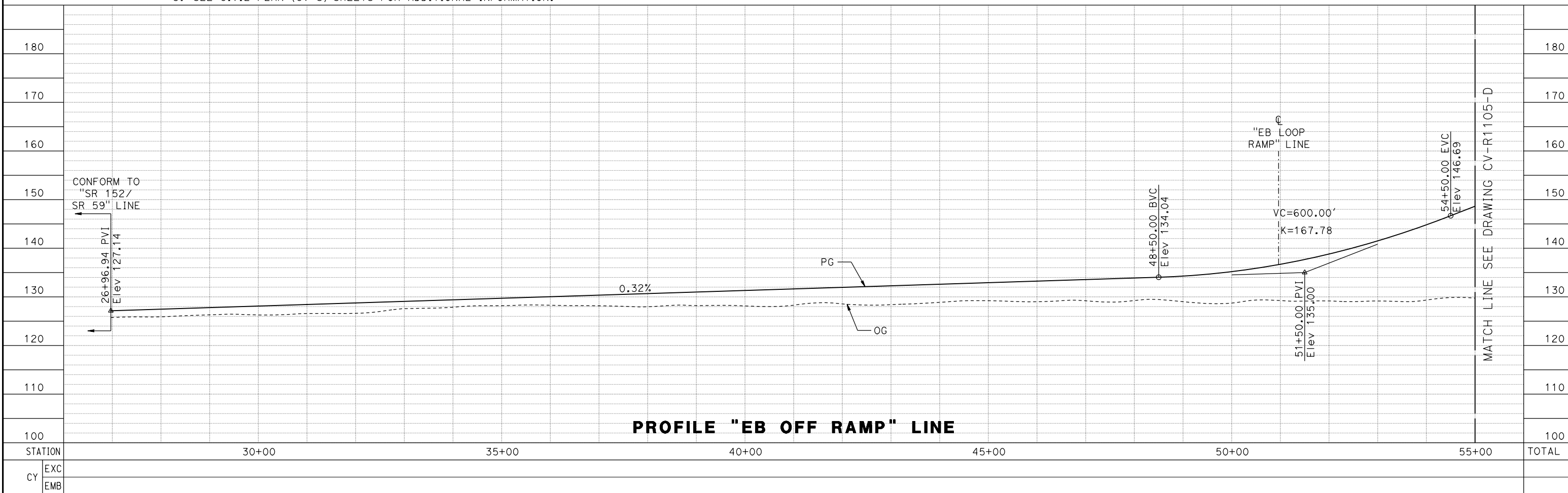
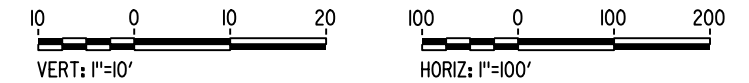
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
2. SR 59/SR 152 EB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

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



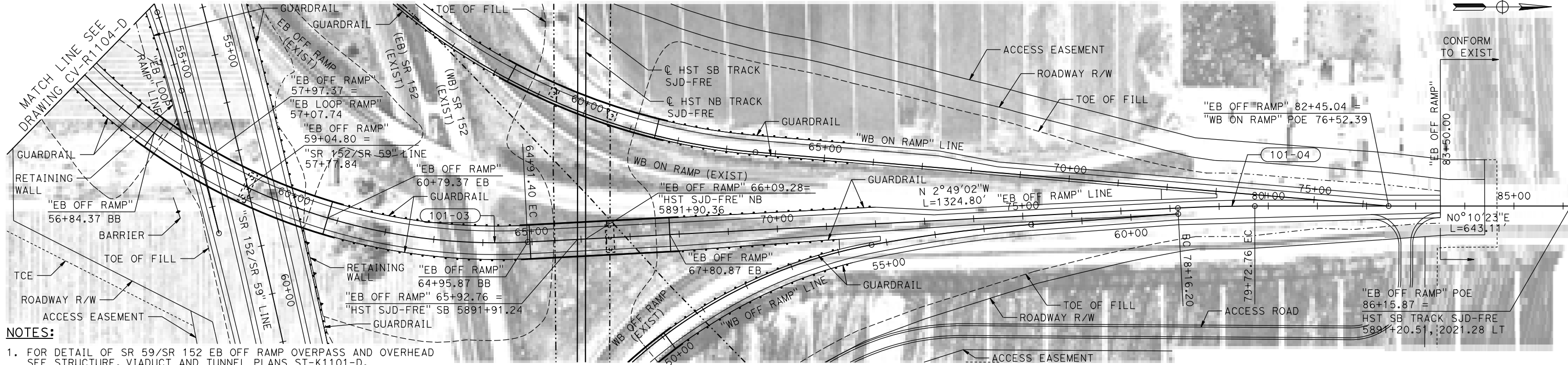
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 EB OFF RAMP GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1104-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 08:41 MF-CV-R1104-D.dgn

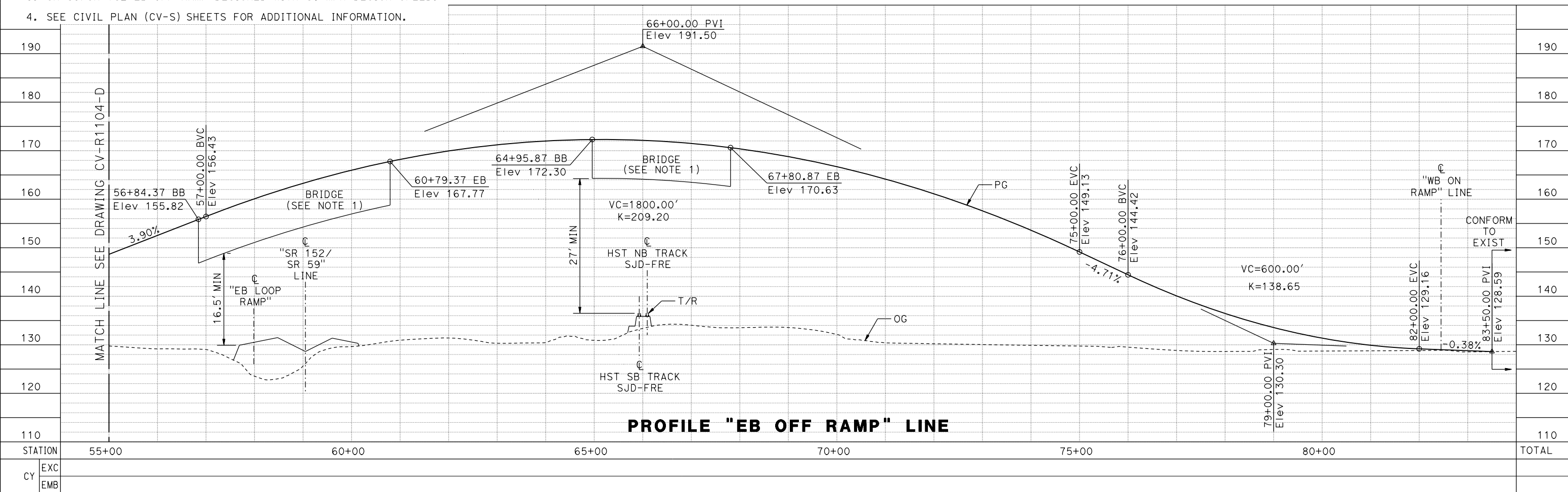
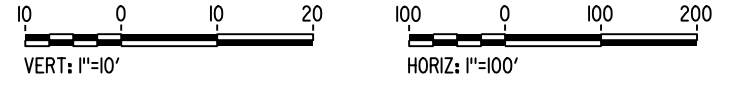
MADERA COUNTY

MERCED COUNTY



- NOTES:**
1. FOR DETAIL OF SR 59/SR 152 EB OFF RAMP OVERPASS AND OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS ST-K1101-D.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
 3. SR 59/SR 152 EB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
 4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

13-AUG-2016 16:20 MF-CV-R1105-D.dgn

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 EB OFF RAMP GRADE SEPARATION

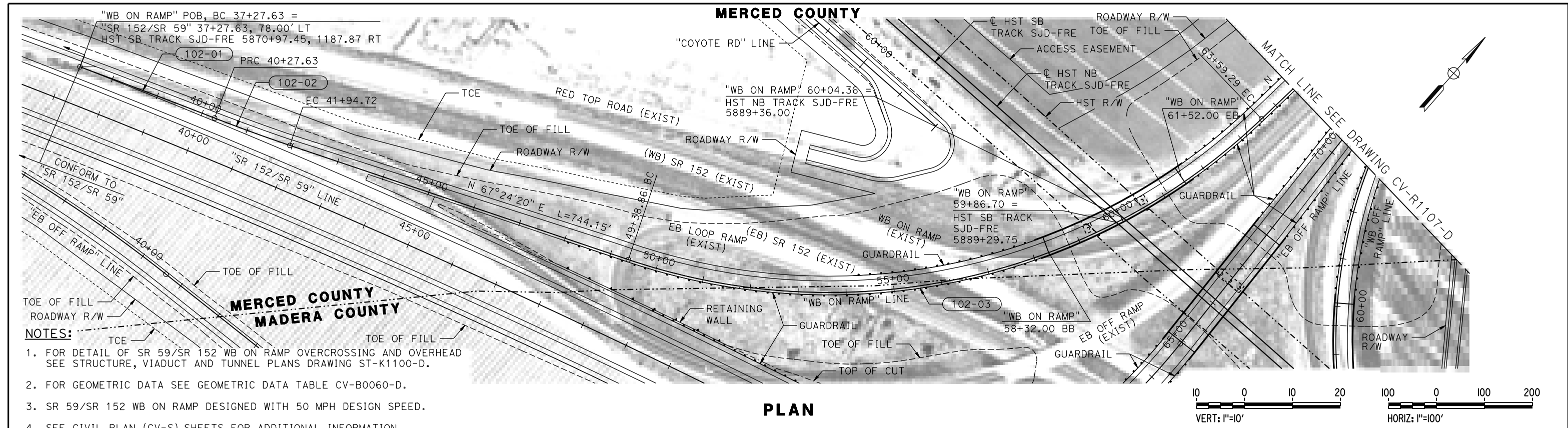
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1105-D

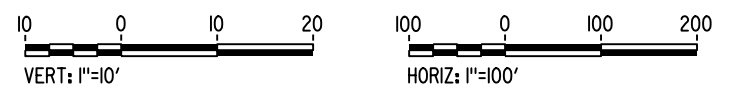
SCALE
AS SHOWN

SHEET NO.

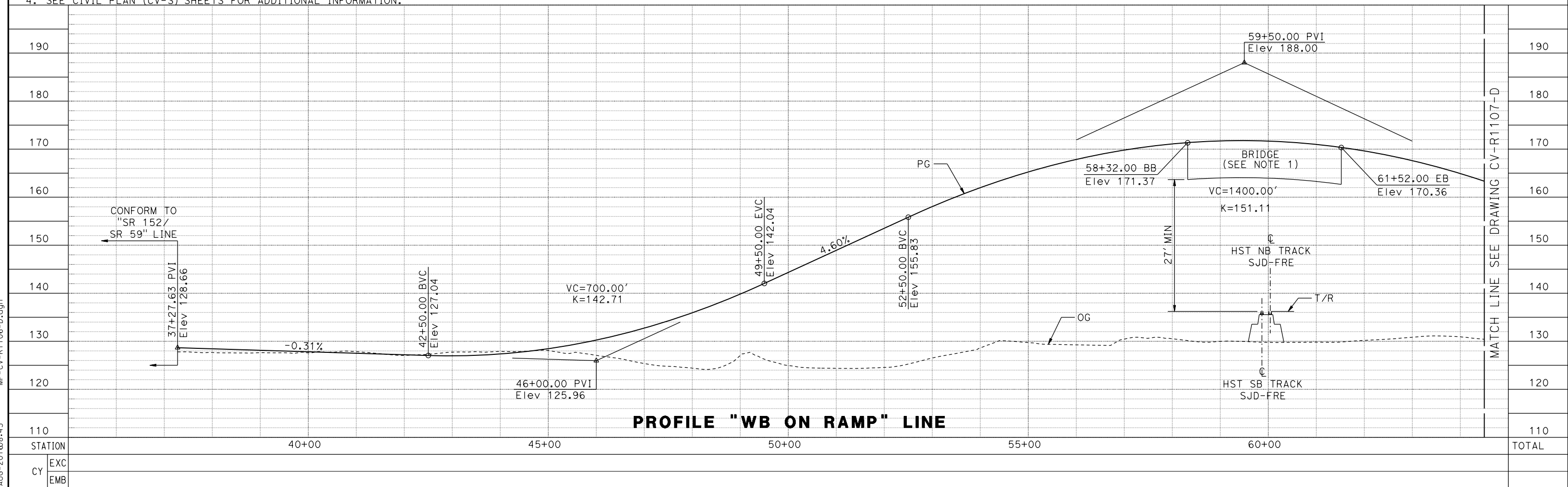
REV	DATE	BY	CHK	APP	DESCRIPTION



- NOTES:**
1. FOR DETAIL OF SR 59/SR 152 WB ON RAMP OVERCROSSING AND OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1100-D.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-D.
 3. SR 59/SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
 4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "WB ON RAMP" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 WB ON RAMP GRADE SEPARATION

CONTRACT NO.
HSR08-05

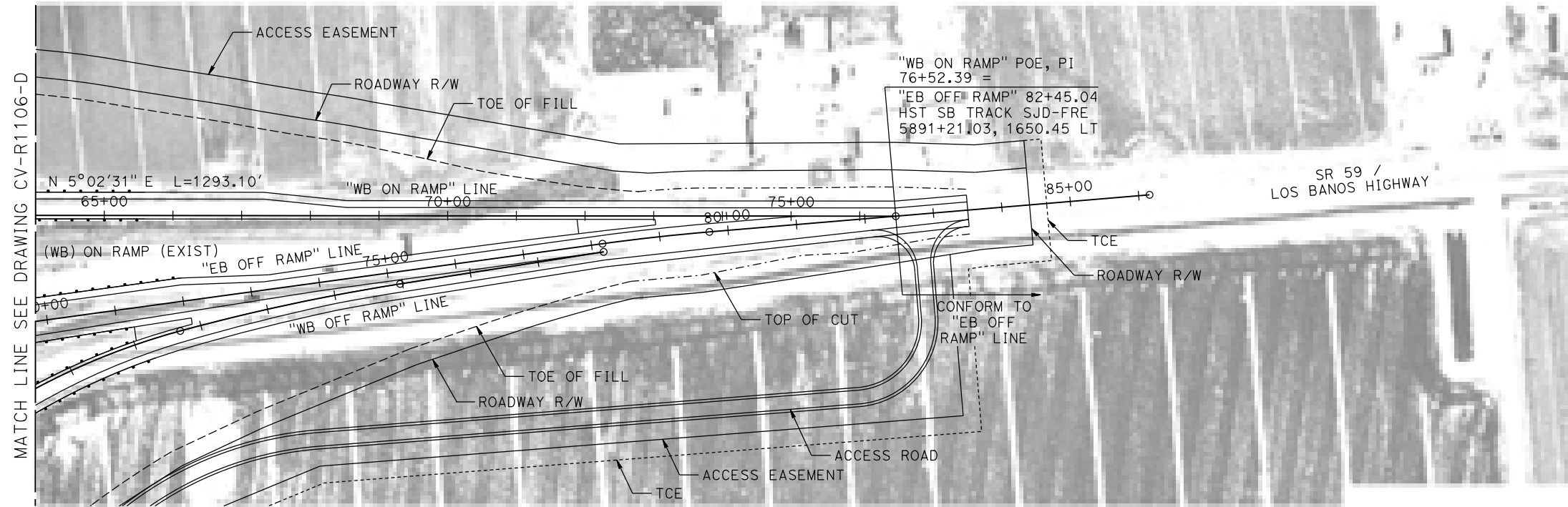
DRAWING NO.
CV-R1106-D

SCALE
AS SHOWN

SHEET NO.

13-AUG-2016 08:43 MF-CV-R1106-D.dgn

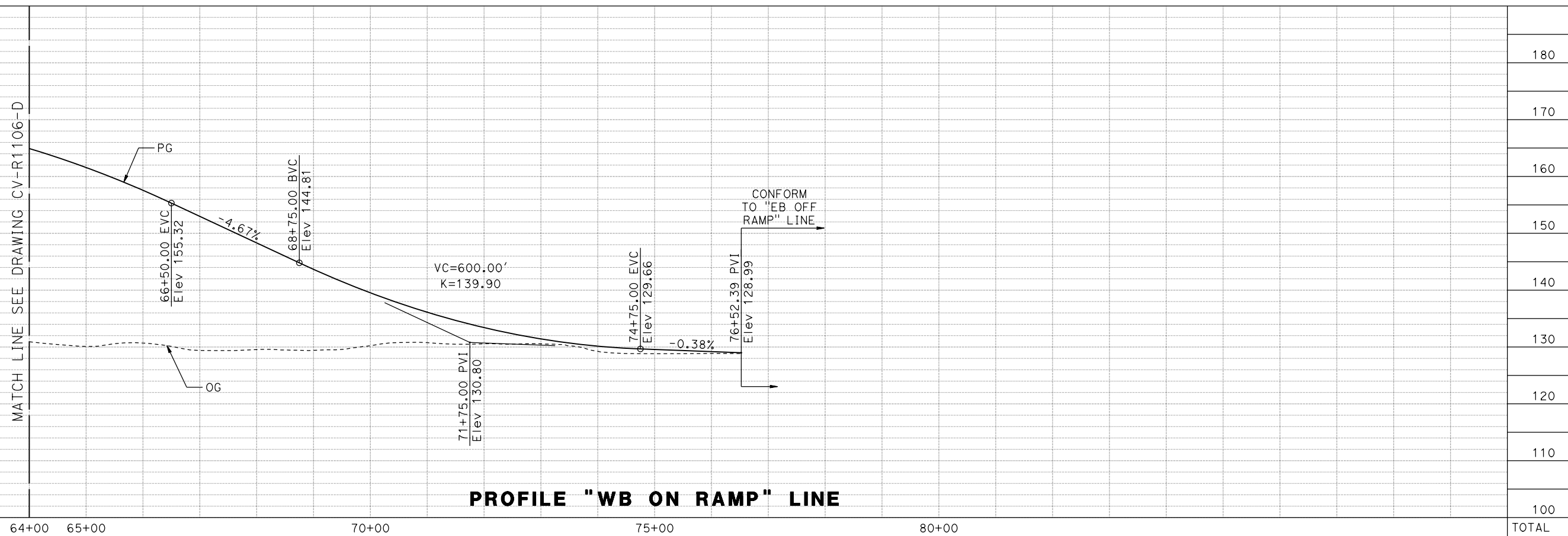
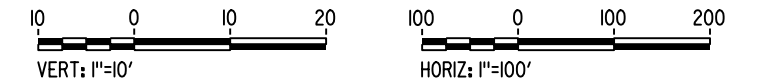
MERCED COUNTY



NOTES:

- SR 59/SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "WB ON RAMP" LINE

16-AUG-2016 10:52 MF-CV-R1107-D.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

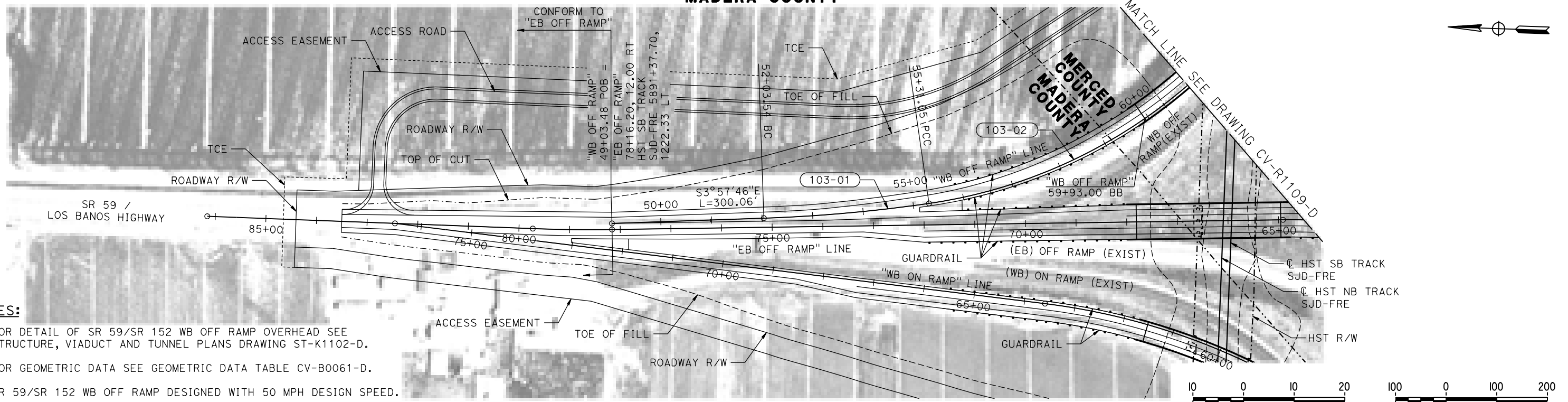
RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 WB ON RAMP GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1107-D
SCALE
AS SHOWN
SHEET NO.

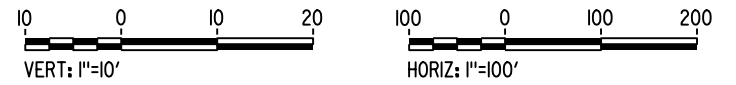
MADERA COUNTY



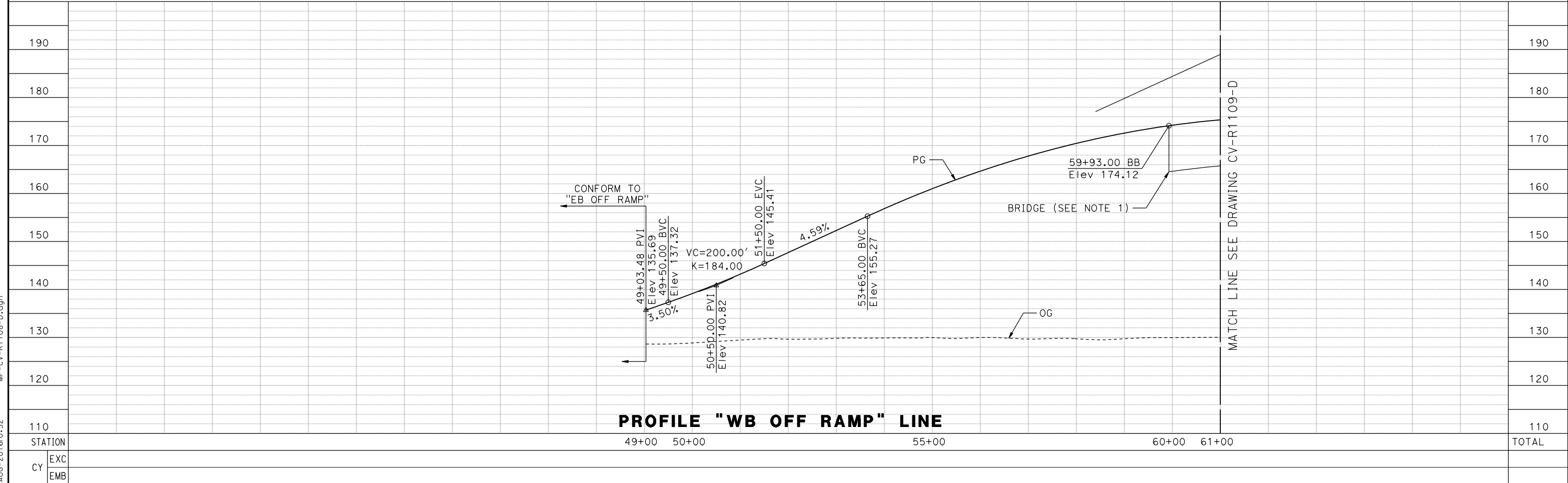
NOTES:

1. FOR DETAIL OF SR 59/SR 152 WB OFF RAMP OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1102-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
3. SR 59/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



16-AUG-2016 10:52 MF-CV-R1108-D.dgn



PROFILE "WB OFF RAMP" LINE

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



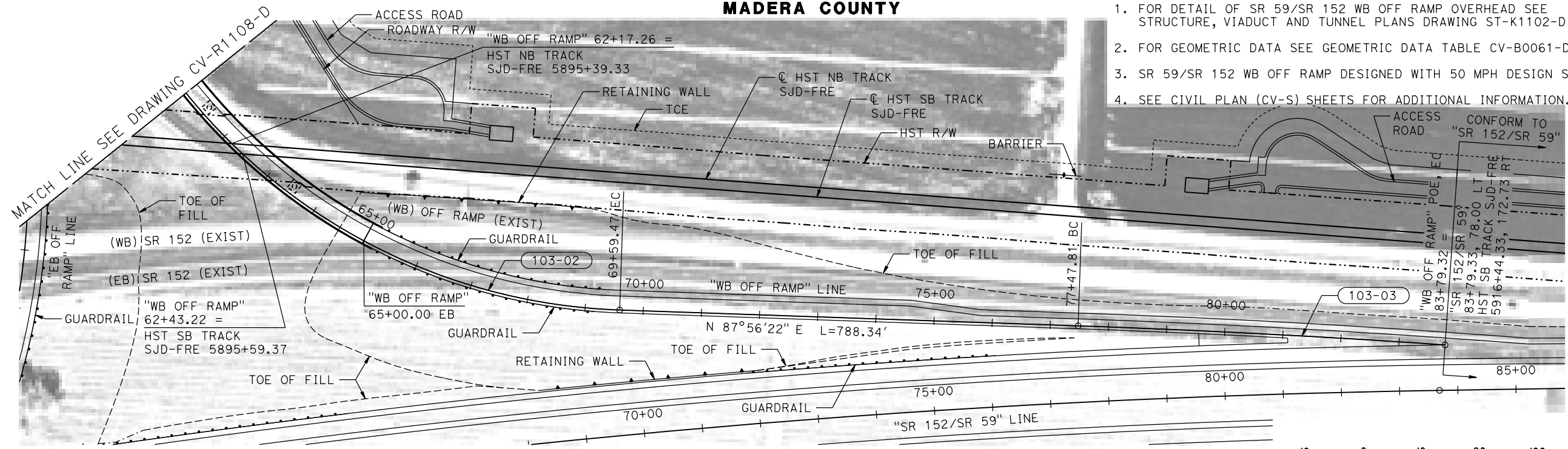
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 WB OFF RAMP GRADE SEPARATION

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

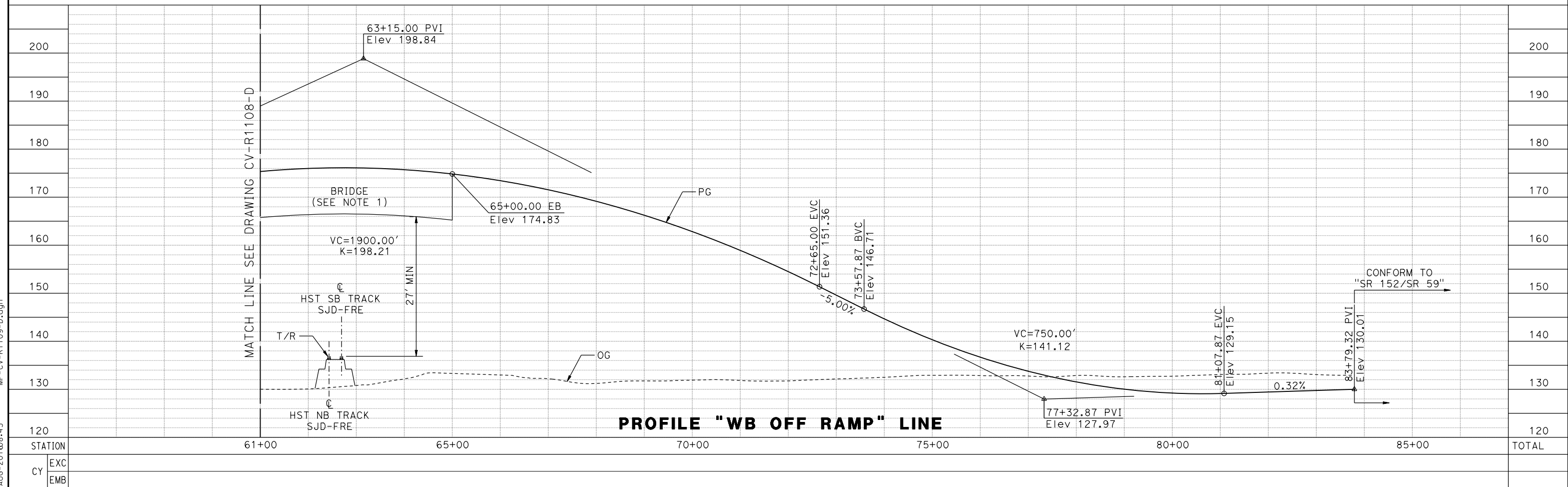
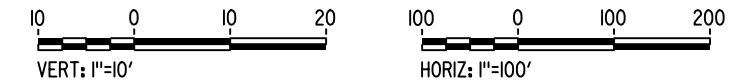
MADERA COUNTY

NOTES:

1. FOR DETAIL OF SR 59/SR 152 WB OFF RAMP OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1102-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
3. SR 59/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "WB OFF RAMP" LINE

13-AUG-2016 08:45 MF-CV-R1109-D.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

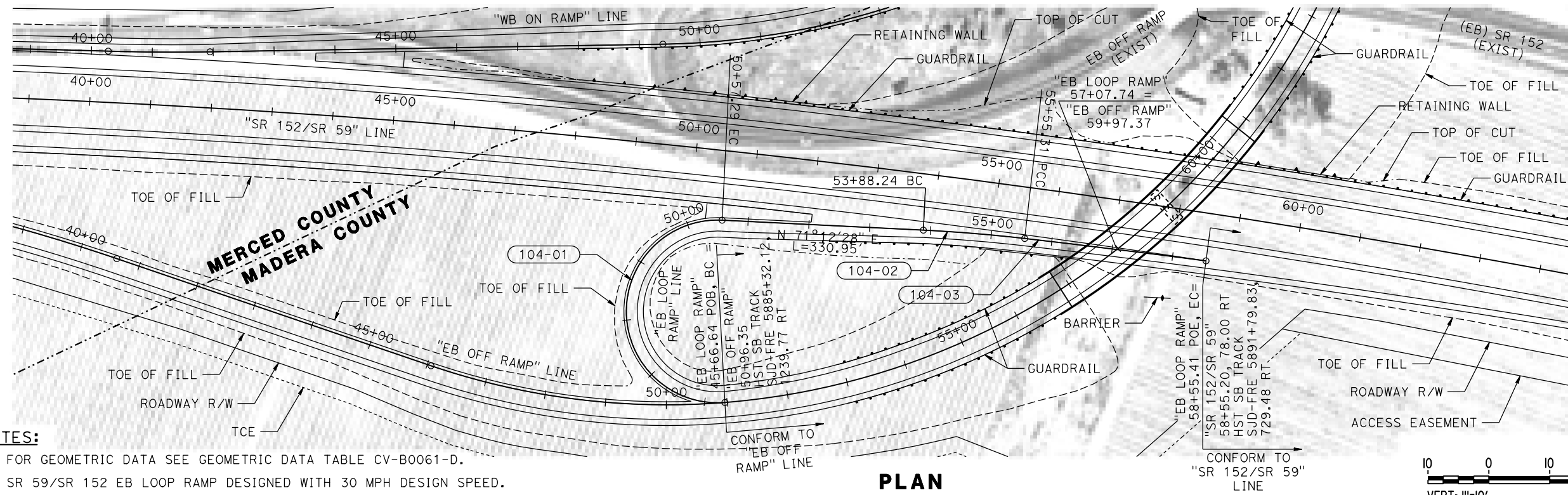


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 WB OFF RAMP GRADE SEPARATION

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

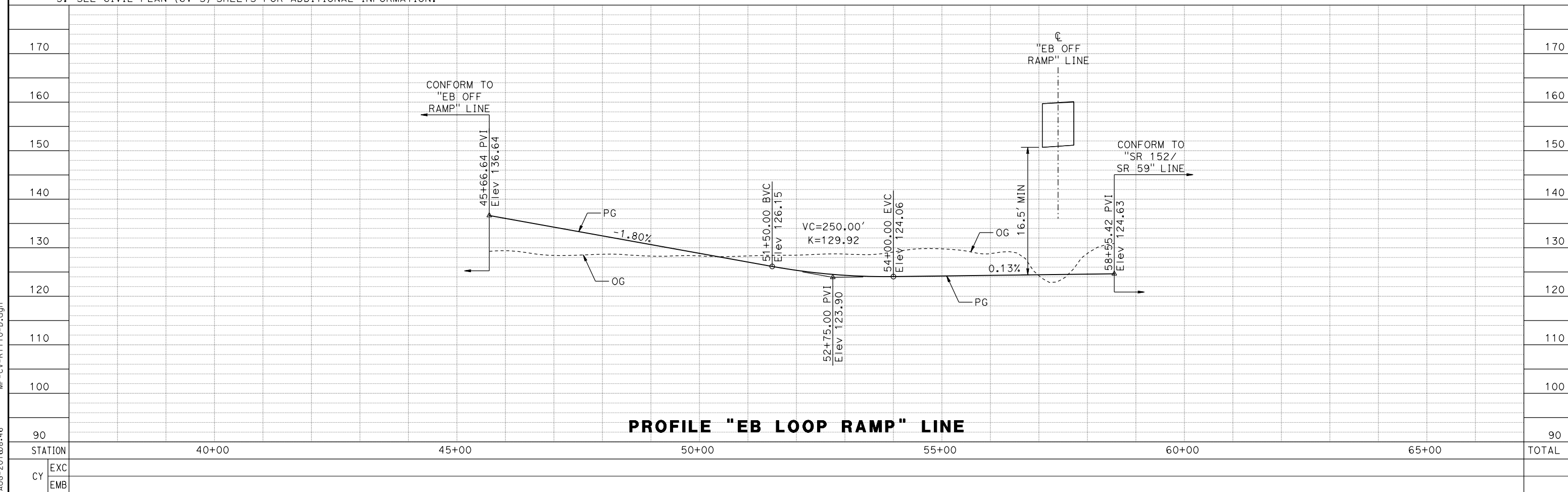
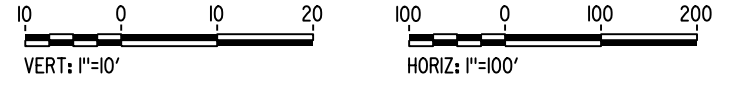
MERCED COUNTY

MADERA COUNTY



- NOTES:**
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
 2. SR 59/SR 152 EB LOOP RAMP DESIGNED WITH 30 MPH DESIGN SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB LOOP RAMP" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 EB LOOP ON RAMP

CONTRACT NO.
HSR08-05

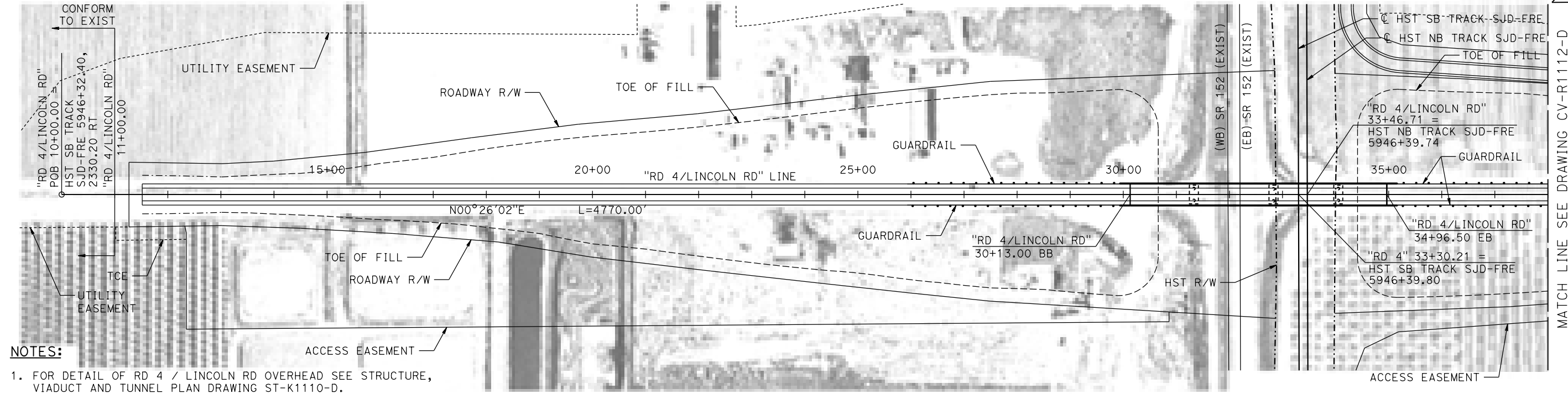
DRAWING NO.
CV-R1110-D

SCALE
AS SHOWN

SHEET NO.

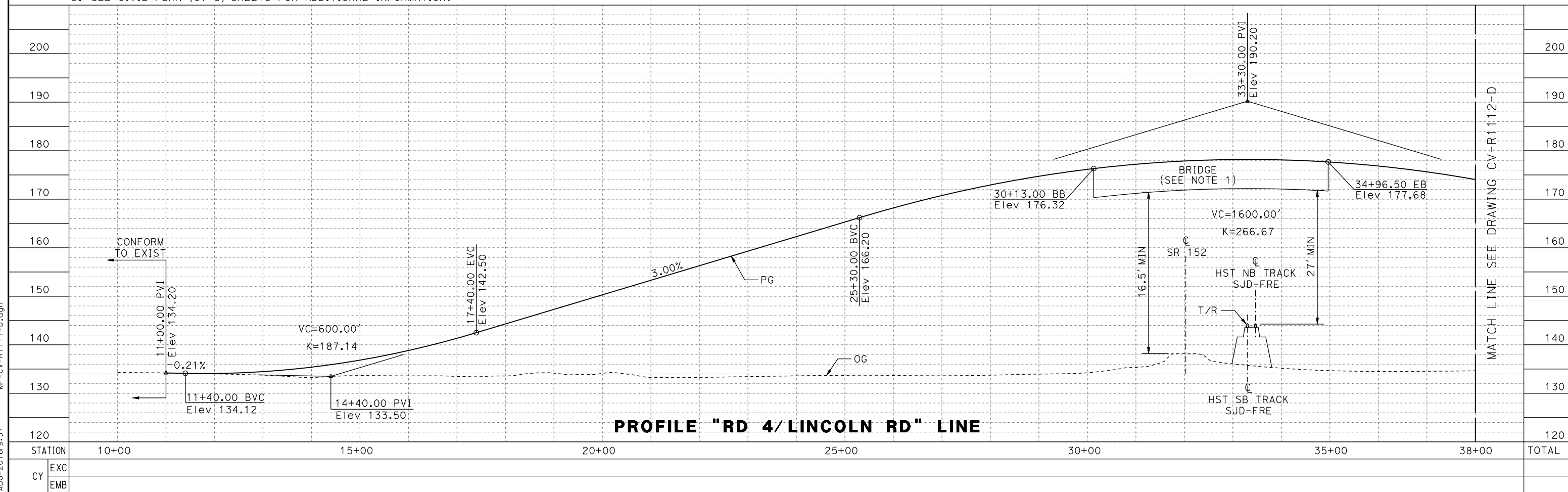
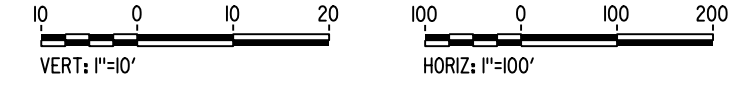
13-AUG-2016 08:46 MF-CV-R1110-D.dgn

MADERA COUNTY



- NOTES:**
- FOR DETAIL OF RD 4 / LINCOLN RD OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLAN DRAWING ST-K1110-D.
 - ROAD 4/LINCOLN ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



31-AUG-2016 9:37 MF-CV-R1111-D.dgn

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 4/LINCOLN ROAD GRADE SEPARATION

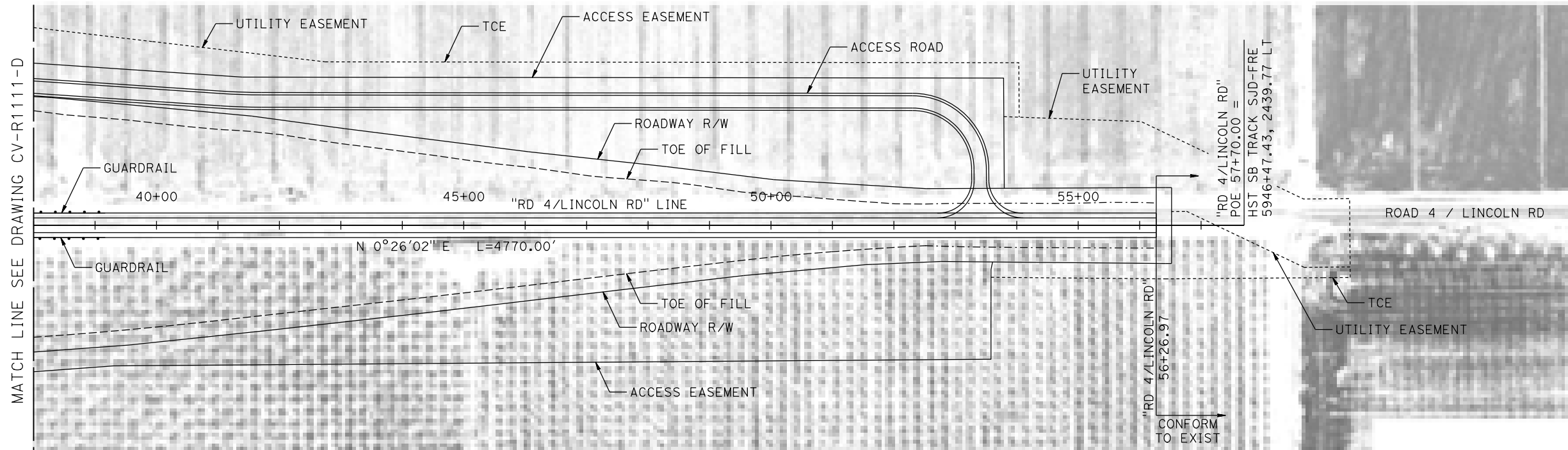
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1111-D

SCALE
AS SHOWN

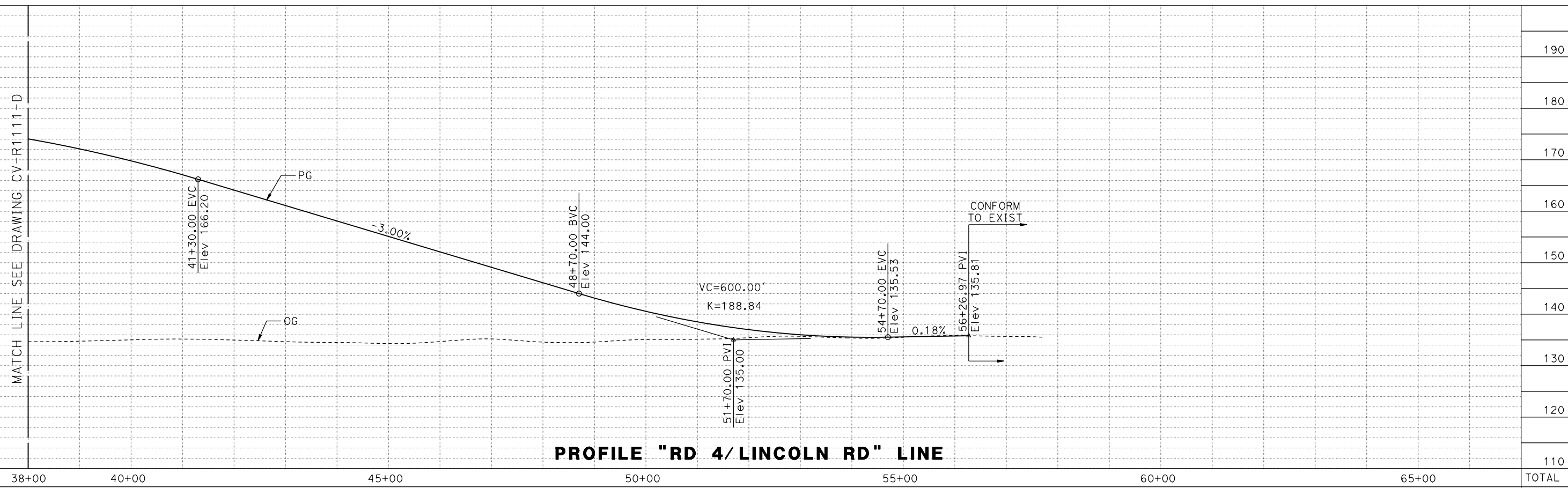
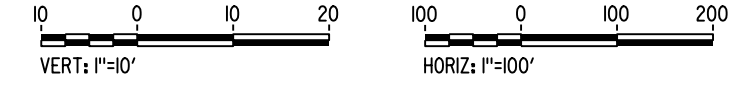
SHEET NO.

MADERA COUNTY



- NOTES:**
1. ROAD 4/LINCOLN ROAD DESIGNED WITH 60 MPH DESIGN SPEED.
 2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 4/LINCOLN RD" LINE

16-AUG-2016 10:51 MF-CV-R1112-D.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

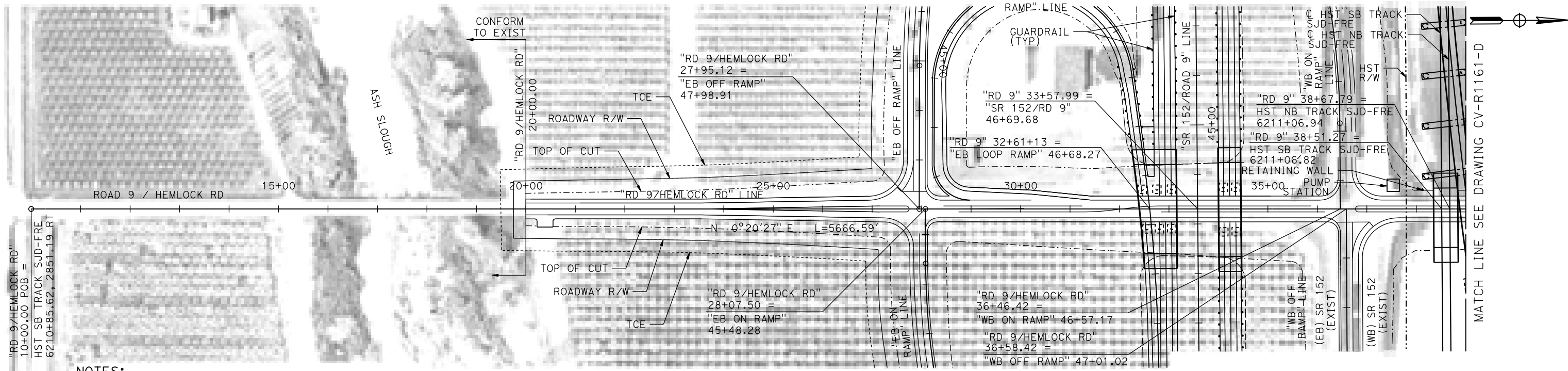
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 4/LINCOLN ROAD GRADE SEPARATION

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

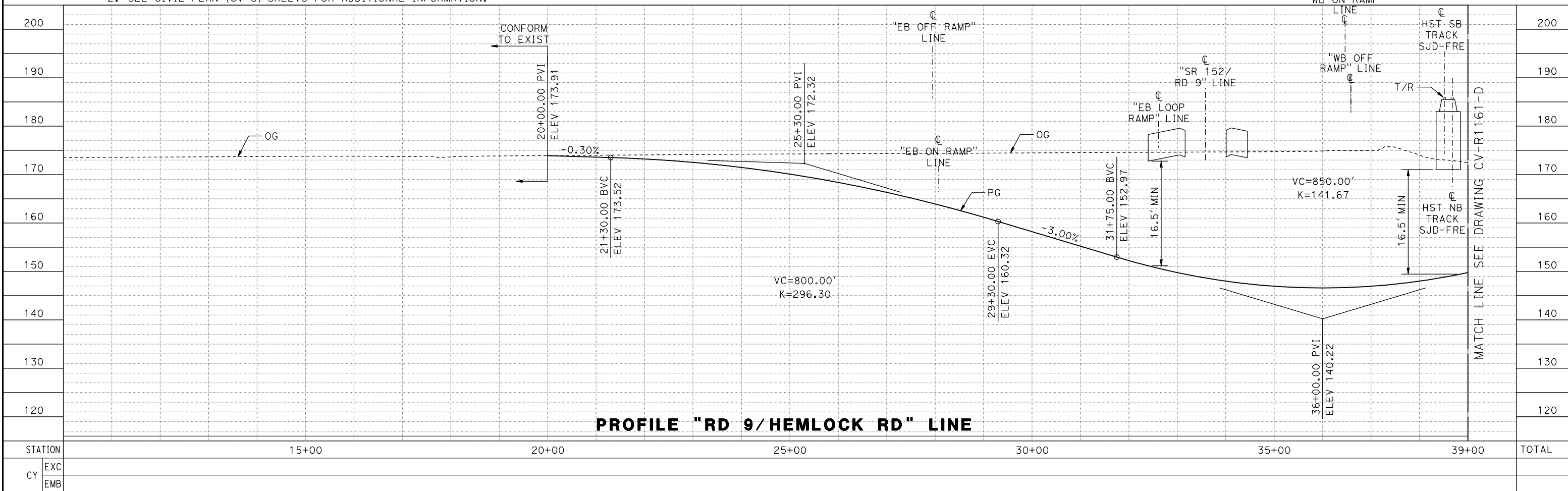
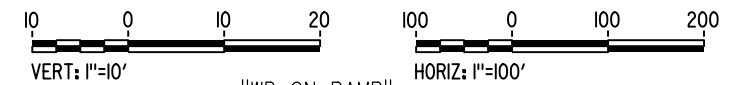
MADERA COUNTY



NOTES:

- ROAD 9/HEMLOCK RD DESIGNED WITH 60 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 9/HEMLOCK RD" LINE

16-AUG-2016 01:51 MF-CV-R1160-D.dgn

STATION	15+00	20+00	25+00	30+00	35+00	39+00	TOTAL
EXC							
EMB							

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

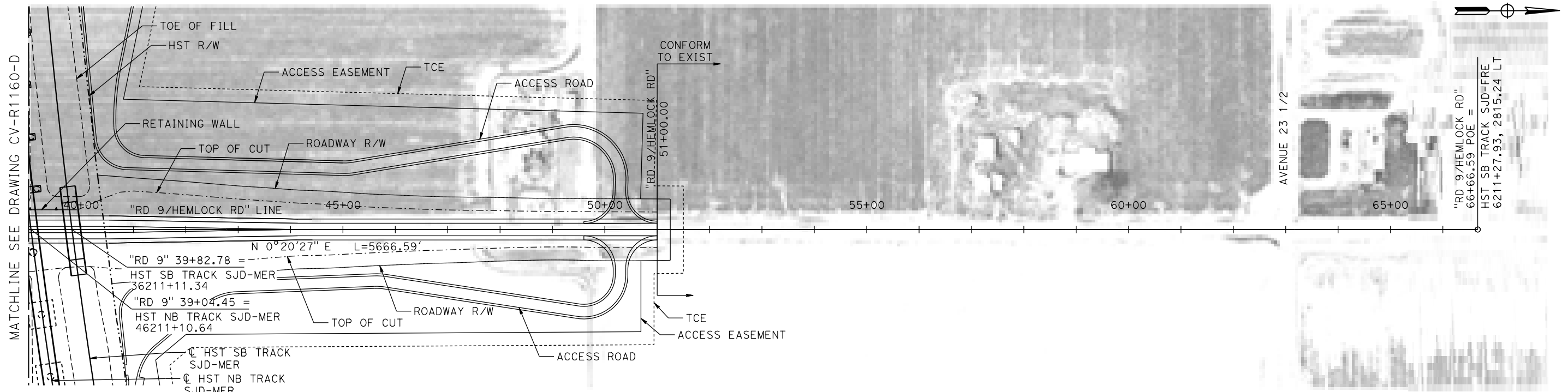
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1160-D

SCALE
AS SHOWN

SHEET NO.

