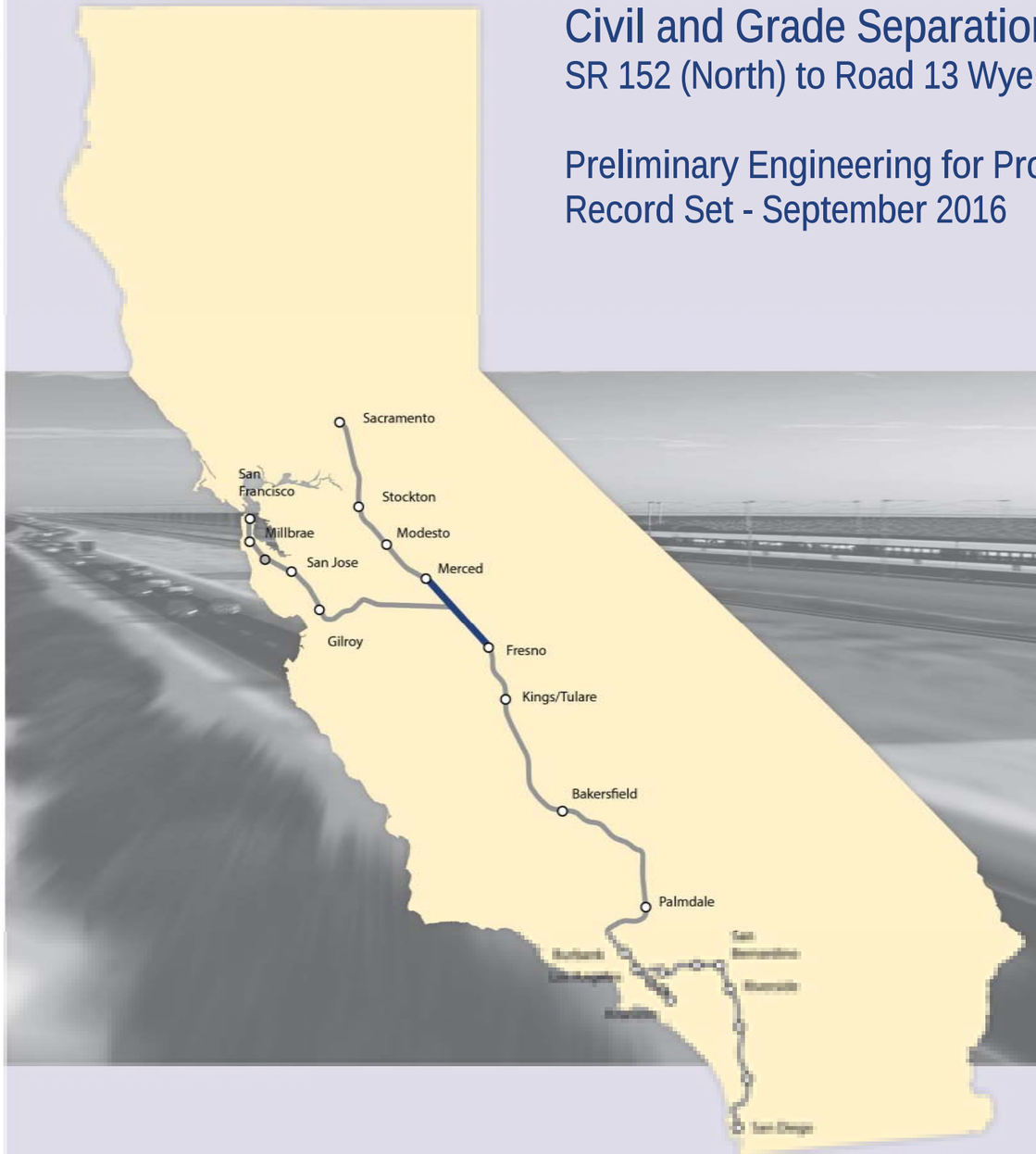
California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Civil and Grade Separation Plans (Book 1 of 4)

SR 152 (North) to Road 13 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



CALIFORNIA High-Speed Rail Authority

U.S. Department of Transportation
Federal Railroad Administration

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

PARSONS

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
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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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RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
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DRAWING NO. CV-B0003
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SHEET NO.

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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
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CV-S1510-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	CIVIL PLAN	MER-FRE STA 15500+00 TO 15556+00
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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
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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
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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
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CV-R1112-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 4/LINCOLN ROAD GRADE SEPARATION
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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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CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
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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
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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
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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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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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CV-B4051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 6
CV-B0061-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 6
CV-B0062-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 3 OF 6
CV-B0063-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 4 OF 6
CV-B0064-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 5 OF 6
CV-B0065-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 6 OF 6
CV-B0070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 5
CV-B0081-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 5
CV-B0082-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 5
CV-B0083-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 5
CV-B0084-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 5
CV-S1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5338+00 TO 5394+00
CV-S1020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5394+00 TO 5450+00
CV-S1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5450+00 TO 5506+00
CV-S1040-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5506+00 TO 5562+00
CV-S1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5562+00 TO 5618+00
CV-S1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5618+00 TO 5674+00
CV-S1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5674+00 TO 5730+00
CV-S1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5730+00 TO 5786+00
CV-S1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5786+00 TO 5842+00
CV-S1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5842+00 TO 5898+00
CV-S1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5898+00 TO 5954+00
CV-S1111-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 5954+00 TO 6010+00
CV-S1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6010+00 TO 6066+00
CV-S1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6066+00 TO 6122+00
CV-S1150-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6122+00 TO 6178+00
CV-S1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6178+00 TO 6234+00
CV-S1161-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE ACCESS ROAD
CV-S1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6234+00 TO 6290+00
CV-S1180-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6290+00 TO 6346+00
CV-S1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	CIVIL PLAN	SJD-FRE STA 6346+00 TO 6402+00

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
DATE 09/09/2016

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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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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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CV-I4103-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 59/SR 152 STAGE 4 OF 4
CV-I4160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 1 OF 4
CV-I4161-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 2 OF 4
CV-I4162-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 3 OF 4
CV-I4163-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 9/SR 152 STAGE 4 OF 4
CV-I4210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 1 OF 5
CV-I4211-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 2 OF 5
CV-I4212-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 3 OF 5
CV-I4213-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 4 OF 5
CV-I4214-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 233/SR 152 STAGE 5 OF 5
CV-I4230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 1 OF 4
CV-I4231-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 2 OF 4
CV-I4232-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 3 OF 4
CV-I4233-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	ROAD 16/SR 152 STAGE 4 OF 4
CV-I4520-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 1 OF 4
CV-I4521-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 2 OF 4
CV-I4522-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 3 OF 4
CV-I4523-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	SR 99 TUNNEL STAGE 4 OF 4
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CV-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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
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CONTRACT NO. HSR08-05
DRAWING NO. CV-B0012
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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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
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CONTRACT NO. HSR08-05
DRAWING NO. CV-B0013
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CV-R1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1301-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 20 1/2 GRADE SEPARATION
CV-R1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1311-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 24 REALIGNMENT
CV-R1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 14 GRADE SEPARATION
CV-R1431-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 14 GRADE SEPARATION
CV-R1432-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 GRADE SEPARATION
CV-R1433-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 GRADE SEPARATION
CV-R1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 25/WASHINGTON ROAD UNDERPASS
CV-R1471-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 13 REALIGNMENT
CV-R1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1491-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	VISTA AVENUE/ROAD 13 REALIGNMENT
CV-R1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1501-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1502-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	CROSS ROAD REALIGNMENT
CV-R1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1511-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1512-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 11 REALIGNMENT
CV-R1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 SJD-MER GRADE SEPARATION
CV-R1631-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	AVENUE 21 1/2 SJD-MER GRADE SEPARATION
CV-R1632-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	PLAN AND PROFILE	ROAD 12 CONNECTOR ROAD
CV-I0001-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	STAGE CONSTRUCTION PLAN	GENERAL NOTES
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE				
CV-B4050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
CV-B4051-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
CV-B4052-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
CV-B4053-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4
CV-B0060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 1 OF 6
CV-B0061-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 2 OF 6
CV-B0062-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 3 OF 6
CV-B0063-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 4 OF 6
CV-B0064-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 5 OF 6
CV-B0065-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GEOMETRY DATA TABLE	SHEET 6 OF 6
CV-B0070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 1 OF 4
CV-B0071-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 2 OF 4
CV-B0072-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 3 OF 4
CV-B0073-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	UTILITY CONFLICT TABLE	SHEET 4 OF 4
CV-B0080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 3
CV-B0081-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 3
CV-B0082-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 3

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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MERCED TO FRESNO SECTION

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

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

RECORD SET
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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

A

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

B

BAGR	BRIDGE APPROACH GUARD RAILING
BB	BEGINNING OF BRIDGE
B-B	BACK-TO-BACK
BC	BEGIN HORIZONTAL CURVE
BCR	BEGIN CURB RETURN
BEG	BEGIN
BIT CTD	BITUMINOUS COATED
BK	BACK
BKF	BACKFILL
BLDG	BUILDING
BLM	BRIDGE-LOG MILE
BLVD	BOULEVARD
BM	BENCH MARK
BOT	BOTTOM
BNSF	BNSF RAILWAY
BR	BRIDGE
BRG	BEARING
BT	BEGIN TUNNEL
BTU	BRITISH THERMAL UNIT
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE

C

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 AUTHORITY (SEE AUTHORITY)
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

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

M

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

N

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

O

OBLR	OBLITERATE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
CIVIL AND GRADE SEPARATION PLANS
ABBREVIATIONS
SHEET 1 OF 2

CONTRACT NO. HSR08-05
DRAWING NO. CV-B0020
SCALE NO SCALE
SHEET NO.

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O CONTINUED

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

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX, PHASE BREAK
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PED	PEDESTRIAN
PED OC	PEDESTRIAN OVERCROSSING
PED UC	PEDESTRIAN UNDERCROSSING
PERM MTL	PERMEABLE MATERIAL
PG	PROFILE GRADE
PG&E	PACIFIC GAS AND ELECTRIC
PI	POINT OF INTERSECTION
PITO	POINT OF INTERSECTION TURNOUT
PJP	PARTIAL JOINT PENETRATION
℄, PL	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
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT

P CONTINUED

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
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

S CONTINUED

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
WWLOL	WINGWALL LAYOUT LINE

X

X SEC	CROSS SECTION
XING	CROSSING
XO	CROSSOVER

Y

YR	YEAR
YRS	YEARS

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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.

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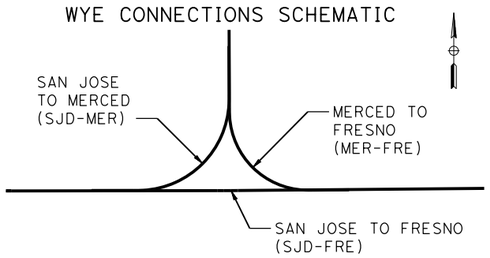

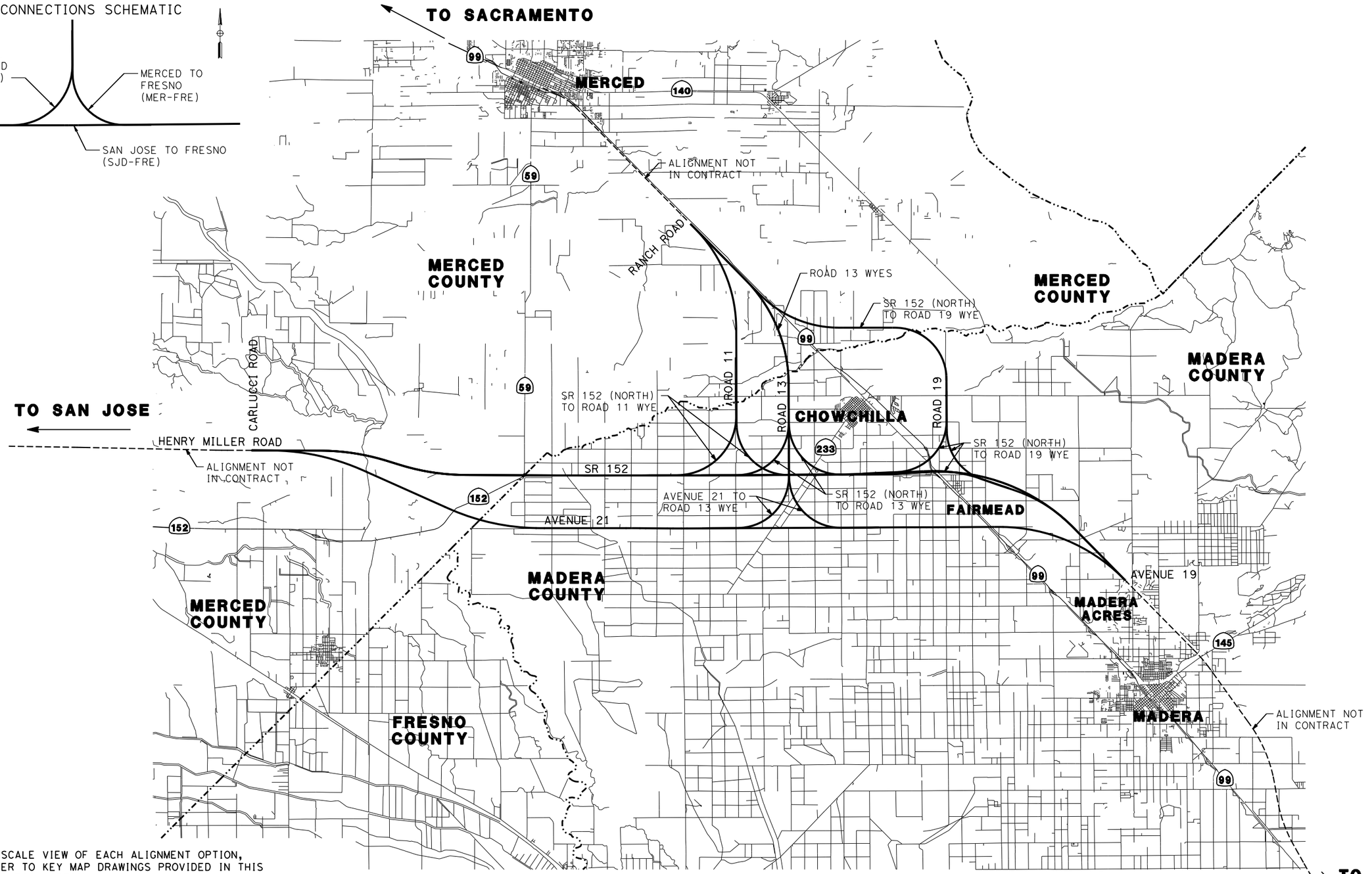

NOTE:

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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.

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MF-CV-B4000.dgn
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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).

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. WELLS
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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.

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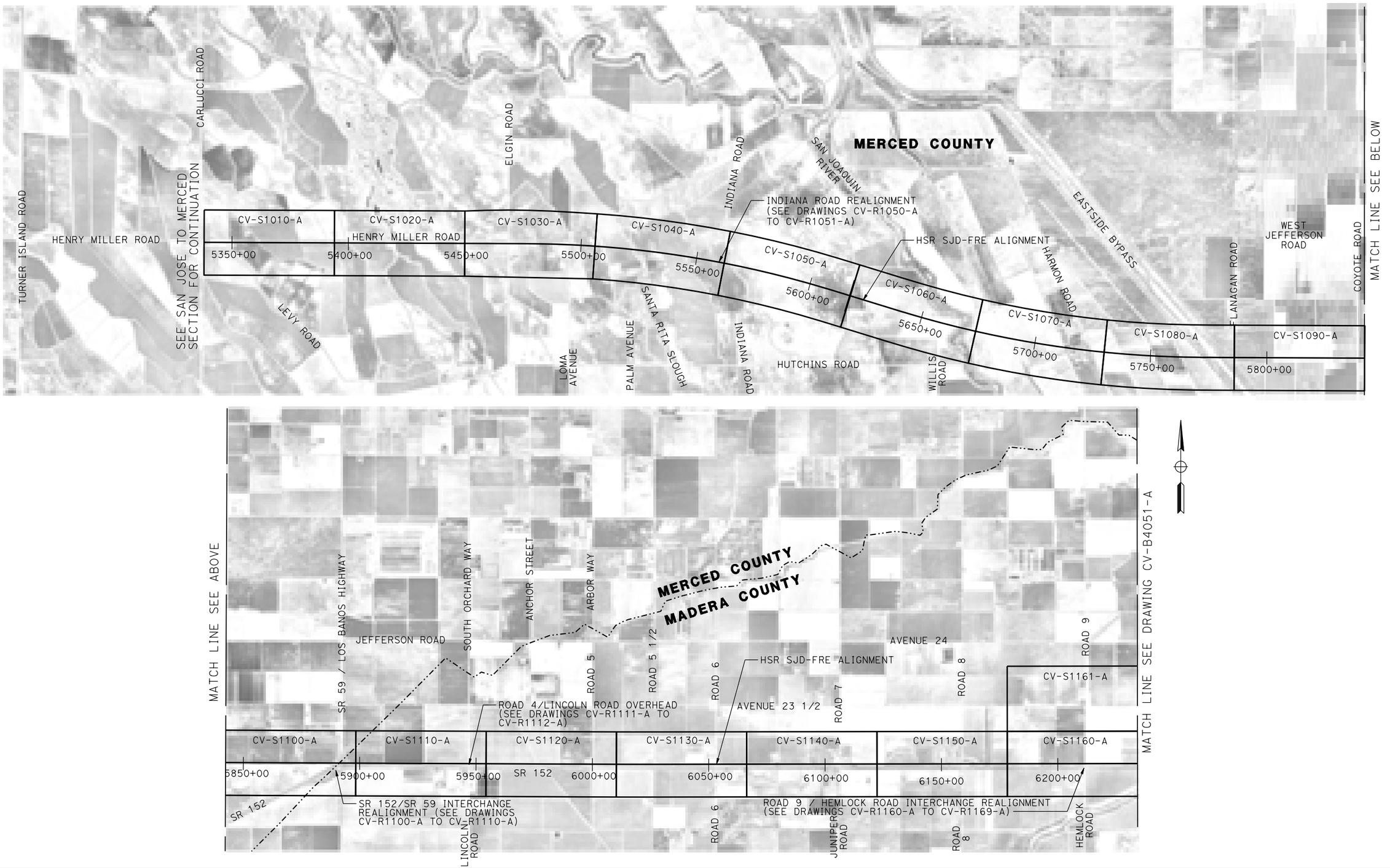

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 4

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

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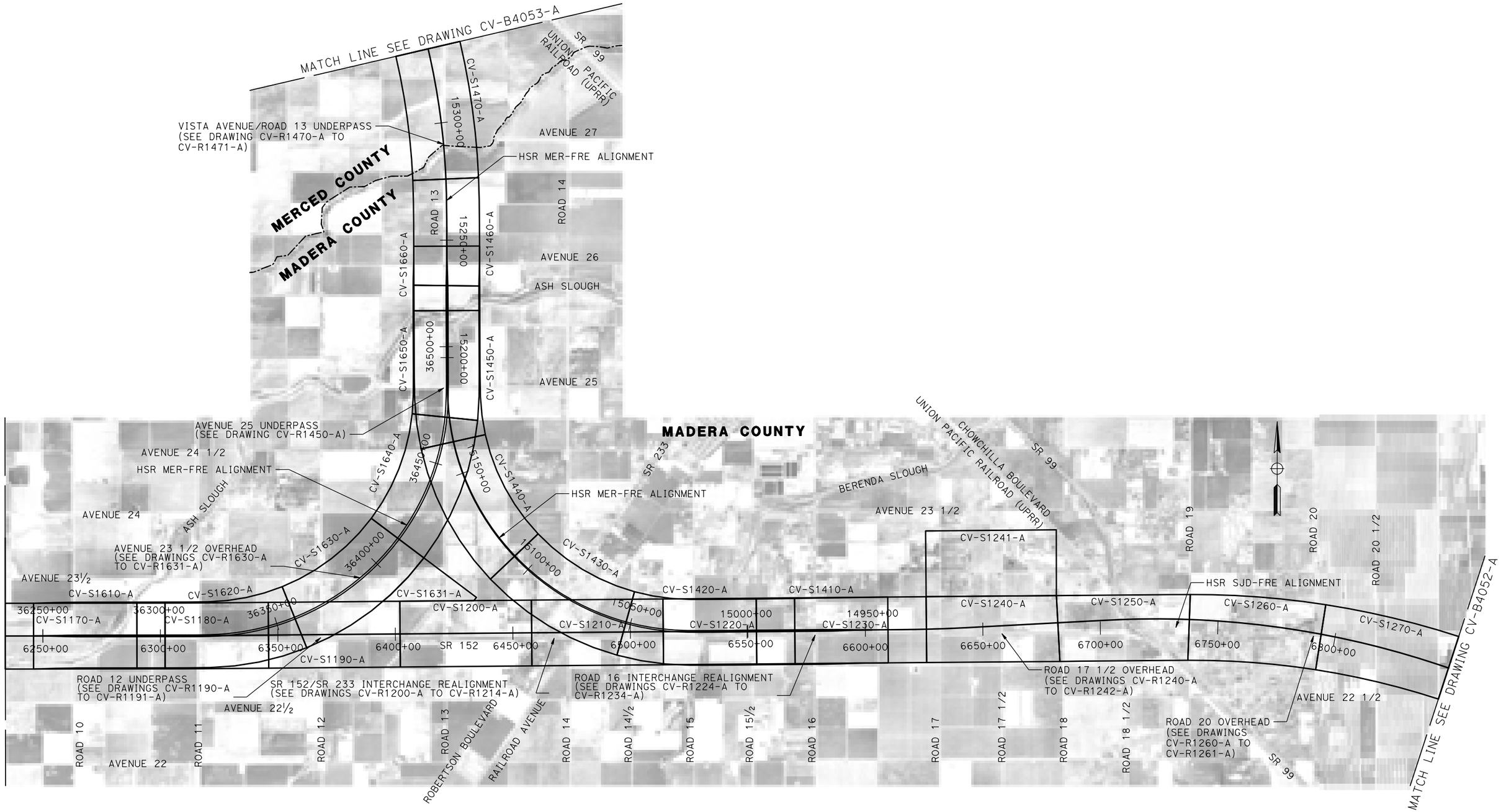

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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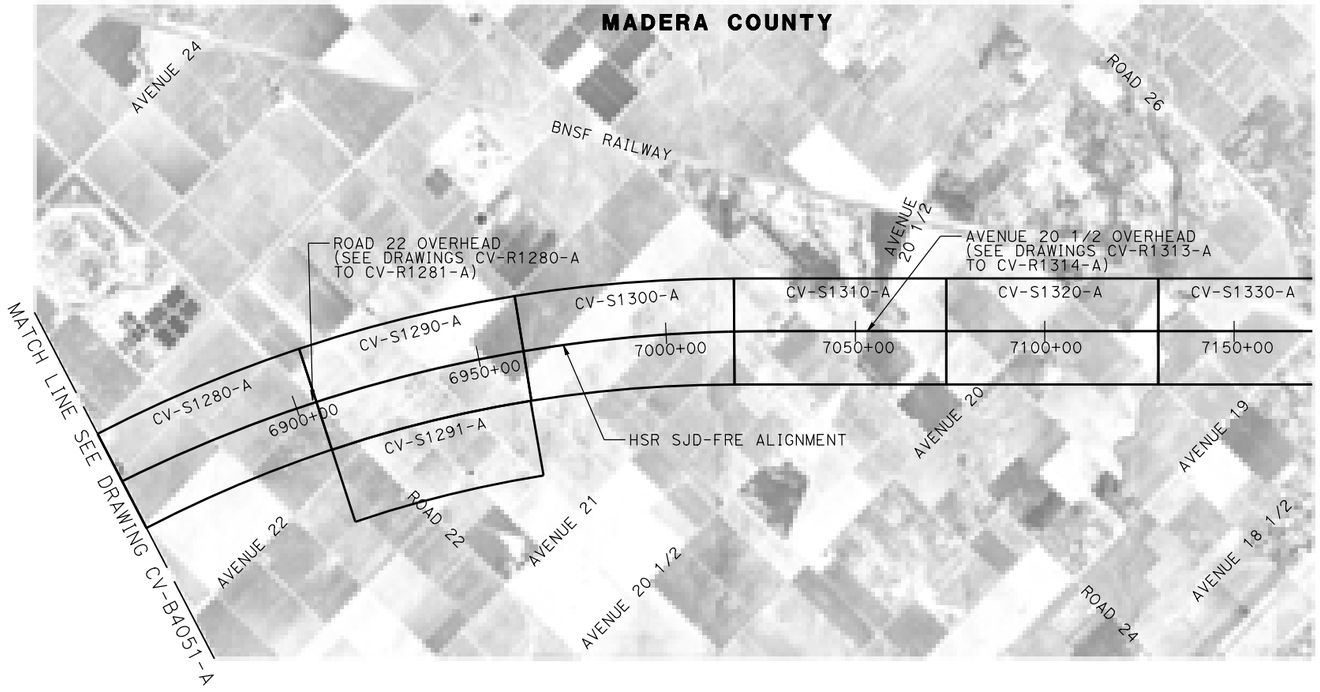

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PARSONS

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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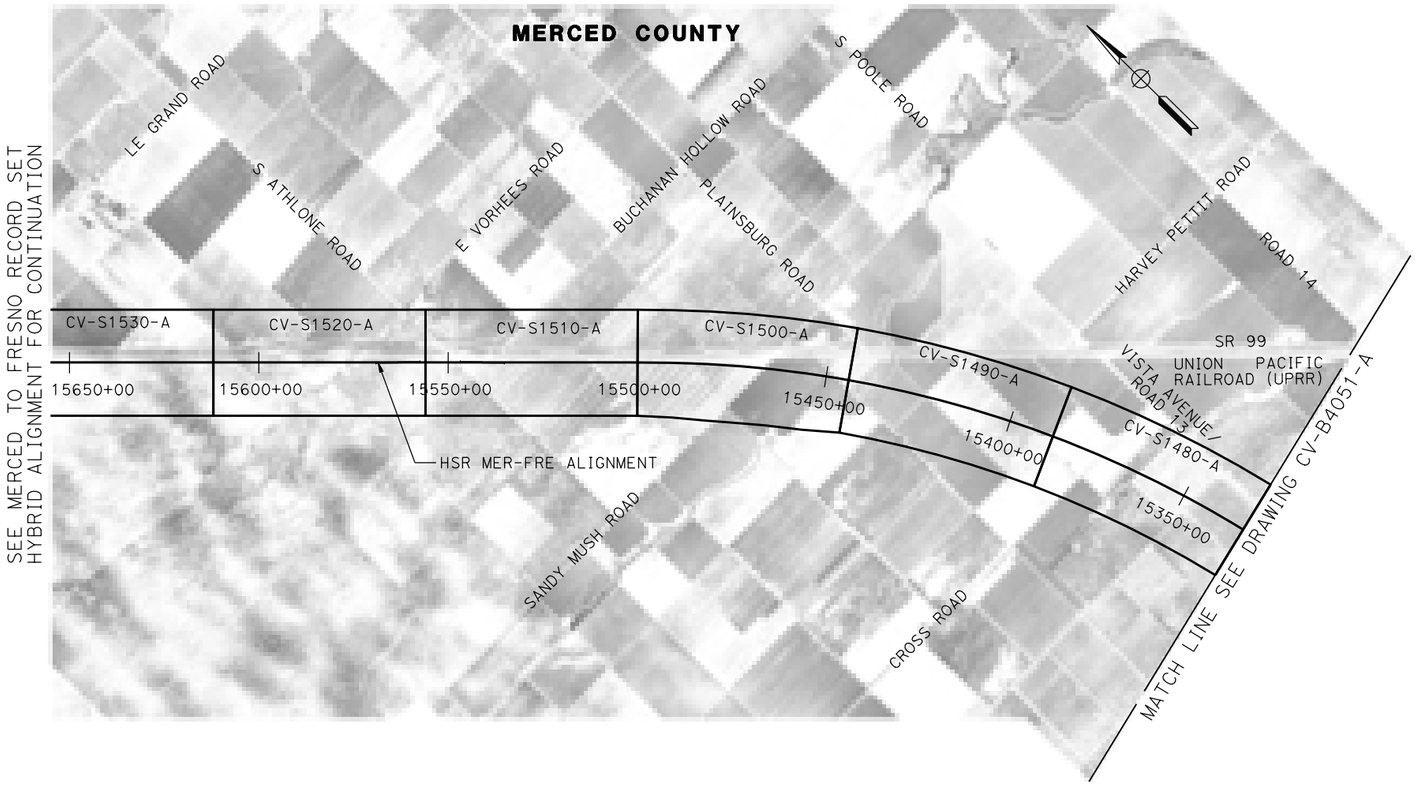

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-B4053-A
SCALE NTS
SHEET NO.

09-MAR-2016 11:26 MF-CV-B4053-A.dgn p005133A

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA △	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
HENRY MILLER ROAD "HENRY MILLER RD"	030-01	STATION	45+25.89	51+56.52		57+85.49	10,000.00	7°13′01"	0°34′23"	1,259.60	630.63
		NORTHING	1858106.10	1858106.10	1848106.10	1858026.88		RIGHT			
		EASTING	6525127.39	6525758.03	6525127.39	6526383.67					
	030-02	STATION	107+69.71	111+45.55		115+04.08	1,400.00	30°03′16"	4°05′33"	734.37	375.84
		NORTHING	1857400.72	1857353.51	1858789.63	1857499.38		LEFT			
		EASTING	6531328.40	6531701.26	6531504.28	6532047.64					
INDIANA ROAD "INDIANA RD"	050-01	STATION	24+12.02	36+20.81		46+85.09	2,700.00	48°14′09"	2°07′19"	2,273.07	1,208.79
		NORTHING	1855871.61	1857038.63	1856575.18	1858050.89		LEFT			
		EASTING	6532459.79	6532774.78	6529853.07	6532114.10					
	050-02	STATION	50+03.45	58+17.71		65+50.00	2,000.00	44°18′20"	2°51′53"	1,546.55	814.26
		NORTHING	1858317.49	1858999.37	1859410.61	1859798.19		RIGHT			
		EASTING	6531940.1	6531495.06	6533614.94	6531652.85					
COYOTE ROAD "COYOTE RD"	090-01	STATION	13+00.00	18+01.57		20+86.97	500.00	90°10′48"	11°27′33"	786.97	501.57
		NORTHING	1852469.88	1852971.46	1852469.88	1852969.88		RIGHT			
		EASTING	6558672.51	6558672.51	6559172.51	6559174.08					
SR 152 REALIGNMENT AT SR 59 "SR 152/SR 59"	100-01	STATION	12+03.86	14+20.96		16+37.98	9,700.00	2°33′51.22"	0°35′26.44"	434.12	217.09
		NORTHING	1850801.75	1850900.75	1842169.09	1850991.01		RIGHT			
		EASTING	6559575.36	6559768.57	6563998.84	6559966.01					
	100-02	STATION	22+10.04	53+19.69		83+68.55	17,999.00	19°36′15.24"	0°19′05.98"	6,158.51	3,109.65
		NORTHING	1851228.85	1852521.7	1834859.18	1852790.71		RIGHT			
		EASTING	6560486.29	6563314.44	6567969.48	6566412.44					
	100-03	STATION	93+42.18	97+71.35		101+99.97	9,700.00	5°04′00.52"	0°35′26.44"	857.80	429.18
		NORTHING	1852874.94	1852912.06	1843211.30	1852911.28		RIGHT			
		EASTING	6567382.41	6567809.98	6568221.53	6568239.16					
EB SR 152 TO NB SR 59 RAMP "EB OFF RAMP"	101-01	STATION	26+96.94	28+32.35		29+67.75	17,921.00	0°51′56.88"	0°19′10.97"	270.81	135.41
		NORTHING	1851353.47	1851395.65	1834323.78	1851435.87		RIGHT			
		EASTING	6560962.29	6561090.96	6566543.68	6561220.25					
	101-02	STATION	33+03.48	36+84.30		40+61.06	3,000.00	14°28′07.46"	1°54′35.49"	757.58	380.82
		NORTHING	1851535.6	1851648.72	1848671.01	1851667.40		RIGHT			
		EASTING	6561540.84	6561904.46	6562431.98	6562284.82					
	101-03	STATION	46+06.33	58+06.44		64+91.40	1,200.00	90°00′19.45"	4°46′28.73"	1,885.07	1,200.11
		NORTHING	1851694.15	1851753.02	1852892.70	1852951.68		LEFT			
		EASTING	6562829.43	6564028.1	6562770.57	6563969.12					
	101-04	STATION	78+16.20	78+94.50		79+72.76	3,000.00	2°59′24.27"	1°54′35.49"	156.56	78.30
		NORTHING	1854274.88	1854353.09	1854422.33	1854431.38		RIGHT			
		EASTING	6563904.01	6563900.16	6566900.38	6563900.39					
SB SR 59 TO WB SR 152 RAMP "WB ON RAMP"	102-01	STATION	37+27.63	38+77.64		40+27.63	18,077.00	0°57′03.14"	0°19′01.03"	300.00	150.01
		NORTHING	1851874.32	1851927.78	1834984.69	1851978.92		RIGHT			
		EASTING	6561865.11	6562005.26	6568308.60	6562146.28					
	102-02	STATION	40+27.63	41+11.19		41+94.72	3,594.62	2°39′47.43"	1°35′38.16"	167.08	83.56
		NORTHING	1851978.92	1852007.4	1855358.23	1852039.51		LEFT			
		EASTING	6562146.28	6562224.84	6560920.91	6562301.98					
	102-03	STATION	49+38.86	57+28.63		63+59.29	1,305.00	62°21′49.18"	4°23′25.73"	1,420.43	789.77
		NORTHING	1852325.41	1852628.85	1853530.25	1853415.56		LEFT			
		EASTING	6562989.01	6563718.16	6562487.62	6563787.57					

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09-MAR-2016 0:44

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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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

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

MF-CV-B0062-A.dgn
09-MAR-2016 10:48
p0051133A

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

ROAD "ALIGNMENT NAME"	CURVE NO.		BC	PI	CC	EC	RADIUS (FT)	DELTA	DEGREE OF CURVATURE (ARC)	LENGTH (FT)	TANGENT (FT)
SR 233/SR 152 EB LOOP RAMP "EB LOOP RAMP"	202-01	STATION	10+00.00	10+86.90		11+39.78	93.00	86°06'52.38"	61°36'30.11"	139.78	86.90
		NORTHING	1852116.15	1852044.25	1852168.37	1852088.05		RIGHT			
		EASTING	6620190.24	6620141.45	6620113.28	6620066.40					
	202-02	STATION	13+02.25	19+40.71		18+09.14	200.00	145°12'47.90"	28°38'52.40"	506.89	638.46
		NORTHING	1852169.95	1852491.79	1852342.68	1852542.06		RIGHT			
		EASTING	6619926.08	6619374.67	6620026.90	6620011.15					
	202-03	STATION	22+51.67	23+35.24		24+18.76	3,000.00	3°11'28.67"	1°54'35.49"	167.10	83.57
		NORTHING	1852576.90	1852583.48	1849586.22	1852585.42		RIGHT			
		EASTING	6620452.30	6620535.61	6620688.52	6620619.16					
SR 233/SR 152 WB ON RAMP "WB ON RAMP"	203-01	STATION	16+72.81	22+15.00		27+45.61	3,000.00	20°29'20"	1°54'35"	1,072.80	542.19
		NORTHING	1852867.39	1852793.36	1855839.30	1852912.03		LEFT			
		EASTING	6618965.65	6619502.76	6619375.23	6620031.81					
	203-02	STATION	31+35.85	32+43.86		33+45.37	350.00	34°17'55"	16°22'13"	209.52	108.00
		NORTHING	1852997.44	1853021.07	1852655.92	1852981.22		RIGHT			
		EASTING	6620412.59	6620517.98	6620489.19	6620618.36					
SR 233/SR 152 EB ON RAMP "EB ON RAMP"	210-01	STATION	12+18.03	15+67.22		18+50.52	600.00	60°23'53.55"	9°32'57.47"	632.49	349.20
		NORTHING	1851893.73	1851717.71	1852411.92	1851892.98		LEFT			
		EASTING	6620323.95	6620625.53	6620626.40	6620927.55					
	210-02	STATION	29+50.66	34+43.98		39+28.54	3,000.00	18°40'34.42"	1°54'35.49"	977.88	493.32
		NORTHING	1852445.17	1852692.78	1849850.44	1852790.72		RIGHT			
		EASTING	6621879.08	6622305.75	6623384.86	6622789.25					
SR 233/SR 152 WB OFF RAMP "WB OFF RAMP"	211-01	STATION	37+30.21	38+77.53		40+19.14	600.00	27°35'29"	9°32'57"	288.94	147.33
		NORTHING	1852847.48	1852793.11	1853405.13	1852808.35		LEFT			
		EASTING	6620987.67	6621124.60	6621209.10	6621271.14					
	211-02	STATION	52+23.14	54+44.03		56+64.66	5,177.00	4°53'11"	1°06'24"	441.52	220.90
		NORTHING	1852932.83	1852955.67	1847783.58	1852959.71		RIGHT			
		EASTING	6622468.68	6622688.39	6623003.95	6622909.25					
CATES COURT "CATES CT"	212-01	STATION	13+44.20	14+13.01		14+78.49	250.00	30°46'36.50"	22°55'05.92"	134.29	68.81
		NORTHING	1854386.24	1854347.54	1854179.52	1854285.18		RIGHT			
		EASTING	6622168.17	6622225.07	6622027.58	6622254.15					
	212-01	STATION	15+34.15	16+02.94		16+68.41	250.00	30°46'14.25"	22°55'05.92"	134.26	68.79
		NORTHING	1854234.74	1854172.40	1854340.41	1854133.70		LEFT			
		EASTING	6622277.68	6622306.75	6622504.25	6622363.63					
SR 152 REALIGNMENT AT ROAD 16 "SR 152/ROAD 16"	220-01	STATION	14+25.89	19+02.52		23+76.40	5,100.00	10°40'42.20"	1°07'24.41"	950.50	476.63
		NORTHING	1853031.56	1853042.05	1847932.80	1852964.06		RIGHT			
		EASTING	6629753.42	6630229.94	6629865.63	6630700.14					
	220-02	STATION	28+57.10	33+02.66		37+45.96	5,100.00	9°59'09.18"	1°07'24.41"	888.86	445.56
		NORTHING	1852885.4	1852812.49	1857916.66	1852816.91		LEFT			
		EASTING	6631174.37	6631613.92	6632008.89	6632059.46					
	220-03	STATION	48+64.72	53+03.74		57+40.60	5,100.00	9°50'24.30"	1°07'24.41"	875.88	439.02
		NORTHING	1852828.00	1852832.36	1857927.75	1852911.67		LEFT			
		EASTING	6633178.16	6633617.16	6633127.59	6634048.96					
	220-04	STATION	63+83.13	68+31.57		72+77.70	5,100.00	10°03'00.07"	1°07'24.41"	894.57	448.44
		NORTHING	1853027.75	1853108.76	1848011.67	1853111.57		RIGHT			
		EASTING	6634680.92	6635121.98	6635602.29	6635570.4					

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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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GEOMETRY DATA TABLE
SHEET 4 OF 6

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

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

06-SEP-2016 10:58 MF-CV-B0065-A.dgn p0021811

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

NOTES:

1. ALL CONFLICTS ARE TRANSVERSE UNLESS OTHERWISE NOTED. ALL PIPE SIZES ARE SHOWN IN INCHES IN DIAMETER.
2. REFER TO THE 15% UTILITY REPORT FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO THE 15% HYDROLOGY AND HYDRAULICS REPORT FOR ADDITIONAL WATER CROSSING INFORMATION.

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 1 OF 4

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

MF-CV-B0070-A.dgn
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Utility Type	Conflict ID #	Utility	Description	Approximate Location of Conflict	Potential Project Impact	Sheet #
Water Infrastructure	JVC-41	Temple Santa Rita Canal	Unknown flow, irrigation infrastructure	5436+95	Low Risk	CV-S1020-A
	JVC-42	West Santa Rita Drain		5446+30		CV-S1020-A
	JVC-67	Drain No. 2		5494+60		CV-S1030-A
	JVC-68	Escano Branch Ditch		5496+90		CV-S1030-A
	JVC-85	Drain No. 3		5509+15		CV-S1040-A
	JVC-45	Orchard Ditch		5521+70		CV-S1040-A
	JVC-70	Santa Rita Slough		5522+75		CV-S1040-A
	JVC-71	Santa Rita Drain No. 1		5527+90		CV-S1040-A
	JVC-72	Drain No. 4		5535+55		CV-S1040-A
	JVC-73	Santa Rita Drain No. 1A		5544+75		CV-S1040-A
	JVC-86	Drain No. 5		5564+20		CV-S1050-A
	JVC-88	Santa Rita Ditch		5564+75		CV-S1050-A
	JVC-87	Island Field		5573+20		CV-S1050-A
	JVC-12	Lucerne Ditch		5594+40		CV-S1050-A
	JVC-148	Historical Wood Slough		5596+00 to 5596+75		CV-S1050-A
	JVC-13	Wood Slough		5623+55		CV-S1060-A
	JVC-147	Irrigation Ditch #57		5646+00		CV-S1060-A
	JVC-74	Riverside Canal	Max flow - 40 cfs, irrigation infrastructure	5666+55		CV-S1060-A
	JVC-98	San Joaquin River	N/A	5567+20 to 5570+40		CV-S1060-A
	JVC-101	Mariposa Slough		5685+85		CV-S1070-A
	JVC-15	Eastside Bypass		5772+10 to 5783+85		CV-S1080-A
	JVC-46	Chowchilla Canal	Unknown flow, concrete lined irrigation infrastructure	5976+00		CV-S1120-A
	JVC-77	Ash Slough	N/A	6276+40 to 6282+40		CV-S1170-A
				36276+50 to 36282+75		CV-S1610-A

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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
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RECORD SET 15% DESIGN SUBMITTAL

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CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 2 OF 4

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

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

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

NOTES:

1. ALL CONFLICTS ARE TRANSVERSE UNLESS OTHERWISE NOTED. ALL PIPE SIZES ARE SHOWN IN INCHES IN DIAMETER.
2. REFER TO THE 15% UTILITY REPORT FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO THE 15% HYDROLOGY AND HYDRAULICS REPORT FOR ADDITIONAL WATER CROSSING INFORMATION.

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 3 OF 4

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

MF-CV-B0072-A.dgn
12-MAR-2016 09:36
p0042226

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

NOTES:

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3. 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 10/30/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

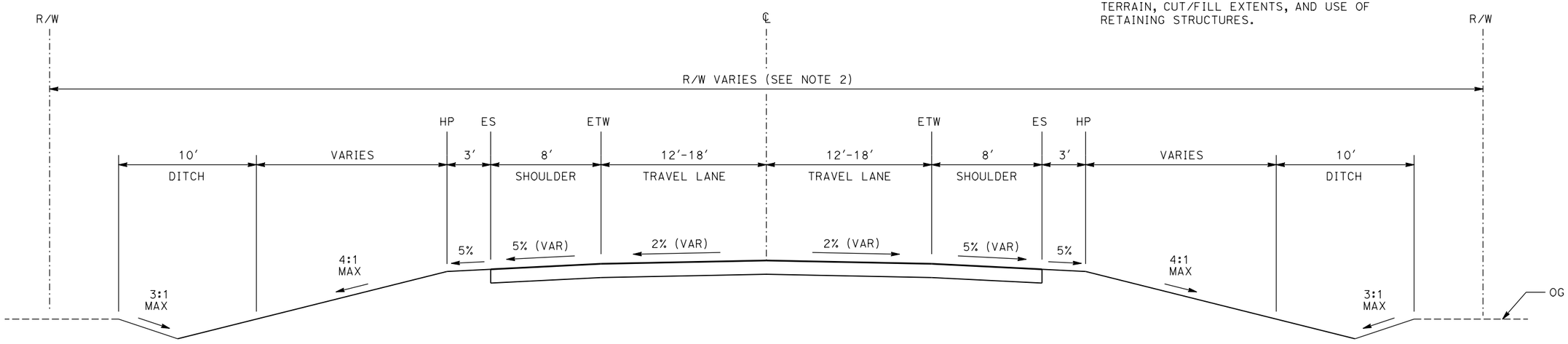
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
UTILITY CONFLICT TABLE
SHEET 4 OF 4

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

MF-CV-B0073-A.dgn
12-MAR-2016@9:37
p0042226

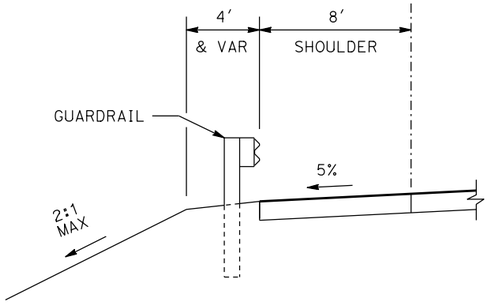
NOTES:

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



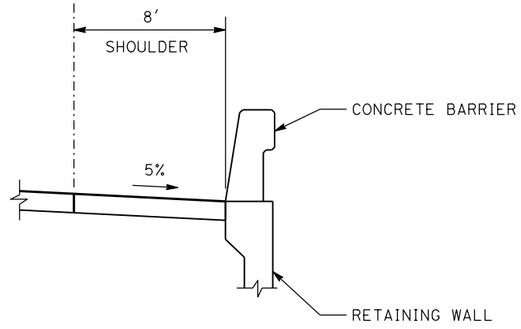
TYPICAL SECTION

COUNTY ROADWAY OR STATE HIGHWAY
"RD 9/HEMLOCK RD" LINE
"AVE 23½" LINE
"SR-233/ROBERTSON BLVD" LINE
"RD 17½" LINE
"FAIR BLVD" LINE
"COYOTE RD" LINE
"CROSS RD" LINE
"RD 20" LINE
"RD 22" LINE
"RD 13" LINE
"HENRY MILLER RD" LINE
"INDIANA RD" LINE
"ROAD 4/LINCOLN RD" LINE
"AVE 23" LINE
"FRONTAGE RD" LINE
"AVE 22" LINE
"ROAD 24" LINE
"AVE 20½" LINE
"AVE 20" LINE



TYPICAL SECTION

AT STRUCTURE APPROACH



TYPICAL SECTION

AT RETAINED FILL

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

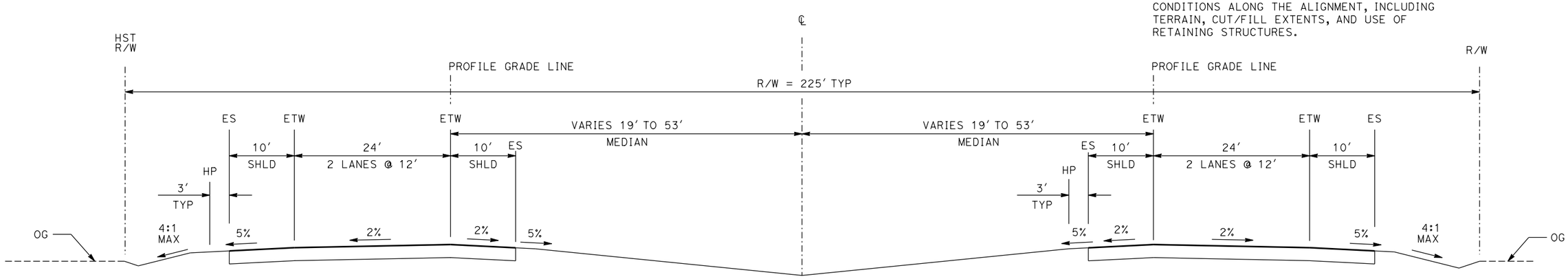
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 3

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

09-MAR-2016|1:17 MF-CV-B0080-A.dgn p005133A

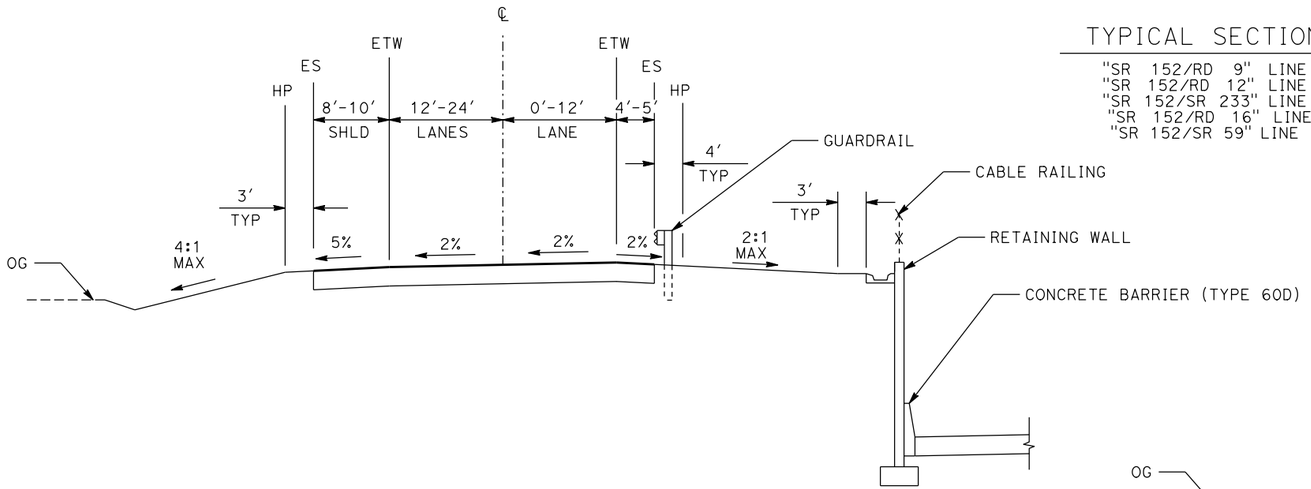
NOTES:

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



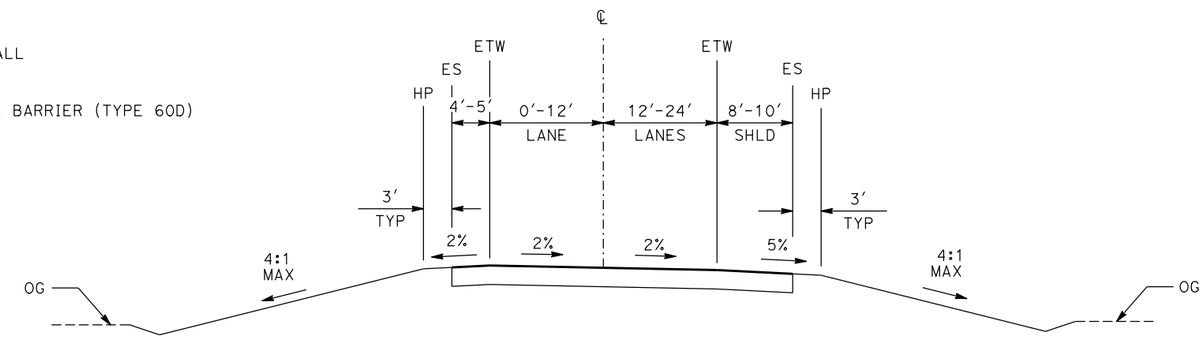
TYPICAL SECTION

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



TYPICAL SECTION

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



TYPICAL SECTION

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

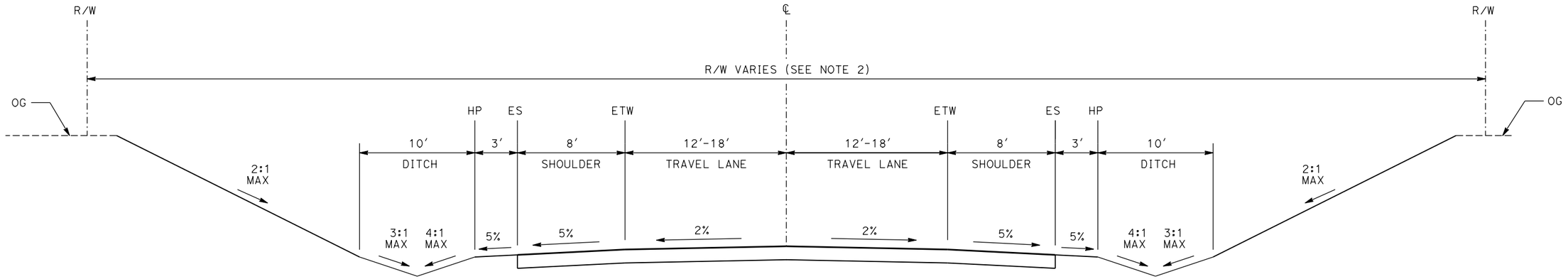
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 2 OF 3

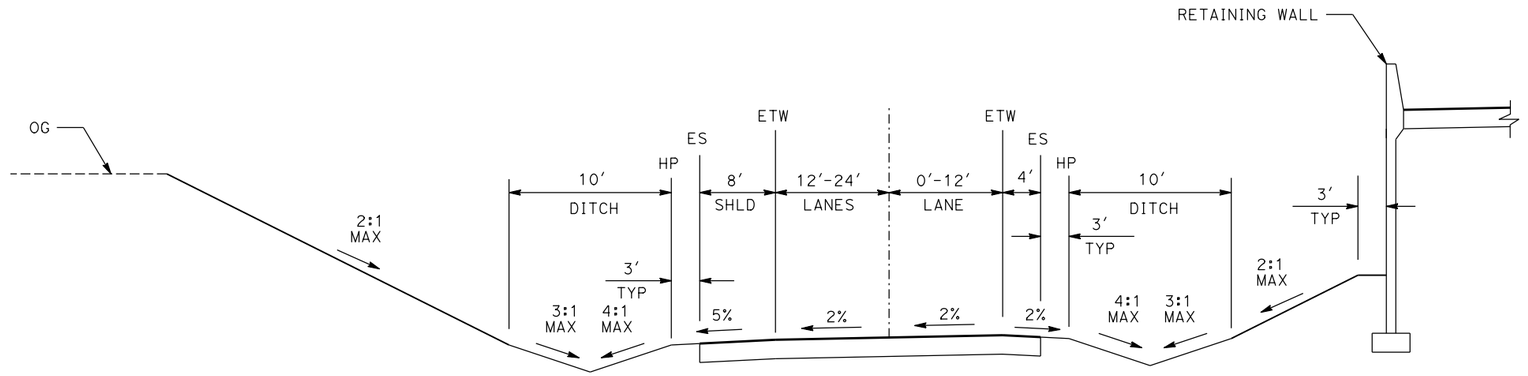
CONTRACT NO. HSR08-05
DRAWING NO. CV-B0081-A
SCALE NO SCALE
SHEET NO.

09-MAR-2016|1:18 MF-CV-B0081-A.dgn
p005133A



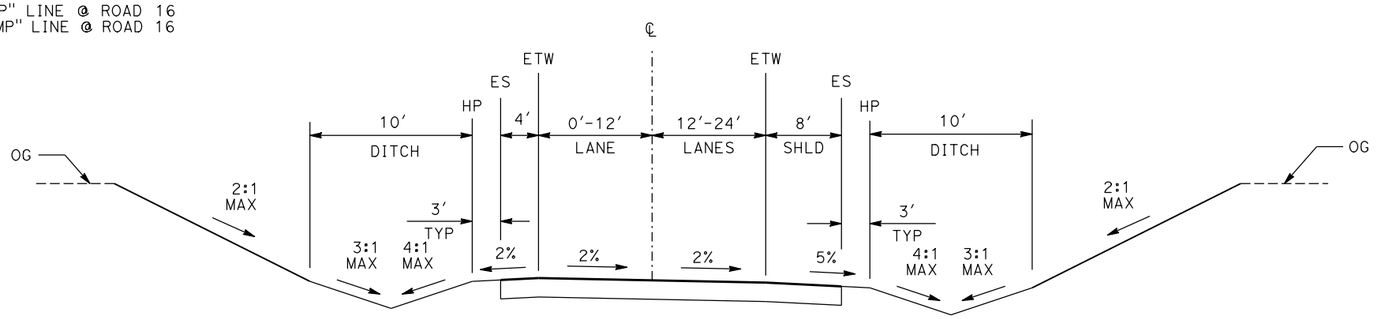
TYPICAL SECTION

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



TYPICAL SECTION

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



TYPICAL SECTION

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

NOTES:

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

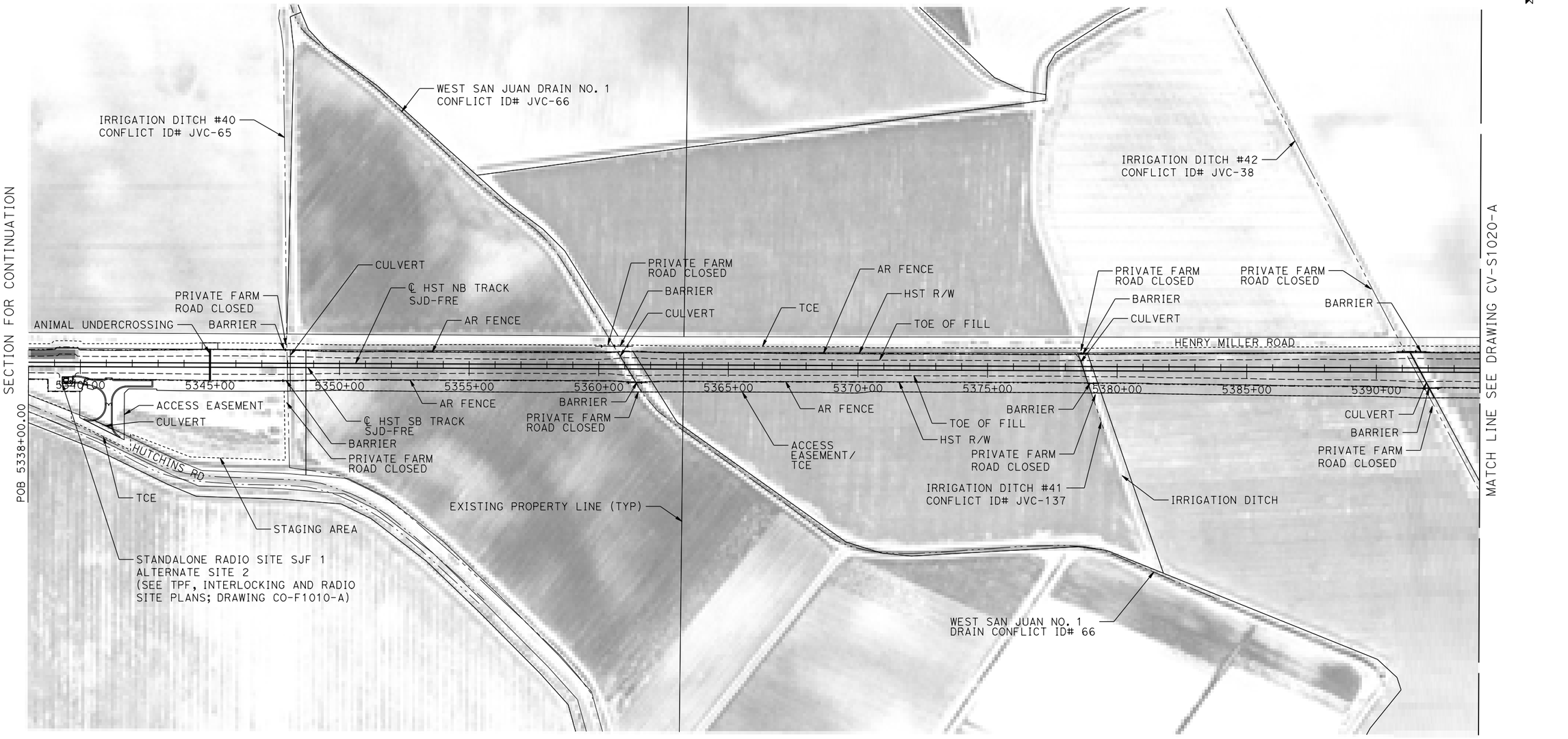
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-B0082-A.dgn
07-SEP-2016 10:21
p0021811

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

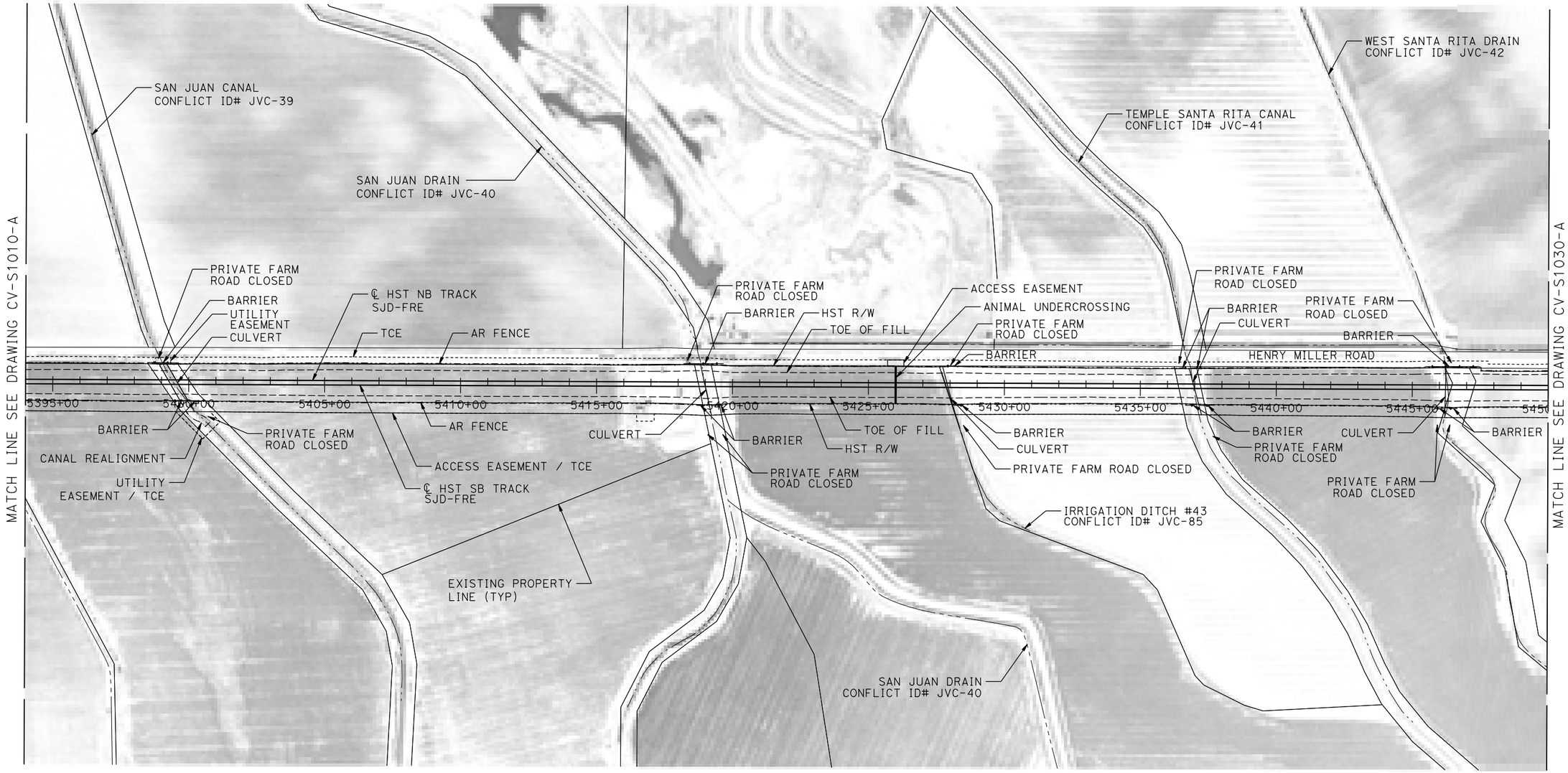
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5338+00 TO 5394+00

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

09-MAR-2016 4:18
MF-CV-S1010-A.dgn
p0051334

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

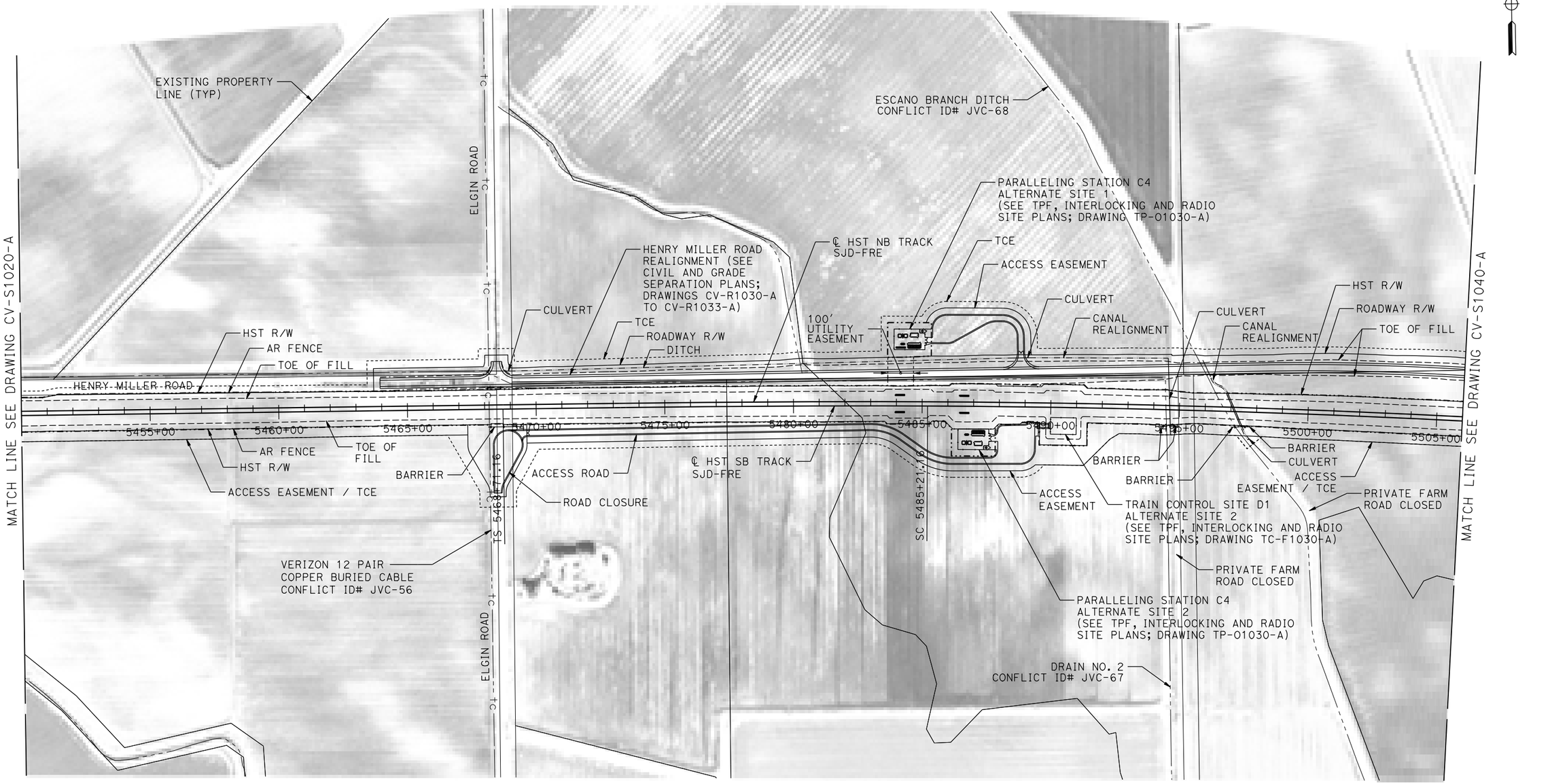
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5394+00 TO 5450+00

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

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

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

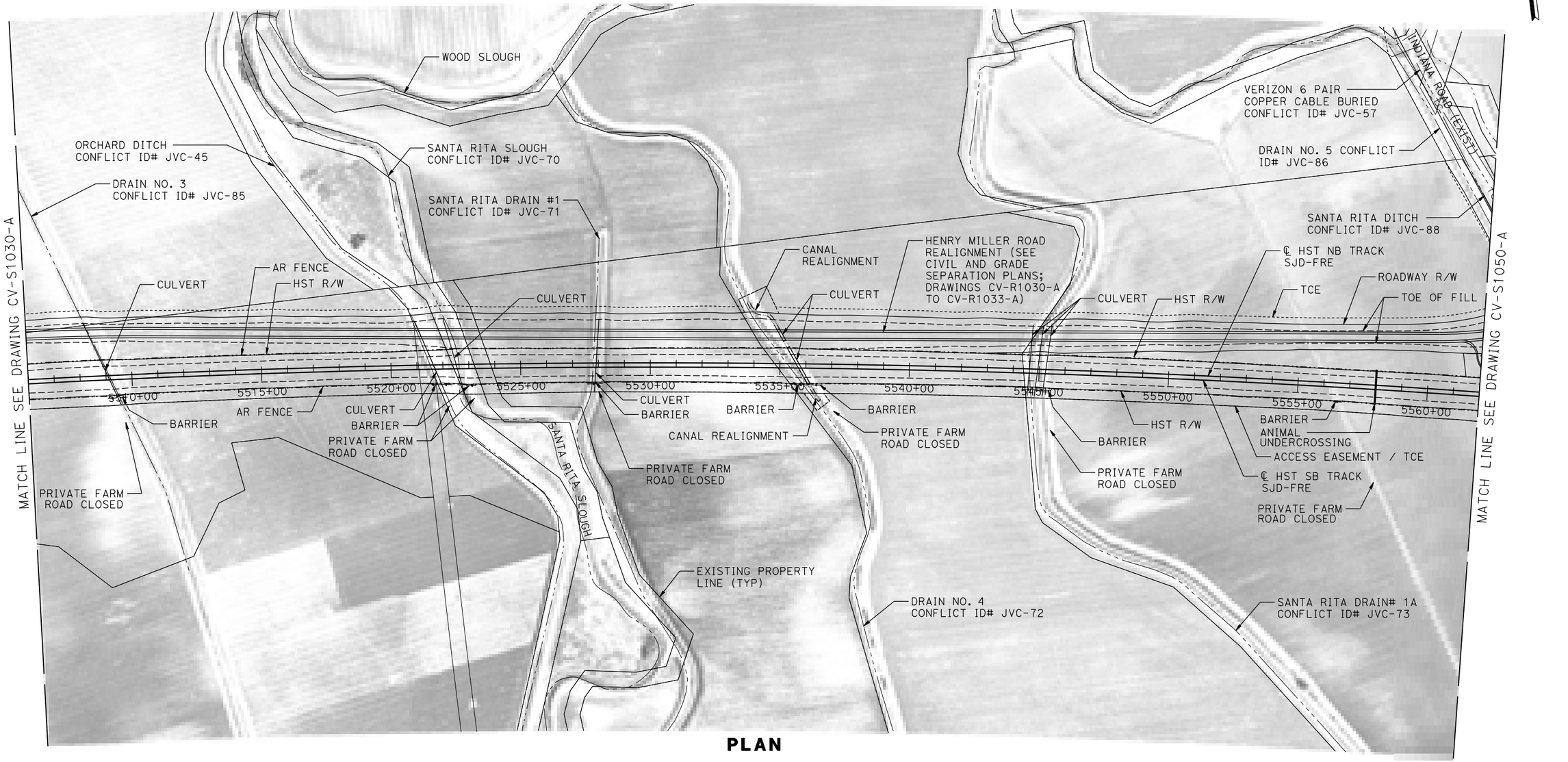
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5450+00 TO 5506+00

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

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

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

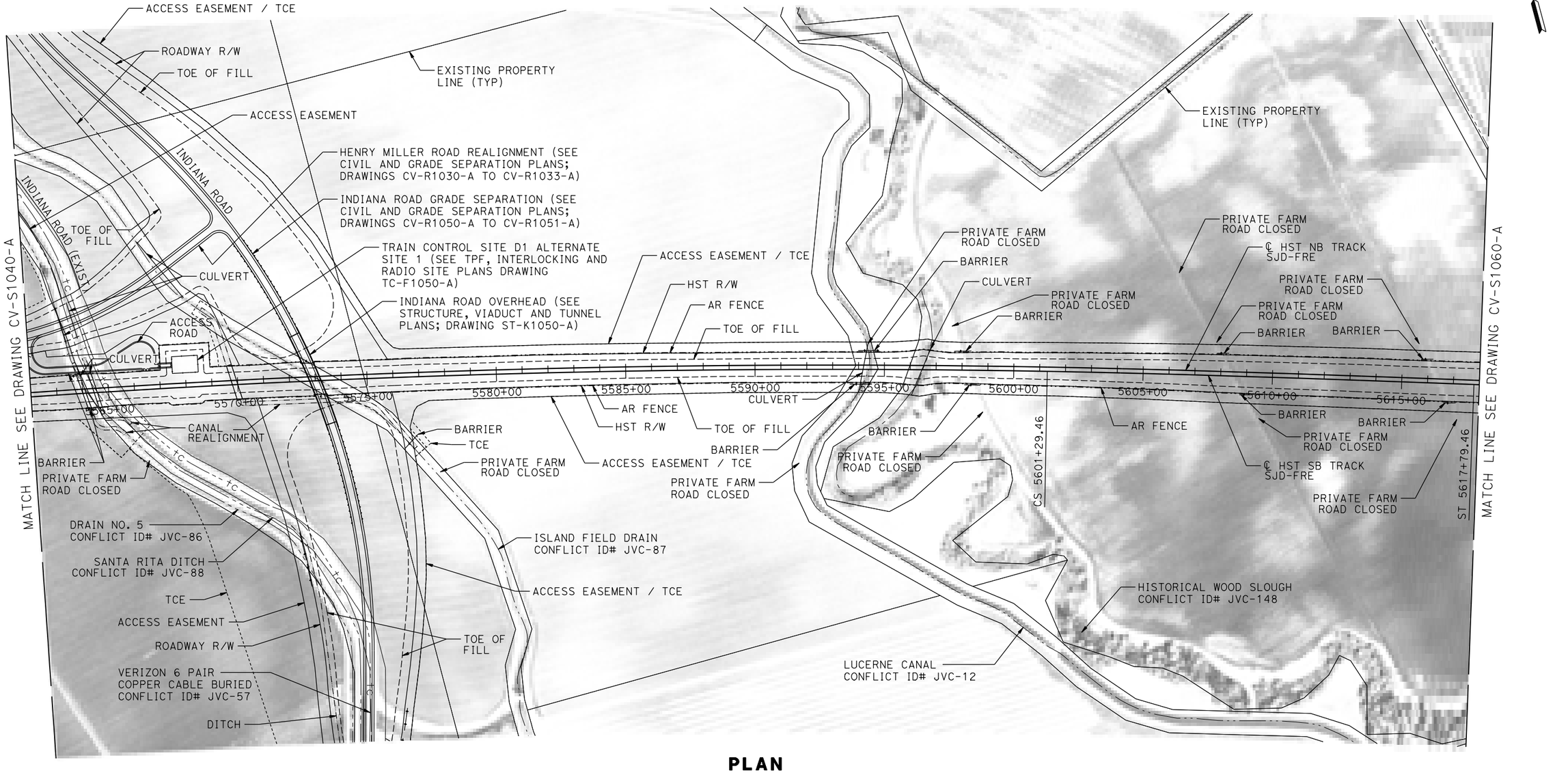
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5506+00 TO 5562+00

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

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

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5562+00 TO 5618+00

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

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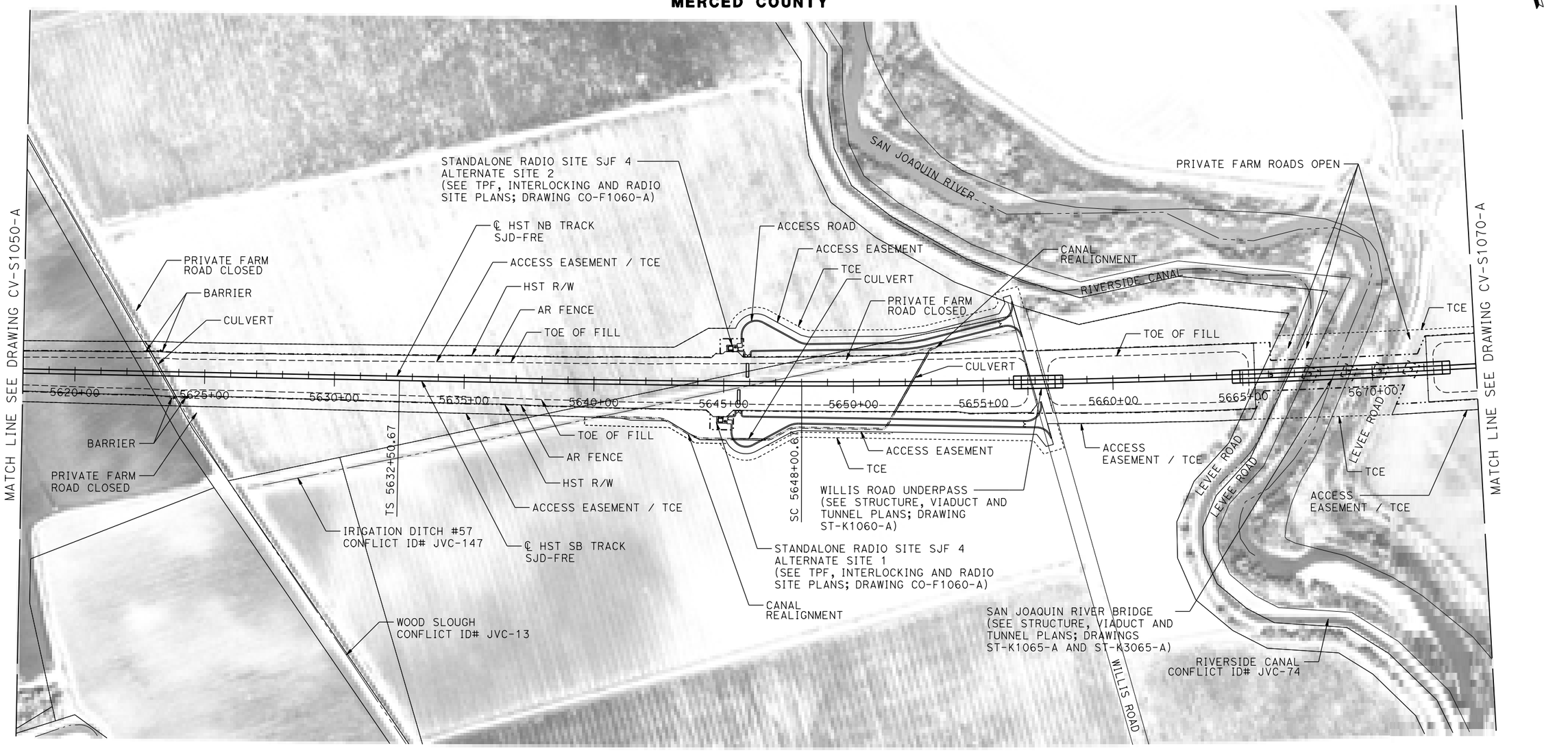
MF-CV-S1050-A.dgn
p0042226

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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PARSONS

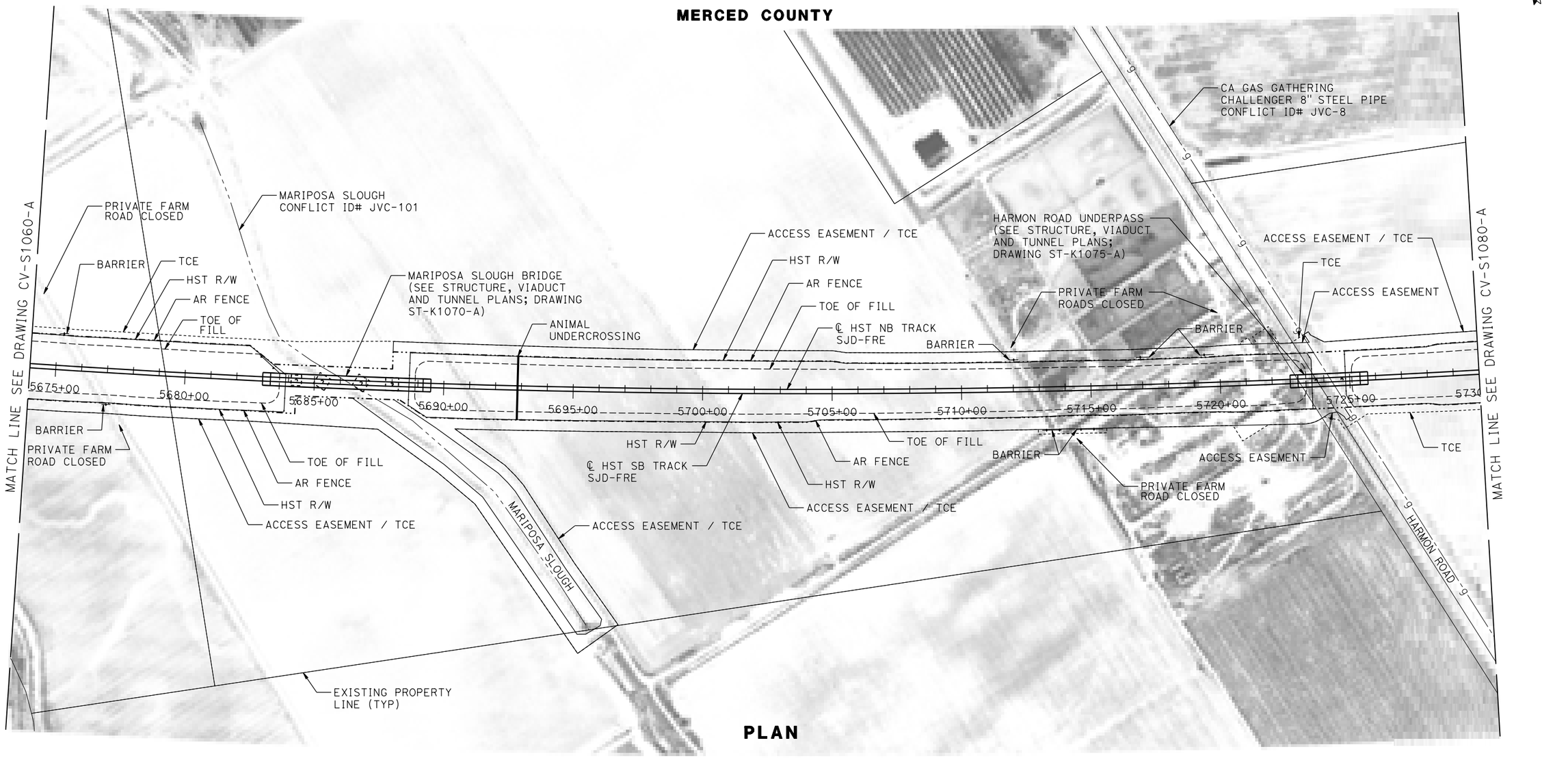
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5618+00 TO 5674+00

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

15-MAR-2016 13:38 MF-CV-S1060-A.dgn p0042226



PLAN

200 0 200 400
1"=200'

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

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

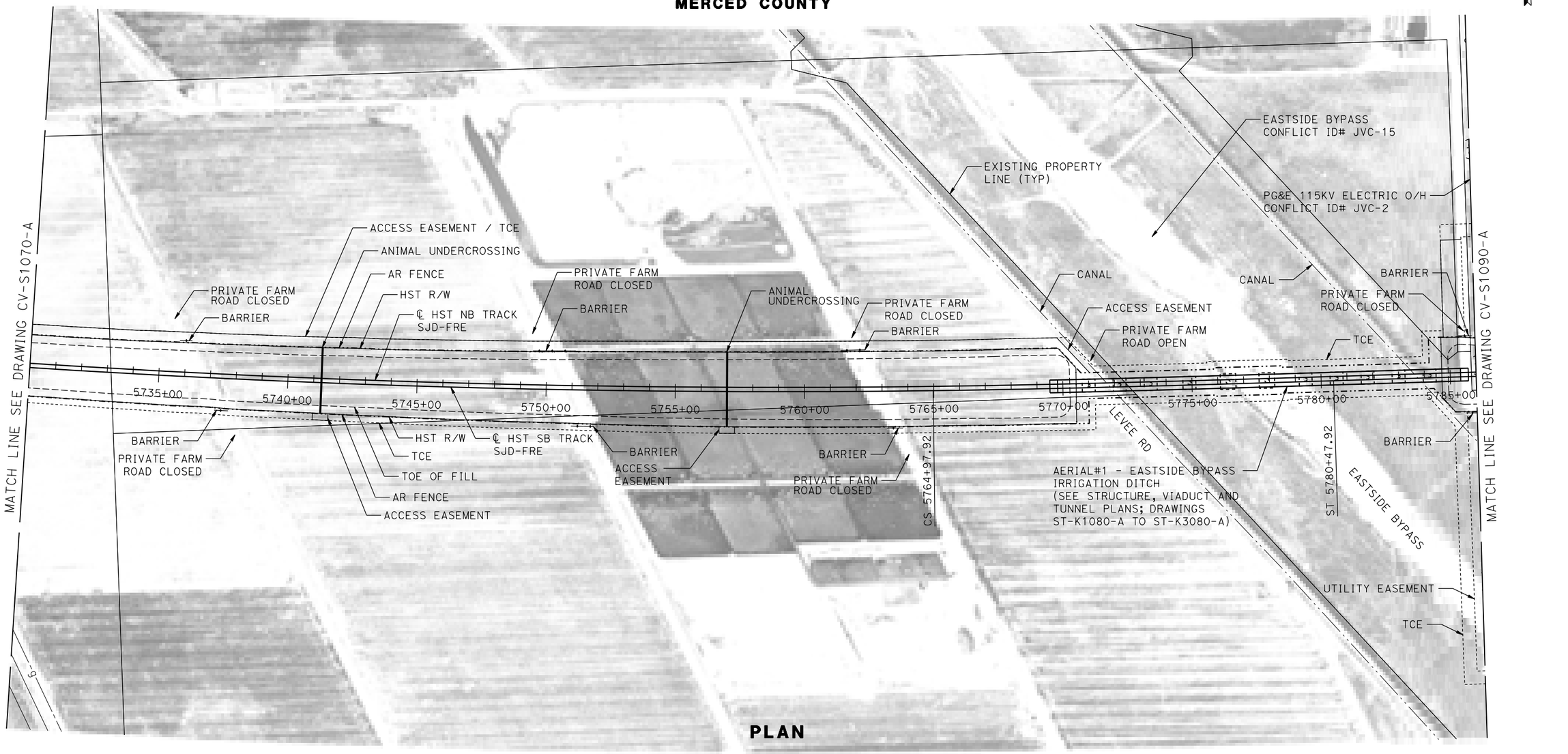
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5674+00 TO 5730+00

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

09-MAR-2016 4:25
MF-CV-S1070-A.dgn
p0051133A

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

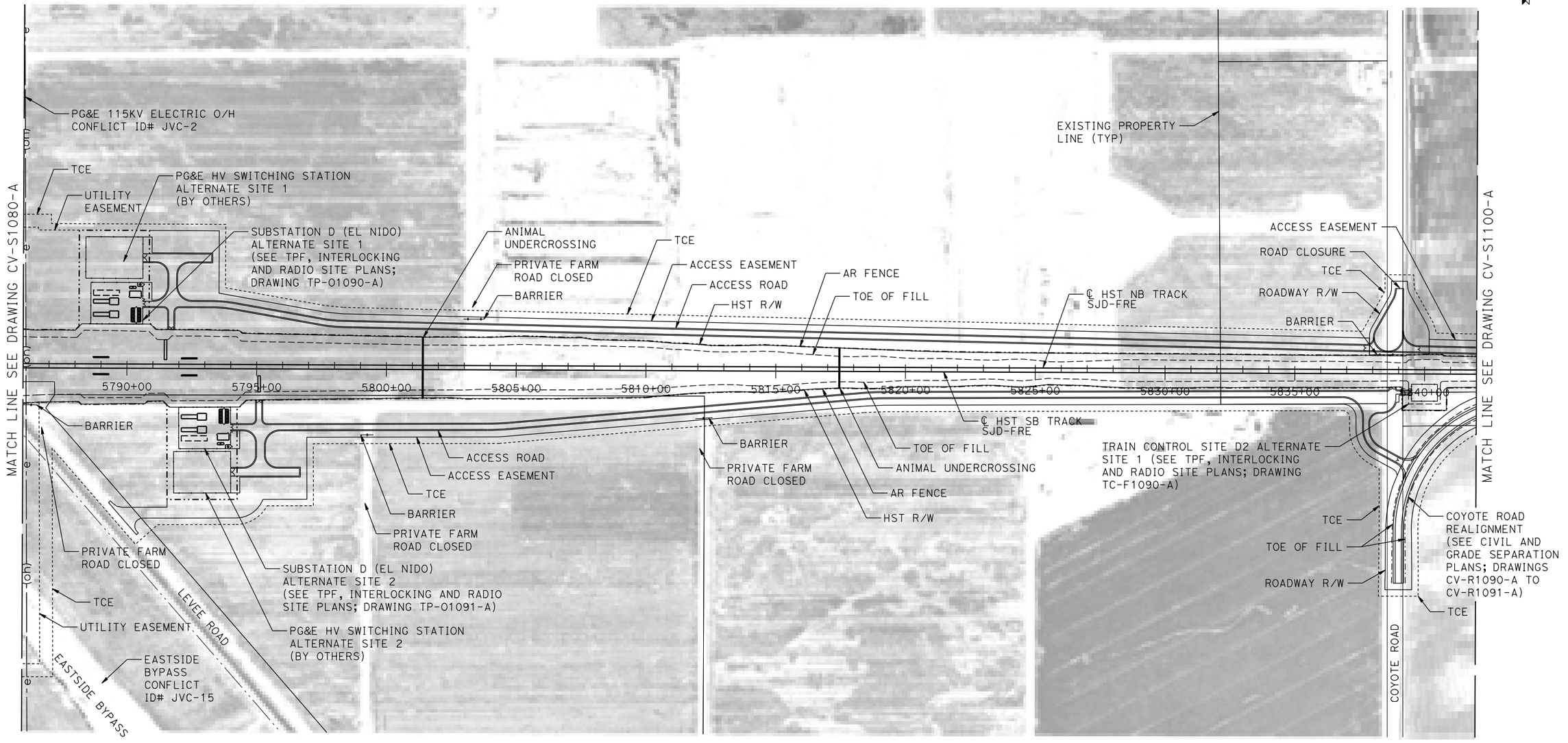
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5730+00 TO 5786+00

