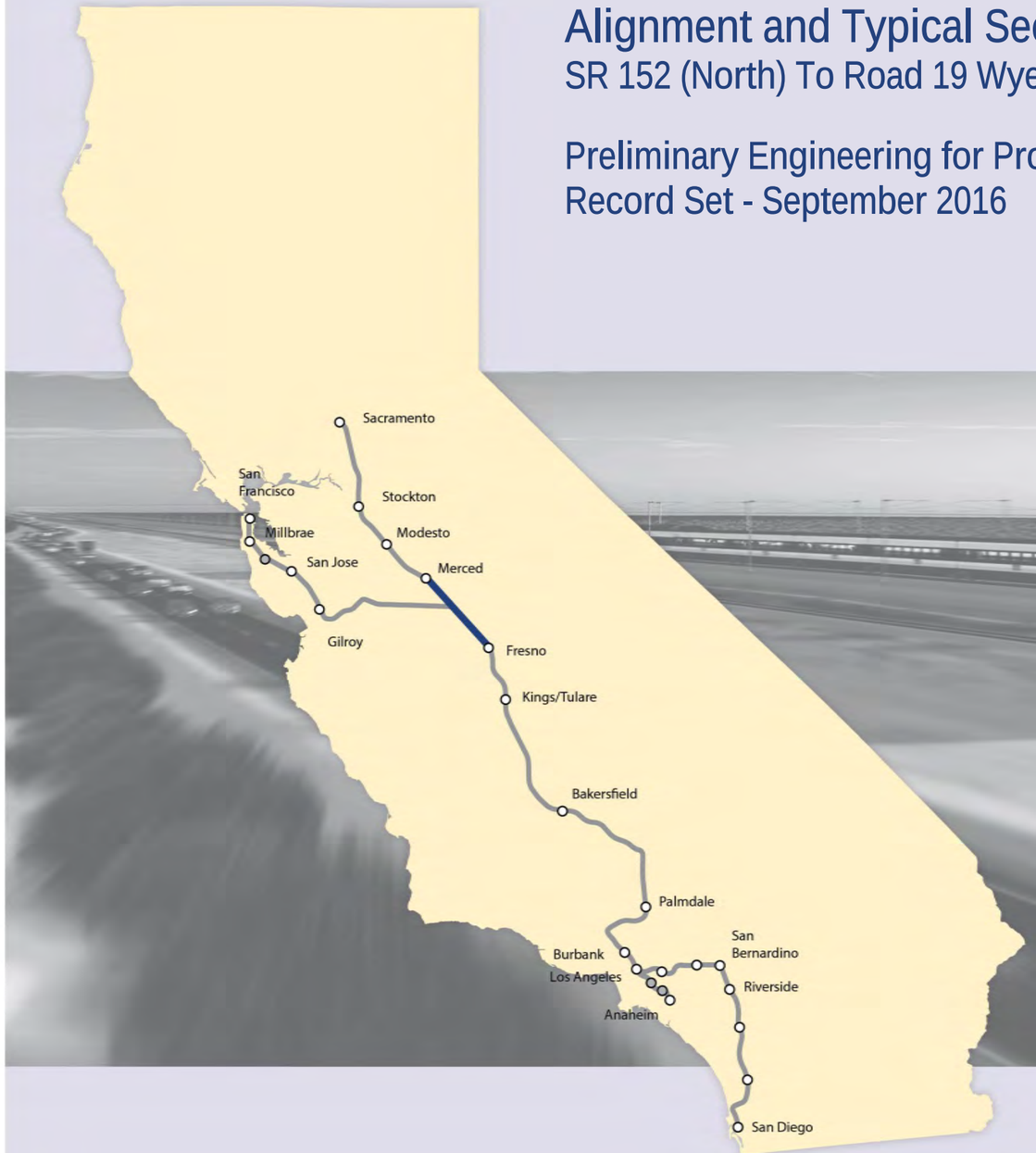
California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 2 of 4)

SR 152 (North) To Road 19 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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TT-B0012	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
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TT-C4003-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
TT-B0023-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
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TT-B0028-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
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TT-B0031-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
TT-B0050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 7
TT-B0051-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 7
TT-B0052-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 7
TT-B0053-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 7
TT-B0054-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 5 OF 7
TT-B0055-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 7
TT-B0056-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 7 OF 7
TT-D1010-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
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
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
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CONTRACT NO. HSR08-05
DRAWING NO. TT-B0002
SCALE NO SCALE
SHEET NO.

15-AUG-2016 4:57 MF-TT-B0002.dgn
p0066533

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7170+92.61
TT-D1410-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14940+00.00 TO 14996+00.00
TT-D1411-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14940+00.00 TO 14996+00.00
TT-D1420-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14996+00.00 TO 15052+00.00
TT-D1421-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14996+00.00 TO 15052+00.00
TT-D1430-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1431-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1440-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1460-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15276+00.00 TO 15332+00.00
TT-D1480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15332+00.00 TO 15388+00.00
TT-D1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15388+00.00 TO 15444+00.00
TT-D1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15444+00.00 TO 15500+00.00
TT-D1510-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15500+00.00 TO 15556+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN SUBMITTAL

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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DRAWING NO. TT-B0003
SCALE NO SCALE
SHEET NO.