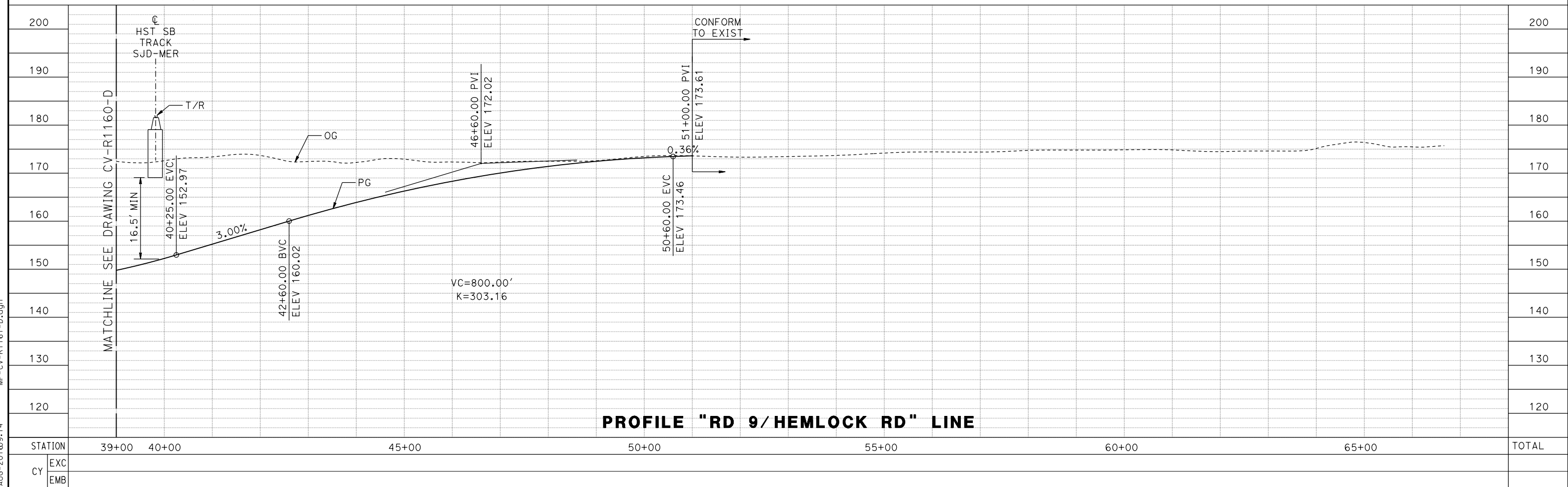
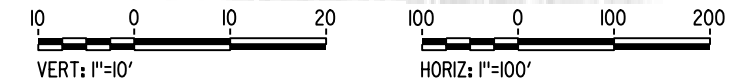
MADERA COUNTY



NOTES:

1. ROAD 9/HEMLOCK RD DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 9/HEMLOCK RD" LINE

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

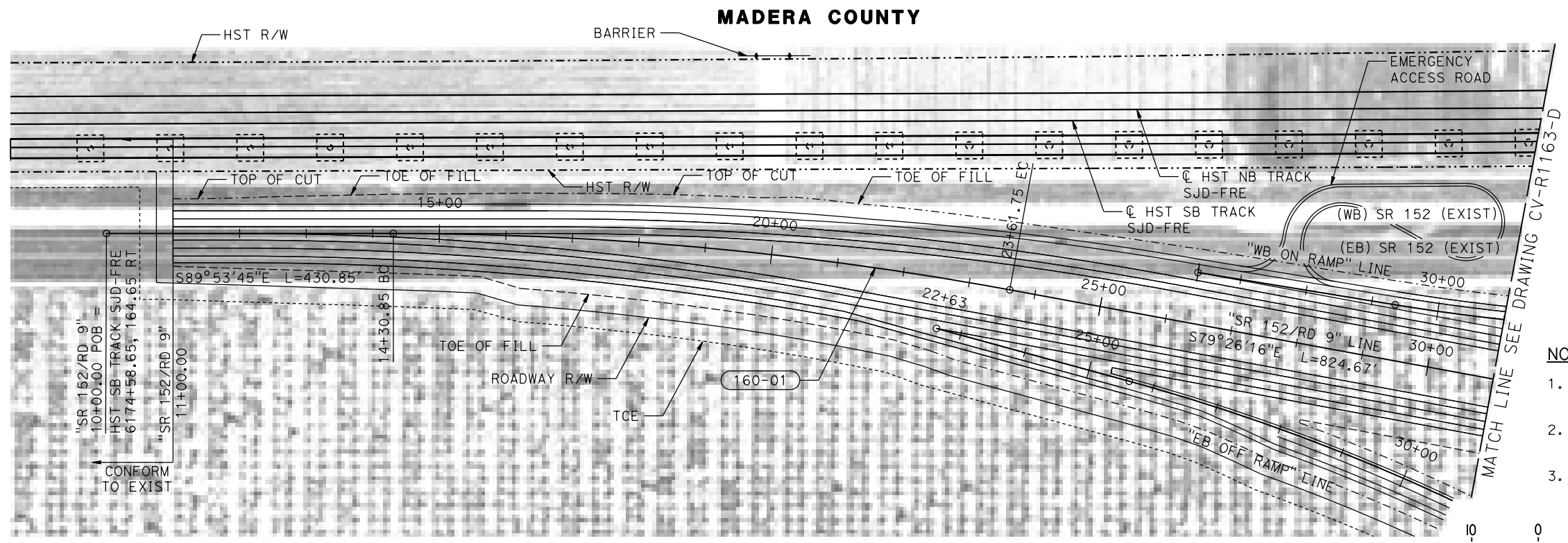
NOT FOR
CONSTRUCTION



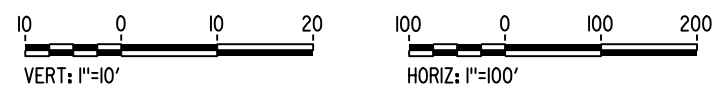
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

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

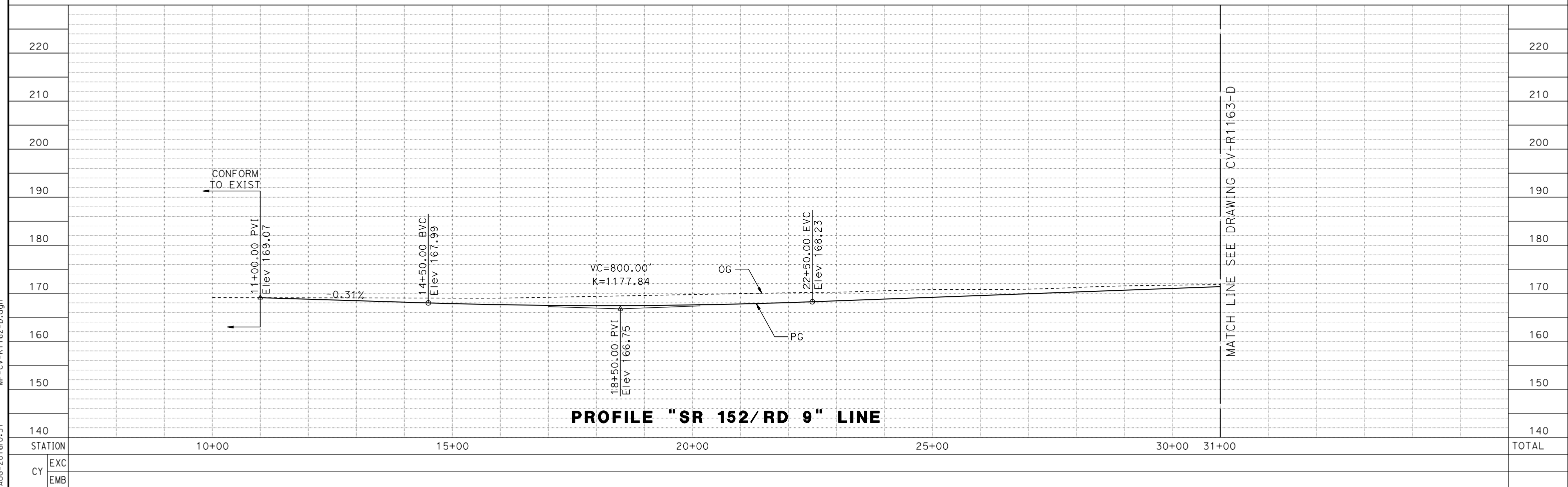
13-AUG-2016 09:14 MF-CV-R1161-D.dgn



PLAN



- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
 - SR 152 REALIGNMENT AT ROAD 9 DESIGNED WITH 80 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PROFILE "SR 152/RD 9" LINE

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

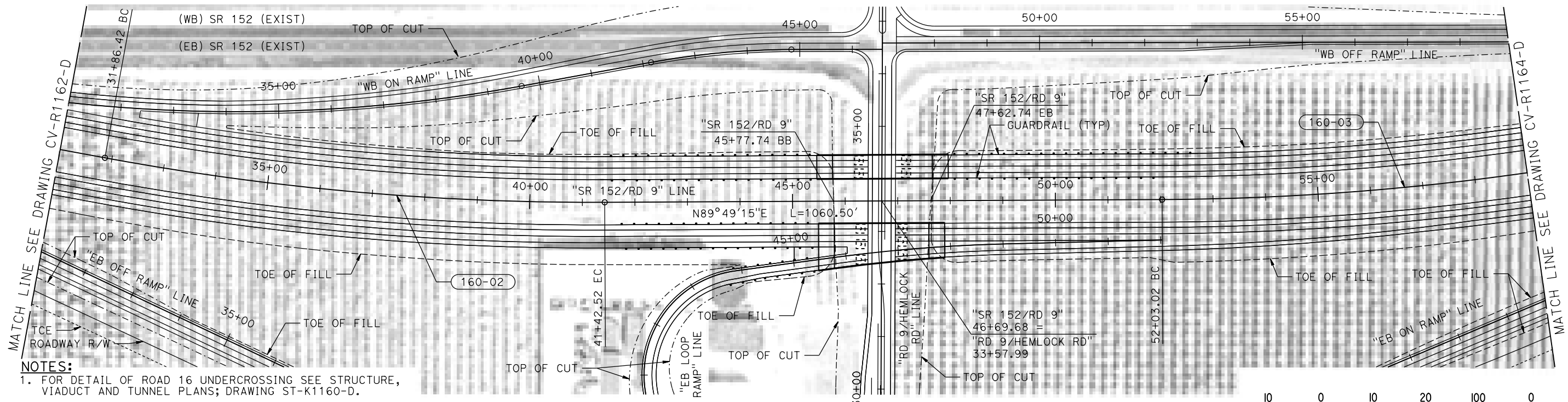


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 9

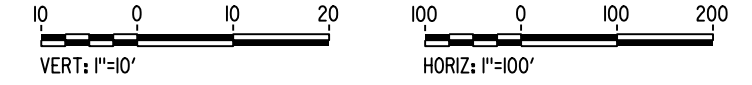
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1162-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 01:51 MF-CV-R1162-D.dgn

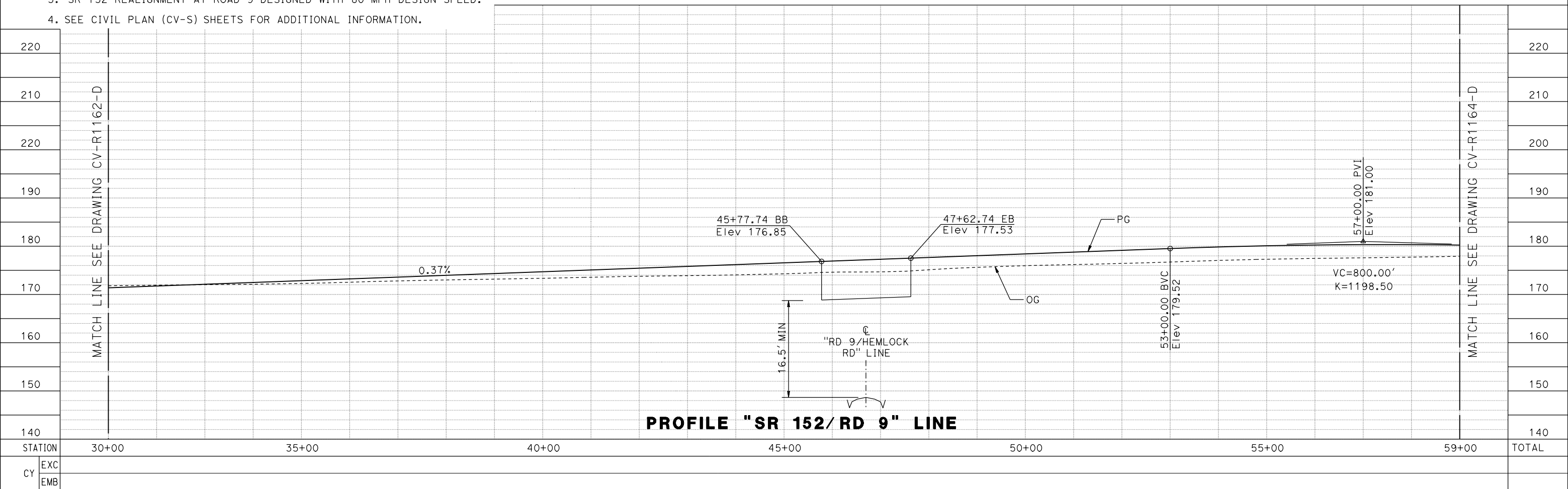
MADERA COUNTY



PLAN



- NOTES:**
1. FOR DETAIL OF ROAD 16 UNDERCROSSING SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1160-D.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
 3. SR 152 REALIGNMENT AT ROAD 9 DESIGNED WITH 80 MPH DESIGN SPEED.
 4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PROFILE "SR 152/ RD 9" LINE

13-AUG-2016 6:21 MF-CV-R1163-D.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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 9

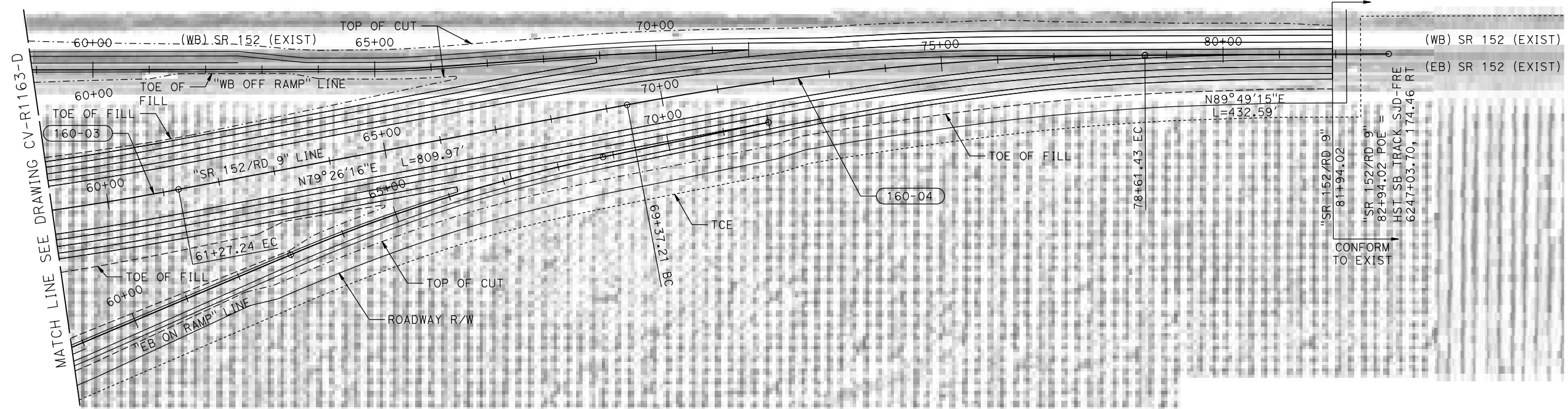
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1163-D

SCALE
AS SHOWN

SHEET NO.

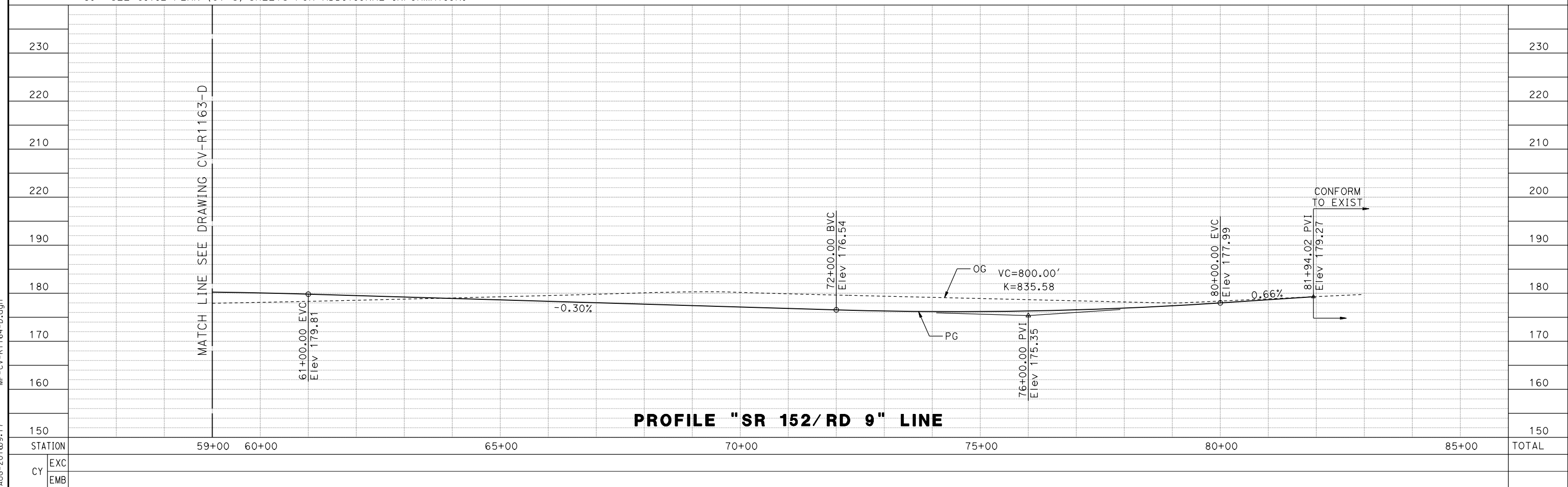
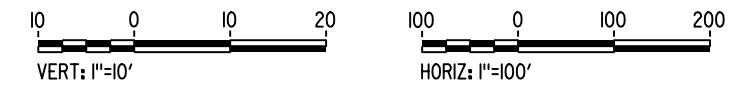
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
2. SR 152 REALIGNMENT AT ROAD 9 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/RD 9" LINE

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

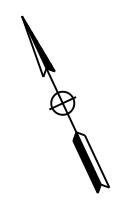
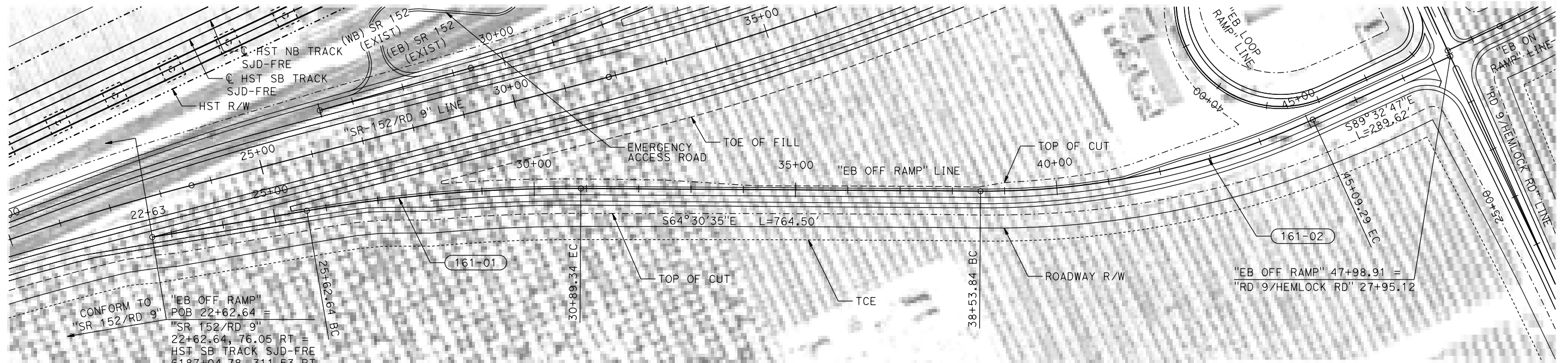


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 9

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

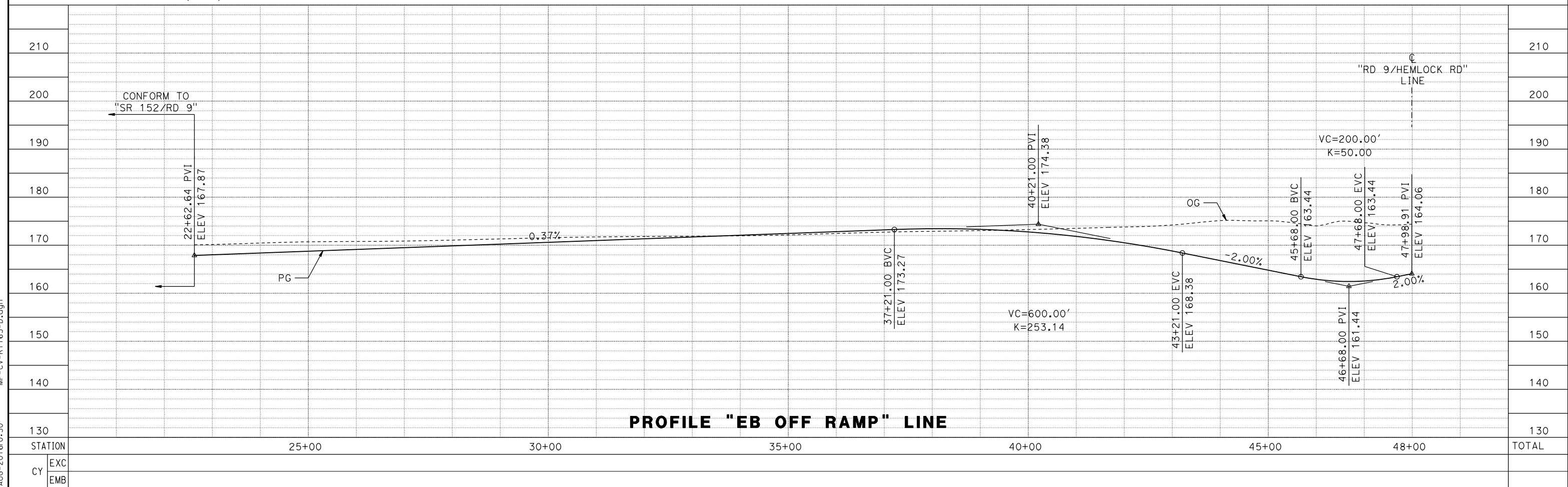
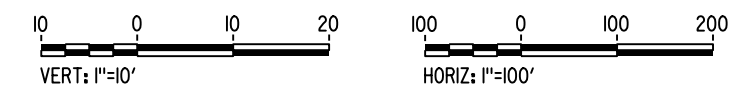
13-AUG-2016 09:17 MF-CV-R1164-D.dgn

MADERA COUNTY



- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
 - ROAD 9/SR 152 EB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

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

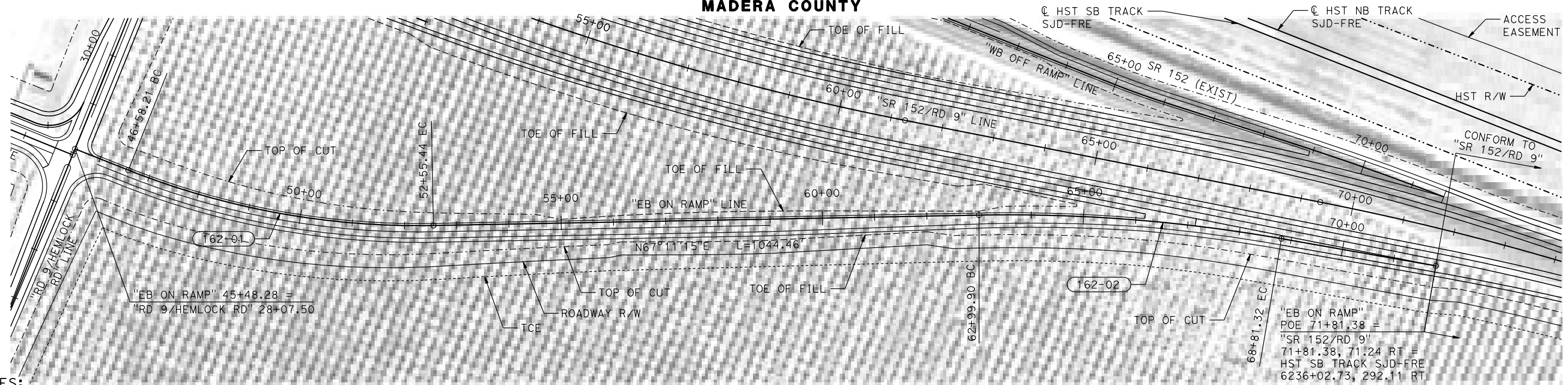


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 EB OFF RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1165-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:50 MF-CV-R1165-D.dgn

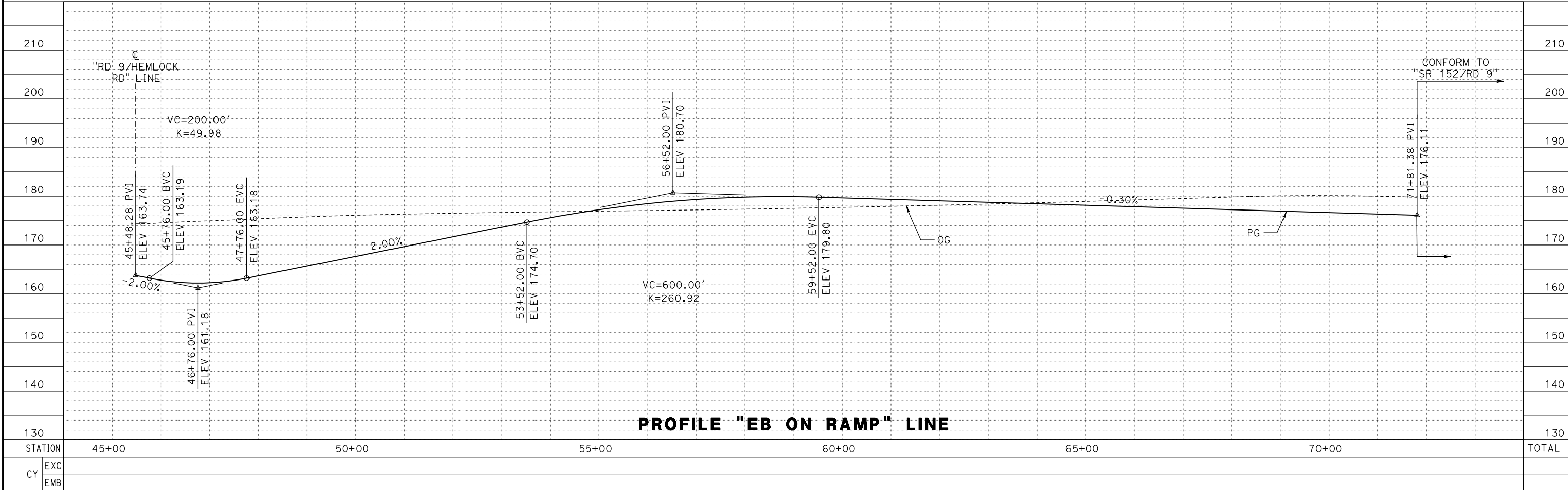
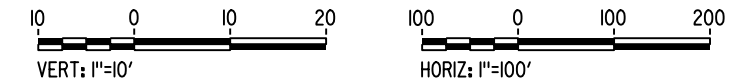
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-D.
2. ROAD 9/SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB ON RAMP" LINE

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

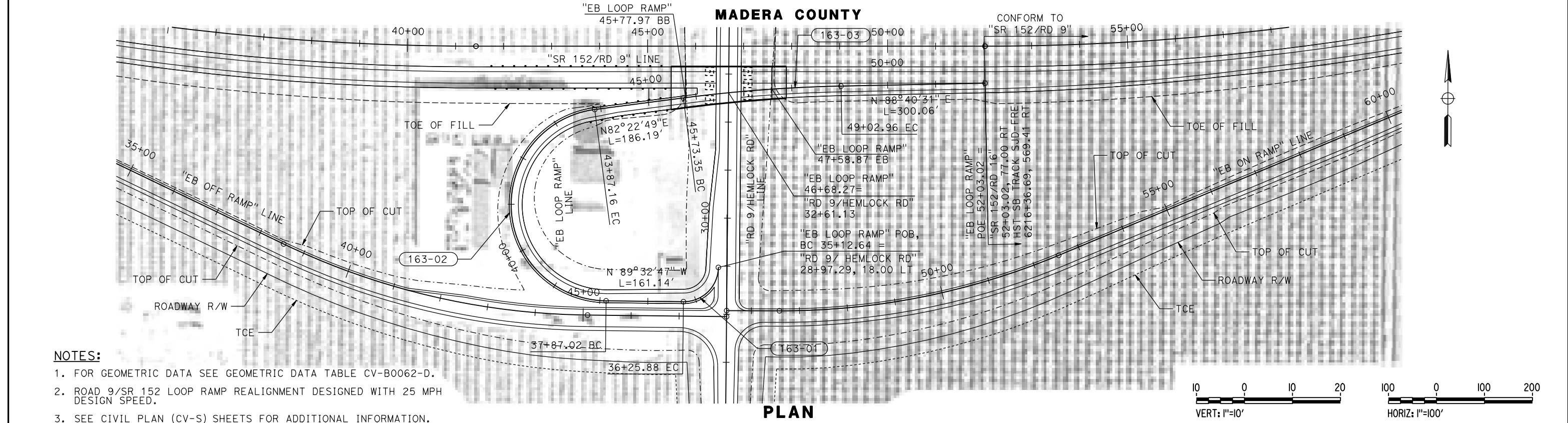
NOT FOR
CONSTRUCTION



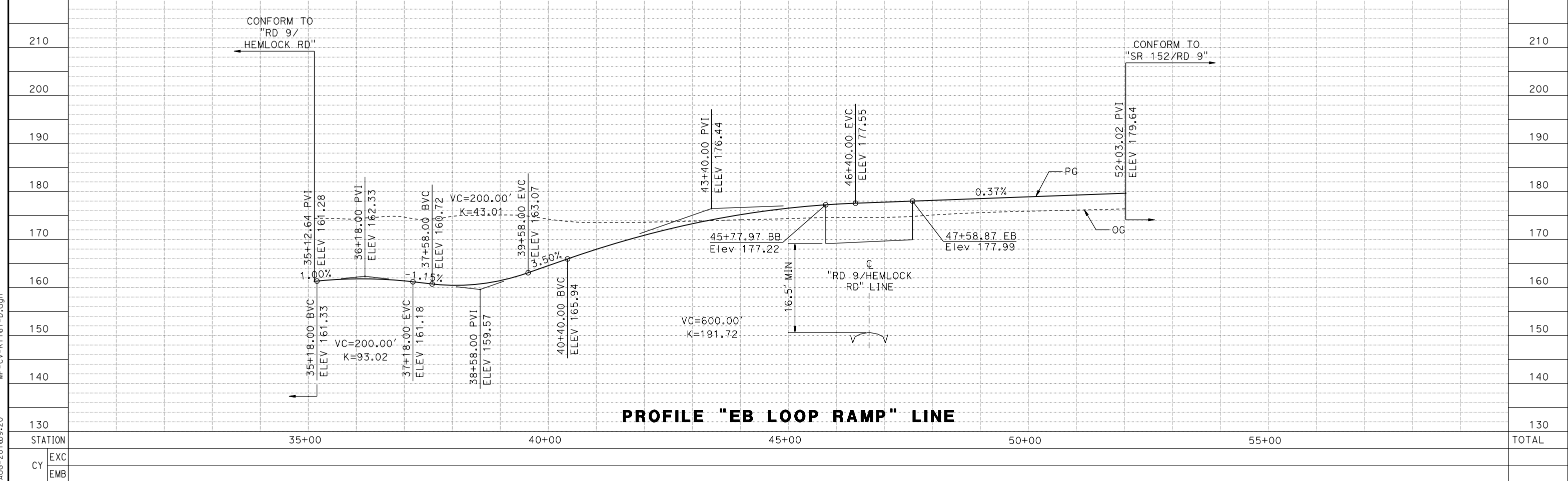
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 EB ON RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1166-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 09:19 MF-CV-R1166-D.dgn



- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
 - ROAD 9/SR 152 LOOP RAMP REALIGNMENT DESIGNED WITH 25 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 LOOP RAMP

CONTRACT NO.
HSR08-05

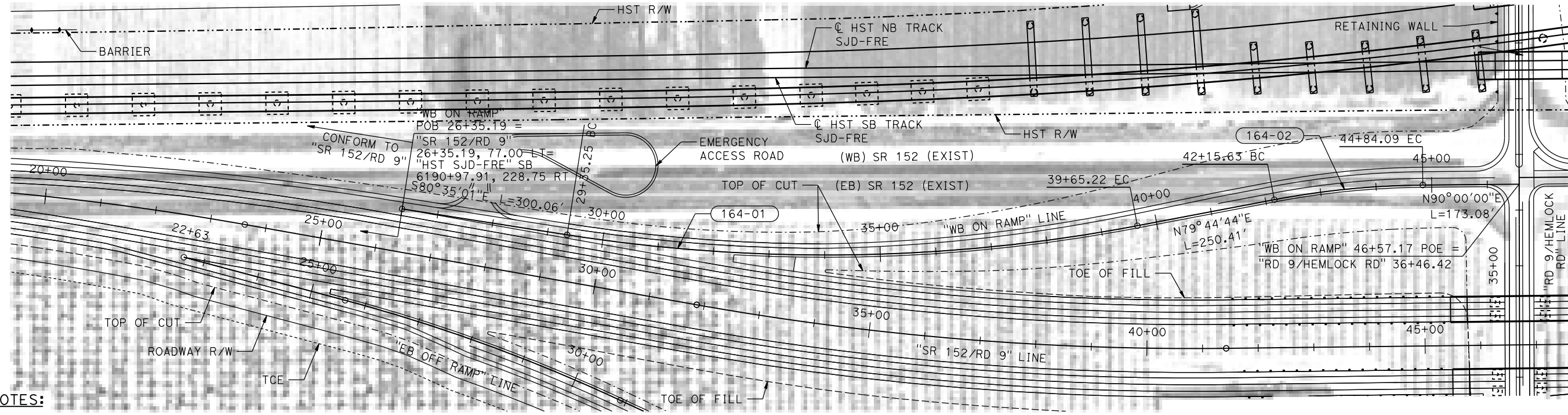
DRAWING NO.
CV-R1167-D

SCALE
AS SHOWN

SHEET NO.

13-AUG-2016 09:20 MF-CV-R1167-D.dgn

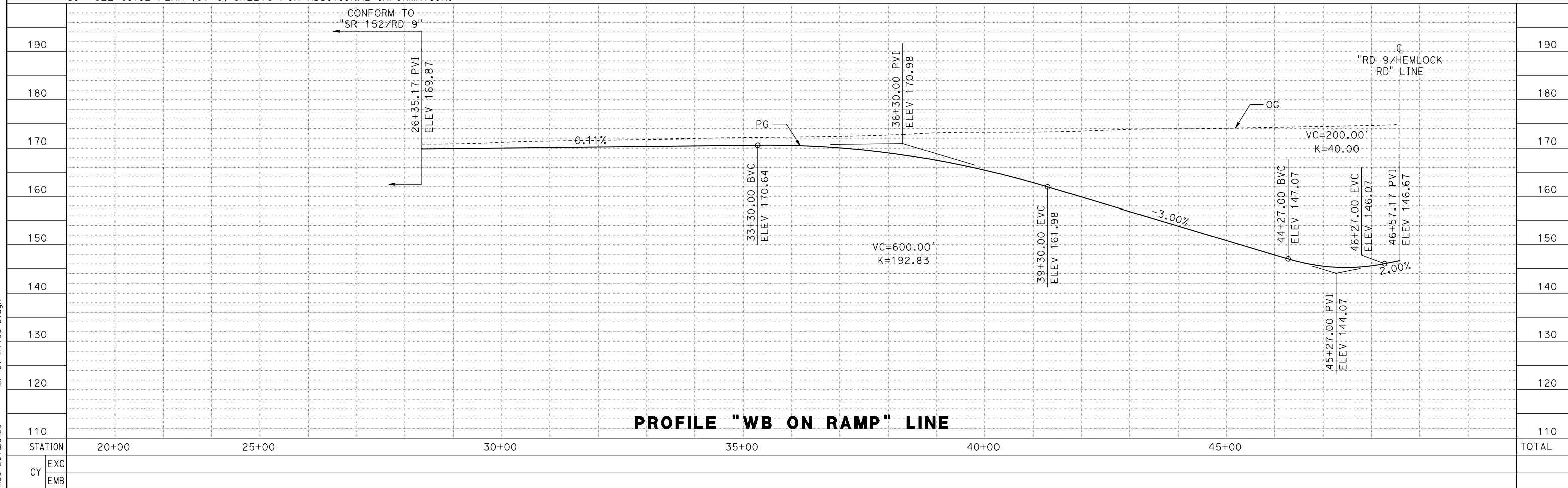
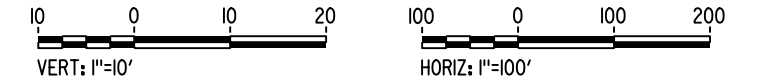
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. ROAD 9/SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "WB ON RAMP" LINE

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

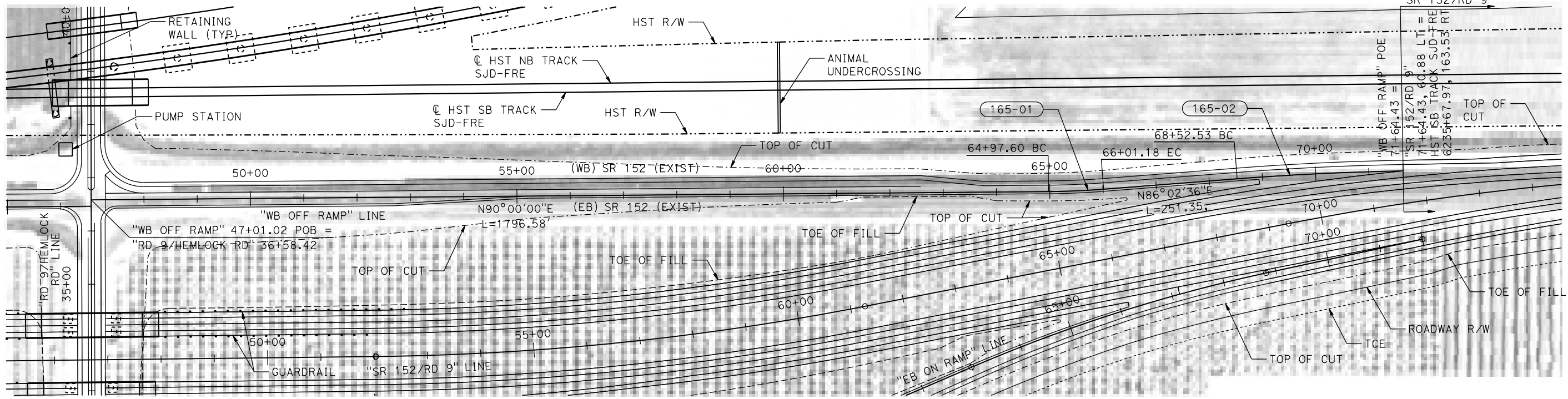


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 WB ON RAMP

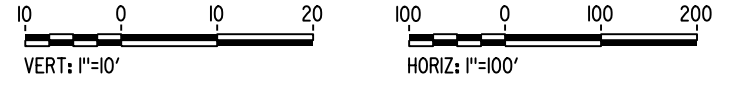
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1168-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 09:20 MF-CV-R1168-D.dgn

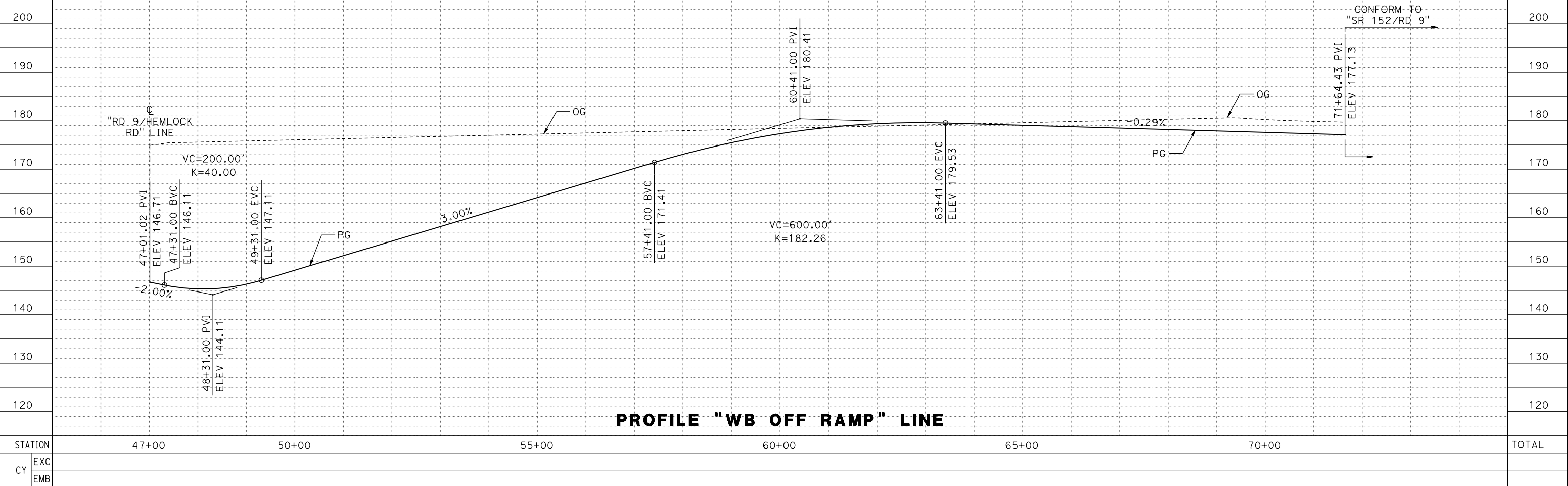
MADERA COUNTY



PLAN



- NOTES:**
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
 2. ROAD 9/SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PROFILE "WB OFF RAMP" LINE

13-AUG-2016 09:21 MF-CV-R1169-D.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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 9/SR 152 WB OFF RAMP

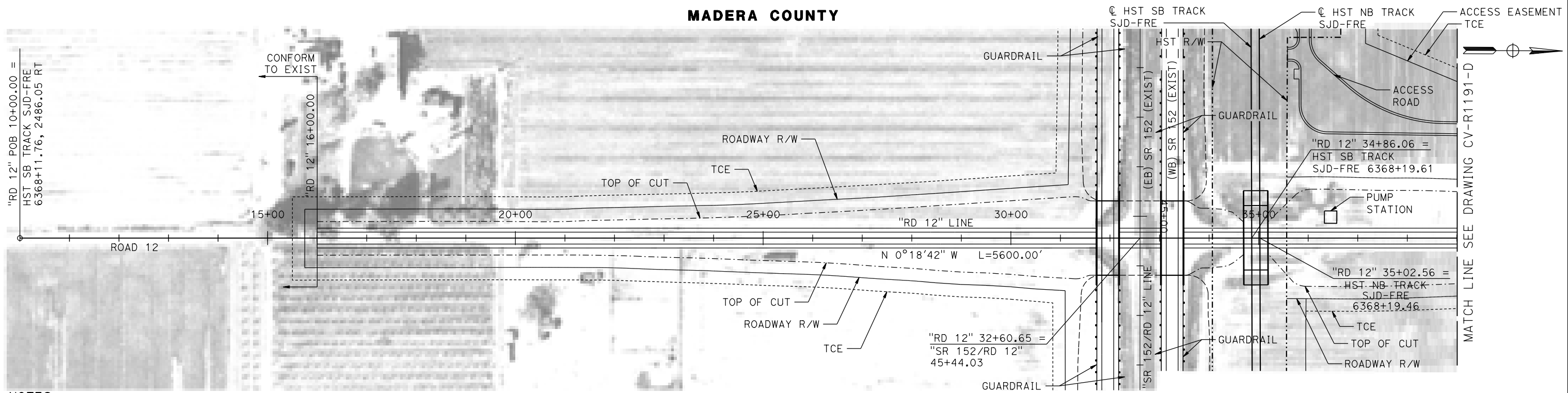
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1169-D

SCALE
AS SHOWN

SHEET NO.

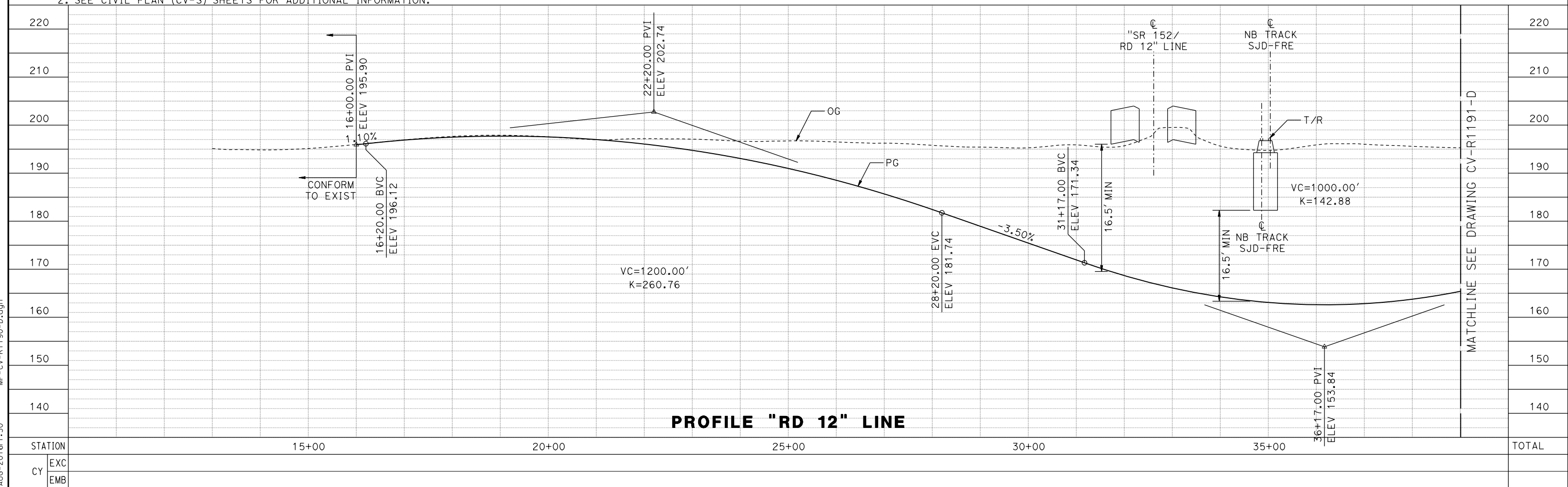
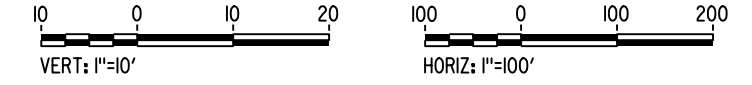
MADERA COUNTY



NOTES:

- ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 12" LINE

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

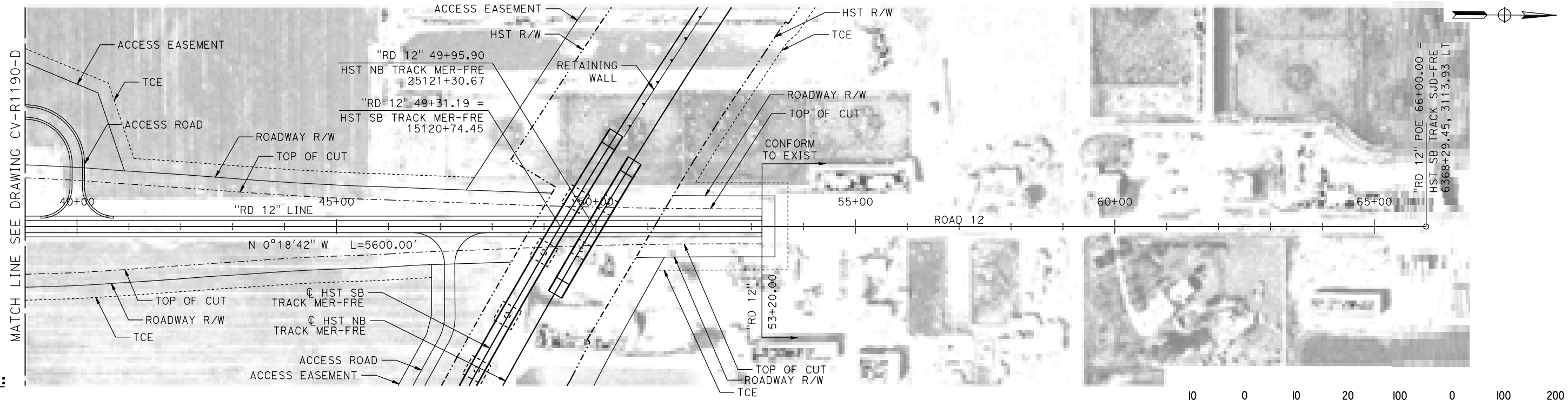


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 12 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1190-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 1:50 MF-CV-R1190-D.dgn

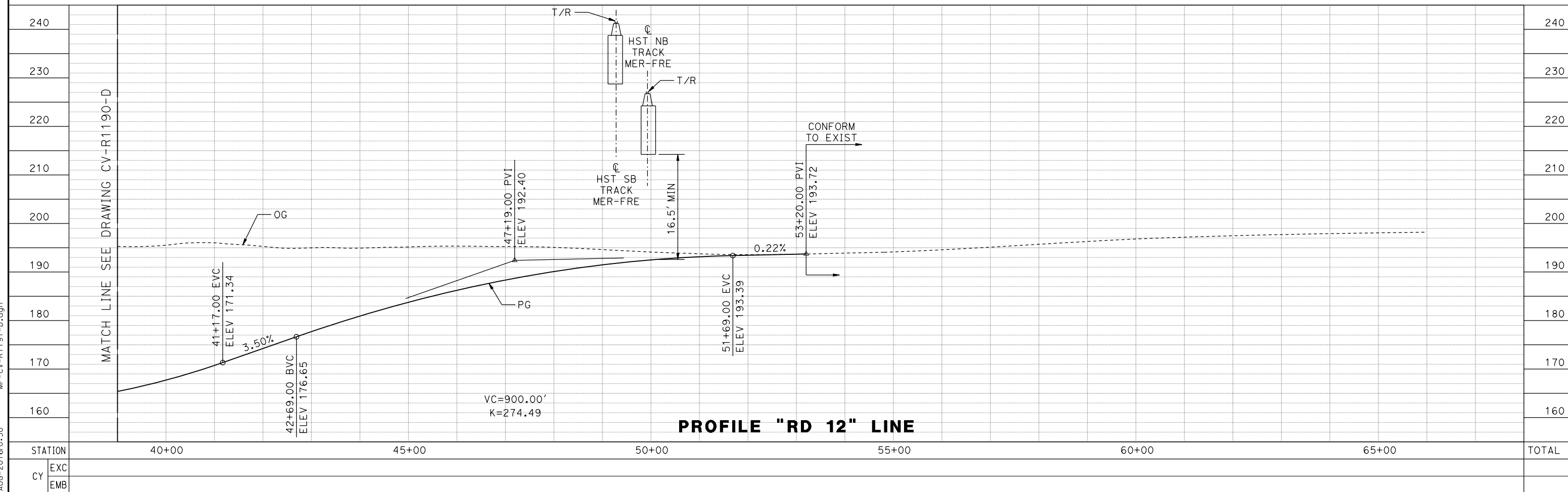
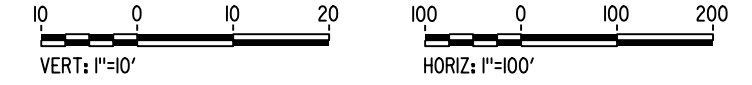
MADERA COUNTY



NOTES:

1. ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 12" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 12 GRADE SEPARATION

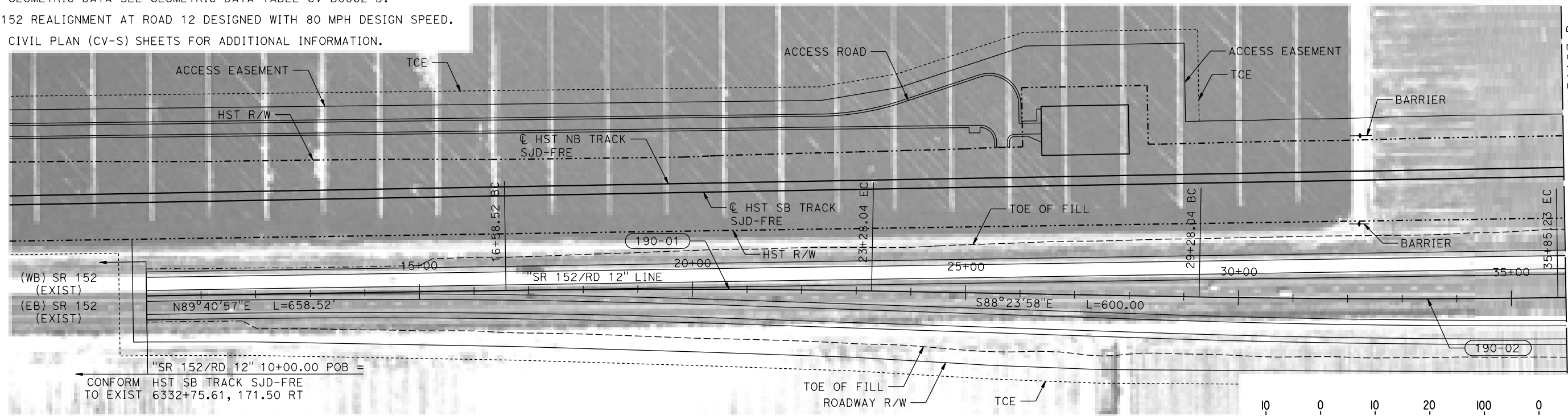
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1191-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:50 MF-CV-R1191-D.dgn

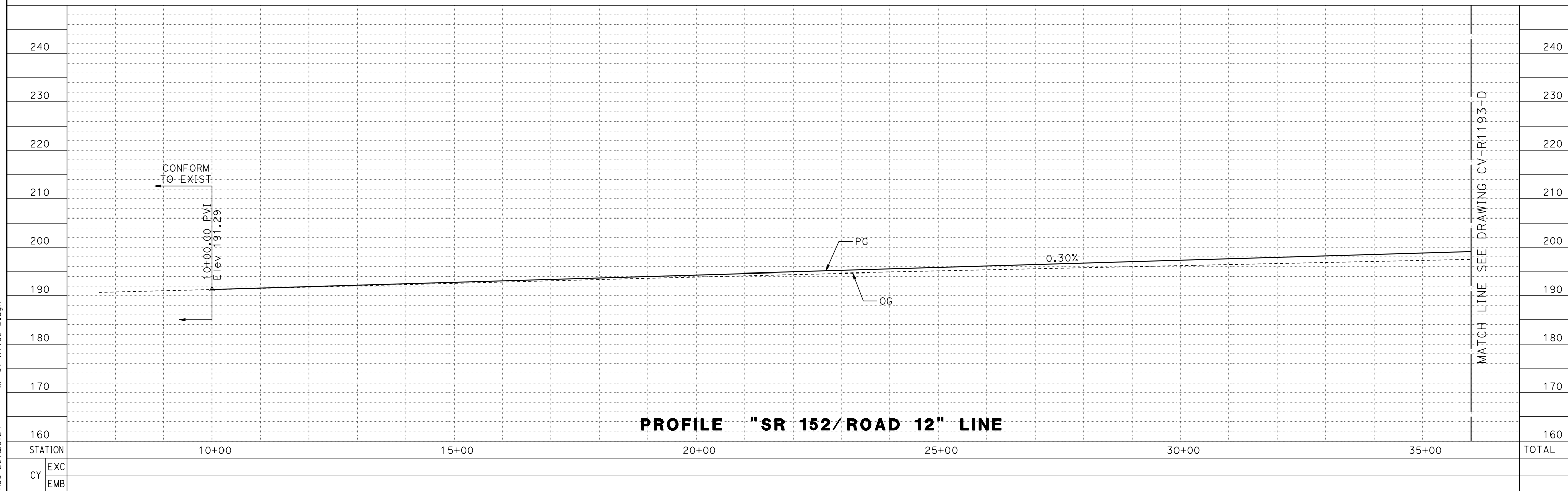
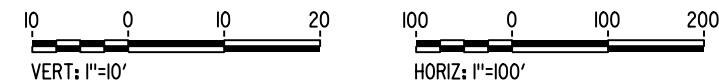
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

MADERA COUNTY



PLAN



PROFILE "SR 152/ROAD 12" LINE

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

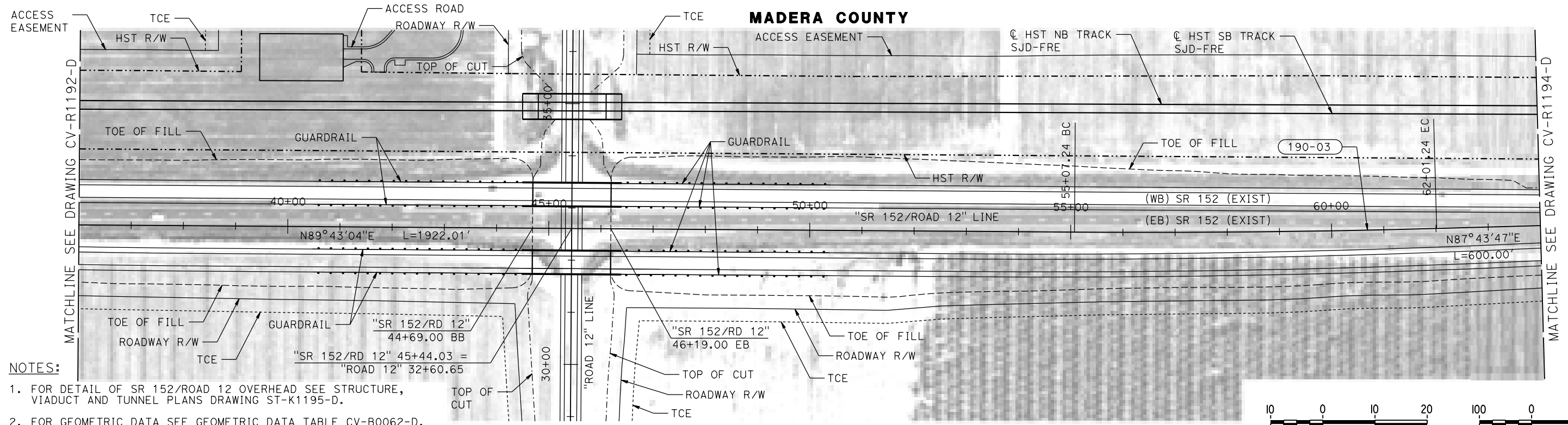


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 12

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1192-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 09:24 MF-CV-R1192-D.dgn

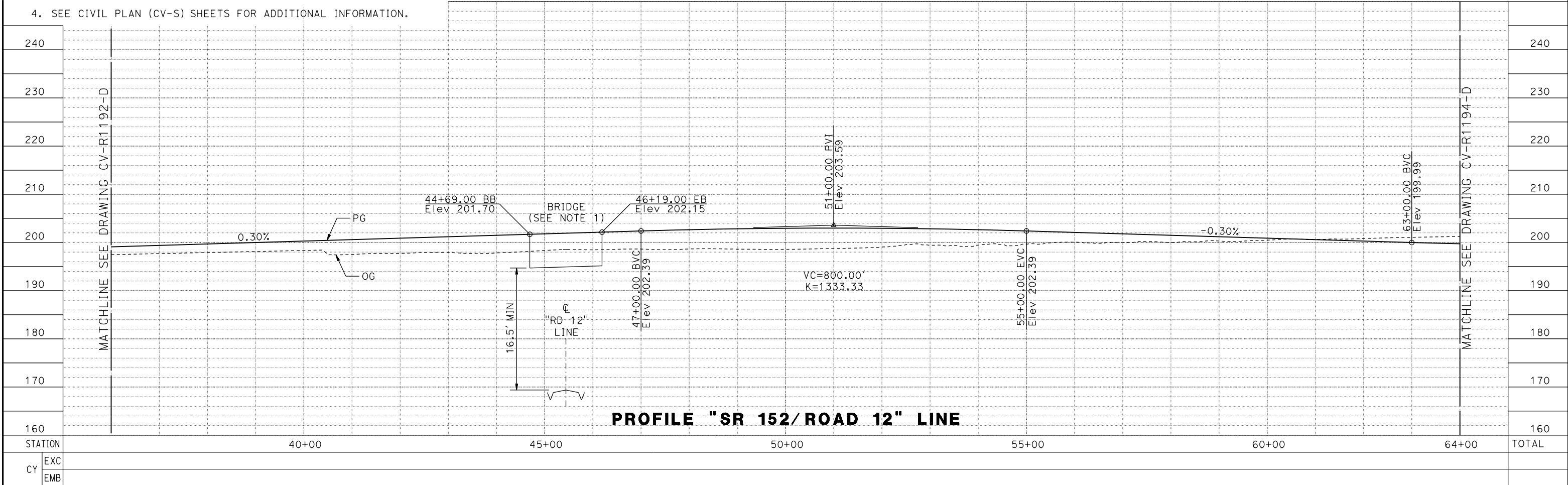
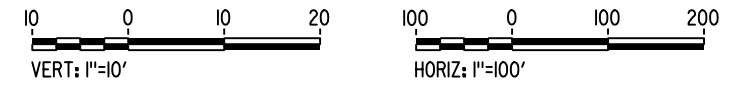
MADERA COUNTY



NOTES:

- FOR DETAIL OF SR 152/ROAD 12 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1195-D.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
- SR 152 REALIGNMENT DESIGNED WITH 80 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/ROAD 12" LINE

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

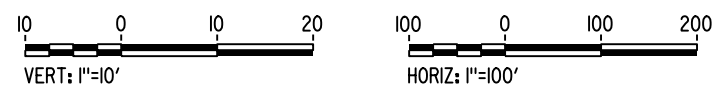
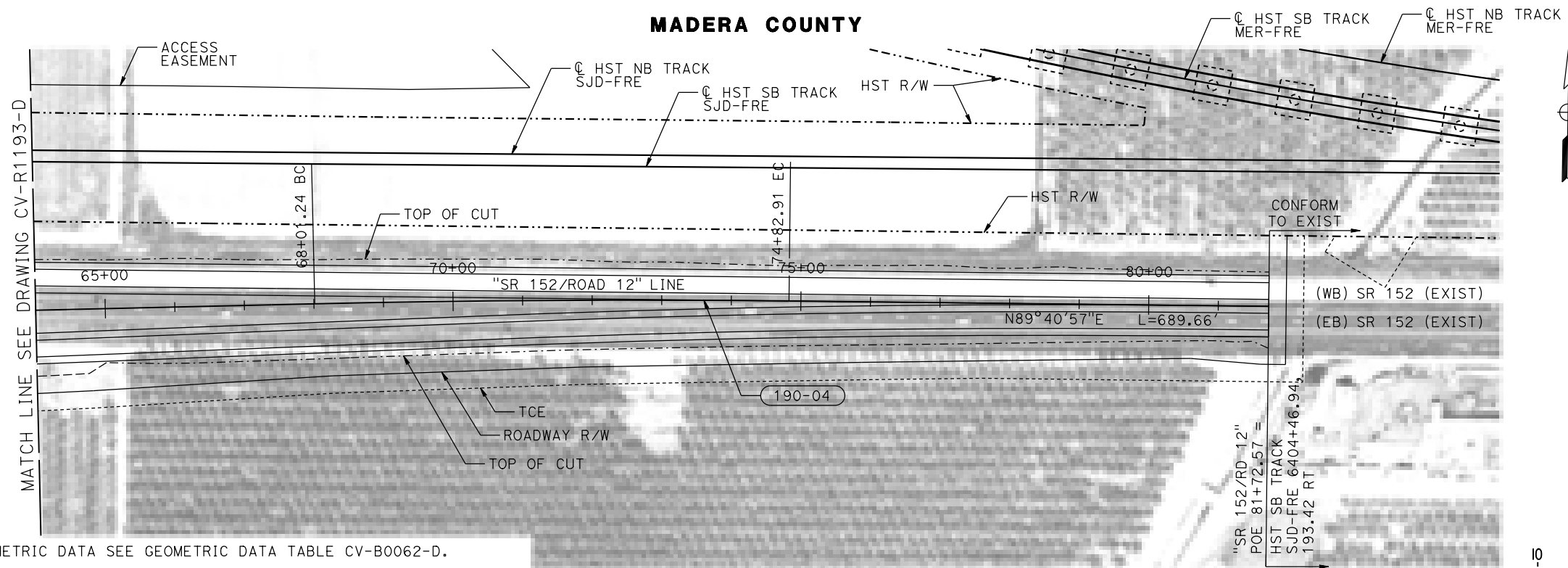


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 12

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1193-D
SCALE
AS SHOWN
SHEET NO.