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

09-MAR-2016 4:26
MF-CV-S1080-A.dgn
p0051133A

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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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PARSONS

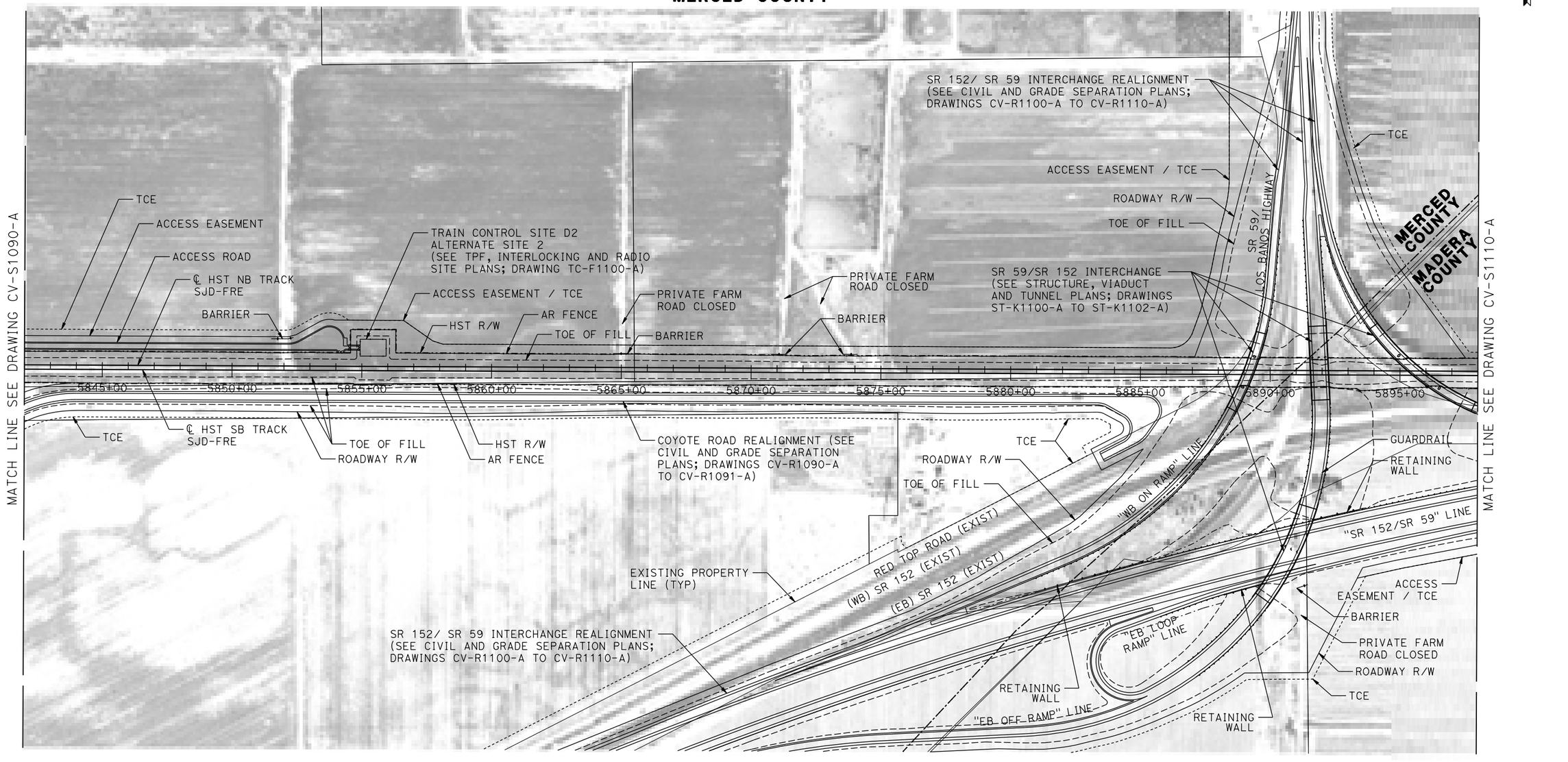
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5786+00 TO 5842+00

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

MF-CV-S1090-A.dgn
09-MAR-2016 14:28
p0051133A



PLAN

200 0 200 400
1"=200'

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

PARSONS

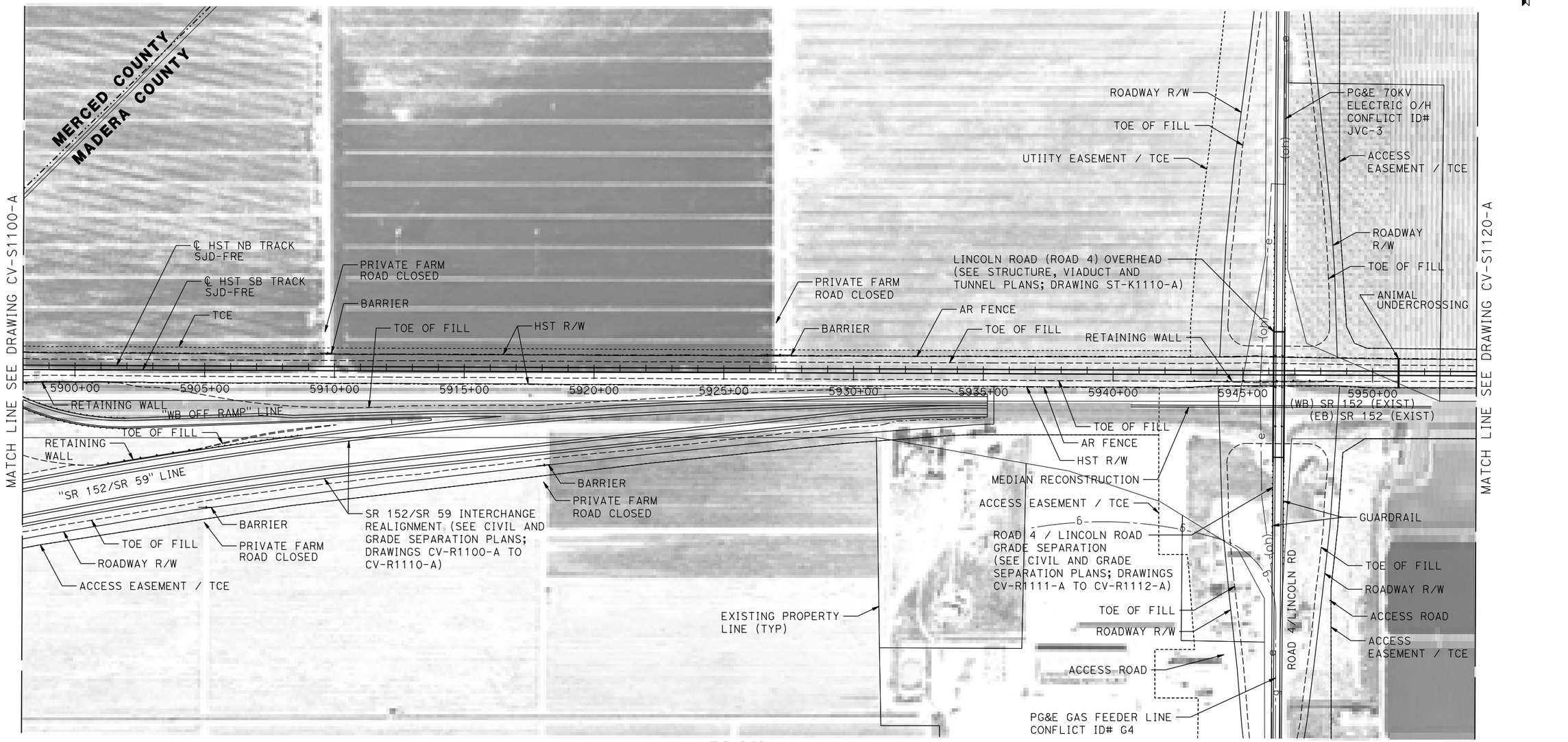
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

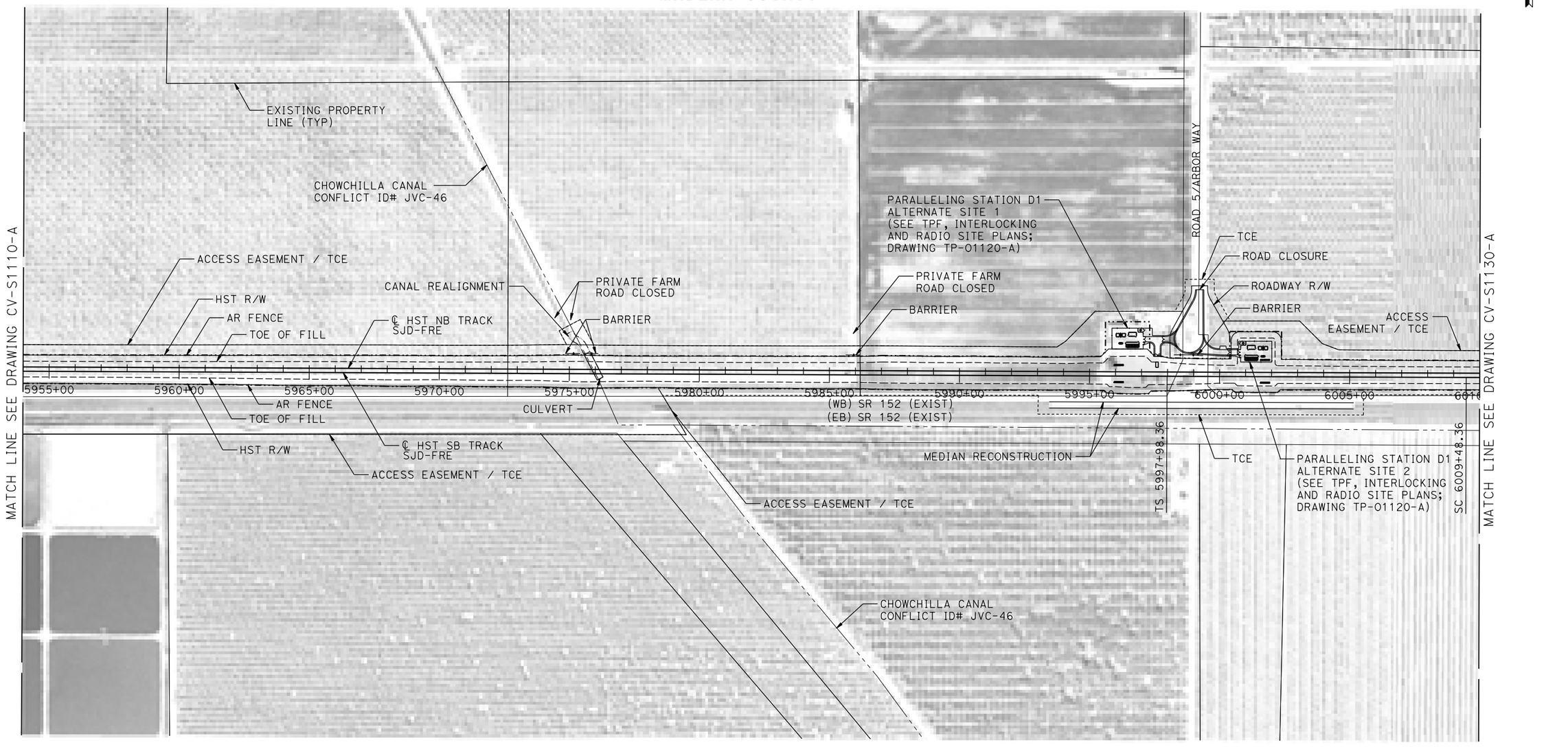
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5898+00 TO 5954+00

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

15-MAR-2016 3:40 MF-CV-S1110-A.dgn p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

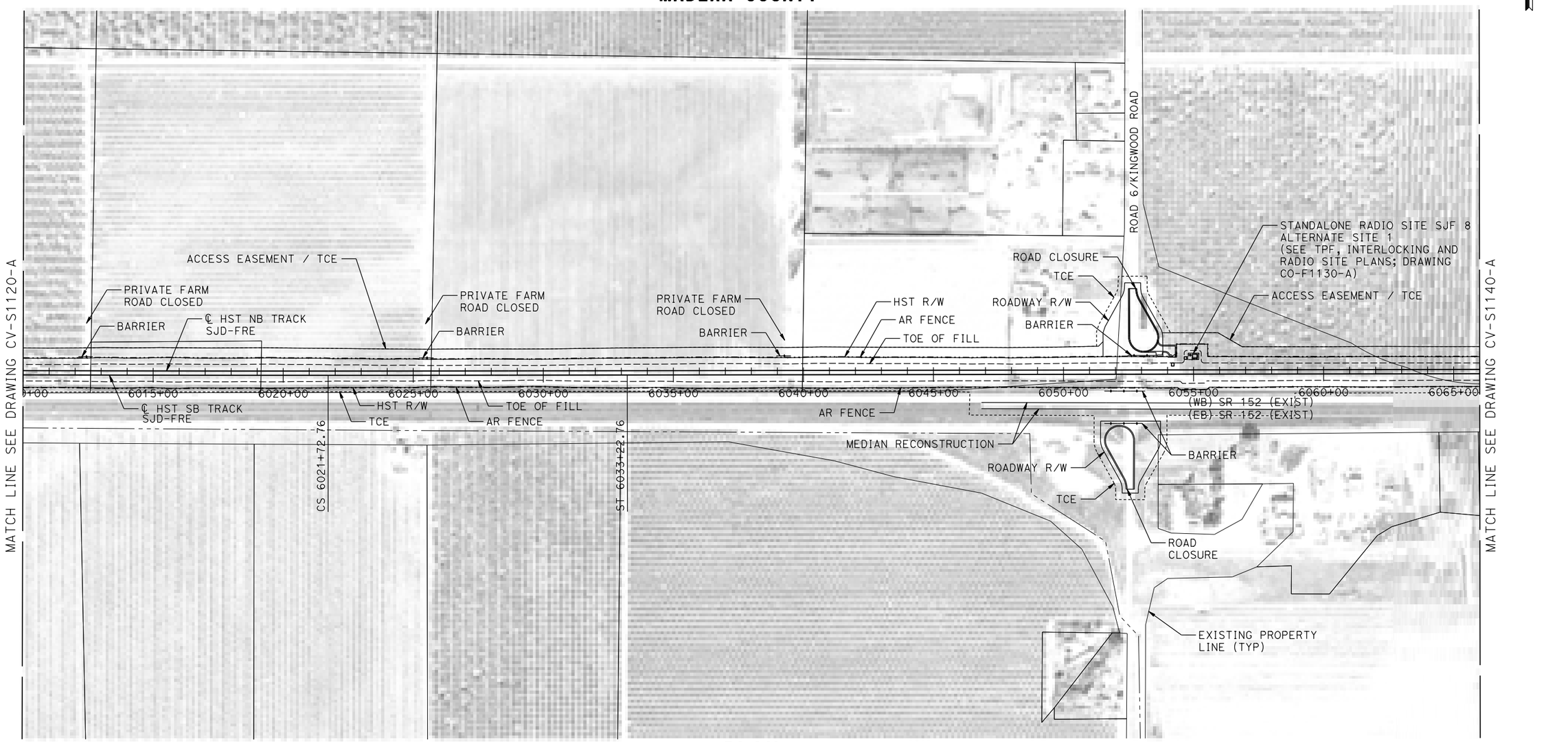
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 5954+00 TO 6010+00

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

MF-CV-S1120-A.dgn
15-MAR-2016 13:41
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

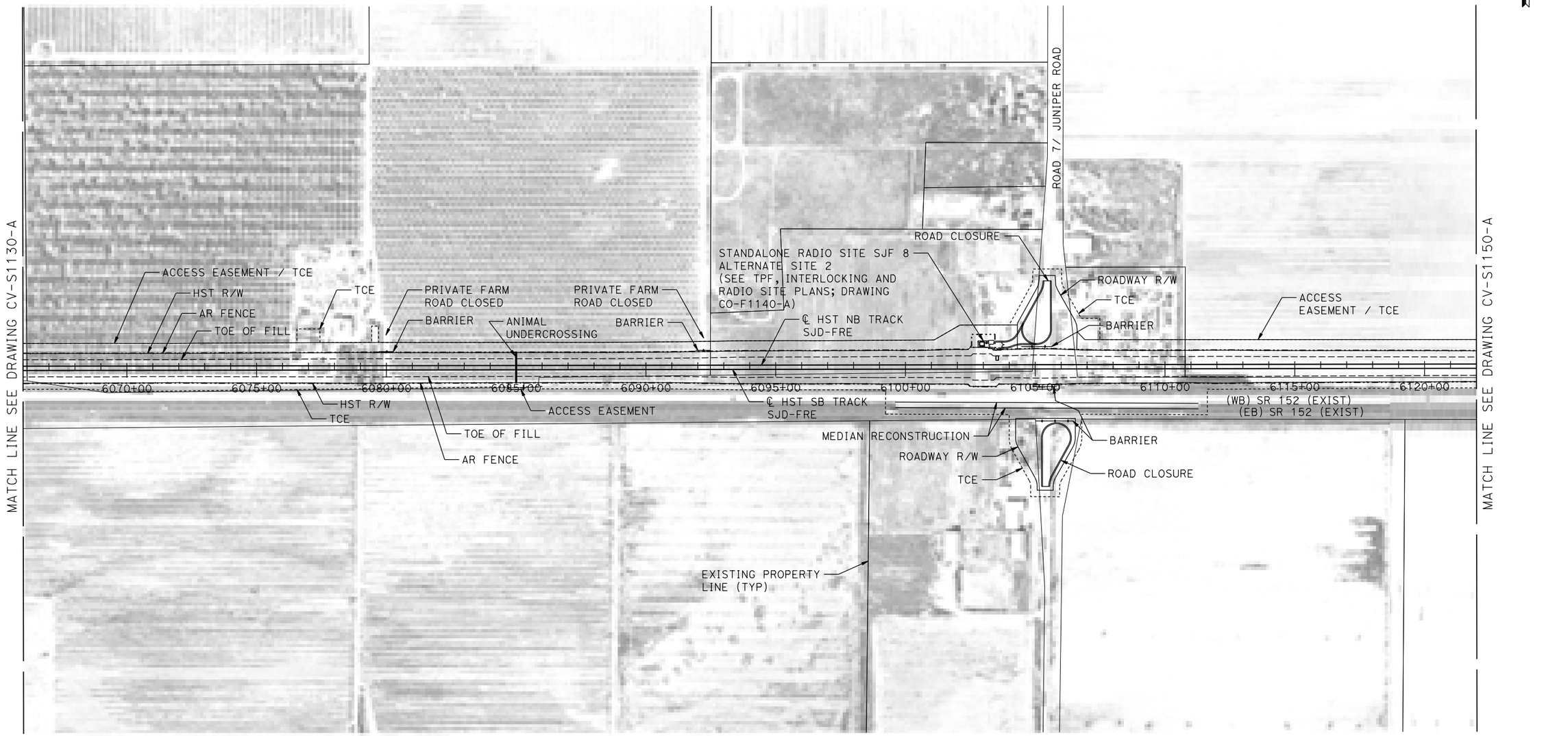
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-S1130-A.dgn
16-MAR-2016 2:27
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

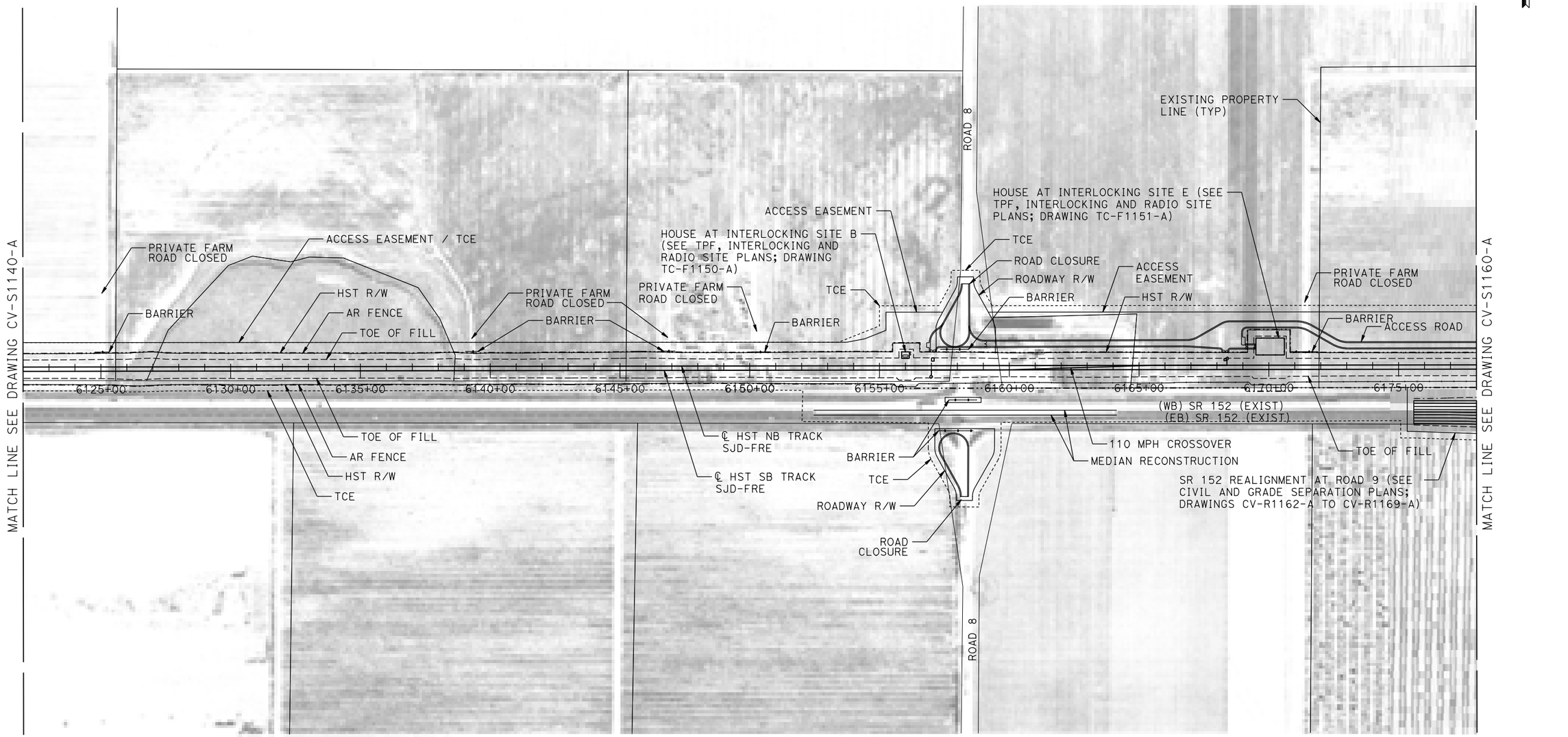
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

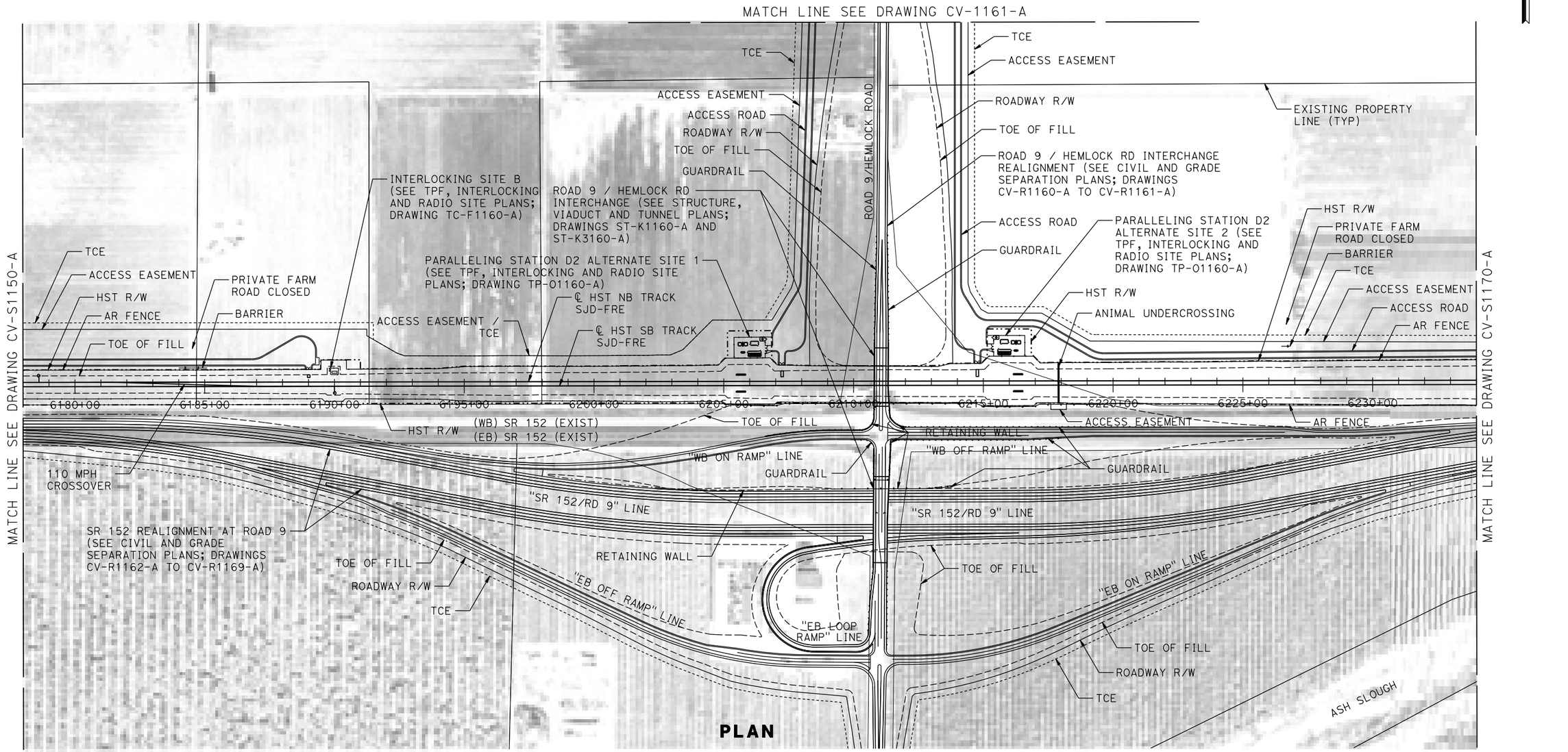
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

15-MAR-2016 3:44 MF-CV-S1150-A.dgn p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

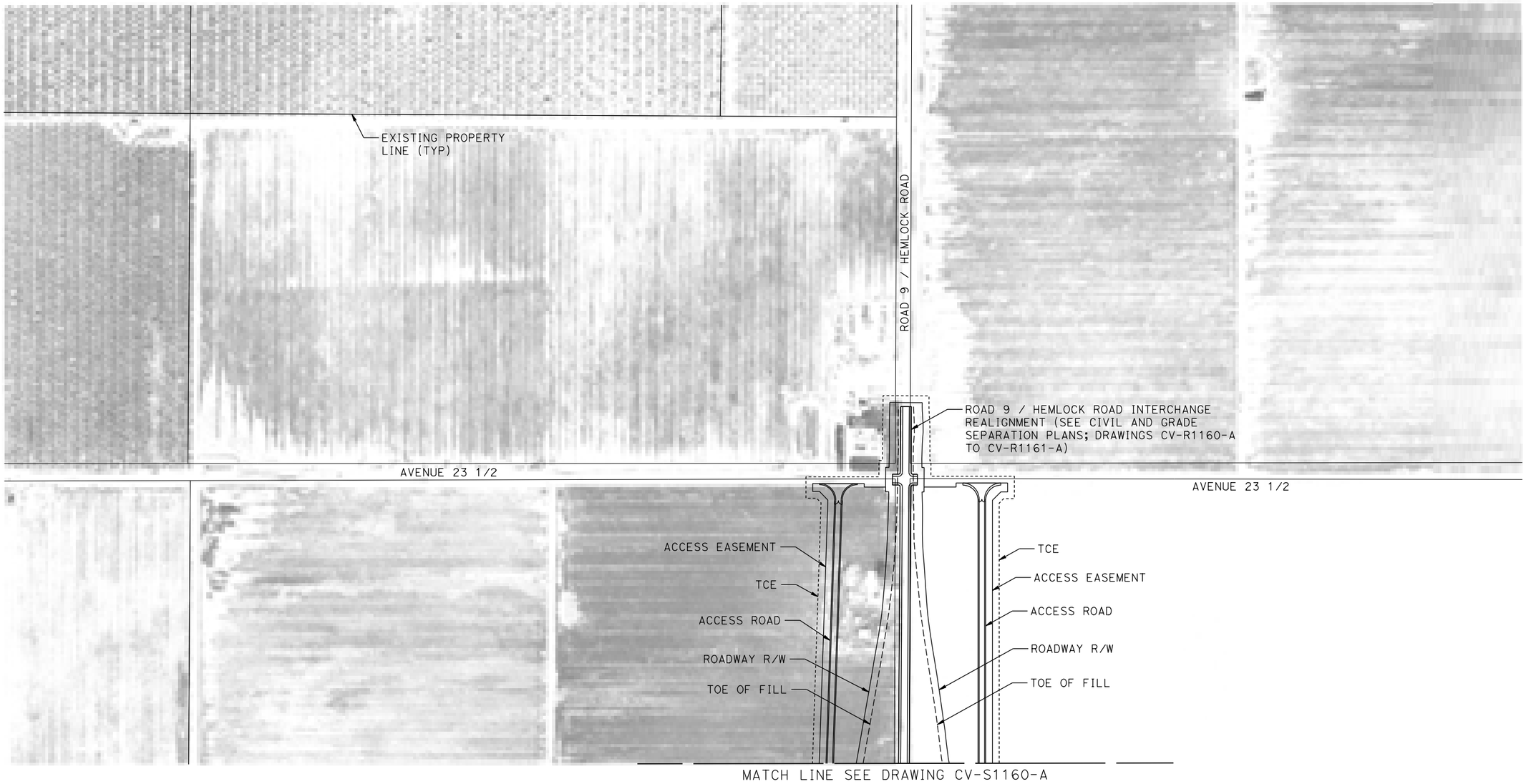
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-S1160-A.dgn
16-MAR-2016 12:29
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

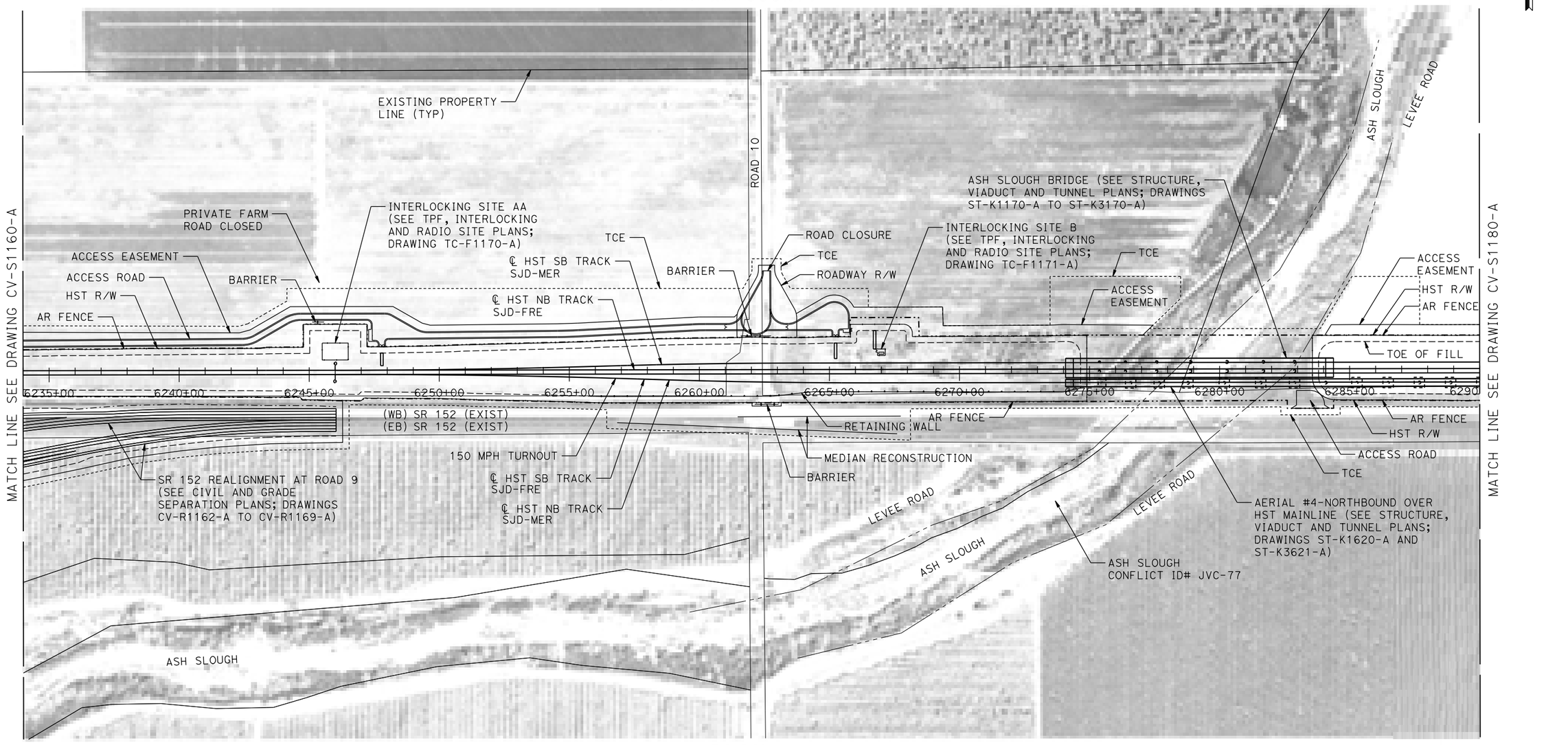
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

MF-CV-S1161-A.dgn
18-MAR-2016 1:12
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

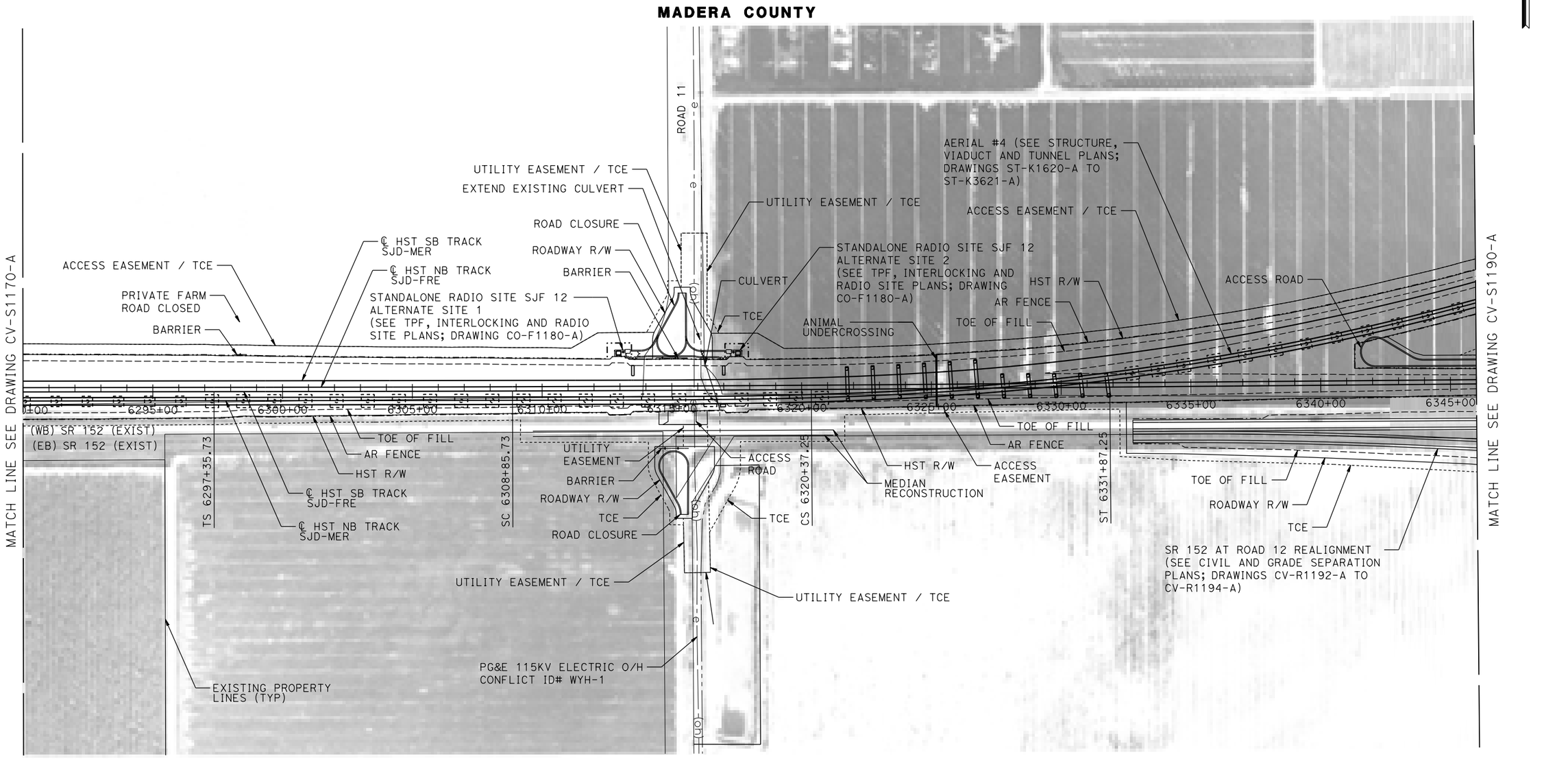
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6234+00 TO 6290+00

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

MF-CV-S1170-A.dgn
18-MAR-2016 1:17
p0042226



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

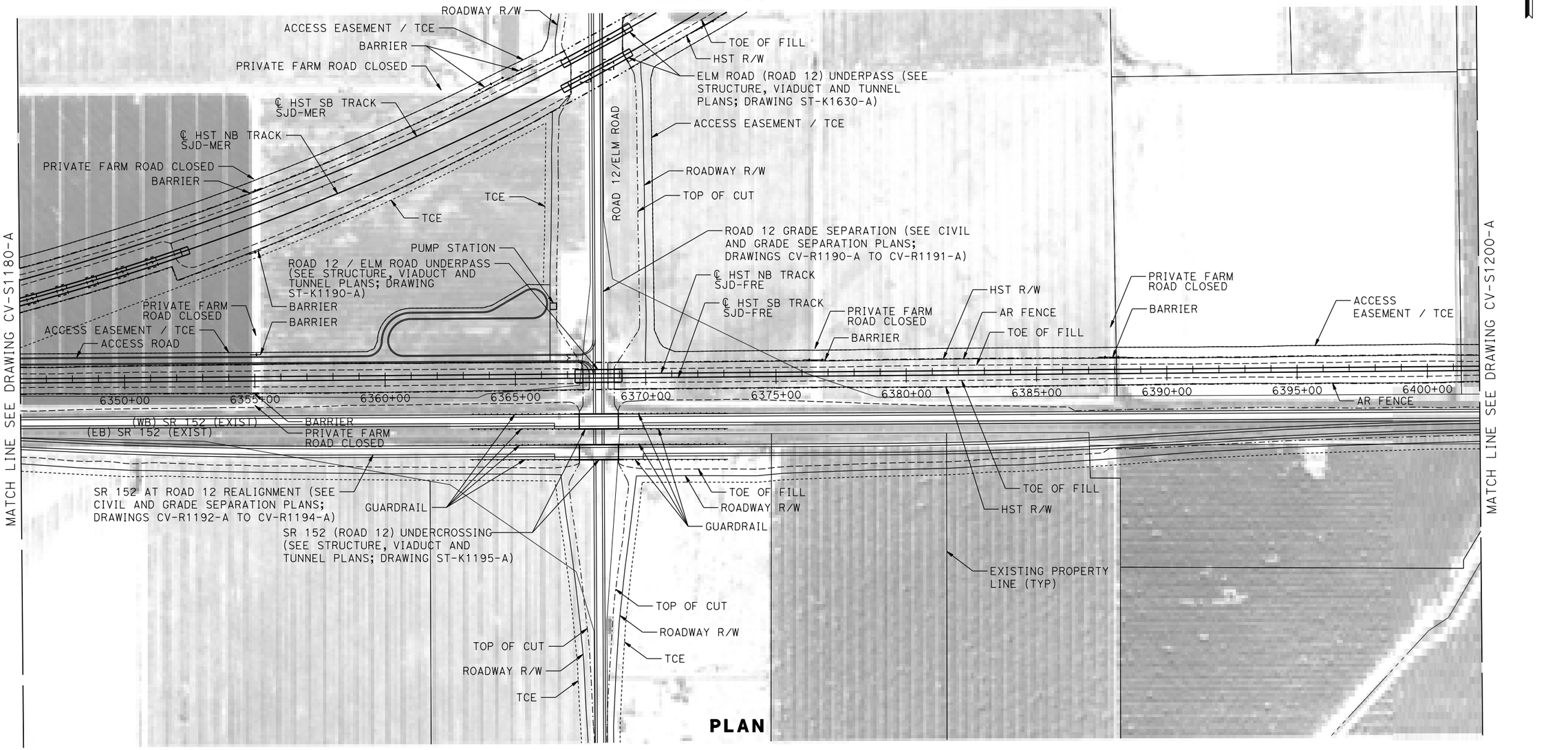
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6290+00 TO 6346+00

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

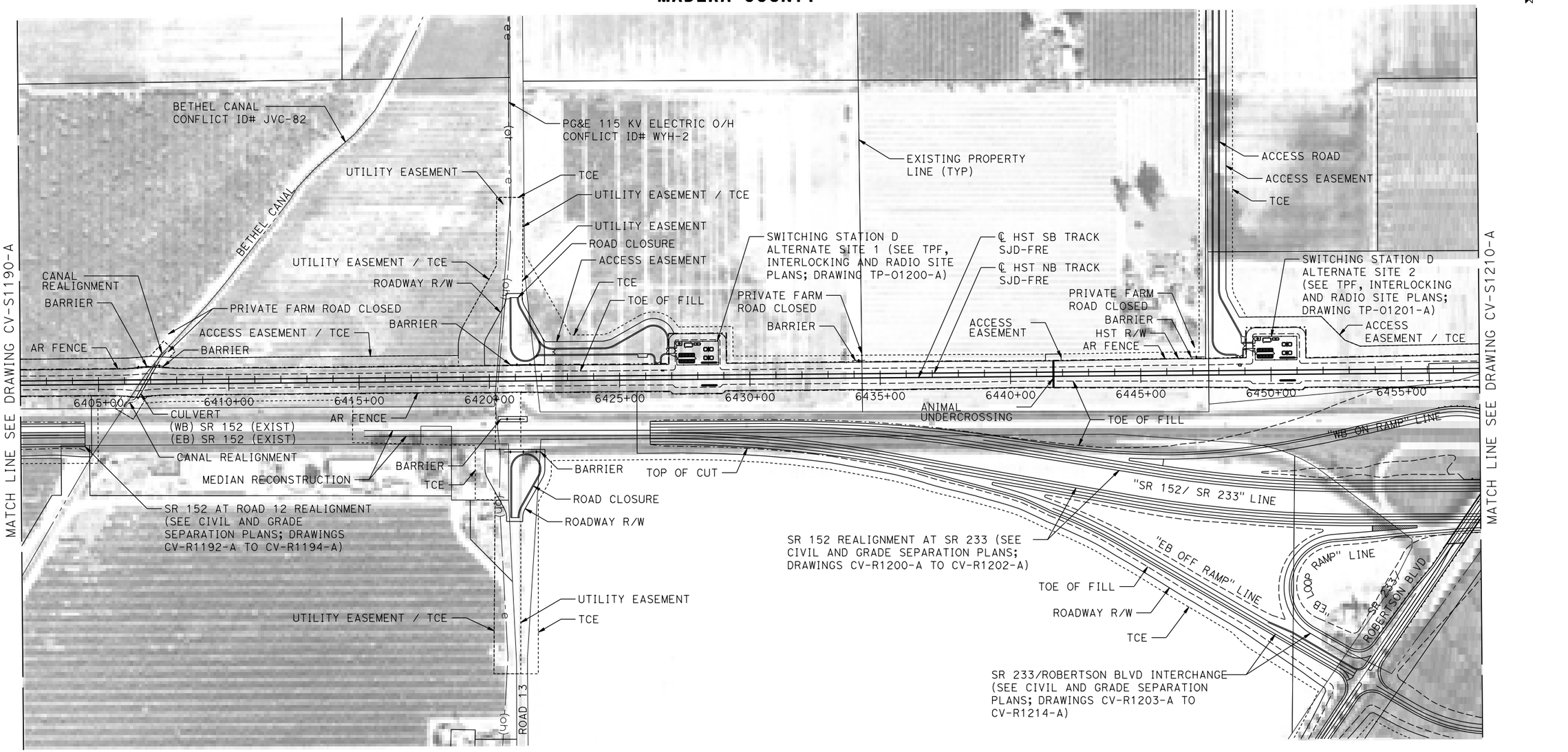
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6346+00 TO 6402+00

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

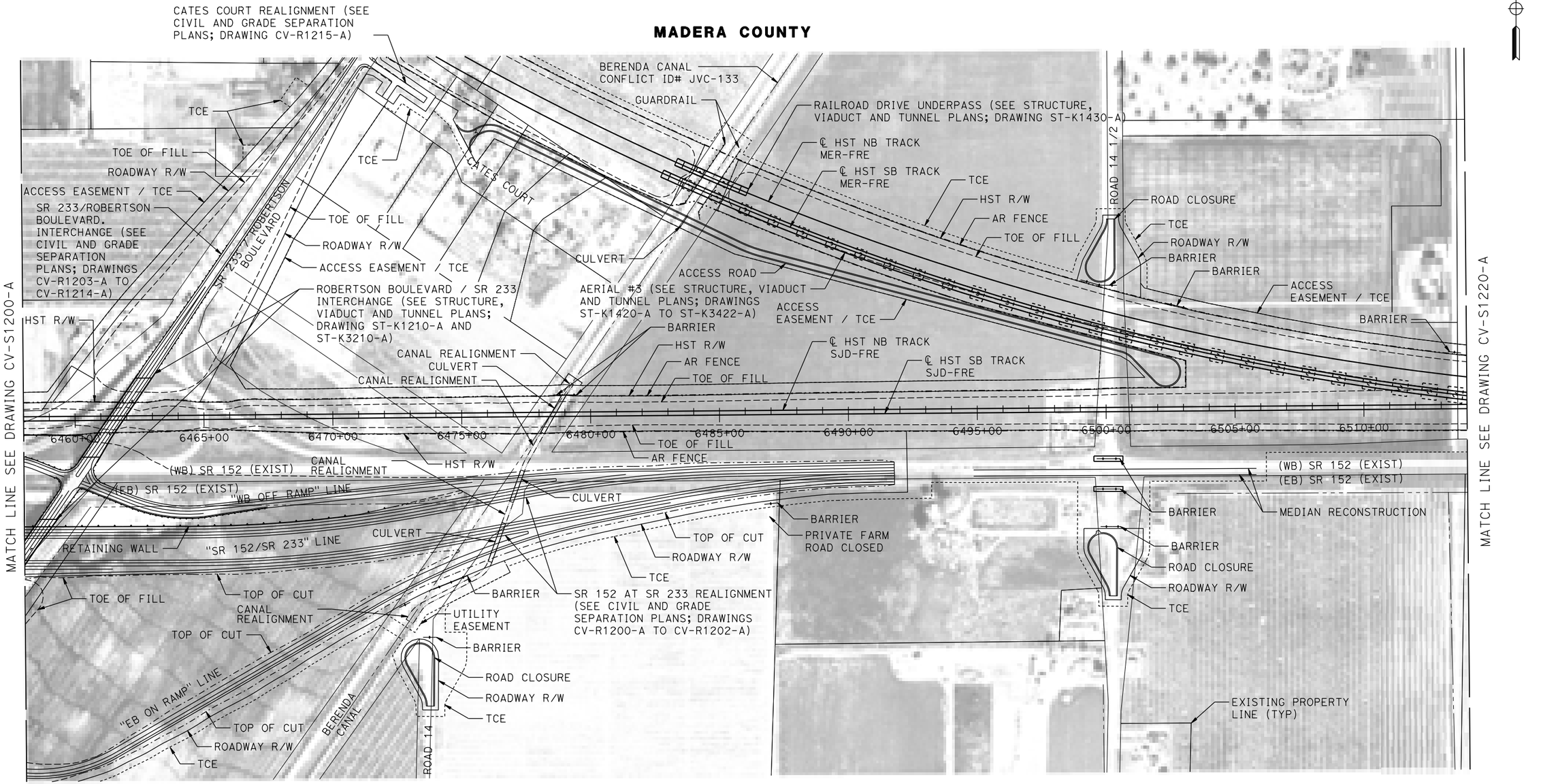
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6402+00 TO 6458+00

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

MF-CV-S1200-A.dgn
16-MAR-2016 12:30
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

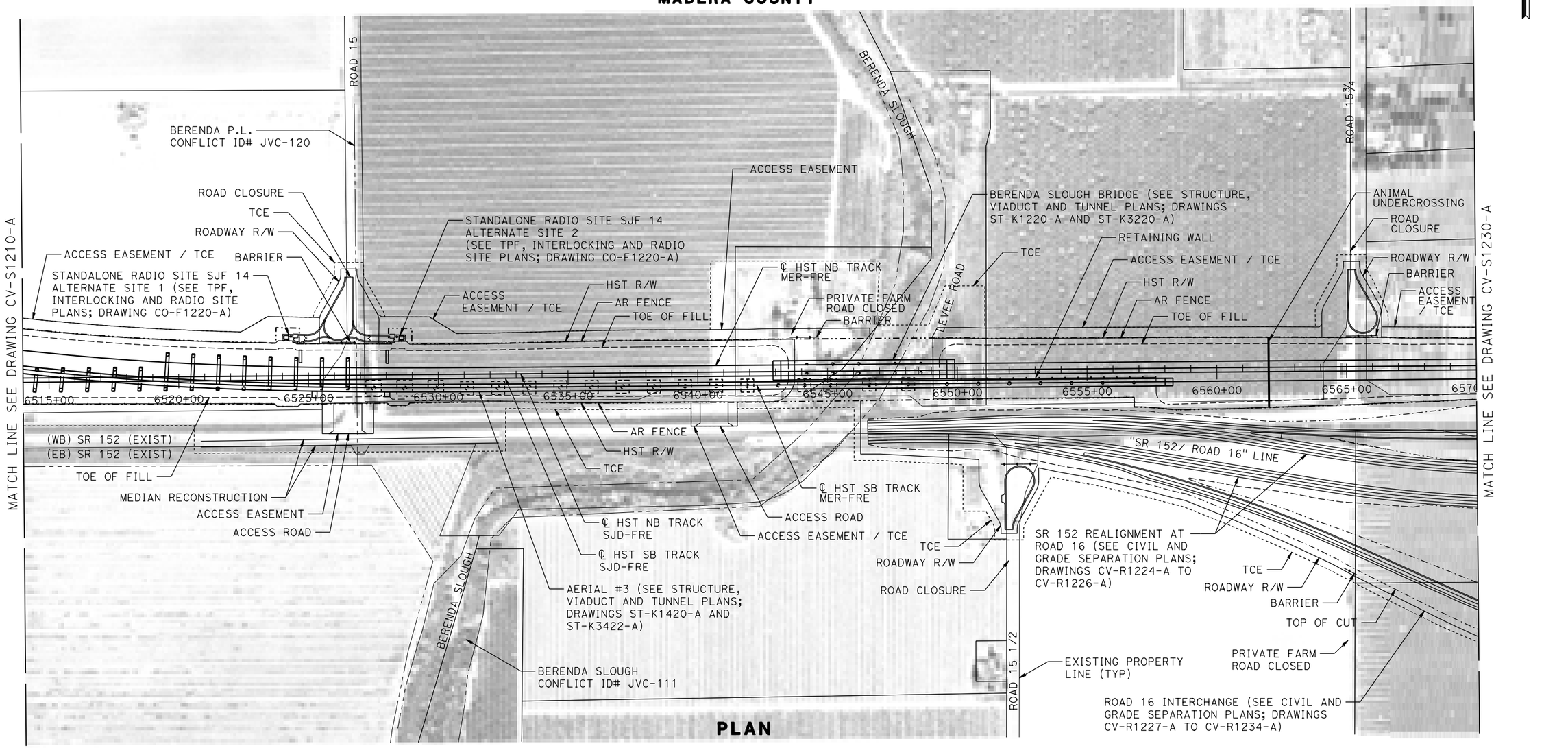
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6458+00 TO 6514+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1210-A
SCALE 1"=200'
SHEET NO.

18-MAR-2016 11:26
MF-CV-S1210-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

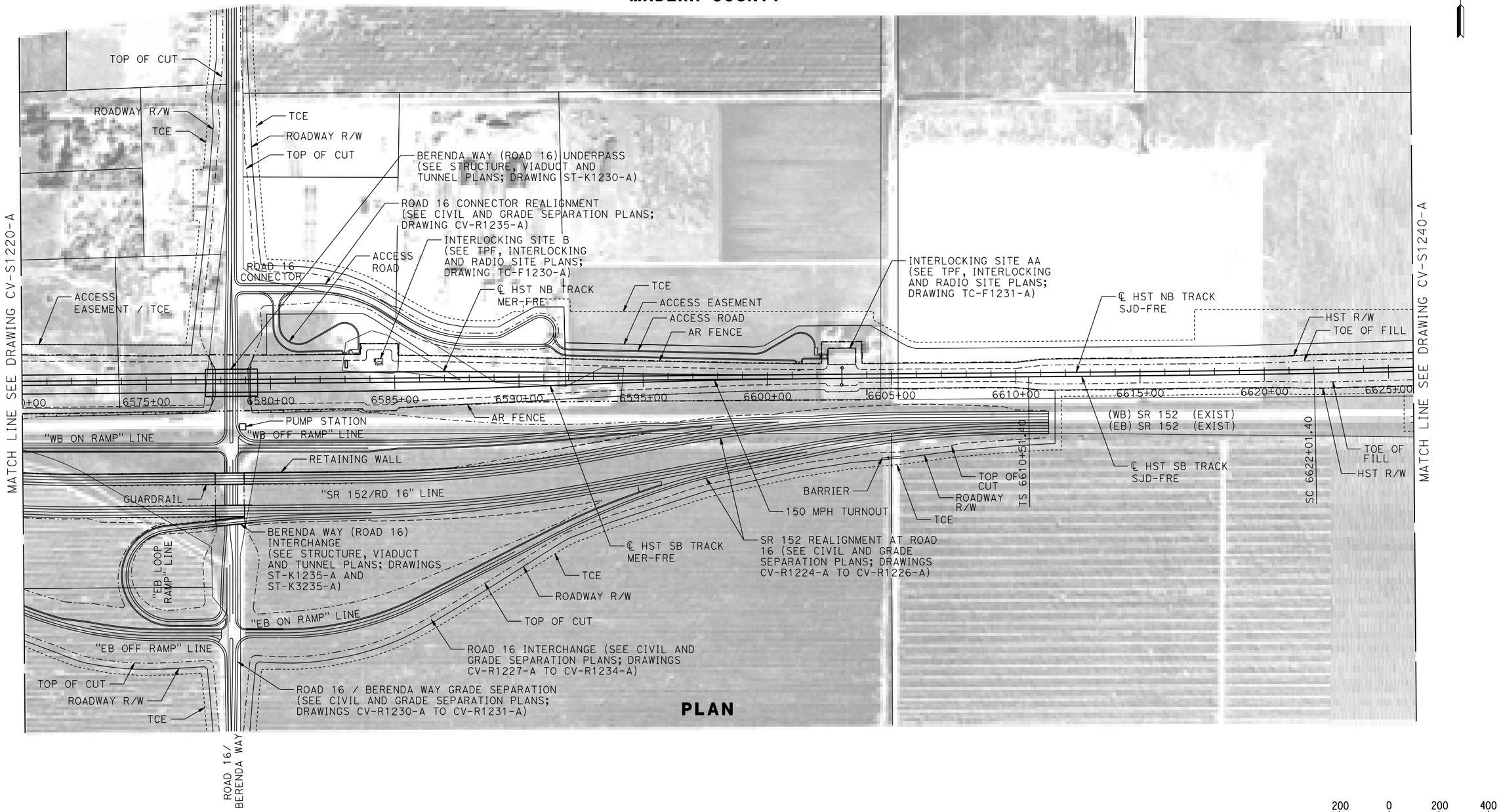
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6514+00 TO 6570+00

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6570+00 TO 6626+00

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

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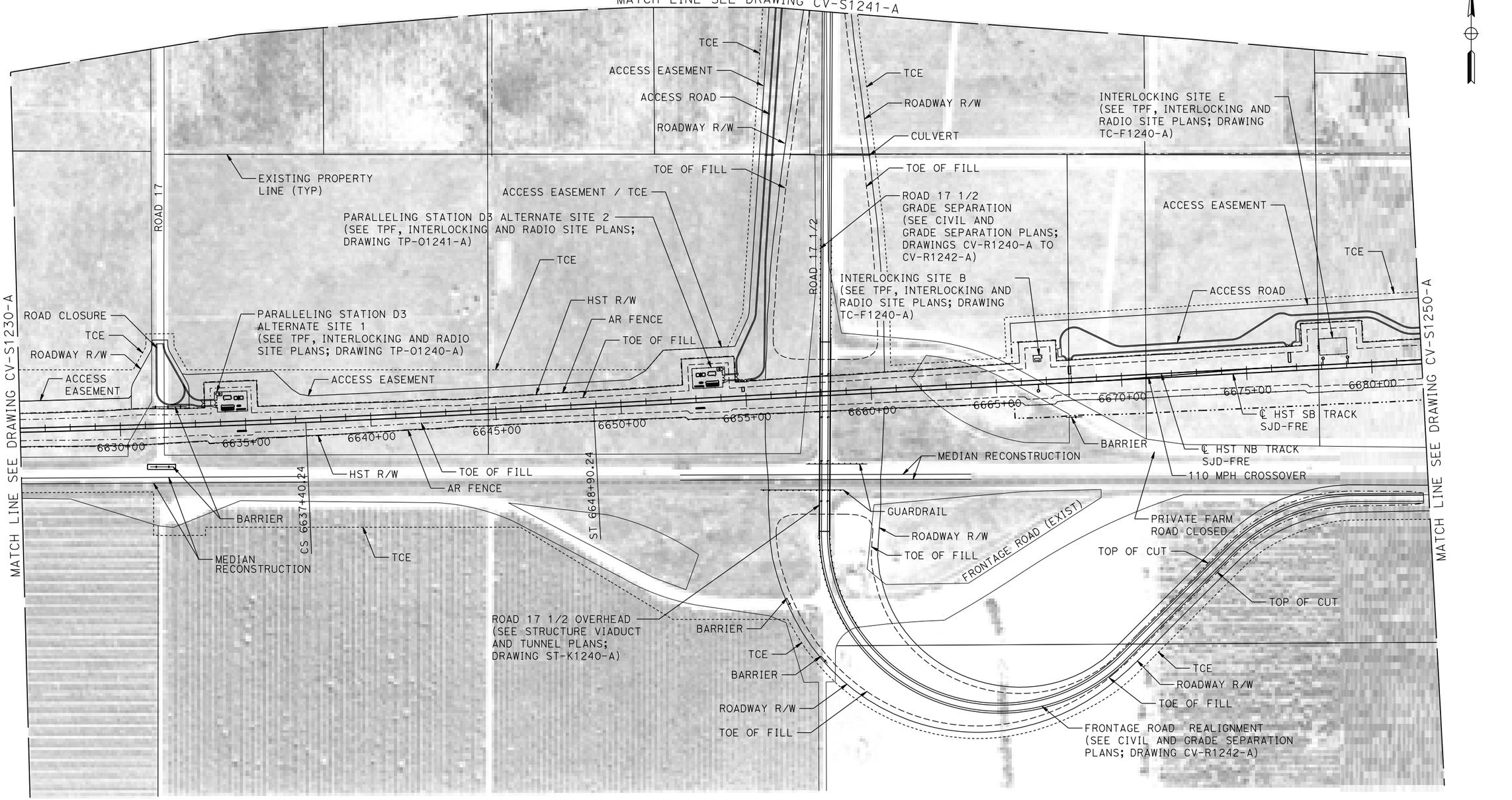
MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

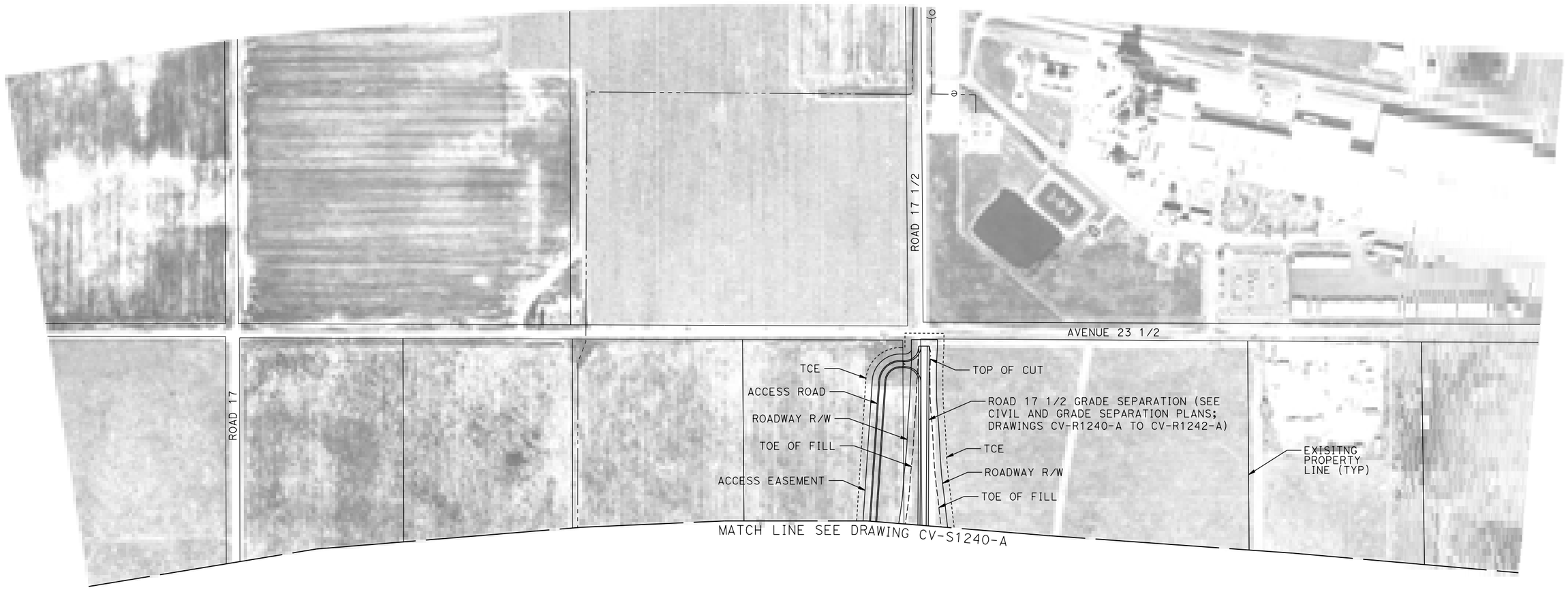
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6626+00 TO 6682+00

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

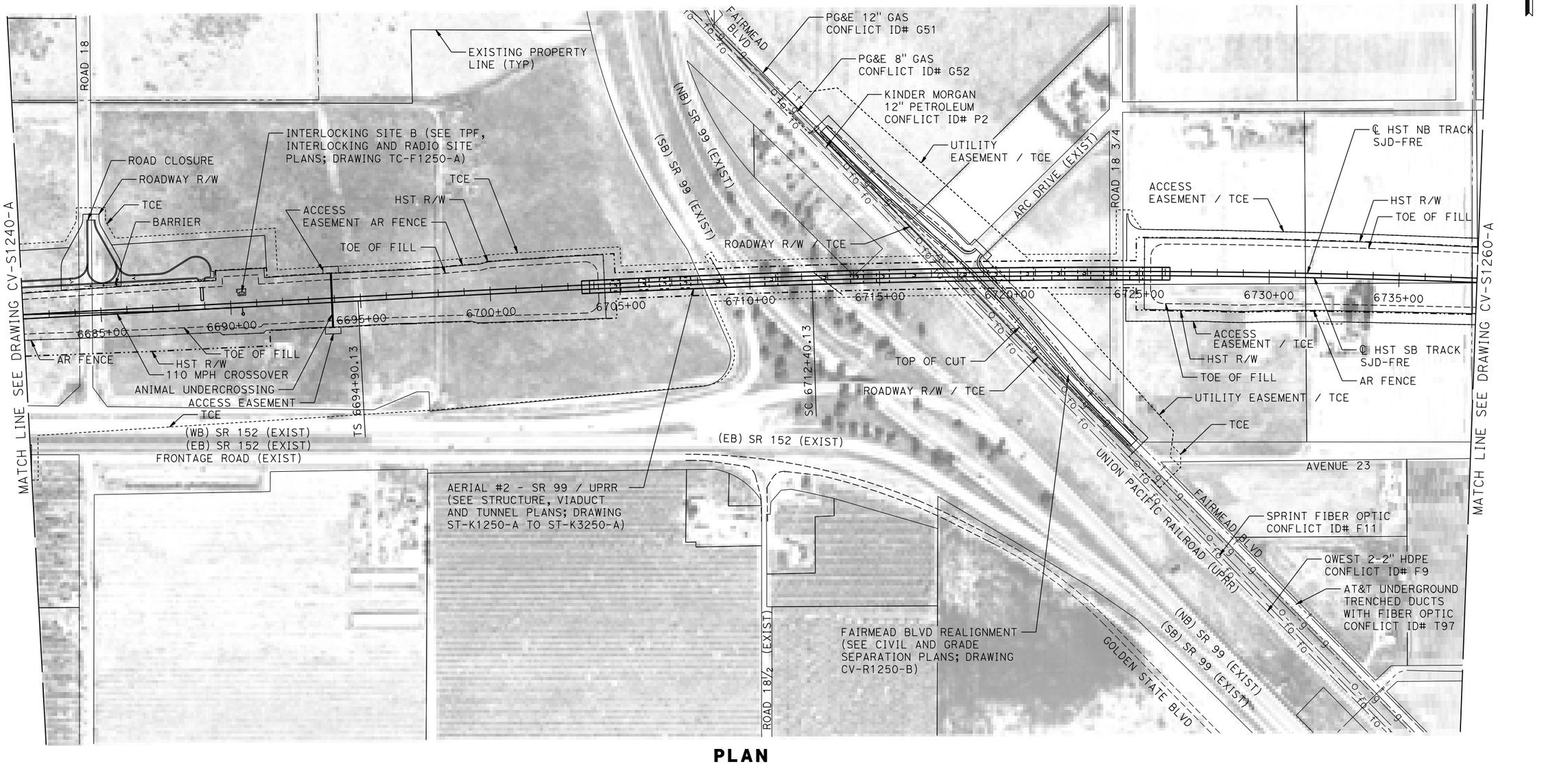
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

15-MAR-2016 13:57 MF-CV-S1241-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

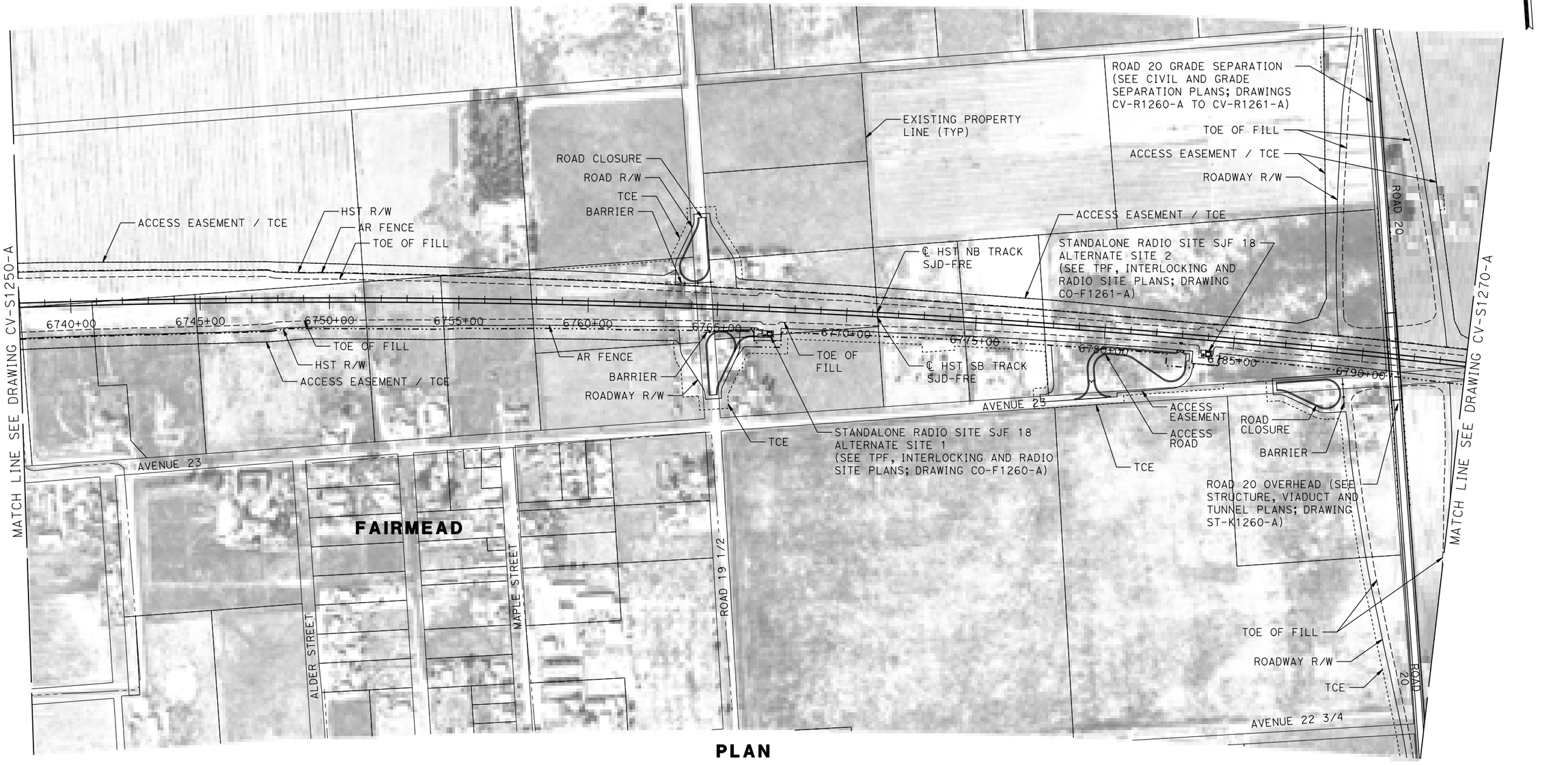
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6682+00 TO 6738+00

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

16-MAR-2016|2:33 MF-CV-S1250-A.dgn p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

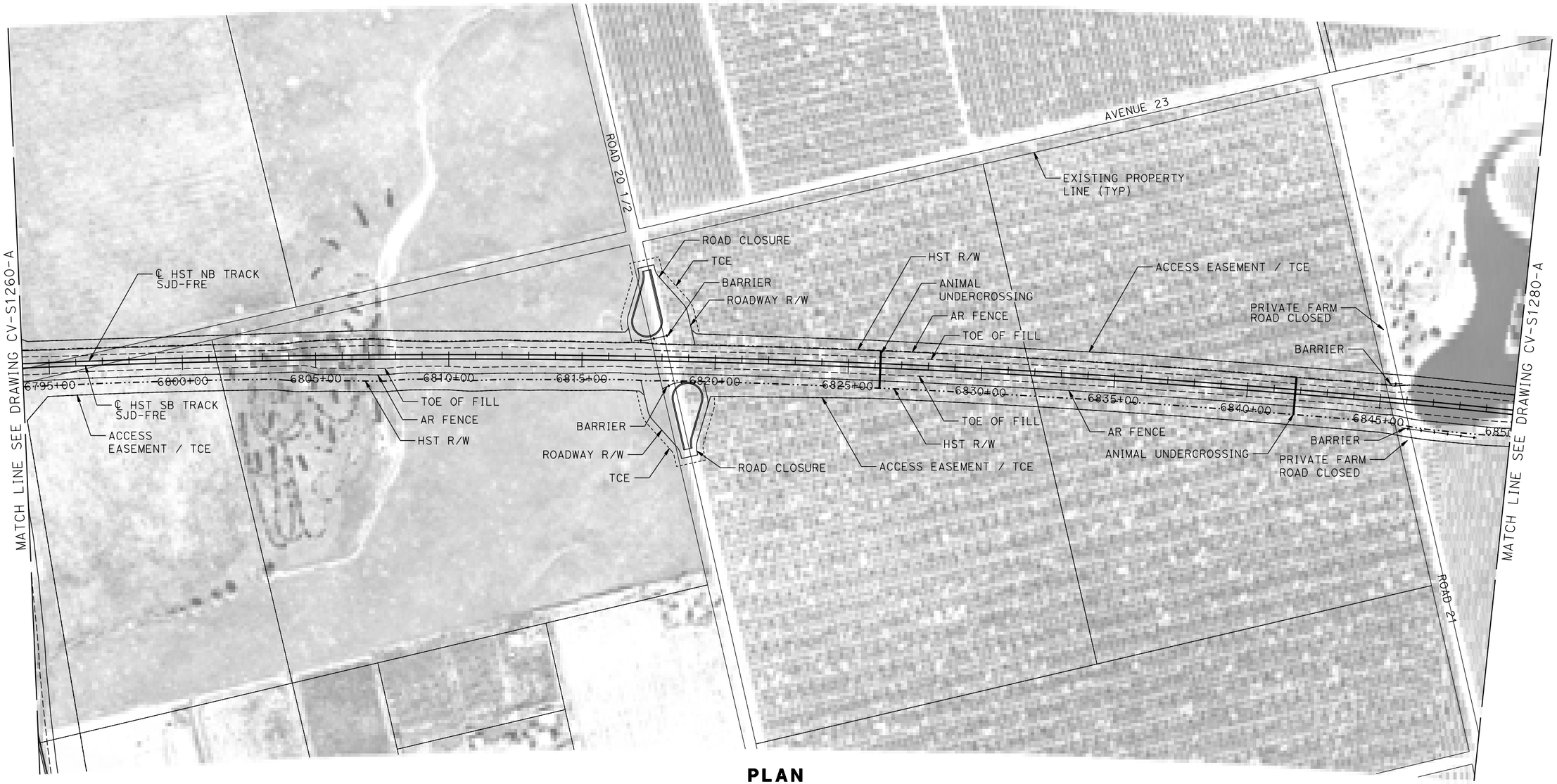
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

15-MAR-2016 13:59 MF-CV-S1260-A.dgn p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

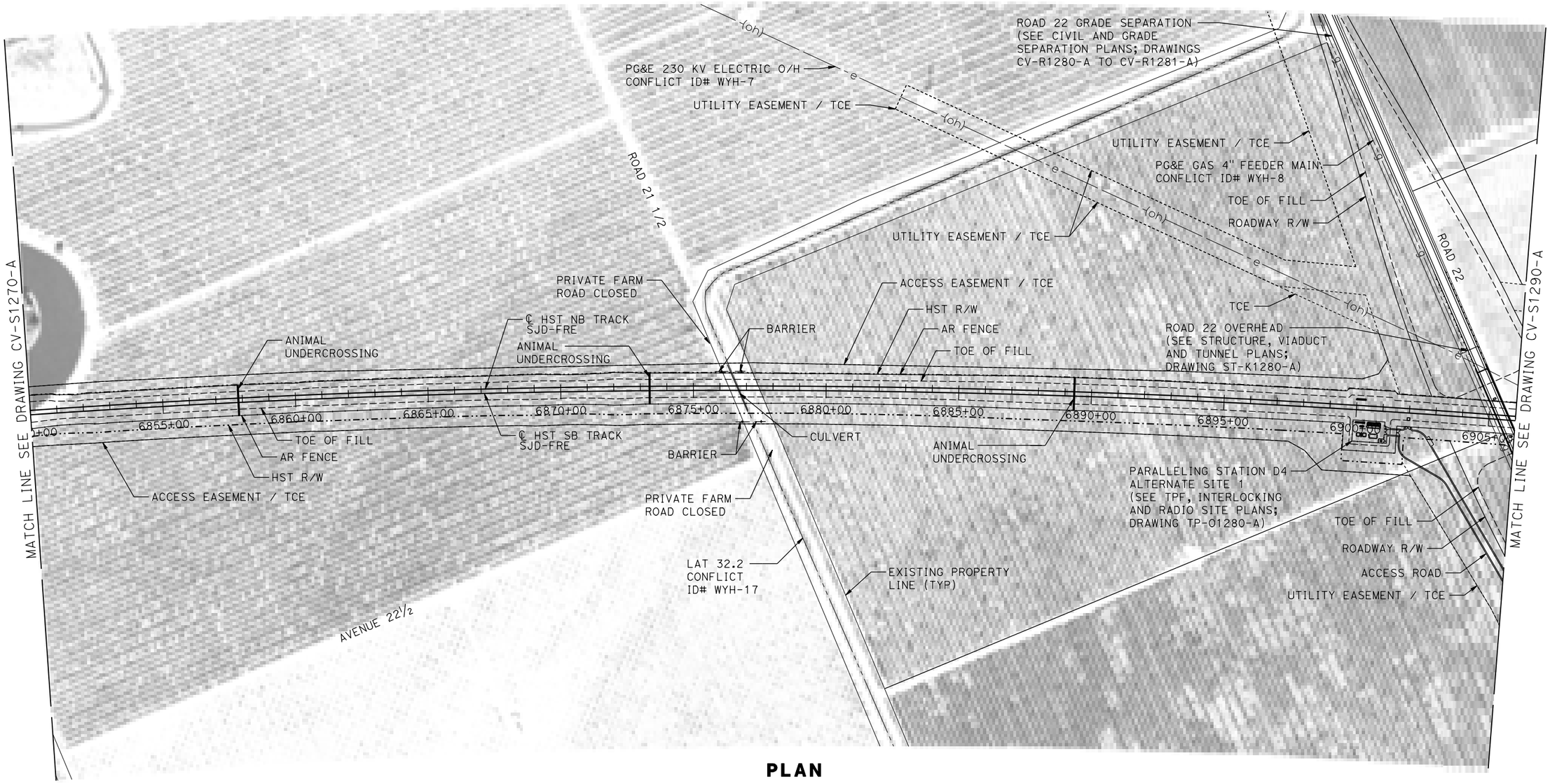
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6794+00 TO 6850+00

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

MF-CV-S1270-A.dgn
15-MAR-2016 14:00
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

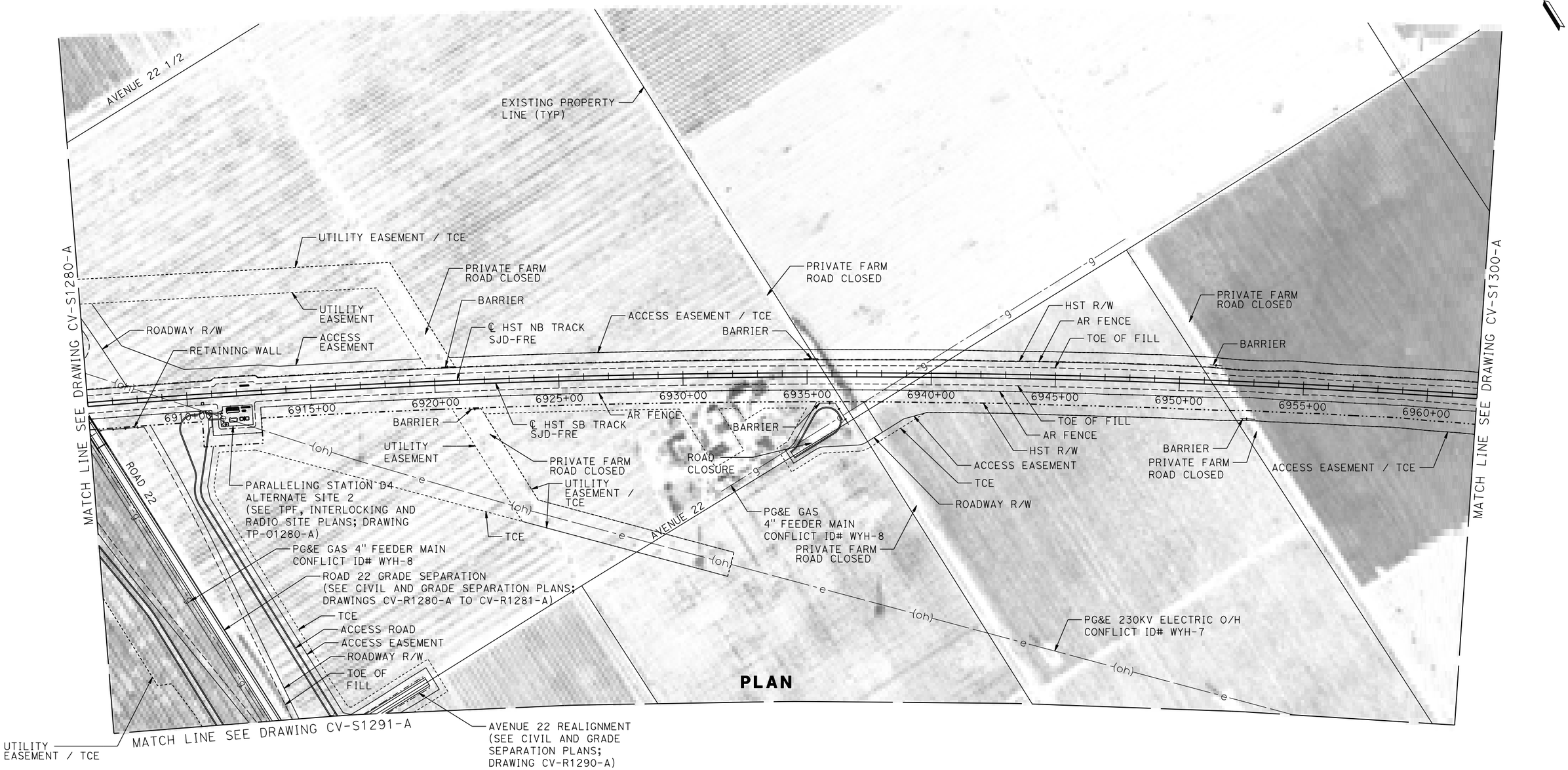
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6850+00 TO 6906+00

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

p0042226 18-MAR-2016 11:37 MF-CV-S1280-A.dgn

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 6906+00 TO 6962+00

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

MF-CV-S1290-A.dgn
15-MAR-2016 14:01
p0042226

MADERA COUNTY

PLAN

200 0 200 400
1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

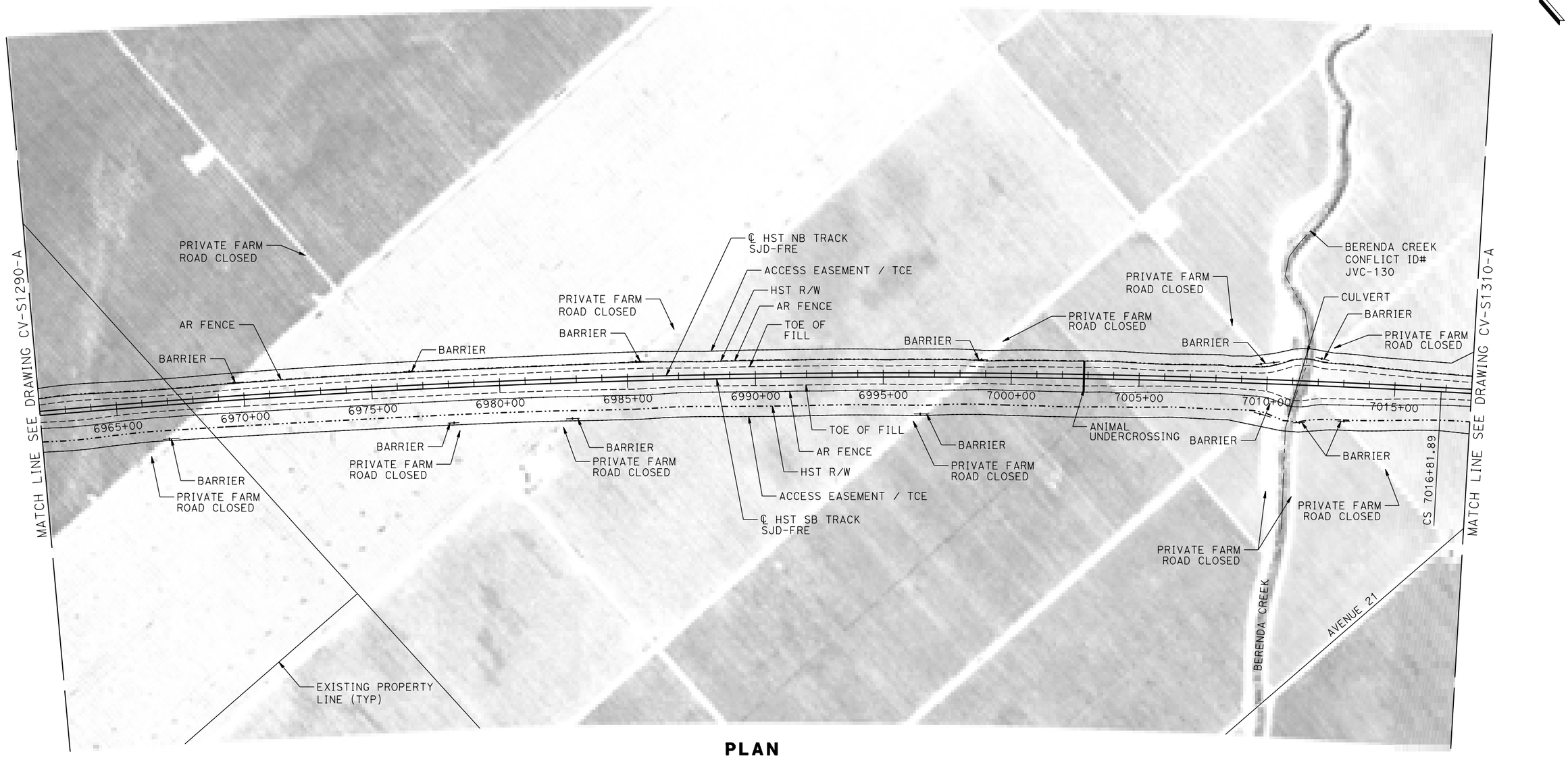
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 14:56 MF-CV-S1291-A.dgn
p0051334

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

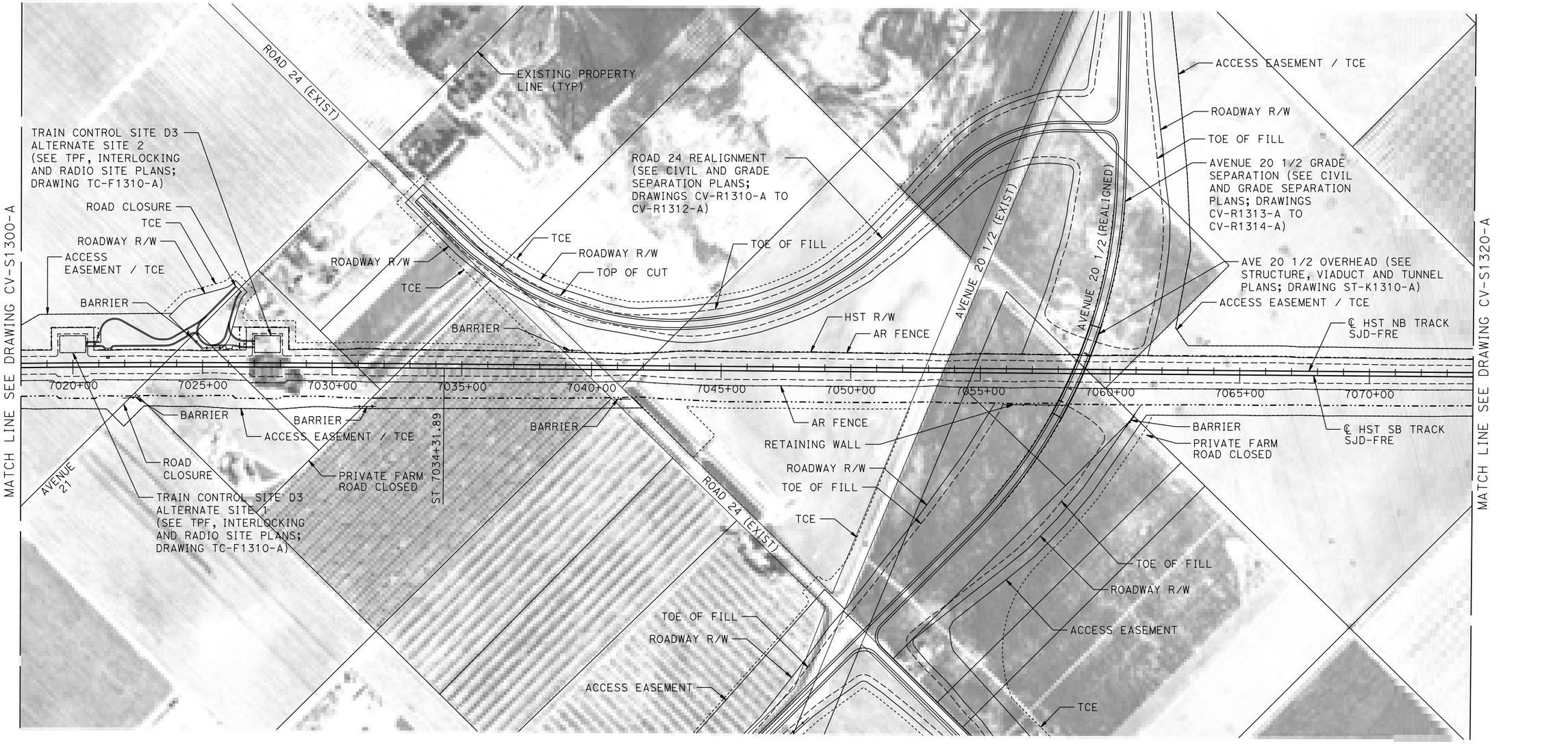
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