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TT-D1530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1611-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1621-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1641-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1651-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1660-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36526+00.00 TO 36544+07.50
TT-D1661-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36526+00.00 TO 36544+07.50
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TT-C4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
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TT-C4003-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
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TT-B0050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 9
TT-B0051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 9
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TT-B0056-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 7 OF 9
TT-B0057-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 8 OF 9
TT-B0058-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 9 OF 9
TT-D1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
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TT-D1040-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7169+59.17
TT-D1410-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1411-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1421-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1431-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1440-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1441-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1450-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14939+00.00 TO 14995+00.00
TT-D1451-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14939+00.00 TO 14995+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN SUBMITTAL

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PARSONS

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1460-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14995+00.00 TO 15051+00.00
TT-D1461-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14995+00.00 TO 15051+00.00
TT-D1470-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15051+00.00 TO 15107+00.00
TT-D1471-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15051+00.00 TO 15107+00.00
TT-D1480-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15107+00.00 TO 15163+00.00
TT-D1481-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15107+00.00 TO 15163+00.00
TT-D1490-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15163+00.00 TO 15219+00.00
TT-D1491-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15163+00.00 TO 15219+00.00
TT-D1500-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15219+00.00 TO 15275+00.00
TT-D1501-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15219+00.00 TO 15275+00.00
TT-D1510-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15275+00.00 TO 15331+00.00
TT-D1511-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15275+00.00 TO 15331+00.00
TT-D1520-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15331+00.00 TO 15387+00.00
TT-D1521-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15331+00.00 TO 15387+00.00
TT-D1530-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15387+00.00 TO 15443+00.00
TT-D1531-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15387+00.00 TO 15443+00.00
TT-D1540-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15443+00.00 TO 15499+00.00
TT-D1541-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15443+00.00 TO 15499+00.00
TT-D1550-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15499+00.00 TO 15555+00.00
TT-D1551-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15499+00.00 TO 15555+00.00
TT-D1560-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15555+00.00 TO 15611+00.00
TT-D1561-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15555+00.00 TO 15611+00.00
TT-D1570-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15611+00.00 TO 15655+00.00
TT-D1571-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15611+00.00 TO 15655+00.00
TT-D1610-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36570+00.00 TO 36626+00.00
TT-D1611-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36570+00.00 TO 36626+00.00
TT-D1620-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36626+00.00 TO 36682+00.00
TT-D1621-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36626+00.00 TO 36682+00.00
TT-D1630-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36682+00.00 TO 36738+00.00
TT-D1631-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36682+00.00 TO 36738+00.00
TT-D1640-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36738+00.00 TO 36794+00.00
TT-D1641-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36738+00.00 TO 36794+00.00
TT-D1650-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36794+00.00 TO 36850+00.00
TT-D1651-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36794+00.00 TO 36850+00.00
TT-D1660-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36850+00.00 TO 36857+28.64
TT-D1661-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36850+00.00 TO 36857+28.64
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE				
TT-C0001-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 4
TT-C0002-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 4
TT-C0003-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 4
TT-C0004-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 4 OF 4

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-B0020-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 1 OF 8
TT-B0021-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 2 OF 8
TT-B0022-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 3 OF 8
TT-B0023-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 4 OF 8
TT-B0024-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 5 OF 8
TT-B0025-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 6 OF 8
TT-B0026-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 7 OF 8
TT-B0027-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 8 OF 8
TT-B0050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 9
TT-B0051-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 9
TT-B0052-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 9
TT-B0053-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 9
TT-B0054-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 5 OF 9
TT-B0055-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 6 OF 9
TT-B0056-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 7 OF 9
TT-B0057-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 8 OF 9
TT-B0058-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB & SB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 9 OF 9
TT-D1010-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1250-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7147+86.07
TT-D1410-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14840+42.06 TO 14896+00.00
TT-D1411-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14840+42.06 TO 14896+00.00
TT-D1420-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14896+00.00 TO 14952+00.00
TT-D1421-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14896+00.00 TO 14952+00.00
TT-D1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14952+00.00 TO 15008+00.00
TT-D1431-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14952+00.00 TO 15008+00.00
TT-D1440-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15008+00.00 TO 15064+00.00
TT-D1441-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15008+00.00 TO 15064+00.00
TT-D1450-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15064+00.00 TO 15120+00.00
TT-D1451-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15064+00.00 TO 15120+00.00
TT-D1460-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15120+00.00 TO 15176+00.00
TT-D1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15176+00.00 TO 15232+00.00
TT-D1480-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15232+00.00 TO 15288+00.00
TT-D1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15288+00.00 TO 15344+00.00
TT-D1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15344+00.00 TO 15400+00.00
TT-D1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15400+00.00 TO 15456+00.00
TT-D1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15456+00.00 TO 15512+00.00
TT-D1530-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15512+00.00 TO 15568+00.00
TT-D1540-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15568+00.00 TO 15624+00.00
TT-D1550-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15624+00.00 TO 15655+00.00
TT-D1610-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36269+99.76 TO 36324+00.00
TT-D1611-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36269+99.76 TO 36324+00.00
TT-D1620-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36324+00.00 TO 36380+00.00
TT-D1621-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36324+00.00 TO 36380+00.00
TT-D1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36380+00.00 TO 36436+00.00
TT-D1631-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36380+00.00 TO 36436+00.00
TT-D1640-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36436+00.00 TO 36492+00.00
TT-D1641-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36436+00.00 TO 36492+00.00
TT-D1650-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36492+00.00 TO 36548+00.00
TT-D1651-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36492+00.00 TO 36548+00.00
TT-D1660-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36548+00.00 TO 36567+19.00
TT-D1661-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36548+00.00 TO 36567+19.00

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN SUBMITTAL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
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SHEET NO.

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE				
TT-C4001-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 11
TT-B0021-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 11
TT-B0022-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 11
TT-B0023-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 11
TT-B0024-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 11
TT-B0025-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 11
TT-B0026-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 11
TT-B0027-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 11
TT-B0028-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 11
TT-B0029-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 11
TT-B0030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 11
TT-B0050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 7
TT-B0051-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 7
TT-B0052-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 7
TT-B0053-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 7
TT-B0054-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 5 OF 7
TT-B0055-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 7
TT-B0056-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 7 OF 7
TT-D1010-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
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CONTRACT NO. HSR08-05
DRAWING NO. TT-B0009
SCALE NO SCALE
SHEET NO.

