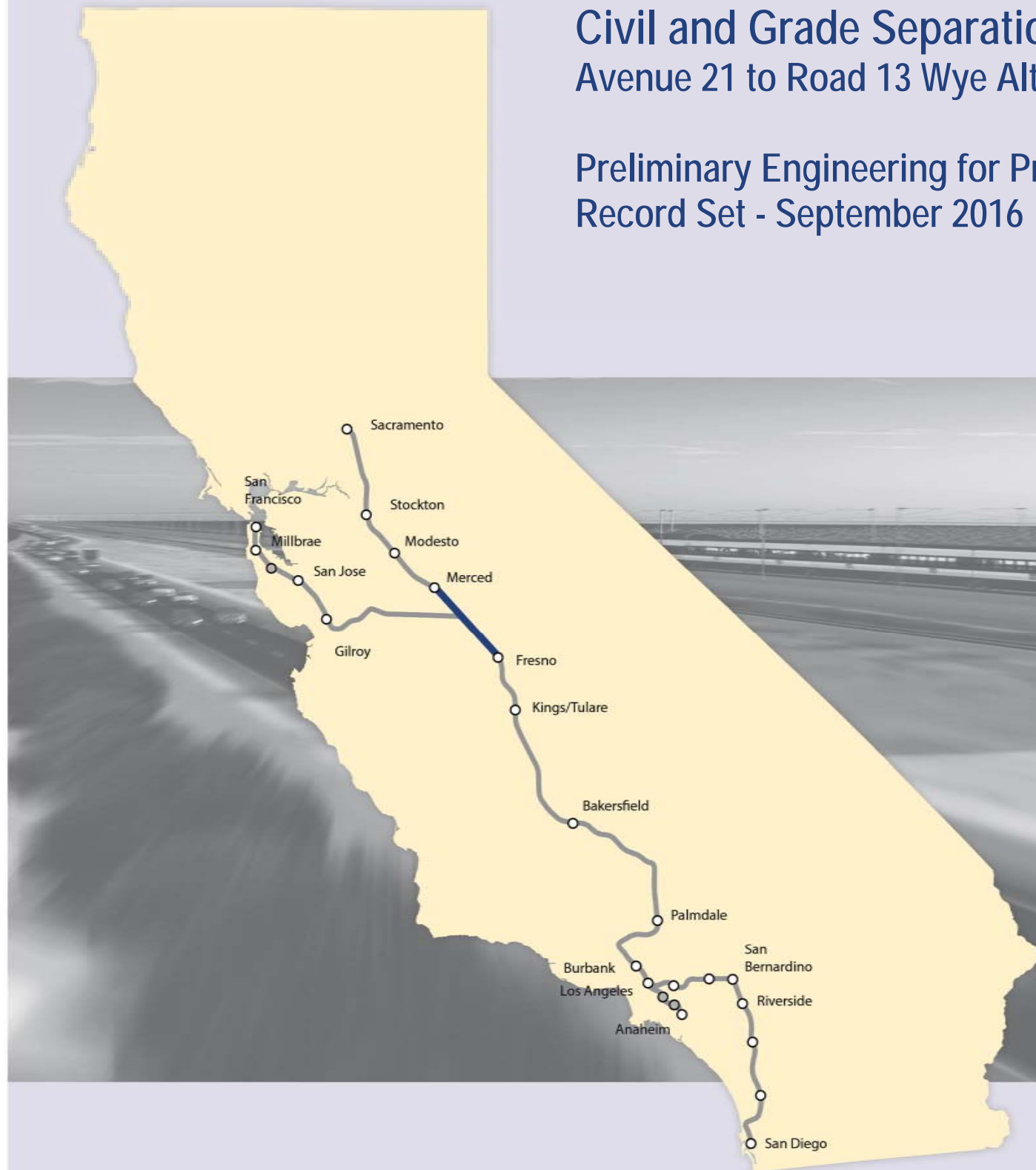


California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Civil and Grade Separation Plans (Book 3 of 4)
Avenue 21 to Road 13 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
CV-B0004	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 3 OF 17
CV-B0005	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 4 OF 17
CV-B0006	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 5 OF 17
CV-B0007	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 6 OF 17
CV-B0008	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 7 OF 17
CV-B0009	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 8 OF 17
CV-B0010	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 9 OF 17
CV-B0011	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 10 OF 17
CV-B0012	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 11 OF 17
CV-B0013	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 12 OF 17
CV-B0014	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 13 OF 17
CV-B0015	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 14 OF 17
CV-B0016	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 15 OF 17
CV-B0017	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 16 OF 17
CV-B0018	CENTRAL VALLEY WYE	CIVIL AND GRADE SEPARATION PLANS	INDEX OF DRAWINGS	SHEET 17 OF 17
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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
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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
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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
SCALE
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

RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CENTRAL VALLEY WYE
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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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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
S. WELLS
DRAWN BY
W. JOHNSON
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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SHEET 3 OF 17

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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DESIGNED BY
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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

06-SEP-2016 3:58 MF-CV-B0007.dgn

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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

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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 11 OF 17

CONTRACT NO.
HSR08-05
DRAWING NO.
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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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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
INDEX OF DRAWINGS
SHEET 13 OF 17

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

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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

06-SEP-2016 4:00 MF-CV-B0015.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
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
INDEX OF DRAWINGS
SHEET 14 OF 17

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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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S. WELLS
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W. JOHNSON
CHECKED BY
J. RAY
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C. LEMLEY
DATE
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NO SCALE
SHEET NO.

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

p0021811 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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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

D

D DEPTH
 DD DOWNDRAIN
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR

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

L

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

15-AUG-2016 2:49 MF-CV-B0020.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

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CONSTRUCTION



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
 DRAWING NO.
CV-B0020
 SCALE
NO SCALE
 SHEET NO.

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

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

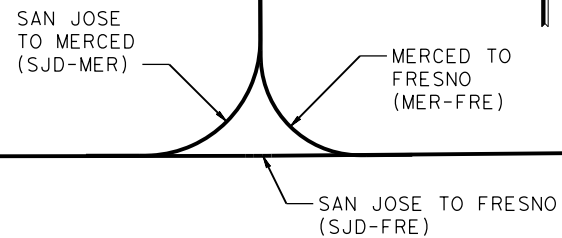
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CONSTRUCTION



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.

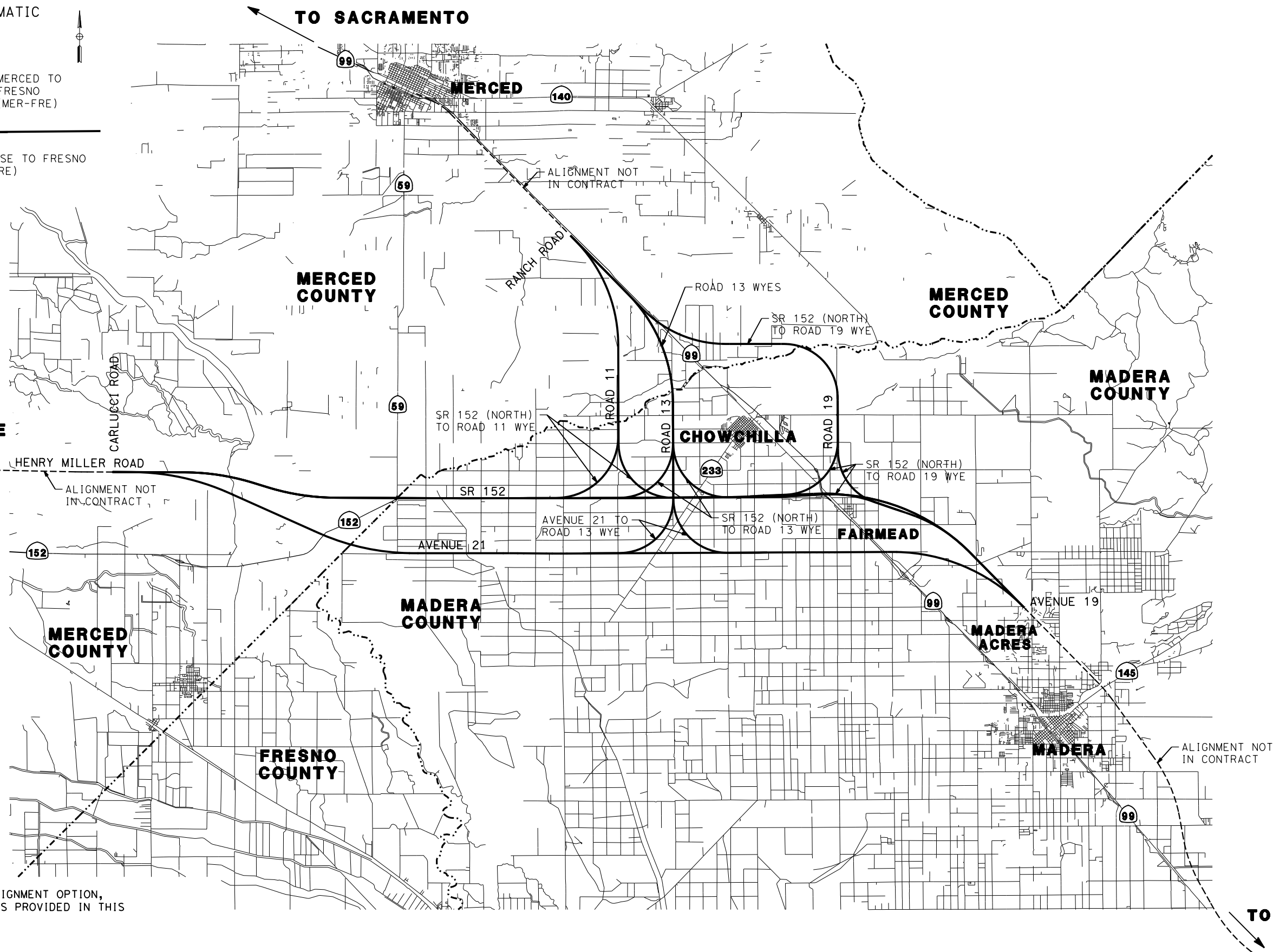
WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO

TO FRESNO



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

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

DESIGNED BY
S. WELLS

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W. JOHNSEN

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

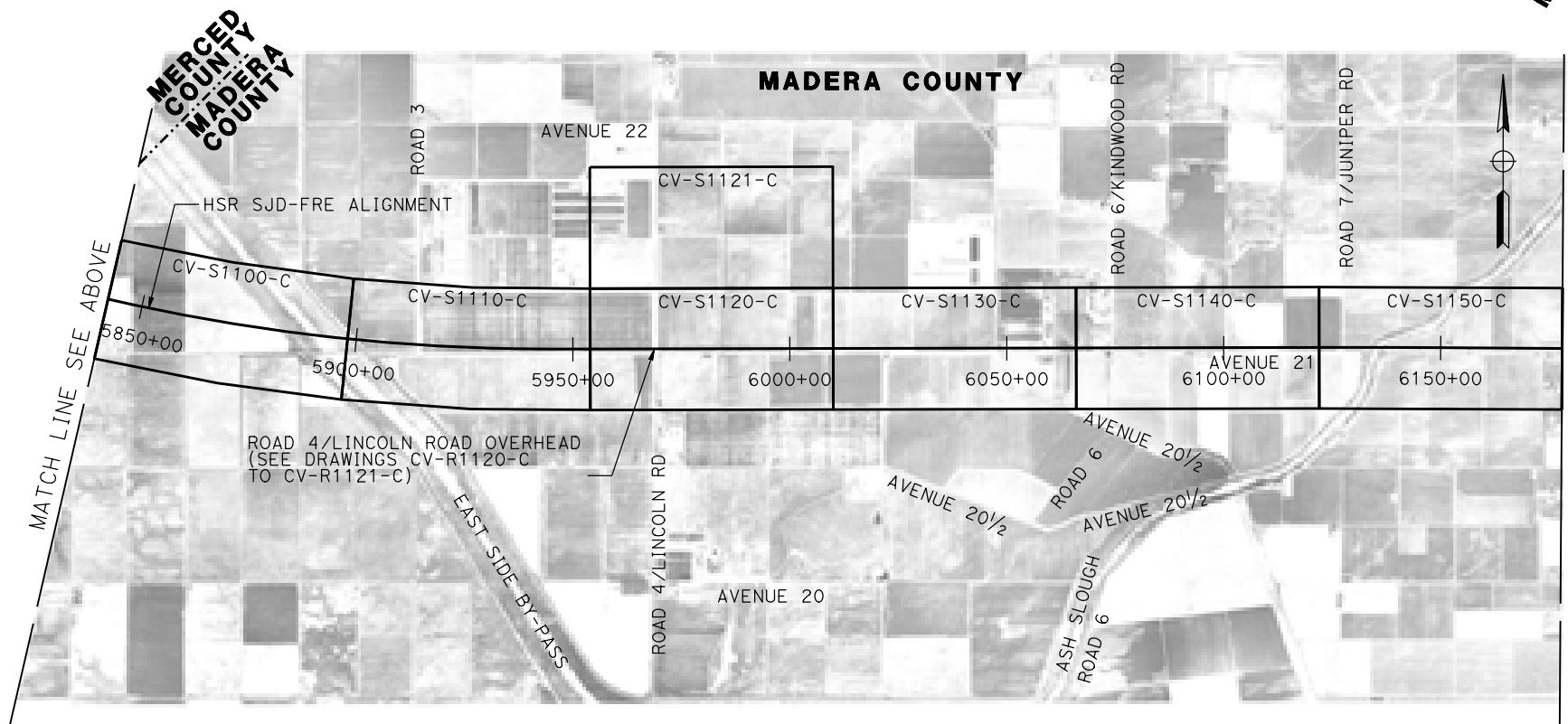
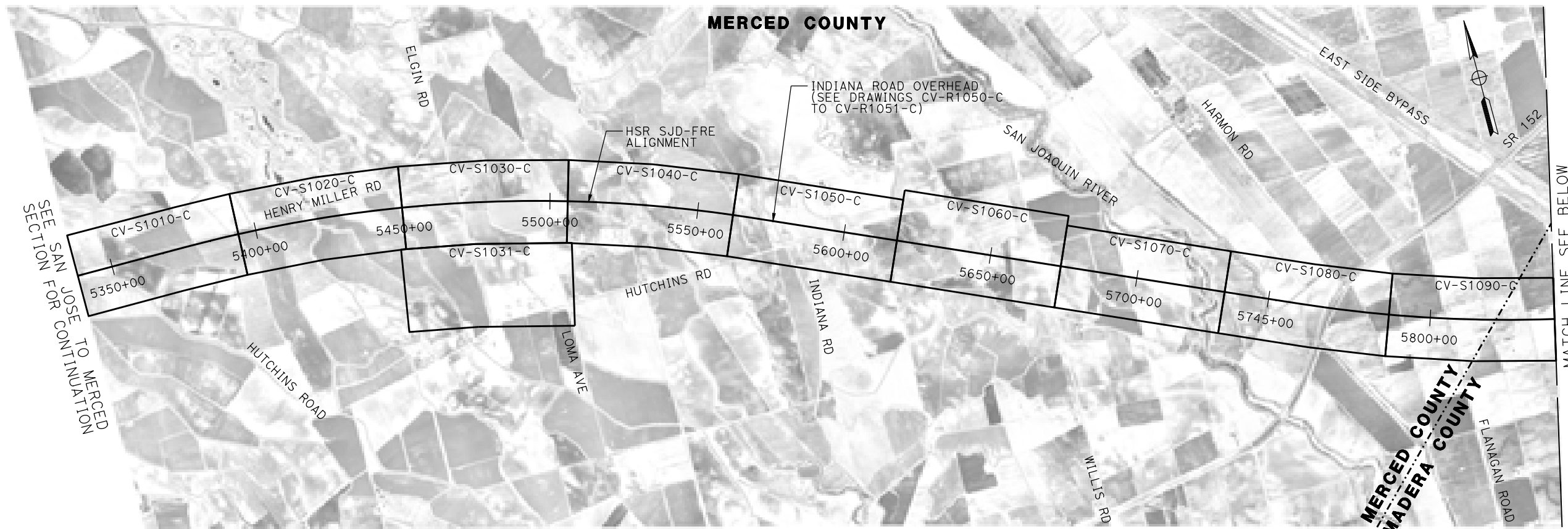
CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
GENERAL NOTES

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B0030

SCALE
NO SCALE

SHEET NO.



18-MAR-2016 16:33:45 MF-CV-B4050-C.dgn
 P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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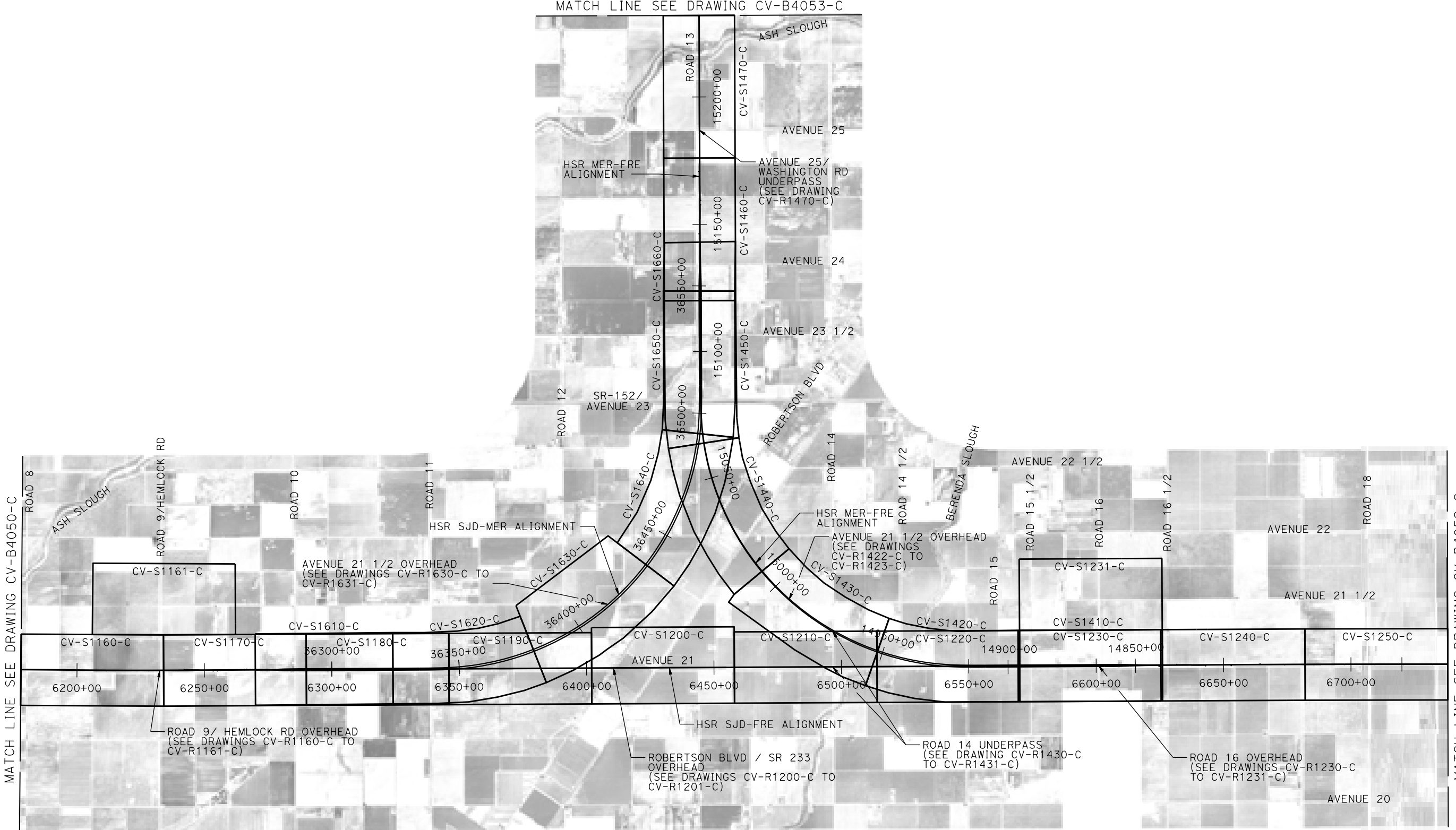
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 KEY MAP
 SHEET 1 OF 4

CONTRACT NO.
 HSR08-05
 DRAWING NO.
 CV-B4050-C
 SCALE
 NTS
 SHEET NO.

MADERA COUNTY



MATCH LINE SEE DRAWING CV-B4050-C

MATCH LINE SEE DRAWING CV-B4052-C

09-MAR-2016 8:04 MF-CV-B4051-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

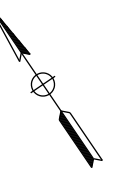
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4051-C

SCALE
NTS

SHEET NO.



17-MAR-2016 06:34 MF-CV-B4052-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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A. GURA

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C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

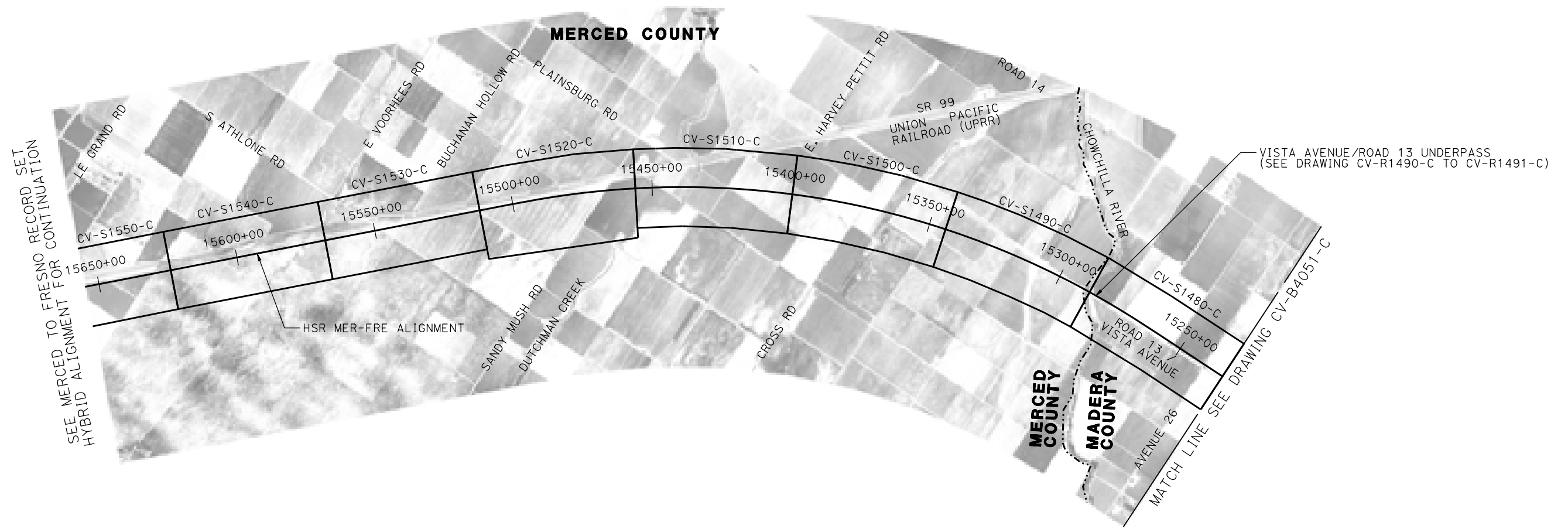
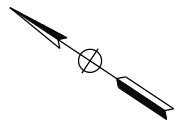
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 3 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4052-C

SCALE
NTS

SHEET NO.



09-MAR-2016 8:05 MF-CV-B4053-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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M. TACTAY

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J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 4 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B4053-C

SCALE
NTS

SHEET NO.

p005133g 02-NOV-2015 15:31:43 MF-CV-B0060-C.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" LINE	030-01	STATION	101+82.49	104+30.79		106+73.61	1,350.00	20°50'37"	4°14'39"	491.11	248.30	
		NORTHING	1858106.10	1858106.10	1859456.10	1858194.45			LEFT			
		EASTING	6530784.00	6531032.30	6530784.00	6531264.35						
INDIANA ROAD "INDIANA RD" LINE	050-01	STATION	11+95.37	13+78.12		15+60.27	2,600.00	8°02'29"	2°12'13"	364.90	182.75	
		NORTHING	1851920.26	1852100.75	1852327.66	1852283.48			RIGHT			
		EASTING	6532535.05	6532506.42	6535102.94	6532503.31						
	050-02	STATION	23+89.97	28+74.96		33+59.66	16,000.00	3°28'21"	0°21'29"	969.69	484.99	
		NORTHING	1853113.06	1853597.98	1852841.18	1854081.52			LEFT			
		EASTING	6532489.21	6532480.97	6516491.52	6532443.38						
050-03	STATION	45+33.86	47+11.74		48+85.93	1,000.00	20°10'20"	5°43'46"	352.07	177.88		
	NORTHING	1855252.18	1855429.52	1855329.70	1855600.74			RIGHT				
	EASTING	6532352.35	6532338.56	6533349.34	6532386.77							
HUTCHINS ROAD "HUTCHINS RD" LINE	051-01	STATION	11+50.00	13+00.00		13+85.62	150.00	90°00'00"	38°11'50"	235.62	150.00	
		NORTHING	1855027.31	1855034.86	1854877.50	1854885.05			RIGHT			
		EASTING	6532520.23	6532670.04	6532527.79	6532677.60						
	051-02	STATION	23+02.53	26+55.17		29+35.19	575.00	63°02'29"	9°57'52"	632.66	352.65	
		NORTHING	1853969.31	1853617.11	1853998.27	1853473.27			LEFT			
		EASTING	6532723.77	6532741.53	6533298.04	6533063.51						
051-03	STATION	44+13.39	46+31.37		48+42.63	1,000.00	24°35'36"	5°43'46"	429.24	217.98		
	NORTHING	1852870.34	1852781.43	1853783.37	1852783.41			LEFT				
	EASTING	6534413.16	6534612.18	6534821.05	6534830.15							
ROAD 4/LINCOLN ROAD CONNECTOR "RD 4/LINCOLN RD CONNECTOR" LINE	120-01	STATION	11+23.29	14+73.29		16+73.07	350.00	90°00'00"	16°22'13"	549.78	350.00	
		NORTHING	1841235.50	1841235.50	1841585.50	1841585.50			RIGHT			
		EASTING	6569280.55	6568930.55	6569280.55	6568930.55						
AVENUE 21 AT LINCOLN RD "AVE 21" LINE	121-01	STATION	11+28.68	12+11.00		12+93.27	2,800.00	3°22'04"	2°02'47"	164.58	82.32	
		NORTHING	1842334.23	1842334.23	1845134.23	1842339.06			LEFT			
		EASTING	6568959.24	6569041.55	6568959.24	6569123.72						
	121-02	STATION	15+53.44	16+40.16		17+26.83	2,800.00	3°32'53"	2°02'47"	173.39	86.72	
		NORTHING	1842354.35	1842359.44	1839559.18	1842359.17			RIGHT			
		EASTING	6569383.45	6569470.02	6569547.94	6569556.74						
ROAD 9/HEMLOCK ROAD CONNECTOR "RD 9/AVE 21 CONNECTOR" LINE	160-01	STATION	11+23.05	14+73.05		16+72.83	350.00	90°00'00"	16°22'13"	549.78	350.00	
		NORTHING	1841197.27	1841197.27	1841547.27	1841547.27			RIGHT			
		EASTING	6595679.82	6595329.82	6595679.82	6595329.82						
AVENUE 21 AT ROAD 11 "AVE 21 A" LINE	180-01	STATION	11+00.00	12+38.56		13+77.10	10,000.00	1°35'16"	0°34'23"	277.10	138.56	
		NORTHING	1842295.66	1842296.14	1832295.72	1842292.78			RIGHT			
		EASTING	6604630.03	6604768.59	6604664.57	6604907.11						
	180-02	STATION	14+85.57	16+51.49		18+17.38	10,000.00	1°54'04"	0°34'23"	331.82	165.92	
		NORTHING	1842290.15	1842286.12	1852287.21	1842287.60			LEFT			
		EASTING	6605015.54	6605181.41	6605258.07	6605347.33						
	180-03	STATION	35+68.54	36+91.82		38+15.08	10,000.00	1°24'45"	0°34'23"	246.53	123.27	
		NORTHING	1842303.23	1842304.34	1852302.84	1842308.47			LEFT			
		EASTING	6607098.42	6607221.69	6607009.16	6607344.89						
	180-04	STATION	38+38.62	39+89.05		41+39.46	10,000.00	1°43'25"	0°34'23"	300.84	150.43	
		NORTHING	1842309.26	1842314.31	1832314.90	1842314.84			RIGHT			
		EASTING	6607368.42	6607518.77	6607704.15	6607669.20						
ROBERTSON BOULEVARD/AVENUE 21 CONNECTOR "AVE 21/ROBERTSON BLVD CONNECTOR" LINE	200-01	STATION	15+52.51	17+11.17		18+44.40	300.00	55°44'48"	19°05'55"	291.89	158.66	
		NORTHING	1841780.38	1841621.72	1841780.38	1841532.41			LEFT			
		EASTING	6612403.21	6612403.21	6612703.21	6612534.36						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 1 OF 2

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

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA Δ	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
AVENUE 21 AT ROAD 15 "AVE 21 C" LINE	220-01	STATION	228+88.89	230+74.29		232+59.66	10,000.00	2°07'28"	0°34'23"	370.77	185.41
		NORTHING	1842398.21	1842399.03	1832398.31	1842392.97		RIGHT			
		EASTING	6626423.42	6626608.82	6626467.43	6626794.13					
	220-02	STATION	232+59.66	234+81.77		237+03.81	10,000.00	2°32'41"	0°34'23"	444.15	222.11
		NORTHING	1842392.97	1842385.71	1852387.63	1842388.32		LEFT			
		EASTING	6626794.13	6627016.13	6627120.83	6627238.22					
	220-03	STATION	239+11.91	239+54.41		239+78.38	42.00	90°40'21"	136°25'07"	66.47	42.50
		NORTHING	1842390.76	1842391.26	1842348.77	1842348.77		RIGHT			
		EASTING	6627446.31	6627488.80	6627446.80	6627488.80					
AVENUE 21/ROAD 19 CONNECTOR "AVE 21/RD 19 CONNECTOR" LINE	260-01	STATION	19+03.29	22+06.49		23+77.71	300.00	90°36'31"	19°05'55"	474.42	303.20
		NORTHING	1841567.77	1841567.59	1841867.77	1841870.78		RIGHT			
		EASTING	6647623.95	6647320.75	6647623.77	6647323.79					
FAIRMEAD BOULEVARD "FAIRMEAD BLVD" LINE	270-01	STATION	11+99.84	13+12.33		14+24.71	3,000.00	4°17'41"	1°54'35"	224.87	112.49
		NORTHING	1843187.82	1843107.76	1845295.19	1843033.84		LEFT			
		EASTING	6657022.60	6657101.62	6659157.78	6657186.41					
	270-02	STATION	17+21.37	19+48.86		21+75.47	3,000.00	8°40'22"	1°54'35"	454.11	227.49
		NORTHING	1842838.90	1842689.41	1840577.55	1842515.77		RIGHT			
		EASTING	6657410.03	6657581.50	6655438.66	6657728.48					
	270-03	STATION	24+57.83	25+72.50		26+87.07	3,000.00	4°22'41"	1°54'35"	229.24	114.68
		NORTHING	1842300.26	1842212.73	1844238.49	1842131.11		LEFT			
		EASTING	6657910.90	6657984.99	6660200.72	6658065.54					
ROAD 22 "RD 22" LINE	290-01	STATION	106+74.93	116+26.82		125+18.43	3,000.00	35°12'30"	1°54'35"	1,843.50	951.90
		NORTHING	1840364.13	1841031.44	1842503.50	1841968.05		LEFT			
		EASTING	6663448.15	6664126.97	6661345.04	6664296.87					
	290-02	STATION	144+11.01	146+98.96		149+85.15	3,000.00	10°57'55"	1°54'35"	574.14	287.95
		NORTHING	1843830.24	1844113.57	1844365.69	1844401.50		LEFT			
		EASTING	6664634.66	6664686.05	6661682.83	6664682.62					
ROAD 24 "RD 24" LINE	310-01	STATION	12+30.56	17+58.71		20+72.21	550.00	87°40'39"	10°25'03"	841.64	528.15
		NORTHING	1839687.15	1839159.01	1839689.16	1839139.53		LEFT			
		EASTING	6672240.78	6672242.70	6672790.77	6672770.49					
	310-02	STATION	34+37.65	45+85.82		52+69.64	1,200.00	87°28'16"	4°46'29"	1,831.99	1,148.17
		NORTHING	1839089.18	1839046.84	1837890.00	1837898.70		RIGHT			
		EASTING	6674135.00	6675282.39	6674090.75	6675290.72					
VISTA AVENUE/ROAD 13 REALIGNMENT "VISTA AV" LINE	490-01	STATION	112+46.35	115+35.02		118+16.72	1,500.00	21°47'11"	3°49'11"	570.36	288.67
		NORTHING	1873944.61	1874233.28	1873937.52	1874500.82		LEFT			
		EASTING	6616773.38	6616772.01	6615273.40	6616663.61					
	490-02	STATION	122+74.47	127+94.78		132+56.36	1,200.00	46°52'55"	4°46'29"	981.89	520.31
		NORTHING	1874925.07	1875407.29	1875375.71	1875879.52		RIGHT			
		EASTING	6616491.71	6616296.32	6617603.88	6616514.76					
	490-03	STATION	135+77.46	138+44.54		141+03.06	1,200.00	25°05'44"	4°46'29"	525.60	267.08
		NORTHING	1876170.95	1876413.35	1876674.76	1876680.43		LEFT			
		EASTING	6616649.57	6616761.70	6615560.45	6616760.44					
AVENUE 21 1/2 (SJD-MER) "AVE 21 1/2 SJD-MER" LINE	630-01	STATION	23+45.00	29+33.22		34+85.88	1,900.00	34°24'14"	3°00'56"	1,140.87	588.22
		NORTHING	1844977.93	1844977.93	1843077.93	1844645.57		RIGHT			
		EASTING	6611611.05	6612199.27	6611611.05	6612684.59					

MF-CV-B0061-C.dgn
 02-NOV-2015 15:31:43
 P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 GEOMETRY DATA TABLE
 SHEET 2 OF 2

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

03-FEB-2015 14:02 MF-CV-B0070-C.dgn

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Electrical Utility >60KV	JVC-2	Electric Overhead	115 KV, east side of Flanagan Road	5805+70	High Risk	CV-S1090-C
	JVC-3	Electric Overhead	70 KV, west side of Road 4 / Lincoln Road	5968+85		CV-S1120-C to CV-S1121-C
	JVC-61	Electric Overhead	115 KV PG&E Dairyland Substation; NE side of Avenue 21	6424+50 to 6426+80		CV-S1200-C
	JVC-62	Electric Overhead	115 KV east side of Berenda Canal	6428+00		CV-S1200-C
	WYH-7	Electric Overhead	230 KV, Diagonal at Avenue 20 1/2 and Road 24	7020+50		CV-S1300-C to CV-S1310-C
	WYH-13	Electric Overhead	115 KV, SW side of Avenue 21	6424+00		CV-S1200-C
			115 KV, crossing Avenue 21 to substation	6424+50		CV-S1200-C
	WYH-13	Electric Overhead	115 KV	36391+50		CV-S1630-C
	WYH-14	Electric Overhead	115 KV west side of Berenda Canal	6425+50		CV-S1200-C
	WYH-2	Electric Overhead	115 KV, west side of Road 13	36473+00 to 36502+00		CV-S1640-C to CV-S1650-C
	WYH-15	Electric Overhead	115 KV, south side of Avenue 26	15239+50		CV-S1480-C
WYH-16	Electric Overhead	115 KV, north side of Sandy Mush Rd	15467+80	CV-S1520-C		
Natural Gas Line	G51	Natural Gas	12" line on west side of Fairmead Blvd	6849+60	High Risk	CV-S1270-C to CV-S1280-C
	G52	Natural Gas	8" line on west side of Fairmead Blvd	6849+40		CV-S1270-C to CV-S1280-C
	G30	Natural Gas	12" line west side of UPRR	15476+75 to 15665+00		CV-S1520-C to CV-S1550-C
	WYH-8	Natural Gas	4" feeder main on west side of Road 22	6921+20		CV-S1290-C to CV-S1291-C
	G4	Natural Gas	4" feeder line on west side of Road 4 (Lincoln Rd)	Approximately 5968+00		CV-S1120-C to CV-S1121-C
	JVC-8	Challenger Pipeline	8-inch, high pressure natural gas gathering steel line on west side of Flanagan Road	5805+40		CV-S1090-C
Petroleum Products	P2	Petroleum	12.75" O.D. high pressure, west side of UPRR	6848+30	High Risk	CV-S1270-C to CV-S1280
Water Infrastructure	JVC-65	Irrigation Ditch #40	Unknown flow, irrigation infrastructure	5348+00	Low Risk	CV-S1010-C
	JVC-66	West San Juan Drain No. 1	Max flow - 20 cfs, irrigation infrastructure	5361+10		CV-S1010-C
	JVC-137	Irrigation Ditch #41	Unknown flow, irrigation infrastructure	5378+75		CV-S1010-C
	JVC-38	Irrigation Ditch #42	Unknown flow, irrigation infrastructure	5391+70		CV-S1010-C
	JVC-39	San Juan Canal	Max flow - 80 cfs, irrigation infrastructure	5400+00		CV-S1020-C
	JVC-40	San Juan Drain	Unknown flow, irrigation infrastructure	5419+50		CV-S1020-C
	JVC-85	Irrigation Ditch #43	Max flow - 80 cfs, irrigation infrastructure	5429+00		CV-S1020-C

NOTES:

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SCHWANIK
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
IN CHARGE
C. LEMLEY
DATE
02/13/2015

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 1 OF 4

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

03-FEB-2015 14:03 MF-CV-B0071-C.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	5439+90	Low Risk	CV-S1020-C
	JVC-42	West Santa Rita Drain		5448+35		CV-S1020-C
	JVC-67	Drain No. 2		5495+85		CV-S1030-C
	JVC-68	Escano Branch Ditch		5504+80		CV-S1030-C
	JVC-138	Drain No. 3		5515+75		CV-S1040-C
	JVC-69	Escano Ditch		5518+70		CV-S1040-C
	JVC-45	Orchard Ditch		5525+60		CV-S1040-C
	JVC-70	Santa Rita Slough		5528+45		CV-S1040-C
	JVC-71	Santa Rita Drain No. 1		5531+30		CV-S1040-C
	JVC-72	Drain No. 4		5540+80		CV-S1040-C
	JVC-73	Santa Rita Drain No. 1A		5563+60		CV-S1050-C
	JVC-86	Drain No. 5		5571+50		CV-S1050-C
	JVC-140	Irrigation Ditch #55		5575+00		CV-S1050-C
	JVC-88	Santa Rita Ditch		5575+50		CV-S1050-C
	JVC-139	Island Field Drain No. 1		5596+60		CV-S1050-C
	JVC-87	Island Field Drain		5609+25		CV-S1050-C
	JVC-12	Lucerne Ditch		5636+10		CV-S1060-C
	JVC-13	Wood Slough		5647+15		CV-S1060-C
	JVC-89	Drain No. 6	5648+35	CV-S1060-C		
	JVC-141	Irrigation Ditch #67	5656+75	CV-S1060-C		
	JVC-89	Drain No. 6	5682+35	CV-S1070-C		
	JVC-91	Irrigation Ditch #68	5696+35	CV-S1070-C		
	JVC-74	Riverside Canal	5721+00	CV-S1070-C		
	JVC-98	San Joaquin River	N/A	5722+10 to 5724+15		CV-S1070-C
	JVC-99	Irrigation Ditch #46	Unknown flow, irrigation infrastructure	5725+30		CV-S1070-C
	JVC-100	Fresno River	N/A	5743+35		CV-S1080-C
JVC-101	Mariposa Slough	5744+55		CV-S1080-C		
JVC-101	Mariposa Slough	5751+80		CV-S1080-C		
JVC-15	Eastside Bypass	5882+80 to 5897+95		CV-S1100-C to CV-S1110-C		
JVC-146	Irrigation Canal #71	Unknown flow, irrigation infrastructure	5969+15	CV-S1120-C		

NOTES:

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SCHWANIK
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
IN CHARGE
C. LEMLEY
DATE
02/13/2015

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 2 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-B0071-C

SCALE
NO SCALE

SHEET NO.

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-46	Chowchilla Canal	Unknown flow, irrigation infrastructure, concrete lined	6047+00	Low Risk	CV-S1130-C
	JVC-75	Hughes Canal	Unknown flow, irrigation infrastructure	6047+00 to 6071+60		CV-S1130-C to CV-S1140-C
	JVC-75	Hughes Canal		6100+50		CV-S1140-C
	JVC-75	Hughes Canal	Buried irrigation infrastructure, unknown flow, located on east side of Road 7/Juniper Road	6126+70		CV-S1150-C
	JVC-77	Ash Slough	N/A	6133+80 to 6137+15		CV-S1150-C
	JVC-142	Ashview Lat A	Buried irrigation infrastructure, unknown flow, west side of Road 9 / Hemlock Rd	6232+35		CV-S1160-C
	JVC-79	Ashview Canal	Irrigation infrastructure, north side of Avenue 21	6272+00 to 6285+00		CV-S1170-C
	JVC-79	Ashview Canal	Max flow - 320 cfs, irrigation infrastructure, east side of Road 10	6285+85		CV-S1170-C
	JVC-80	Road 11 Canal	Max flow - 24 cfs, irrigation infrastructure, east side of Road 11	6338+60		CV-S1180-C
	JVC-81	No. 12 Pipeline	Buried irrigation infrastructure, unknown flow	6371+00		CV-S1190-C
	JVC-81	No. 12 Pipeline	Buried irrigation infrastructure, unknown flow	36371+50		CV-S1620-C
	JVC-82	Bethel Canal	Max flow - 40 cfs, irrigation infrastructure	6409+30		CV-S1200-C
	JVC-133	Berenda Canal	Max flow - 875 cfs, irrigation infrastructure	6427+40		CV-S1200-C
	JVC-83	Dairy Pipeline	Buried irrigation infrastructure, unknown flow	6450+40		CV-S1200-C
	JVC-117	Central P.L.	42" buried irrigation infrastructure, unknown flow, east side of Road 14	6496+15		CV-S1210-C
	JVC-111	Berenda Slough	N/A	6519+70 to 6521+25		CV-S1220-C
	JVC-114	Lat 2.5	Unknown flow, irrigation infrastructure	6536+25		CV-S1220-C
	JVC-78	Califa Canal Spill	Max flow - 320 cfs, Irrigation infrastructure, west side of Road 15 1/2	6574+15		CV-S1230-C
	JVC-113	Califa Canal	Unknown flow, irrigation infrastructure	6653+50		CV-S1240-C
	JVC-123	32.2-9.9-2.0	Max flow - 320 cfs, Irrigation infrastructure	6680+35		CV-S1240-C
JVC-124	32.2-9.9	Max flow - 990 cfs, Irrigation infrastructure east side of Road 18	6706+65	CV-S1250-C		
JVC-125	32.2-9.9-1.5	Max flow - 600 cfs, Irrigation infrastructure, east side of Road 18 1/2	6733+60	CV-S1250-C		
JVC-126	32.2-9.9-1.0	Max flow - 600 cfs, Irrigation infrastructure, east side of Road 19	6760+15	CV-S1260-C		
JVC-127	32.2-9.9-0.1	Max flow - 140 cfs, Irrigation infrastructure, west side of Road 19 1/2	6785+50	CV-S1260-C		
JVC-128	32.2-10.2	Max flow - 600 cfs, Irrigation infrastructure, east side of Road 20	6812+95	CV-S1270-C		

NOTES:

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03-FEB-2015 14:03 MF-CV-B0072-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SCHWANIK
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
IN CHARGE
C. LEMLEY
DATE
02/13/2015

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 3 OF 4

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

Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-130	Berenda Creek	N/A	6987+85 to 6988+50	Low Risk	CV-S1300-C
	JVC-129	24.2-8.9-1.0	Max Flow - 320 cfs, Irrigation infrastructure south side of Avenue 20	7065+75		CV-S1310-C
	JVC-143	24.2-8.9	Unknown Flow, Irrigation infrastructure east side of Road 25	7097+25		CV-S1320-C
	JVC-134	Dry Creek	N/A	7106+70 to 7107+70		CV-S1320-C
	JVC-131	24.2	Max flow - 990 cfs, Irrigation infrastructure	7145+00		CV-S1330-C
	JVC-111	Berenda Slough	N/A	14943+90 to 14945+30		CV-S1420-C
	JVC-117	Central P.L.	42" buried irrigation infrastructure, Unknown Flow; east side of Road 14	14971+15		CV-S1430-C
	JVC-116	Lat 1.5	Unknown flow, irrigation infrastructure south side of Avenue 20 1/2	14990+20		CV-S1430-C
	JVC-133	Berenda Canal	Max flow - 875 cfs, Irrigation infrastructure	15021+50		CV-S1440-C
	JVC-106	Ash Main Canal	Max flow - 320 cfs, Irrigation infrastructure	15213+70		CV-S1470-C
	JVC-77	Ash Slough	N/A	15214+25 to 15217+80		CV-S1470-C
	JVC-106	Ash Main Canal	Max flow - 320 cfs, Irrigation infrastructure	15217+20		CV-S1470-C
	JVC-107	Chowchilla River	N/A	15288+00 to 15290+15		CV-S1480-C to CV-S1490-C
	JVC-108	Lat 4	Max flow - 600 cfs, Irrigation infrastructure	15307+00		CV-S1490-C
	JVC-145	Lat 3	Max flow - 600 cfs, Irrigation infrastructure	15347+25		CV-S1500-C
	JVC-109	Lat 2	Max flow - 600 cfs, Irrigation infrastructure, south side of Cross Road	15374+25		CV-S1500-C
	JVC-110	Dutchman Creek	N/A	15436+10		CV-S1510-C
JVC-105	Deadman's Creek	N/A	15575+70	CV-S1540-C		
Storm Water Infrastructure	None Found					
Wastewater Infrastructure	None Found					
Communication Facilities	F9	Fiber Optic	Underground 2-2" HDPE, west side of UPRR	6848+50	Low Risk	CV-S1270-C to CV-S1280-C
	F11	Fiber Optic	Underground Telephone, west side of UPRR	6848+65		CV-S1270-C to CV-S1280-C
	T97	Fiber Optic	Underground Trenched Ducts w/ Buried Cable along Fairmead Blvd	6850+00		CV-S1270-C to CV-S1280-C
	T99	Fiber Optic	Buried Cable, south side of Avenue 25	15186+80		CV-S1470-C
	JVC-56	Copper Cable	Buried cable. Runs North-South on the West side of Elgin Road right-of-way.	5468+80		CV-S1030-C to CV-S1031-C
	JVC-57	Copper Cable	Buried cable. Runs North-south on the East side of Indiana Road right-of way.	5575+80		CV-S1050-C

NOTES:

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30-OCT-2015 10:13:30 MF-CV-B0073-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

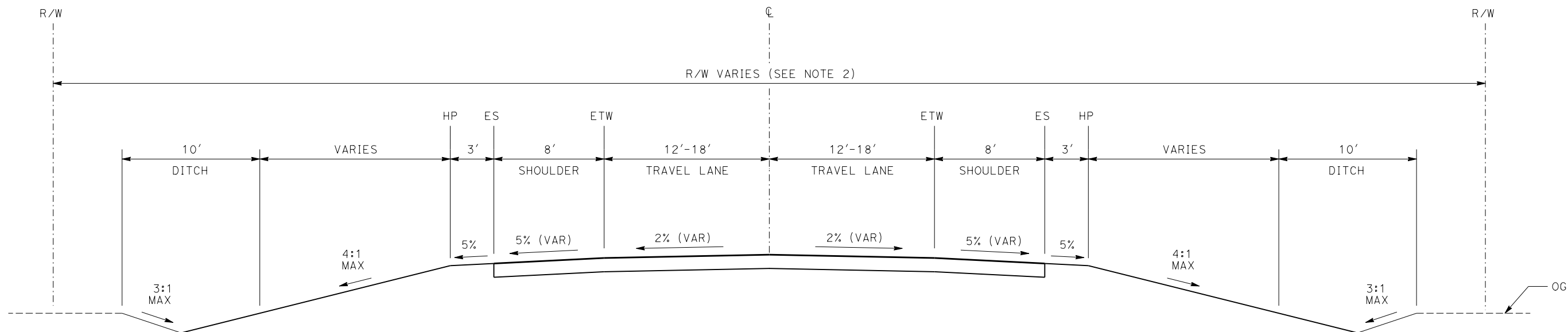
**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 4 OF 4

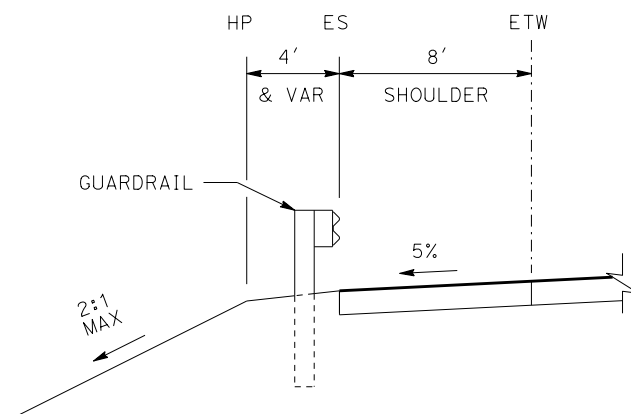
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-B0073-C
SCALE
NO SCALE
SHEET NO.



TYPICAL SECTION

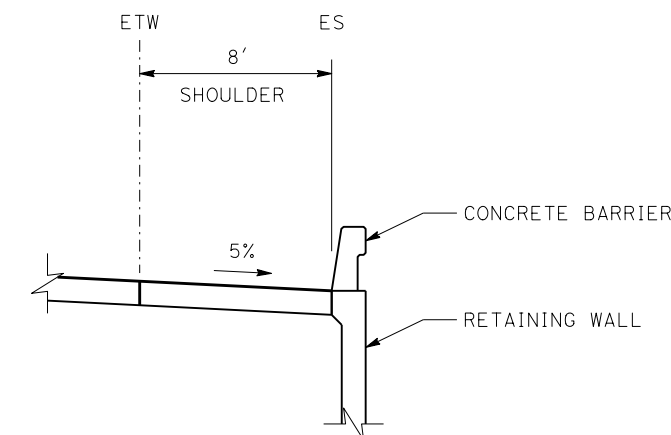
COUNTY ROADWAY OR STATE HIGHWAY

- "HENRY MILLER RD" LINE
- "INDIANA RD" LINE
- "HUTCHINS RD CONNECTOR" LINE
- "HUTCHINS RD" LINE
- "RD 4/LINCOLN RD" LINE
- "RD 4/LINCOLN RD CONNECTOR" LINE
- "AVE 21" LINE
- "RD 9/HEMLOCK RD" LINE
- "RD 9/AVE 21 CONNECTOR" LINE
- "AVE 21 A" LINE
- "ROBERTSON BLVD" LINE
- "AVE 21/ROBERTSON BLVD CONNECTOR" LINE
- "AVE 21 B" LINE
- "AVE 21 C" LINE
- "RD 16" LINE
- "RD 19" LINE
- "AVE 21/RD 19 CONNECTOR" LINE
- "FAIRMEAD BLVD" LINE
- "RD 22" LINE
- "AVE 20 1/2" LINE
- "RD 24" LINE
- "RD 14" LINE
- "AVE 21 1/2 MER-FRE" LINE
- "AVE 25" LINE
- "RD 13" LINE
- "VISTA AVE" LINE
- "CROSS RD" LINE
- "RD 11" LINE
- "AVE 21 1/2 SJD-MER" LINE
- "RD 12 CONNECTOR" LINE



TYPICAL SECTION

AT STRUCTURE APPROACH



TYPICAL SECTION

AT RETAINED FILL

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.

16-MAR-2016 08:56 MF-CV-B0080-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

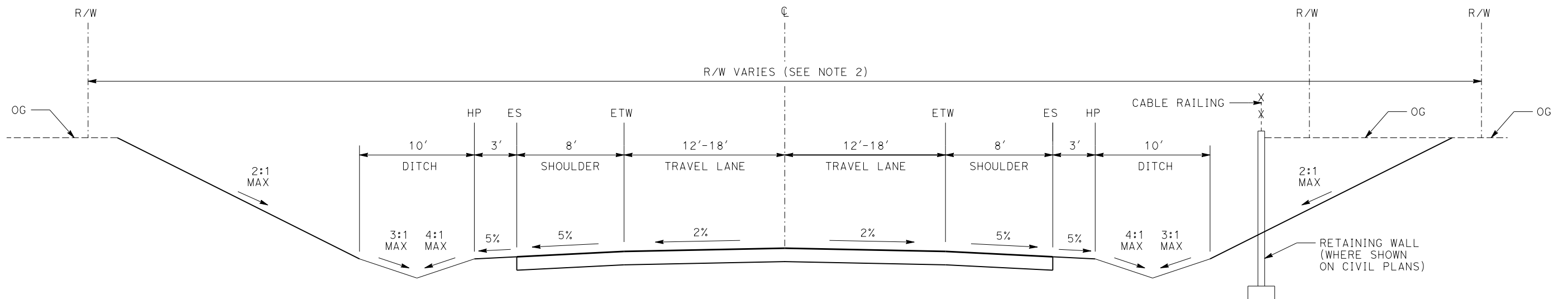
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 2

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

18-MAR-2016 08:21 MF-CV-B0081-C.dgn
 P005133g



TYPICAL SECTION
 COUNTY ROADWAY OR STATE HIGHWAY

"RD 14" LINE
 "AVE 25" LINE
 "RD 13" LINE
 "VISTA AV" LINE

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.

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

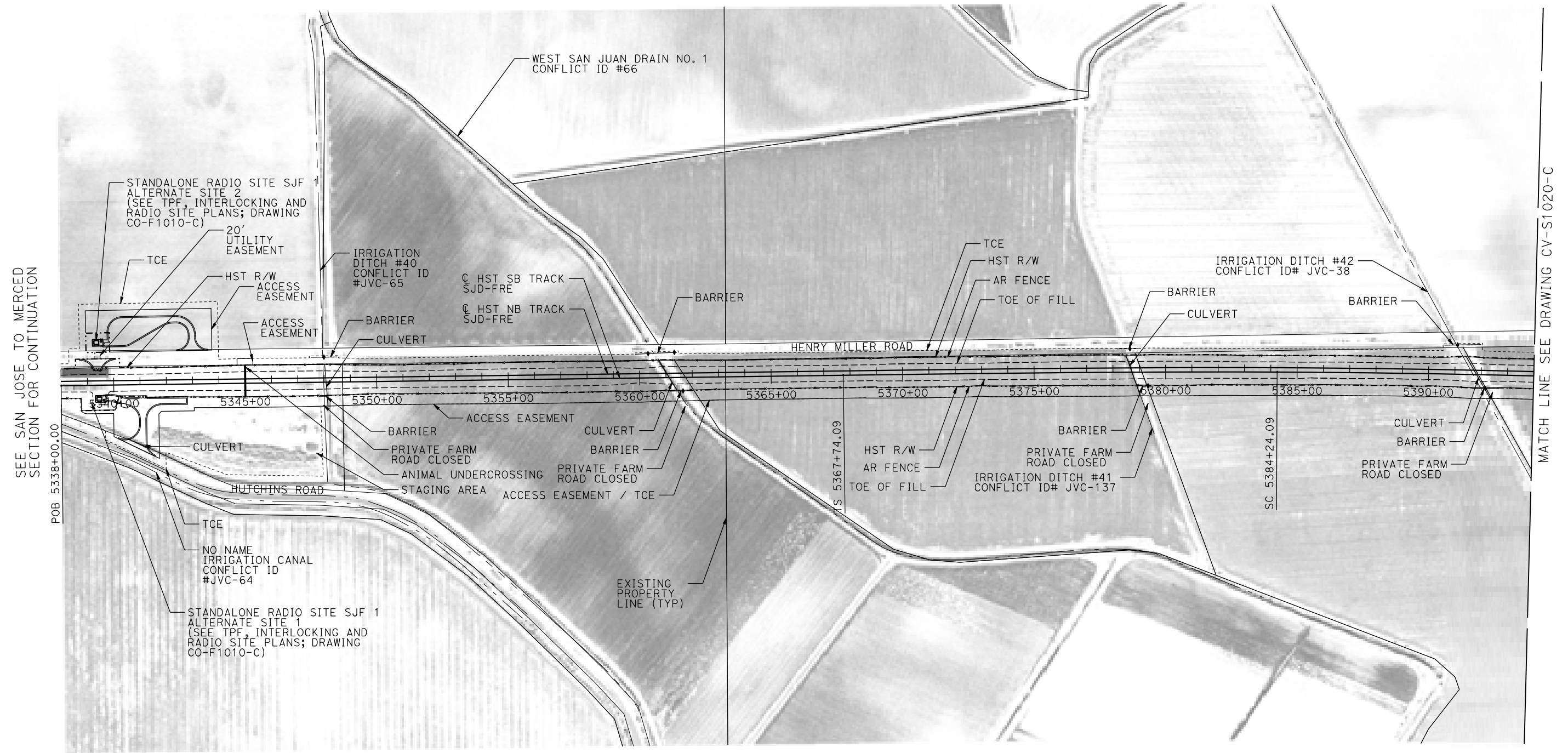
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TYPICAL SECTION
 SHEET 2 OF 2

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

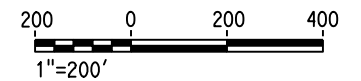
MERCED COUNTY



SEE SAN JOSE TO MERCED SECTION FOR CONTINUATION

MATCH LINE SEE DRAWING CV-S1020-C

PLAN



17-MAR-2016 09:02 MF-CV-S1010-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

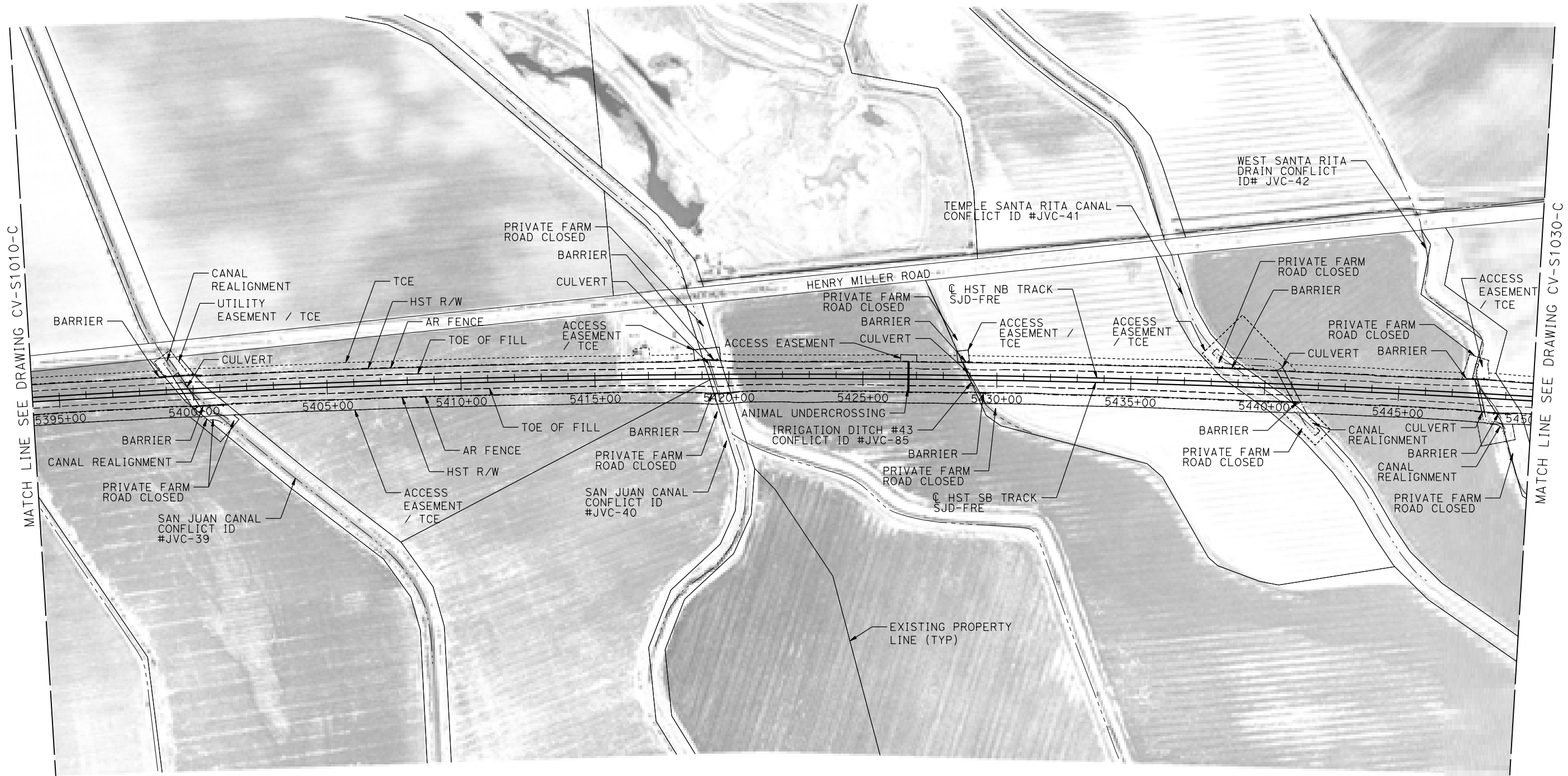
NOT FOR
CONSTRUCTION



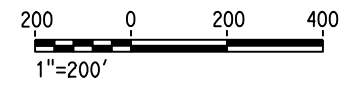
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5338+00 TO 5394+00

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

MERCED COUNTY



PLAN



18-MAR-2016 4:52 MF-CV-S1020-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5394+00 TO 5450+00

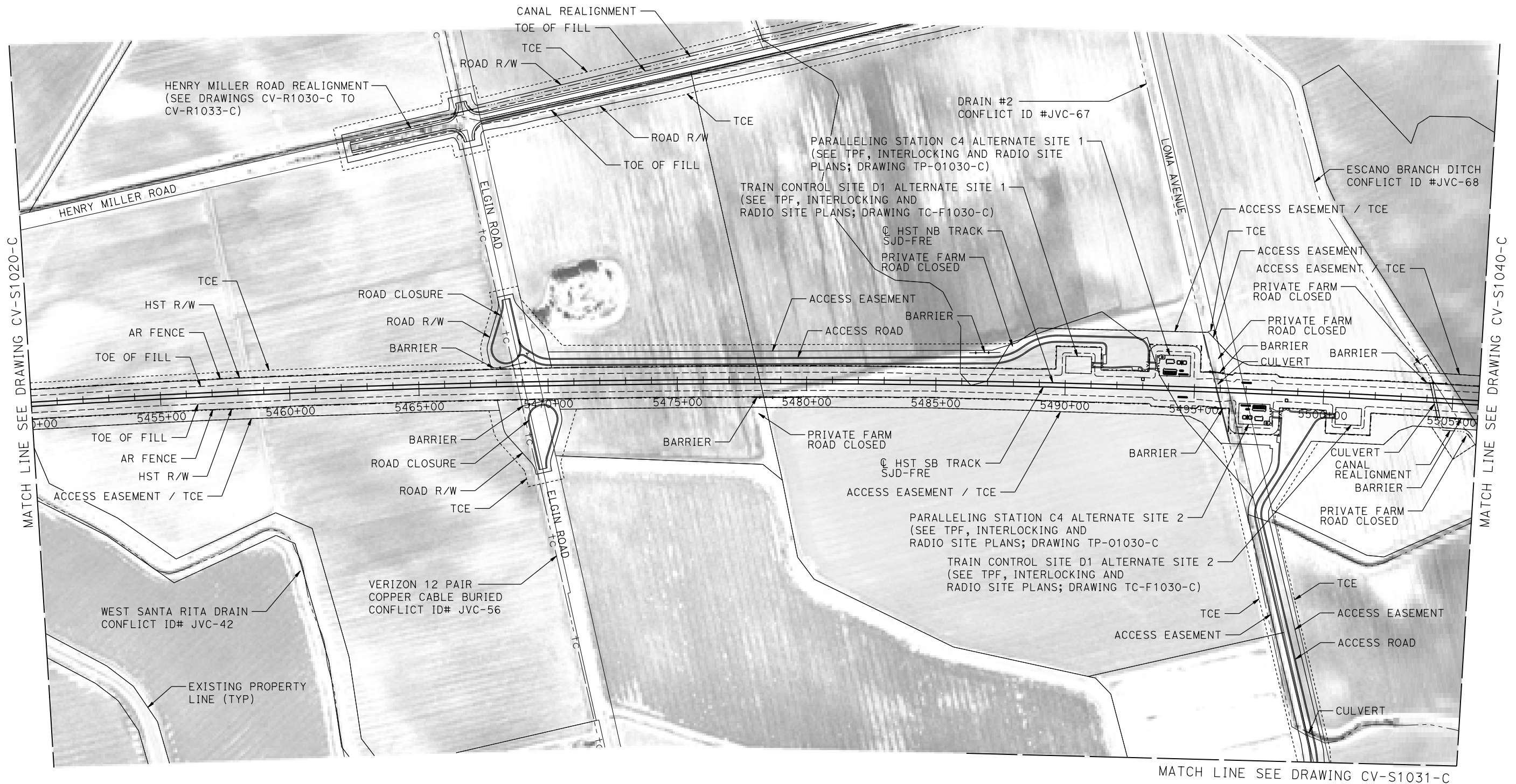
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1020-C

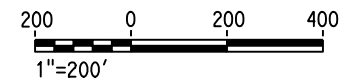
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 10:04 MF-CV-S1030-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5450+00 TO 5506+00

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

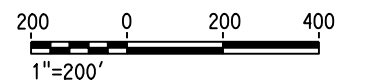
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1030-C



PLAN



17-MAR-2016 10:05 MF-CV-S1031-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

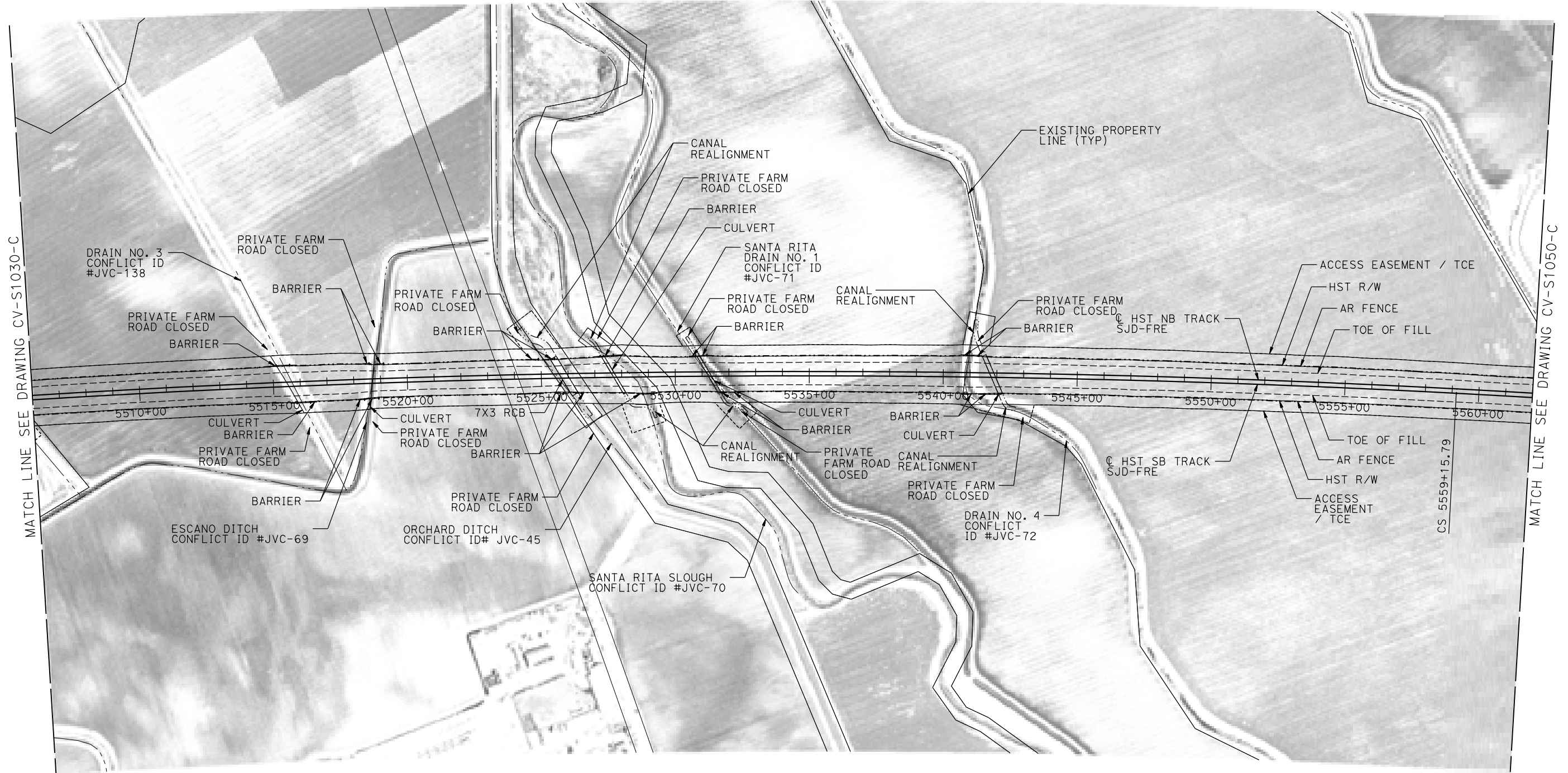
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1031-C

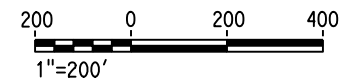
SCALE
1"= 200'

SHEET NO.