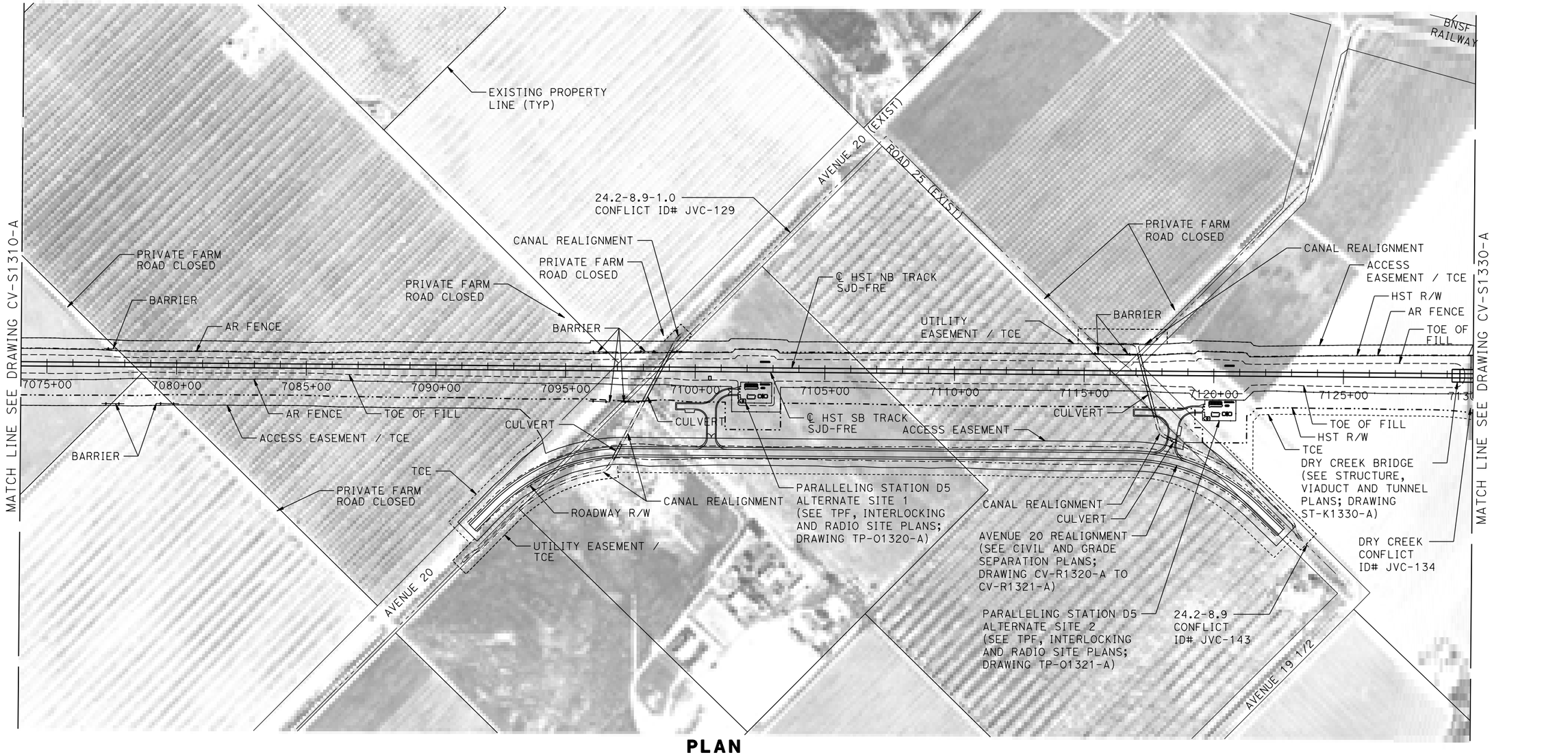
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7018+00 TO 7074+00

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

15-MAR-2016 4:03
MF-CV-S1310-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

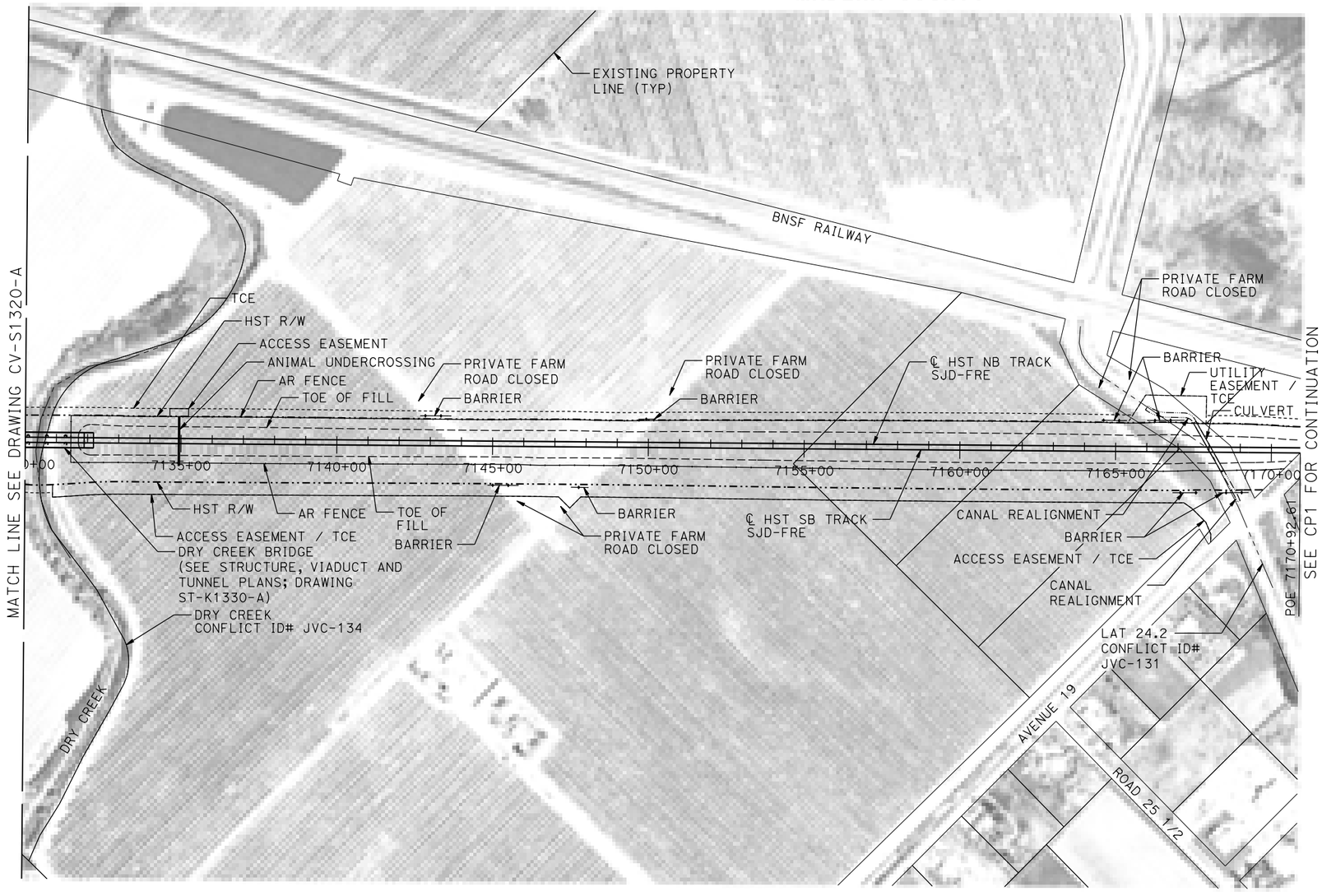
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-FRE STA 7074+00 TO 7130+00

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

16-MAR-2016 2:34
MF-CV-S1320-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

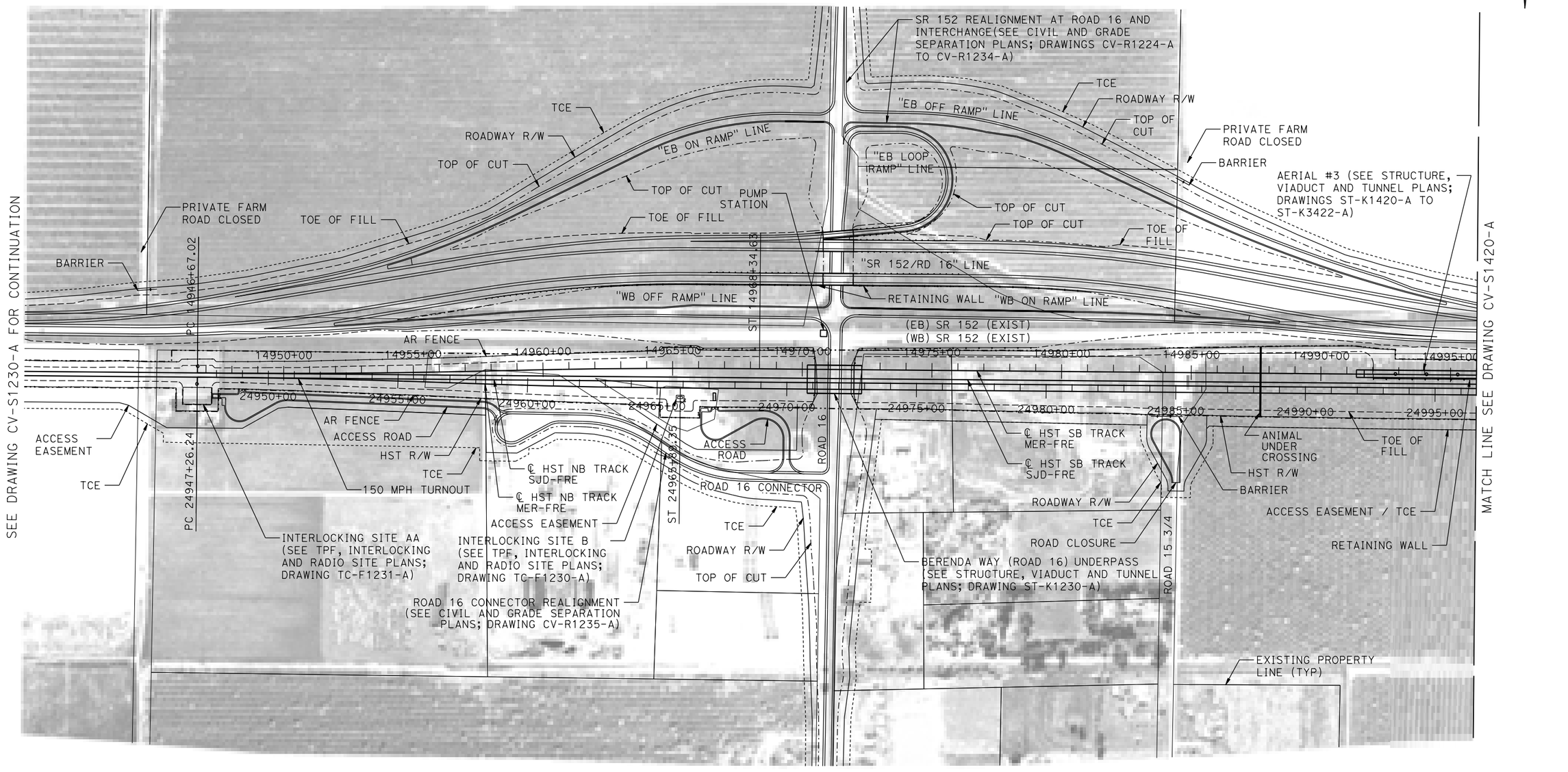
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

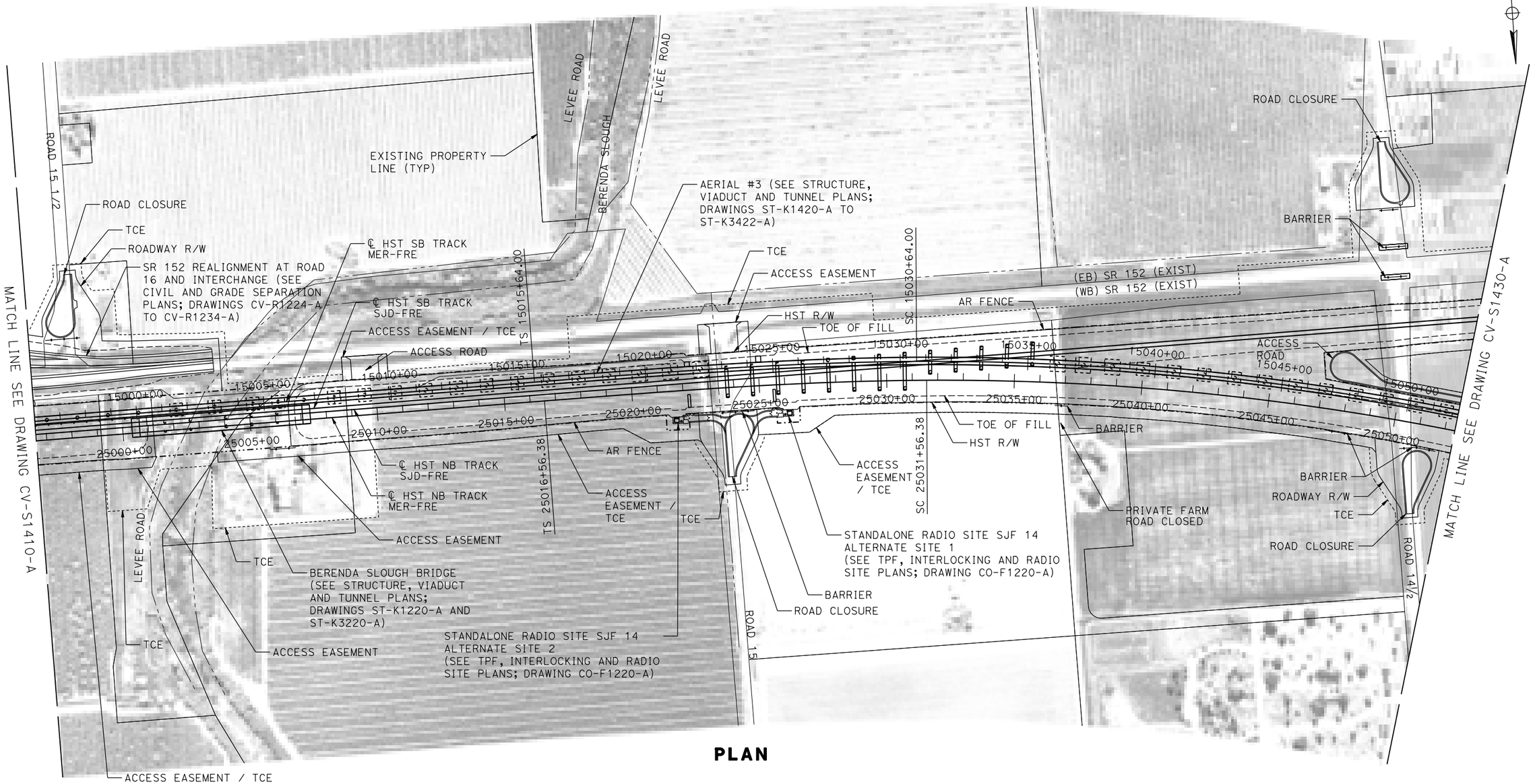
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 14946+67.02 TO 14996+00

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

07-SEP-2016 10:21
MF-CV-S1410-A.dgn
p0021811

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

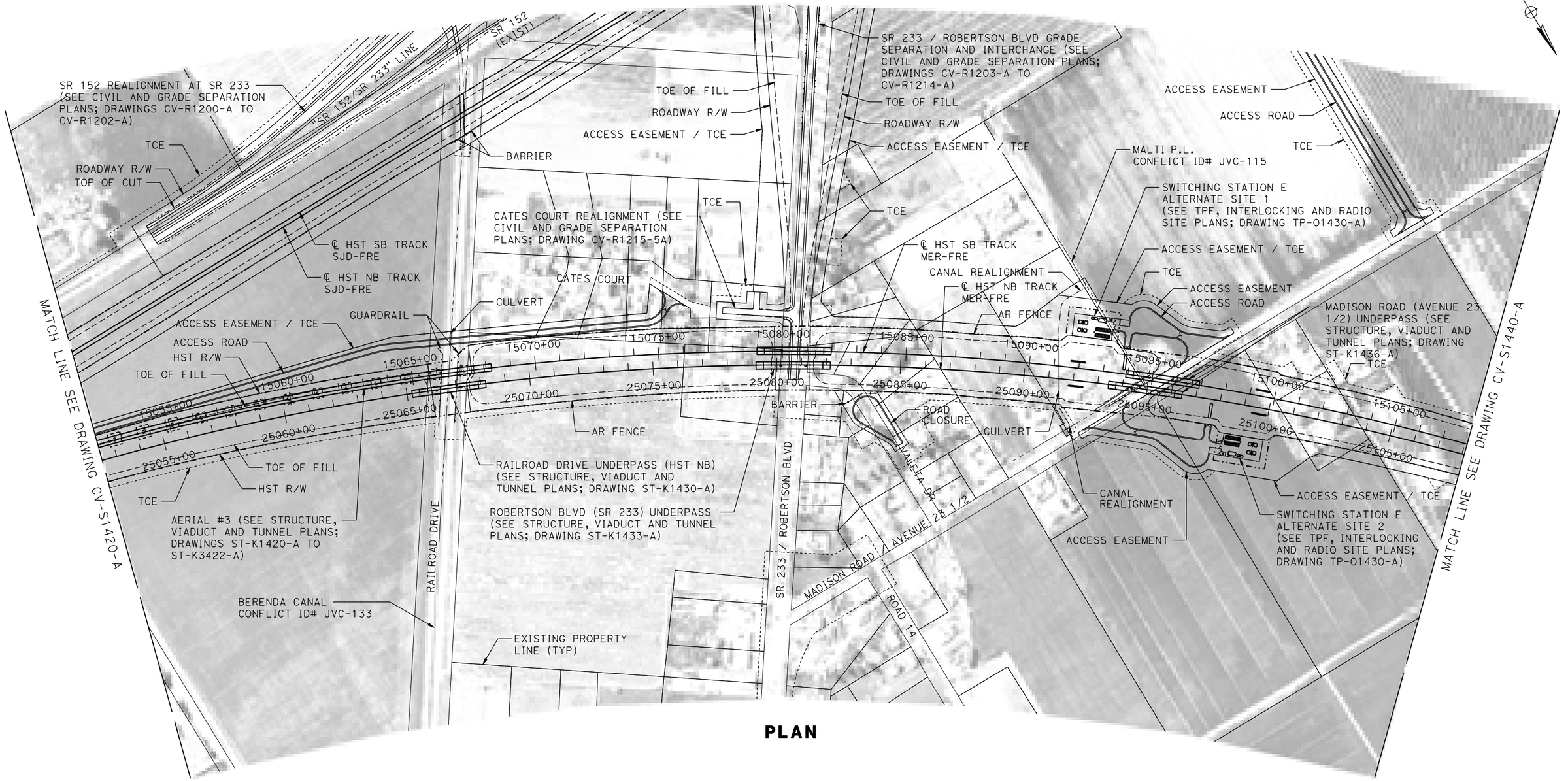
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 15:00
MF-CV-S1420-A.dgn
p0051334

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

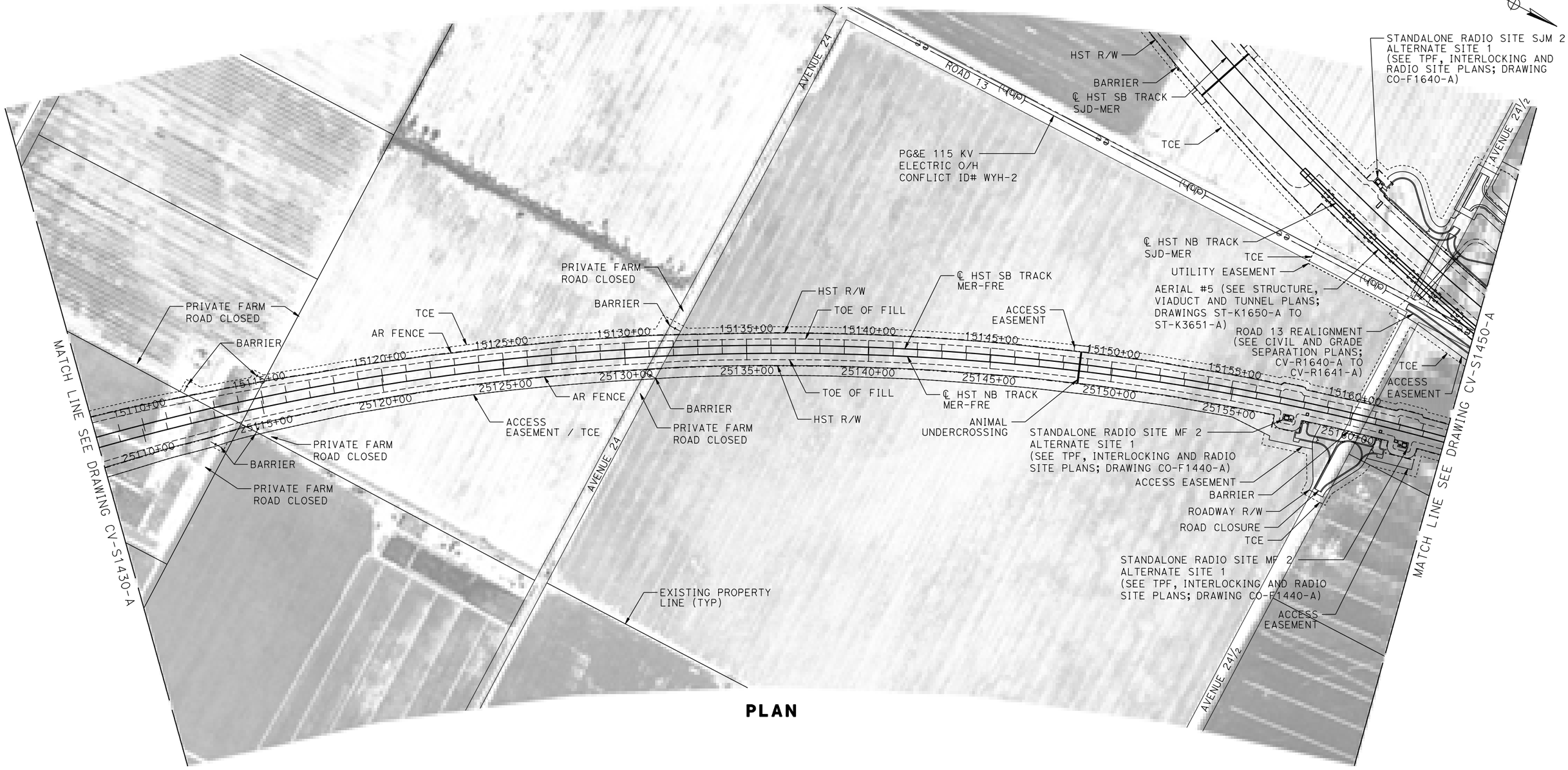
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15108+00 TO 15164+00

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

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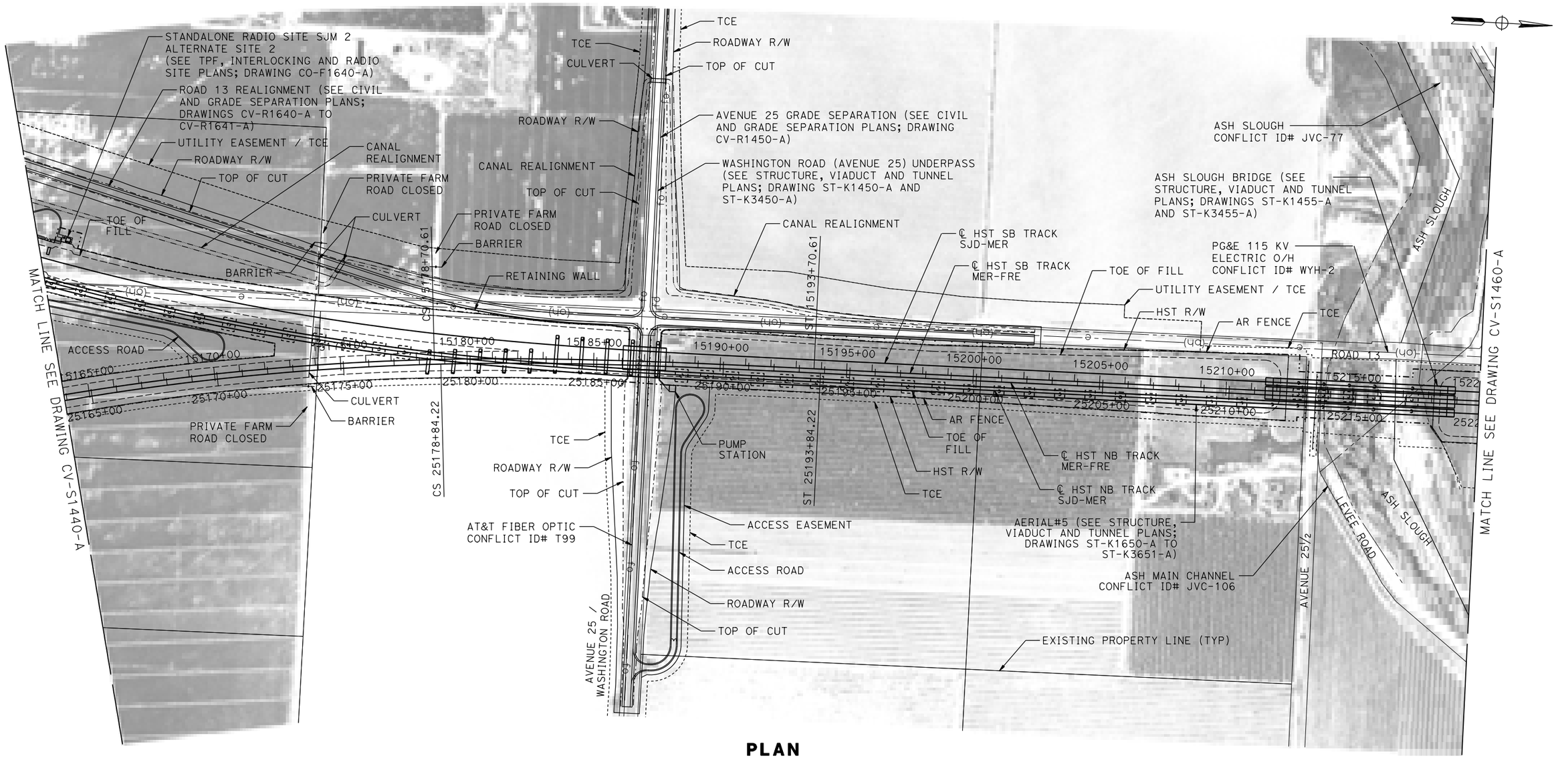
MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

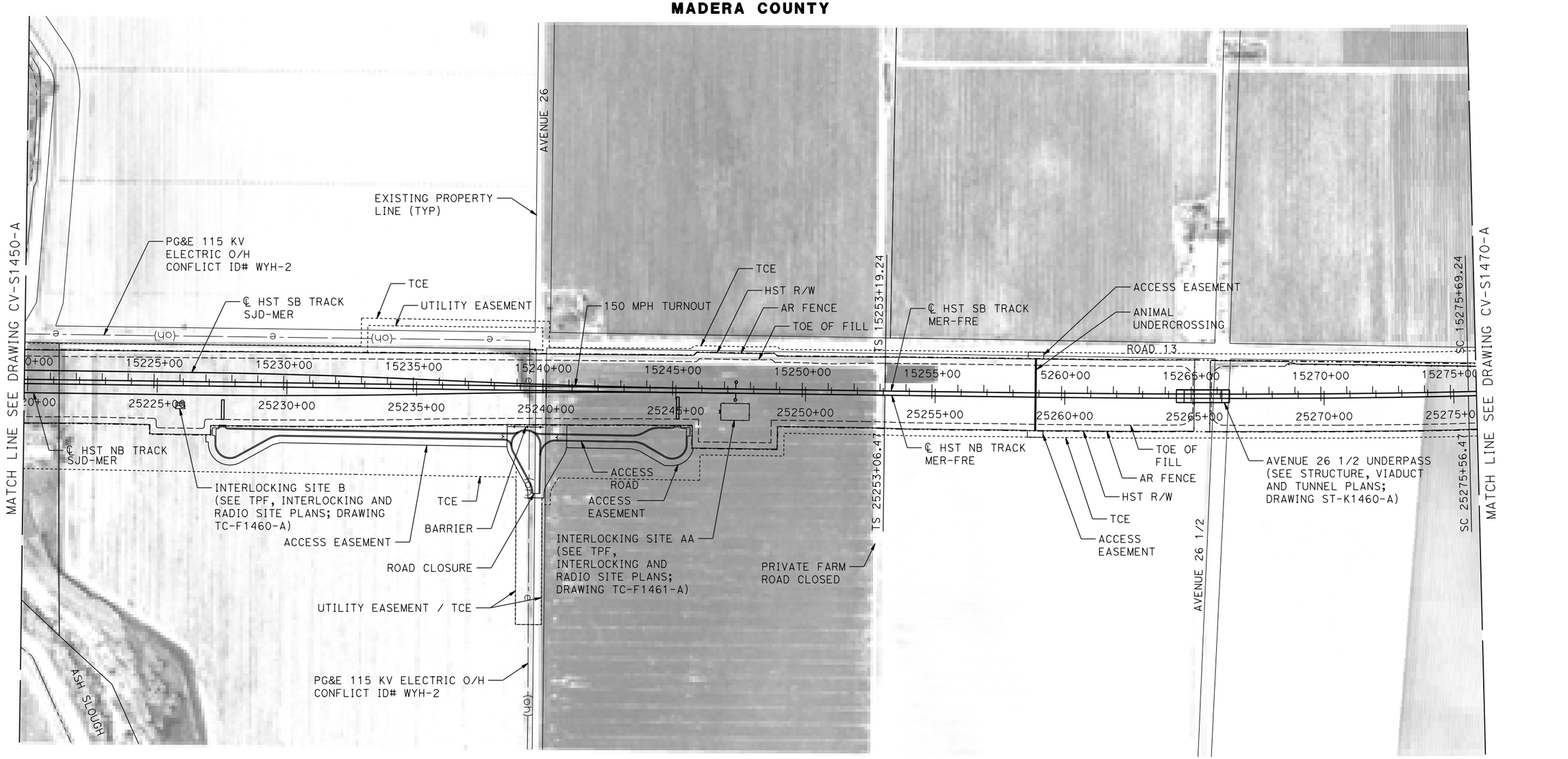
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

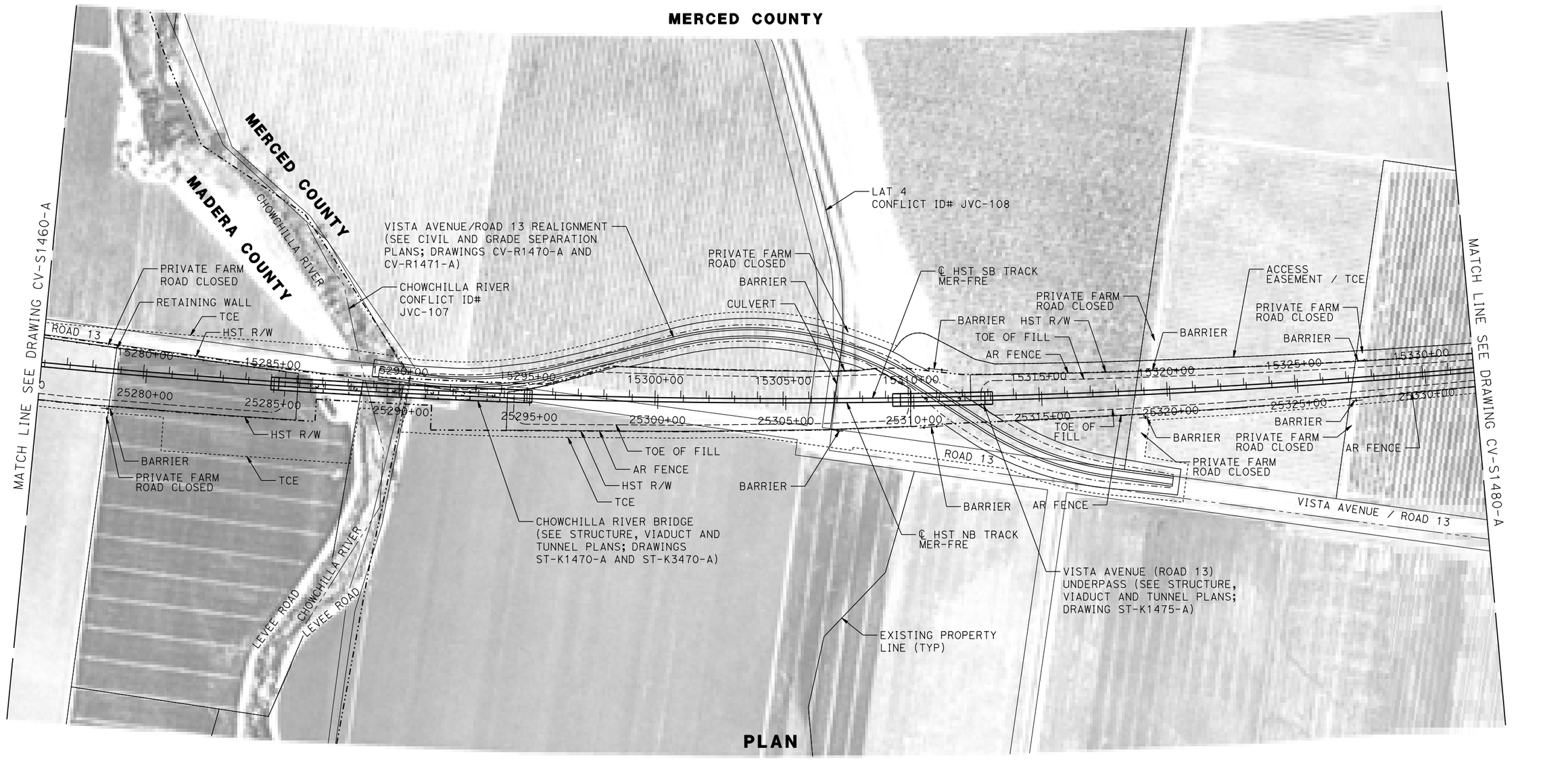
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15220+00 TO 15276+00

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

MF-CV-S1460-A.dgn
16-MAR-2016 2:35
p0042226



PLAN

200 0 200 400
1"=200'

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

PARSONS

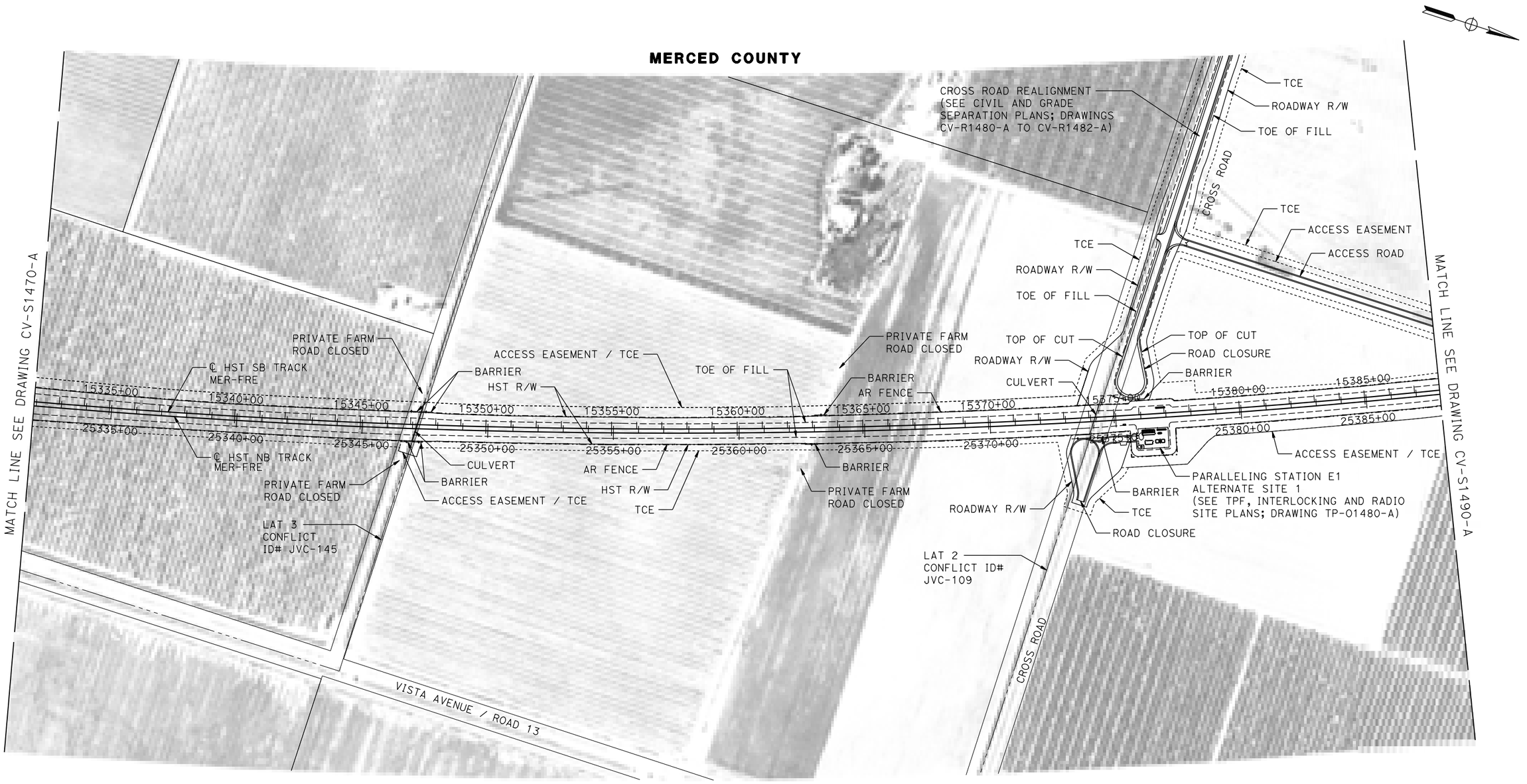
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15276+00 TO 15332+00

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

MF-CV-S1470-A.dgn
16-MAR-2016 2:36
p0042226



PLAN

200 0 200 400
1"=200'

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

PARSONS

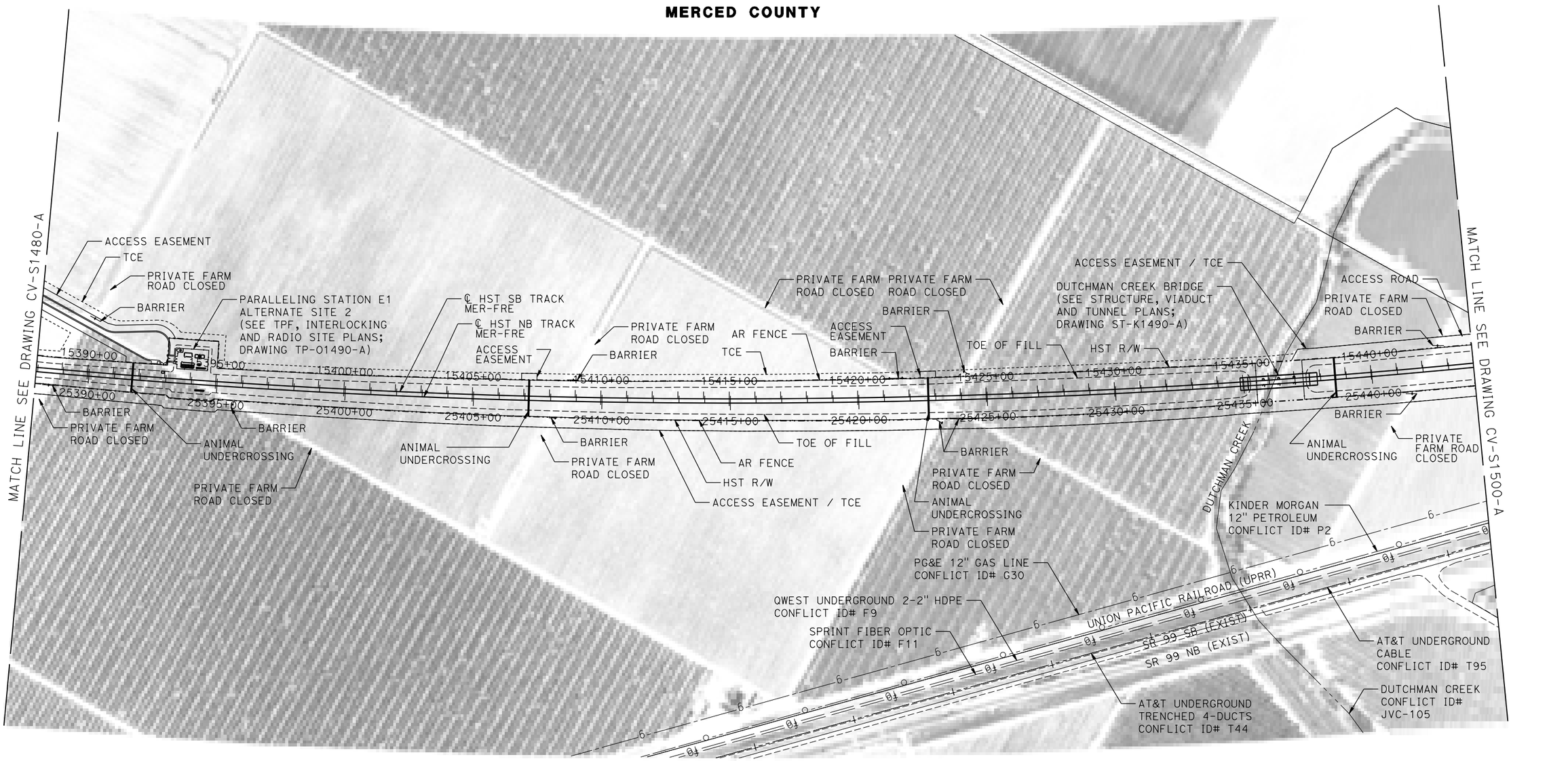
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15332+00 TO 15388+00

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

15-MAR-2016 14:12
MF-CV-S1480-A.dgn
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

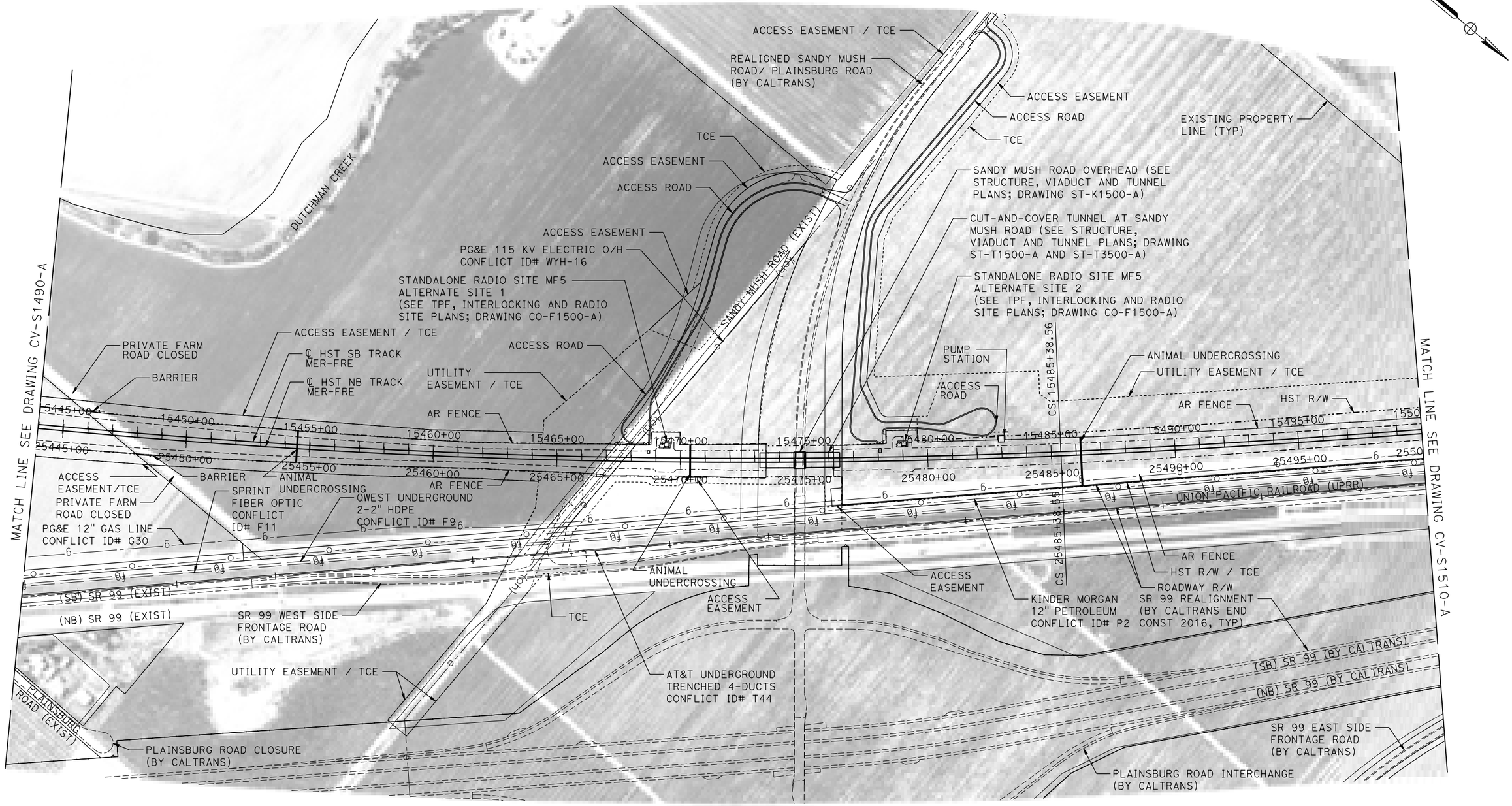
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15388+00 TO 15444+00

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

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

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

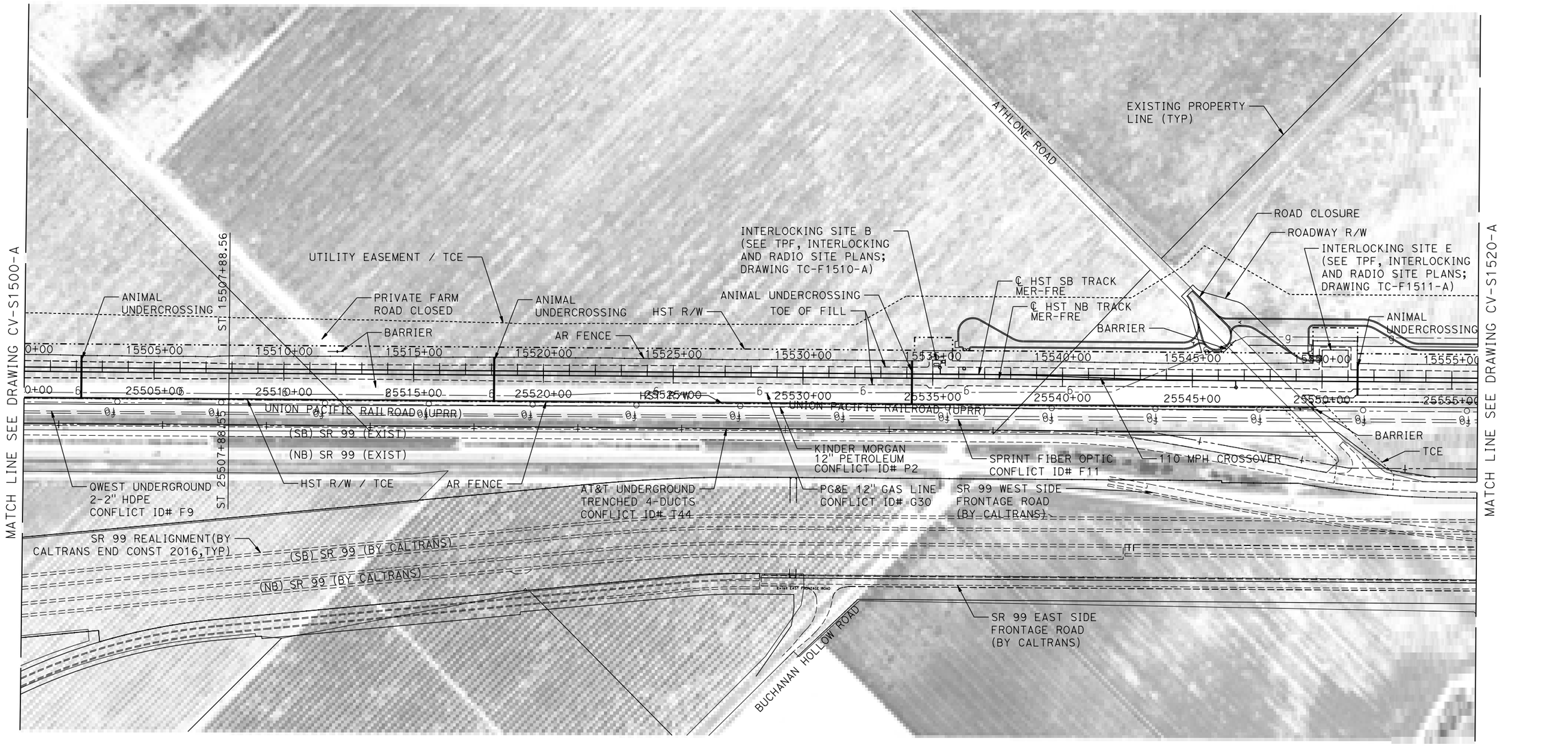
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15444+00 TO 15500+00

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

18-MAR-2016 1:42 MF-CV-S1500-A.dgn p0042226

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

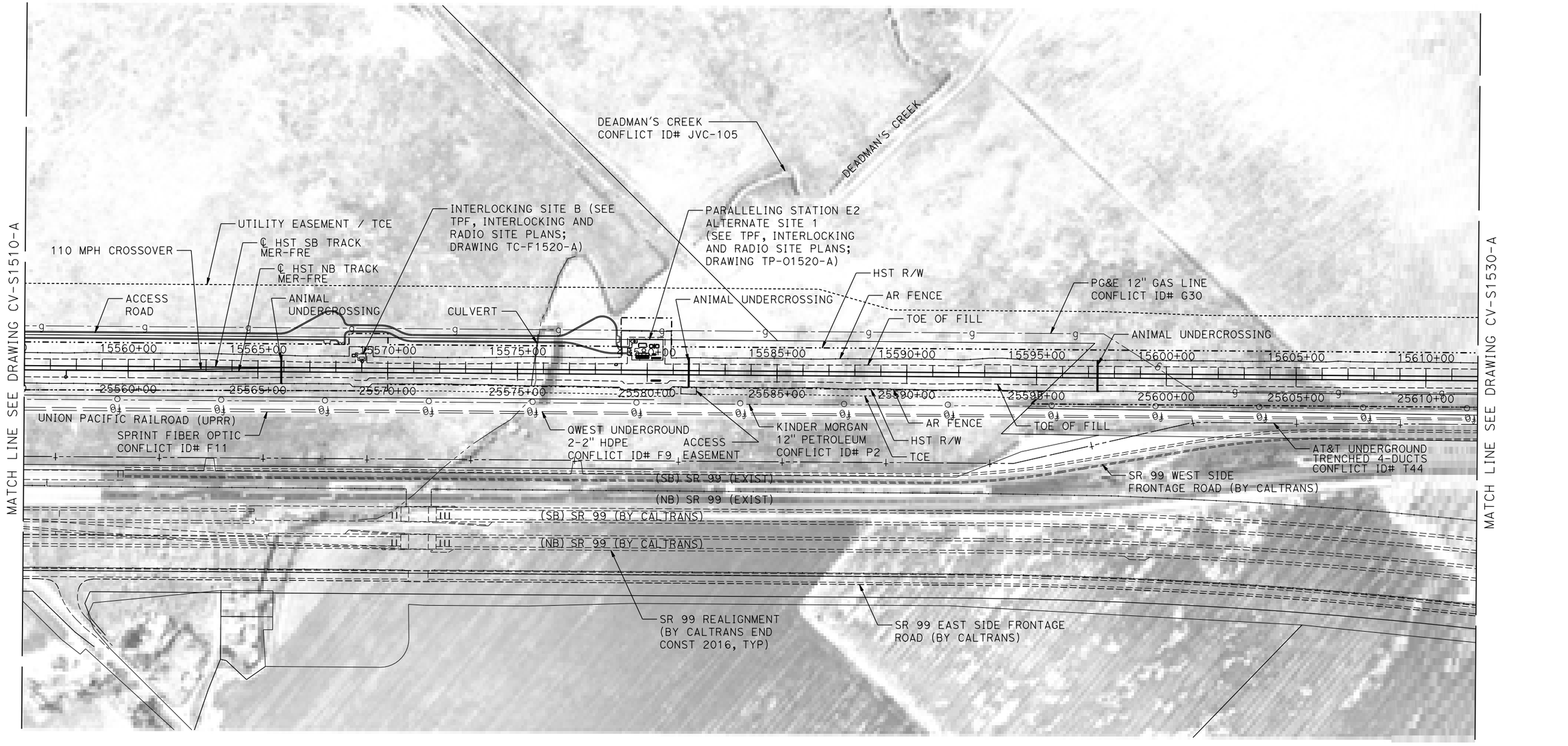
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15500+00 TO 15655+00.00

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

15-MAR-2016|4:14 MF-CV-S1510-A.dgn p0042226

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

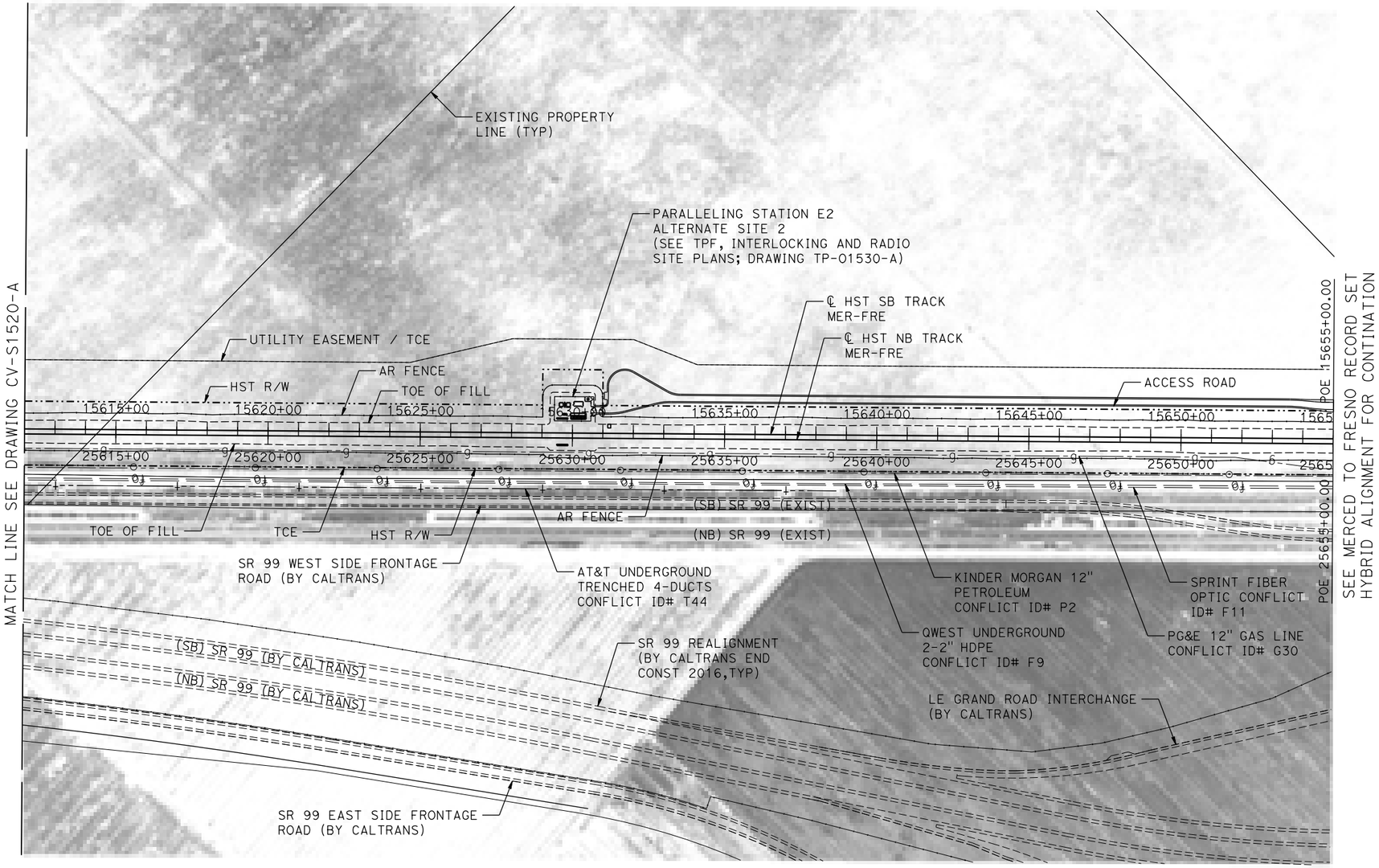
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
MER-FRE STA 15556+00 TO 15612+00

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

MF-CV-S1520-A.dgn
15-MAR-2016 4:15
p0042226

MERCED COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

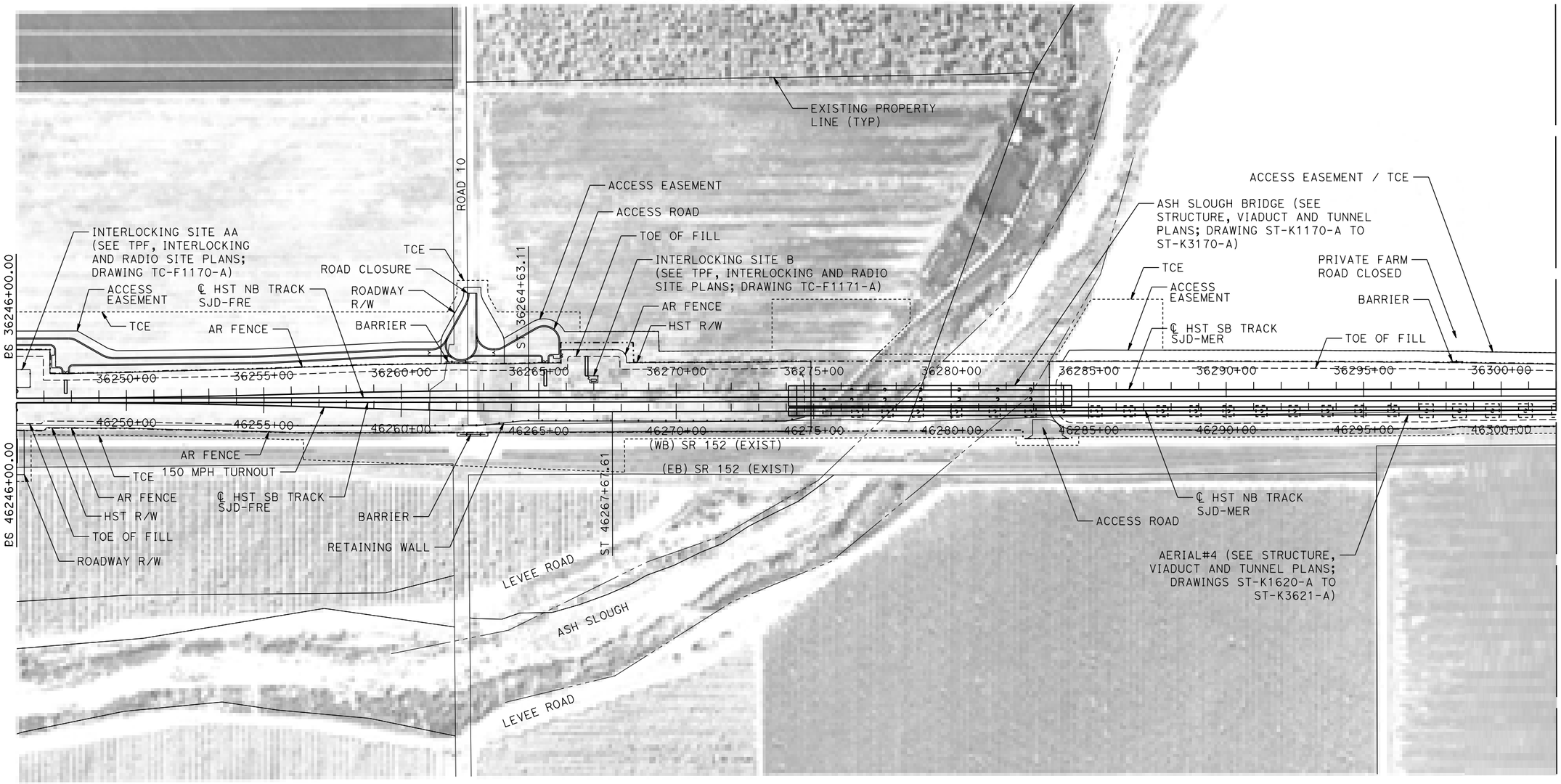
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

15-MAR-2016 14:15
MF-CV-S1530-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

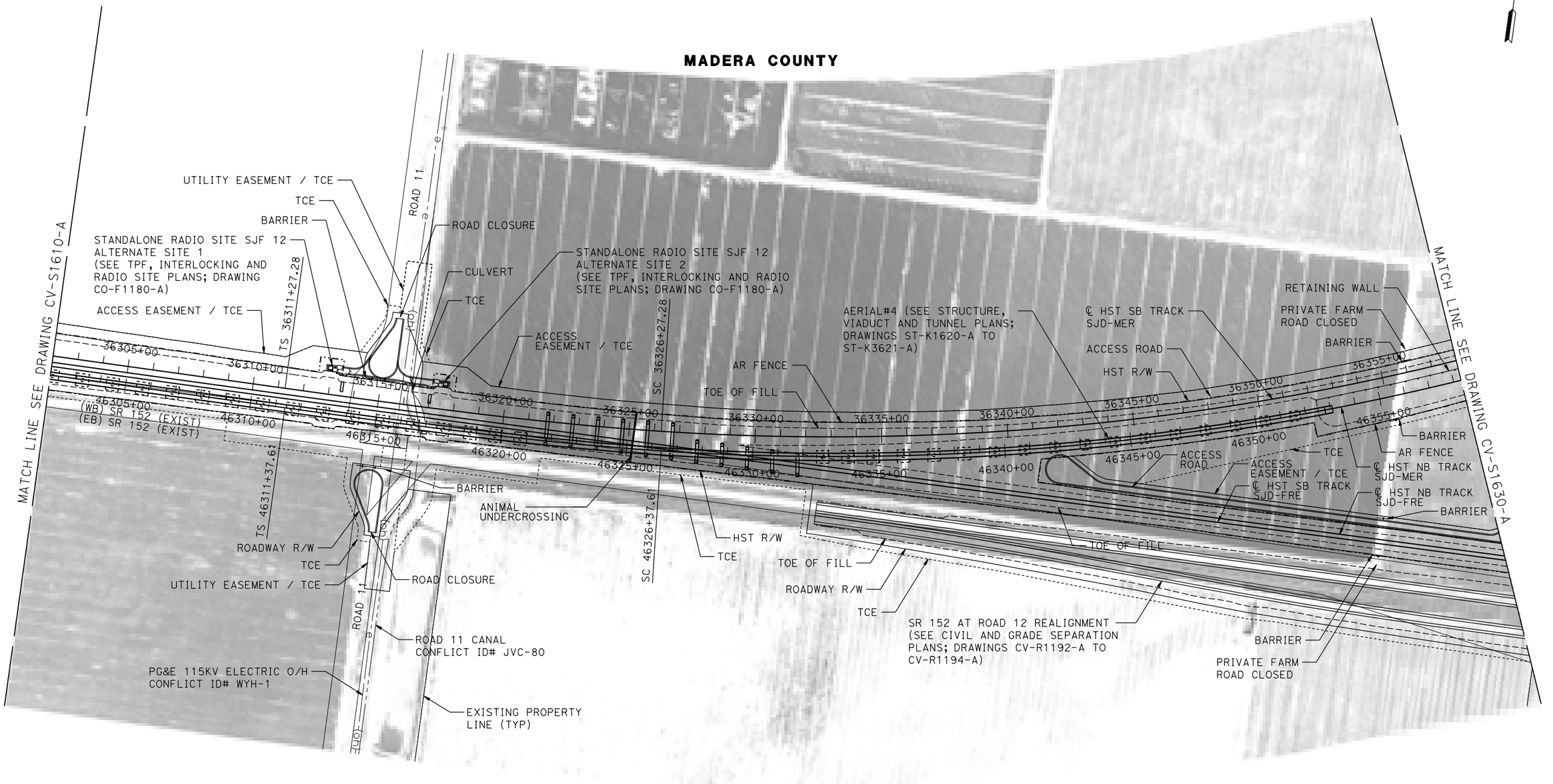
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

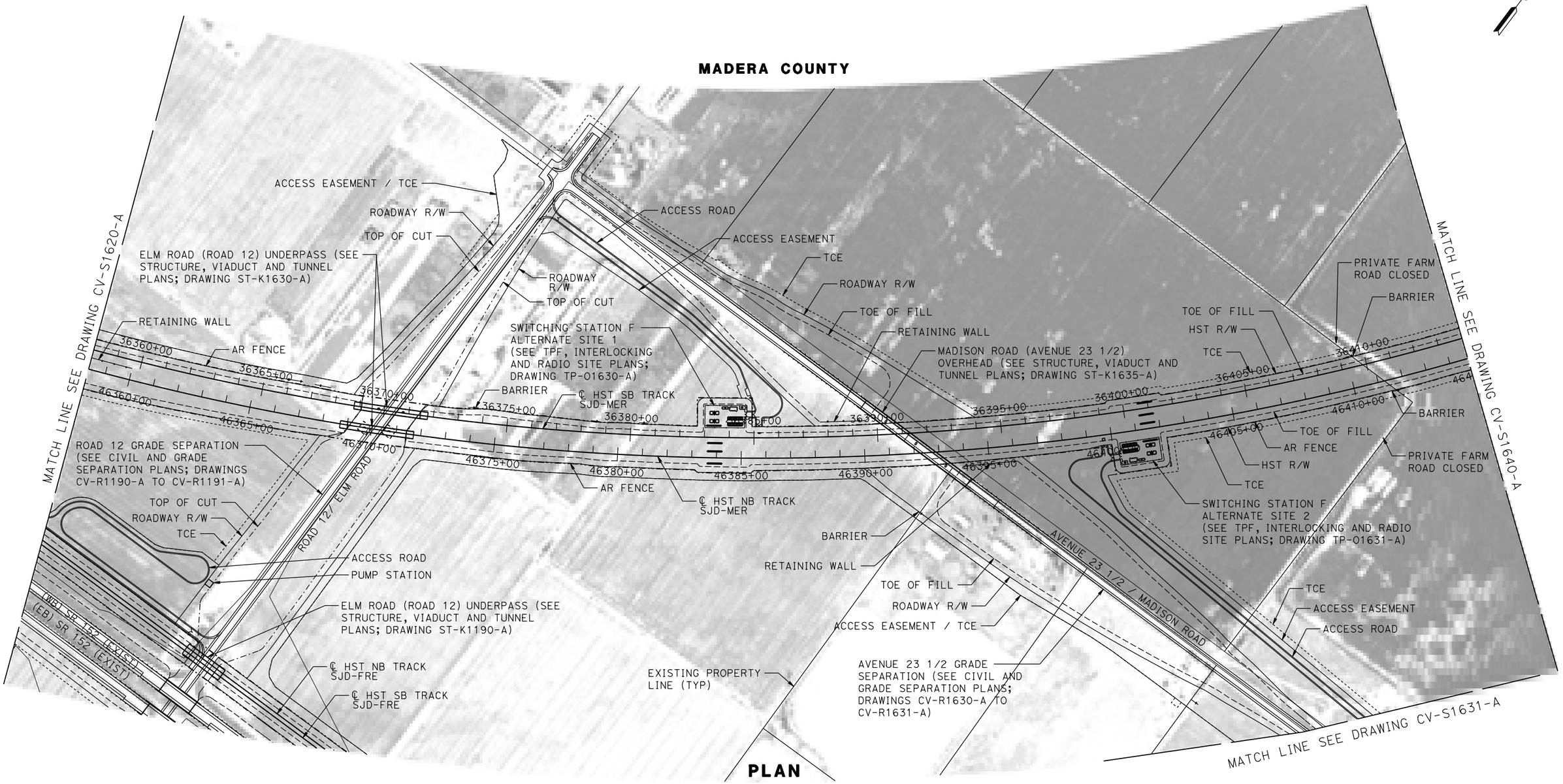
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

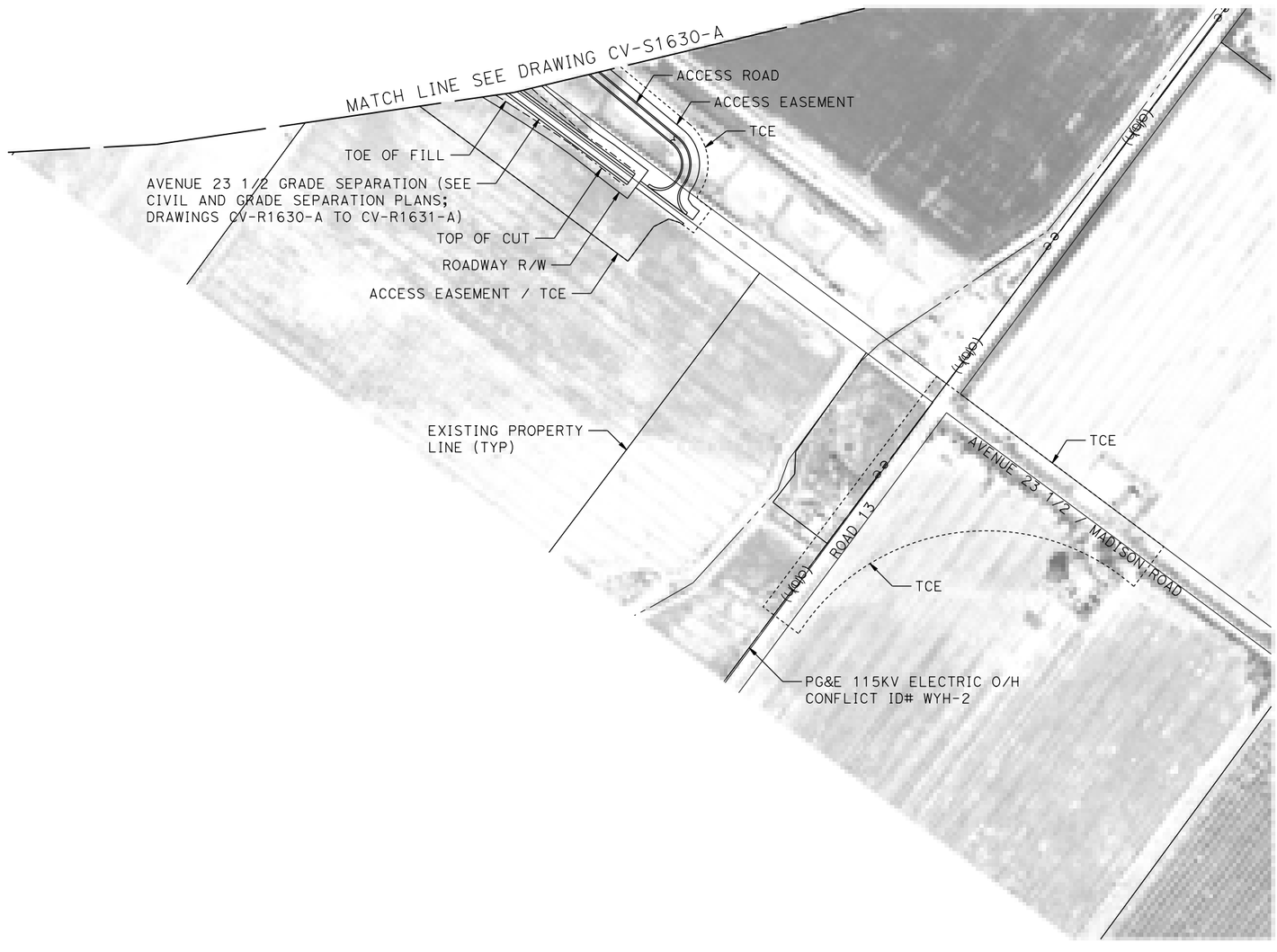
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36358+00 TO 36414+00

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

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

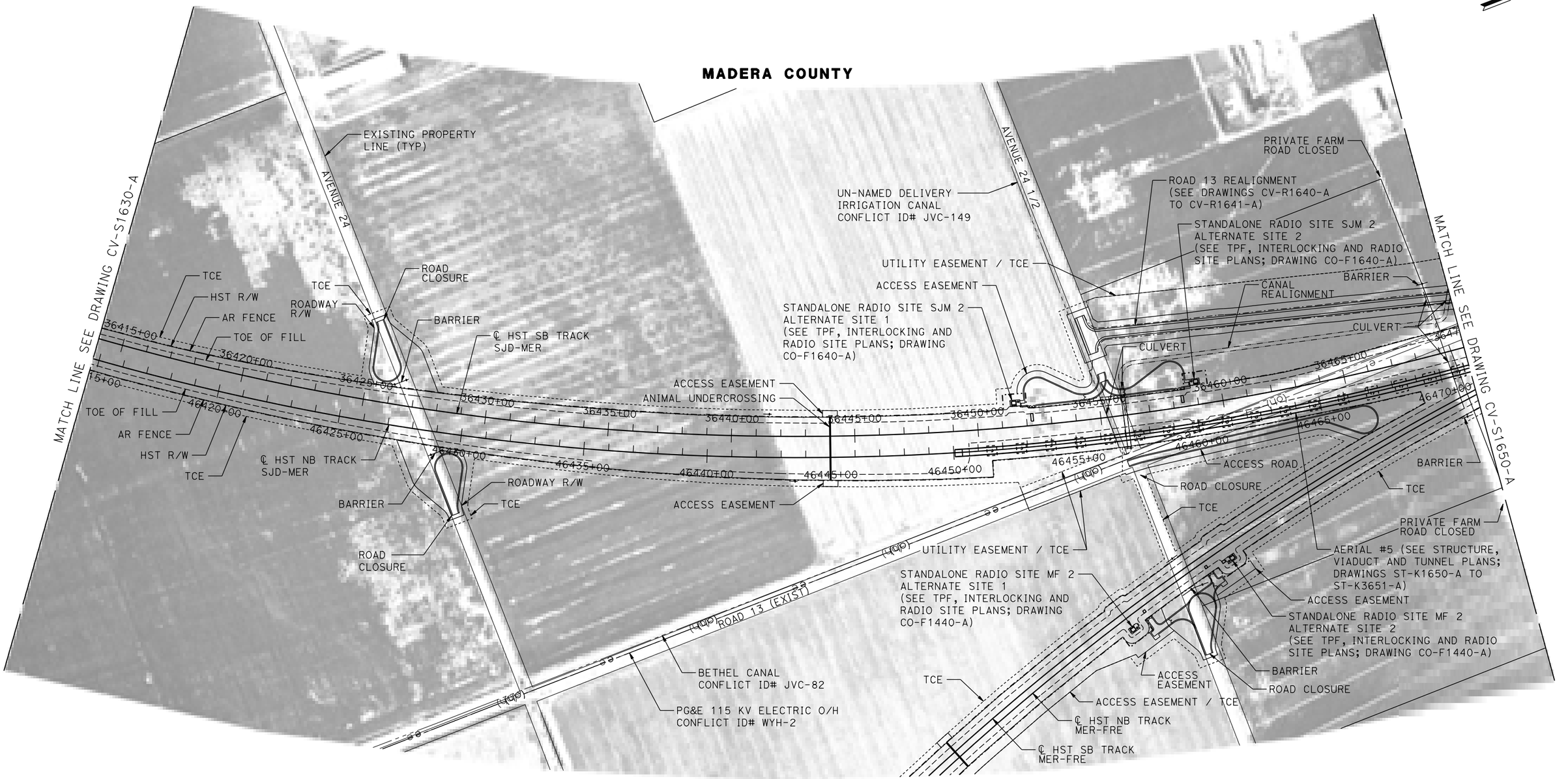
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 15:12 MF-CV-S1631-A.dgn p005133A



PLAN

200 0 200 400
1"=200'

MF-CV-S1640-A.dgn
15-MAR-2016 4:21
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

PARSONS

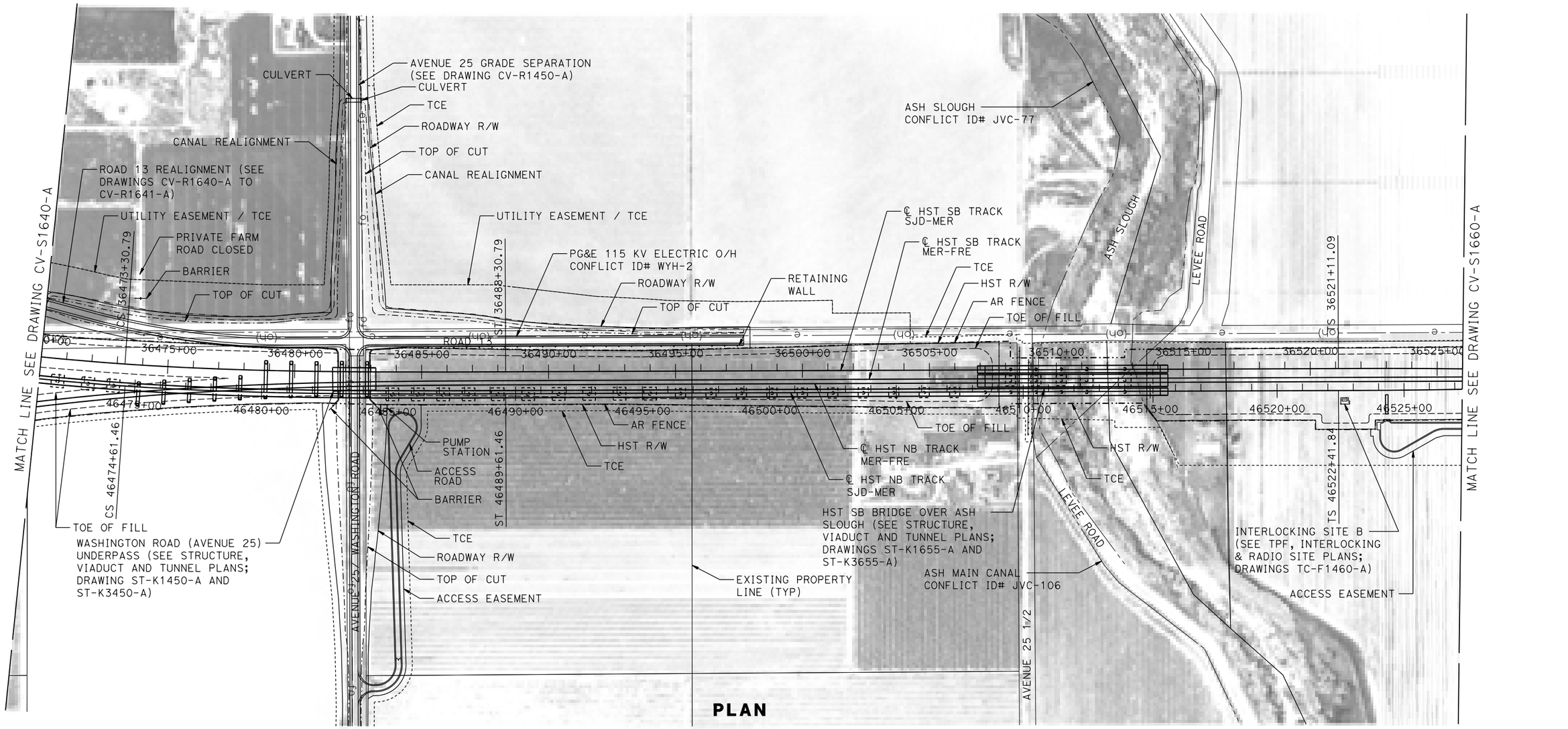
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36414+00 TO 36470+00

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

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

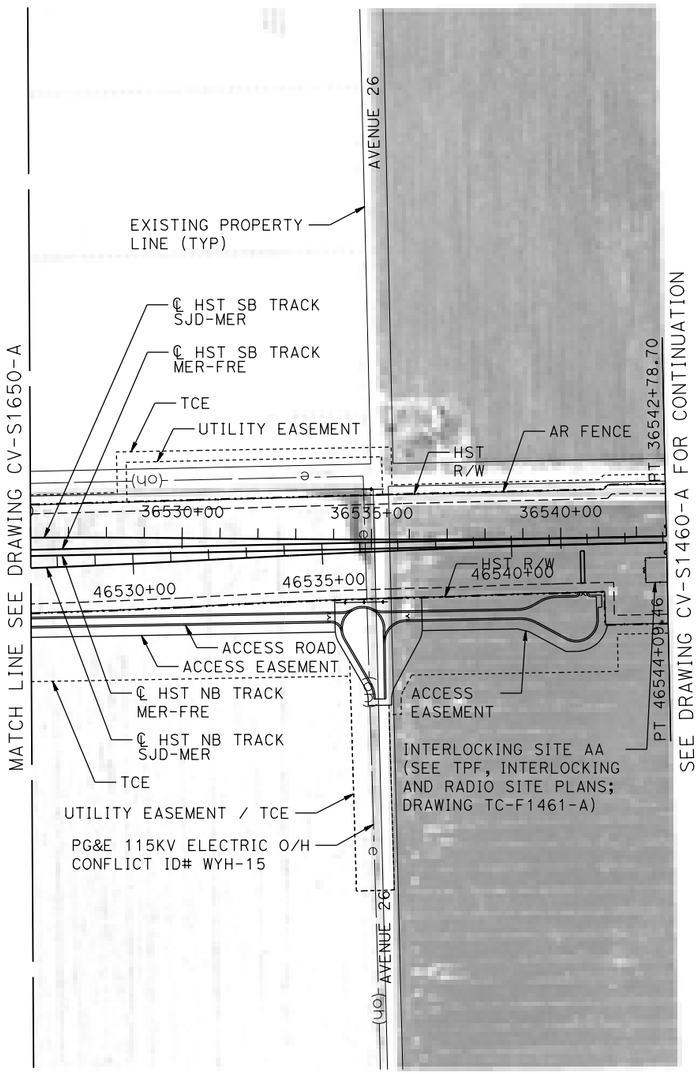
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36470+00 TO 36526+00

CONTRACT NO. HSR08-05
DRAWING NO. CV-S1650-A
SCALE 1"=200'
SHEET NO.