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7171+85.19
TT-D1410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1411-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1420-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1421-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1430-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1431-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1441-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1451-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15276+00.00 TO 15332+00.00
TT-D1470-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15332+00.00 TO 15388+00.00
TT-D1480-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15388+00.00 TO 15444+00.00
TT-D1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15444+00.00 TO 15500+00.00
TT-D1500-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15500+00.00 TO 15556+00.00
TT-D1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
TT-D1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1611-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1620-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1621-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1631-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1641-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1651-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1660-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36408+00.00 TO 36457+64.82
TT-D1661-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36408+00.00 TO 36457+64.82

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. ALADIN
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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
ARS	ACCELERATION RESPONSE SPECTRUM
AS	AGGREGATE SUBBASE
ASRP	ALUMINUM SPIRAL RIB PIPE
ASSY	ASSEMBLY
ATPB	ASPHALT TREATED PERMEABLE BASE
ATPM	ASPHALT TREATED PERMEABLE MATERIAL
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
BR	BRIDGE
BRG	BEARING
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

C CONTINUED

CB	CONCRETE BARRIER
CBW	CONCRETE BLOCK WALL
C-C	CENTER TO CENTER
CHSRA	CALIFORNIA HIGH SPEED RAIL AUTHORITY
CHST	CALIFORNIA HIGH SPEED TRAIN
CHSR	CALIFORNIA HIGH SPEED RAIL
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
CL-6	CHAIN LINK FENCE (6 FT)
CL	CLASS
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
CR	CREEK
CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT
CRSP	CONCRETED ROCK SLOPE PROTECTION
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

D CONTINUED

DF	DOUGLAS FIR
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
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

F CONTINUED

FIG	FIGURE
FL	FLOW LINE
FNBT	FACING NORTHBOUND TRAFFIC
FOB	FREE ON BOARD
FOC	FACE OF CONCRETE
FR RD	FRONTAGE ROAD
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
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
HST	HIGH SPEED TRAIN
HSR	HIGH SPEED RAIL
HW	HEADWALL, HIGH WATER
HWM	HIGH WATER MARK
HWY	HIGHWAY

I

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

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
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
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
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
MTL	MATERIAL

N

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. BALTAY
DRAWN BY E. BALTAY
CHECKED BY KRIT W.
IN CHARGE D. WEMMER
DATE 08/12/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 1 OF 2

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0011
SCALE NO SCALE
SHEET NO.

WF-TT-B0011.dgn
16-AUG-2016 09:14
p0042226

O

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

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

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
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 E. BALTAY
DRAWN BY E. BALTAY
CHECKED BY KRIT W.
IN CHARGE D. WEMMER
DATE 08/12/2016

RECORD SET
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NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 2 OF 2

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

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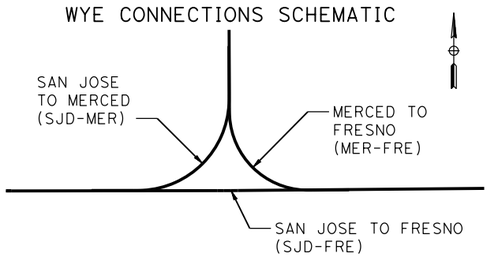

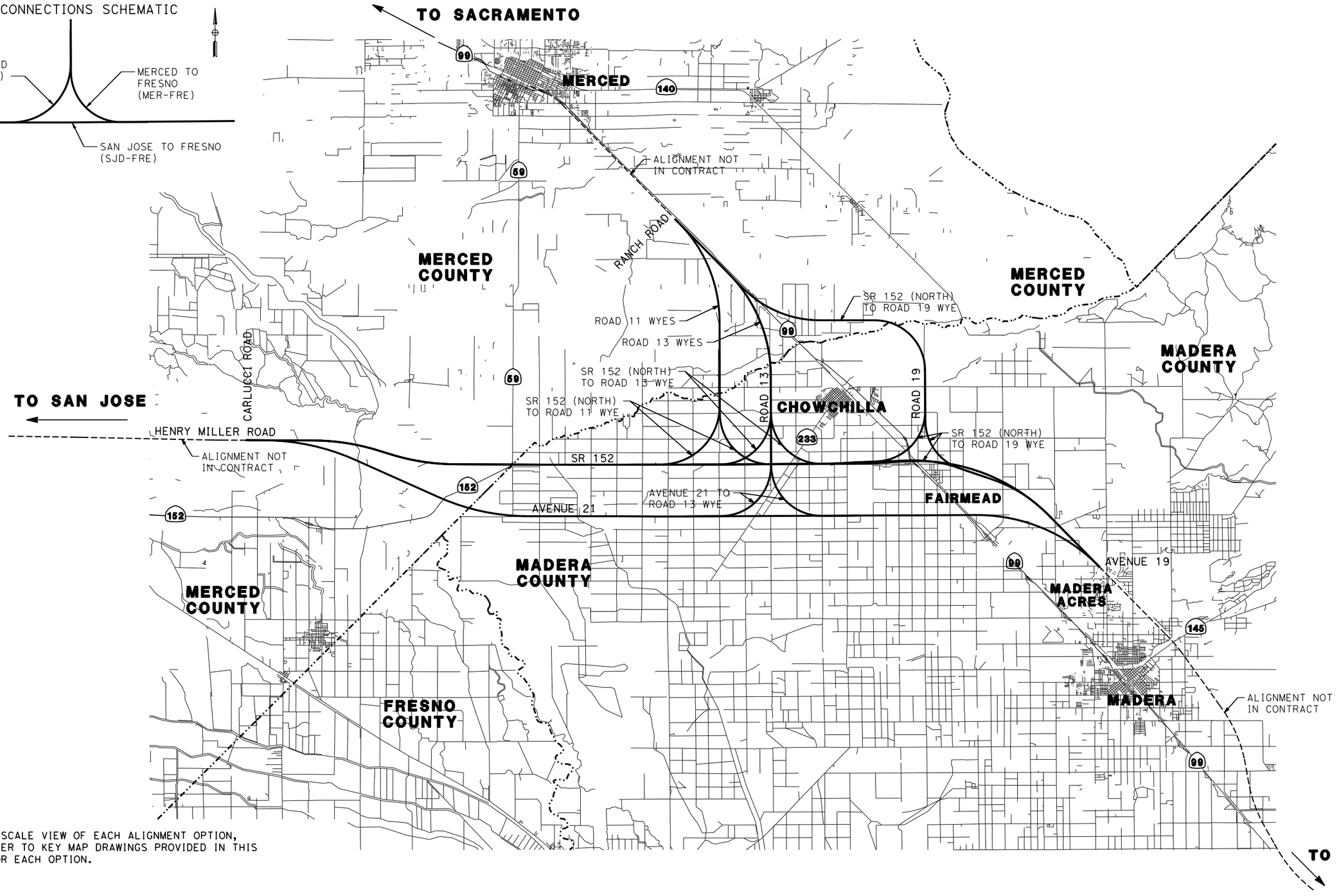

NOTE:

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: C. LEMLEY
DRAWN BY: J. KIDWELL
CHECKED BY: A. M.
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
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

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

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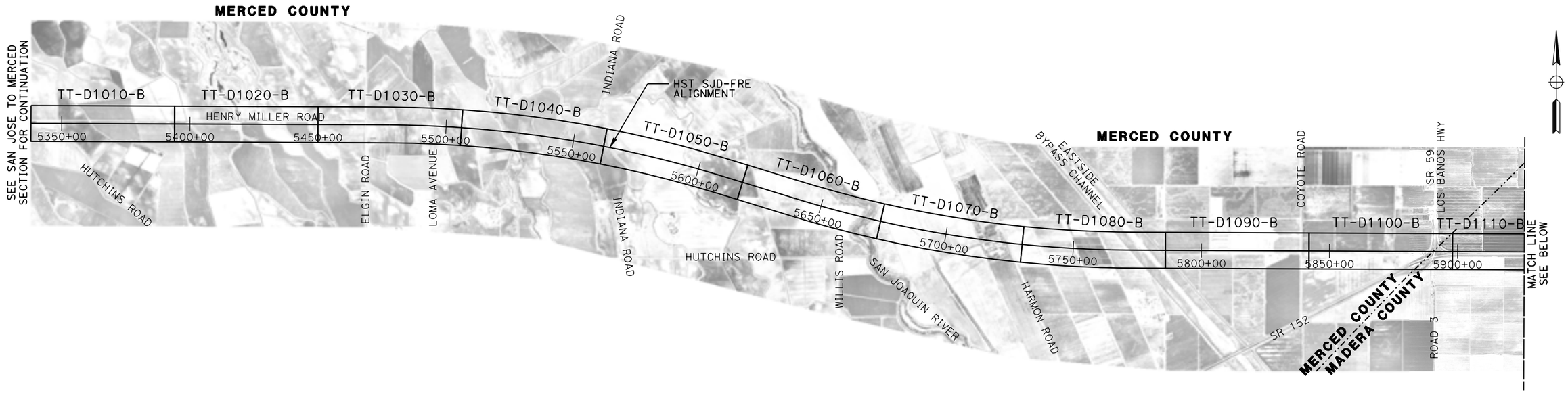

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: D. OLIVETI
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. TT-C4001-B
SCALE N. T. S.
SHEET NO.

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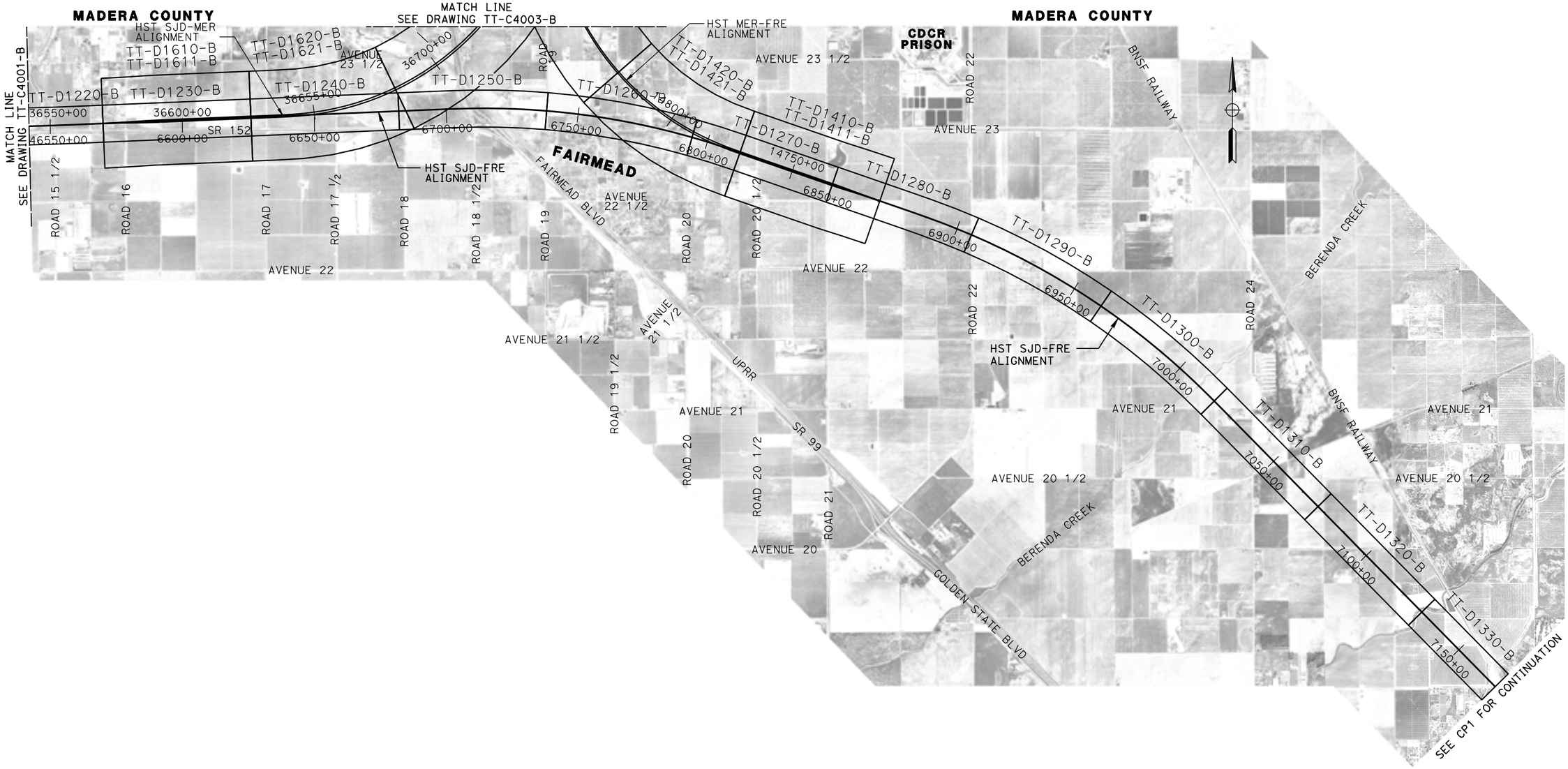

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: D. OLIVETI
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

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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 19 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. TT-C4002-B
SCALE N. T. S.
SHEET NO.