MERCED COUNTY



PLAN



18-MAR-2016 13:48 MF-CV-S1040-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

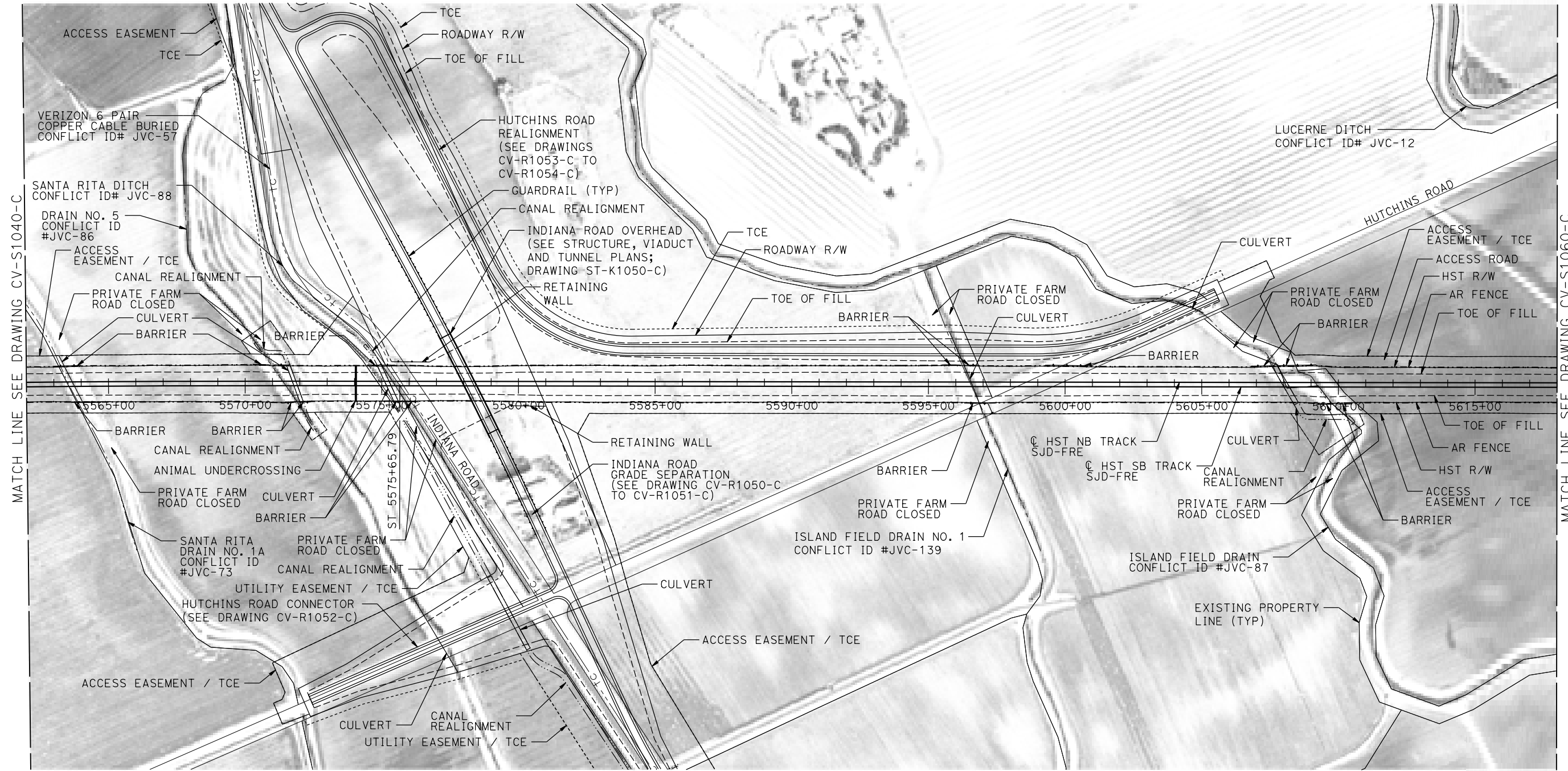
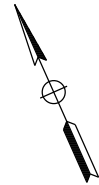
NOT FOR
CONSTRUCTION



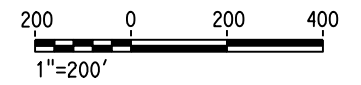
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5506+00 TO 5562+00

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

MERCED COUNTY



PLAN



18-MAR-2016 16:33:49 MF-CV-S1050-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5562+00 TO 5618+00

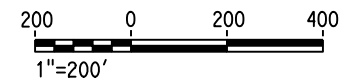
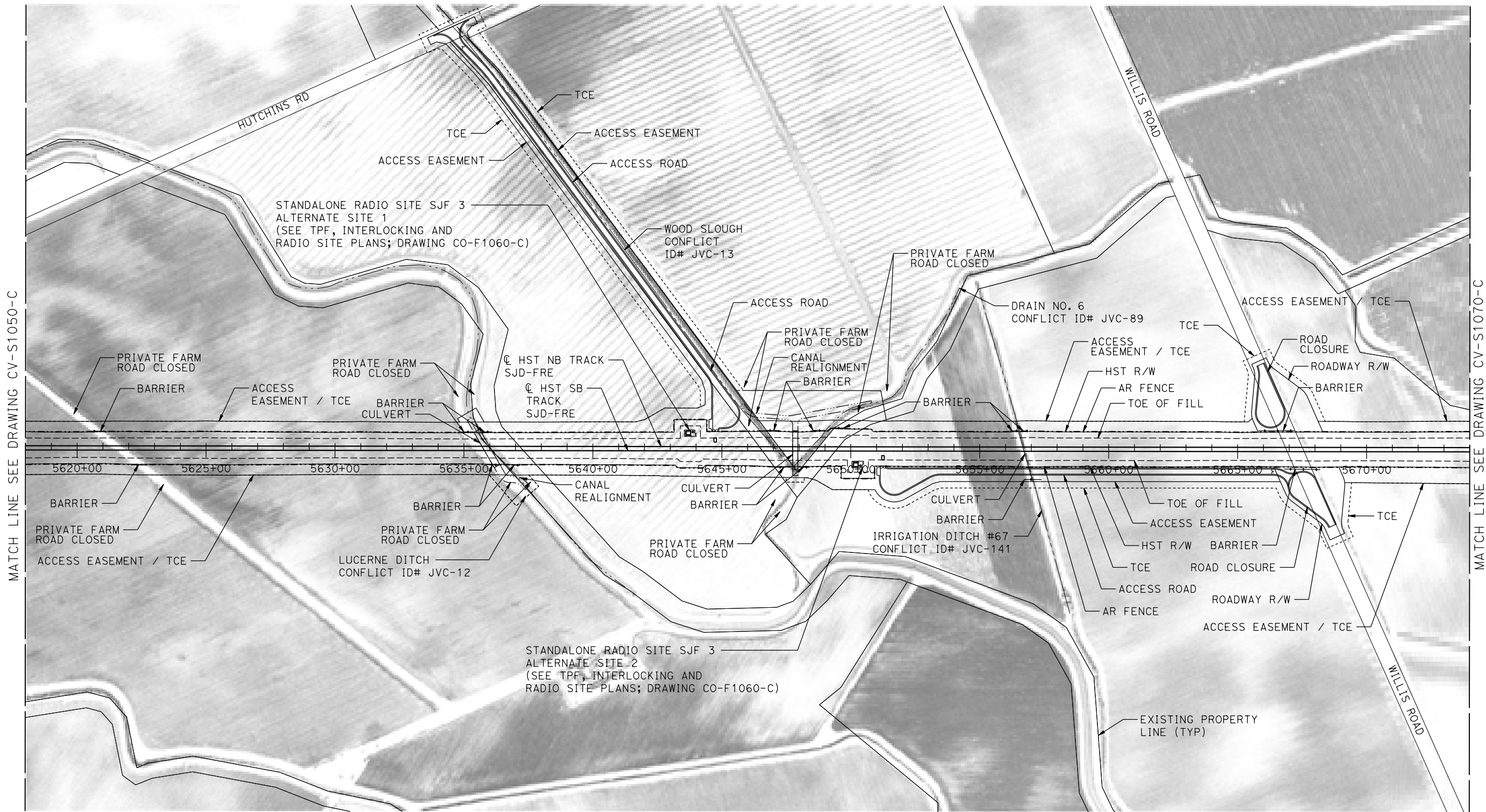
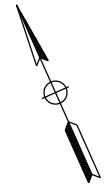
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1050-C

SCALE
1"=200'

SHEET NO.

MERCED COUNTY



17-MAR-2016 11:09 MF-CV-S1060-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5618+00 TO 5674+00

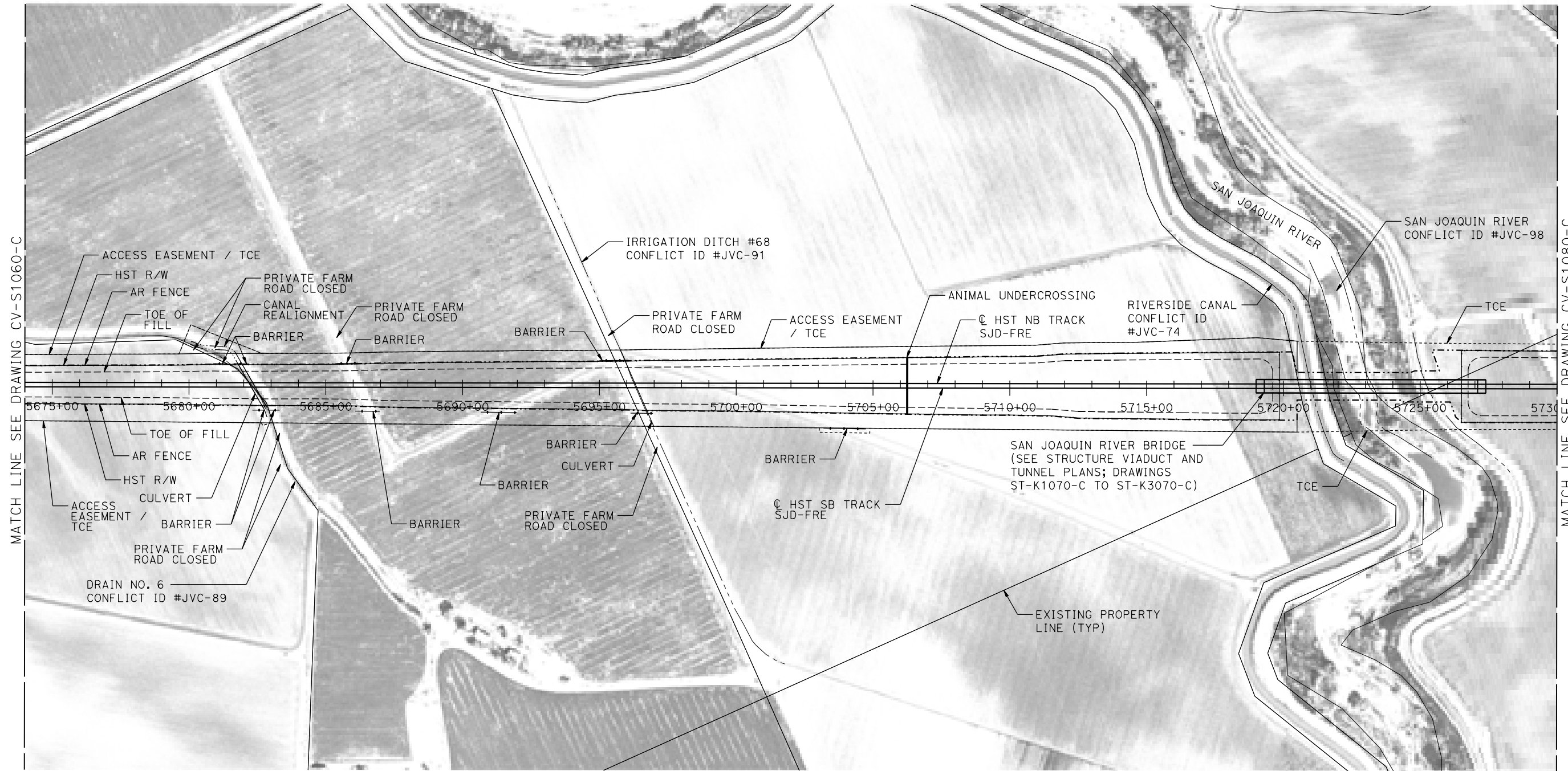
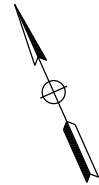
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1060-C

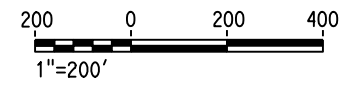
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



18-MAR-2016 13:49 MF-CV-S1070-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5674+00 TO 5730+00

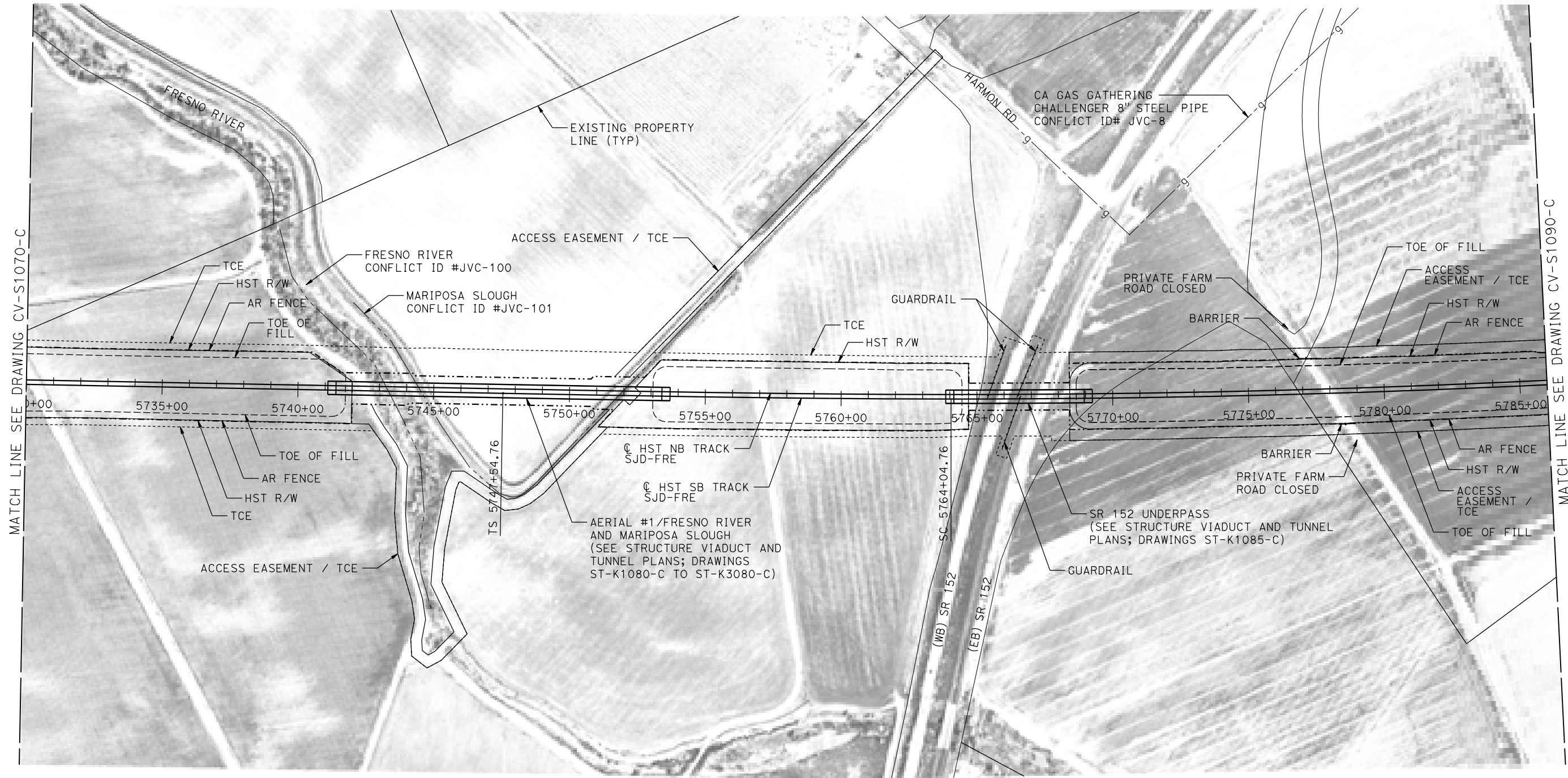
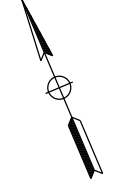
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1070-C

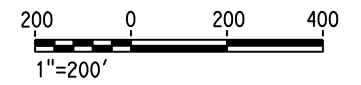
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2015 11:11 MF-CV-S1080-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
DRAWN BY
M. TACTAY
CHECKED BY
M. STANWIC
IN CHARGE
C. LEMLEY
DATE
02/13/2015

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

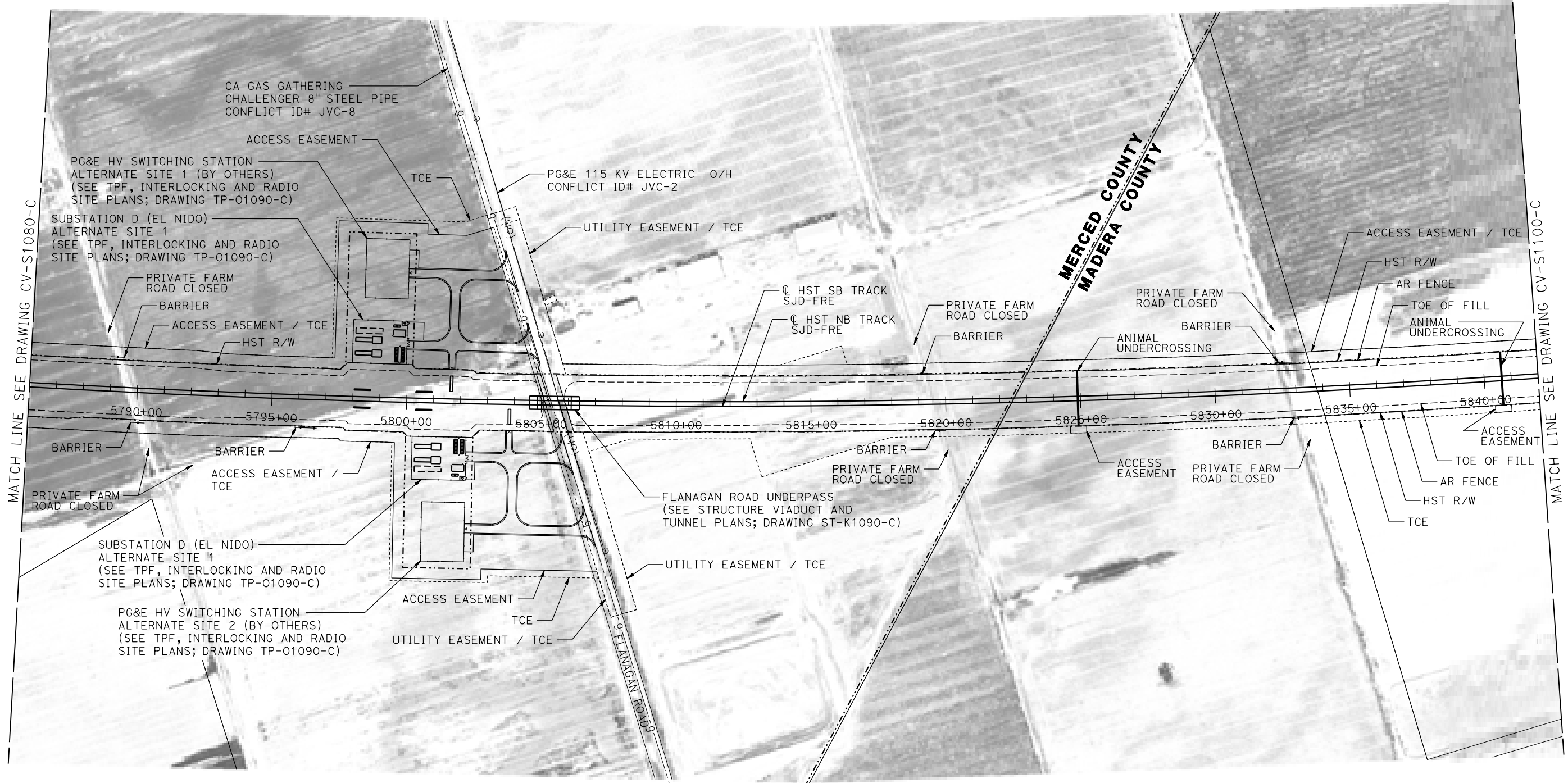


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5730+00 TO 5786+00

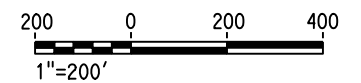
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1080-C
SCALE
1"=200'
SHEET NO.

MERCED COUNTY

MADERA COUNTY



PLAN



17-MAR-2016 11:12 MF-CV-S1090-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

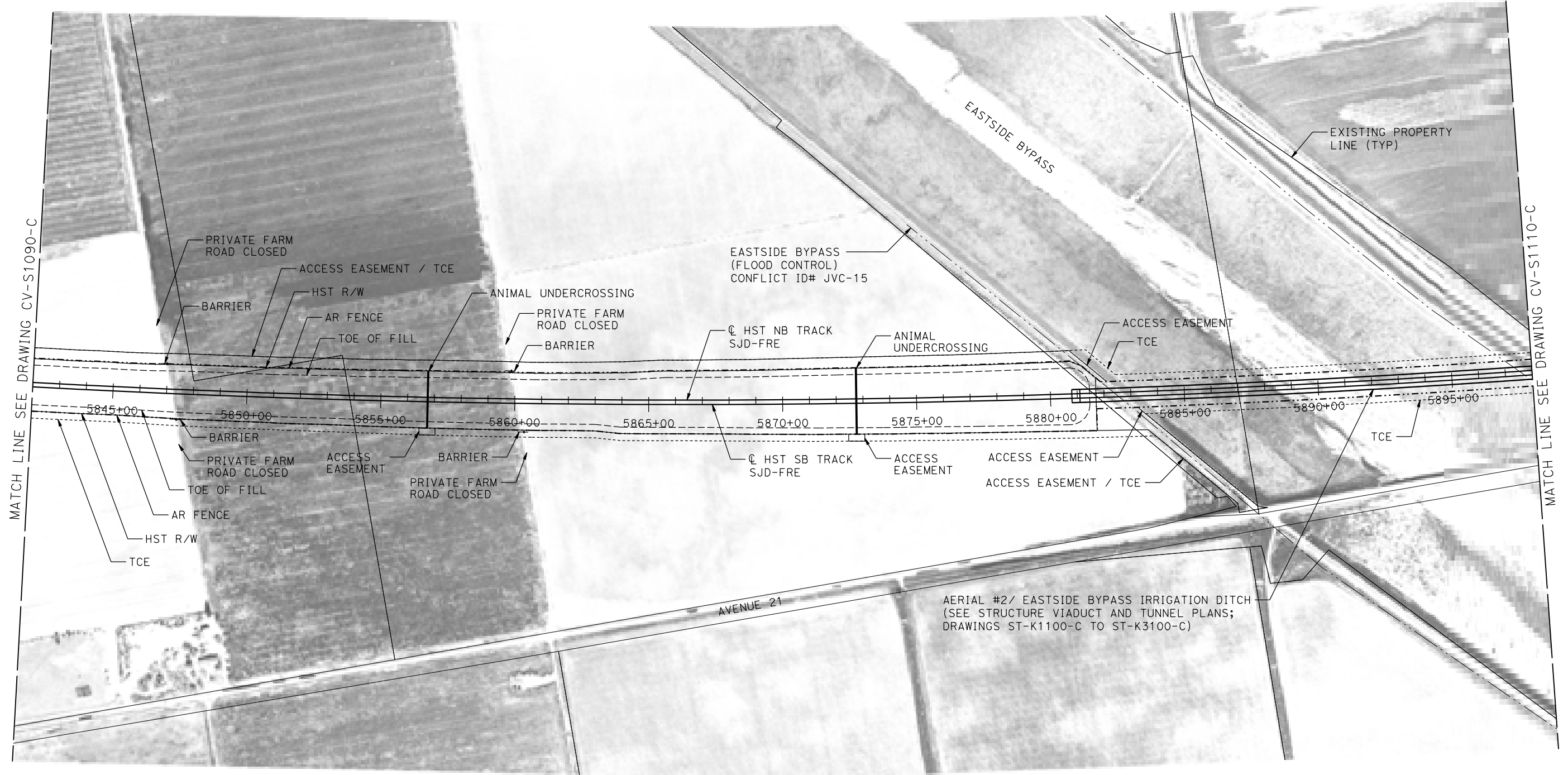
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1090-C

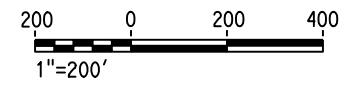
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 11:13 MF-CV-S1100-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5842+00 TO 5898+00

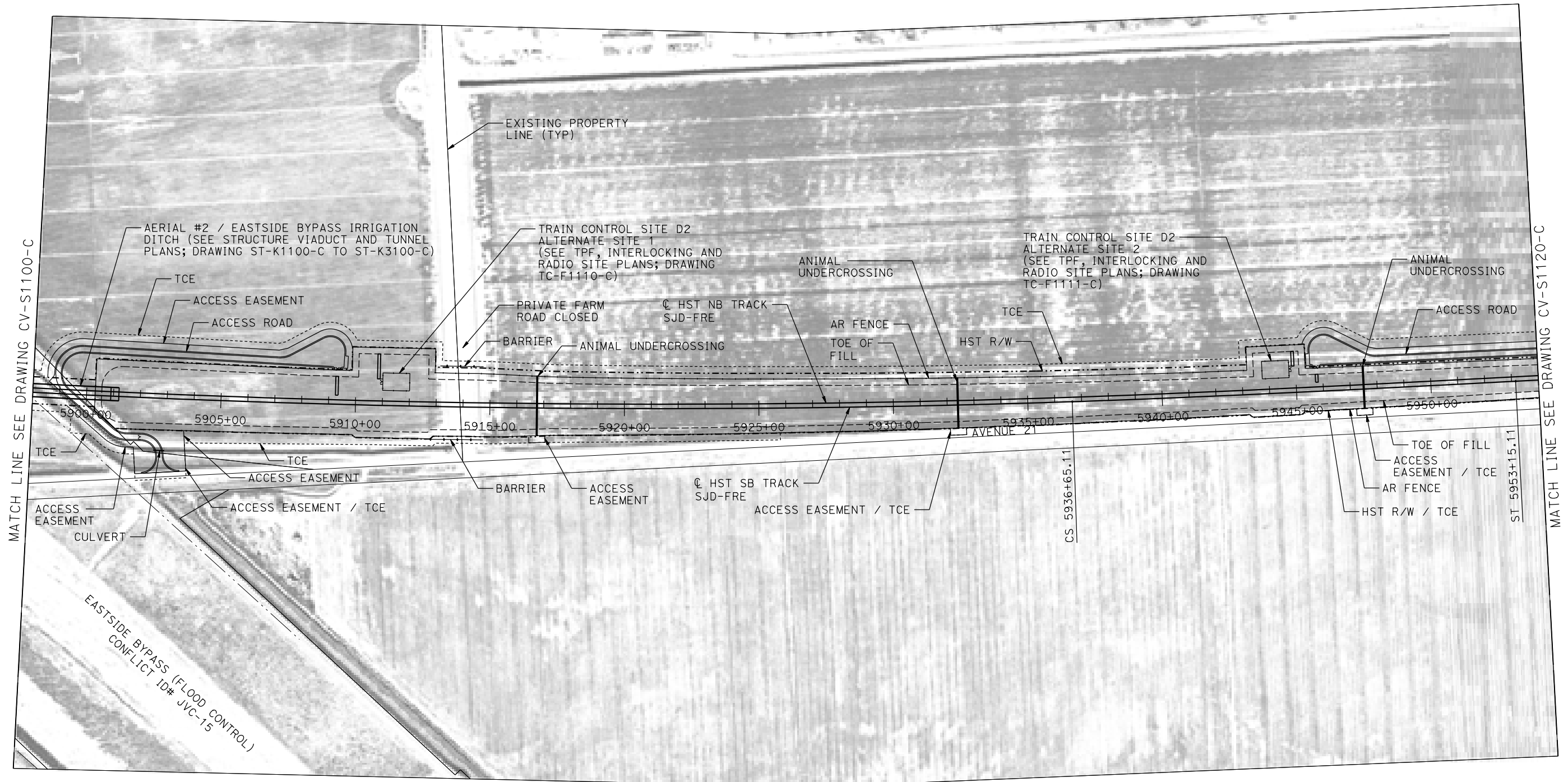
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1100-C

SCALE
1"=200'

SHEET NO.

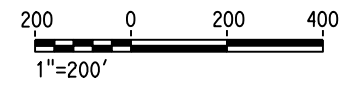
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1100-C

MATCH LINE SEE DRAWING CV-S1120-C

PLAN



17-MAR-2016 11:13 MF-CV-S1110-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

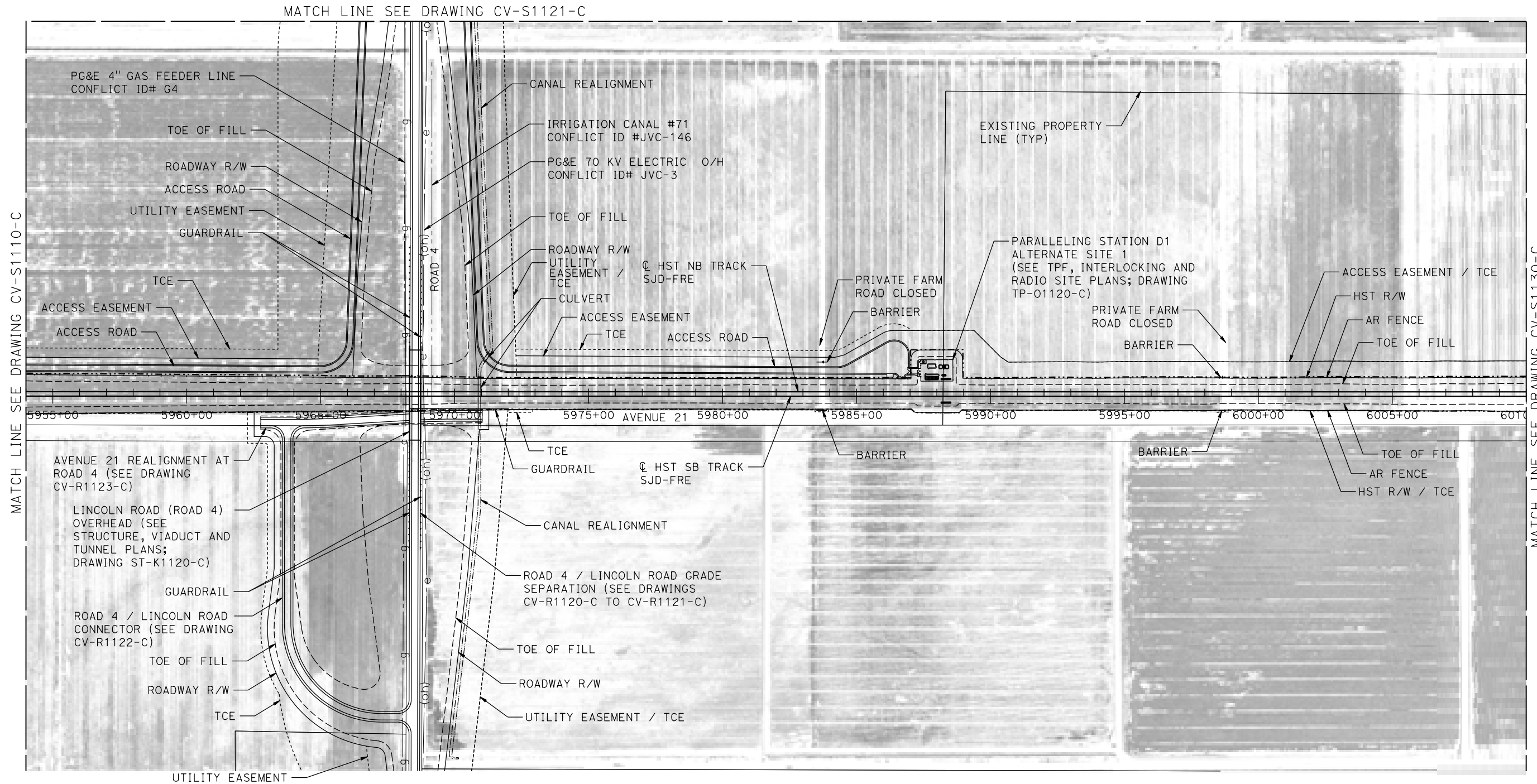
NOT FOR
CONSTRUCTION



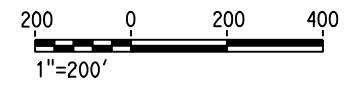
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5898+00 TO 5954+00

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

MADERA COUNTY



PLAN



18-MAR-2016 3:50 MF-CV-S1120-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5954+00 TO 6010+00

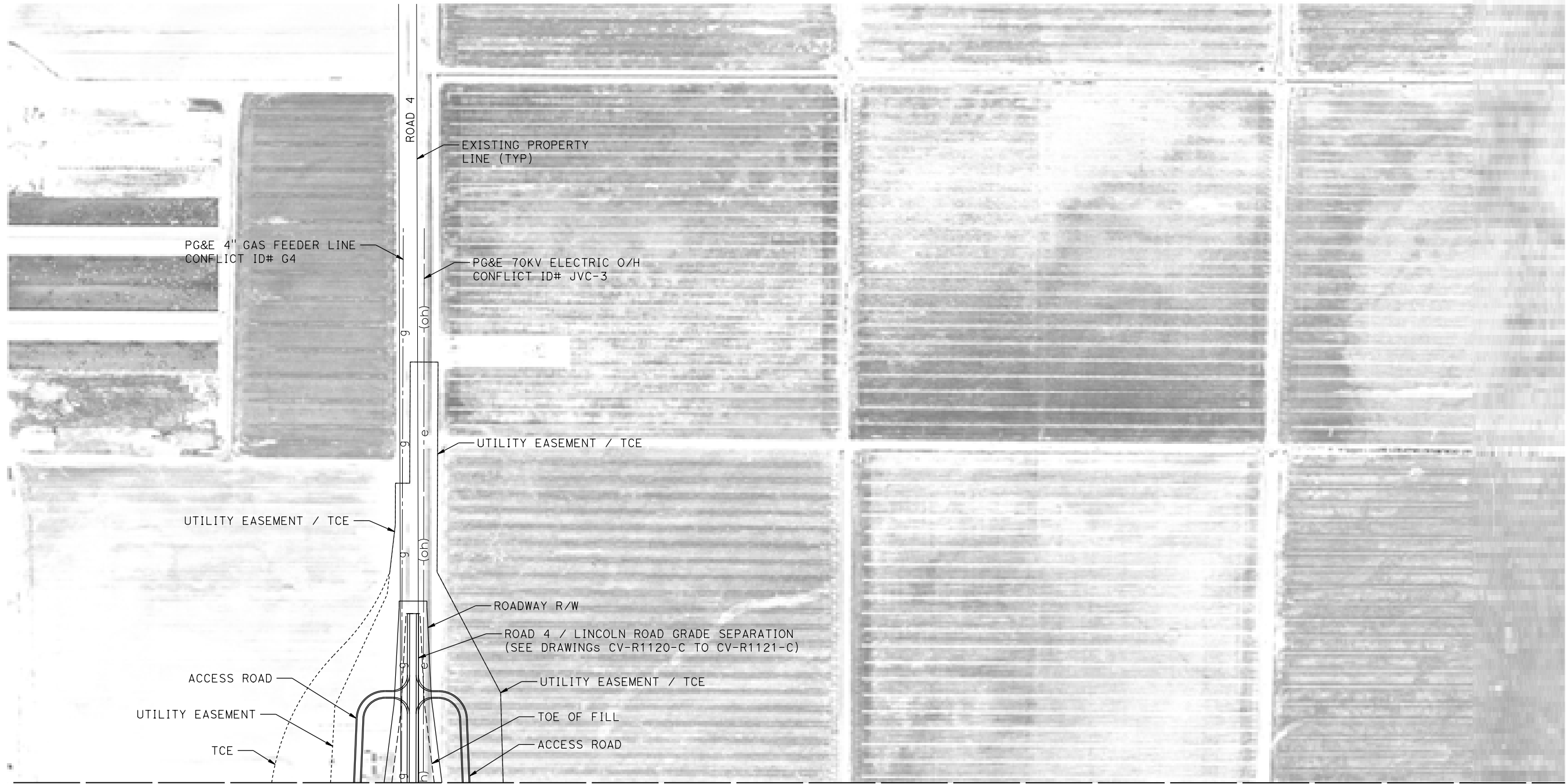
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1120-C

SCALE
1"=200'

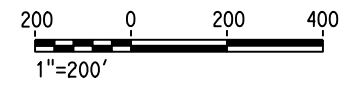
SHEET NO.

MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1120-C

PLAN



17-MAR-2016 11:16 MF-CV-S1121-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

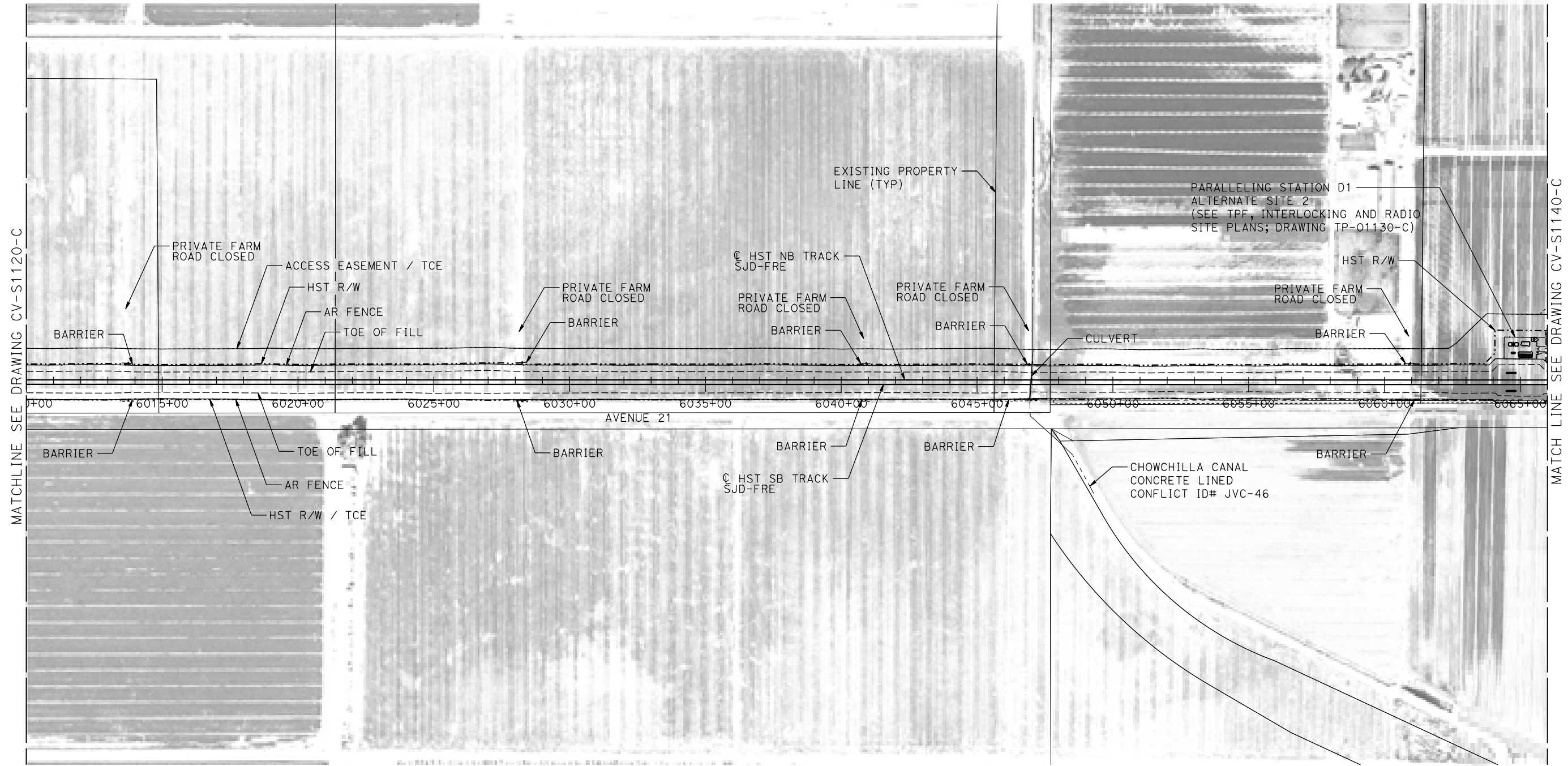
NOT FOR
CONSTRUCTION



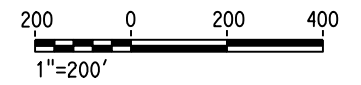
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1121-C
SCALE
1"=200'
SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 11:16 MF-CV-S1130-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6010+00 TO 6066+00

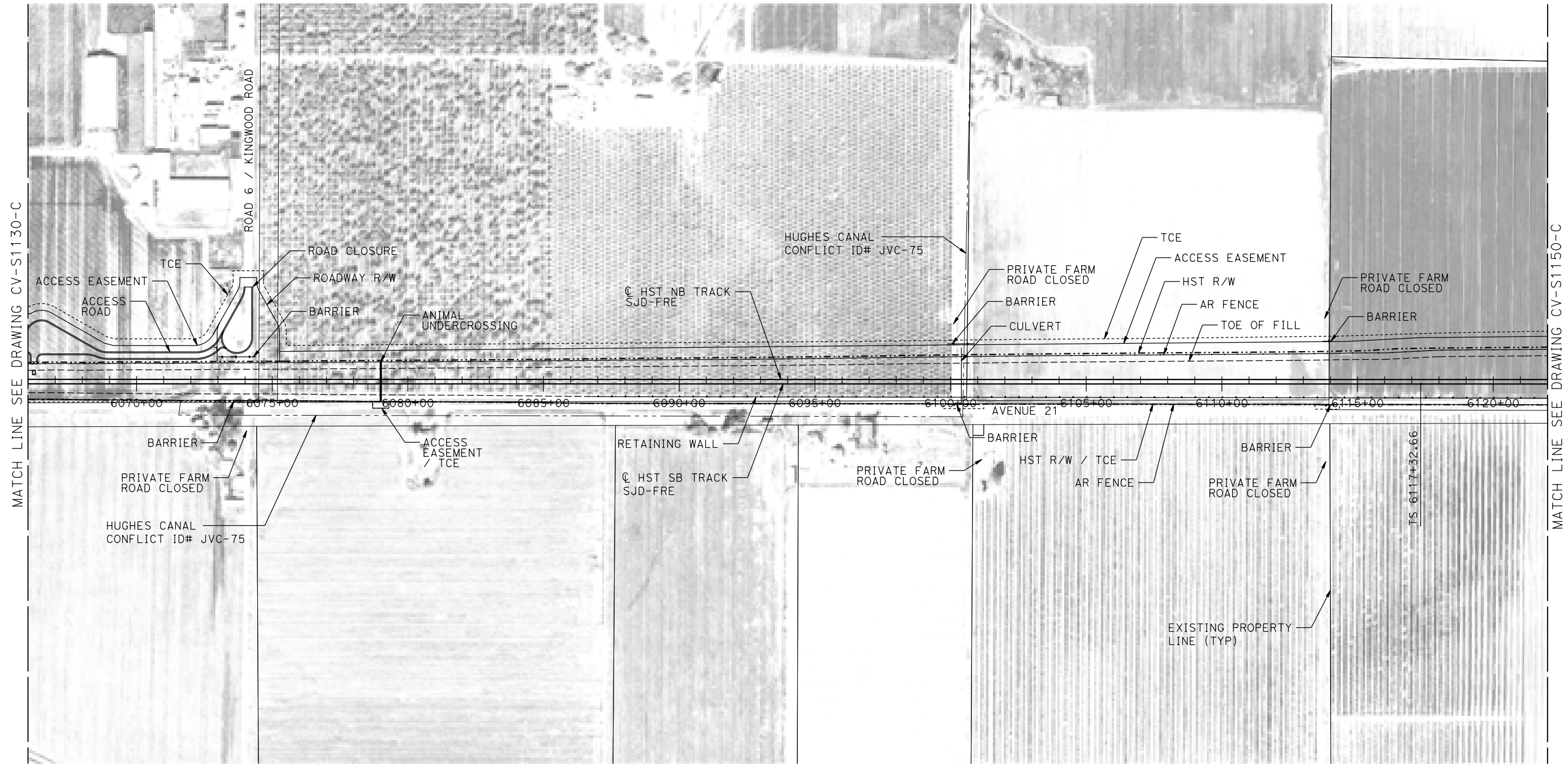
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1130-C

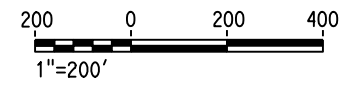
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 11:18 MF-CV-S1140-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6066+00 TO 6122+00

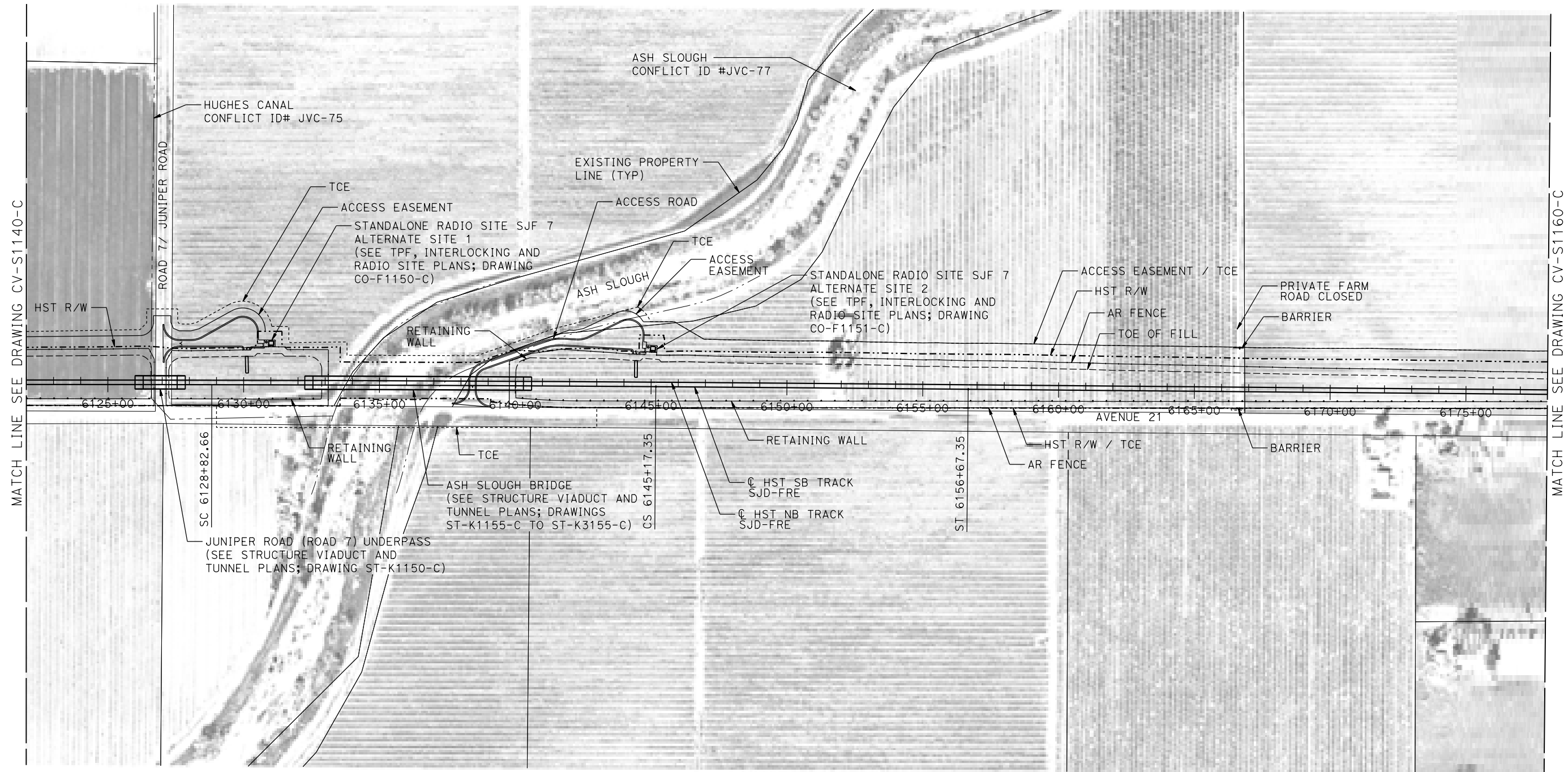
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1140-C

SCALE
1"=200'

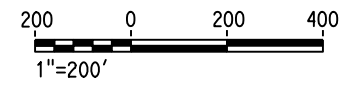
SHEET NO.

MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1160-C

PLAN



17-MAR-2016 11:19 MF-CV-S1150-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6122+00 TO 6178+00

CONTRACT NO.
HSR08-05

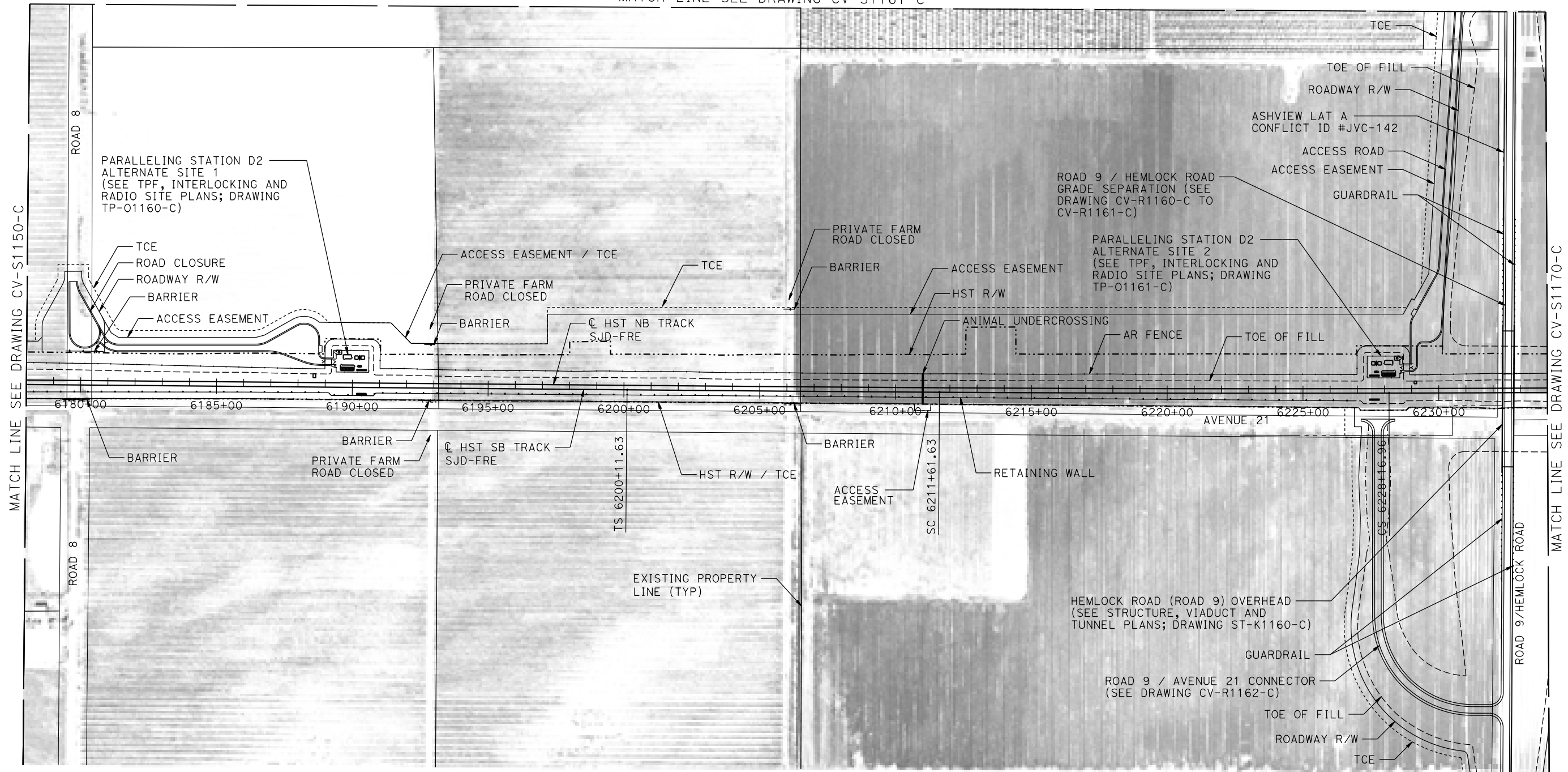
DRAWING NO.
CV-S1150-C

SCALE
1"=200'

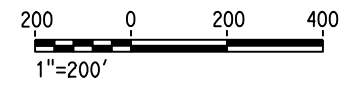
SHEET NO.

MADERA COUNTY

MATCH LINE SEE DRAWING CV-S1161-C



PLAN



18-MAR-2016 3:51 MF-CV-S1160-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN

SJD-FRE STA 6178+00 TO 6234+00

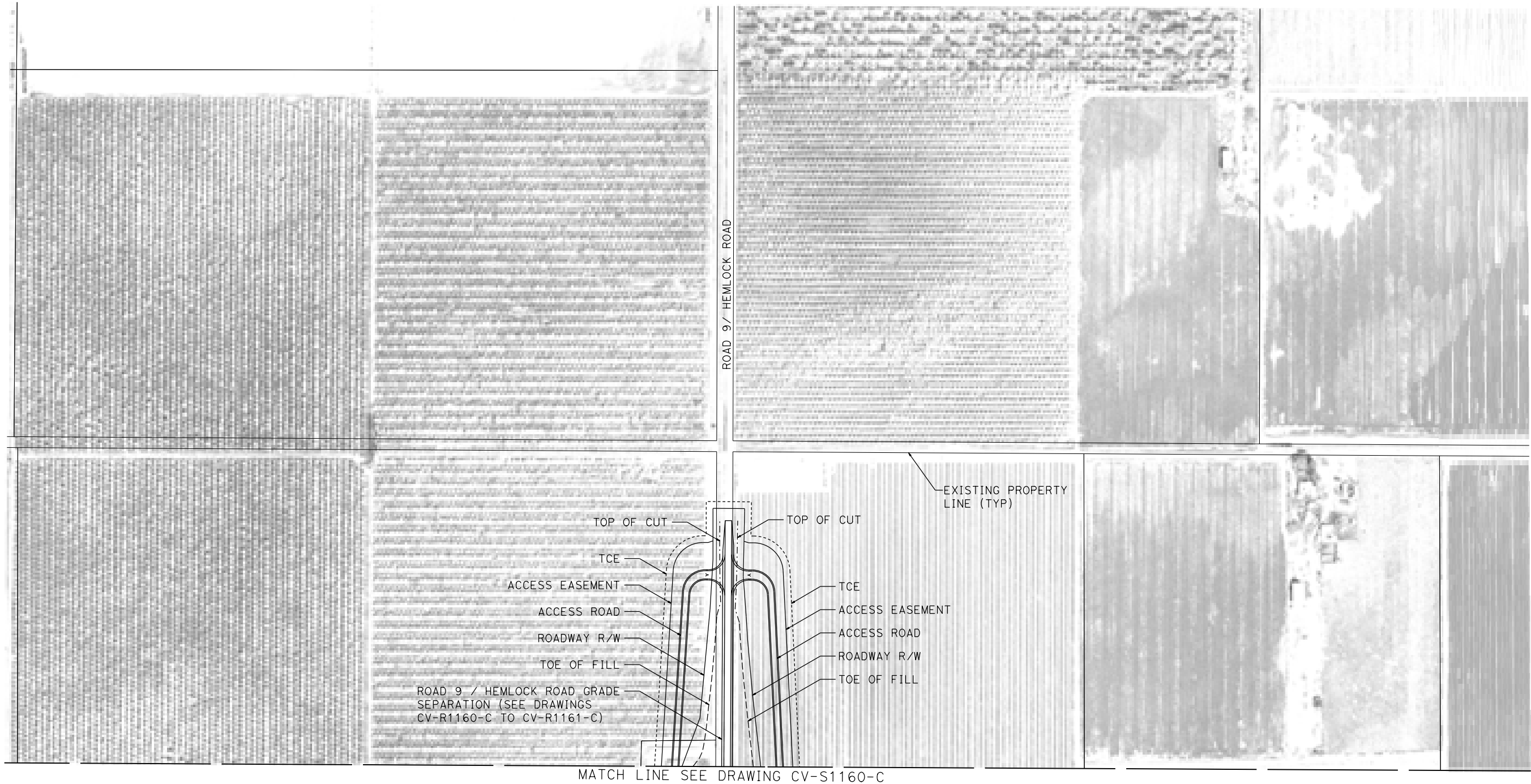
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1160-C

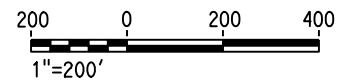
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



p005133a 17-MAR-2016 1:21 MF-CV-S1161-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

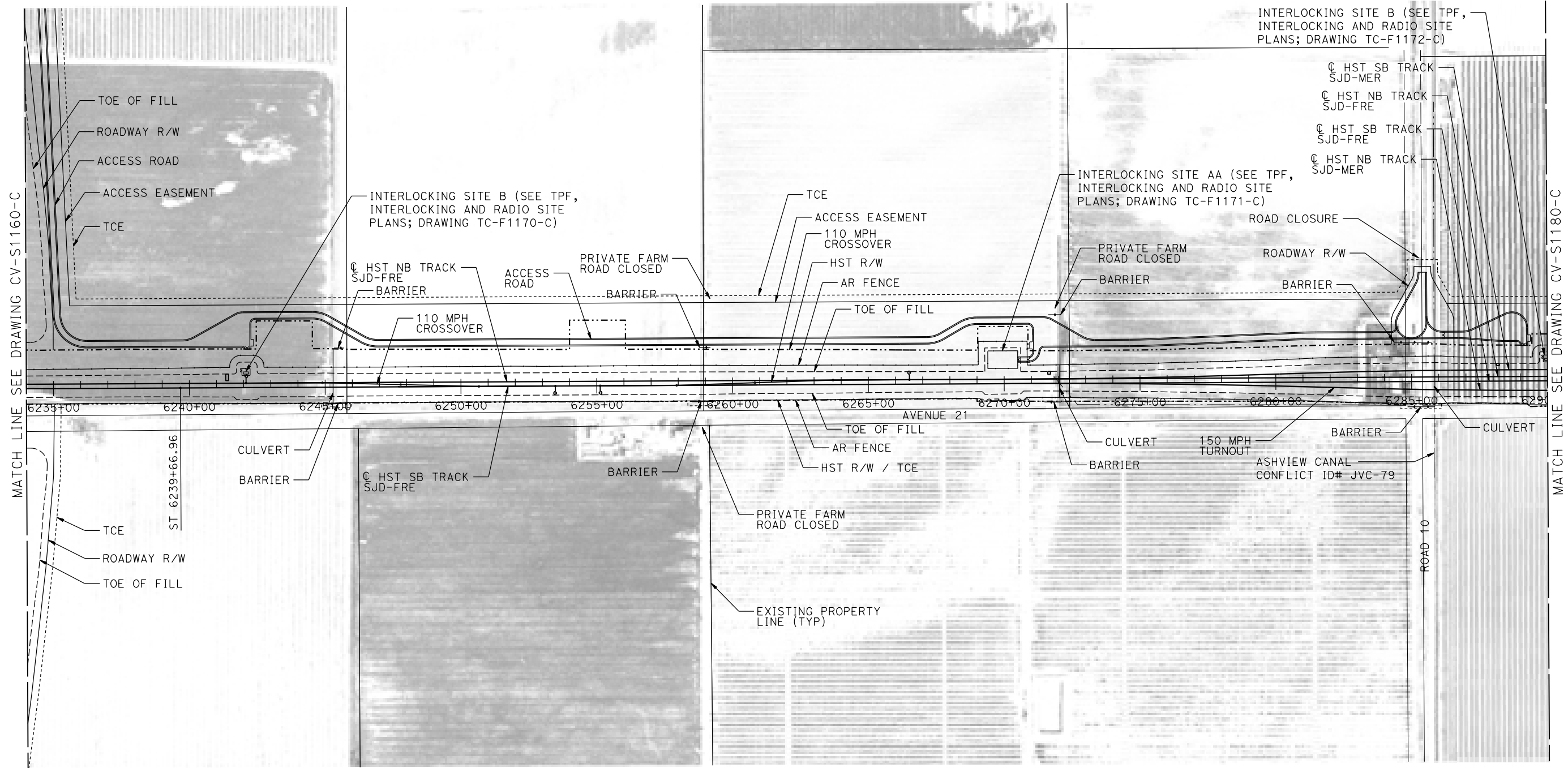
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

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

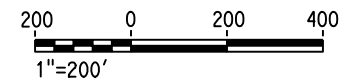
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1160-C

MATCH LINE SEE DRAWING CV-S1180-C

PLAN



17-MAR-2016 11:22 MF-CV-S1170-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6234+00 TO 6290+00

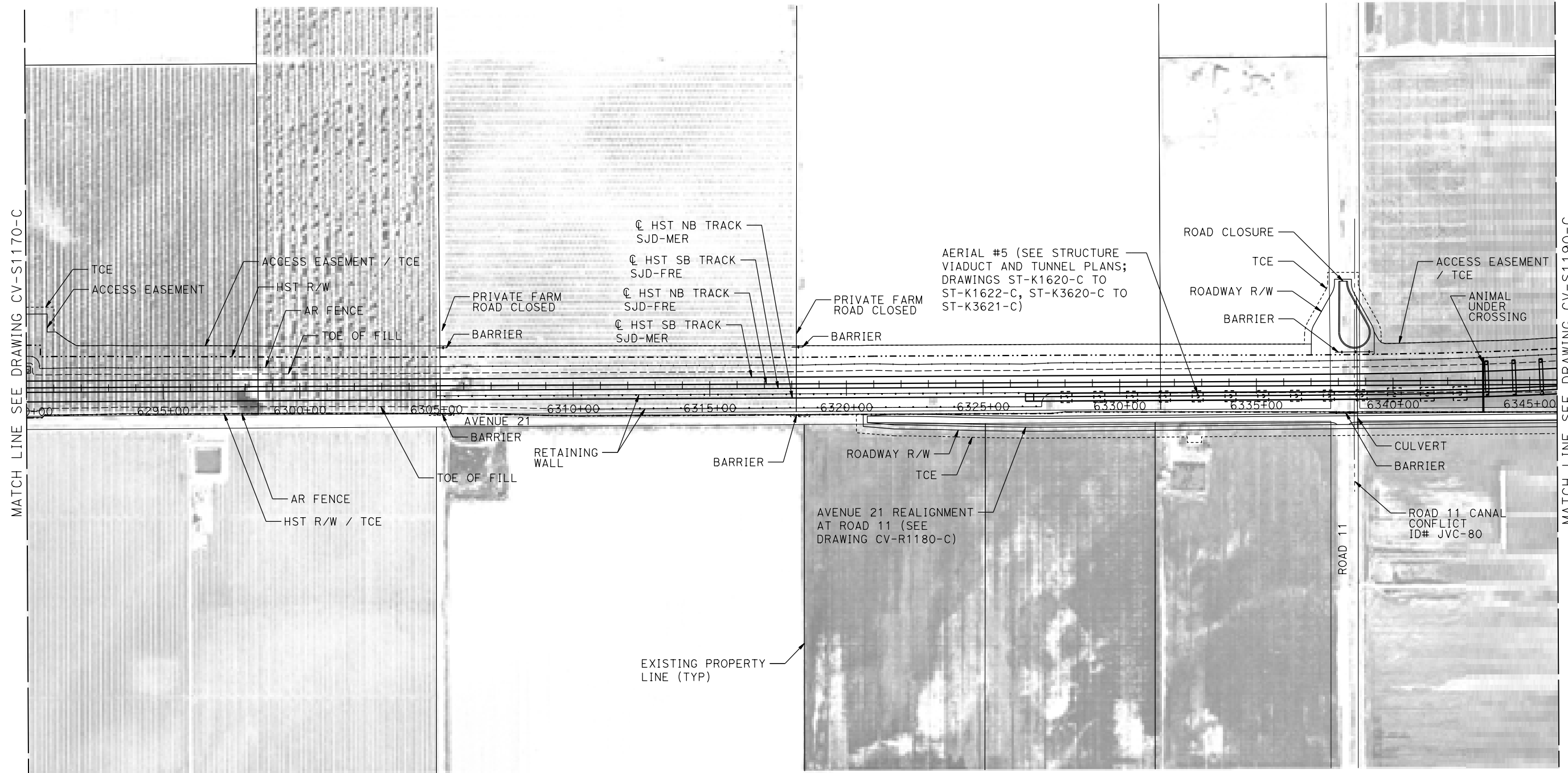
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1170-C

SCALE
1"=200'

SHEET NO.