15-MAR-2016 4:22
MF-CV-S1650-A.dgn
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

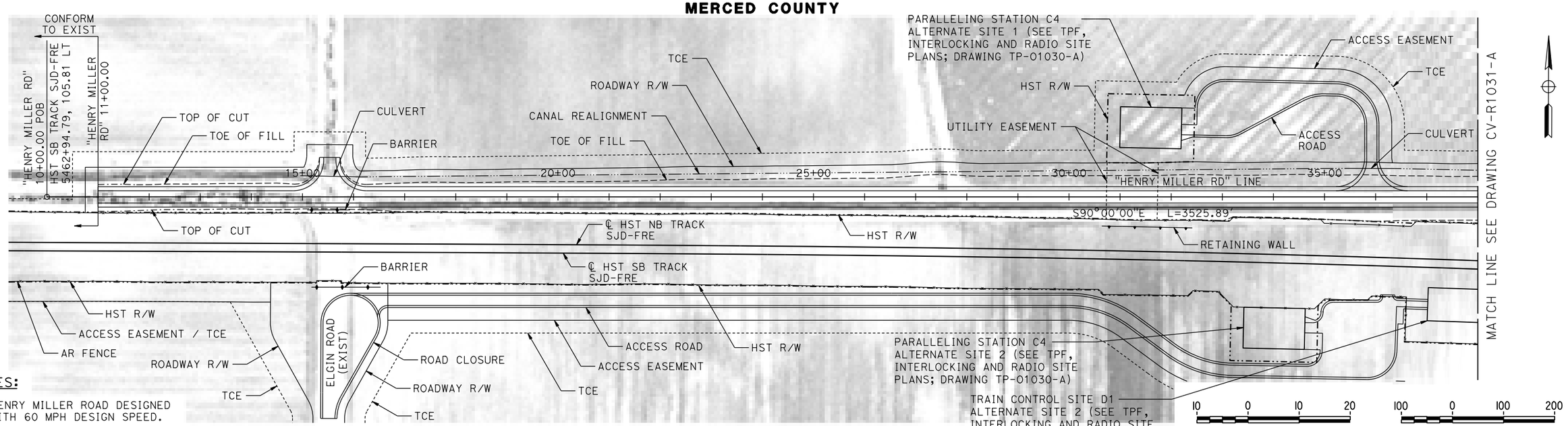
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
CIVIL PLAN
SJD-MER STA 36526+00 TO 36542+78.70

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

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

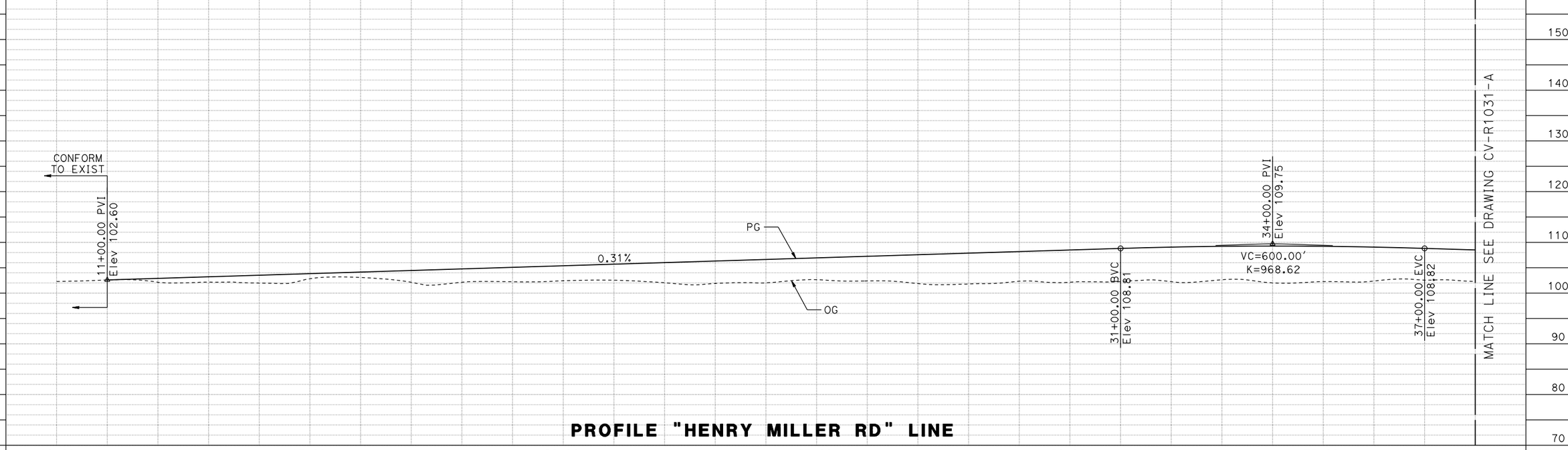
MERCED COUNTY



NOTES:

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

PLAN



PROFILE "HENRY MILLER RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

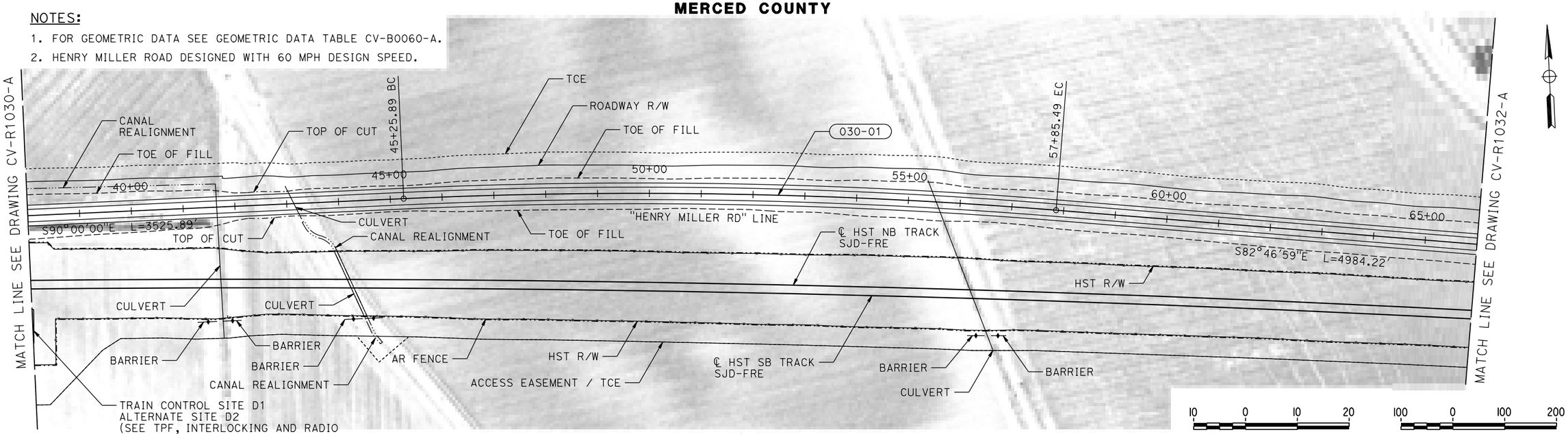
CONTRACT NO. HSR08-05
DRAWING NO. CV-R1030-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1030-A.dgn
15-MAR-2016 13:10
p0042226

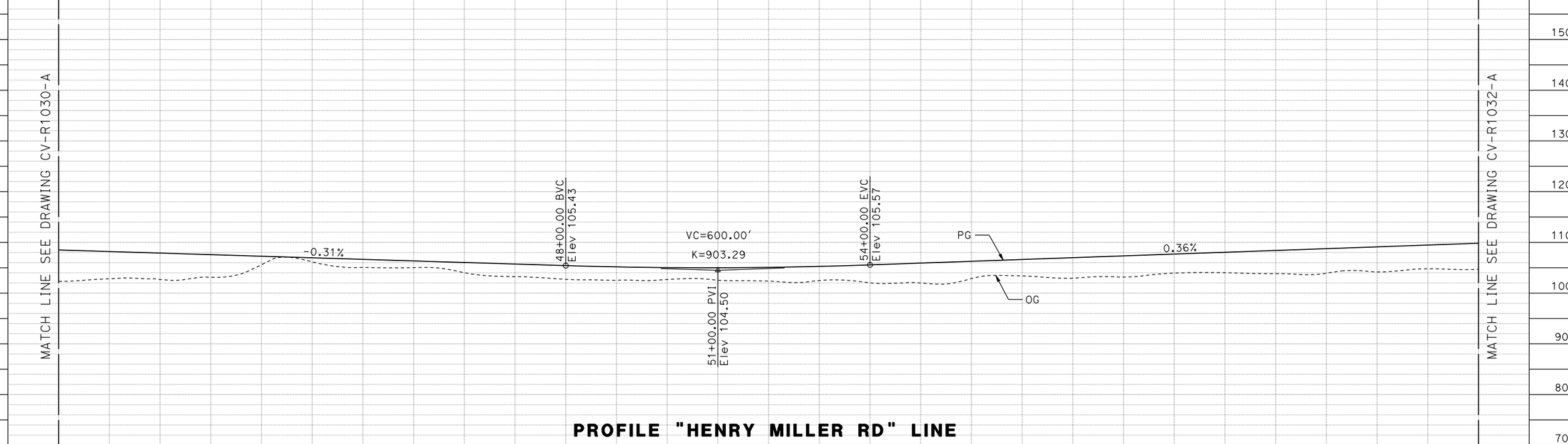
MERCED COUNTY

NOTES:

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



PLAN



PROFILE "HENRY MILLER RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

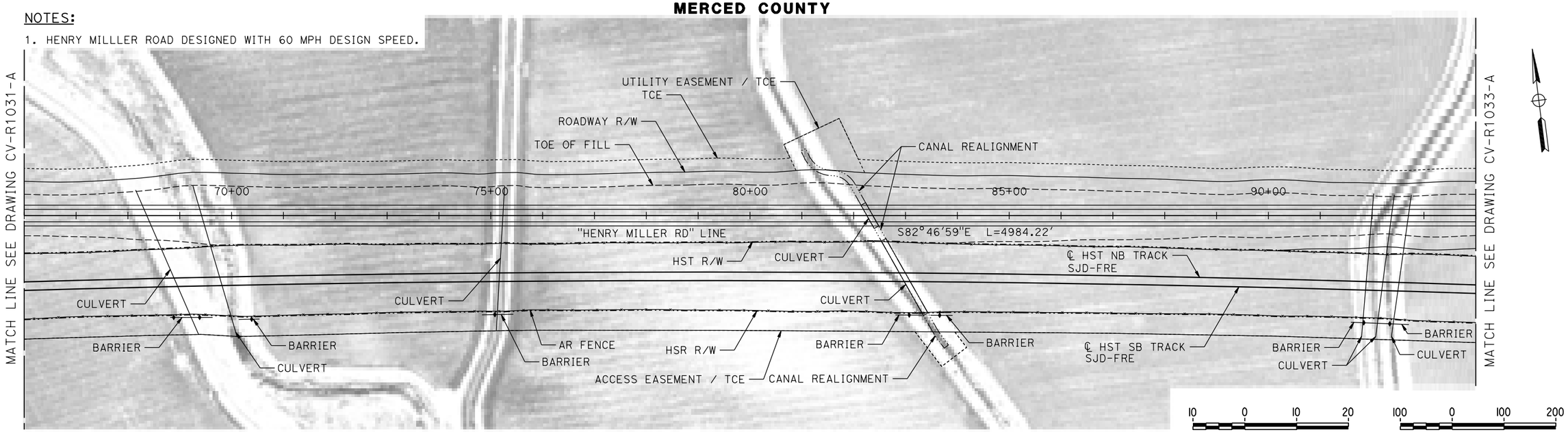
CONTRACT NO. HSR08-05
DRAWING NO. CV-R1031-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1031-A.dgn
15-MAR-2016 3:12
p0042226

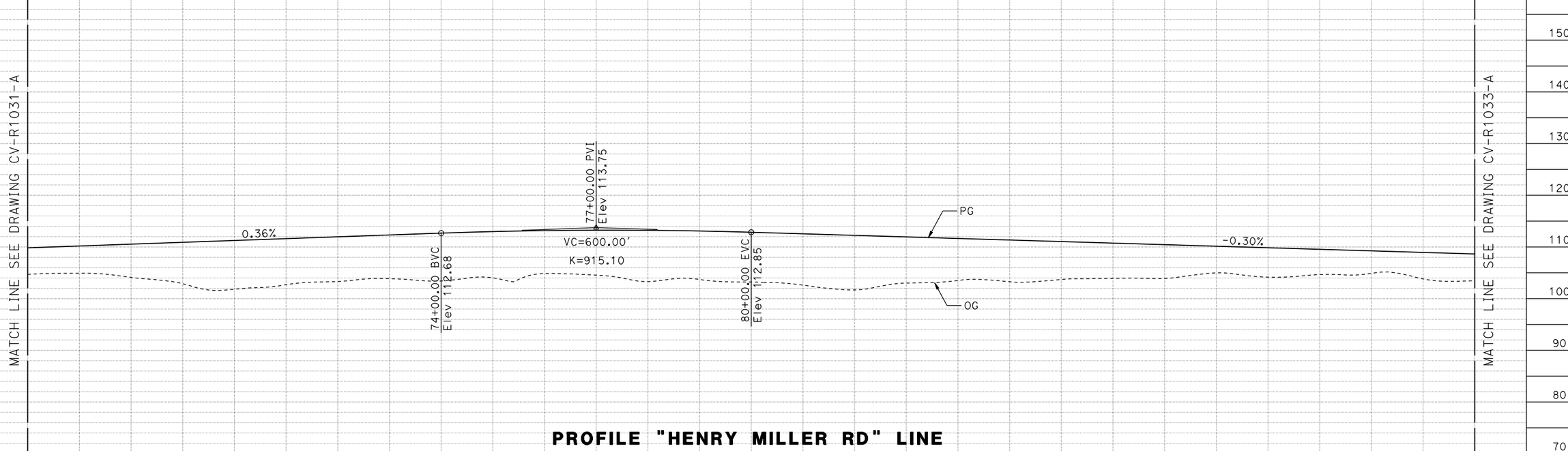
MERCED COUNTY

NOTES:

1. HENRY MILLLER 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
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

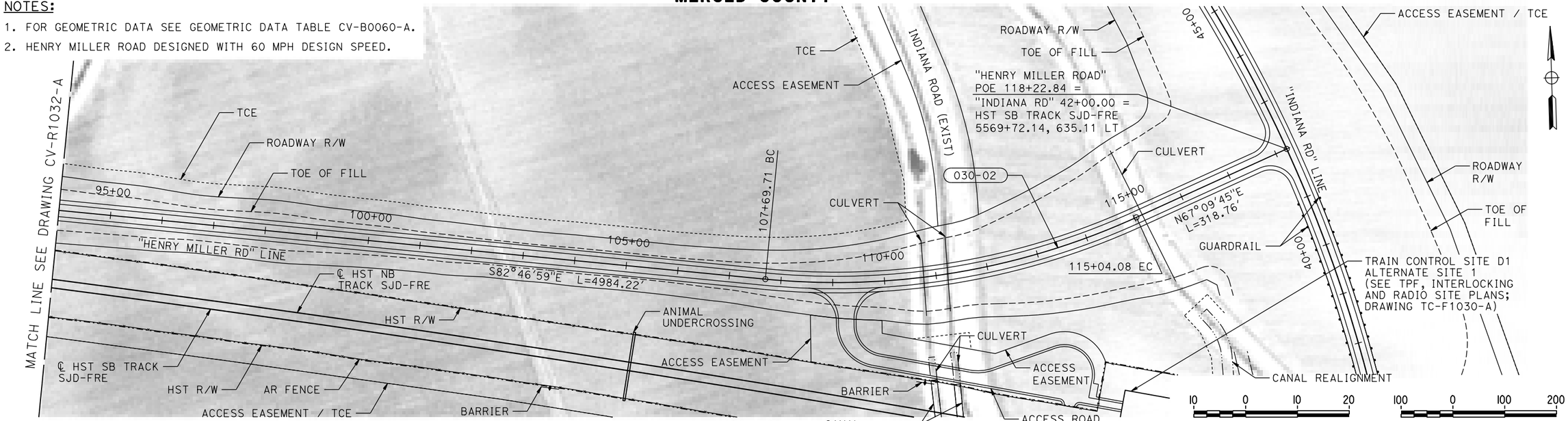
CONTRACT NO. HSR08-05
DRAWING NO. CV-R1032-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1032-A.dgn
16-MAR-2016 3:18
p0042226

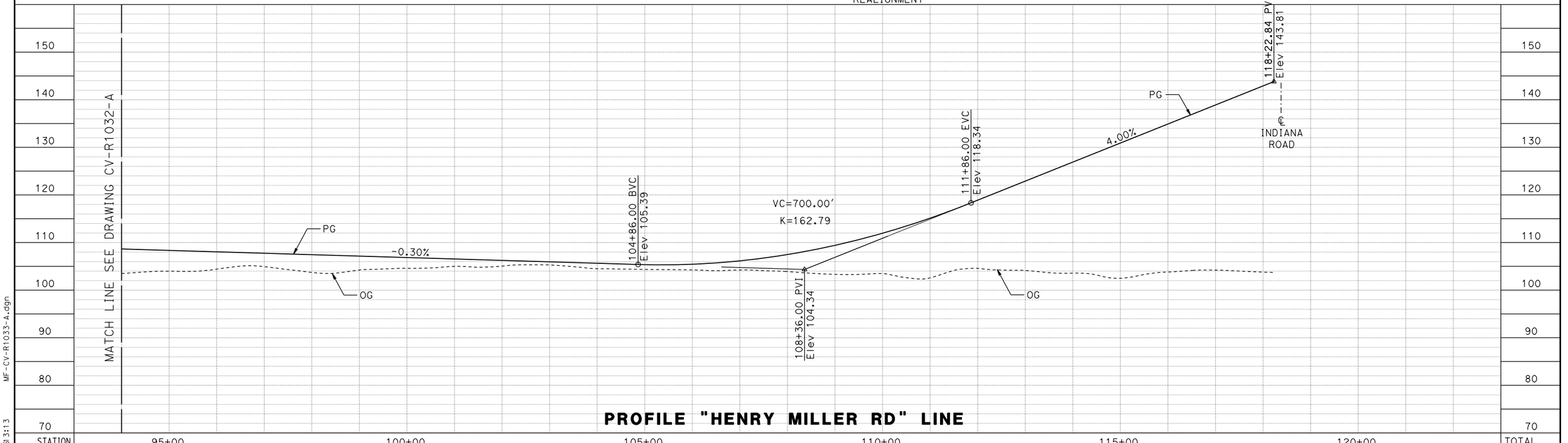
NOTES:

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

MERCED COUNTY



PLAN



PROFILE "HENRY MILLER RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

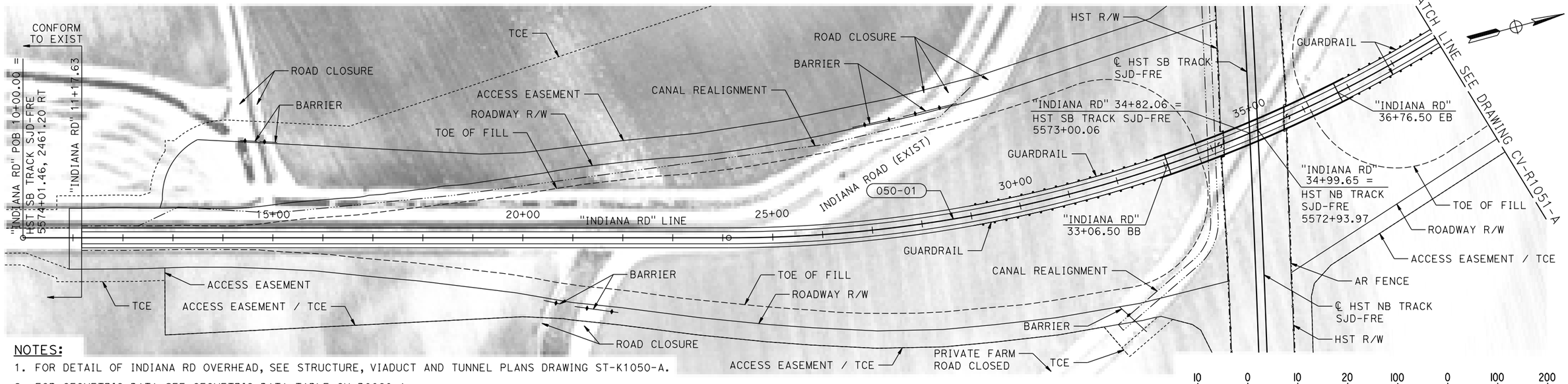
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1033-A.dgn
15-MAR-2016 13:13
p0042226

MERCED COUNTY



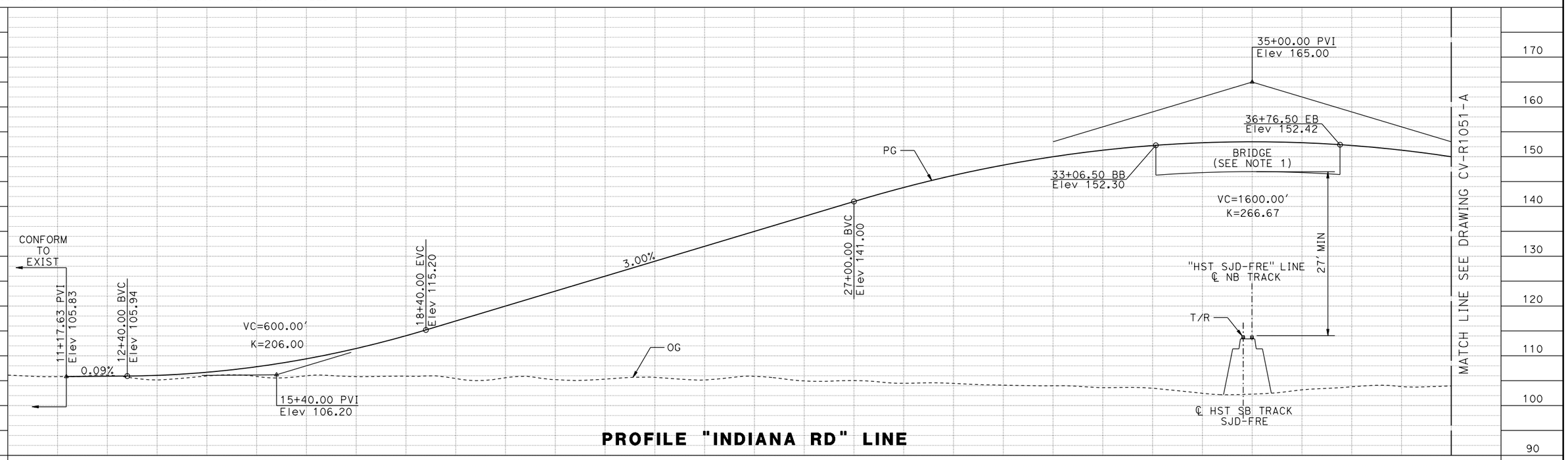
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "INDIANA 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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

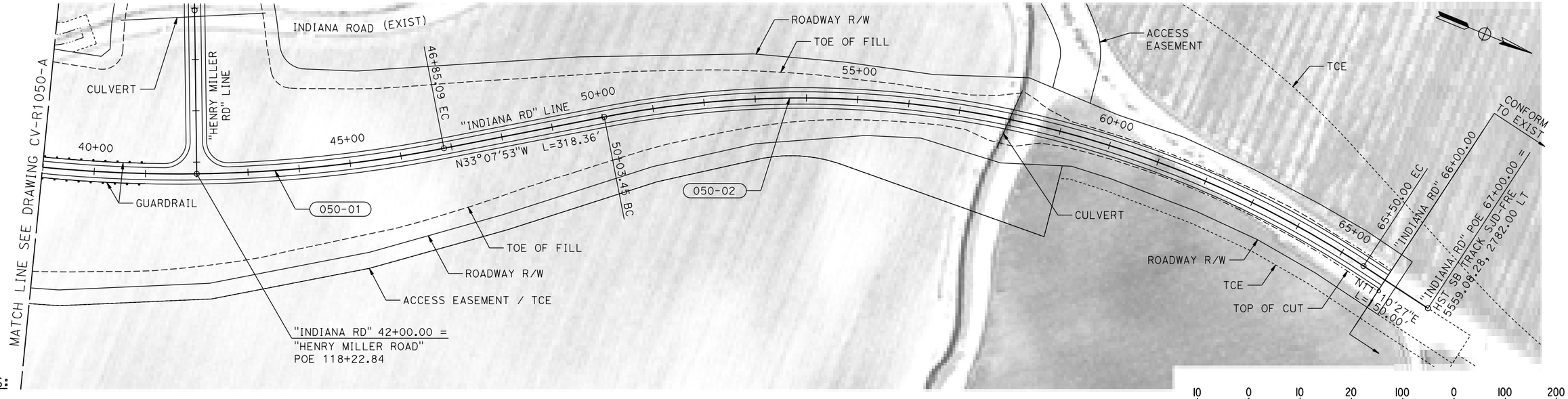
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1050-A.dgn
15-MAR-2016 3:14
p0042226

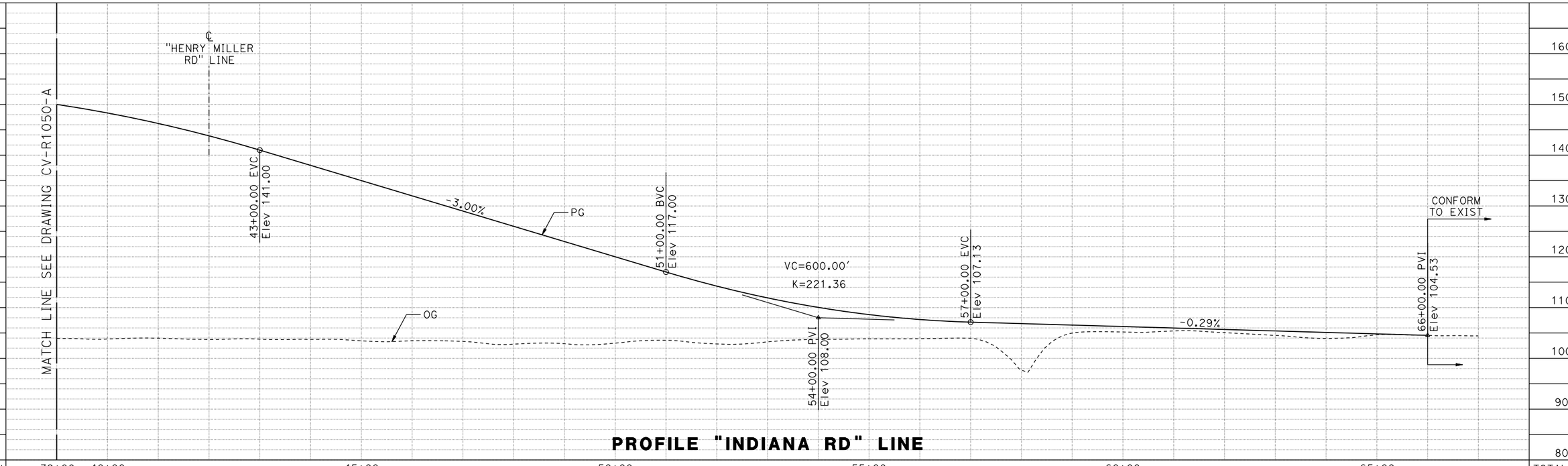
MADERA COUNTY



NOTES:

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

PLAN



PROFILE "INDIANA RD" LINE

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

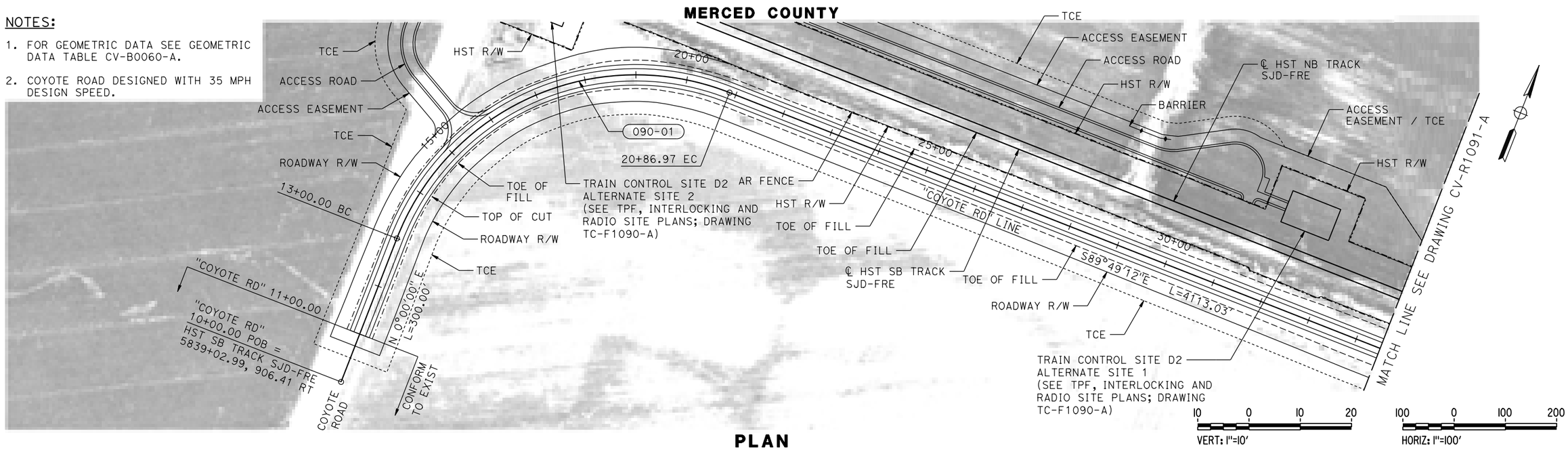
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
INDIANA ROAD GRADE SEPARATION

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

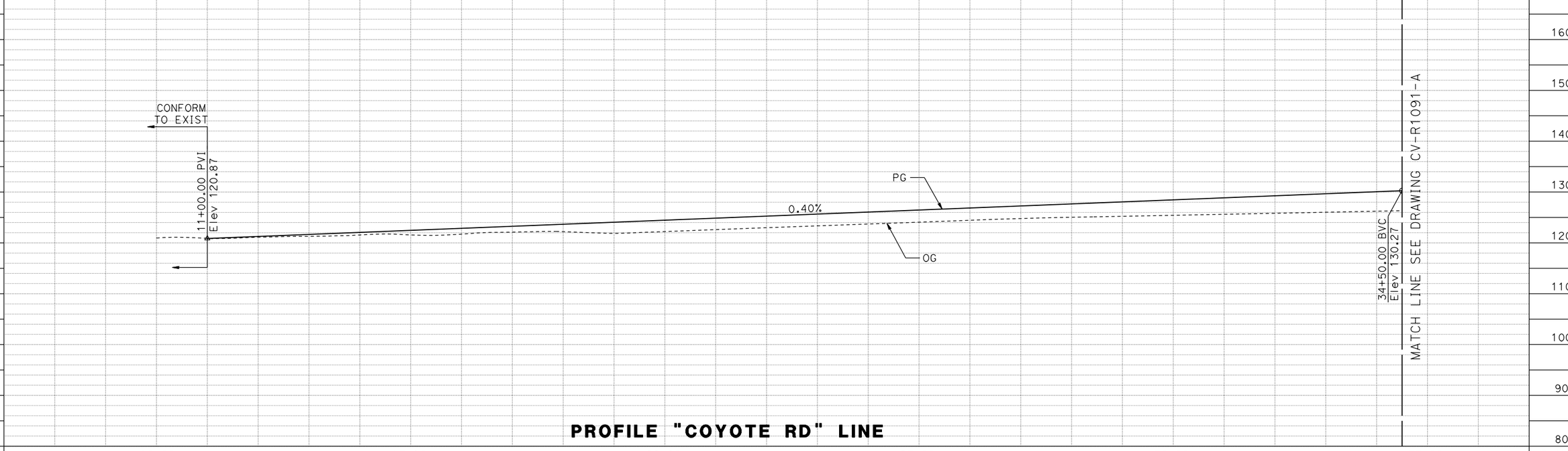
MF-CV-R1051-A.dgn
15-MAR-2016 3:15
p0042226

NOTES:

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



PLAN



PROFILE "COYOTE RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

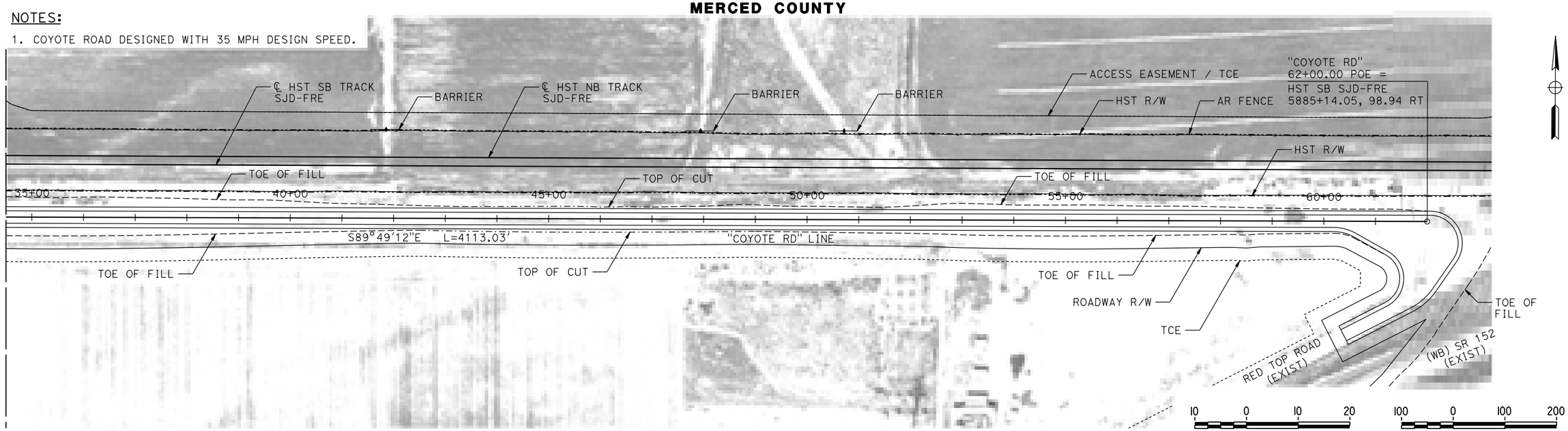
CONTRACT NO. HSR08-05
DRAWING NO. CV-R1090-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1090-A.dgn
17-NOV-2016 09:20
p0035486

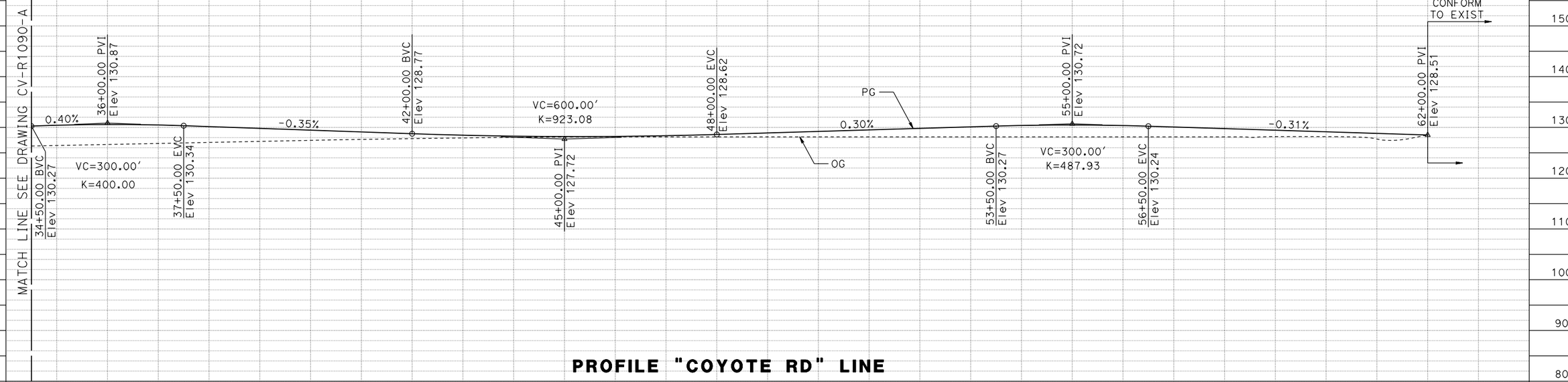
NOTES:

1. COYOTE ROAD DESIGNED WITH 35 MPH DESIGN SPEED.

MATCH LINE SEE DRAWING CV-R1090-A



PLAN



PROFILE "COYOTE RD" LINE

STATION		35+00	40+00	45+00	50+00	55+00	60+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

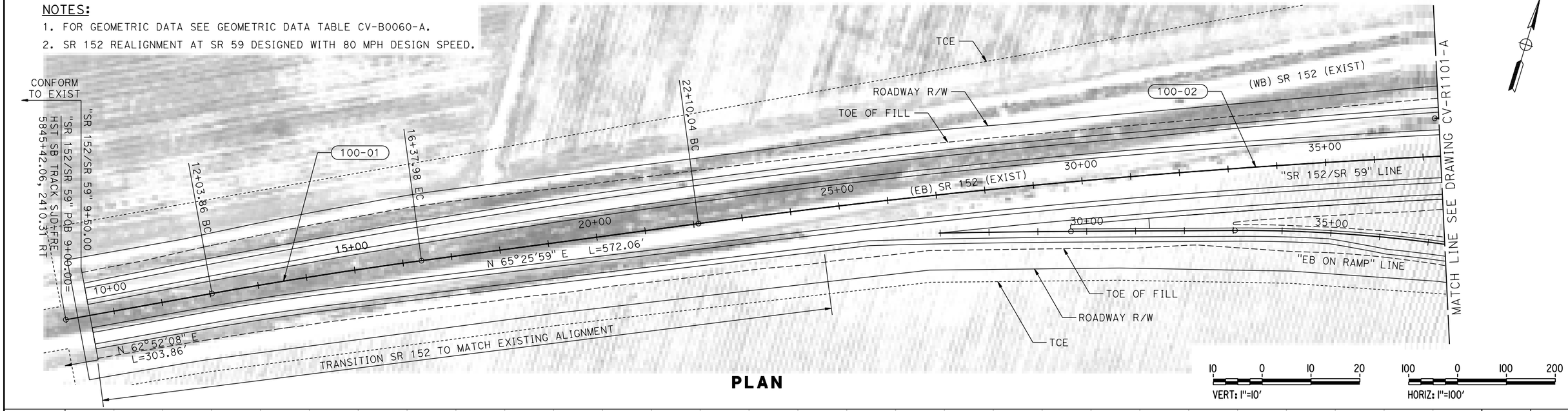
CONTRACT NO. HSR08-05
DRAWING NO. CV-R1091-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1091-A.dgn
17-NOV-2016 10:53
p0035486

MERCED COUNTY

NOTES:

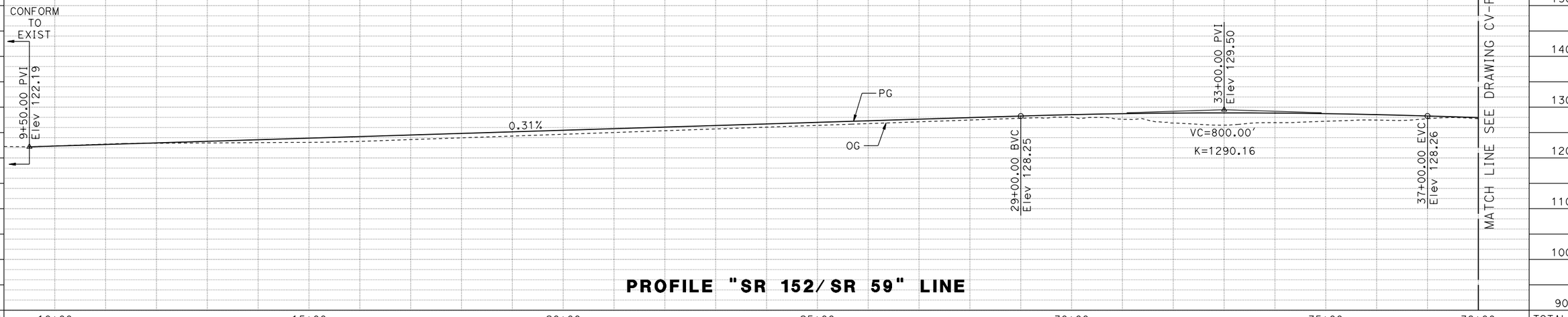
1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. SR 152 REALIGNMENT AT SR 59 DESIGNED WITH 80 MPH DESIGN SPEED.



PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/SR 59" LINE

STATION	10+00	15+00	20+00	25+00	30+00	35+00	38+00	TOTAL
CY EXC								
CY EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

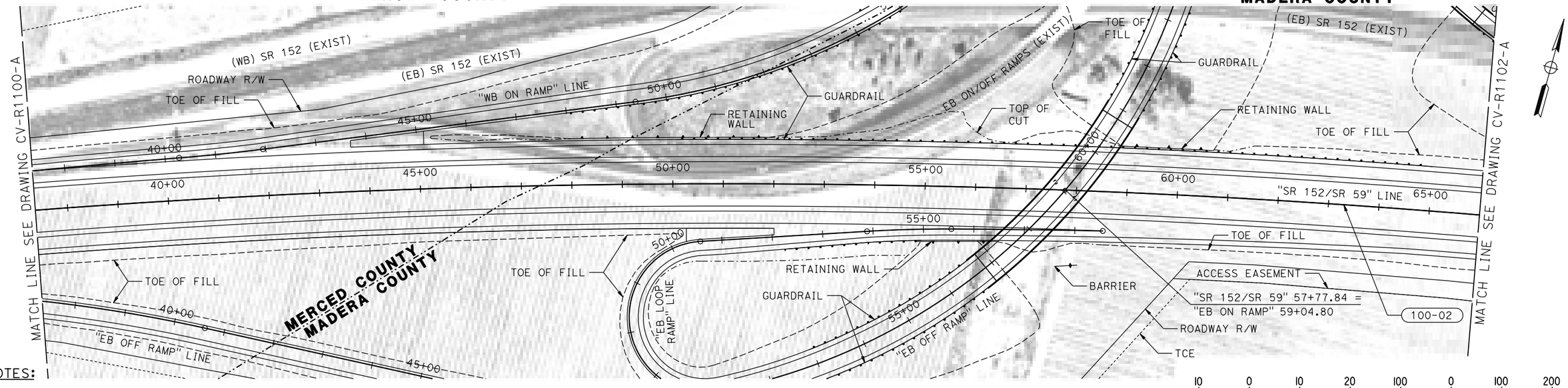
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1100-A.dgn
09-MAR-2016 13:37
p0051334

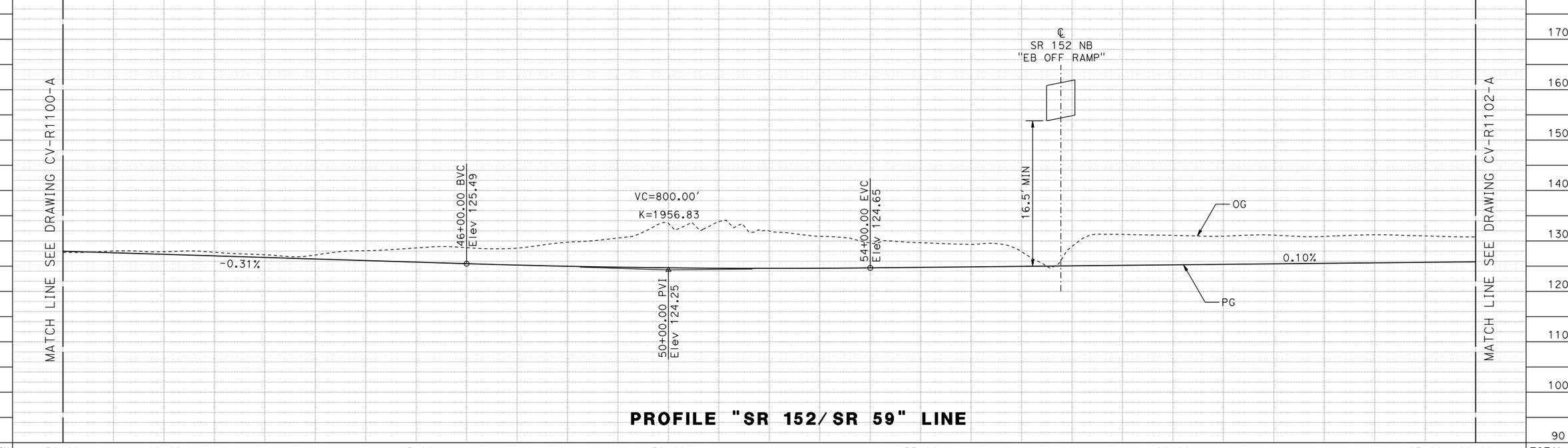


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "SR 152/SR 59" LINE

STATION		38+00	40+00	45+00	50+00	55+00	60+00	65+00	66+00	TOTAL
CY	EXC									
	EMB									

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

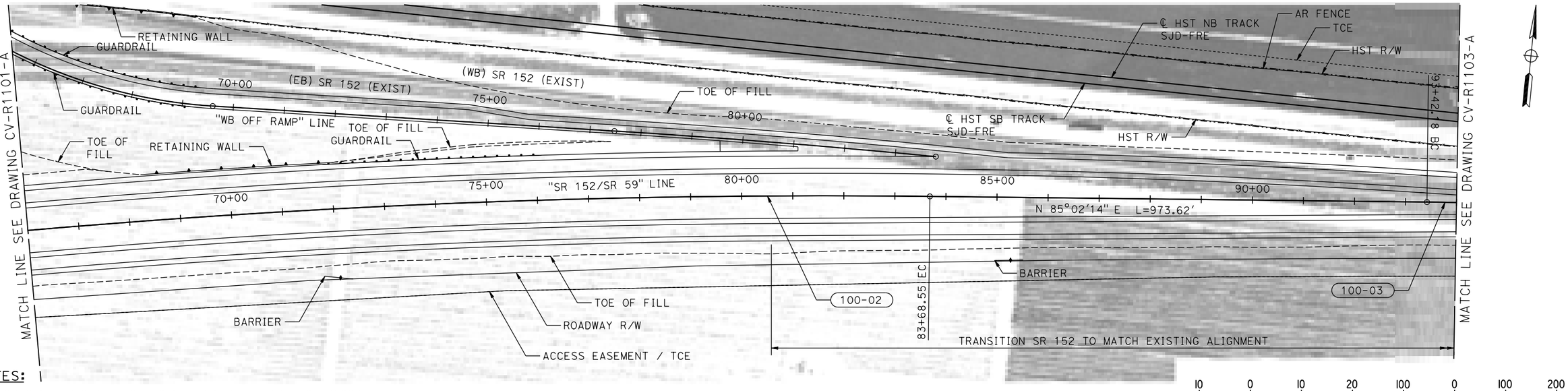
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1101-A.dgn
15-MAR-2016 13:17
p0042226

MADERA COUNTY



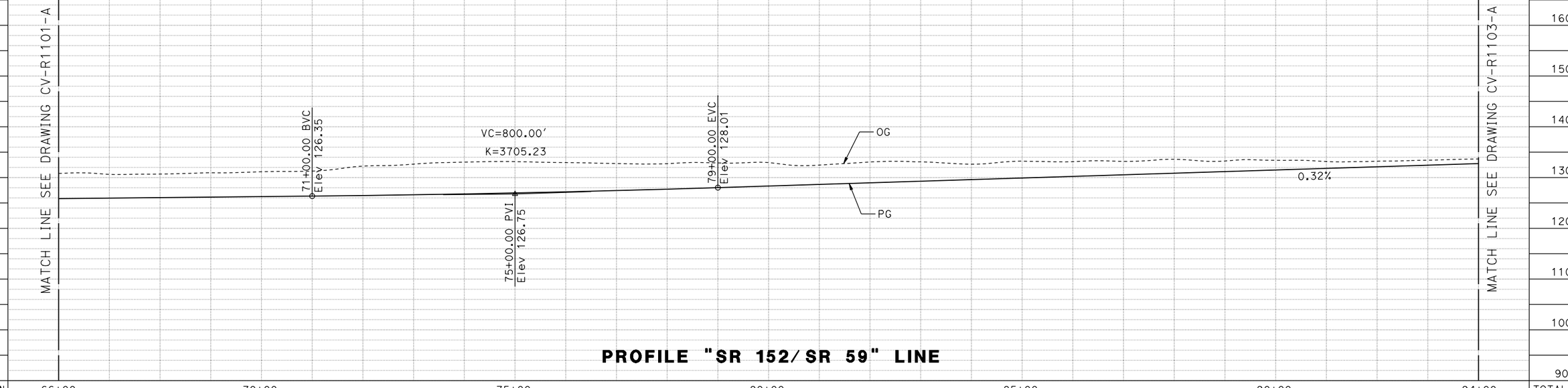
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/ SR 59" 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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

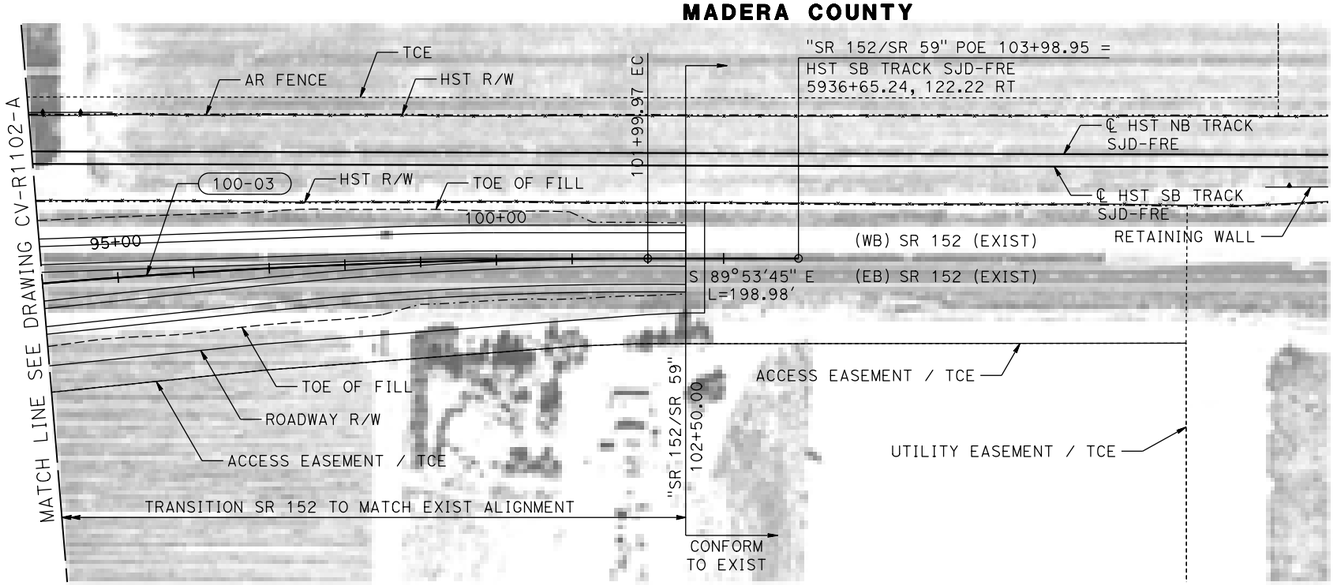
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1102-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1102-A.dgn
15-MAR-2016 13:17
p0042226

MADERA COUNTY



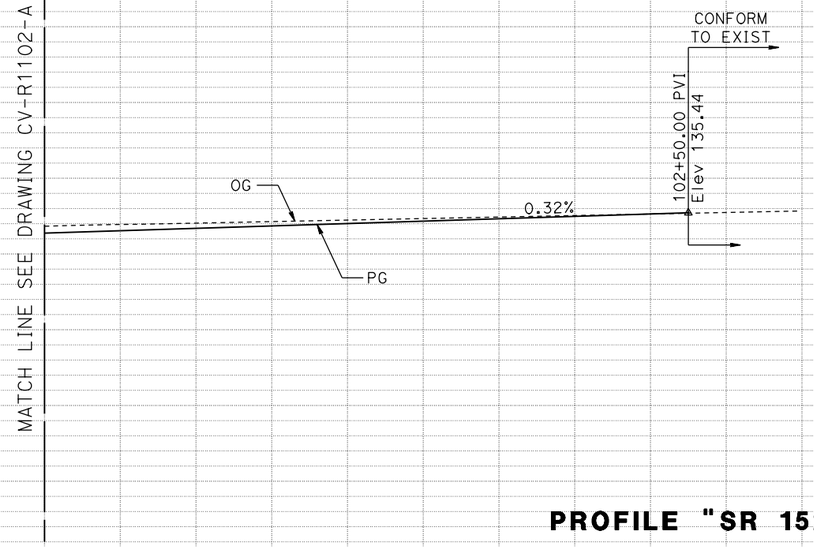
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/ SR 59" LINE

STATION		94+00	100+00	105+00	110+00	TOTAL
CY	EXC					
	EMB					

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

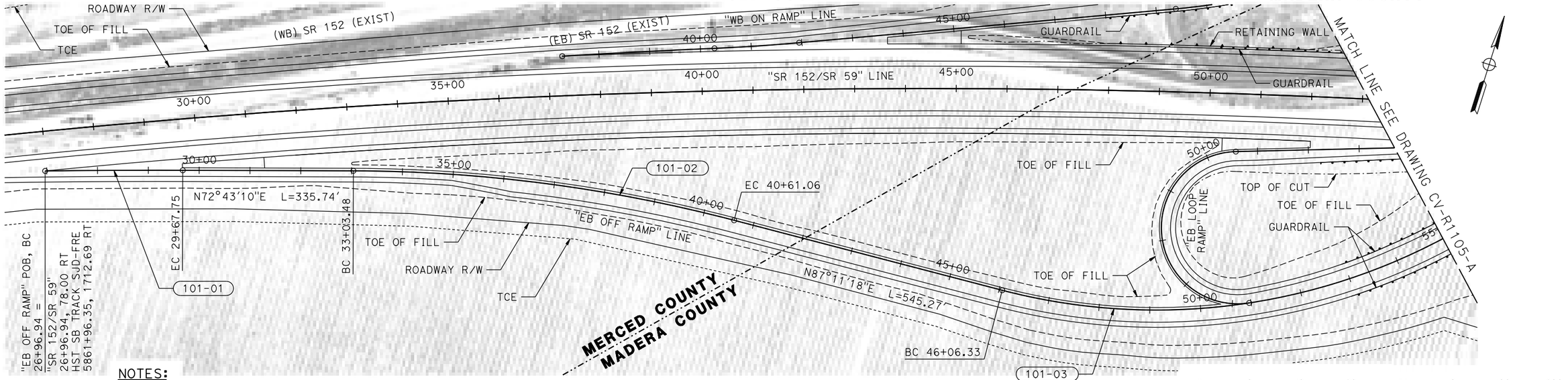
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1103-A.dgn
15-MAR-2016 3:18
p0042226



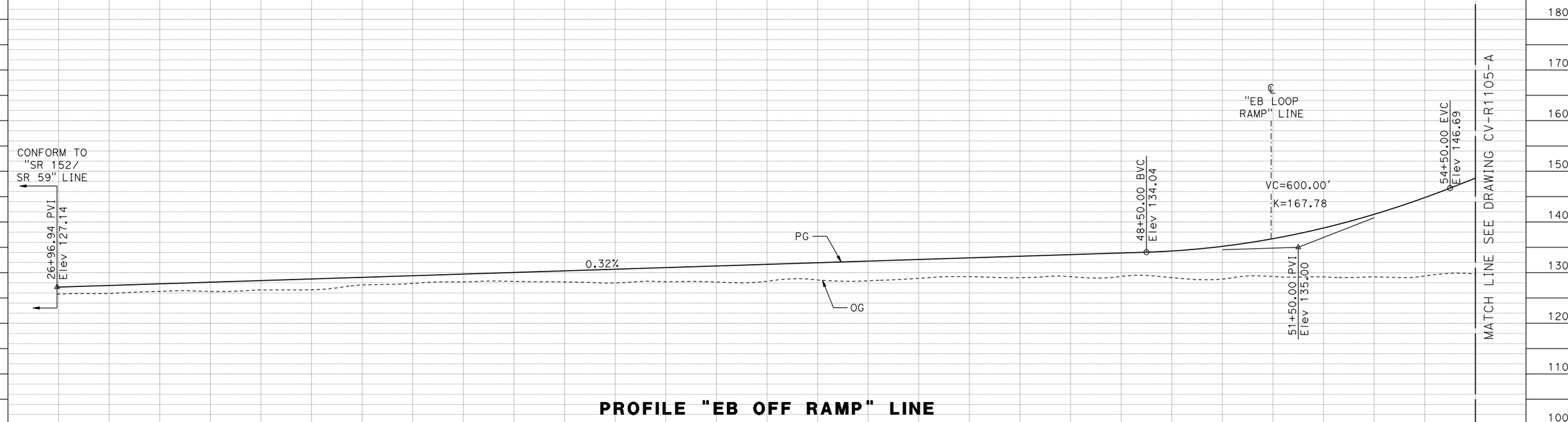
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
2. SR 59/SR 152 EB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB OFF RAMP" LINE

STATION		30+00	35+00	40+00	45+00	50+00	55+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

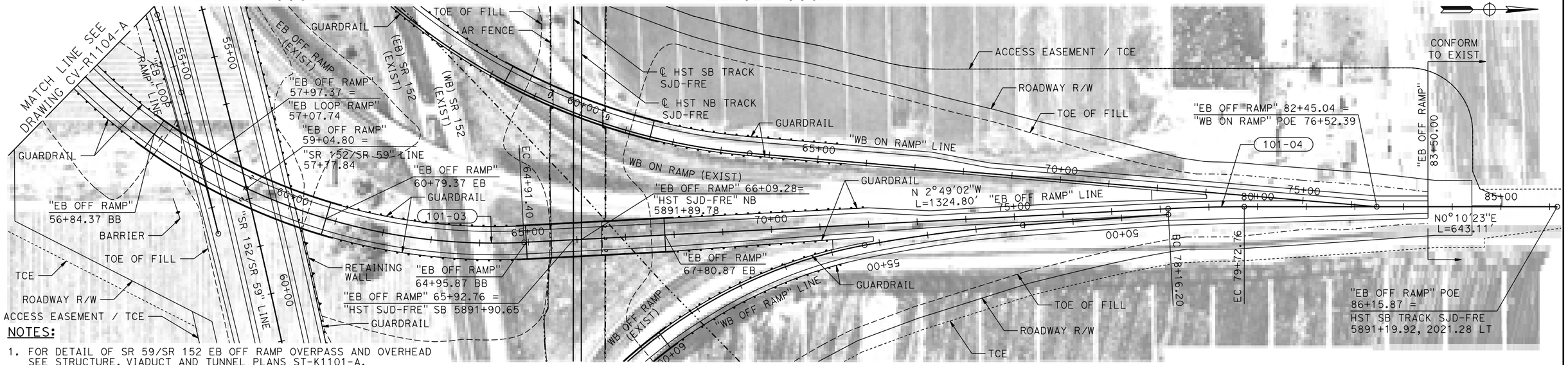
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1104-A.dgn
09-MAR-2016 3:39
p0051133A

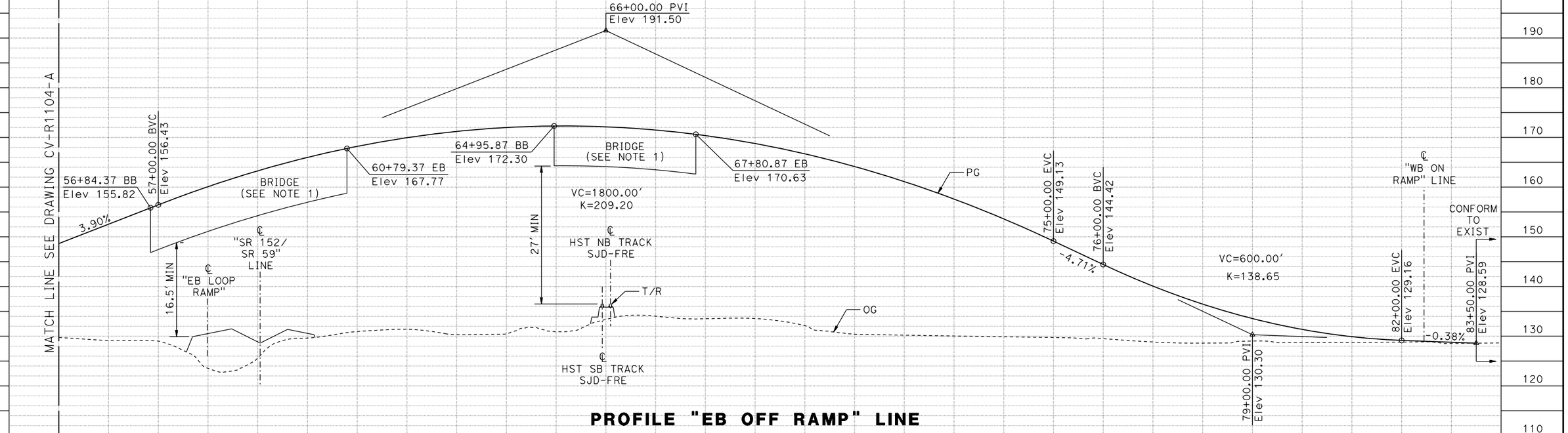


NOTES:

1. FOR DETAIL OF SR 59/SR 152 EB OFF RAMP OVERPASS AND OVERHEAD SEE STRUCTURE, VIADUCT AND TUNNEL PLANS ST-K1101-A.
2. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0060-A.
3. SR 59/SR 152 EB OFF RAMP DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' (10 0 10 20)
HORIZ: 1"=100' (100 0 100 200)



PROFILE "EB OFF RAMP" LINE

STATION	55+00	60+00	65+00	70+00	75+00	80+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

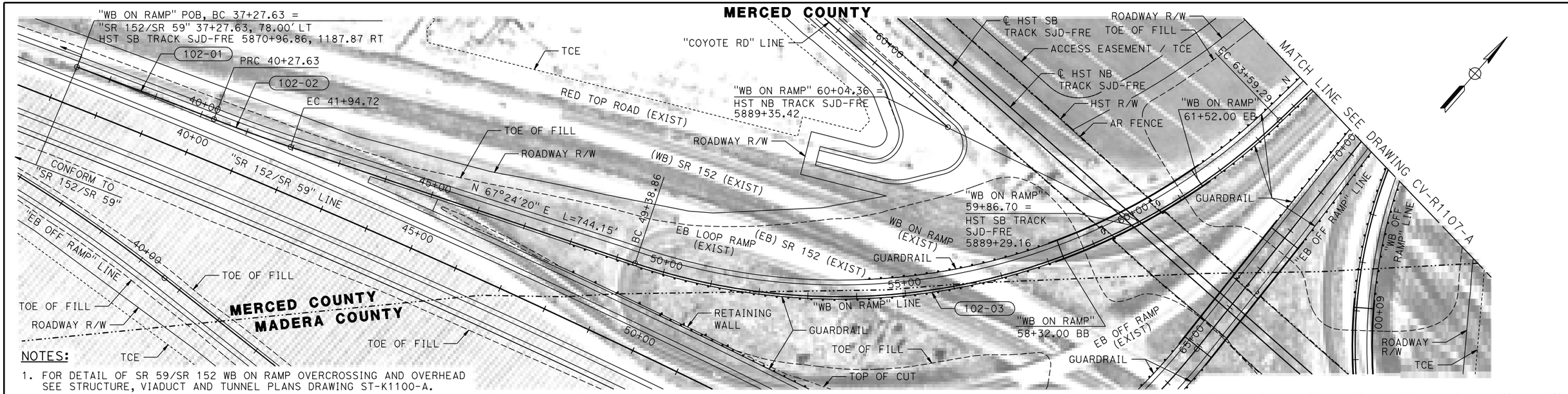
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

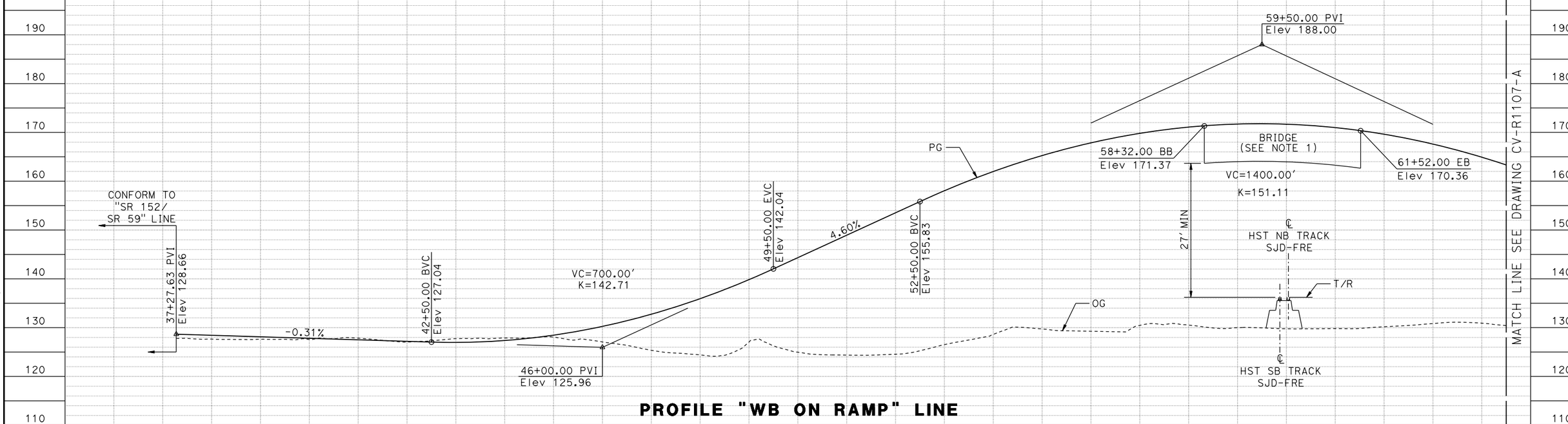
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 EB OFF RAMP GRADE SEPARATION

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

MF-CV-R1105-A.dgn
15-MAR-2016 13:19
p0042226



PLAN



PROFILE "WB ON RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

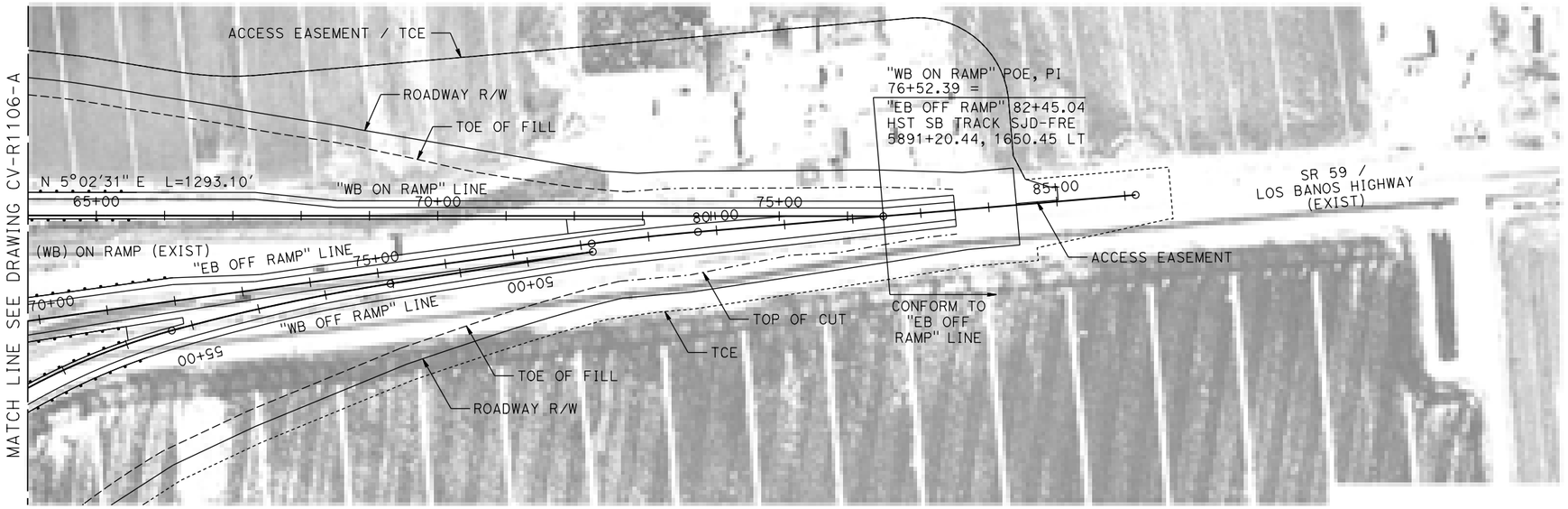
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1106-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1106-A.dgn
15-MAR-2016 13:20
p0042226

MERCED COUNTY



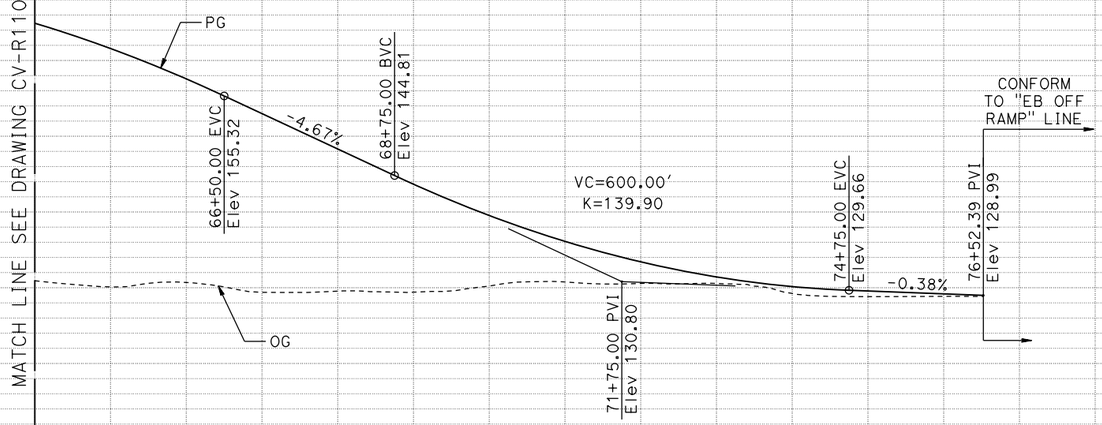
NOTES:

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

PLAN

10 0 10 20
VERT: 1"=10'

100 0 100 200
HORIZ: 1"=100'



PROFILE "WB ON RAMP" LINE

STATION		64+00	65+00	70+00	75+00	80+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

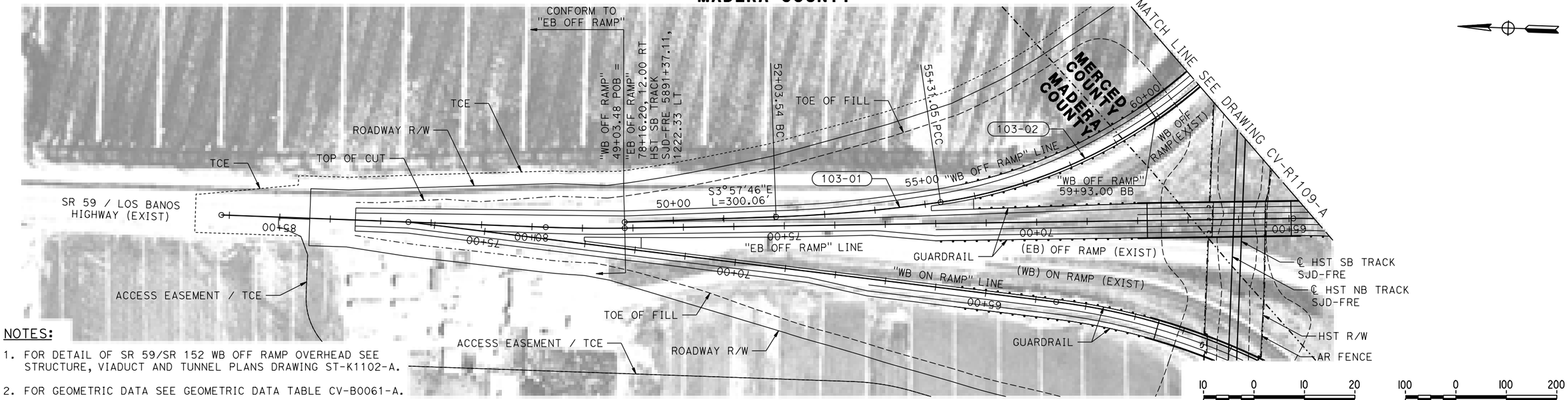
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1107-A.dgn
15-MAR-2016 3:20
p0042226

MADERA COUNTY



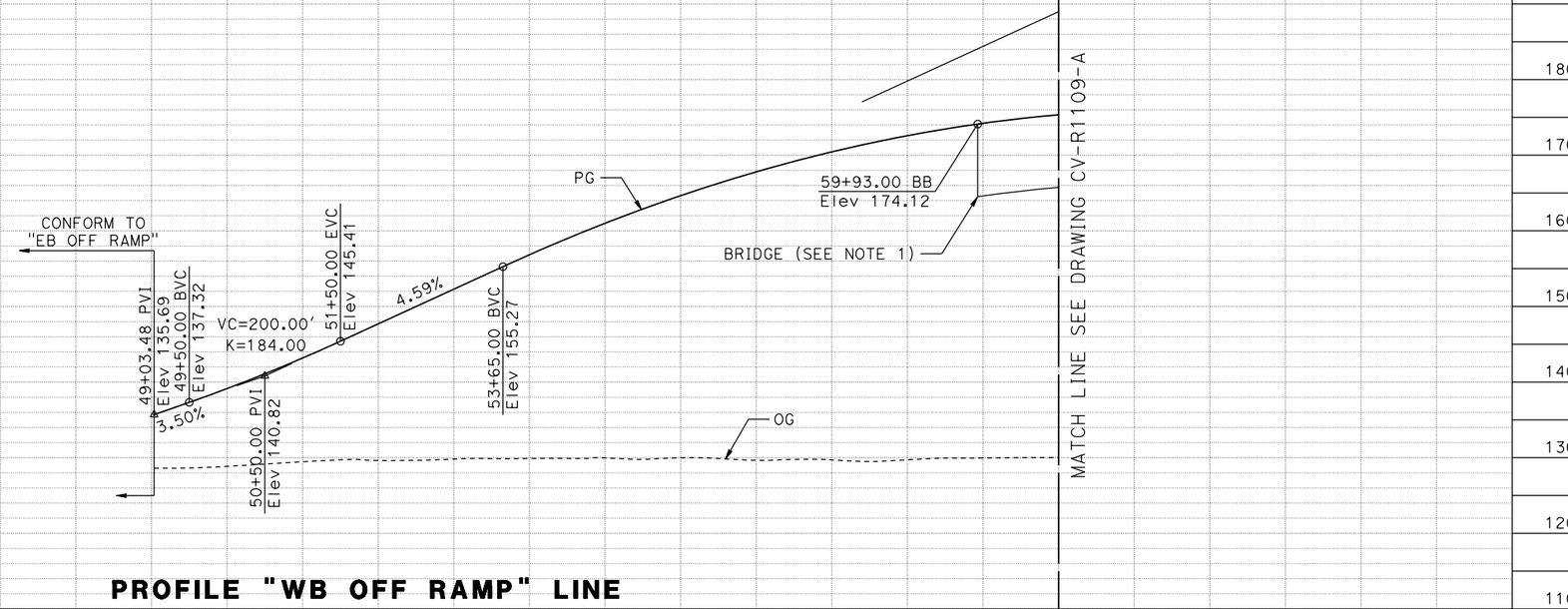
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "WB OFF RAMP" LINE

STATION		49+00	50+00	55+00	60+00	61+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

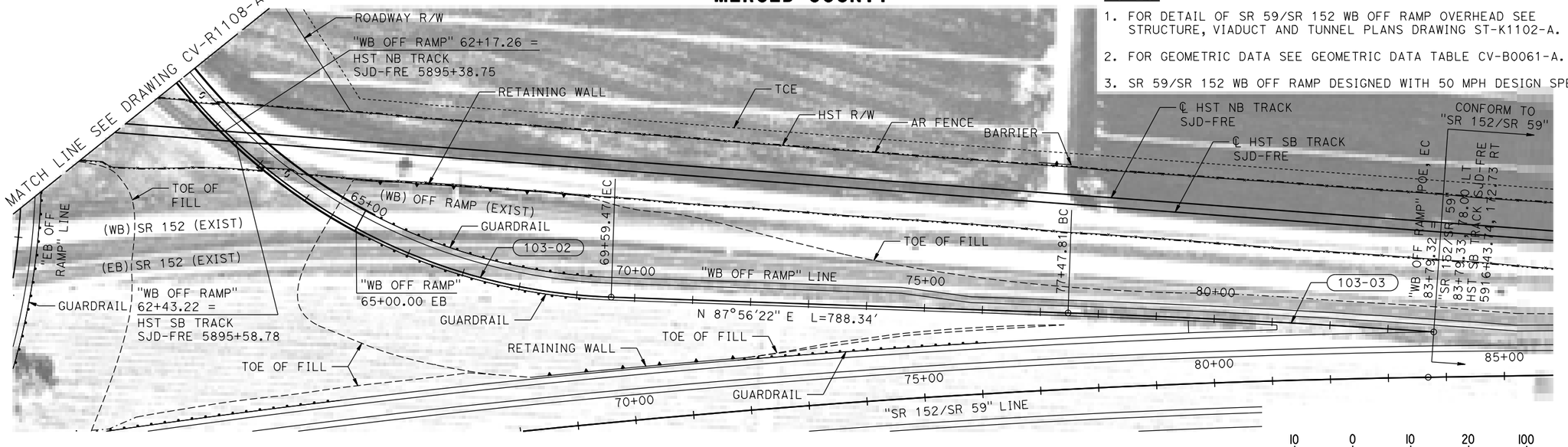
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MERCED COUNTY

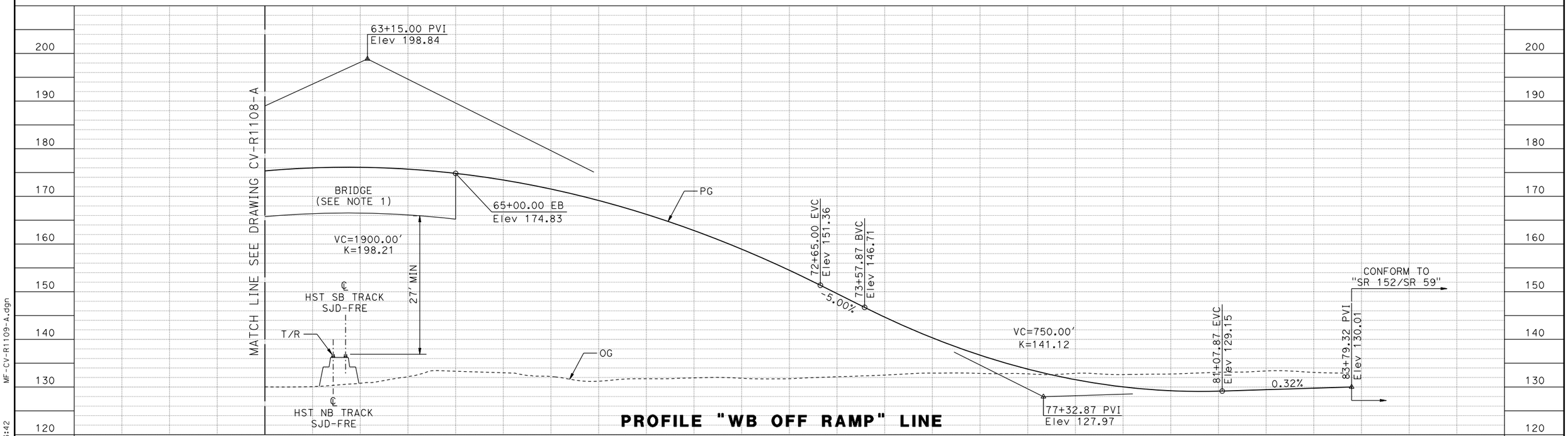


PLAN

NOTES:

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

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "WB OFF RAMP" LINE

STATION		61+00	65+00	70+00	75+00	80+00	85+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

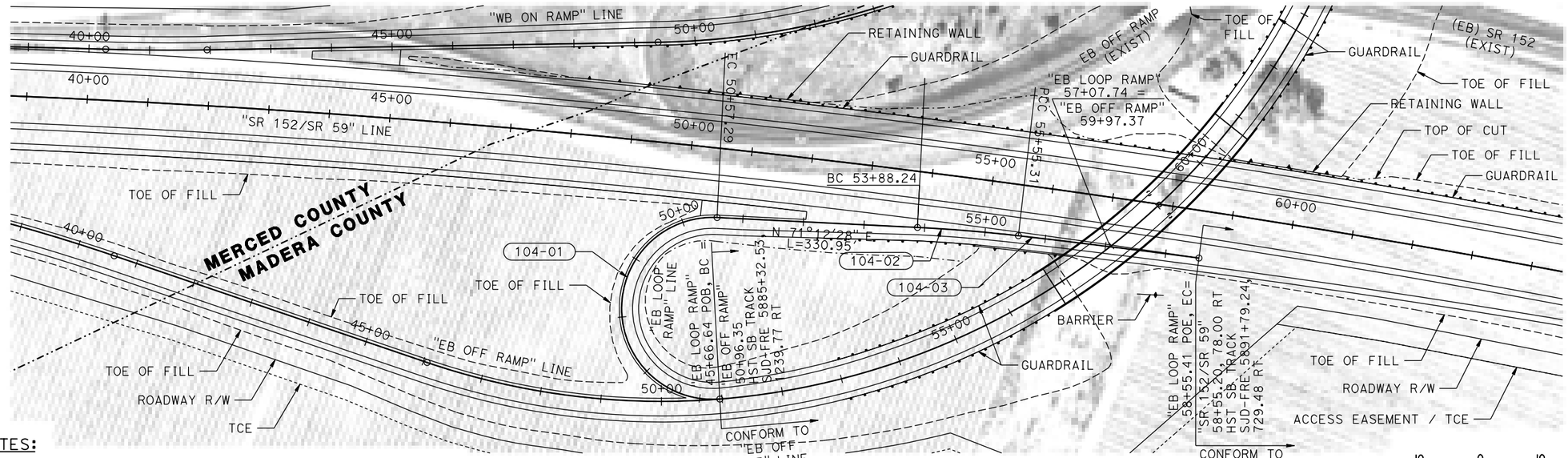
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1109-A.dgn
09-MAR-2016 3:42
p0051133A



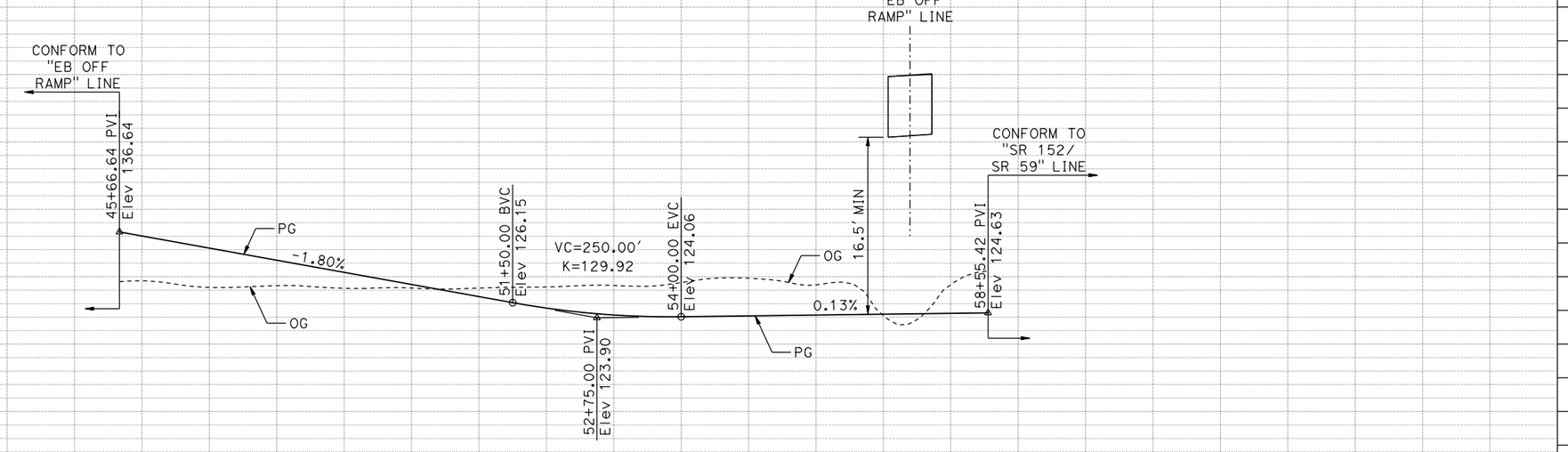
PLAN

NOTES:

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

VERT: 1"=10'

HORIZ: 1"=100'



PROFILE "EB LOOP RAMP" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

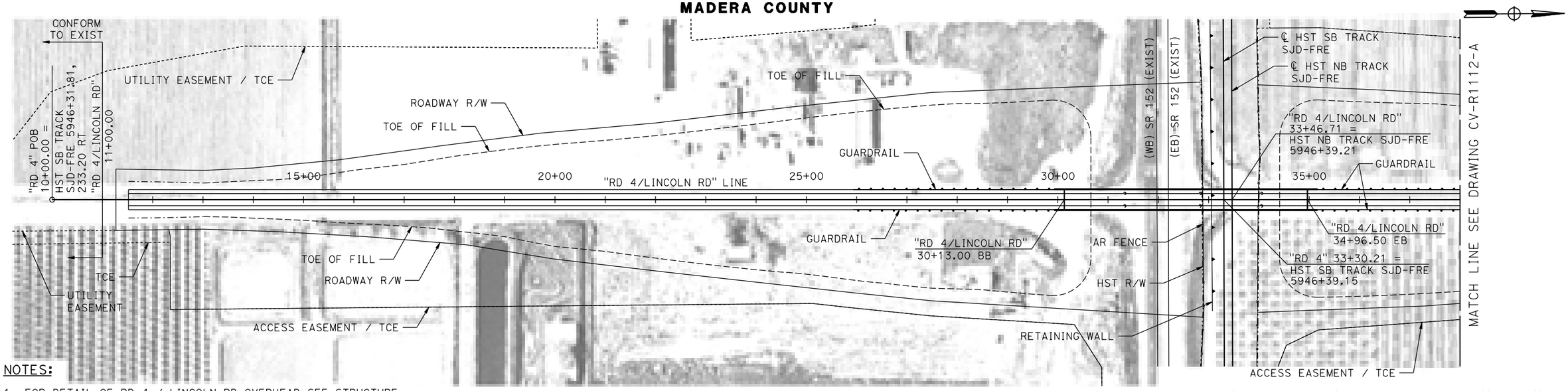
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 59/SR 152 EB LOOP ON RAMP

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

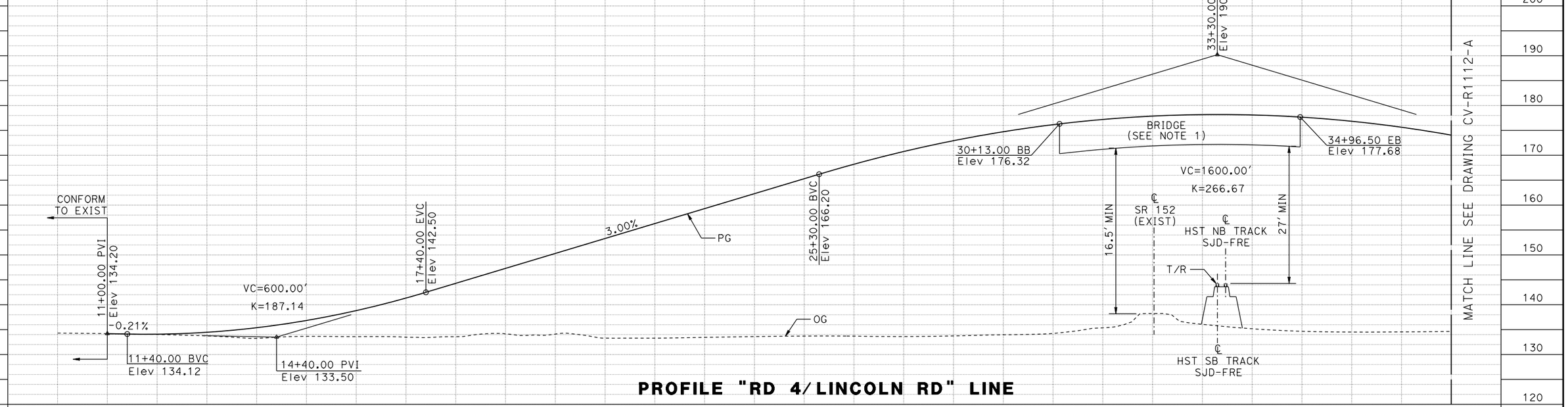
MF-CV-R1110-A.dgn
15-MAR-2016 13:21
p0042226



PLAN

NOTES:

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



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

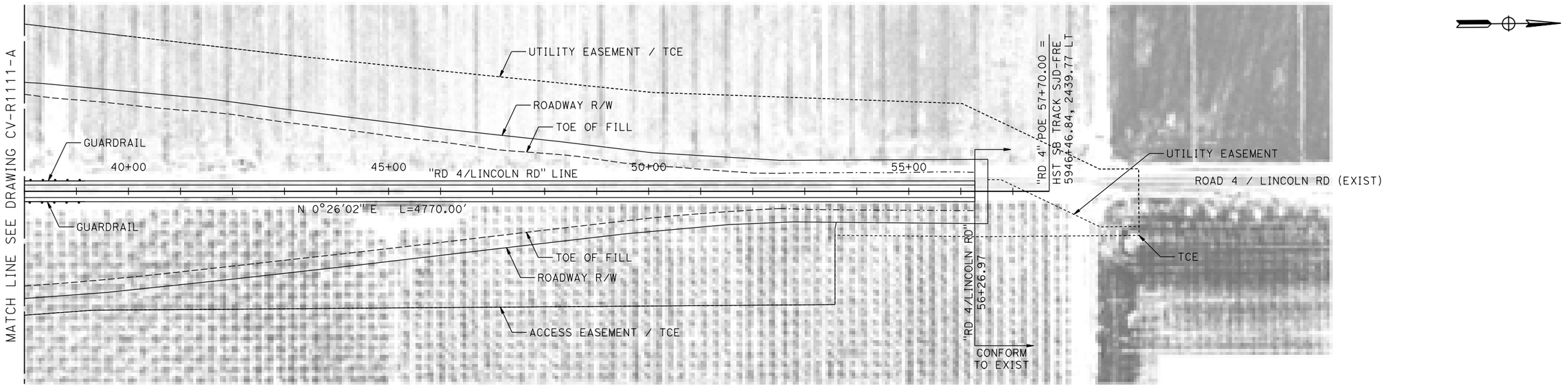
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1111-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1111-A.dgn
15-MAR-2016 13:22
p0042226

MADERA COUNTY

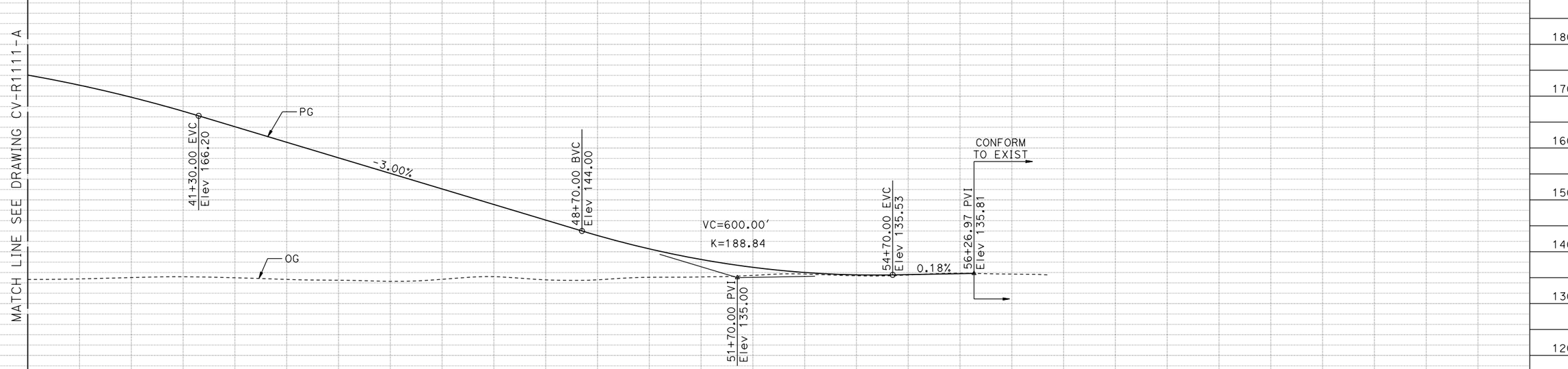


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "RD 4/LINCOLN RD" LINE

STATION		38+00	40+00	45+00	50+00	55+00	60+00	65+00	TOTAL
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

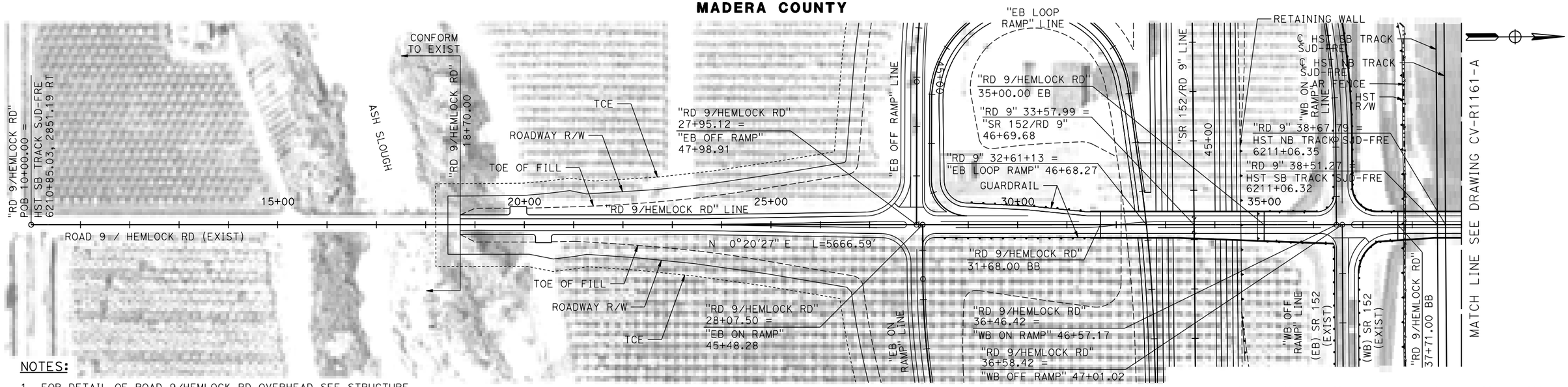
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