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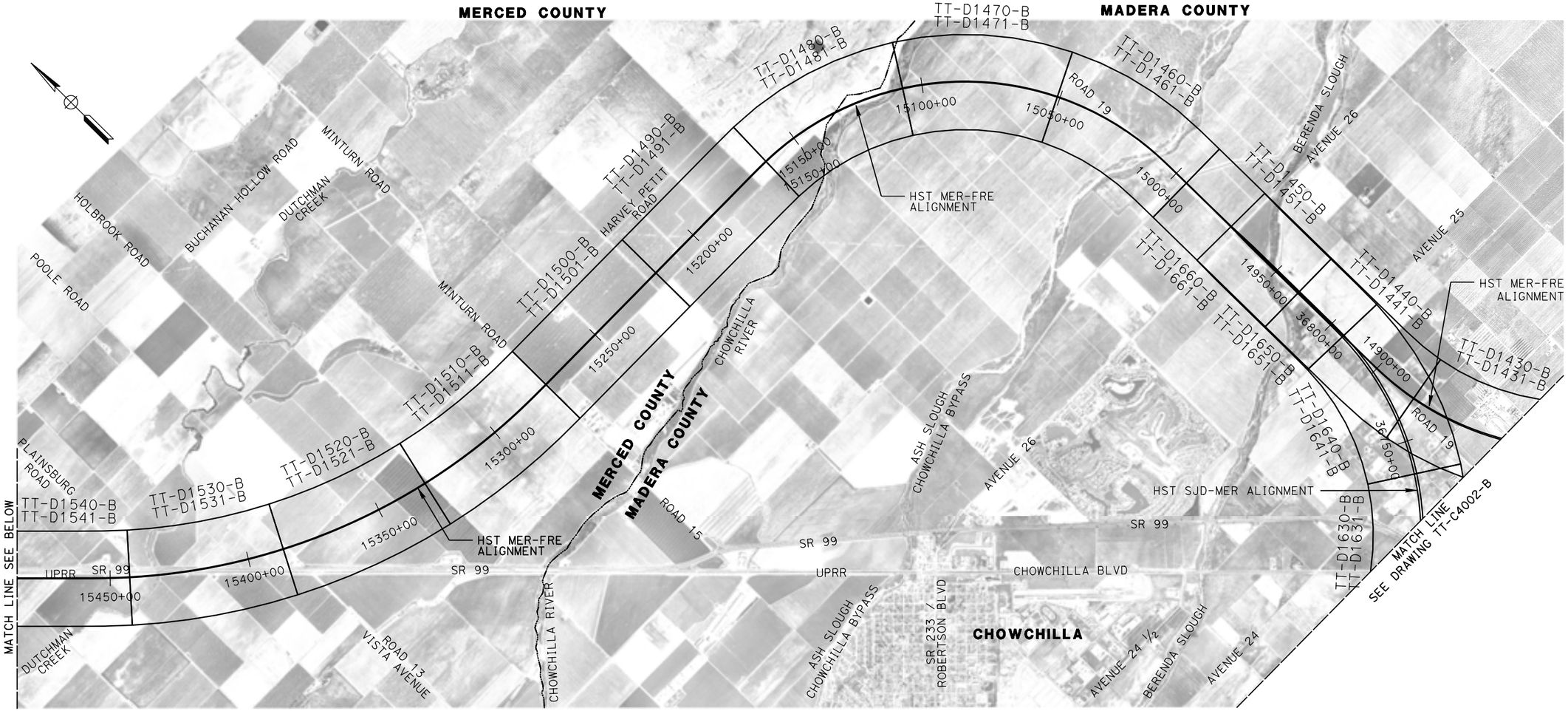

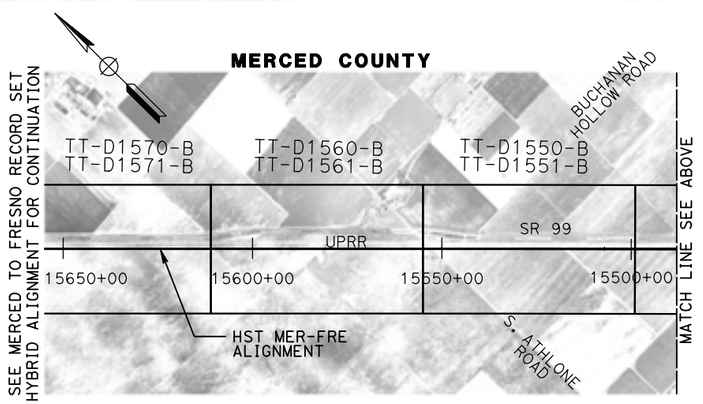

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY D. OLIVETI
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

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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 19 WYE ALTERNATIVE
KEY MAP
SHEET 3 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. TT-C4003-B
SCALE N. T. S.
SHEET NO.