MADERA COUNTY

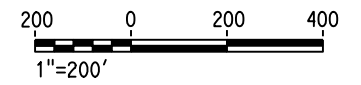


MATCH LINE SEE DRAWING CV-S1170-C

MATCH LINE SEE DRAWING CV-S1190-C



PLAN



17-MAR-2016 11:23 MF-CV-S1180-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

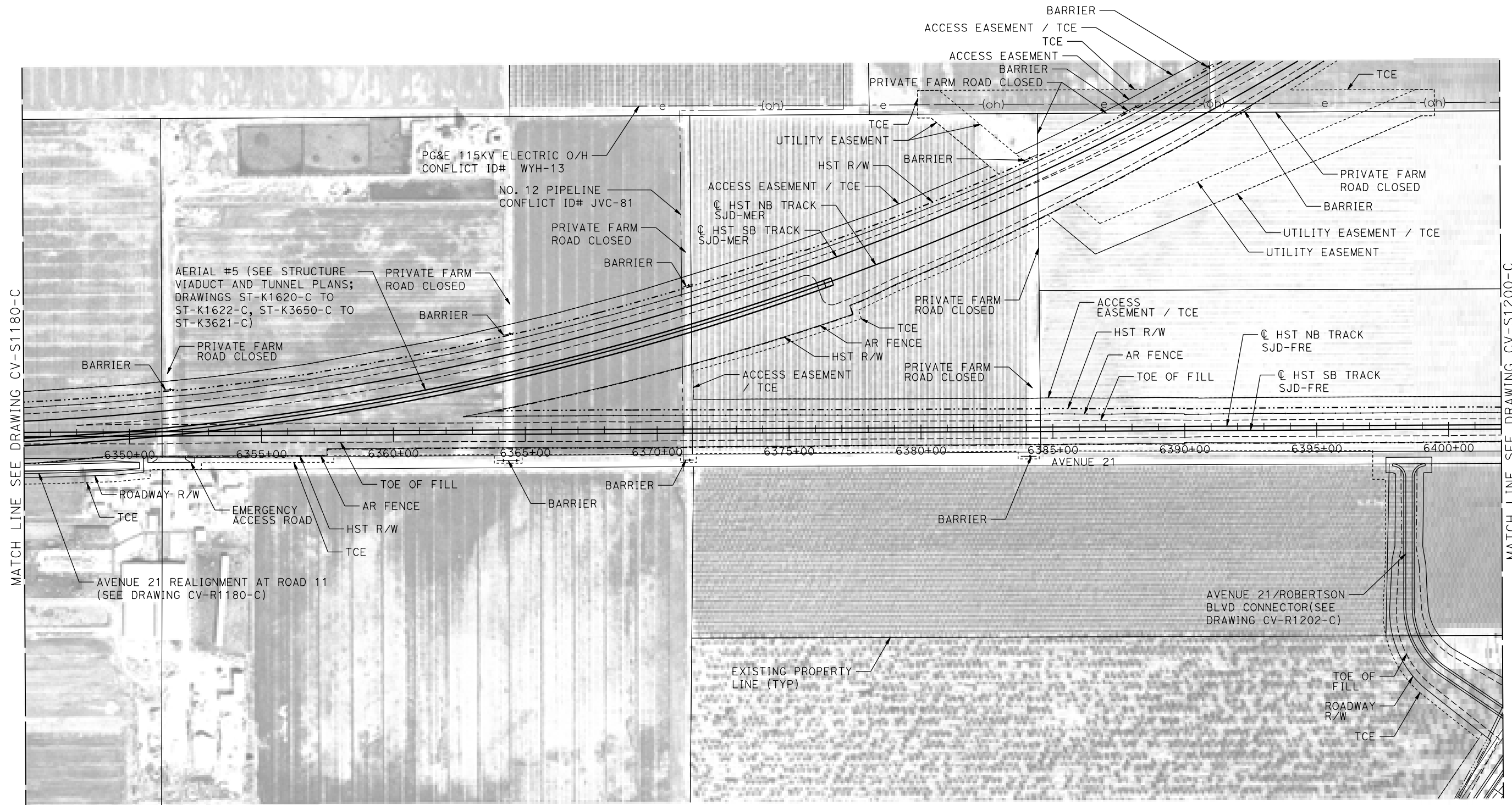
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6290+00 TO 6346+00

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

MADERA COUNTY

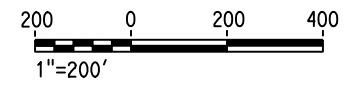


MATCH LINE SEE DRAWING CV-S1180-C

MATCH LINE SEE DRAWING CV-S1200-C



PLAN



17-MAR-2016 11:24 MF-CV-S1190-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

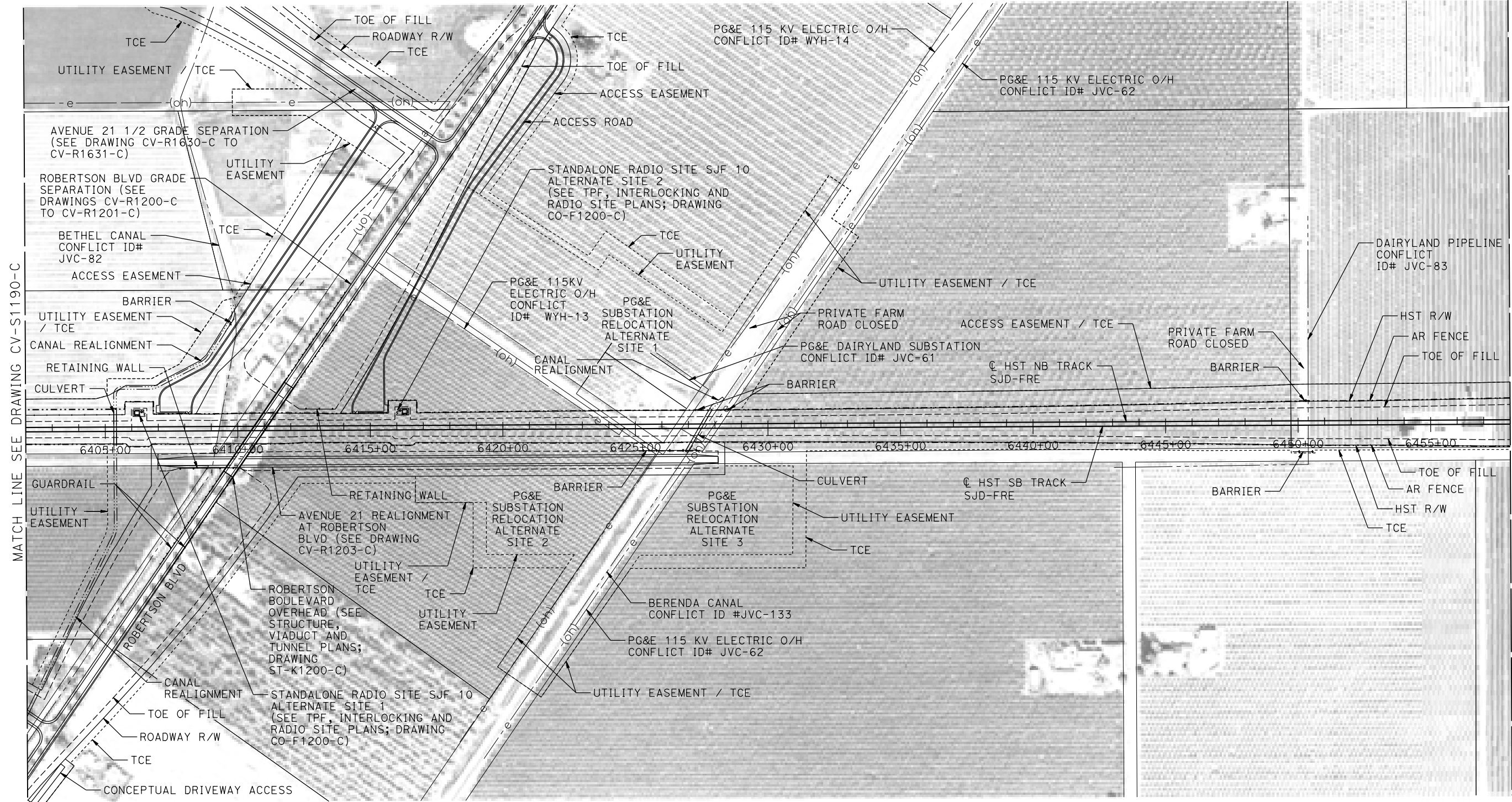
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6346+00 TO 6402+00

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

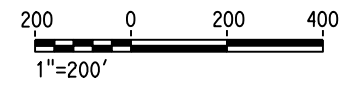
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1190-C

MATCH LINE SEE DRAWING CV-S1210-C

PLAN



17-MAR-2016 11:25 MF-CV-S1200-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

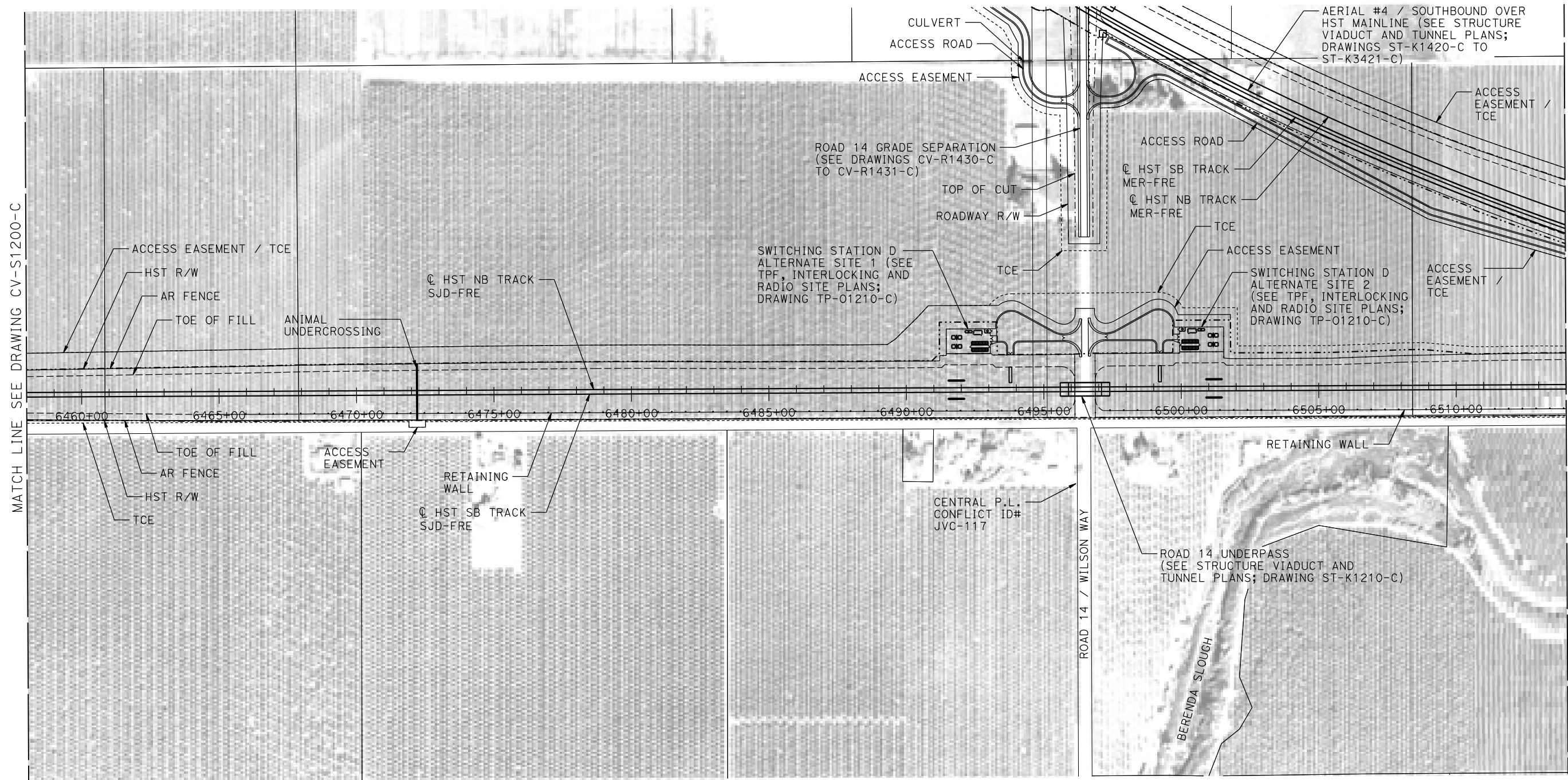
NOT FOR
CONSTRUCTION



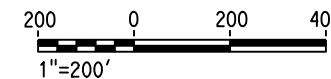
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6402+00 TO 6458+00

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

MADERA COUNTY



PLAN



MF-CV-S1210-C.dgn

17-MAR-2016 11:26 P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6458+00 TO 6514+00

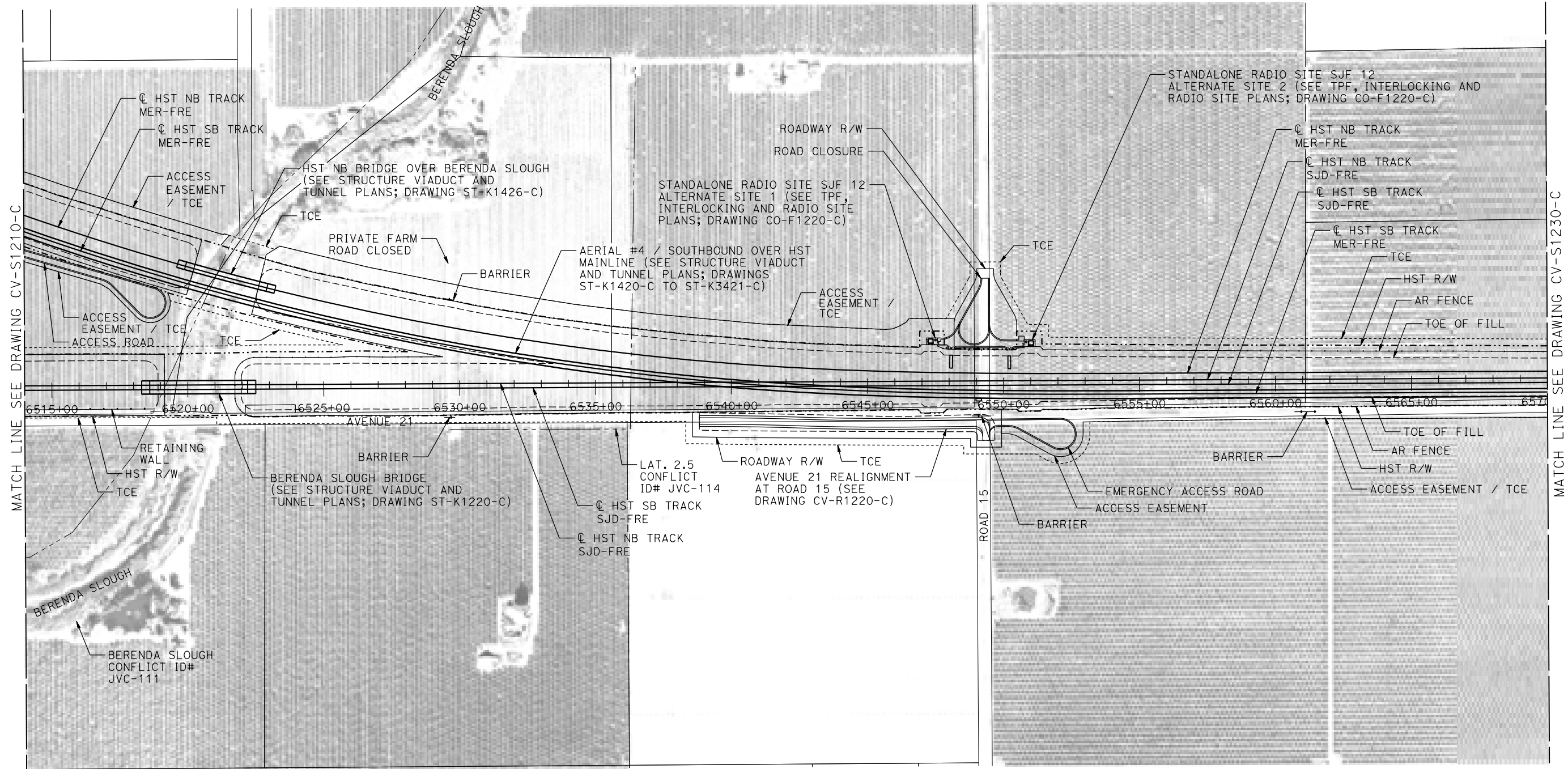
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1210-C

SCALE
1"=200'

SHEET NO.

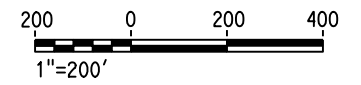
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1210-C

MATCH LINE SEE DRAWING CV-S1230-C

PLAN



17-MAR-2016 1:28 MF-CV-S1220-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6514+00 TO 6570+00

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1220-C

SCALE
1"=200'

SHEET NO.

MADERA COUNTY



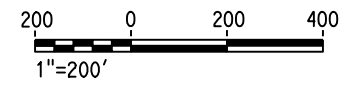
MATCH LINE SEE DRAWING CV-S1231-C



MATCH LINE SEE DRAWING CV-S1220-C

MATCH LINE SEE DRAWING CV-S1240-C

PLAN



17-MAR-2016 11:29 MF-CV-S1230-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



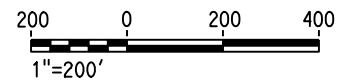
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6570+00 TO 6626+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1230-C
SCALE
1"=200'
SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 1:30 MF-CV-S1231-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
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CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

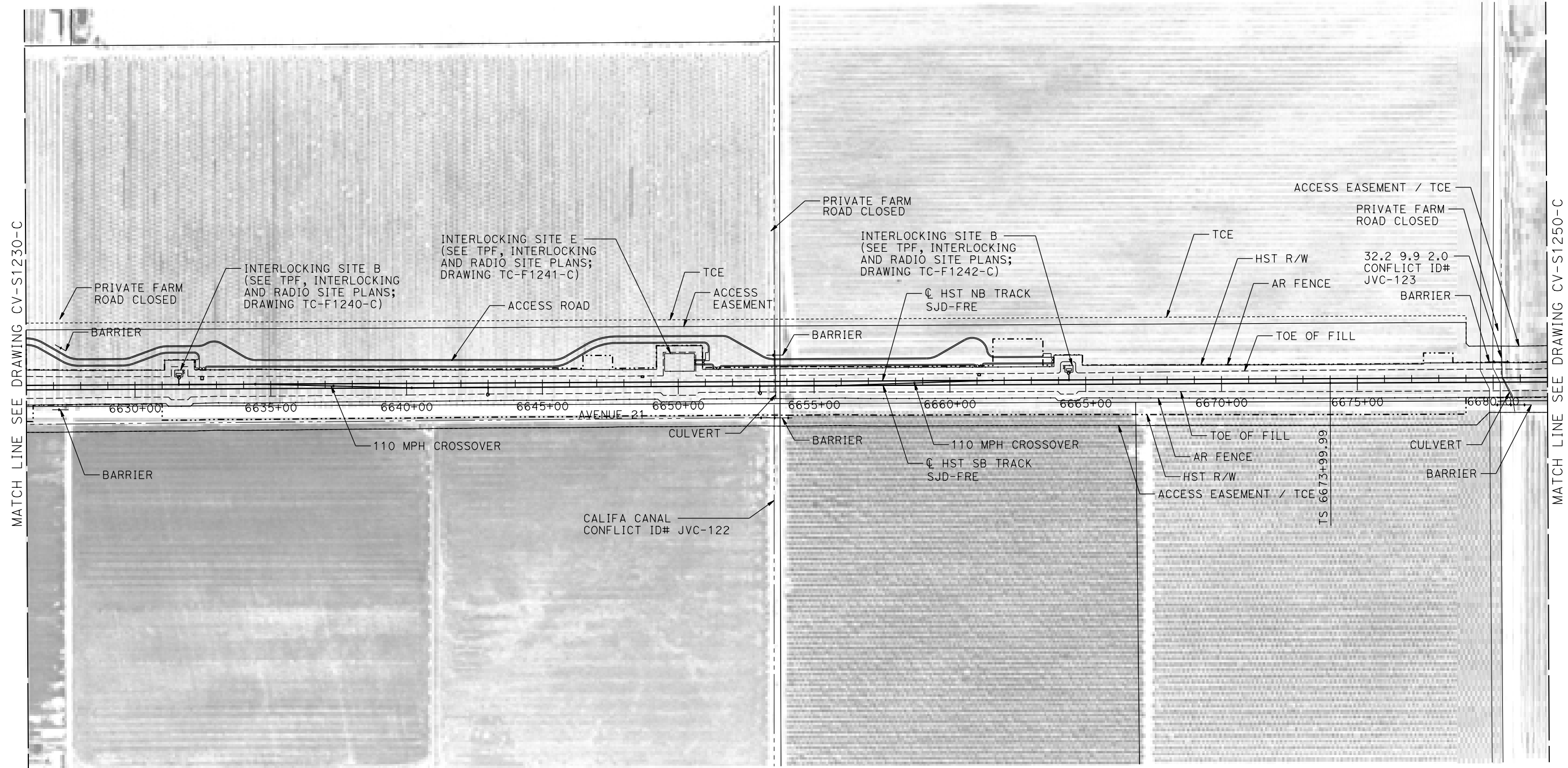
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1231-C

SCALE
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SHEET NO.

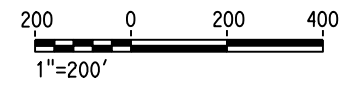
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1230-C

MATCH LINE SEE DRAWING CV-S1250-C

PLAN



17-MAR-2016 1:30 MF-CV-S1240-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

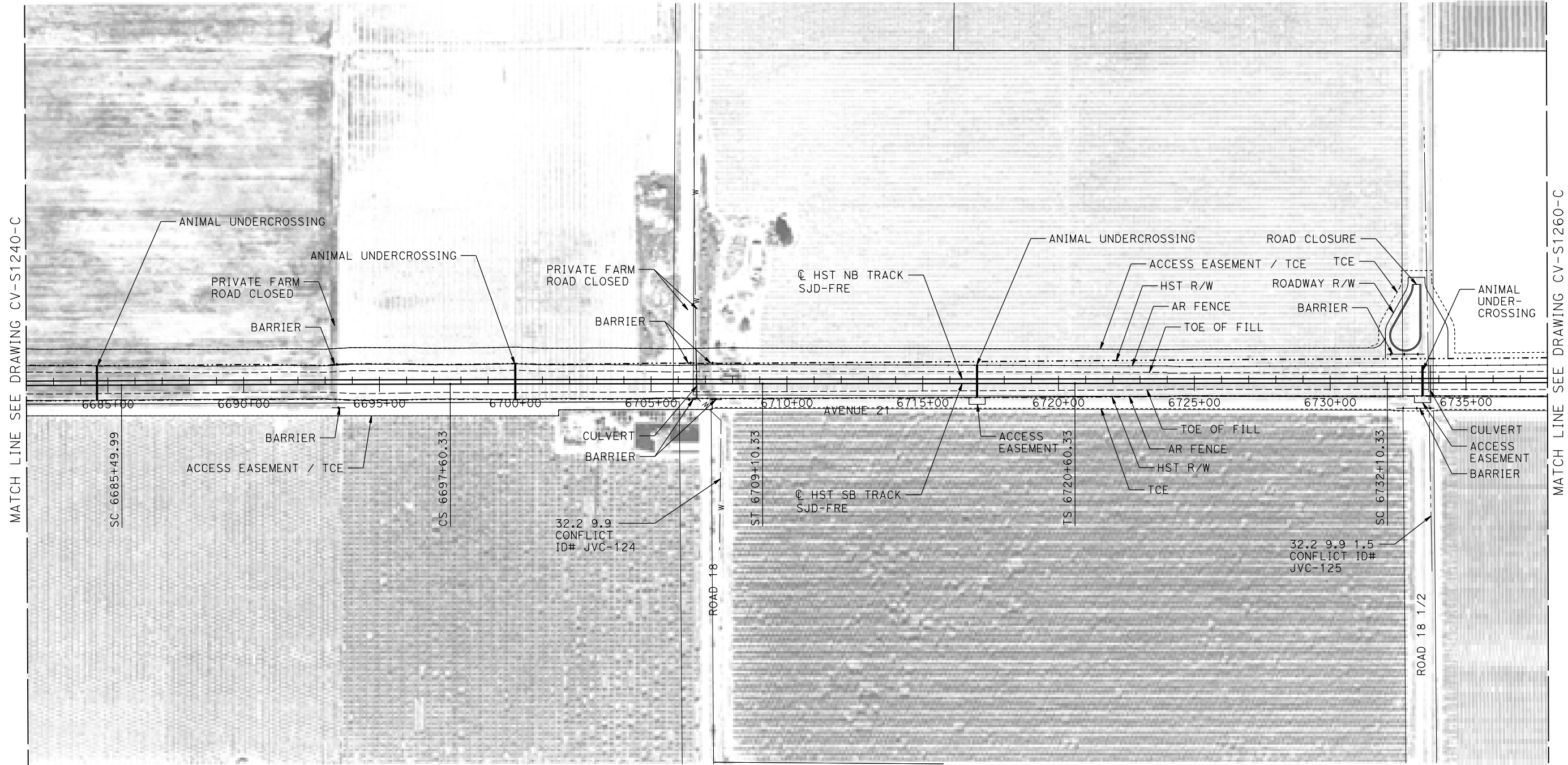
NOT FOR
CONSTRUCTION



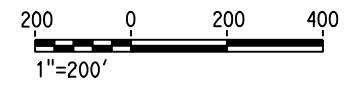
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6626+00 TO 6682+00

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

MADERA COUNTY



PLAN



17-MAR-2016 1:31 MF-CV-S1250-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

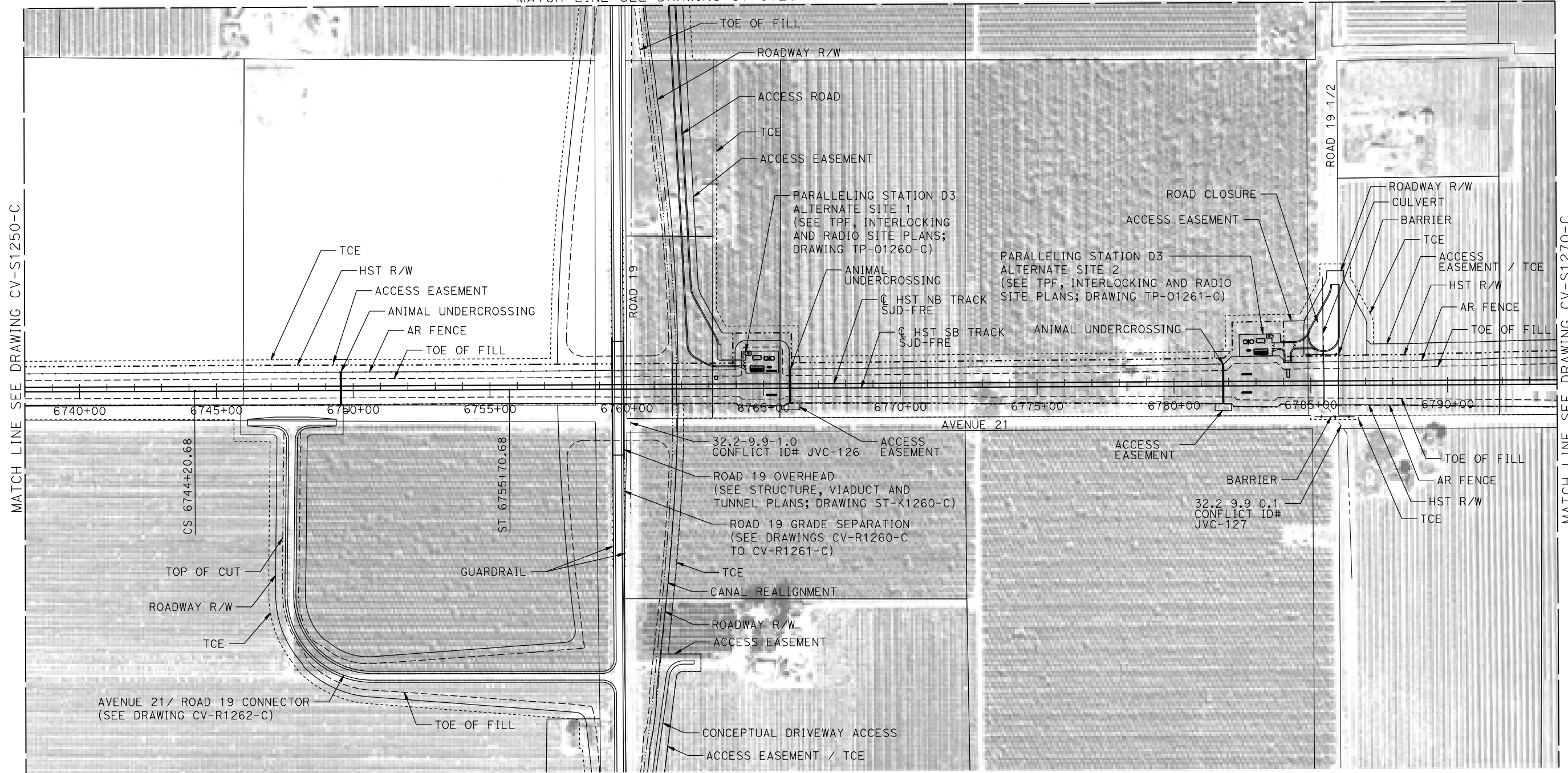


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6682+00 TO 6738+00

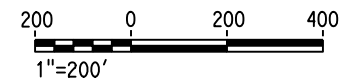
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1250-C
SCALE
1"=200'
SHEET NO.

MADERA COUNTY

MATCH LINE SEE DRAWING CV-S1261-C



PLAN



17-MAR-2016 1:32 MF-CV-S1260-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6738+00 TO 6794+00

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1260-C

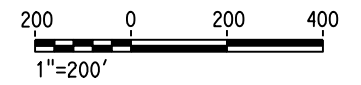
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 1:33 MF-CV-S1261-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

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M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

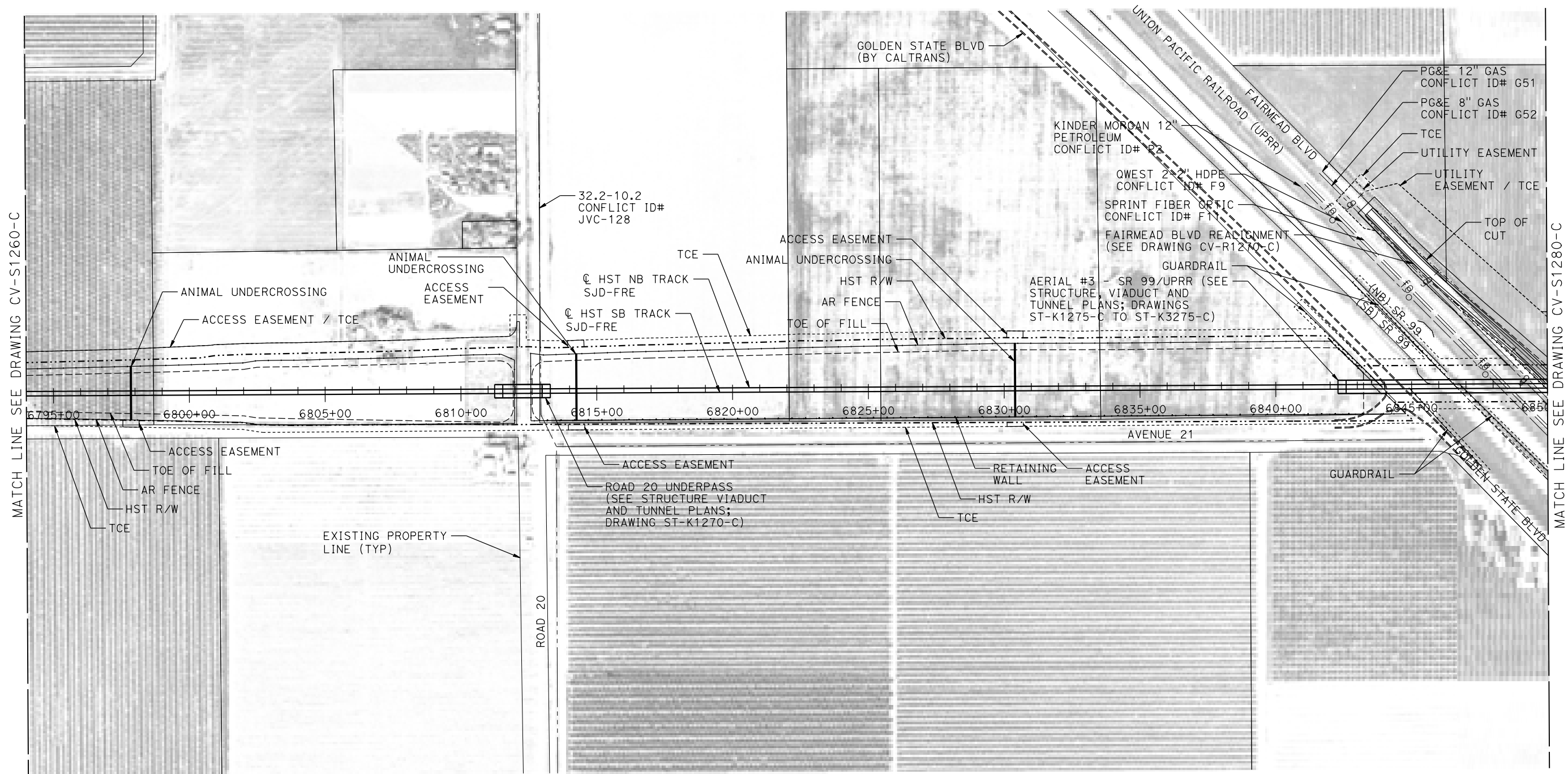
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1261-C

SCALE
1"=200'

SHEET NO.

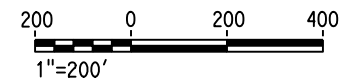
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1260-C

MATCH LINE SEE DRAWING CV-S1280-C

PLAN



17-MAR-2016 1:34 MF-CV-S1270-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6794+00 TO 6850+00

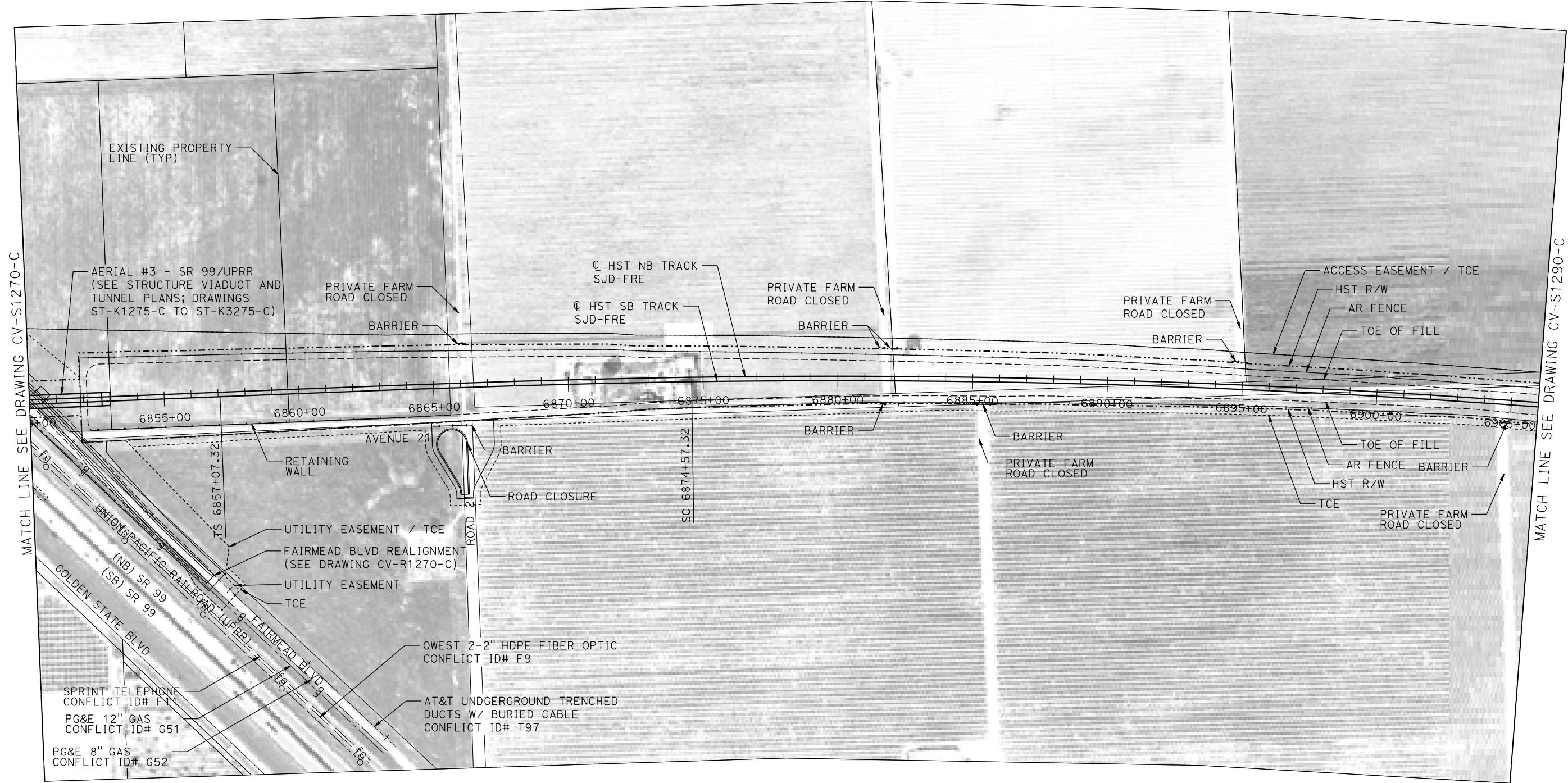
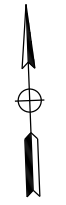
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1270-C

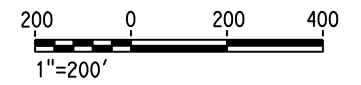
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 3:52 MF-CV-S1280-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6850+00 TO 6906+00

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1280-C

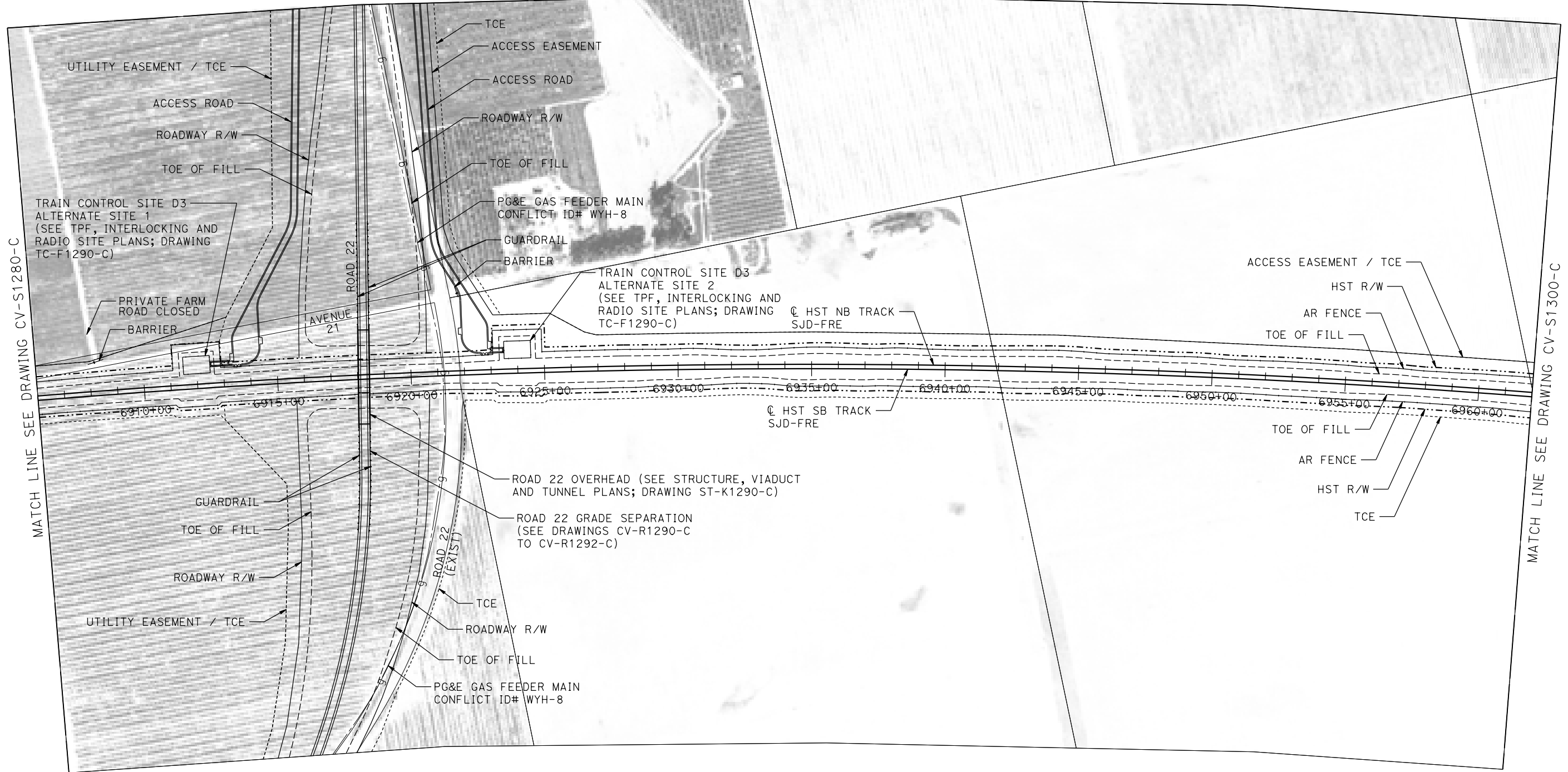
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



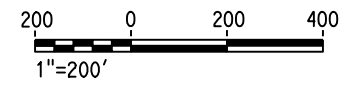
MATCH LINE SEE DRAWING CV-S1291-C



MATCH LINE SEE DRAWING CV-S1280-C

MATCH LINE SEE DRAWING CV-S1300-C

PLAN



17-MAR-2016 11:36 MF-CV-S1290-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

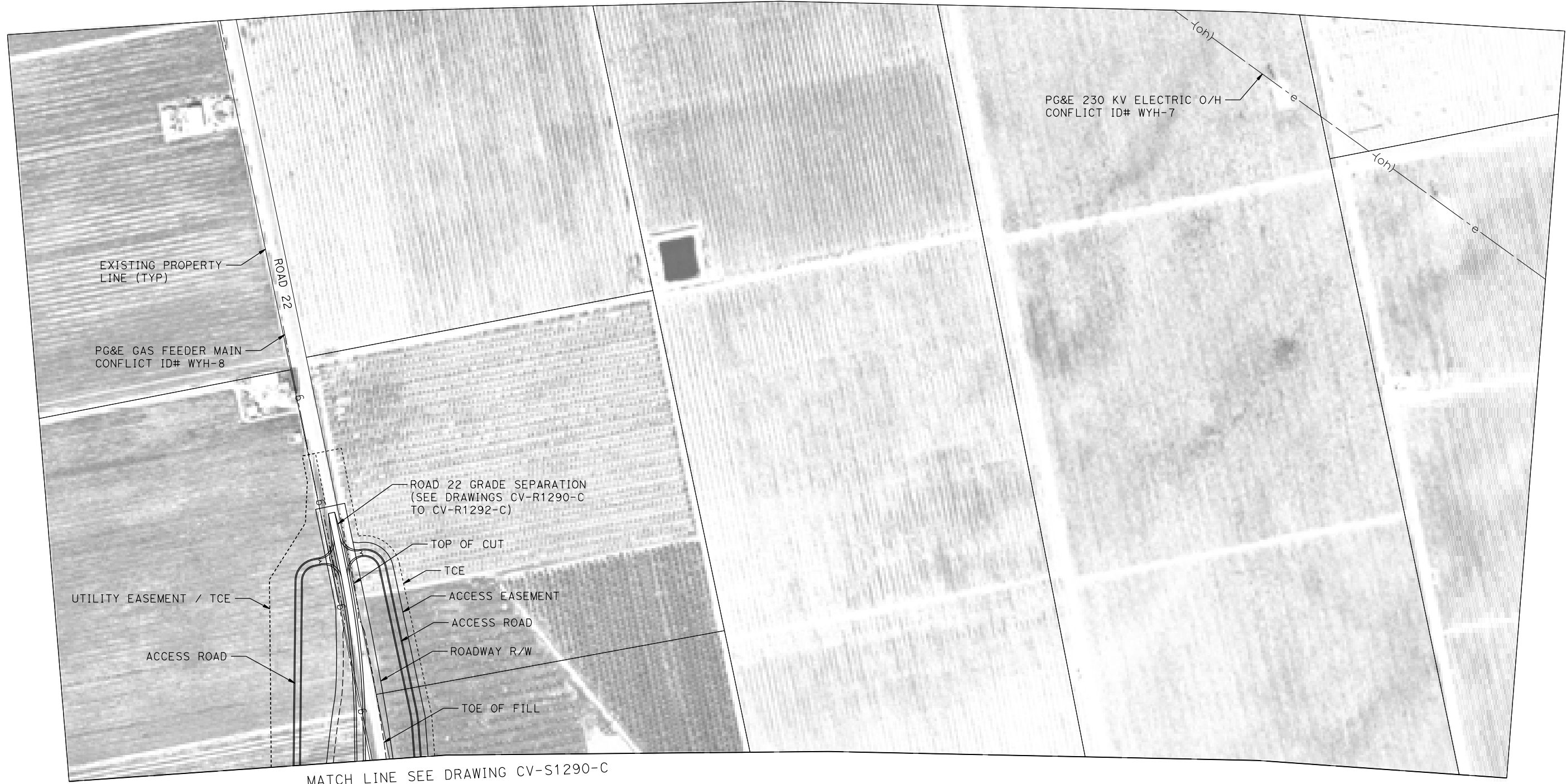
NOT FOR
CONSTRUCTION



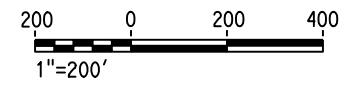
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6906+00 TO 6962+00

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

MADERA COUNTY



PLAN



18-MAR-2016 13:53 MF-CV-S1291-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

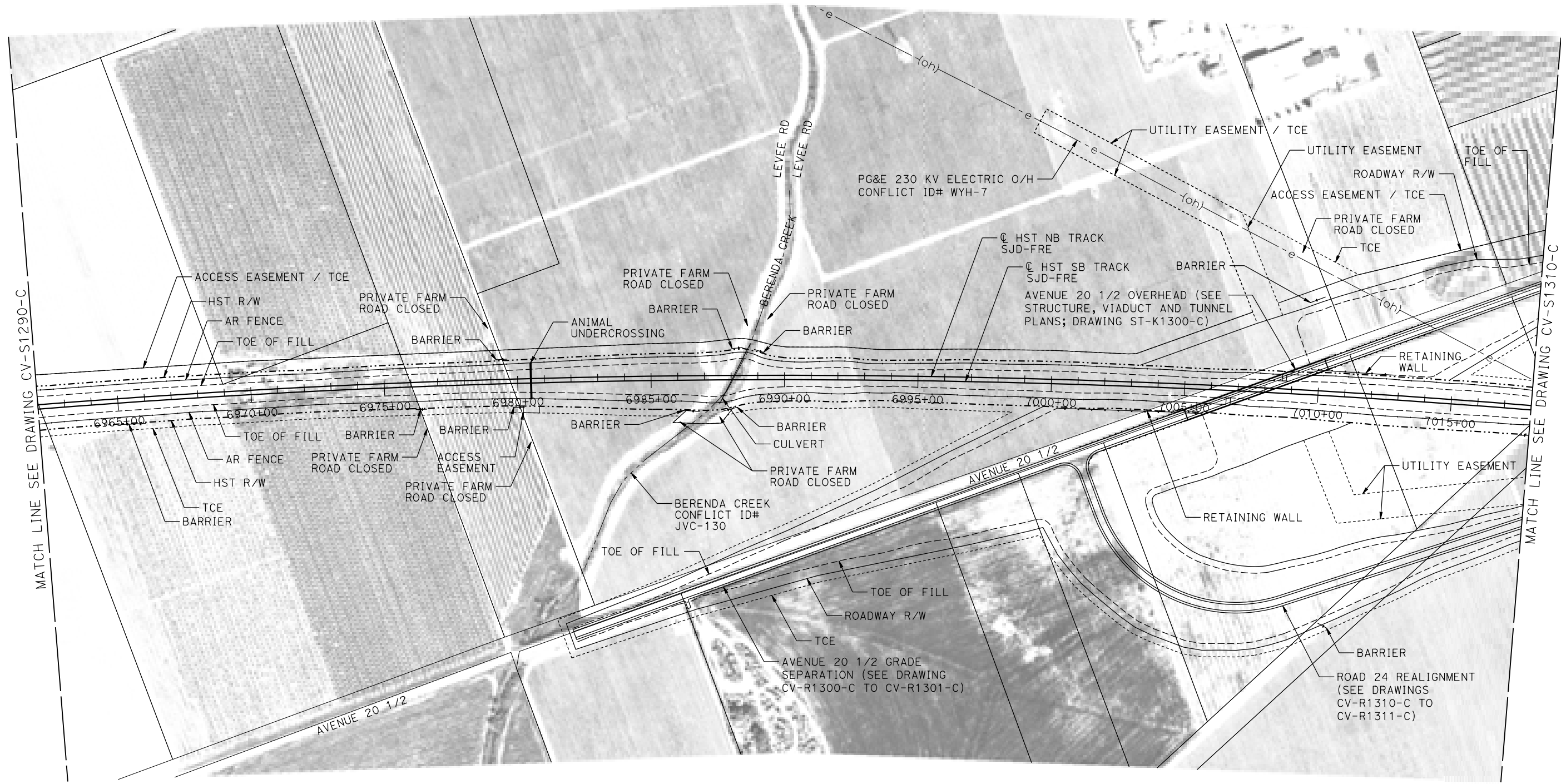
NOT FOR
CONSTRUCTION



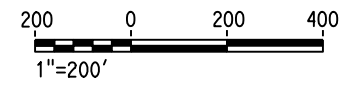
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE ACCESS ROAD

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

MADERA COUNTY



PLAN



17-MAR-2016 1:37 MF-CV-S1300-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6962+00 TO 7018+00

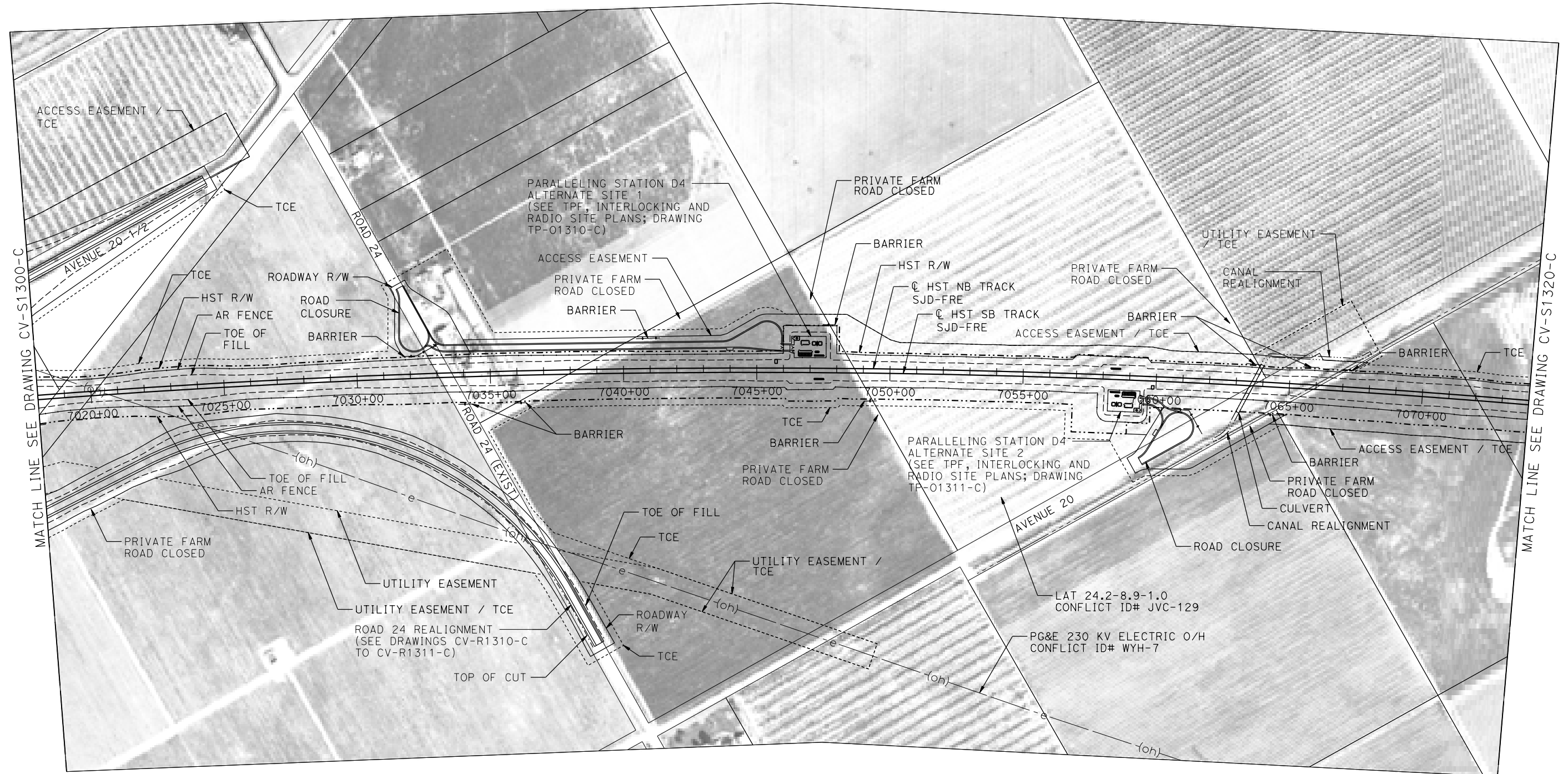
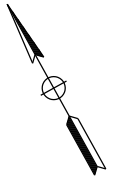
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1300-C

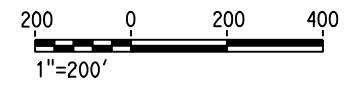
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 1:37 MF-CV-S1310-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7018+00 TO 7074+00

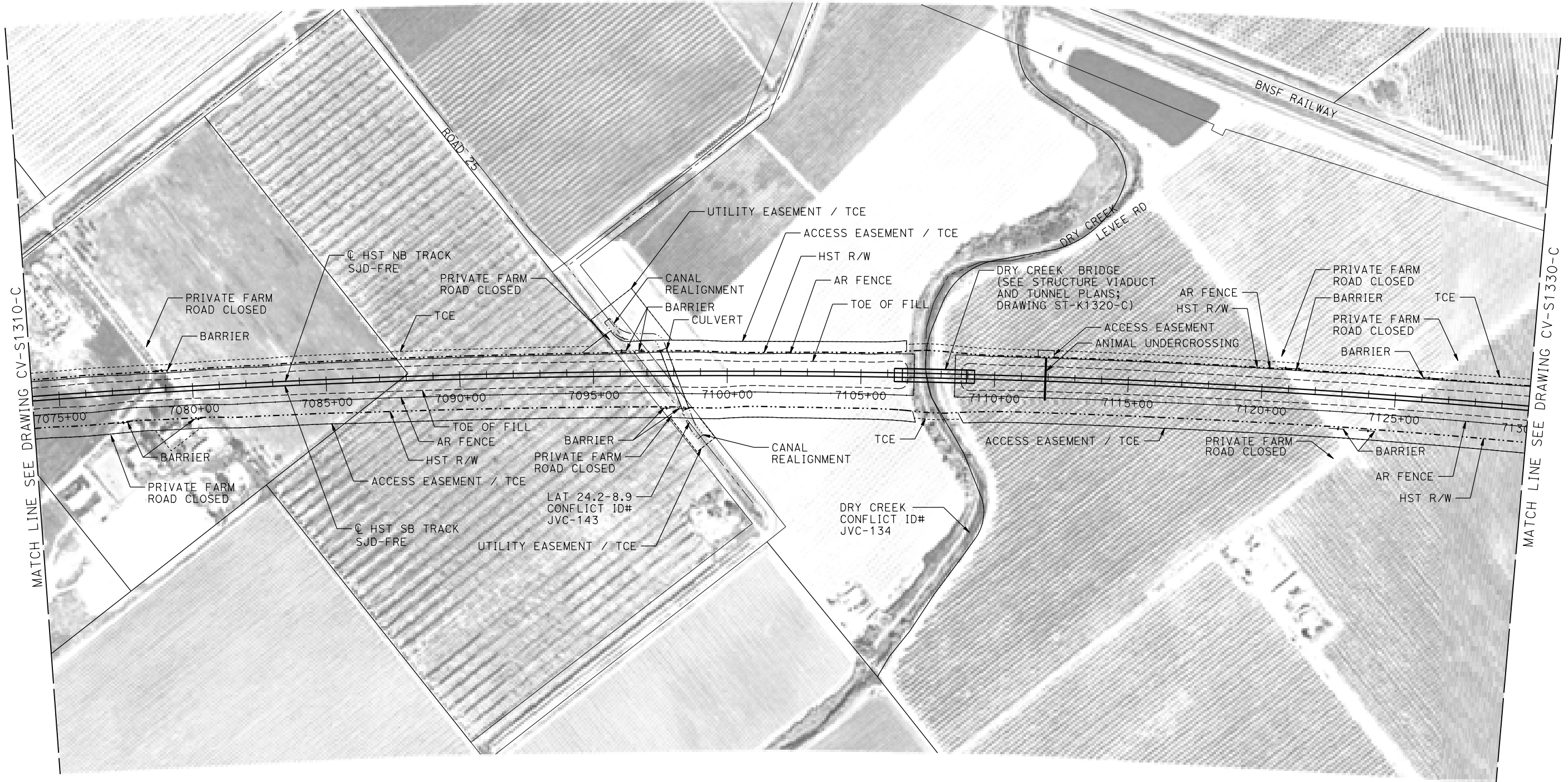
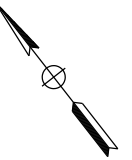
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1310-C

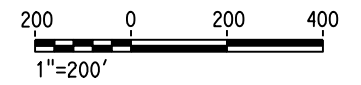
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 11:38 MF-CV-S1320-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7074+00 TO 7130+00

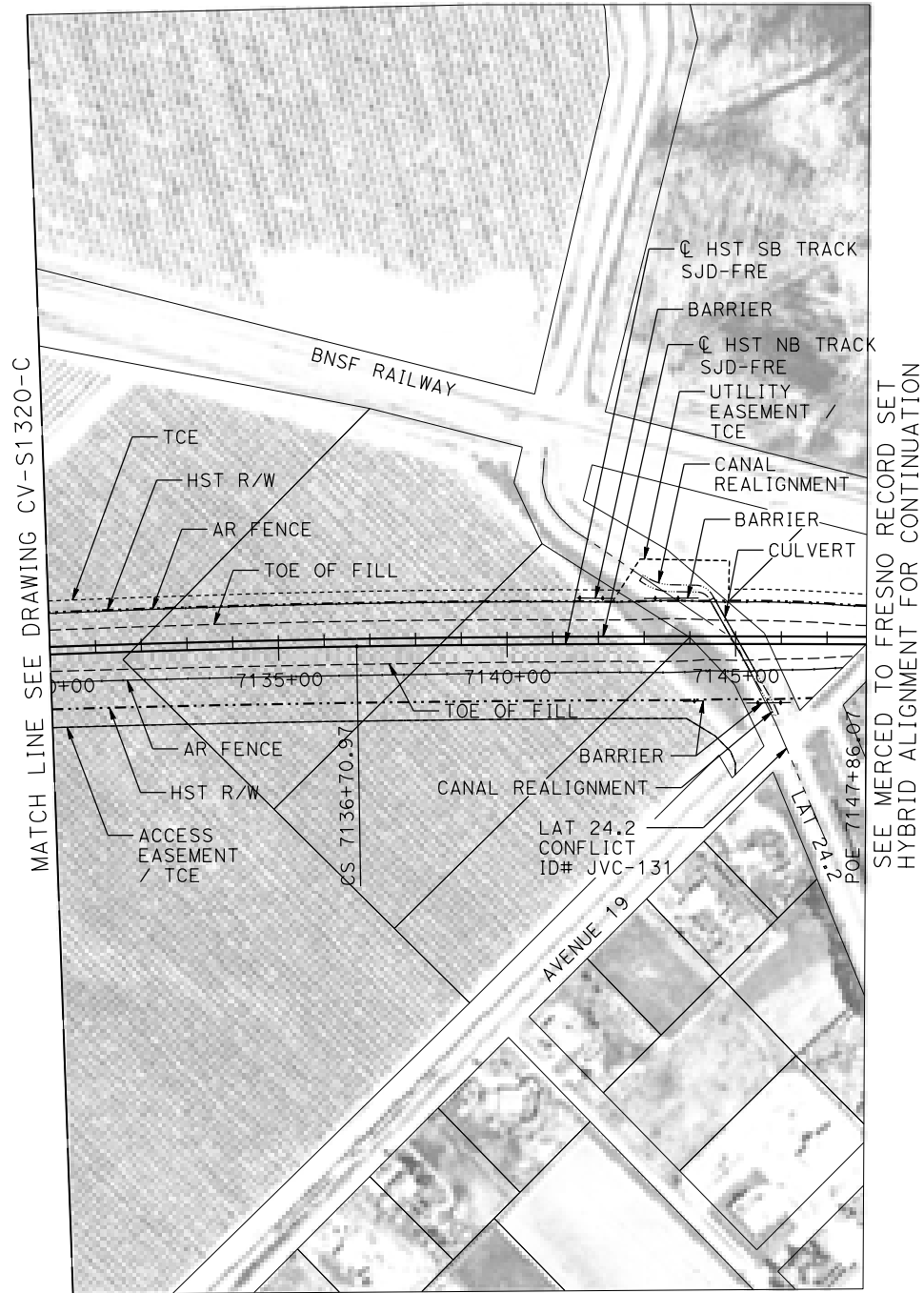
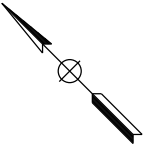
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1320-C

SCALE
1"=200'

SHEET NO.

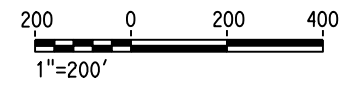
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1320-C

SEE MERCED TO FRESNO RECORD SET HYBRID ALIGNMENT FOR CONTINUATION

PLAN



18-MAR-2016 13:53 MF-CV-S1330-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

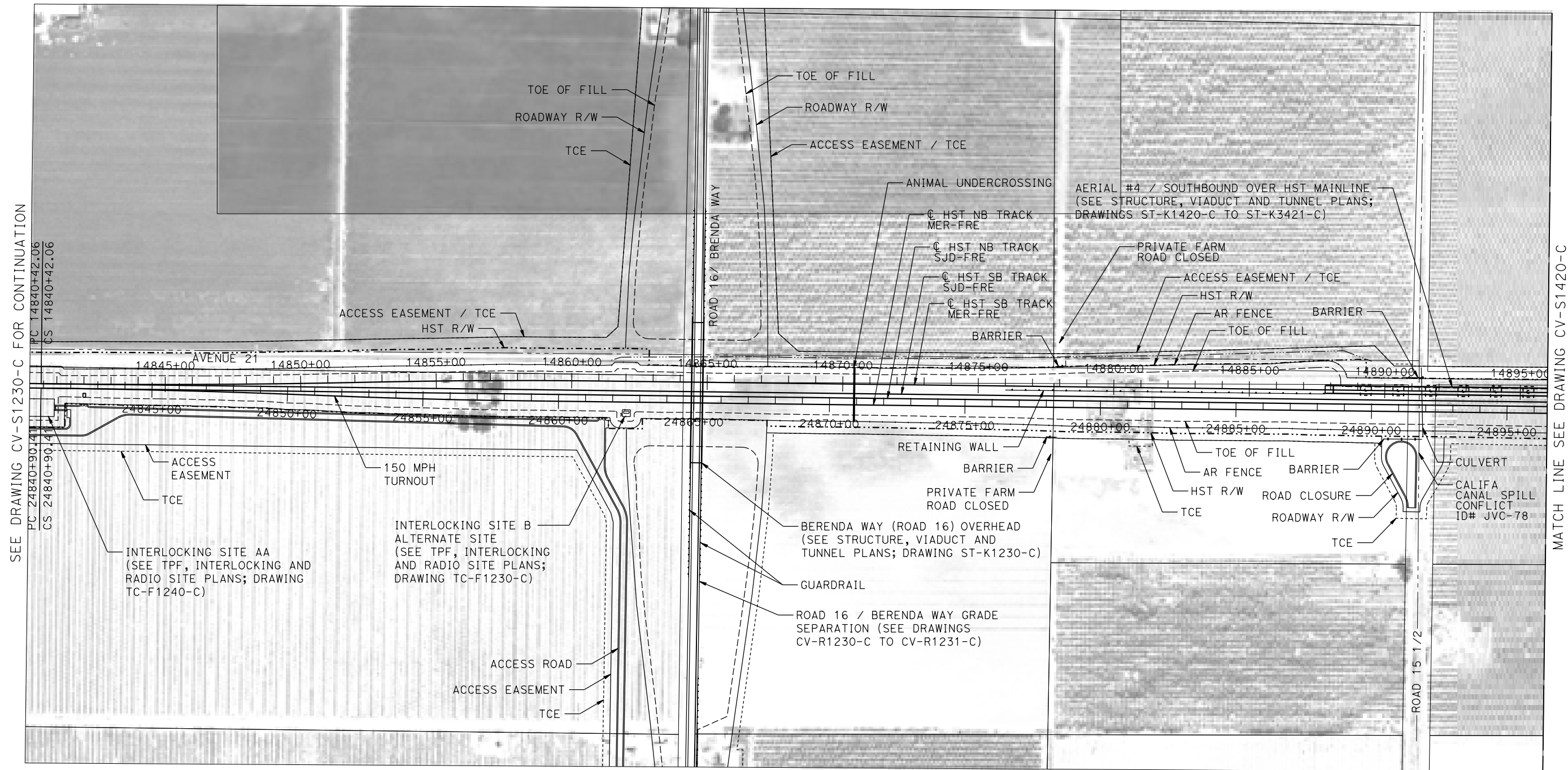
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7130+00 TO 7147+86.07

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

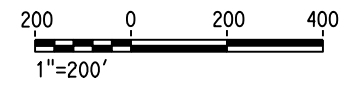
MADERA COUNTY



SEE DRAWING CV-S1230-C FOR CONTINUATION
 PC 14840+42.06
 CS 14840+42.06
 PC 24840+90.41
 CS 24840+90.41

MATCH LINE SEE DRAWING CV-S1420-C

PLAN



17-MAR-2016 1:39 MF-CV-S1410-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

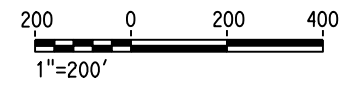
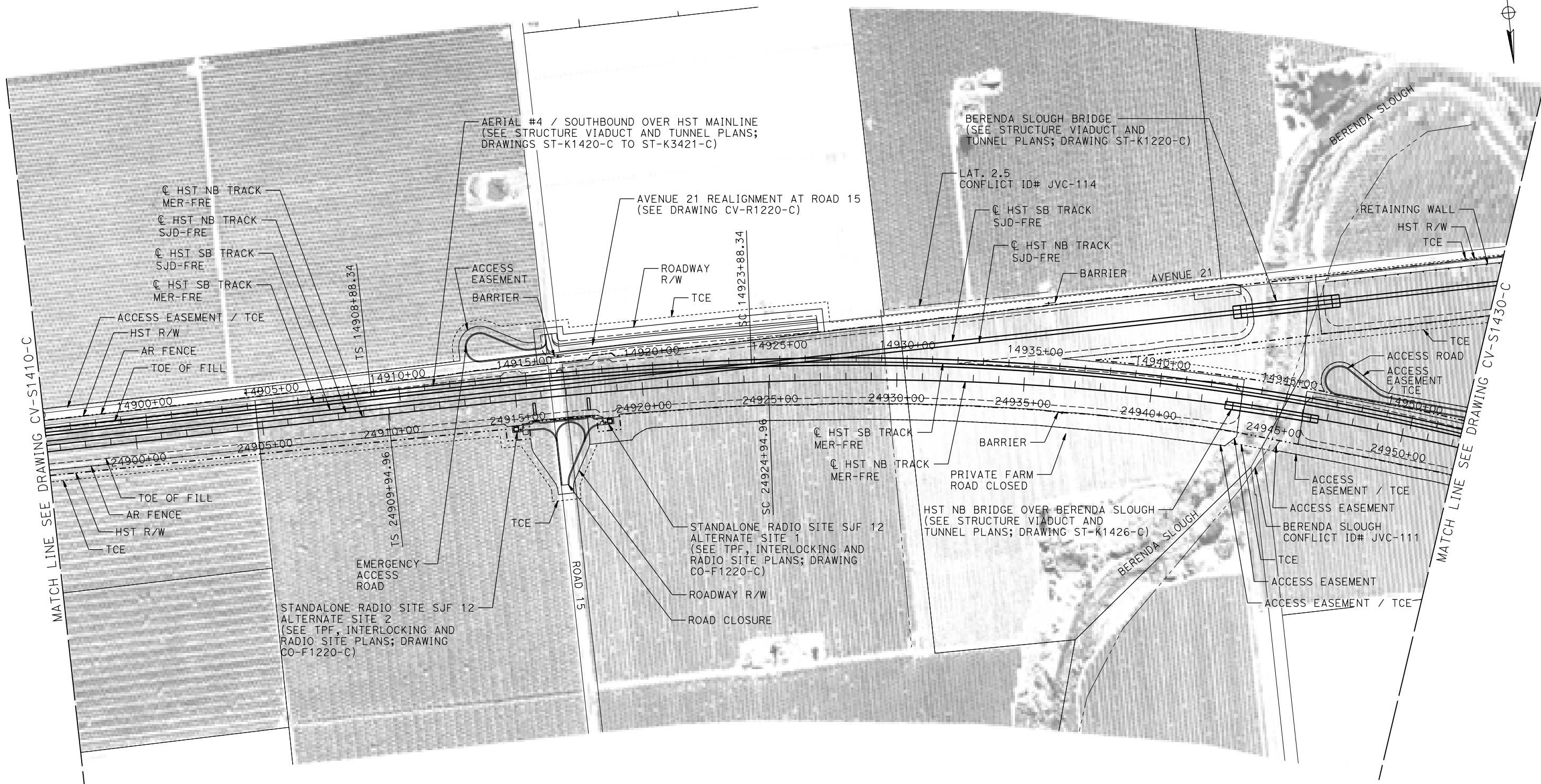
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 CIVIL PLAN
 MER-FRE STA 14840+00 TO 14896+00

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

MADERA COUNTY



17-MAR-2016 11:40 MF-CV-S1420-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 14896+00 TO 14952+00

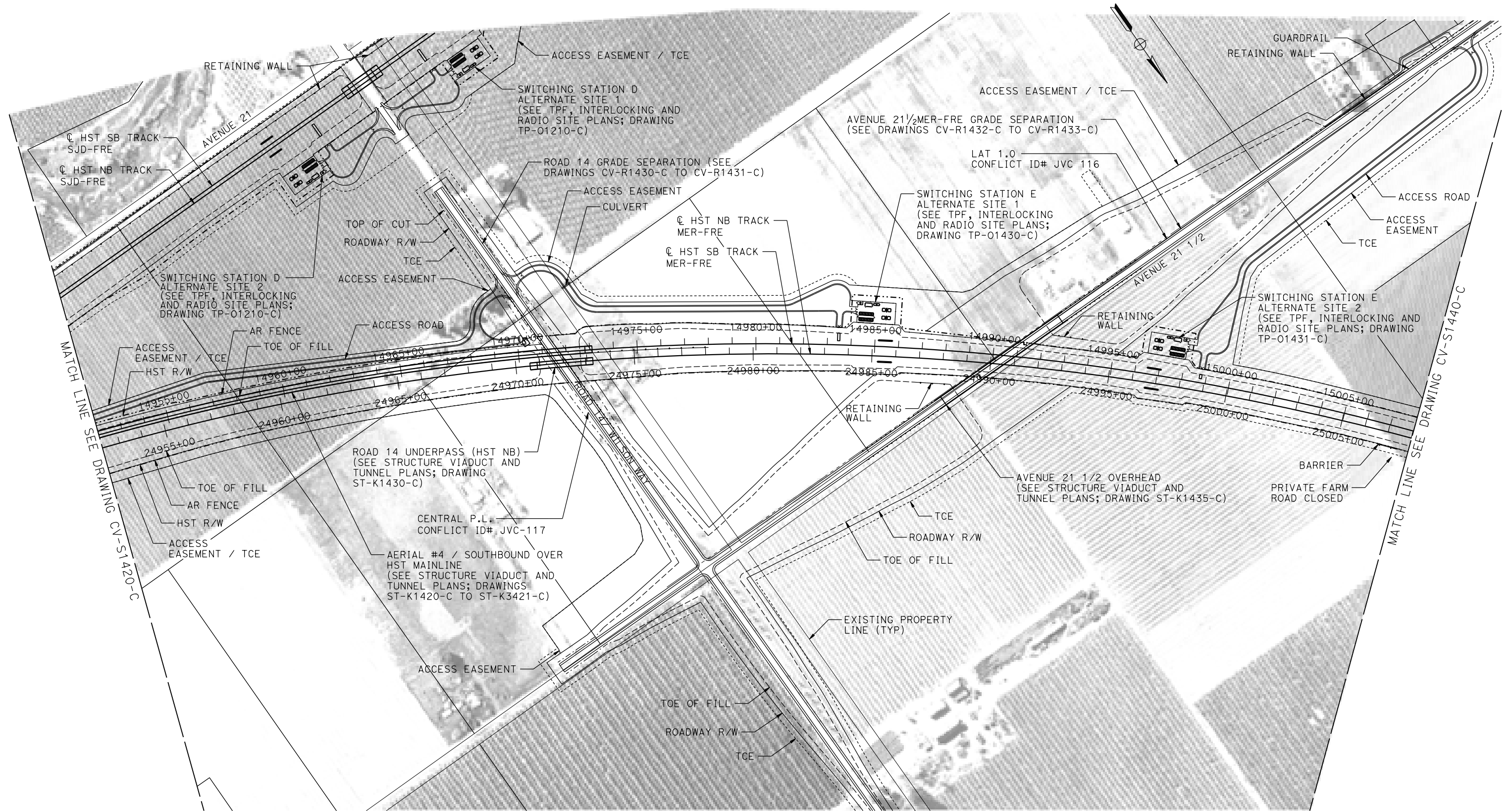
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1420-C

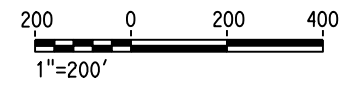
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 1:41 MF-CV-S1430-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 14952+00 TO 15008+00

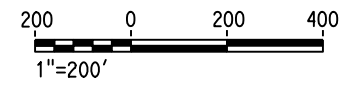
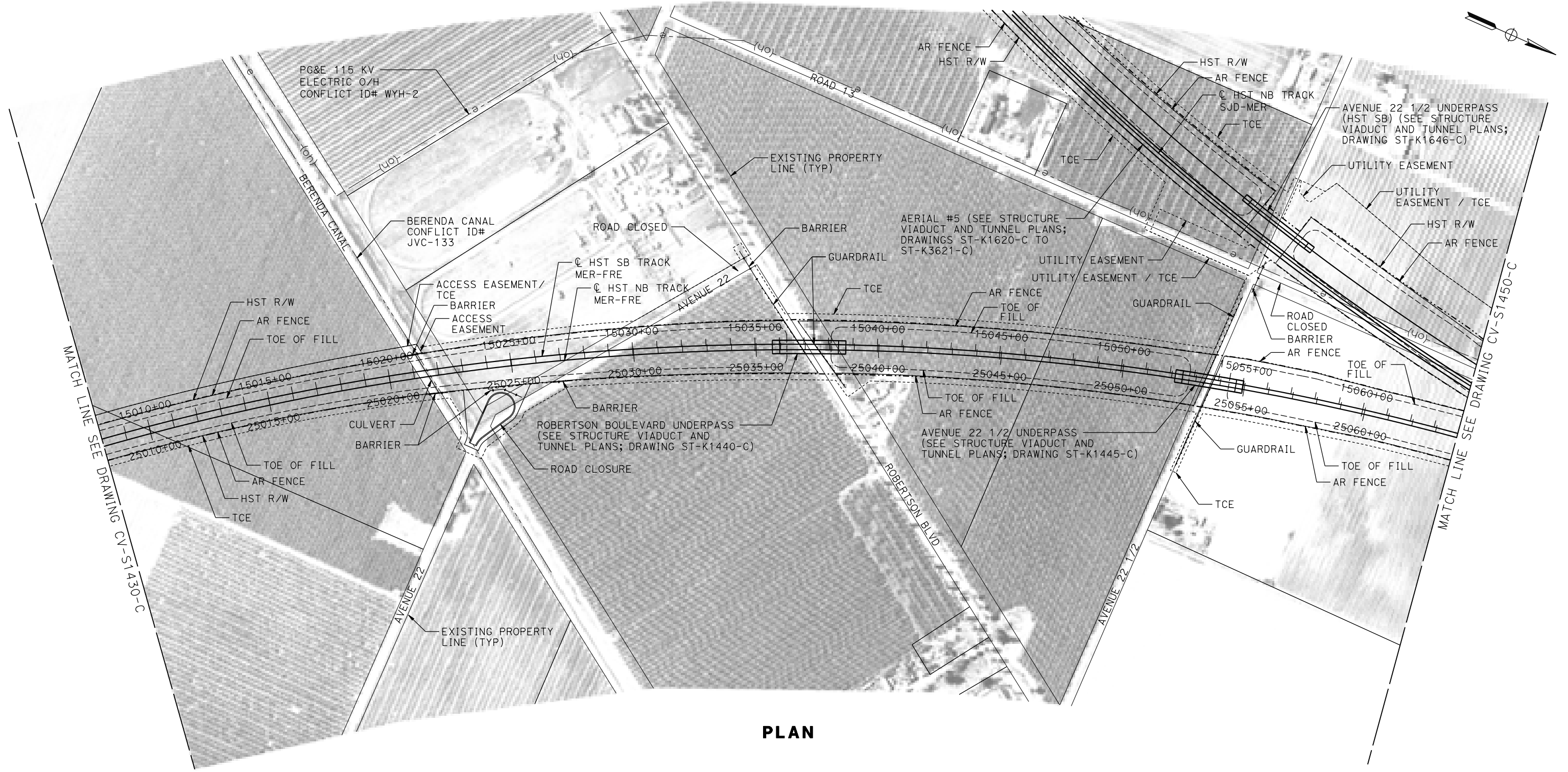
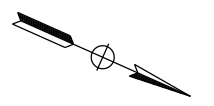
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1430-C

SCALE
1"=200'

SHEET NO.