14-AUG-2016 2:33 MF-CV-R1193-D.dgn

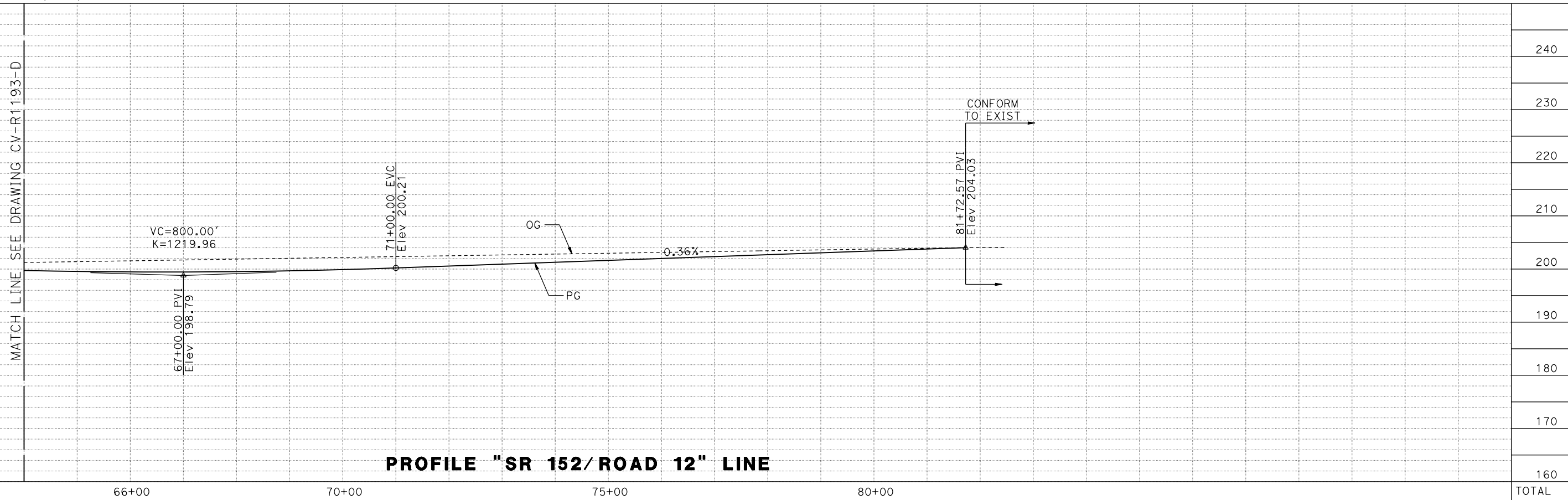
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/ROAD 12" LINE

13-AUG-2016 09:26 MF-CV-R1194-D.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

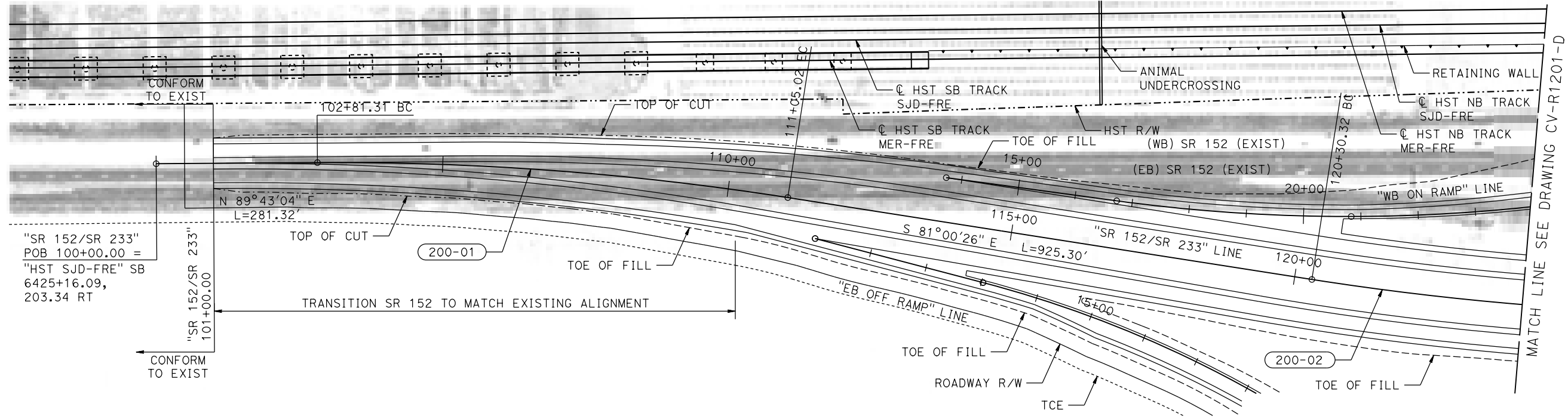
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 12

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

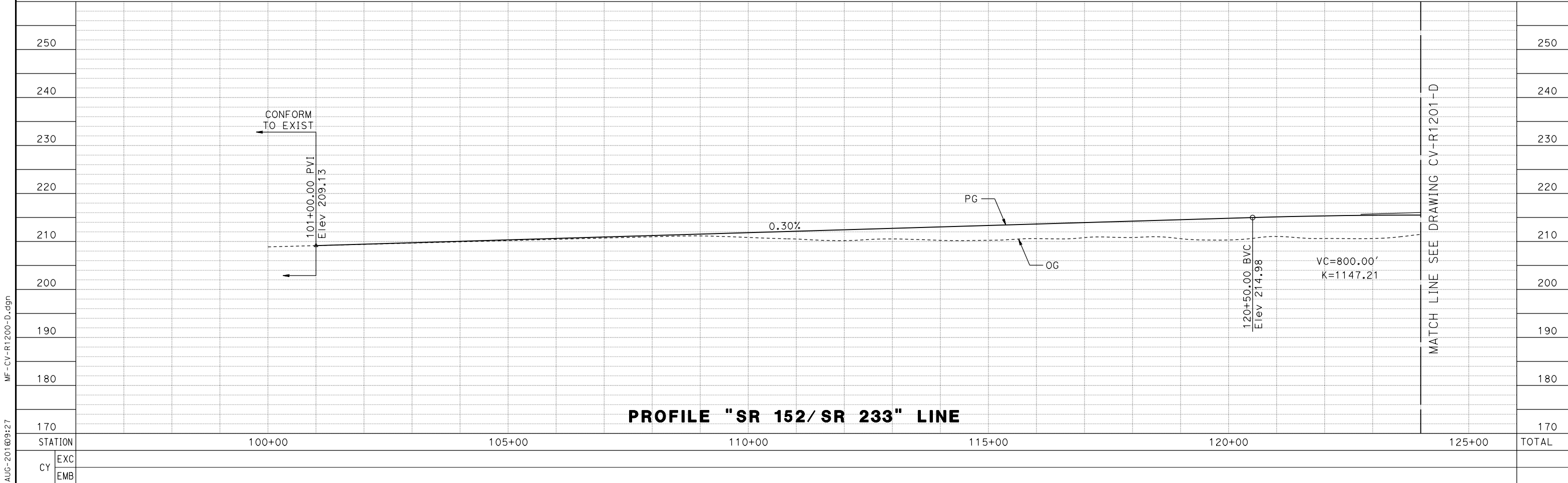
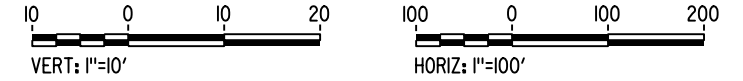
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. SR 152 REALIGNMENT AT SR 233 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/ SR 233" LINE

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

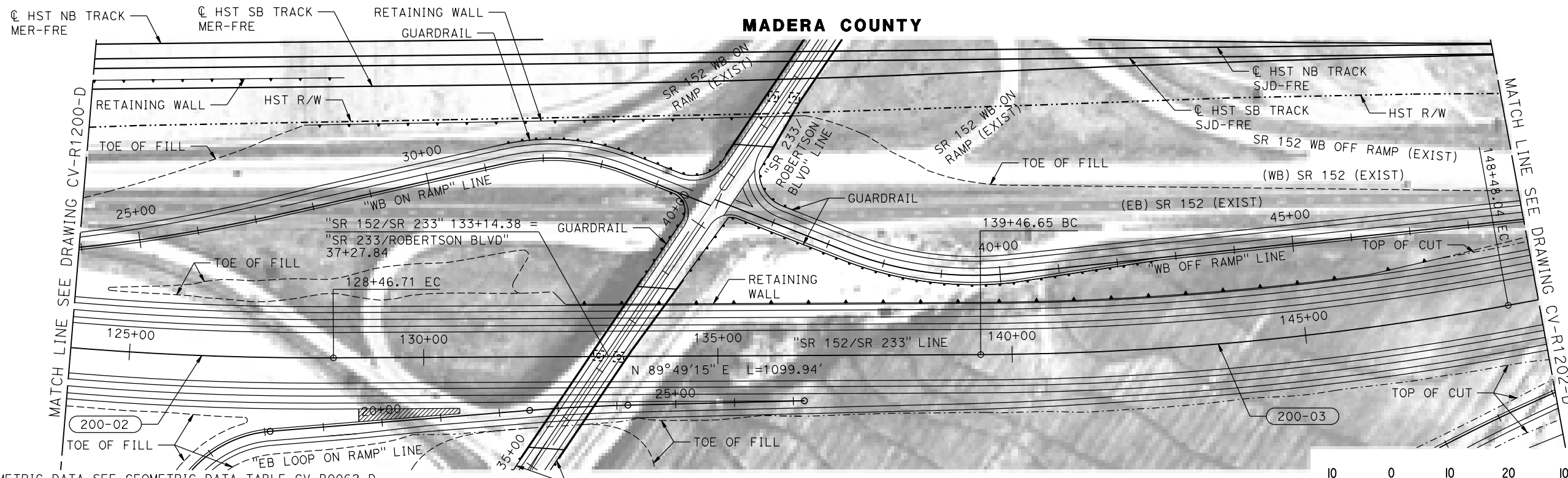
NOT FOR
CONSTRUCTION



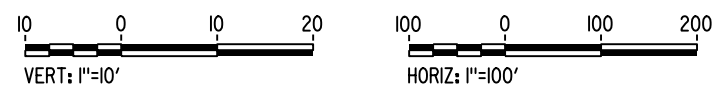
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 233

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1200-D
SCALE
AS SHOWN
SHEET NO.

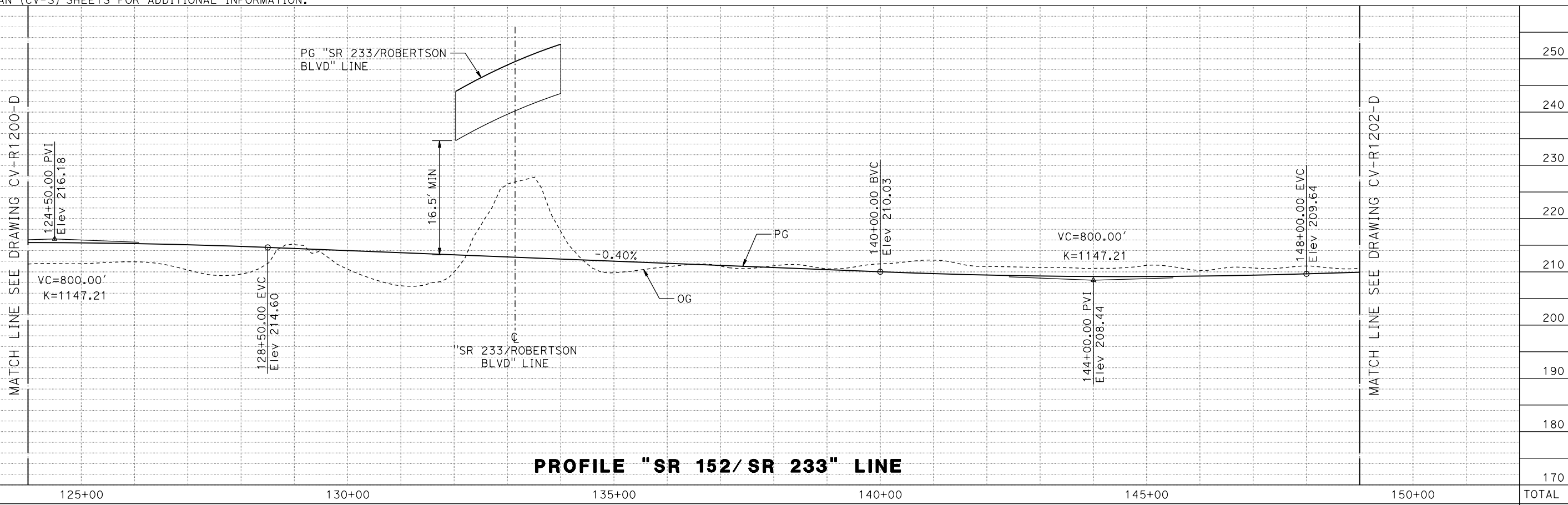
13-AUG-2016 09:27 MF-CV-R1200-D.dgn



- NOTES:**
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
 2. SR 152 REALIGNMENT AT SR 233 DESIGNED WITH 80 MPH DESIGN SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "SR 152/ SR 233" LINE

13-AUG-2016 09:28 MF-CV-R1201-D.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

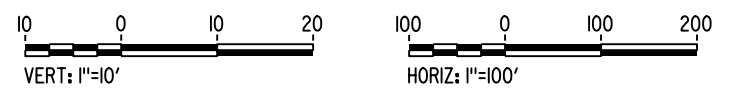
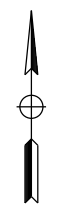
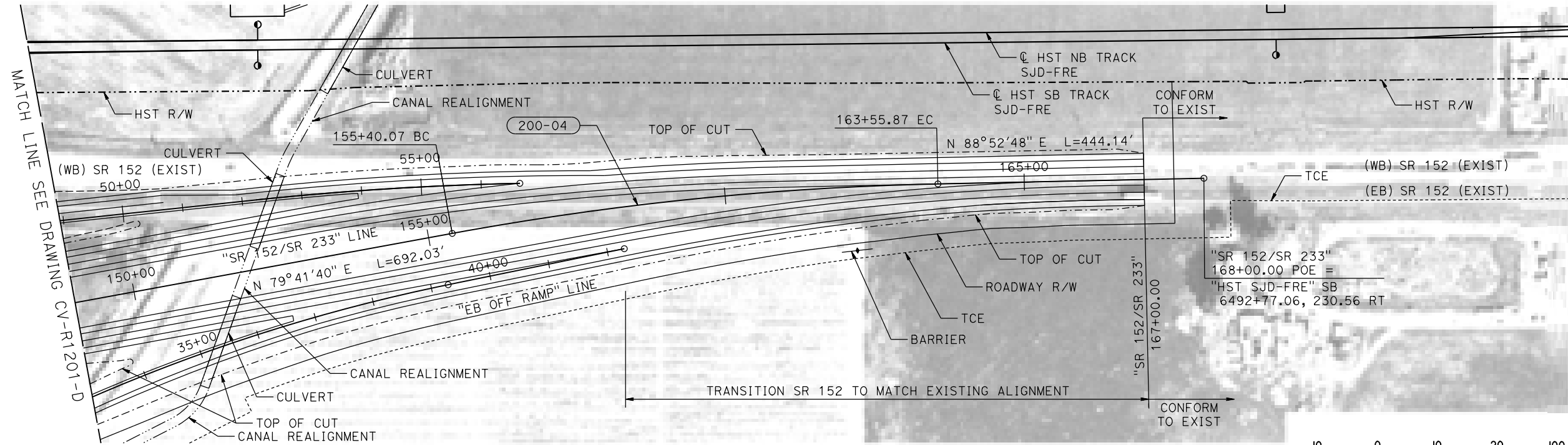
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 233

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1201-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

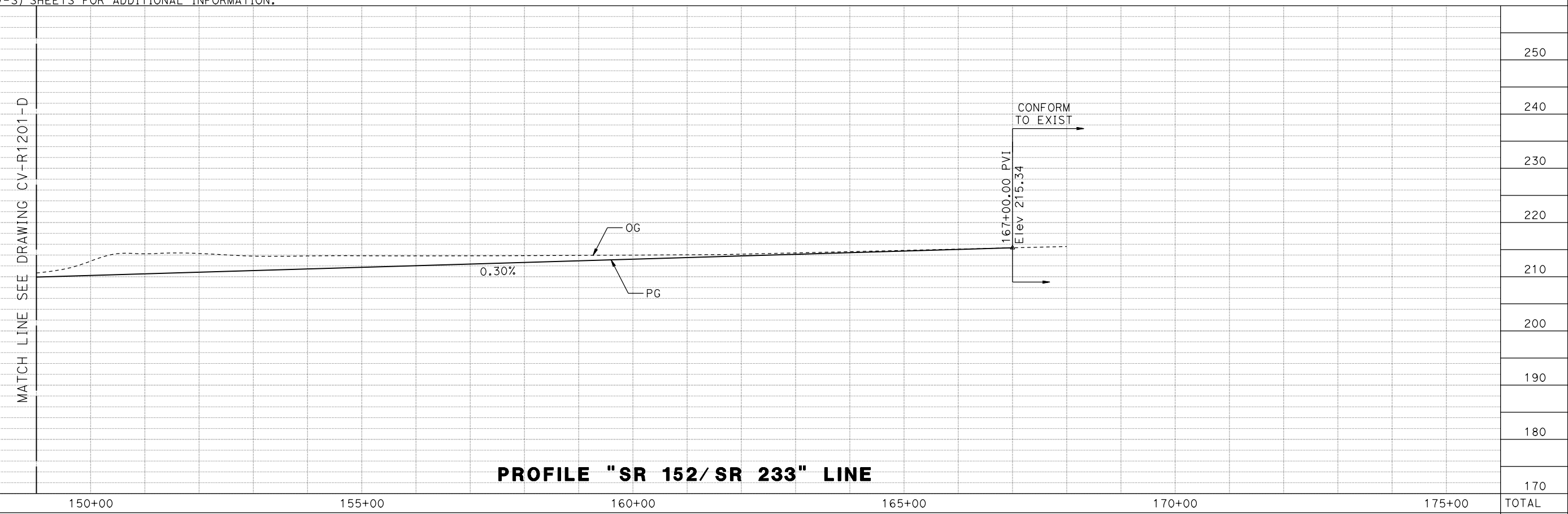


PLAN

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. SR 152 REALIGNMENT AT SR 233 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

MATCH LINE SEE DRAWING CV-R1201-D



PROFILE "SR 152/ SR 233" LINE

13-AUG-2016 09:29 MF-CV-R1202-D.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

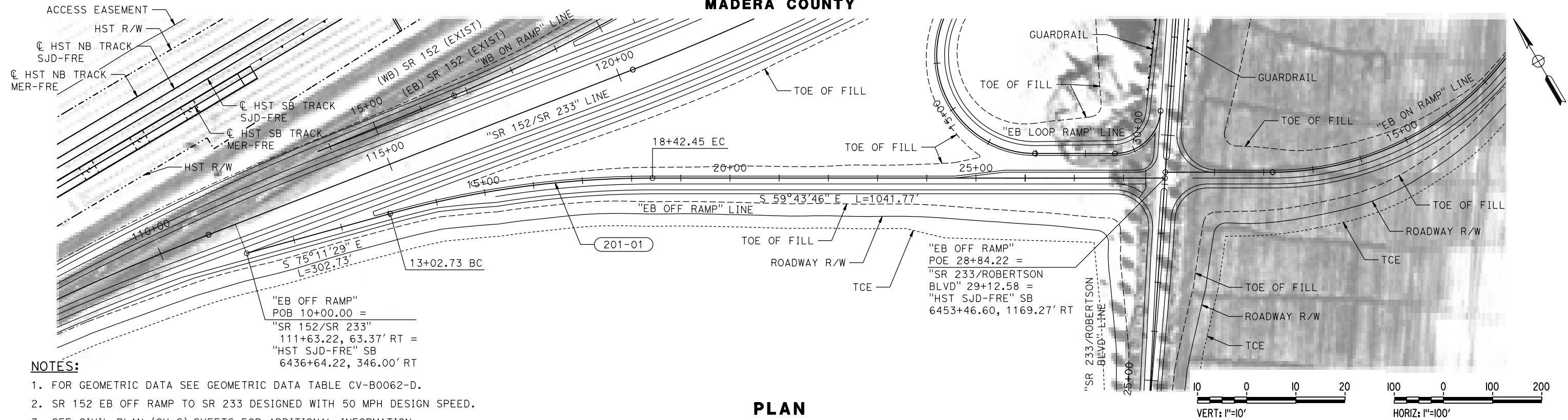
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 SR 152 REALIGNMENT AT SR 233

CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1202-D
 SCALE
AS SHOWN
 SHEET NO.

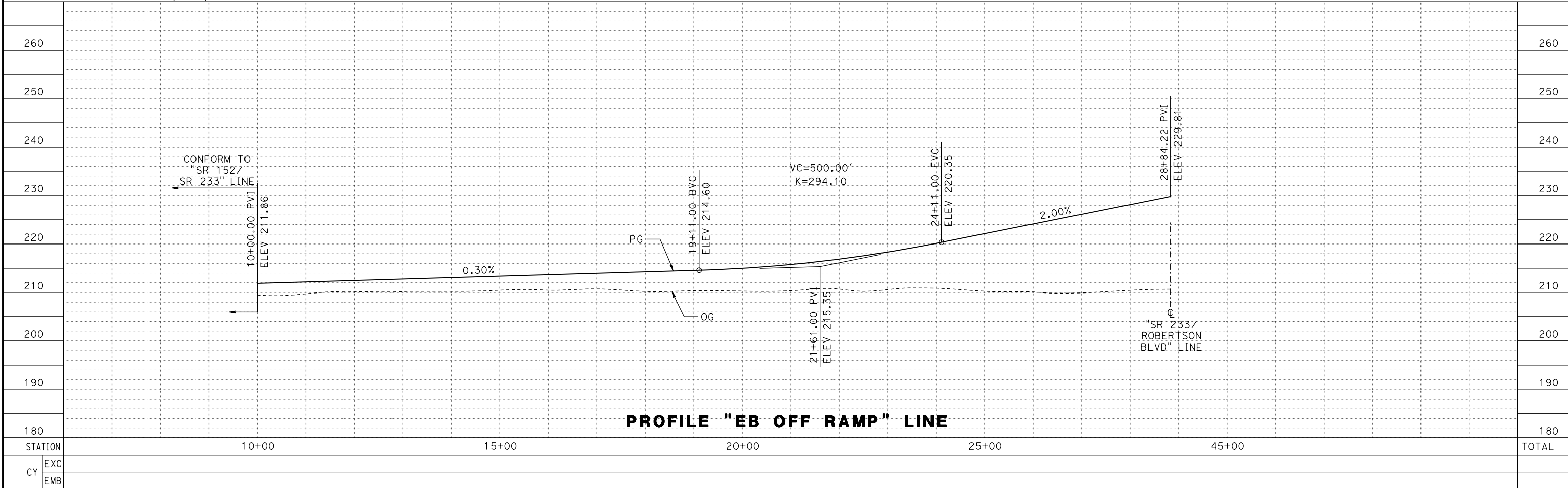
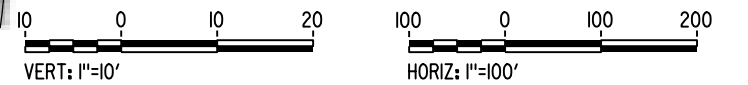
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-D.
2. SR 152 EB OFF RAMP TO SR 233 DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

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

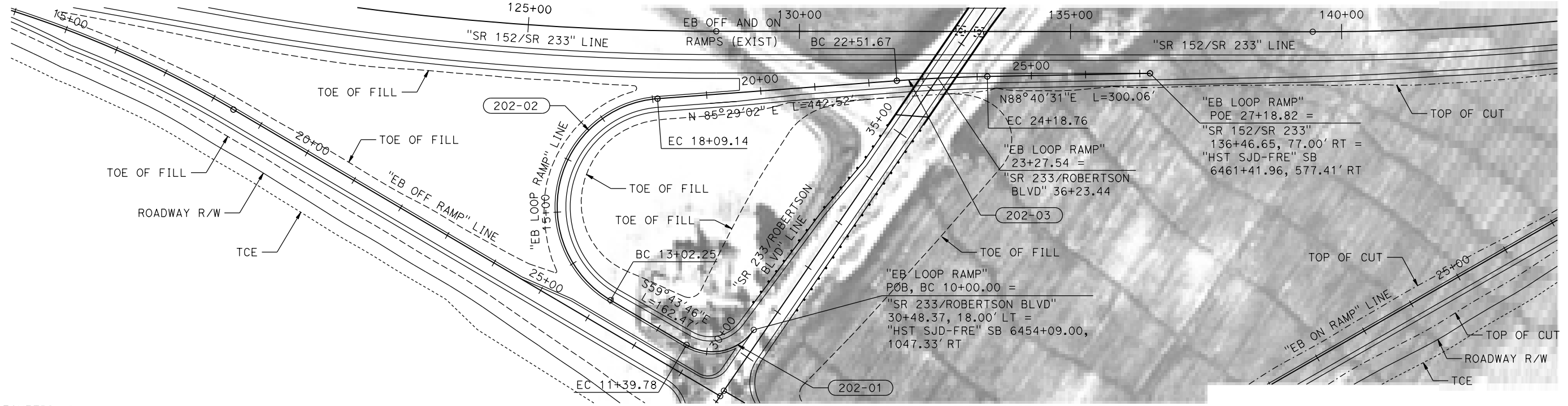


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB OFF RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1203-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 11:54 MF-CV-R1203-D.dgn

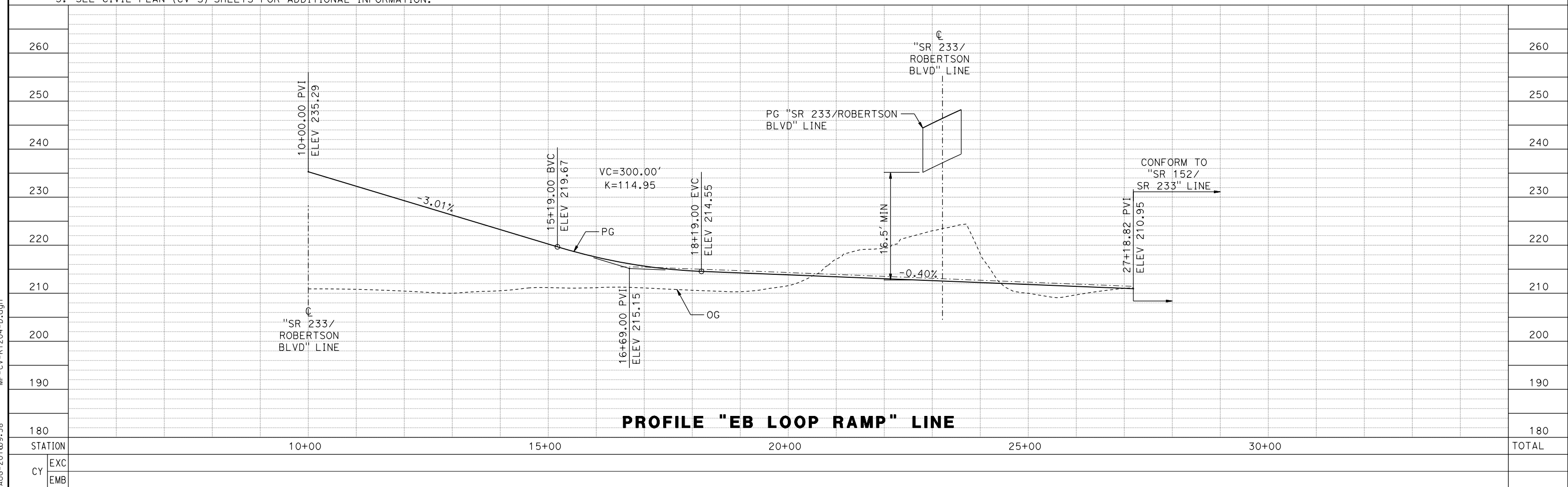
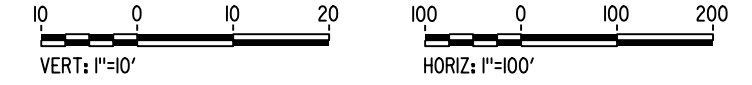
MADERA COUNTY



NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
- SR 152/SR 233 EB LOOP RAMP DESIGNED WITH 25 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB LOOP RAMP" LINE

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

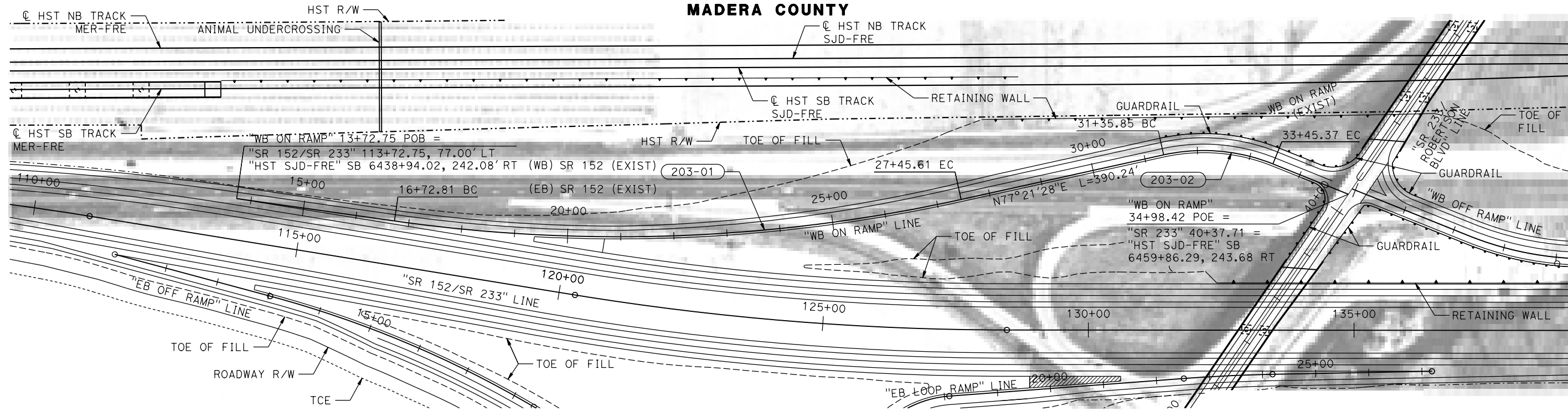


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB LOOP RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1204-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 09:58 MF-CV-R1204-D.dgn

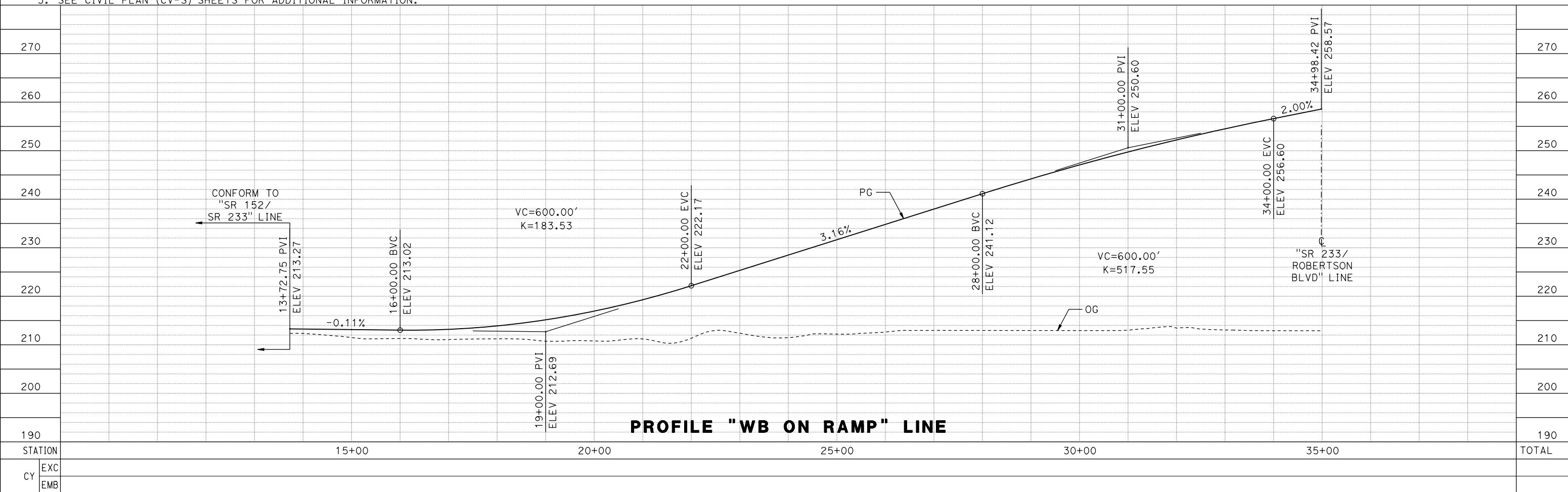
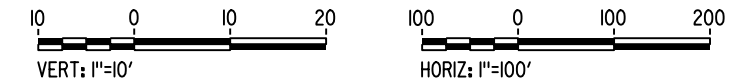
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC TABLE CV-B0063-D.
2. SR 152/SR 233 WB ON RAMP DESIGNED WITH 30 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "WB ON RAMP" LINE

13-AUG-2016 09:59 MF-CV-R1205-D.dgn

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

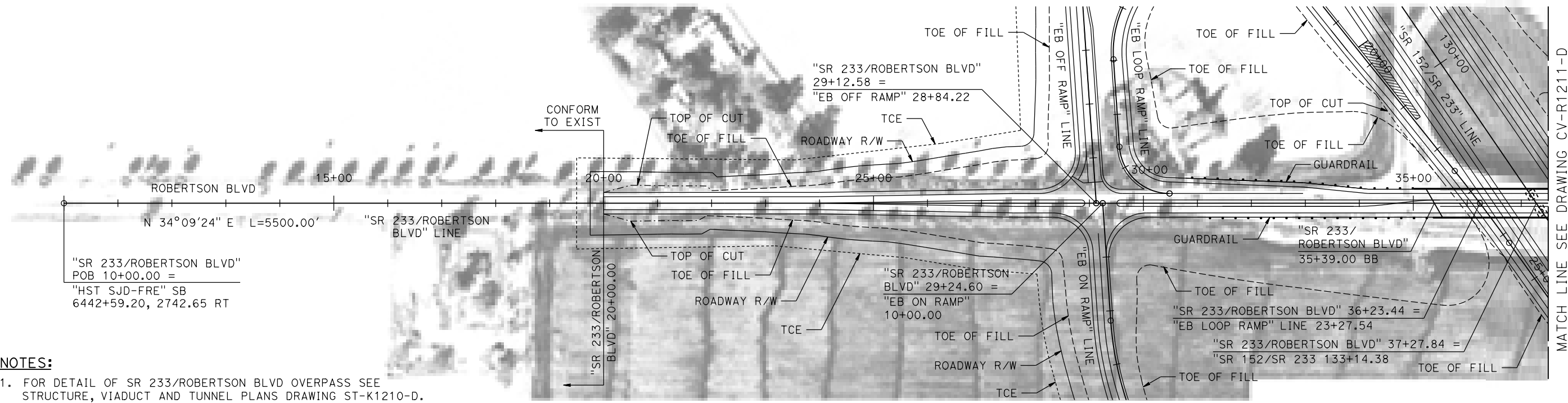
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 WB ON RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1205-D
SCALE
AS SHOWN
SHEET NO.

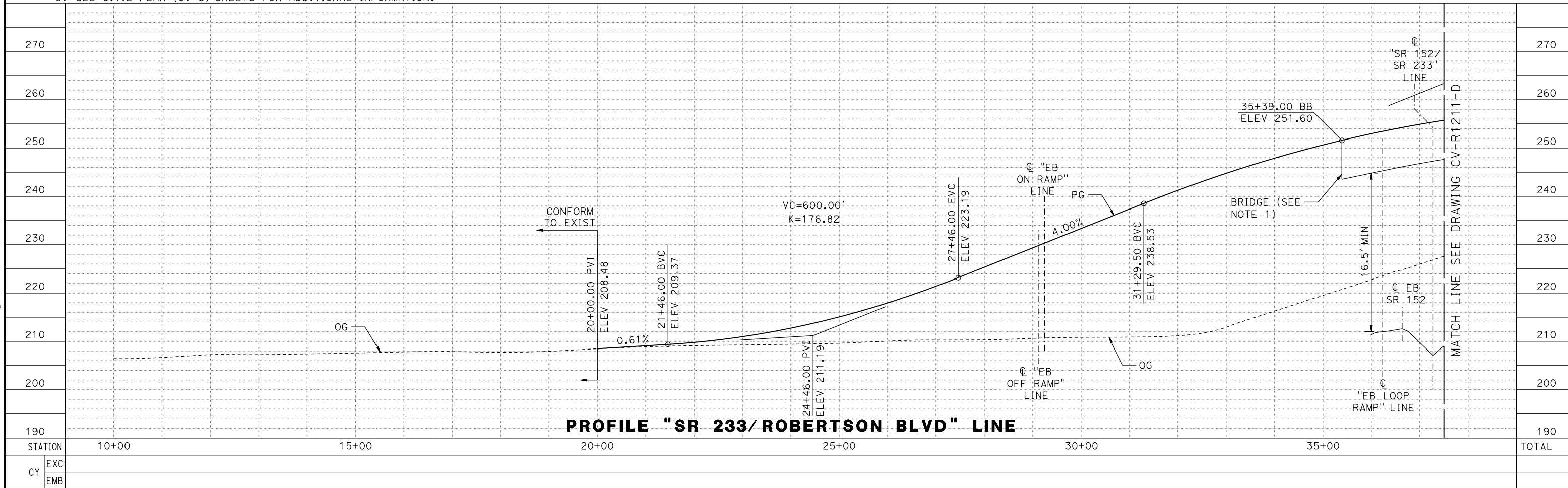
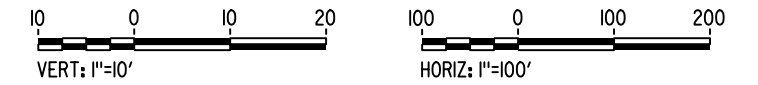
MADERA COUNTY



NOTES:

- FOR DETAIL OF SR 233/ROBERTSON BLVD OVERPASS SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1210-D.
- SR 233/ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 233/ROBERTSON BLVD" LINE

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

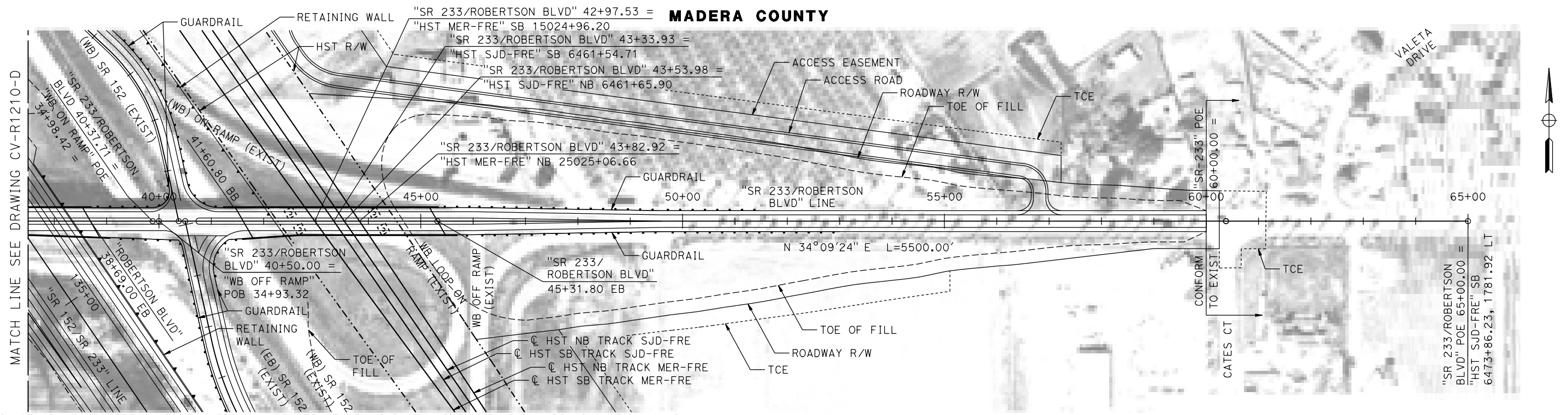
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/ROBERTSON BLVD GRADE SEPARATION

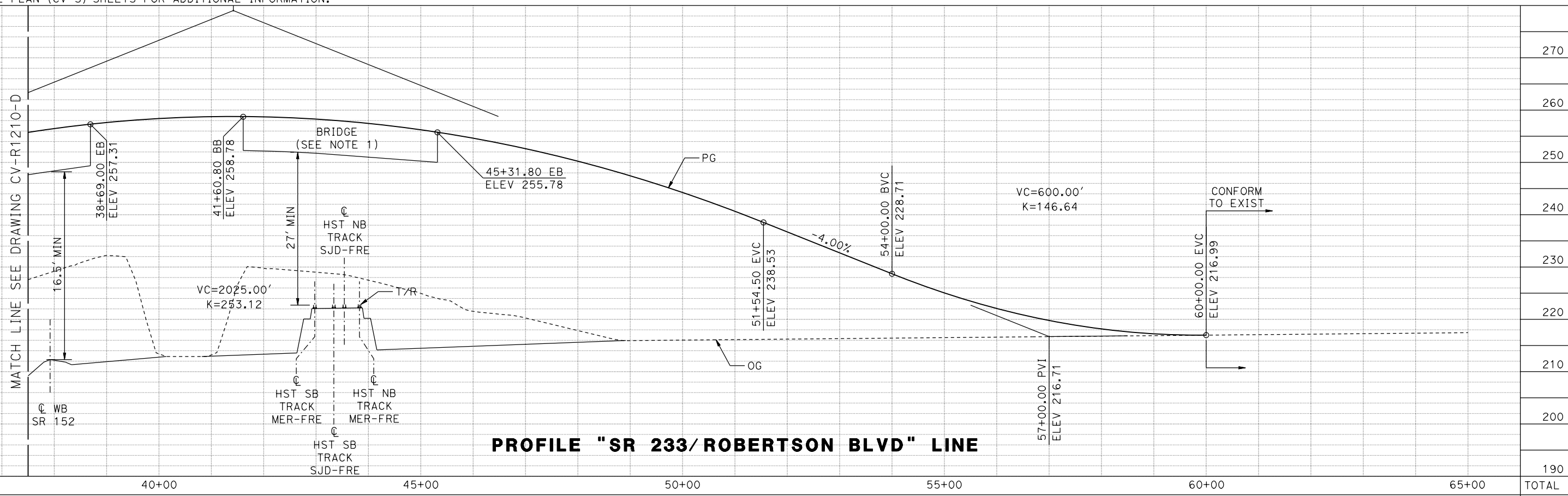
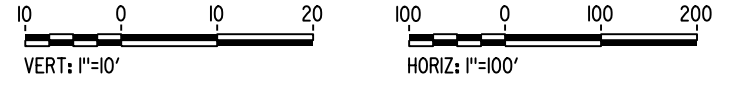
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1210-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:49 MF-CV-R1210-D.dgn



- NOTES:**
1. FOR DETAIL OF SR 233/ROBERTSON BLVD OVERPASS SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1210-D.
 2. SR 233/ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 233/ROBERTSON BLVD" LINE

13-AUG-2016 0:00 MF-CV-R1211-D.dgn

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

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

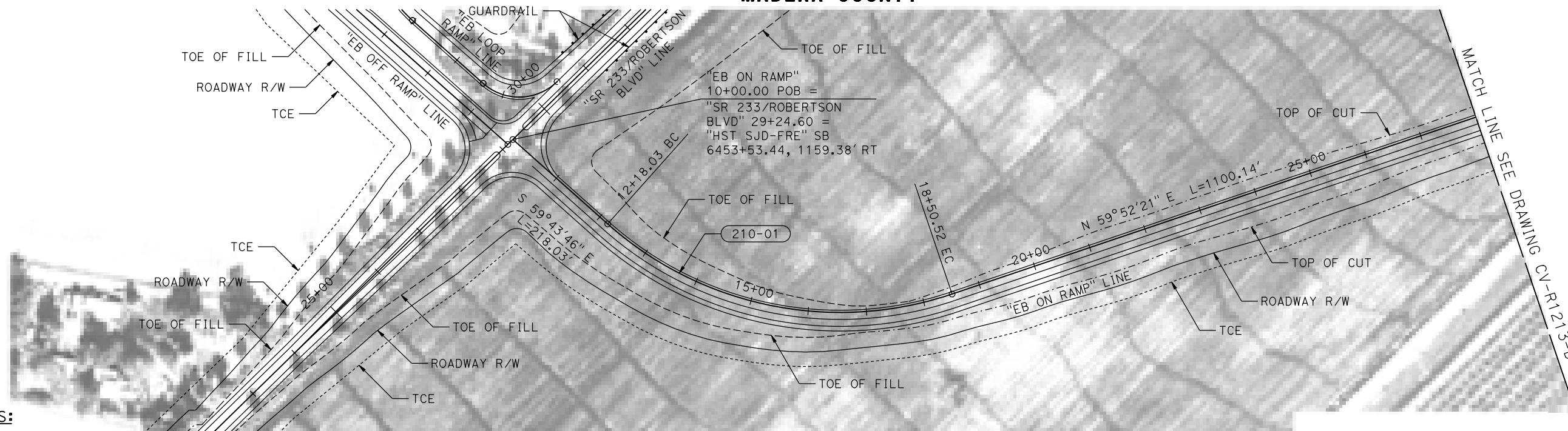
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/ROBERTSON BLVD GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1211-D
SCALE
AS SHOWN
SHEET NO.