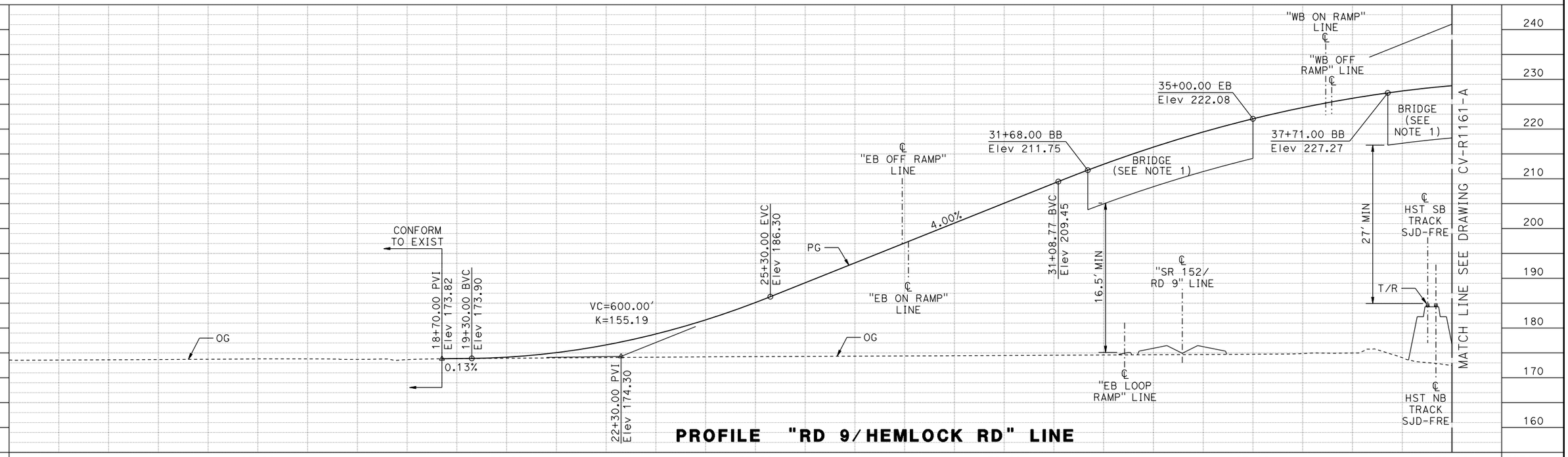
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 9/HEMLOCK RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

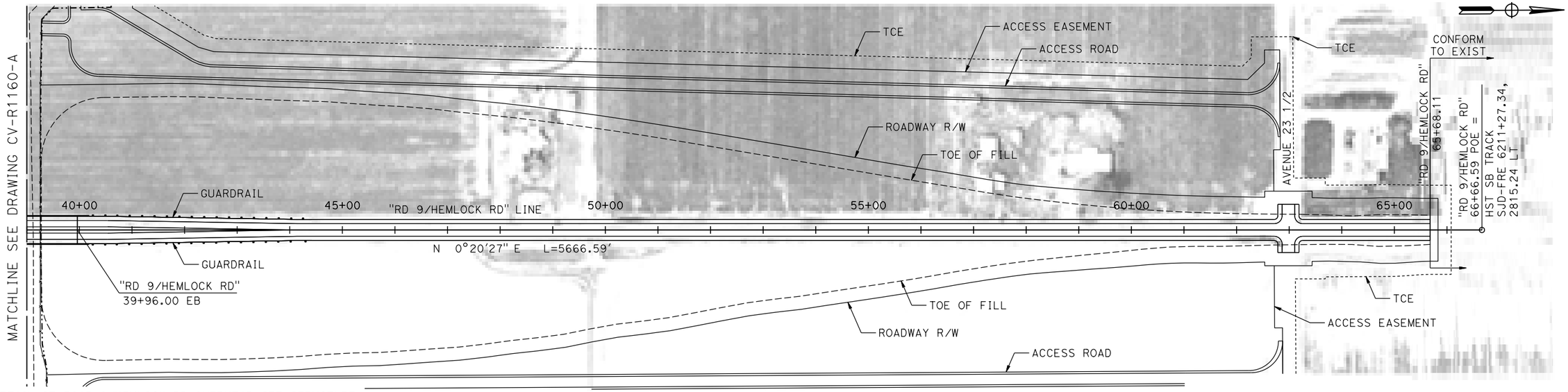
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

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

MF-CV-R1160-A.dgn
15-MAR-2016 13:23
p0042226

MADERA COUNTY



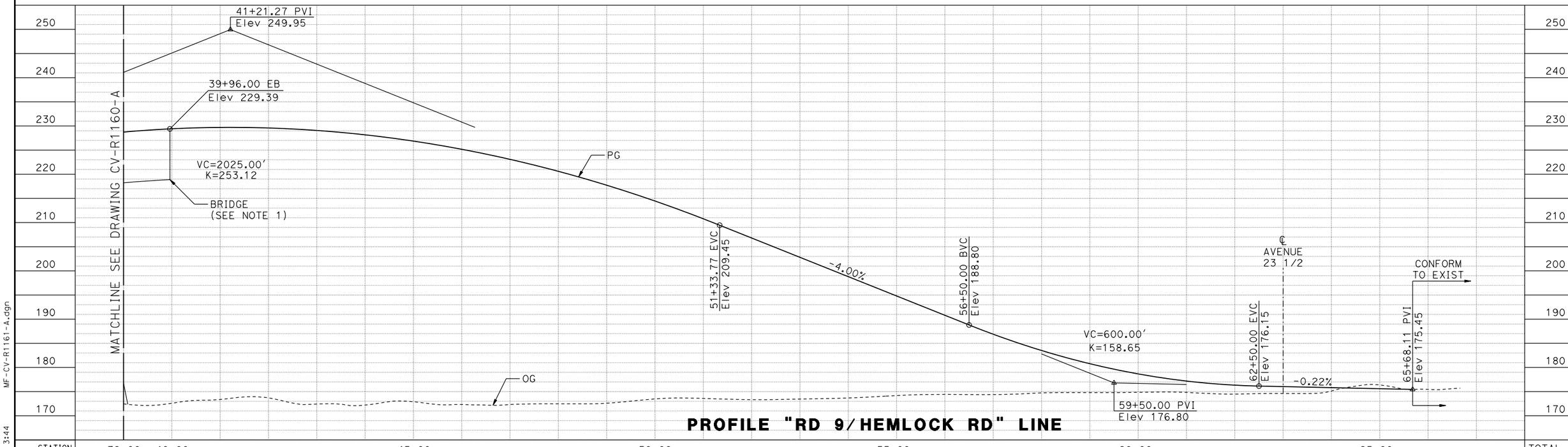
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 9/HEMLOCK RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

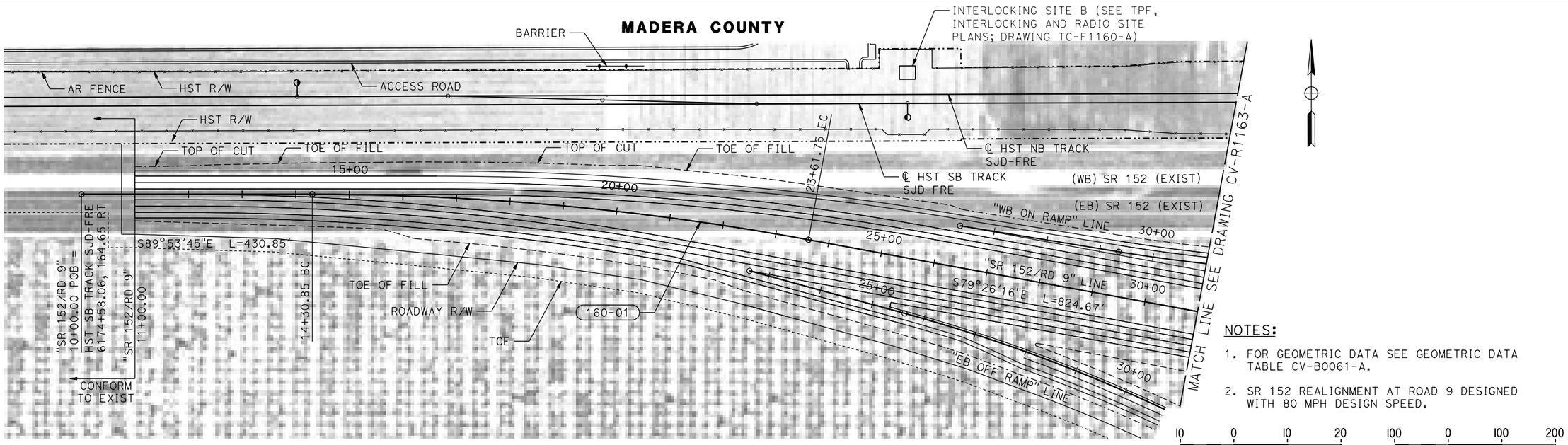
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/HEMLOCK ROAD GRADE SEPARATION

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

MF-CV-R1161-A.dgn
09-MAR-2016 13:44
p0051133A



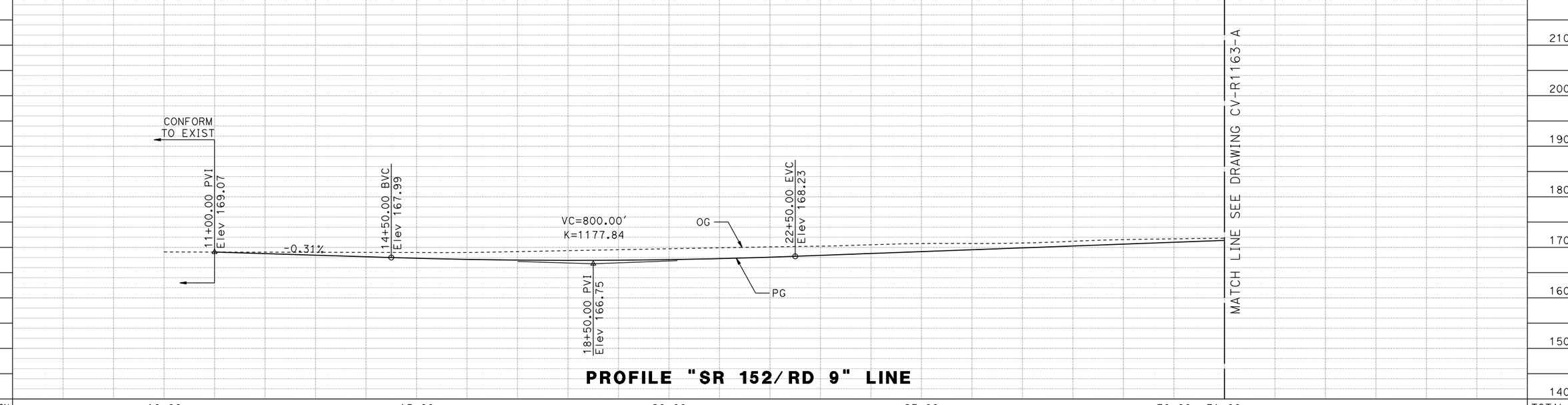
PLAN

NOTES:

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

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/RD 9" LINE

STATION	10+00	15+00	20+00	25+00	30+00	31+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

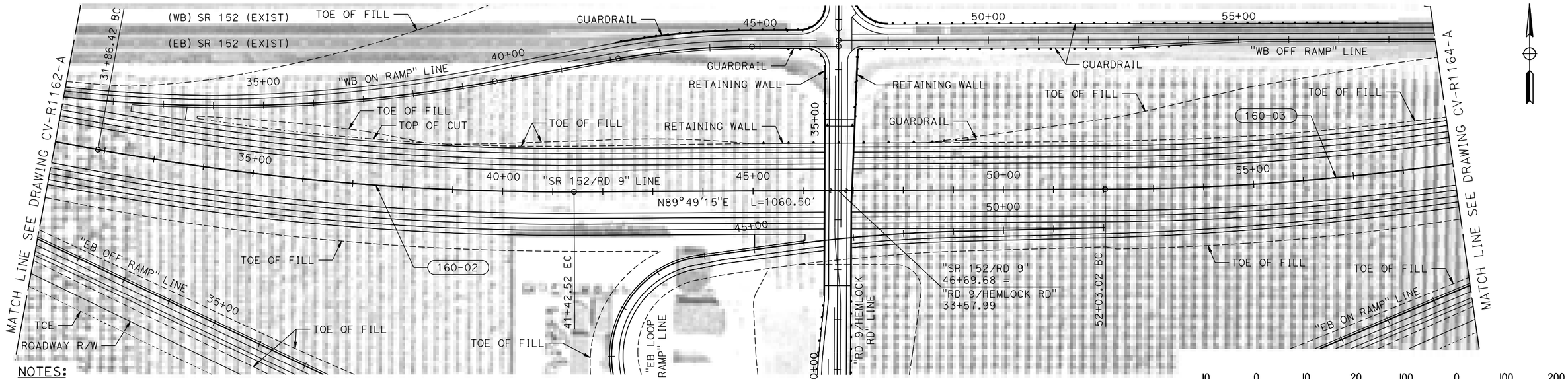
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

MF-CV-R1162-A.dgn
15-MAR-2016 13:24
p0042226

MADERA COUNTY



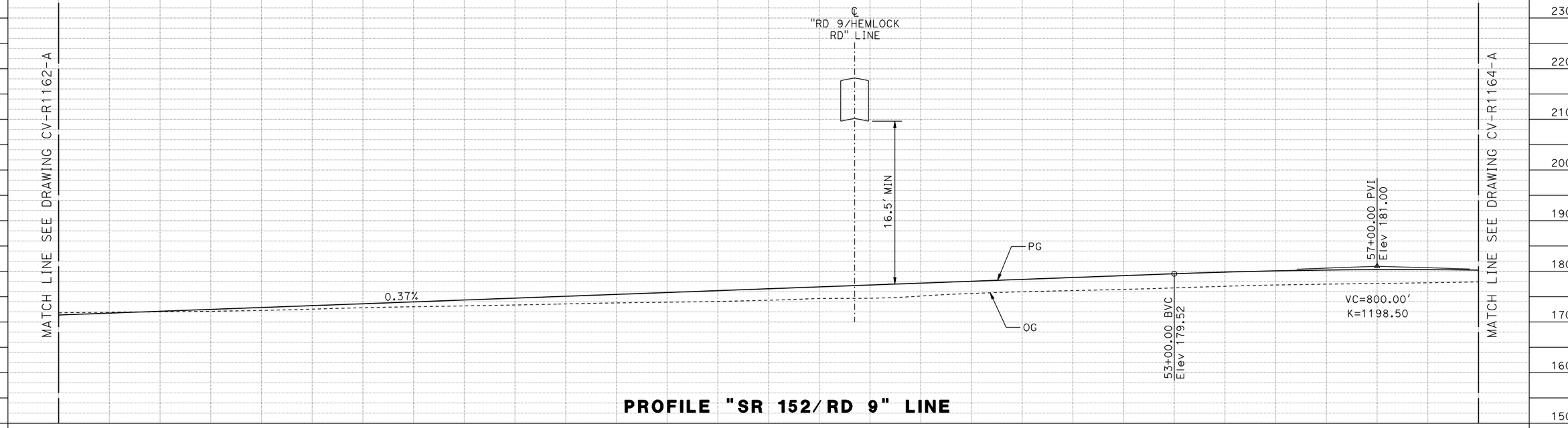
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/RD 9" LINE

STATION		30+00	35+00	40+00	45+00	50+00	55+00	59+00	TOTAL
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

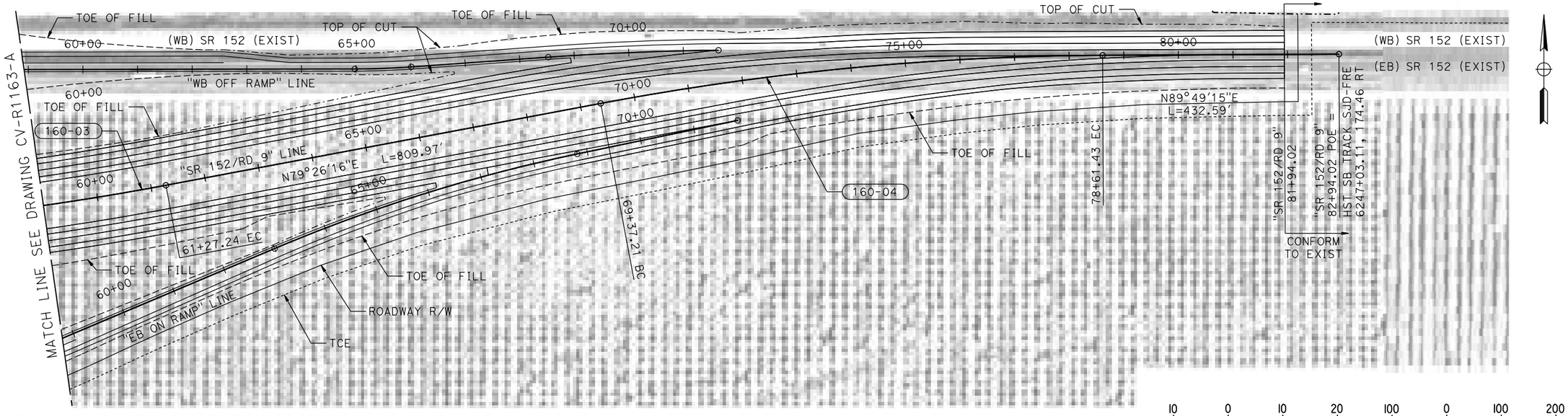
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1163-A.dgn
15-MAR-2016 3:24
p0042226

MADERA COUNTY



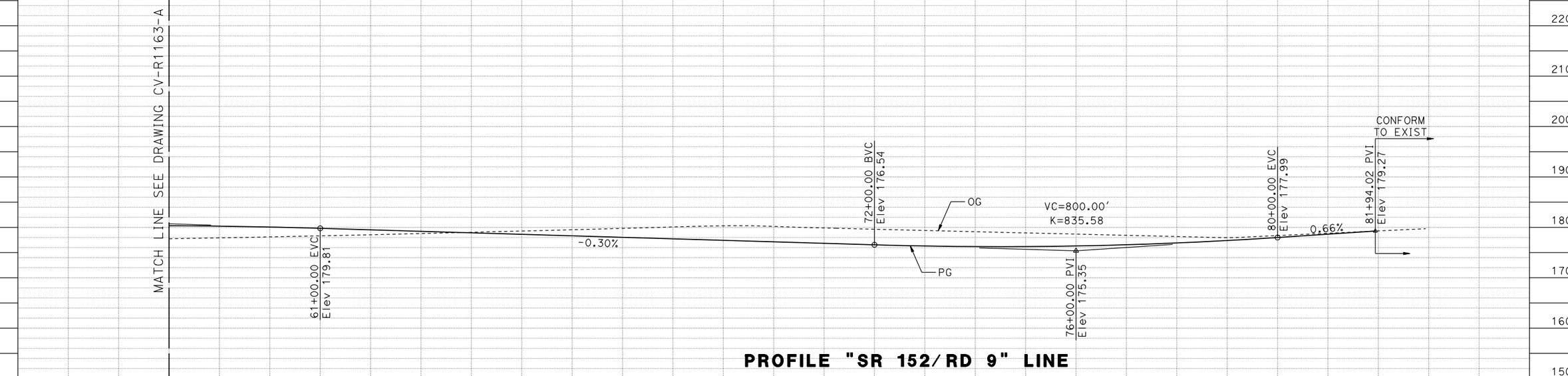
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/RD 9" LINE

STATION		59+00	60+00	65+00	70+00	75+00	80+00	85+00	TOTAL
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

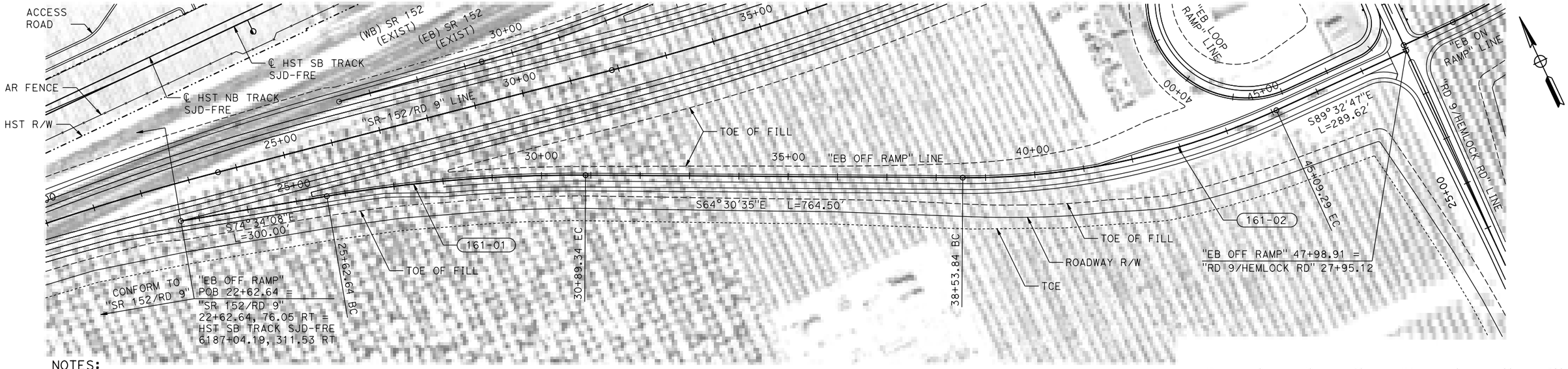
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1164-A.dgn
09-MAR-2016 3:46
p0051133A

MADERA COUNTY

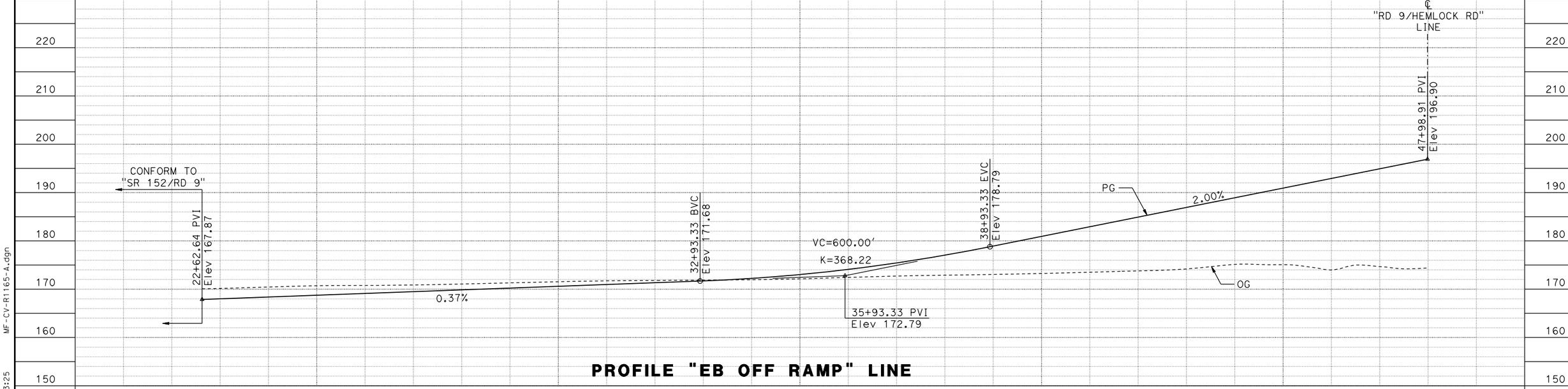


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "EB OFF RAMP" LINE

STATION		25+00	30+00	35+00	40+00	45+00	48+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

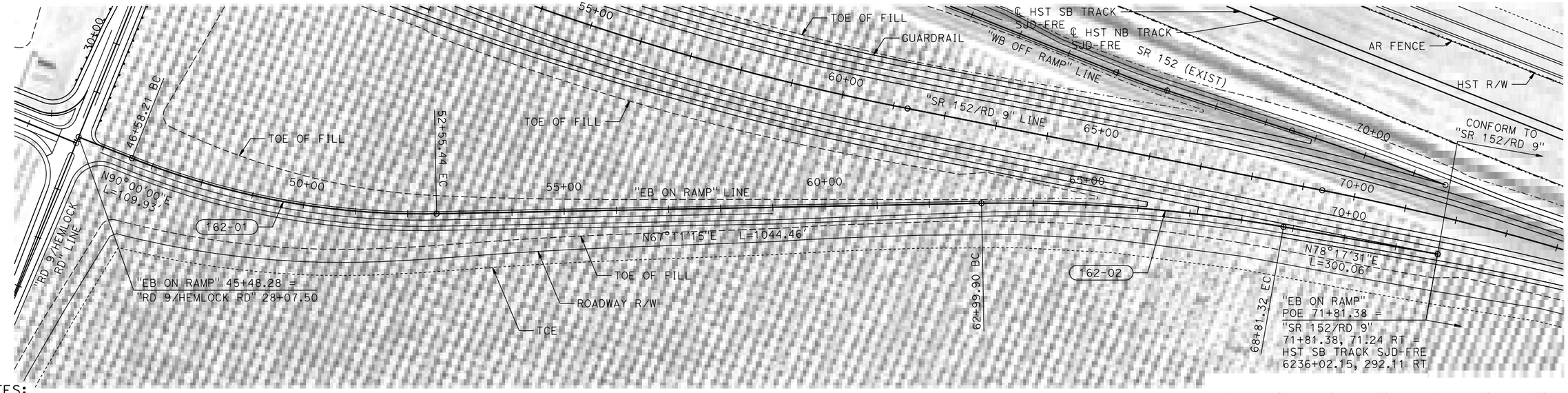
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 EB OFF RAMP

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

MF-CV-R1165-A.dgn
15-MAR-2016 3:25
p0042226

MADERA COUNTY

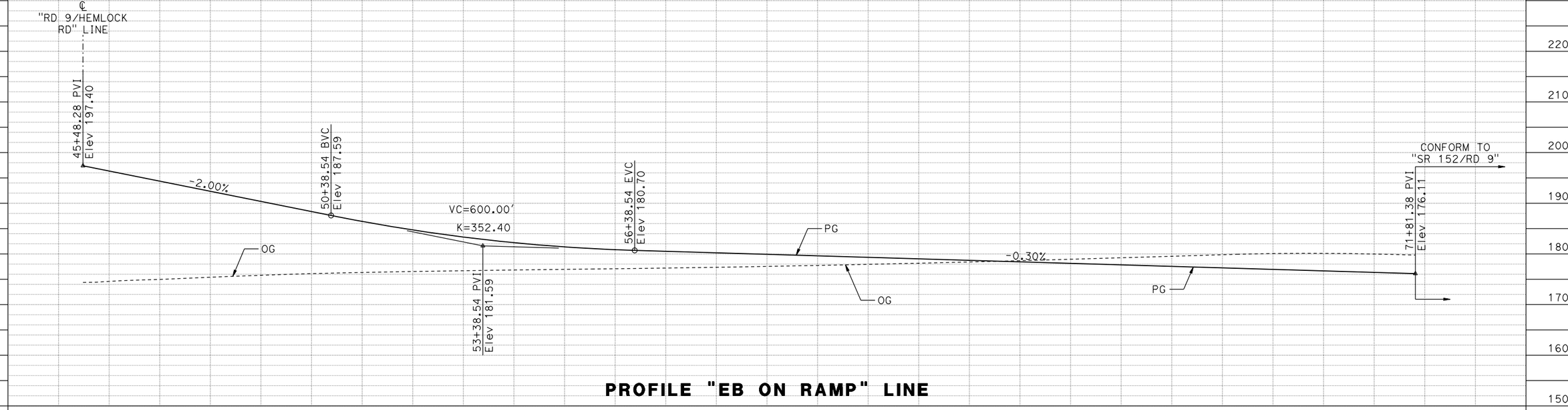


NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "EB ON RAMP" LINE

		45+00	50+00	55+00	60+00	65+00	70+00	TOTAL
STATION								
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

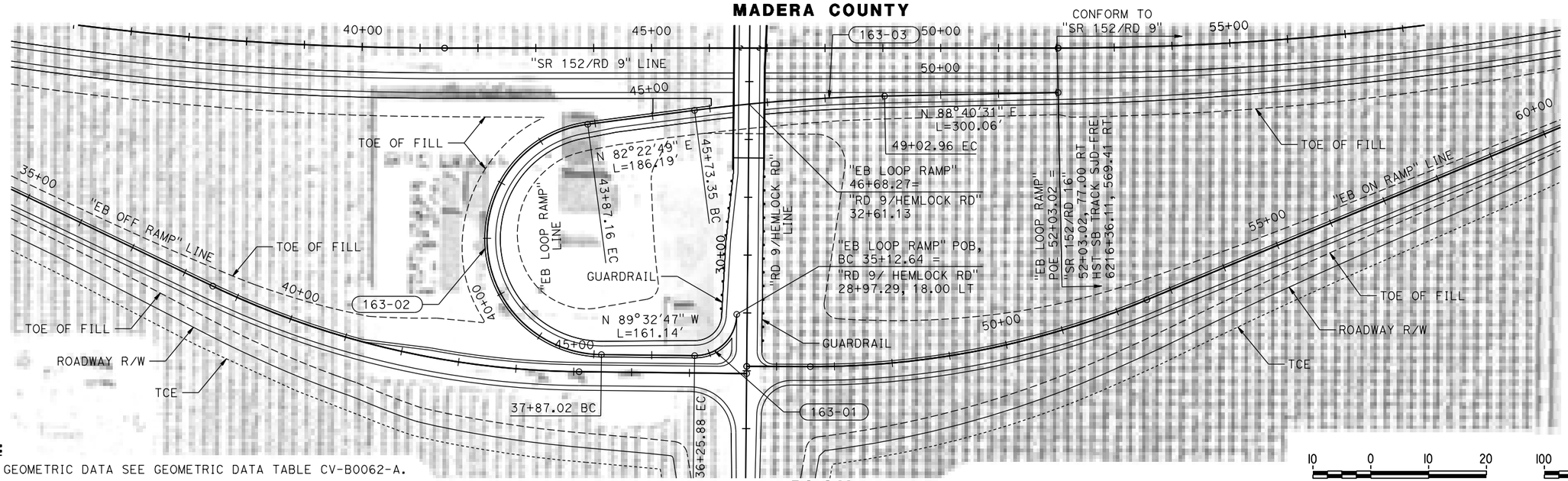
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 EB ON RAMP

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

MF-CV-R1166-A.dgn
09-MAR-2016 3:47
p005133A



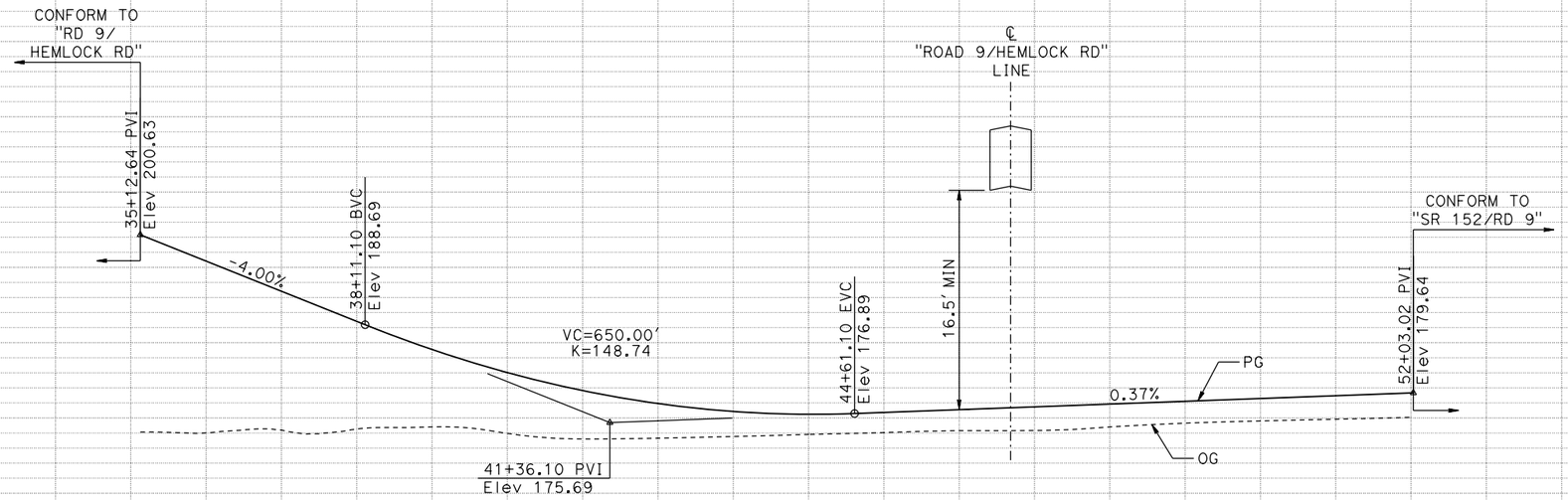
PLAN

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
2. ROAD 9/SR 152 LOOP RAMP REALIGNMENT DESIGNED WITH 25 MPH DESIGN SPEED.

VERT: 1"=10'

HORIZ: 1"=100'



PROFILE "EB LOOP RAMP" LINE

STATION		35+00	40+00	45+00	50+00	55+00	60+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

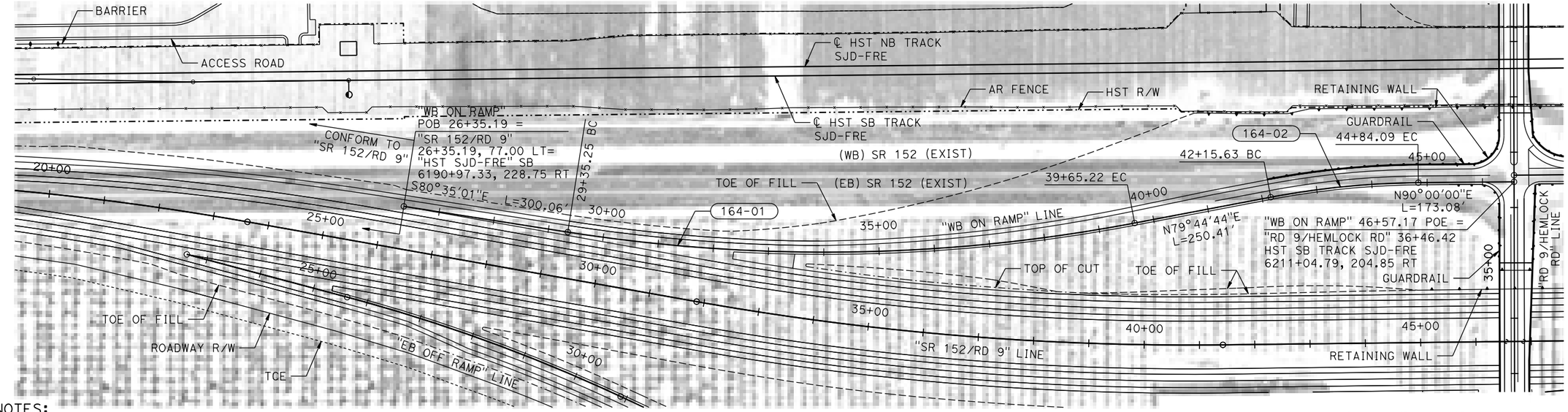
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 LOOP RAMP

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1167-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1167-A.dgn
16-MAR-2016 13:19
p0042226

MADERA COUNTY

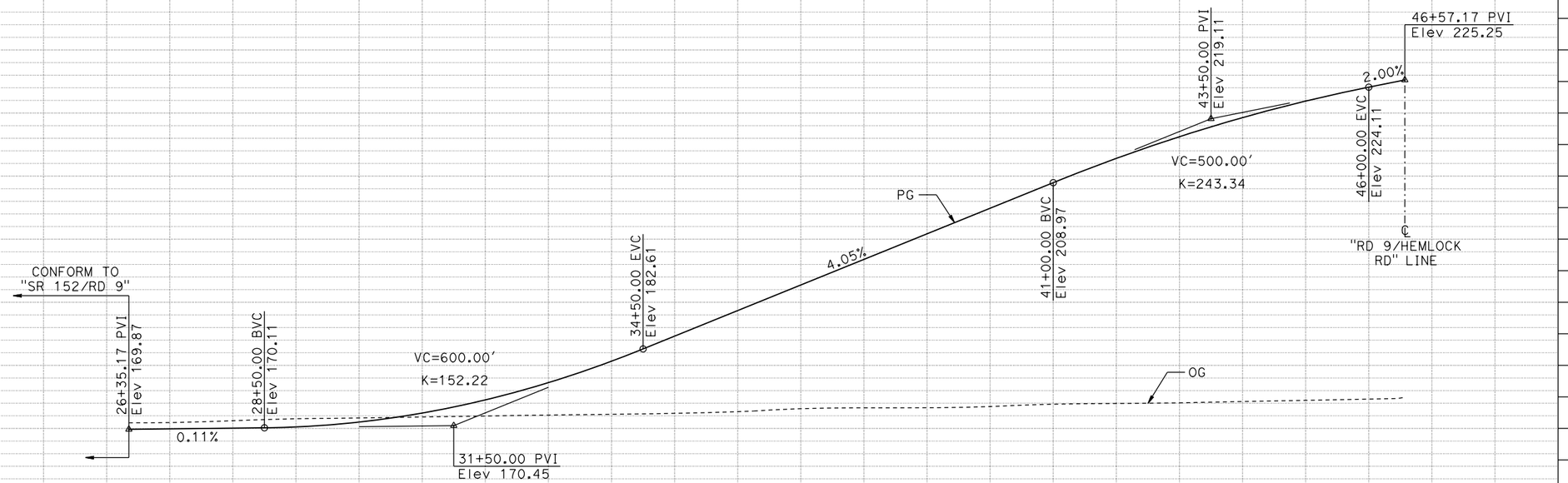


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "WB ON RAMP" 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

PARSONS

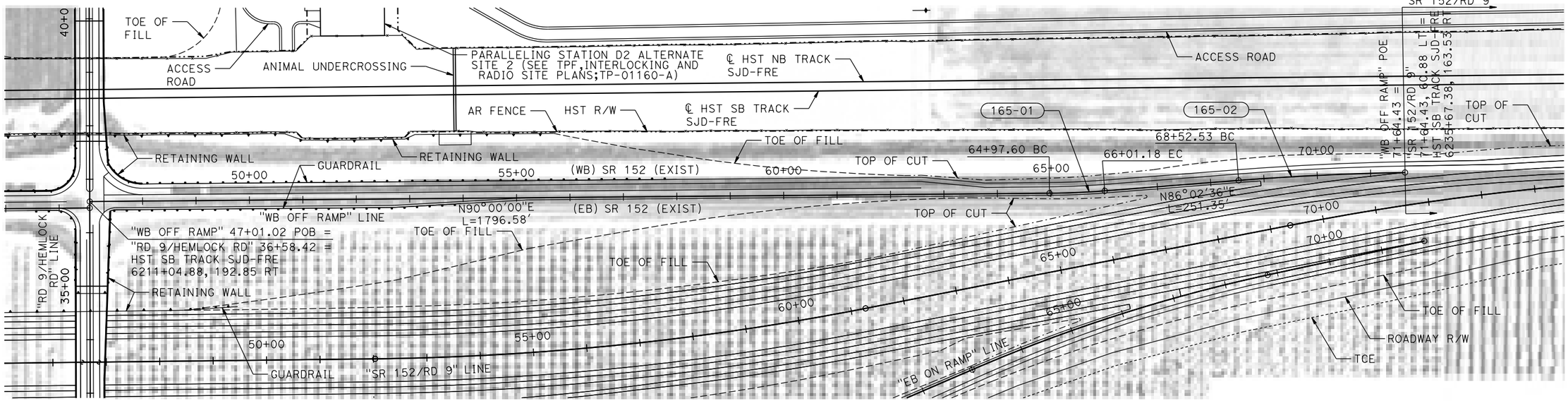
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

MF-CV-R1168-A.dgn
15-MAR-2016 3:26
p0042226

MADERA COUNTY



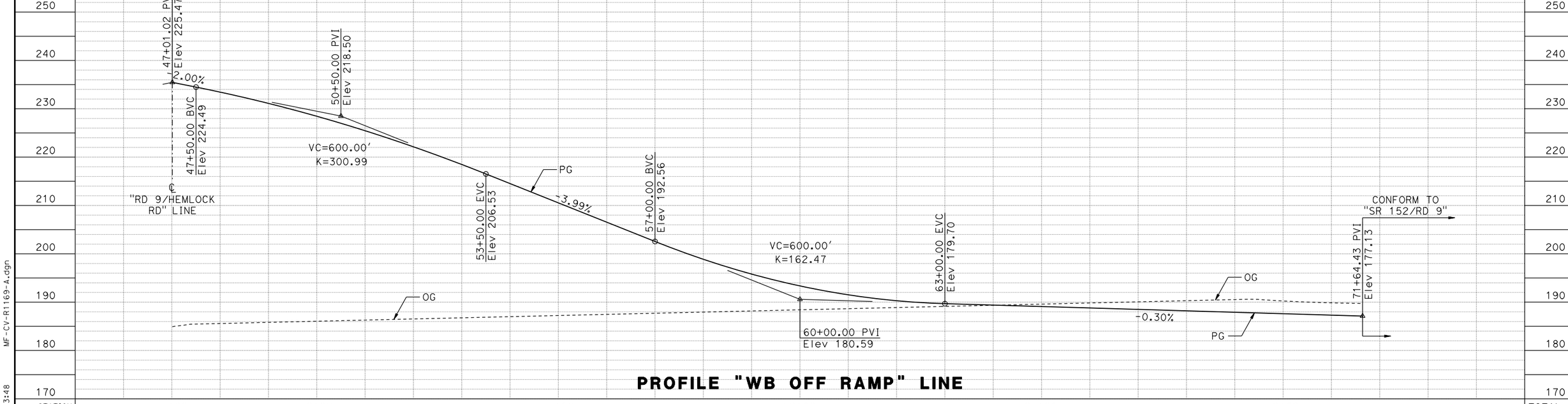
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "WB OFF RAMP" LINE

STATION	47+00	50+00	55+00	60+00	65+00	70+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

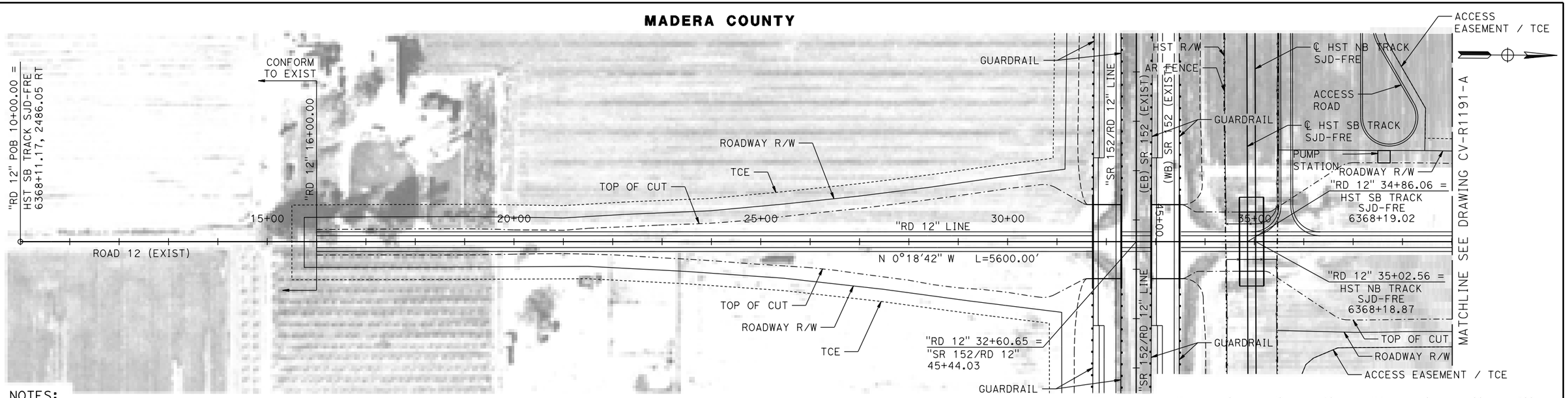
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 9/SR 152 WB OFF RAMP

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1169-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1169-A.dgn
09-MAR-2016 13:48
p0051334

MADERA COUNTY

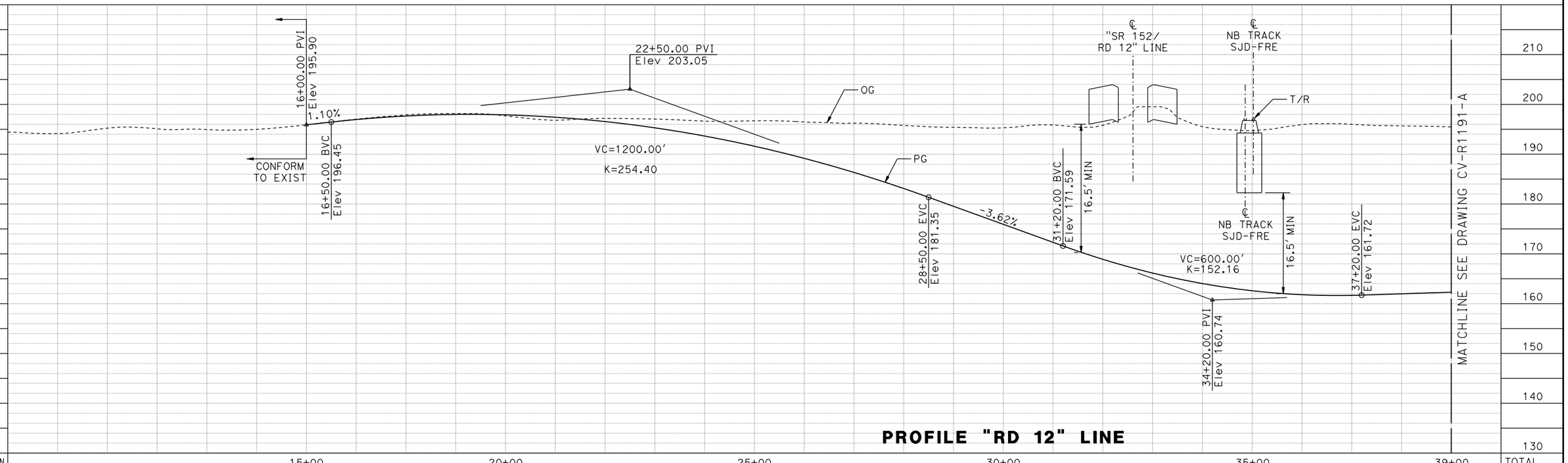


NOTES:

1. ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)

PLAN



PROFILE "RD 12" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

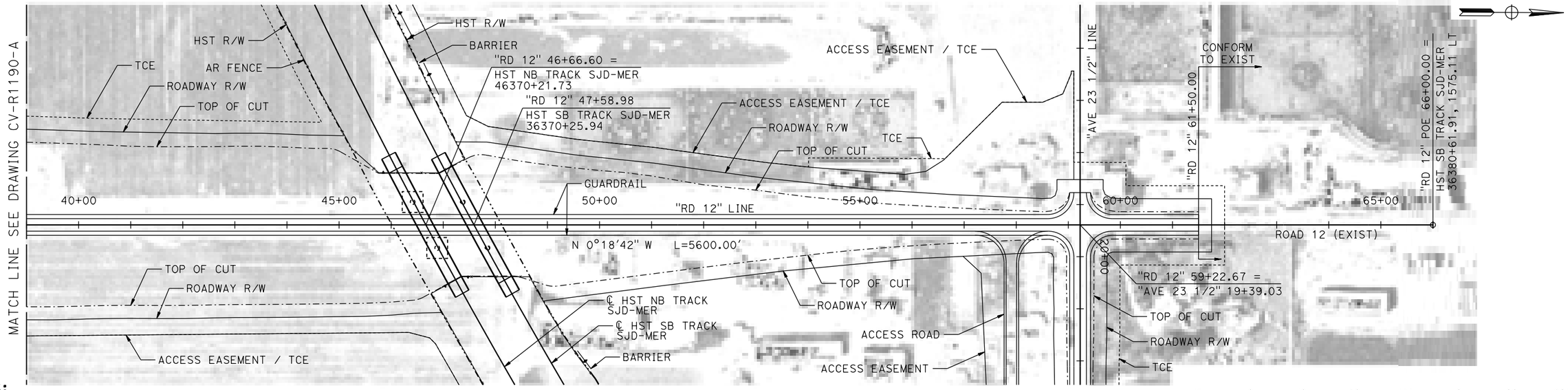
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

MF-CV-R1190-A.dgn
15-MAR-2016 13:26
p0042226

MADERA COUNTY

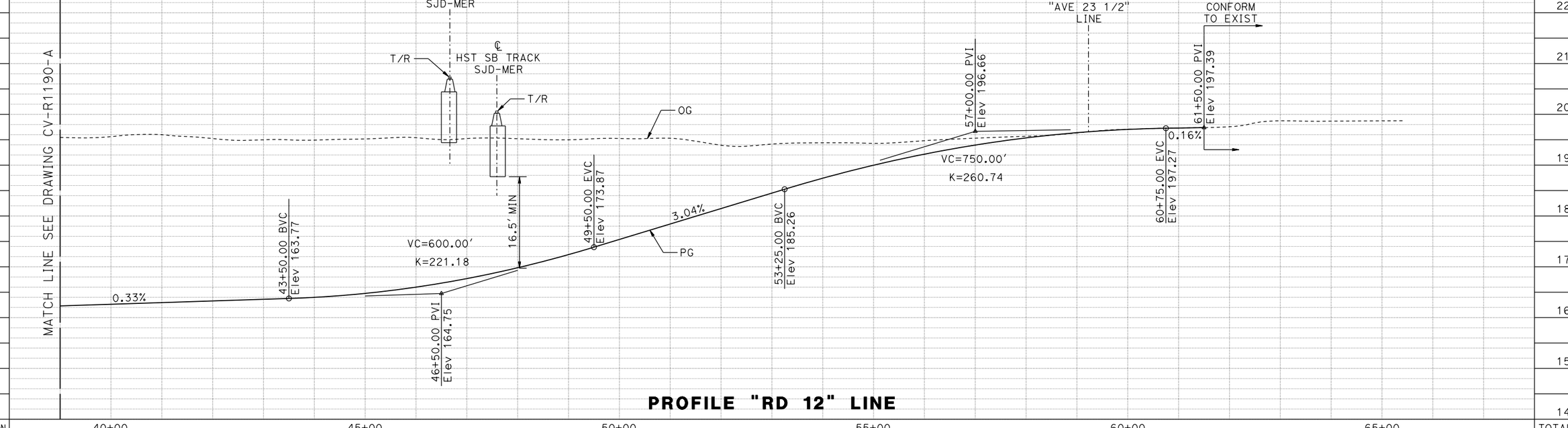


NOTES:

1. ROAD 12 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "RD 12" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

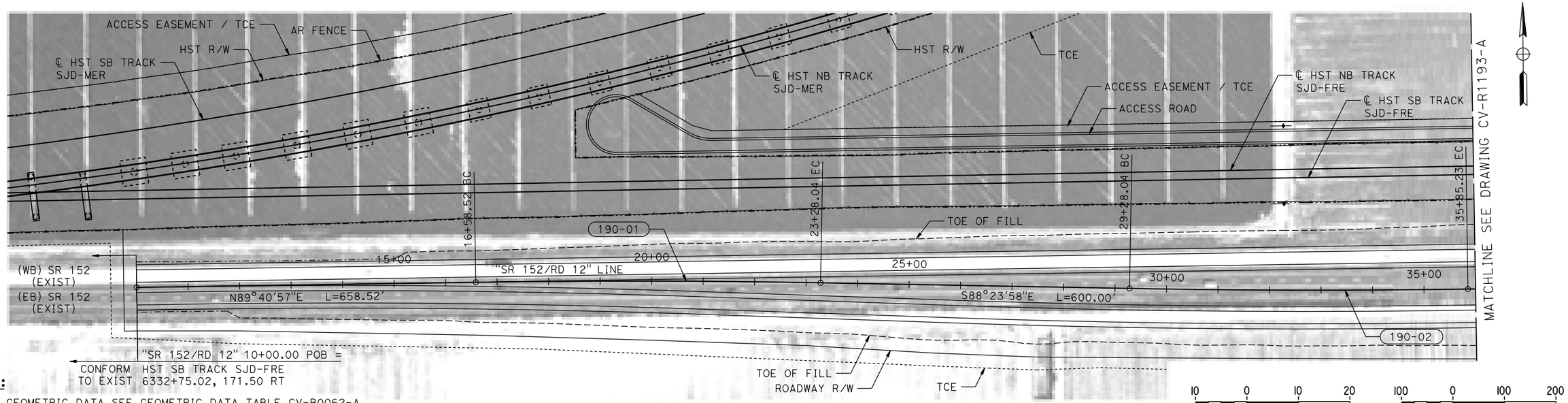
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1191-A.dgn
15-MAR-2016 13:27
p0042226

MADERA COUNTY



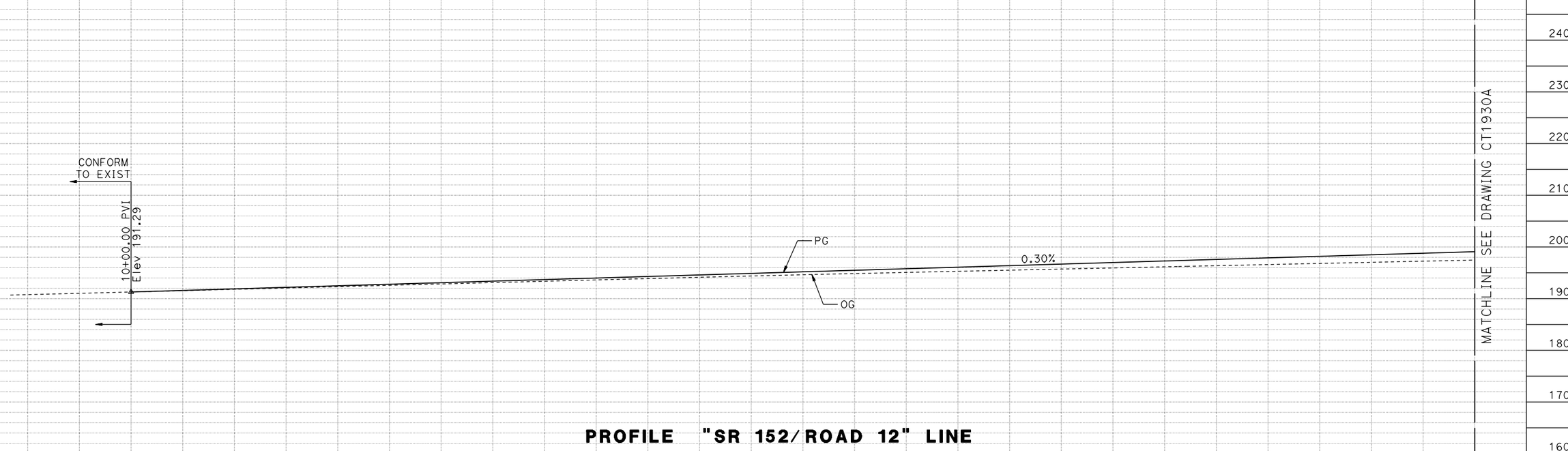
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/ROAD 12" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

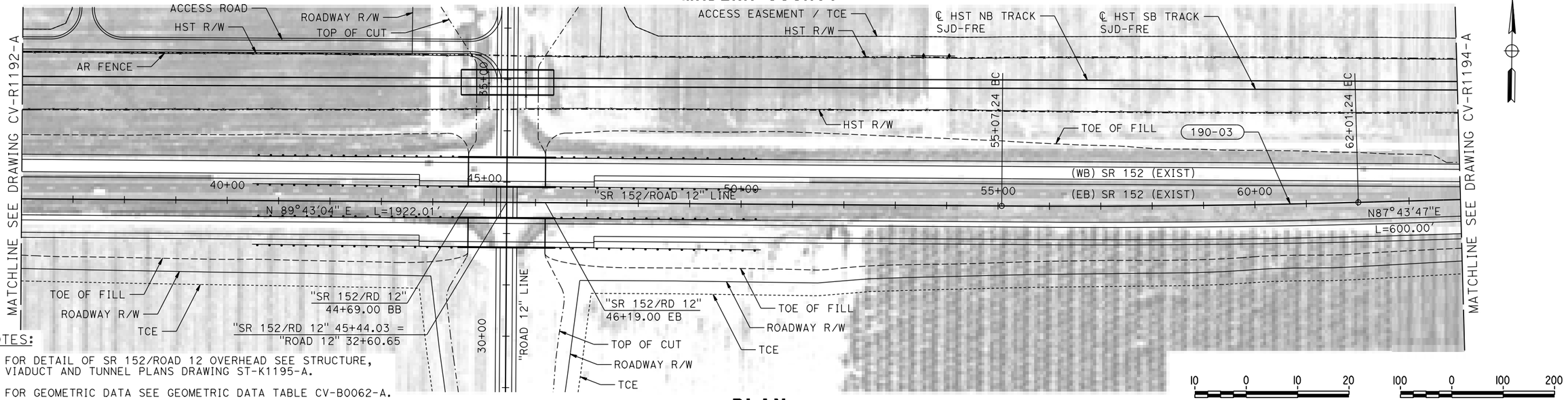
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1192-A.dgn
15-MAR-2016 3:27
p0042226

MADERA COUNTY



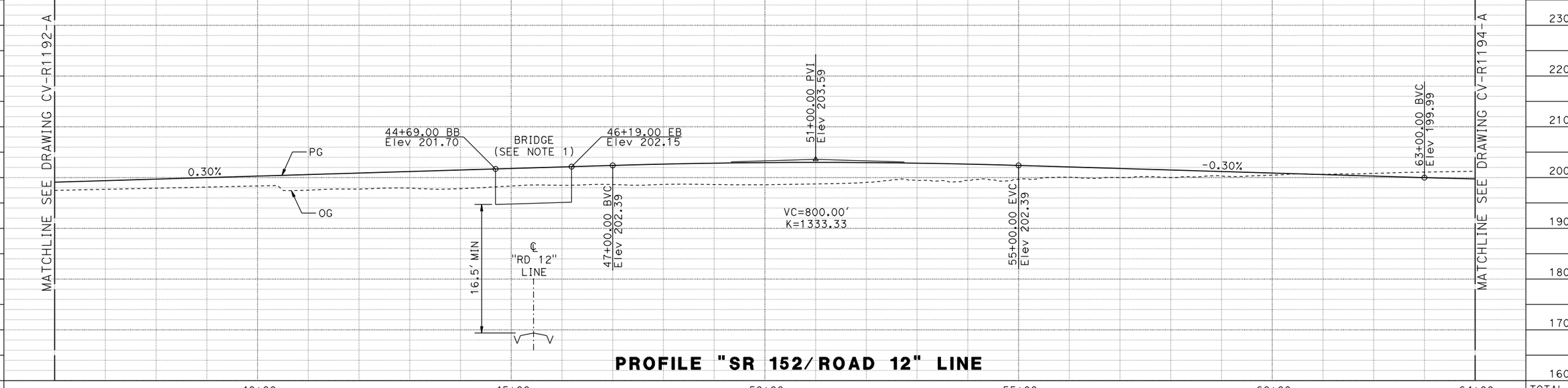
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/ROAD 12" LINE

STATION	40+00	45+00	50+00	55+00	60+00	64+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

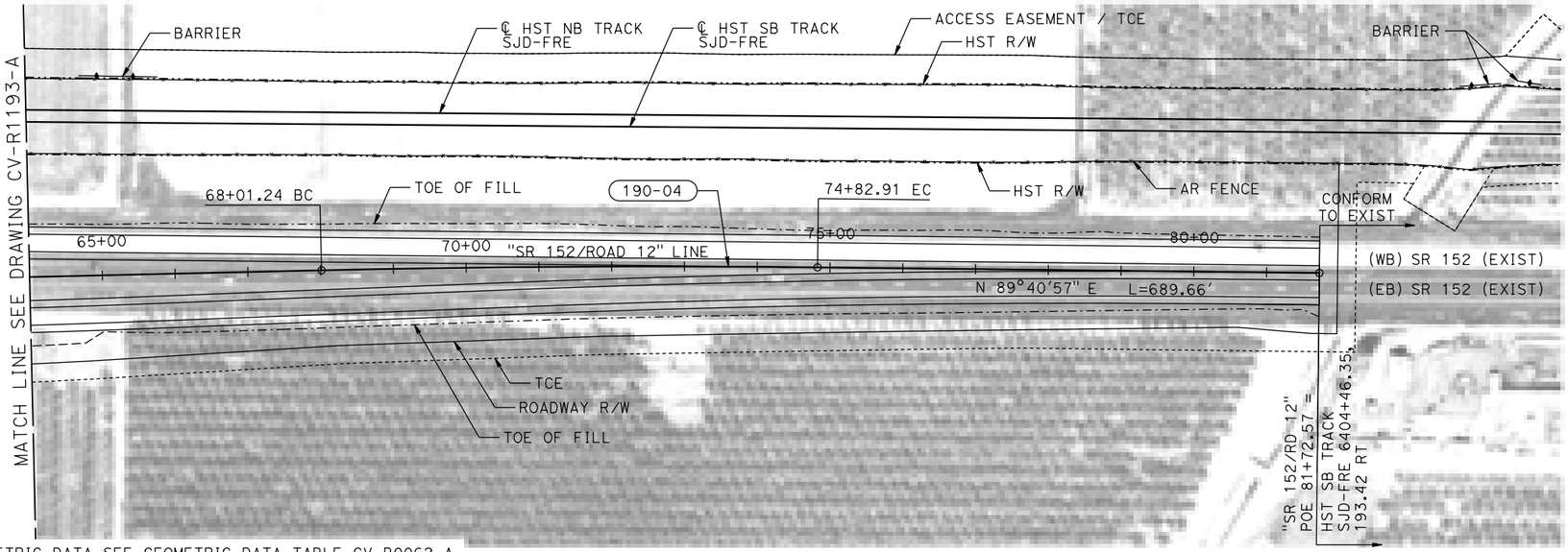
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1193-A.dgn
15-MAR-2016 13:28
p0042226

MADERA COUNTY



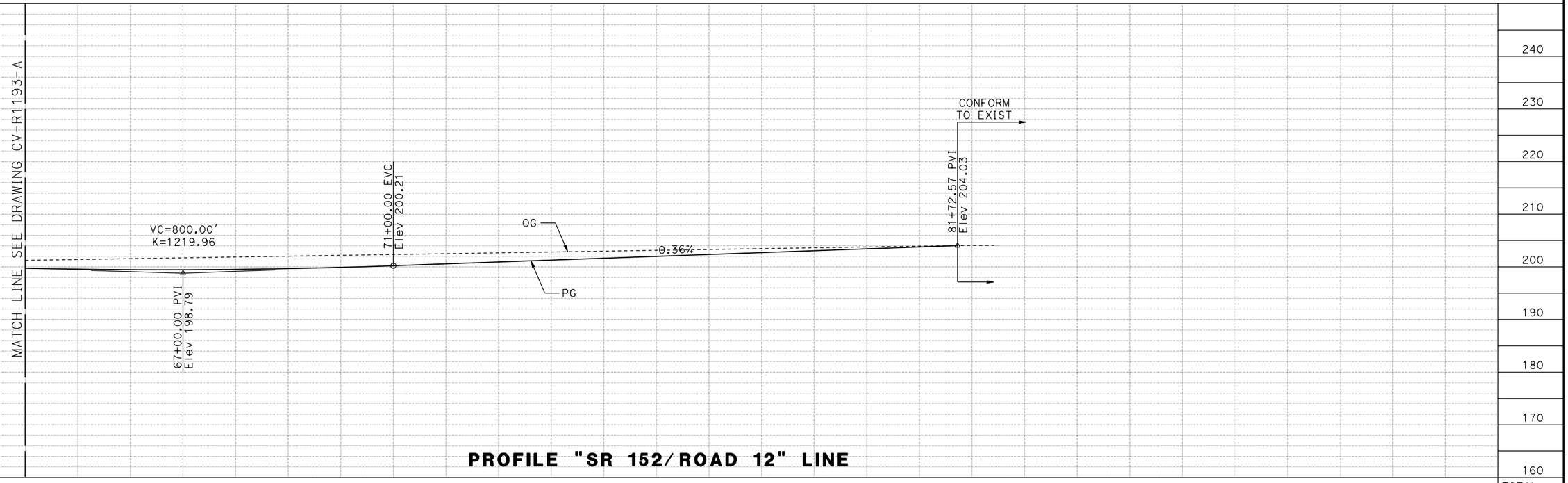
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/ROAD 12" LINE

STATION		66+00	70+00	75+00	80+00	TOTAL
CY	EXC					
	EMB					

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

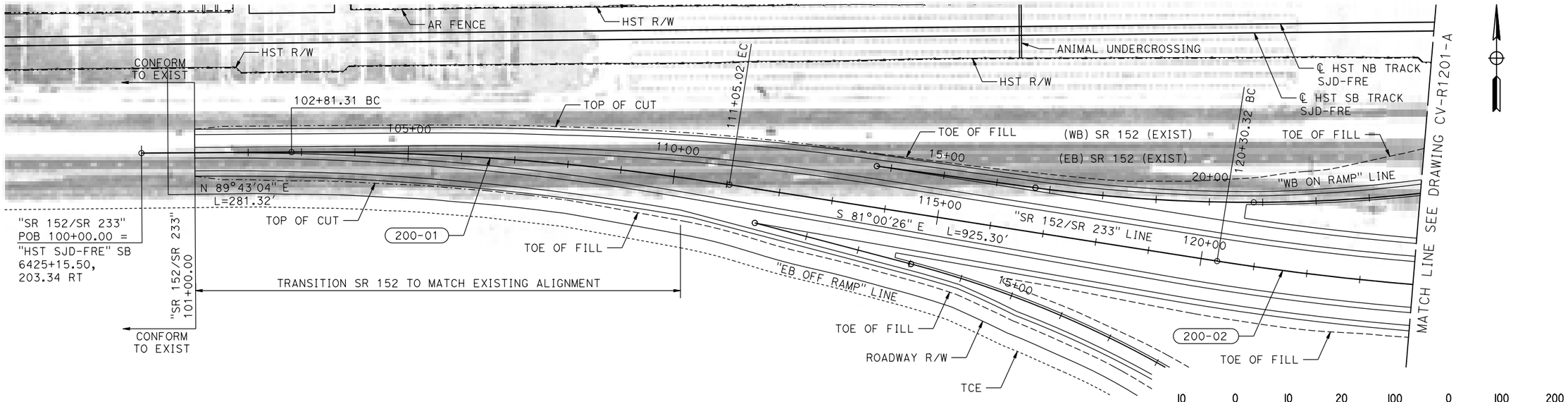
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1194-A.dgn
15-MAR-2016 13:29
p0042226

MADERA COUNTY



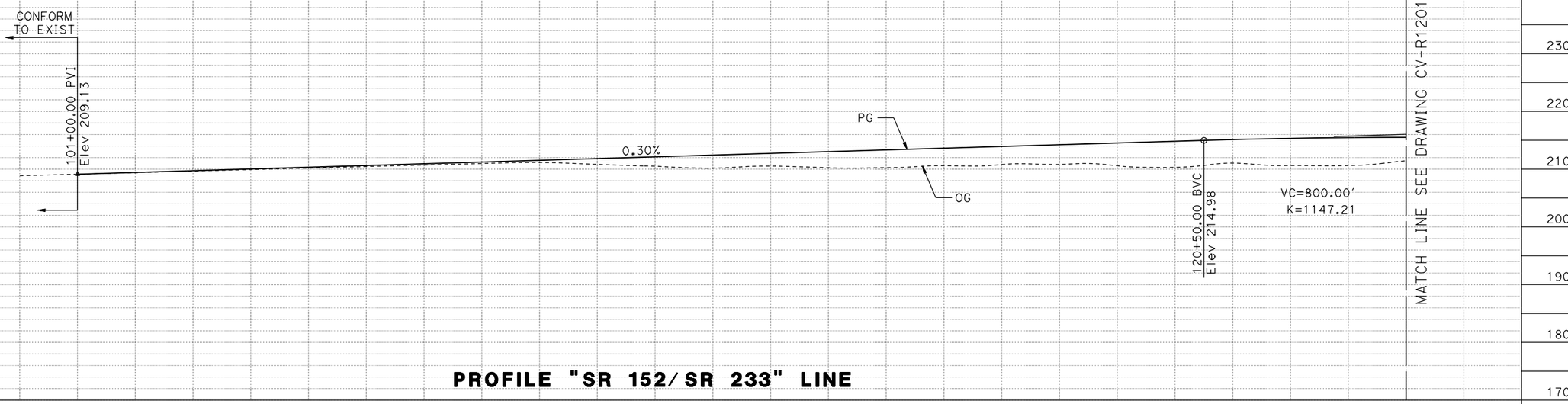
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/ SR 233" LINE

STATION		100+00	105+00	110+00	115+00	120+00	125+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

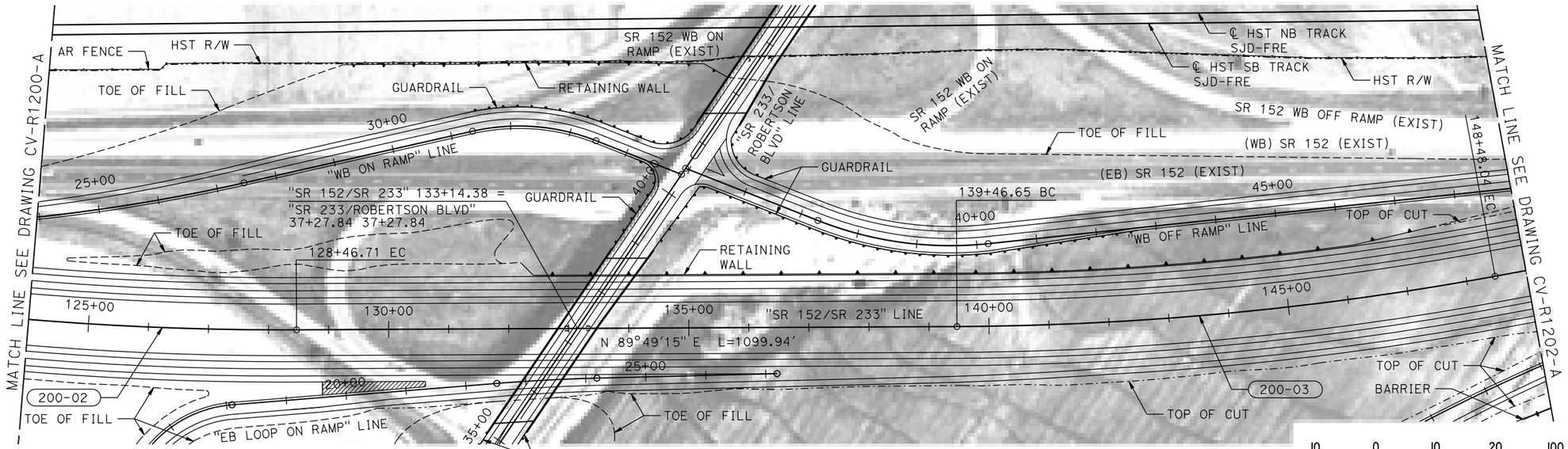
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 233

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

MF-CV-R1200-A.dgn
09-MAR-2016 3:52
p0051133A

MADERA COUNTY

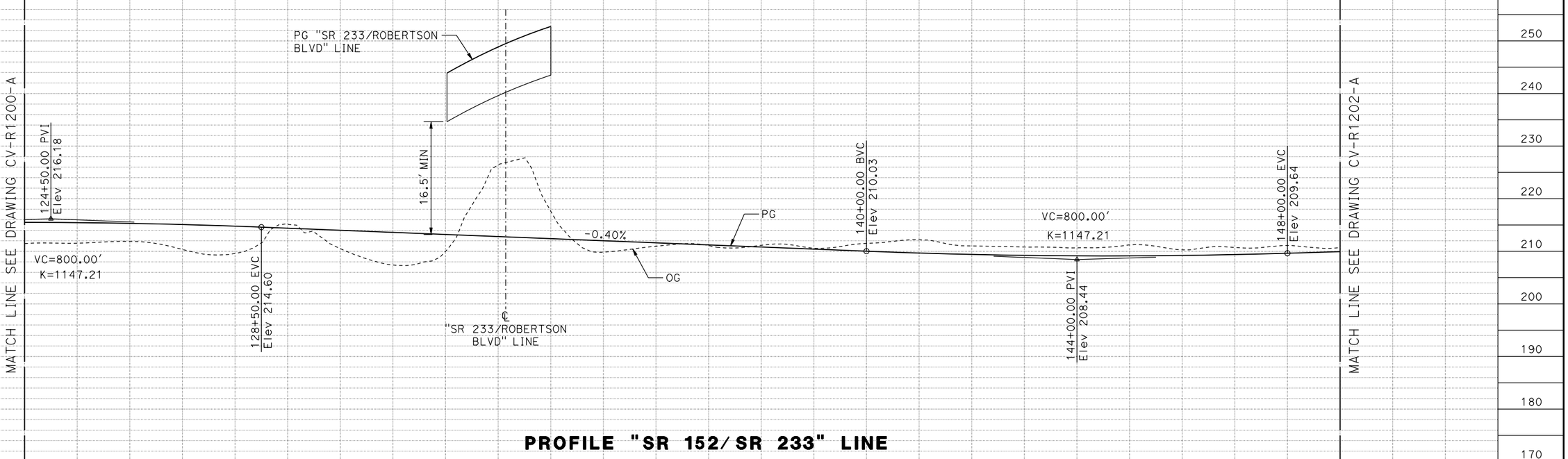


PLAN

VERT: 1"=10' HORIZ: 1"=100'

NOTES:

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



PROFILE "SR 152/ SR 233" LINE

STATION		125+00	130+00	135+00	140+00	145+00	150+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

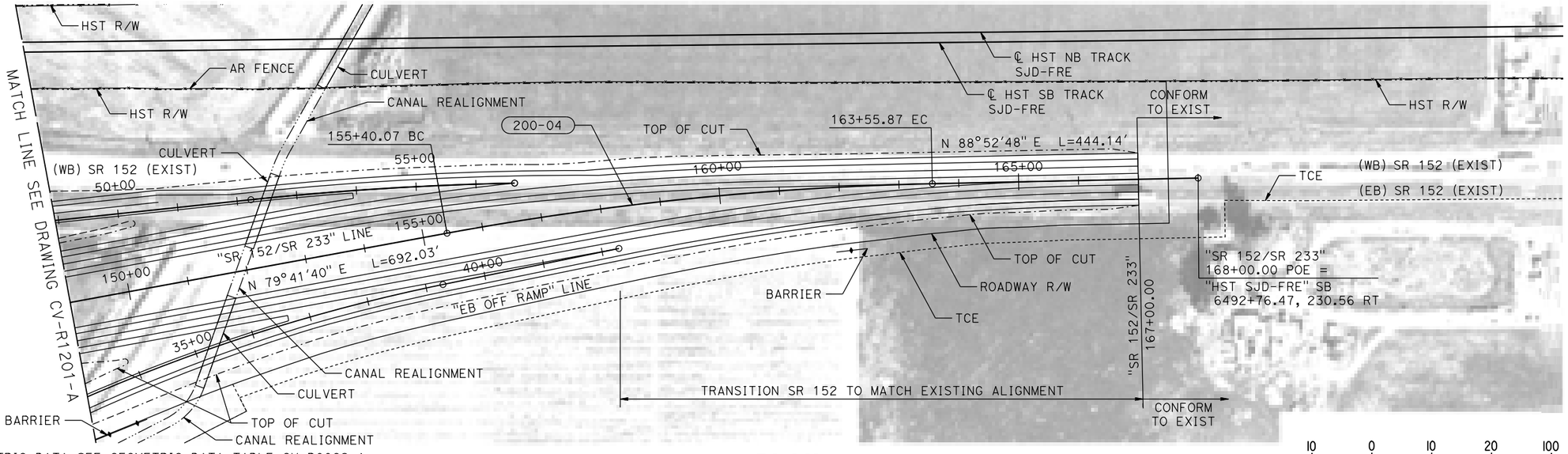
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 233

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

MF-CV-R1201-A.dgn
09-MAR-2016 3:53
p0051133A

MADERA COUNTY

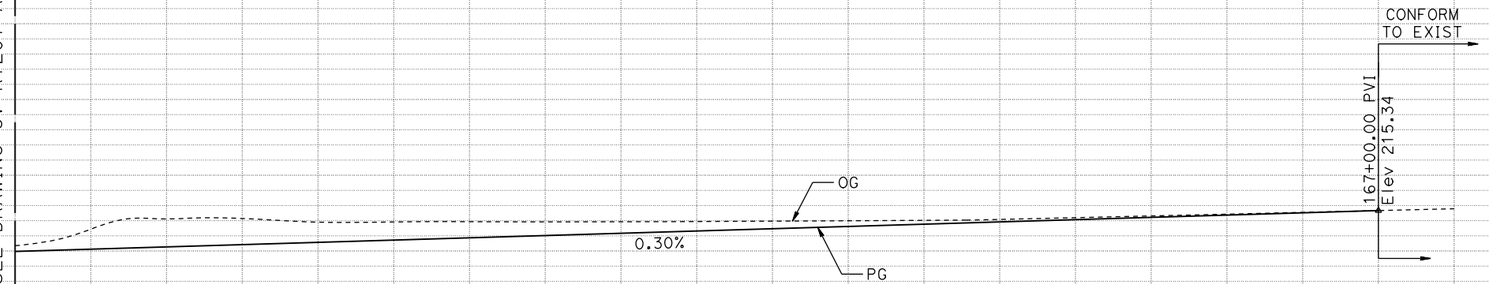


NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/SR 233" LINE

STATION		150+00	155+00	160+00	165+00	170+00	175+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

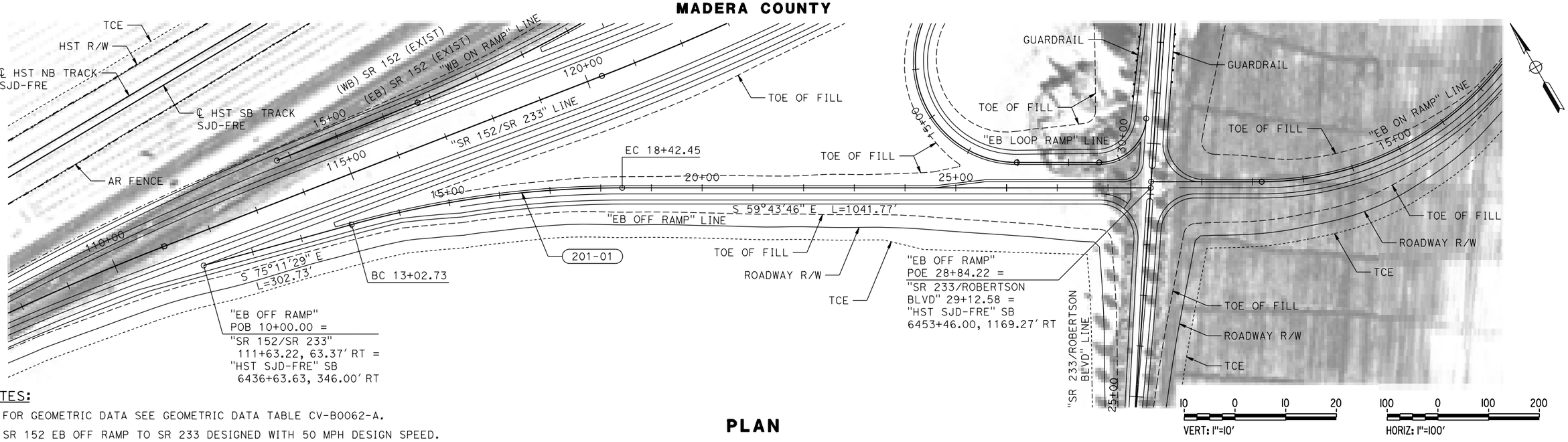
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 152 REALIGNMENT AT SR 233

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

MF-CV-R1202-A.dgn
15-MAR-2016 13:29
p0042226

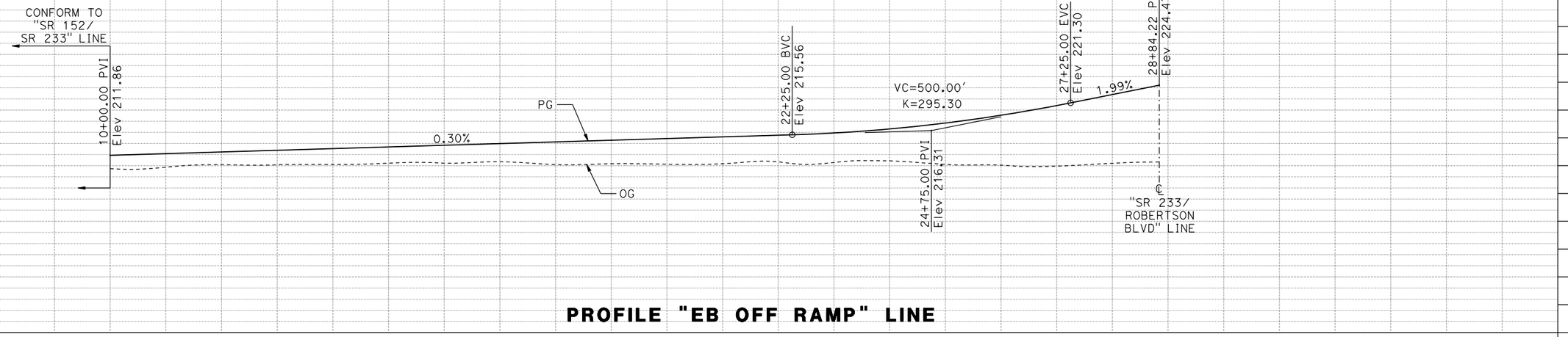
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0062-A.
2. SR 152 EB OFF RAMP TO SR 233 DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN



PROFILE "EB OFF RAMP" LINE

STATION	10+00	15+00	20+00	25+00	45+00	TOTAL
CY EXC						
CY EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

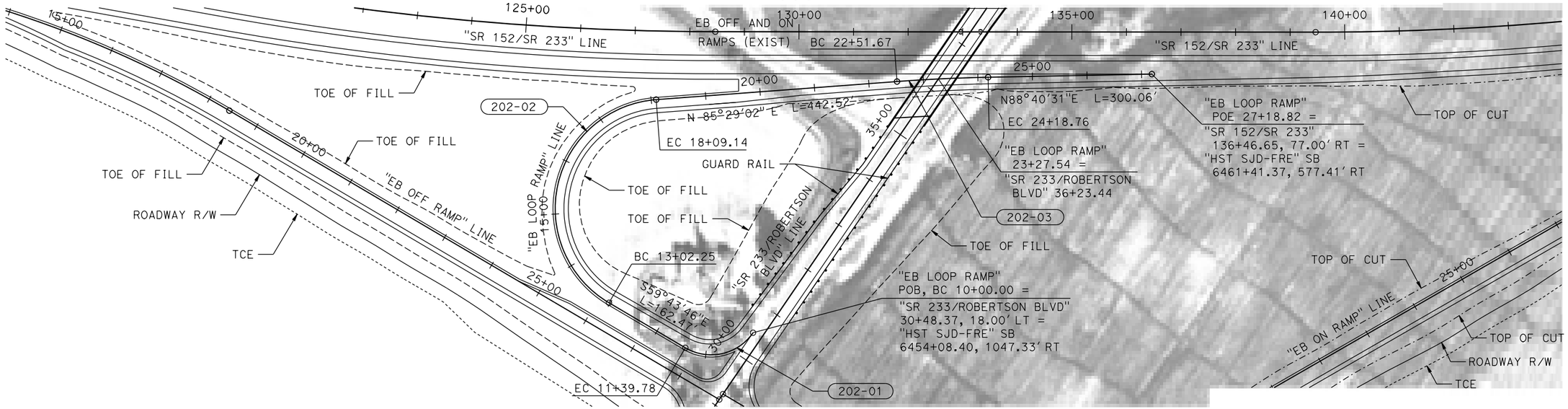
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB OFF RAMP

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

MF-CV-R1203-A.dgn
09-MAR-2016 13:54
p0051334

MADERA COUNTY



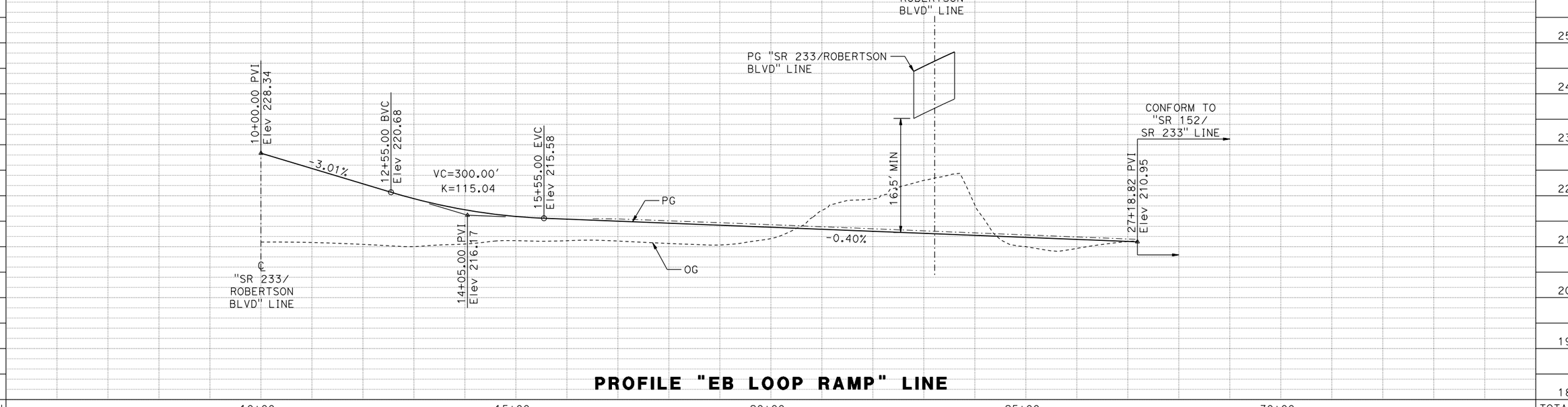
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
2. SR 152/SR 233 EB LOOP RAMP DESIGNED WITH 25 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB LOOP RAMP" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

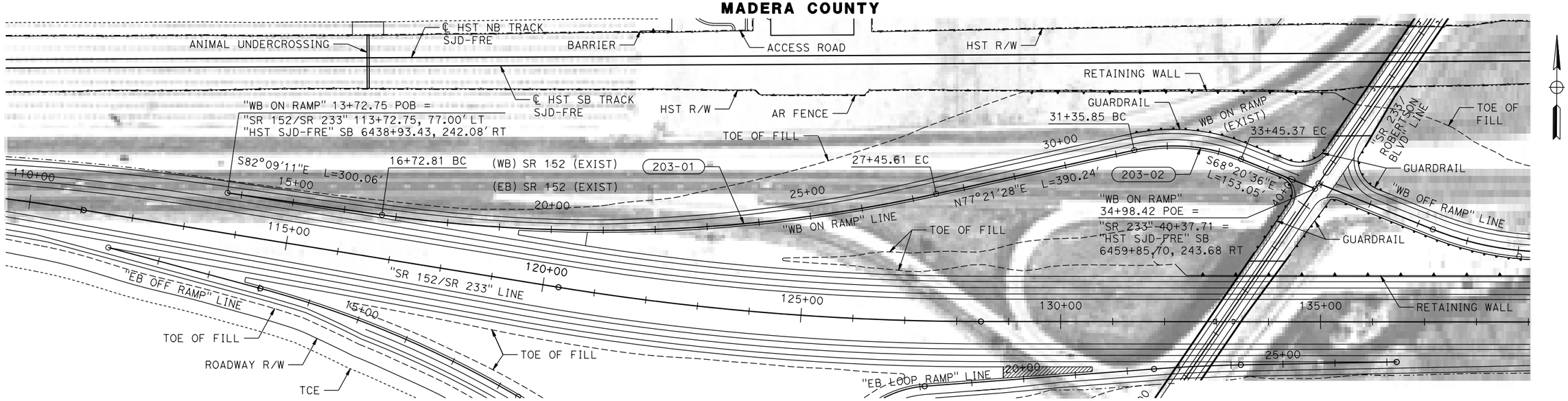
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB LOOP RAMP

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

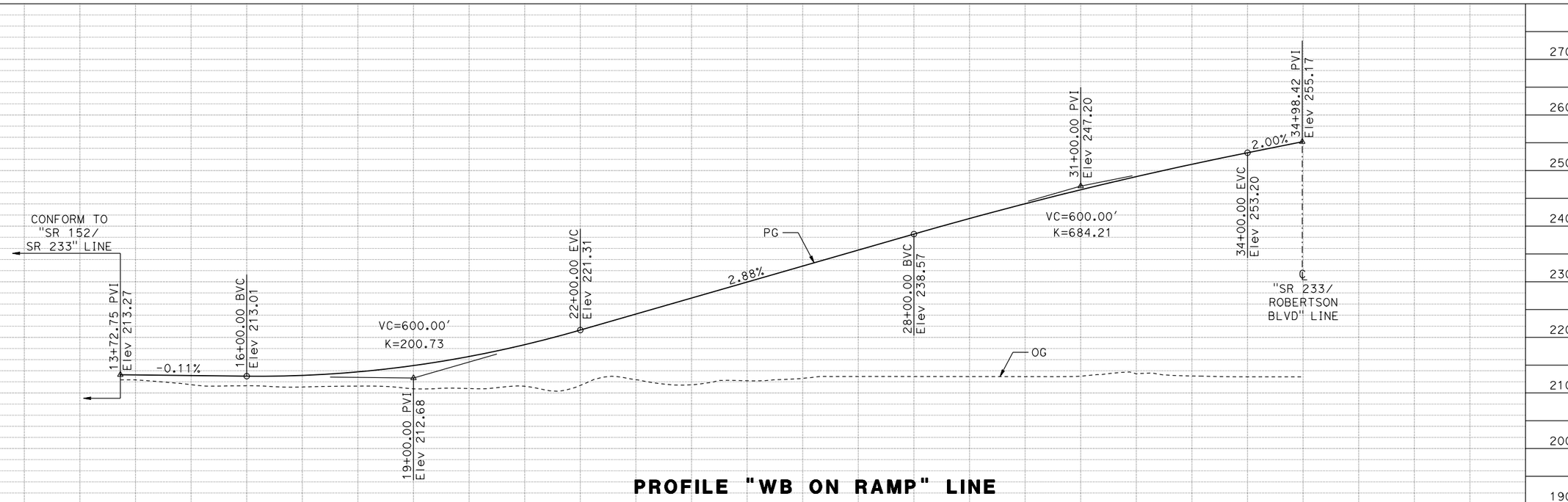
09-MAR-2016 3:54
MF-CV-R1204-A.dgn
p0051133A