MADERA COUNTY



18-MAR-2016 4:53 MF-CV-S1440-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15008+00 TO 15064+00

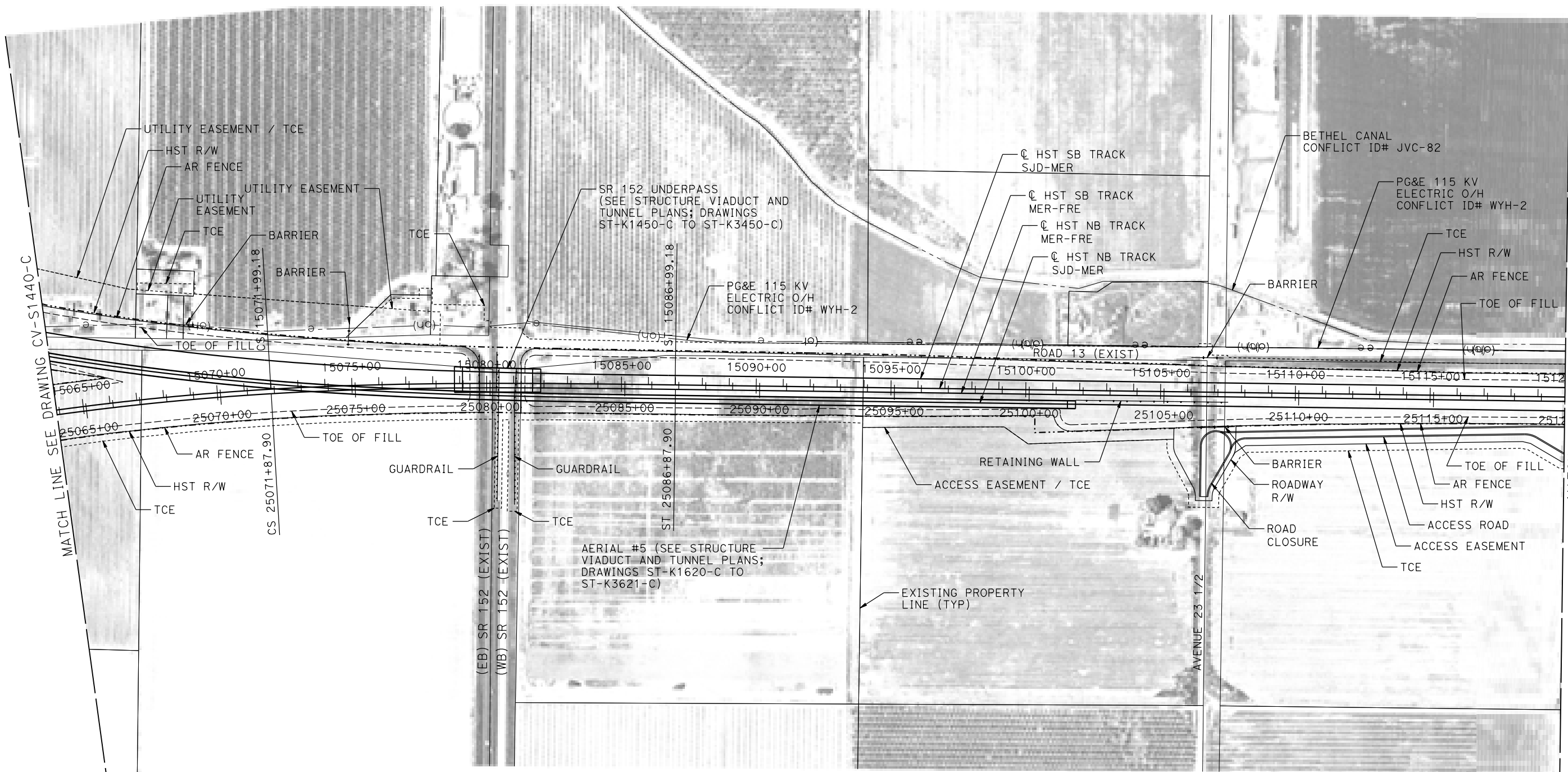
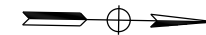
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1440-C

SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 1:43 MF-CV-S1450-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15064+00 TO 15120+00

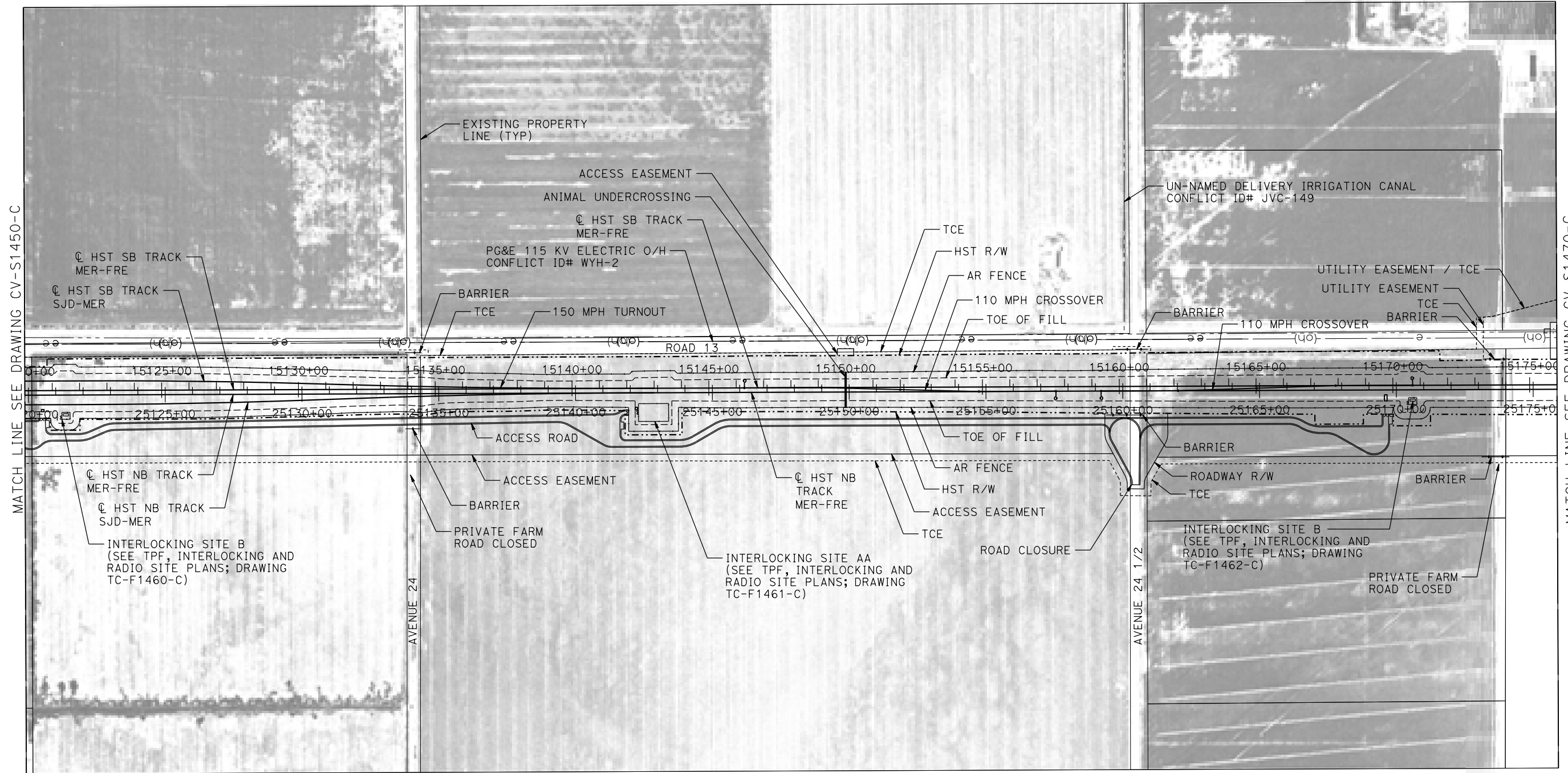
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1450-C

SCALE
1"=200'

SHEET NO.

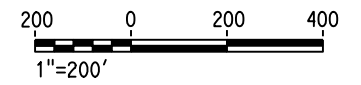
MADERA COUNTY



MATCH LINE SEE DRAWING CV-S1450-C

MATCH LINE SEE DRAWING CV-S1470-C

PLAN



18-MAR-2016 4:54 MF-CV-S1460-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

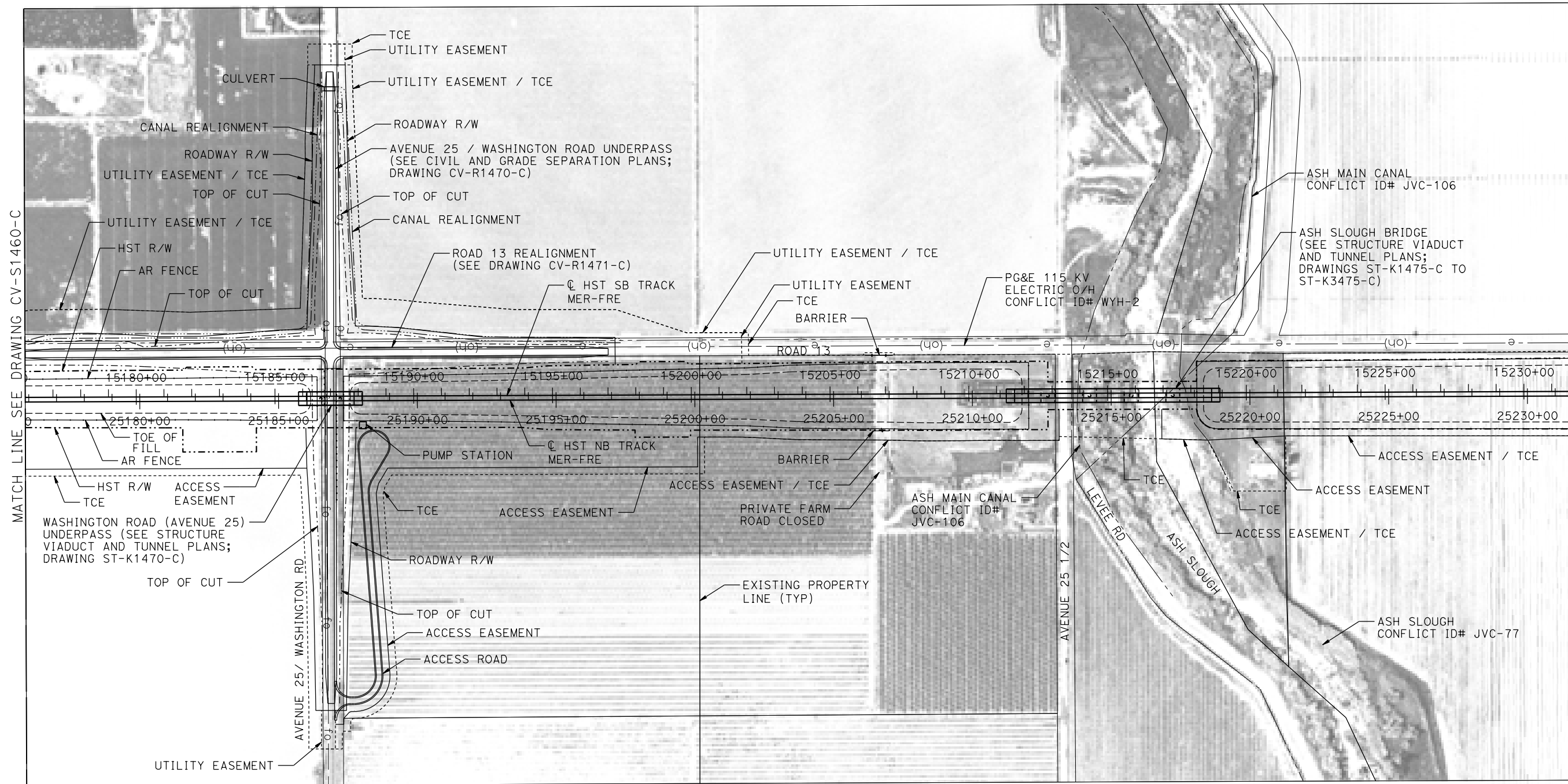
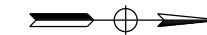
NOT FOR
CONSTRUCTION



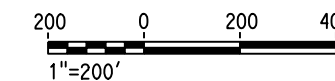
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15120+00 TO 15176+00

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

MADERA COUNTY



PLAN



17-MAR-2016 1:44 MF-CV-S1470-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15176+00 TO 15232+00

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1470-C

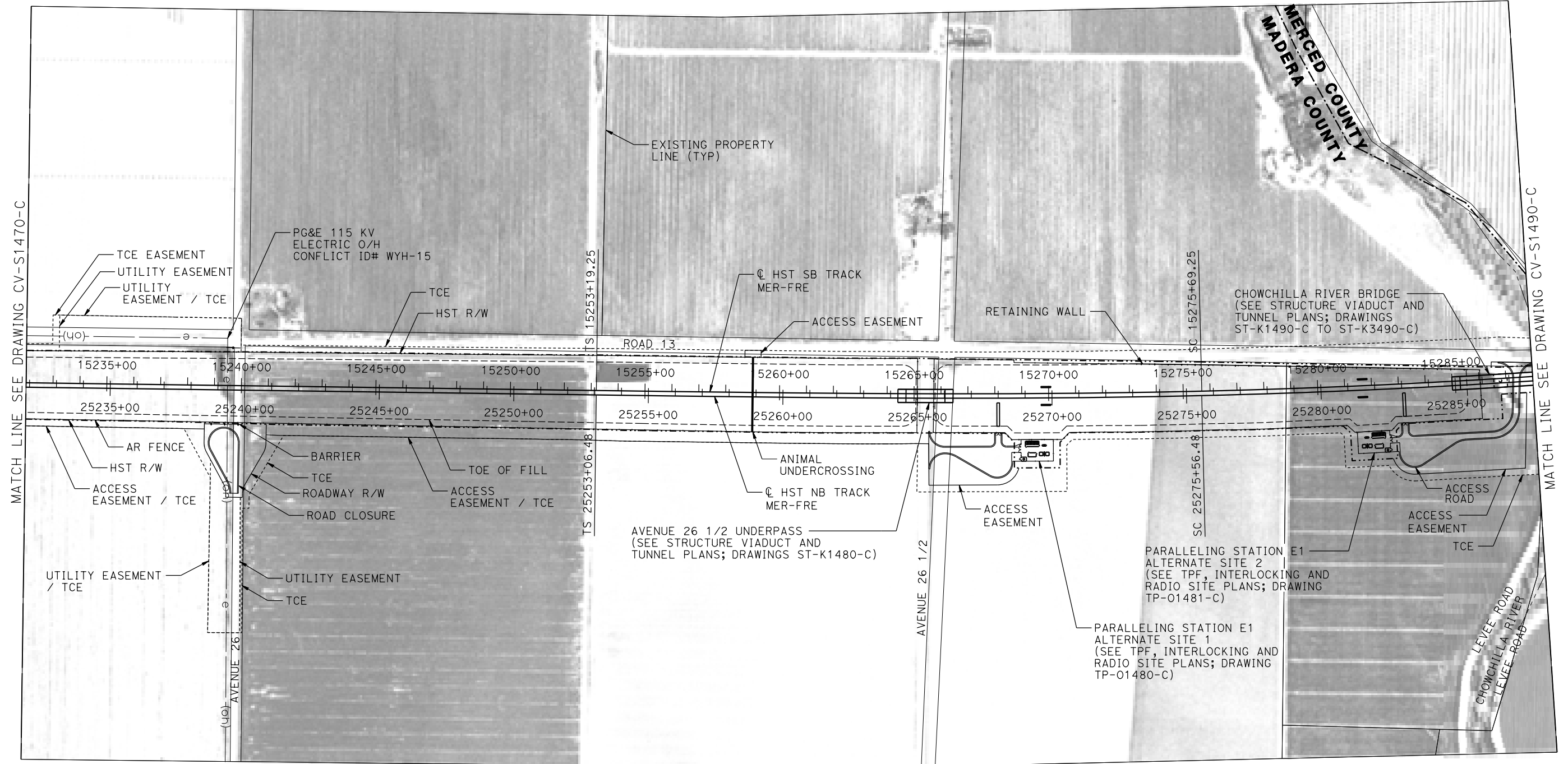
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SHEET NO.

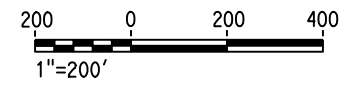


MADERA COUNTY

MERCED COUNTY



PLAN



17-MAR-2016 11:45 MF-CV-S1480-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15232+00 TO 15288+00

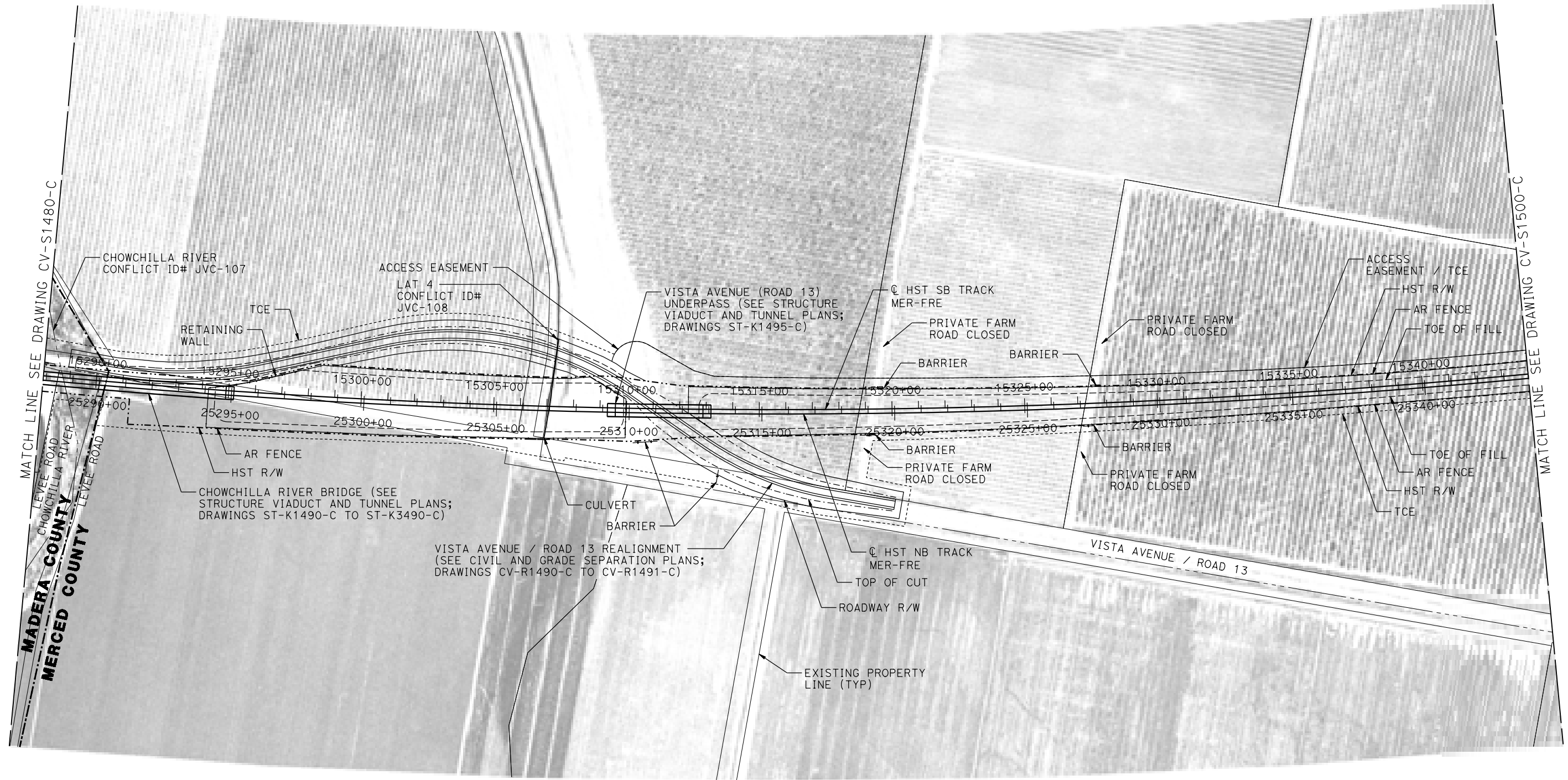
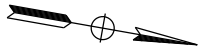
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1480-C

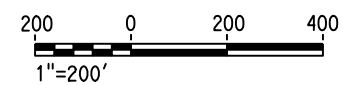
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 11:46 MF-CV-S1490-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15288+00 TO 15344+00

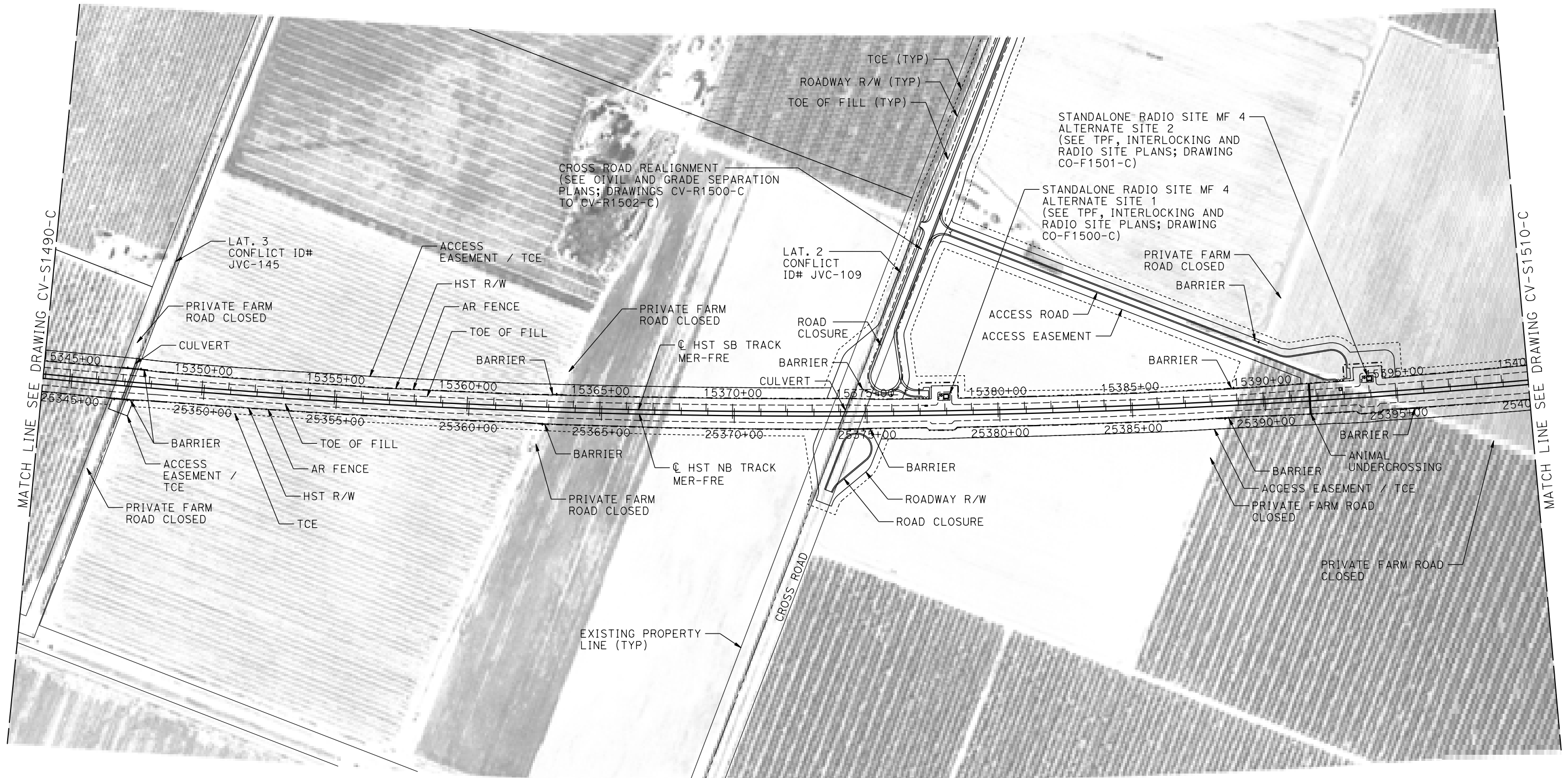
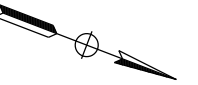
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1490-C

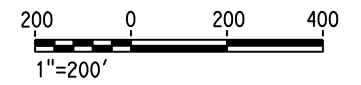
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 11:46 MF-CV-S1500-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15344+00 TO 15400+00

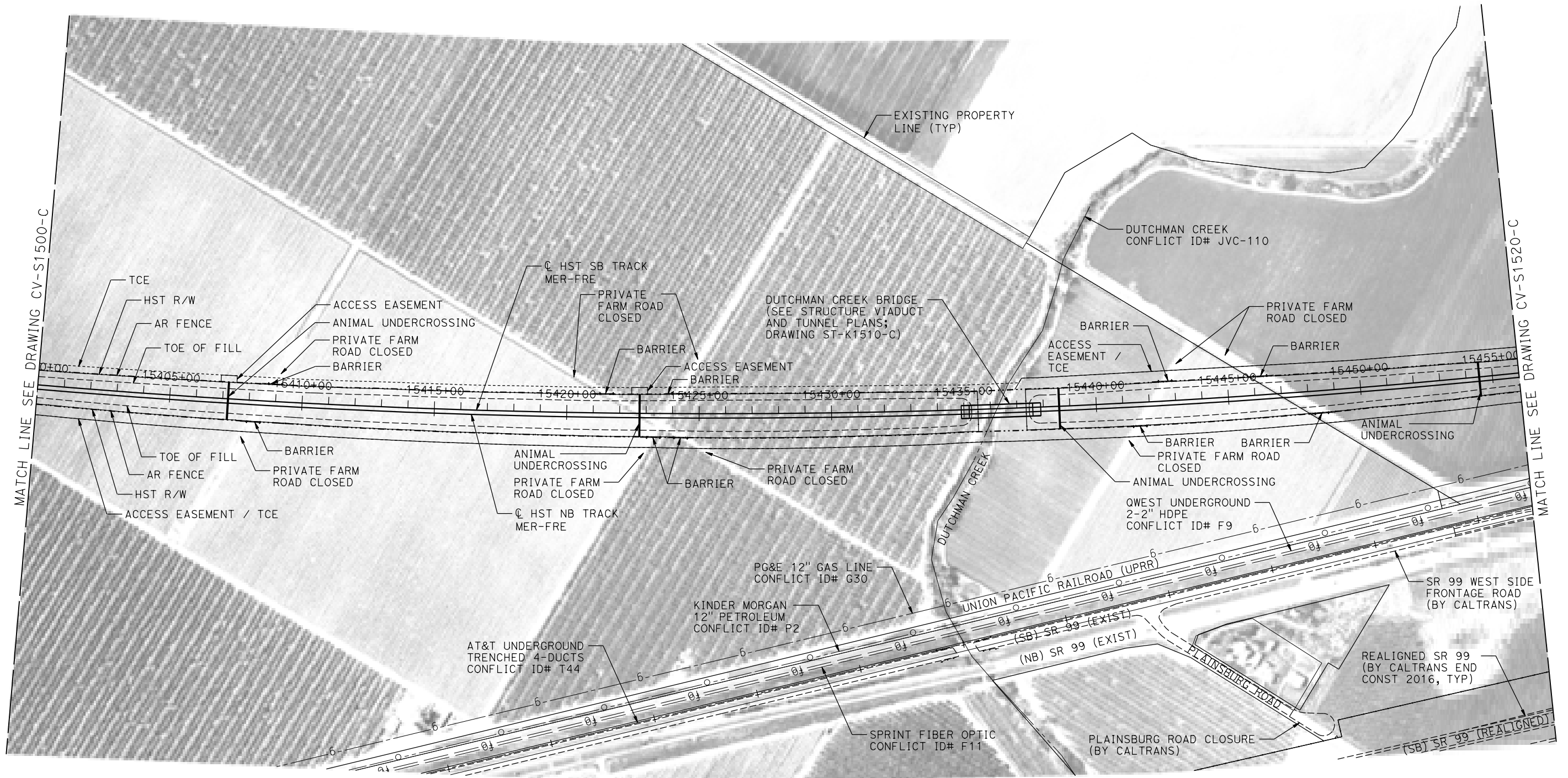
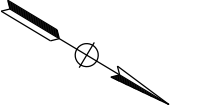
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1500-C

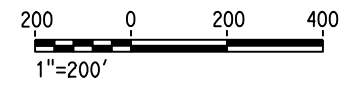
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 11:47 MF-CV-S1510-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15400+00 TO 15456+00

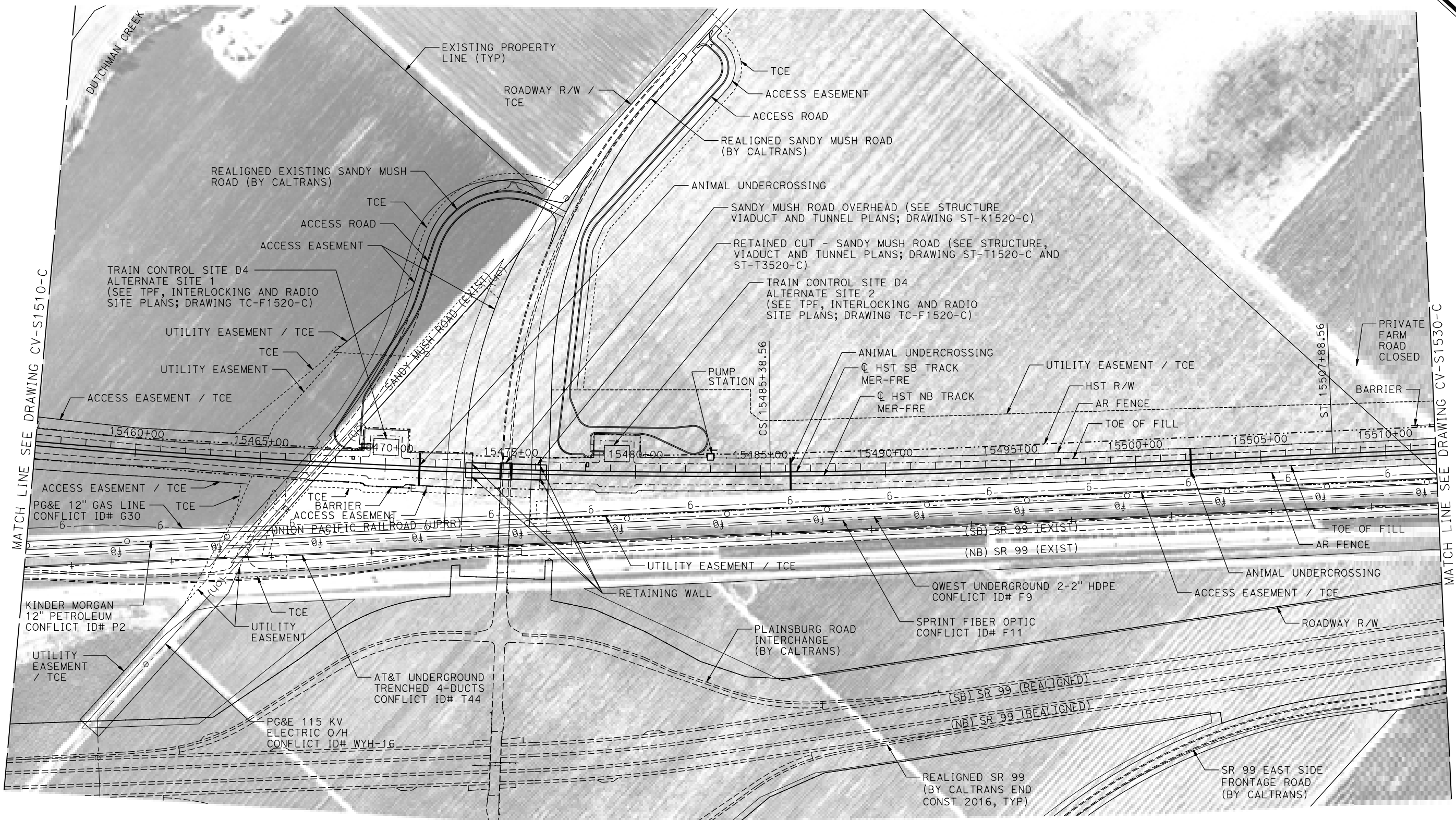
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1510-C

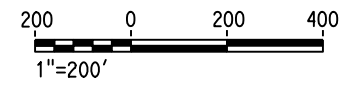
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 1:47 MF-CV-S1520-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

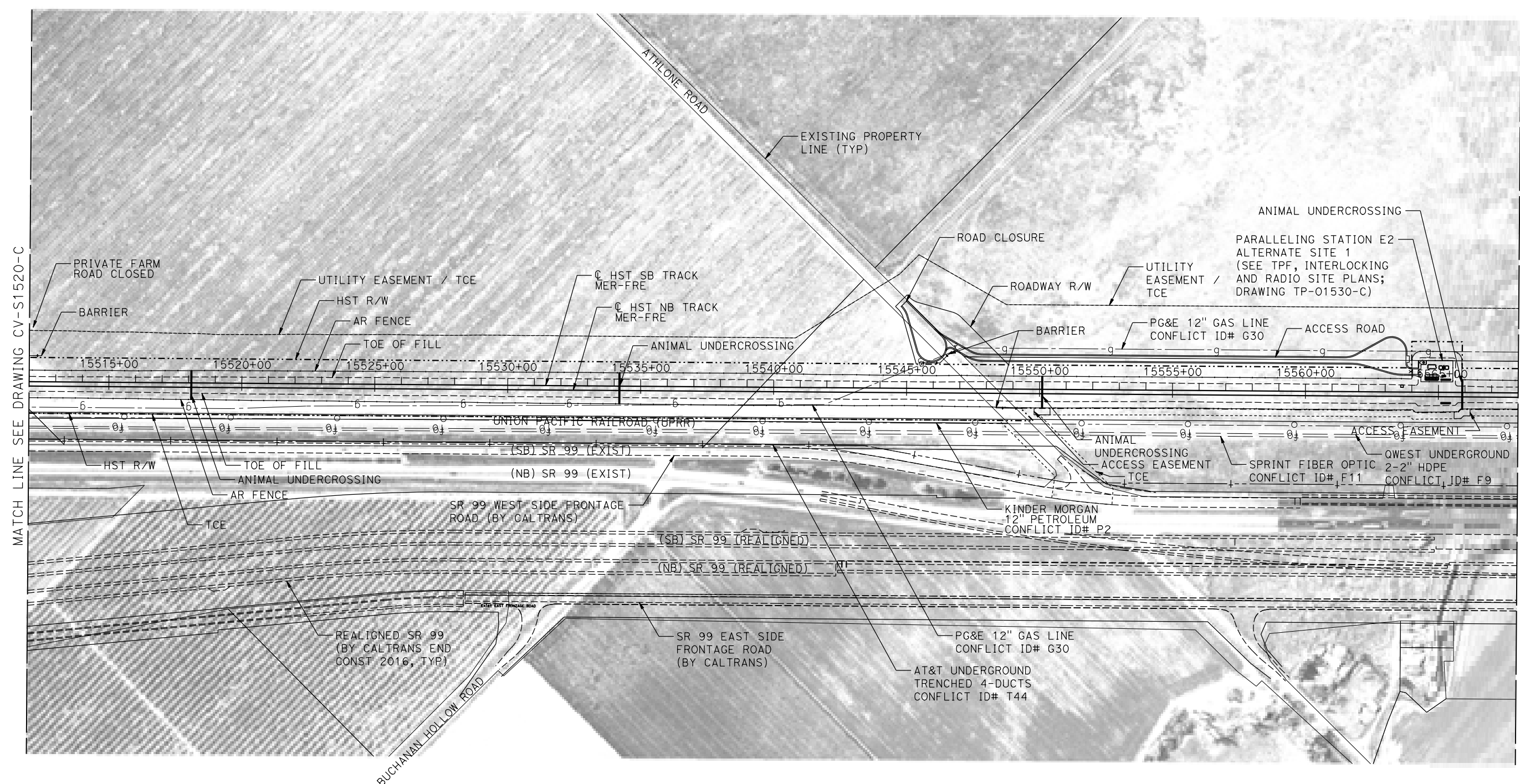
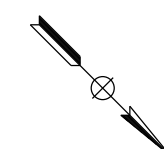
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15456+00 TO 15512+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1520-C
SCALE
1"=200'
SHEET NO.

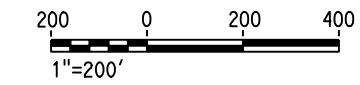
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1520-C

MATCH LINE SEE DRAWING CV-S1540-C

PLAN



17-MAR-2016 11:48 MF-CV-S1530-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15512+00 TO 15568+00

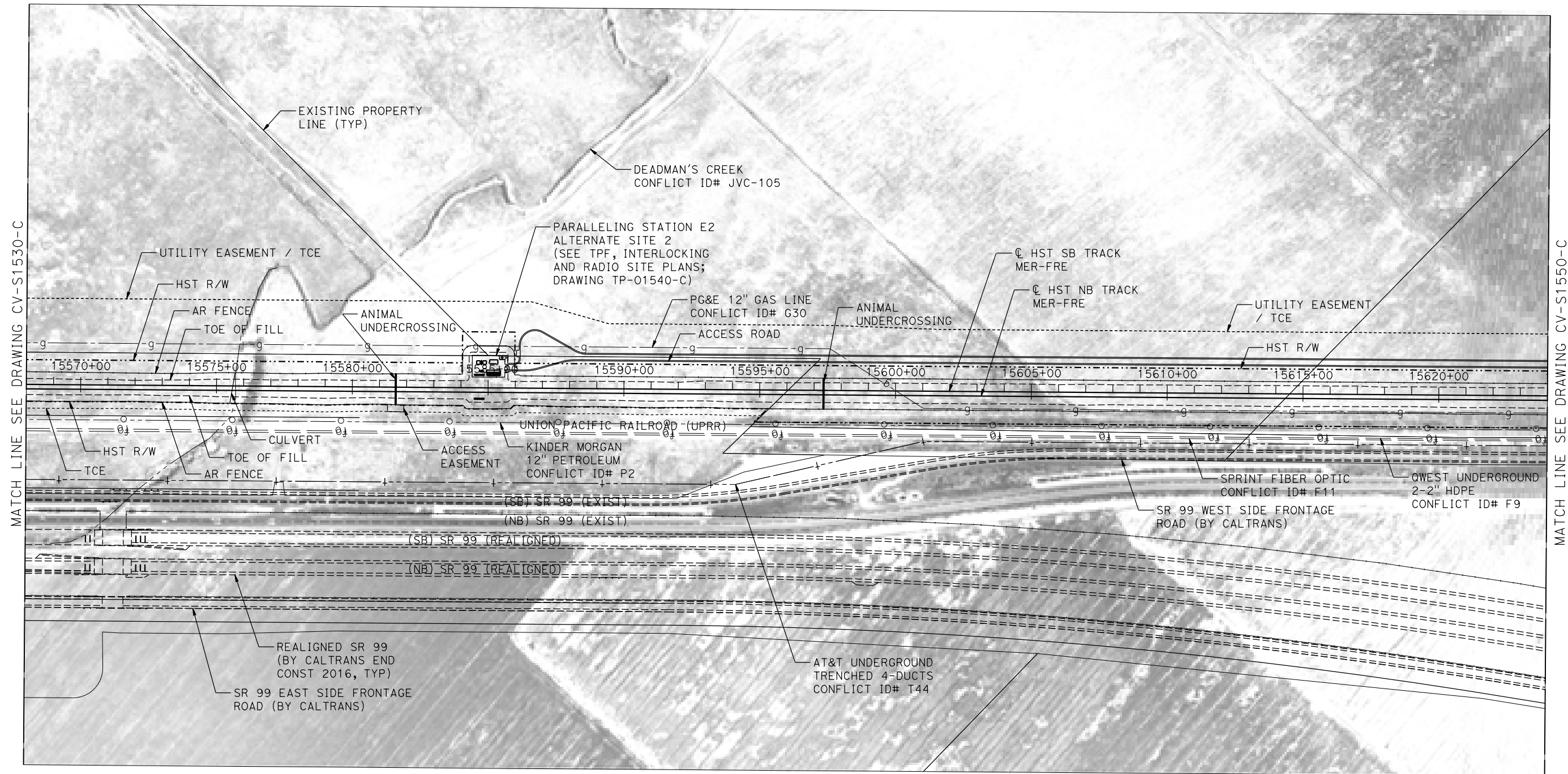
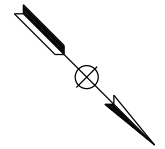
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1530-C

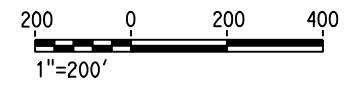
SCALE
1"=200'

SHEET NO.

MERCED COUNTY



PLAN



17-MAR-2016 11:48 MF-CV-S1540-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15568+00 TO 15624+00

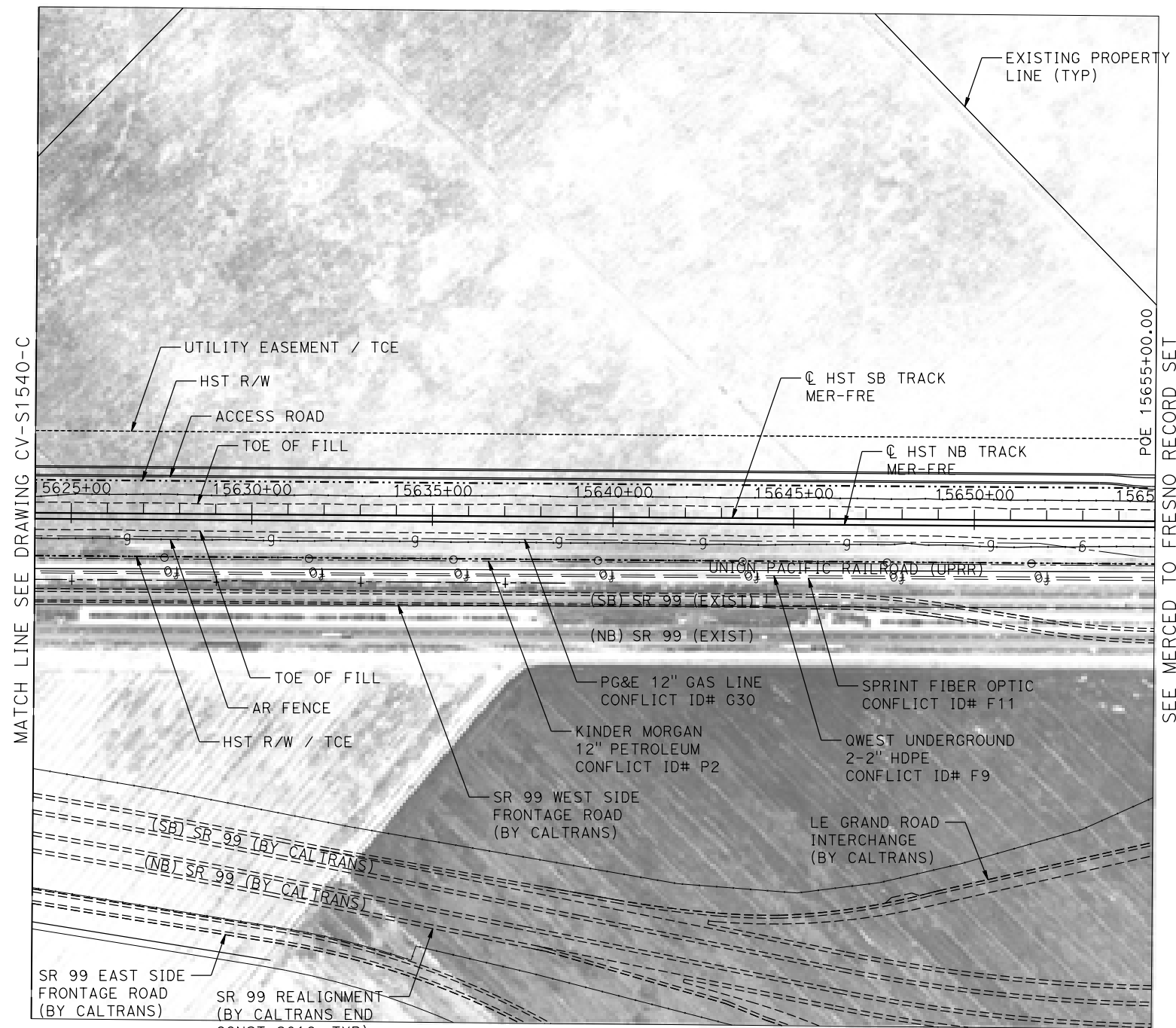
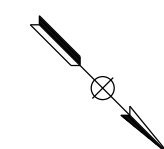
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1540-C

SCALE
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SHEET NO.

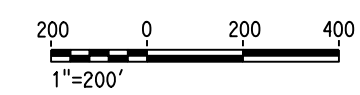
MERCED COUNTY



MATCH LINE SEE DRAWING CV-S1540-C

SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION

PLAN



17-MAR-2016 11:49 MF-CV-S1550-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

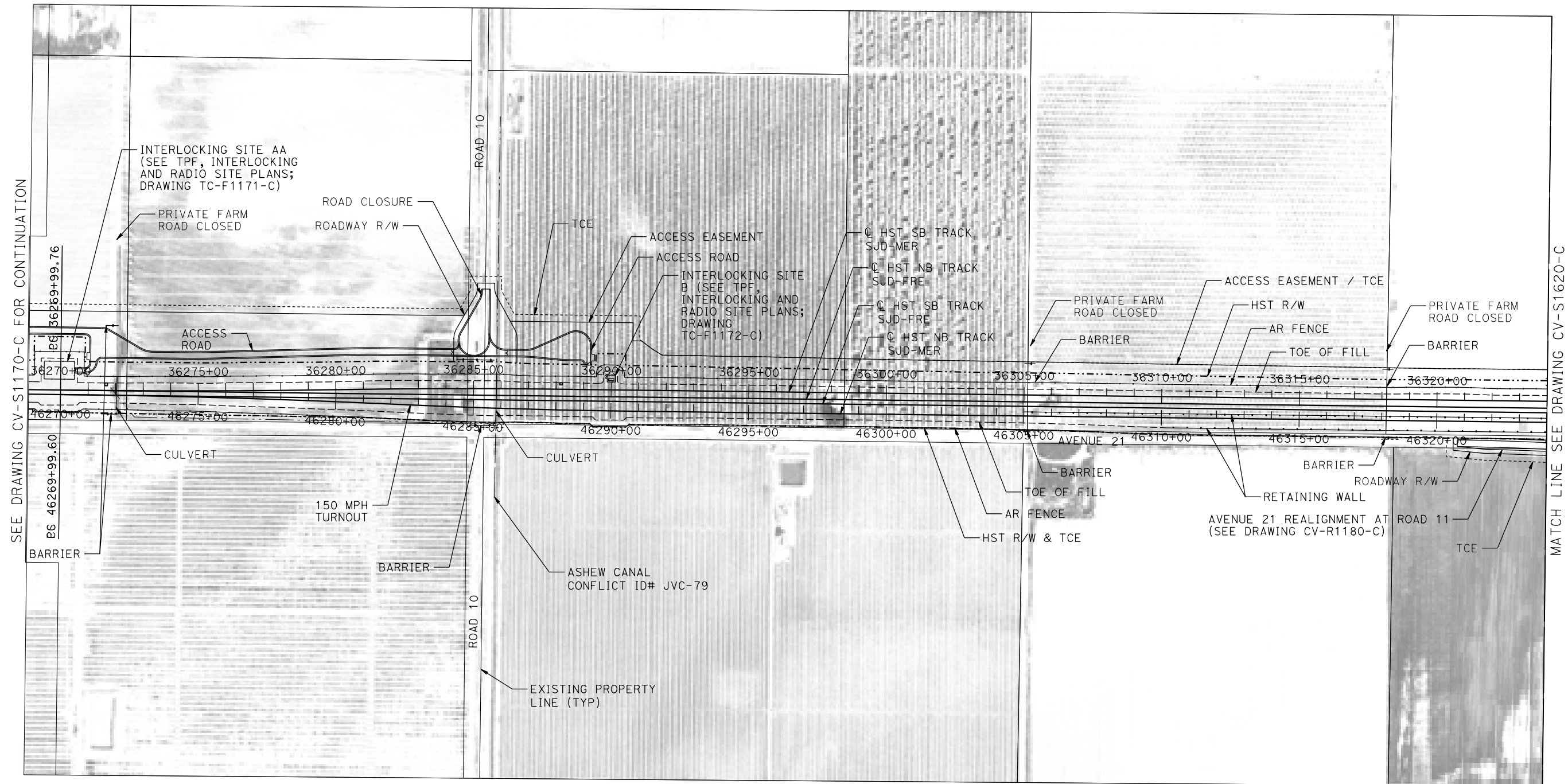
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15624+00 TO 15655+00

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-S1550-C
SCALE
1"=200'
SHEET NO.

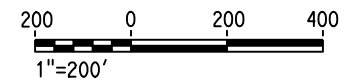
MADERA COUNTY



SEE DRAWING CV-S1170-C FOR CONTINUATION

MATCH LINE SEE DRAWING CV-S1620-C

PLAN



18-MAR-2016 4:55 MF-CV-S1610-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36268+00 TO 36324+00

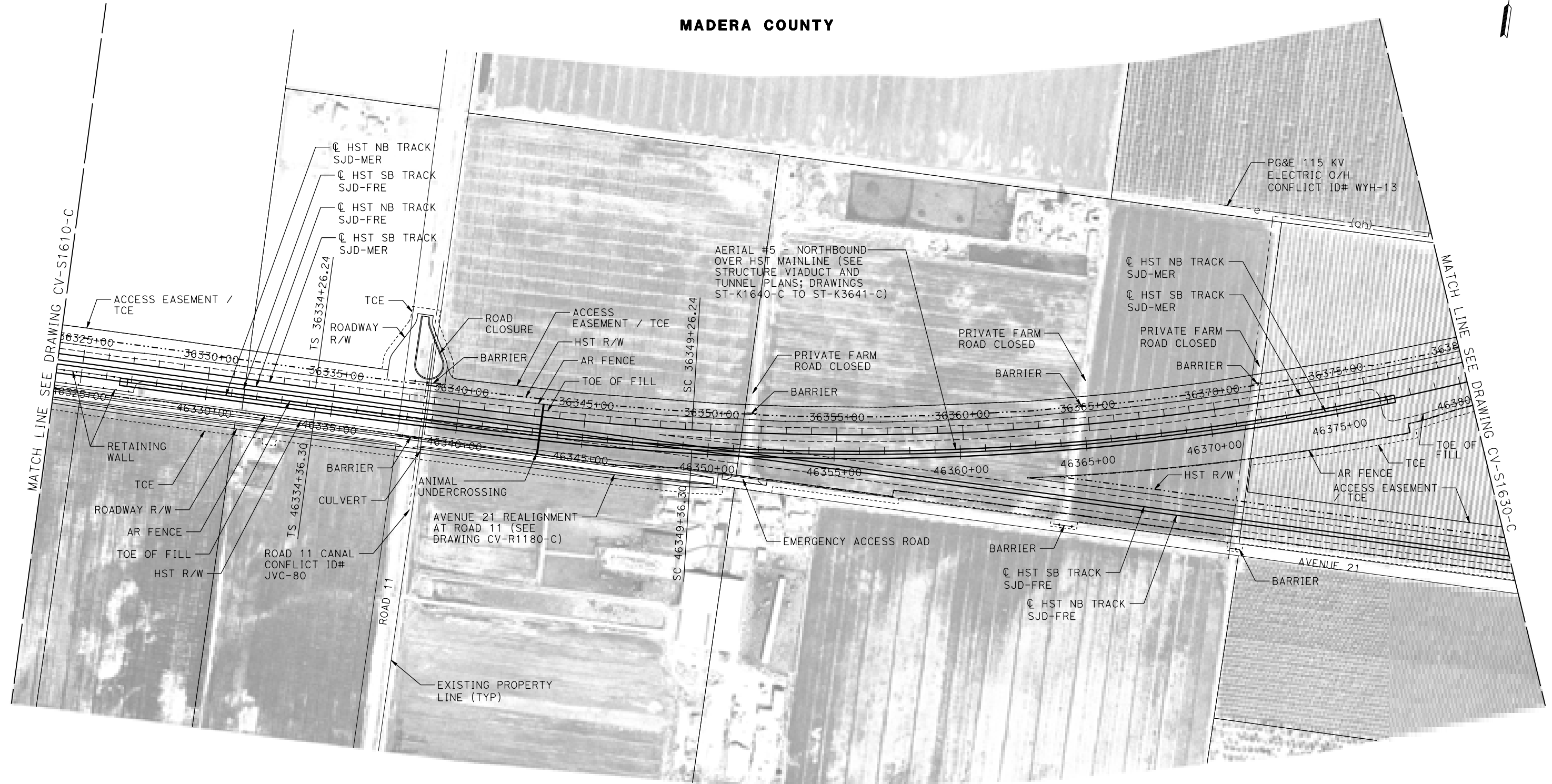
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1610-C

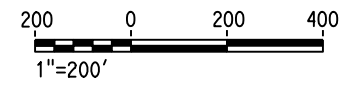
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 13:55 MF-CV-S1620-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36324+00 TO 36380+00

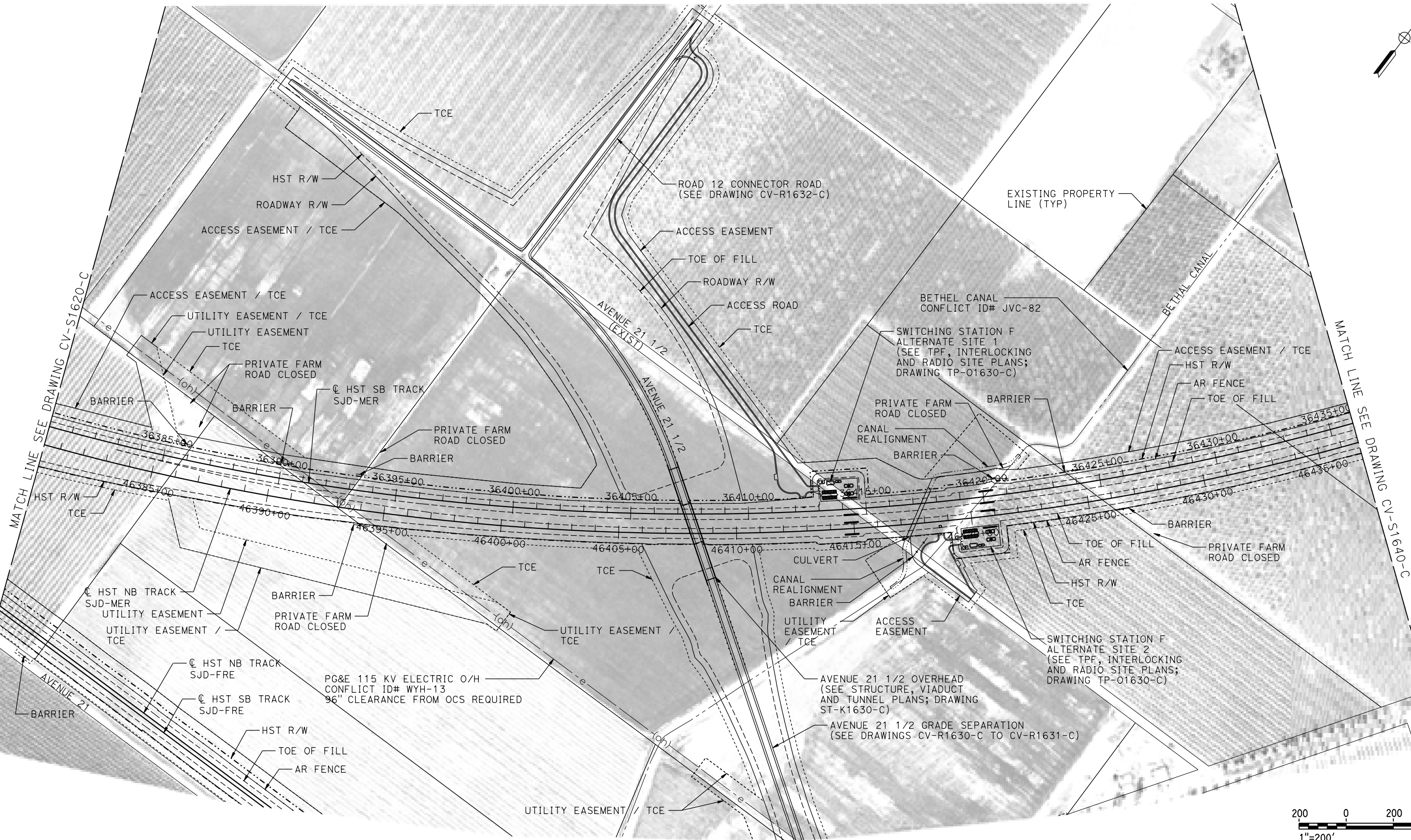
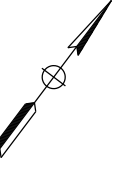
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1620-C

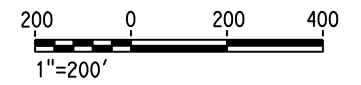
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



17-MAR-2016 2:22 MF-CV-S1630-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36380+00 TO 36436+00

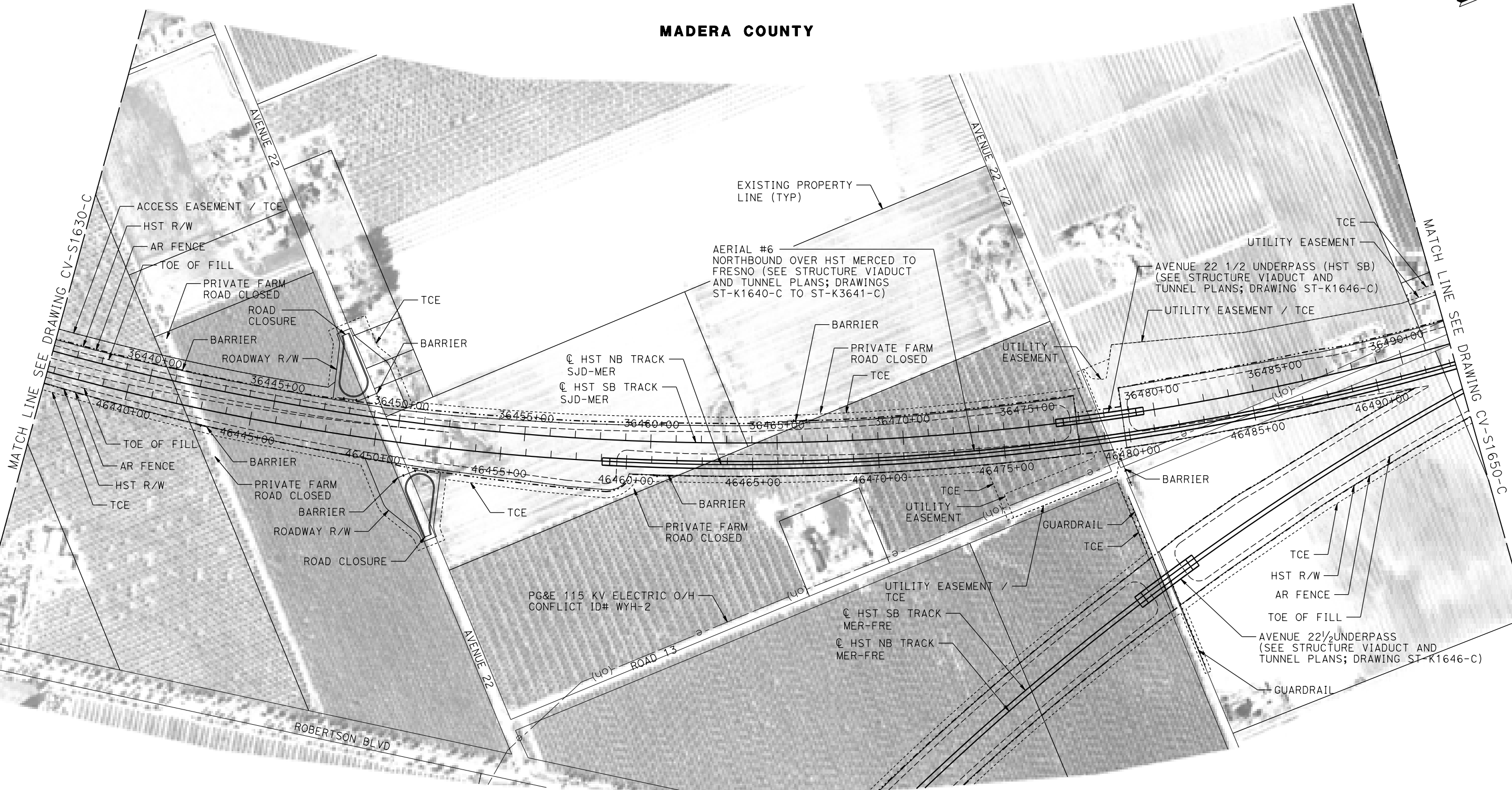
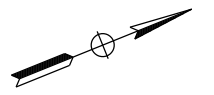
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1630-C

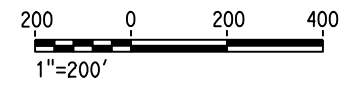
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 4:56 MF-CV-S1640-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

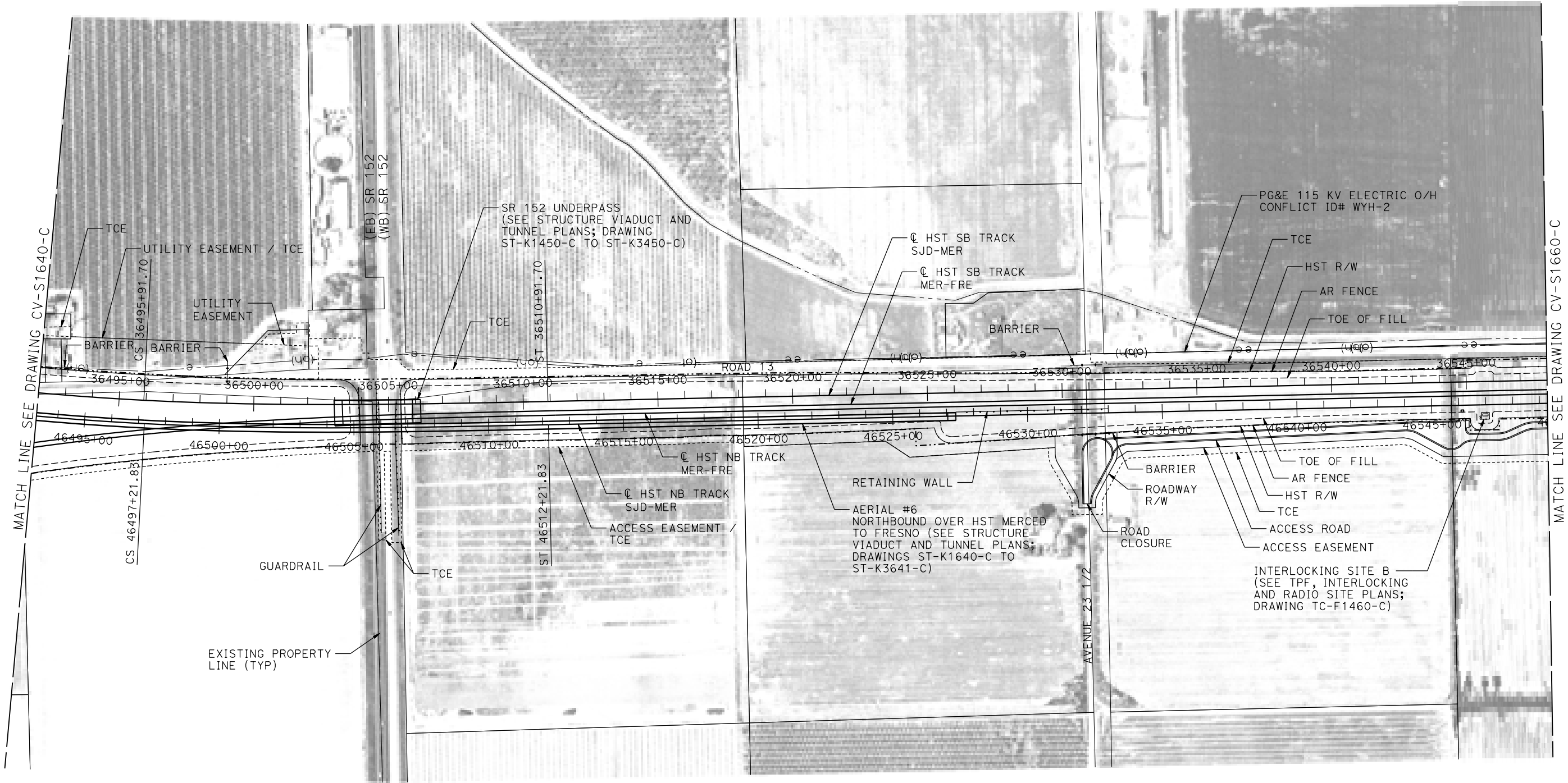
NOT FOR
CONSTRUCTION



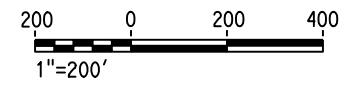
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36436+00 TO 36492+00

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

MADERA COUNTY



PLAN



17-MAR-2016 2:24 MF-CV-S1650-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
M. STANWIC

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36492+00 TO 36548+00

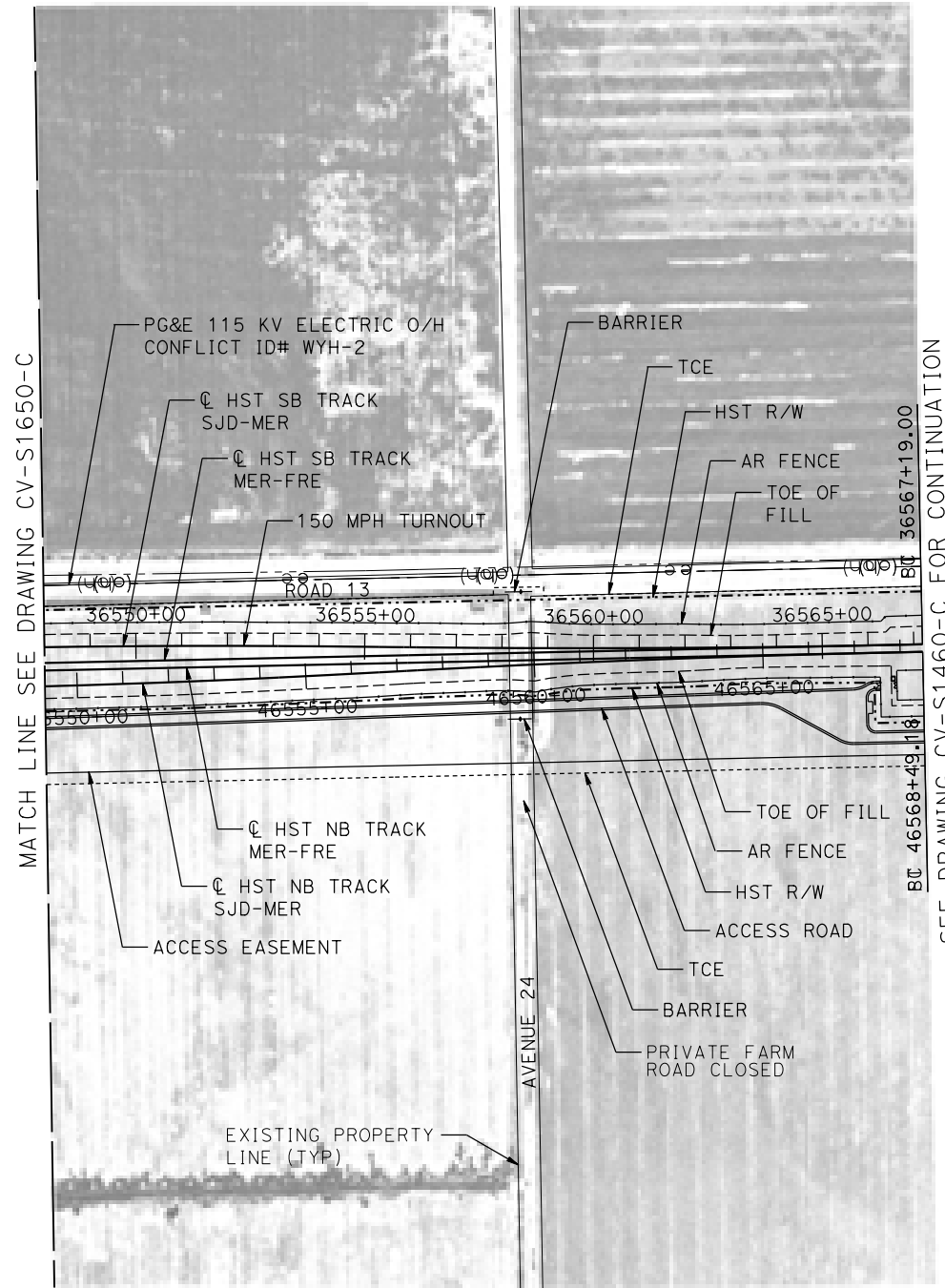
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-S1650-C

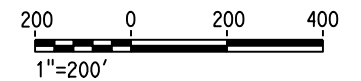
SCALE
1"=200'

SHEET NO.