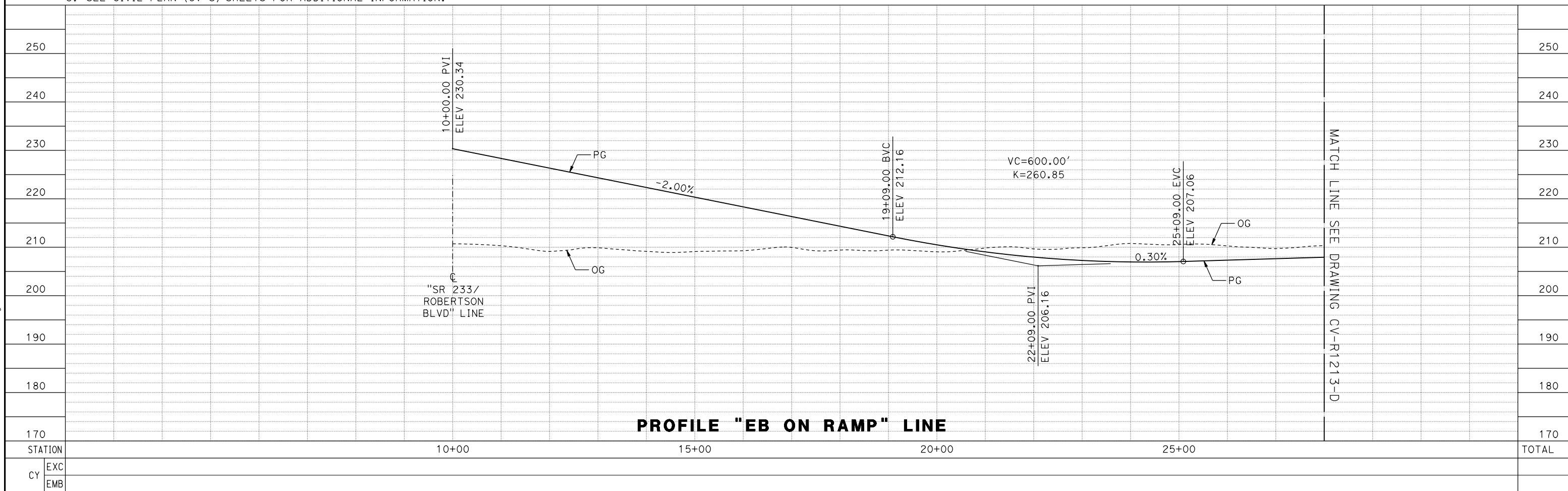
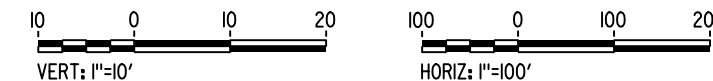
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. SR 233/SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB ON RAMP" LINE

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

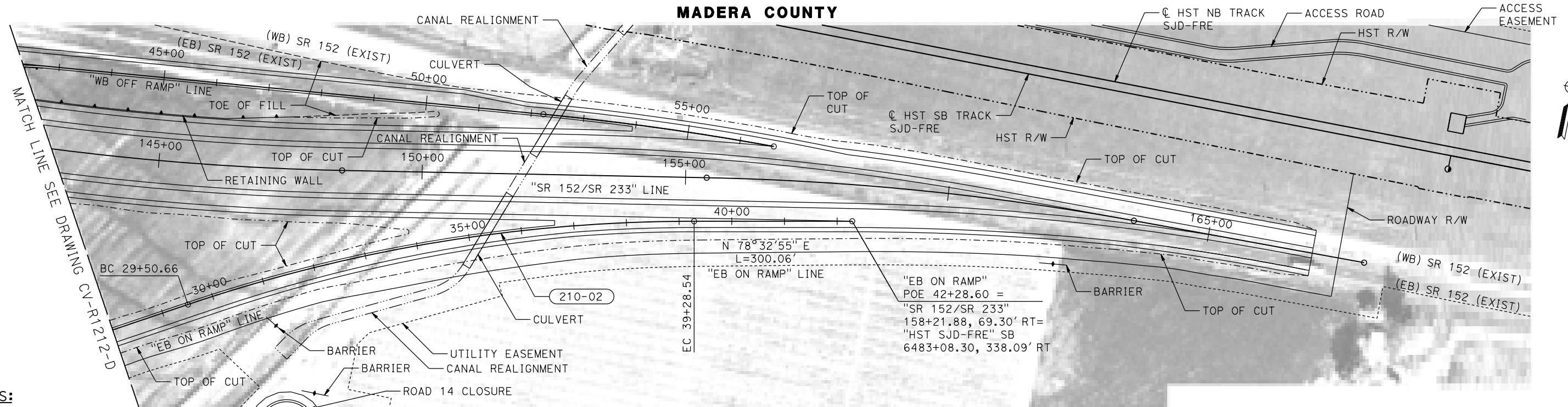


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB ON RAMP

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

13-AUG-2016 10:00 MF-CV-R1212-D.dgn

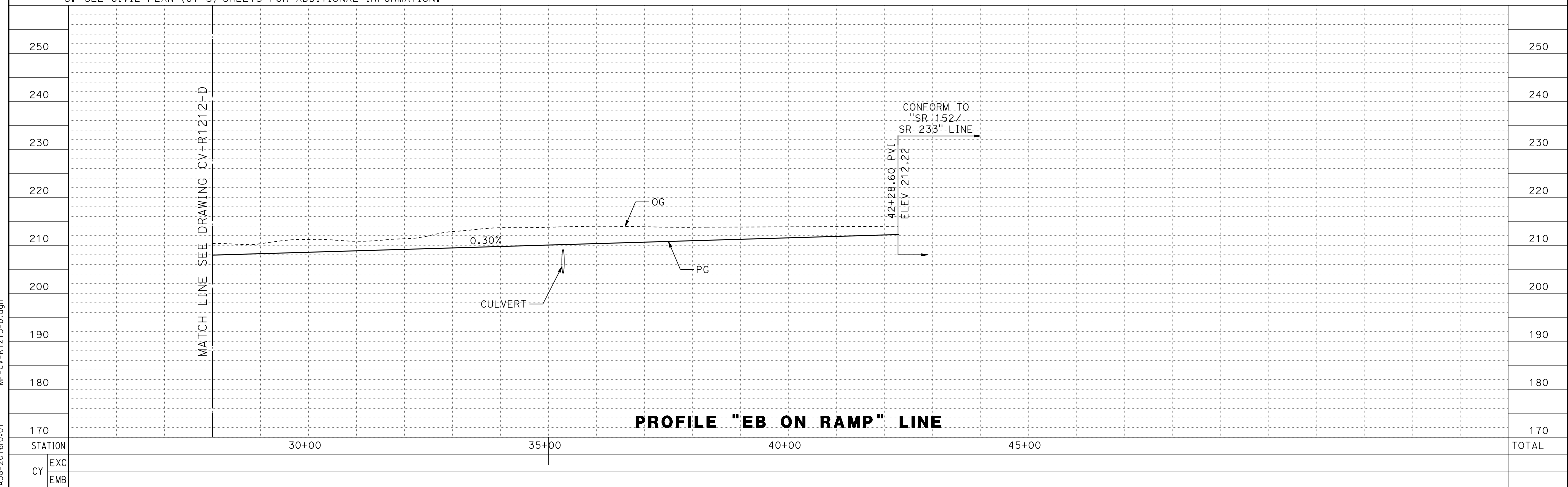
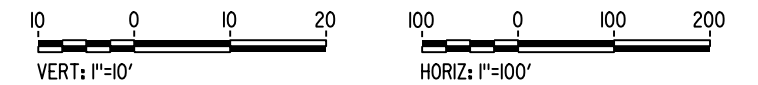
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. SR 233/SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB ON RAMP" LINE

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

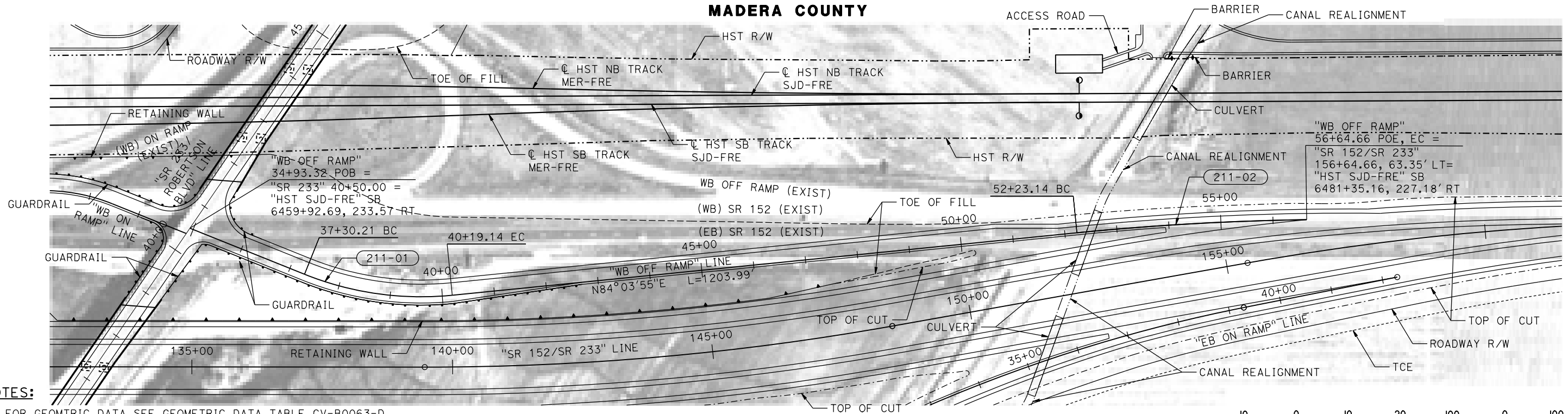


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB ON RAMP

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

13-AUG-2016 0:01 MF-CV-R1213-D.dgn

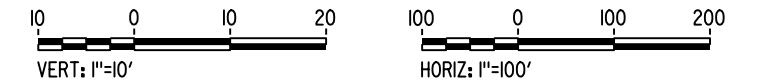
MADERA COUNTY



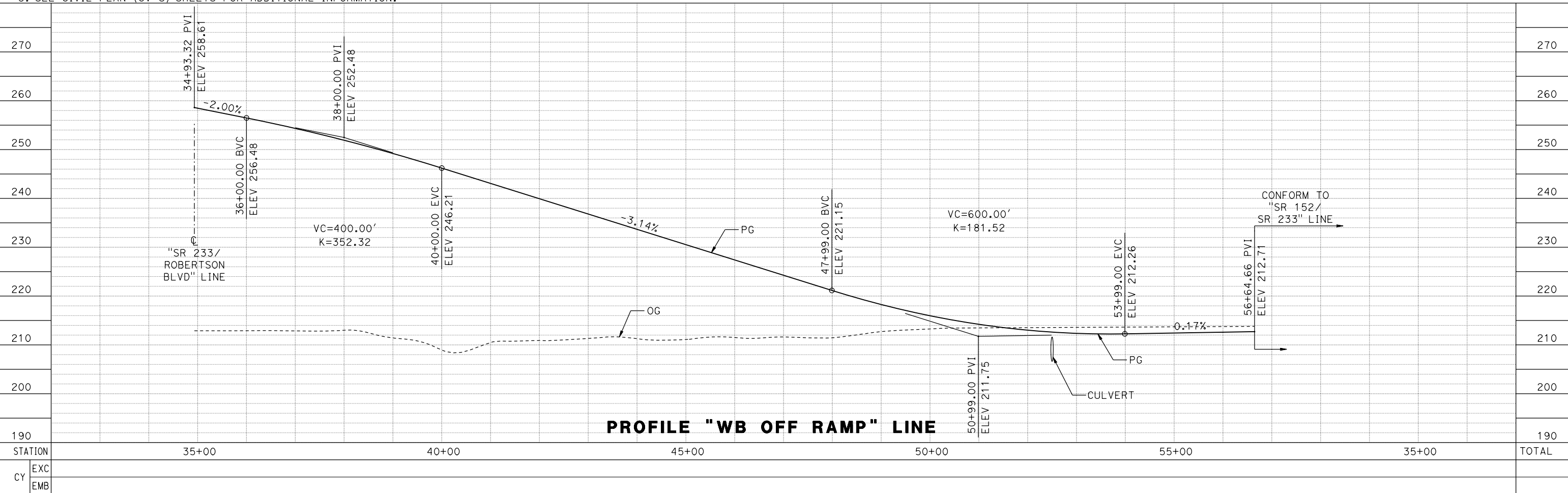
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. SR 152/SR 233 WB OFF RAMP DESIGNED WITH 40 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "WB OFF RAMP" LINE



13-AUG-2016 0:01 MF-CV-R1214-D.dgn

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

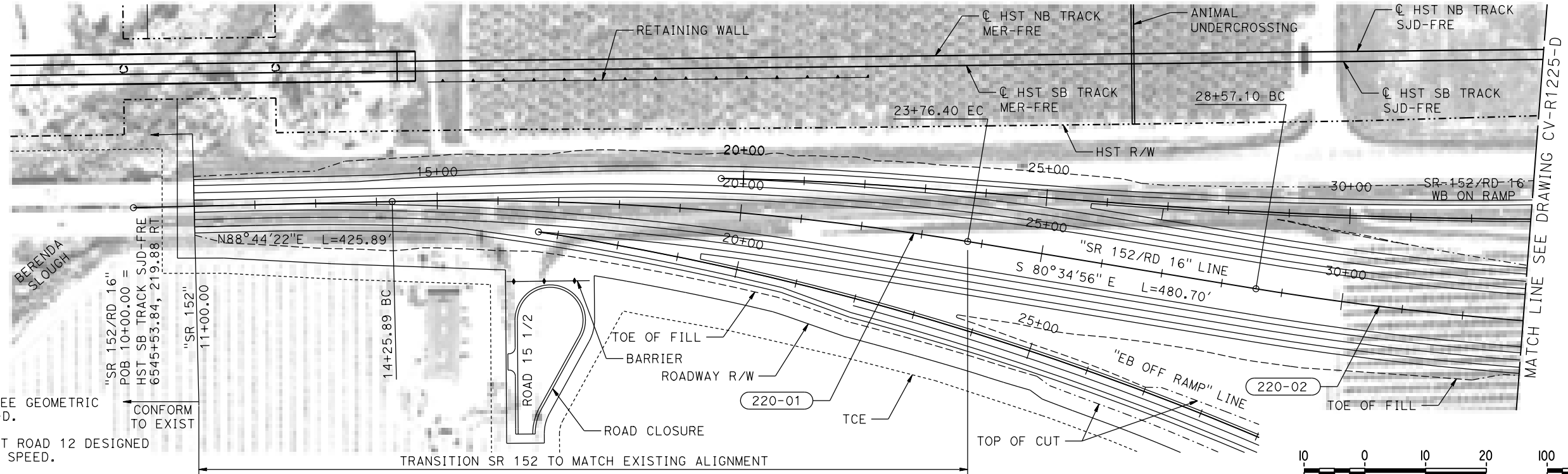
NOT FOR
CONSTRUCTION



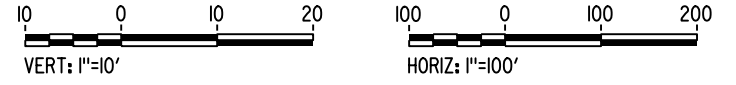
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 SR 233/SR 152 WB OFF RAMP

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

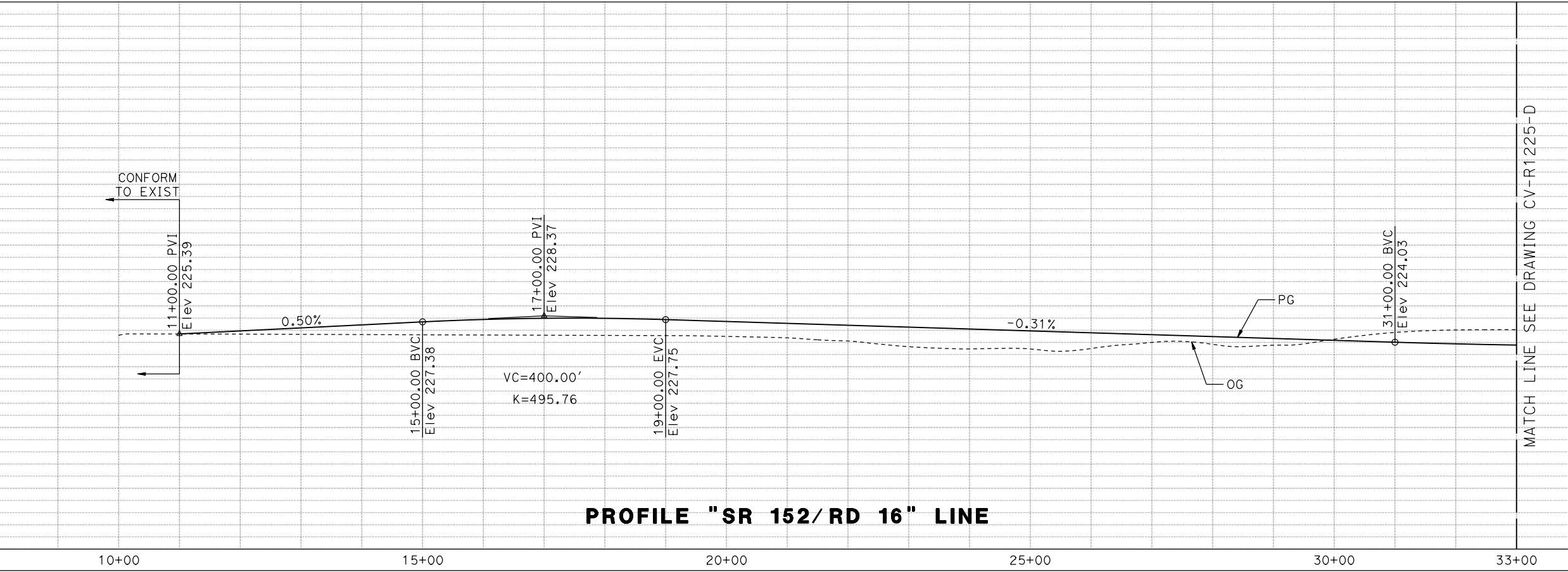
MADERA COUNTY



- NOTES:**
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
 2. SR 152 REALIGNMENT AT ROAD 12 DESIGNED WITH 80 MPH DESIGNED SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "SR 152/ RD 16" LINE

16-AUG-2016 10:48 MF-CV-R1224-D.dgn

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

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

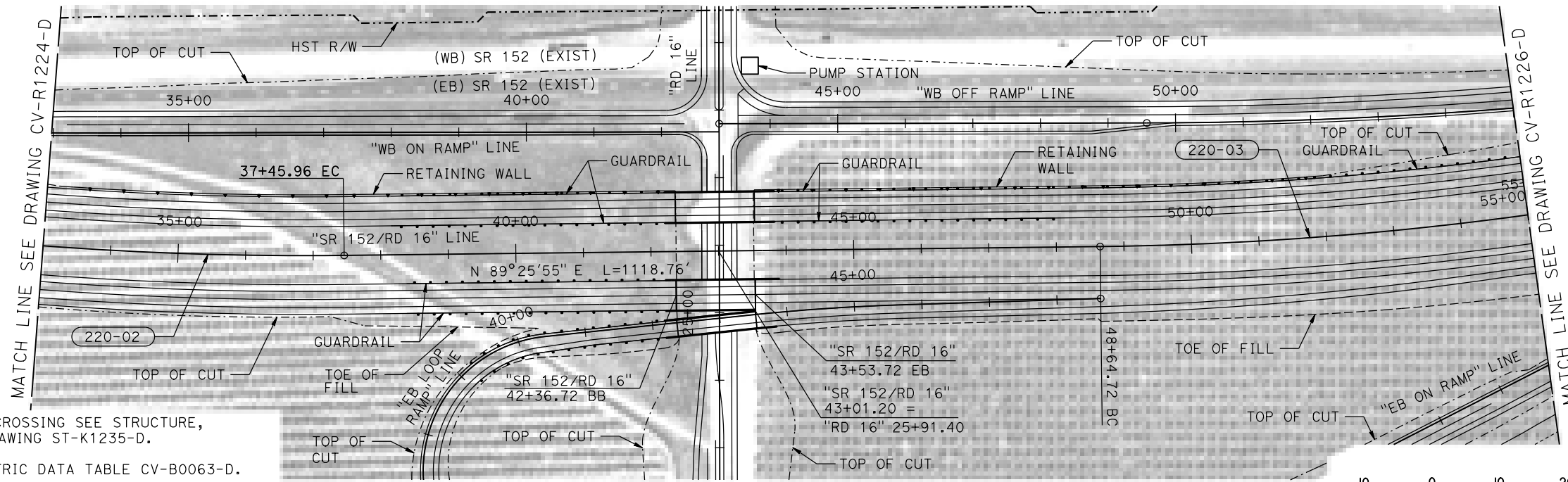
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 SR 152 REALIGNMENT AT ROAD 16

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

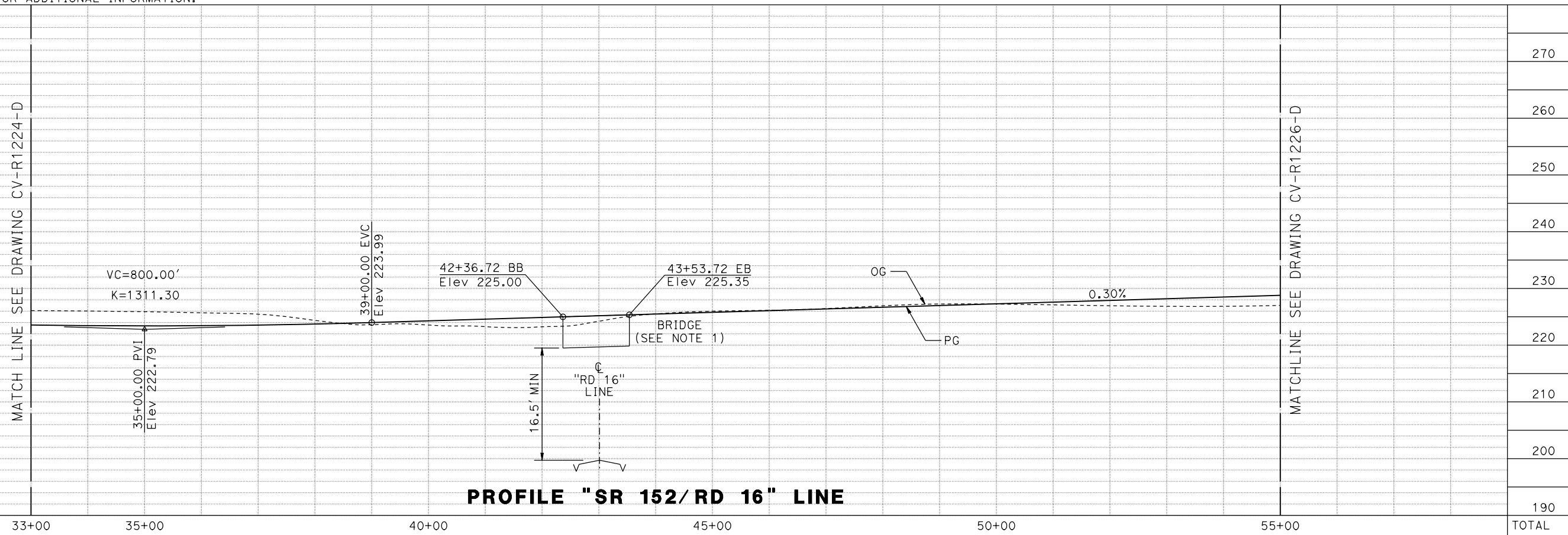
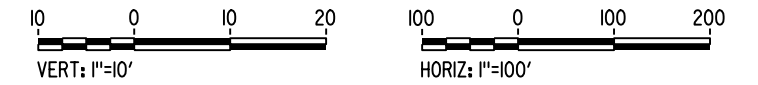
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 16 UNDERCROSSING SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1235-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
3. SR 152 REALIGNMENT AT ROAD 16 DESIGNED WITH 80 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/ RD 16" LINE

13-AUG-2016 10:02 MF-CV-R1225-D.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

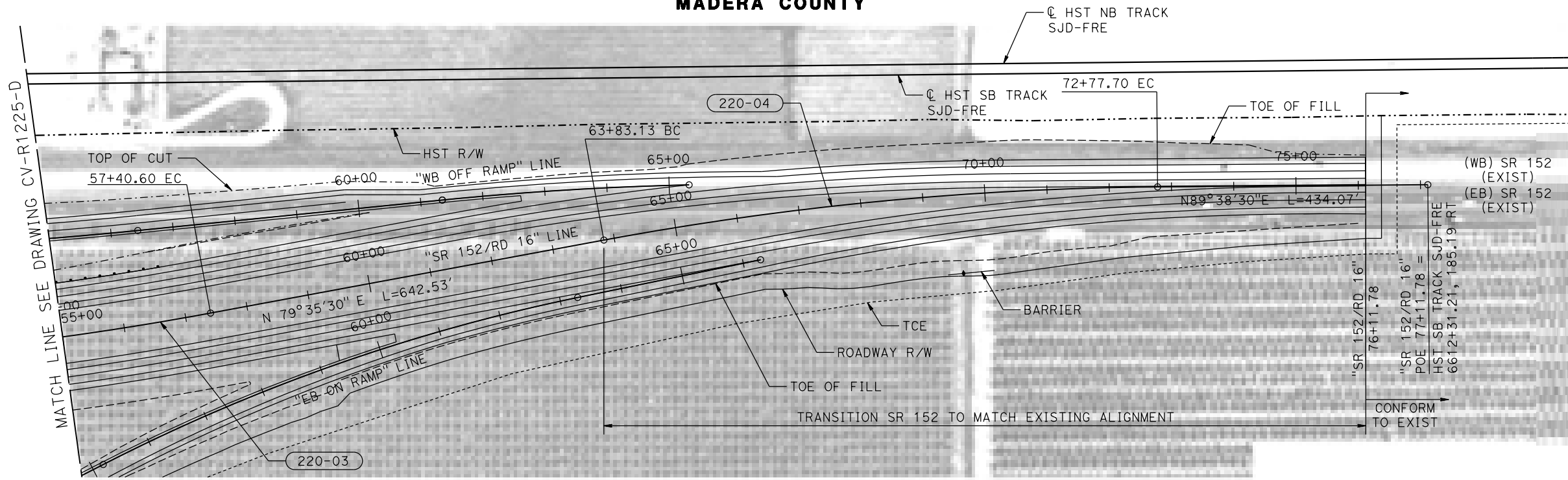
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 16

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1225-D
SCALE
AS SHOWN
SHEET NO.

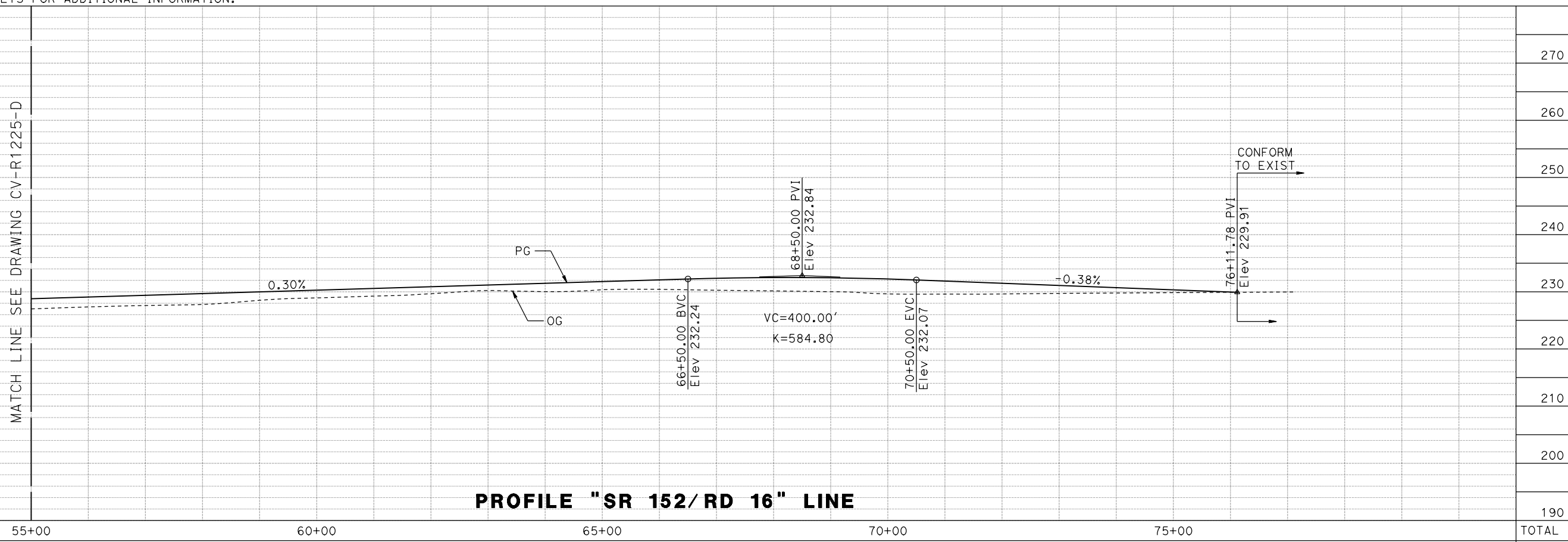
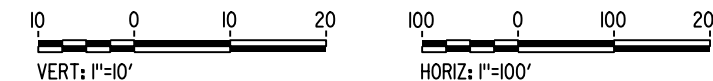
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. SR 152 REALIGNMENT AT ROAD 16 DESIGNED WITH 80 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "SR 152/RD 16" LINE

13-AUG-2016 10:03 MF-CV-R1226-D.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

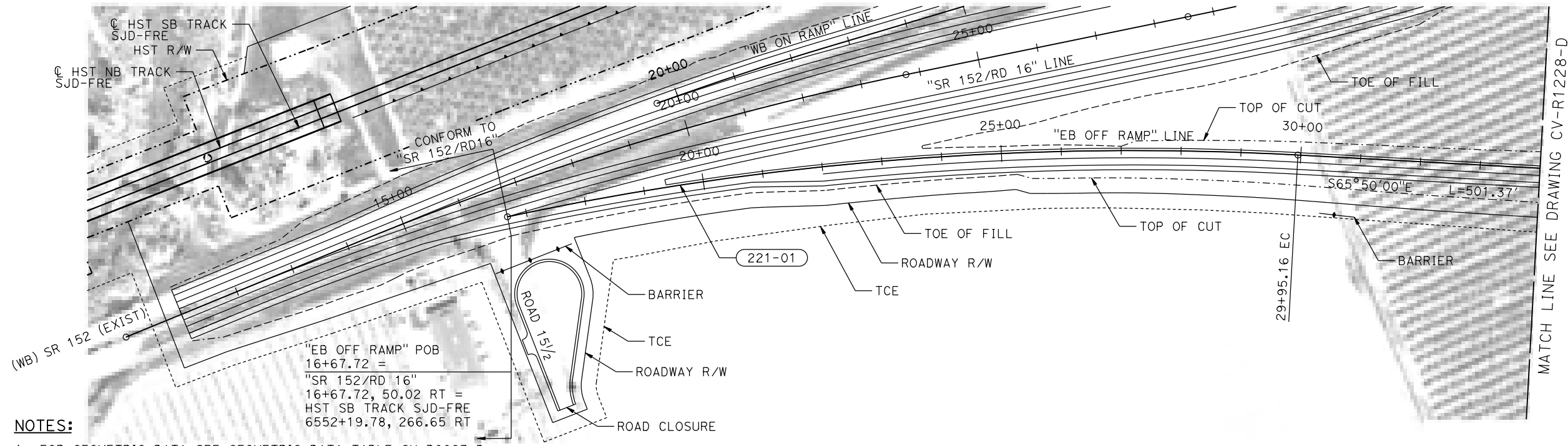
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT ROAD 16

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1226-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

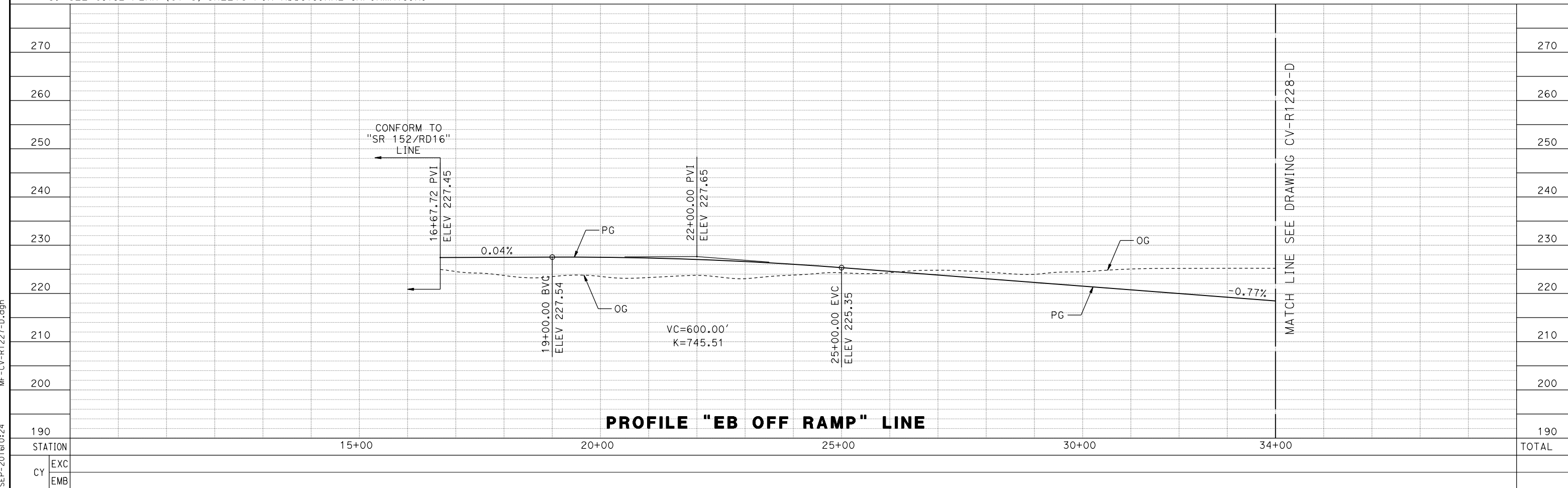
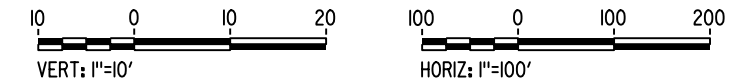


"EB OFF RAMP" POB
 16+67.72 =
 "SR 152/RD 16"
 16+67.72, 50.02 RT =
 HST SB TRACK SJD-FRE
 6552+19.78, 266.65 RT

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. ROAD 16/SR 152 EB OFF RAMP REALIGNMENT DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

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

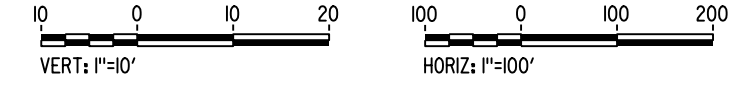
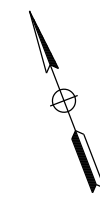
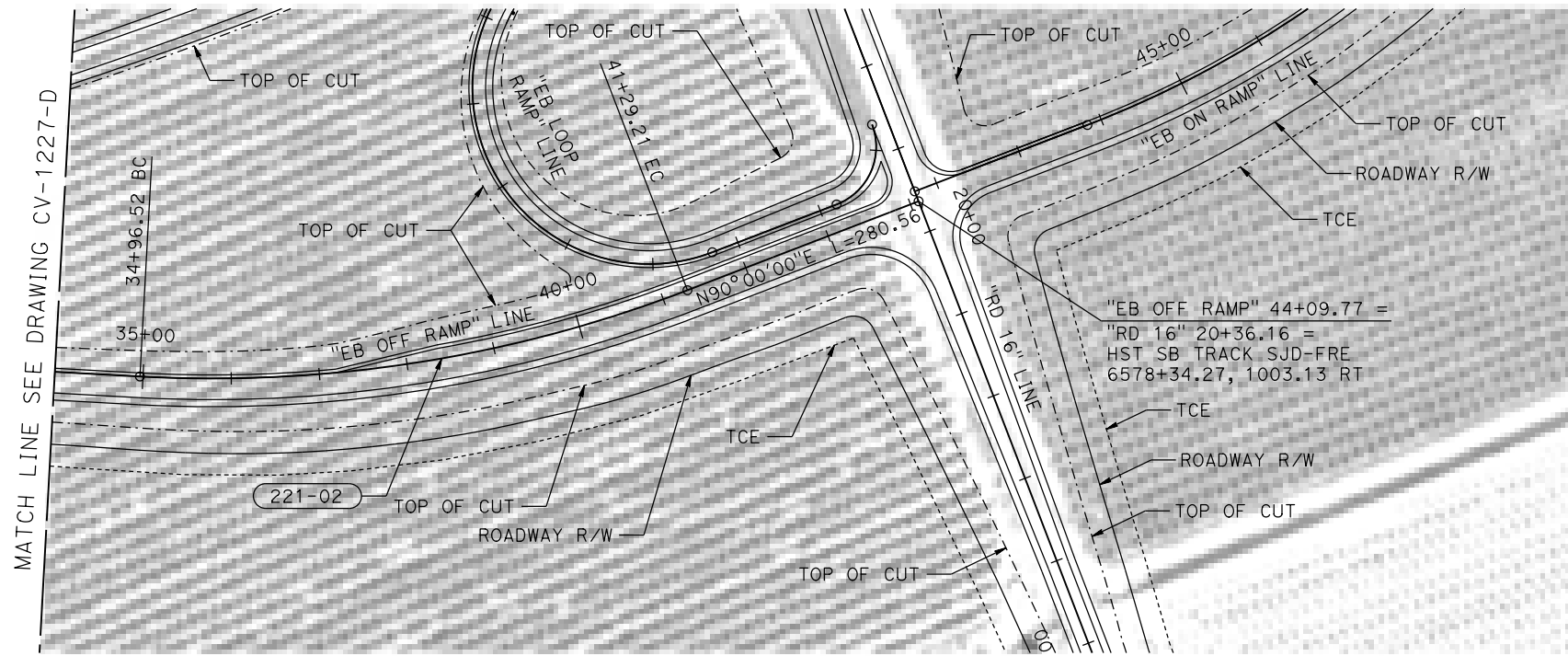


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 16/SR 152 EB OFF RAMP

CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1227-D
 SCALE
AS SHOWN
 SHEET NO.

07-SEP-2016 01:24 MF-CV-R1227-D.dgn

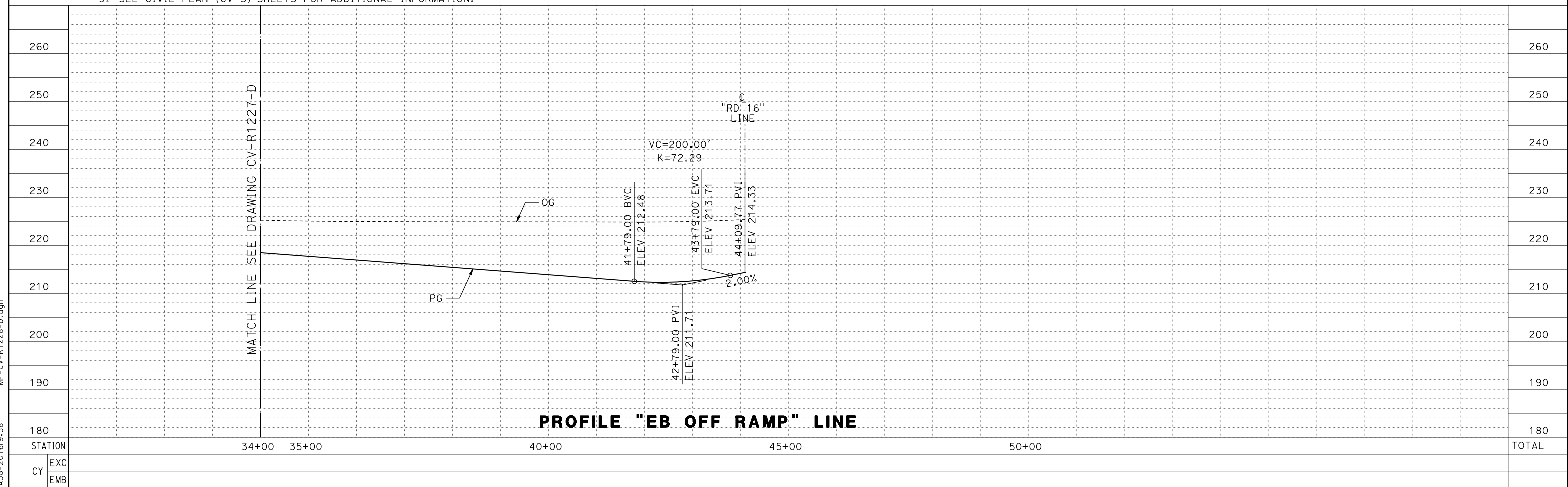
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-D.
2. SR 152 EB OFF RAMP DESIGNED FOR 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB OFF RAMP" LINE

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

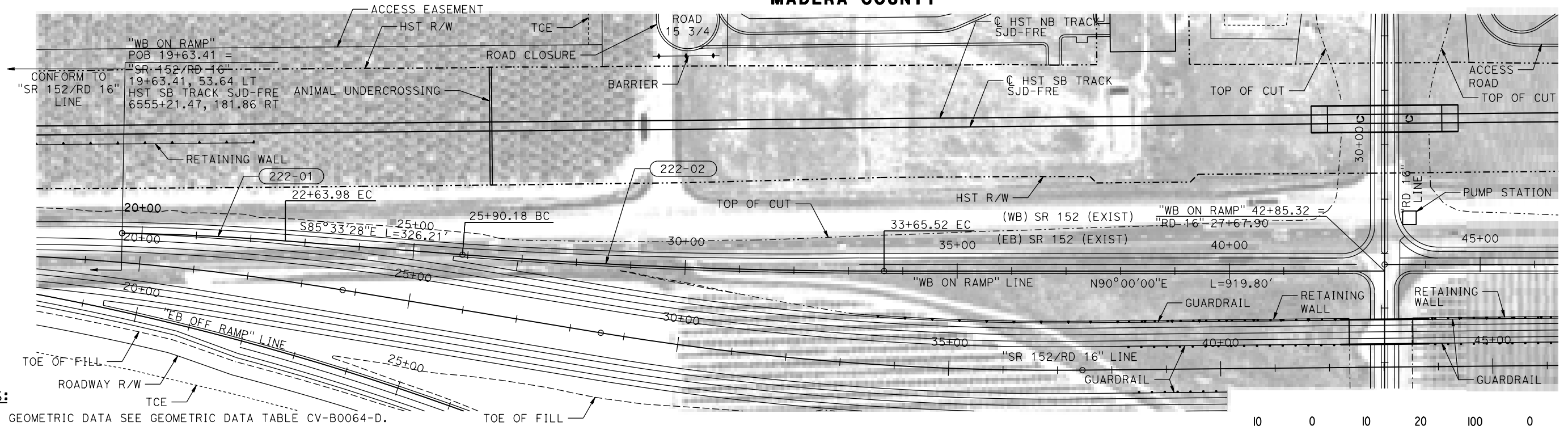


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB OFF RAMP

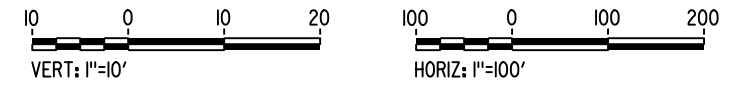
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1228-D
SCALE
AS SHOWN
SHEET NO.

31-AUG-2016 9:38 MF-CV-R1228-D.dgn

MADERA COUNTY

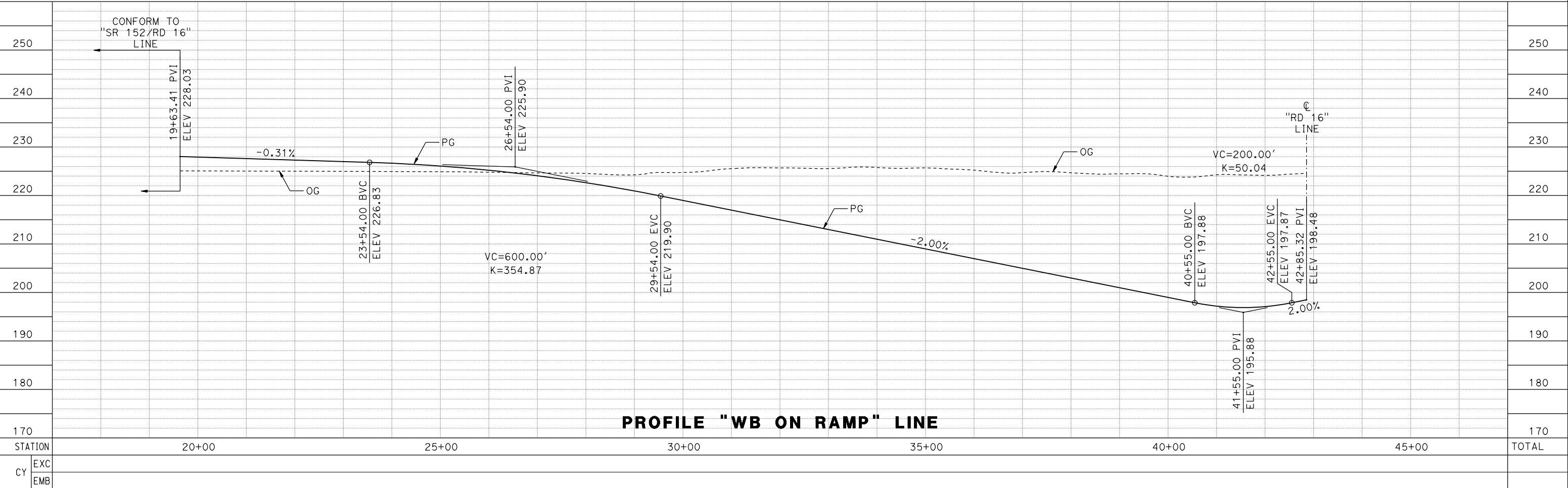


PLAN



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
2. SR 152 WB ON RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PROFILE "WB ON RAMP" LINE

16-AUG-2016 10:48 MF-CV-R1229-D.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

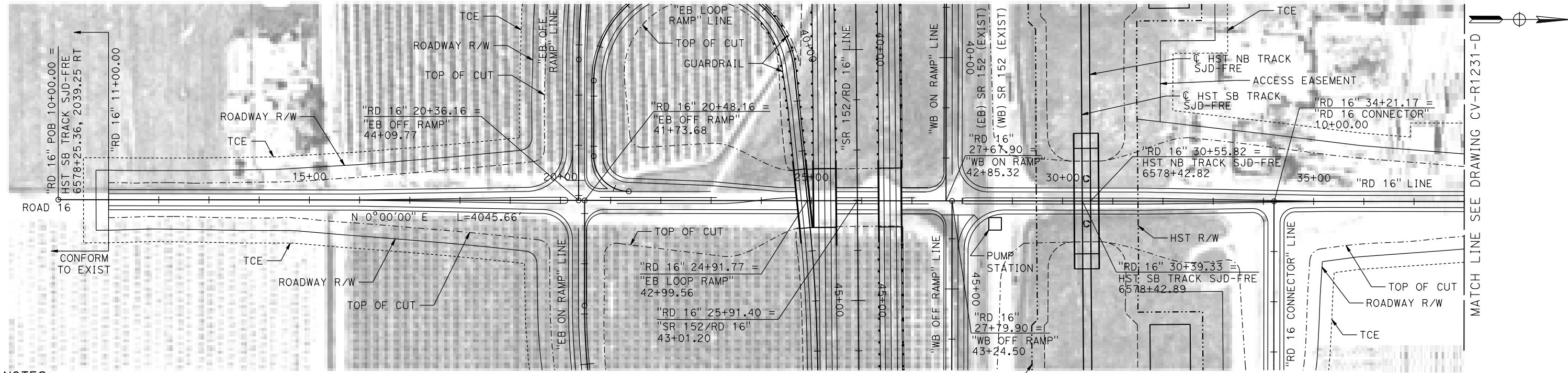
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 WB ON RAMP

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

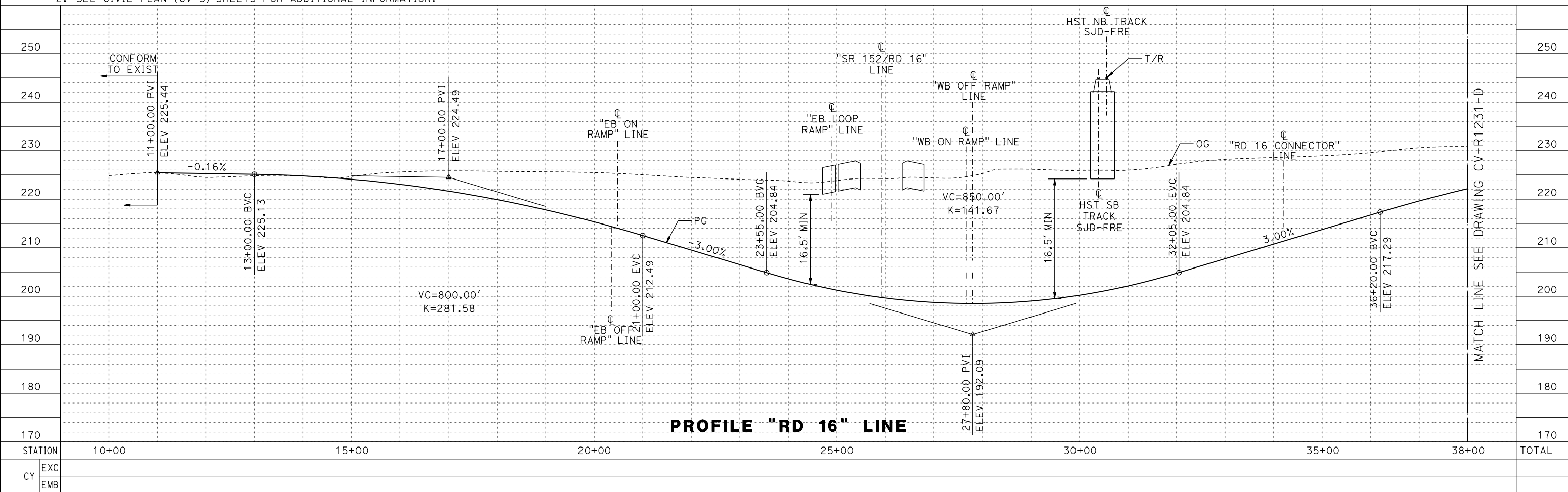
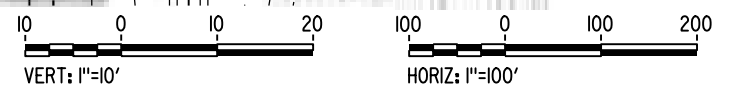
MADERA COUNTY



NOTES:

1. ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 16" LINE

MF-CV-R1230-D.dgn
07-SEP-2016 0:21
p0021811

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

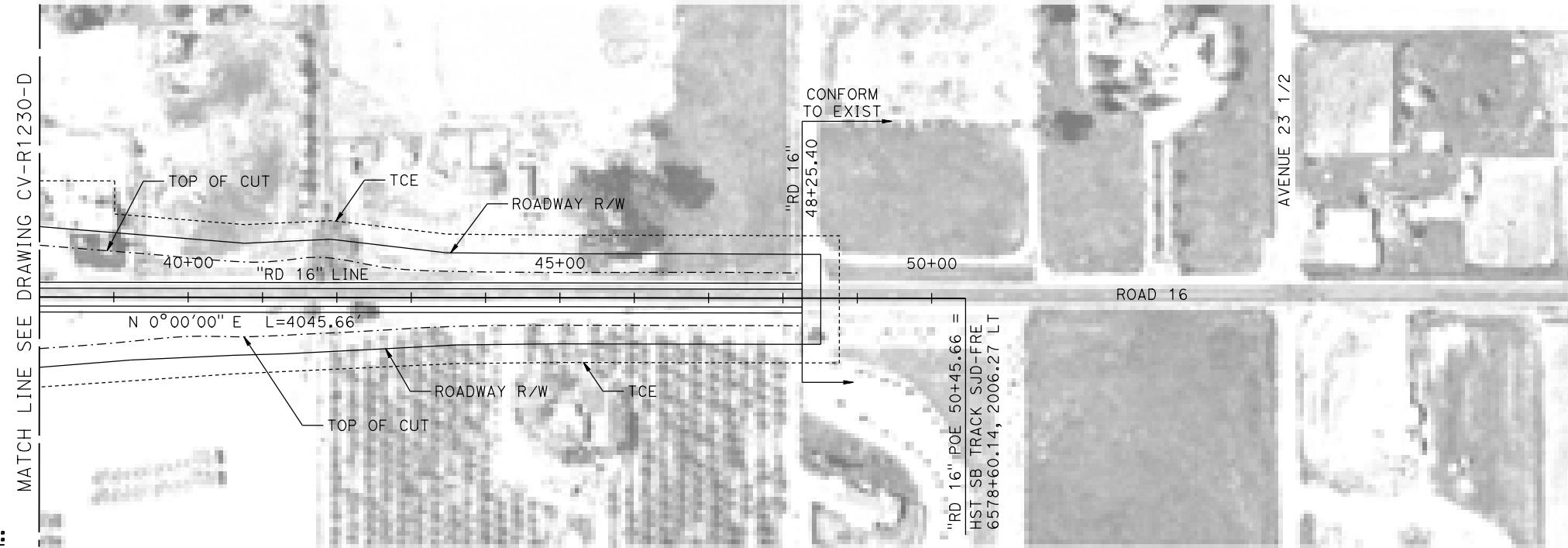
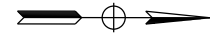
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1230-D
SCALE
AS SHOWN
SHEET NO.

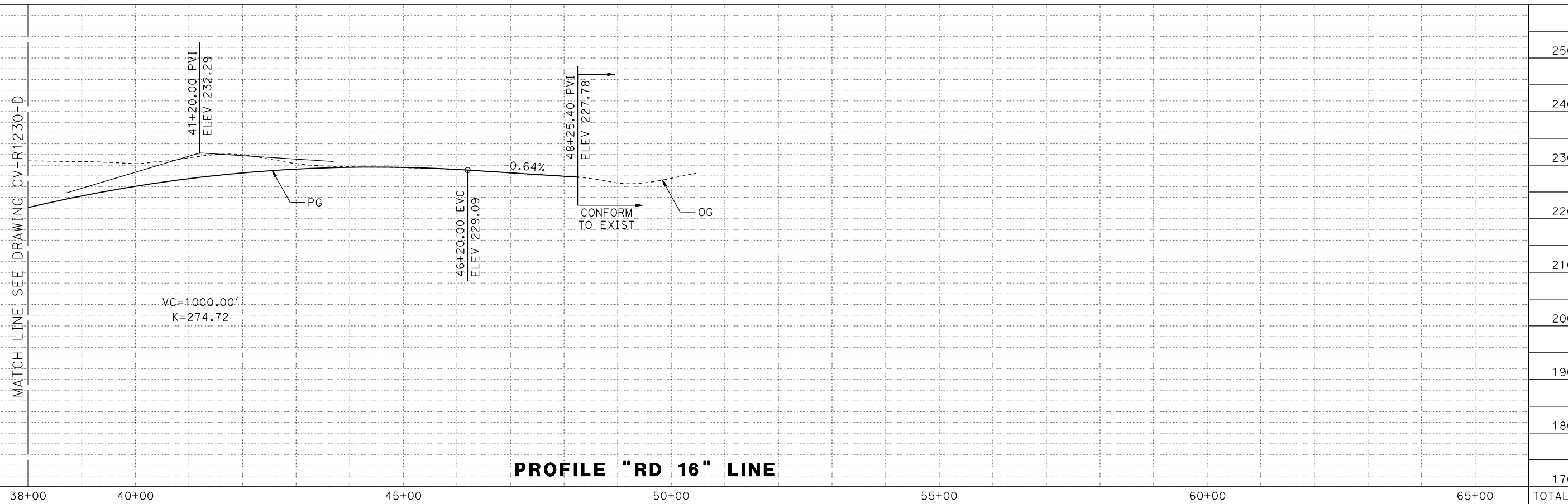
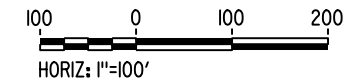
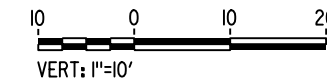
MADERA COUNTY



NOTES:

1. ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 16" LINE

31-AUG-2016 9:39 MF-CV-R1231-D.dgn

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

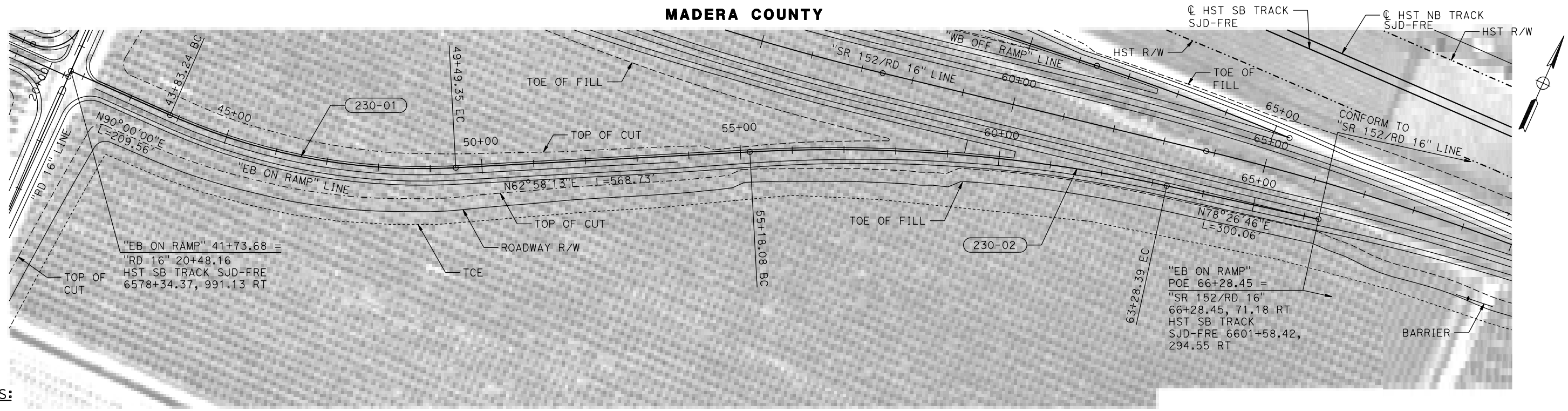
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1231-D
SCALE
AS SHOWN
SHEET NO.