18-MAR-2016 08:53 MF-TT-C4003-B.dgn
p0042226

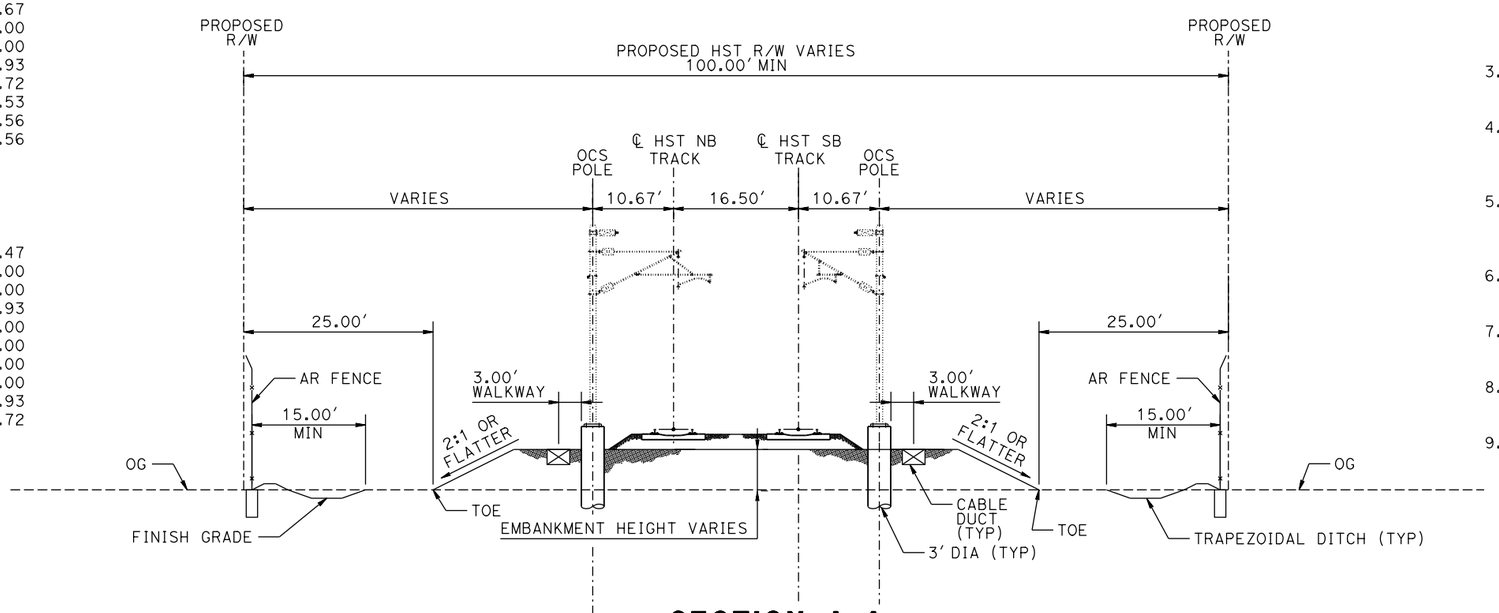
SECTION A-A

TANGENT

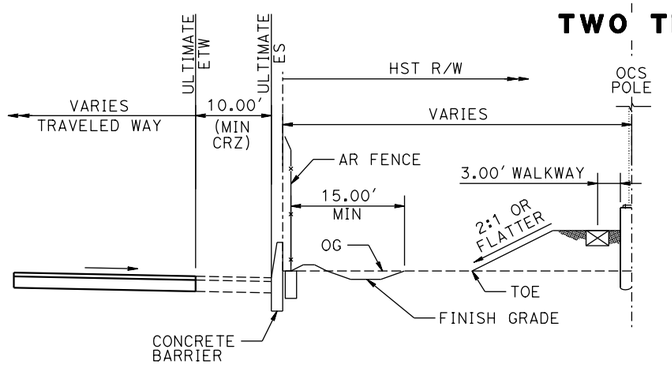
STATION SJD-FRE 5338+00.00 TO 5468+71.17
STATION SJD-FRE 5617+79.47 TO 5632+50.67
STATION SJD-FRE 5785+40.00 TO 5898+00.00
STATION SJD-FRE 6651+60.92 TO 6657+54.00
STATION SJD-FRE 6658+94.00 TO 6692+54.93
STATION SJD-FRE 6868+50.00 TO 6875+46.72
STATION SJD-FRE 7027+24.72 TO 7128+15.53
STATION SJD-FRE 7130+55.53 TO 7195+36.56
STATION SJD-FRE 7197+76.56 TO 7322+45.56

SUPERELEVATED

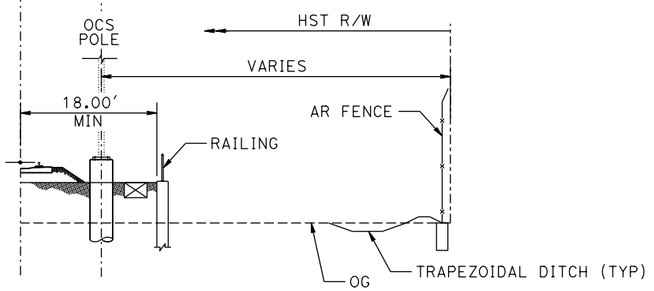
STATION SJD-FRE 5468+71.17 TO 5617+79.47
STATION SJD-FRE 5632+50.67 TO 5656+47.00
STATION SJD-FRE 5657+77.00 TO 5664+90.00
STATION SJD-FRE 5672+70.00 TO 5683+29.93
STATION SJD-FRE 5689+20.00 TO 5723+00.00
STATION SJD-FRE 5725+40.00 TO 5769+80.00
STATION SJD-FRE 6692+54.93 TO 6704+37.00
STATION SJD-FRE 6725+98.00 TO 6790+61.00
STATION SJD-FRE 6793+01.00 TO 6800+39.93
STATION SJD-FRE 6875+46.72 TO 7027+24.72



SECTION A-A
TWO TRACKS ON EMBANKMENT



SUBSECTION A-A
HST ADJACENT TO ROADWAY
WITH 10' CLEAR RECOVERY ZONE (CRZ)



SUBSECTION A-A
HST WITH RETAINING WALL

GENERAL TYPICAL SECTION NOTES:

1. TRACK, OCS POLES AND FOUNDATIONS, CABLE DUCTS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. RIGHT-OF-WAY REQUIRED FOR THE HST GUIDEWAY WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING, BUT NOT LIMITED TO, TERRAIN WHERE CUT/FILL SLOPES, RETAINING STRUCTURES, AND ACCESS ARE REQUIRED.
3. SEE STRUCTURES, VIADUCT AND TUNNEL PLANS FOR DETAILED CROSS SECTIONS OF STRUCTURES.
4. RIGHT-OF-WAY TO BE PLACED A MINIMUM OF 15.00' FROM EDGE OF PIER FOUNDATION OR STRUCTURE DECK.
5. BALLASTED TRACK STRUCTURE AT ALL LOCATIONS EXCEPT ON STRUCTURES OVER 1000 FEET IN LENGTH.
6. TANGENT AND SUPERELEVATED SECTION IS FOR THE PURPOSE OF ILLUSTRATION ONLY.
7. ALL STATION LIMITS ARE TAKEN FROM SOUTHBOUND ALIGNMENT STATIONING.
8. SEE CIVIL AND GRADE SEPARATION PLANS FOR PERMANENT ACCESS AND UTILITY EASEMENTS.
9. 6 FEET BENCH REQUIRED FOR EMBANKMENT HEIGHT OVER 30' (NOT SHOWN).