MADERA COUNTY



PLAN



18-MAR-2016 13:57 MF-CV-S1660-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



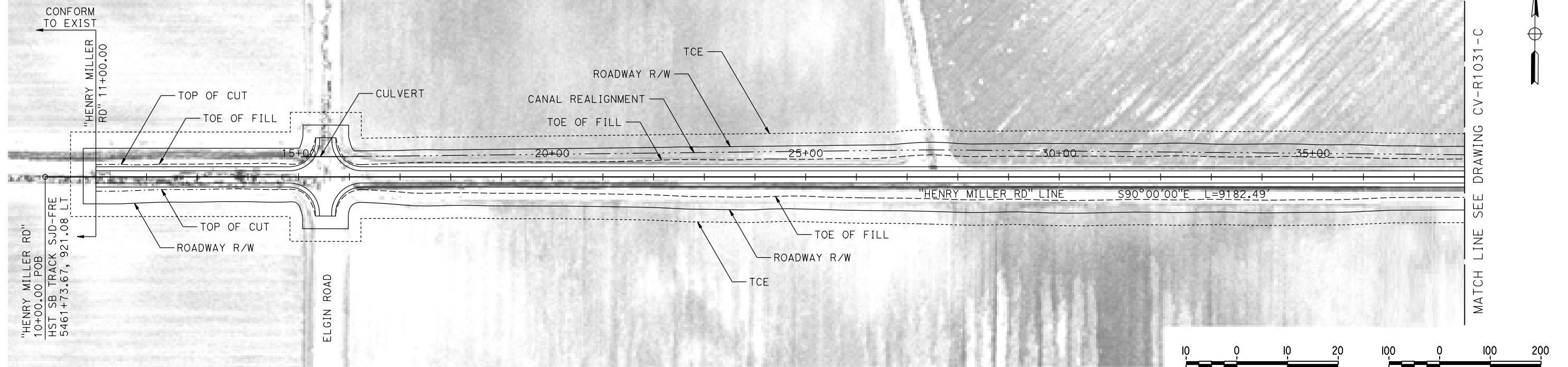
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36548+00 TO 36567+19

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

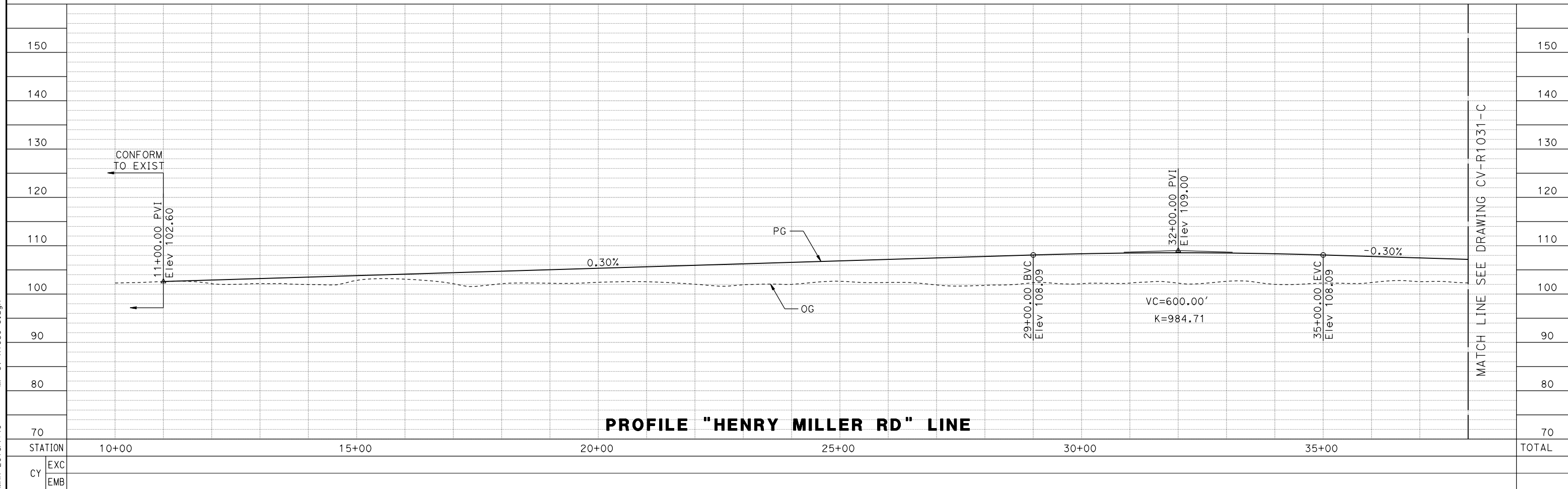
MERCED COUNTY

NOTES:

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



PLAN



17-MAR-2016 7:40 MF-CV-R1030-C.dgn

P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
A. GURA

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1030-C

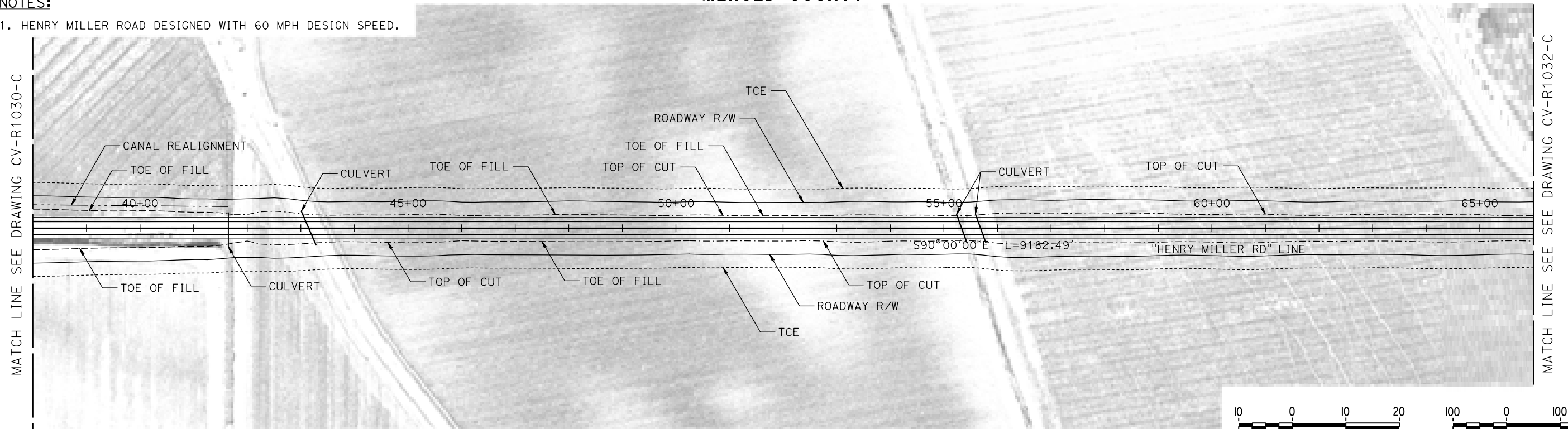
SCALE
AS SHOWN

SHEET NO.

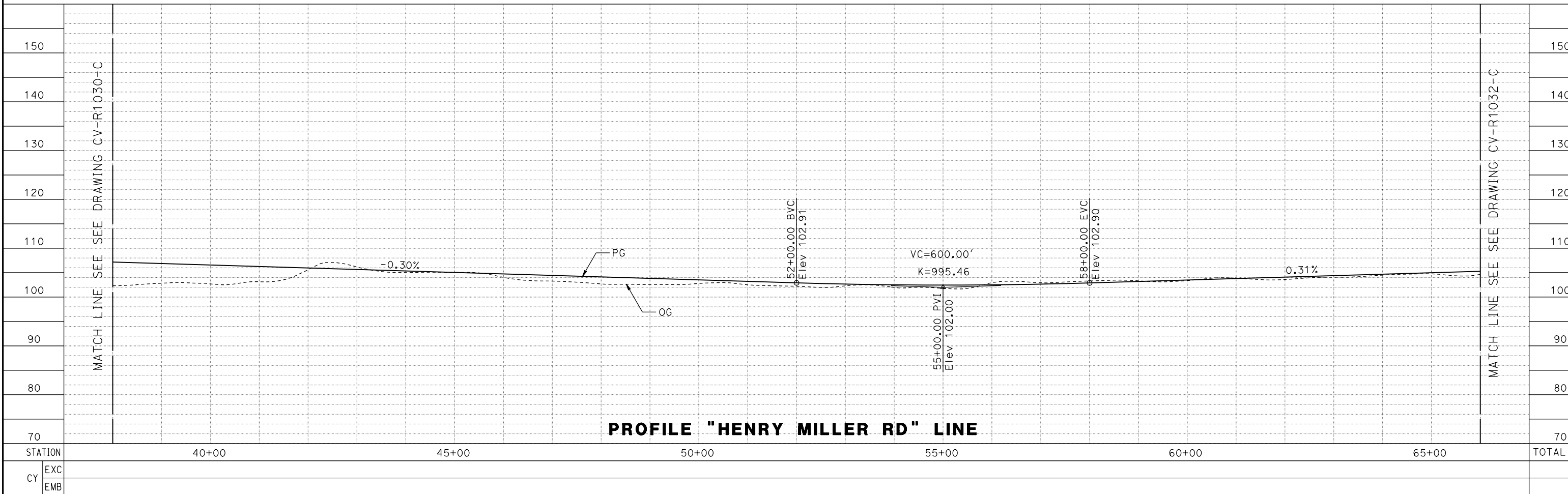
MERCED COUNTY

NOTES:

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



PLAN



PROFILE "HENRY MILLER RD" LINE

17-MAR-2016 7:41 MF-CV-R1031-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
A. GURA

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
05/08/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1031-C

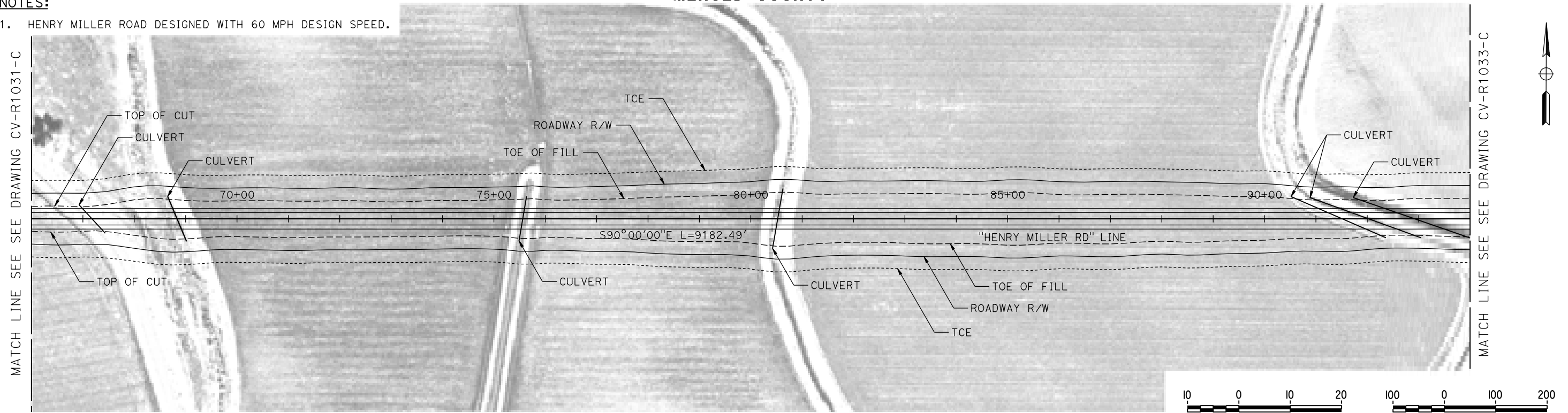
SCALE
AS SHOWN

SHEET NO.

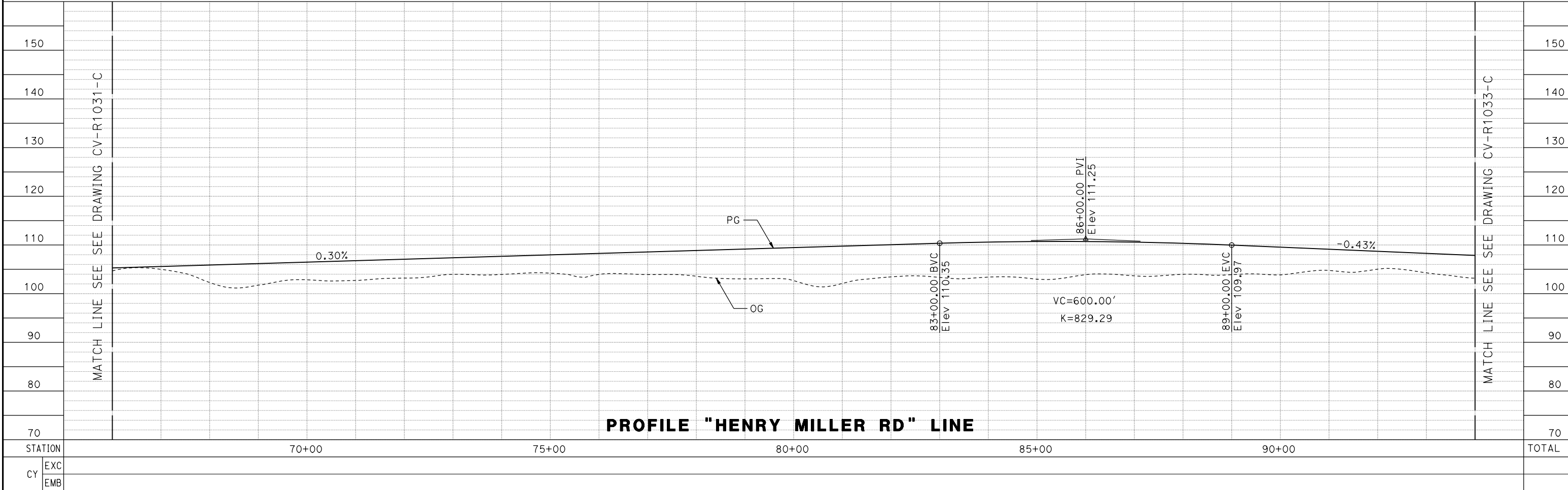
MERCED COUNTY

NOTES:

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



PLAN



PROFILE "HENRY MILLER RD" LINE

STATION	70+00	75+00	80+00	85+00	90+00	TOTAL
EXC						
EMB						

17-MAR-2016 7:41 MF-CV-R1032-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



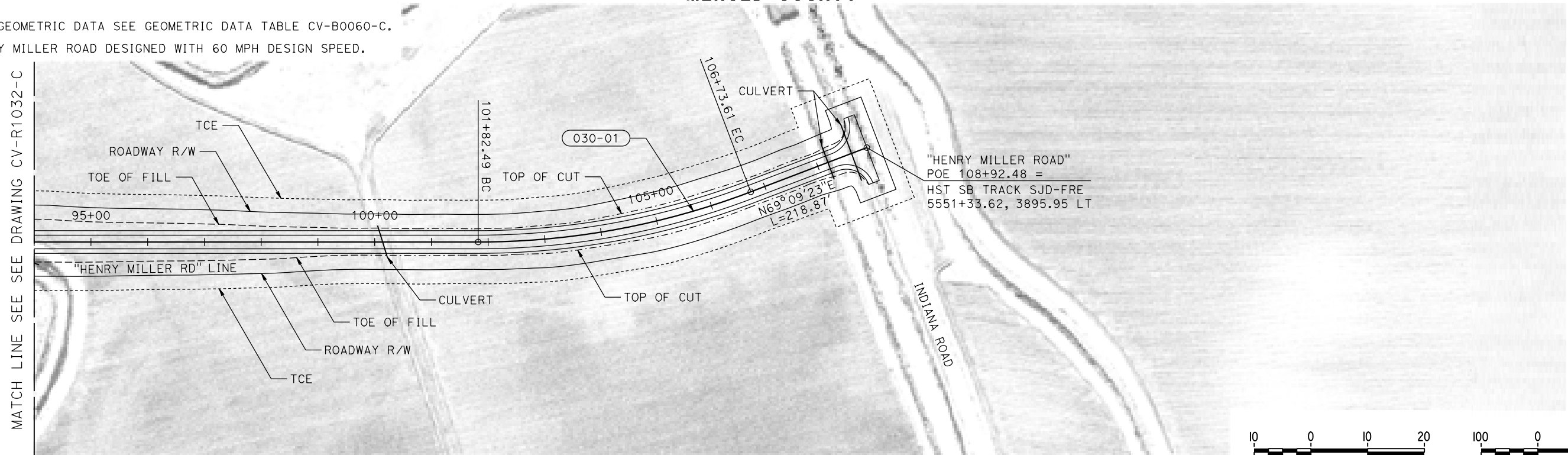
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

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

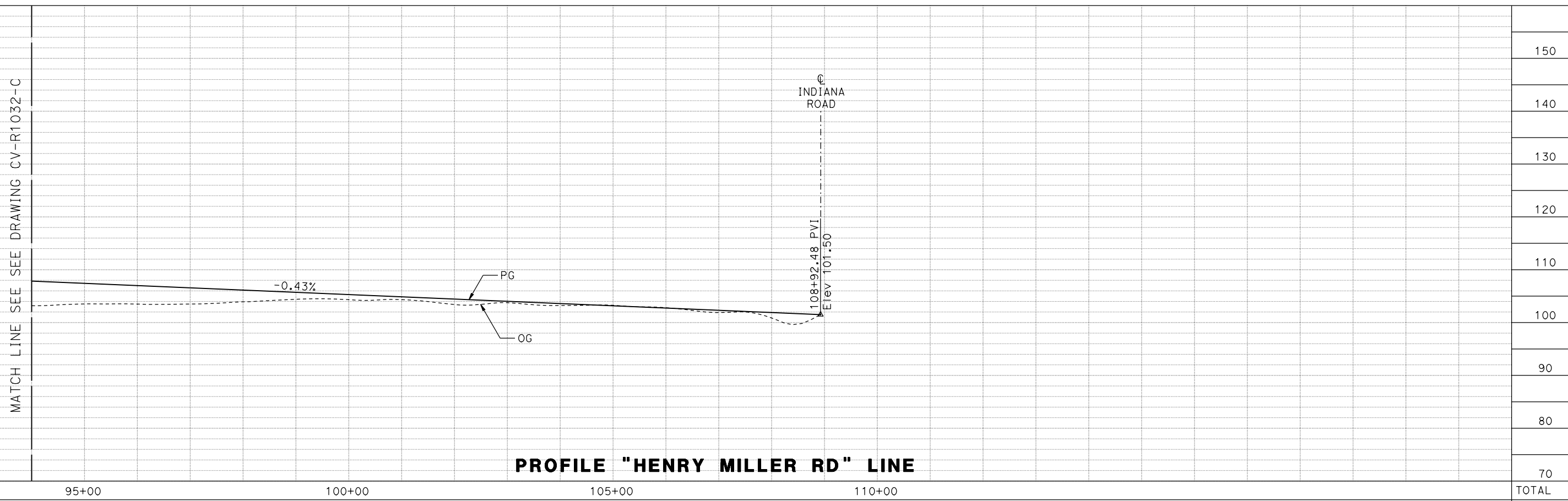
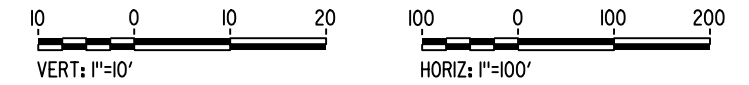
NOTES:

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

MERCED COUNTY



PLAN



PROFILE "HENRY MILLER RD" LINE

17-MAR-2016 7:42 MF-CV-R1033-C.dgn

STATION	95+00	100+00	105+00	110+00	TOTAL
EXC CY					
EMB CY					

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

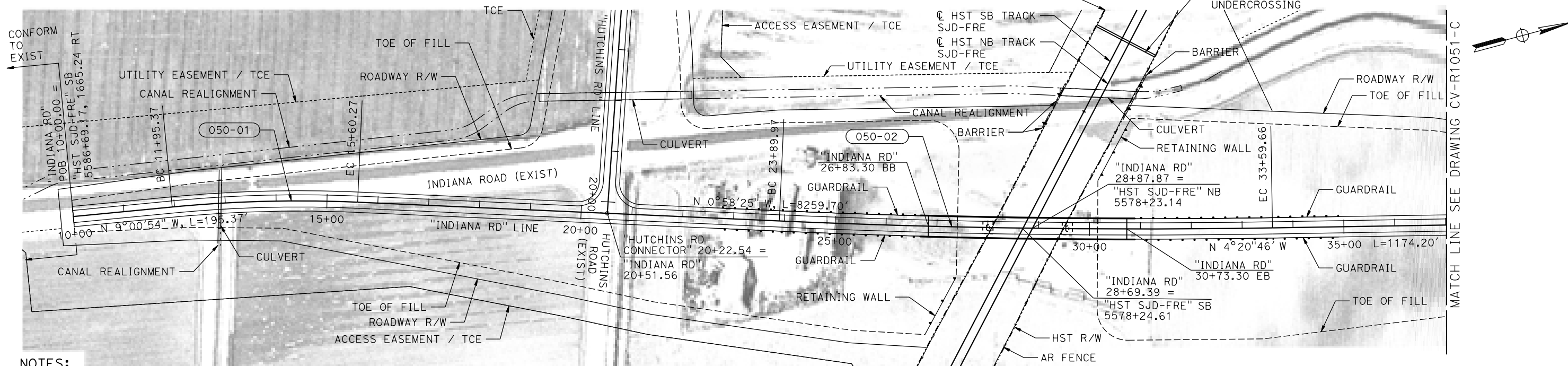


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
HENRY MILLER ROAD REALIGNMENT

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

MERCED COUNTY



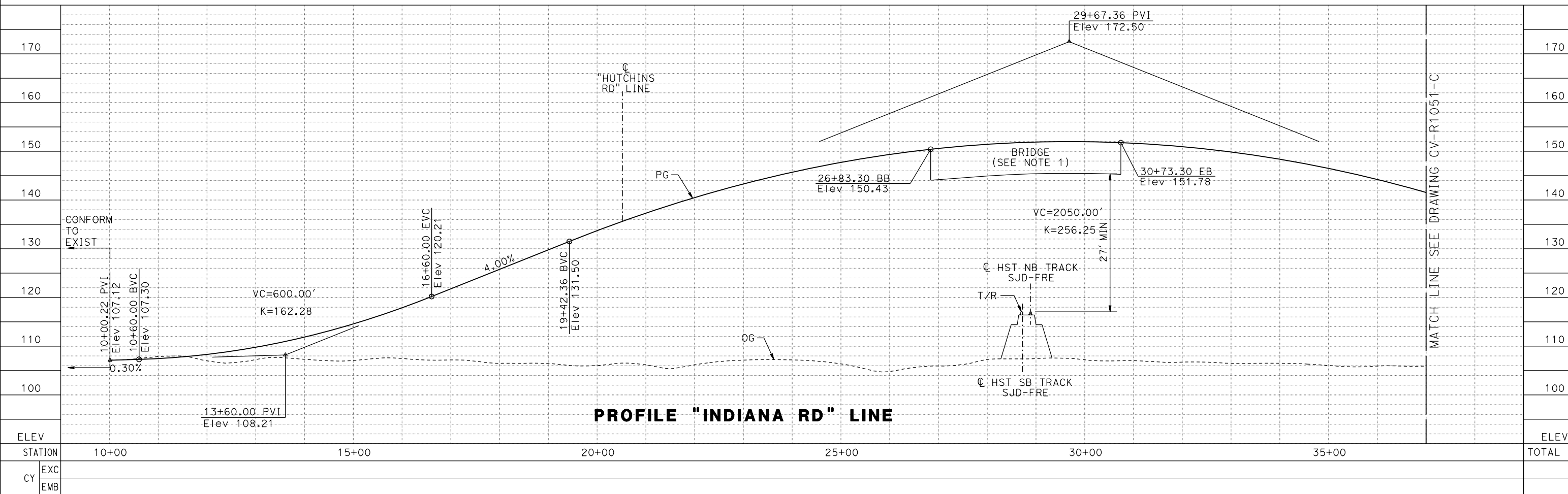
NOTES:

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

PLAN



PROFILE "INDIANA RD" LINE



17-MAR-2016 7:42 MF-CV-R1050-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 INDIANA ROAD GRADE SEPARATION

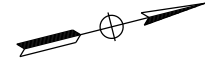
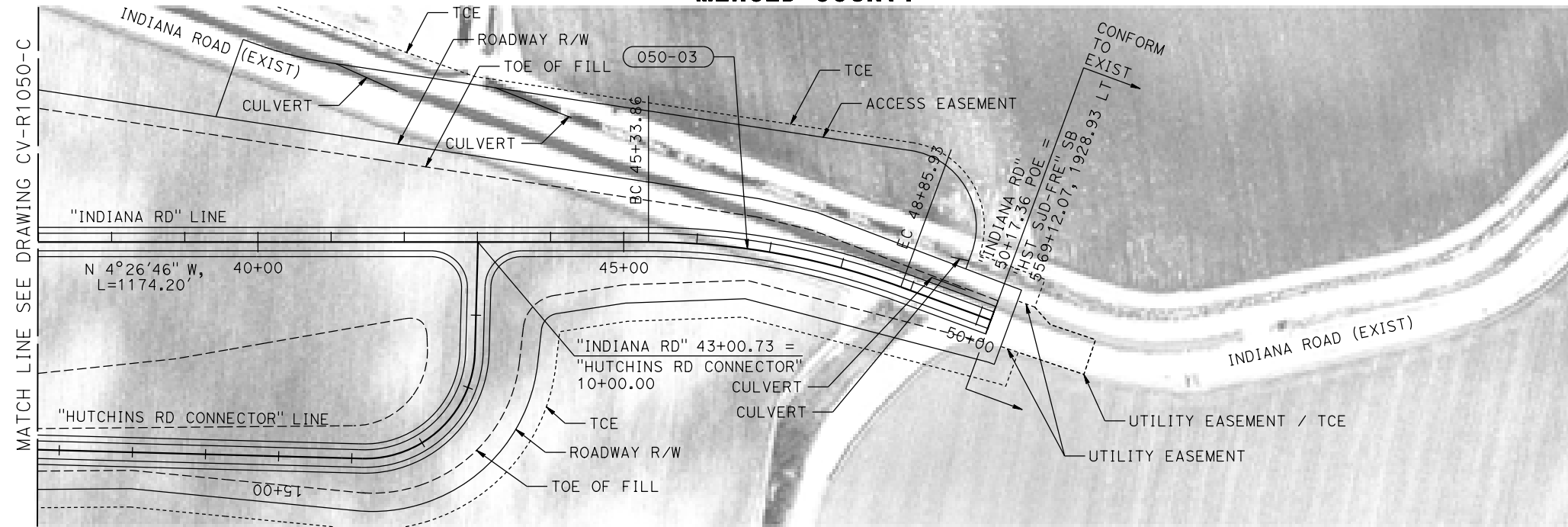
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1050-C

SCALE
AS SHOWN

SHEET NO.

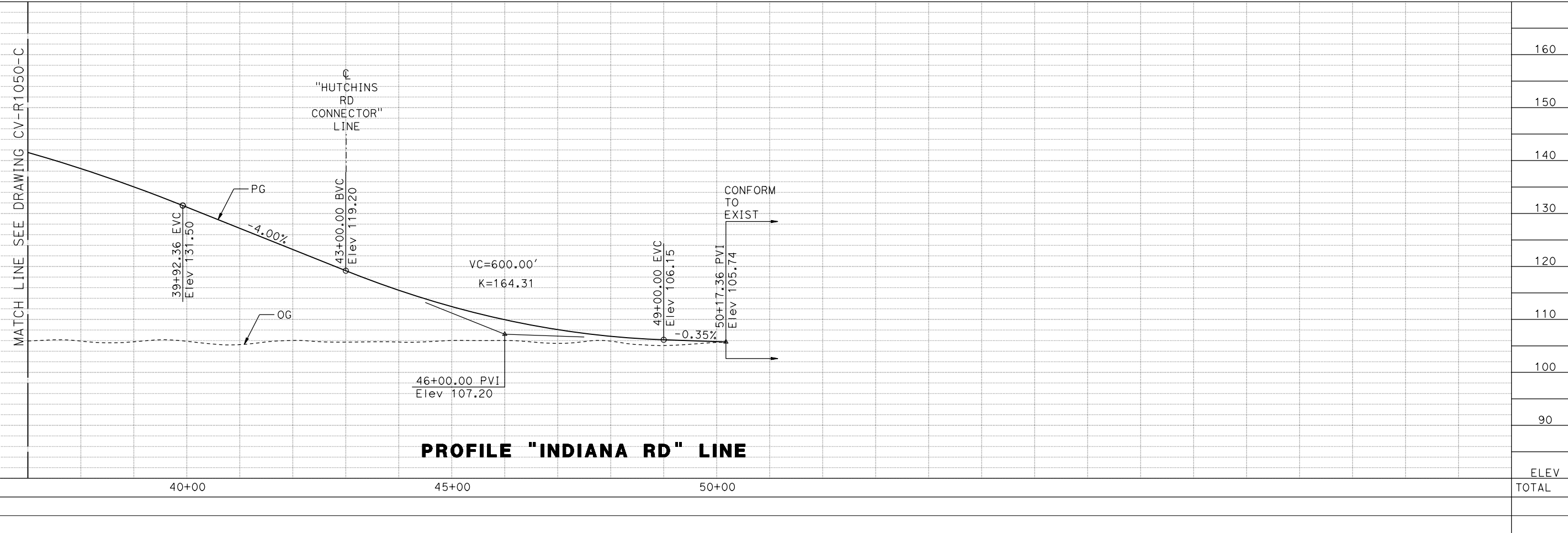
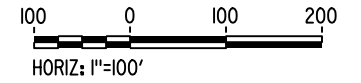
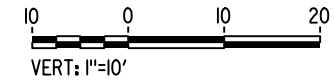
MERCED COUNTY



NOTES:

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

PLAN



PROFILE "INDIANA RD" LINE

17-MAR-2016 7:43 MF-CV-R1051-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
INDIANA ROAD GRADE SEPARATION

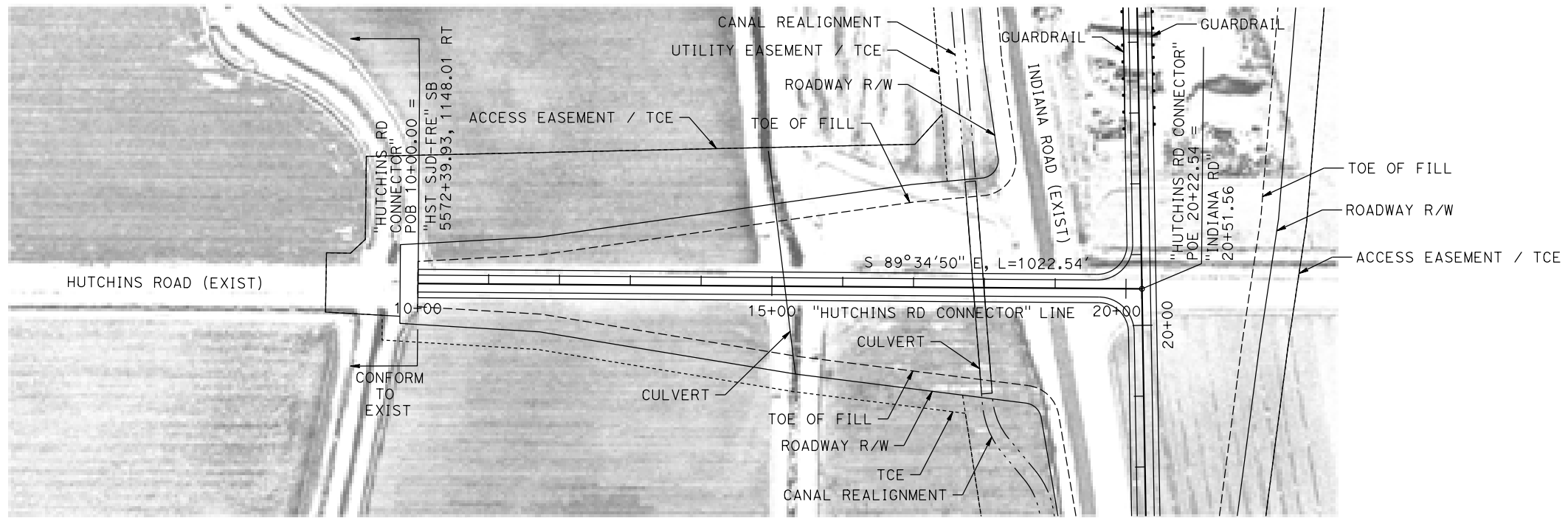
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1051-C

SCALE
AS SHOWN

SHEET NO.

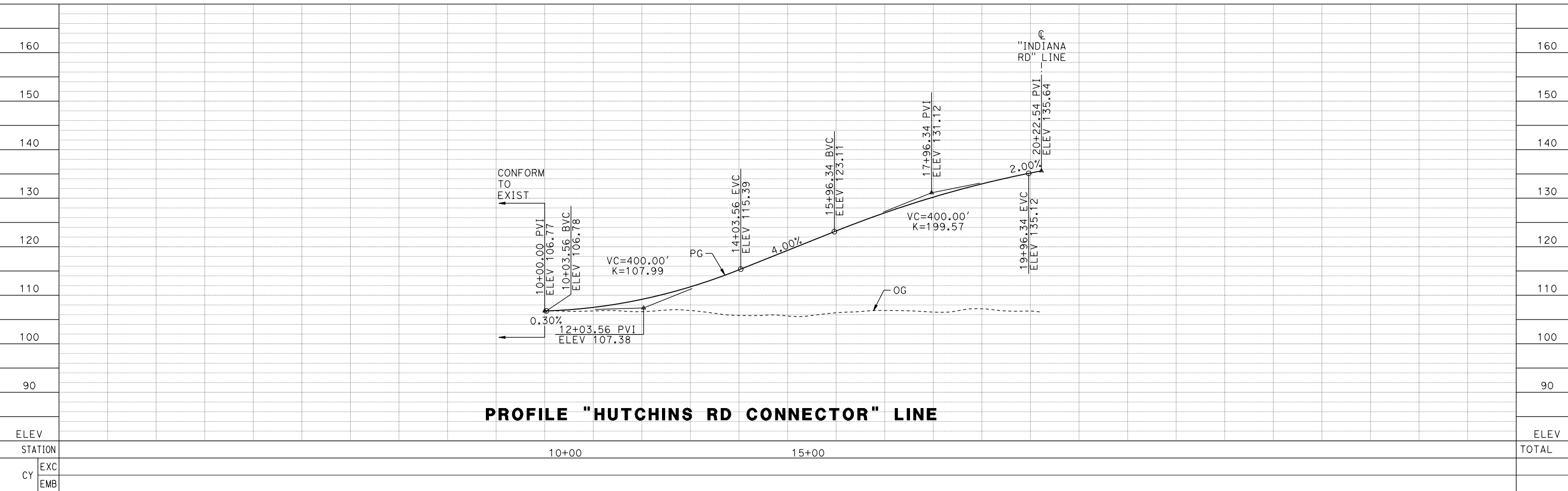
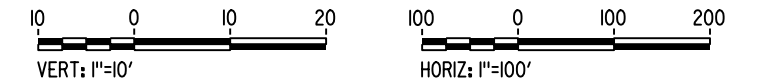
MERCED COUNTY



NOTES:

1. HUTCHINS ROAD CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.

PLAN



PROFILE "HUTCHINS RD CONNECTOR" LINE

17-MAR-2016 7:43 MF-CV-R1052-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 HUTCHINS ROAD CONNECTOR

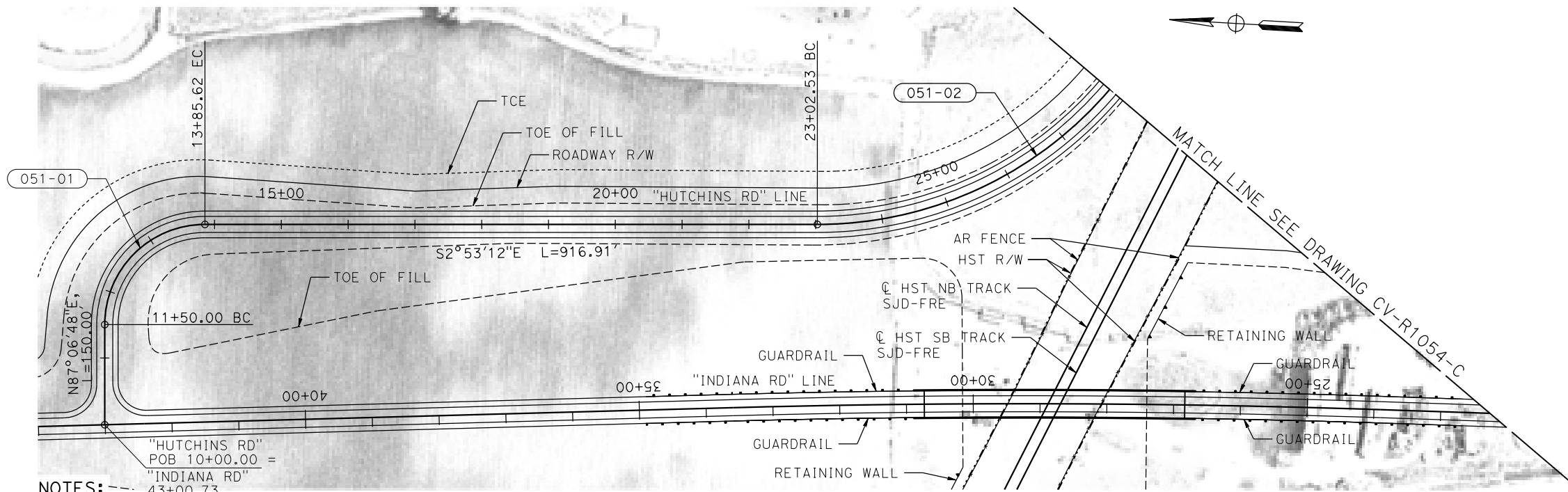
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1052-C

SCALE
AS SHOWN

SHEET NO.

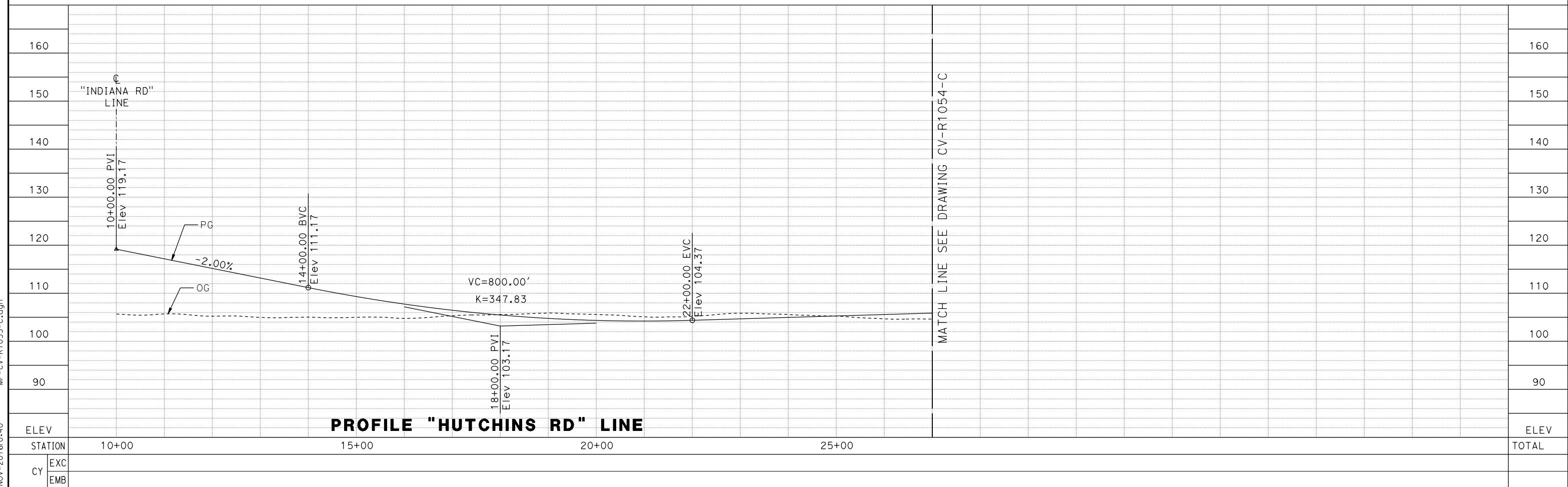
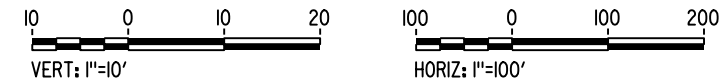
MERCED COUNTY



NOTES:

- HUTCHINS ROAD DESIGNED WITH 30 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "HUTCHINS RD" LINE

ELEV	160	150	140	130	120	110	100	90	ELEV
STATION	10+00	15+00	20+00	25+00					TOTAL
CY	EXC								
	EMB								

22-NOV-2016 10:40 MF-CV-R1053-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
 DRAWN BY
M. TACTAY
 CHECKED BY
J. RAY
 IN CHARGE
C. LEMLEY
 DATE
11/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

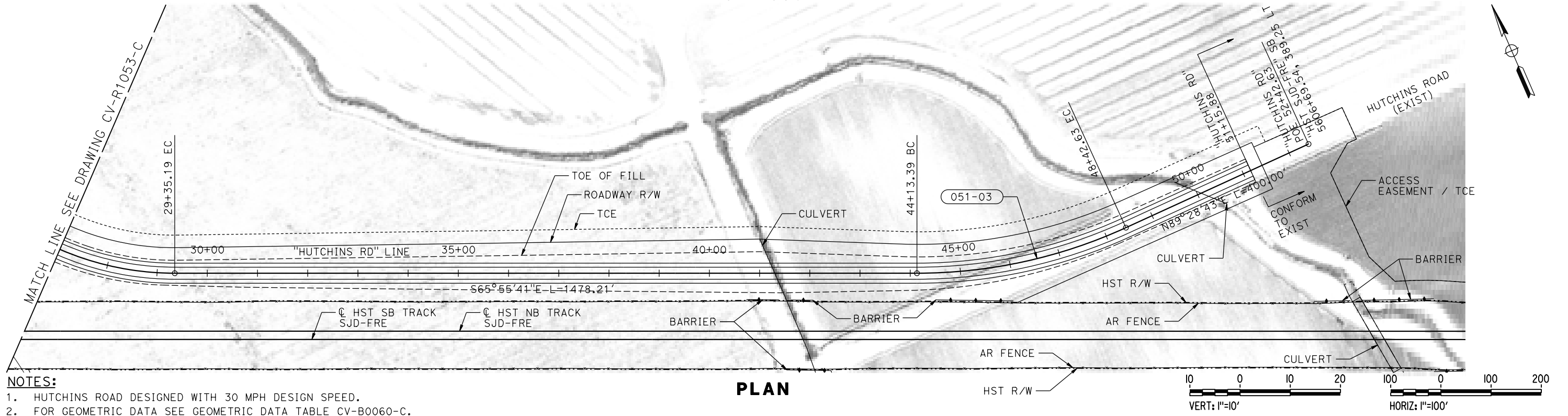
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 HUTCHINS ROAD REALIGNMENT

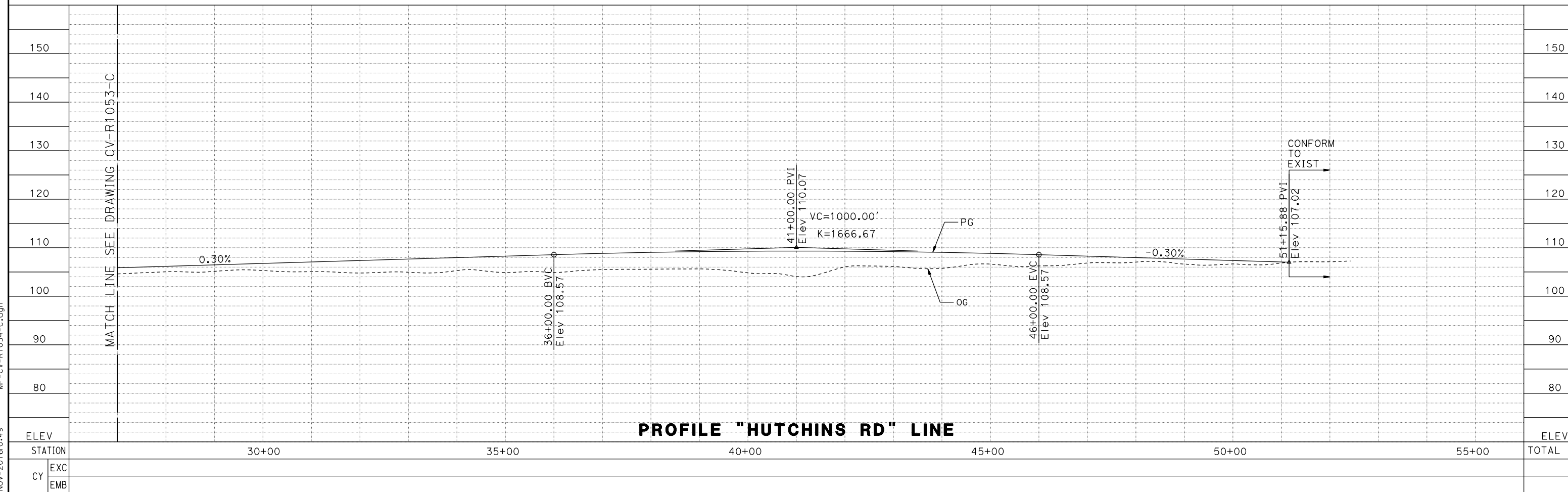
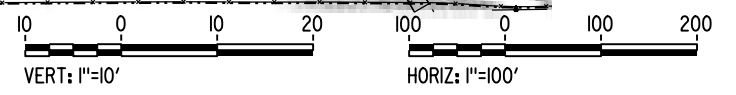
CONTRACT NO.
HSR08-05
 DRAWING NO.
CV-R1053-C
 SCALE
AS SHOWN
 SHEET NO.

MERCED COUNTY



- NOTES:**
- HUTCHINS ROAD DESIGNED WITH 30 MPH DESIGN SPEED.
 - FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "HUTCHINS RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
11/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
HUTCHINS ROAD REALIGNMENT

CONTRACT NO.
HSR08-05

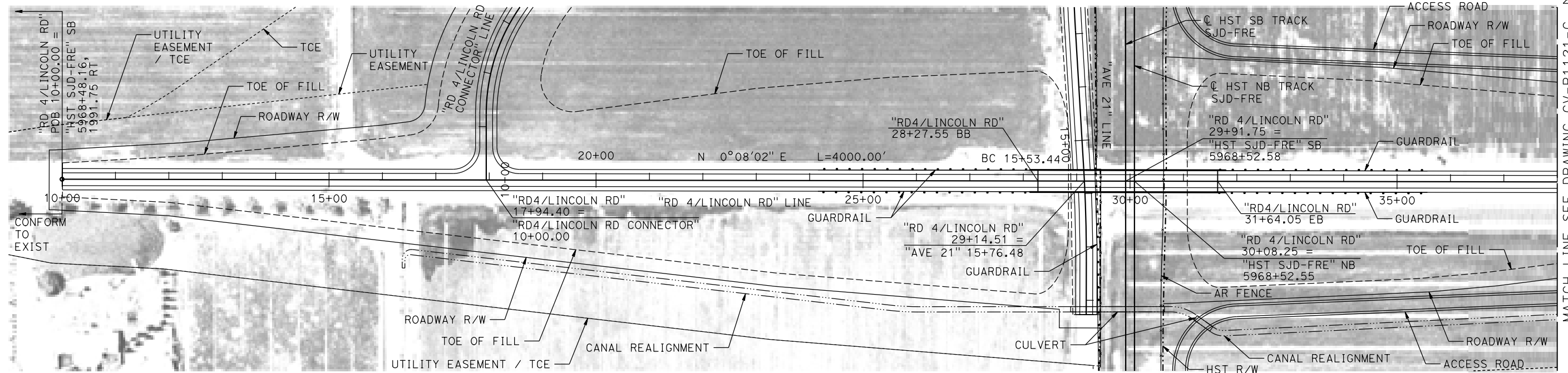
DRAWING NO.
CV-R1054-C

SCALE
AS SHOWN

SHEET NO.

17-NOV-2016 10:49 MF-CV-R1054-C.dgn

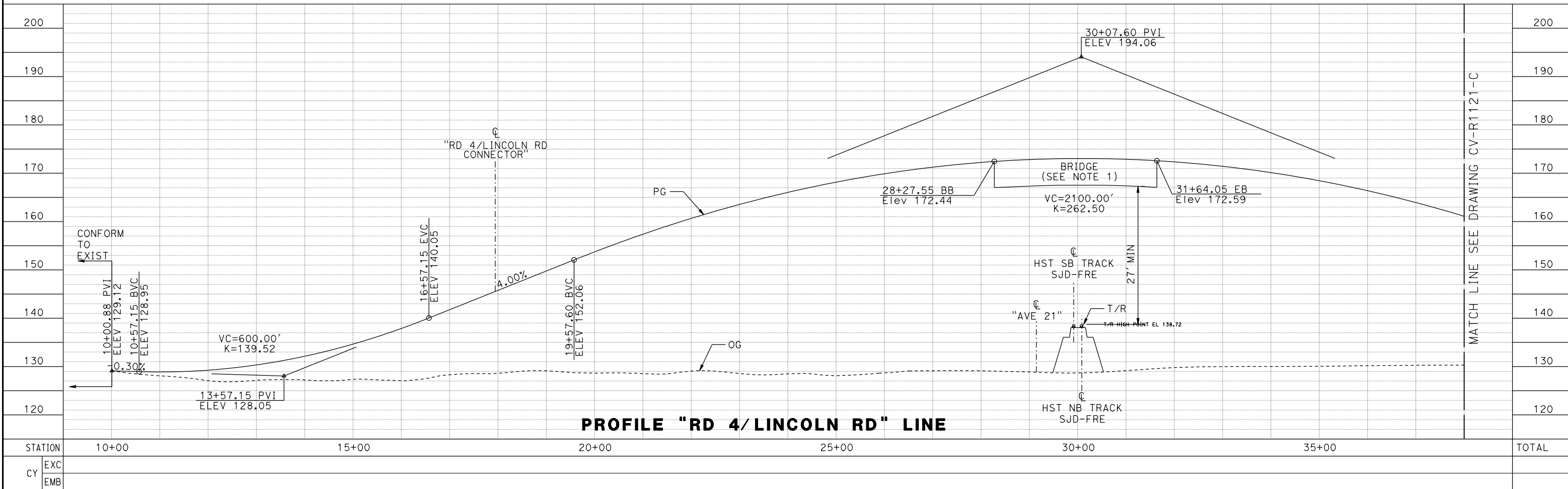
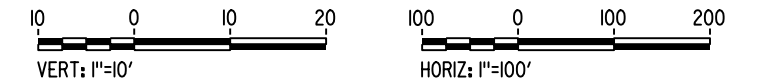
MADERA COUNTY



NOTES:

- FOR DETAILS OF RD 4/LINCOLN RD OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1120-C.
- ROAD 4/ LINCOLN ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 4/LINCOLN RD" LINE

17-MAR-2016 7:45 MF-CV-R1120-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 4 / LINCOLN ROAD GRADE SEPARATION

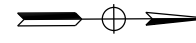
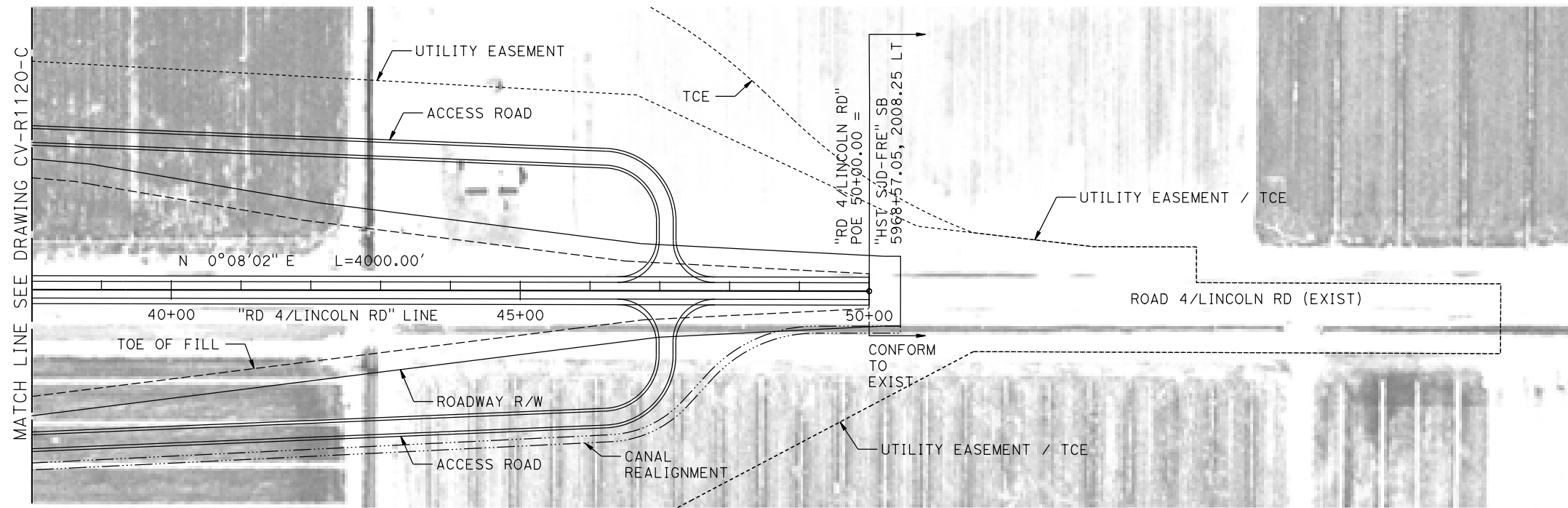
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1120-C

SCALE
AS SHOWN

SHEET NO.

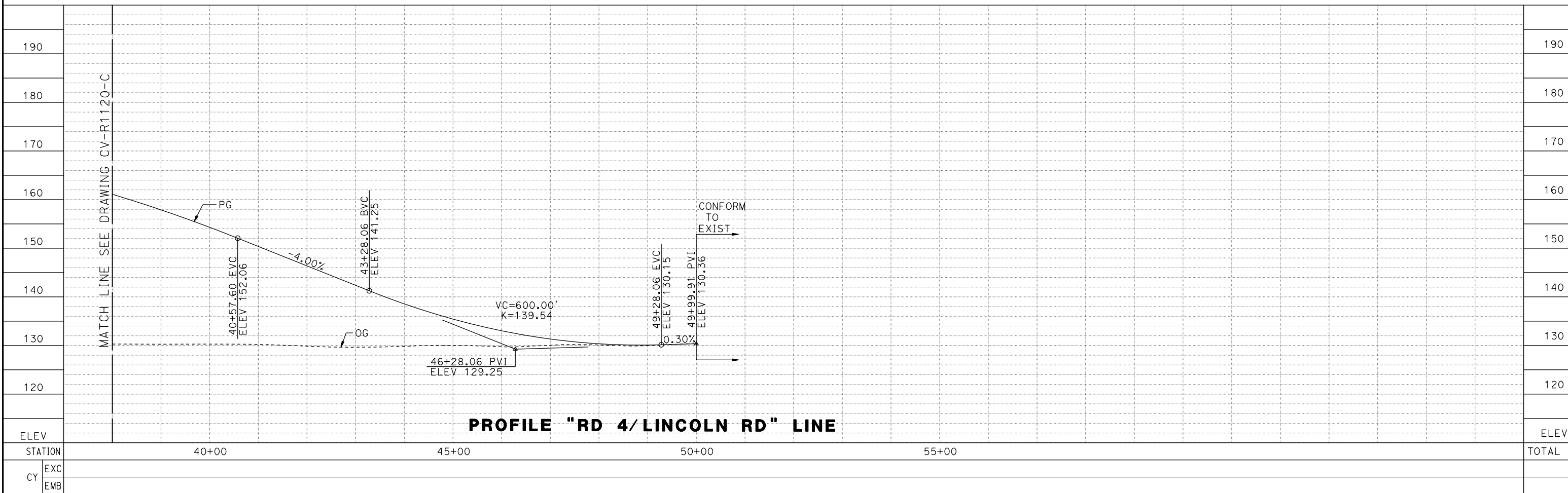
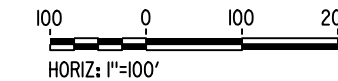
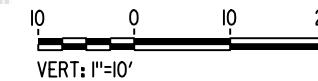
MADERA COUNTY



NOTES:

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

PLAN



PROFILE "RD 4/LINCOLN RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

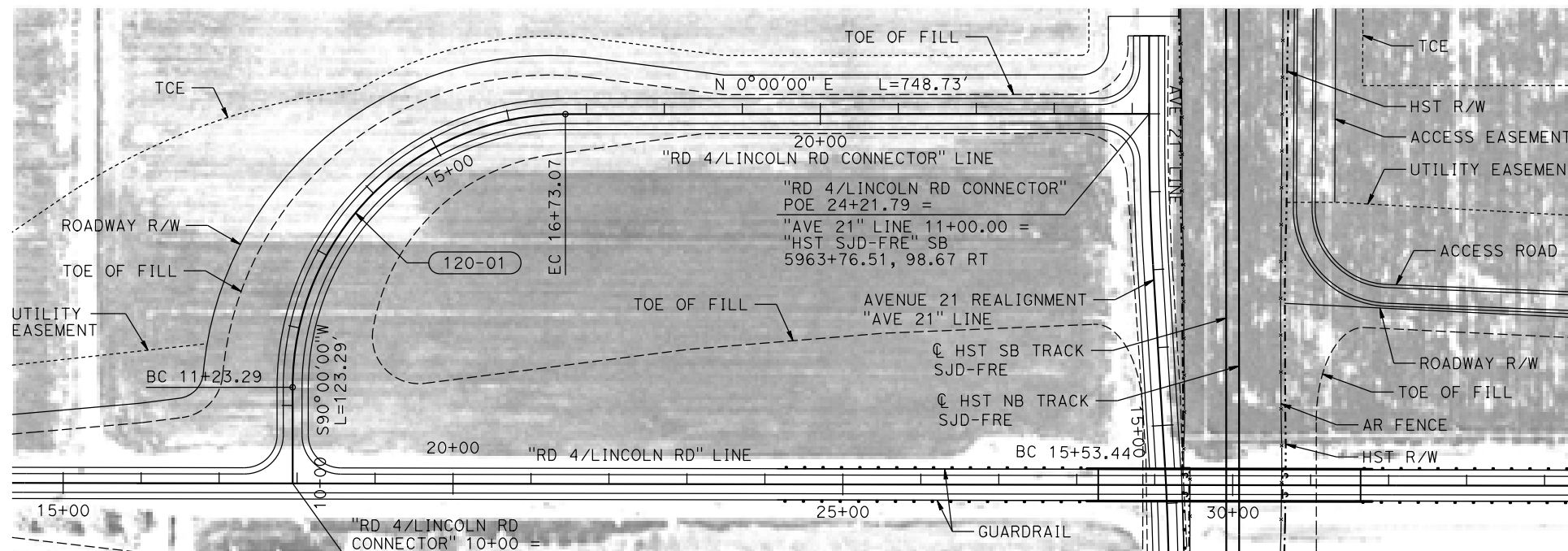


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 4 / LINCOLN ROAD GRADE SEPARATION

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1121-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 7:45 MF-CV-R1121-C.dgn

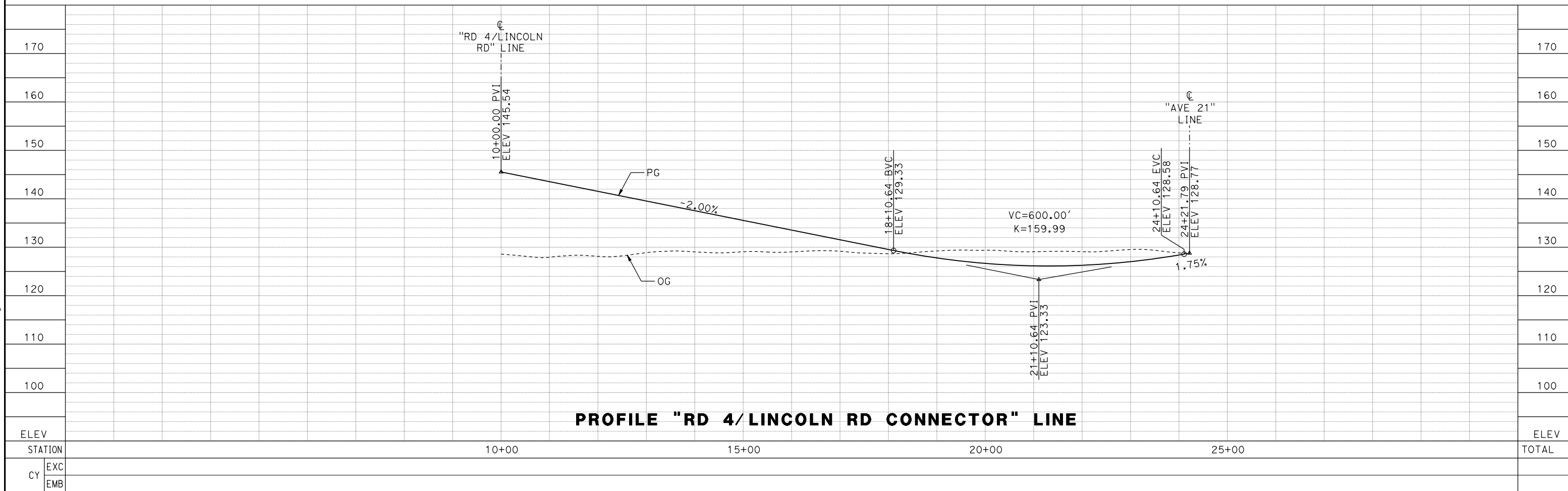
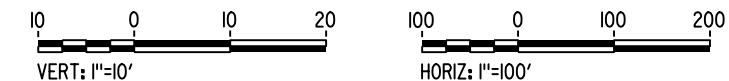
MADERA COUNTY



NOTES:

1. ROAD 4/ LINCOLN ROAD CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "RD 4/LINCOLN RD CONNECTOR" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

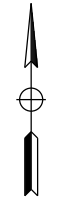
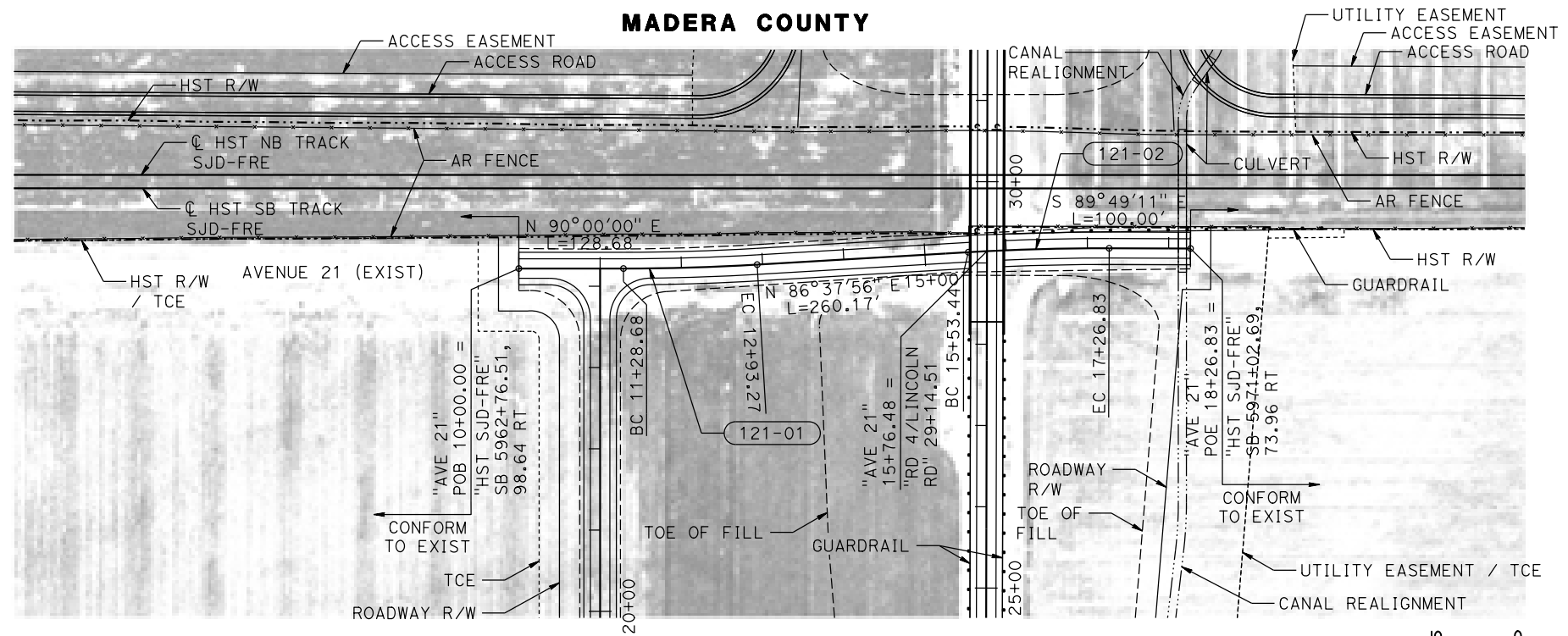
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 4 / LINCOLN ROAD CONNECTOR

CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1122-C
SCALE
AS SHOWN
SHEET NO.