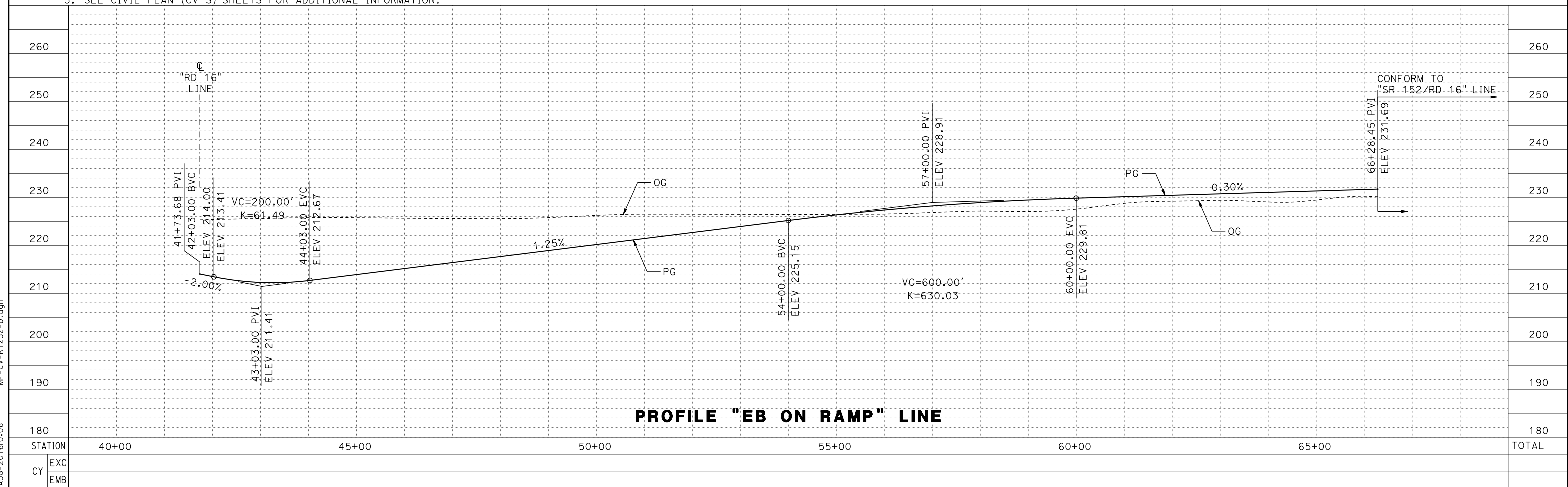
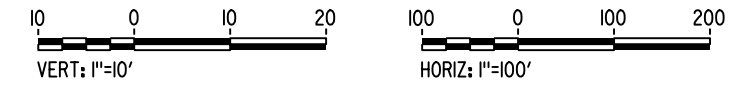
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
2. SR 152 EB ON RAMP DESIGNED WITH 50 MPH DESIGNED SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB ON RAMP" LINE

13-AUG-2016 10:06 MF-CV-R1232-D.dgn

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

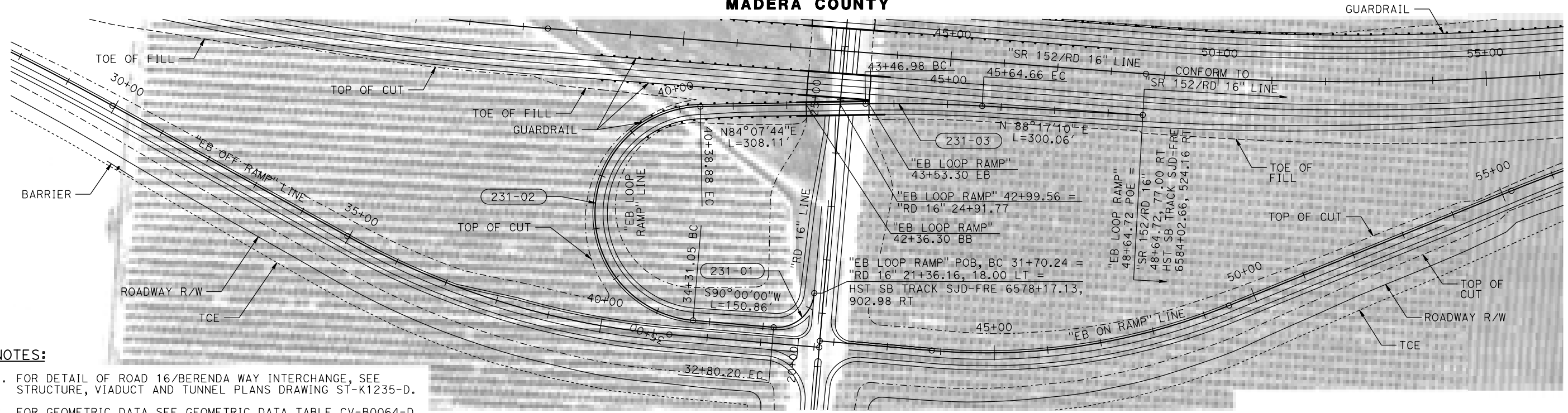
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 16/SR 152 EB ON RAMP

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

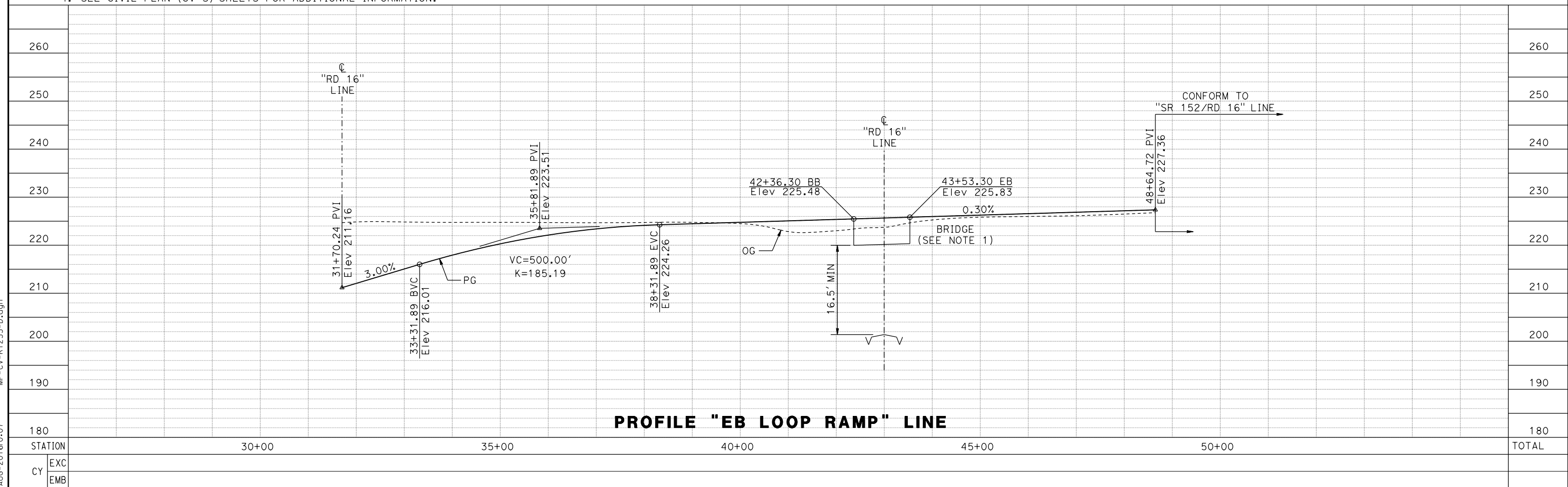
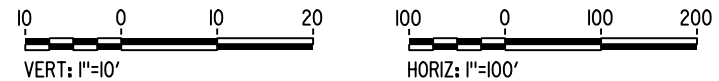
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 16/BERENDA WAY INTERCHANGE, SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1235-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
3. SR 152 EB LOOP RAMP DESIGNED WITH 30 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "EB LOOP RAMP" LINE

13-AUG-2016 09:07 MF-CV-R1233-D.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

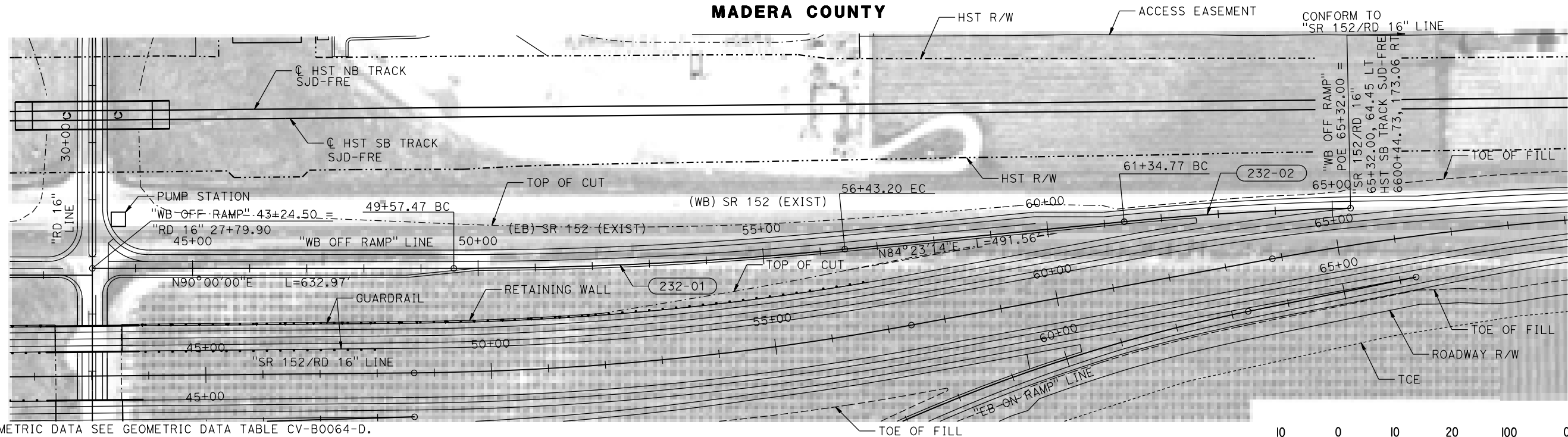
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB LOOP RAMP

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

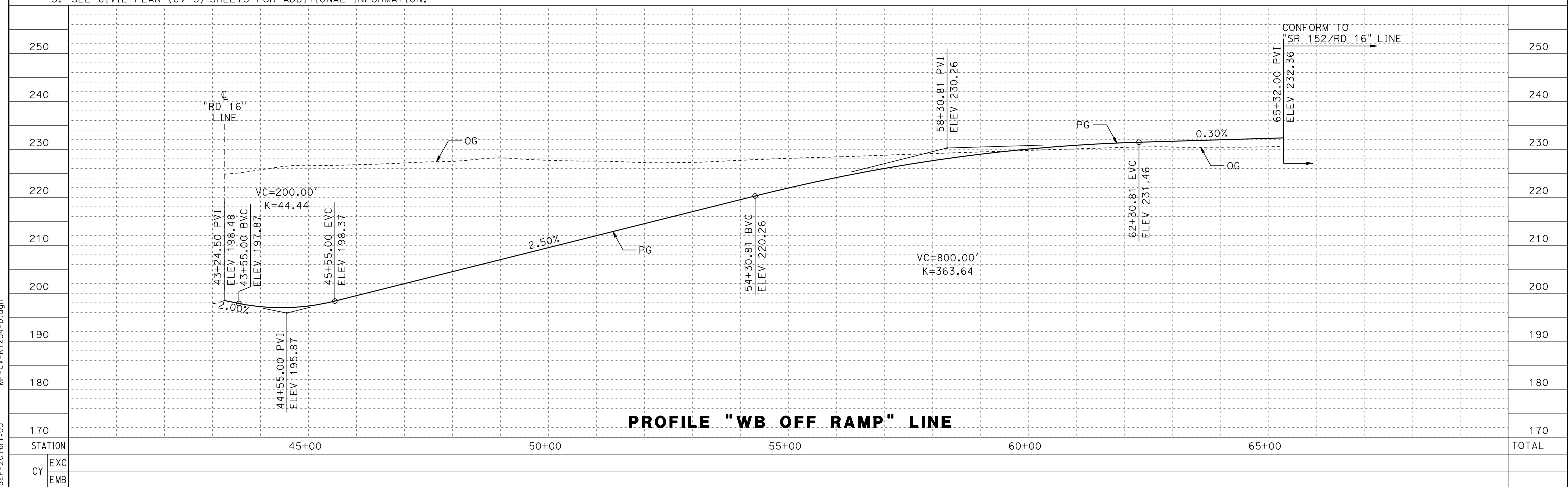
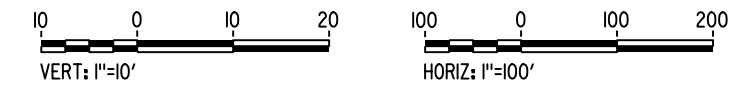
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
2. SR 152 WB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "WB OFF RAMP" LINE

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

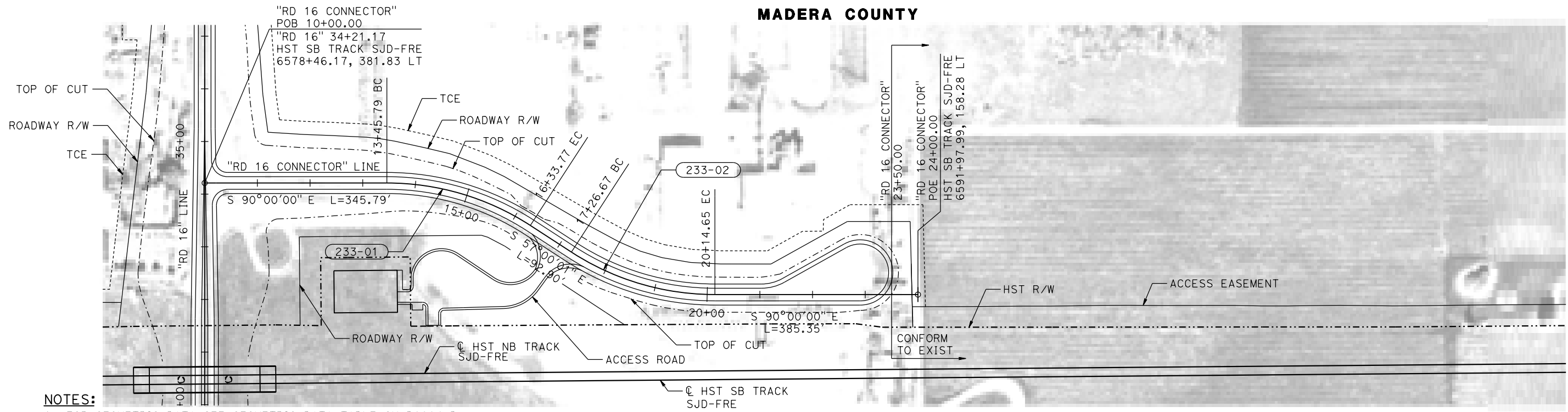


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 WB OFF RAMP

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1234-D
SCALE
AS SHOWN
SHEET NO.

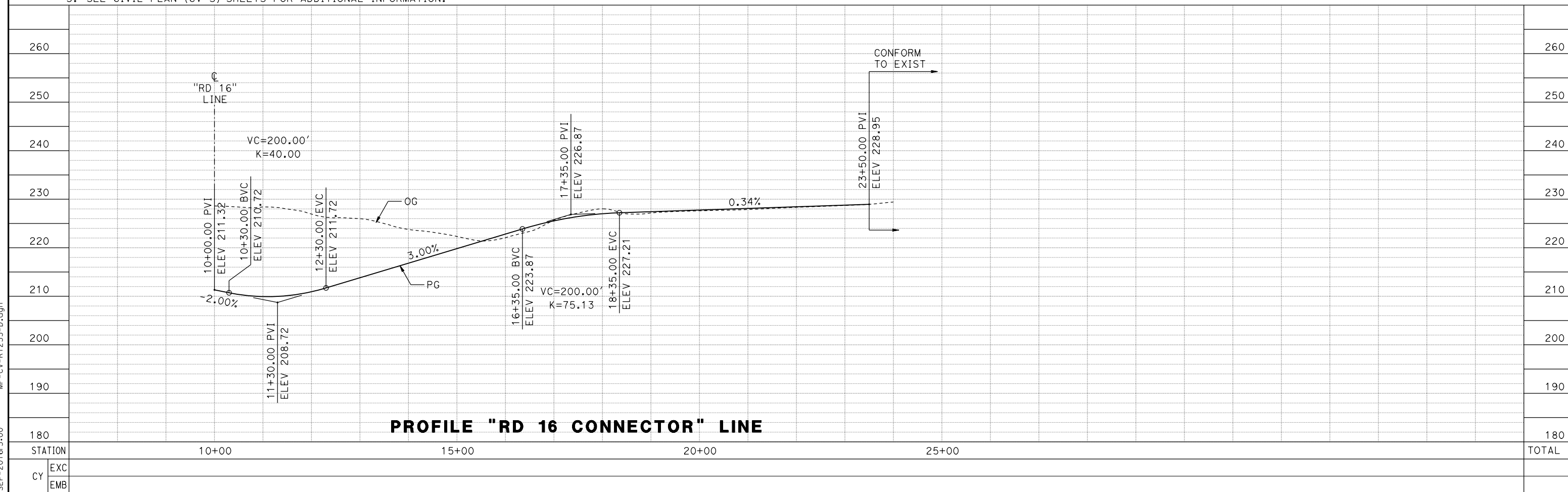
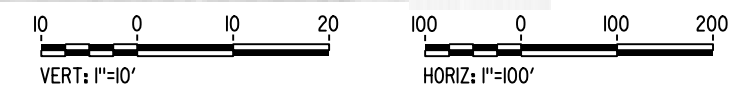
07-SEP-2016 1:03 MF-CV-R1234-D.dgn

MADERA COUNTY



- NOTES:**
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
 2. ROAD 16 CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 16 CONNECTOR" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

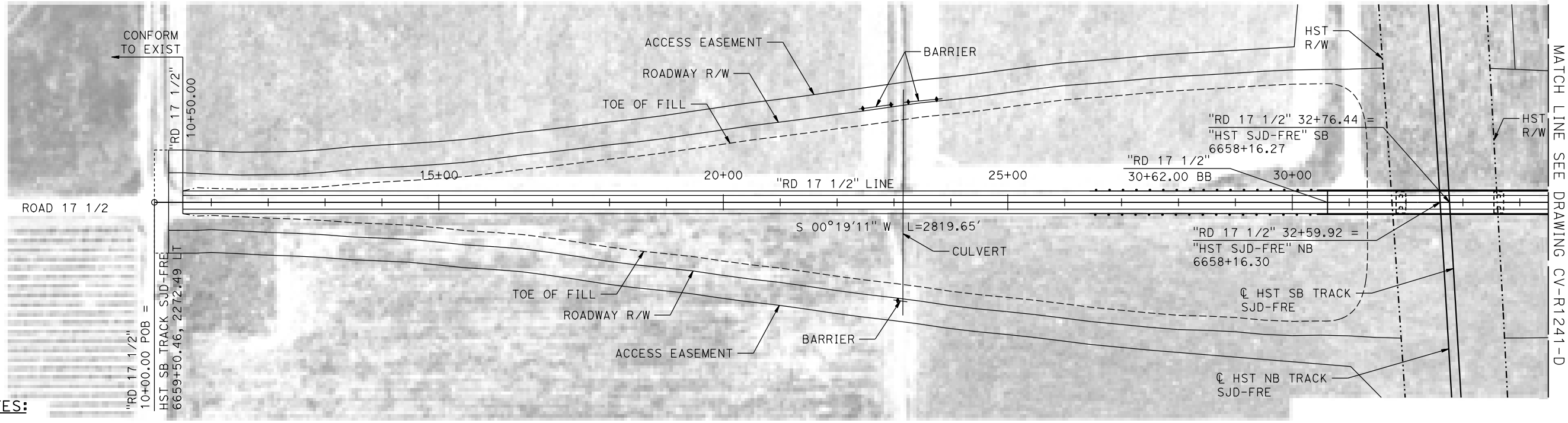


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16 CONNECTOR REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1235-D
SCALE
AS SHOWN
SHEET NO.

06-SEP-2016 3:00 MF-CV-R1235-D.dgn

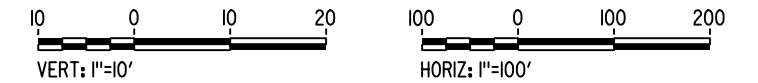
MADERA COUNTY



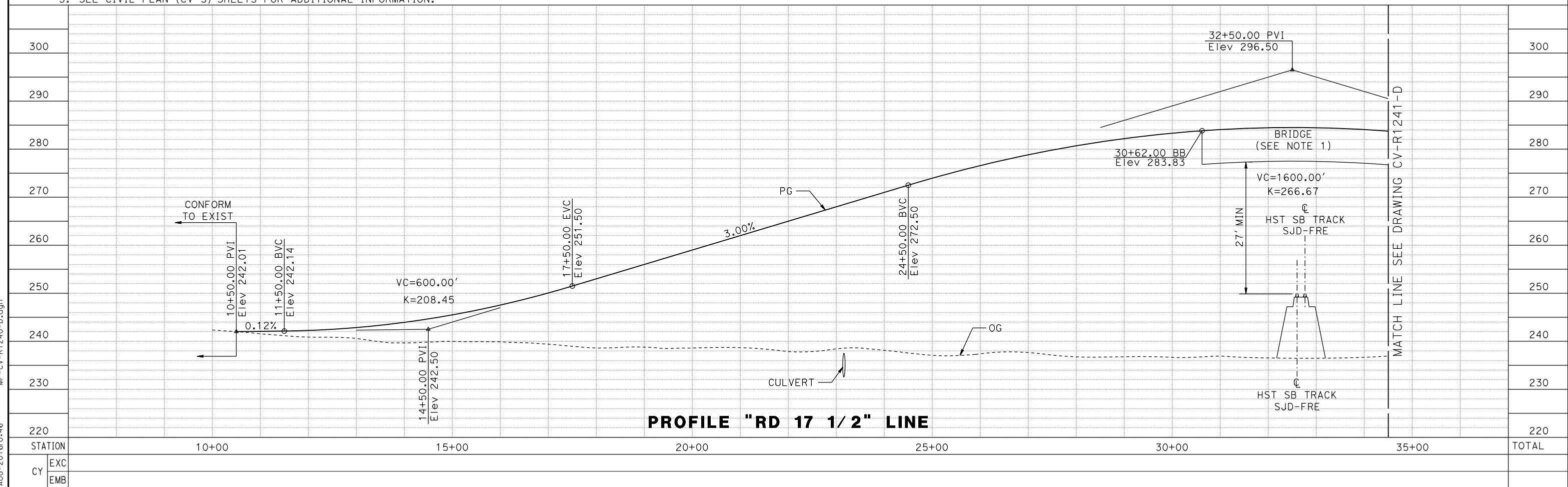
NOTES:

1. FOR DETAILS OF ROAD 17 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1240-D.
2. ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



16-AUG-2016 10:46 MF-CV-R1240-D.dgn



PROFILE "RD 17 1/2" LINE

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

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



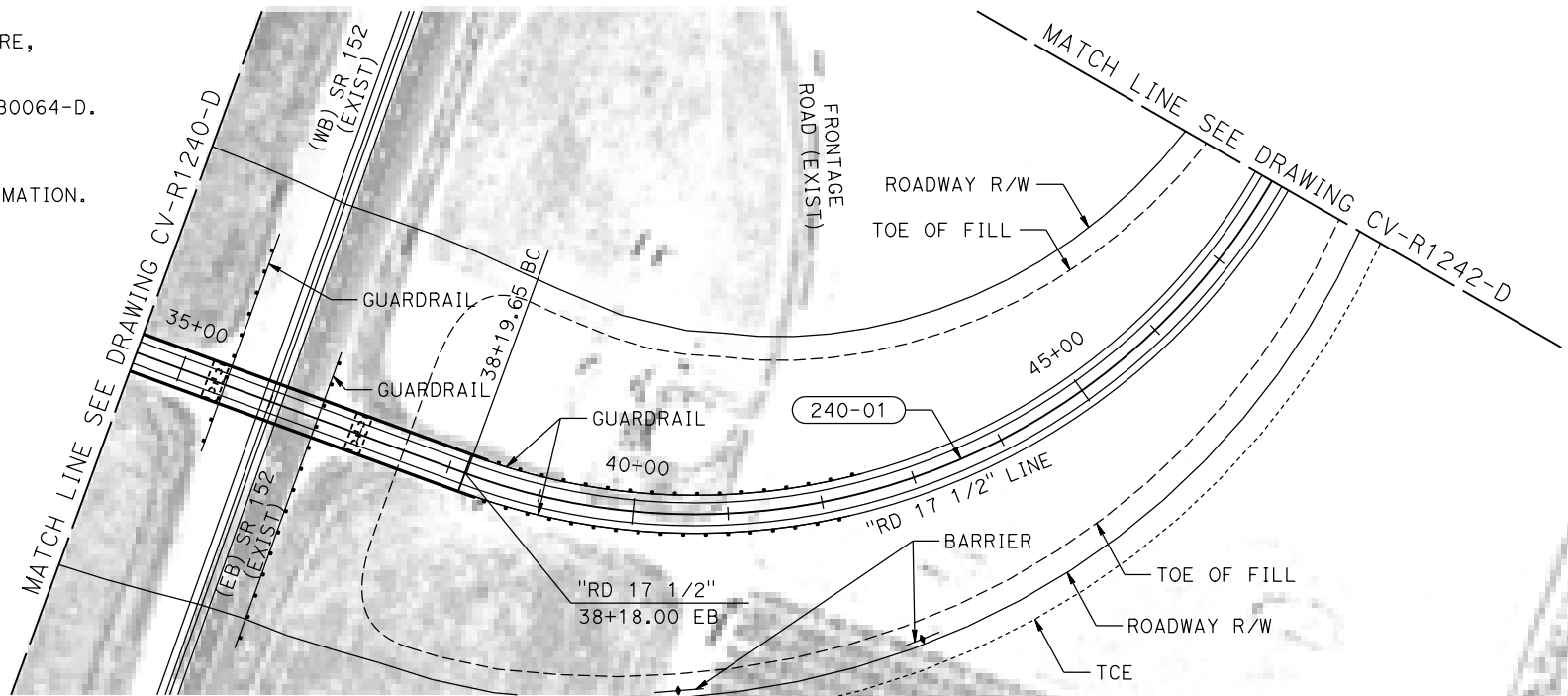
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 17 1/2 GRADE SEPARATION

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

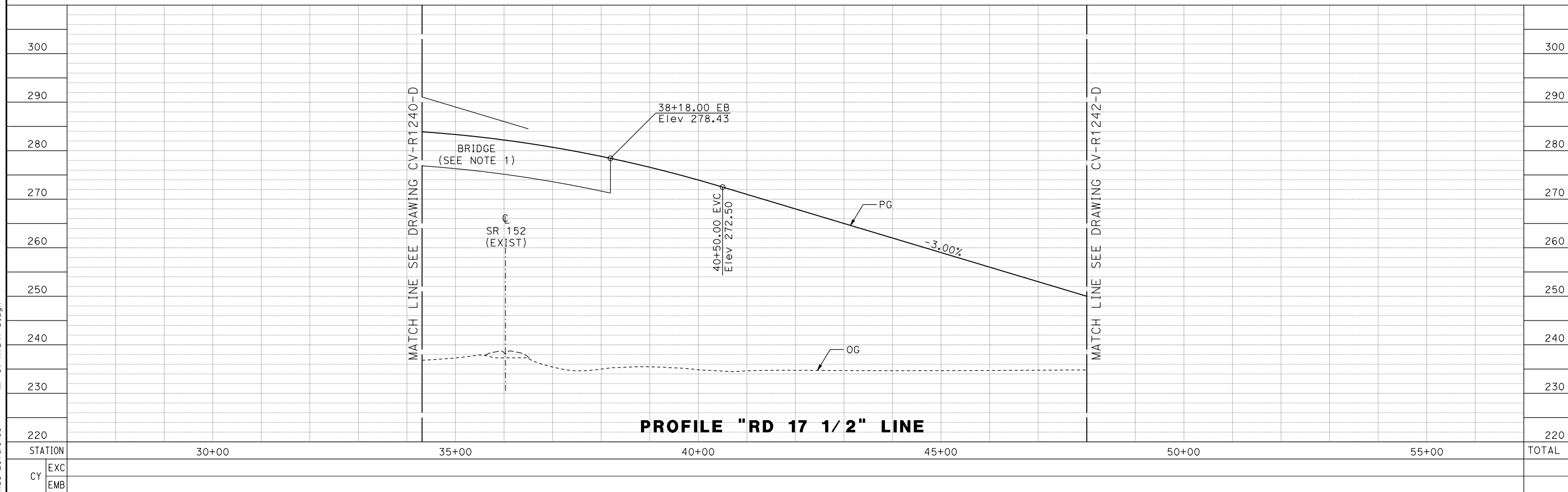
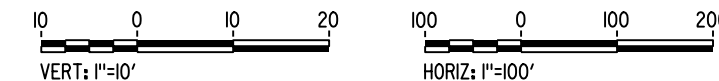
MADERA COUNTY

NOTES:

1. FOR DETAILS OF ROAD 17 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1240-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
3. ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "RD 17 1/2" LINE

13-AUG-2016 10:08 MF-CV-R1241-D.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

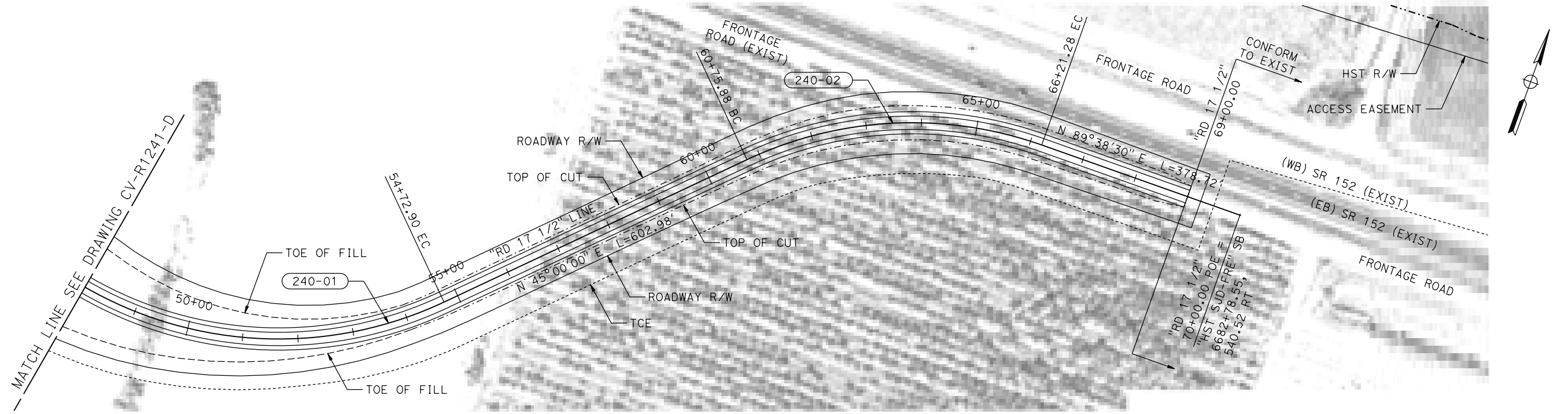
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 17 1/2 GRADE SEPARATION

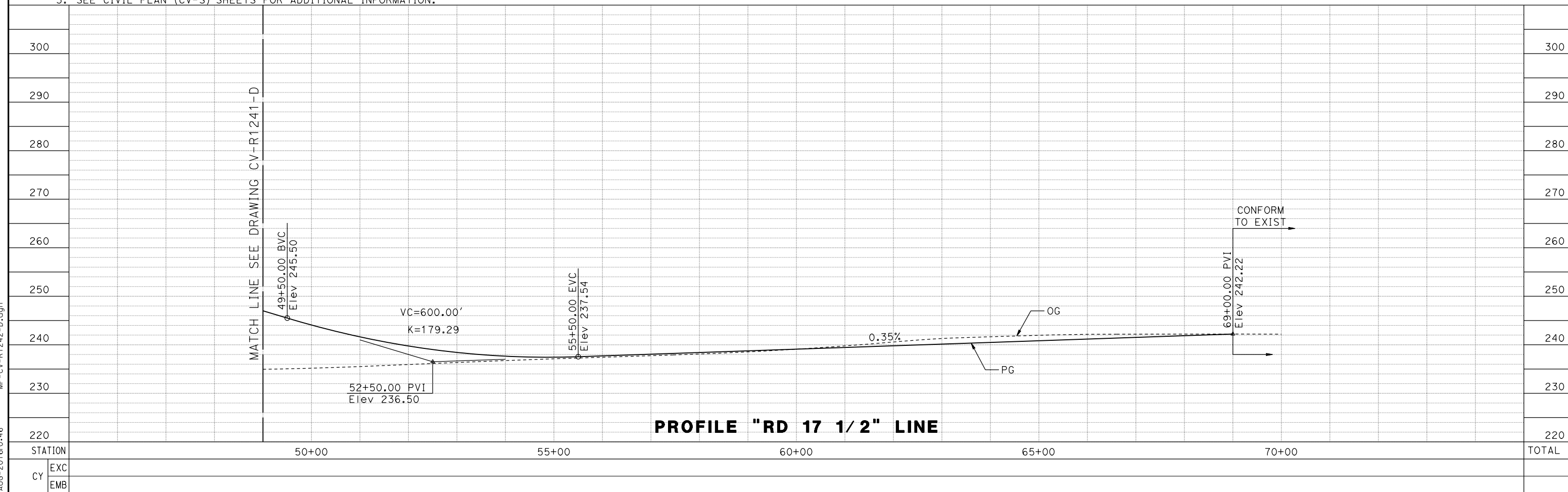
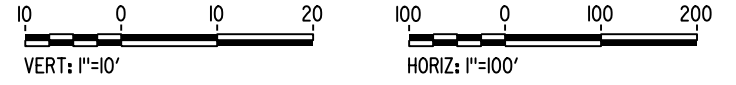
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1241-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-D.
 - ROAD 17 1/2 DESIGNED WITH 45 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 17 1/2" LINE

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

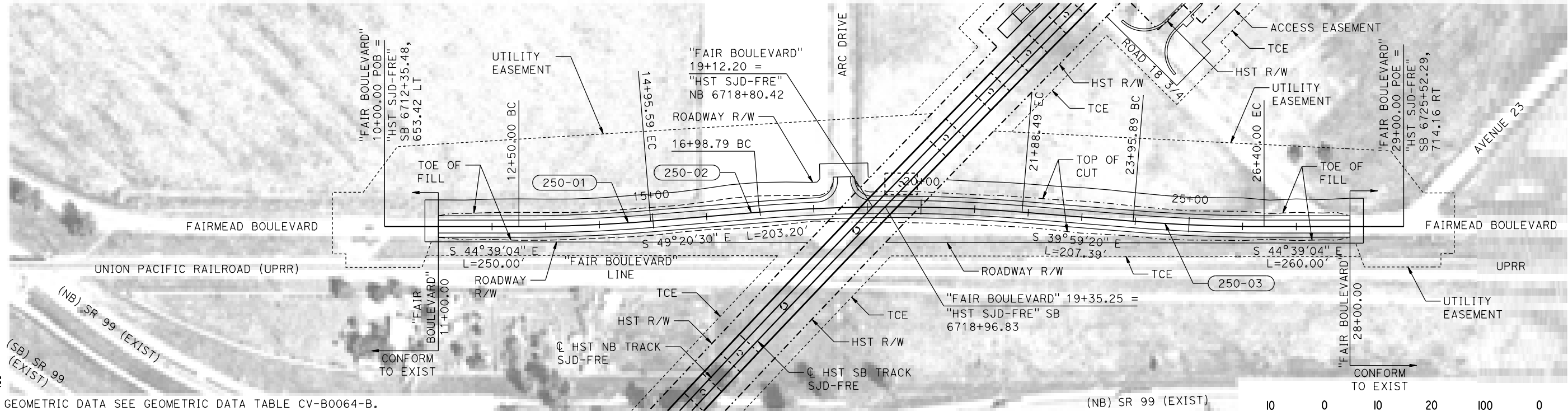


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 17 1/2 GRADE SEPARATION

CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1242-D
 SCALE
AS SHOWN
 SHEET NO.

16-AUG-2016 10:46 MF-CV-R1242-D.dgn

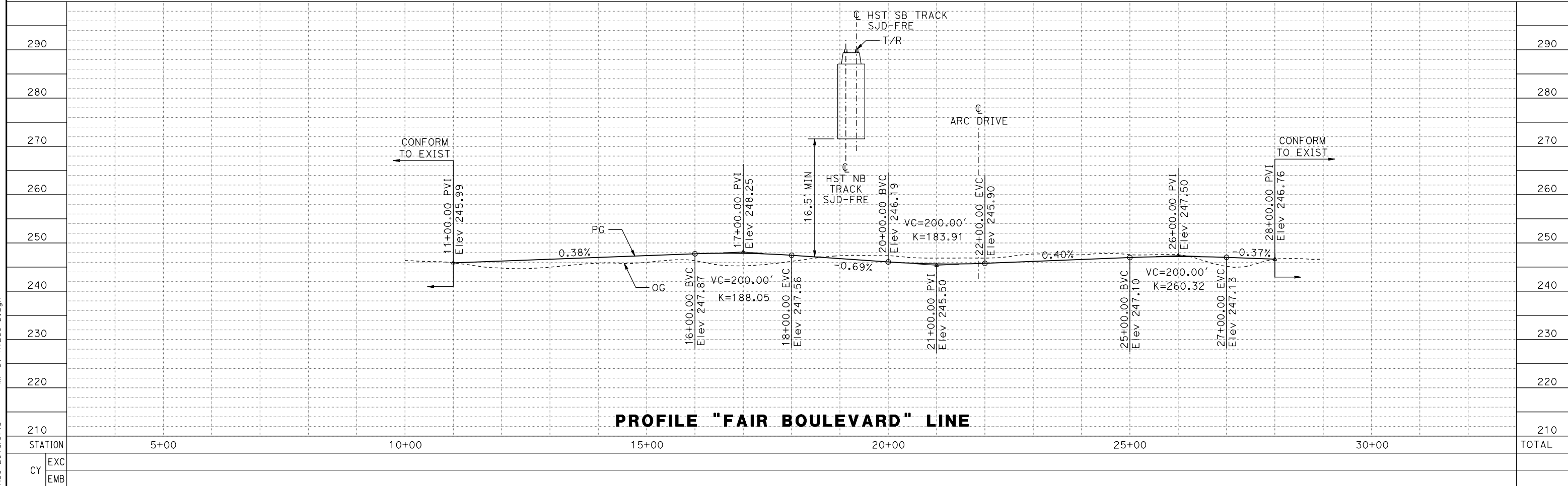
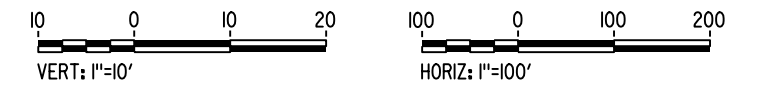
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-B.
2. FAIRMEAD BOULEVARD REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "FAIR BOULEVARD" LINE

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

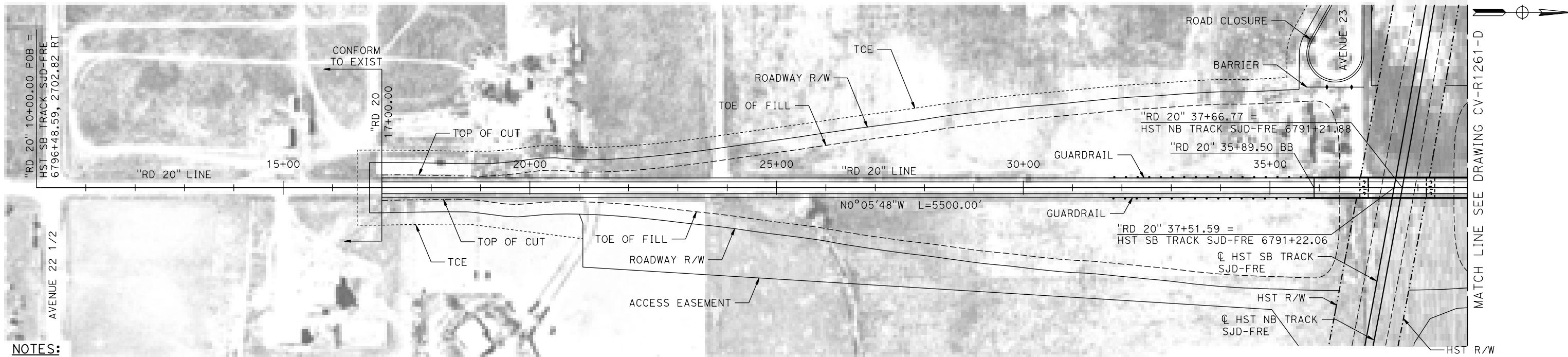


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
FAIRMEAD BOULEVARD REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1250-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:45 MF-CV-R1250-D.dgn

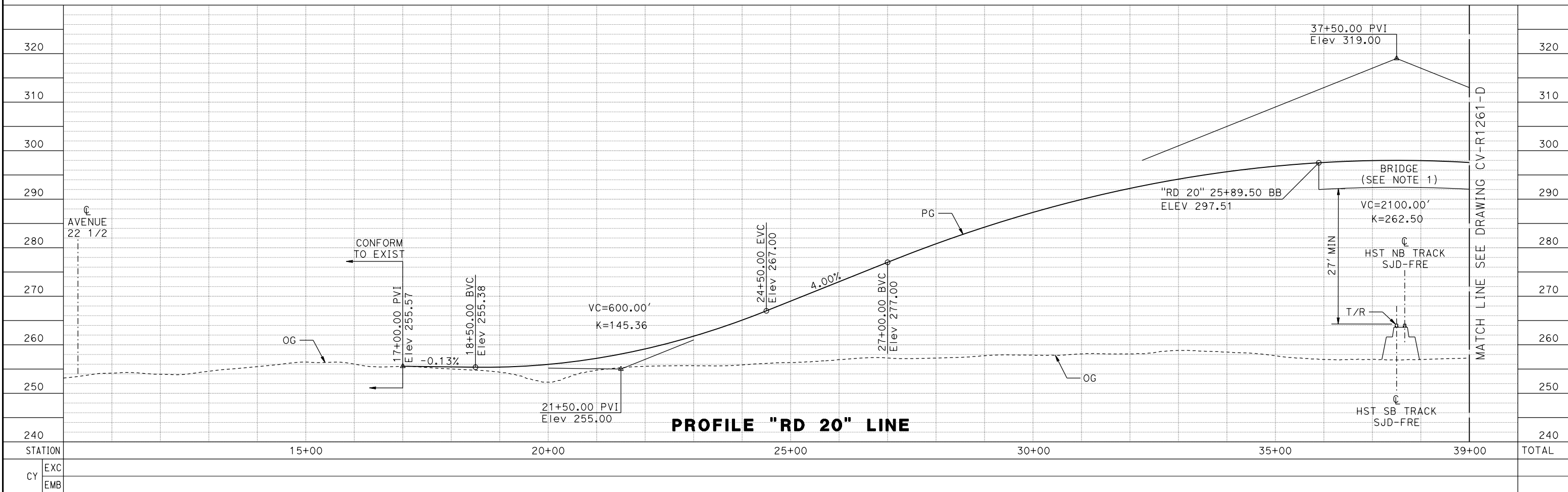
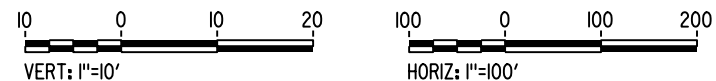
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 20 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1260-D.
2. ROAD 20 DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 20" LINE

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

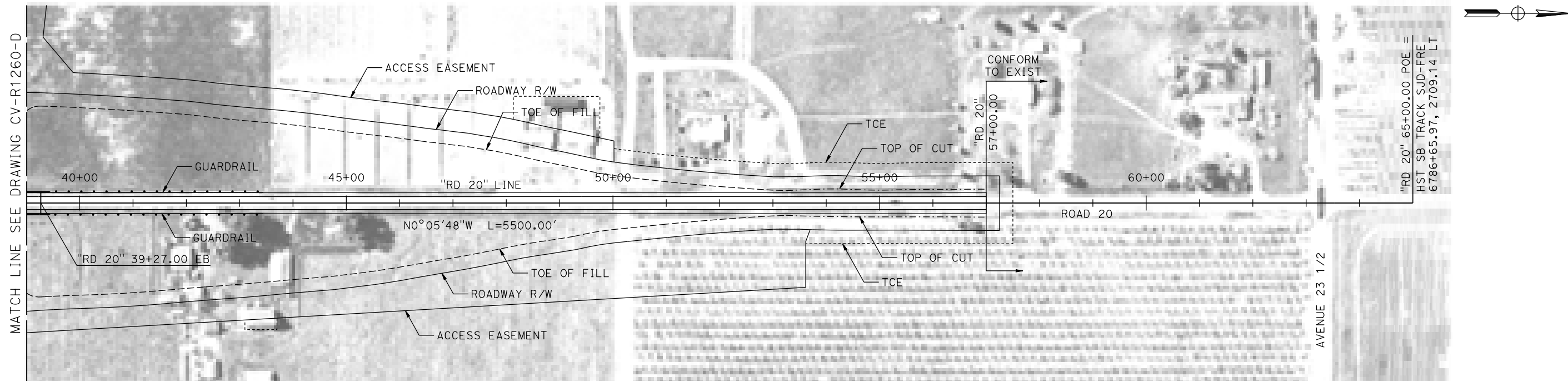


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 20 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1260-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:45 MF-CV-R1260-D.dgn

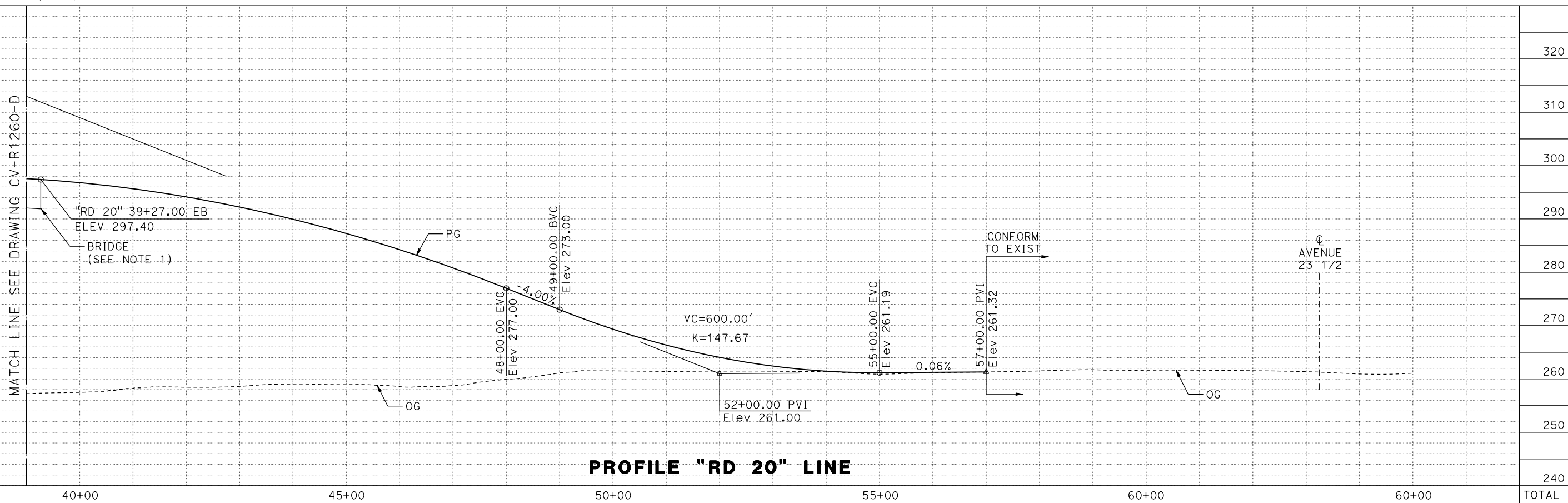
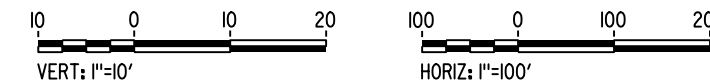
MADERA COUNTY



NOTES:

1. FOR ROAD 20 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1260-D.
2. ROAD 20 DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 20" LINE

16-AUG-2016 10:44 MF-CV-R1261-D.dgn

STATION	40+00	45+00	50+00	55+00	60+00	60+00	TOTAL
EXC							
EMB							

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

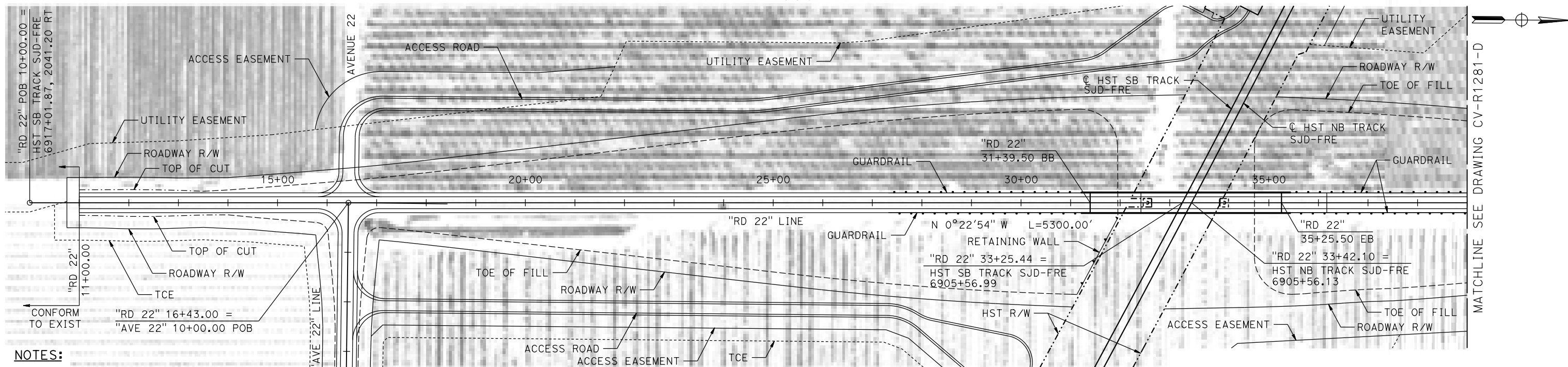
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 20 GRADE SEPARATION

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

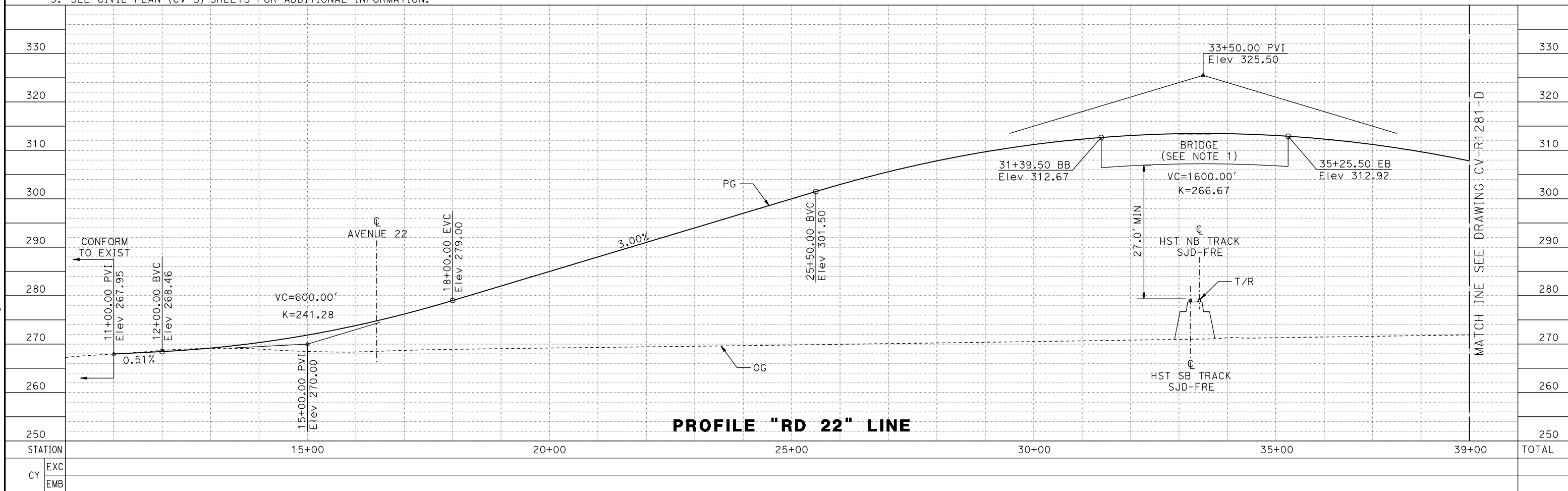
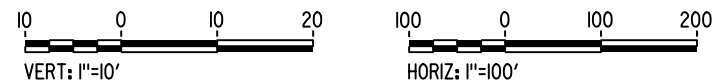
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 22 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1280-D.
2. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 22" LINE

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

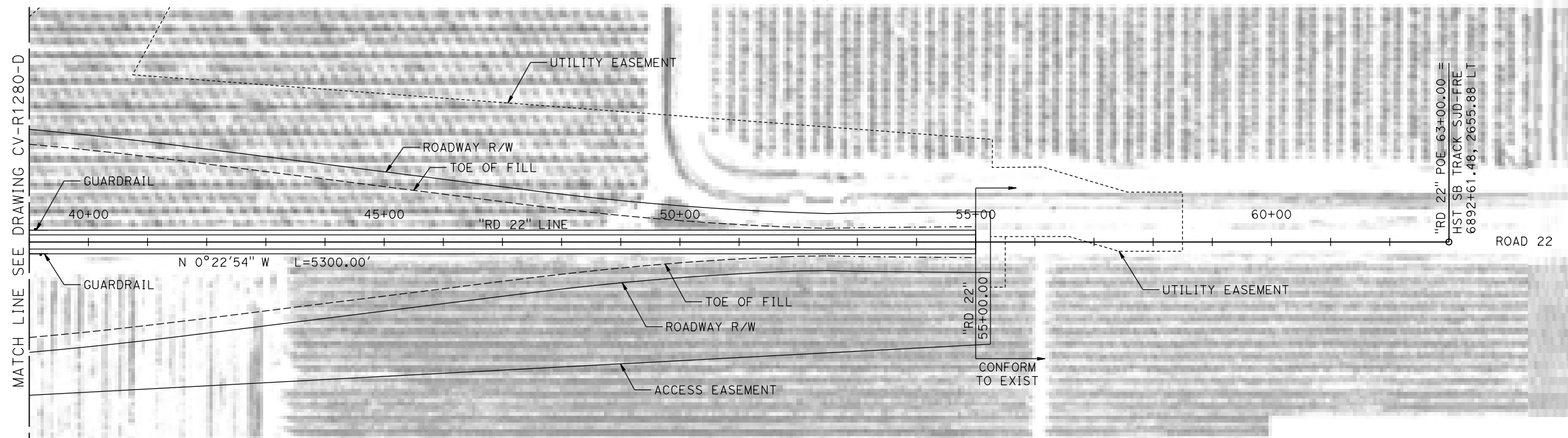


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 22 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1280-D
SCALE
AS SHOWN
SHEET NO.