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0020-B
SCALE N.T.S.
SHEET NO.

03-MAR-2016 06:33 MF-TT-B0020-B.dgn
p0042226

SECTION B-B

TANGENT

STATION SJD-FRE 5780+47.93 TO 5785+40.00
STATION SJD-FRE 6274+90.00 TO 6284+20.00
STATION SJD-FRE 6657+54.00 TO 6658+94.00
STATION SJD-FRE 7128+15.53 TO 7130+55.53
STATION SJD-FRE 7195+36.56 TO 7197+76.56

SUPERELEVATED

STATION SJD-FRE 5656+47.00 TO 5657+77.00
STATION SJD-FRE 5664+90.00 TO 5672+70.00
STATION SJD-FRE 5683+29.93 TO 5689+20.00
STATION SJD-FRE 5723+00.00 TO 5725+40.00
STATION SJD-FRE 5769+80.00 TO 5780+47.93
STATION SJD-FRE 6543+20.00 TO 6549+60.00
STATION SJD-FRE 6704+37.00 TO 6725+98.00
STATION SJD-FRE 6790+61.00 TO 6793+01.00
STATION MER-FRE 15006+95.00 TO 15014+70.00*
STATION MER-FRE 15031+42.98 TO 15035+59.98*

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING

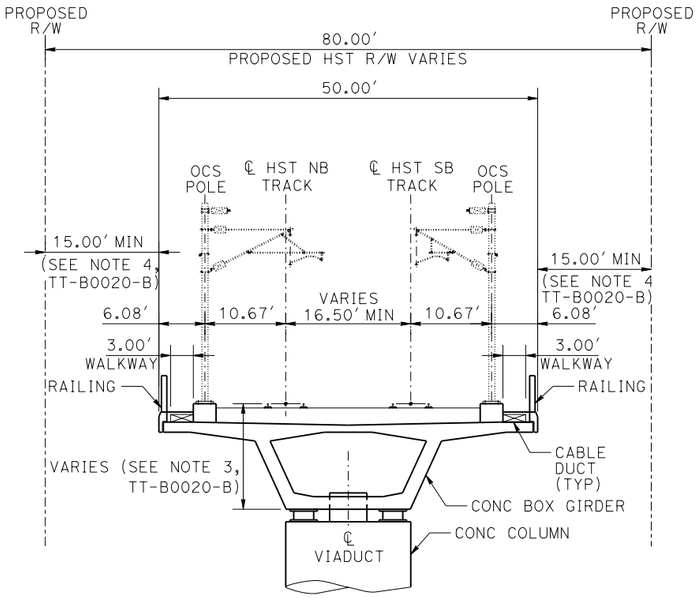
SECTION C-C

TANGENT

STATION SJD-FRE 5898+00.00 TO 5944+06.22
STATION SJD-FRE 5948+60.10 TO 5997+98.36
STATION SJD-FRE 6033+22.76 TO 6264+37.13
STATION SJD-FRE 6334+52.80 TO 6524+45.15
STATION SJD-FRE 6562+75.24 TO 6570+00.00

SUPERELEVATED

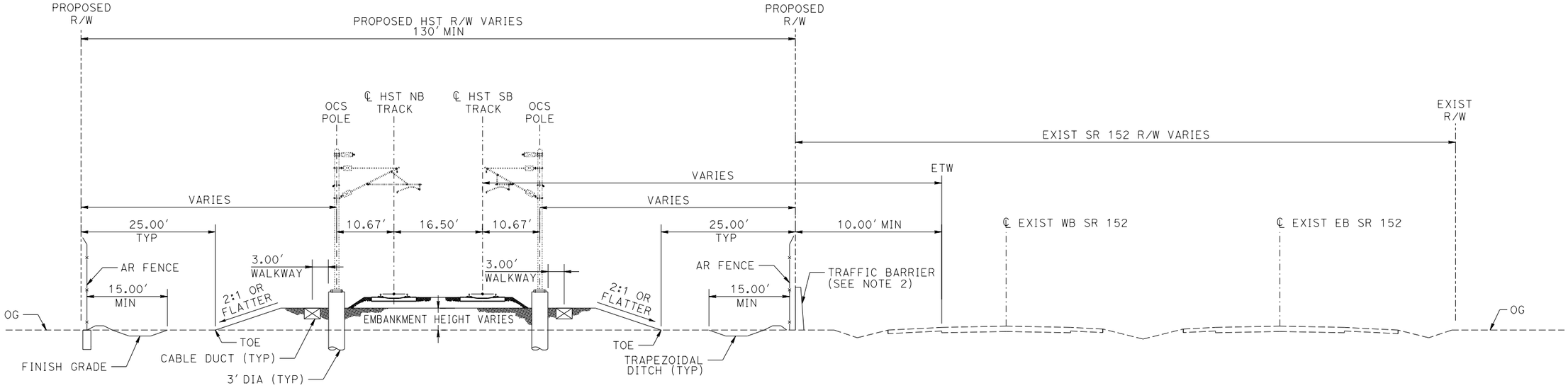
STATION SJD-FRE 5997+98.36 TO 6033+22.76
STATION SJD-FRE 6304+92.40 TO 6334+52.80
STATION SJD-FRE 6524+45.14 TO 6543+20.00
STATION SJD-FRE 6549+60.00 TO 6562+75.24



SECTION B-B
TWO TRACKS ON AERIAL STRUCTURE

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.
2. FOR LOCATIONS WHERE 52' MINIMUN SEPARATION BETWEEN HIGHWAY'S ETW AND THE HST FENCE IS NOT ACHIEVABLE, A CONCRETE BARRIER WILL BE PROVIDED.