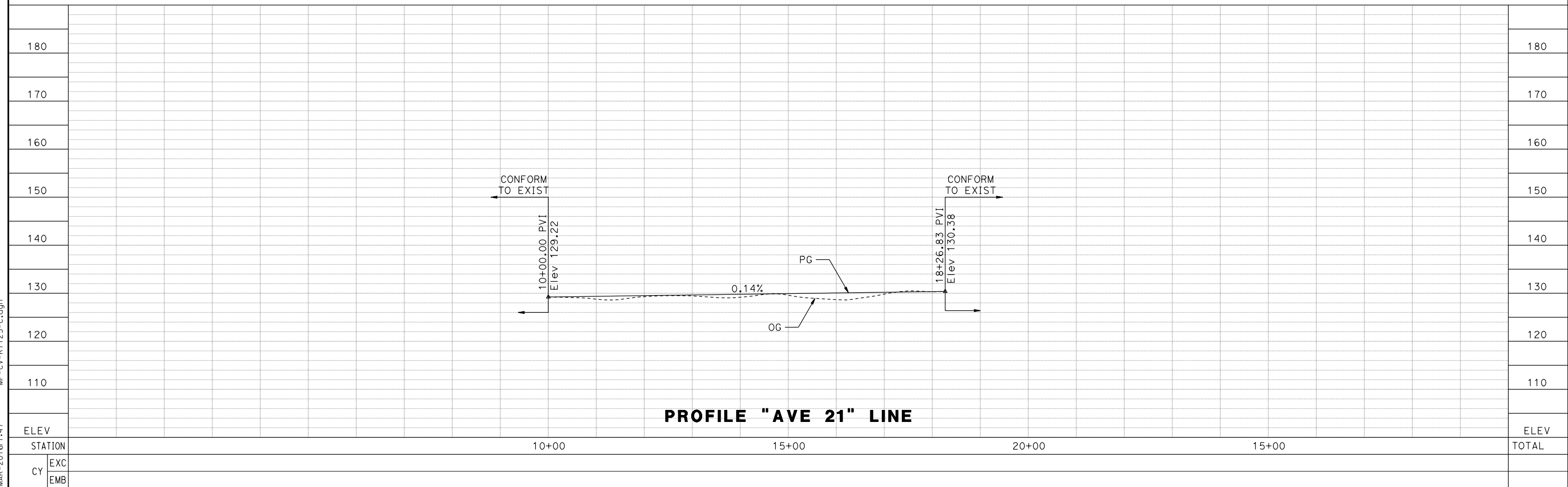
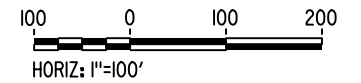
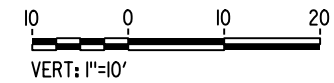
MADERA COUNTY



NOTES:

1. AVENUE 21 REALIGNMENT AT ROAD 4 DESIGNED WITH 25 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "AVE 21" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 REALIGNMENT AT ROAD 4

CONTRACT NO.
HSR08-05

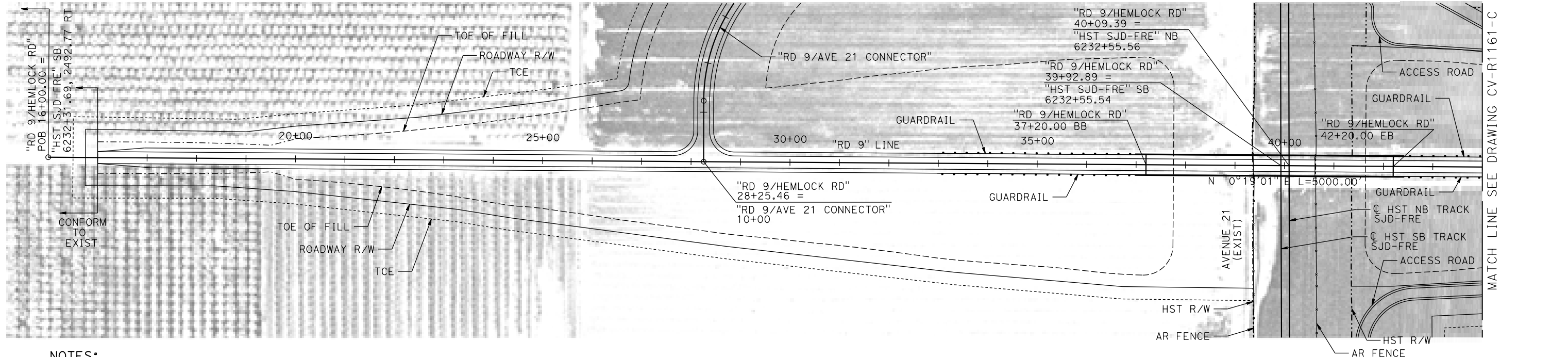
DRAWING NO.
CV-R1123-C

SCALE
AS SHOWN

SHEET NO.

17-MAR-2016 7:47 MF-CV-R1123-C.dgn

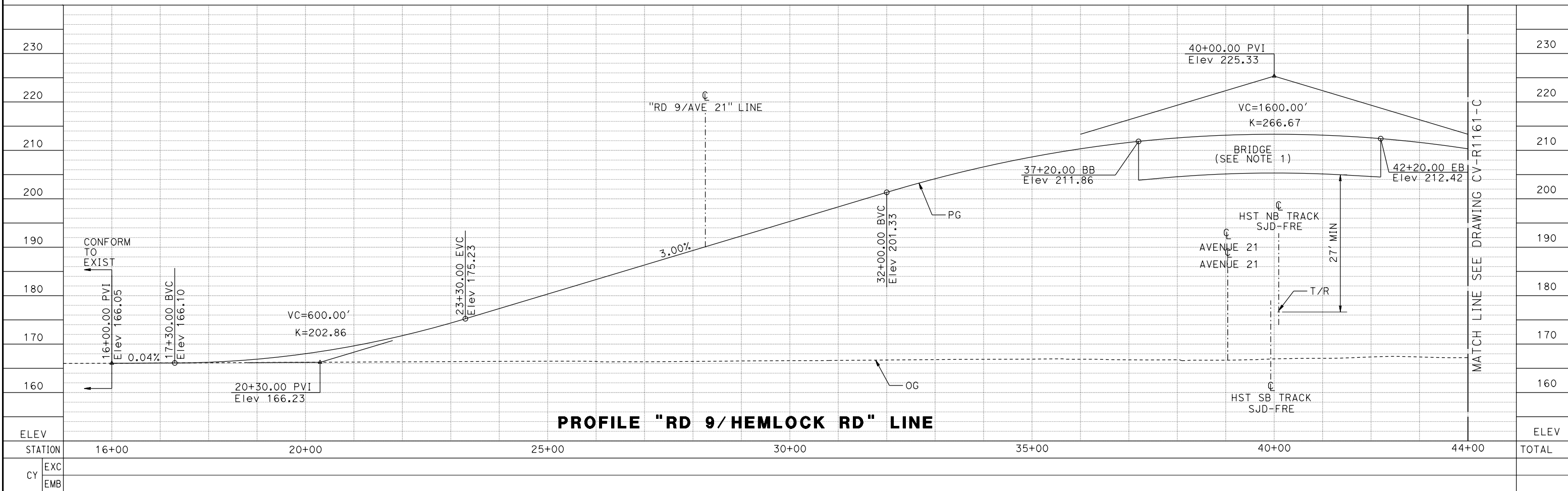
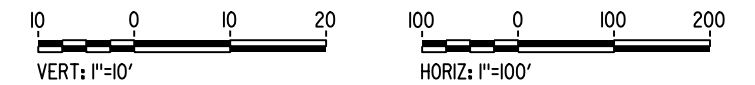
MADERA COUNTY



NOTES:

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

PLAN



PROFILE "RD 9/HEMLOCK RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

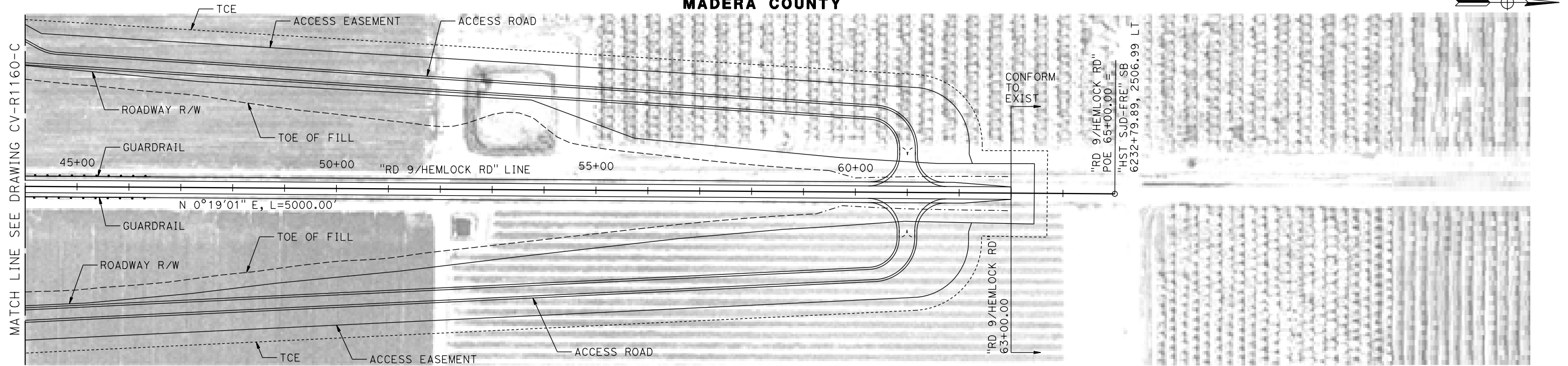


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9 / HEMLOCK ROAD GRADE SEPARATION

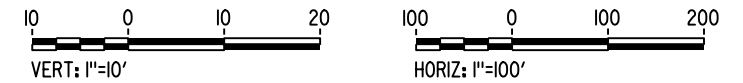
CONTRACT NO.
HSR08-05
DRAWING NO.
CV-R1160-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 7:47 MF-CV-R1160-C.dgn

MADERA COUNTY

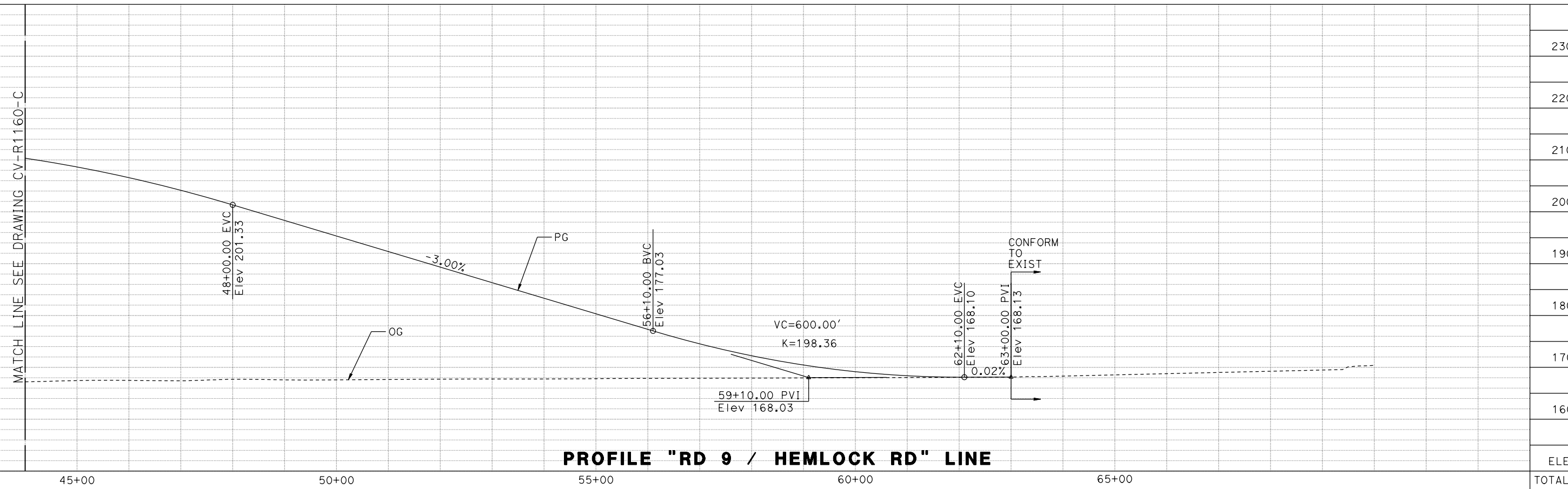


PLAN



NOTES:

1. ROAD 9/ HEMLOCK ROAD DESIGNED WITH 60 MPH DESIGN SPEED.



17-MAR-2016 7:48 MF-CV-R1161-C.dgn

P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9 / HEMLOCK ROAD GRADE SEPARATION

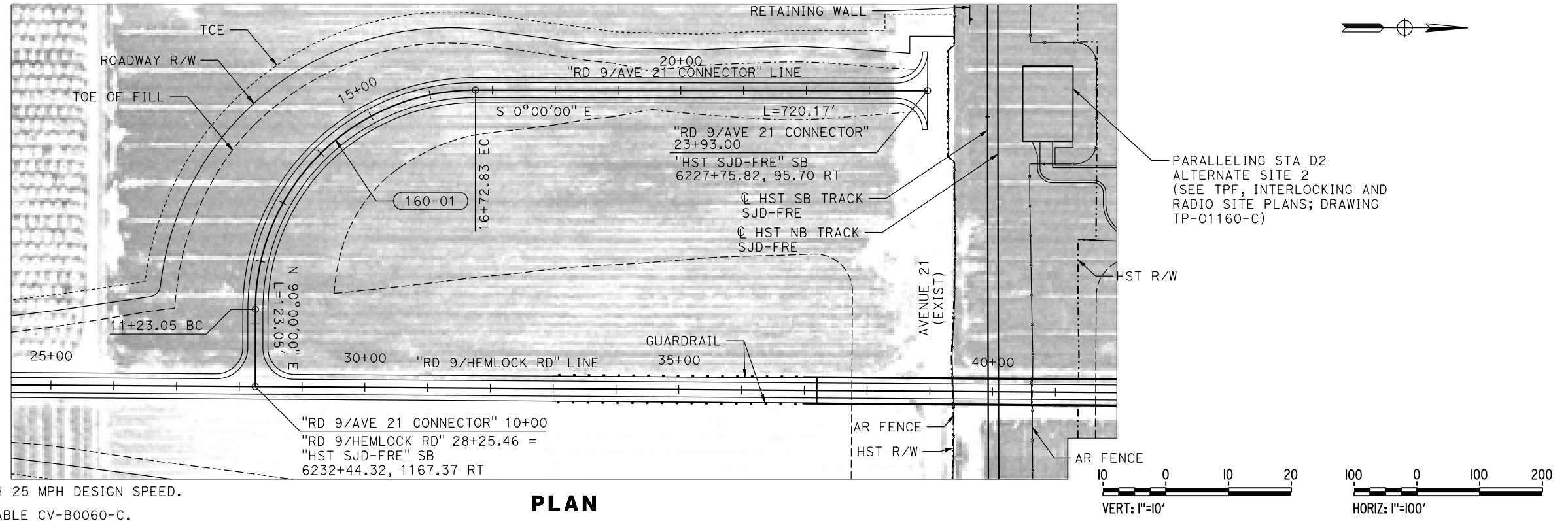
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1161-C

SCALE
AS SHOWN

SHEET NO.

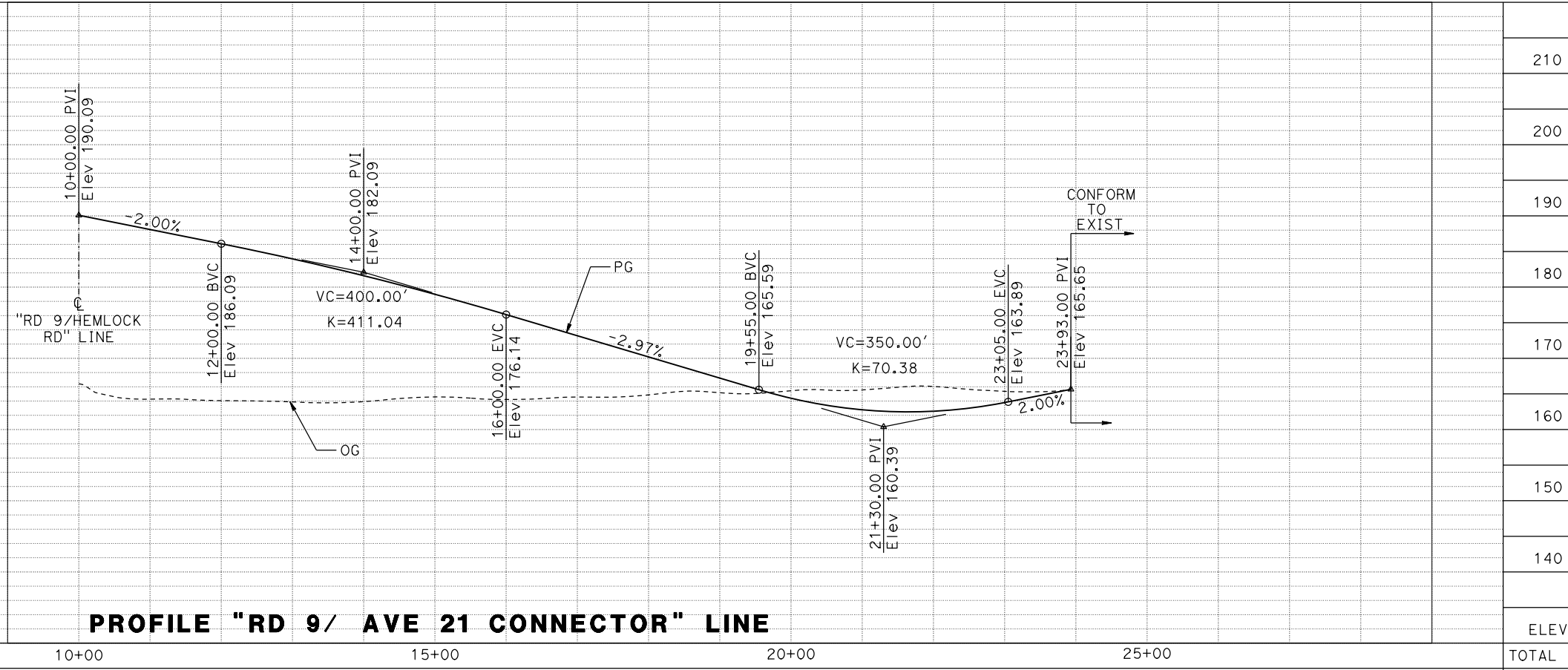
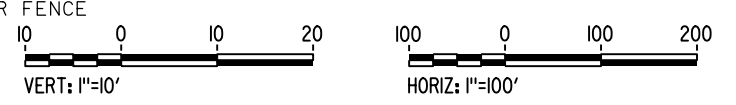
MADERA COUNTY



NOTES:

- ROAD 9/AVENUE 21 CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "RD 9/ AVE 21 CONNECTOR" LINE

17-MAR-2016 7:48 MF-CV-R1162-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9 / AVENUE 21 CONNECTOR

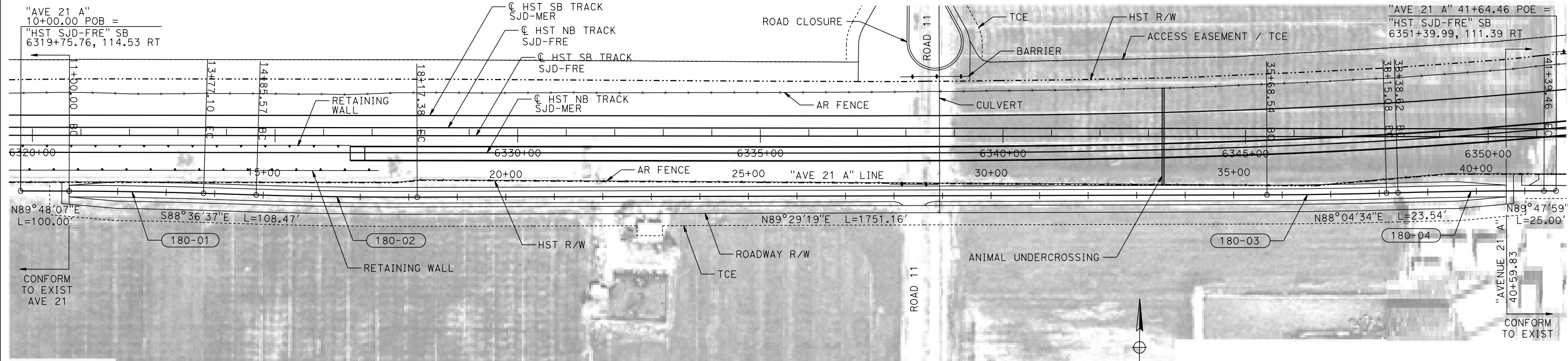
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1162-C

SCALE
AS SHOWN

SHEET NO.

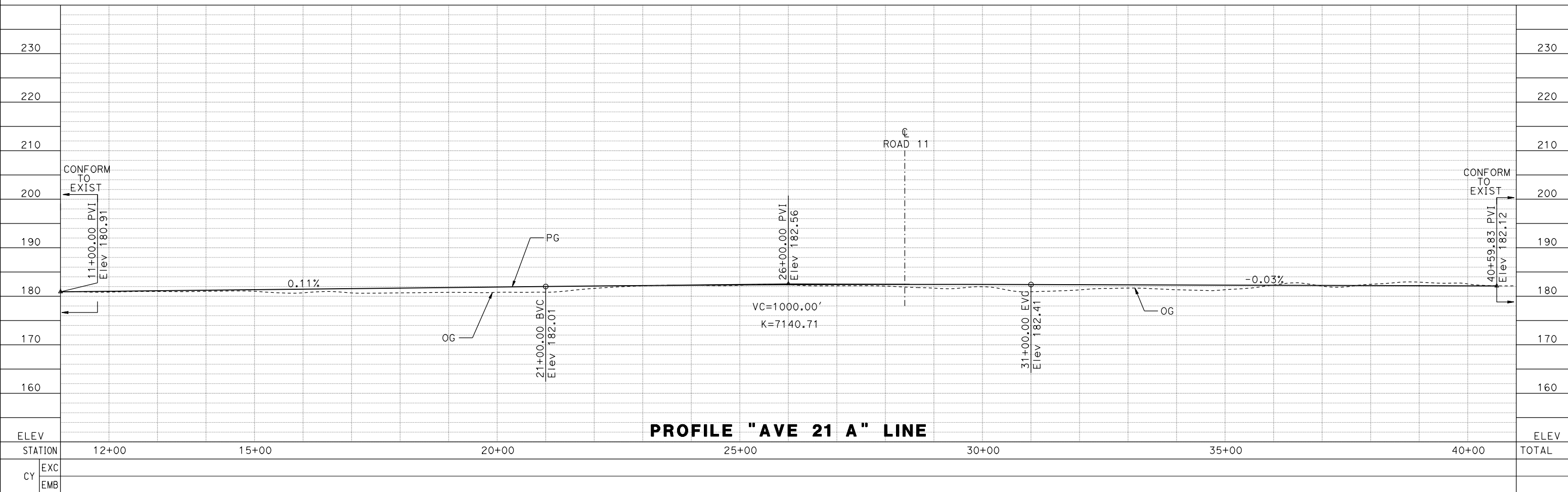
MANDERA COUNTY



NOTES:

1. AVENUE 21 A DESIGNED WITH 25 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.

PLAN



PROFILE "AVE 21 A" LINE

17-MAR-2016 7:49 MF-CV-R1180-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 REALIGNMENT AT ROAD 11

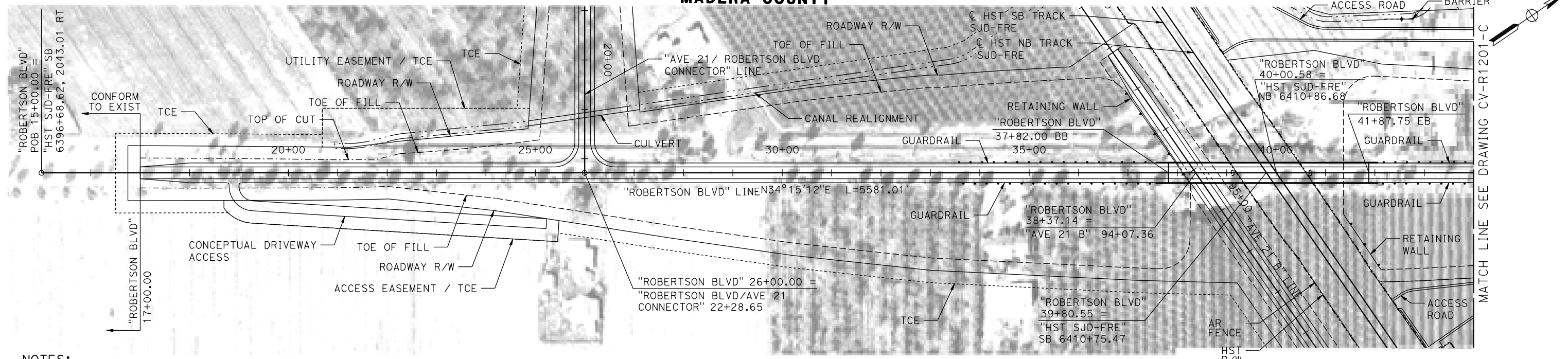
CONTRACT NO.
HSR08-05

DRAWING NO.
CV-R1180-C

SCALE
AS SHOWN

SHEET NO.

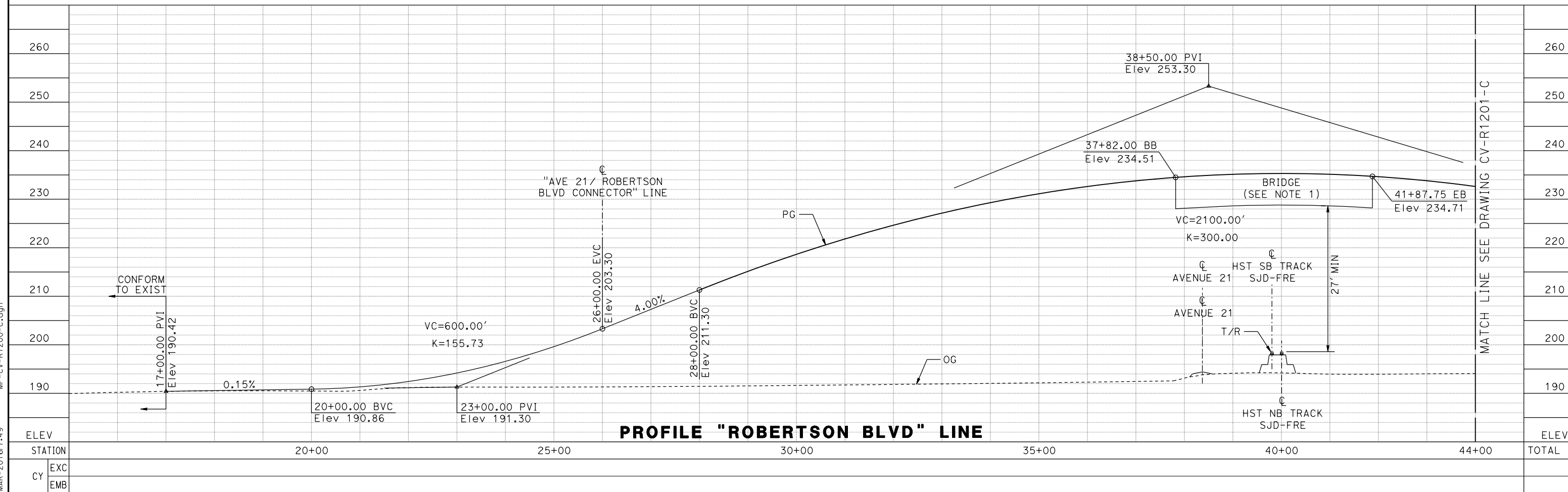
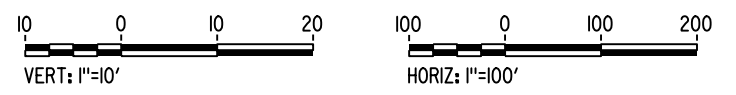
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROBERTSON BLVD/SR 233 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1200-C.
2. ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "ROBERTSON BLVD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

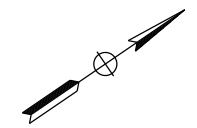
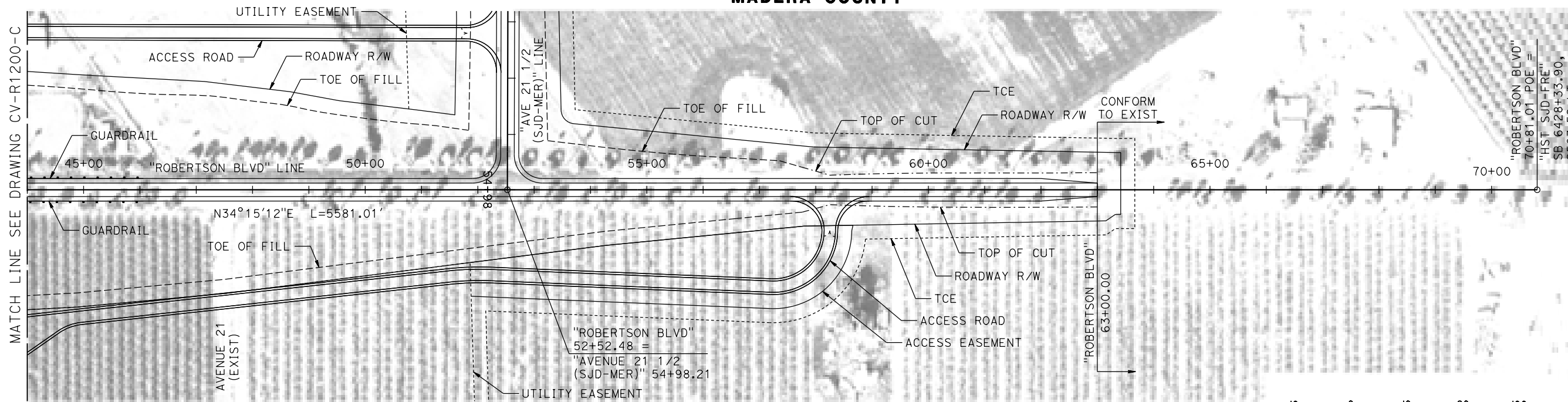


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROBERTSON BLVD GRADE SEPARATION

CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1200-C
 SCALE
AS SHOWN
 SHEET NO.

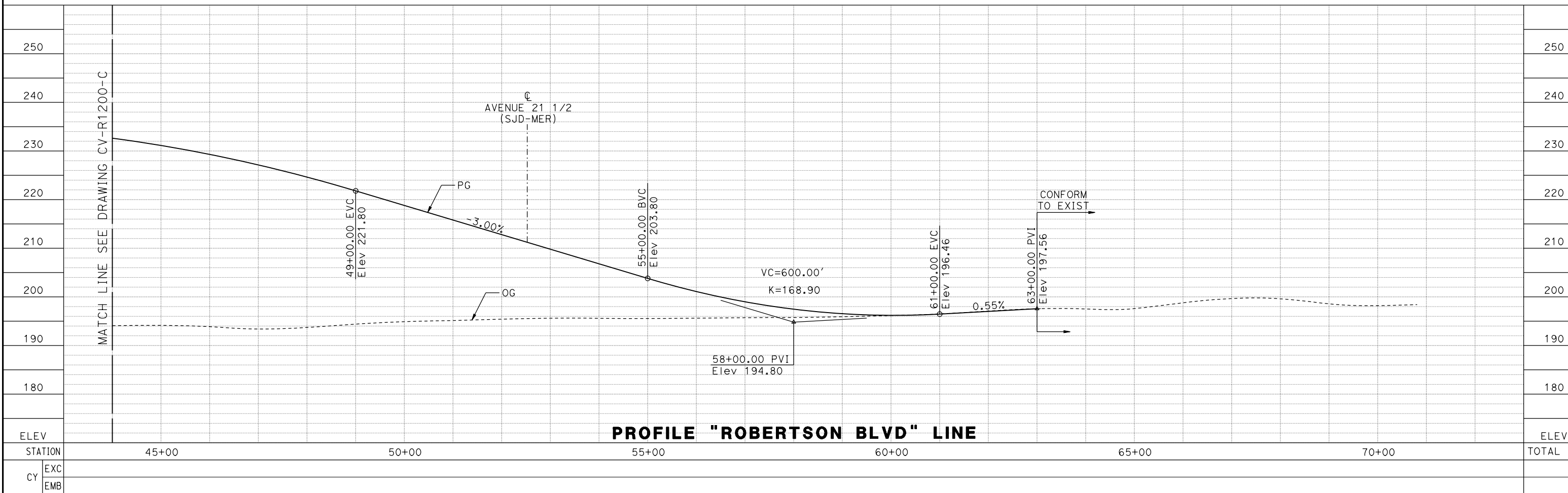
17-MAR-2016 7:49 MF-CV-R1200-C.dgn

MADERA COUNTY



- NOTES:**
- ROBERTSON BLVD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



17-MAR-2016 7:50 MF-CV-R1201-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROBERTSON BLVD GRADE SEPARATION

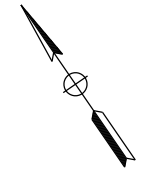
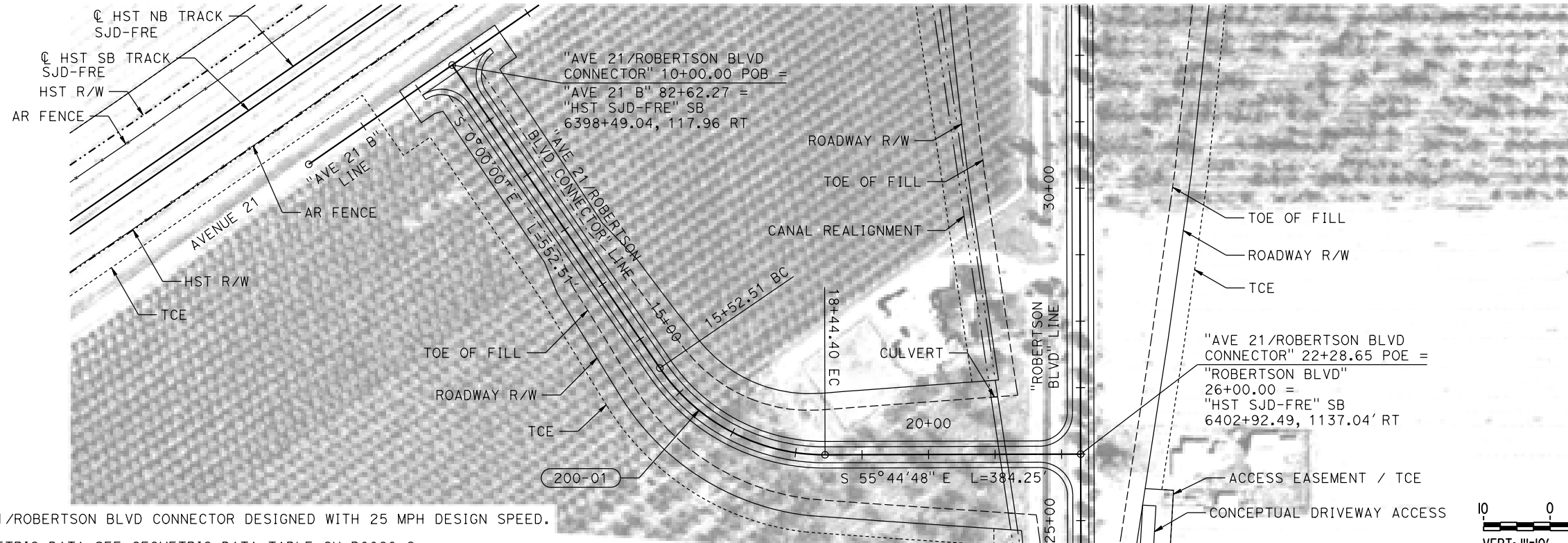
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1201-C

SCALE
AS SHOWN

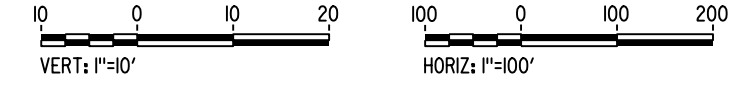
SHEET NO.

MADERA COUNTY

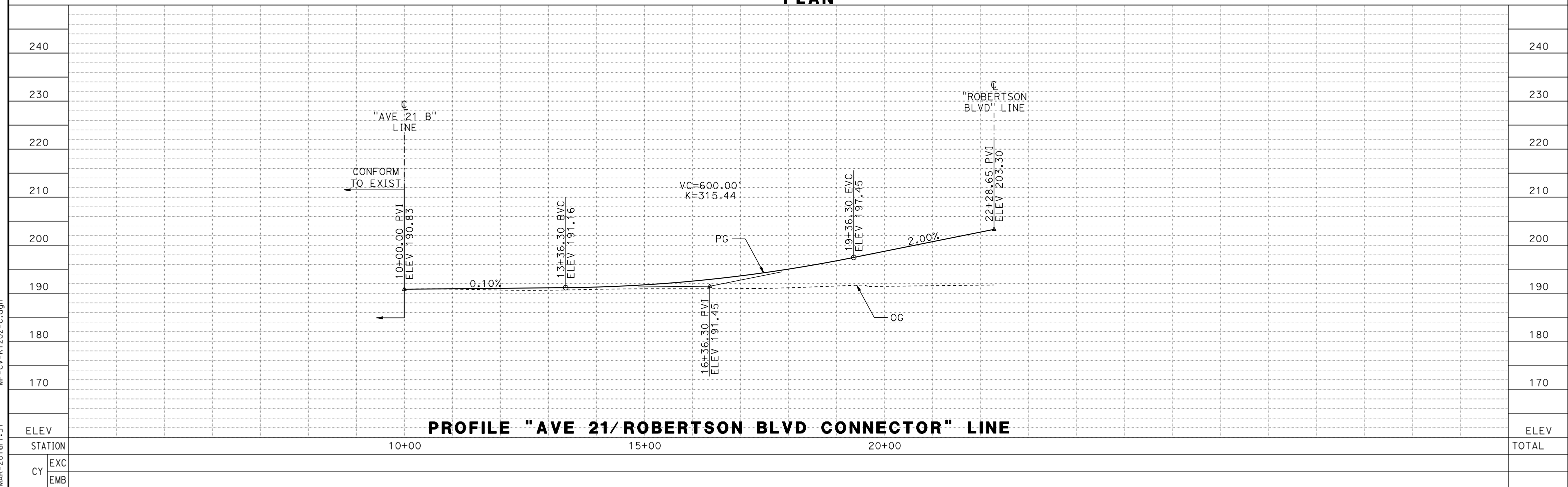


NOTES:

1. AVENUE 21/ROBERTSON BLVD CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-C.



PLAN



PROFILE "AVE 21/ROBERTSON BLVD CONNECTOR" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

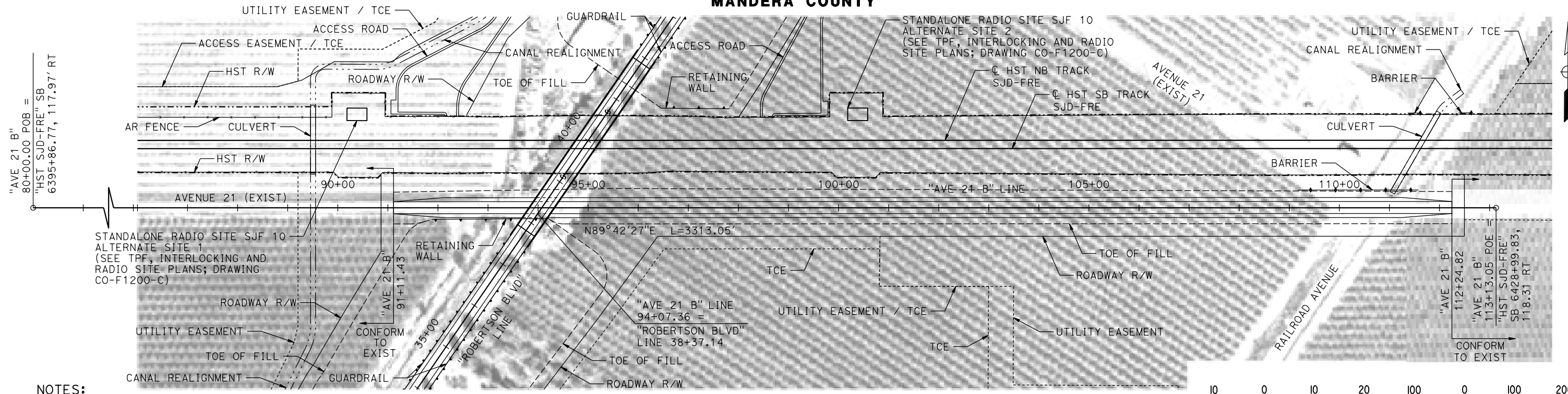


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 / ROBERTSON BLVD CONNECTOR

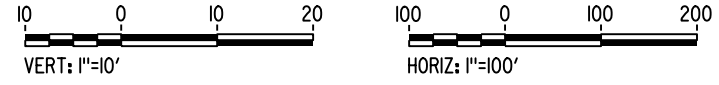
CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1202-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 7:51 MF-CV-R1202-C.dgn

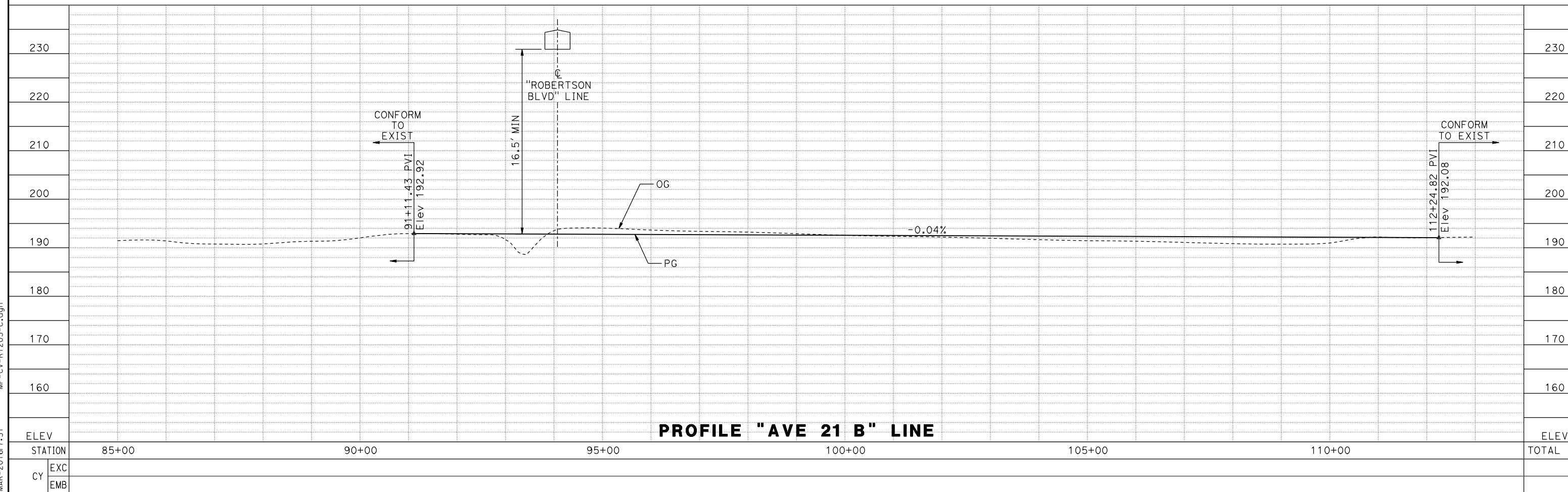
MANDERA COUNTY



NOTES:
 1. AVENUE 21 REALIGNMENT AT ROBERTSON BLVD DESIGNED WITH 65 MPH DESIGN SPEED.



PLAN



PROFILE "AVE 21 B" LINE

17-MAR-2016 7:51 MF-CV-R1203-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

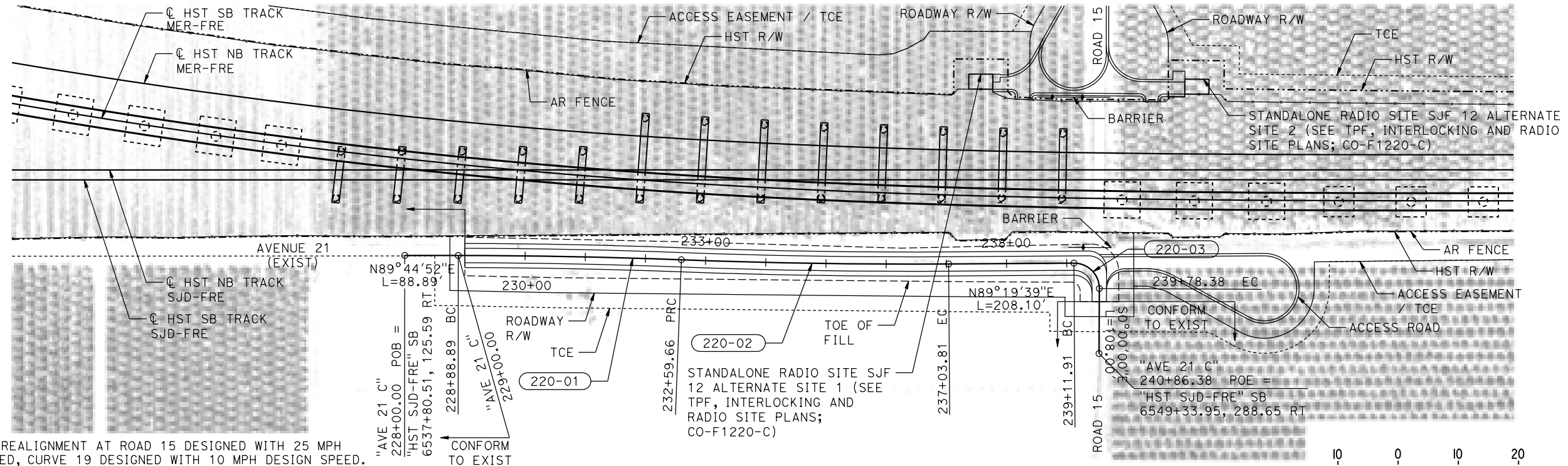
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 AVENUE 21 REALIGNMENT AT ROBERTSON BLVD

CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1203-C
 SCALE
AS SHOWN
 SHEET NO.

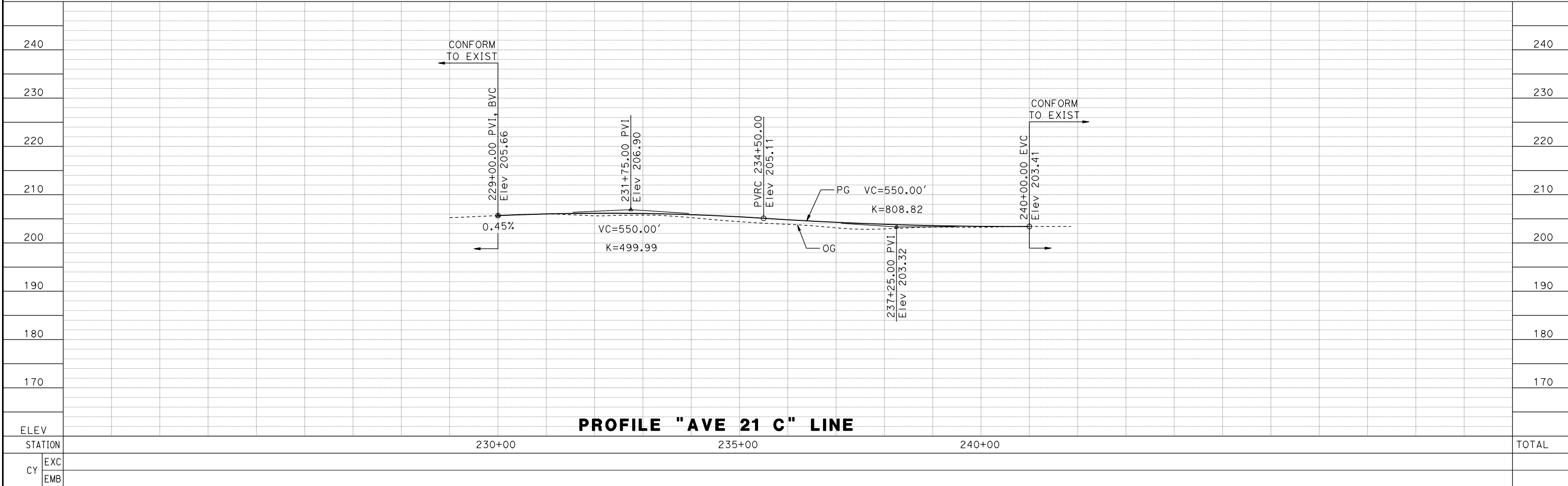
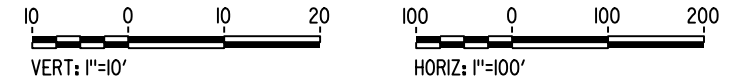
MADERA COUNTY



NOTES:

1. AVENUE 21 REALIGNMENT AT ROAD 15 DESIGNED WITH 25 MPH DESIGN SPEED, CURVE 19 DESIGNED WITH 10 MPH DESIGN SPEED.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.

PLAN



PROFILE "AVE 21 C" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

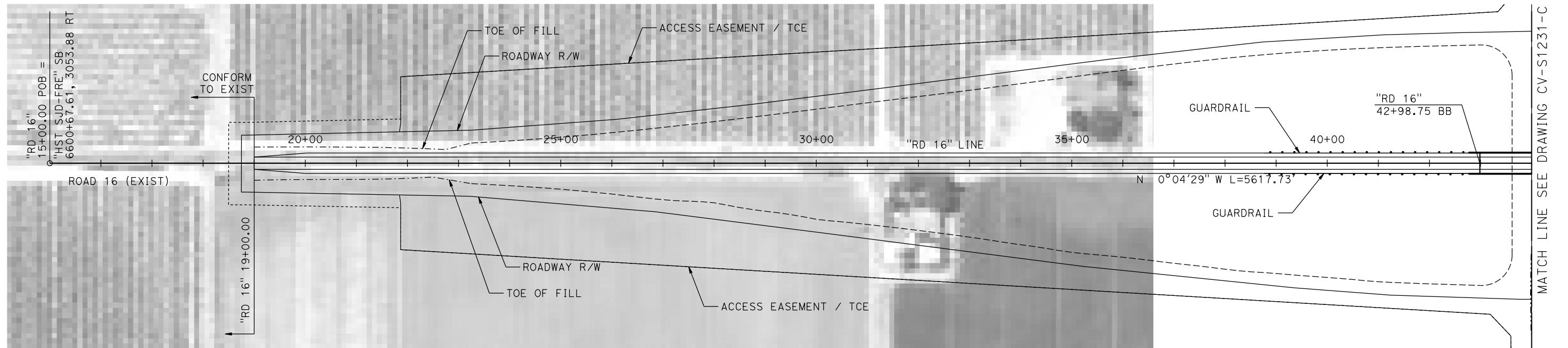


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 REALIGNMENT AT ROAD 15

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1220-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 7:52 MF-CV-R1220-C.dgn

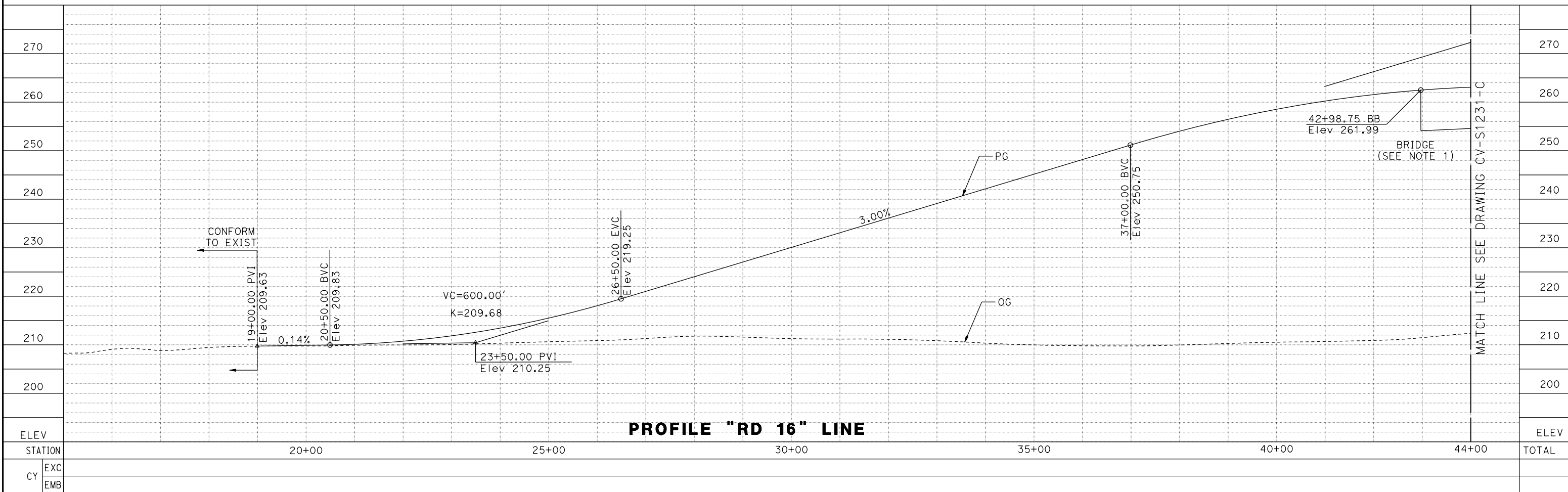
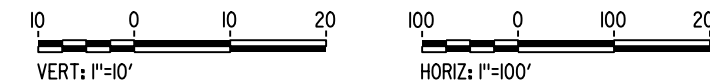
MADERA COUNTY



NOTES:

- FOR DETAIL OF ROAD 16 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1230-C.
- ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 16" LINE

17-MAR-2016 7:52 MF-CV-R1230-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

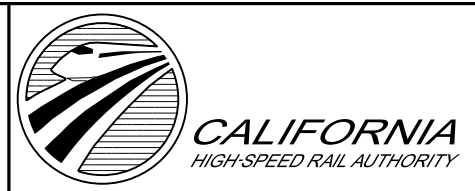
CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16 GRADE SEPARATION

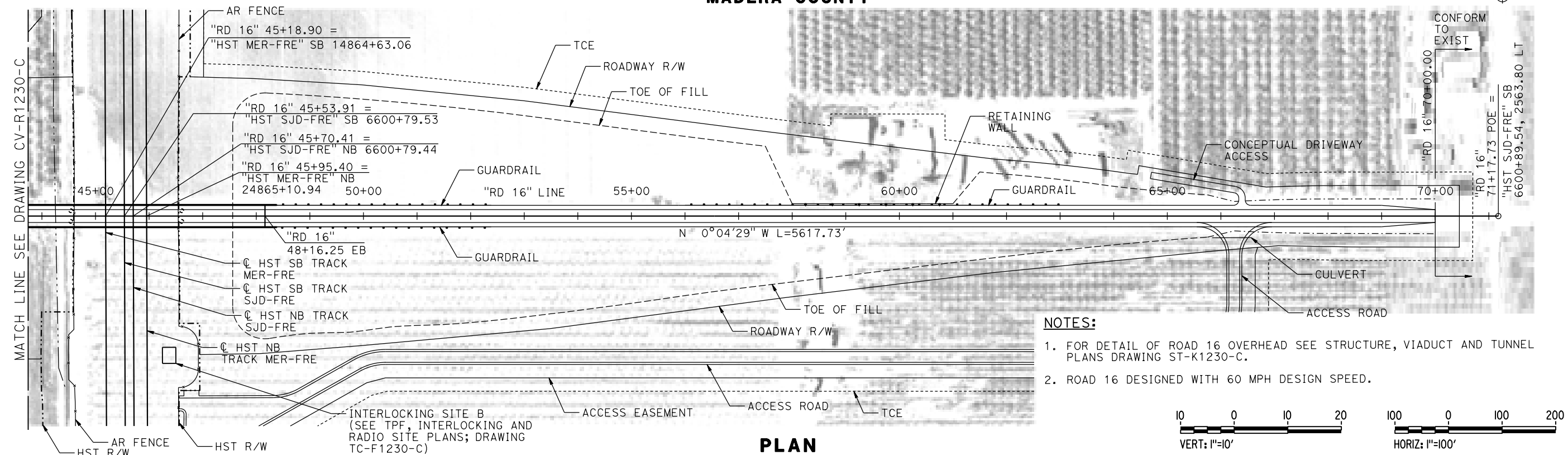
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1230-C

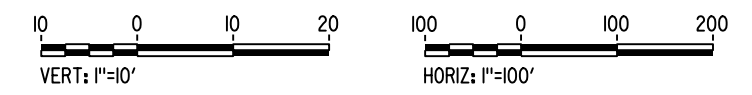
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AS SHOWN

SHEET NO.

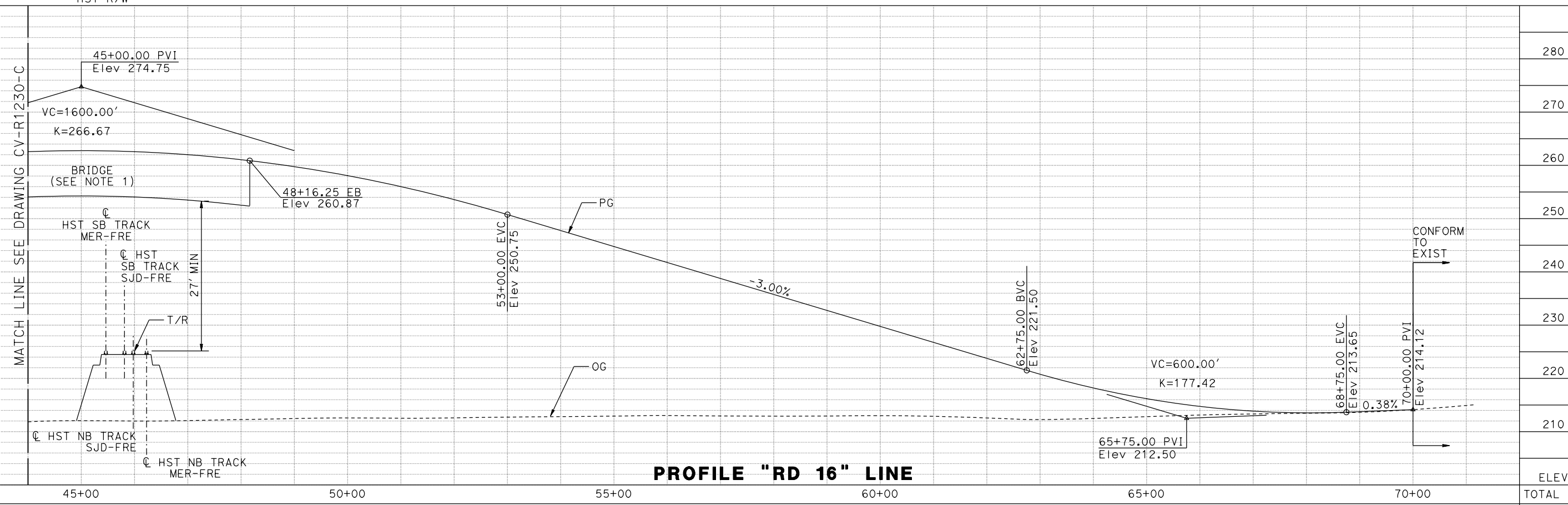
MADERA COUNTY



- NOTES:**
- FOR DETAIL OF ROAD 16 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1230-C.
 - ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.



PLAN



PROFILE "RD 16" LINE

ELEV	280	270	260	250	240	230	220	210
STATION	45+00	50+00	55+00	60+00	65+00	70+00	TOTAL	
CY	EXC							
	EMB							

18-MAR-2016 3:46 MF-CV-R1231-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 16 GRADE SEPARATION

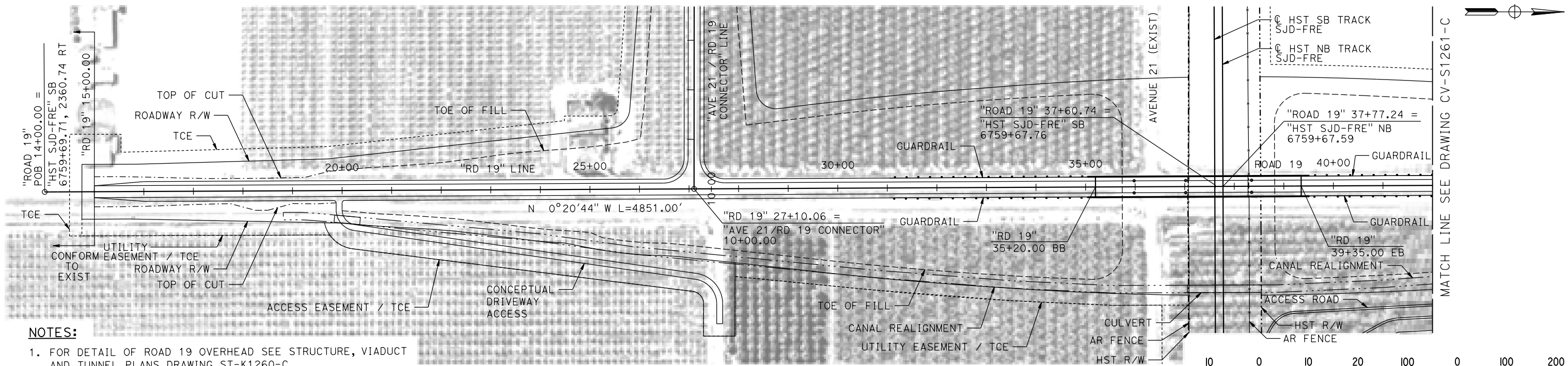
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1231-C

SCALE
AS SHOWN

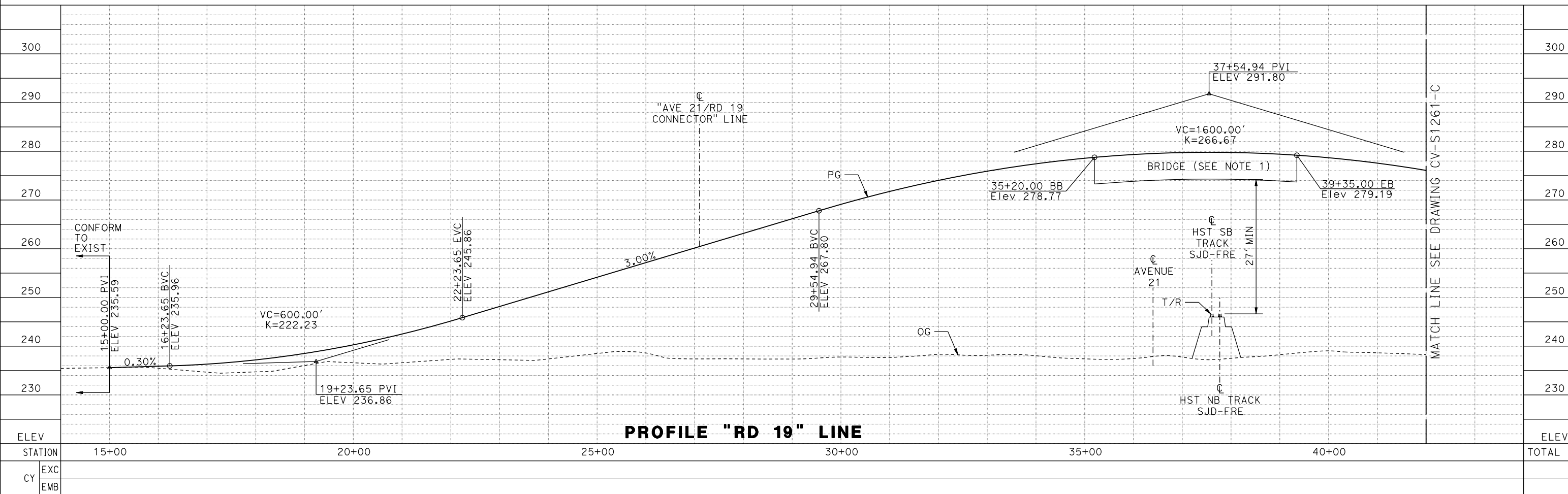
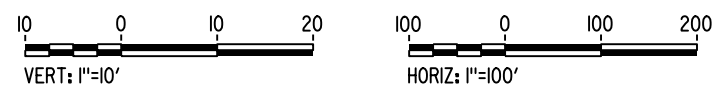
SHEET NO.

MADERA COUNTY



- NOTES:**
- FOR DETAIL OF ROAD 19 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1260-C.
 - ROAD 19 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 19" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 19 GRADE SEPARATION

CONTRACT NO.
03/18/2016

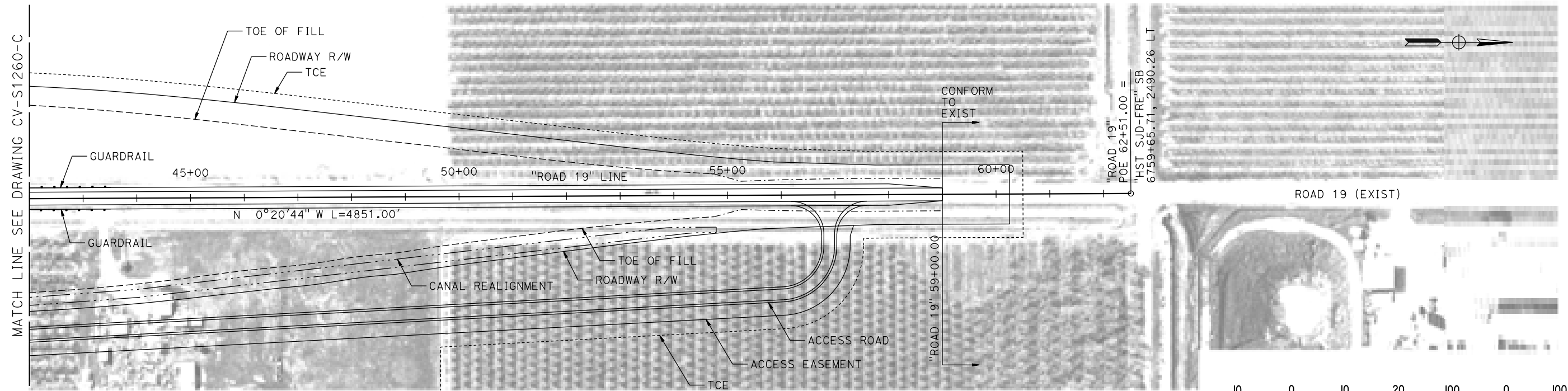
DRAWING NO.
CV-R1260-C

SCALE
AS SHOWN

SHEET NO.

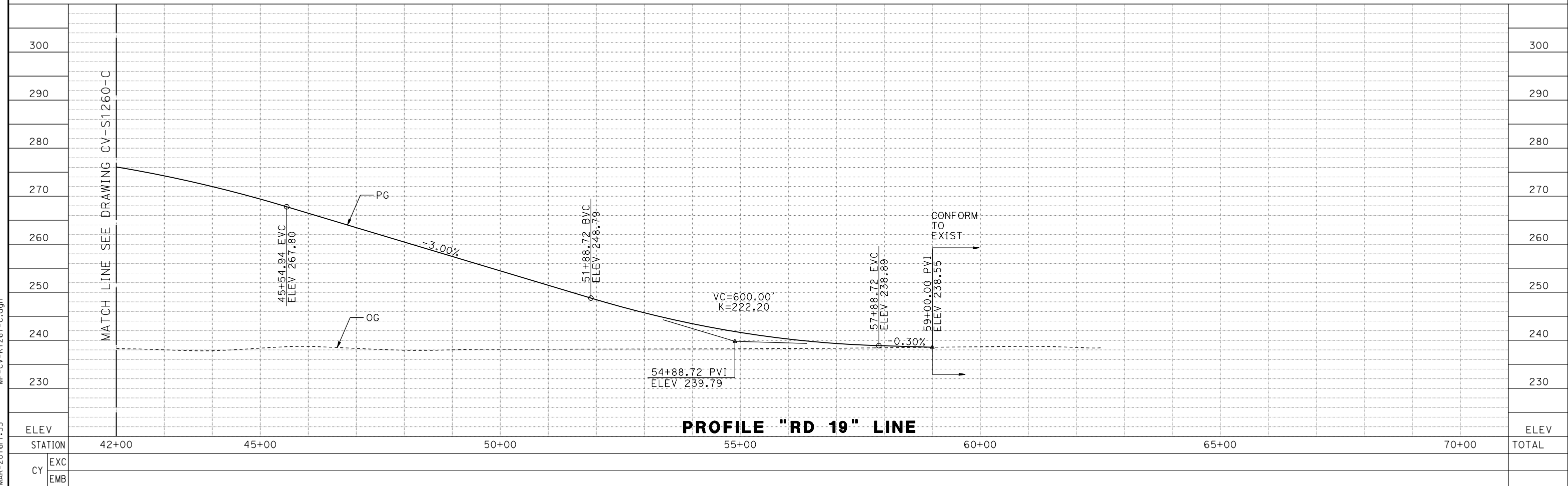
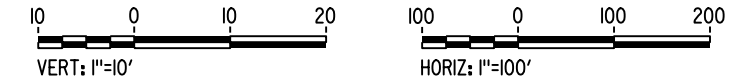
17-MAR-2016 7:53 MF-CV-R1260-C.dgn

MADERA COUNTY



NOTES:
1. ROAD 19 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 19" LINE

17-MAR-2016 7:53 MF-CV-R1261-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

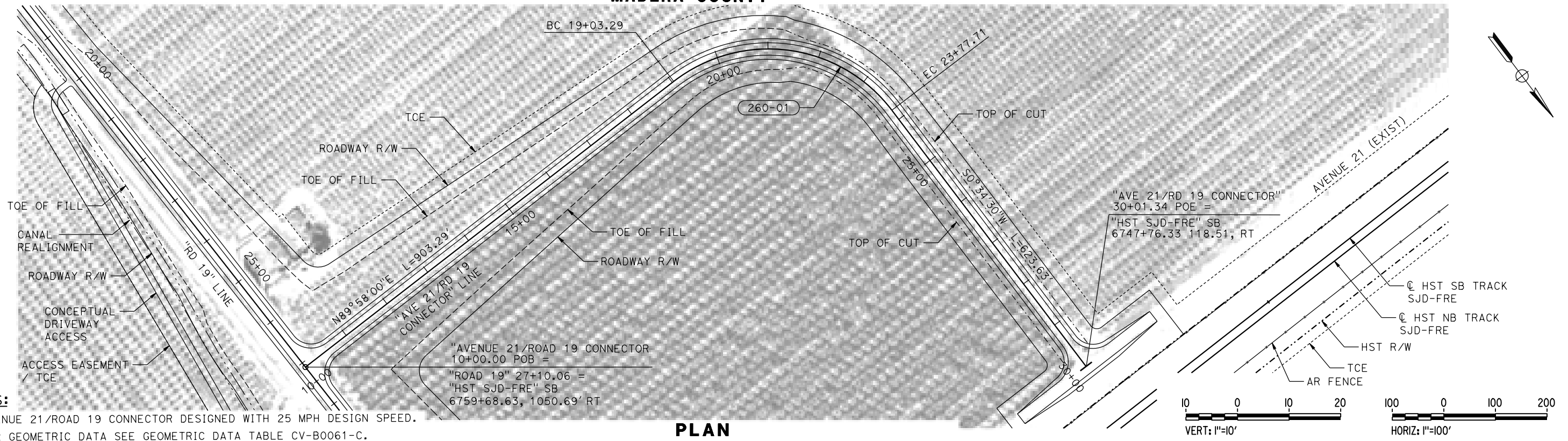


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 19 GRADE SEPARATION

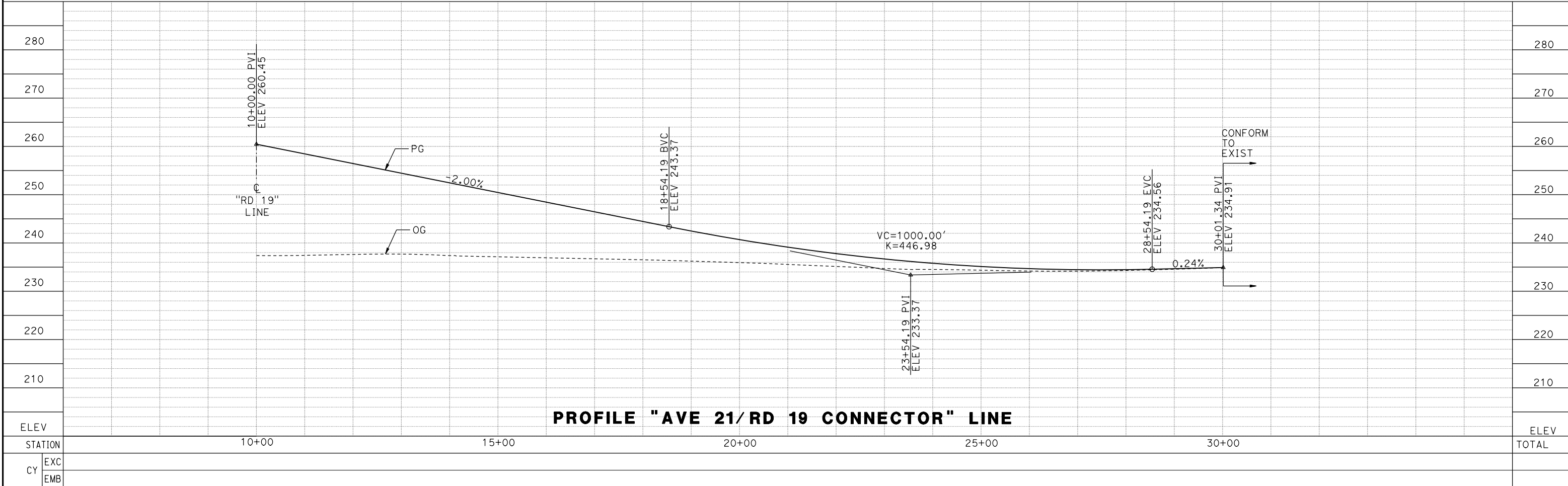
CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1261-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



- NOTES:**
1. AVENUE 21/ROAD 19 CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.
 2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.