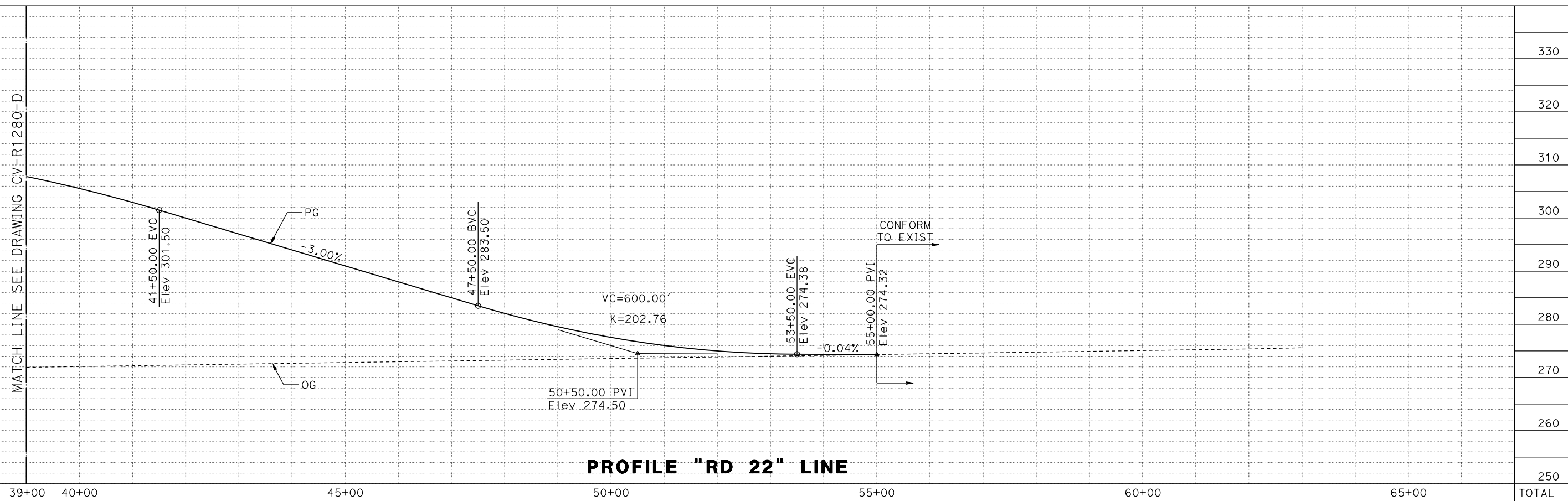
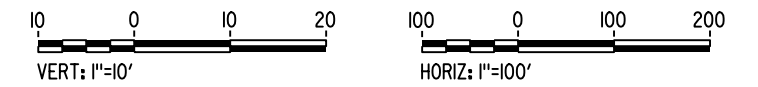
13-AUG-2016 10:26 MF-CV-R1280-D.dgn

MADERA COUNTY



NOTES:

1. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



16-AUG-2016 10:44 MF-CV-R1281-D.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

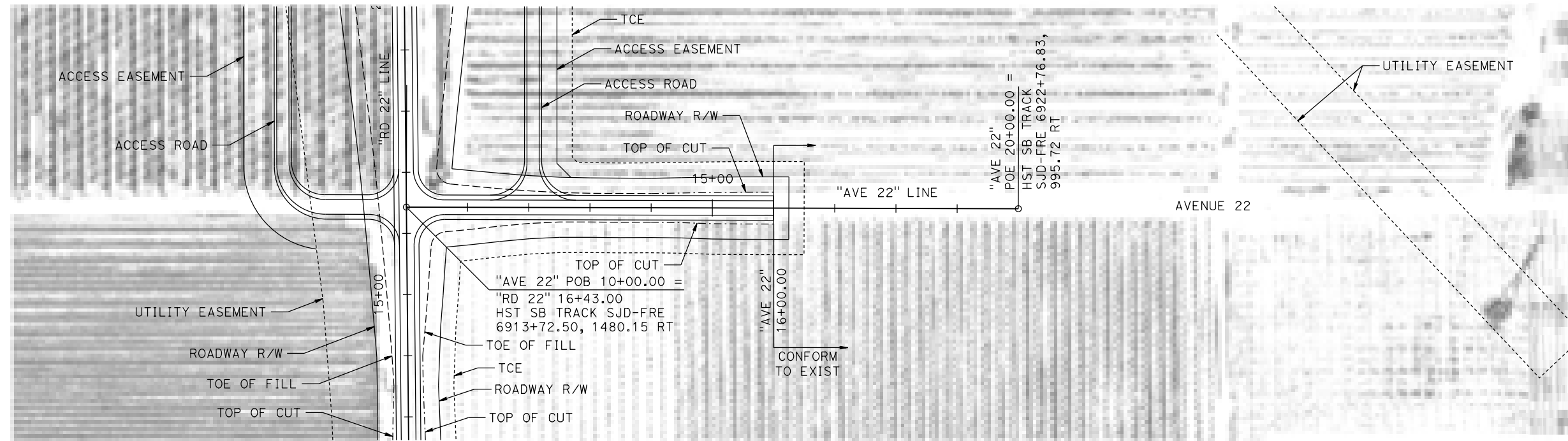
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 22 GRADE SEPARATION

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

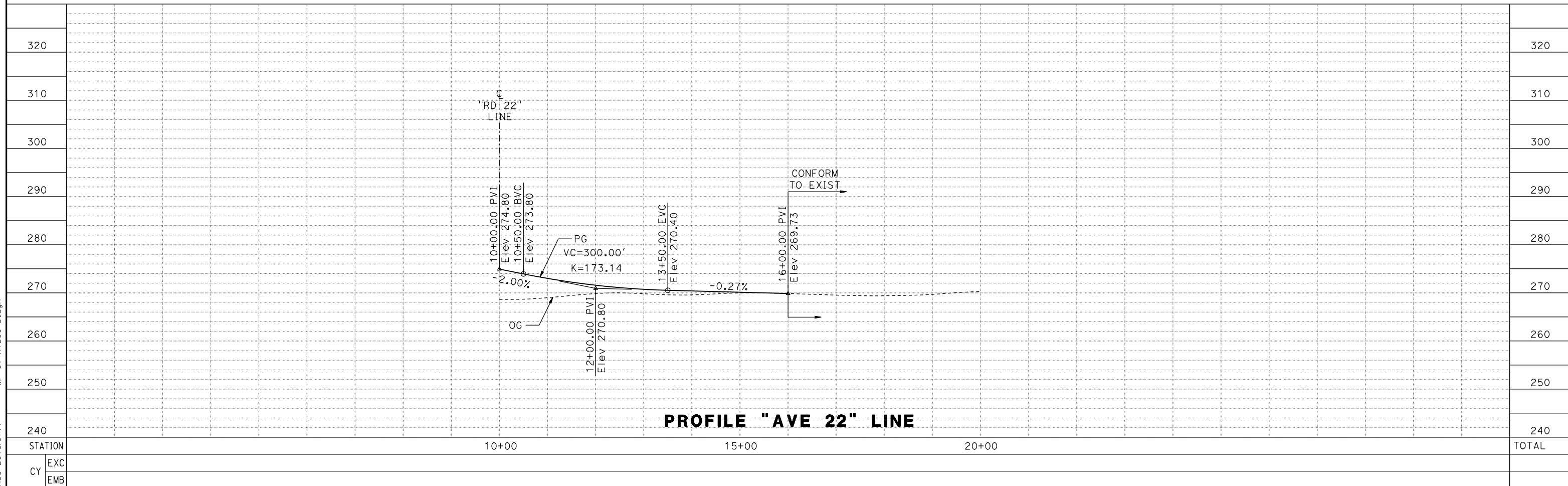
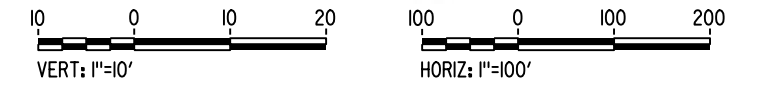
MADERA COUNTY



NOTES:

1. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 22" LINE

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

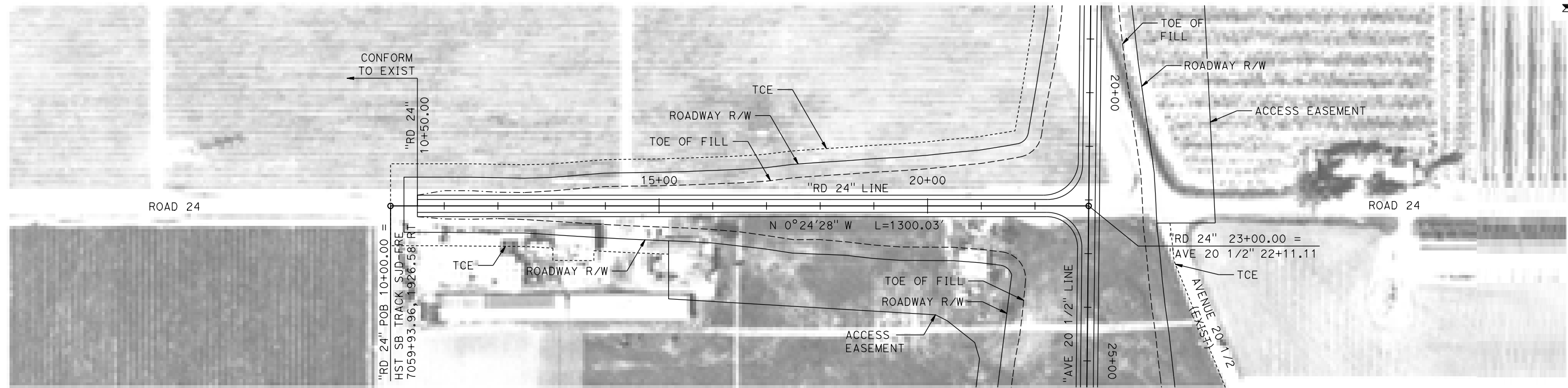


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 22 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1290-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:44 MF-CV-R1290-D.dgn

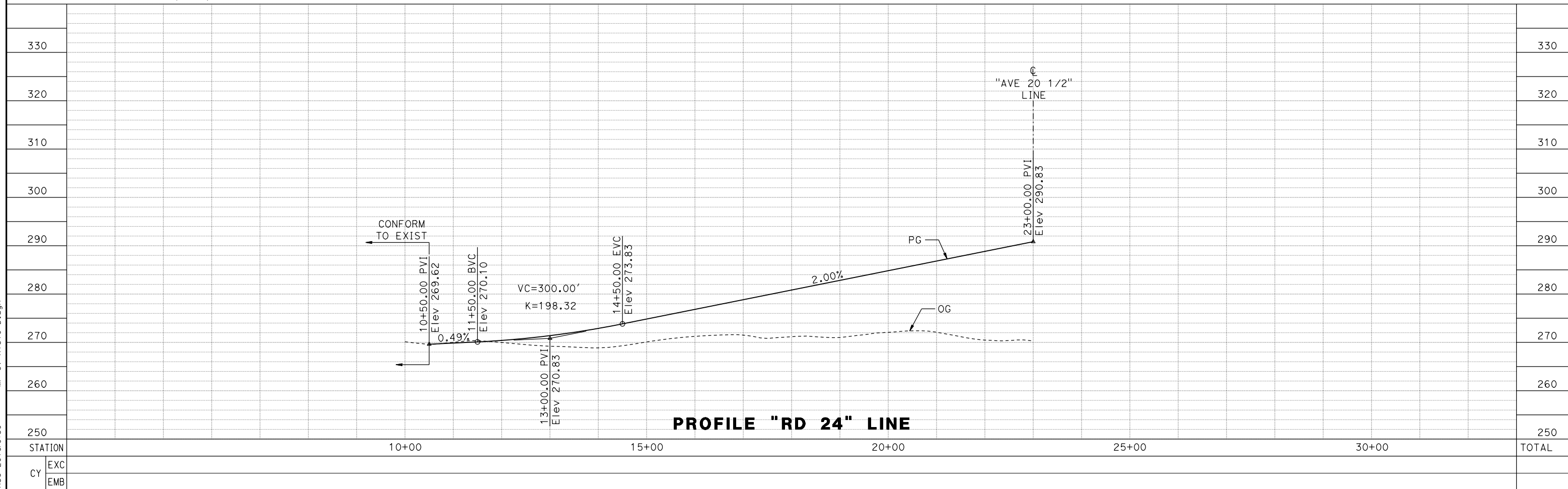
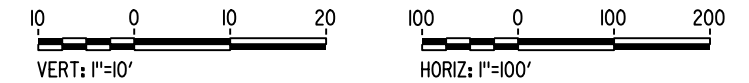
MADERA COUNTY



NOTES:

- ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 24" LINE

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

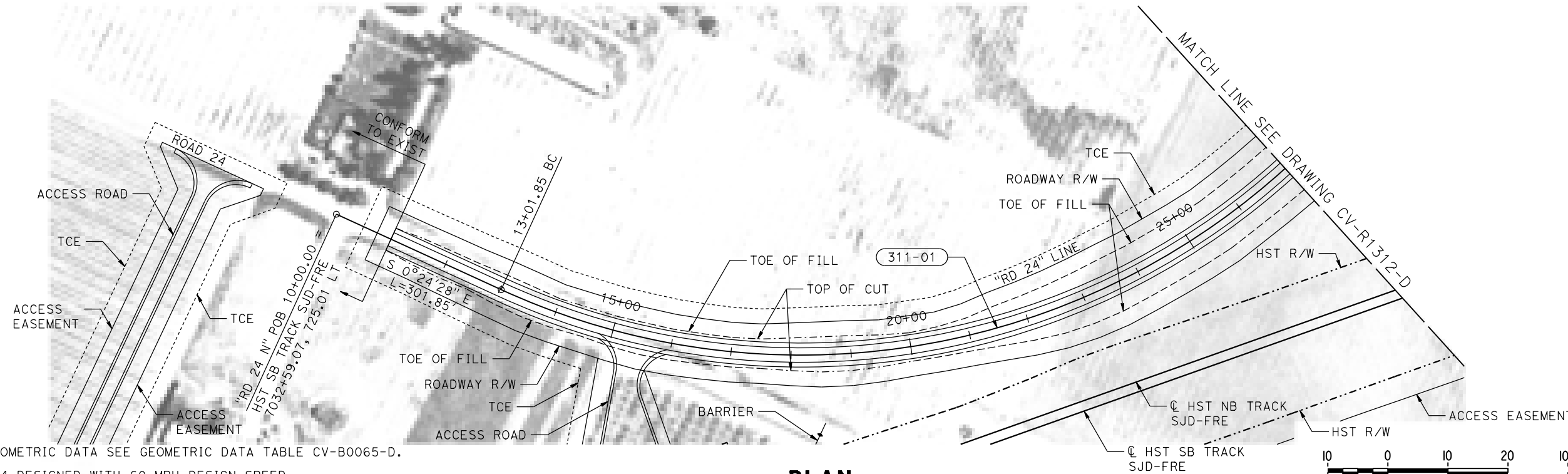
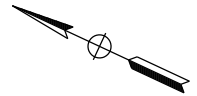


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1310-D
SCALE
AS SHOWN
SHEET NO.

31-AUG-2016 9:39 MF-CV-R1310-D.dgn

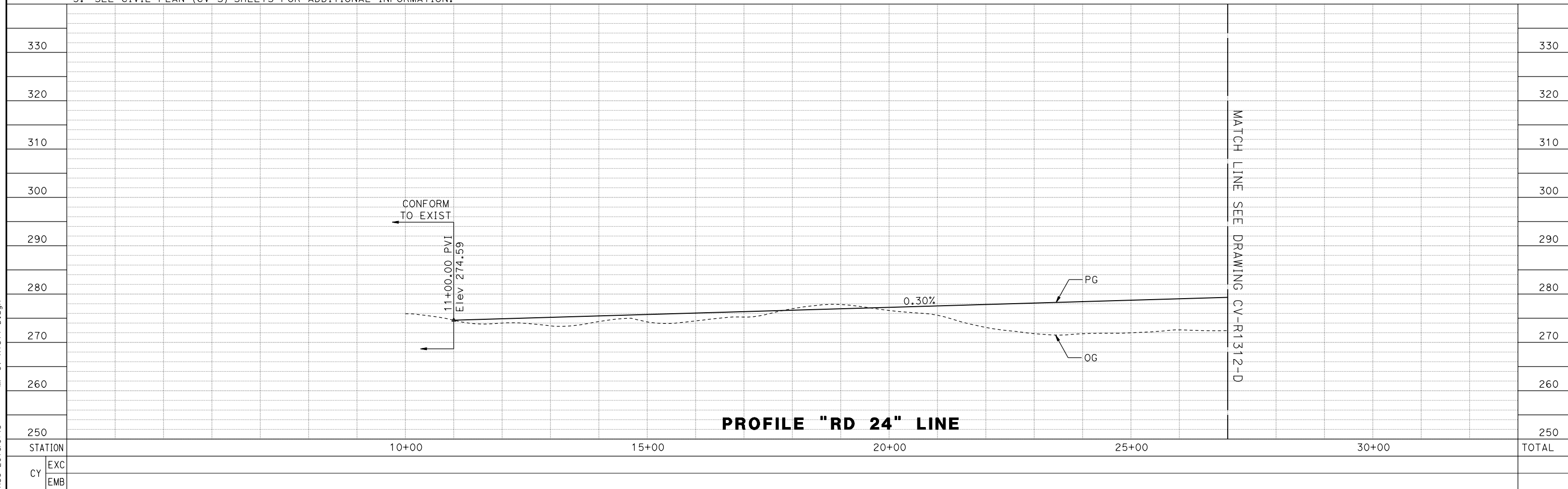
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
2. ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 24" LINE

16-AUG-2016 10:43 MF-CV-R1311-D.dgn

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

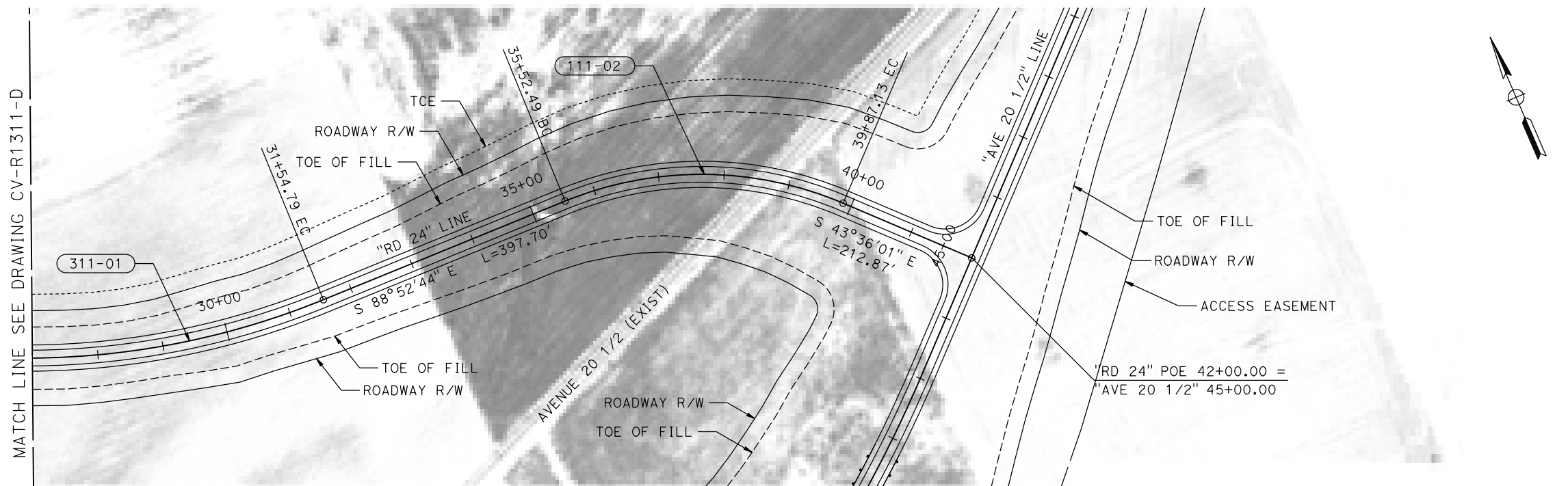
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1311-D
SCALE
AS SHOWN
SHEET NO.

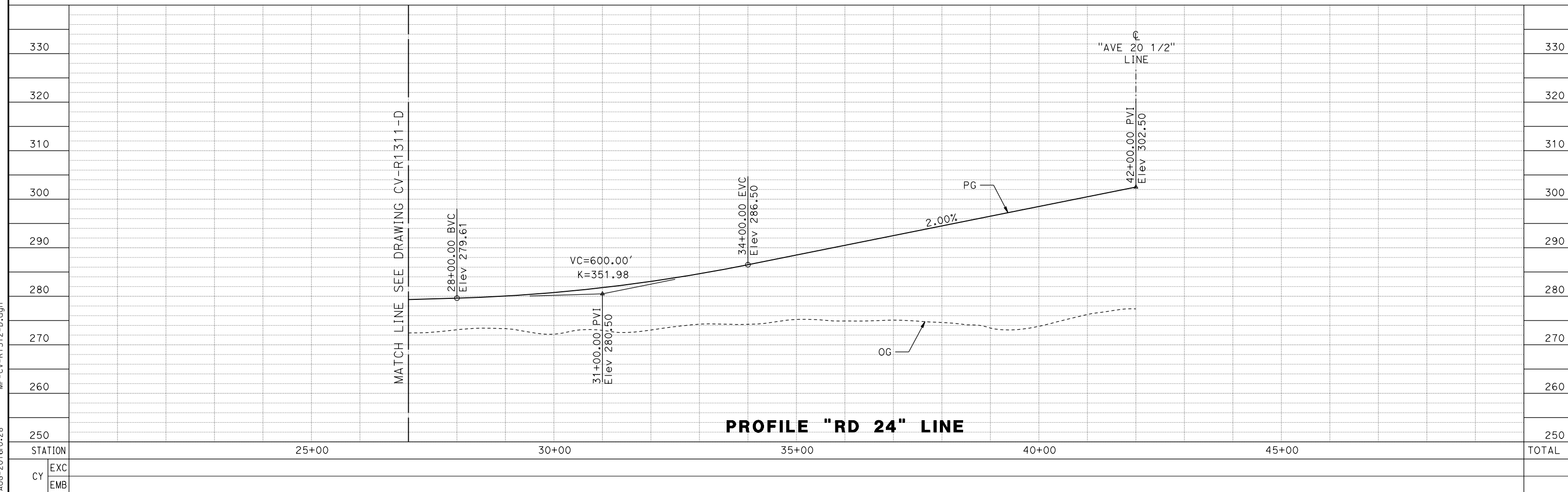
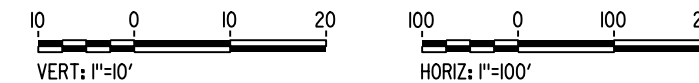
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
2. ROAD 24 REALIGNMENT DESIGNED WITH 35 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 24" LINE

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

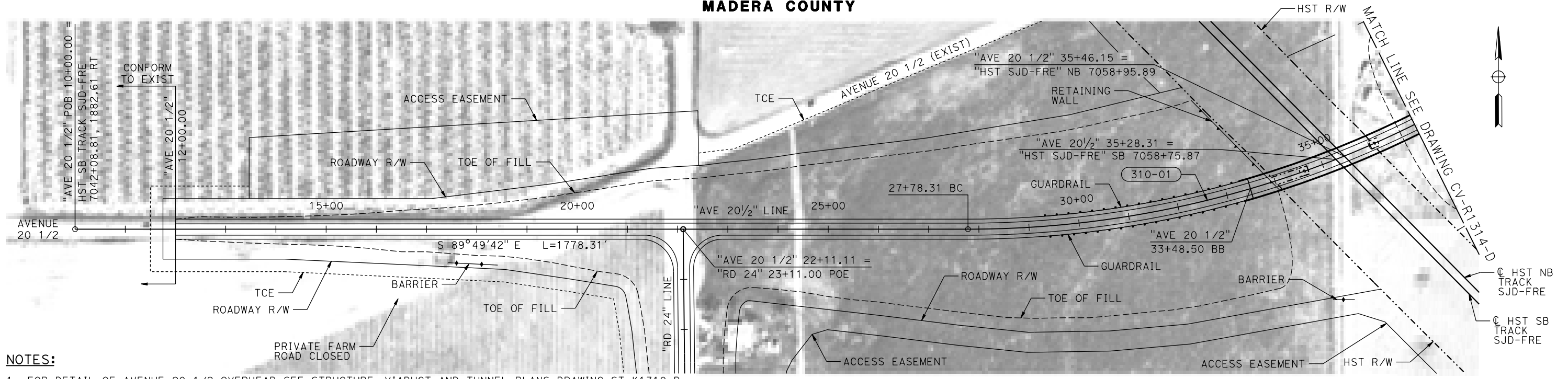


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1312-D
SCALE
AS SHOWN
SHEET NO.

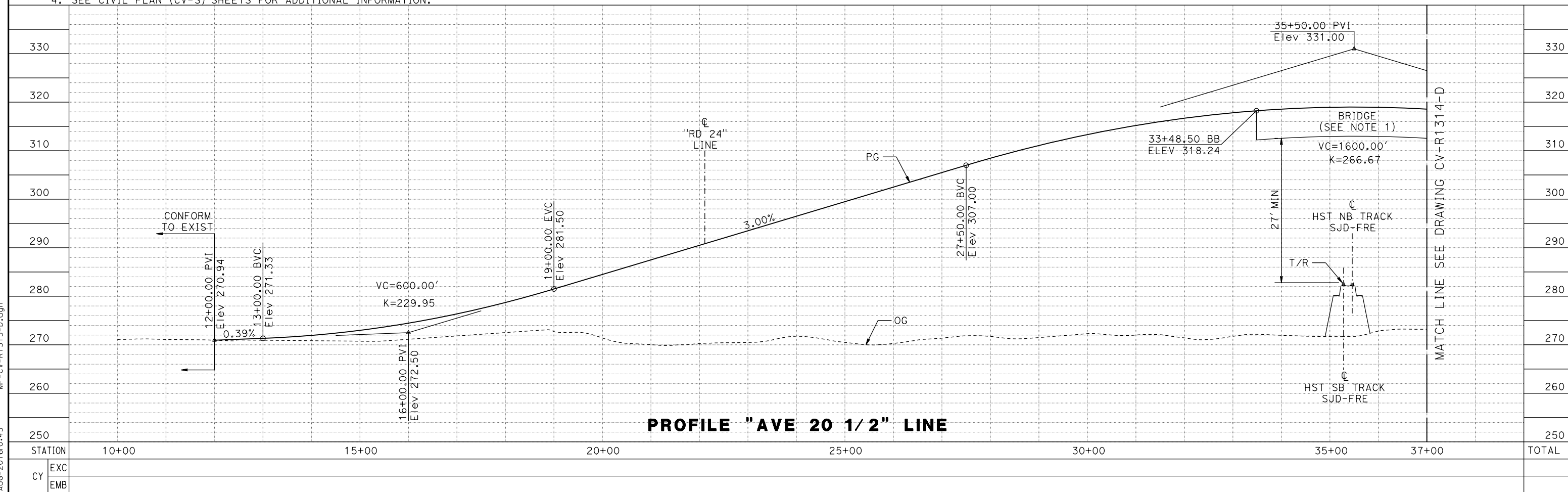
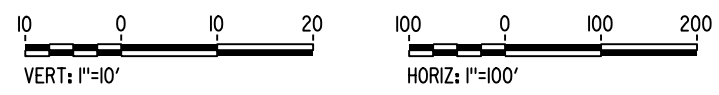
13-AUG-2016 10:28 MF-CV-R1312-D.dgn

MADERA COUNTY



- NOTES:**
1. FOR DETAIL OF AVENUE 20 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1310-D.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
 3. AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.
 4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 20 1/2" LINE

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

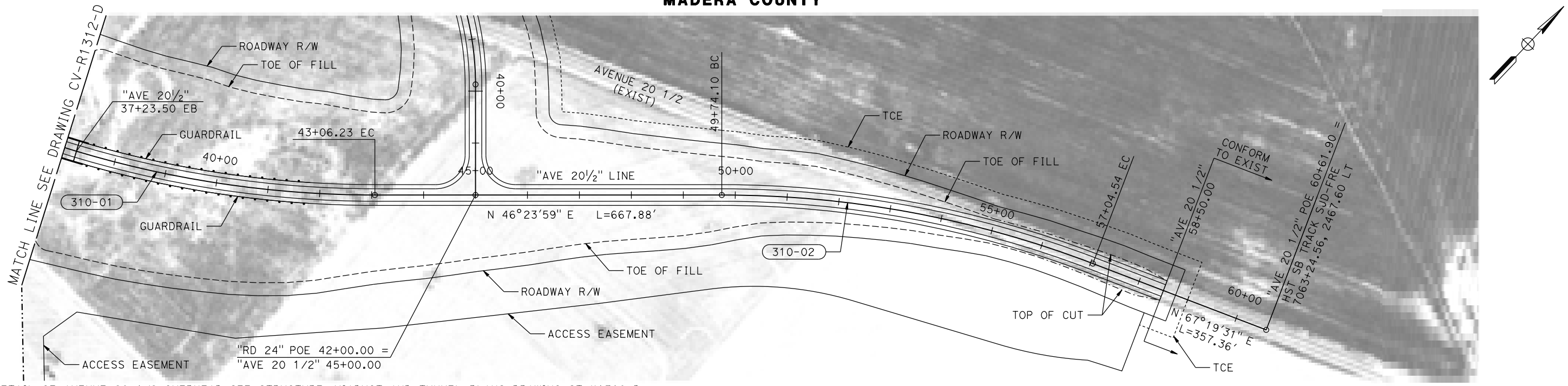


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 20 1/2 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1313-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 0:43 MF-CV-R1313-D.dgn

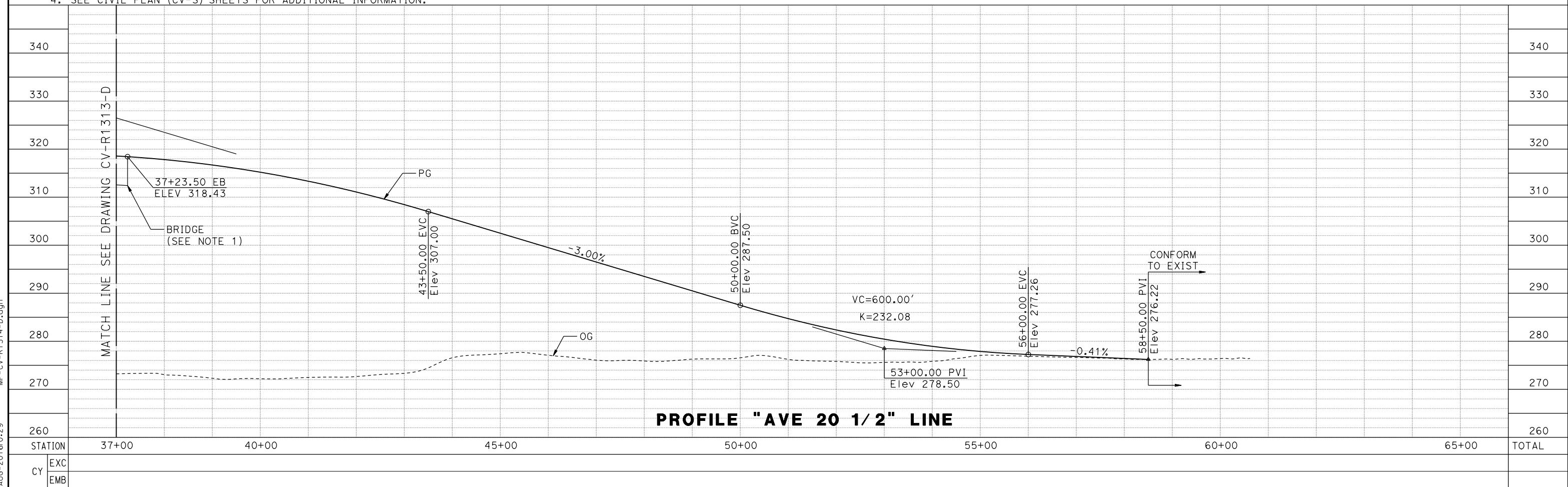
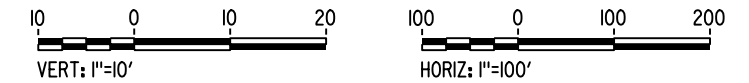
MADERA COUNTY



NOTES:

1. FOR DETAIL OF AVENUE 20 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1310-D.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
3. AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.
4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 20 1/2" LINE

13-AUG-2016 10:29 MF-CV-R1314-D.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

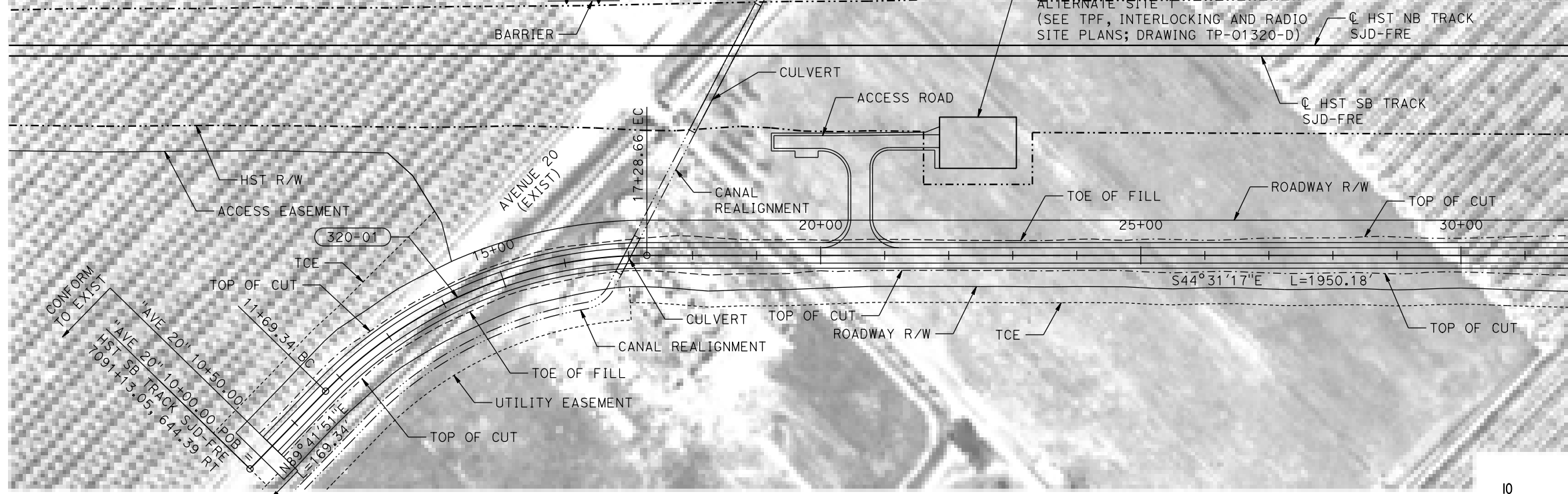
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 AVENUE 20 1/2 GRADE SEPARATION

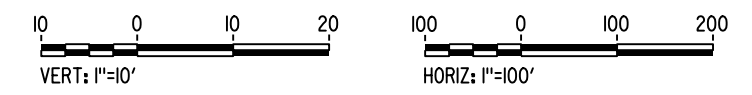
CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1314-D
 SCALE
AS SHOWN
 SHEET NO.

MADERA COUNTY

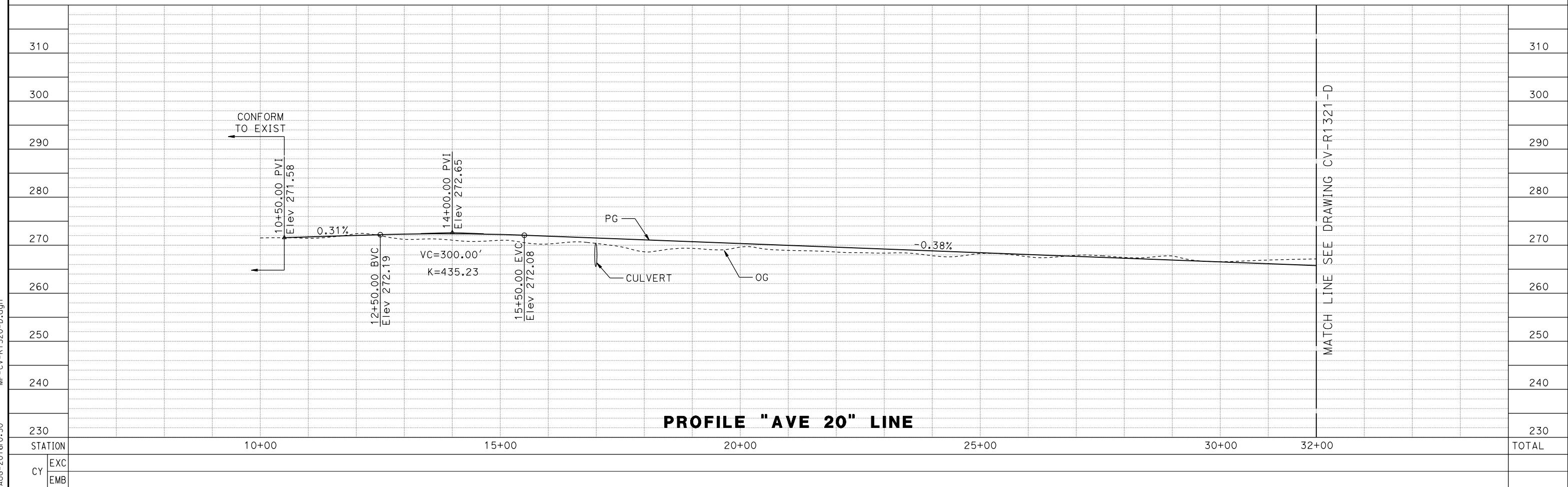


MATCH LINE SEE DRAWING CV-R1321-D

- NOTES:**
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
 - AVENUE 20 REALIGNMENT DESIGNED WITH 45 MPH DESIGN SPEED.
 - SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "AVE 20" LINE

MATCH LINE SEE DRAWING CV-R1321-D

13-AUG-2016 10:30 MF-CV-R1320-D.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

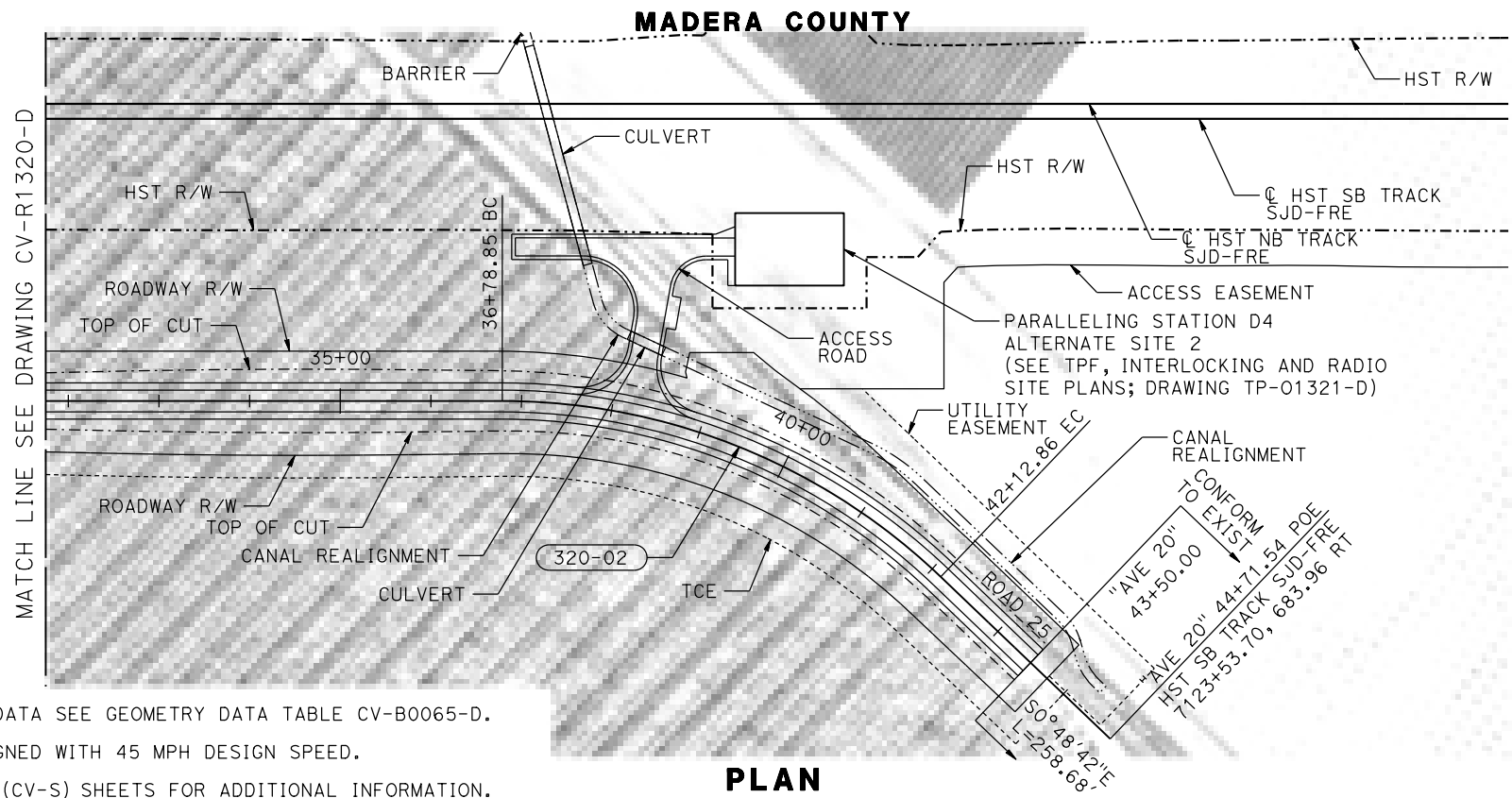
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 20 REALIGNMENT

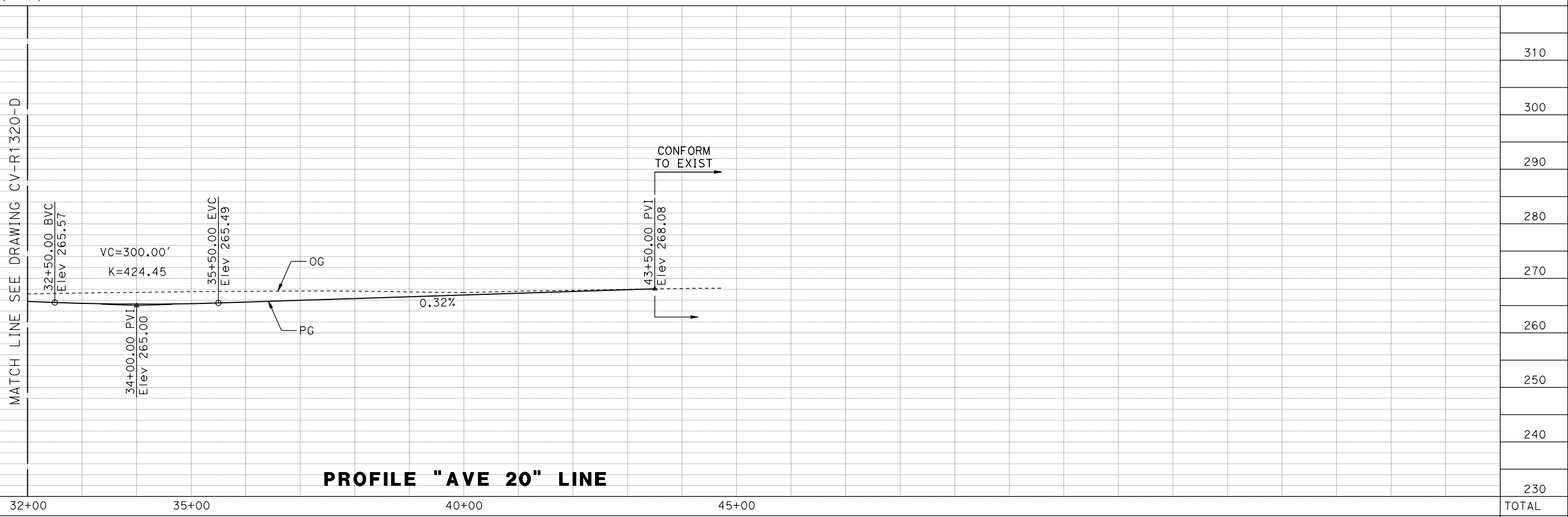
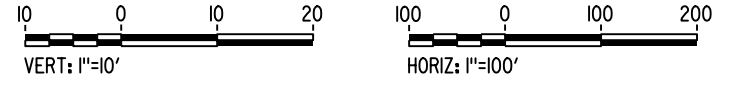
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1320-D
SCALE
AS SHOWN
SHEET NO.



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRY DATA TABLE CV-B0065-D.
2. AVENUE 20 DESIGNED WITH 45 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 20" LINE

13-AUG-2016 10:30 MF-CV-R1321-D.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

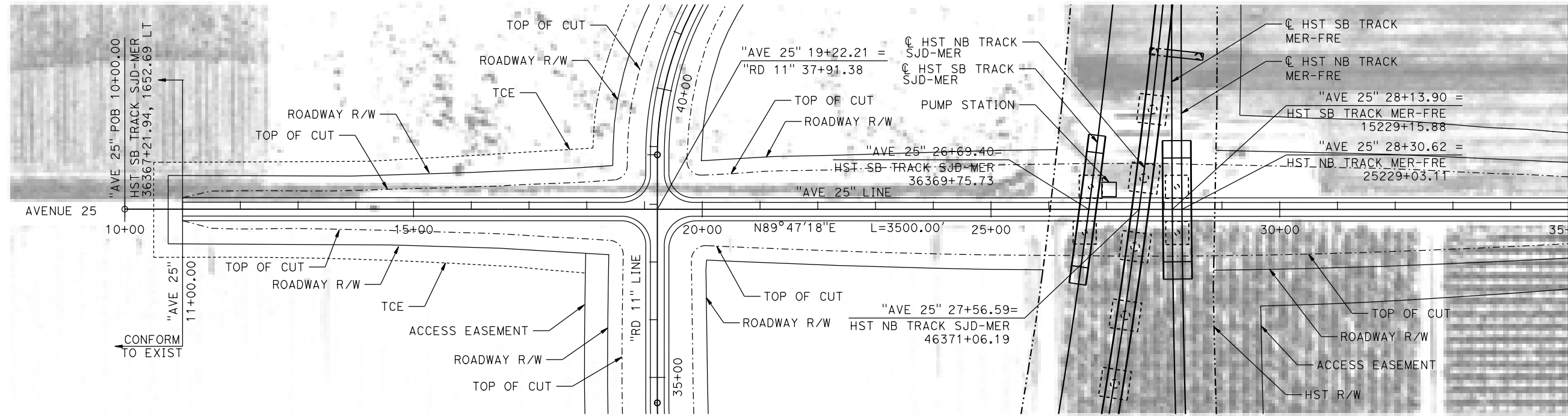
NOT FOR
CONSTRUCTION



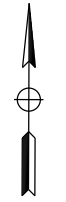
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 20 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1321-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



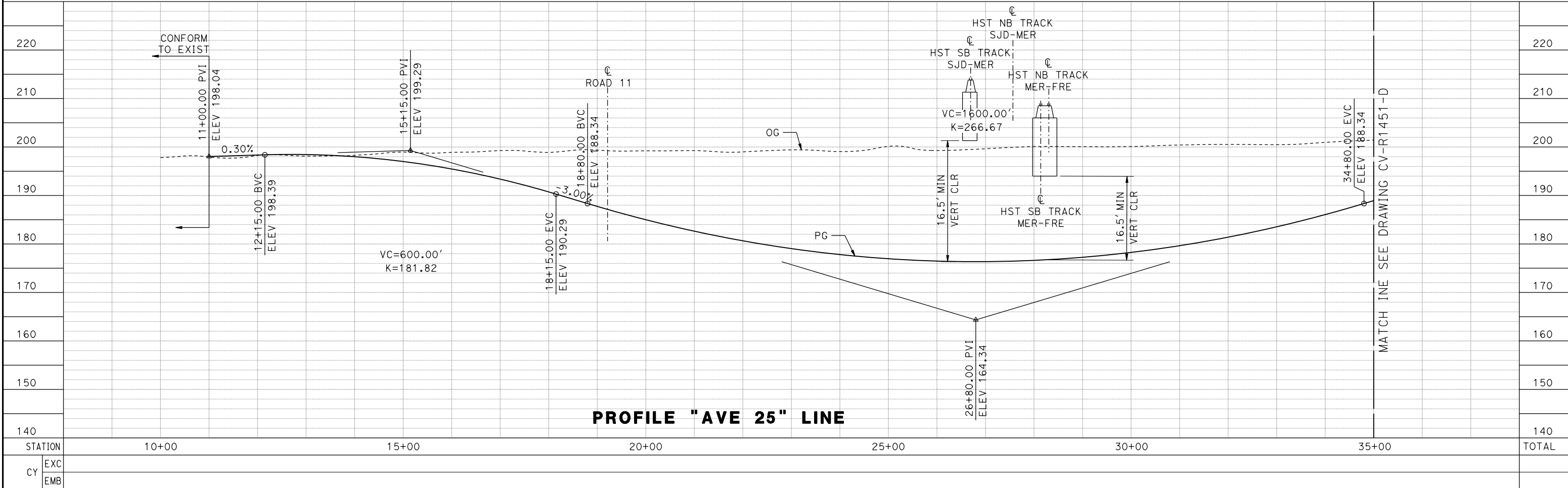
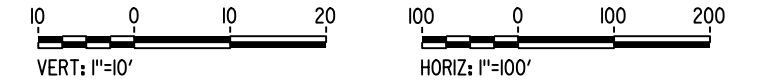
MATCHLINE SEE DRAWING CV-R1451-D



NOTES:

1. AVENUE 25 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 25" LINE

MATCH LINE SEE DRAWING CV-R1451-D

13-AUG-2016 6:22 MF-CV-R1450-D.dgn

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

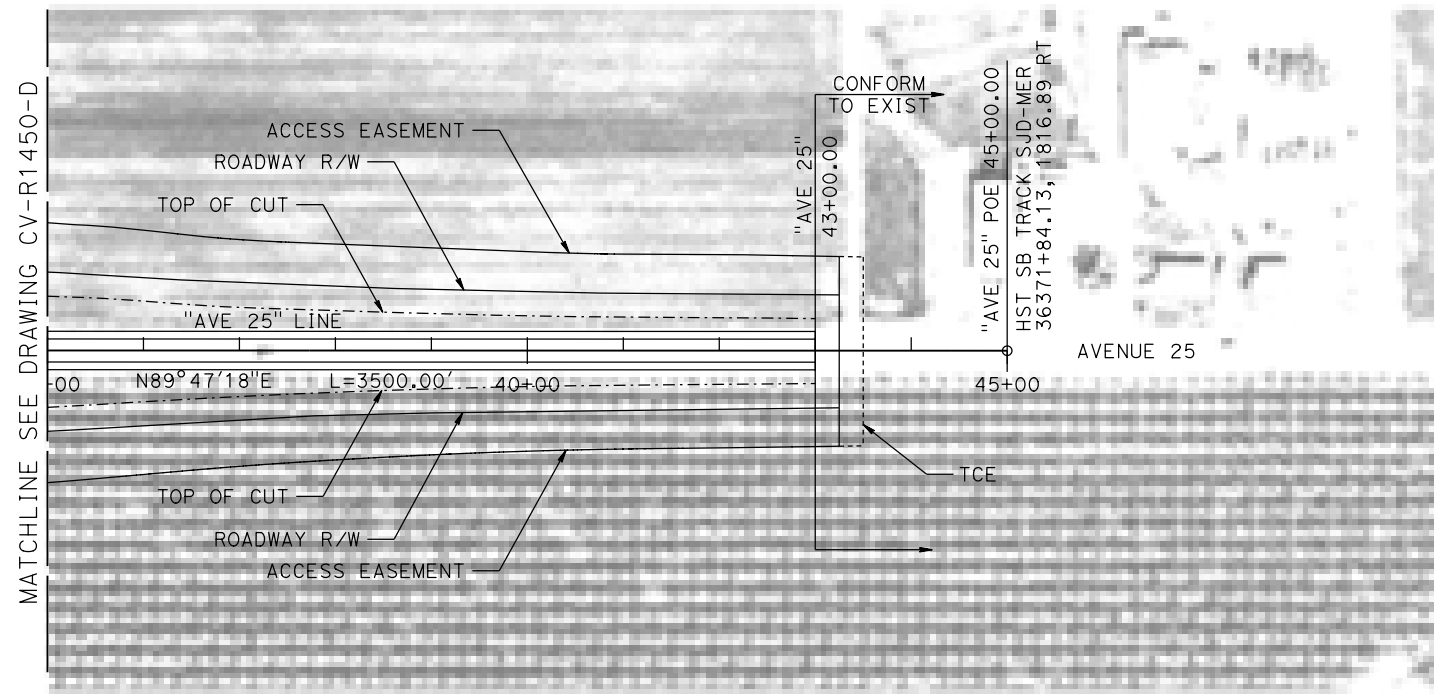
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 25 GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1450-D
SCALE
AS SHOWN
SHEET NO.

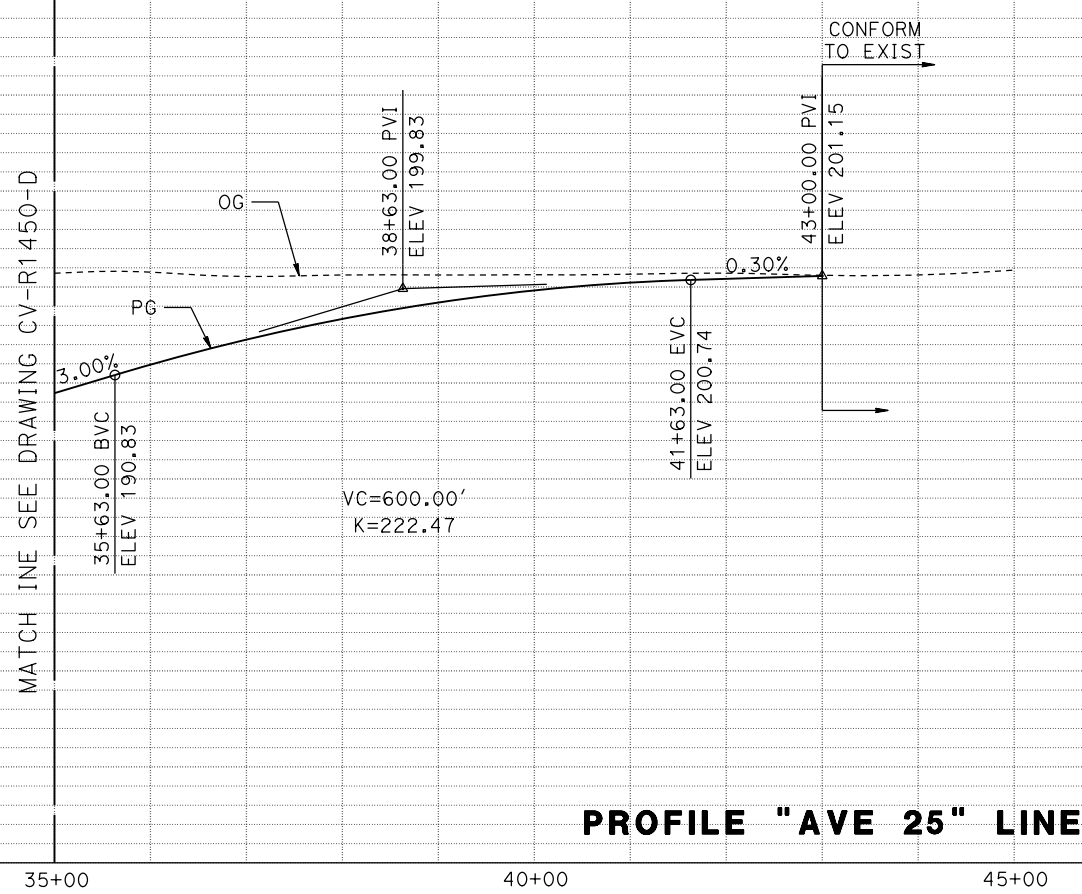
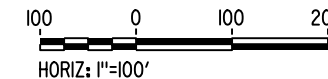
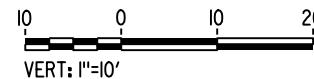
MADERA COUNTY



NOTES:

1. AVENUE 25 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



13-AUG-2016 6:23 MF-CV-R1451-D.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

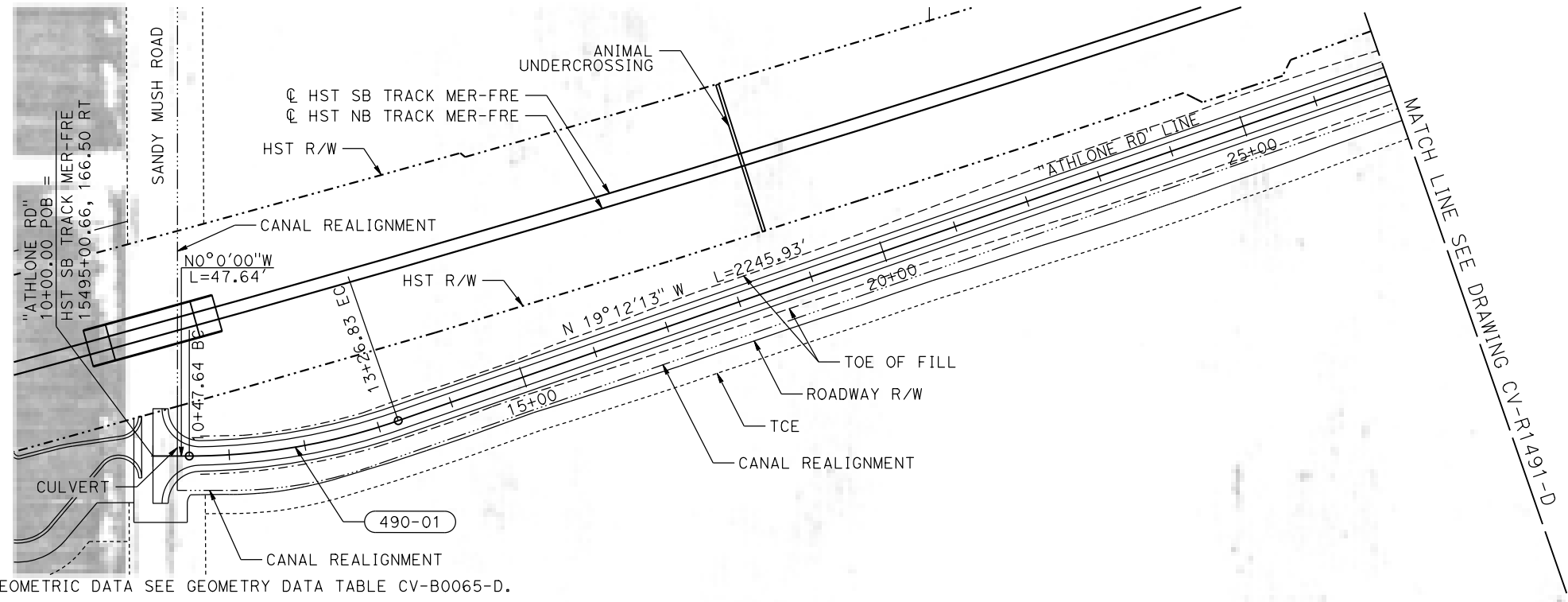
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 25 GRADE SEPARATION

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1451-D
SCALE AS SHOWN
SHEET NO.