NOTES:

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

PLAN



PROFILE "WB ON RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

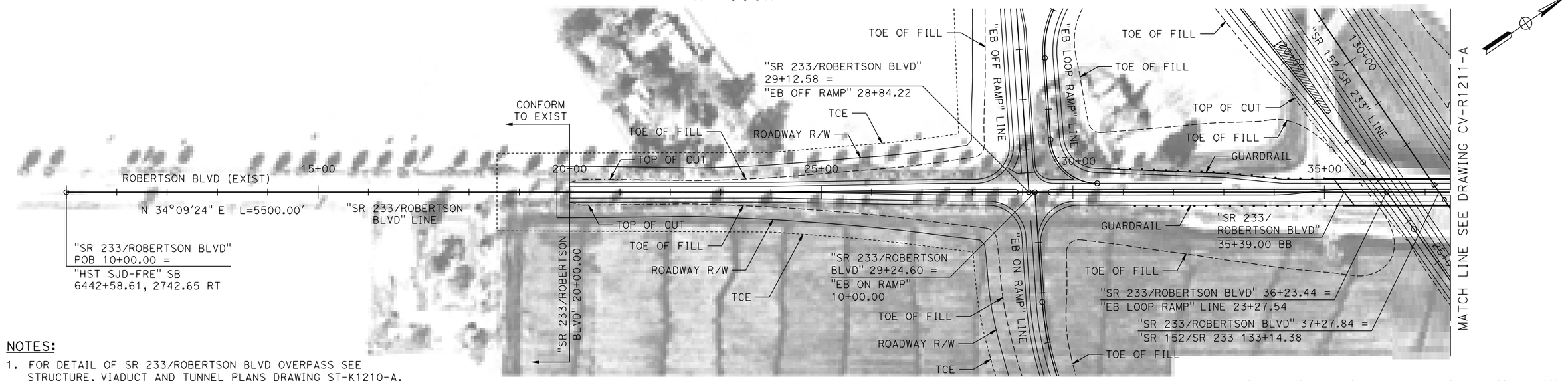
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

MF-CV-R1205-A.dgn
09-MAR-2016 3:55
p0051133A

MADERA COUNTY



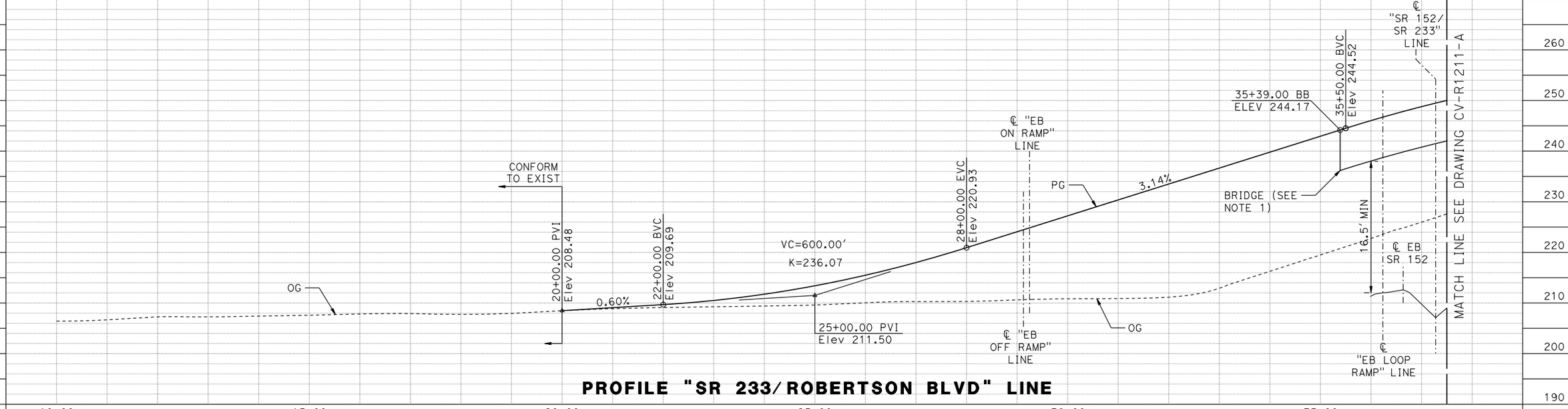
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 233/ROBERTSON BLVD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

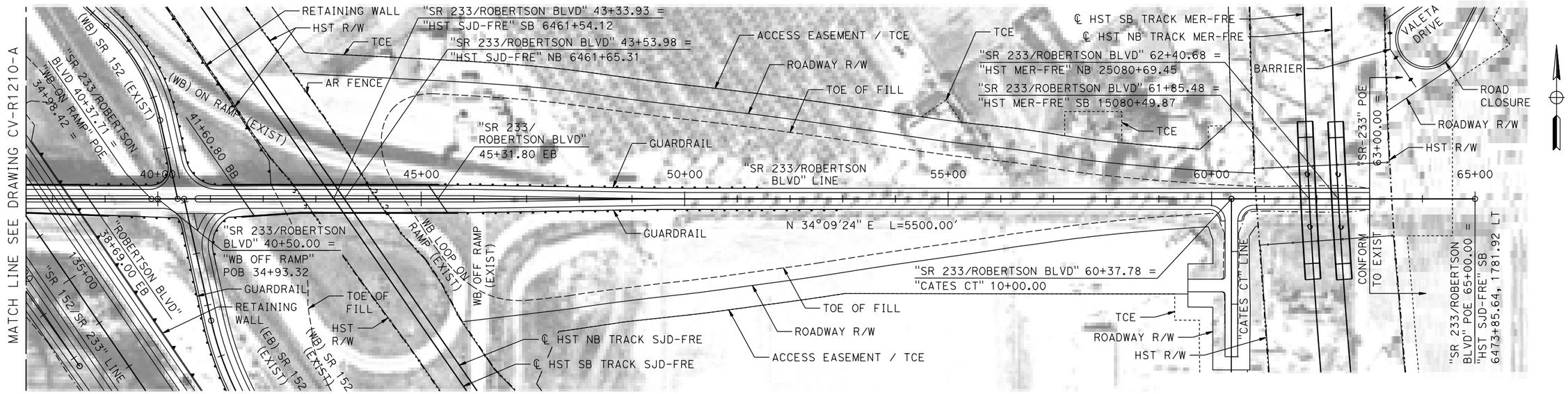
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/ROBERTSON BLVD GRADE SEPARATION

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

MF-CV-R1210-A.dgn
09-MAR-2016 13:55
p005133A

MADERA COUNTY

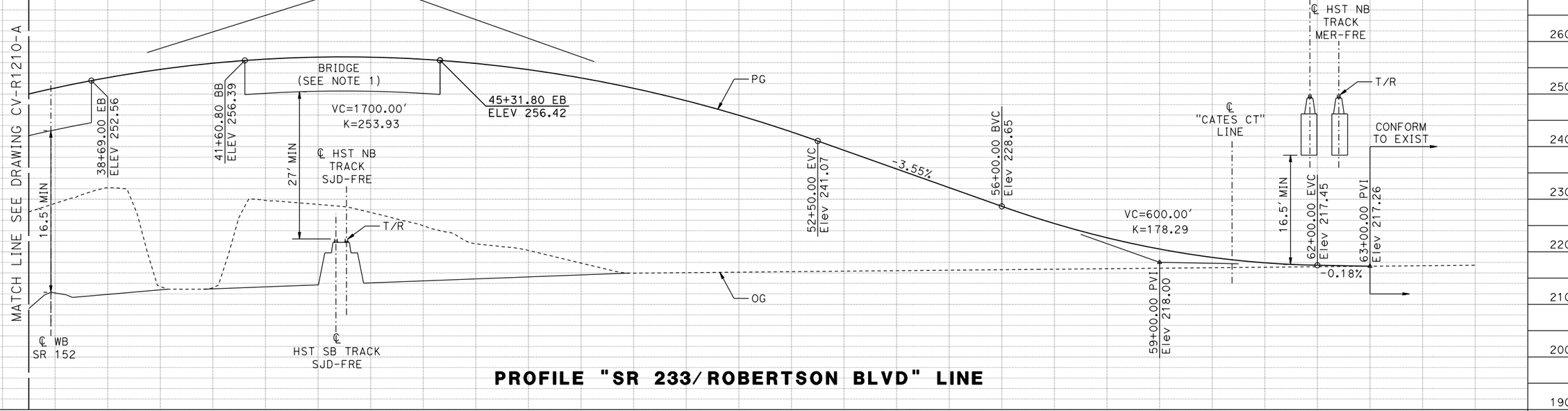


NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 233/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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

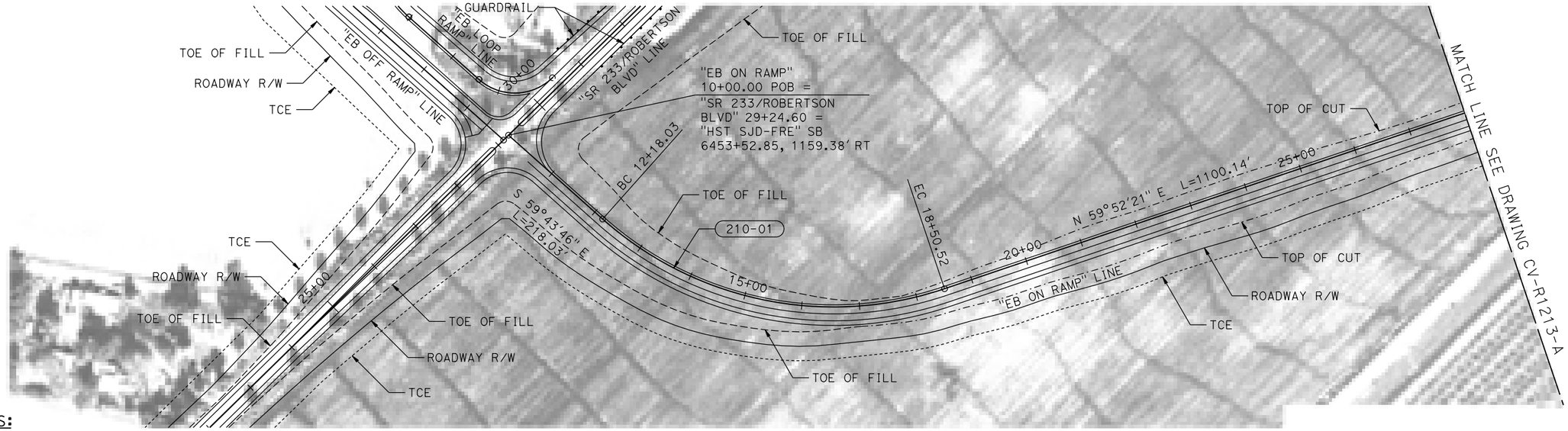
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/ROBERTSON BLVD GRADE SEPARATION

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

MF-CV-R1211-A.dgn
16-MAR-2016 3:20
p0042226

MADERA COUNTY

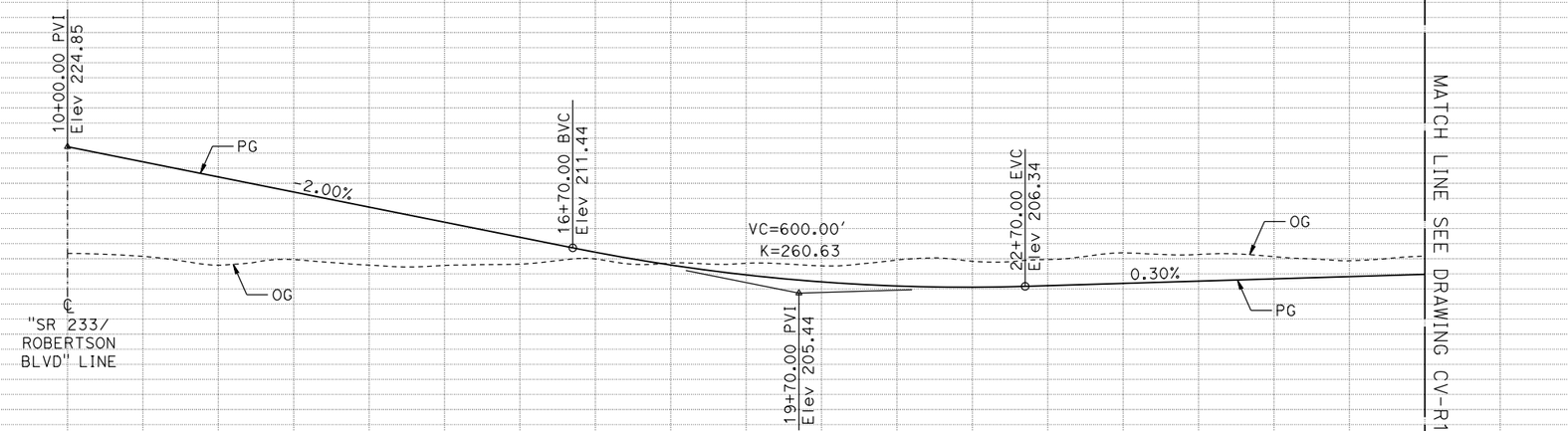


NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "EB ON RAMP" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

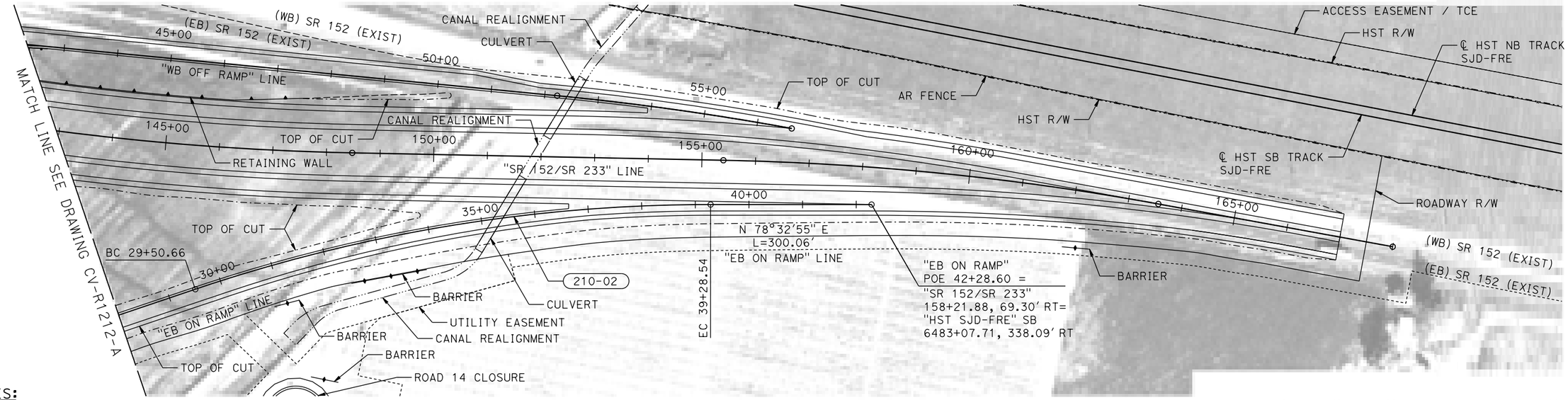
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB ON RAMP

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

MF-CV-R1212-A.dgn
09-MAR-2016 3:56
p0051133A

MADERA COUNTY



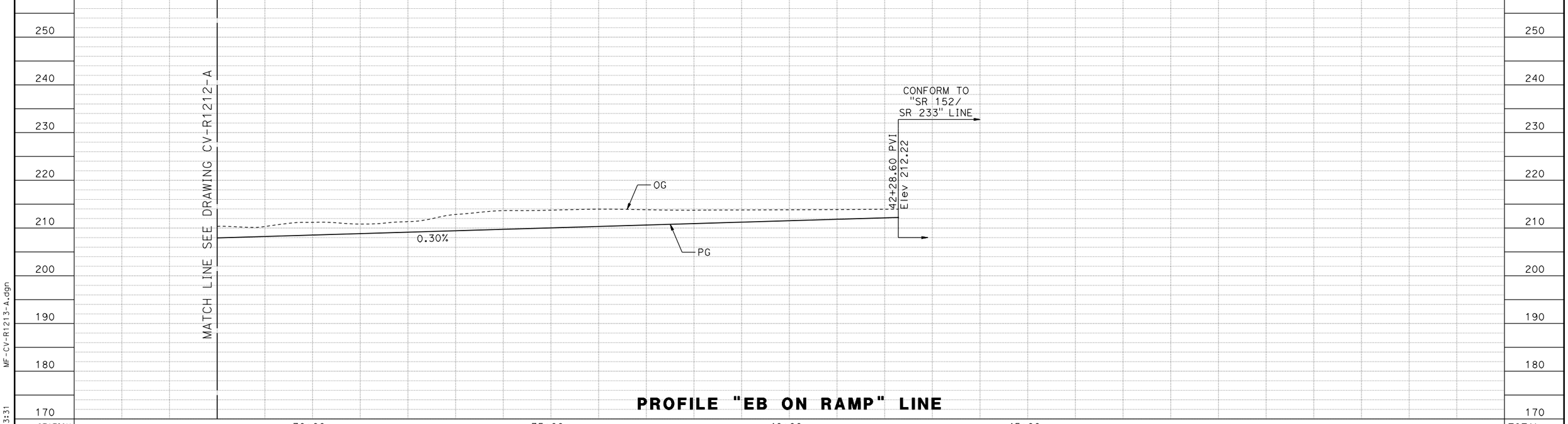
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB ON RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

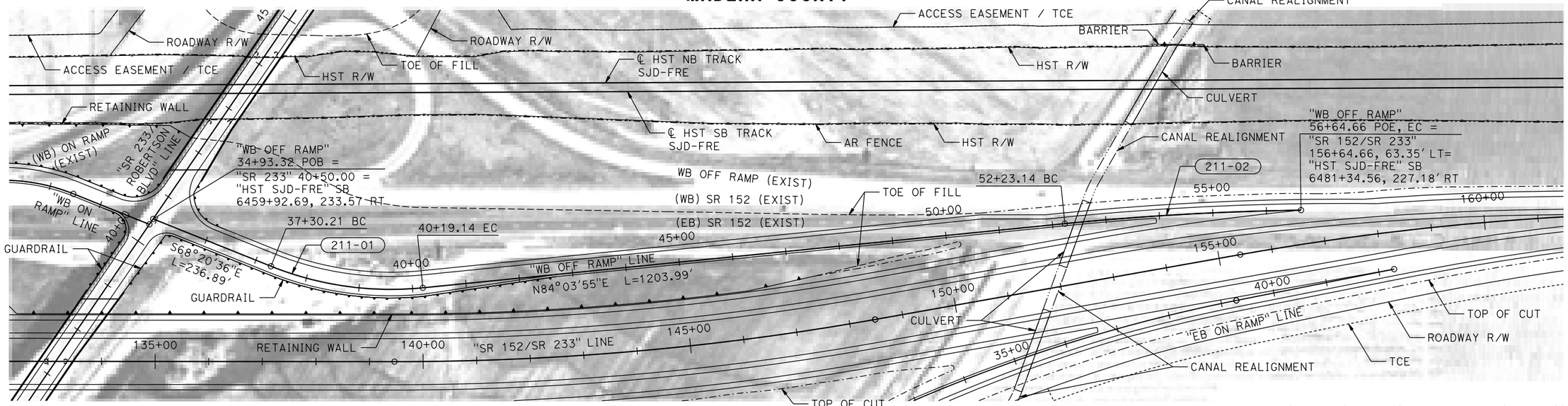
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 EB ON RAMP

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

MF-CV-R1213-A.dgn
15-MAR-2016 3:31
p0042226

MADERA COUNTY



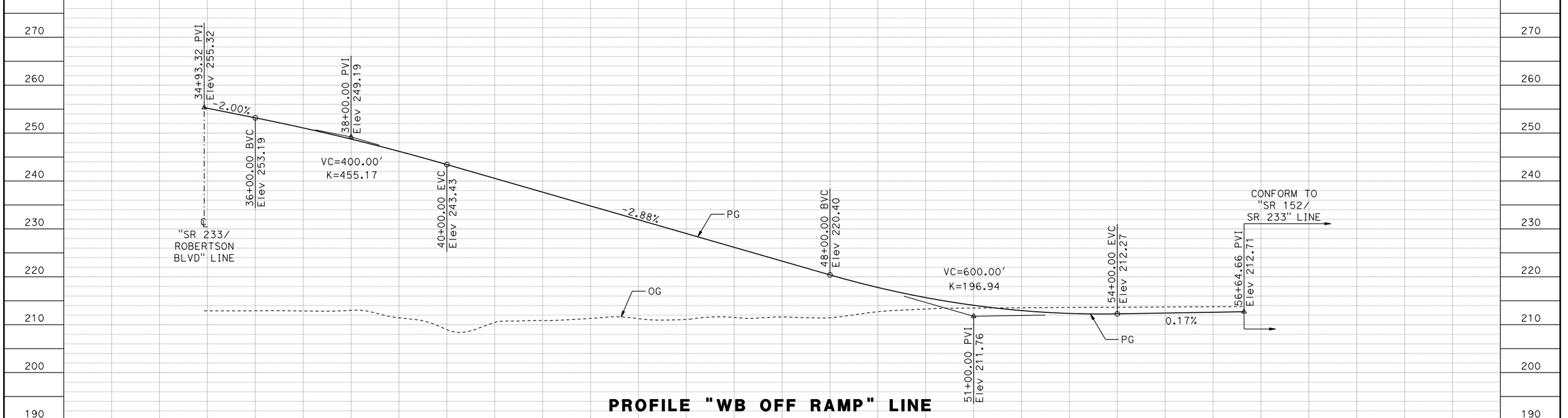
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "WB OFF RAMP" LINE

STATION		35+00	40+00	45+00	50+00	55+00	35+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

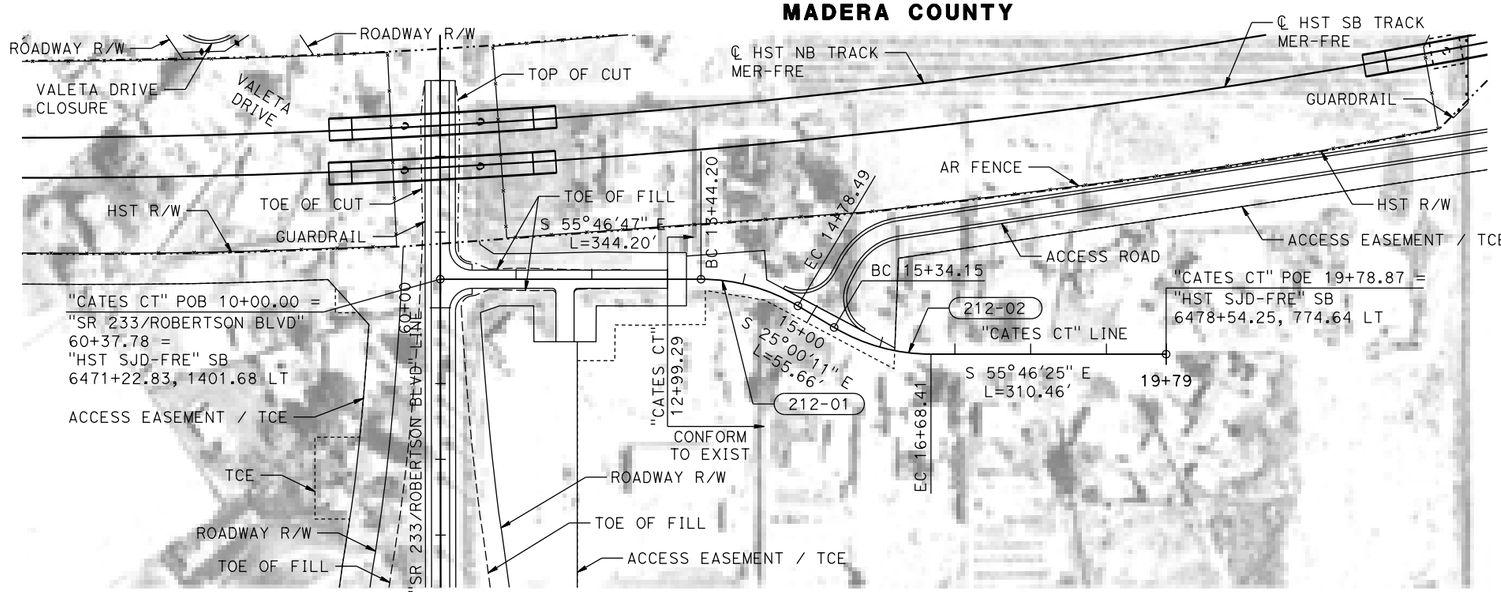
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
SR 233/SR 152 WB OFF RAMP

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

MF-CV-R1214-A.dgn
15-MAR-2016 3:31
p0042226

MADERA COUNTY



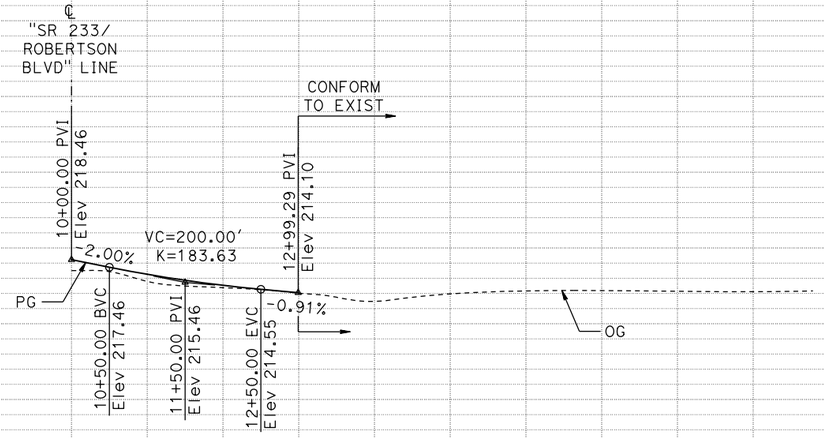
PLAN

NOTES:

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

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "CATES CT" LINE

STATION		10+00	15+00	20+00	TOTAL
CY	EXC				
	EMB				

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

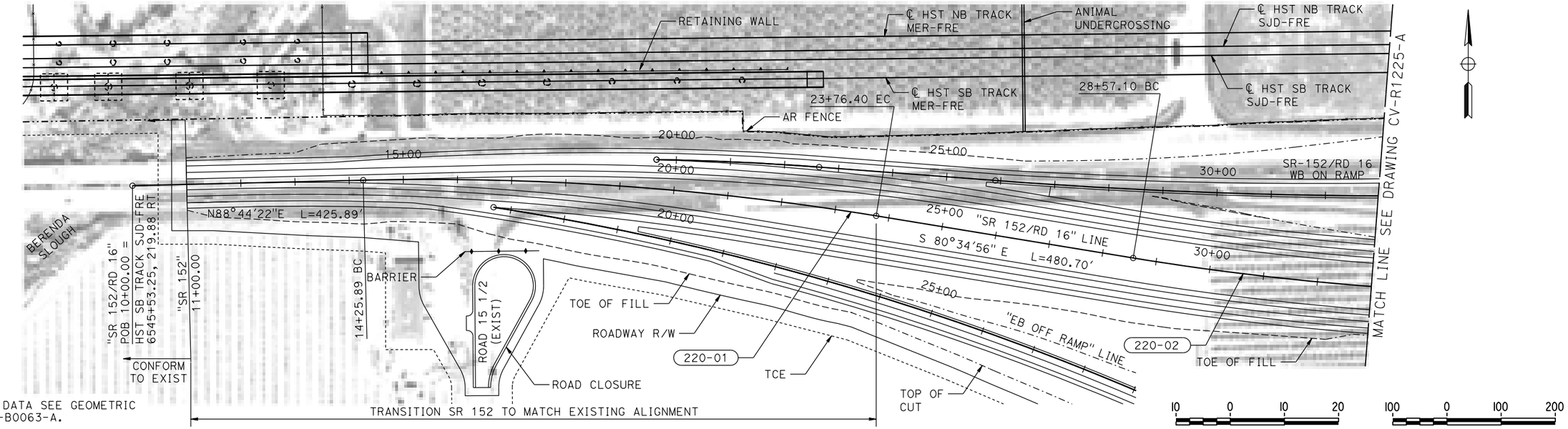
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1215-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1215-A.dgn
15-MAR-2016 13:32
p0042226

MADERA COUNTY

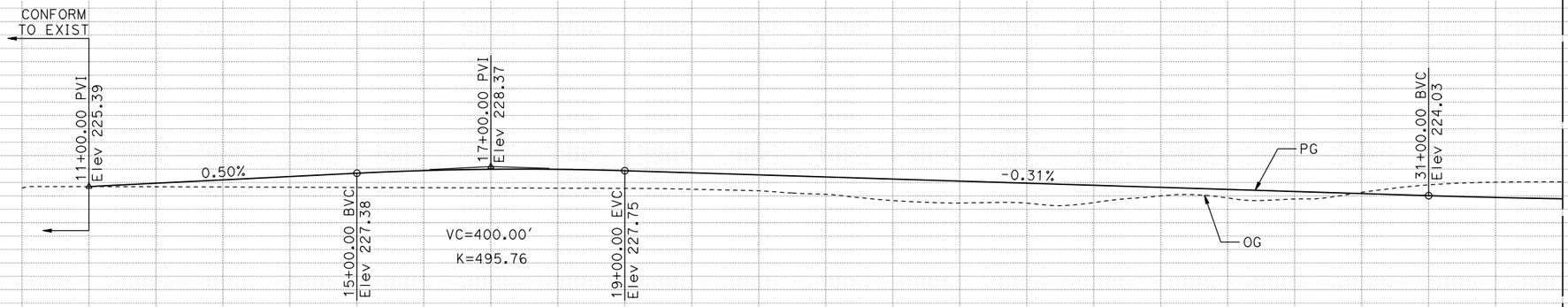


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "SR 152/RD 16" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

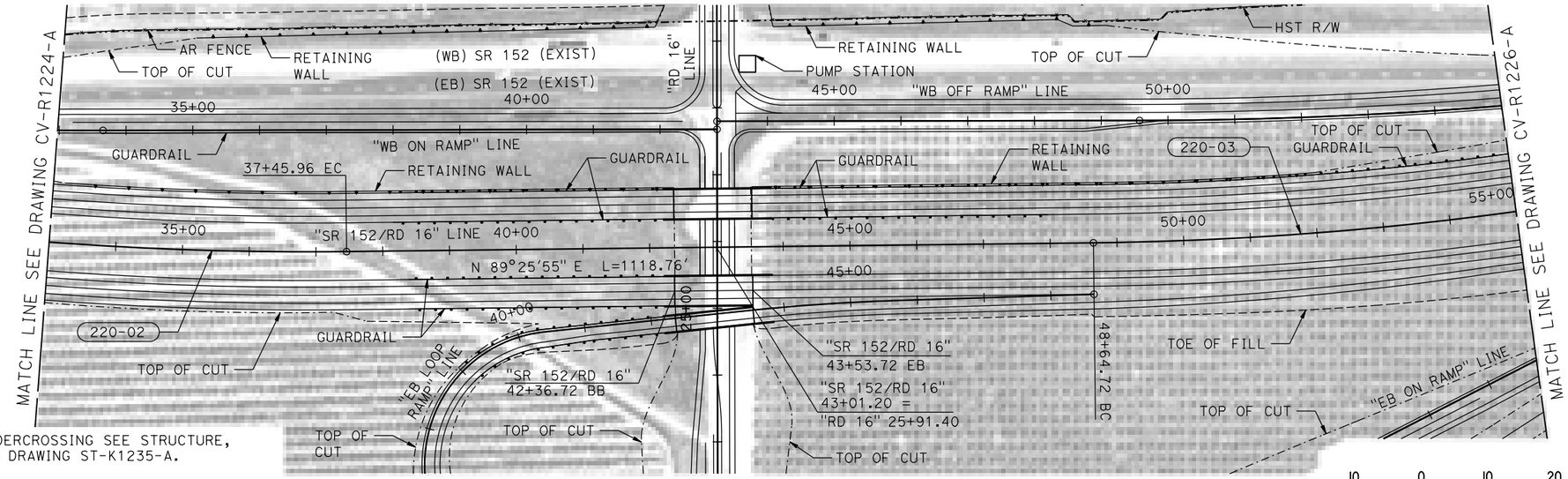
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1224-A.dgn
09-MAR-2016 3:58
p0051133A

MADERA COUNTY



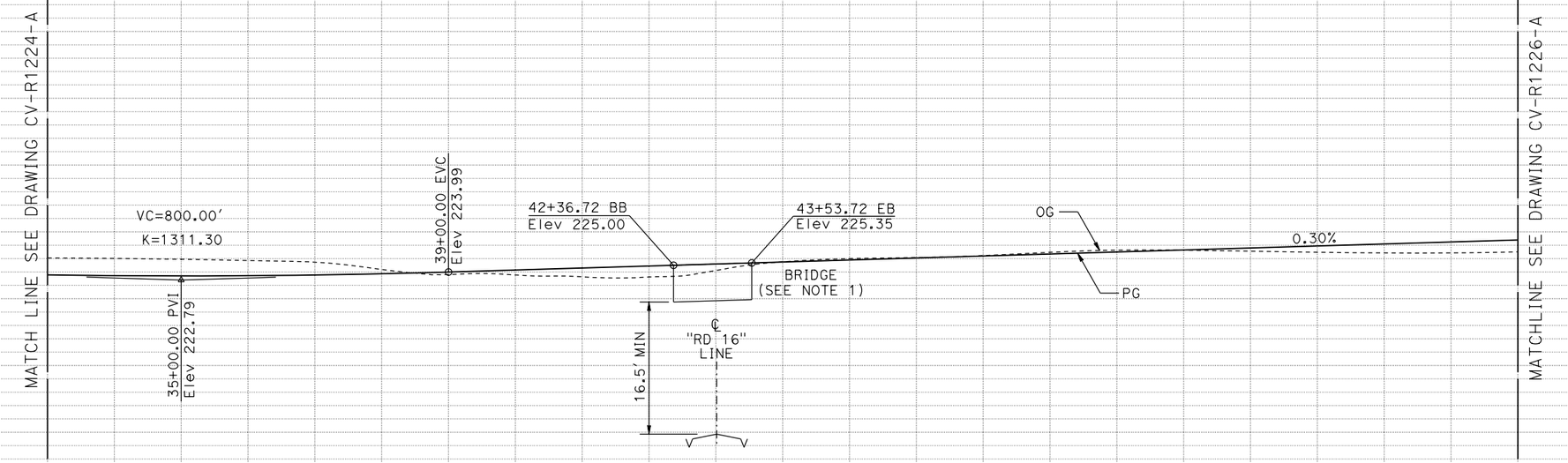
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "SR 152/RD 16" LINE

		33+00	35+00	40+00	45+00	50+00	55+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

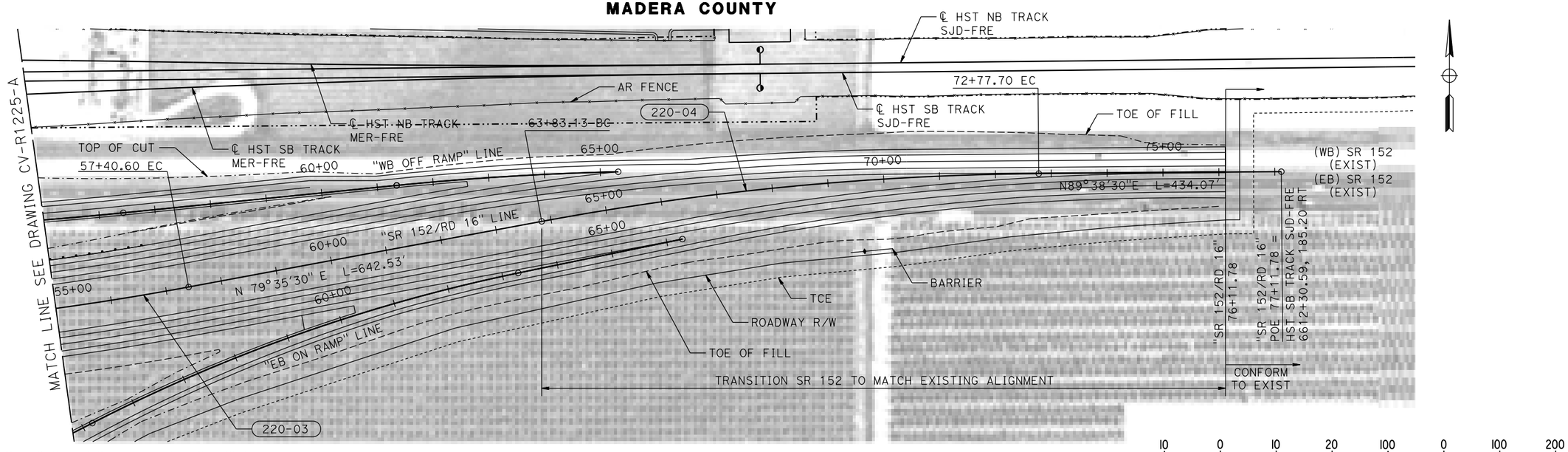
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1225-A.dgn
09-MAR-2016 3:58
p0051133A

MADERA COUNTY

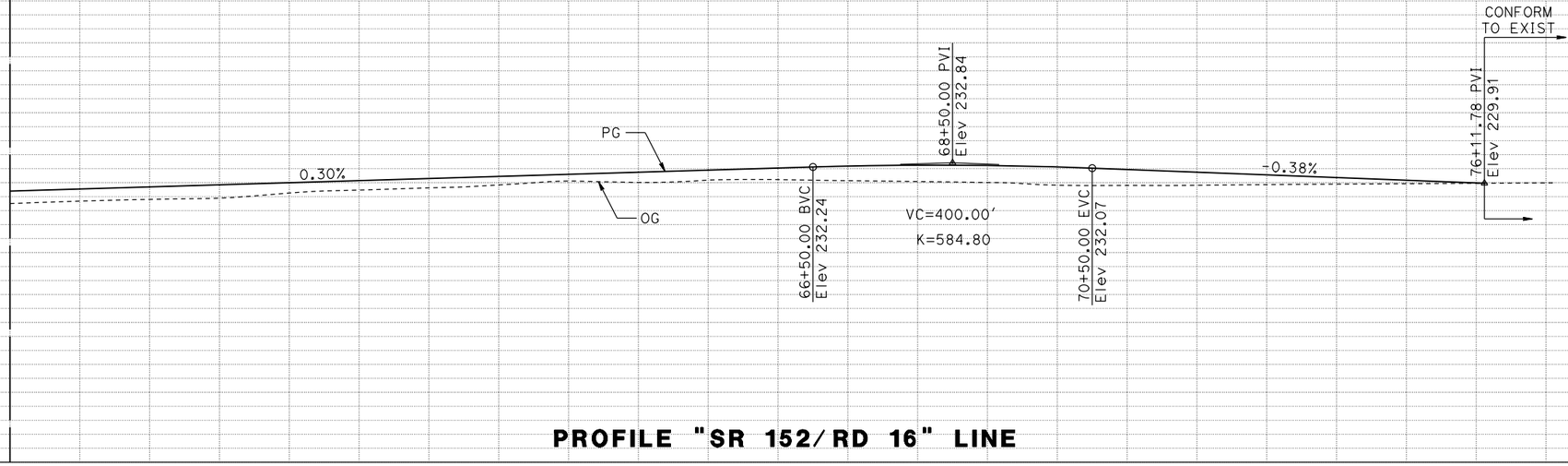


NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0063-A.
2. SR 152 REALIGNMENT AT ROAD 16 DESIGNED WITH 80 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "SR 152/RD 16" LINE

STATION		55+00	60+00	65+00	70+00	75+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

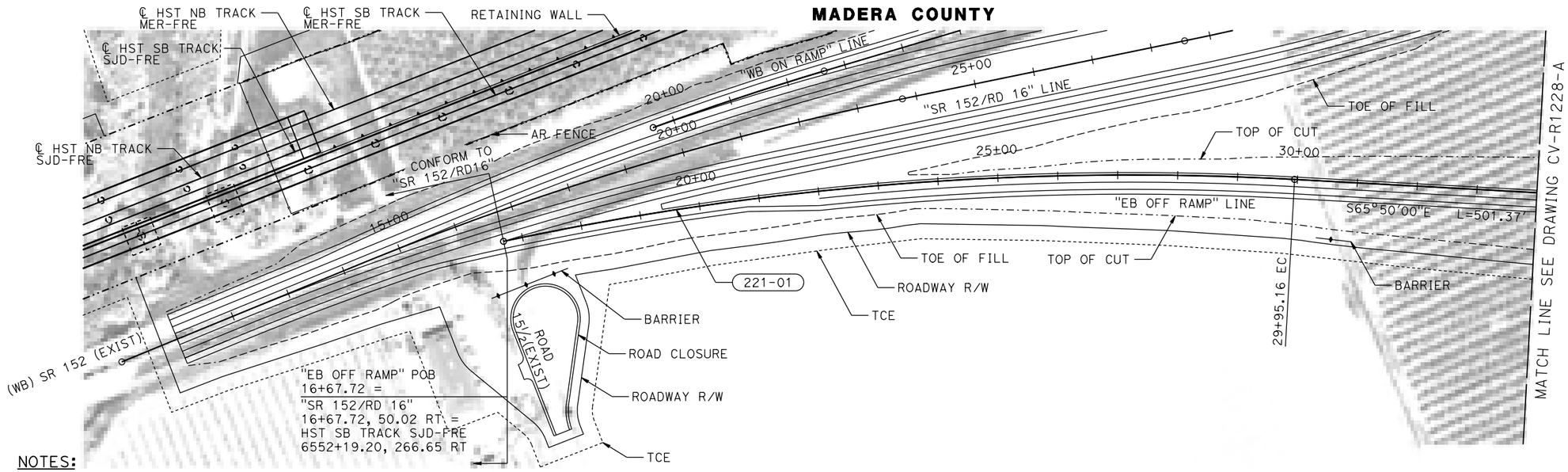
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1226-A.dgn
09-MAR-2016 4:00
p0051133A

MADERA COUNTY



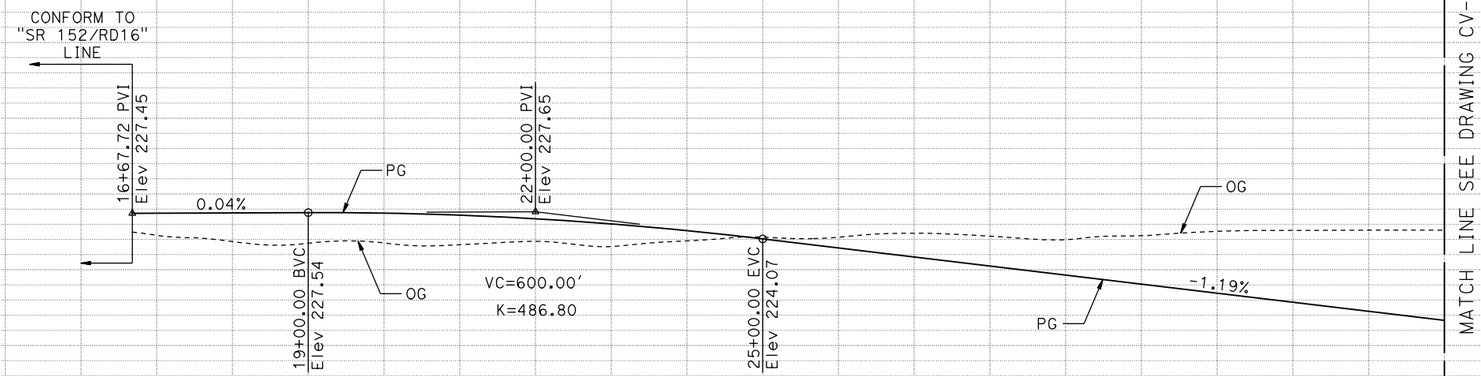
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
2. ROAD 16/SR 152 EB OFF RAMP REALIGNMENT DESIGNED WITH 50 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB OFF RAMP" LINE

STATION		15+00	20+00	25+00	30+00	34+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

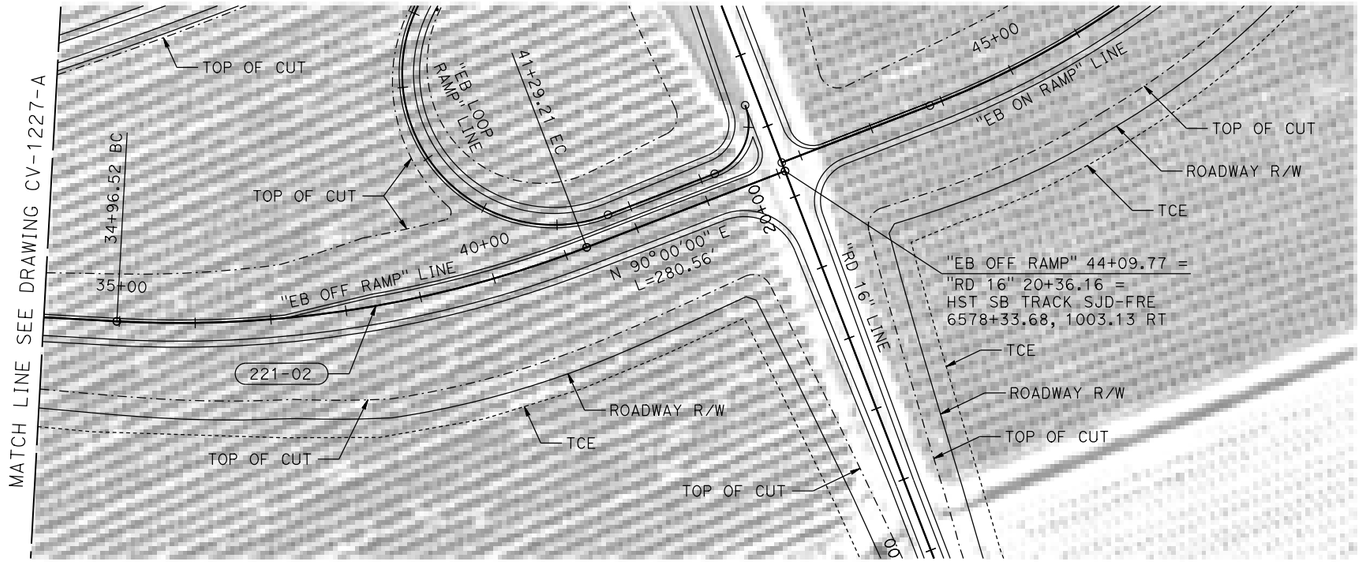
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB OFF RAMP

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

MF-CV-R1227-A.dgn
15-MAR-2016 3:33
p0042226

MADERA COUNTY



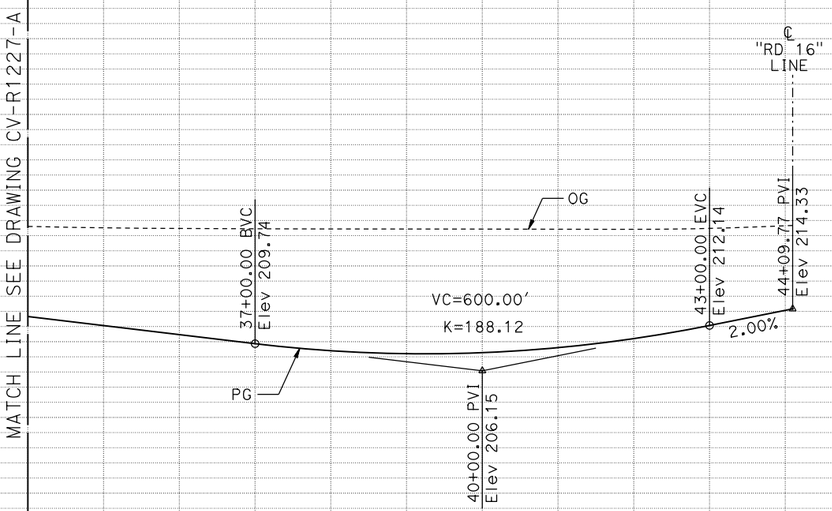
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB OFF RAMP" LINE

STATION		34+00	35+00	40+00	45+00	50+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

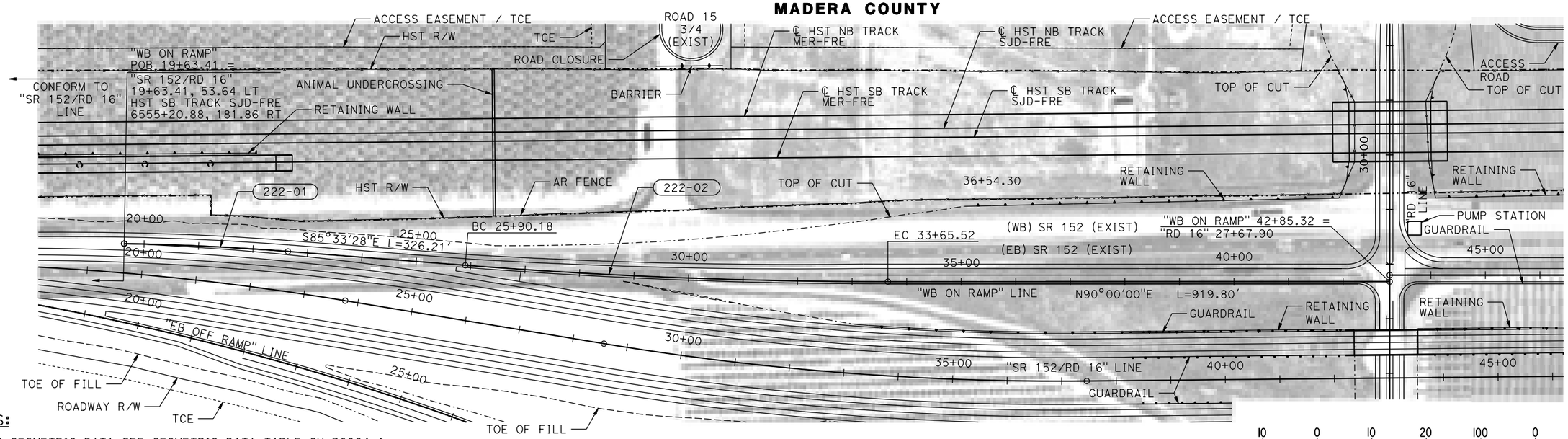
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB OFF RAMP

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

MF-CV-R1228-A.dgn
09-MAR-2016 4:01
p0051133A



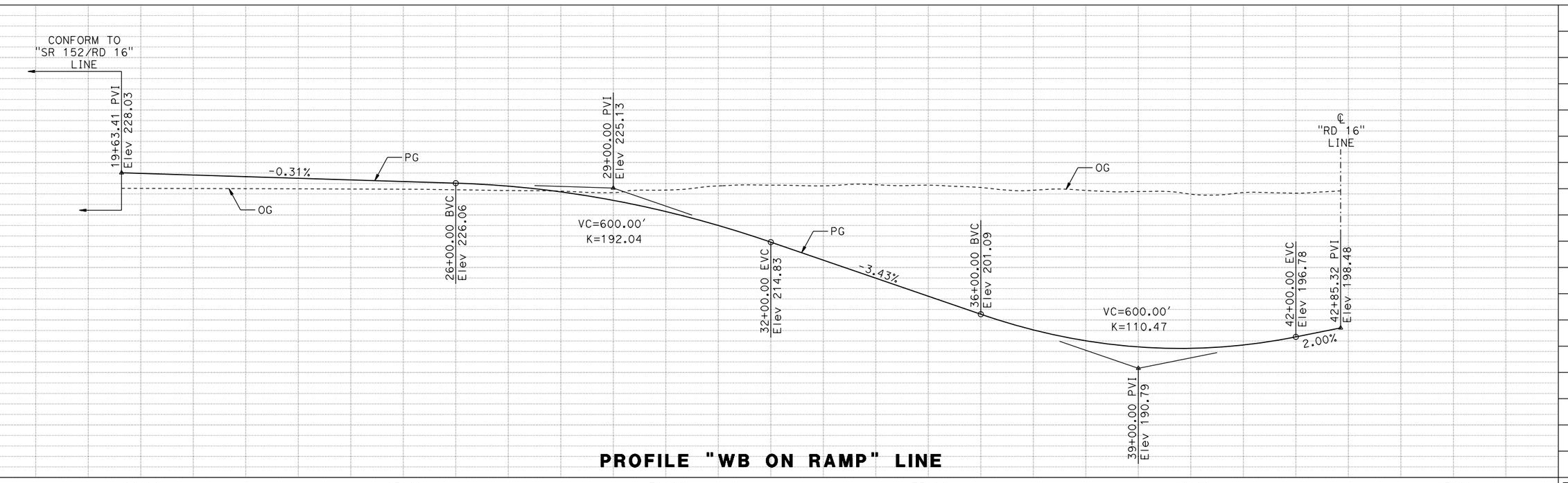
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "WB ON RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

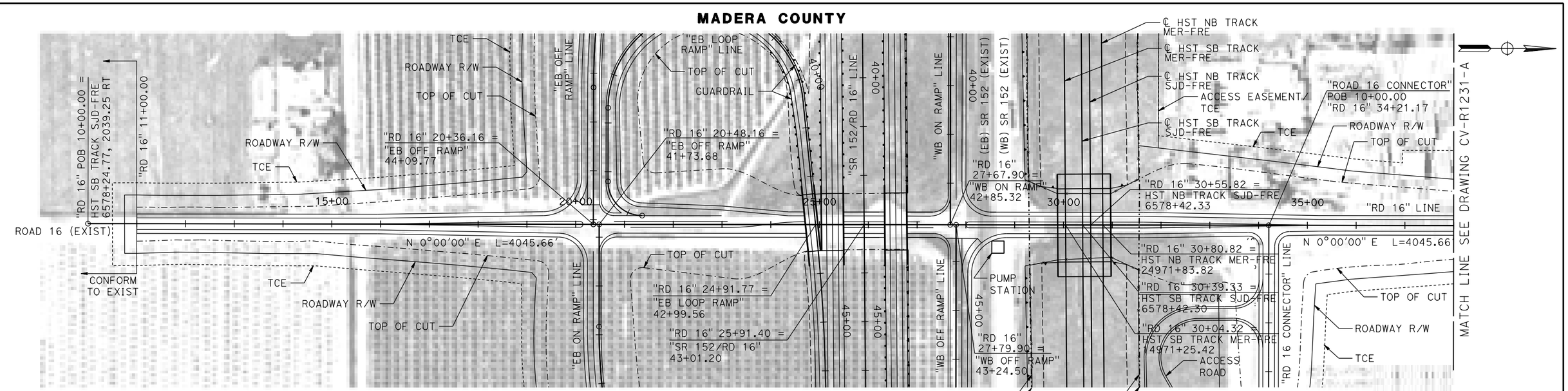
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 WB ON RAMP

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

MF-CV-R1229-A.dgn
15-MAR-2016 13:33
p0042226

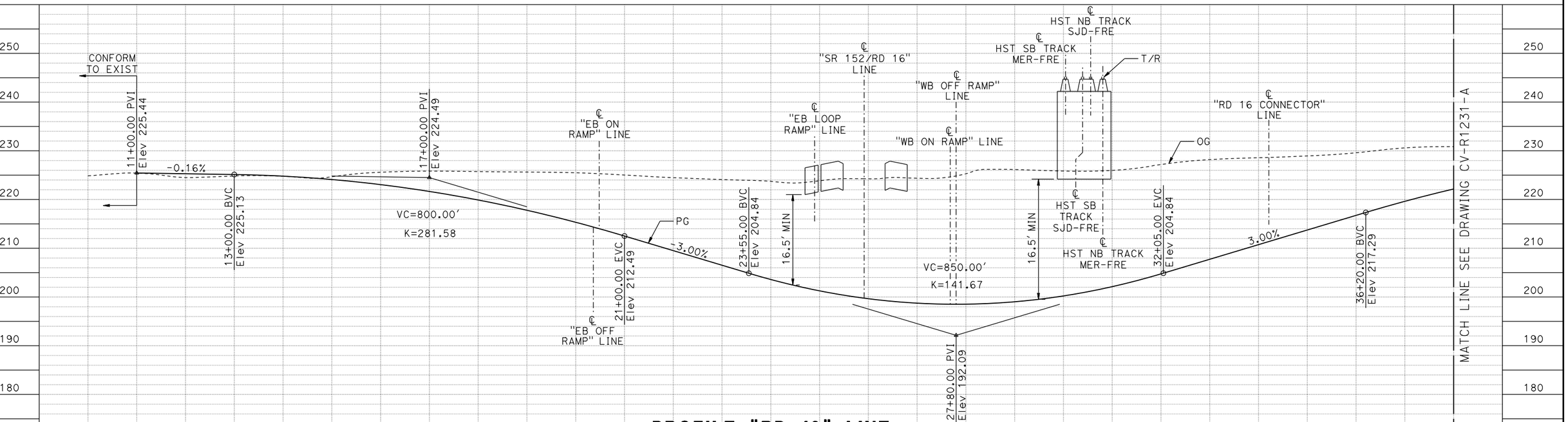
MADERA COUNTY



NOTES:

1. ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 16" LINE

		10+00	15+00	20+00	25+00	30+00	35+00	38+00	TOTAL
STATION									
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

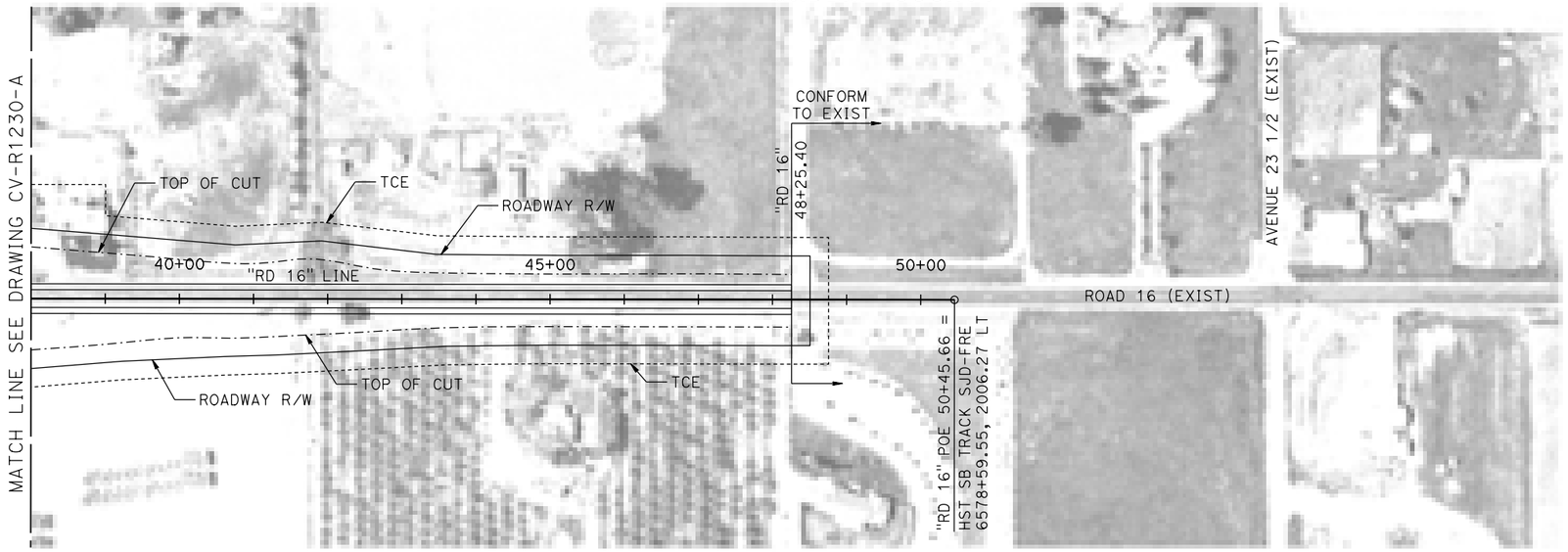
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1230-A.dgn
07-SEP-2016 1:02
p0021811

MADERA COUNTY



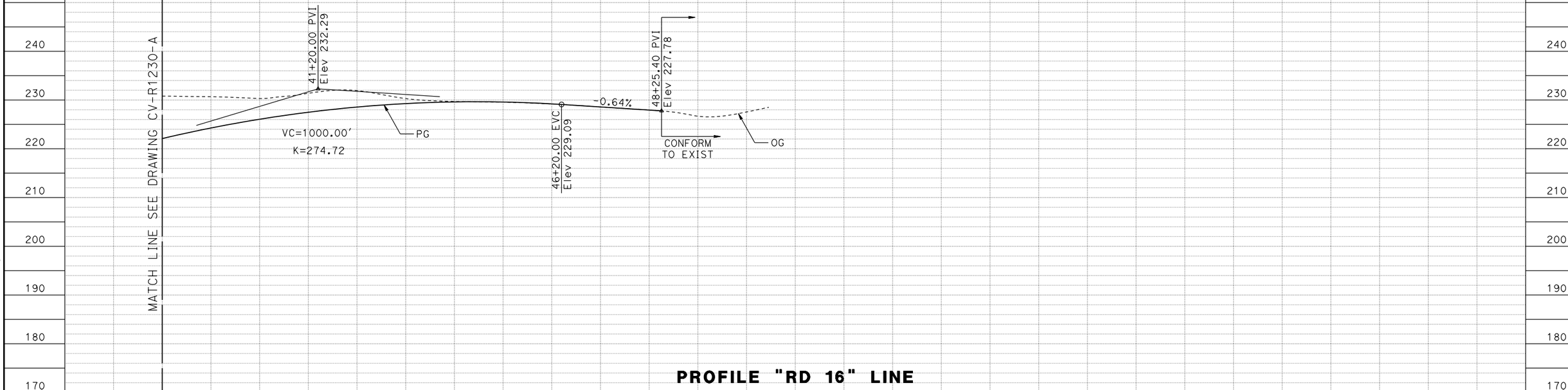
PLAN

NOTES:

1. ROAD 16 DESIGNED WITH 60 MPH DESIGN SPEED.

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "RD 16" LINE

STATION		38+00	40+00	45+00	50+00	55+00	60+00	65+00	TOTAL
CY	EXC								
	EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

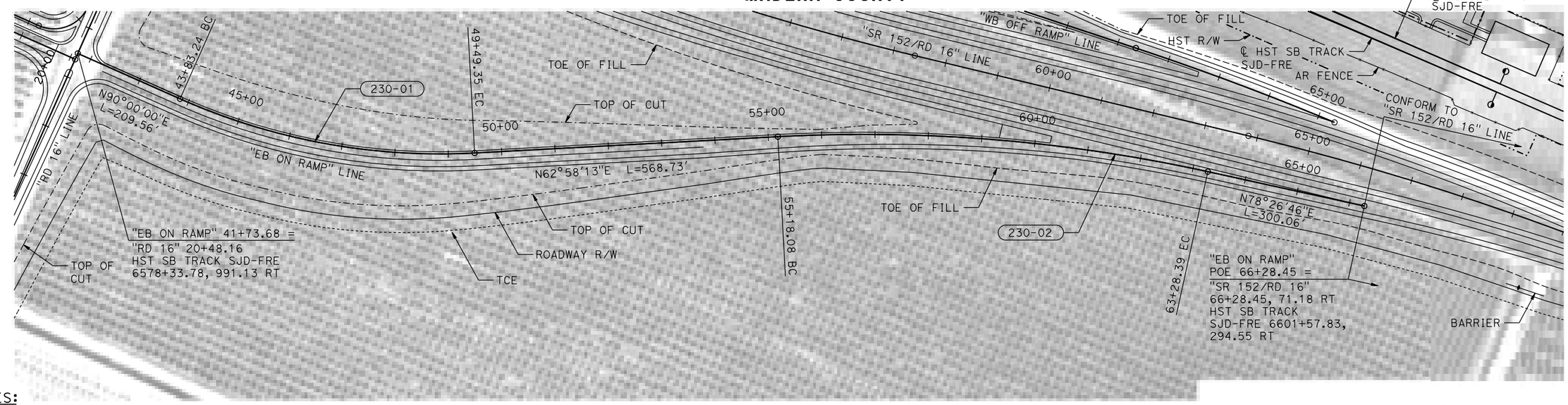
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1231-A.dgn
02-SEP-2016 13:18
p0021811

MADERA COUNTY



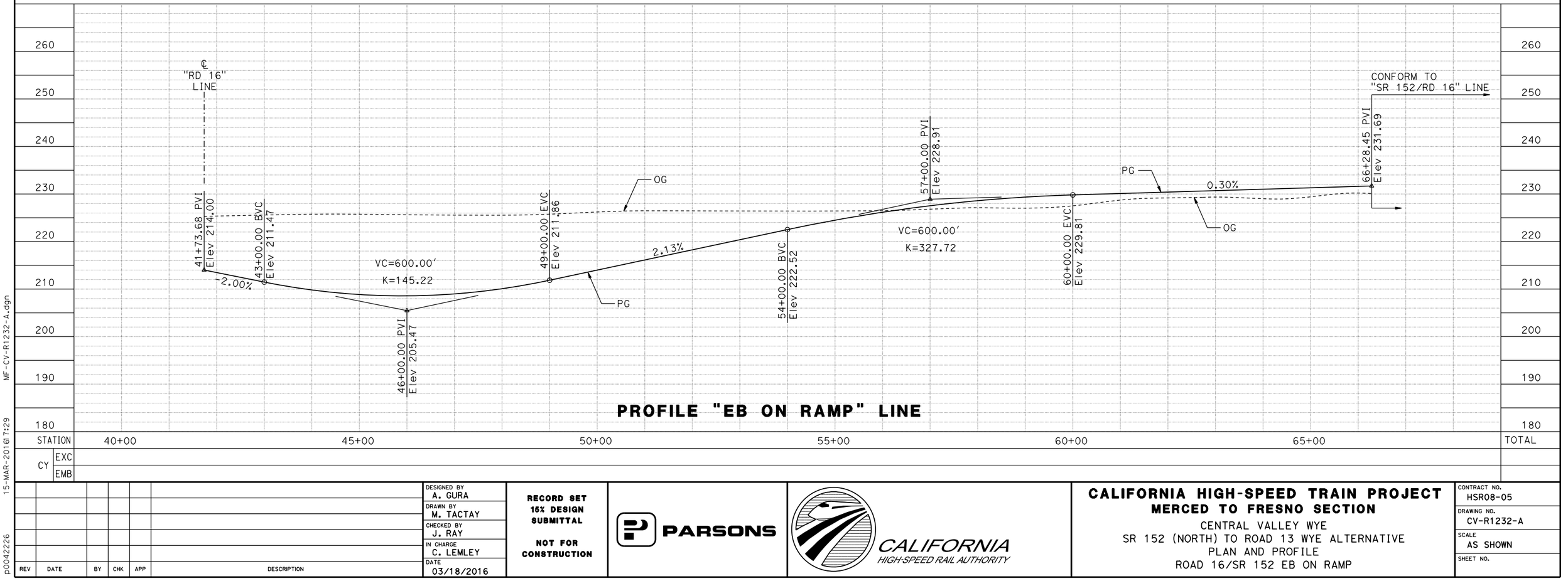
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB ON RAMP" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

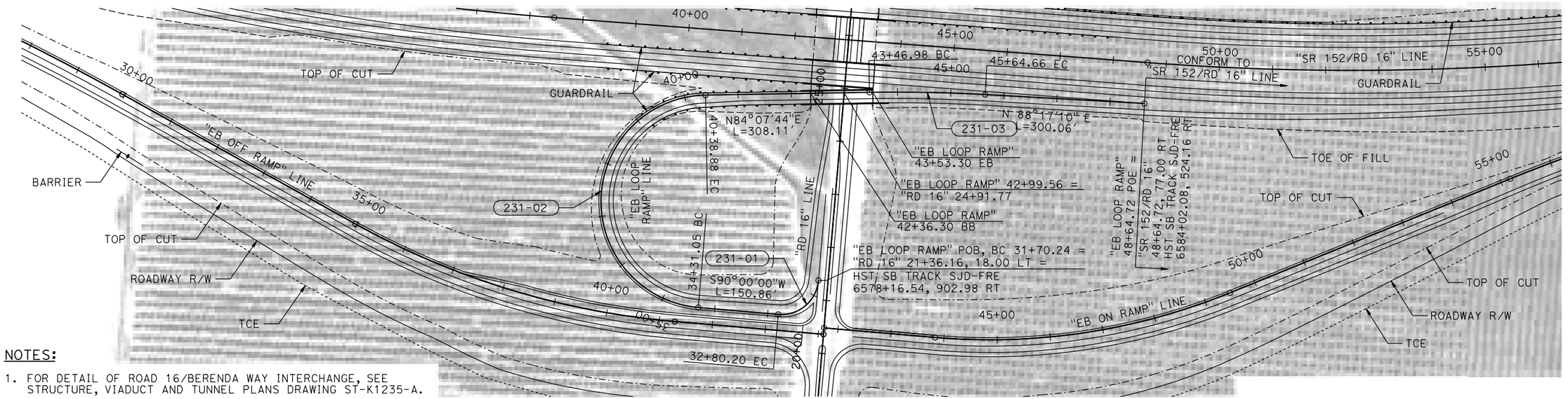
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB ON RAMP

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

MF-CV-R1232-A.dgn
15-MAR-2016 7:29
p0042226

MADERA COUNTY



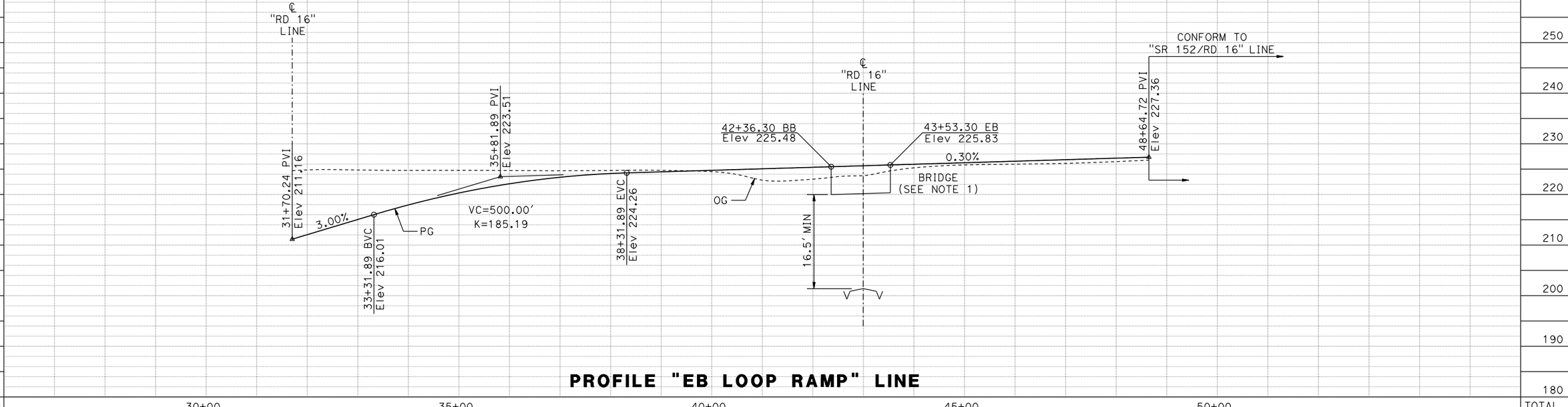
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "EB LOOP RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

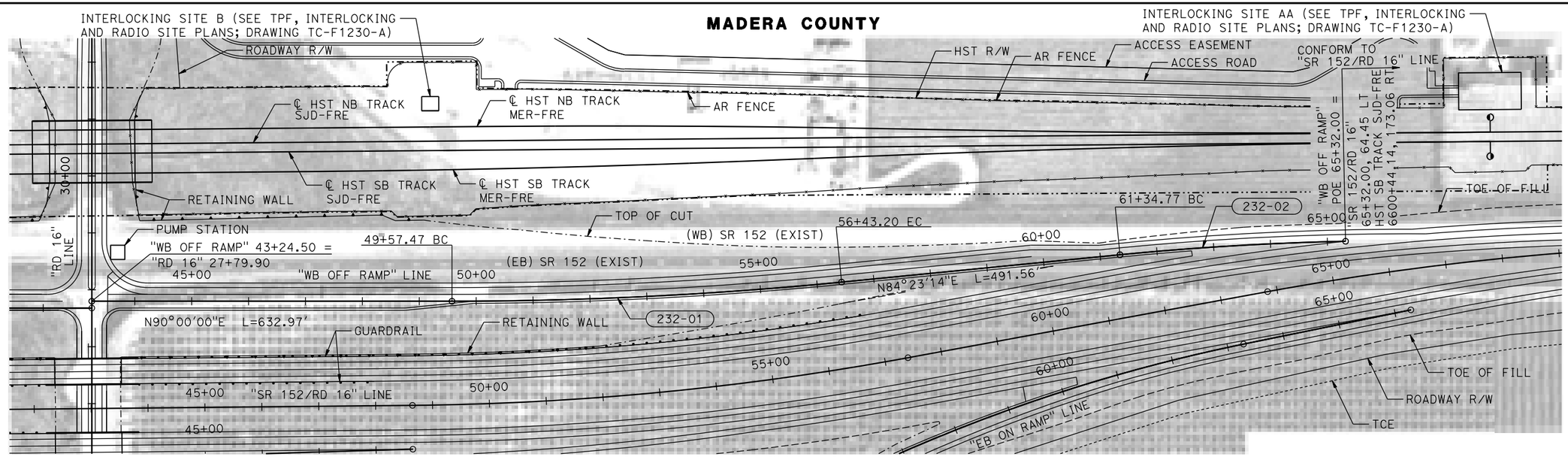
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 EB LOOP RAMP

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

MF-CV-R1233-A.dgn
15-MAR-2016 7:30
p0042226



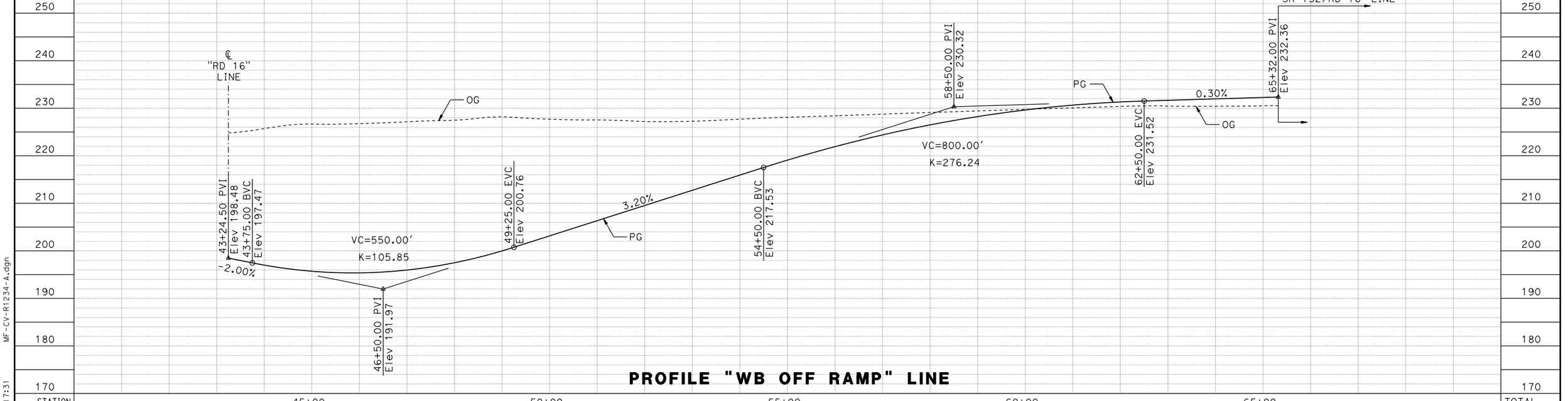
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "WB OFF RAMP" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

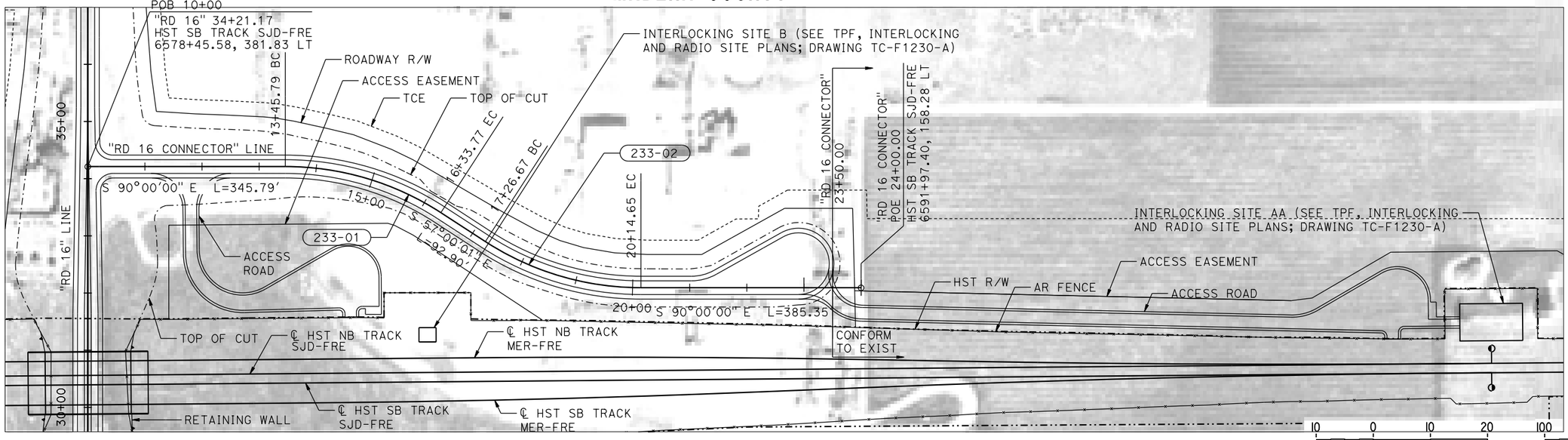
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 16/SR 152 WB OFF RAMP

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

MF-CV-R1234-A.dgn
15-MAR-2016 7:31
p0042226

MADERA COUNTY

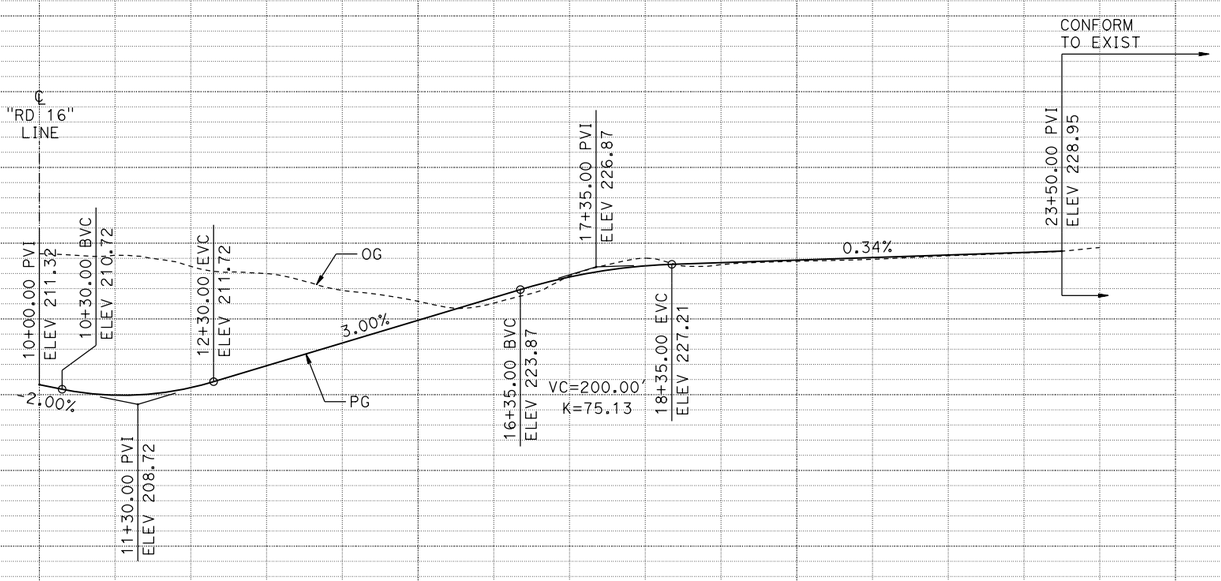


VERT: 1"=10' HORIZ: 1"=100'

NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0064-A.
2. ROAD 16 CONNECTOR DESIGNED WITH 25 MPH DESIGN SPEED.