PLAN



PROFILE "AVE 21/RD 19 CONNECTOR" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21/ ROAD 19 CONNECTOR

CONTRACT NO.
03/18/2016

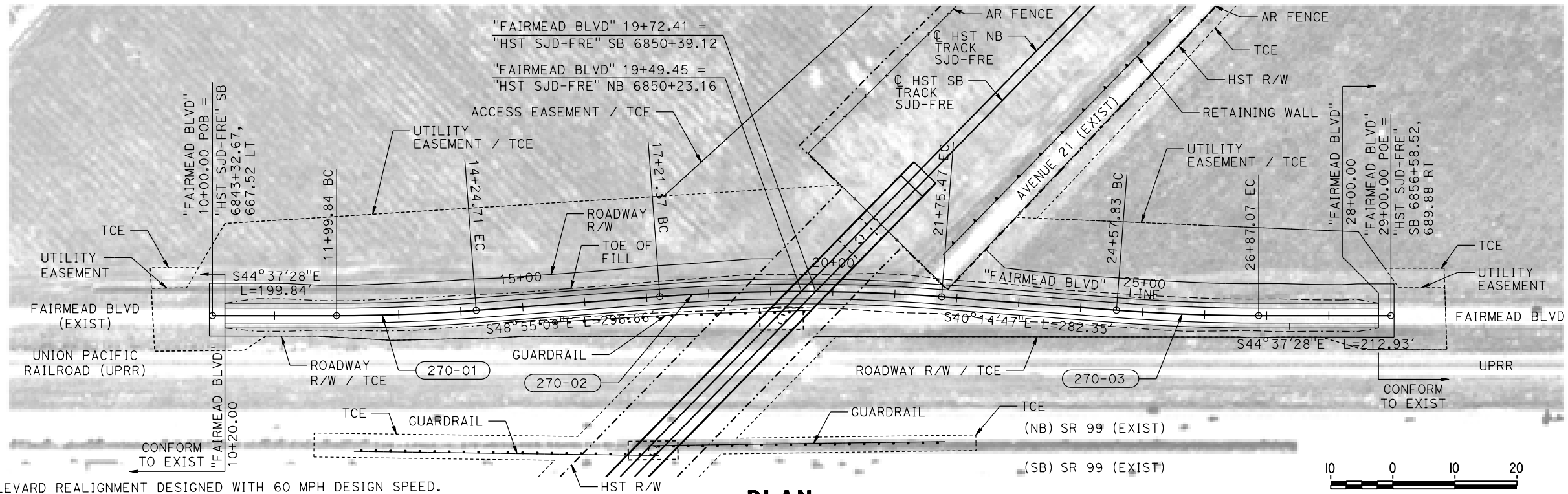
DRAWING NO.
CV-R1262-C

SCALE
AS SHOWN

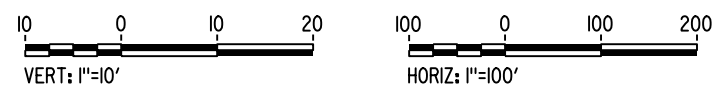
SHEET NO.

17-MAR-2016 7:54 MF-CV-R1262-C.dgn

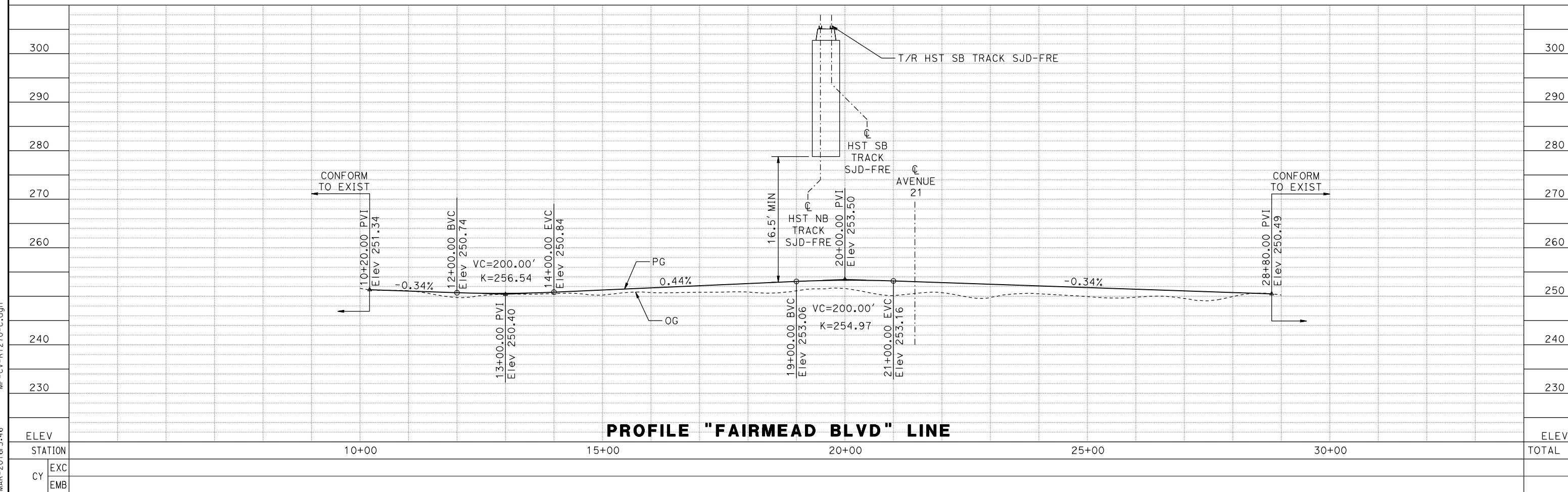
MANDERA COUNTY



- NOTES:**
- FAIRMEAD BOULEVARD REALIGNMENT DESIGNED WITH 60 MPH DESIGN SPEED.
 - FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.



PLAN



PROFILE "FAIRMEAD BLVD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 FAIRMEAD BLVD REALIGNMENT

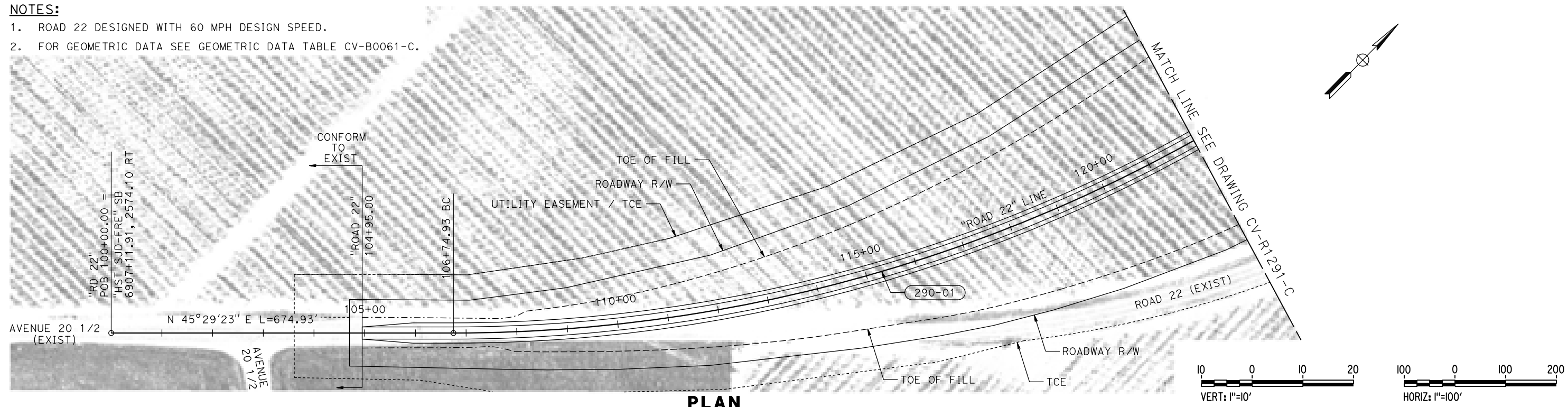
CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1270-C
 SCALE
AS SHOWN
 SHEET NO.

18-MAR-2016 10:33:46 MF-CV-R1270-C.dgn

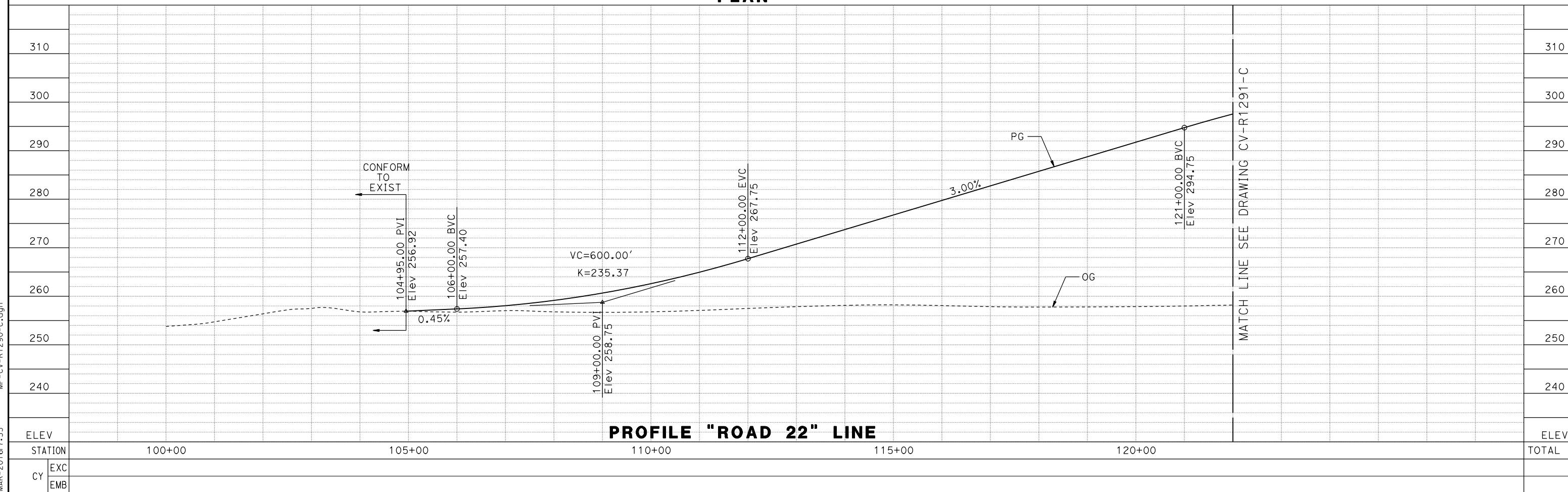
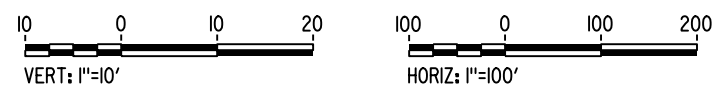
MADERA COUNTY

NOTES:

- ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.



PLAN



PROFILE "ROAD 22" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 22 GRADE SEPARATION

CONTRACT NO.
03/18/2016

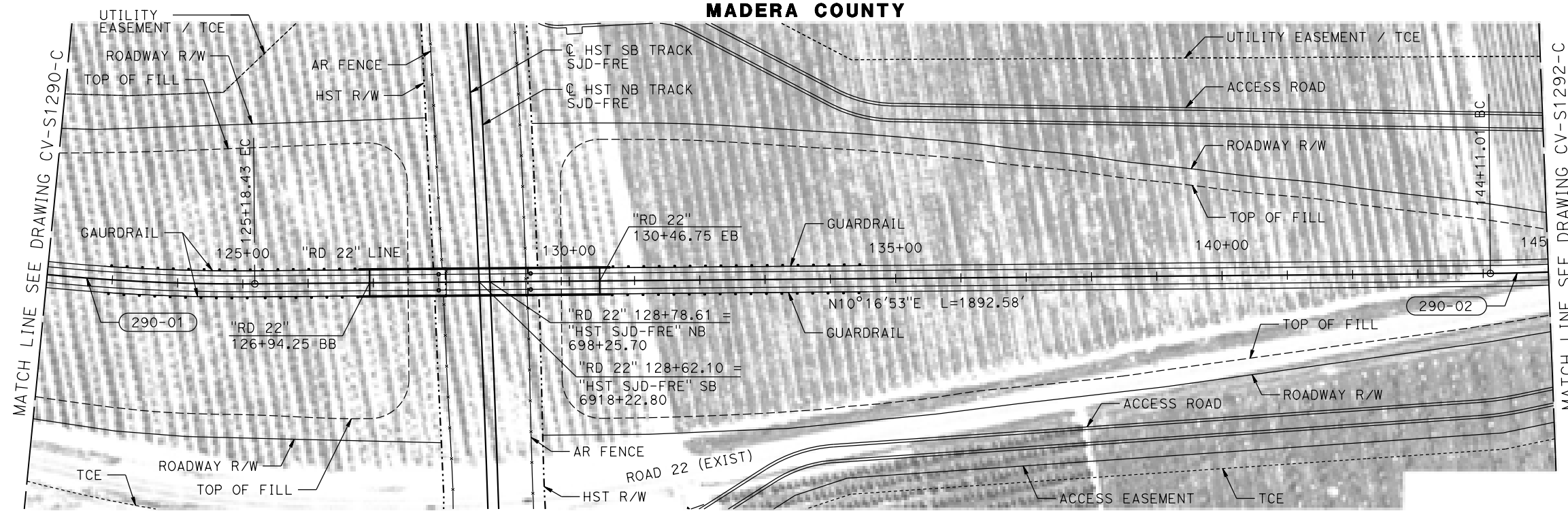
DRAWING NO.
CV-R1290-C

SCALE
AS SHOWN

SHEET NO.

17-MAR-2016 7:55 MF-CV-R1290-C.dgn

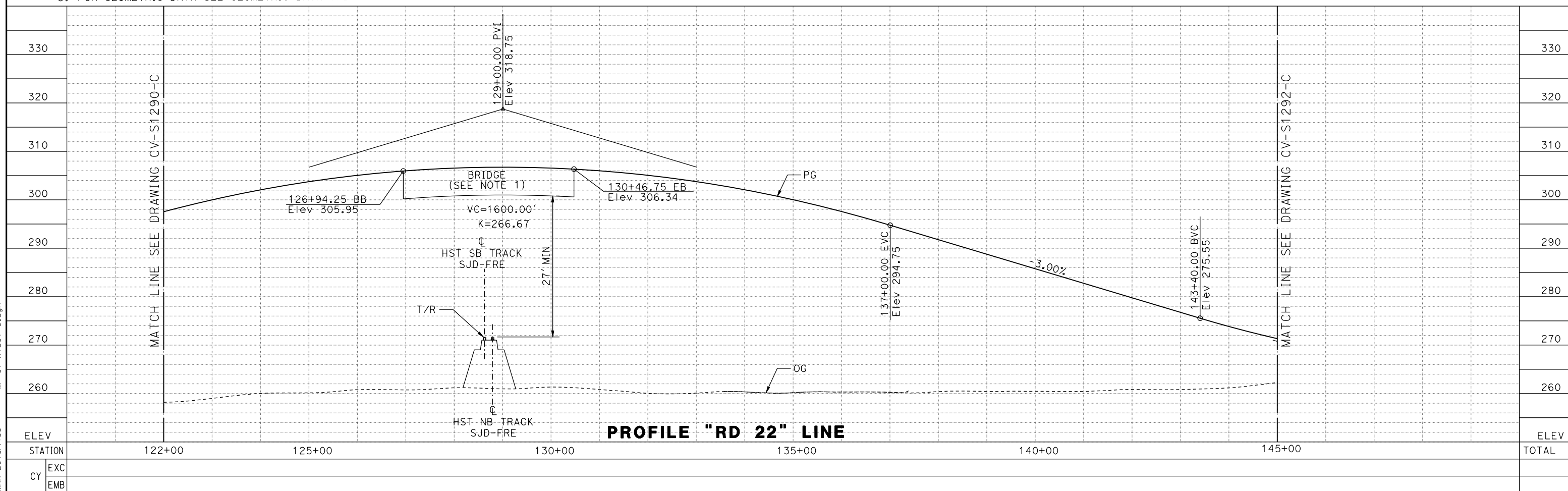
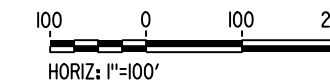
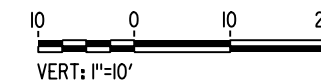
MADERA COUNTY



NOTES:

1. FOR DETAIL OF ROAD 22 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1290-C.
2. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.
3. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.

PLAN



PROFILE "RD 22" LINE

17-MAR-2016 7:55 MF-CV-R1291-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

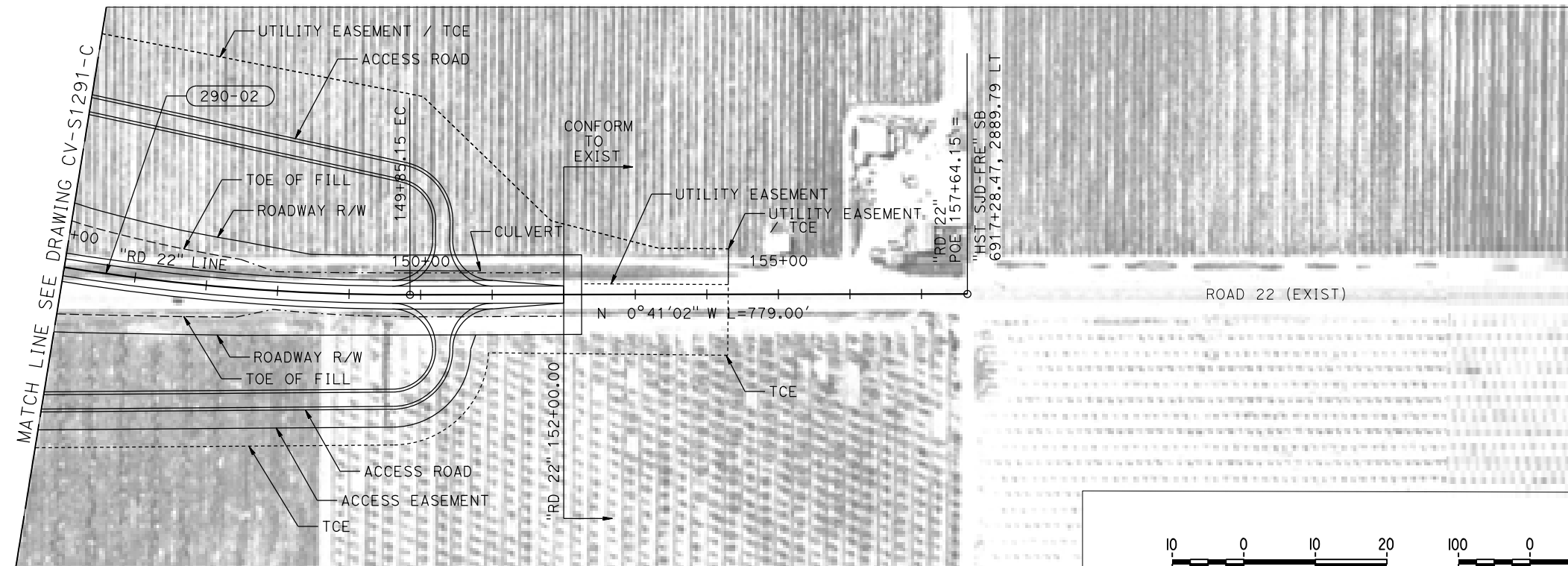
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 22 GRADE SEPARATION

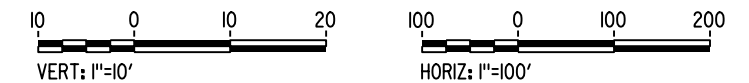
CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1291-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

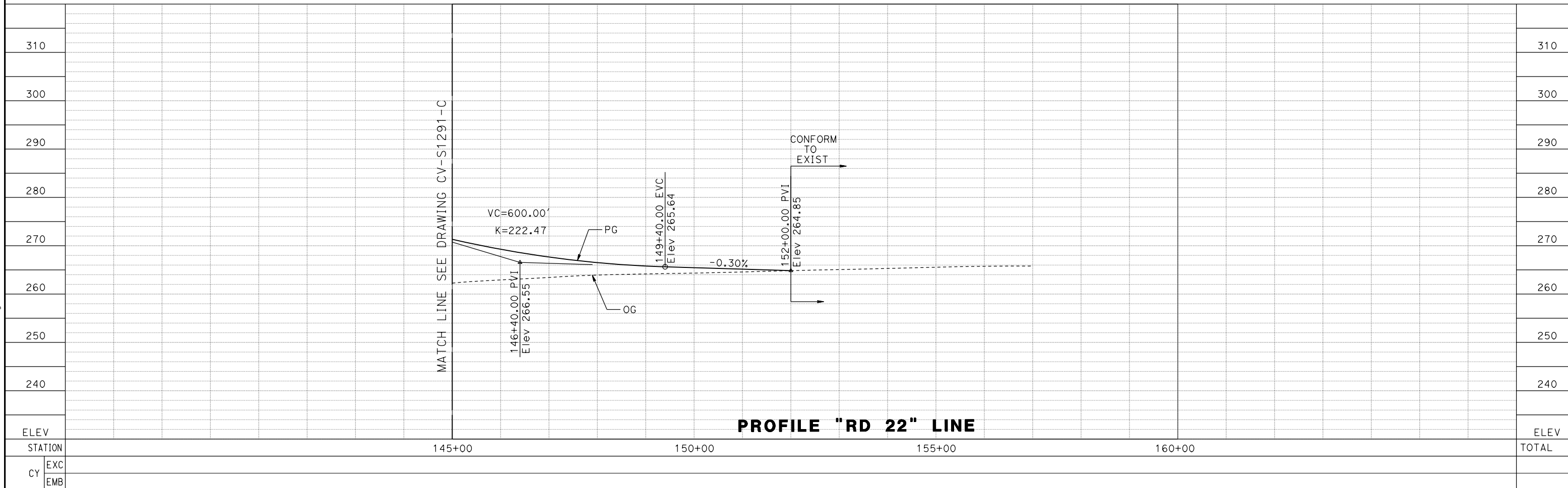


NOTES:

- ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.



PLAN



PROFILE "RD 22" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

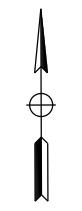
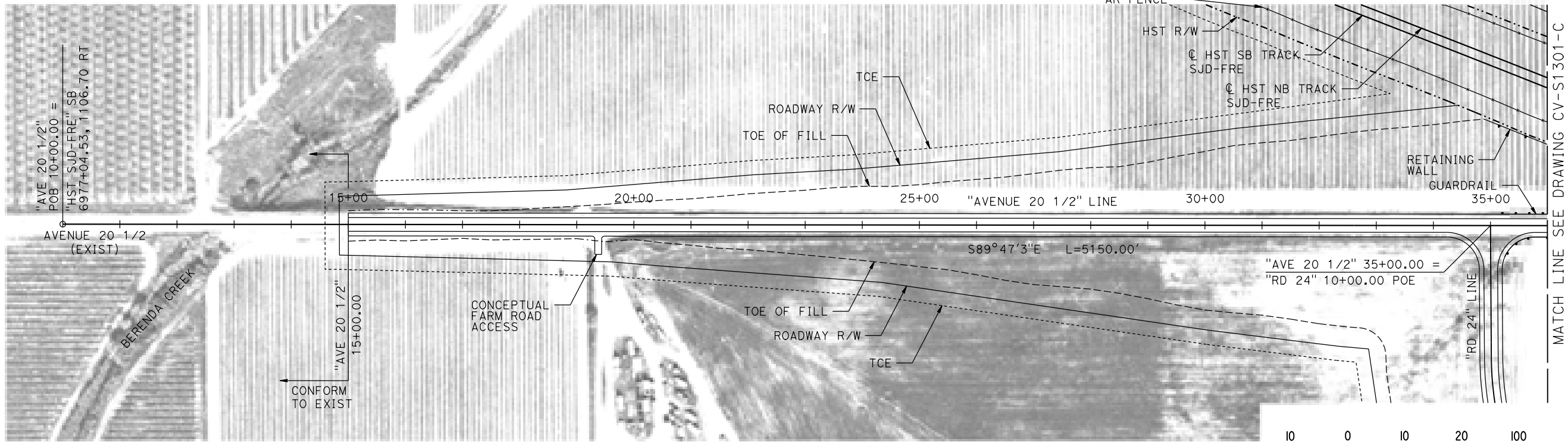


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 22 GRADE SEPARATION

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1292-C
SCALE
AS SHOWN
SHEET NO.

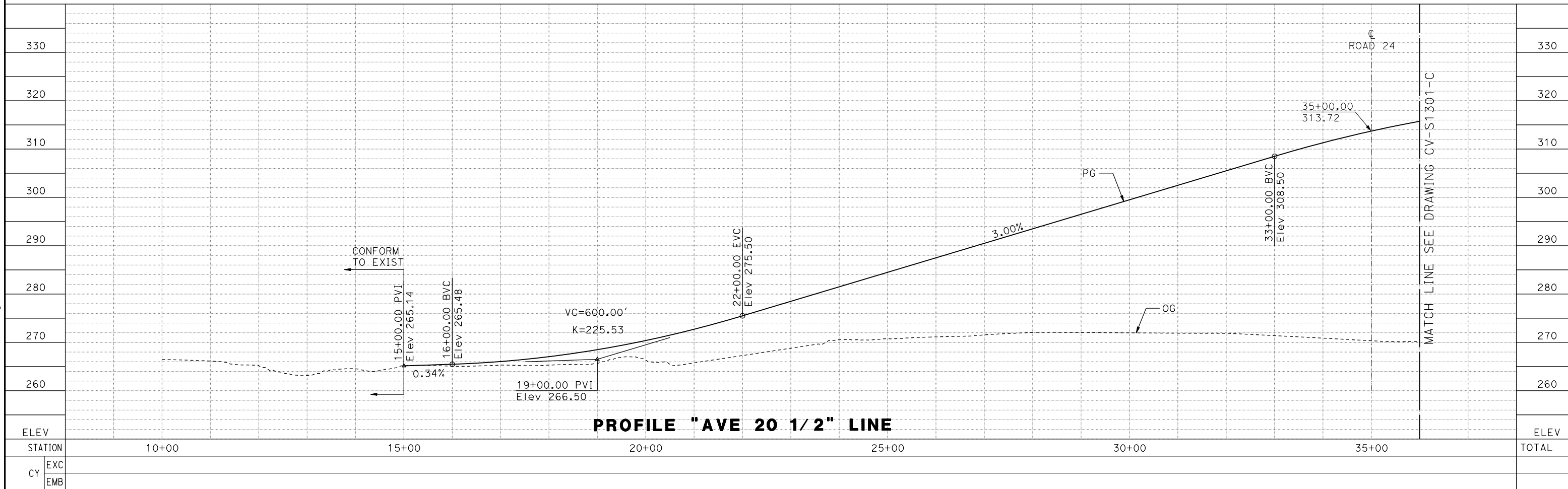
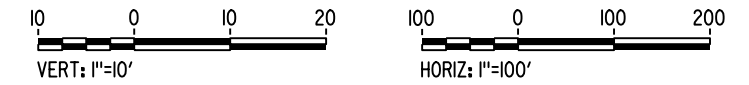
17-MAR-2016 7:56 MF-CV-R1292-C.dgn

MADERA COUNTY



- NOTES:**
 1. AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "AVE 20 1/2" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

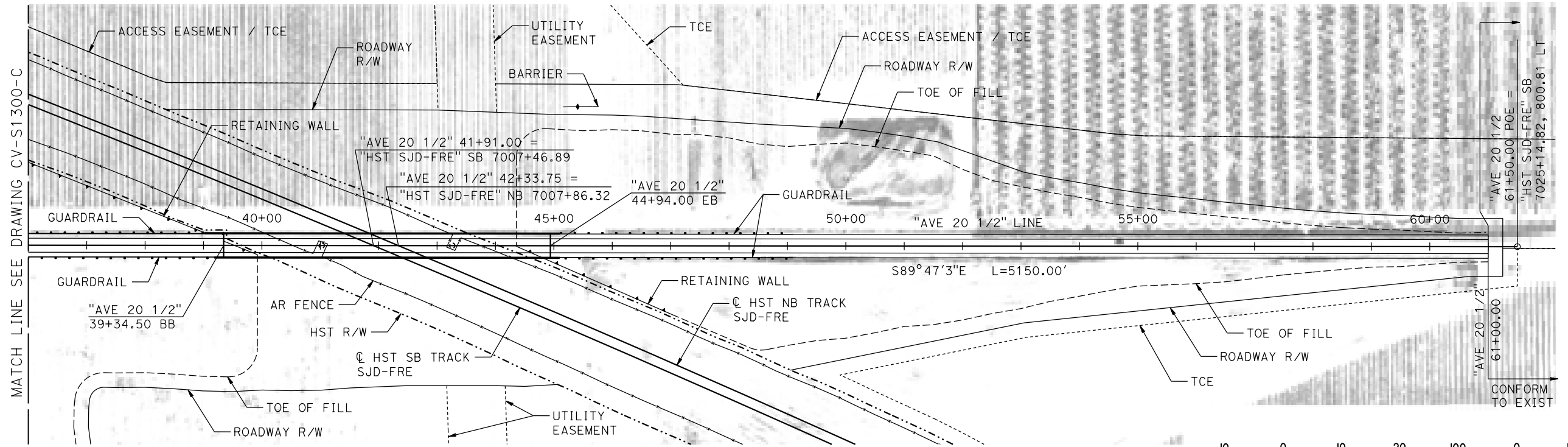


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 AVENUE 20 1/2 GRADE SEPARATION

CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1300-C
 SCALE
AS SHOWN
 SHEET NO.

17-MAR-2016 7:56 MF-CV-R1300-C.dgn

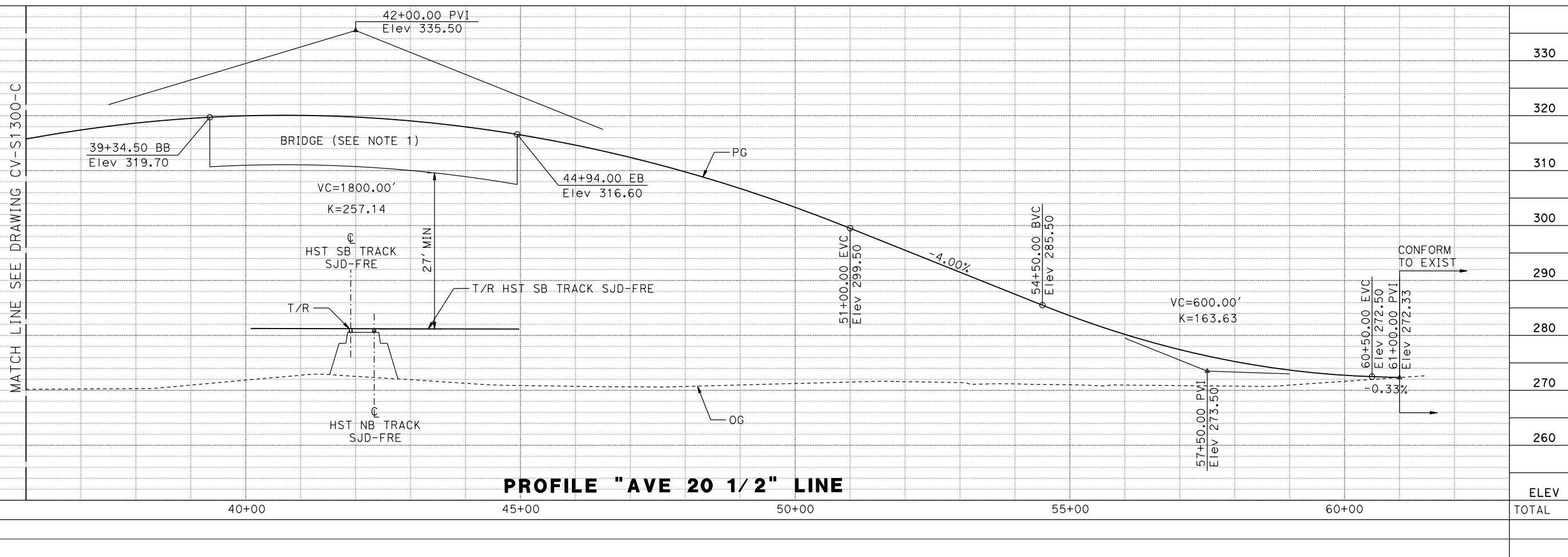
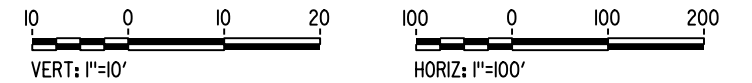
MADERA COUNTY



NOTES:

- FOR DETAIL OF AVENUE 20 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1300-C.
- AVENUE 20 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "AVE 20 1/2" LINE

17-MAR-2016 17:56 MF-CV-R1301-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 AVENUE 20 1/2 GRADE SEPARATION

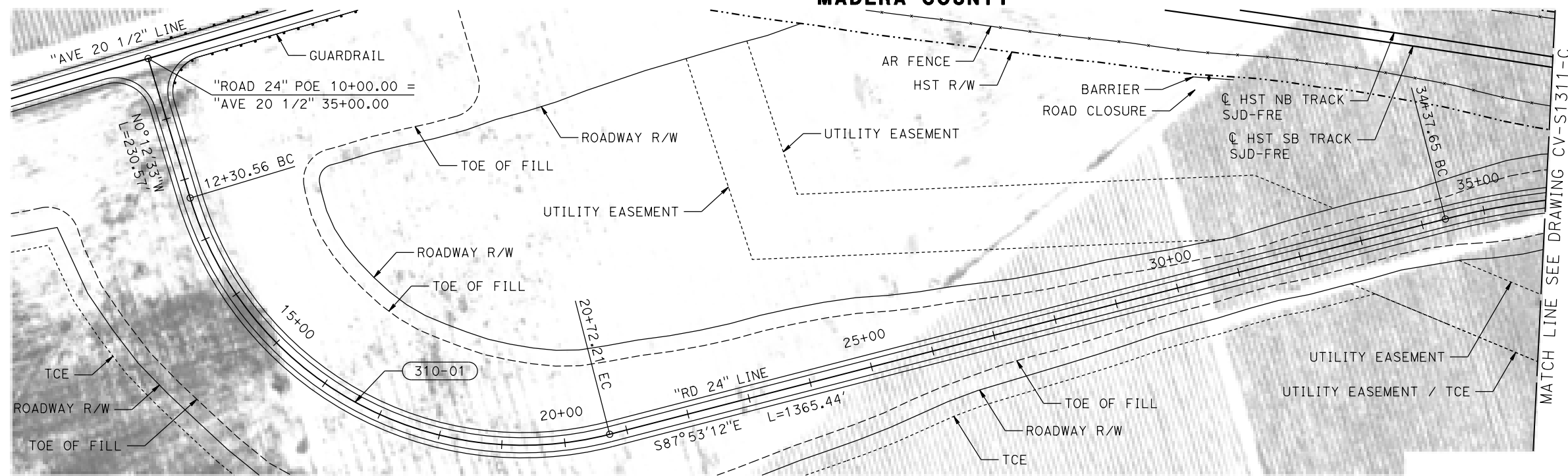
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1301-C

SCALE
AS SHOWN

SHEET NO.

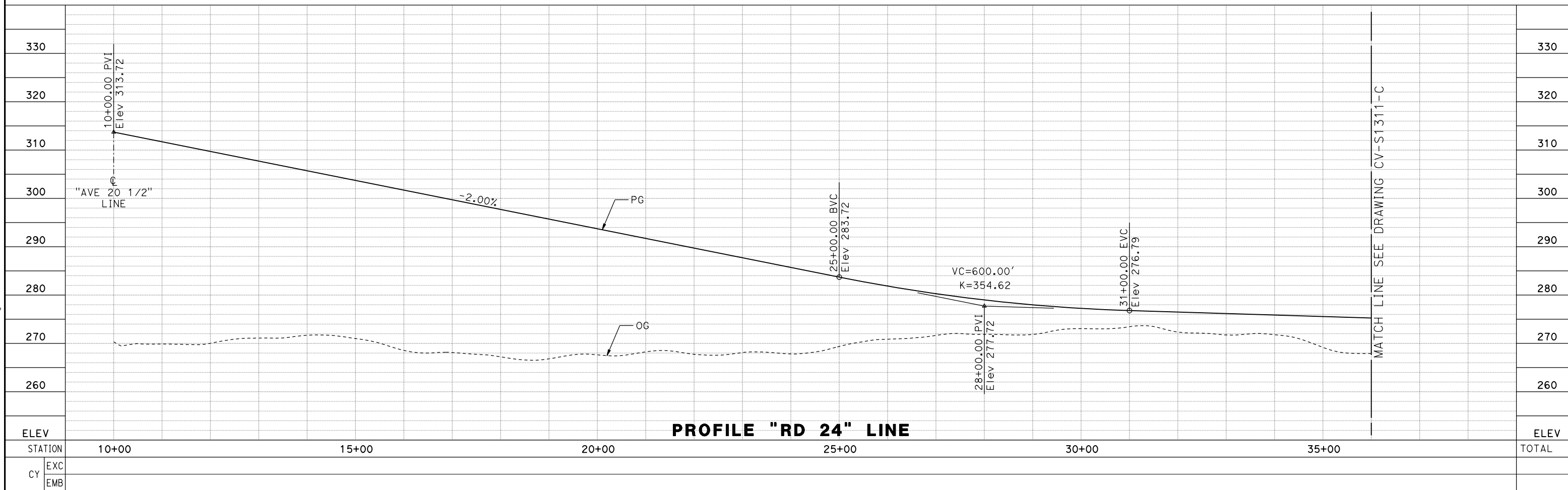
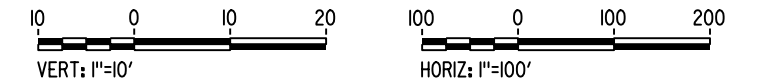
MADERA COUNTY



NOTES:

- ROAD 24 DESIGNED WITH 35 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.

PLAN



PROFILE "RD 24" LINE

17-MAR-2016 7:57 MF-CV-R1310-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

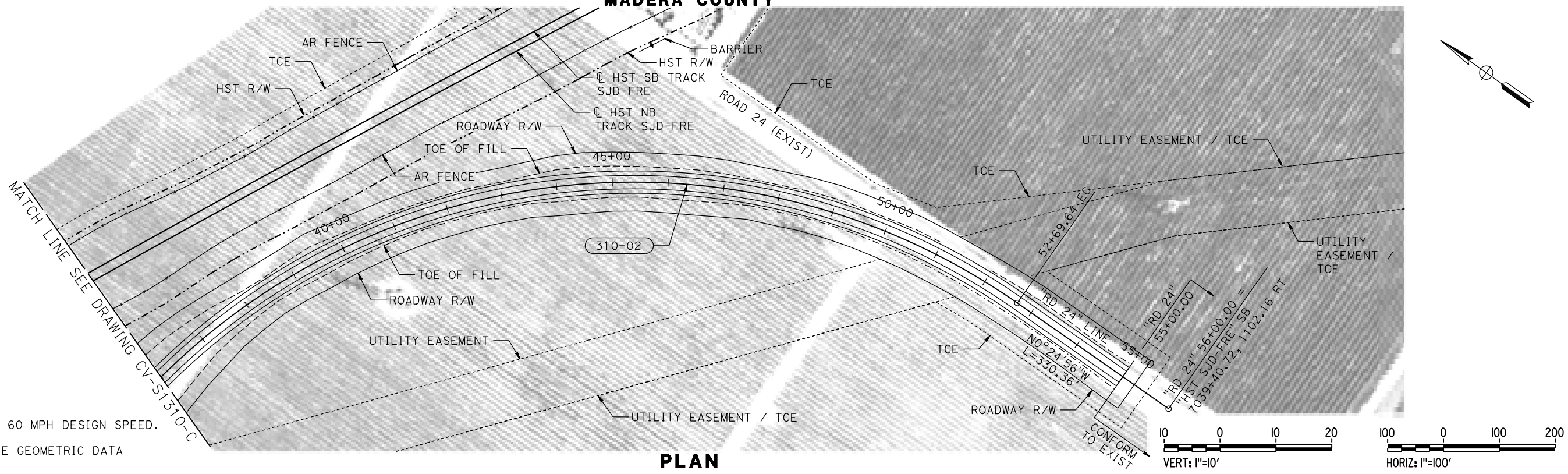
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

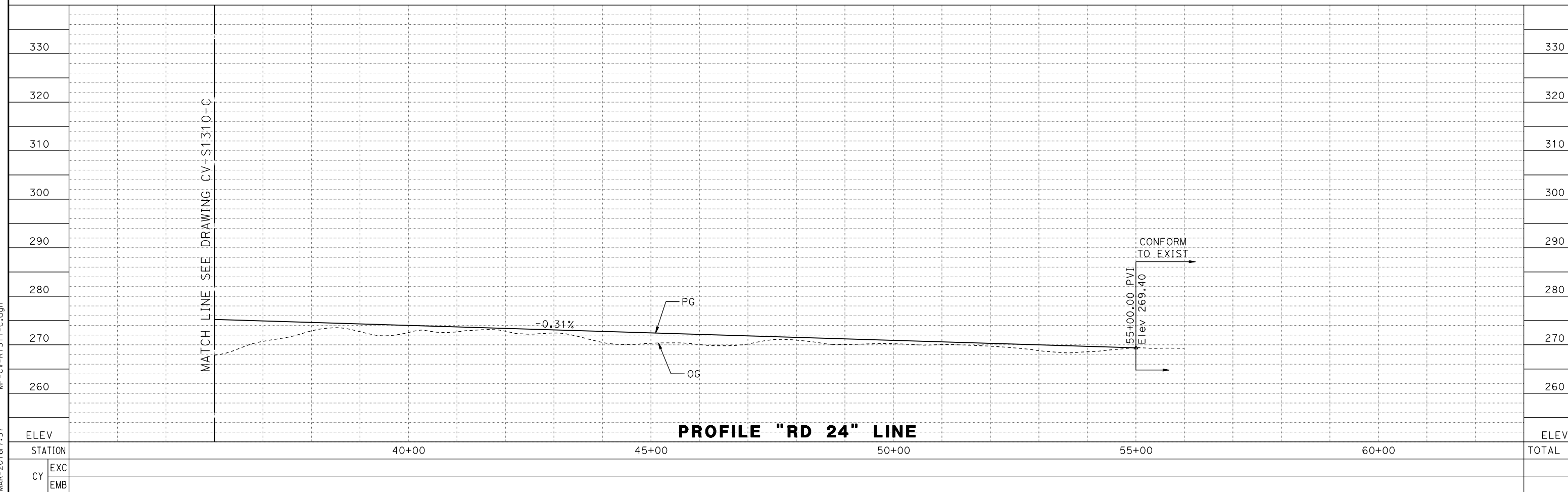
CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1310-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



- NOTES:**
- ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.
 - FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0061-C.

PLAN



PROFILE "RD 24" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

CONTRACT NO.
03/18/2016

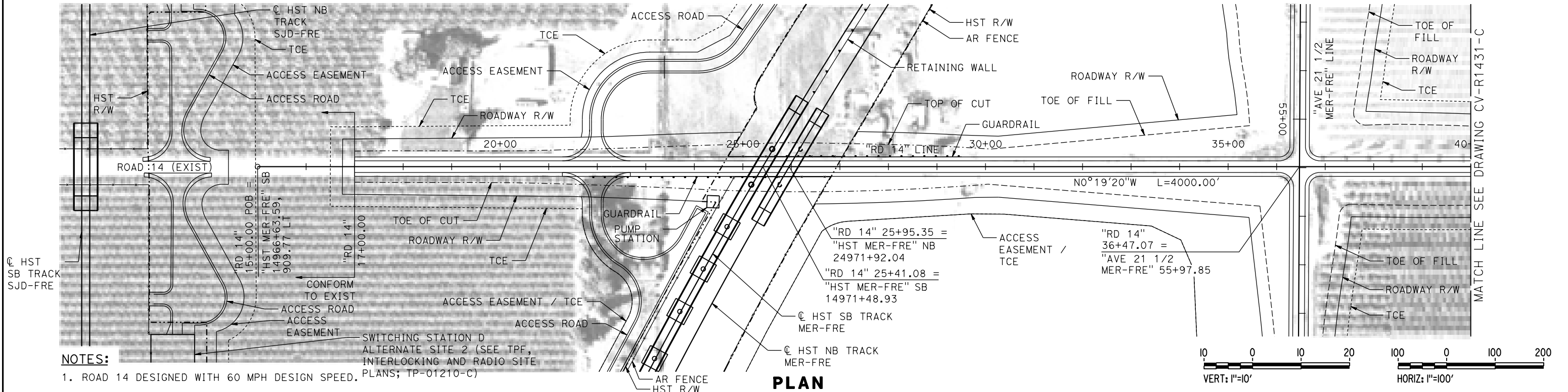
DRAWING NO.
CV-R1311-C

SCALE
AS SHOWN

SHEET NO.

17-MAR-2016 7:57 MF-CV-R1311-C.dgn

MADERA COUNTY

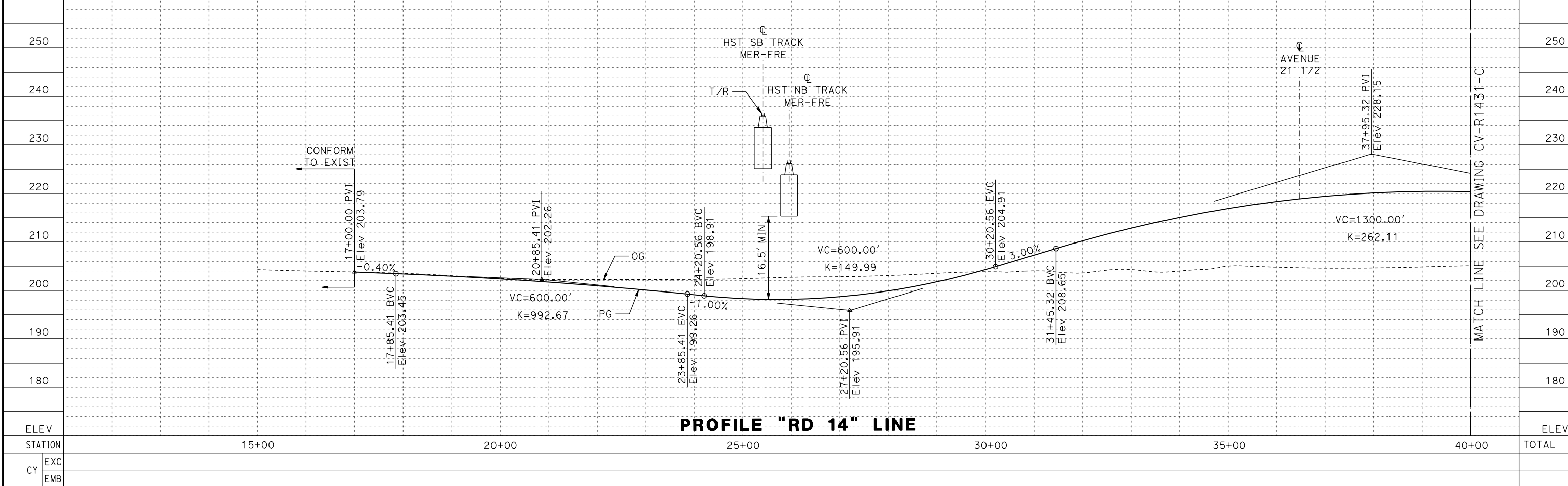
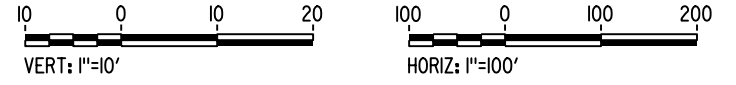


NOTES:

1. ROAD 14 DESIGNED WITH 60 MPH DESIGN SPEED.

SWITCHING STATION D
ALTERNATE SITE 2 (SEE TPF,
INTERLOCKING AND RADIO SITE
PLANS; TP-01210-C)

PLAN



PROFILE "RD 14" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

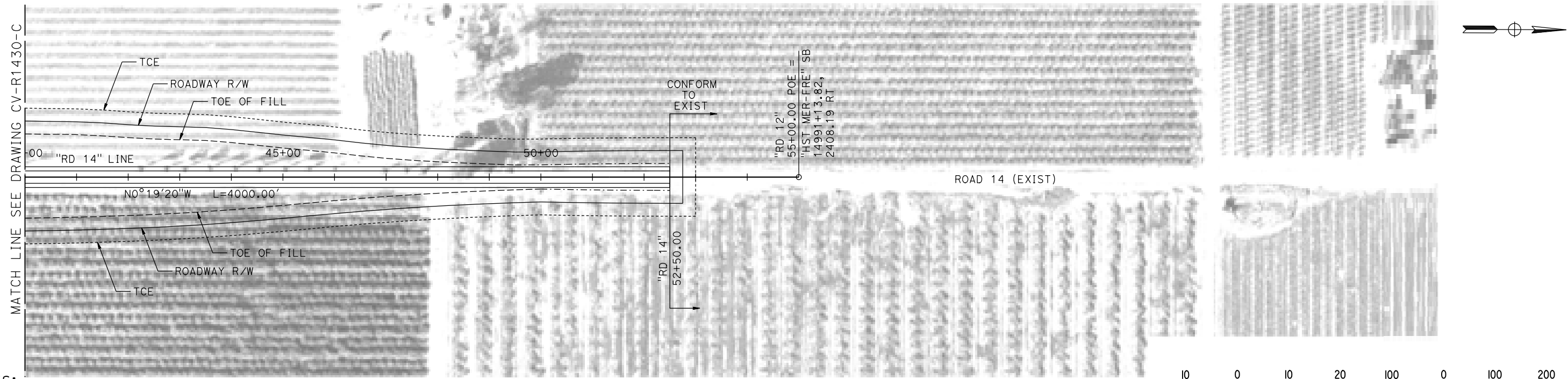


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 14 GRADE SEPARATION

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1430-C
SCALE
AS SHOWN
SHEET NO.

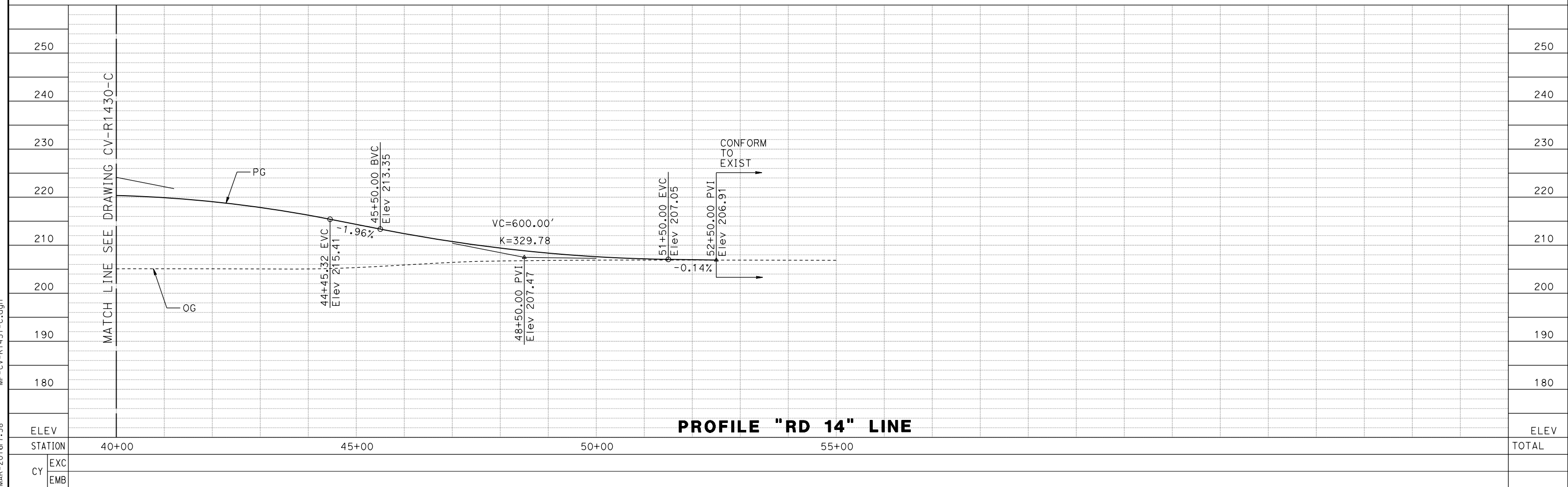
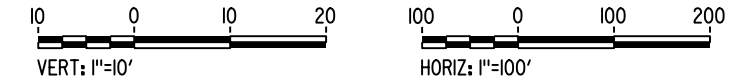
17-MAR-2016 7:58 MF-CV-R1430-C.dgn

MADERA COUNTY



- NOTES:**
 1. ROAD 14 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 14" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

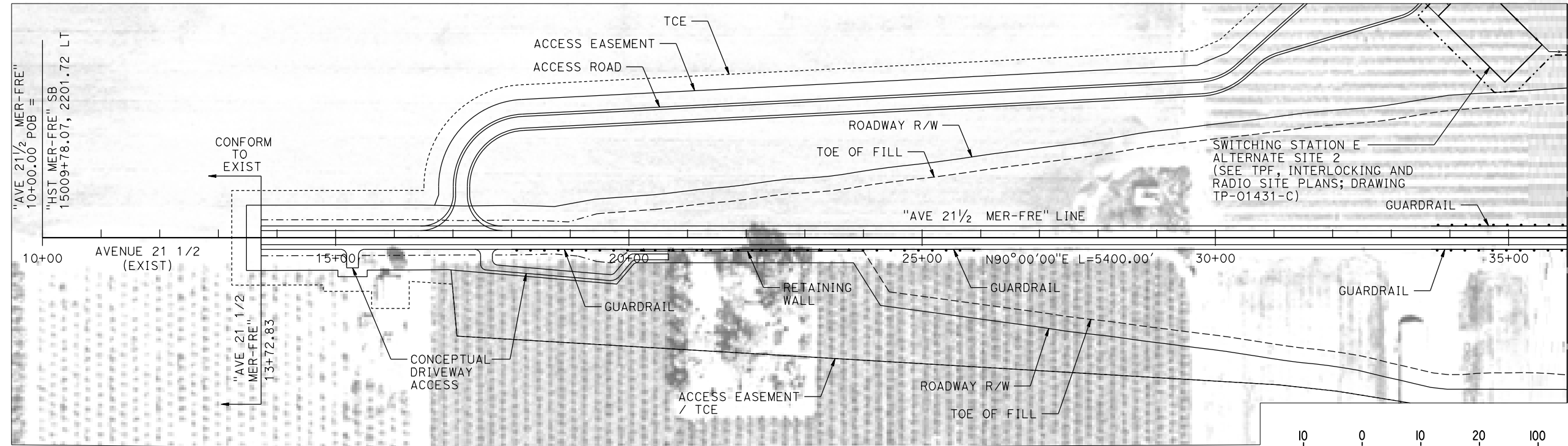


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 ROAD 14 GRADE SEPARATION

CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1431-C
 SCALE
AS SHOWN
 SHEET NO.

17-MAR-2016 7:58 MF-CV-R1431-C.dgn

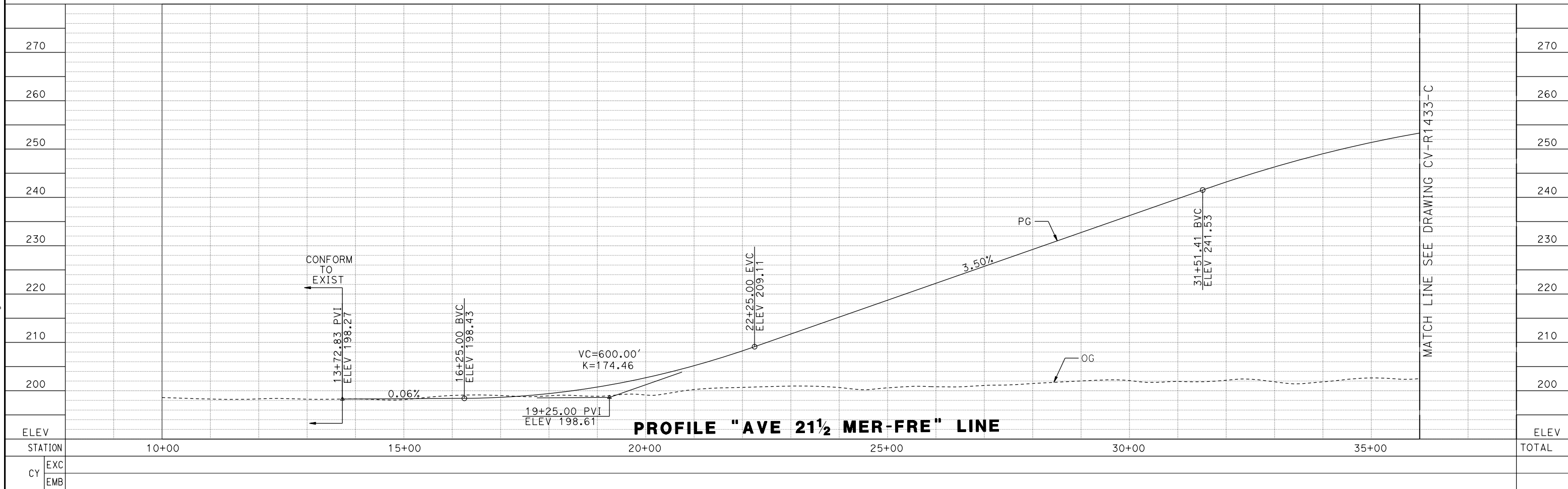
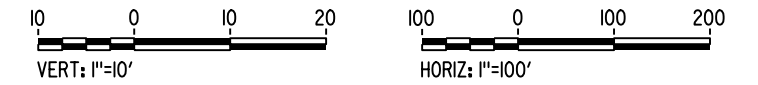
MADERA COUNTY



NOTES:

1. AVENUE 21 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "AVE 21 1/2 MER-FRE" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

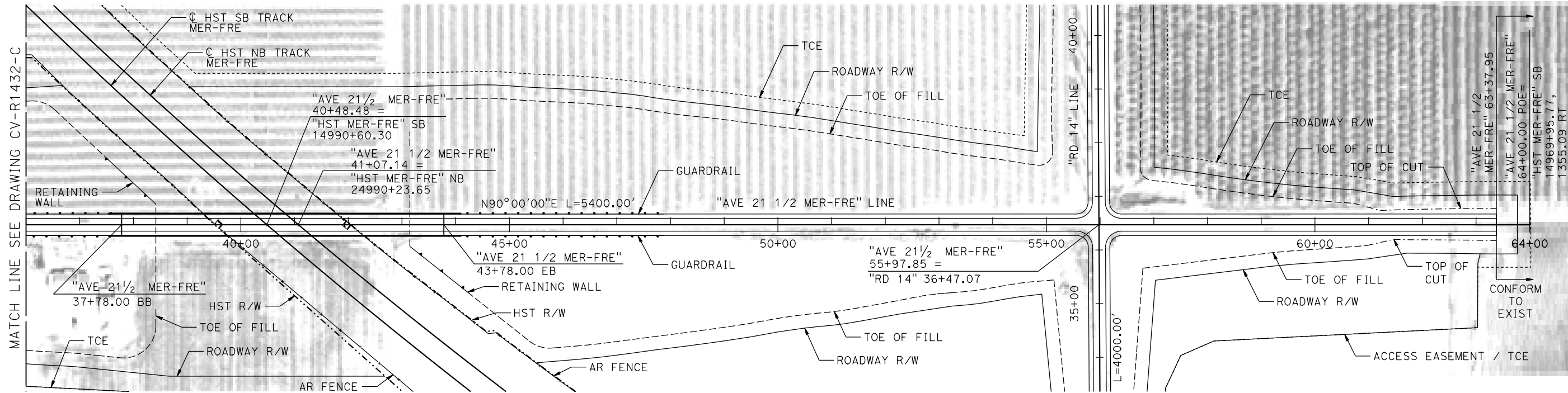


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 1/2 MER-FRE GRADE SEPARATION

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1432-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 7:59 MF-CV-R1432-C.dgn

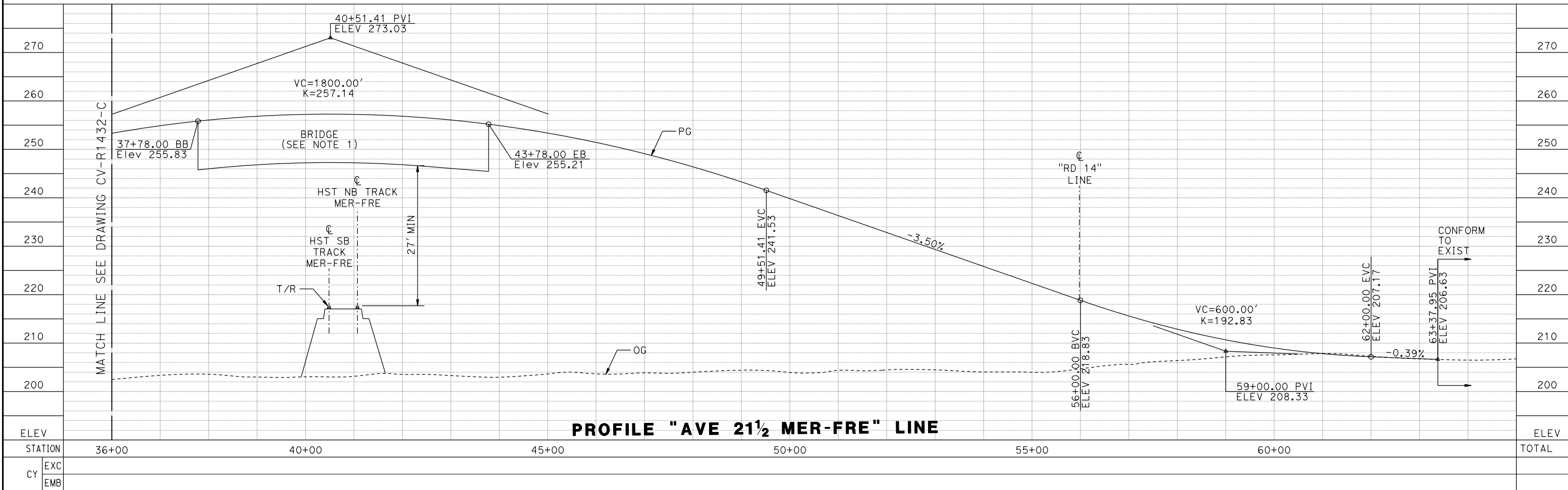
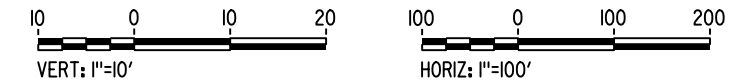
MADERA COUNTY



NOTES:

- FOR DETAIL OF AVENUE 21 1/2 OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1435-C
- AVENUE 21 1/2 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "AVE 21 1/2 MER-FRE" LINE

17-MAR-2016 7:59 MF-CV-R1433-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 1/2 MER-FRE GRADE SEPARATION

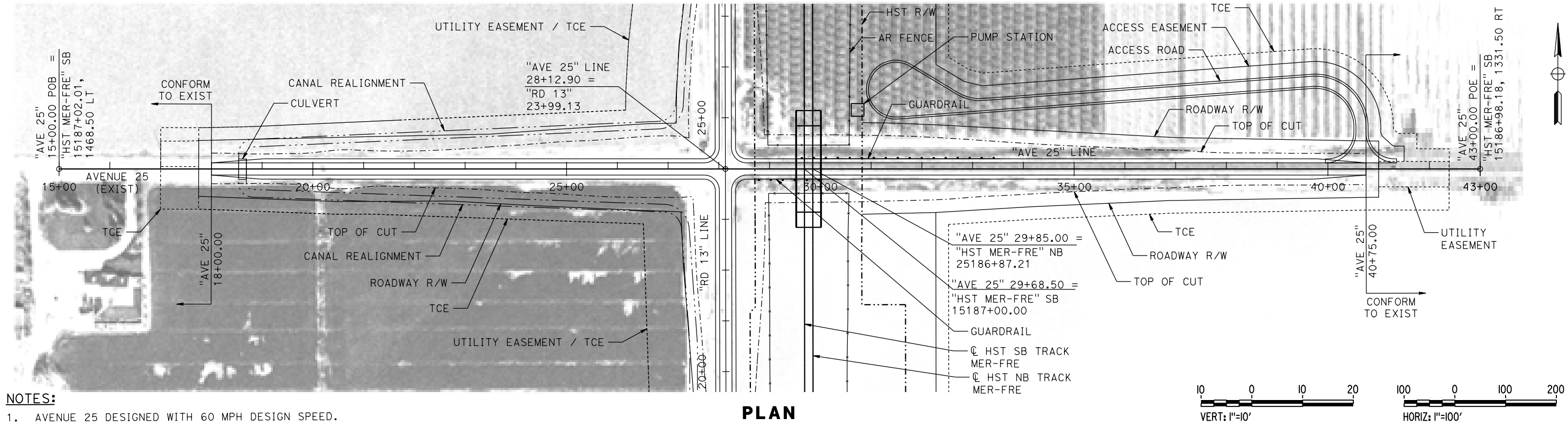
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1433-C

SCALE
AS SHOWN

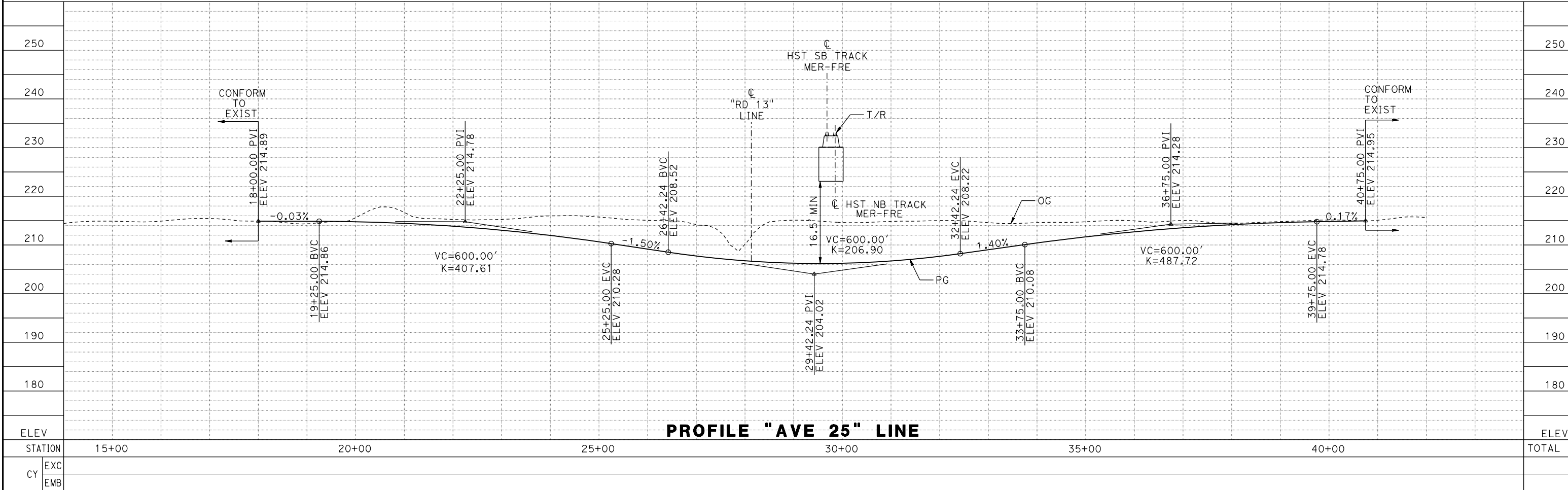
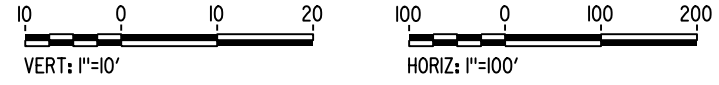
SHEET NO.