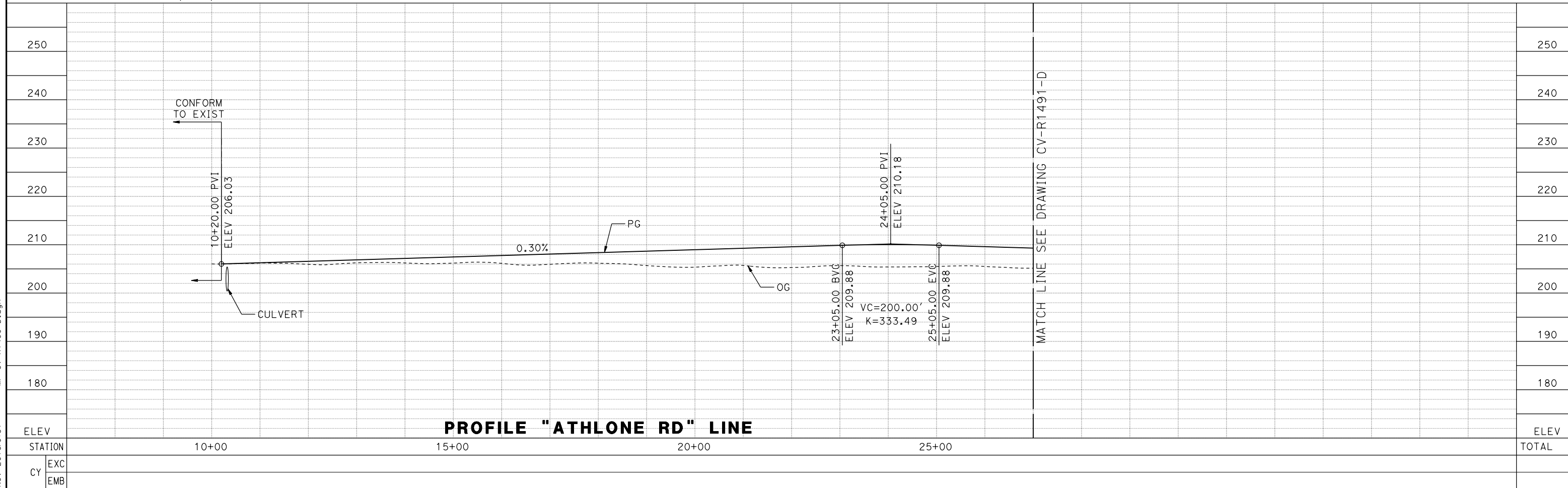
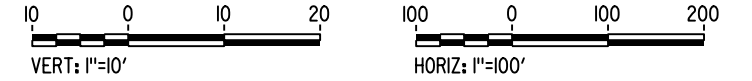
MERCED COUNTY



NOTES:

- FOR GEOMETRIC DATA SEE GEOMETRY DATA TABLE CV-B0065-D.
- ATHLONE ROAD DESIGNED WITH 50 MPH DESIGN SPEED.
- SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "ATHLONE RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
 DRAWN BY
W. JOHNSON
 CHECKED BY
J. RAY
 IN CHARGE
C. LEMLEY
 DATE
11/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

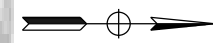
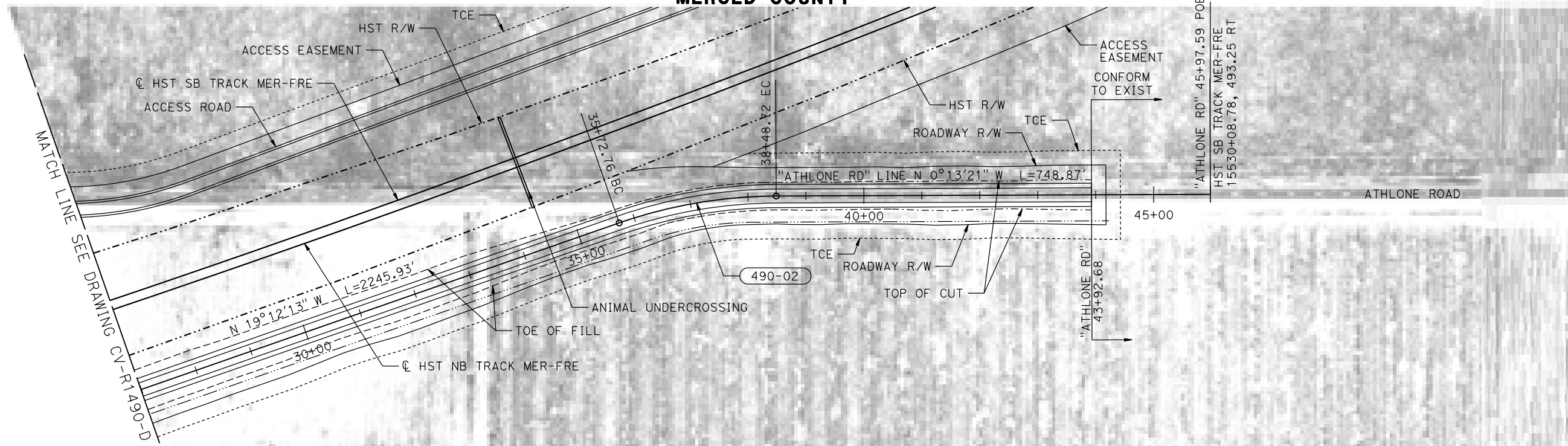


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 PLAN AND PROFILE
 ATHLONE ROAD REALIGNMENT

CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1490-D
 SCALE
AS SHOWN
 SHEET NO.

22-NOV-2016 10:57 MF-CV-R1490-D.dgn

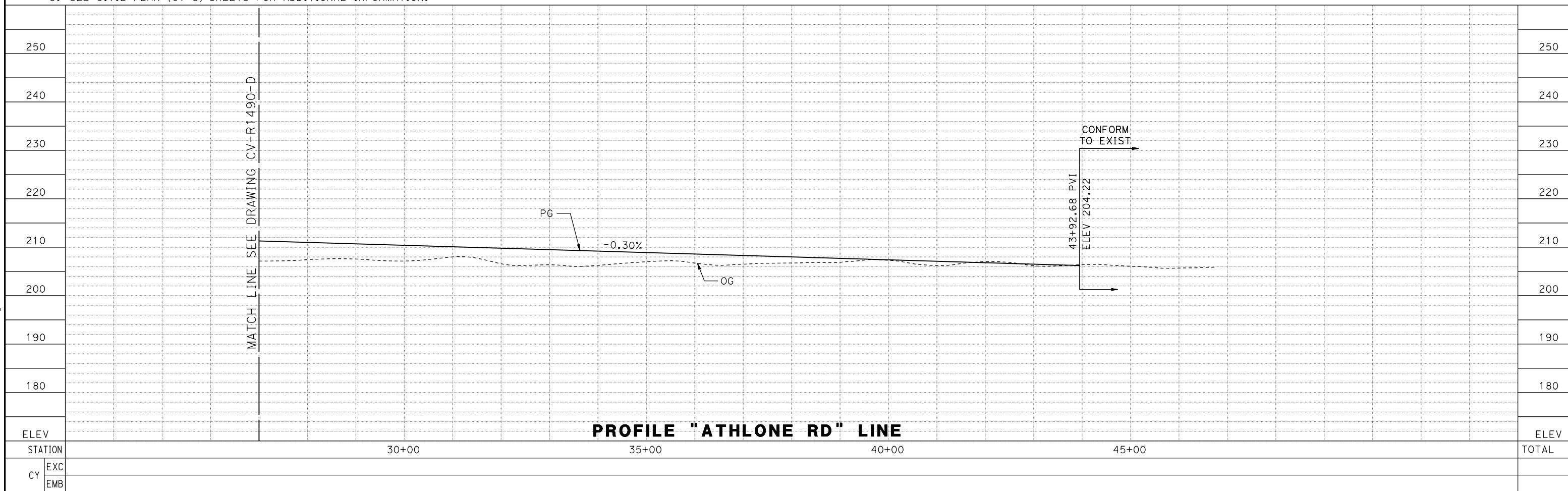
MERCED COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRY DATA TABLE CV-B0065-D.
2. ATHLONE ROAD DESIGNED WITH 50 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "ATHLONE RD" LINE

17-NOV-2016 16:01 MF-CV-R1491-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSEN
CHECKED BY
J. RAY
IN CHARGE
C. LEMLEY
DATE
11/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

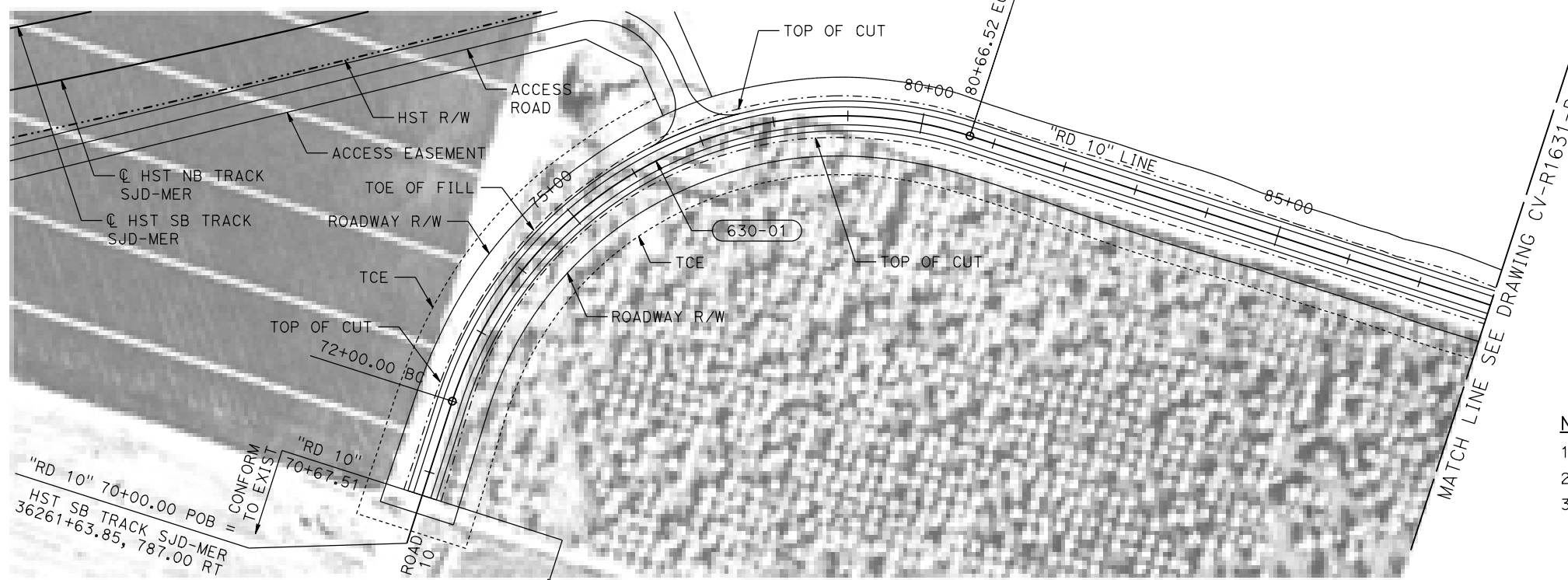
NOT FOR
CONSTRUCTION



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

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

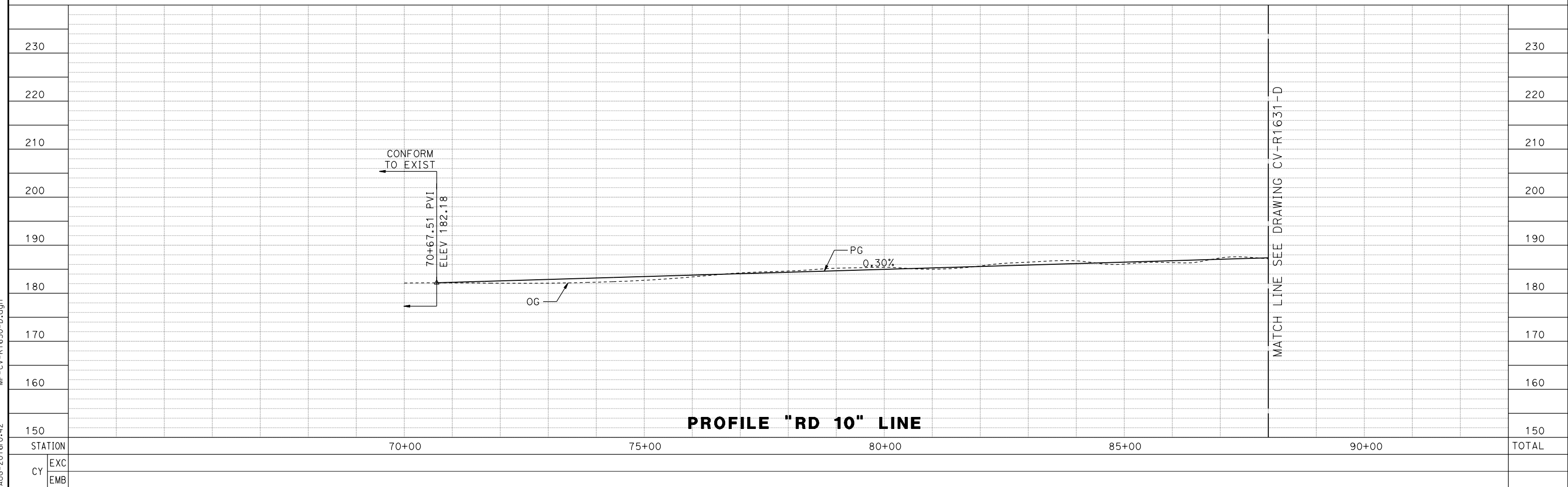
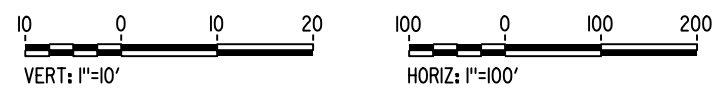
MADERA COUNTY



PLAN

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
2. ROAD 10 DESIGNED WITH 45 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PROFILE "RD 10" LINE

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

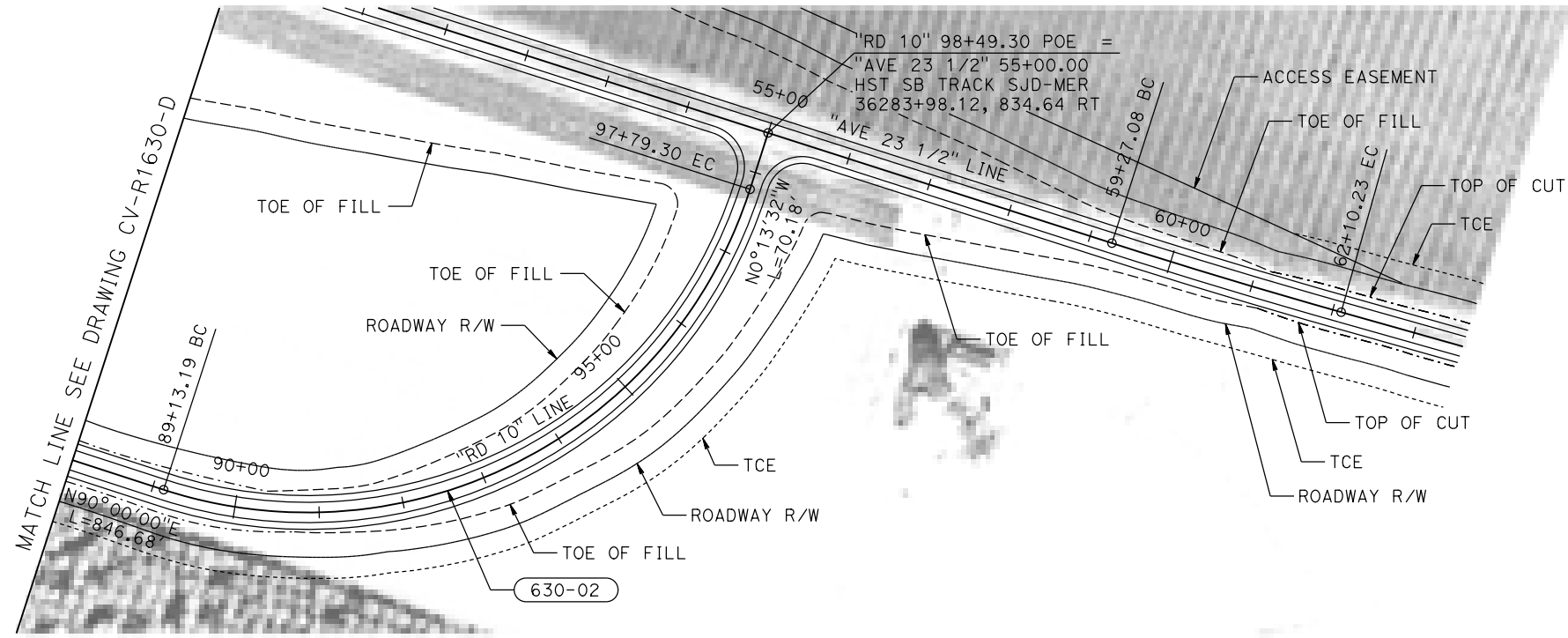


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 10 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1630-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 10:42 MF-CV-R1630-D.dgn

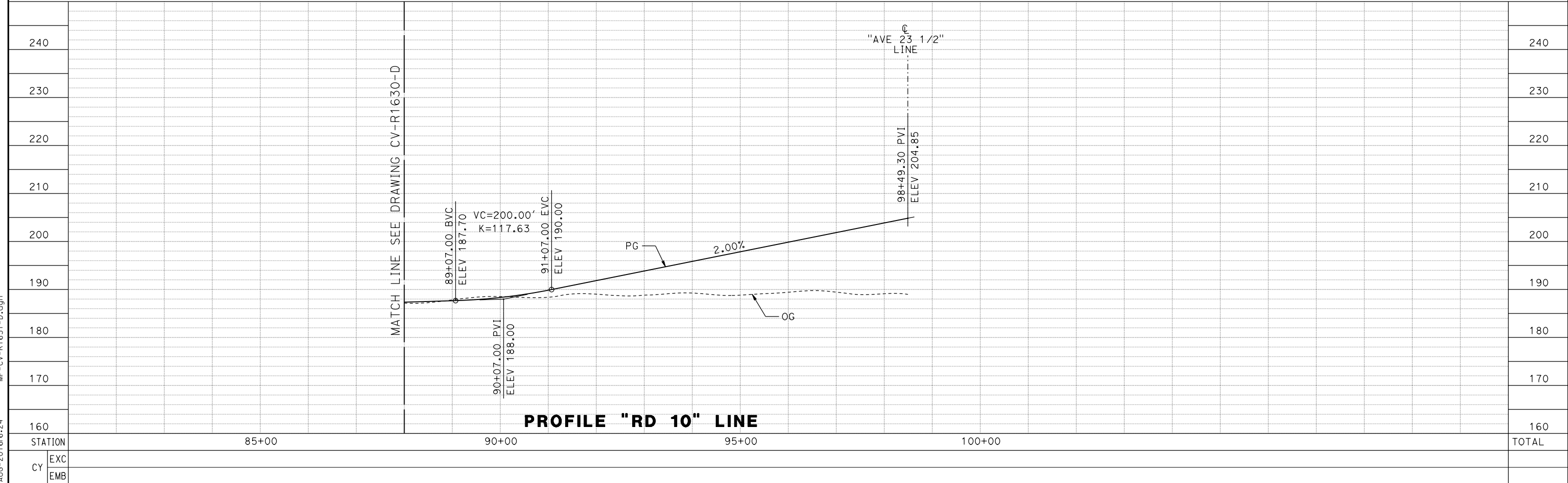
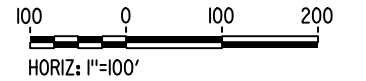
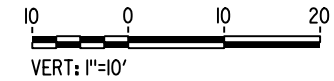
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-D.
2. ROAD 10 DESIGNED WITH 45 MPH DESIGN SPEED.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 10" LINE

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

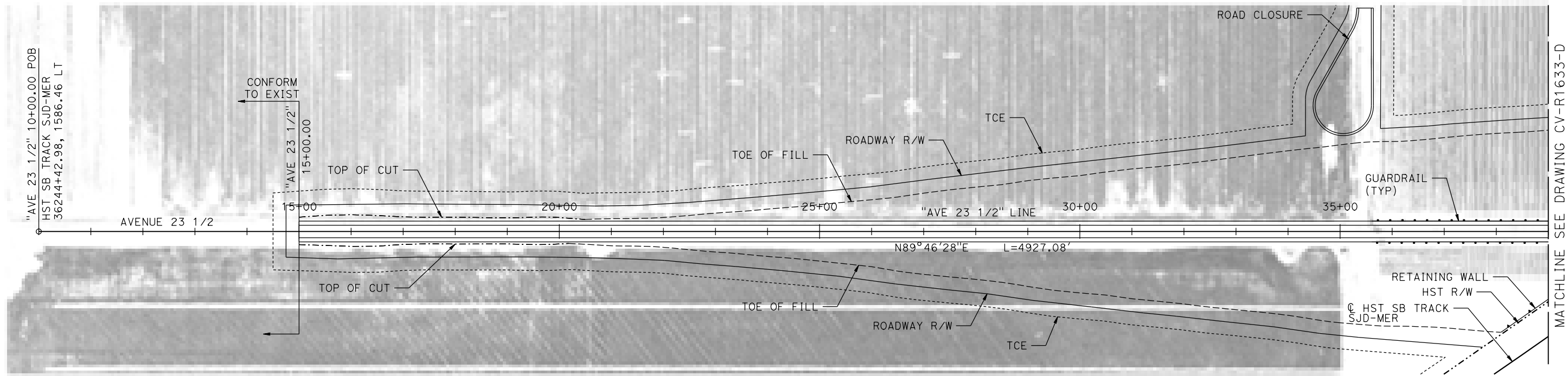


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 10 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1631-D
SCALE
AS SHOWN
SHEET NO.

13-AUG-2016 16:24 MF-CV-R1631-D.dgn

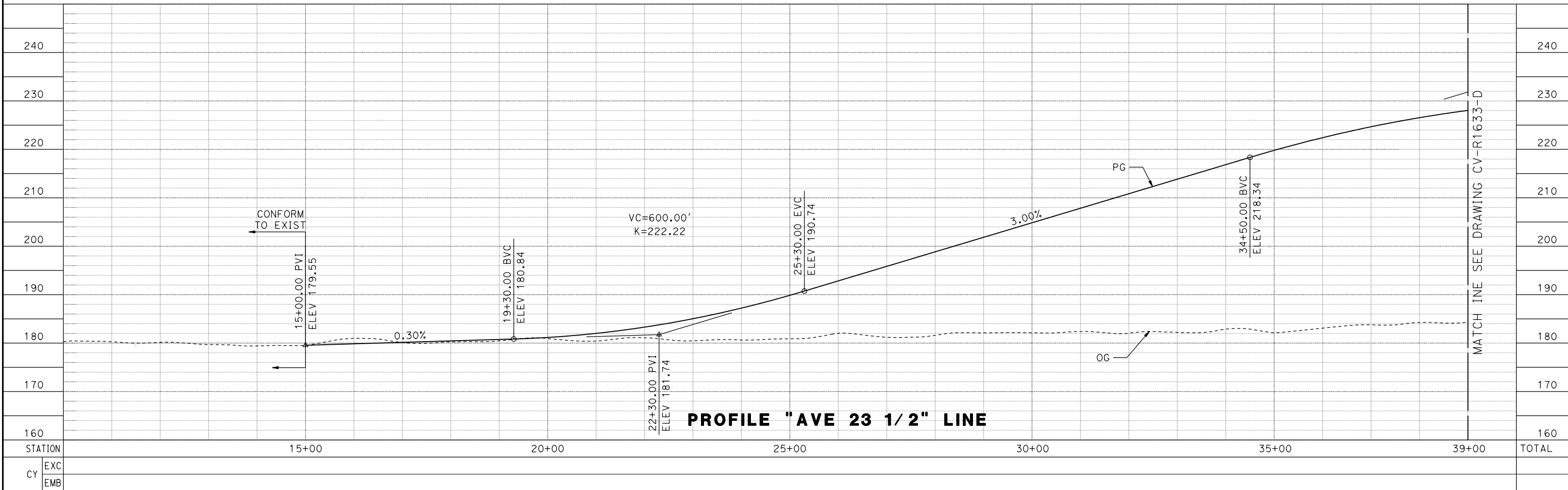
MADERA COUNTY



NOTES:

1. AVENUE 23 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.
2. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "AVE 23 1/2" LINE

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

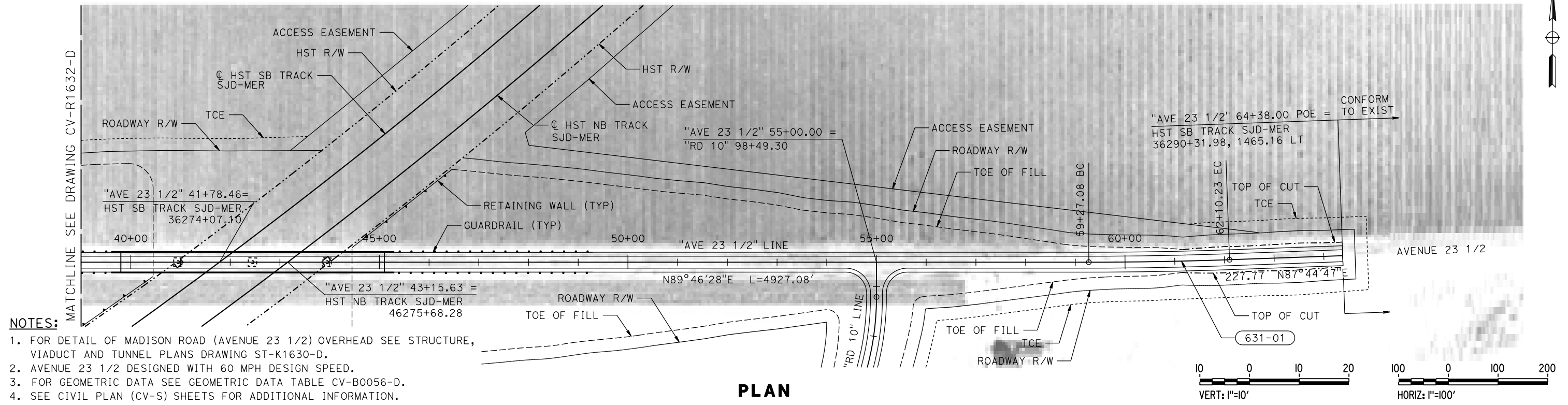


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 23 1/2 GRADE SEPARATION

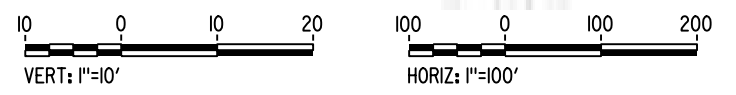
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1632-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 16:31:12 MF-CV-R1632-D.dgn

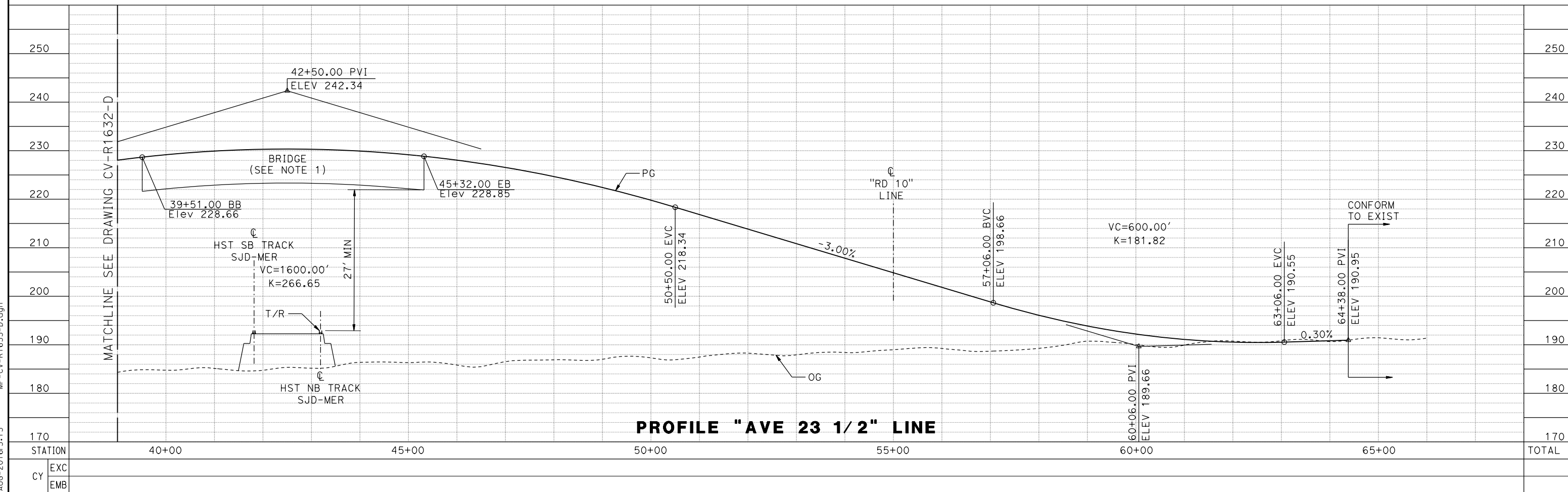
MADERA COUNTY



- NOTES:**
1. FOR DETAIL OF MADISON ROAD (AVENUE 23 1/2) OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1630-D.
 2. AVENUE 23 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.
 3. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0056-D.
 4. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "AVE 23 1/2" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 23 1/2 GRADE SEPARATION

CONTRACT NO.
HSR08-05

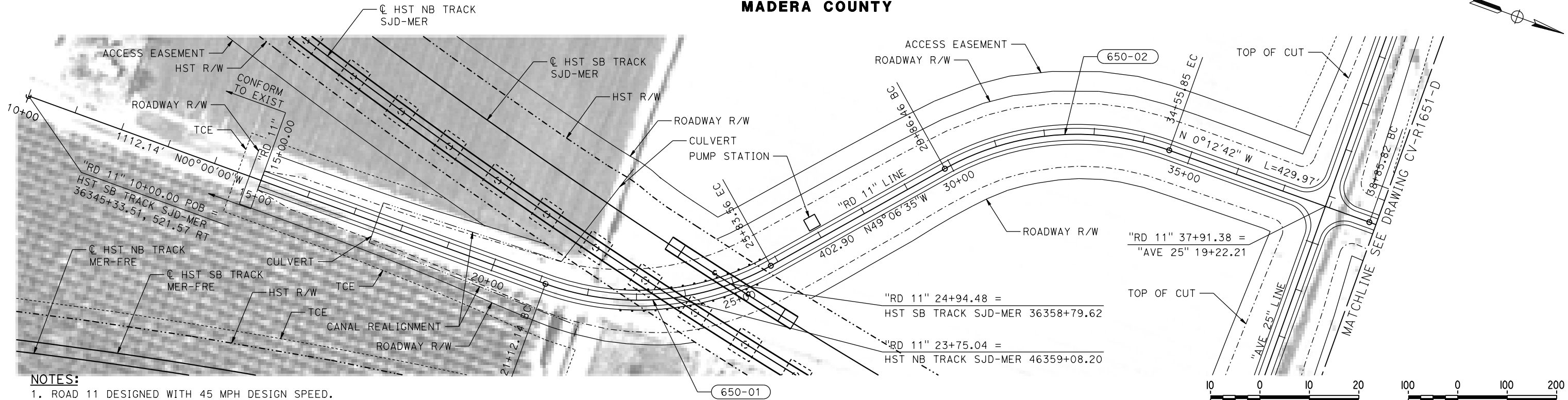
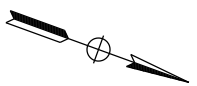
DRAWING NO.
CV-R1633-D

SCALE
AS SHOWN

SHEET NO.

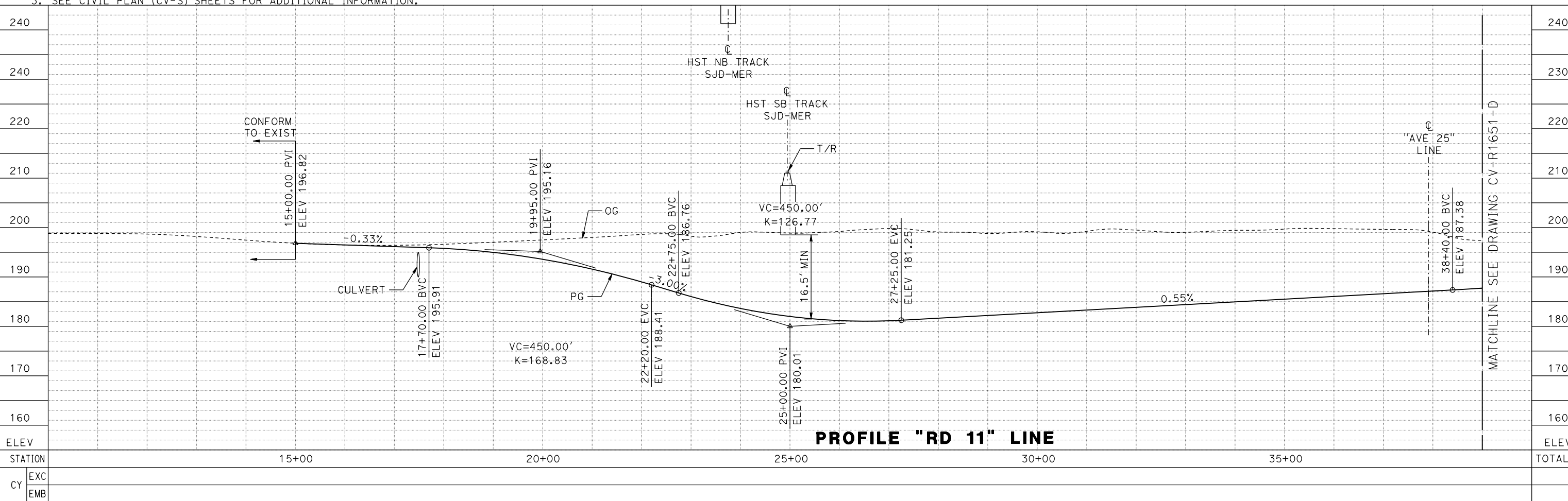
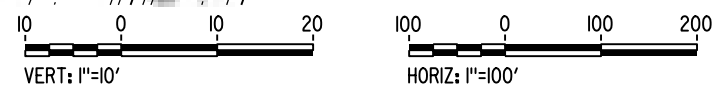
16-AUG-2016 16:31:13 MF-CV-R1633-D.dgn

MADERA COUNTY



- NOTES:**
1. ROAD 11 DESIGNED WITH 45 MPH DESIGN SPEED.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0056-D.
 3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.

PLAN



PROFILE "RD 11" LINE

16-AUG-2016 01:41 MF-CV-R1650-D.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 TRAIN PROJECT
MERCED TO FRESNO SECTION

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

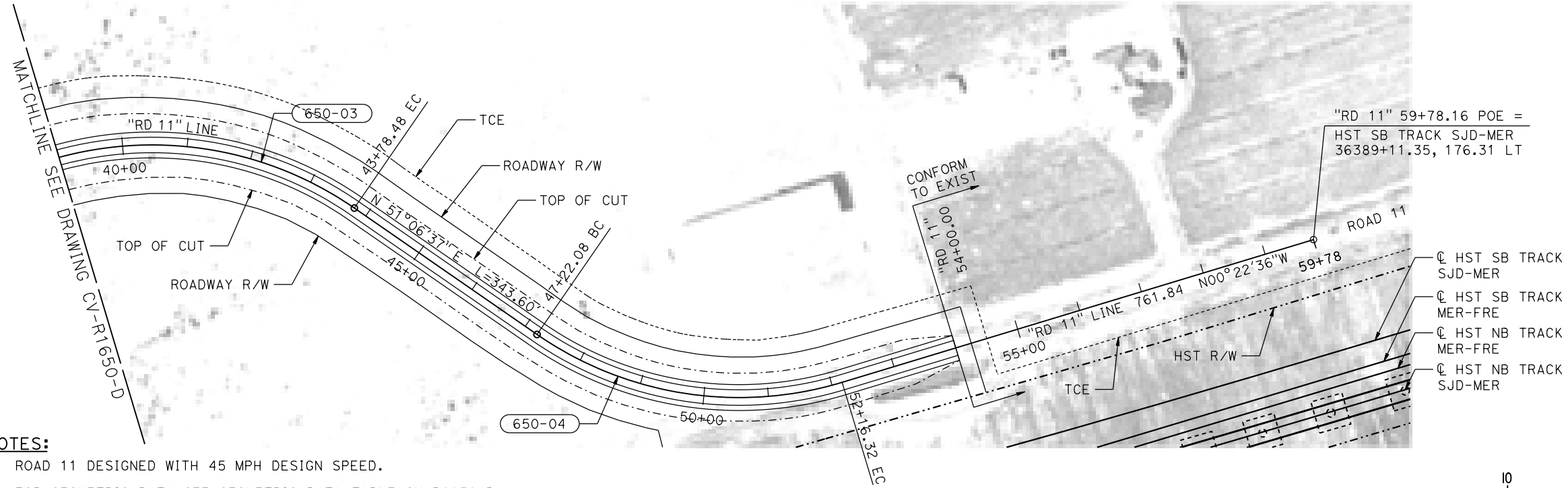
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1650-D

SCALE
AS SHOWN

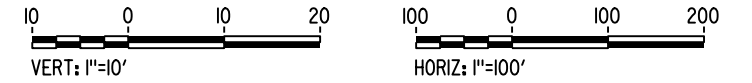
SHEET NO.

MADERA COUNTY

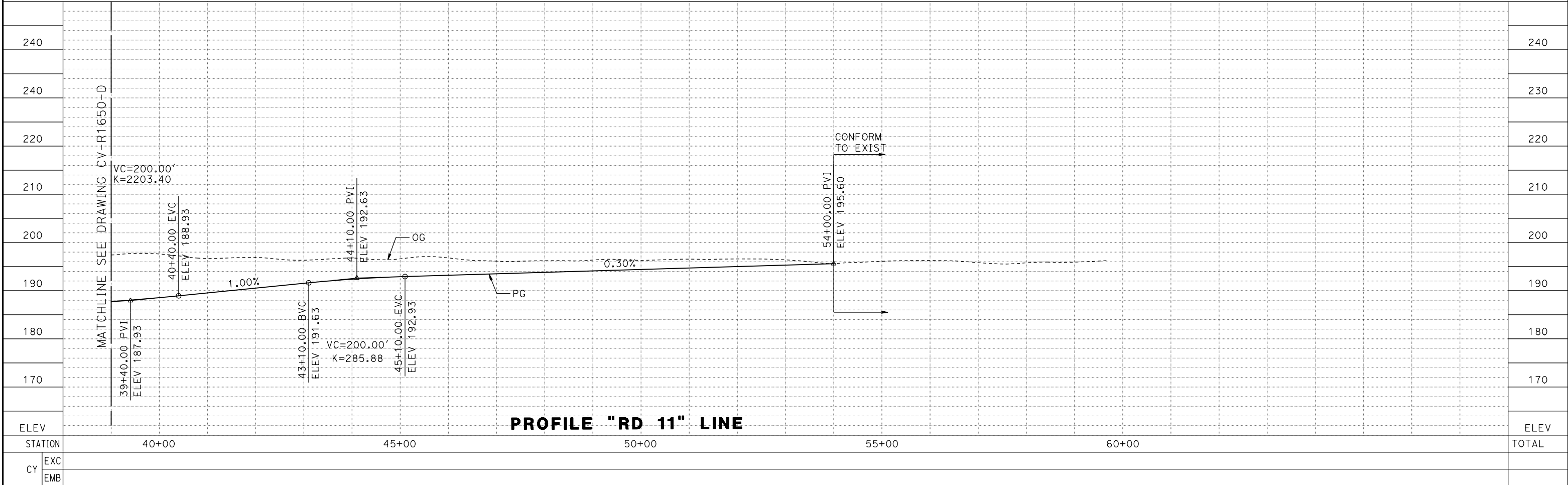


NOTES:

1. ROAD 11 DESIGNED WITH 45 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0056-D.
3. SEE CIVIL PLAN (CV-S) SHEETS FOR ADDITIONAL INFORMATION.



PLAN



PROFILE "RD 11" LINE

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 TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 11 REALIGNMENT

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1651-D
SCALE
AS SHOWN
SHEET NO.

16-AUG-2016 11:04 MF-CV-R1651-D.dgn

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-D TO CV-I4103-D.

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-D TO CV-I4163-D.

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-D TO CV-I4214-D.

ROAD 16 DETOUR:

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

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 9, EB SR 152, THEN NB ROAD 11.
2. DETOUR WB TRAFFIC TO SB ROAD 11, WB SR 152, THEN NB RD 9.
3. RESTORE TRAFFIC TO AVE 23 1/2 UPON COMPLETION OF GRADE SEPARATION WORK.

09-AUG-2016 09:40 MF-CV-10001-D.dgn

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W. JOHNSEN
CHECKED BY
S. ARNOLD
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

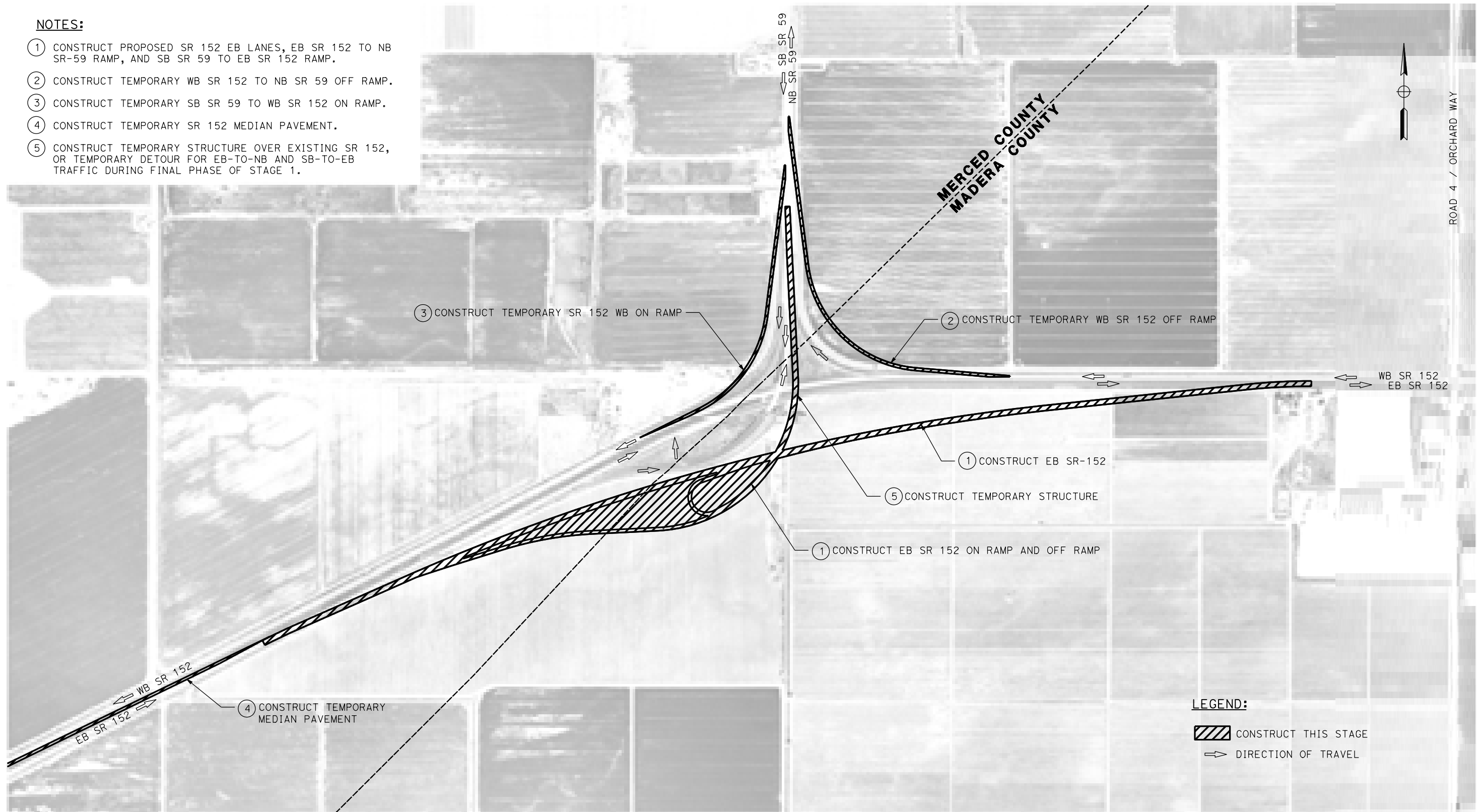


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
GENERAL NOTES

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-10001-D
SCALE
NO SCALE
SHEET NO.

NOTES:

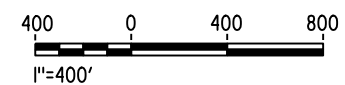
- ① CONSTRUCT PROPOSED SR 152 EB LANES, EB SR 152 TO NB SR-59 RAMP, AND SB SR 59 TO EB SR 152 RAMP.
- ② CONSTRUCT TEMPORARY WB SR 152 TO NB SR 59 OFF RAMP.
- ③ CONSTRUCT TEMPORARY SB SR 59 TO WB SR 152 ON RAMP.
- ④ CONSTRUCT TEMPORARY SR 152 MEDIAN PAVEMENT.
- ⑤ CONSTRUCT TEMPORARY STRUCTURE OVER EXISTING 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



09-AUG-2016 09:41 MF-CV-14100-D.dgn

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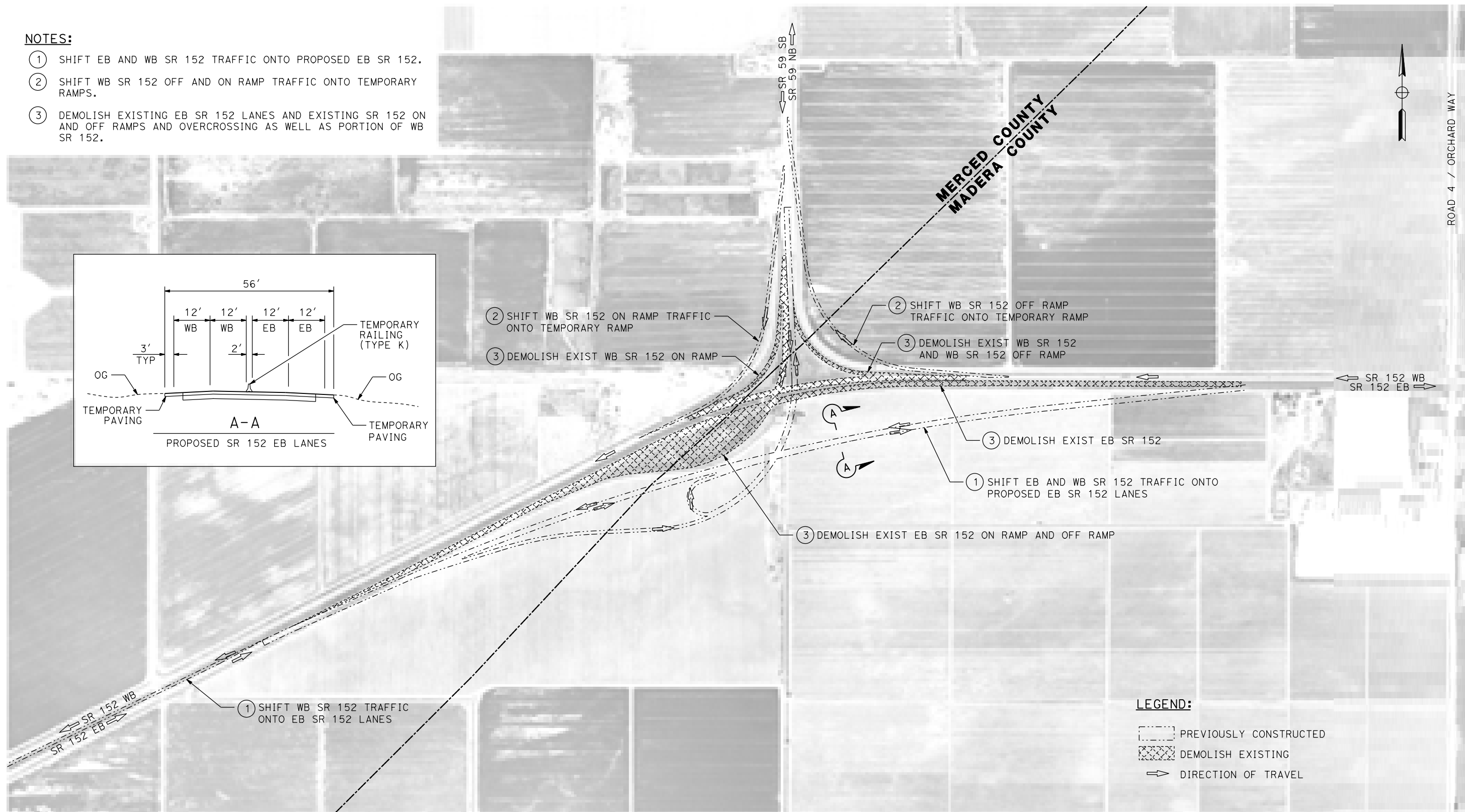
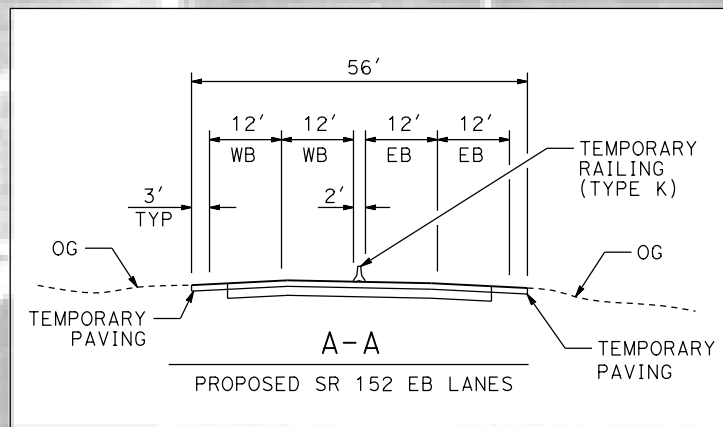


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 1 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14100-D
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

LEGEND:

- PREVIOUSLY CONSTRUCTED
- DEMOLISH EXISTING
- DIRECTION OF TRAVEL

09-AUG-2016 09:42 MF-CV-14101-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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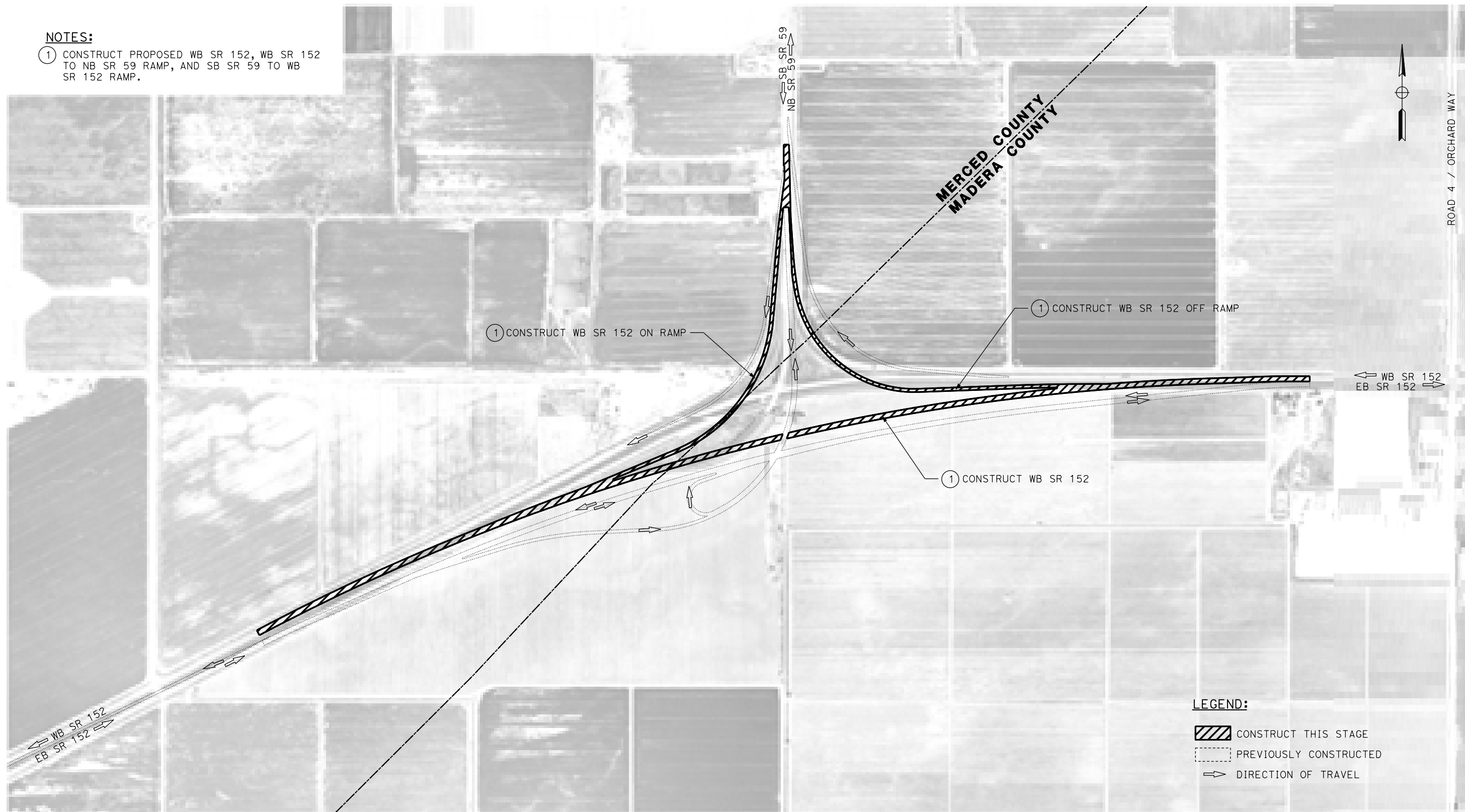


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 2 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14101-D
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

09-AUG-2016 09:42 MF-CV-14102-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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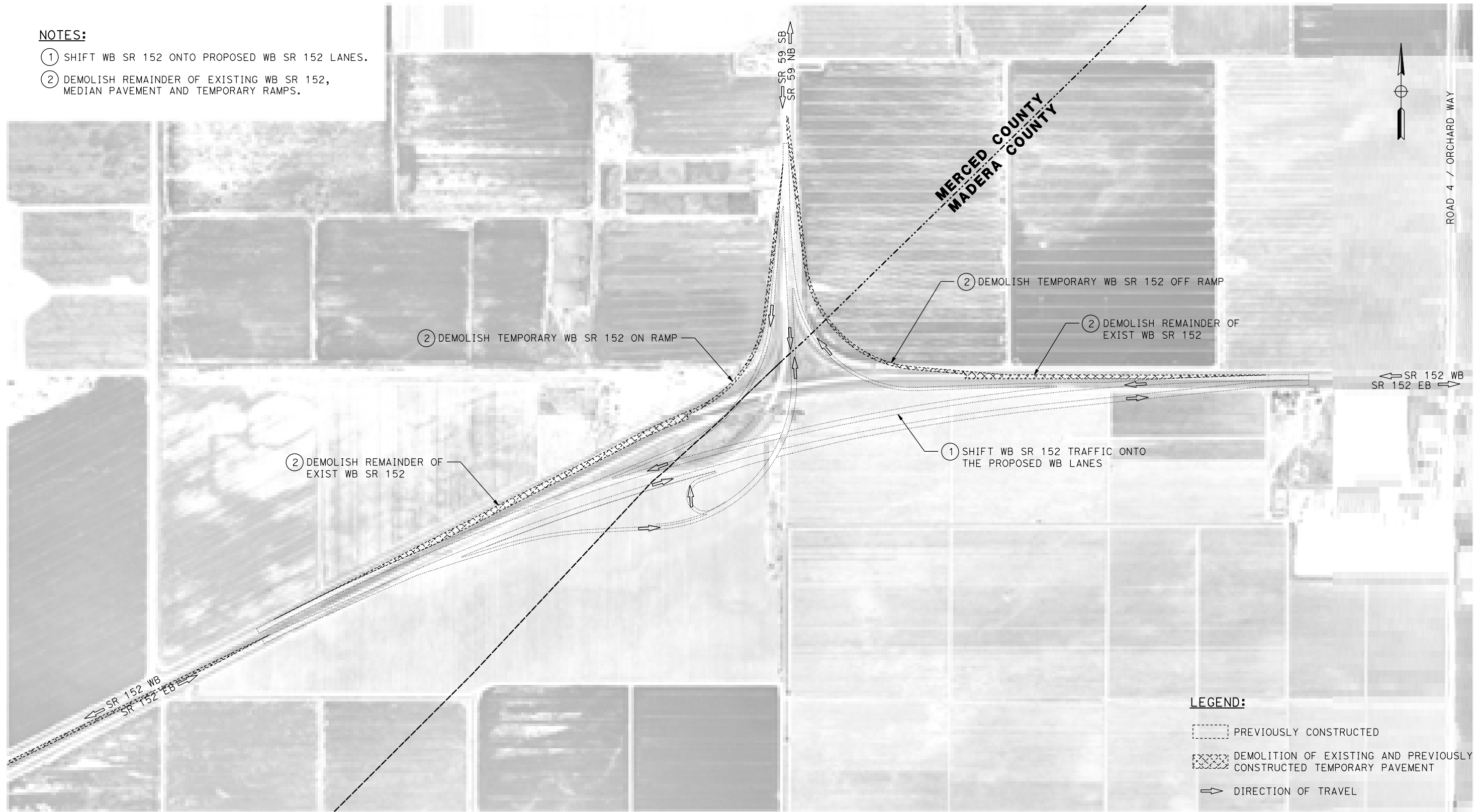


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 3 OF 4

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

NOTES:

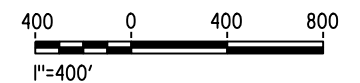
- ① SHIFT WB SR 152 ONTO PROPOSED WB SR 152 LANES.
- ② DEMOLISH REMAINDER OF EXISTING WB SR 152, MEDIAN PAVEMENT AND TEMPORARY RAMPS.