PLAN



PROFILE "RD 16 CONNECTOR" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

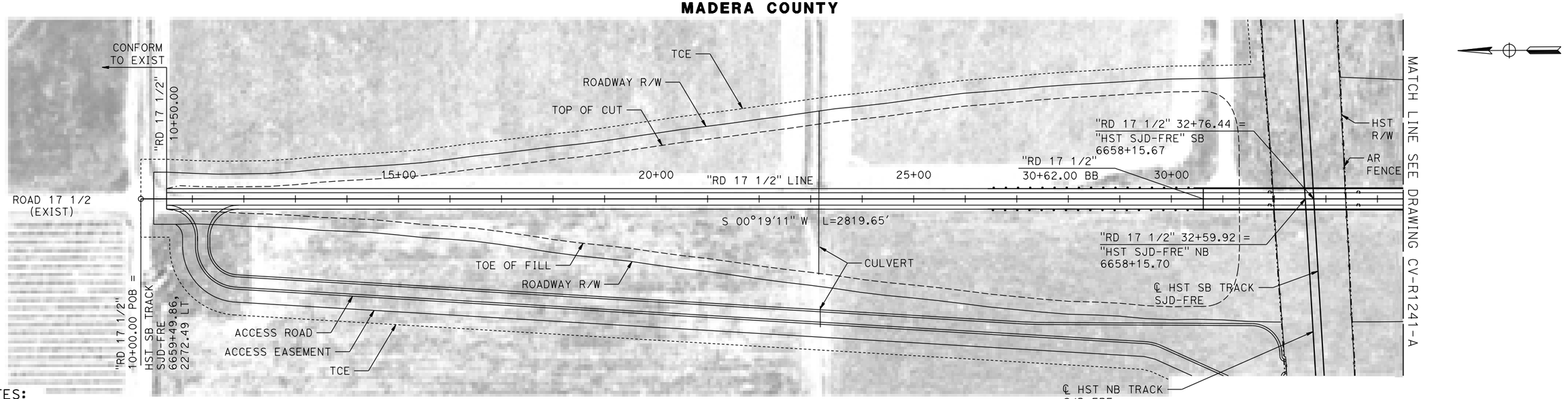
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1235-A.dgn
06-SEP-2016 10:56
p0021811

MADERA COUNTY



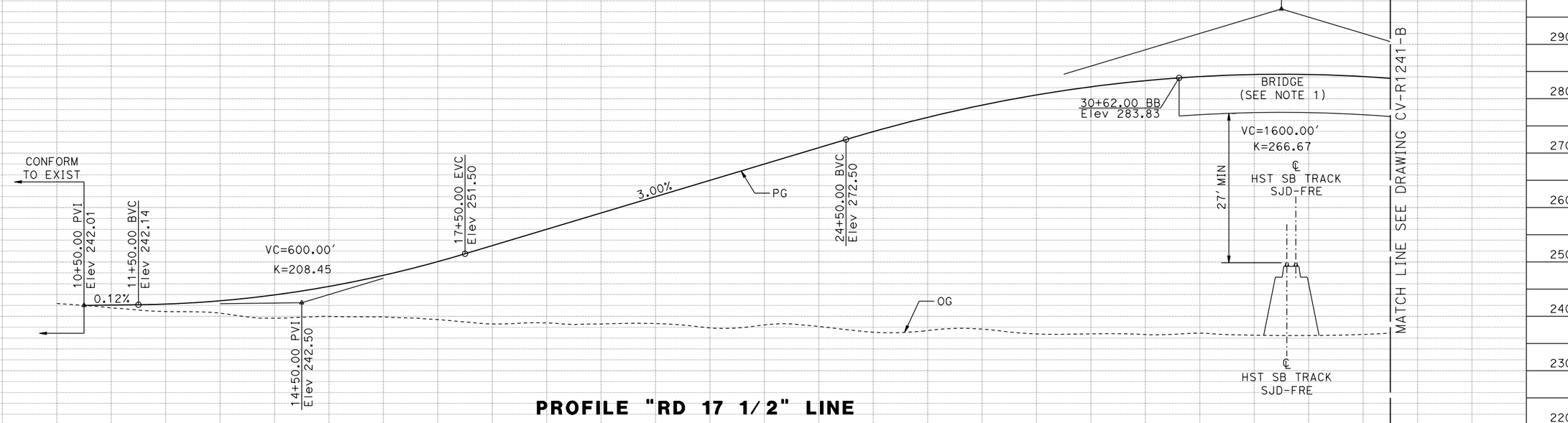
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "RD 17 1/2" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

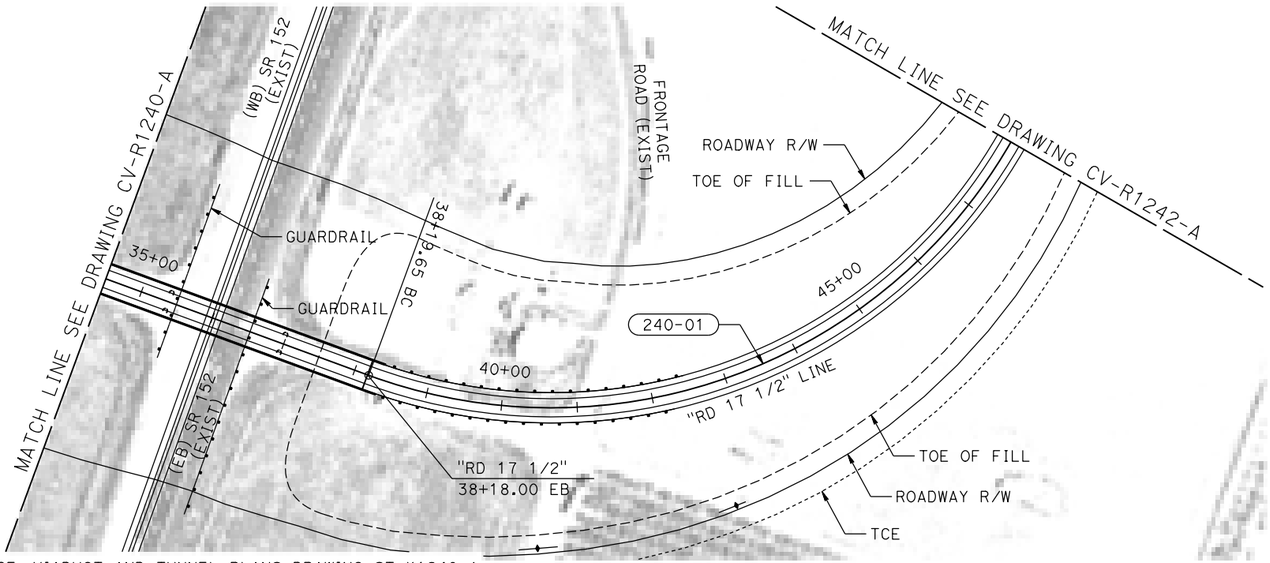
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

MADERA COUNTY



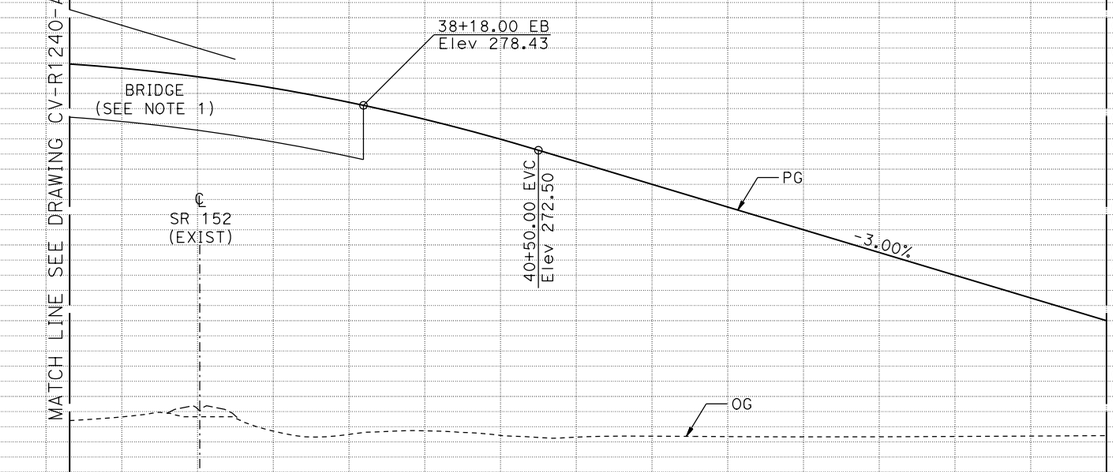
PLAN

NOTES:

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

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 17 1/2" LINE

STATION		30+00	35+00	40+00	45+00	50+00	55+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

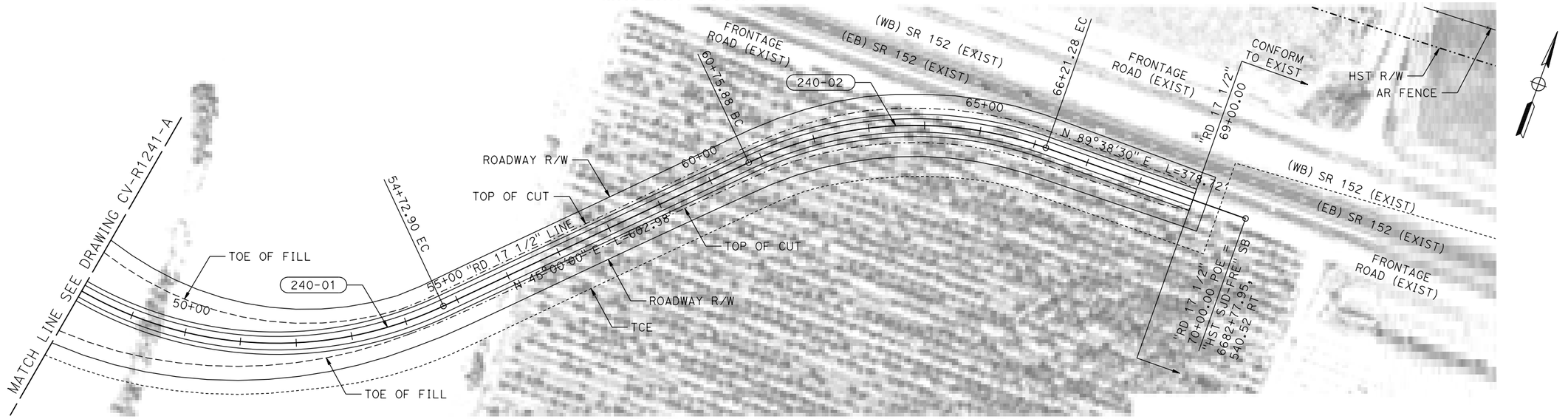
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1241-A.dgn
09-MAR-2016 4:05
p005133A

MADERA COUNTY



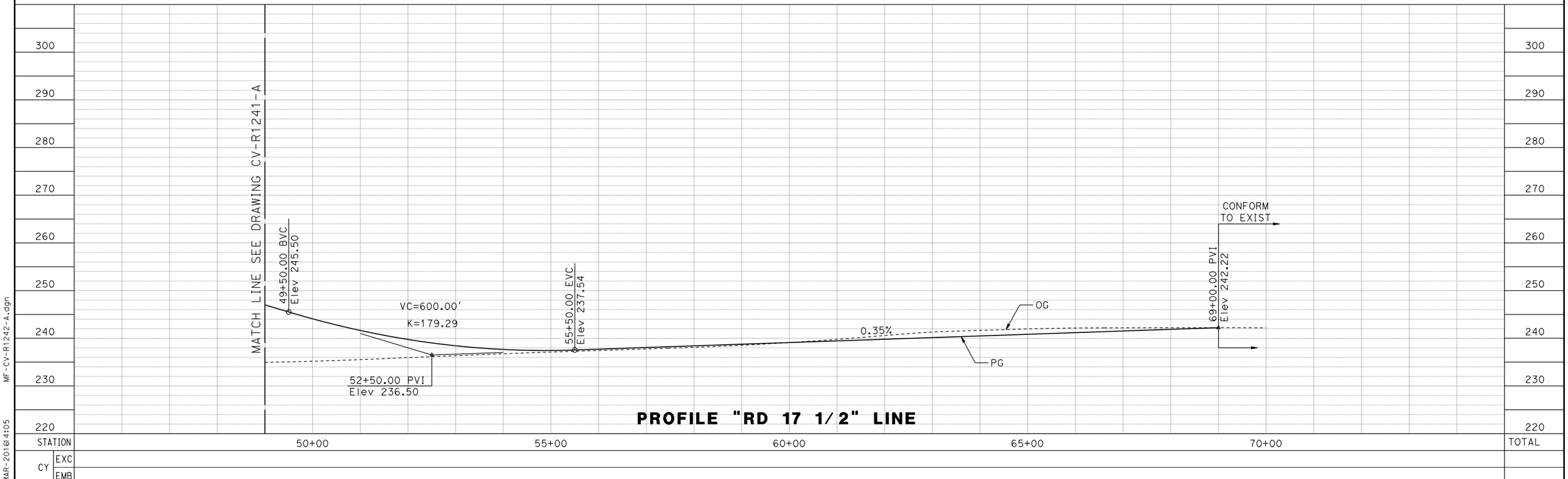
NOTES:

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

PLAN

10 0 10 20 VERT: 1"=10'

100 0 100 200 HORIZ: 1"=100'



PROFILE "RD 17 1/2" LINE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

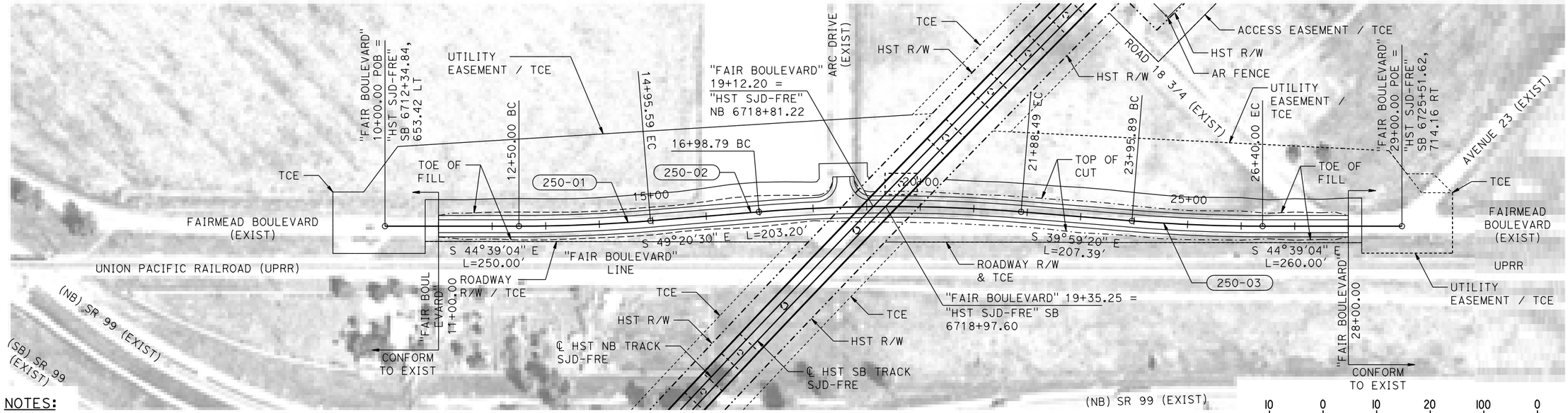
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 17½ GRADE SEPARATION

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

MF-CV-R1242-A.dgn
09-MAR-2016 14:05
p005133A

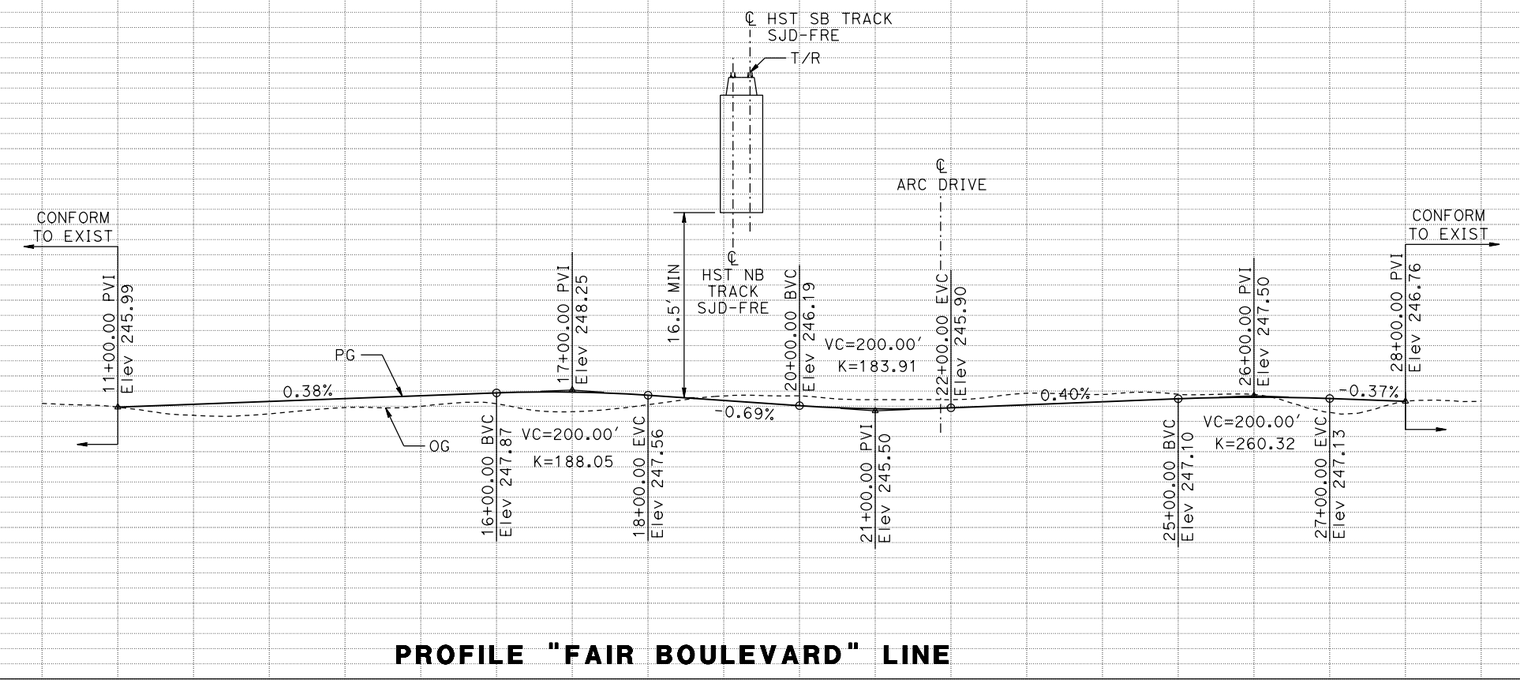
MADERA COUNTY



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

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)

PLAN



PROFILE "FAIR BOULEVARD" LINE

STATION	5+00	10+00	15+00	20+00	25+00	30+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

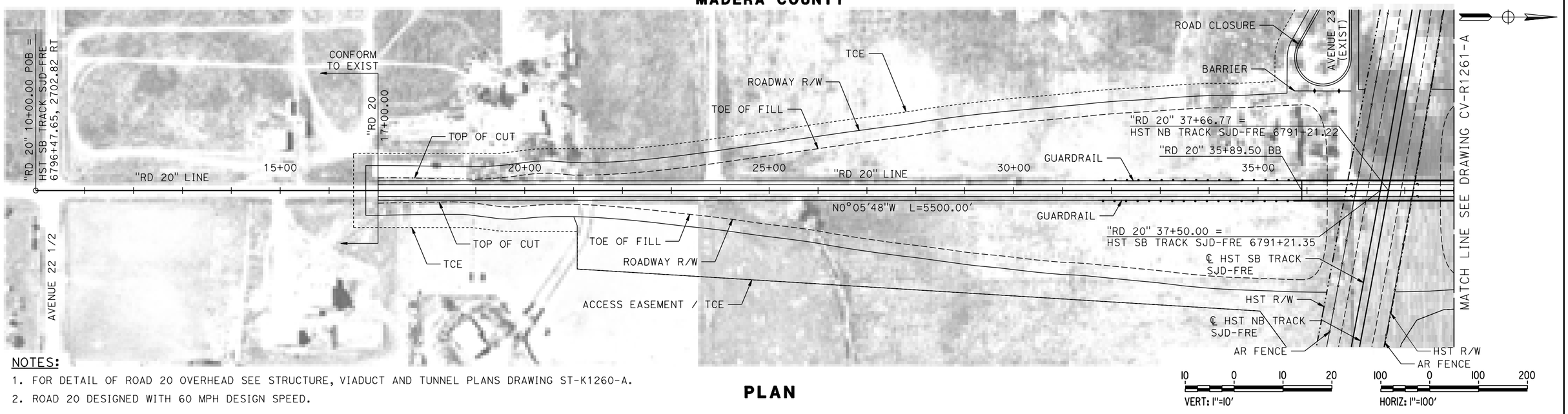
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1250-A.dgn
06-SEP-2016 10:57
p0021811

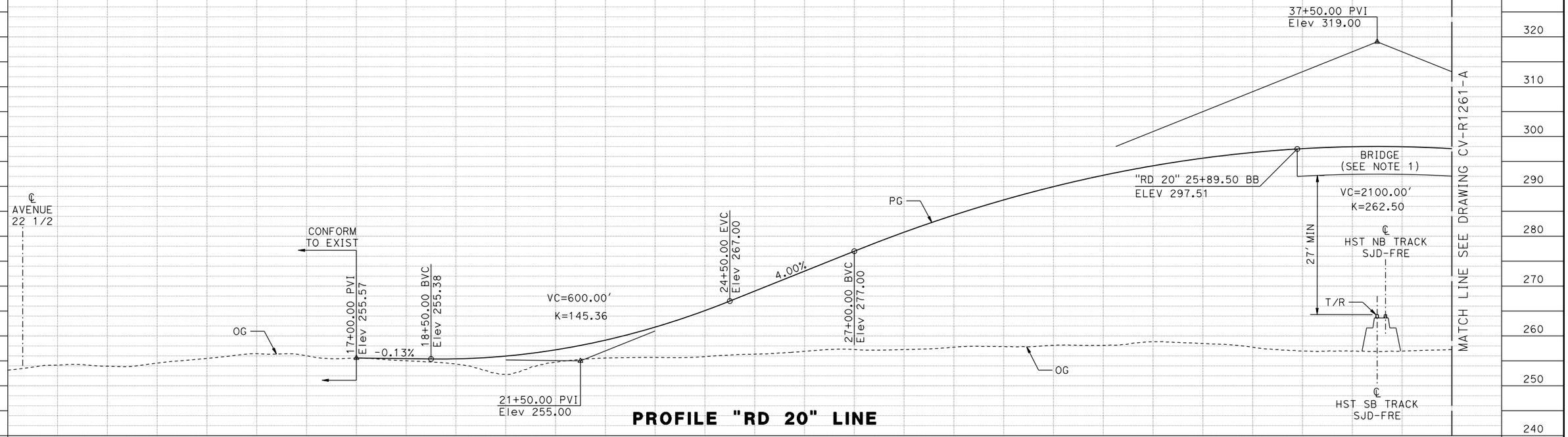
MADERA COUNTY



NOTES:

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

PLAN



PROFILE "RD 20" 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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

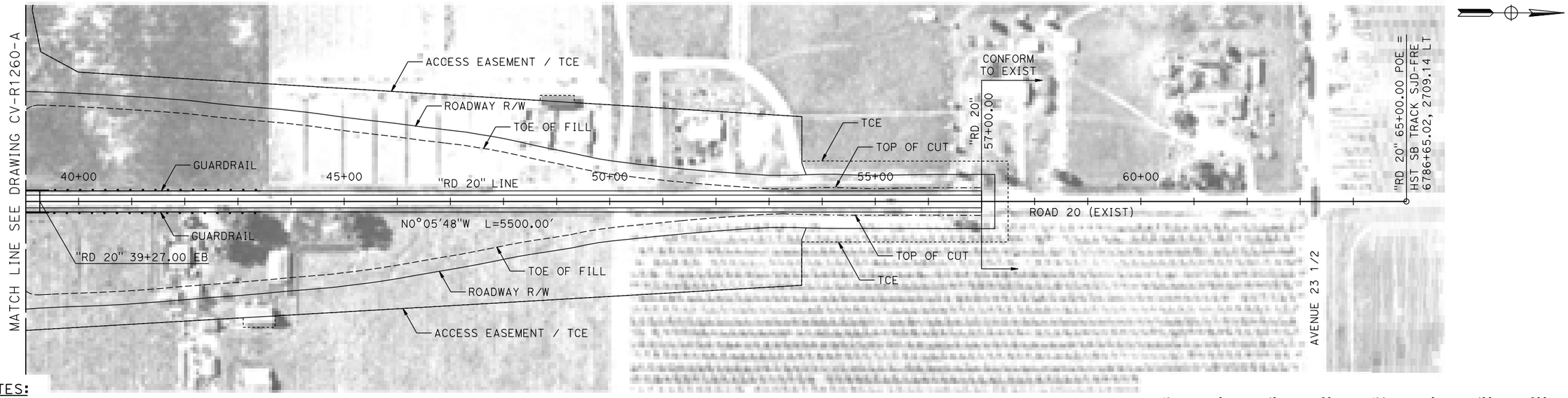
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1260-A.dgn
15-MAR-2016 7:32
p0042226

MADERA COUNTY

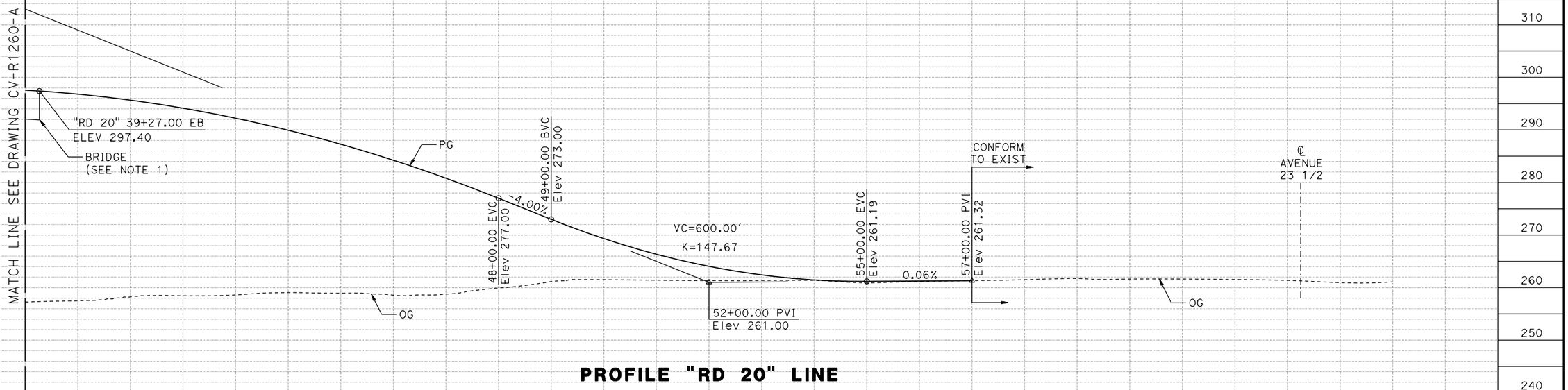


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "RD 20" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

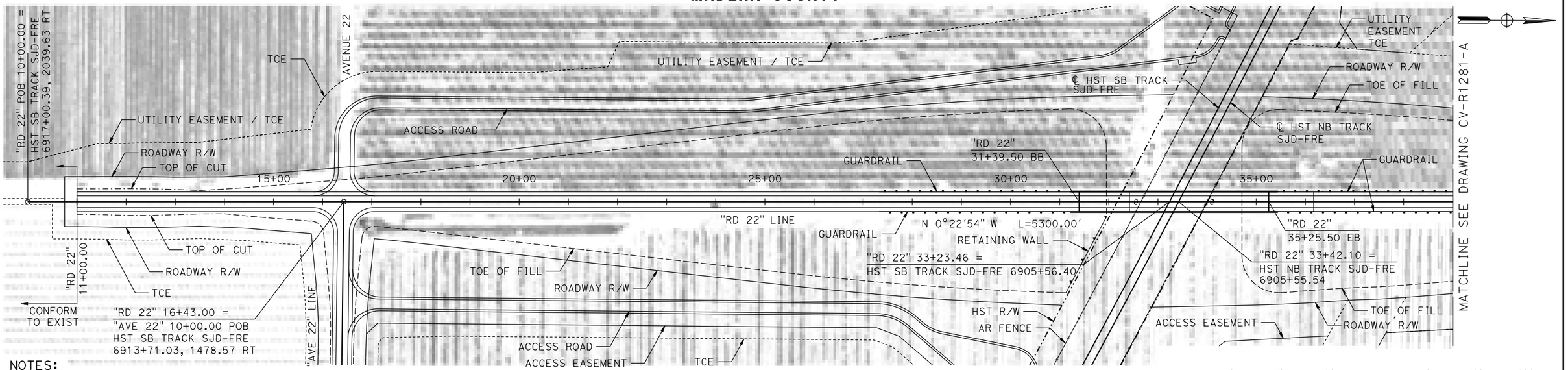
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1261-A.dgn
15-MAR-2016 7:33
p0042226

MADERA COUNTY



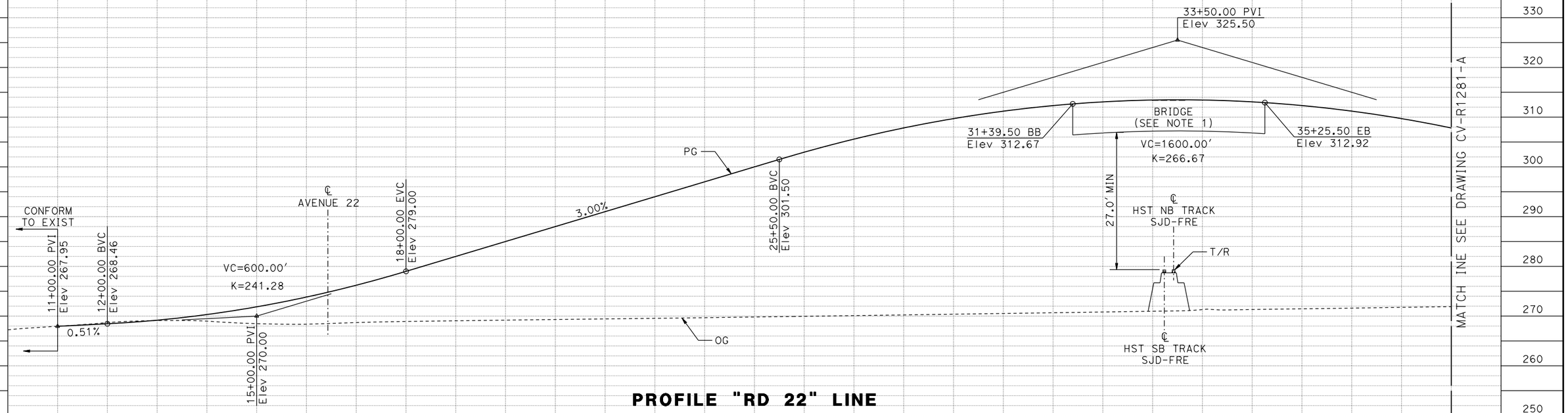
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 22" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

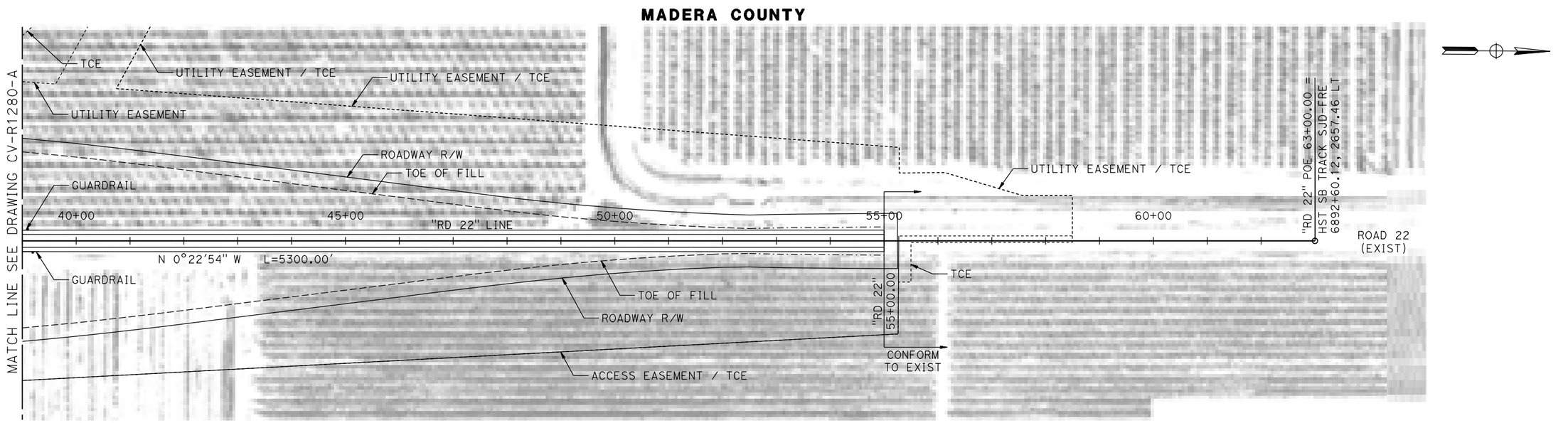
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1280-A.dgn
16-MAR-2016 15:09
p0051133A



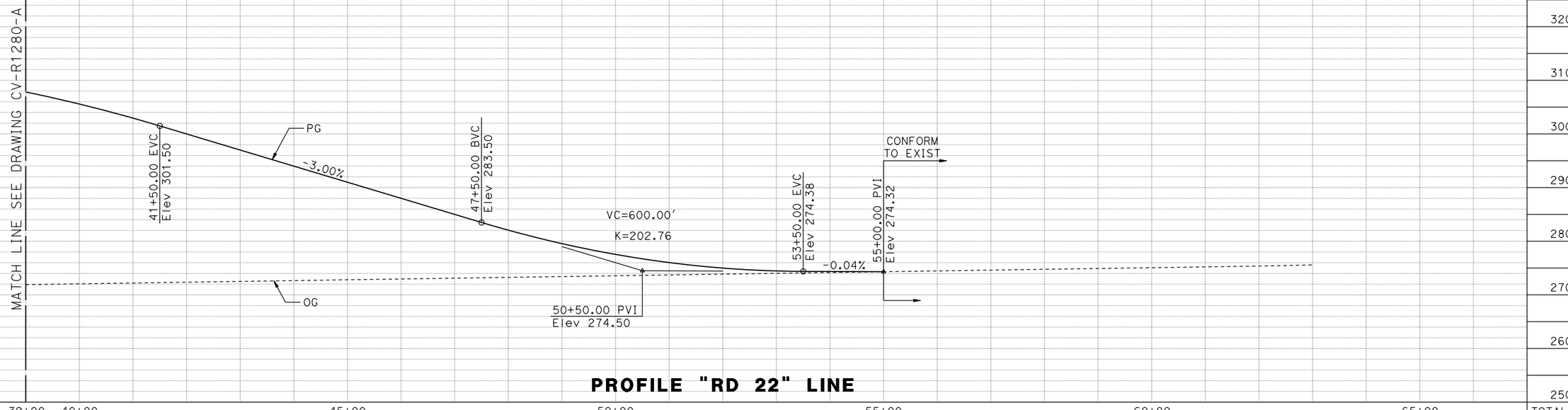
NOTES:

1. ROAD 22 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

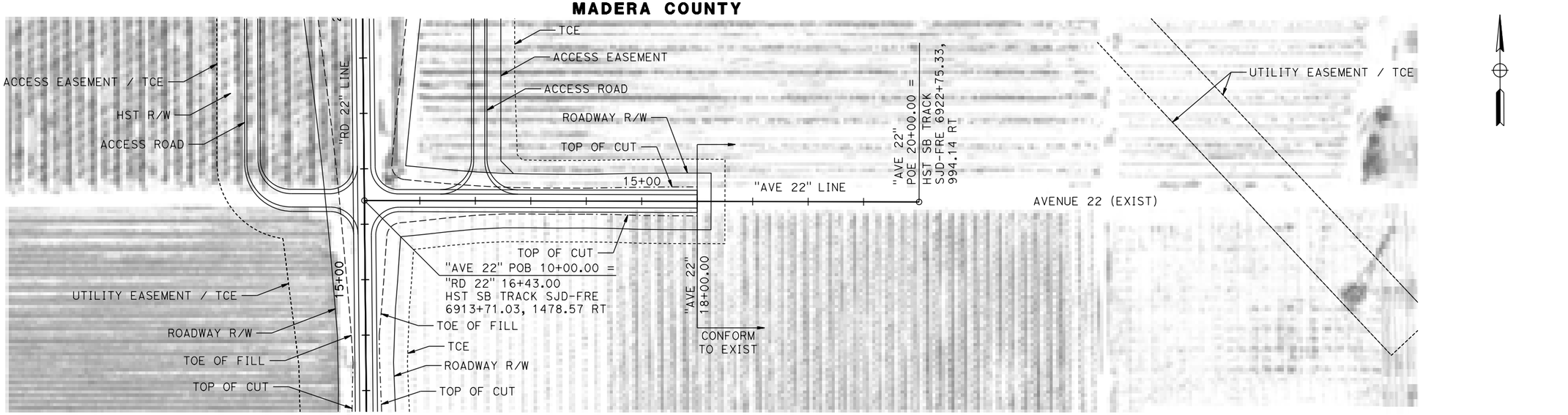
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1281-A.dgn
16-MAR-2016 15:10
p005133A

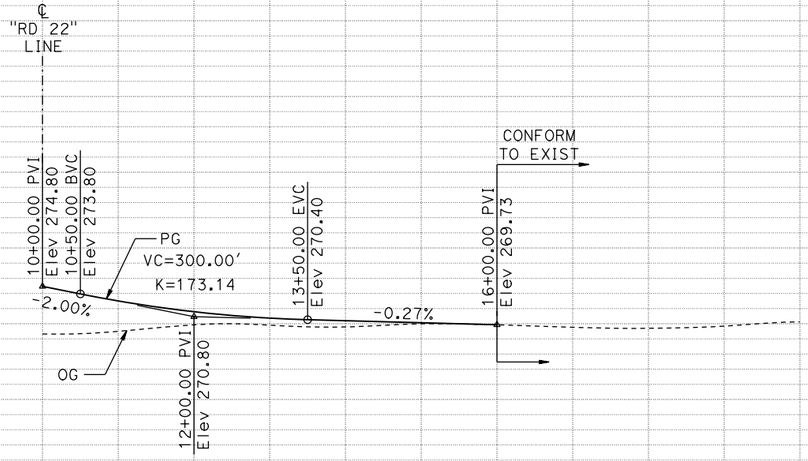
MADERA COUNTY



PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "AVE 22" LINE

STATION	10+00	15+00	20+00	TOTAL
CY EXC				
CY EMB				

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

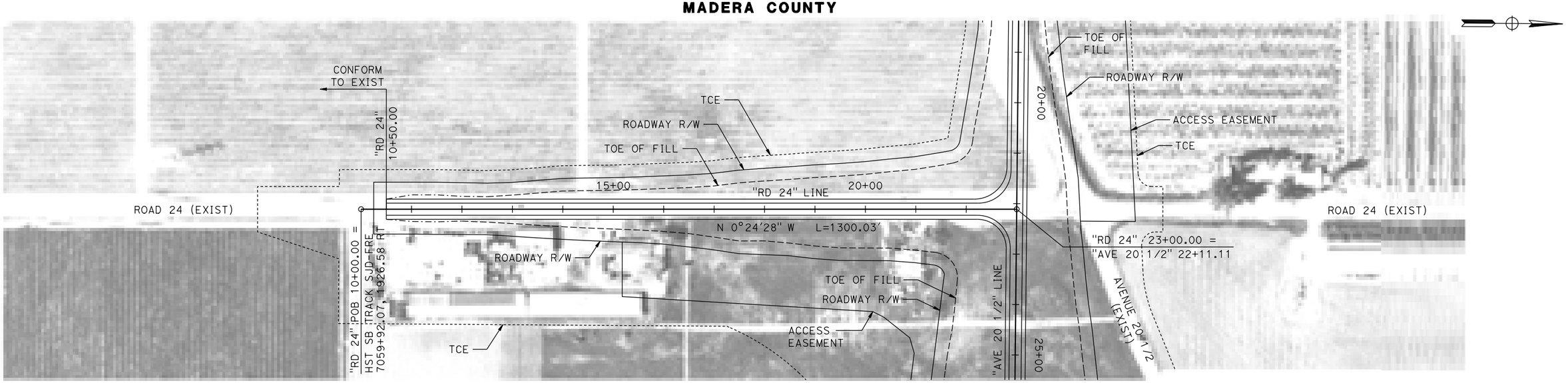
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1290-A.dgn
15-MAR-2016 7:35
p0042226

MADERA COUNTY



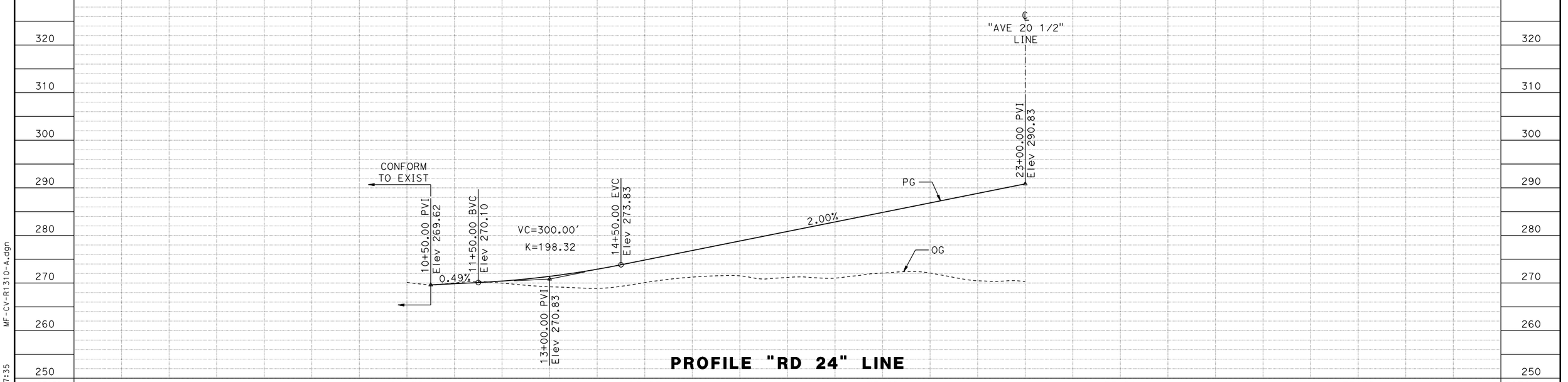
NOTES:

1. ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

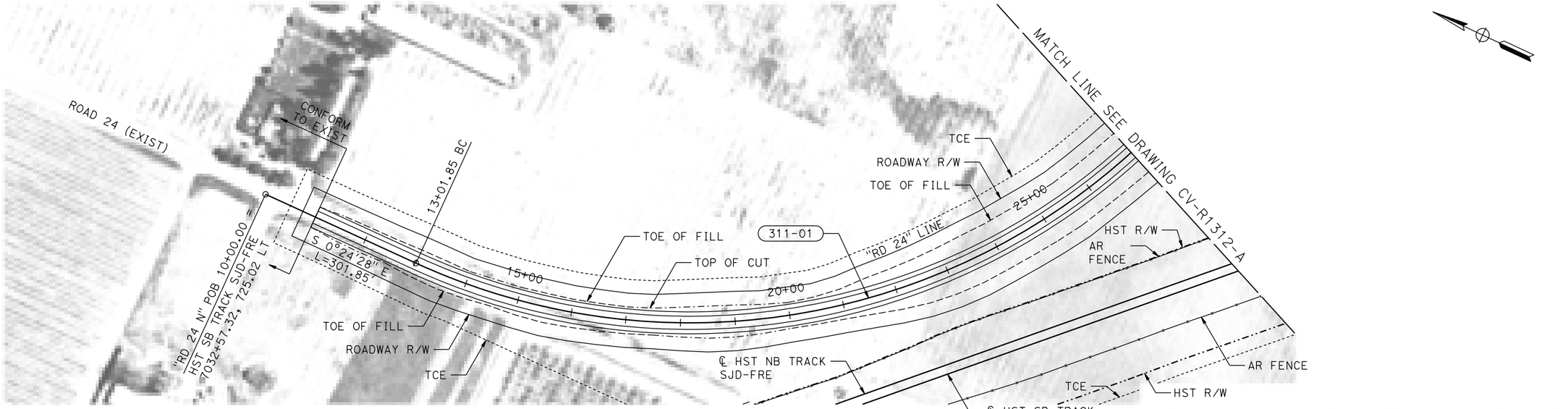
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

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

MF-CV-R1310-A.dgn
15-MAR-2016 7:35
p0042226

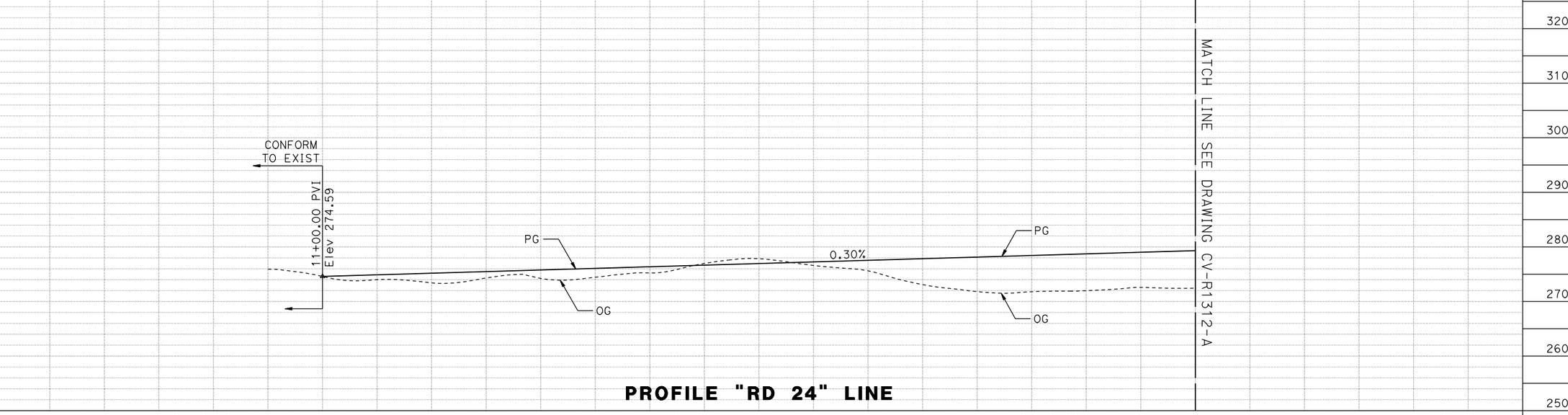
MADERA COUNTY



NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
2. ROAD 24 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN



PROFILE "RD 24" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

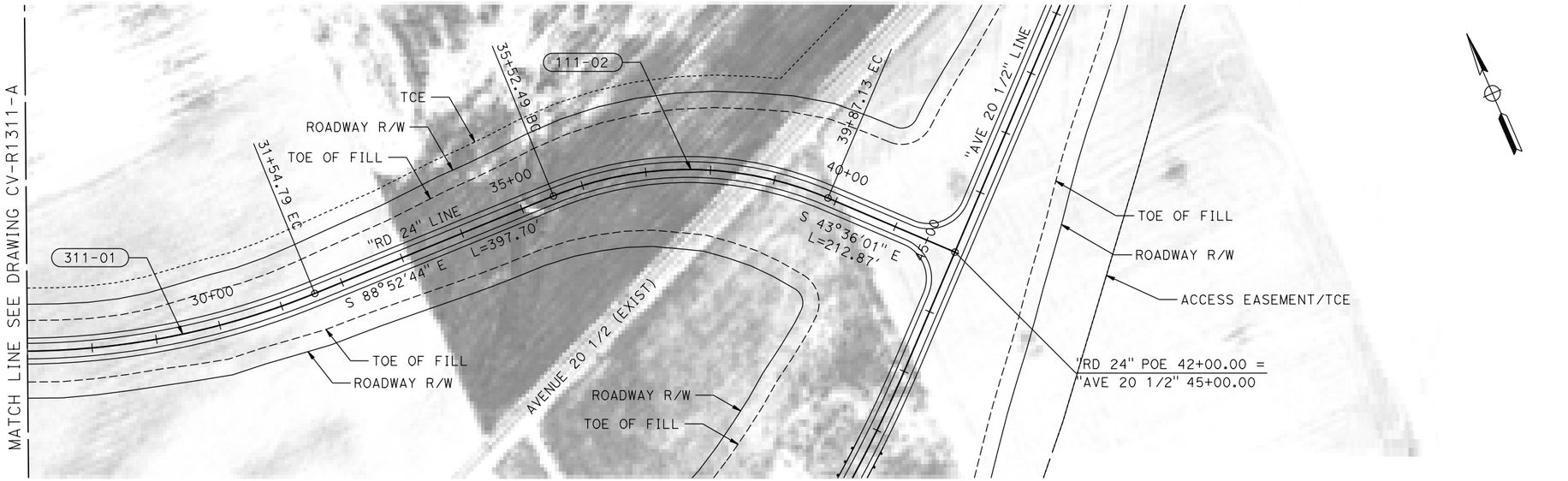
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

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

MF-CV-R1311-A.dgn
15-MAR-2016 7:36
p0042226

MADERA COUNTY



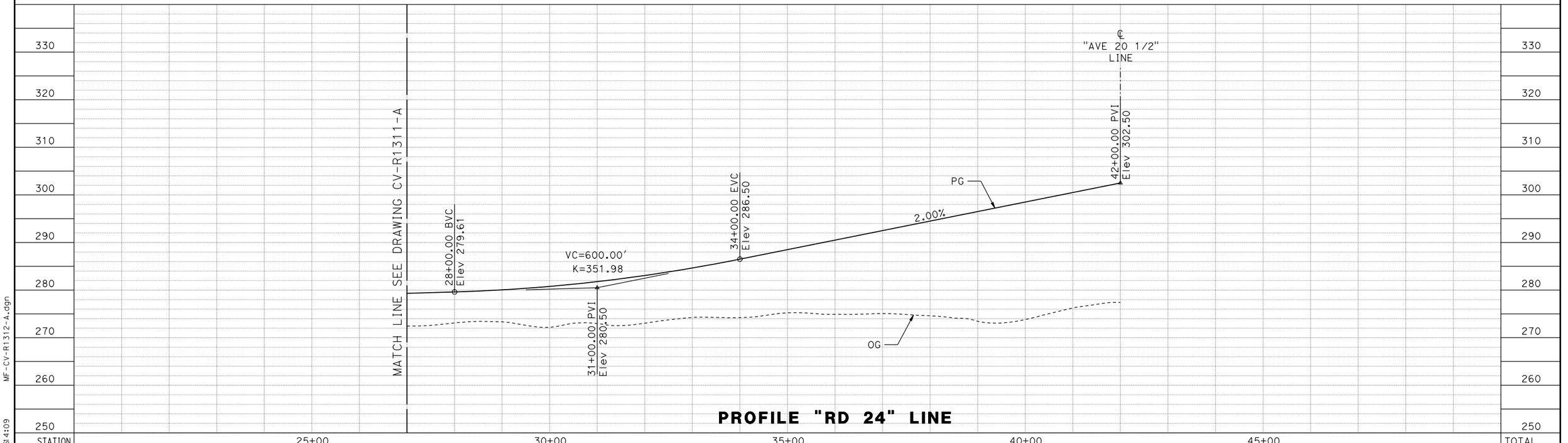
NOTES:

1. FOR GEOMETRIC DATA SEE GEOMETRIC DATA TABLE CV-B0065-A.
2. ROAD 24 REALIGNMENT DESIGNED WITH 35 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "RD 24" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
ROAD 24 REALIGNMENT

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

09-MAR-2016 4:09
MF-CV-R1312-A.dgn
p0051334

MADERA COUNTY

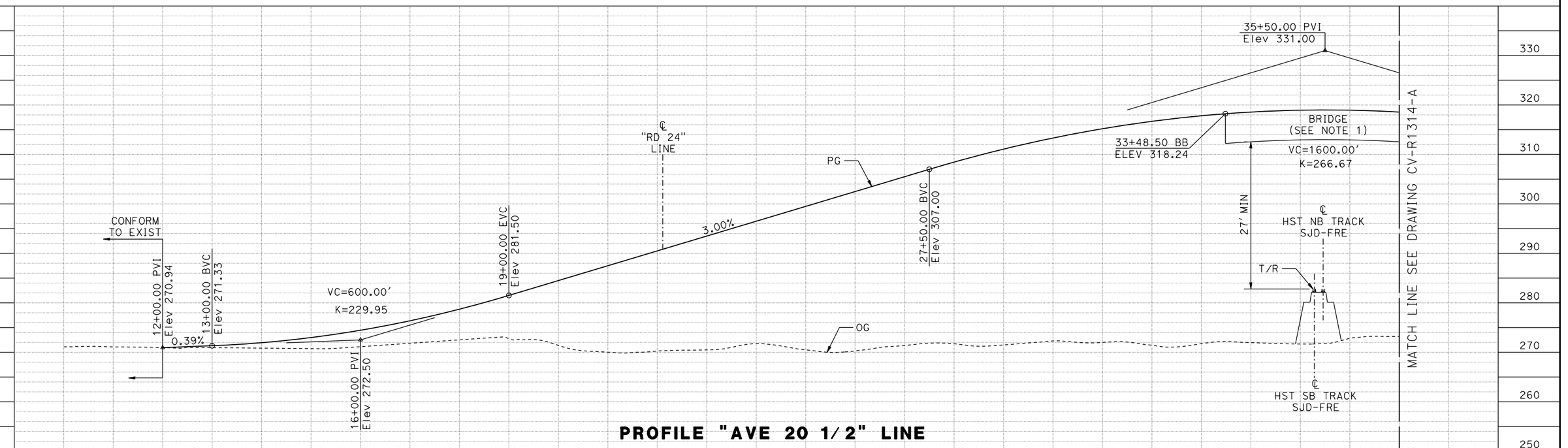
NOTES:

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

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

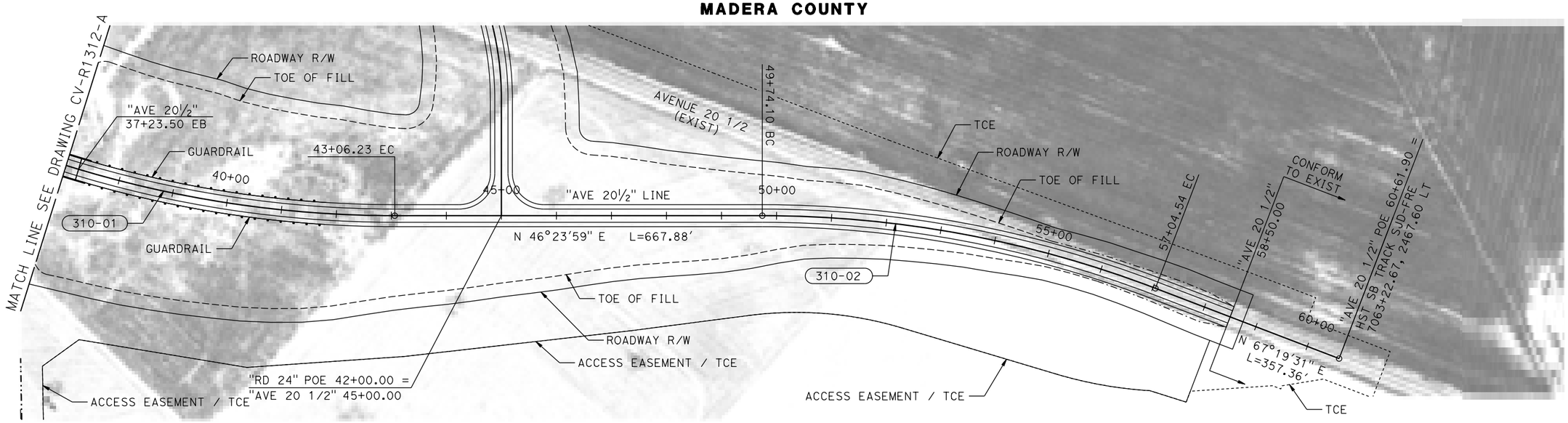
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1313-A.dgn
16-MAR-2016 13:22
p0042226

MADERA COUNTY



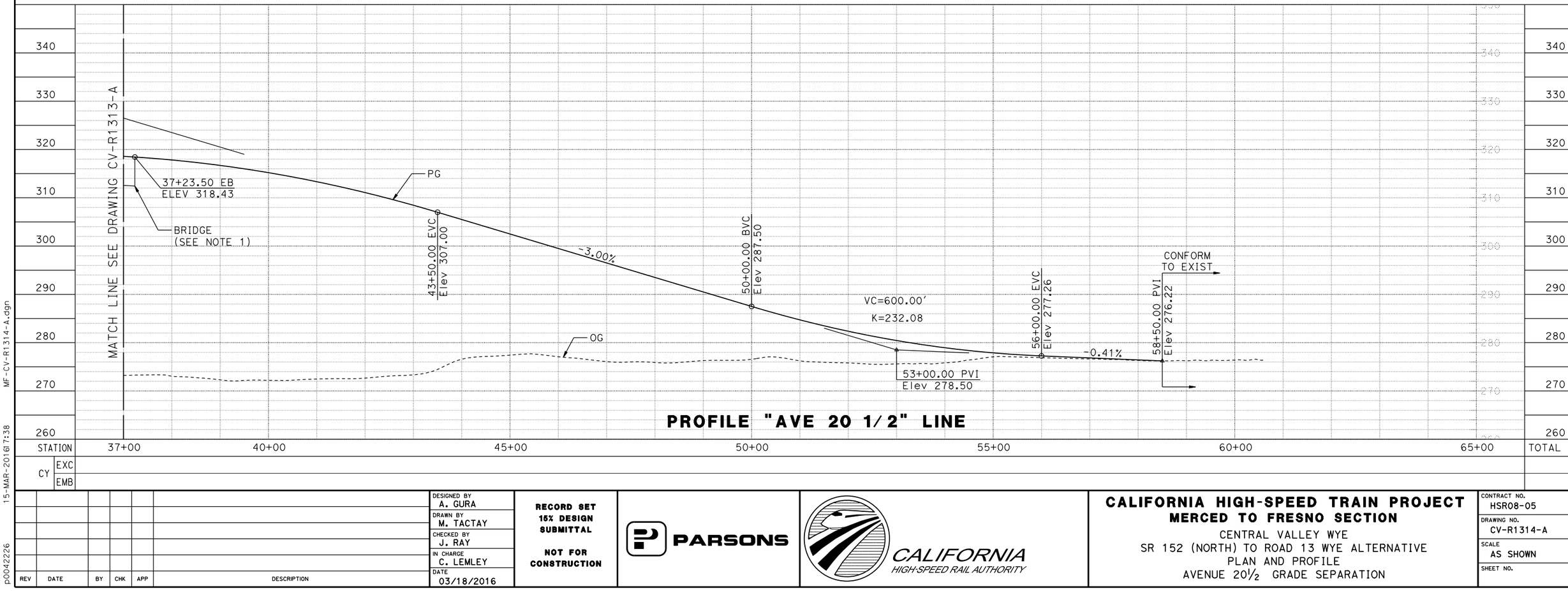
NOTES:

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

PLAN

10 0 10 20
VERT: 1"=10'

100 0 100 200
HORIZ: 1"=100'



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

PARSONS

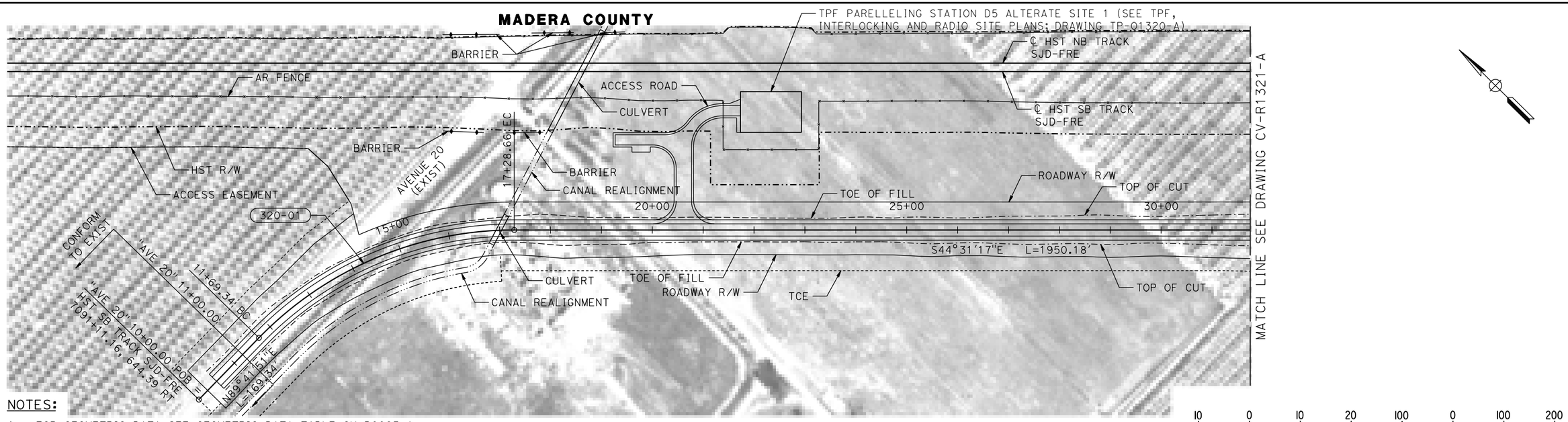
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1314-A.dgn
15-MAR-2016 7:38
p0042226



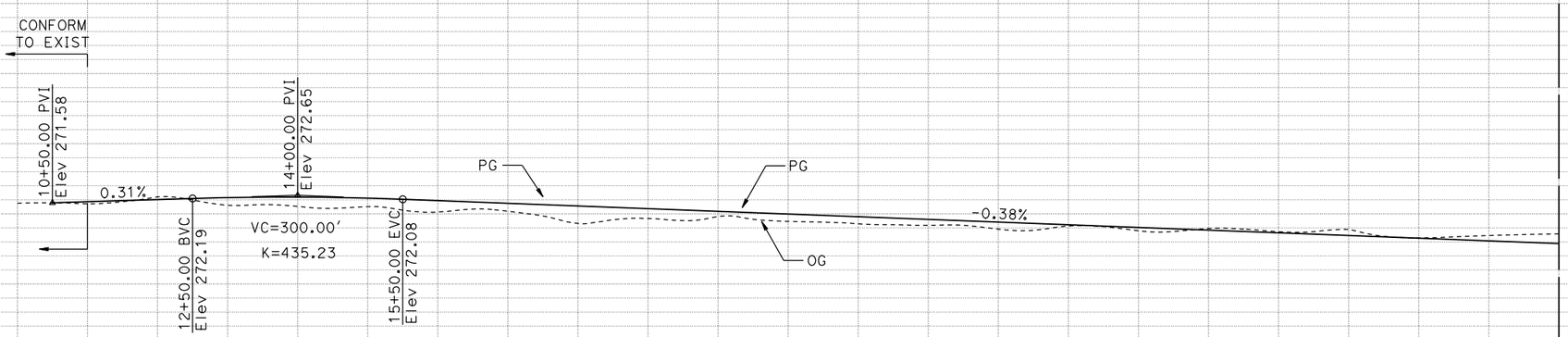
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "AVE 20" LINE

STATION	10+00	15+00	20+00	25+00	30+00	32+00	TOTAL
CY EXC							
CY EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

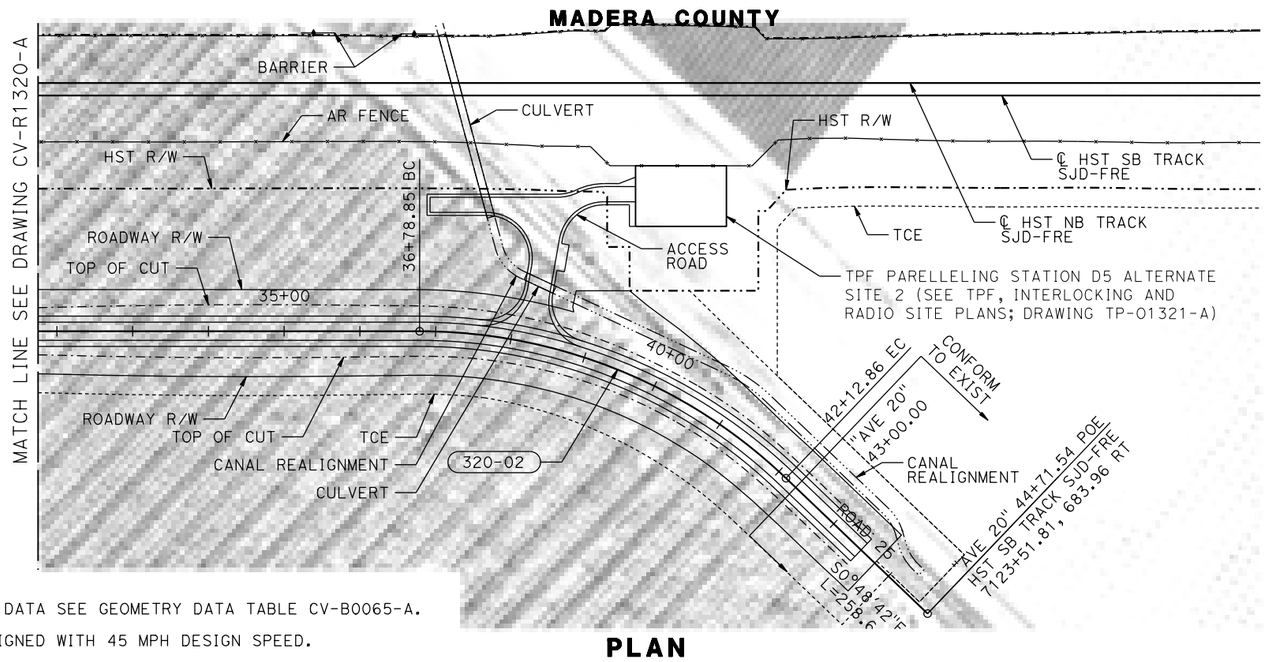
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1320-A.dgn
15-MAR-2016 7:38
p0042226



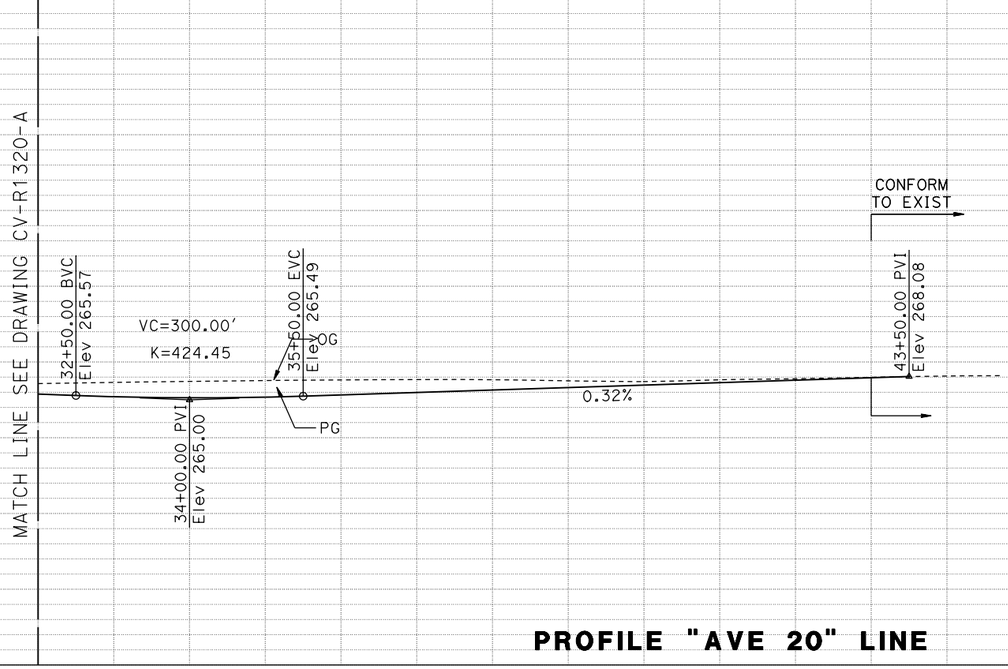
PLAN

NOTES:

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

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "AVE 20" LINE

STATION		32+00	35+00	40+00	45+00	TOTAL
CY	EXC					
	EMB					

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

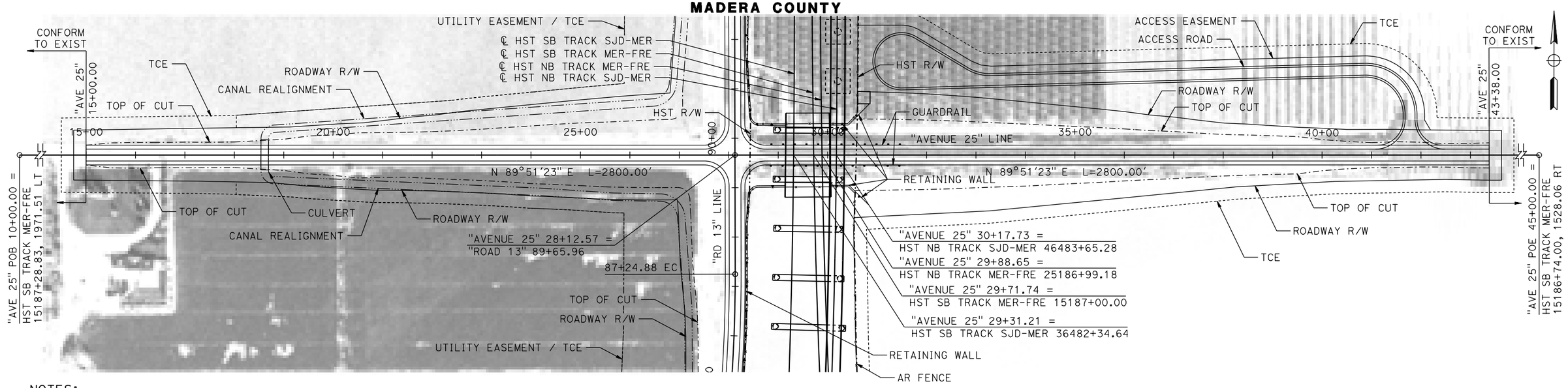
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1321-A.dgn
15-MAR-2016 7:39
p0042226

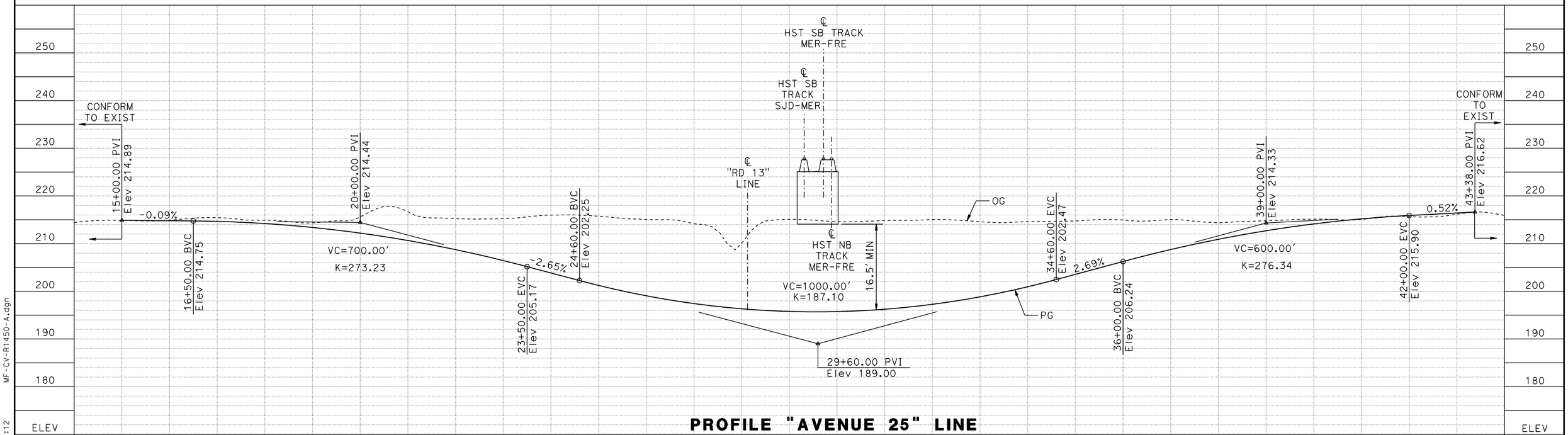


NOTES:

1. AVENUE 25 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "AVENUE 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

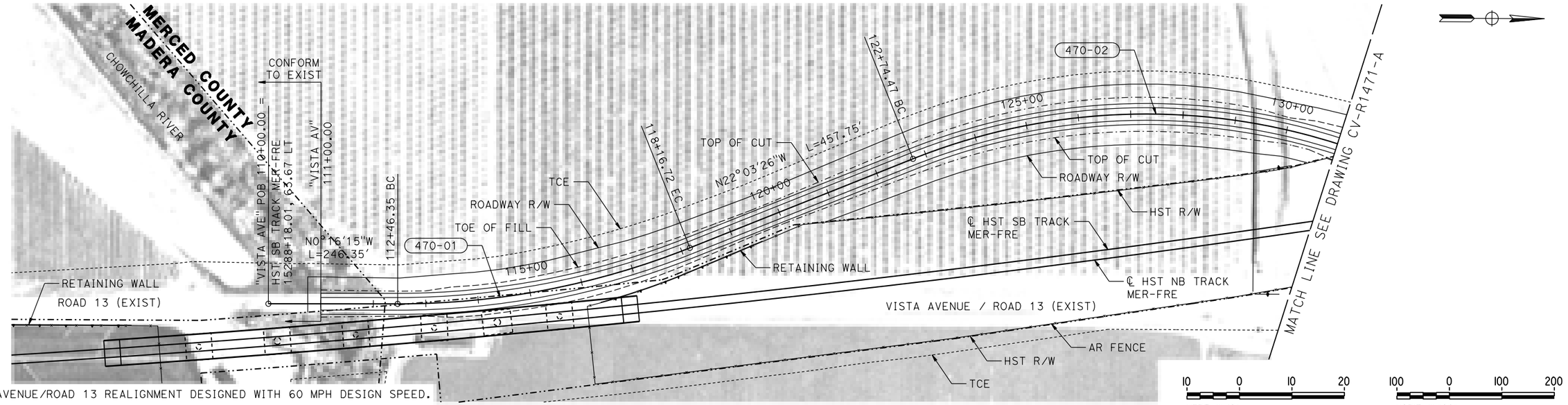
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 25 GRADE SEPARATION

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

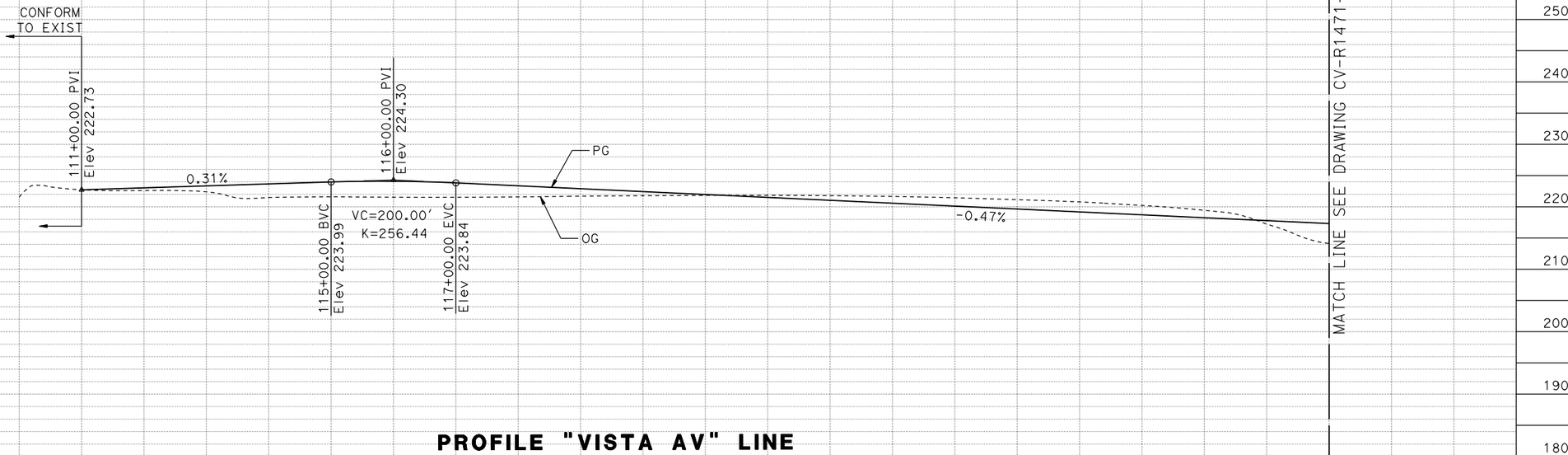
MF-CV-R1450-A.dgn
16-MAR-2016 07:12
p0042226



PLAN

NOTES:

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



PROFILE "VISTA AV" LINE

STATION		110+00	115+00	120+00	125+00	130+00	TOTAL
CY	EXC						
	EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

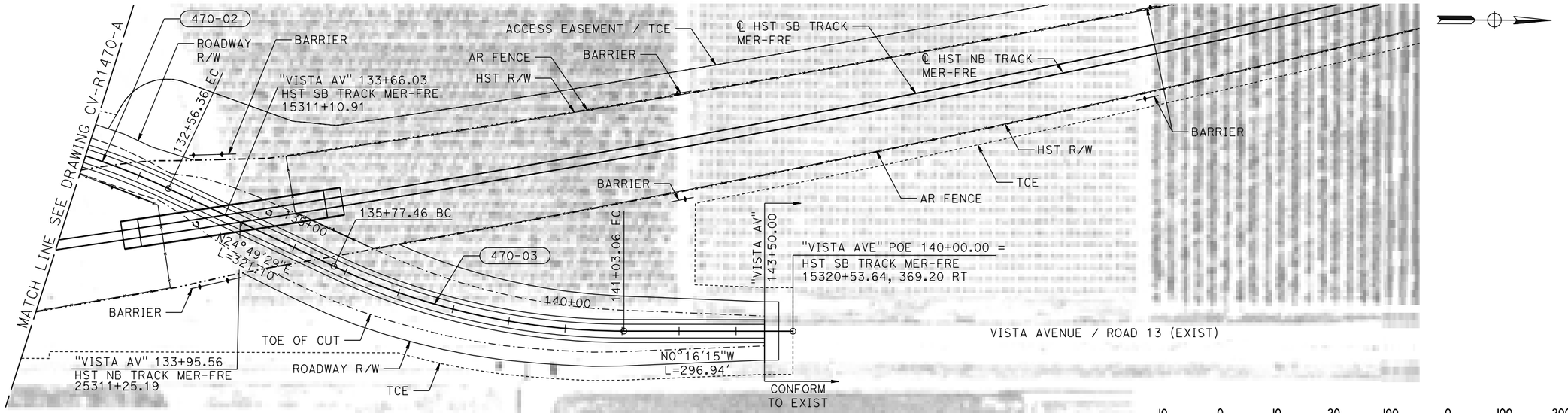
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1470-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1470-A.dgn
09-MAR-2016 4:12
p005133A

MERCED COUNTY

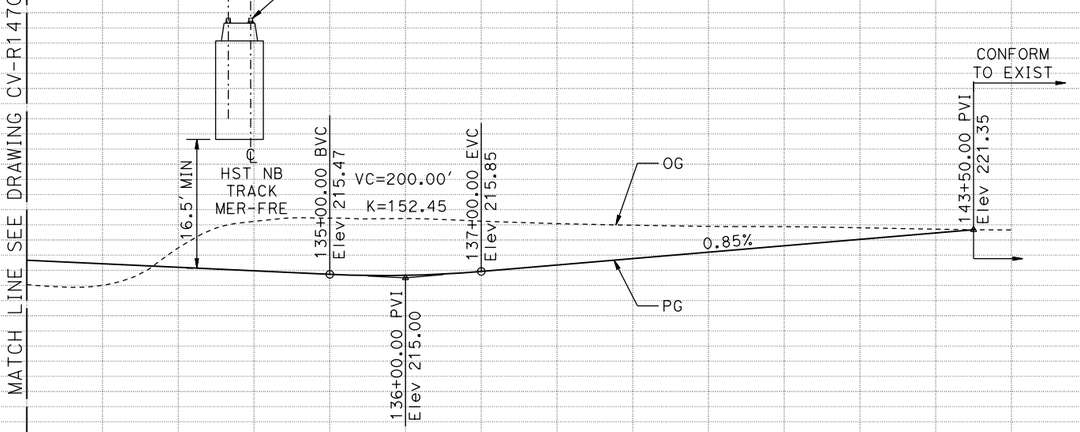


NOTES:

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

PLAN

VERT: 1"=10' HORIZ: 1"=100'



PROFILE "VISTA AV" LINE

STATION	130+00	135+00	140+00	145+00	150+00	TOTAL
CY EXC						
CY EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

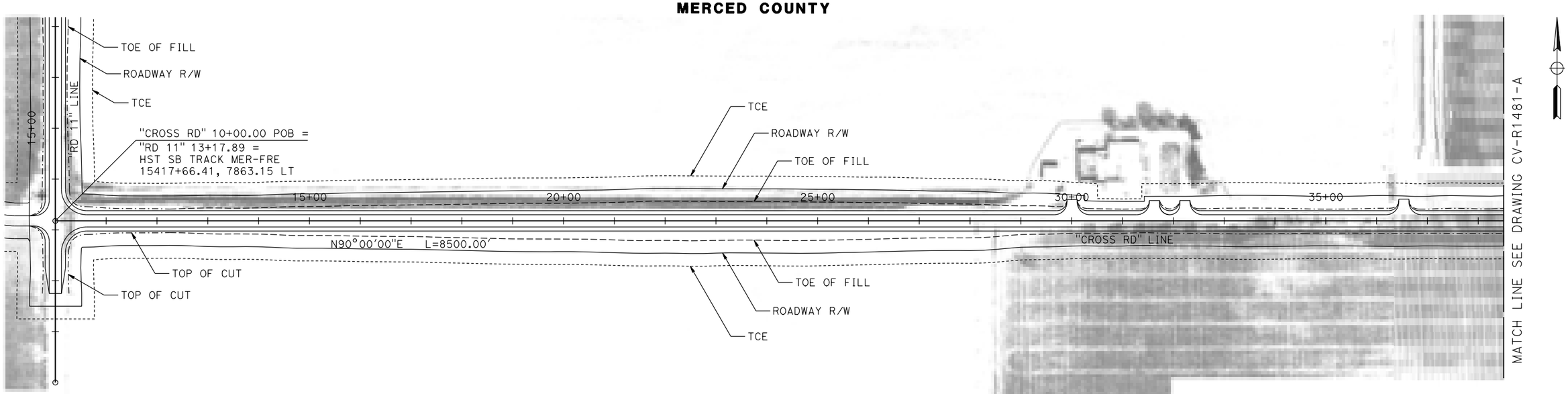
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1471-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1471-A.dgn
16-MAR-2016 3:22
p0042226

MERCED COUNTY



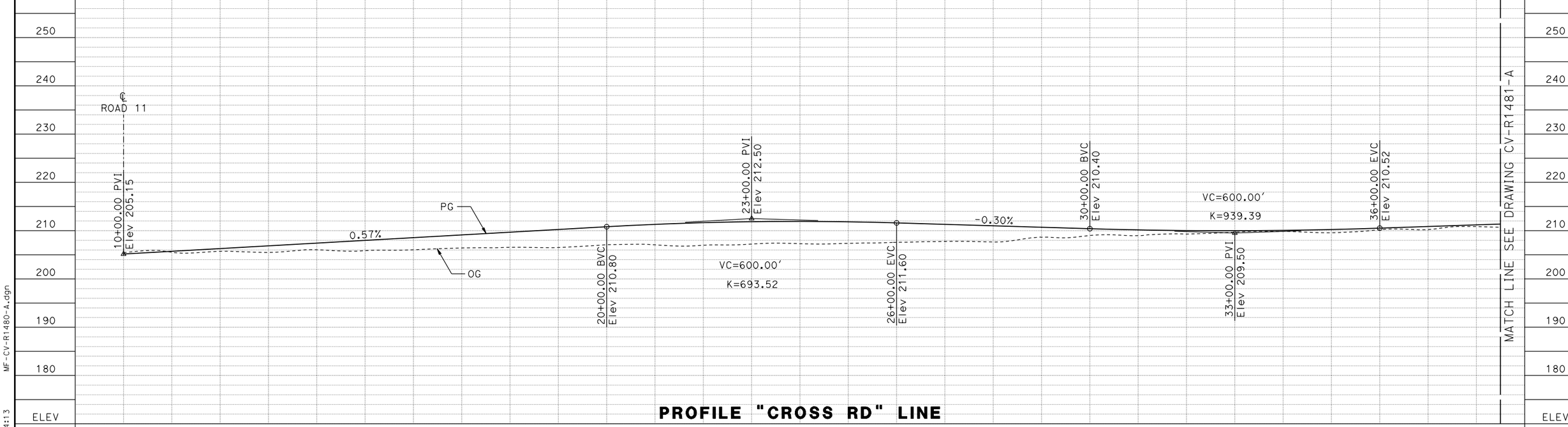
NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

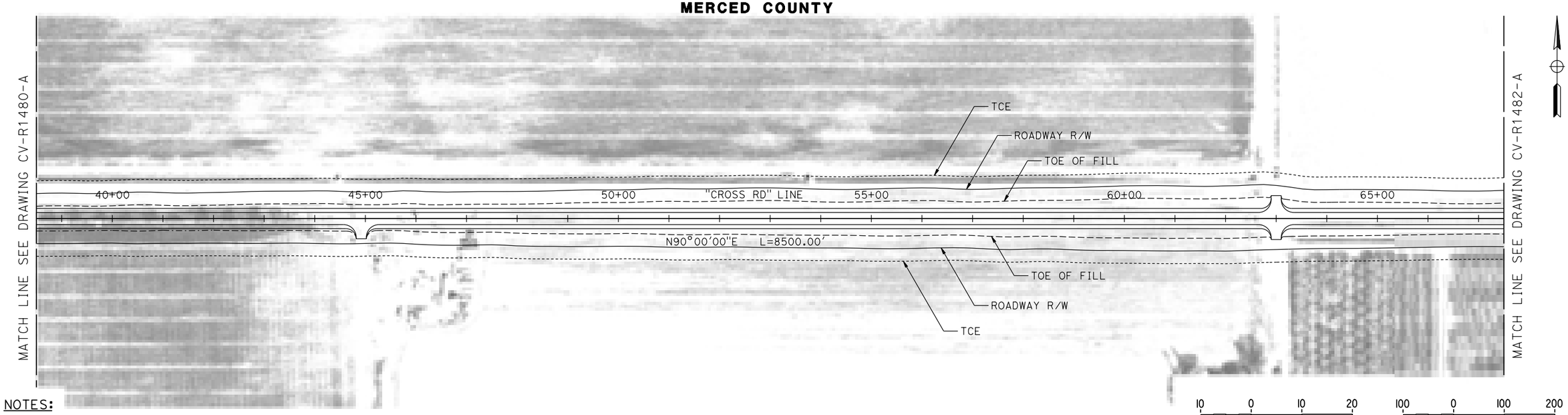
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1480-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1480-A.dgn
09-MAR-2016 4:13
p0051133A

MERCED COUNTY



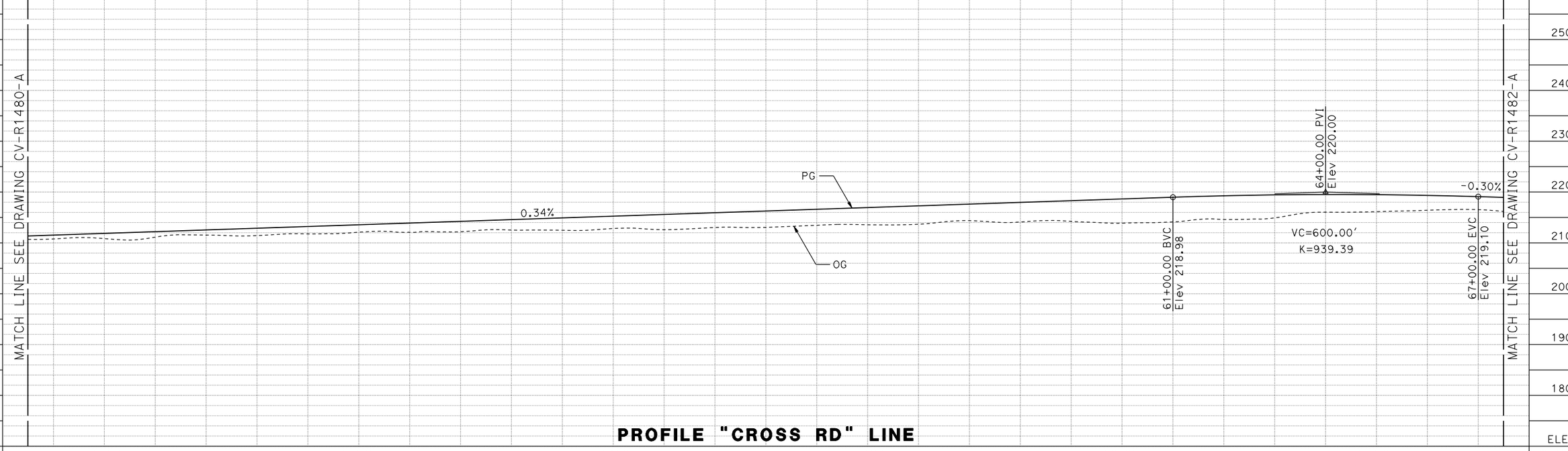
NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



PROFILE "CROSS RD" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

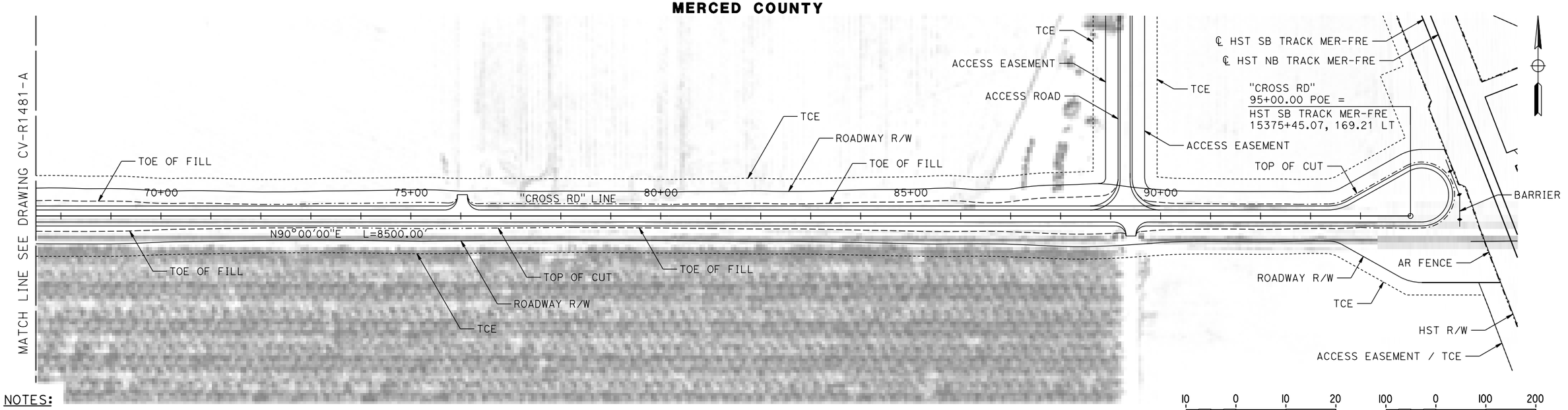
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1481-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1481-A.dgn
09-MAR-2016 4:13
p005133A

MERCED COUNTY



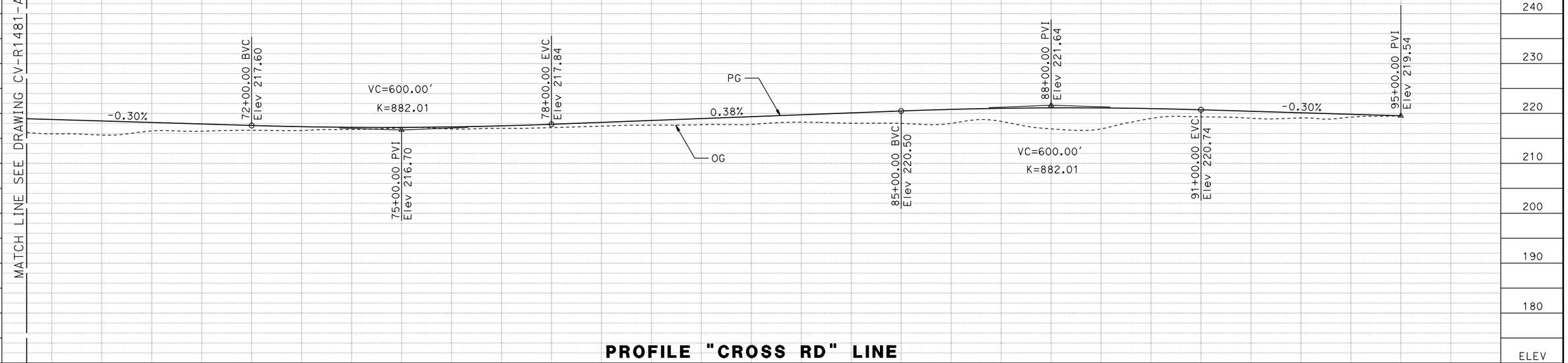
NOTES:

1. CROSS ROAD DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "CROSS RD" LINE

STATION		70+00	75+00	80+00	85+00	90+00	95+00	TOTAL
CY	EXC							
	EMB							

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

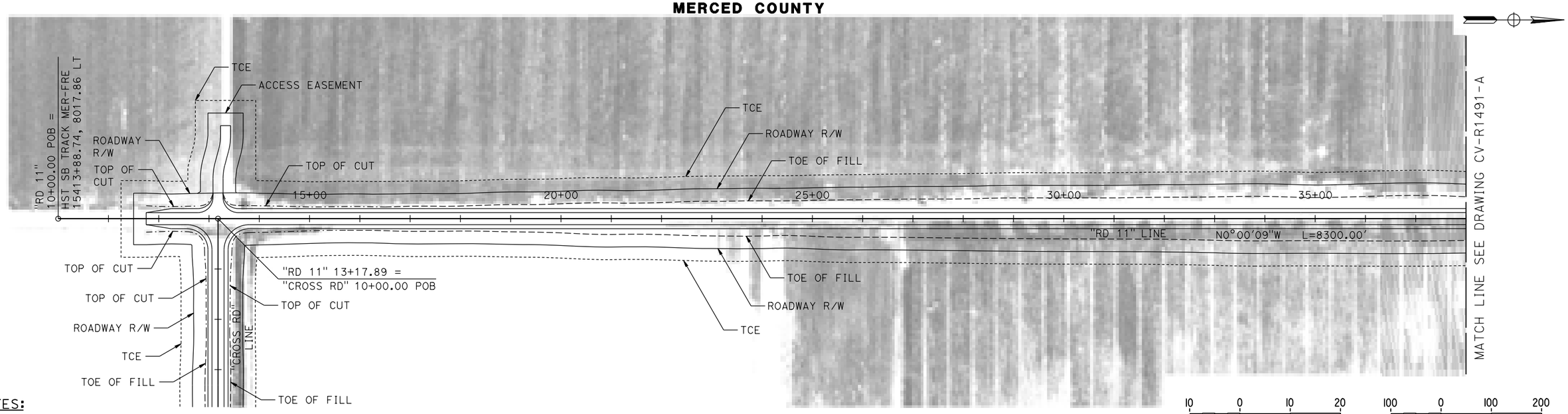
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1482-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1482-A.dgn
16-MAR-2016 3:23
p0042226

MERCED COUNTY



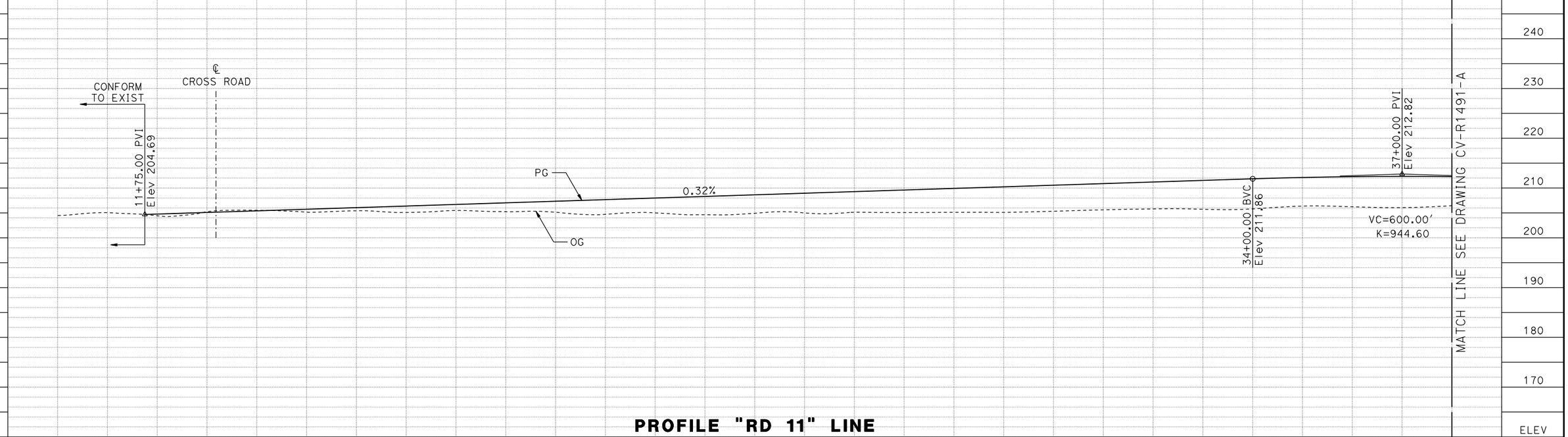
NOTES:

1. ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

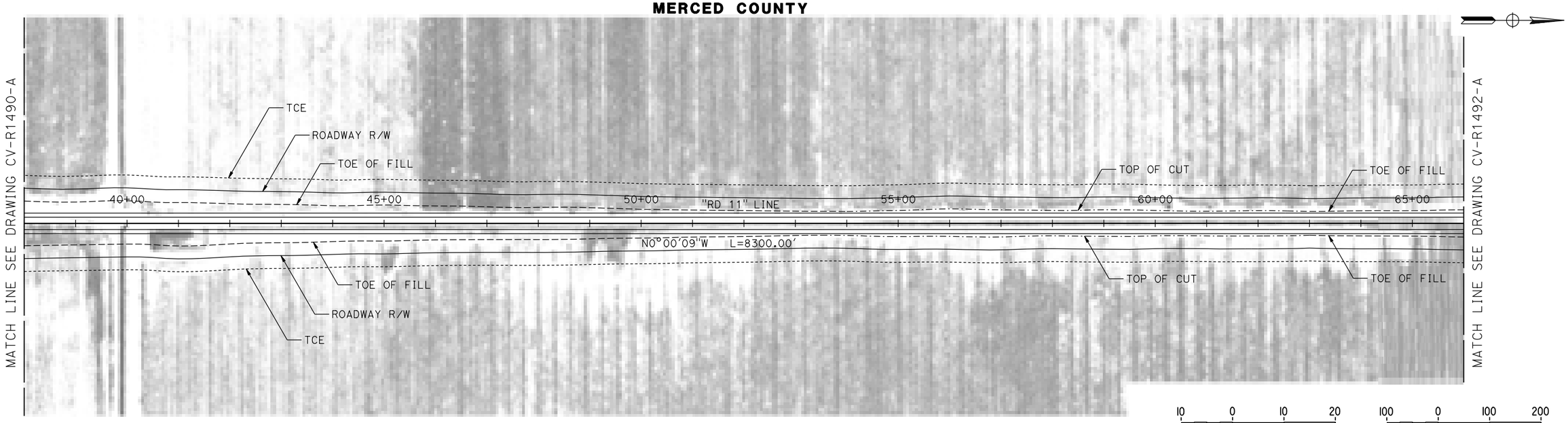
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1490-A.dgn
09-MAR-2016 14:14
p0051133A

MERCED COUNTY



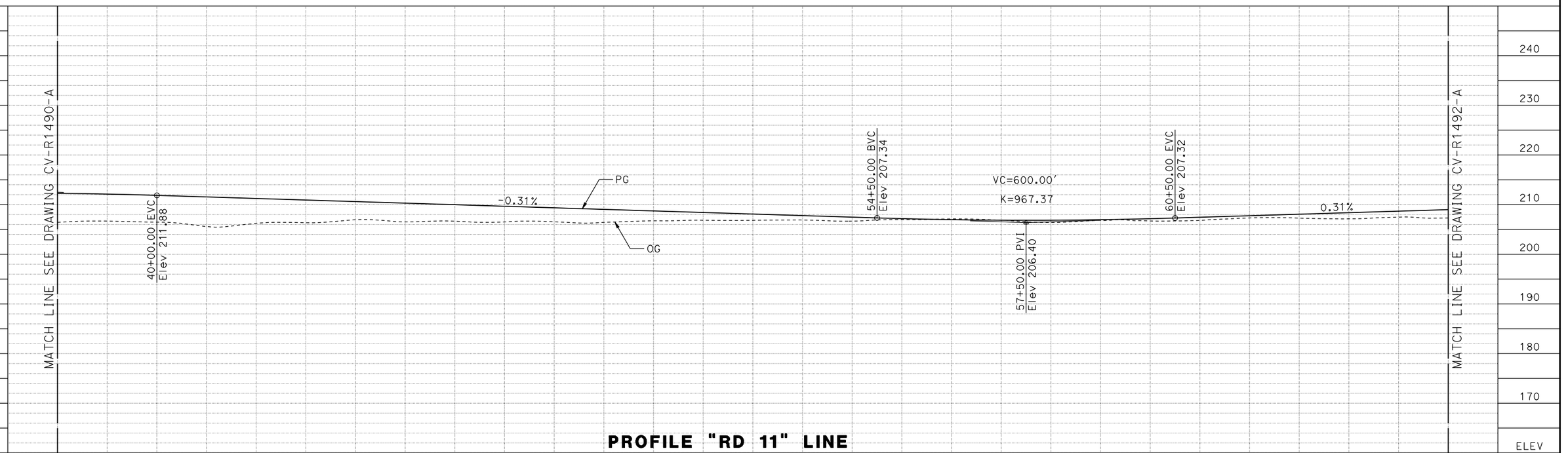
NOTES:

1. ROAD 11 DESIGNED WITH 60 MPH DESIGN SPEED.

PLAN

10 0 10 20 — VERT: 1"=10'

100 0 100 200 — HORIZ: 1"=100'



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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

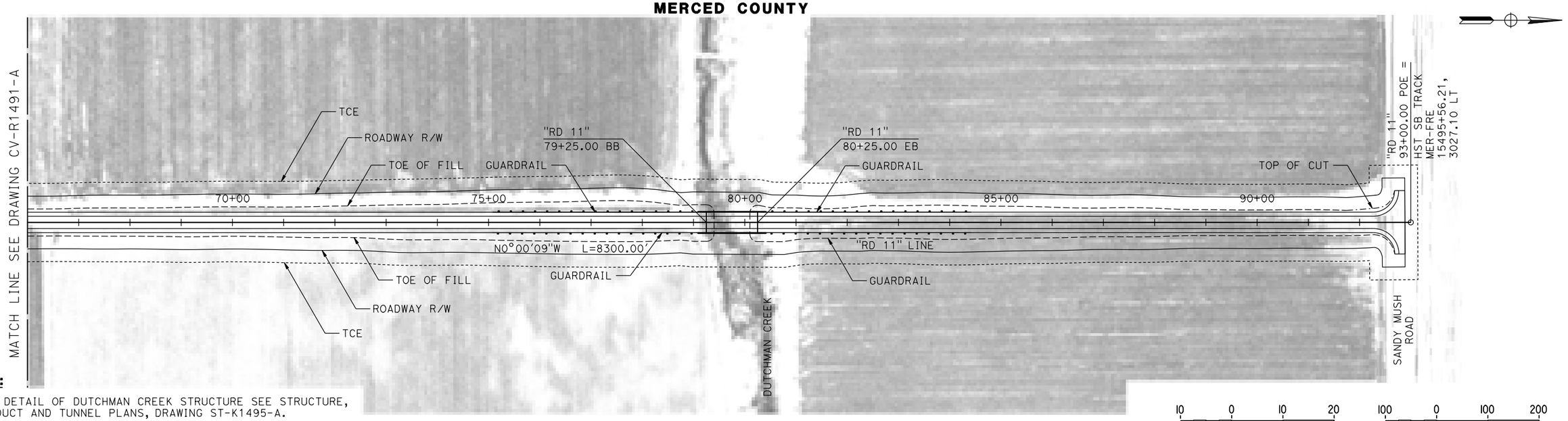
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1491-A.dgn
09-MAR-2016 4:15
p0051133A

MERCED COUNTY



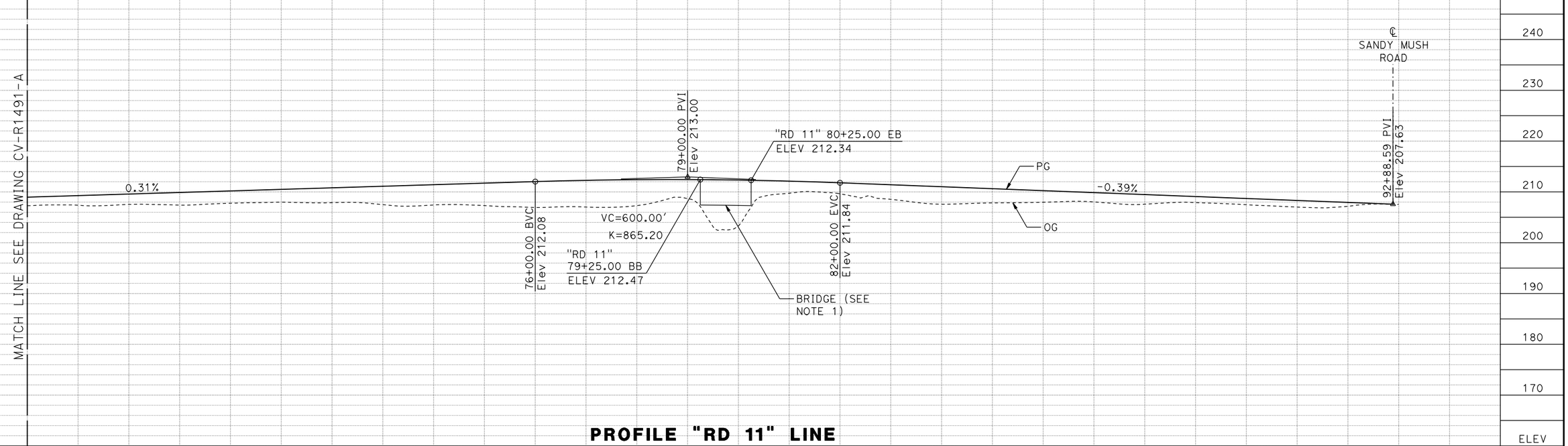
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 11" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

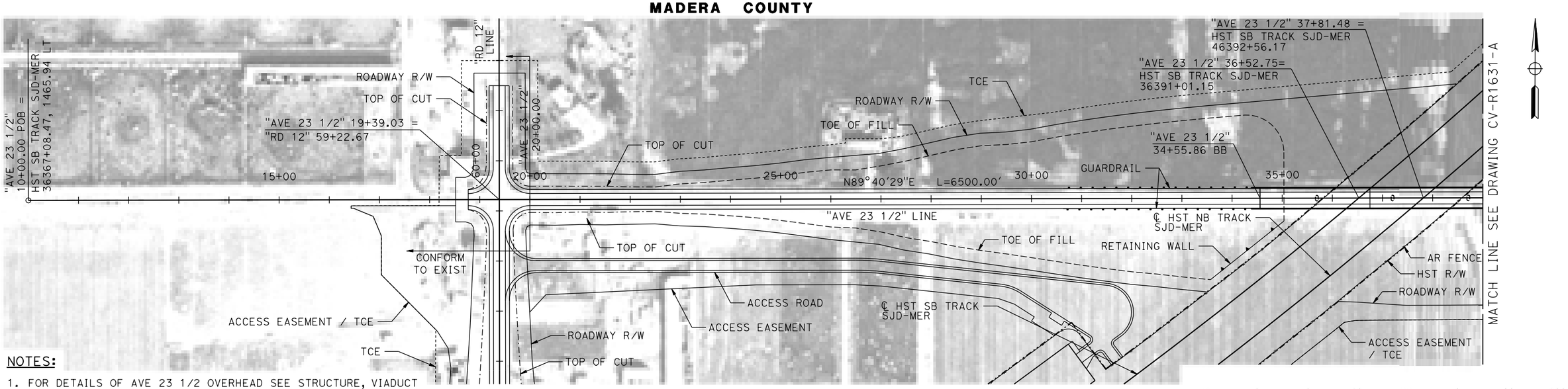
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1492-A.dgn
09-MAR-2016 4:15
p005133A

MADERA COUNTY



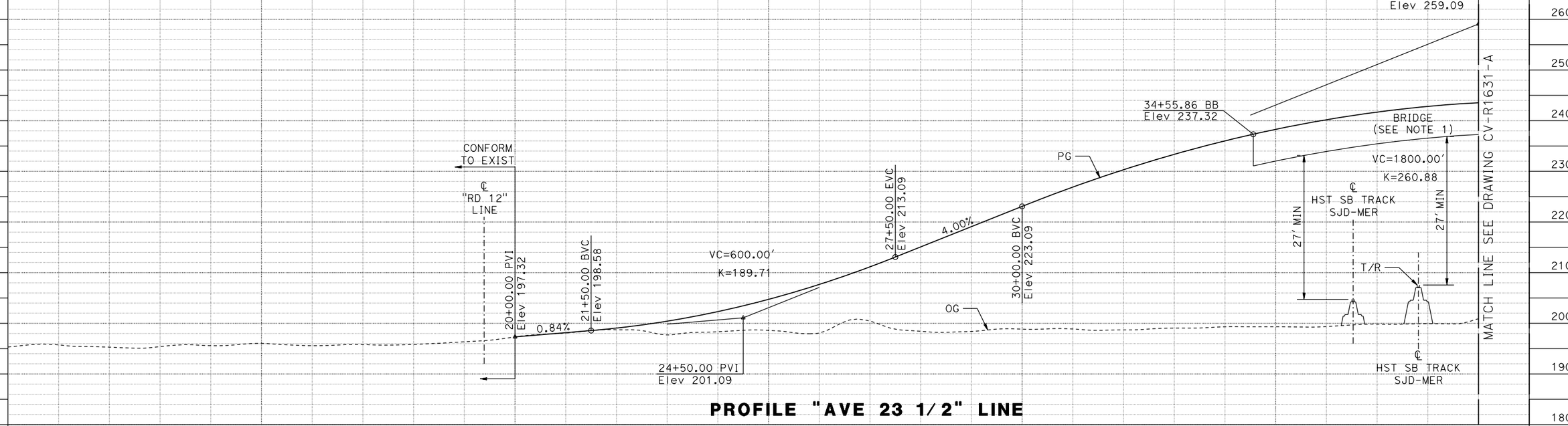
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "AVE 23 1/2" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

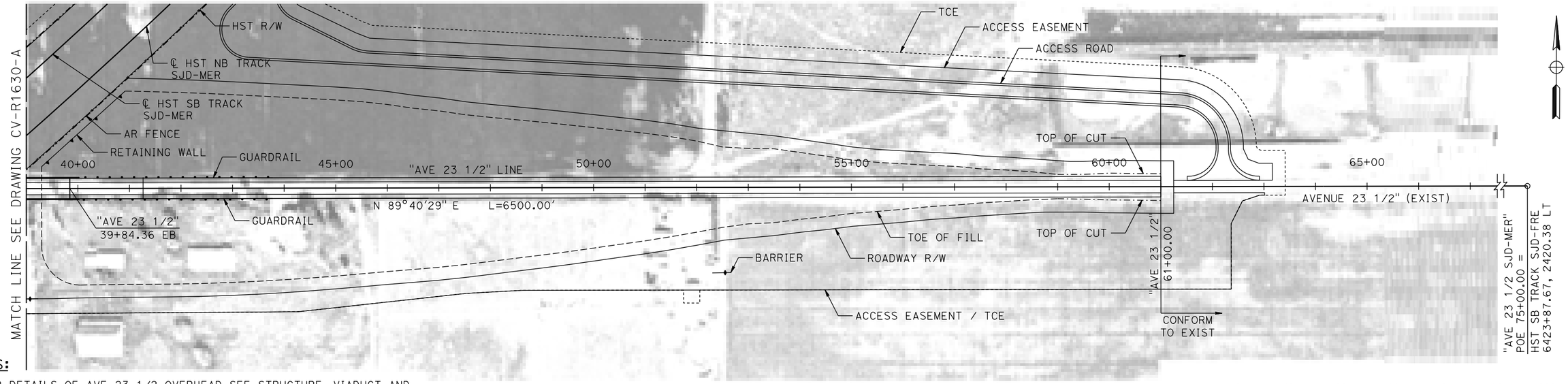
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 23½ GRADE SEPARATION

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

MF-CV-R1630-A.dgn
16-MAR-2016 3:23
p0042226

MADERA COUNTY

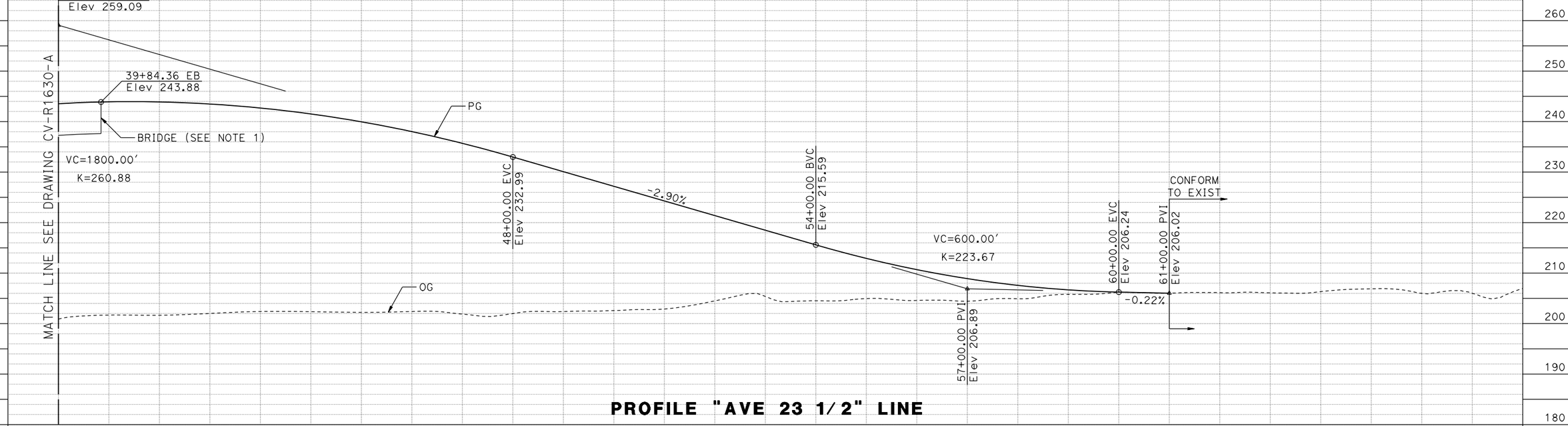


NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20) HORIZ: 1"=100' (100 0 100 200)



PROFILE "AVE 23 1/2" LINE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

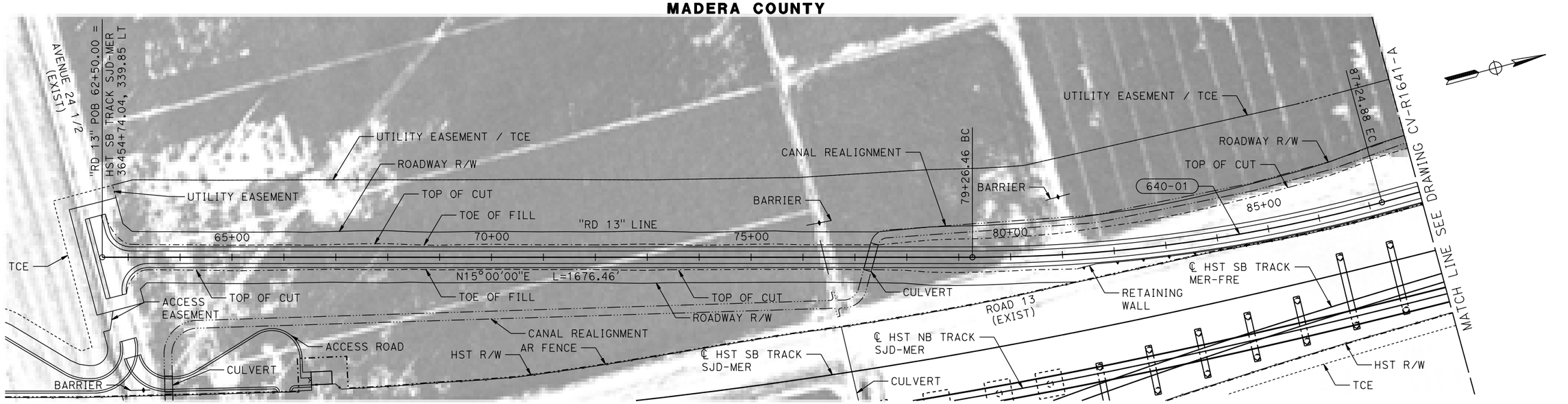
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
PLAN AND PROFILE
AVENUE 23½ GRADE SEPARATION

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

MF-CV-R1631-A.dgn
09-MAR-2016 4:16
p0051133A

MADERA COUNTY



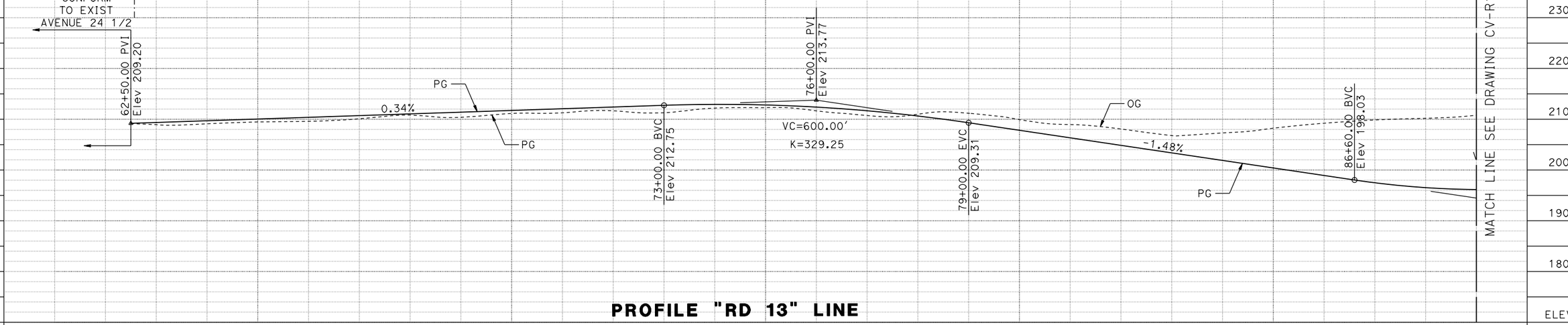
NOTES:

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

PLAN

VERT: 1"=10' (10 0 10 20)

HORIZ: 1"=100' (100 0 100 200)



PROFILE "RD 13" LINE

STATION	65+00	70+00	75+00	80+00	85+00	TOTAL
CY EXC						
CY EMB						

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

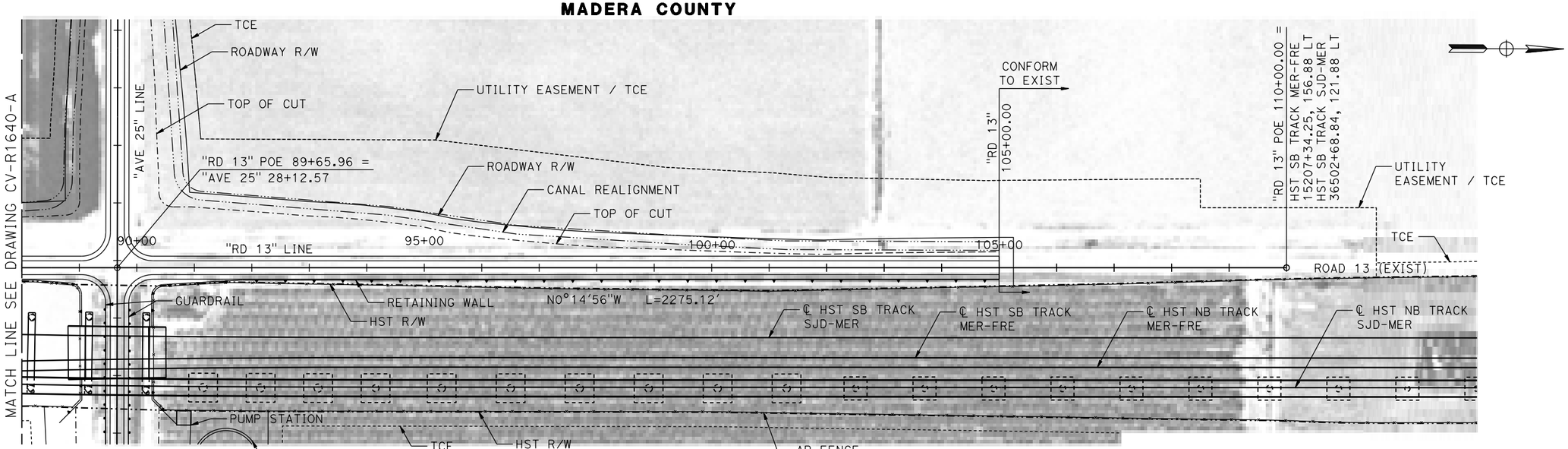
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-CV-R1640-A.dgn
16-MAR-2016 7:16
p0042226

MADERA COUNTY



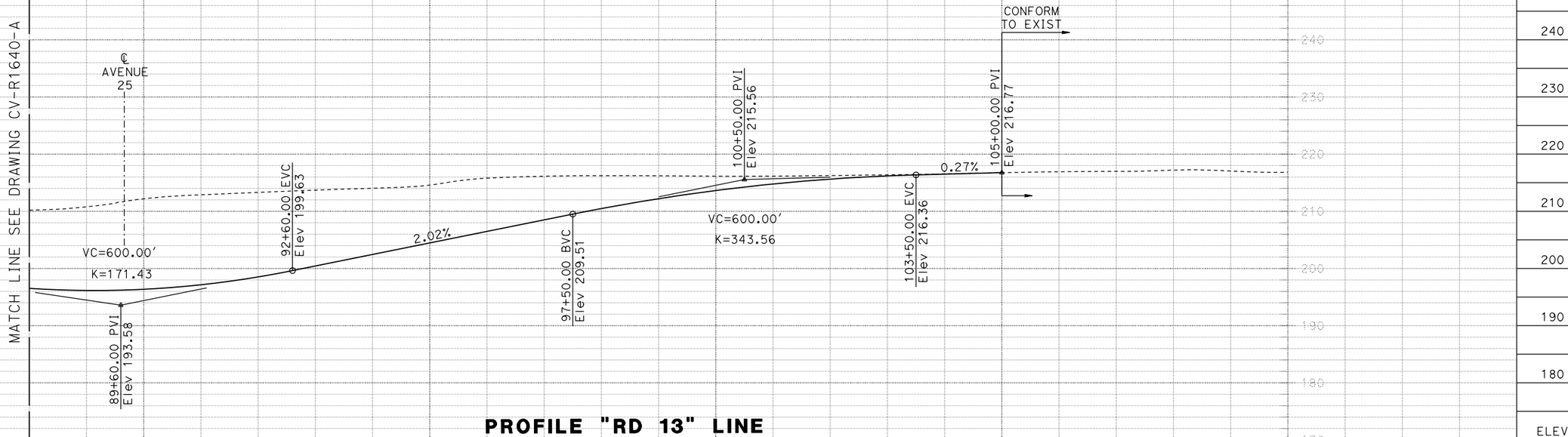
PLAN

VERT: 1"=10'

HORIZ: 1"=100'

NOTES:

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



PROFILE "RD 13" 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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-R1641-A
SCALE AS SHOWN
SHEET NO.

MF-CV-R1641-A.dgn
16-MAR-2016 07:16
p0042226

CONSTRUCTION STAGING

INDIANA ROAD DETOUR:

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

SR 59 DETOUR:

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

ROAD 4 / LINCOLN ROAD DETOUR:

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

ROAD 9 / HEMLOCK ROAD DETOUR:

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

ROAD 12 DETOUR:

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

SR 152 AT ROAD 12 DETOUR:

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

SR 233 / ROBERTSON BOULEVARD DETOUR:

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

ROAD 16 DETOUR:

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

ROAD 17 1/2 DETOUR:

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

ROAD 20 DETOUR:

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

ROAD 22 DETOUR:

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

ROAD 24 AND AVENUE 20 1/2 DETOUR:

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

AVENUE 23 1/2 DETOUR:

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

ROAD 13 DETOUR

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

AVENUE 25 DETOUR:

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

CUT-AND-COVER TUNNEL AT SANDY MUSH STAGING:

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

MF-CV-I0001-A.dgn
09-MAR-2016 12:18
p0051133A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

PARSONS

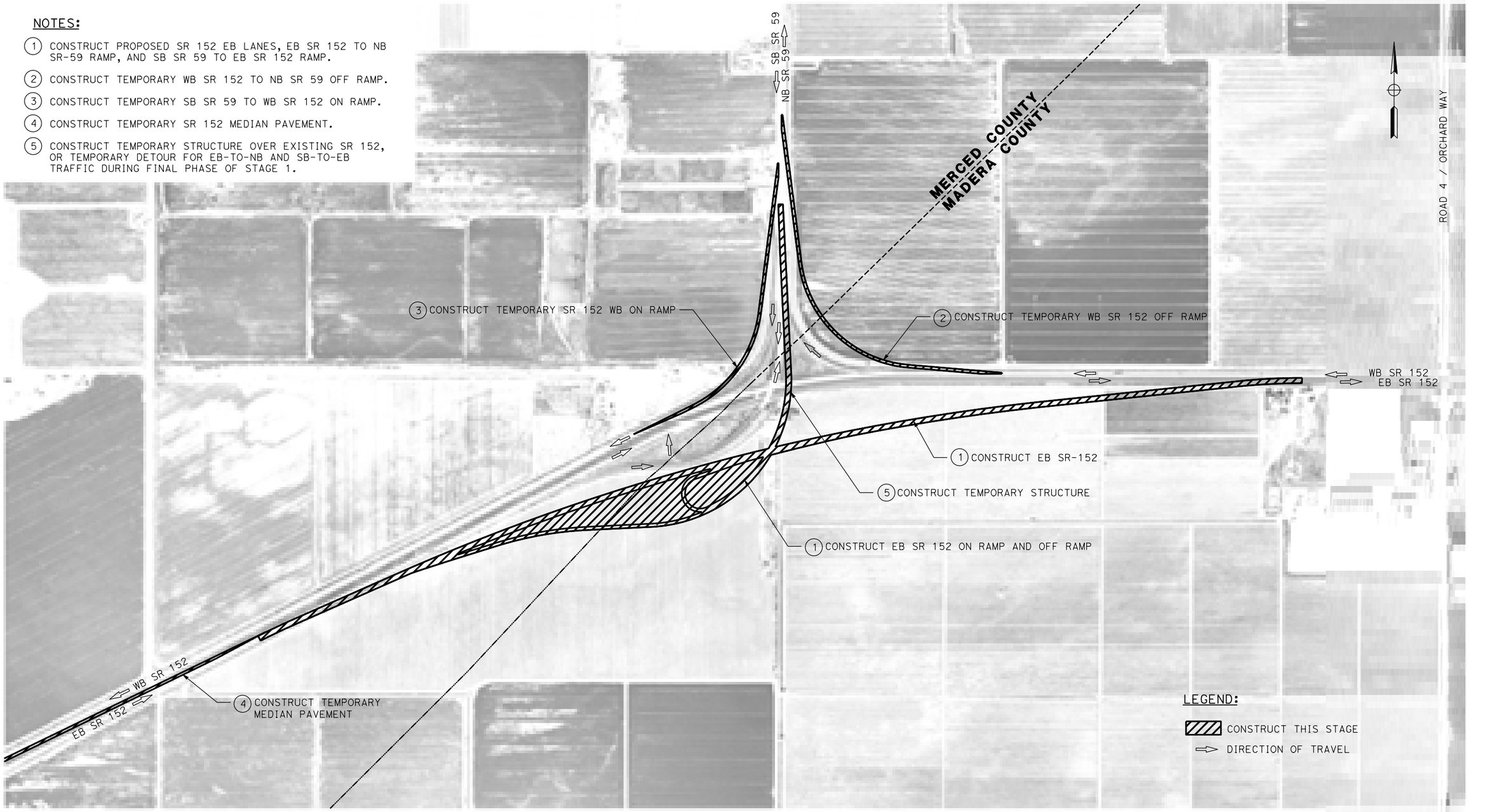
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

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

NOTES:

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



PLAN

400 0 400 800
1"=400'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

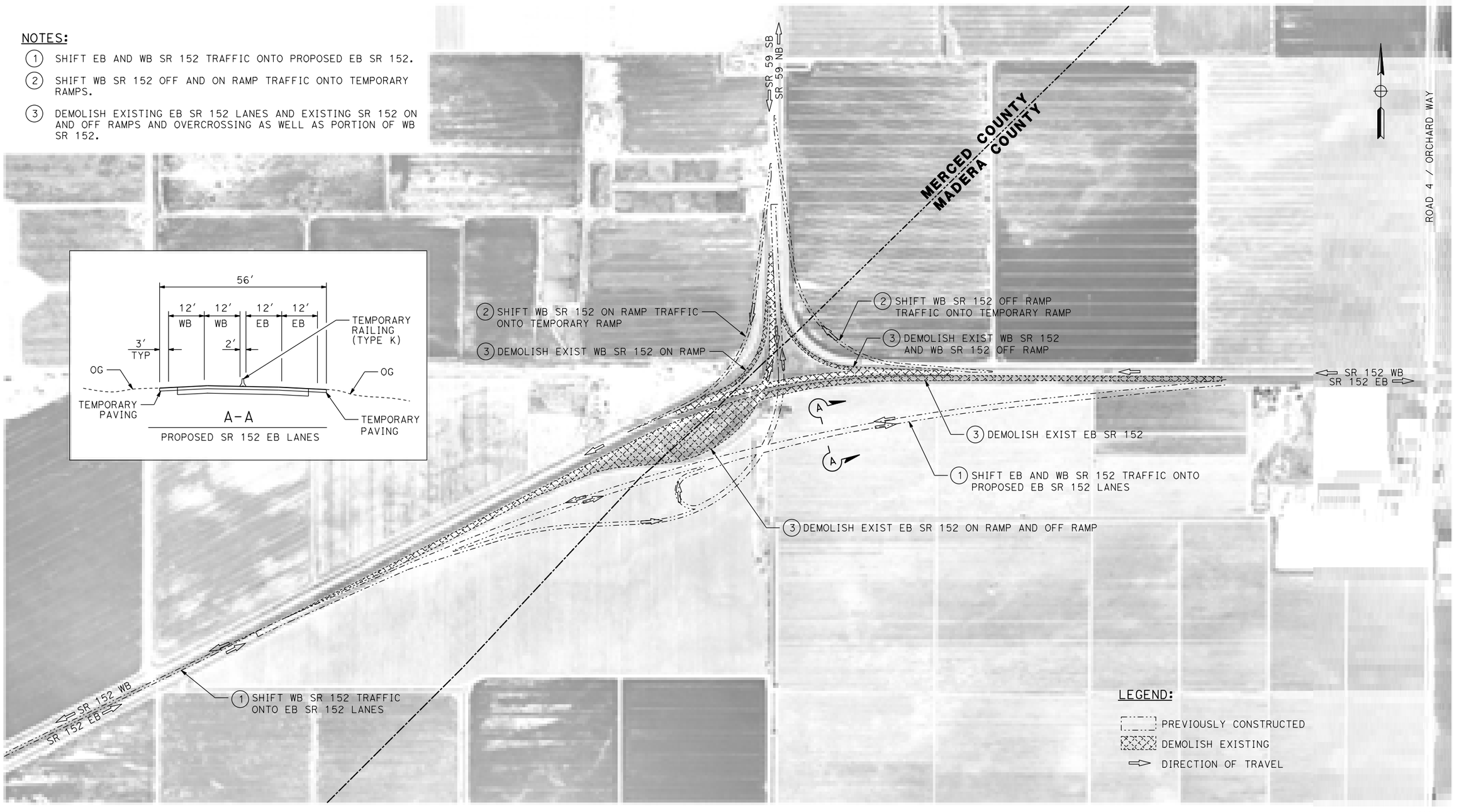
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 1 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4100-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:19 MF-CV-I4100-A.dgn p005133A

NOTES:

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



PLAN

400 0 400 800
1"=400′

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

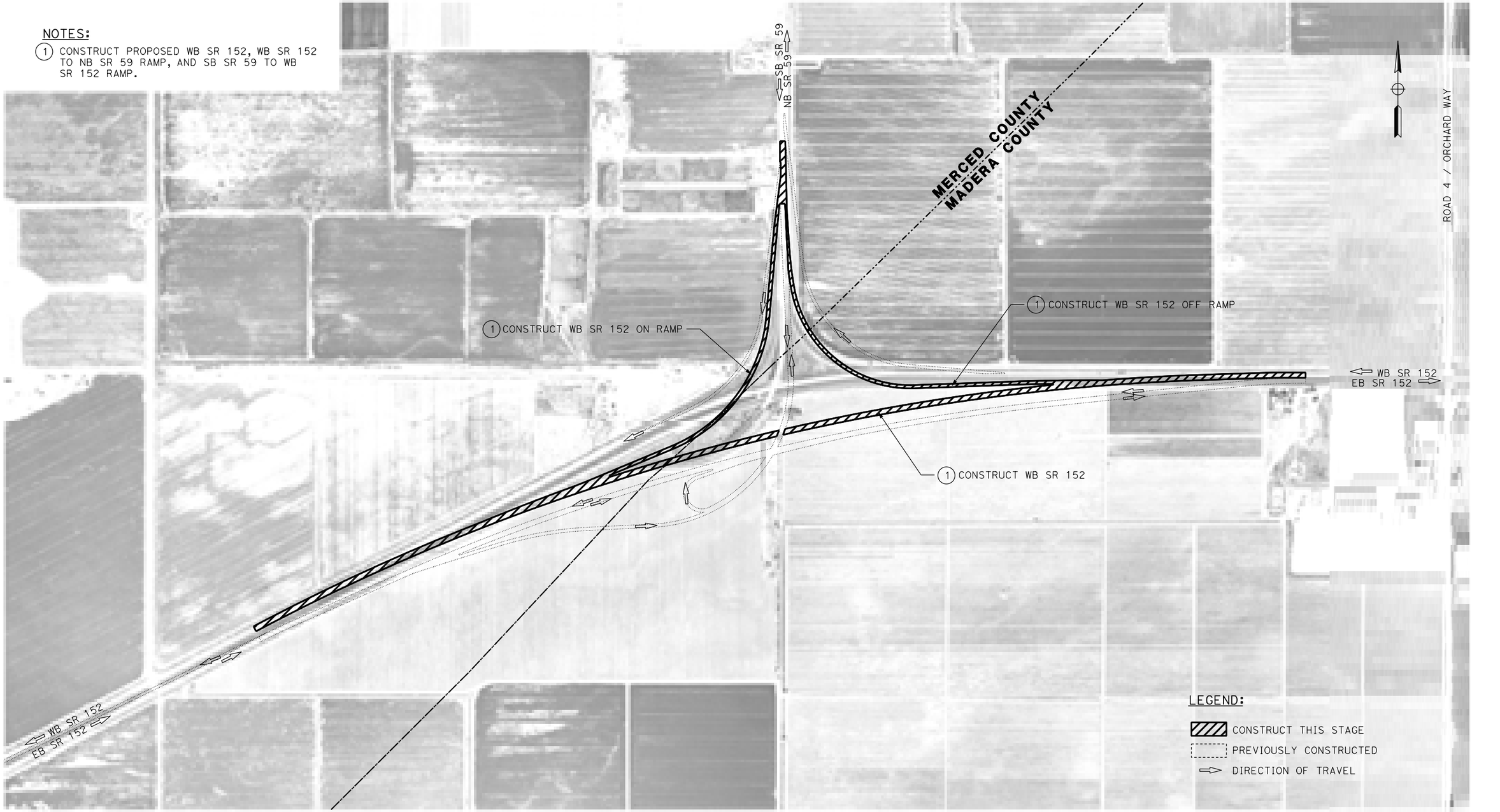
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4101-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016|2:20 MF-CV-I4101-A.dgn p0051133A

NOTES:

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



PLAN

400 0 400 800
1"=400'

09-MAR-2016 12:20 MF-CV-I4102-A.dgn

p0051334

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

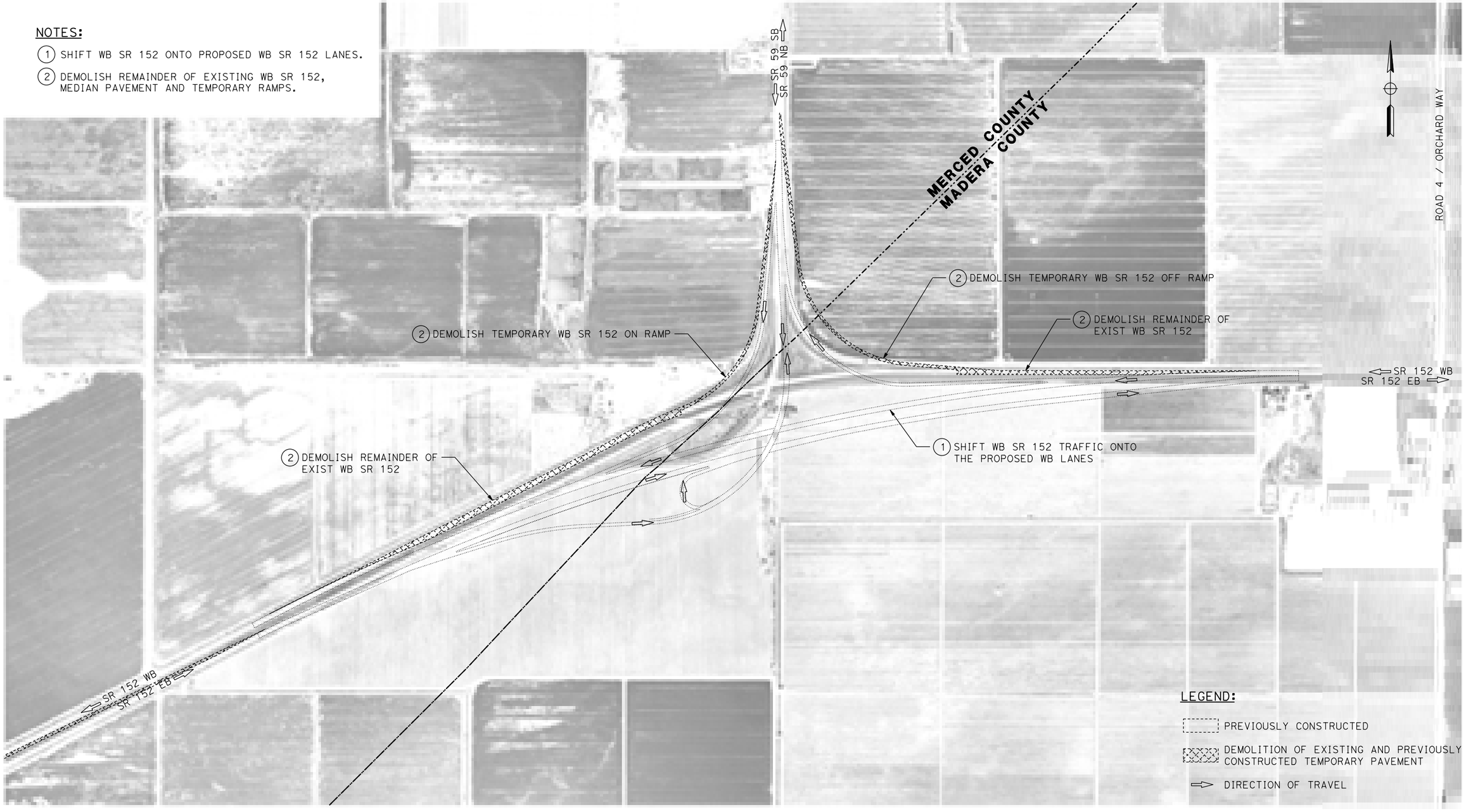
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4102-A
SCALE AS SHOWN
SHEET NO.

NOTES:

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



LEGEND:

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

400 0 400 800
1"=400'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

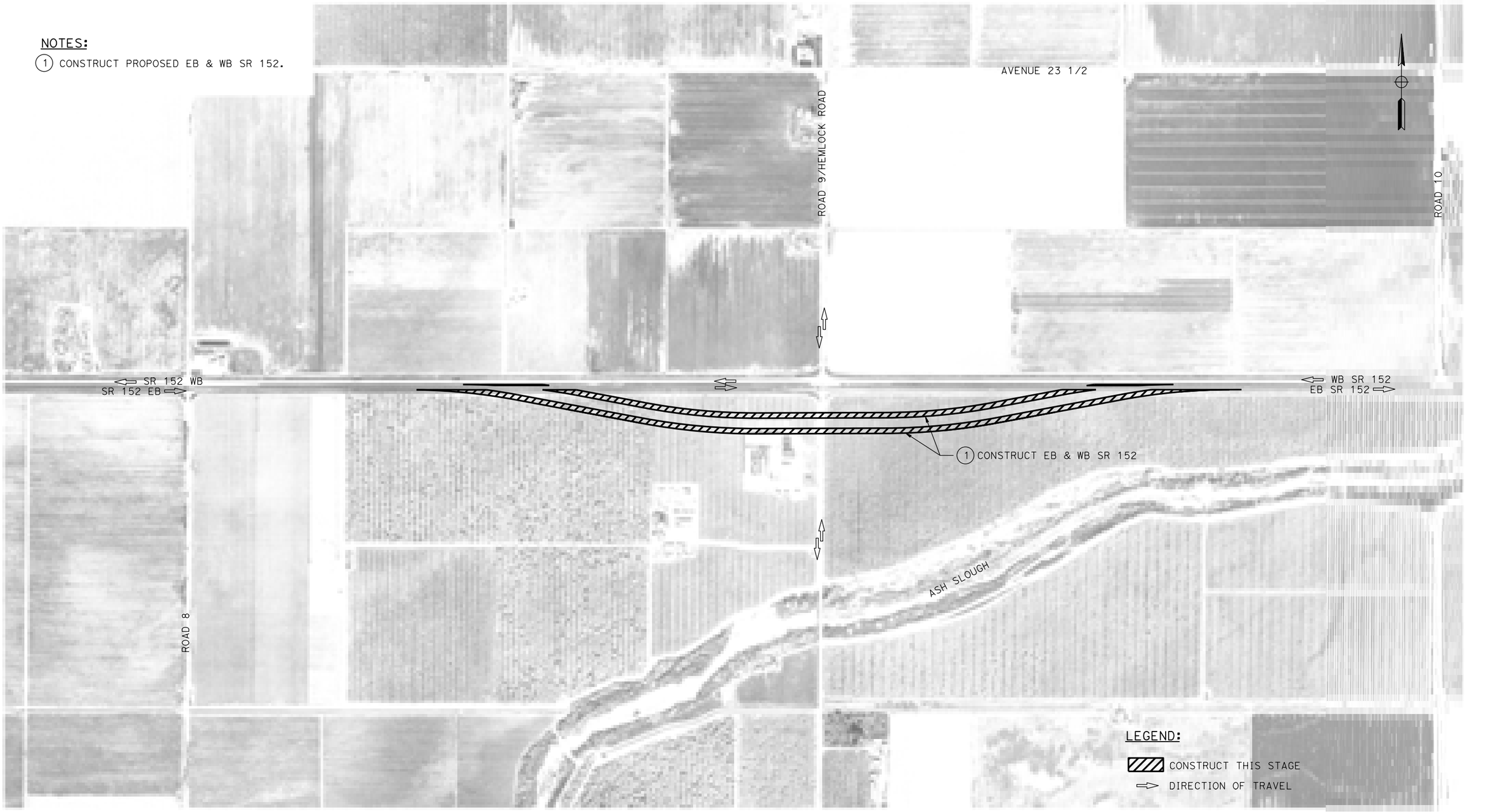
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 59/SR 152 STAGE 4 OF 4

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

09-MAR-2016|2:21 MF-CV-I4103-A.dgn p005133A

NOTES:

(1) CONSTRUCT PROPOSED EB & WB SR 152.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

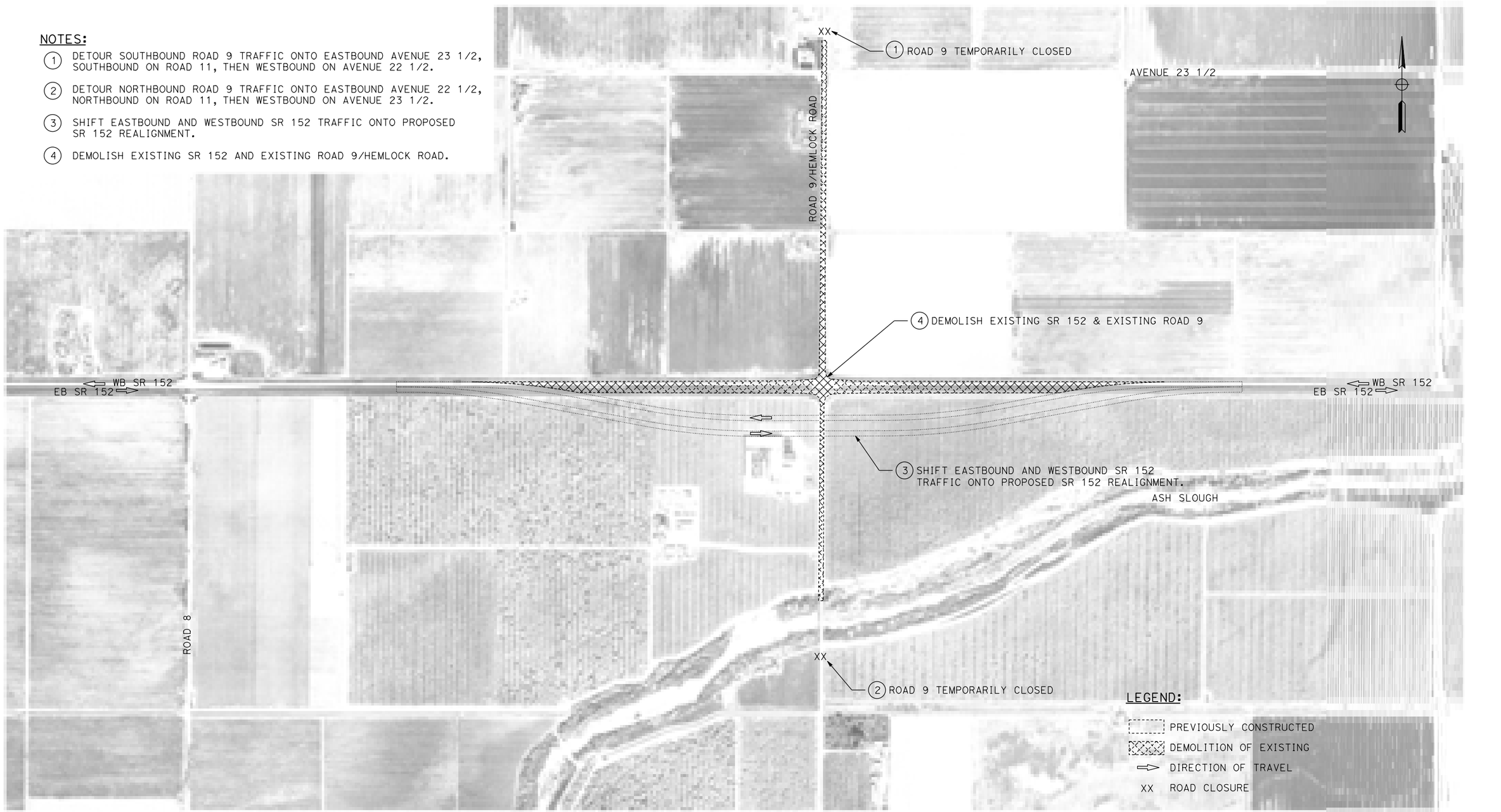
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 1 OF 4

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

09-MAR-2016 2:21 MF-CV-I4160-A.dgn p0051133A

NOTES:

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

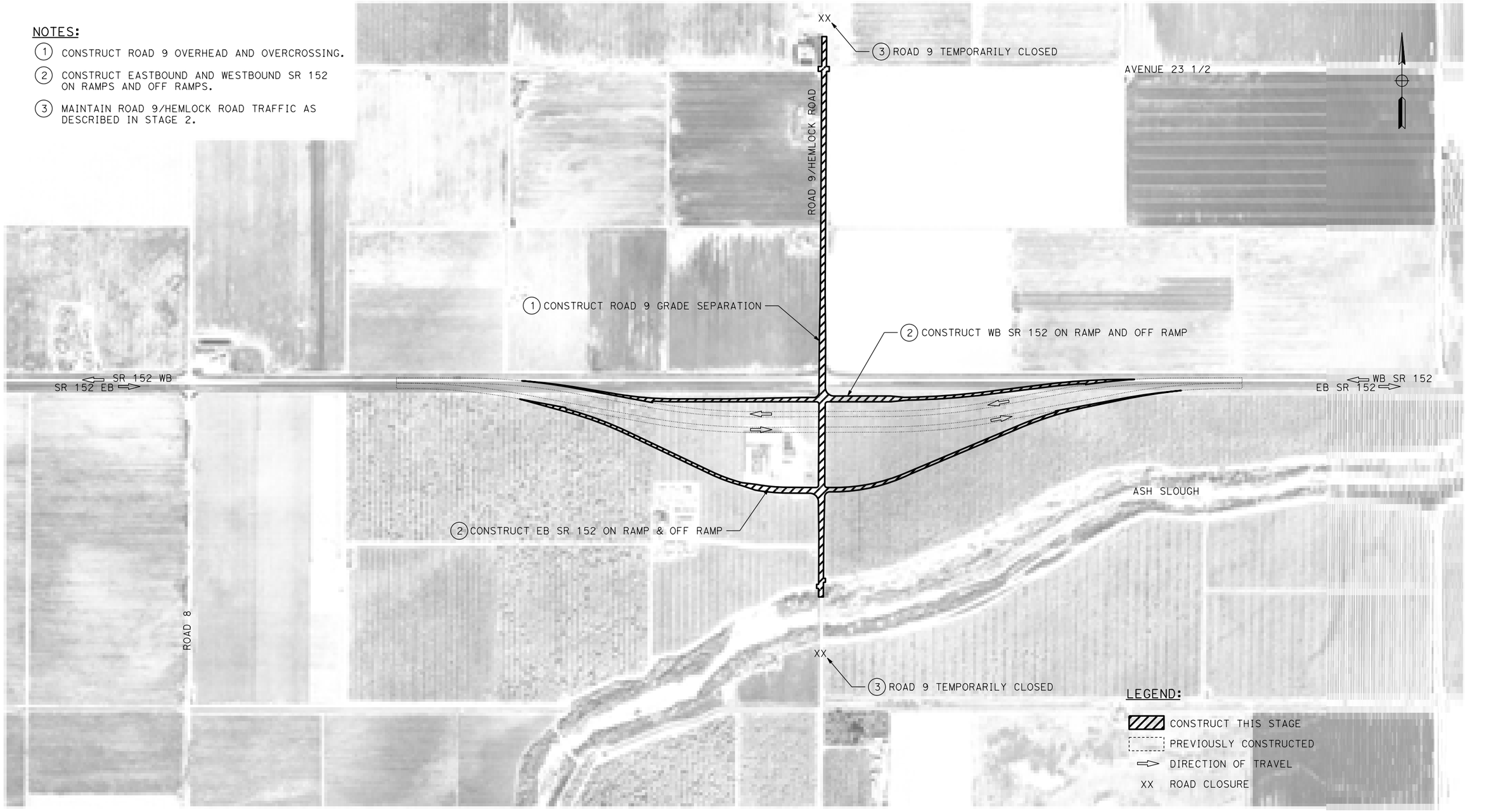
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4161-A
SCALE AS SHOWN
SHEET NO.

MF-CV-I4161-A.dgn
09-MAR-2016 12:23
p005133A

NOTES:

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



PLAN

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

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

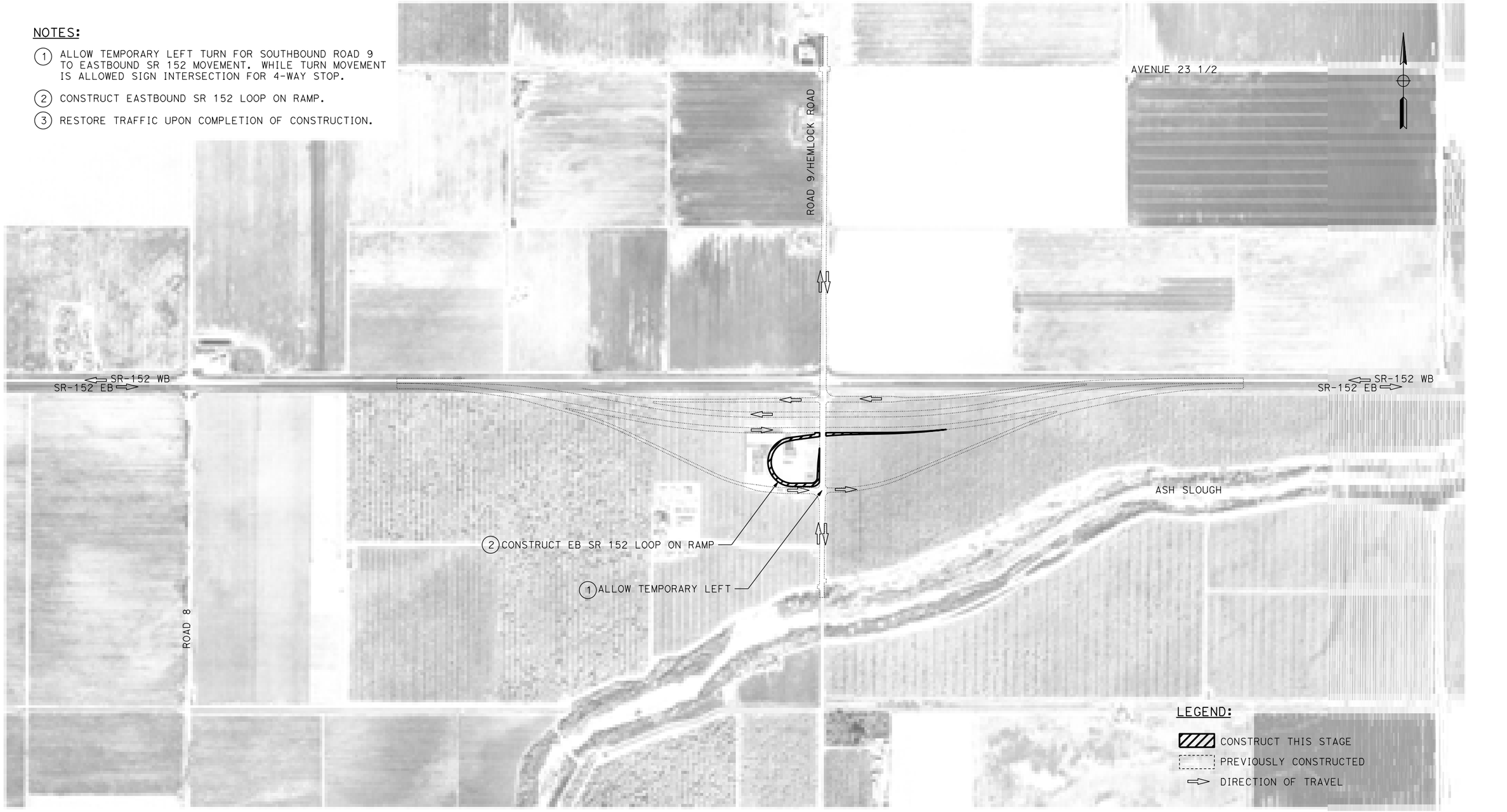
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 9/SR 152 STAGE 3 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4162-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:23
MF-CV-I4162-A.dgn
p0051334

NOTES:

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



400 0 400 800
1"=400'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

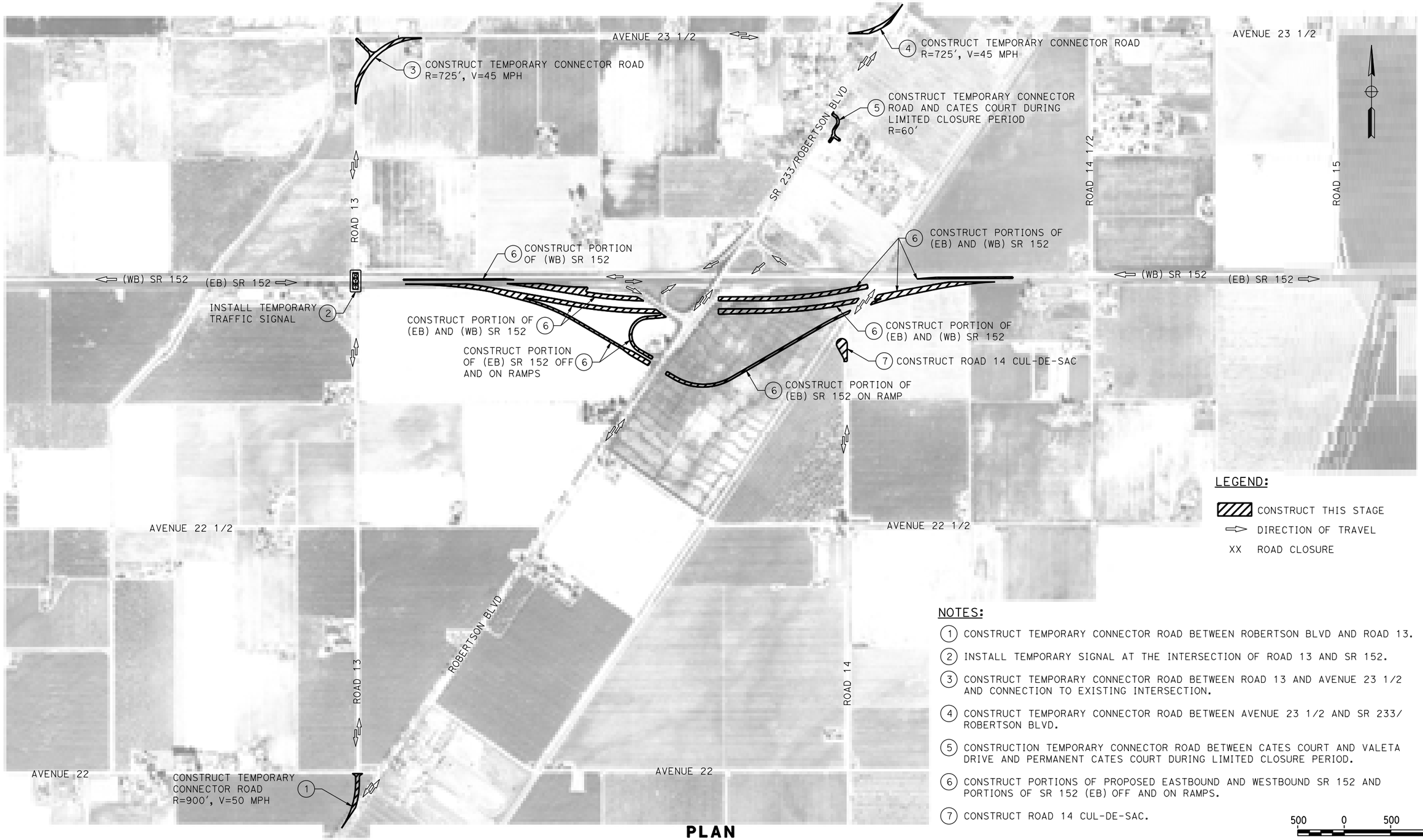
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4163-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:23
MF-CV-I4163-A.dgn
p0051133A



PLAN

NOTES:

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

500 0 500 1000
1"=500'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

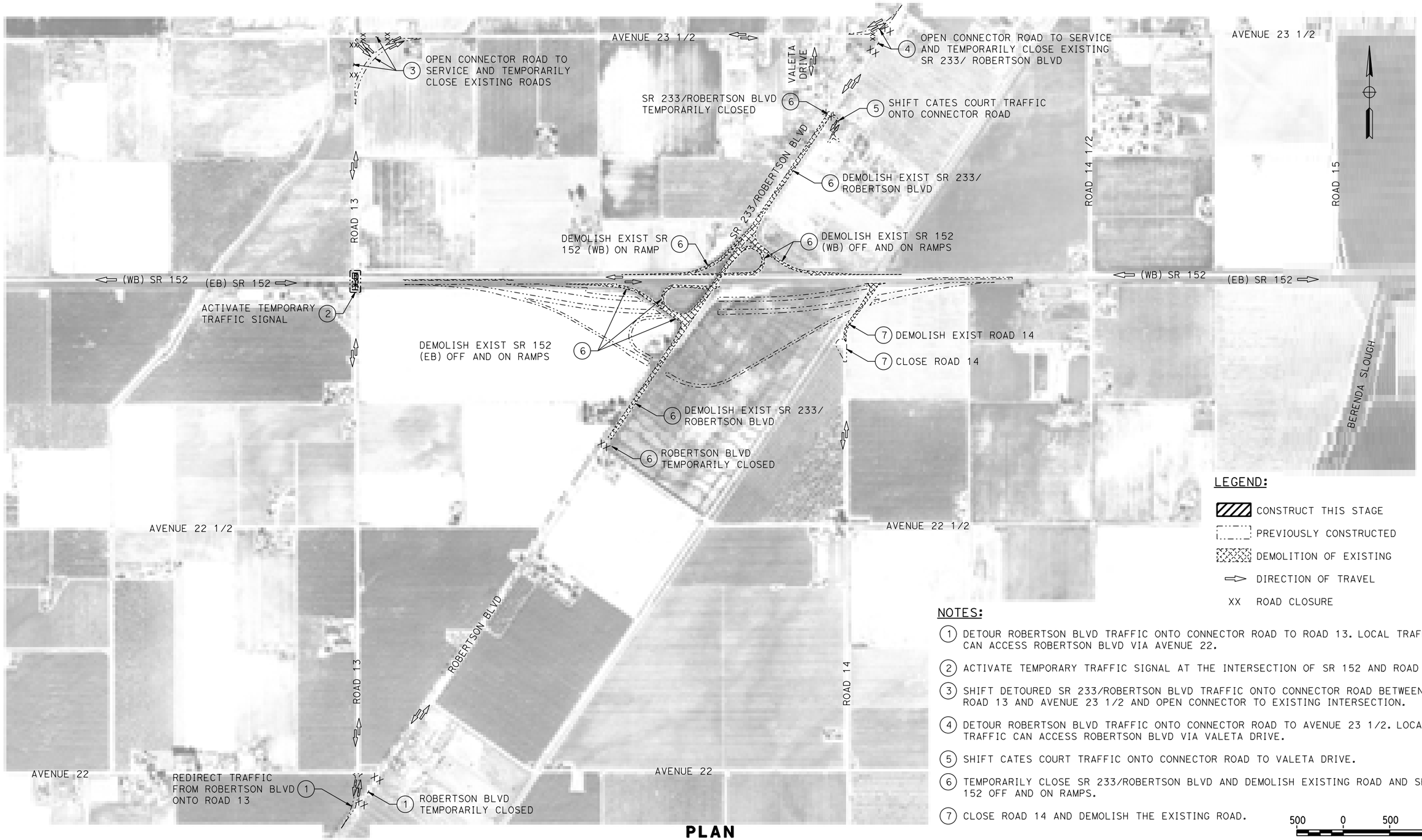
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 1 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4210-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:39 MF-CV-I4210-A.dgn p0051133A



PLAN

LEGEND:

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

NOTES:

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

500 0 500 1000
1"=500'

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

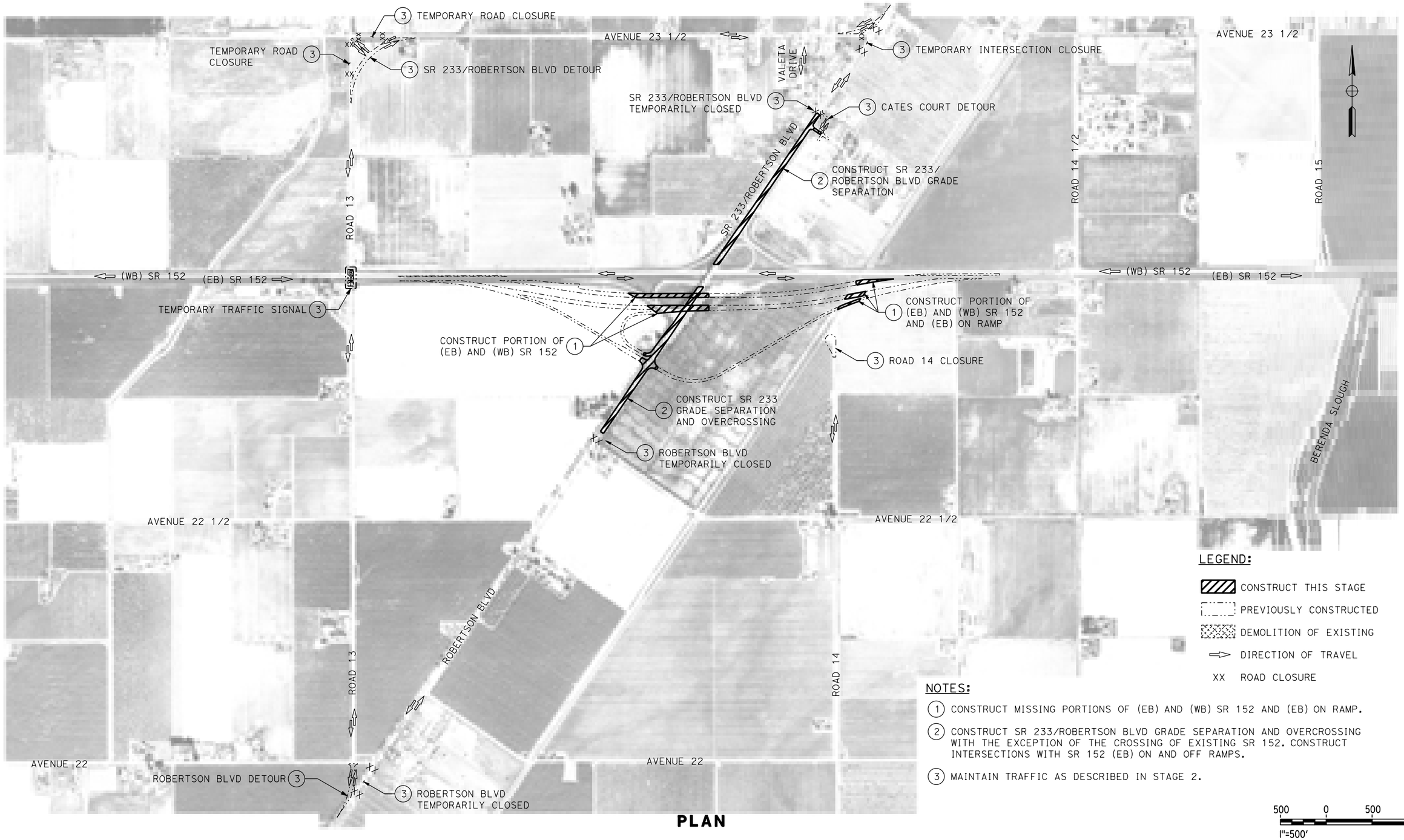
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 2 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4211-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:24 MF-CV-I4211-A.dgn p0051133A



LEGEND:

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

NOTES:

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

500 0 500 1000
1"=500'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

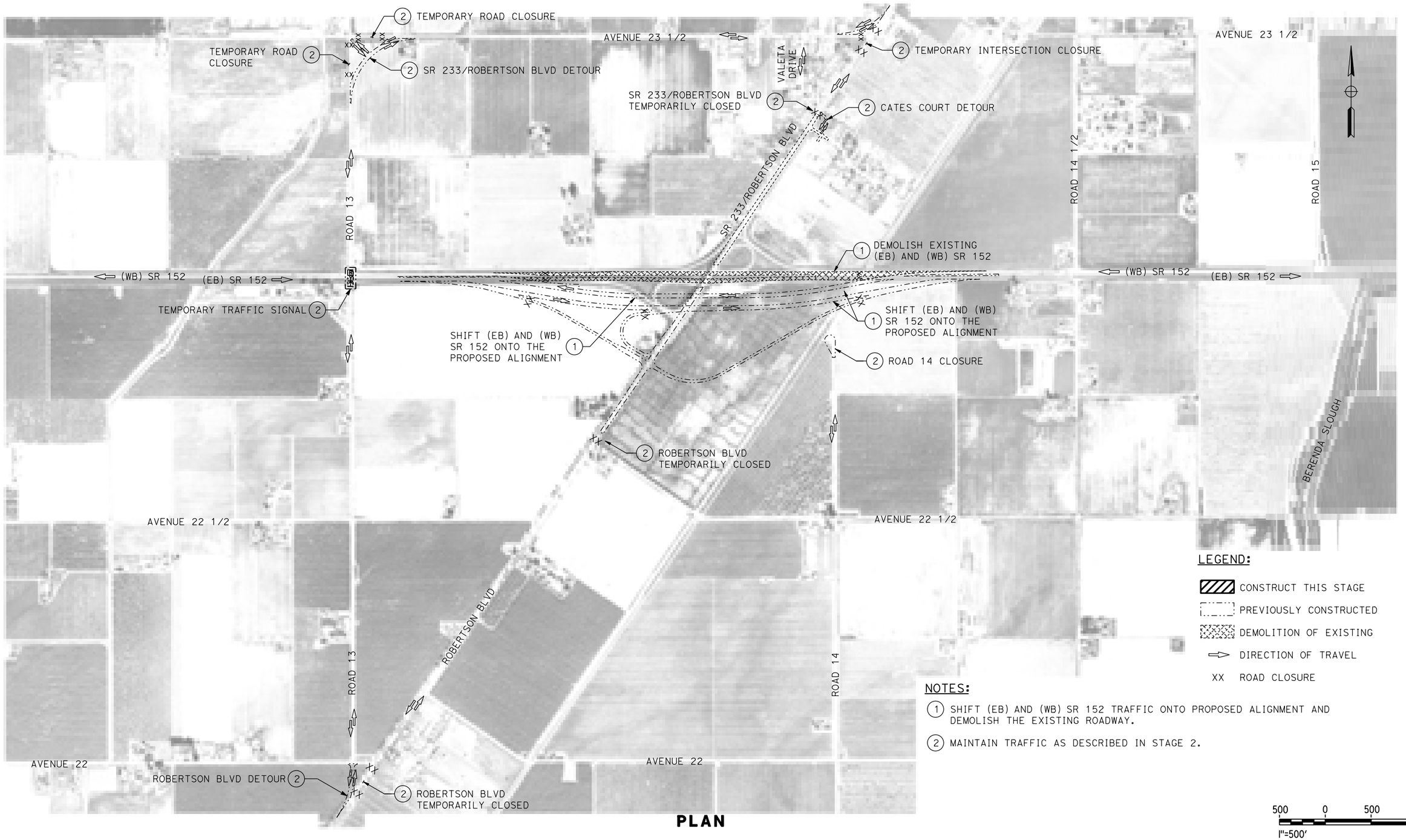
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 3 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4212-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 12:40
MF-CV-I4212-A.dgn
p0051133A



LEGEND:

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

NOTES:

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

500 0 500 1000
1"=500'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

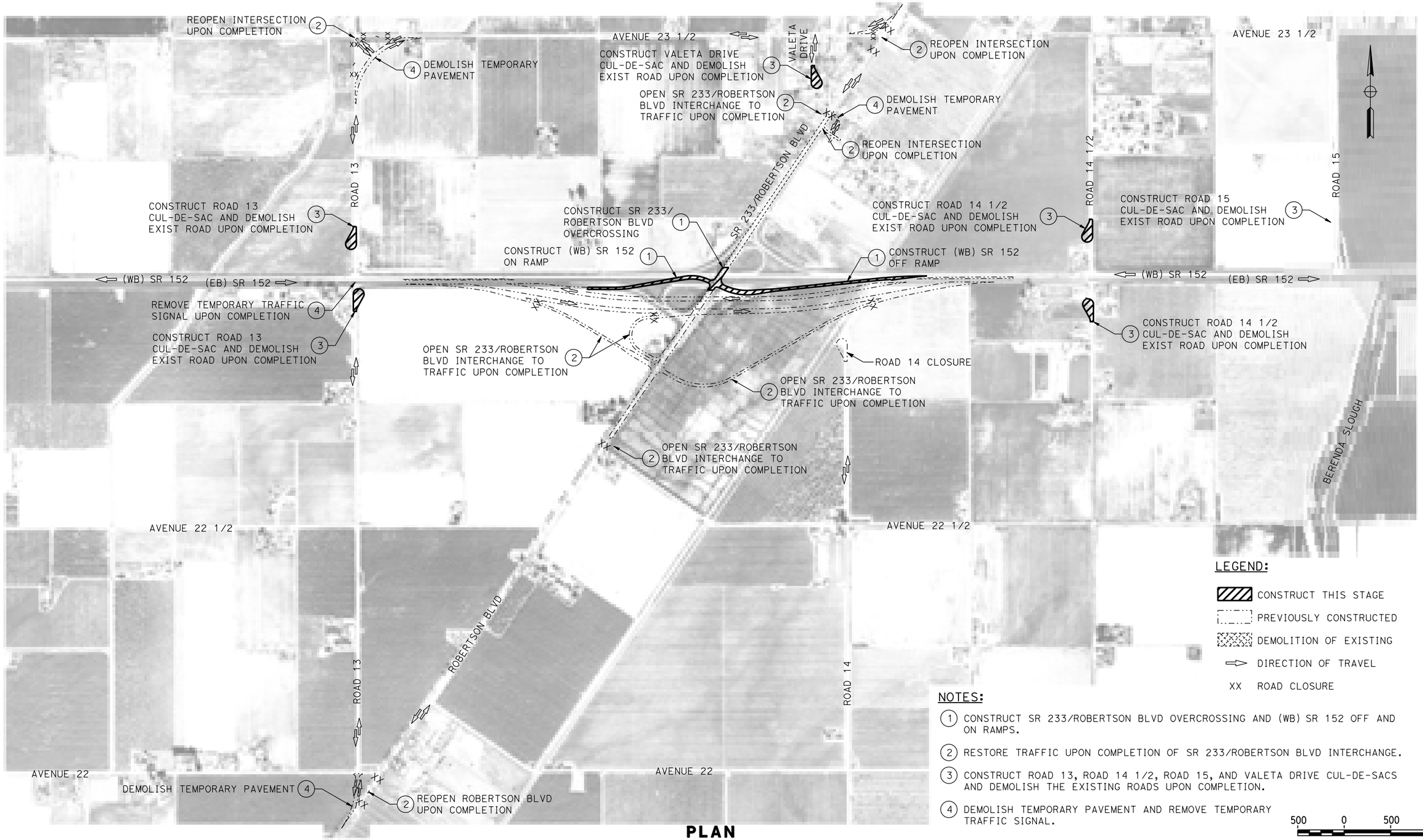
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
SR 233/SR 152 STAGE 4 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4213-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:41 MF-CV-I4213-A.dgn p0051133A



LEGEND:

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

NOTES:

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

500 0 500 1000
1"=500'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4214-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:26 MF-CV-I4214-A.dgn p0051334

NOTES:

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

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

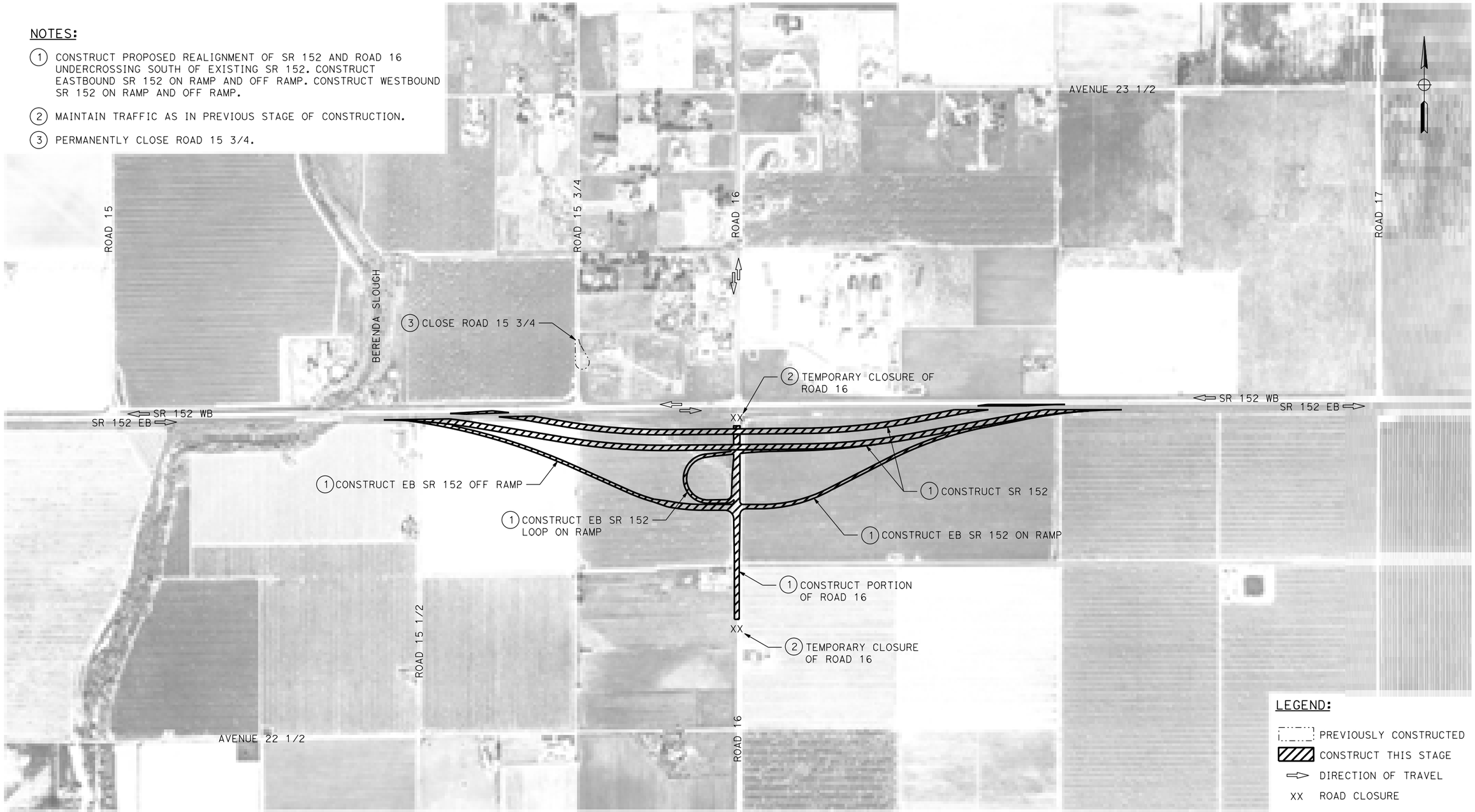
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 1 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4230-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:26 MF-CV-I4230-A.dgn p0051133A

NOTES:

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

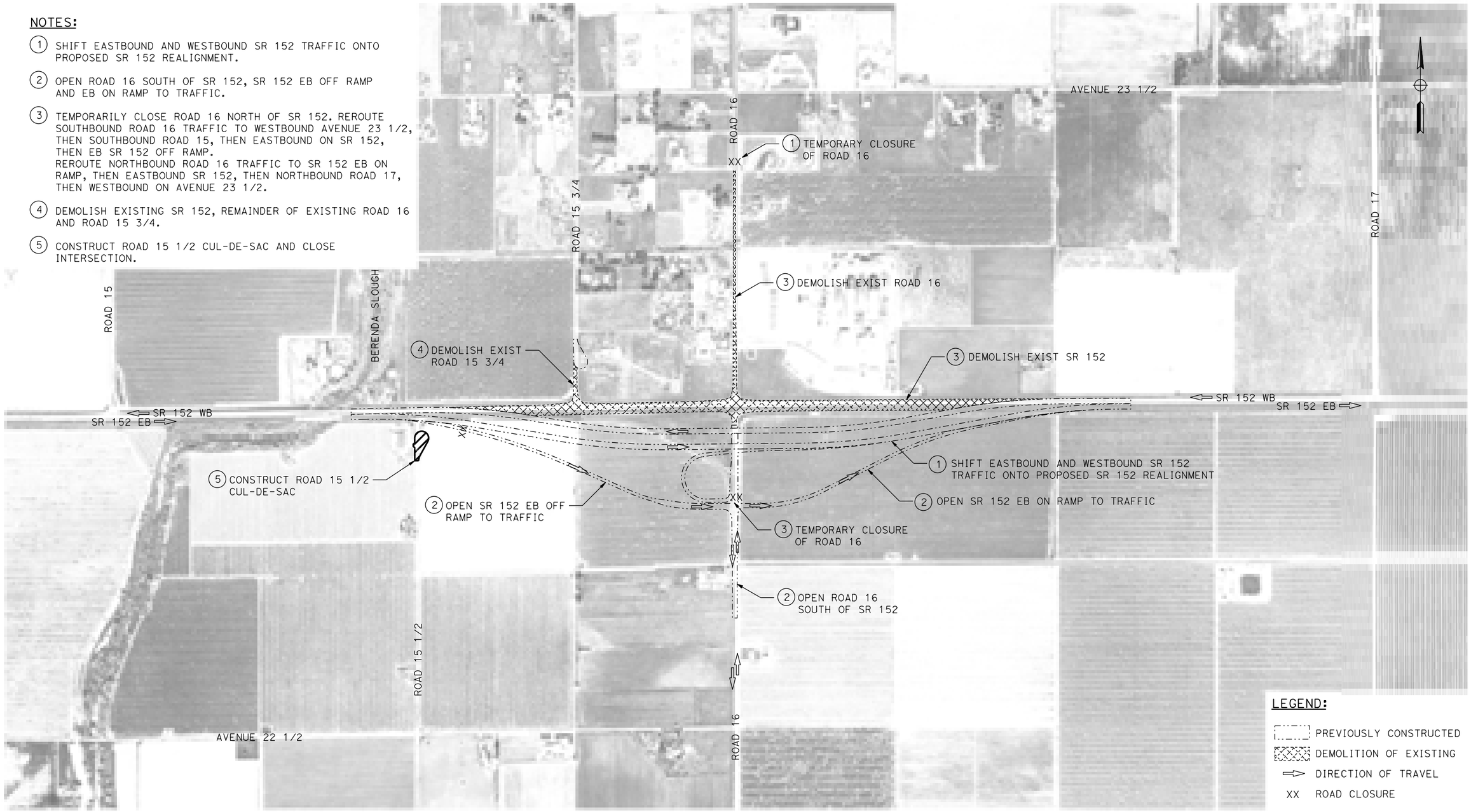
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4231-A
SCALE AS SHOWN
SHEET NO.

MF-CV-I4231-A.dgn
09-MAR-2016 2:28
p0051133A

NOTES:

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

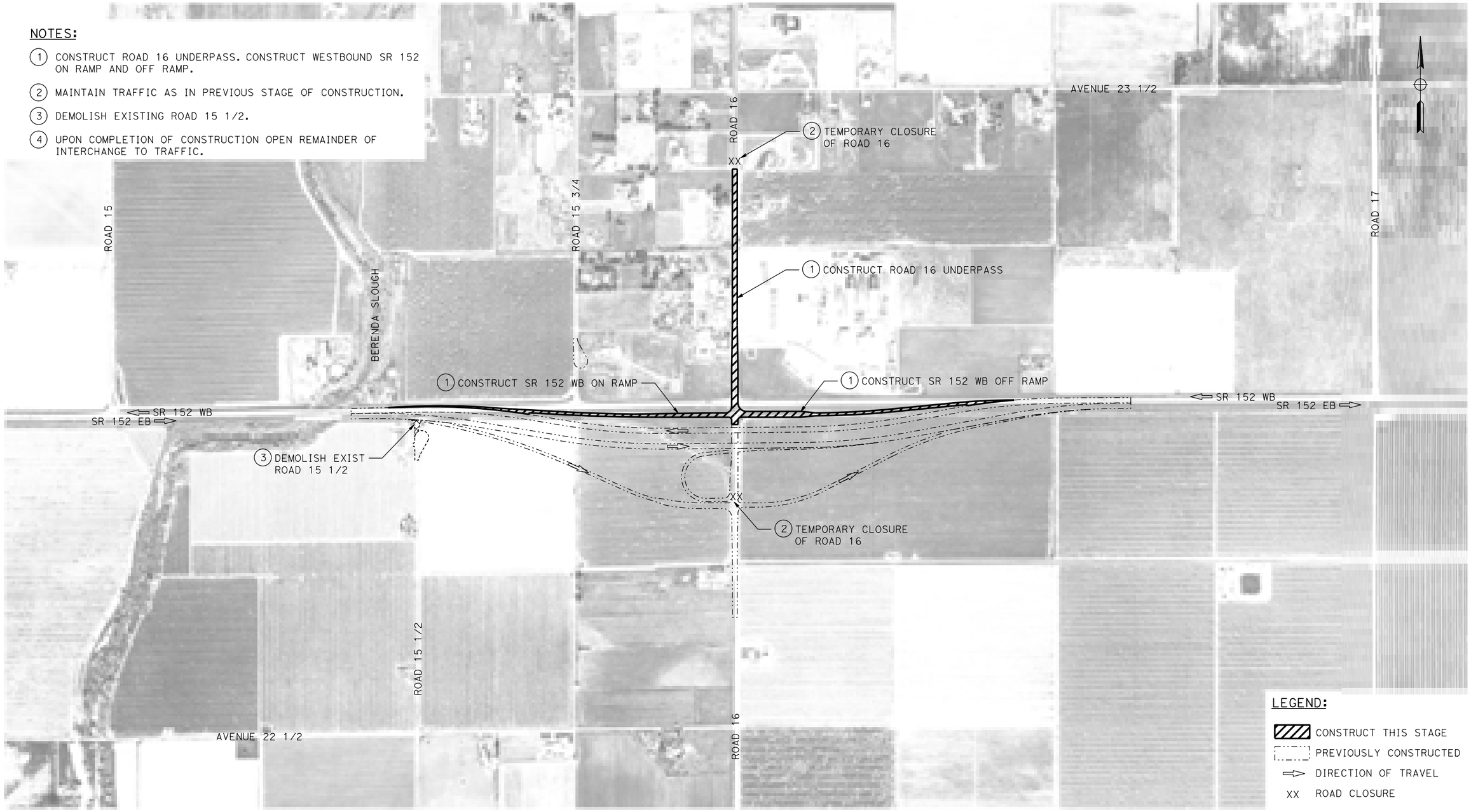
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
STAGE CONSTRUCTION PLAN
ROAD 16/SR 152 STAGE 3 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. CV-I4232-A
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 2:28
MF-CV-I4232-A.dgn
p0051334

NOTES:

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



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 2:28
MF-CV-I4233-A.dgn
p0051133A