MADERA COUNTY



NOTES:
 1. AVENUE 25 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "AVE 25" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

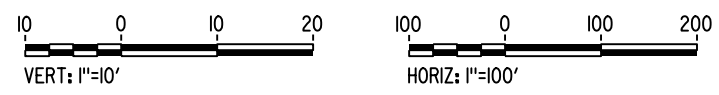
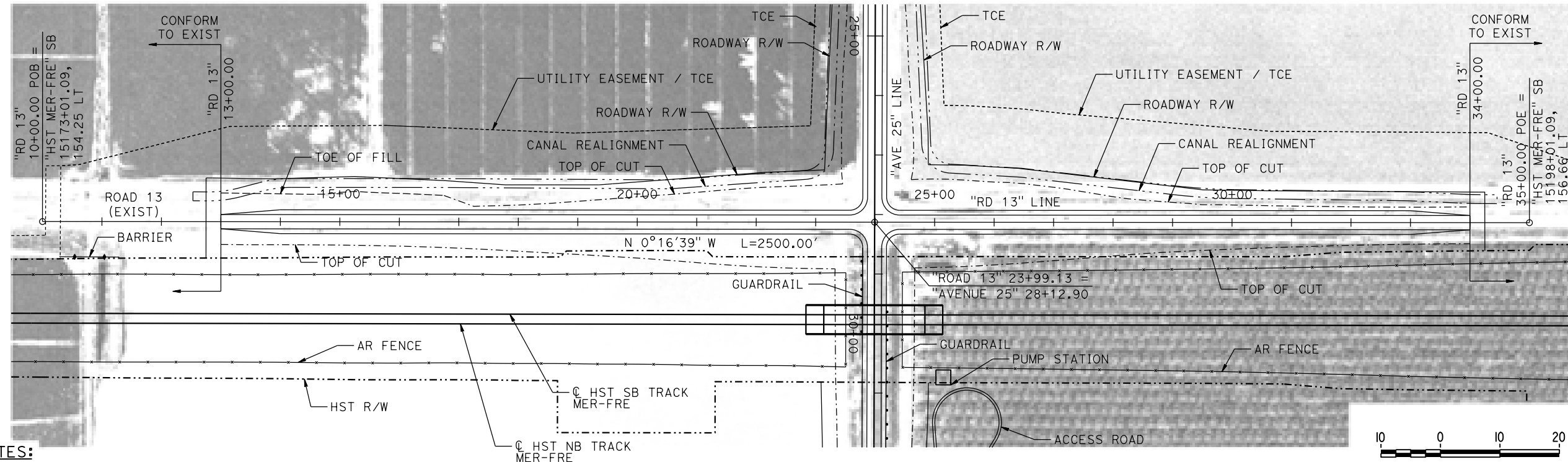
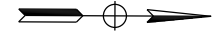


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 PLAN AND PROFILE
 AVENUE 25/ WASHINGTON ROAD UNDERPASS

CONTRACT NO.
03/18/2016
 DRAWING NO.
CV-R1470-C
 SCALE
AS SHOWN
 SHEET NO.

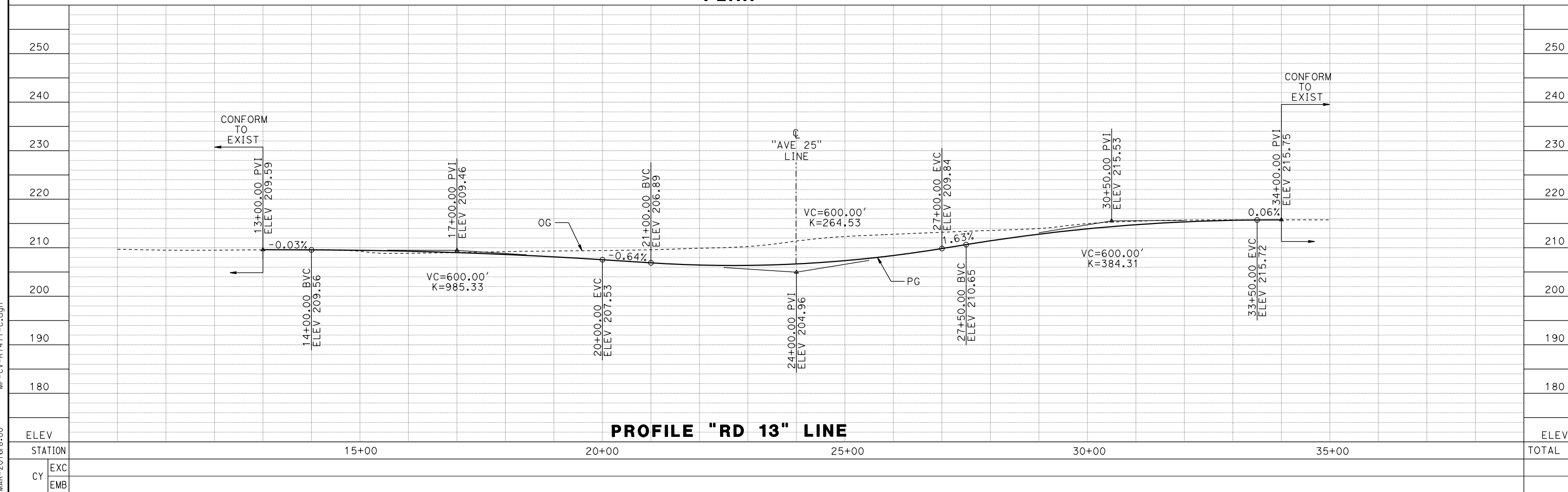
17-MAR-2016 8:00 MF-CV-R1470-C.dgn

MADERA COUNTY



NOTES:
1. ROAD 13 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 13" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

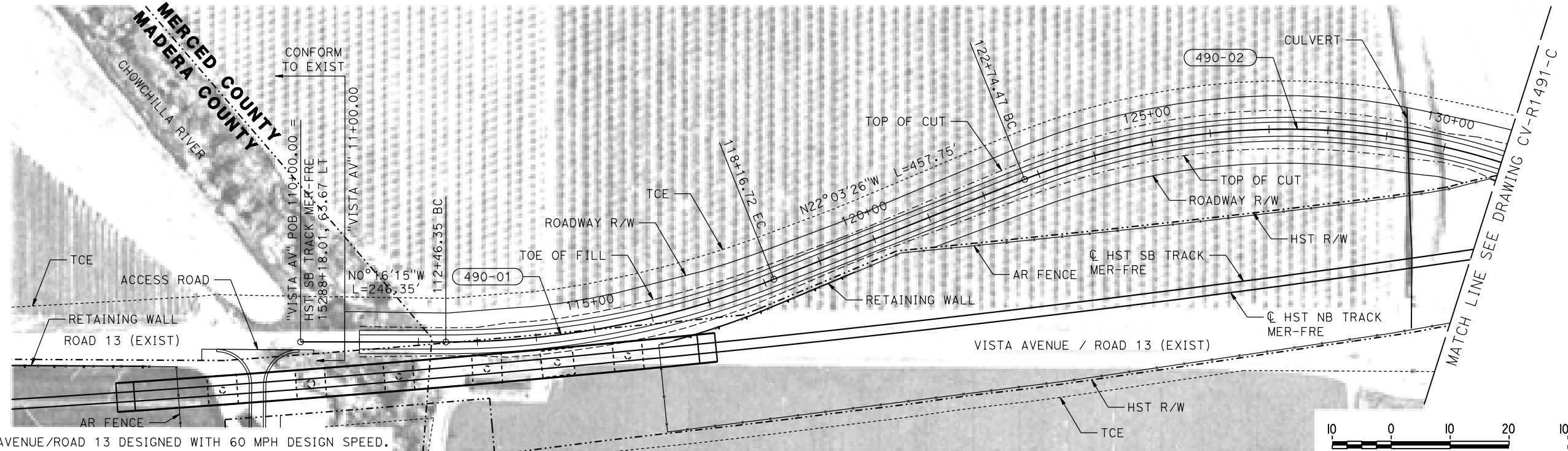


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 13 REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1471-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 8:00 MF-CV-R1471-C.dgn

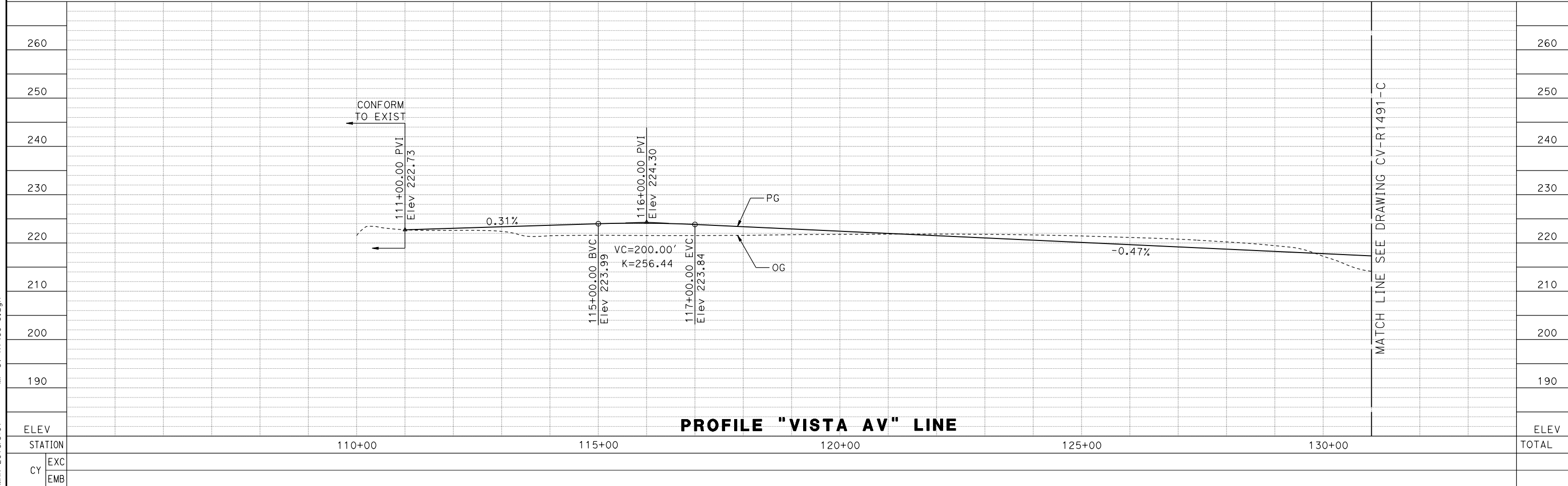
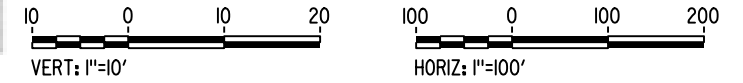
MERCED COUNTY



NOTES:

- VISTA AVENUE/ROAD 13 DESIGNED WITH 60 MPH DESIGN SPEED.
- FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-C.

PLAN



PROFILE "VISTA AV" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

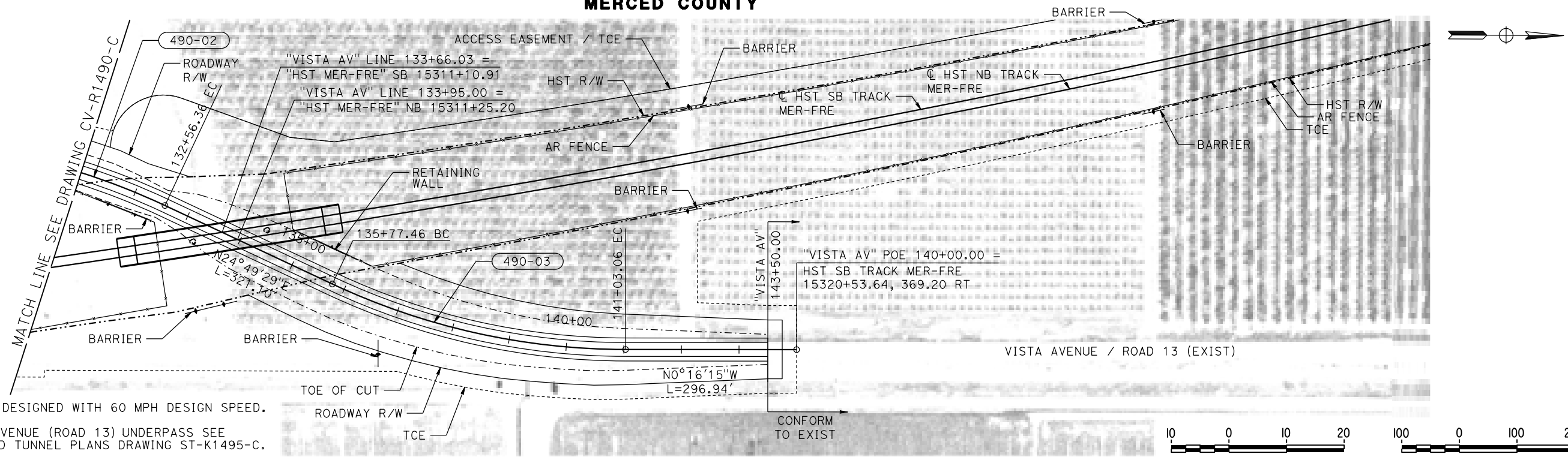


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
VISTA AVENUE/ROAD 13 REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1490-C
SCALE
AS SHOWN
SHEET NO.

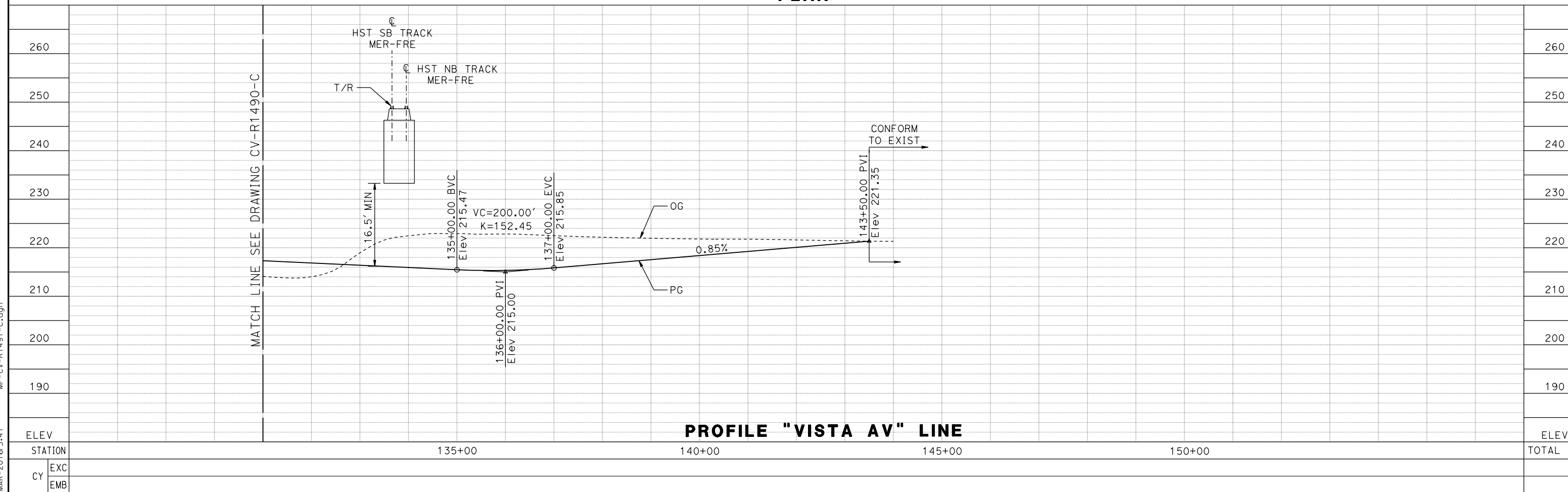
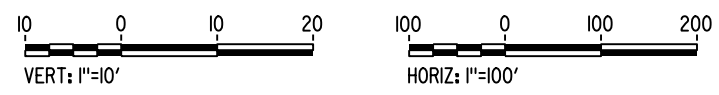
17-MAR-2016 8:01 MF-CV-R1490-C.dgn

MERCED COUNTY



- NOTES:**
- VISTA AVENUE/ROAD 13 DESIGNED WITH 60 MPH DESIGN SPEED.
 - FOR DETAIL OF VISTA AVENUE (ROAD 13) UNDERPASS SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1495-C.
 - FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-C.

PLAN



PROFILE "VISTA AV" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

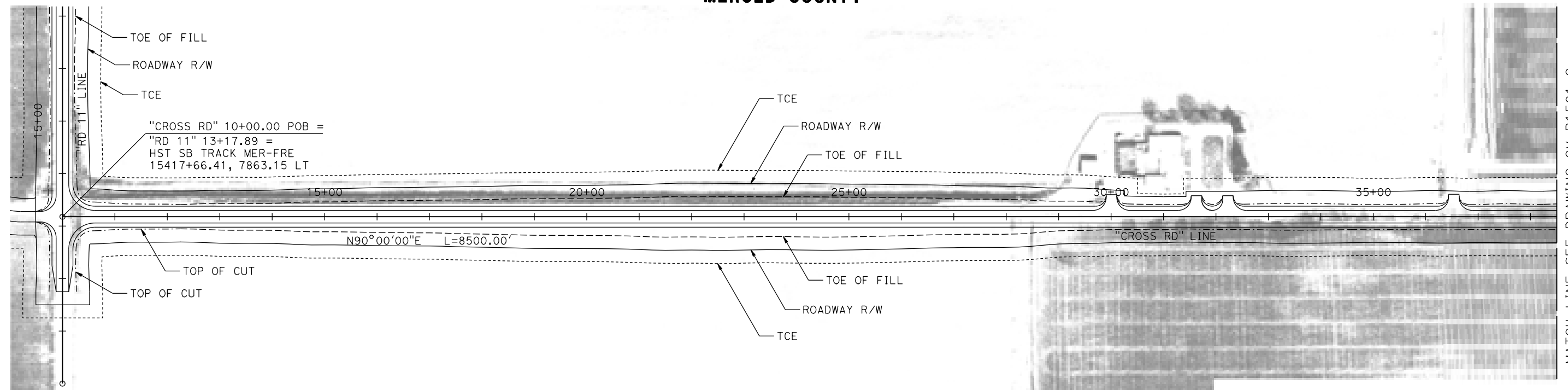


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
VISTA AVENUE/ROAD 13 REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1491-C
SCALE
AS SHOWN
SHEET NO.

18-MAR-2016 10:34:47 MF-CV-R1491-C.dgn

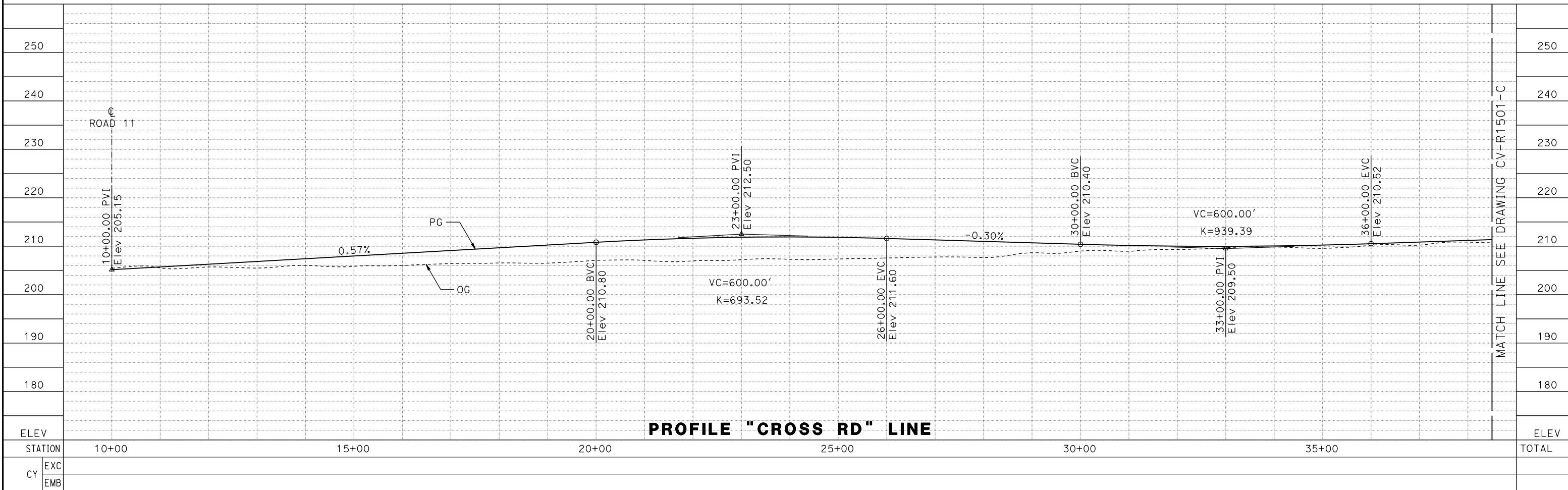
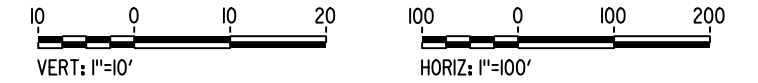
MERCED COUNTY



NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "CROSS RD" LINE

17-MAR-2016 8:01 MF-CV-R1500-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
A. GURA

CHECKED BY
J. RAY

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
CROSS ROAD REALIGNMENT

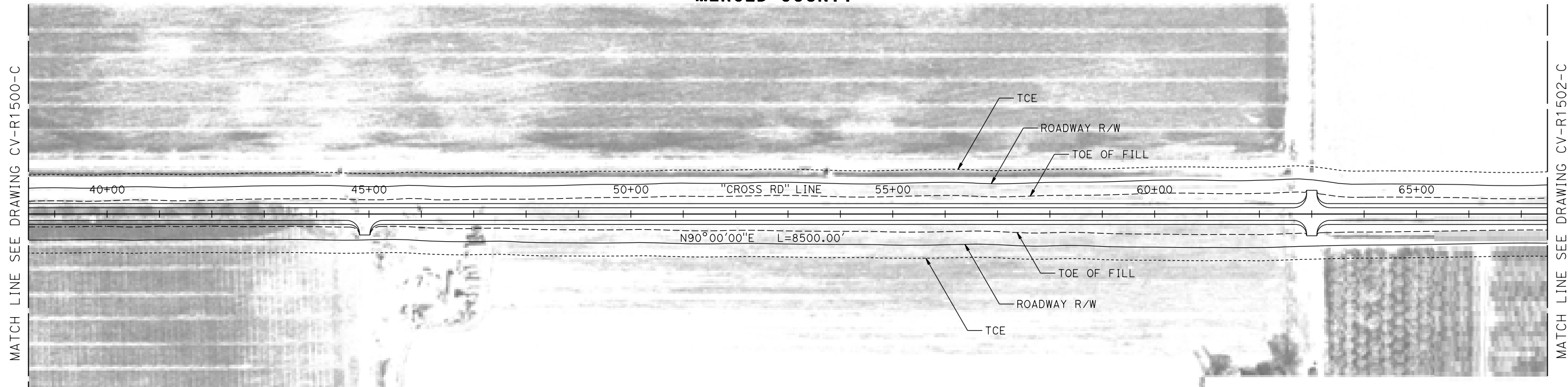
CONTRACT NO.
03/18/2016

DRAWING NO.
CV-R1500-C

SCALE
AS SHOWN

SHEET NO.

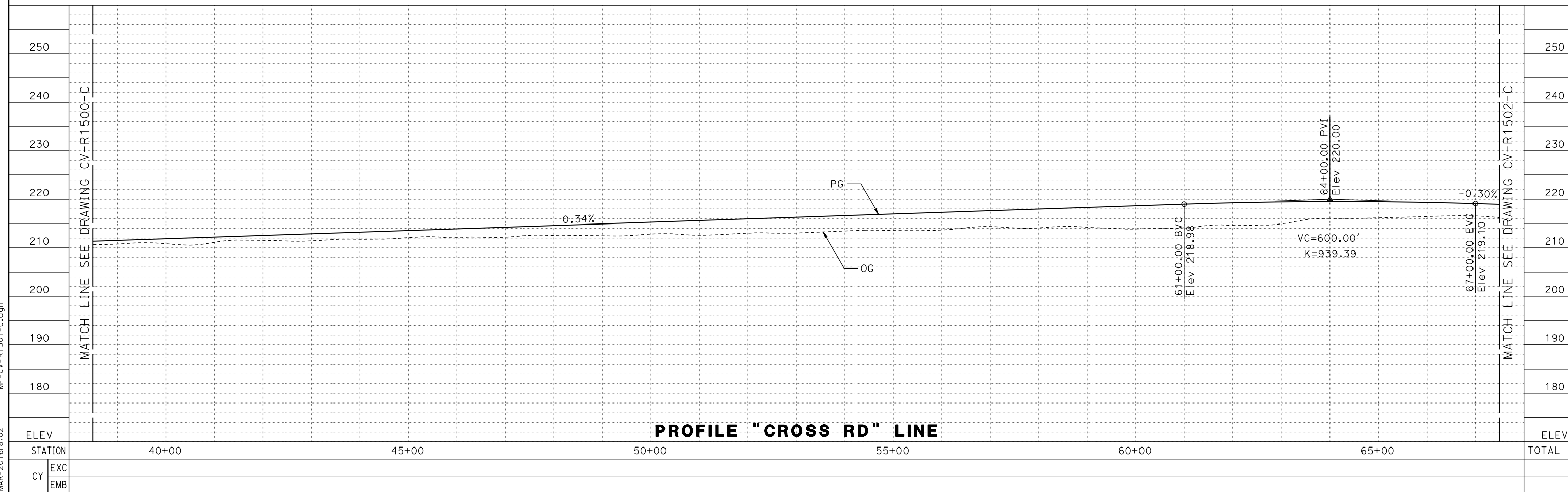
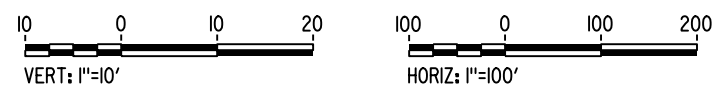
MERCED COUNTY



NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "CROSS RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

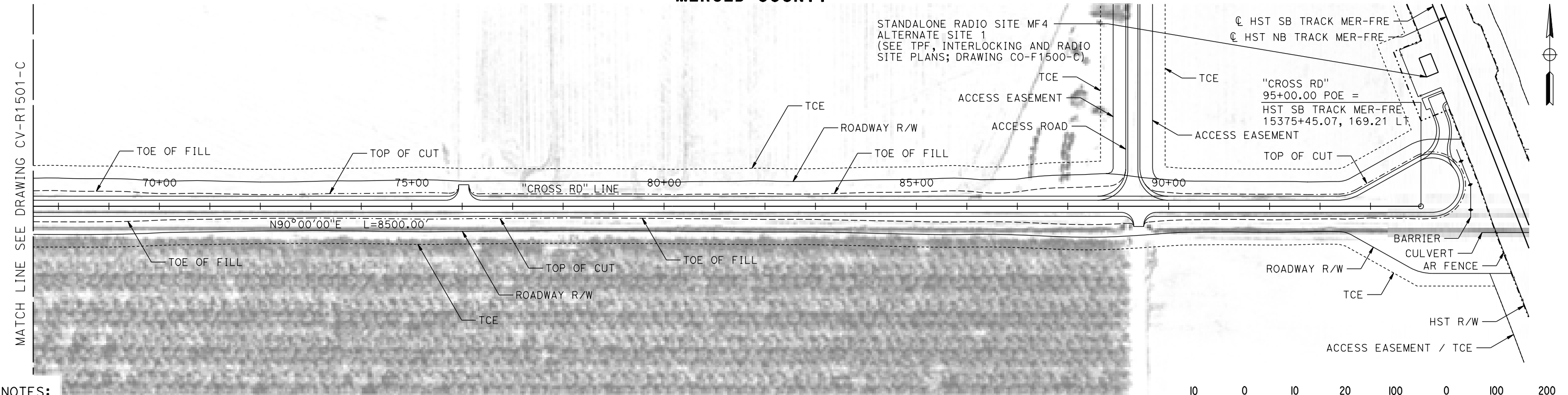


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
CROSS ROAD REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1501-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 8:02 MF-CV-R1501-C.dgn

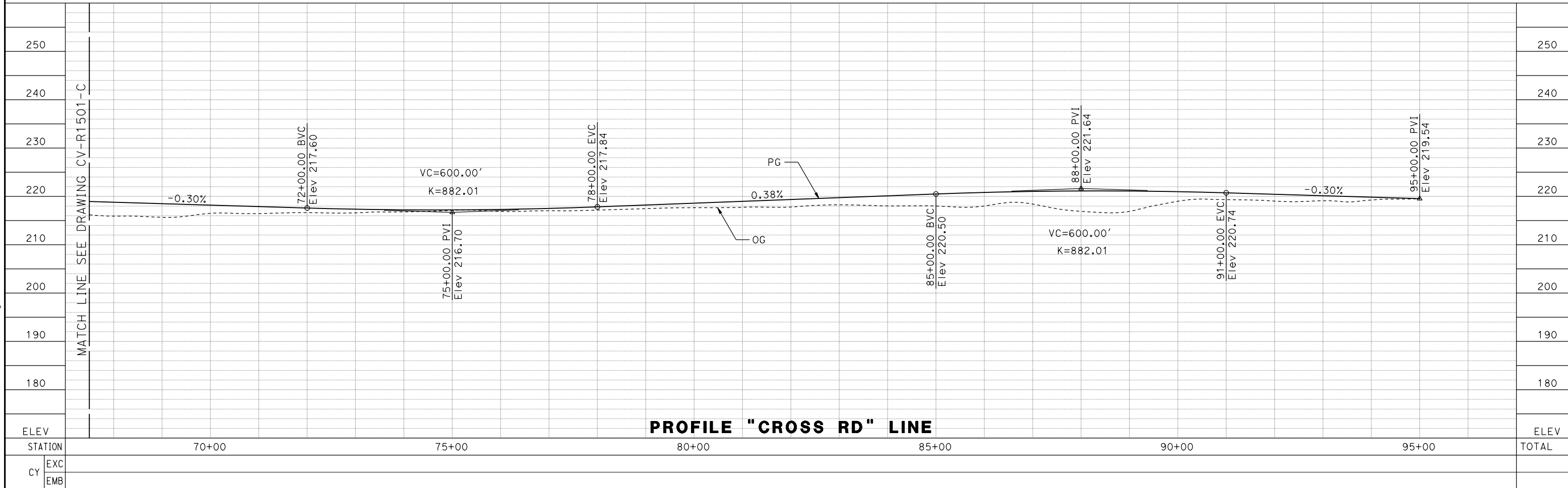
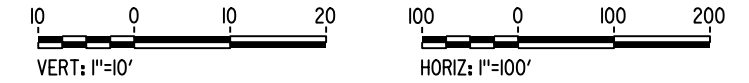
MERCED COUNTY



NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "CROSS RD" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

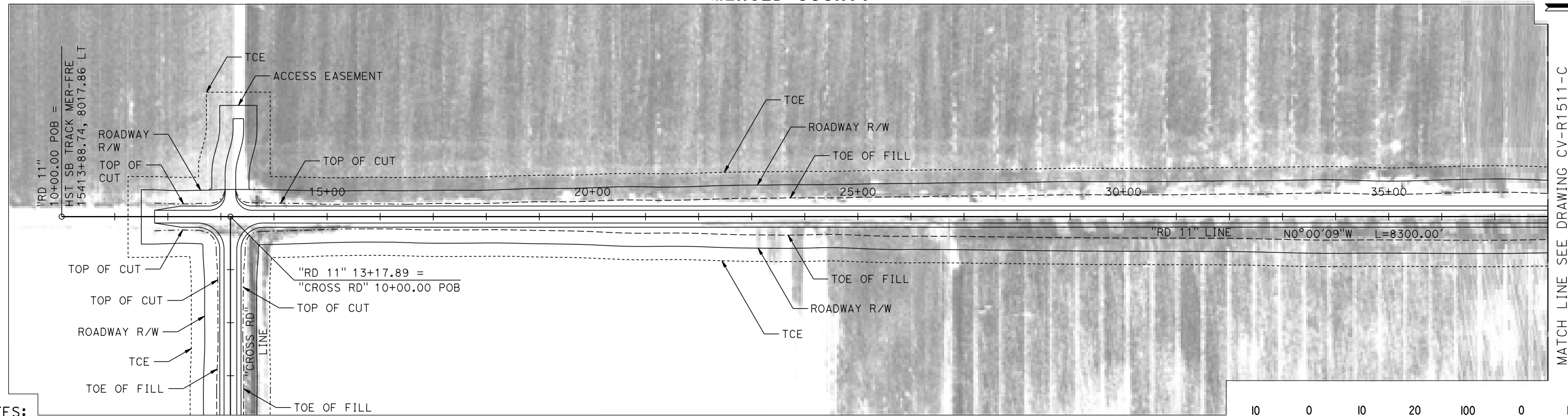


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
CROSS ROAD REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1502-C
SCALE
AS SHOWN
SHEET NO.

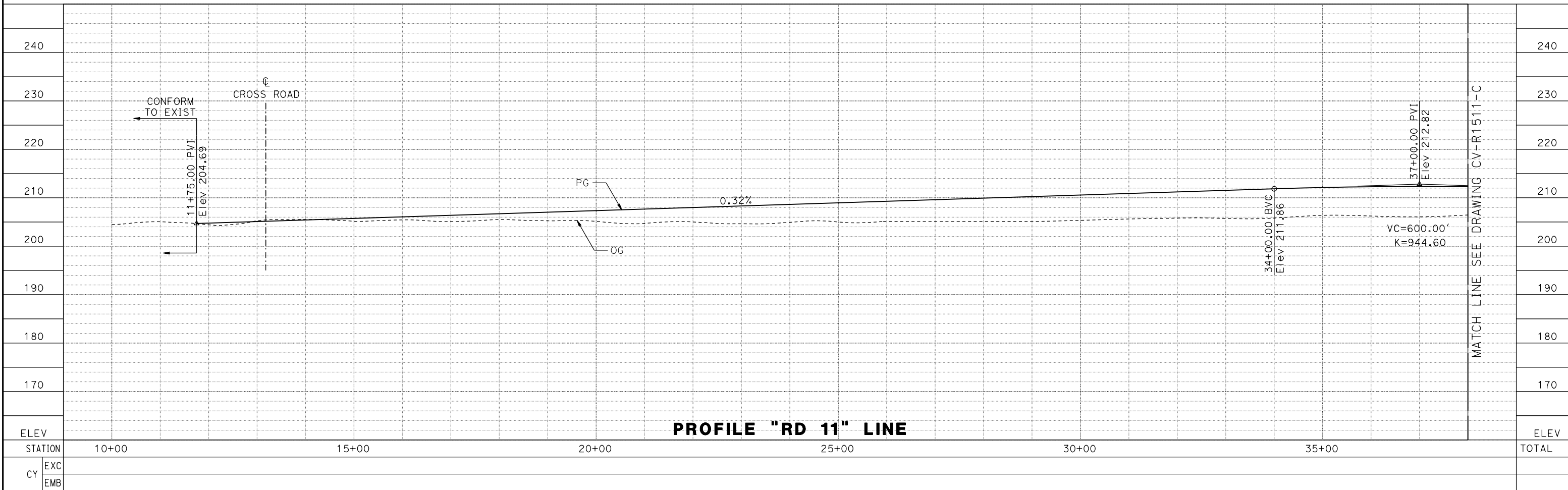
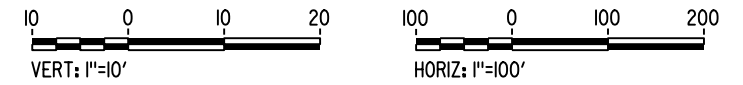
17-MAR-2016 8:02 MF-CV-R1502-C.dgn

MERCED COUNTY



- NOTES:**
- ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 11" LINE

17-MAR-2016 8:02 MF-CV-R1510-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

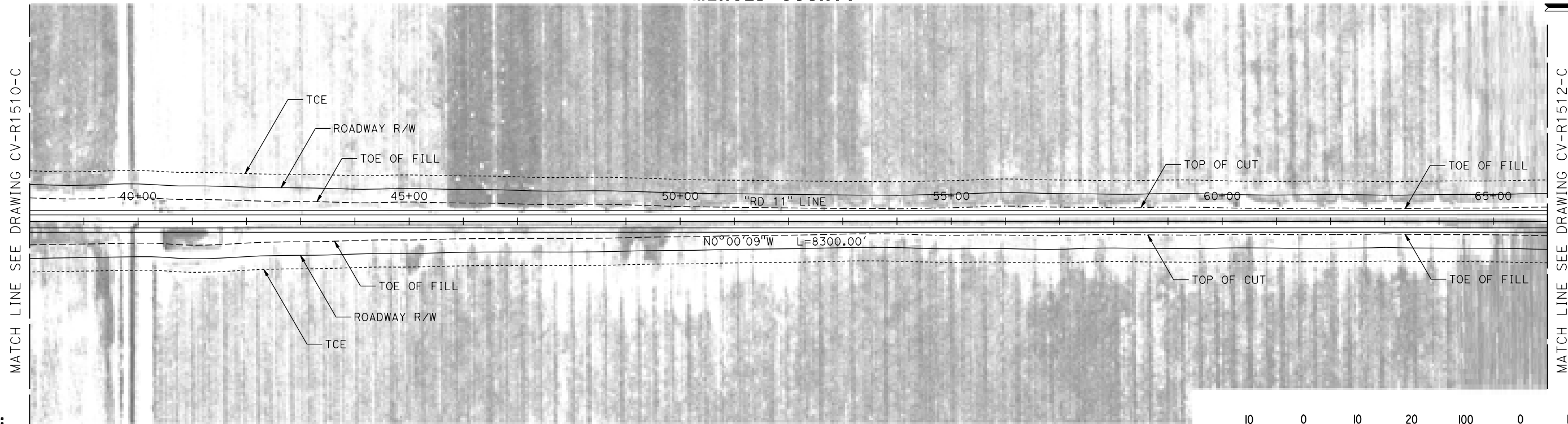
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 11 REALIGNMENT

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1510-C
SCALE
AS SHOWN
SHEET NO.

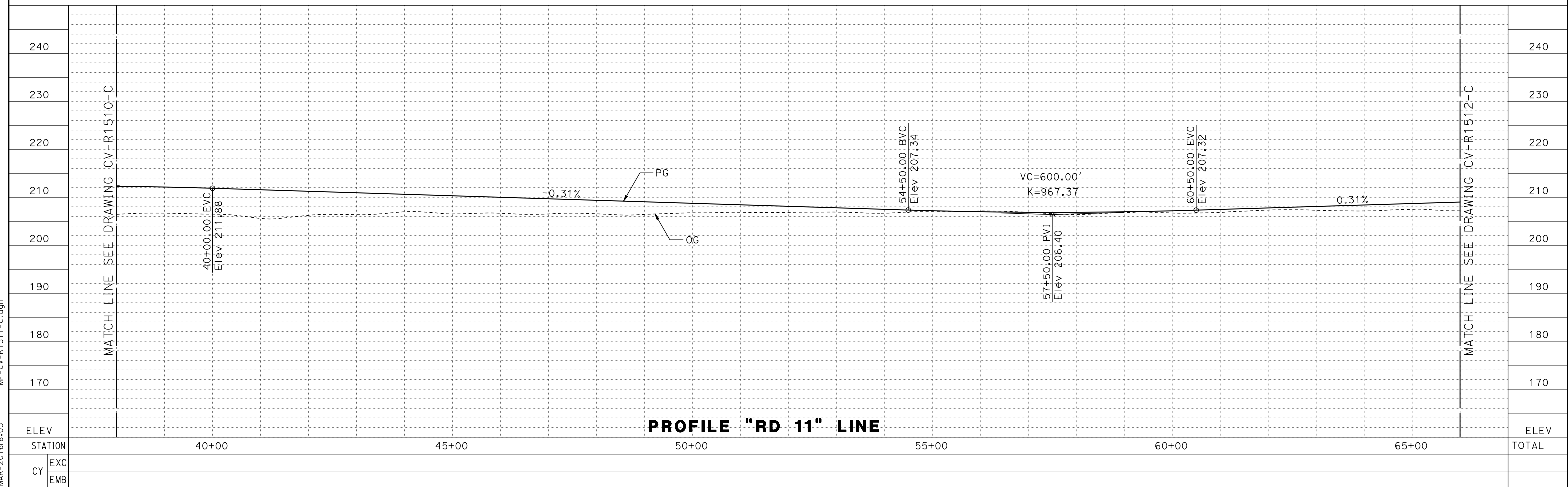
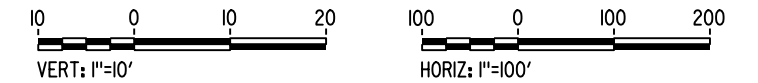
MERCED COUNTY



NOTES:

1. ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 11" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 11 REALIGNMENT

CONTRACT NO.
03/18/2016

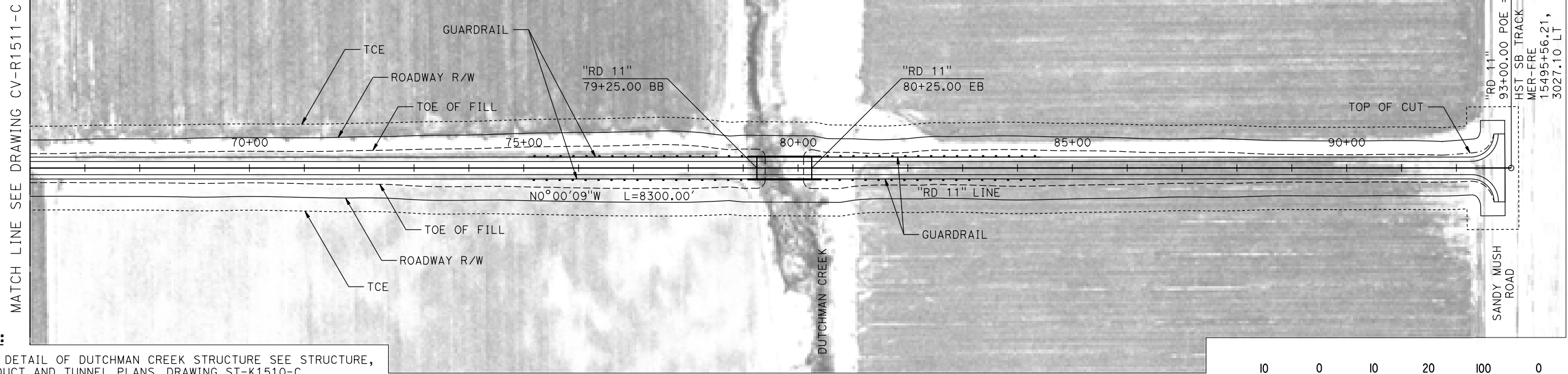
DRAWING NO.
CV-R1511-C

SCALE
AS SHOWN

SHEET NO.

17-MAR-2016 8:03 MF-CV-R1511-C.dgn

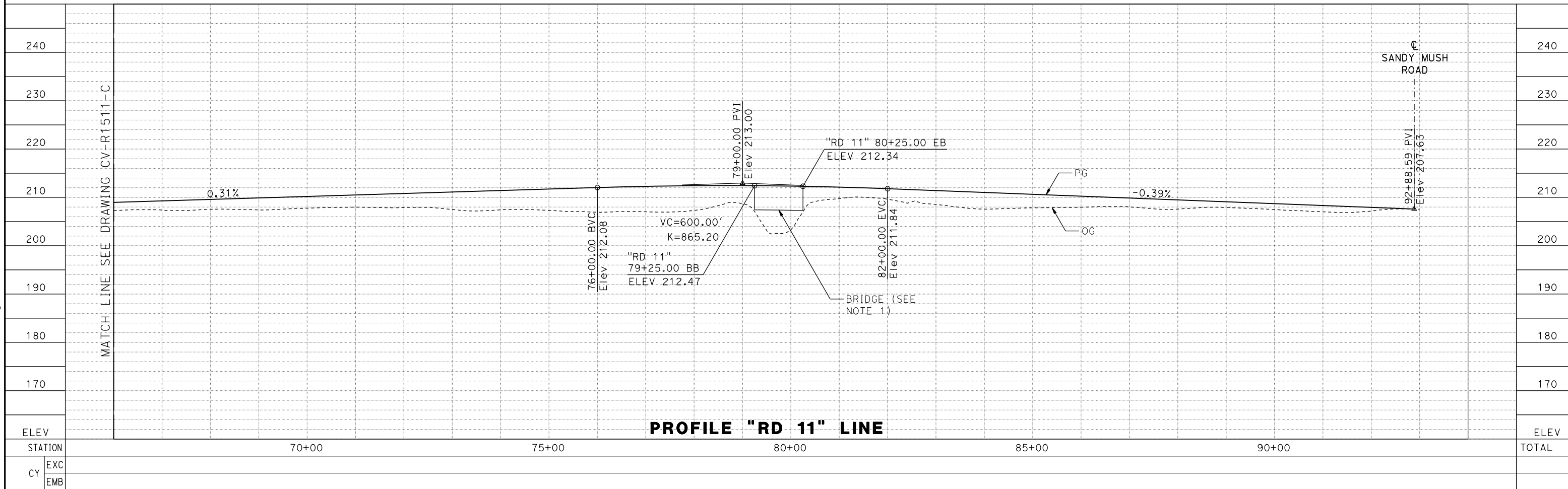
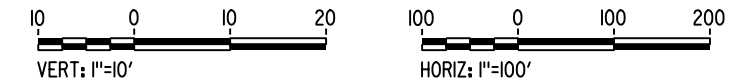
MERCED COUNTY



NOTES:

- FOR DETAIL OF DUTCHMAN CREEK STRUCTURE SEE STRUCTURE, VIADUCT AND TUNNEL PLANS, DRAWING ST-K1510-C.
- ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

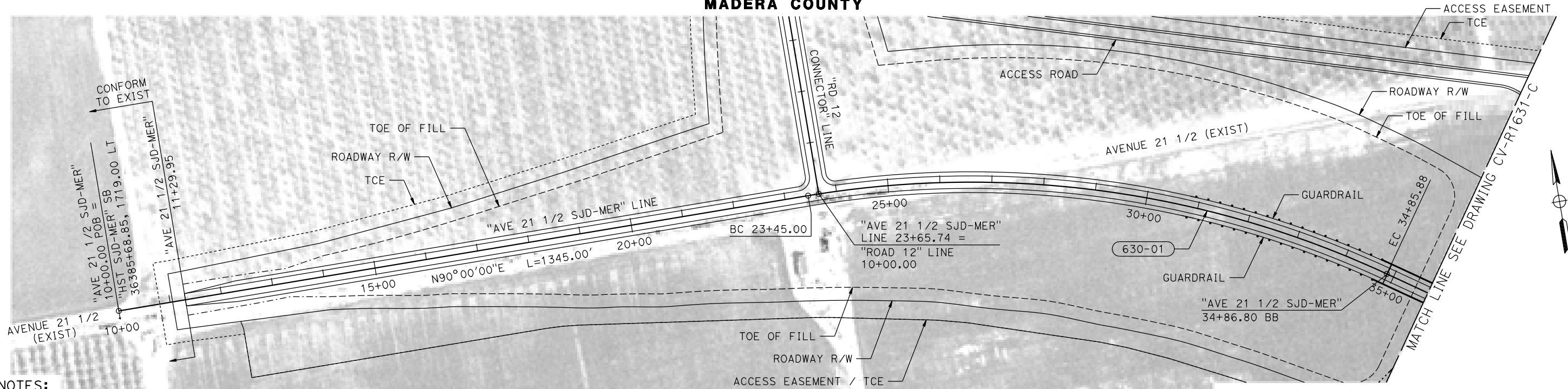


17-MAR-2016 8:03 MF-CV-R1512-C.dgn

DESIGNED BY A. GURA	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE PLAN AND PROFILE ROAD 11 REALIGNMENT	CONTRACT NO. 03/18/2016
DRAWN BY A. GURA					DRAWING NO. CV-R1512-C
CHECKED BY J. RAY					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					

REV	DATE	BY	CHK	APP	DESCRIPTION

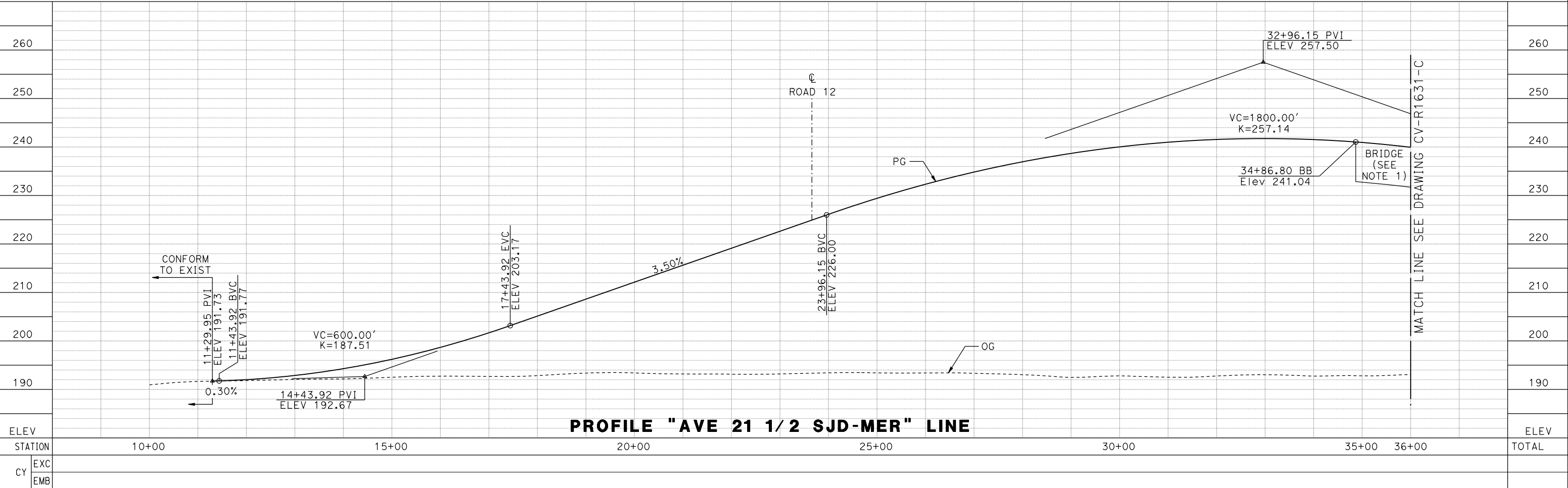
MADERA COUNTY



NOTES:

1. FOR DETAIL OF AVENUE 21 1/2 SJD-MER OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1630-C.
2. AVENUE 21 1/2 SJD-MER DESIGNED WITH 60 MPH DESIGN SPEED.
3. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-C.

PLAN



PROFILE "AVE 21 1/2 SJD-MER" LINE

17-MAR-2016 8:03 MF-CV-R1630-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

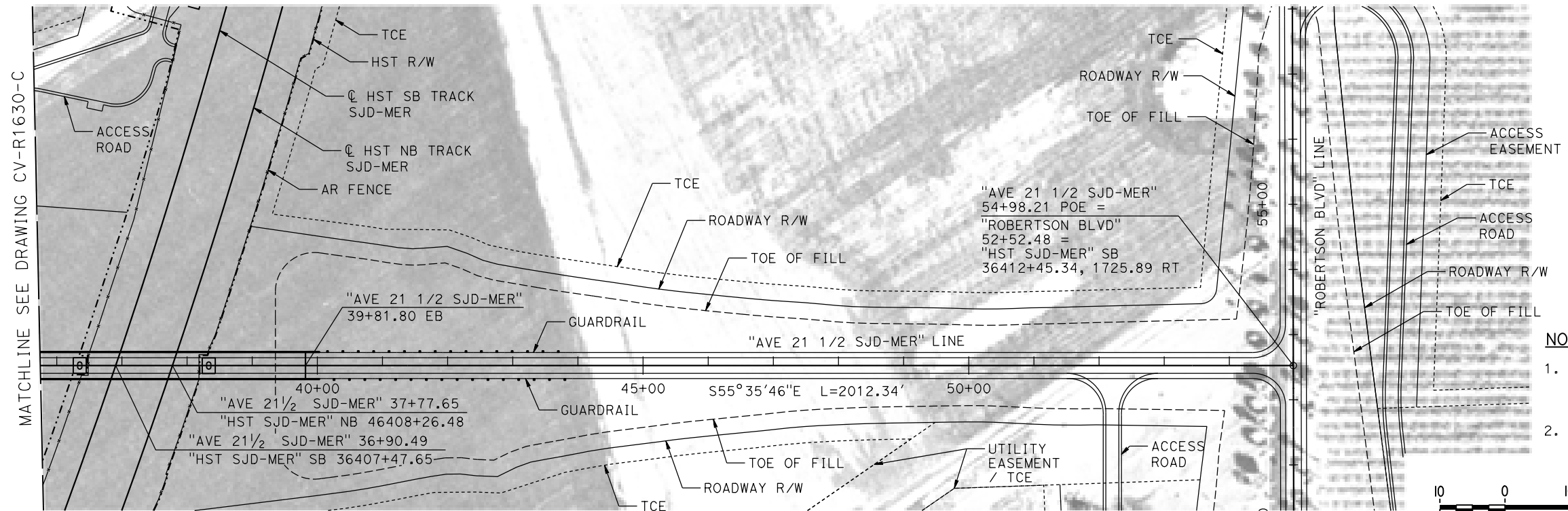
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 1/2 SJD-MER GRADE SEPARATION

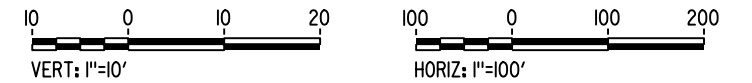
CONTRACT NO. 03/18/2016
DRAWING NO. CV-R1630-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

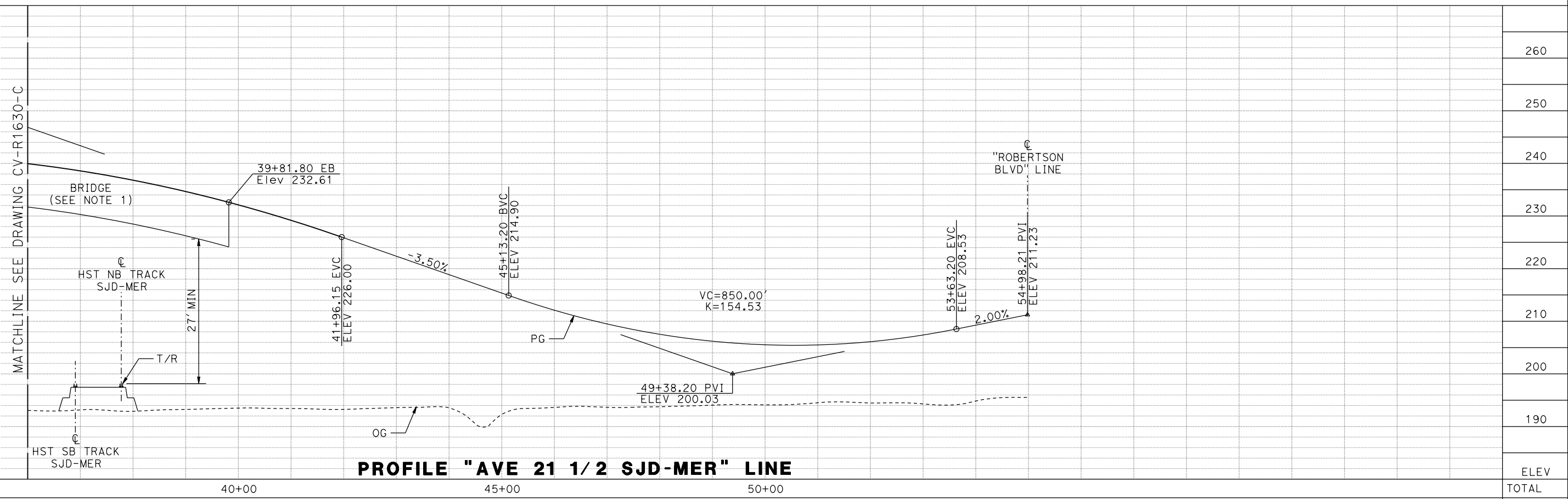


NOTES:

- FOR DETAIL OF AVENUE 21 1/2 SJD-MER OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS DRAWING ST-K1630-C
- AVENUE 21 1/2 SJD-MER DESIGNED WITH 60 MPH DESIGN SPEED.



PLAN



PROFILE "AVE 21 1/2 SJD-MER" LINE

17-MAR-2016 8:06 MF-CV-R1631-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

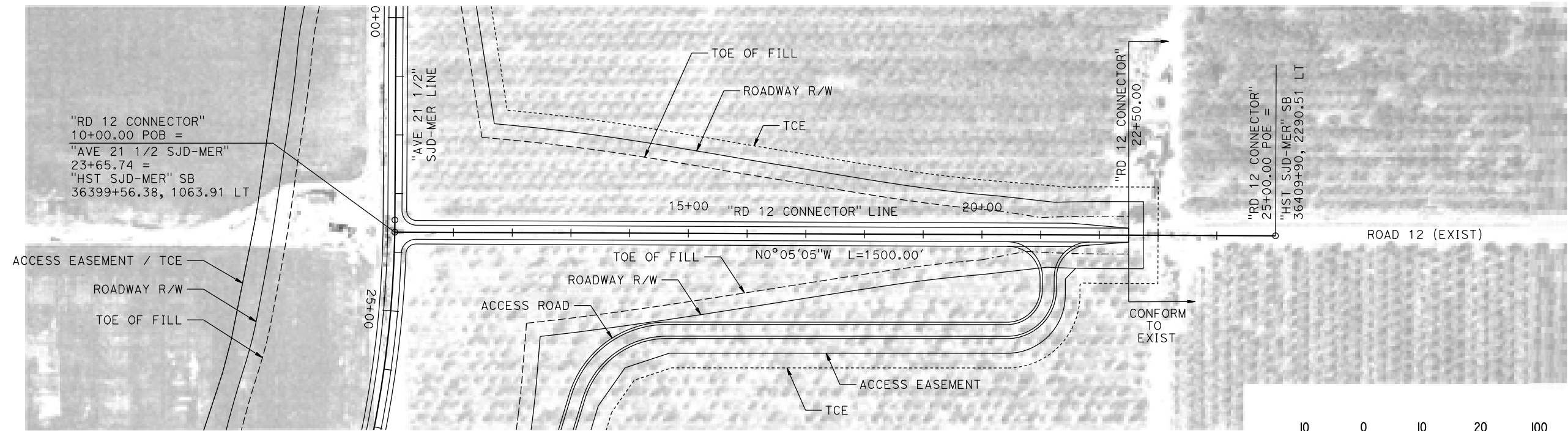
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 21 1/2 SJD-MER GRADE SEPARATION

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1631-C
SCALE
AS SHOWN
SHEET NO.

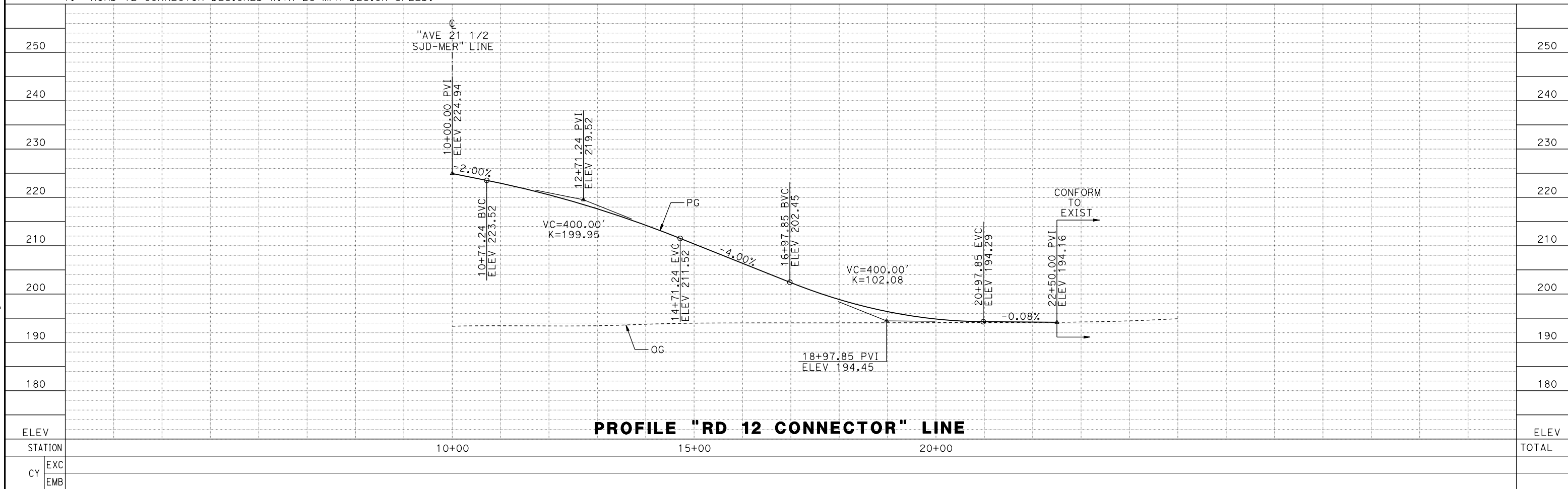
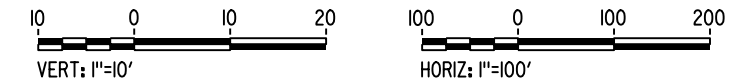
MADERA COUNTY



NOTES:

- 1. ROAD 12 CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.

PLAN



PROFILE "RD 12 CONNECTOR" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 12 CONNECTOR ROAD

CONTRACT NO.
03/18/2016
DRAWING NO.
CV-R1632-C
SCALE
AS SHOWN
SHEET NO.

17-MAR-2016 8:06 MF-CV-R1632-C.dgn

CONSTRUCTION STAGING

INDIANA ROAD DETOUR:

1. CONSTRUCT FRONTAGE ROAD.
2. DURING CONSTRUCTION OF INDIANA ROAD GRADE SEPARATION, DETOUR NB INDIANA ROAD TRAFFIC TO EB CATRINA RD, NB WILLIS RD, THEN WB HUTCHINS RD TO FRONTAGE RD.
3. DETOUR SB INDIANA ROAD TRAFFIC TO EB FRONTAGE RD TO HUTCHINS RD, SB WILLIS RD, THEN WB CATRINA RD.
4. DETOUR EB HUTCHINS RD TRAFFIC TO SB PALM AVE, THEN EB ROXBURY RD.
5. RESTORE TRAFFIC TO INDIANA ROAD AND HUTCHINS ROAD UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 4 / LINCOLN ROAD DETOUR:

1. CONSTRUCT AVE 21 REALIGNMENT, CONNECTOR ROAD, AND TEMPORARY DETOUR ROADWAY ON WEST SIDE OF ROAD 4 / LINCOLN ROAD. SEE DRAWING CV-I4100-C FOR DETAILS.
2. DIRECT TRAFFIC ONTO DETOUR / CONNECTOR ROAD DURING CONSTRUCTION OF GRADE SEPARATION.
3. RESTORE TRAFFIC TO ROAD 4 / LINCOLN RD UPON COMPLETION OF GRADE SEPARATION WORK.
4. REMOVE TEMPORARY ROADWAY.

ROAD 9 / HEMLOCK ROAD DETOUR:

1. DURING CONSTRUCTION OF ROAD 9 / HEMLOCK ROAD GRADE SEPARATION, DETOUR NB TRAFFIC TO WB AVE 20 1/2, NB RD 8, THEN EB AVE 21 1/2.
2. DETOUR SB TRAFFIC TO WB AVE 21 1/2, SB RD 8, THEN EB AVE 20 1/2.
3. RESTORE TRAFFIC TO ROAD 9 / HEMLOCK ROAD UPON COMPLETION OF GRADE SEPARATION WORK.

ROBERTSON BOULEVARD DETOUR:

1. DURING CONSTRUCTION OF ROBERTSON BLVD GRADE SEPARATION AND AVENUE 21 REALIGNMENT DETOUR SB TRAFFIC OF ROBERTSON BLVD ONTO EB AVE 21 1/2, SB ROAD 14, THEN WB AVE 20.
2. DETOUR NB TRAFFIC OF ROBERTSON BLVD ONTO WB AVE 20, NB ROAD 14, THEN EB AVENUE 21 1/2.
3. RESTORE TRAFFIC TO ROBERTSON BLVD UPON COMPLETION OF GRADE SEPARATION.

ROAD 16 DETOUR:

1. DURING CONSTRUCTION OF ROAD 16 GRADE SEPARATION, DETOUR NB TRAFFIC TO WB AVE 20 1/2, NB RD 15 1/2, THEN EB AVE 21 1/2.
2. DETOUR SB TRAFFIC TO WB AVE 21 1/2, SB RD 15 1/2, THEN EB AVE 20 1/2.
3. RESTORE TRAFFIC TO ROAD 16 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 19 DETOUR:

1. DURING CONSTRUCTION OF ROAD 19 GRADE SEPARATION, DETOUR NB TRAFFIC TO EB AVE 20 1/2, NB RD 19 1/2, THEN WB AVE 21 1/2.
2. DETOUR SB TRAFFIC TO EB AVE 21 1/2, SB RD 19 1/2, THEN WB AVE 20 1/2.
3. RESTORE TRAFFIC TO ROAD 19 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 22 DETOUR:

1. DURING CONSTRUCTION OF ROAD 22 GRADE SEPARATION, DETOUR NB TRAFFIC TO EB AVE 20 1/2, THEN NB RD 24, THEN WB AVE 24.
2. DETOUR SB TRAFFIC TO EB AVE 24, THEN SB RD 24, THEN WB AVE 20 1/2.
3. RESTORE TRAFFIC TO ROAD 22 UPON COMPLETION OF GRADE SEPARATION WORK.

AVENUE 20 1/2 DETOUR:

1. DURING CONSTRUCTION OF AVENUE 20 1/2 GRADE SEPARATION, DETOUR EB TRAFFIC TO NB RD 22, EB AVE 24, THEN SB RD 26.
2. DETOUR WB TRAFFIC TO NB RD 26, WB AVE 24, THEN SB ROAD 22.
3. RESTORE TRAFFIC TO AVENUE 20 1/2 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 24 DETOUR:

1. DURING CONSTRUCTION OF ROAD 24 DETOUR SB TRAFFIC ONTO EB AVE 22, SB RD 22, SB SR 99, THEN EB AVE 18 1/2.
2. DETOUR NB TRAFFIC ONTO WB AVE 18 1/2, NB SR 99, NB RD 22, THEN EB AVE 22.
3. RESTORE TRAFFIC TO ROAD 24 UPON COMPLETION OF GRADE SEPARATION.

AVENUE 21 1/2 (MER-FRE) DETOUR:

1. DURING CONSTRUCTION OF AVENUE 21 1/2 GRADE SEPARATION, DETOUR EB TRAFFIC TO NB ROBERTSON BLVD, EB AVE 22 1/2, THEN SB ROAD 14 1/2.
2. DETOUR WB TRAFFIC TO NB ROAD 14 1/2, WB AVE 22 1/2, THEN SB ROBERTSON BLVD.
3. RESTORE TRAFFIC TO AVE 21 1/2 UPON COMPLETION OF GRADE SEPARATION WORK.

ROAD 14 DETOUR:

1. COMPLETION OF AVE 21 1/2 (MER-FRE) SHOULD OCCUR PRIOR TO CONSTRUCTION OF ROAD 14 WORK STARTS.
2. DURING CONSTRUCTION OF ROAD 14 UNDERPASS, DETOUR SB TRAFFIC TO EB AVE 22, SB ROAD 15, THEN WB AVE 21.
3. DETOUR NB TRAFFIC TO EB AVE 20 1/2, NB ROAD 15, THEN WB AVE 22.
4. RESTORE TRAFFIC TO ROAD 14 UPON COMPLETION OF UNDERPASS WORK.

AVENUE 25 DETOUR:

1. DURING CONSTRUCTION OF AVENUE 25 UNDERPASS, DETOUR WB TRAFFIC TO SB ROAD 14, WB AVE 23 1/2, THEN NB ROAD 10.
2. DETOUR EB TRAFFIC TO SB ROAD 10, EB AVE 23 1/2, THEN NB ROAD 14.
3. RESTORE TRAFFIC TO ROAD 14 UPON COMPLETION OF UNDERPASS WORK.

ROAD 13 DETOUR:

1. COMPLETION OF AVE 25 SHOULD OCCUR PRIOR TO CONSTRUCTION OF ROAD 13.
2. DURING CONSTRUCTION OF ROAD 13, DETOUR SB TRAFFIC TO EB AVE 25 1/2, SB ROAD 14, THEN WB AVE 24 1/2.
3. DETOUR NB TRAFFIC TO EB AVE 24 1/2, NB ROAD 14, THEN WB AVE 25 1/2.
4. RESTORE TRAFFIC TO ROAD 13 UPON COMPLETION OF UNDERPASS WORK.

AVENUE 21 1/2 (SJD-FRE) DETOUR:

1. COMPLETION OF ROBERTSON BLVD SHOULD OCCUR PRIOR TO CONSTRUCTION OF AVE 21 1/2 (SJD-MER).
2. DURING CONSTRUCTION OF AVE 21 1/2 GRADE SEPARATION, DETOUR EB TRAFFIC TO NB ROAD 11, EB AVE 22, THEN SB ROBERTSON BLVD/ SR233.
3. DETOUR WB TRAFFIC TO NB ROBERTSON BLVD, WB AVE 22, THEN SB ROAD 11.
4. RESTORE TRAFFIC TO AVE 21 1/2 UPON COMPLETION OF GRADE SEPARATION WORK.

CUT-AND-COVER TUNNEL AT SANDY MUSH STAGING:

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

p005133g 02-NOV-2015 15:31:45 MF-CV-10001-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
GENERAL NOTES

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