PLAN

LEGEND:

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



09-AUG-2016 09:43 MF-CV-14103-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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C. LEMLEY

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 4 OF 4

CONTRACT NO.
HSR08-05

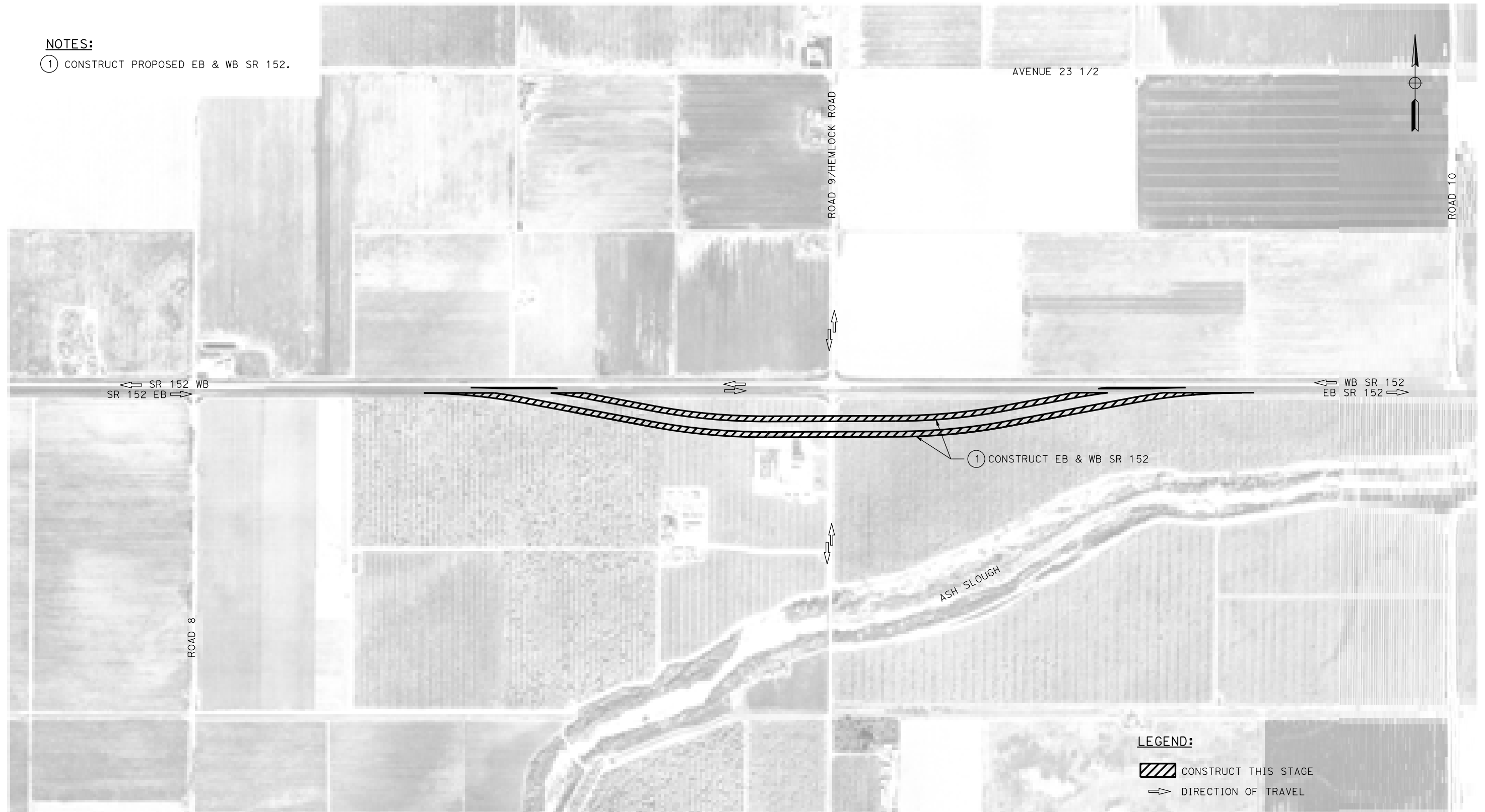
DRAWING NO.
CV-14103-D

SCALE
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SHEET NO.

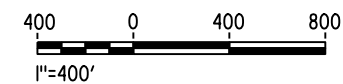
NOTES:

① CONSTRUCT PROPOSED EB & WB SR 152.



LEGEND:

- CONSTRUCT THIS STAGE
- DIRECTION OF TRAVEL



PLAN

09-AUG-2016 09:43 MF-CV-14160-D.dgn

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C. LEMLEY

DATE
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 1 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-14160-D

SCALE
AS SHOWN

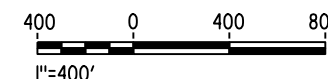
SHEET NO.

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



09-AUG-2016 09:45 MF-CV-14161-D.dgn

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DATE
08/12/2016

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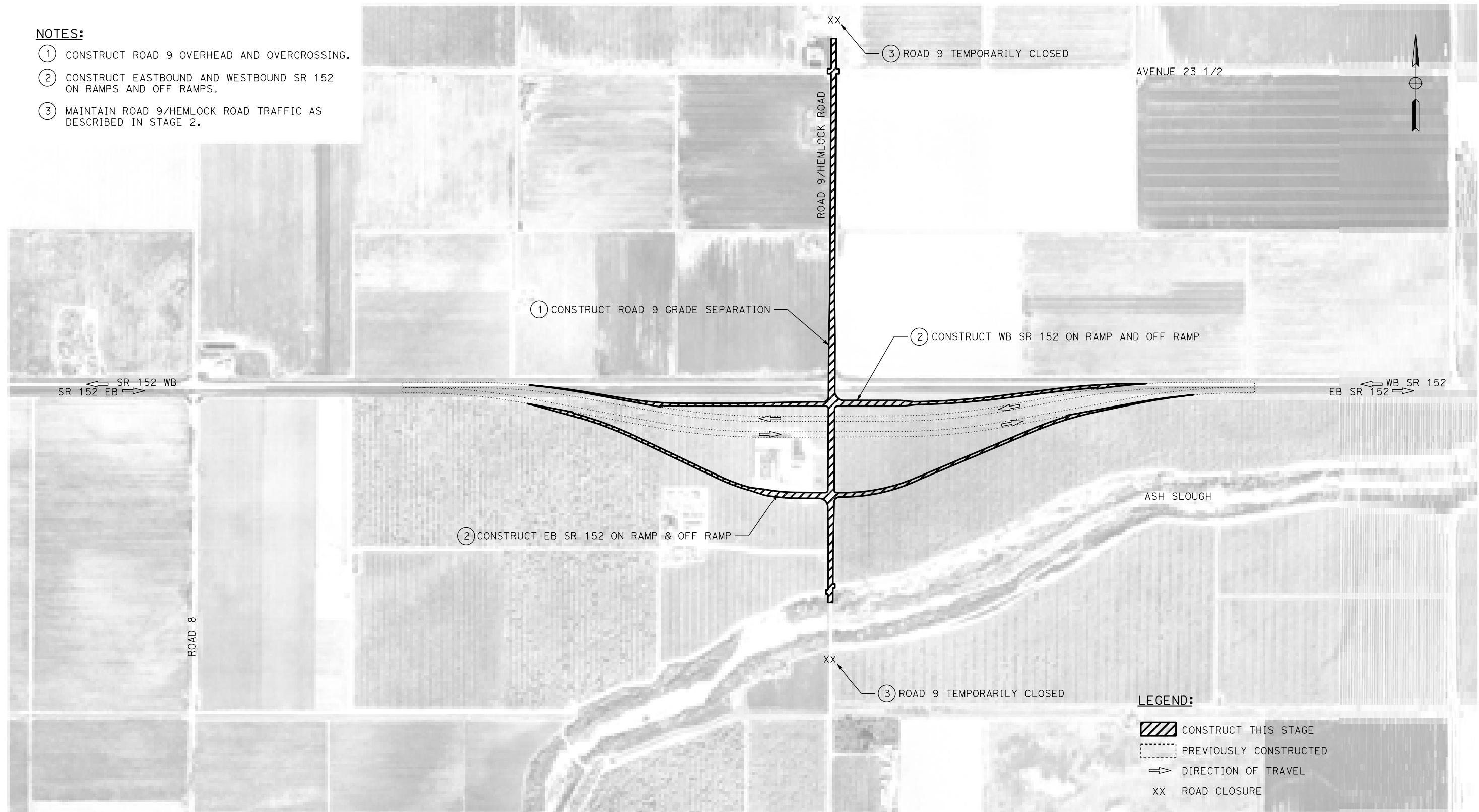


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 2 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14161-D
SCALE
AS SHOWN
SHEET NO.

NOTES:

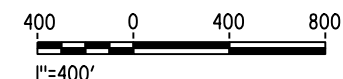
- ① CONSTRUCT ROAD 9 OVERHEAD AND OVERCROSSING.
- ② CONSTRUCT EASTBOUND AND WESTBOUND SR 152 ON RAMP AND OFF RAMP.
- ③ MAINTAIN ROAD 9/HEMLOCK ROAD TRAFFIC AS DESCRIBED IN STAGE 2.



LEGEND:

- CONSTRUCT THIS STAGE
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL
- ROAD CLOSURE

PLAN



09-AUG-2016 09:45 MF-CV-14162-D.dgn

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DATE
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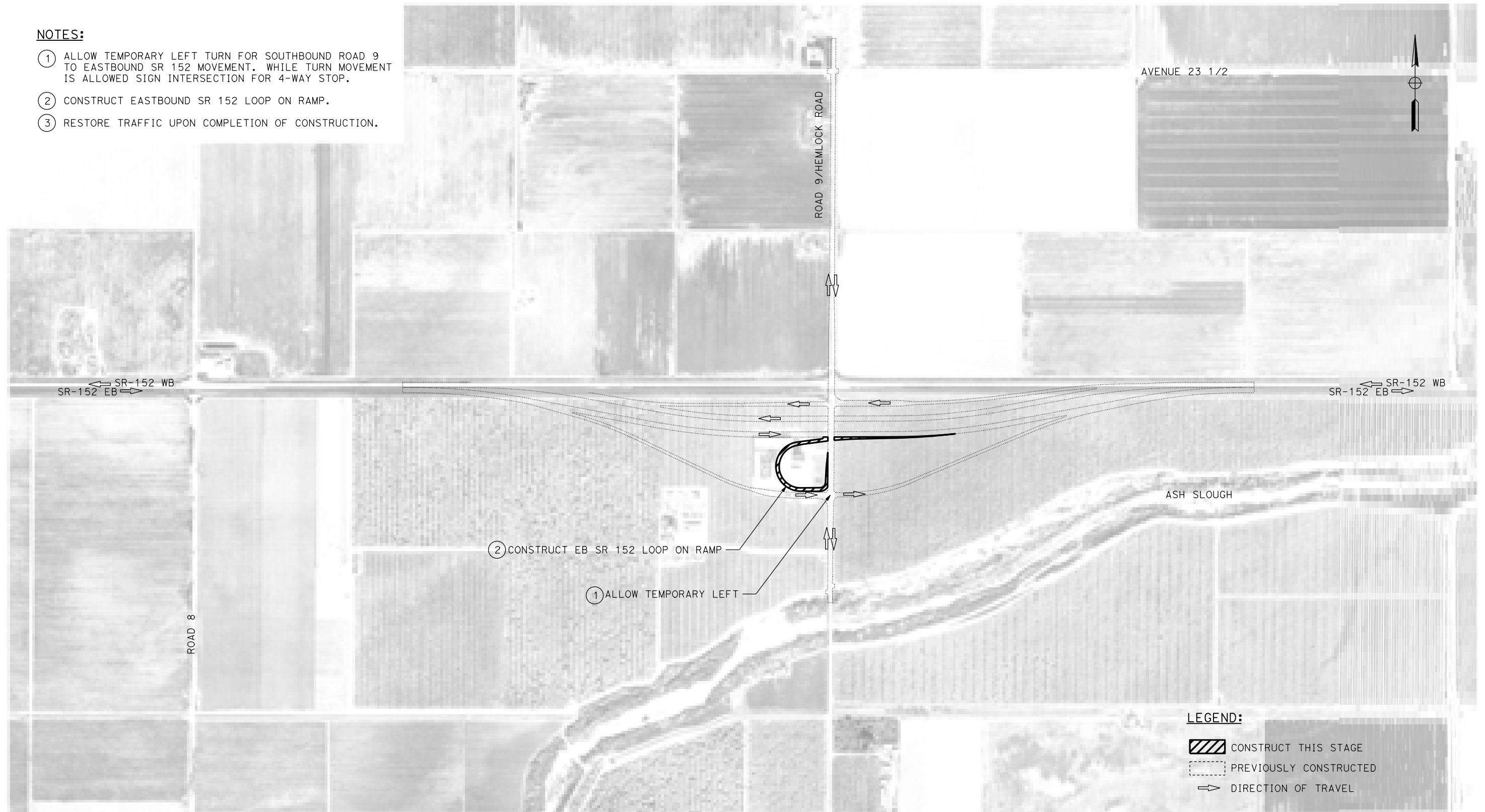


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 3 OF 4

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

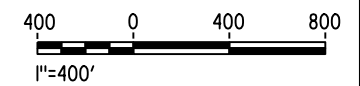
NOTES:

- 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.



LEGEND:

- CONSTRUCT THIS STAGE
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL



PLAN

09-AUG-2016 09:46 MF-CV-14163-D.dgn

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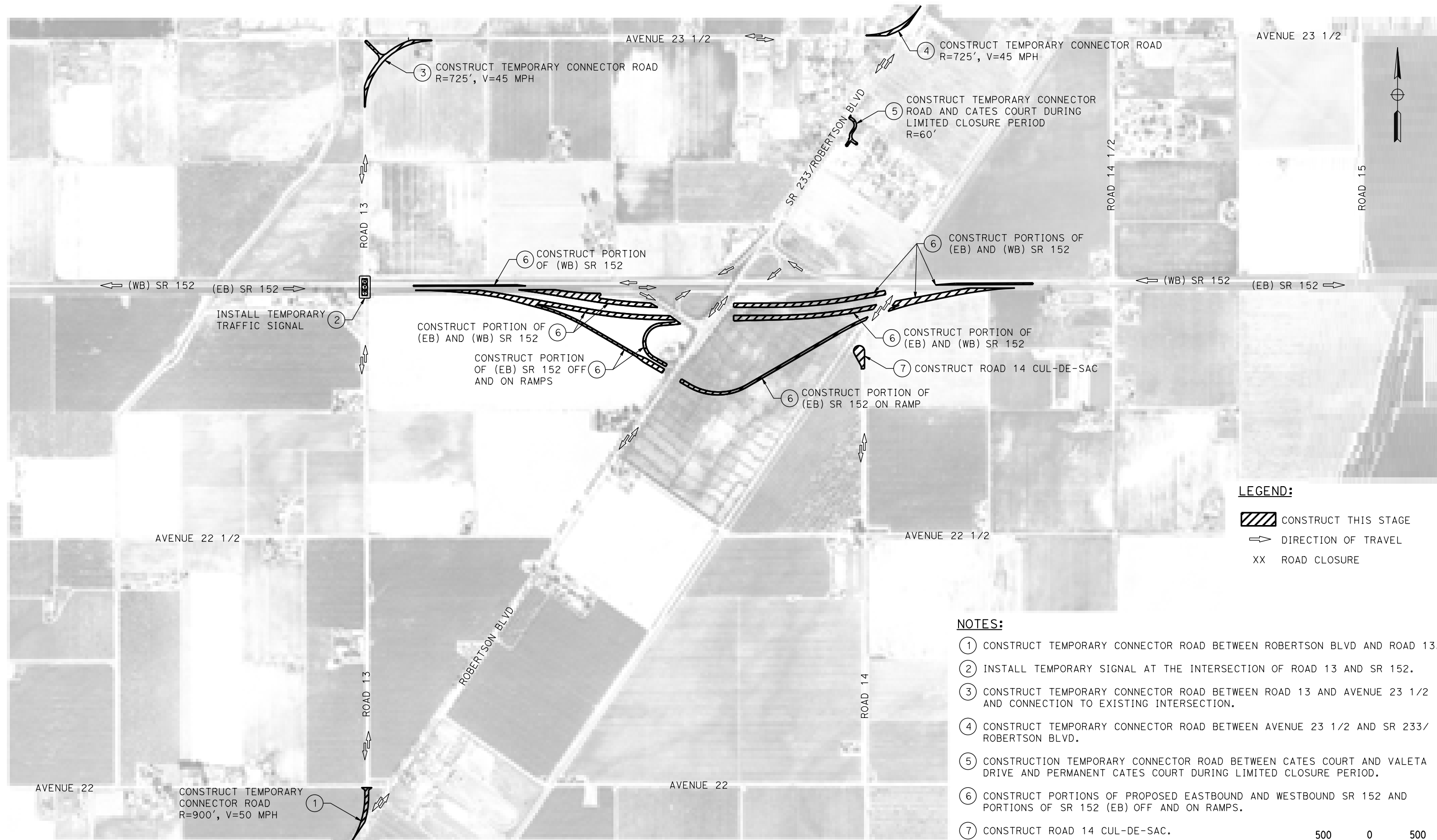
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 4 OF 4

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



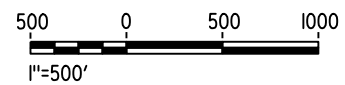
PLAN

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 RAMPS.
- ⑦ CONSTRUCT ROAD 14 CUL-DE-SAC.

LEGEND:

- CONSTRUCT THIS STAGE
- DIRECTION OF TRAVEL
- ROAD CLOSURE



09-AUG-2016 09:46 MF-CV-14210-D.dgn

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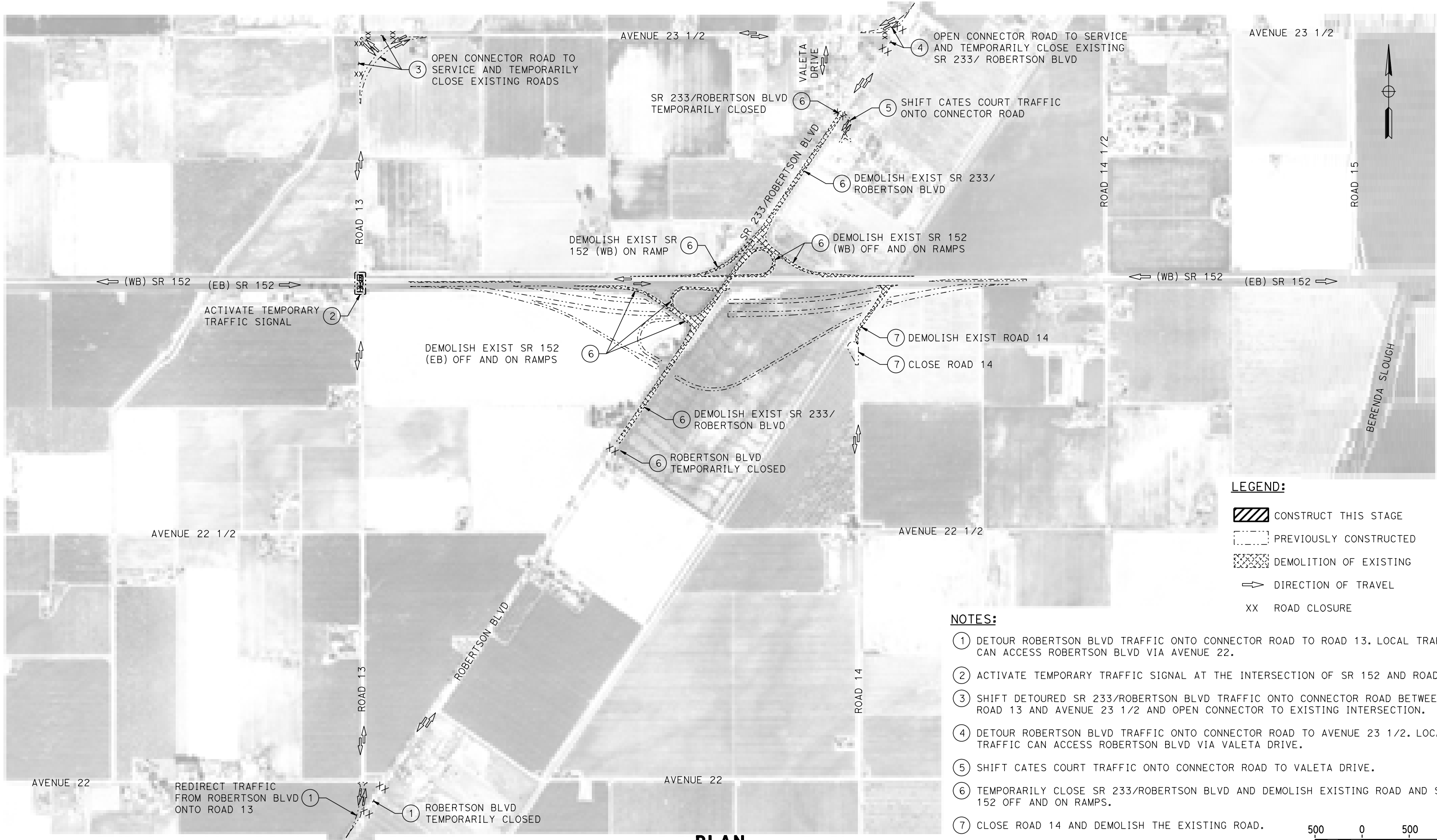
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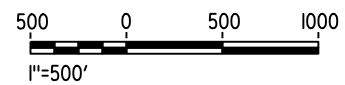
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 1 OF 5

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



- LEGEND:**
- CONSTRUCT THIS STAGE
 - PREVIOUSLY CONSTRUCTED
 - DEMOLITION OF EXISTING
 - DIRECTION OF TRAVEL
 - ROAD CLOSURE

- NOTES:**
- ① DETOUR ROBERTSON BLVD TRAFFIC ONTO CONNECTOR ROAD TO ROAD 13. LOCAL TRAFFIC CAN ACCESS ROBERTSON BLVD VIA AVENUE 22.
 - ② ACTIVATE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF SR 152 AND ROAD 13.
 - ③ SHIFT DETOURED SR 233/ROBERTSON BLVD TRAFFIC ONTO CONNECTOR ROAD BETWEEN ROAD 13 AND AVENUE 23 1/2 AND OPEN CONNECTOR TO EXISTING INTERSECTION.
 - ④ DETOUR ROBERTSON BLVD TRAFFIC ONTO CONNECTOR ROAD TO AVENUE 23 1/2. LOCAL TRAFFIC CAN ACCESS ROBERTSON BLVD VIA VALETA DRIVE.
 - ⑤ SHIFT CATES COURT TRAFFIC ONTO CONNECTOR ROAD TO VALETA DRIVE.
 - ⑥ TEMPORARILY CLOSE SR 233/ROBERTSON BLVD AND DEMOLISH EXISTING ROAD AND SR 152 OFF AND ON RAMPS.
 - ⑦ CLOSE ROAD 14 AND DEMOLISH THE EXISTING ROAD.



PLAN

09-AUG-2016 09:47 MF-CV-14211-D.dgn

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

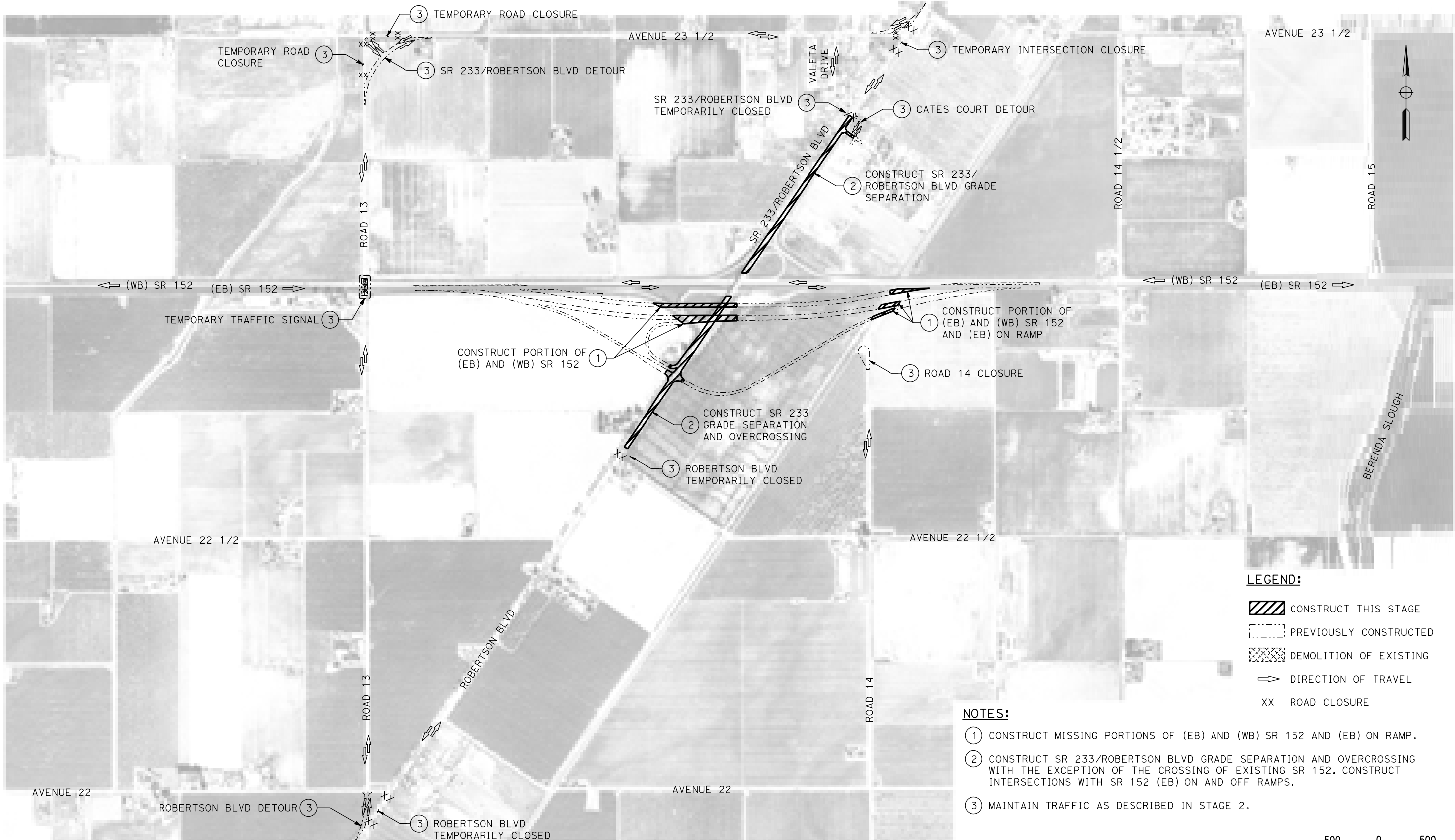
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 2 OF 5

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-14211-D

SCALE
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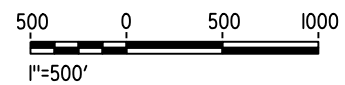
SHEET NO.



PLAN

- LEGEND:**
- CONSTRUCT THIS STAGE
 - PREVIOUSLY CONSTRUCTED
 - DEMOLITION OF EXISTING
 - DIRECTION OF TRAVEL
 - ROAD CLOSURE

- NOTES:**
- ① CONSTRUCT MISSING PORTIONS OF (EB) AND (WB) SR 152 AND (EB) ON RAMP.
 - ② CONSTRUCT SR 233/ROBERTSON BLVD GRADE SEPARATION AND OVERCROSSING WITH THE EXCEPTION OF THE CROSSING OF EXISTING SR 152. CONSTRUCT INTERSECTIONS WITH SR 152 (EB) ON AND OFF RAMPS.
 - ③ MAINTAIN TRAFFIC AS DESCRIBED IN STAGE 2.



09-AUG-2016 09:48 MF-CV-14212-D.dgn

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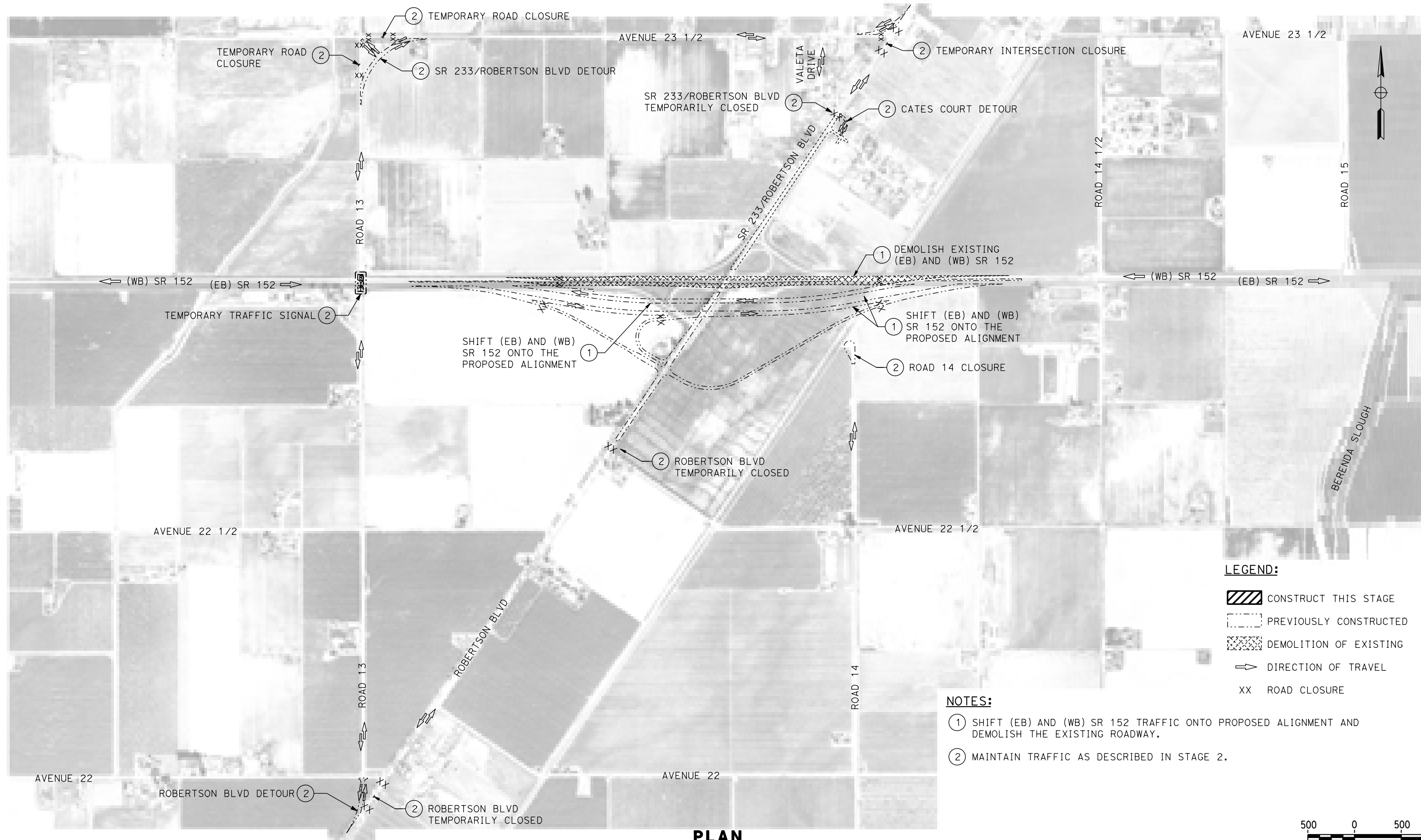
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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 3 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14212-D
SCALE
AS SHOWN
SHEET NO.



PLAN

LEGEND:

-  CONSTRUCT THIS STAGE
-  PREVIOUSLY CONSTRUCTED
-  DEMOLITION OF EXISTING
-  DIRECTION OF TRAVEL
-  ROAD CLOSURE

NOTES:

- ① SHIFT (EB) AND (WB) SR 152 TRAFFIC ONTO PROPOSED ALIGNMENT AND DEMOLISH THE EXISTING ROADWAY.
- ② MAINTAIN TRAFFIC AS DESCRIBED IN STAGE 2.

09-AUG-2016 09:48 MF-CV-14213-D.dgn

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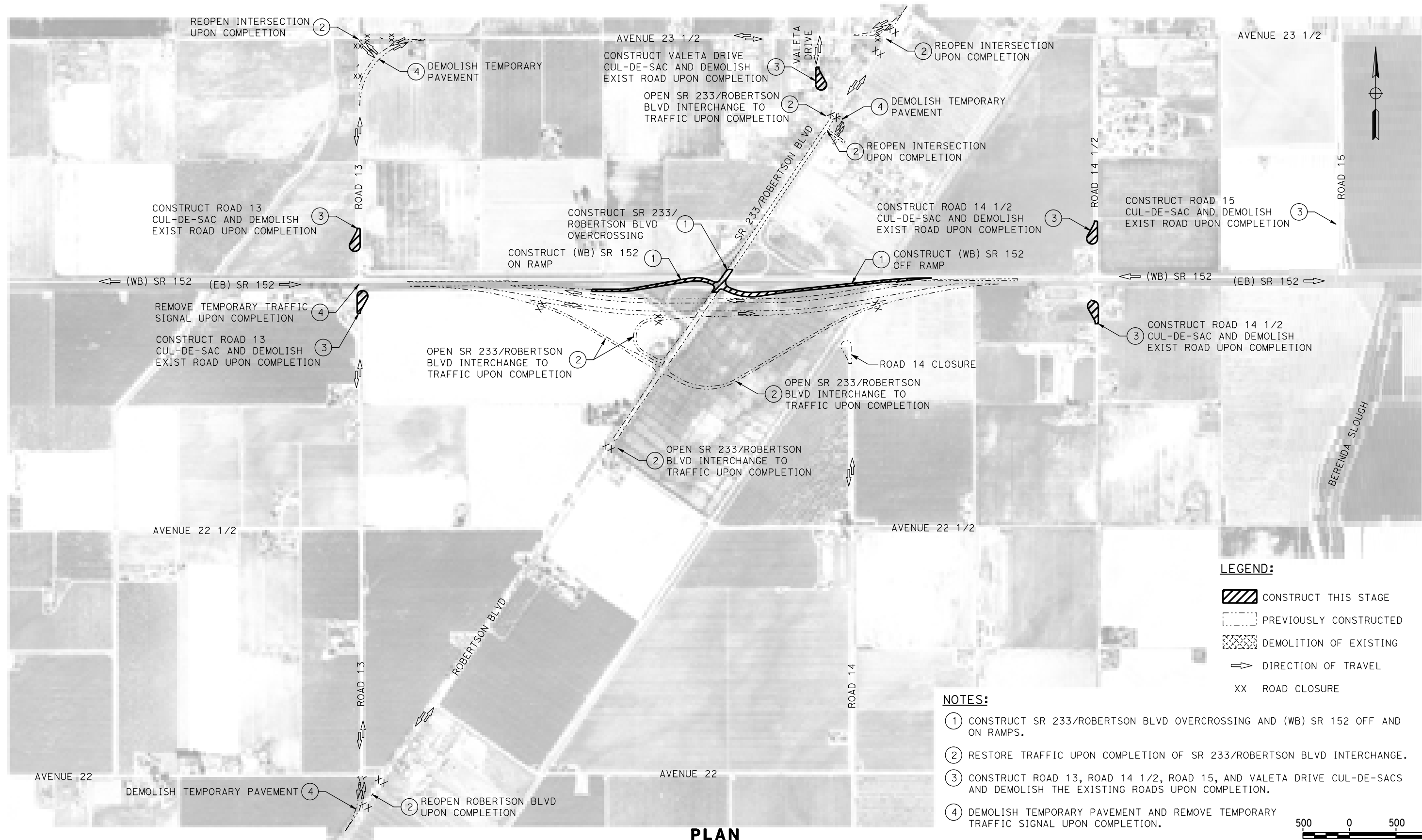
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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 4 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14213-D
SCALE
AS SHOWN
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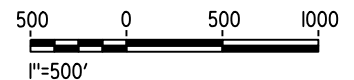
PLAN

LEGEND:

-  CONSTRUCT THIS STAGE
-  PREVIOUSLY CONSTRUCTED
-  DEMOLITION OF EXISTING
-  DIRECTION OF TRAVEL
-  ROAD CLOSURE

NOTES:

- ① CONSTRUCT SR 233/ROBERTSON BLVD OVERCROSSING AND (WB) SR 152 OFF AND ON RAMP.
- ② RESTORE TRAFFIC UPON COMPLETION OF SR 233/ROBERTSON BLVD INTERCHANGE.
- ③ CONSTRUCT ROAD 13, ROAD 14 1/2, ROAD 15, AND VALETA DRIVE CUL-DE-SACS AND DEMOLISH THE EXISTING ROADS UPON COMPLETION.
- ④ DEMOLISH TEMPORARY PAVEMENT AND REMOVE TEMPORARY TRAFFIC SIGNAL UPON COMPLETION.



09-AUG-2016 09:49 MF-CV-14214-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSEN
CHECKED BY
S. ARNOLD
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 5 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14214-D
SCALE
AS SHOWN
SHEET NO.

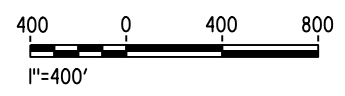
NOTES:

- 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.



LEGEND:

- DEMOLITION OF EXISTING
- DIRECTION OF TRAVEL
- XX ROAD CLOSURE



PLAN

09-AUG-2016 09:49 MF-CV-14230-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS

DRAWN BY
W. JOHNSEN

CHECKED BY
S. ARNOLD

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 1 OF 4

CONTRACT NO.
HSR08-05

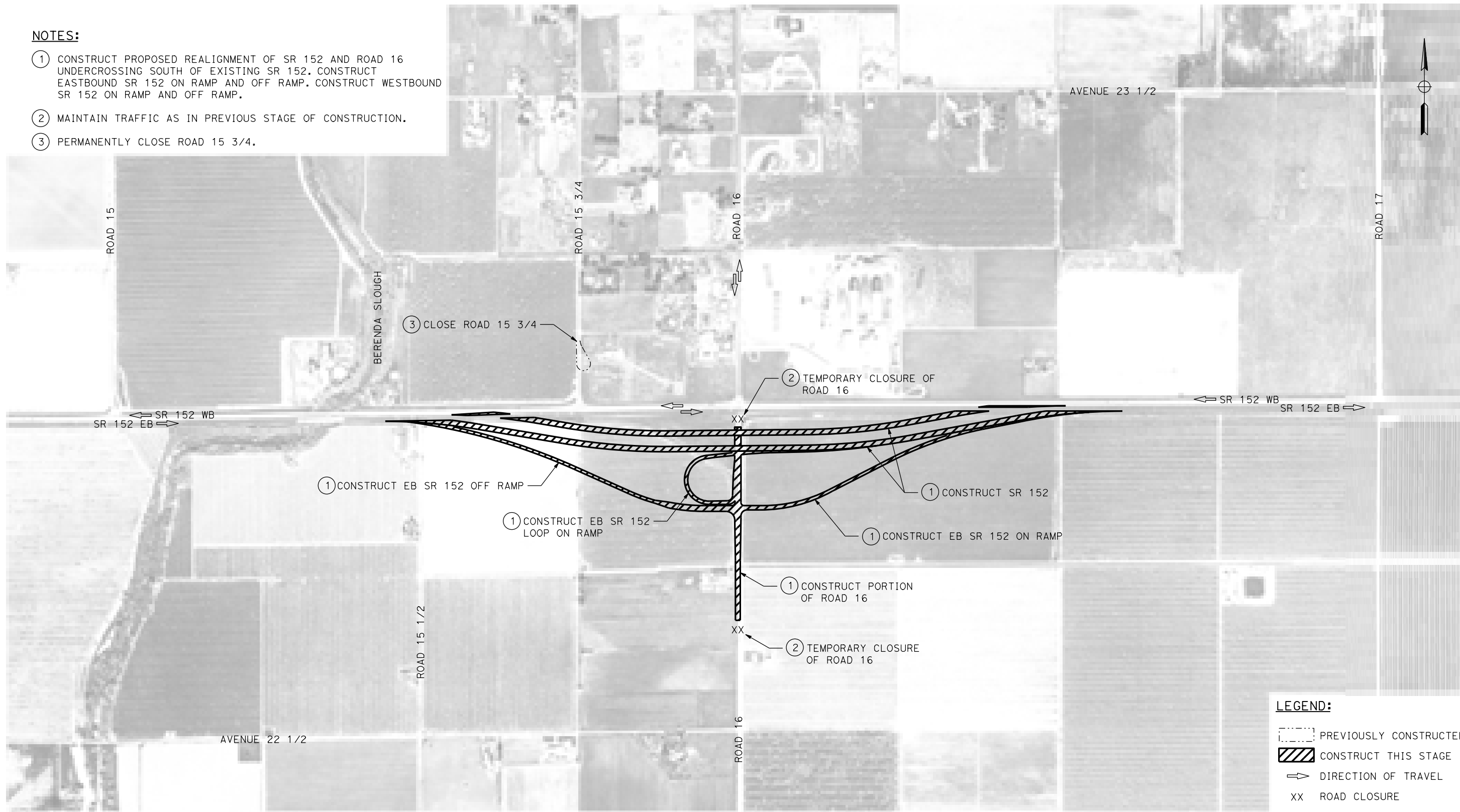
DRAWING NO.
CV-14230-D

SCALE
AS SHOWN

SHEET NO.

NOTES:

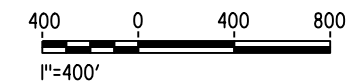
- ① CONSTRUCT PROPOSED REALIGNMENT OF SR 152 AND ROAD 16 UNDERCROSSING SOUTH OF EXISTING SR 152. CONSTRUCT EASTBOUND SR 152 ON RAMP AND OFF RAMP. CONSTRUCT WESTBOUND SR 152 ON RAMP AND OFF RAMP.
- ② MAINTAIN TRAFFIC AS IN PREVIOUS STAGE OF CONSTRUCTION.
- ③ PERMANENTLY CLOSE ROAD 15 3/4.



PLAN

LEGEND:

- PREVIOUSLY CONSTRUCTED
- CONSTRUCT THIS STAGE
- DIRECTION OF TRAVEL
- ROAD CLOSURE



09-AUG-2016 09:50 MF-CV-14231-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

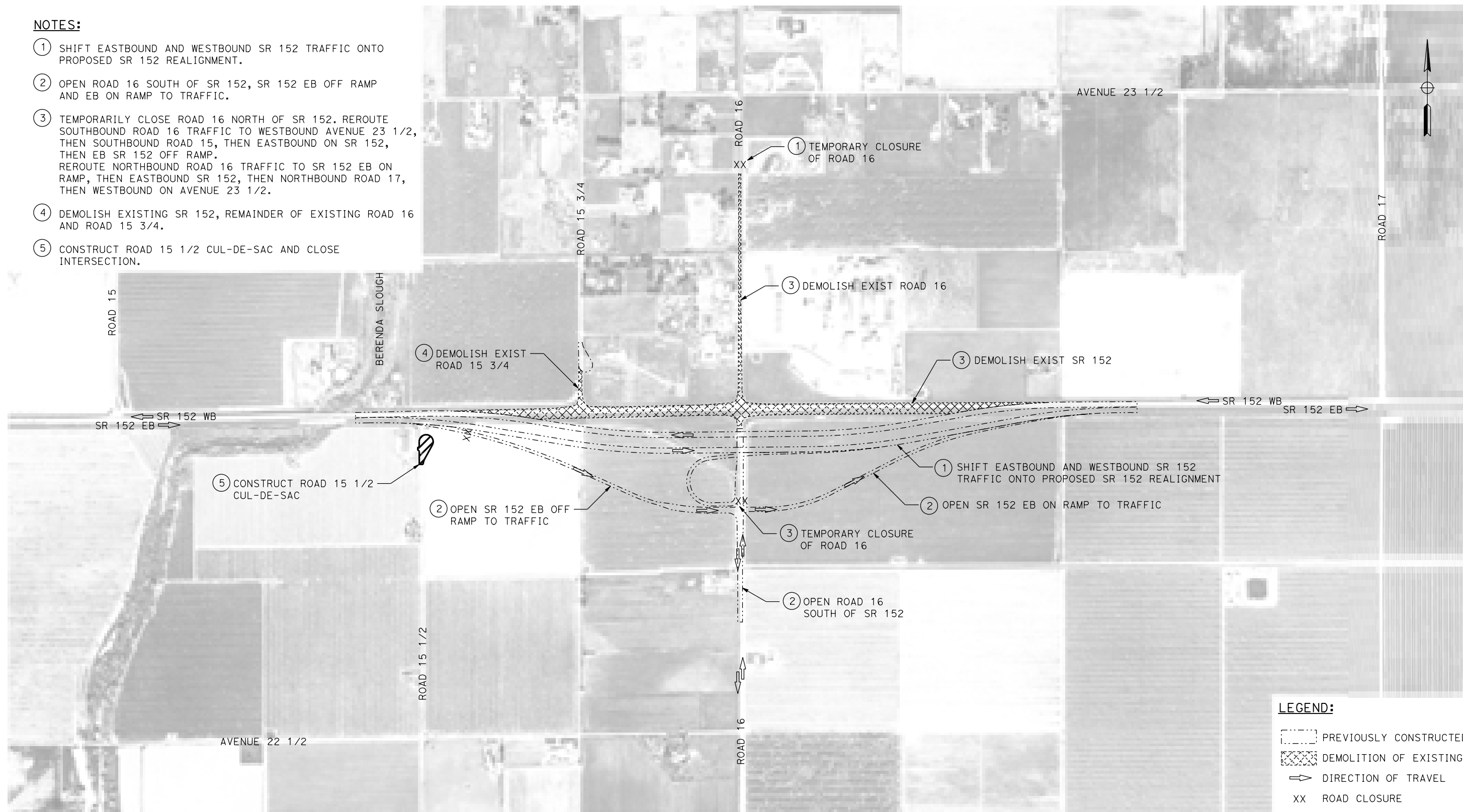


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 2 OF 4

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

NOTES:

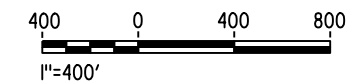
- ① SHIFT EASTBOUND AND WESTBOUND SR 152 TRAFFIC ONTO PROPOSED SR 152 REALIGNMENT.
- ② OPEN ROAD 16 SOUTH OF SR 152, SR 152 EB OFF RAMP AND EB ON RAMP TO TRAFFIC.
- ③ TEMPORARILY CLOSE ROAD 16 NORTH OF SR 152. REROUTE SOUTHBOUND ROAD 16 TRAFFIC TO WESTBOUND AVENUE 23 1/2, THEN SOUTHBOUND ROAD 15, THEN 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

LEGEND:

- PREVIOUSLY CONSTRUCTED
- DEMOLITION OF EXISTING
- ⇨ DIRECTION OF TRAVEL
- XX ROAD CLOSURE



09-AUG-2016 09:51 MF-CV-14232-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



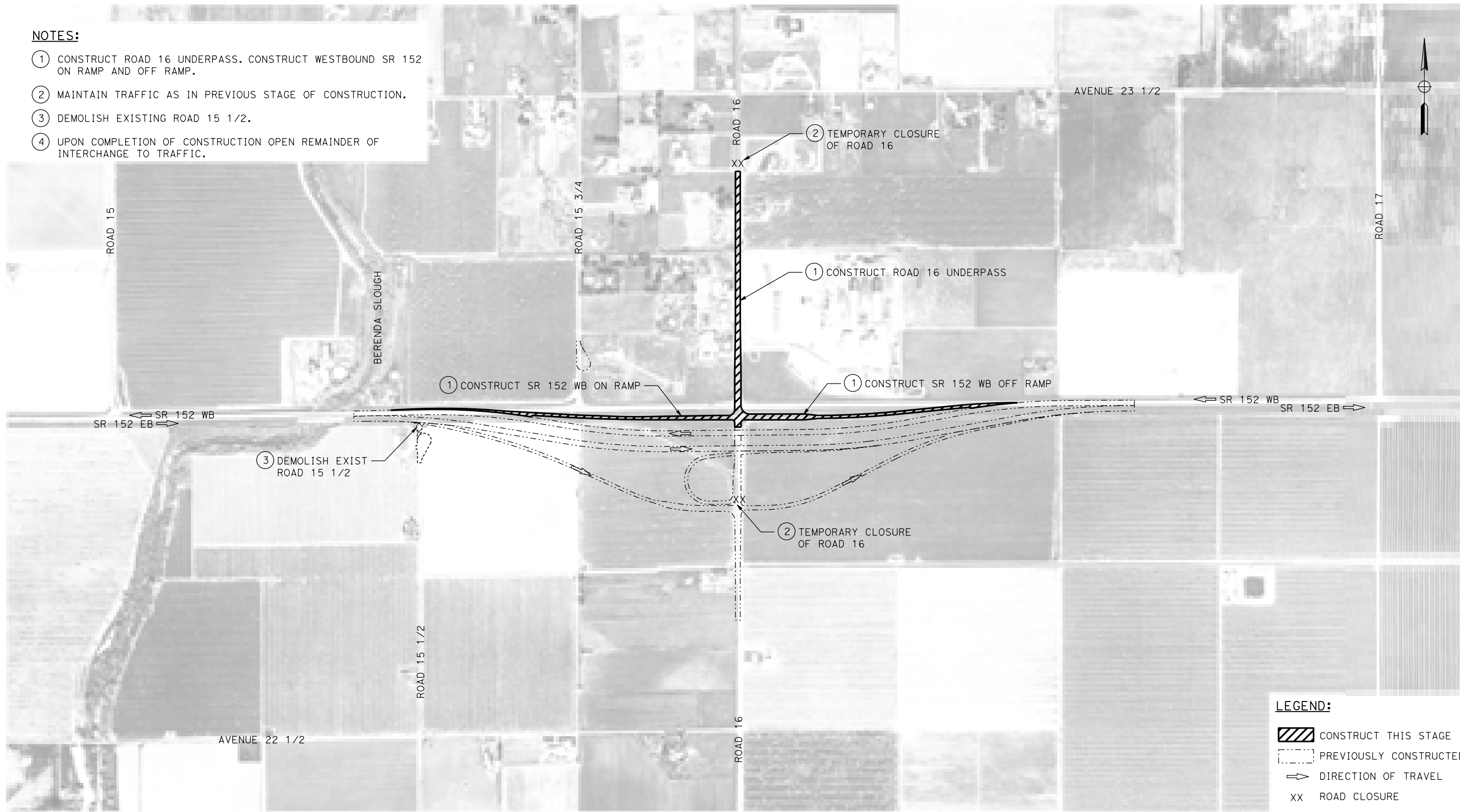
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 3 OF 4

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

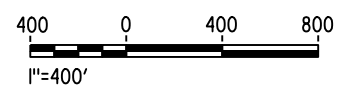
NOTES:

- 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.



LEGEND:

- CONSTRUCT THIS STAGE
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL
- ROAD CLOSURE



PLAN

09-AUG-2016 09:51 MF-CV-14233-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSEN
CHECKED BY
S. ARNOLD
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 4 OF 4

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-14233-D
SCALE
AS SHOWN
SHEET NO.