SECTION C-C
TWO TRACKS ON EMBANKMENT ADJACENT TO SR 152

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 2 OF 12

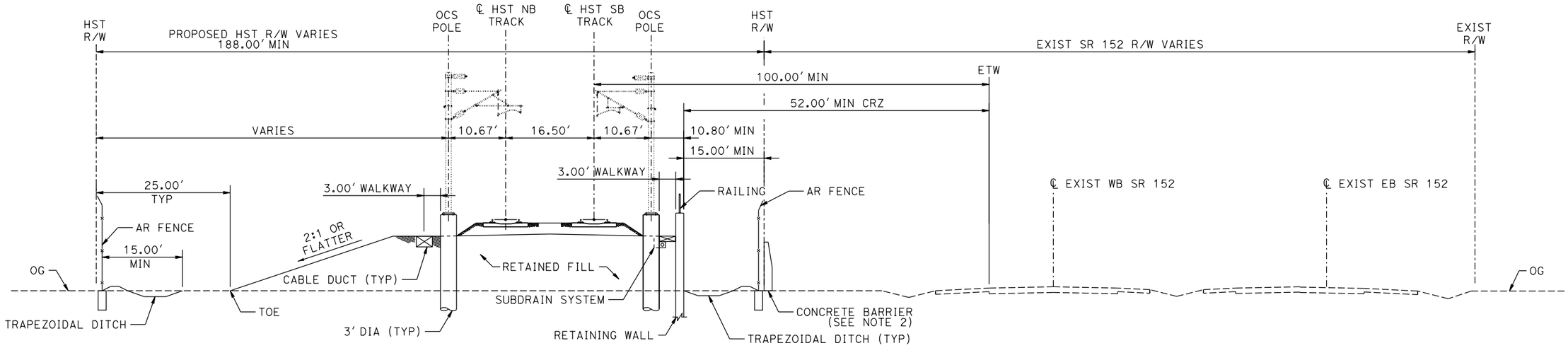
CONTRACT NO. HSR08-05
DRAWING NO. TT-B0021-B
SCALE N.T.S.
SHEET NO.

28-OCT-2015 09:32
MF-TT-B0021-B.dgn
p0051133a

SECTION D-D

TANGENT	SUPERELEVATED
STATION SJD-FRE 5944+06.22 TO 5948+60.10	STATION SJD-FRE 6294+70.18 TO 6304+92.40
STATION SJD-FRE 6264+37.13 TO 6274+90.00	
STATION SJD-FRE 6284+20.00 TO 6294+70.18	

NOTES:
1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.
2. FOR LOCATIONS WHERE 52′ MINIMUM SEPARATION BETWEEN HIGHWAY ETW AND THE HST FENCE IS NOT ACHIEVABLE, A CONCRETE BARRIER WILL BE PROVIDED.



SECTION D-D
TWO TRACKS ON RETAINED FILL ADJACENT TO AN INTERCHANGE

MF-TT-B0022-B.dgn
03-MAR-2016 06:34
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 3 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0022-B
SCALE N.T.S.
SHEET NO.

SECTION E-E

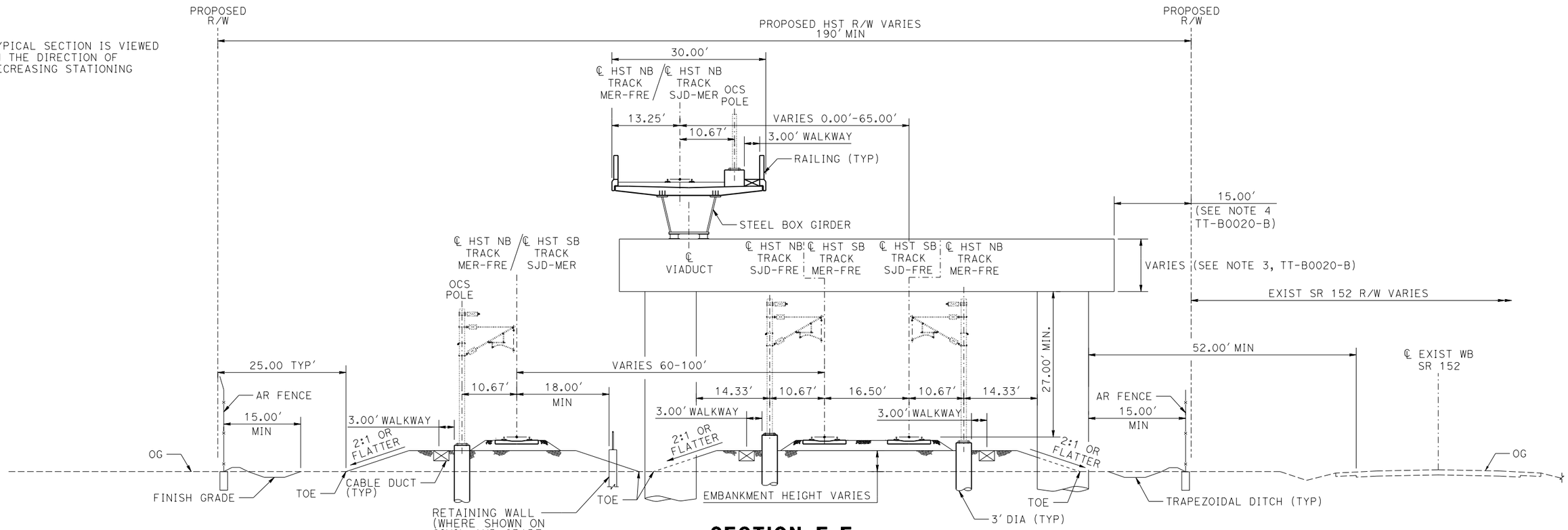
TANGENT

STATION SJD-FRE 6645+64.50 TO 6651+60.92

SUPERELEVATED

STATION SJD-FRE 6800+27.00 TO 6804+36.00
STATION MER-FRE 14780+10.00 TO 14783+60.00*
STATION MER-FRE 14908+46.40 TO 14918+54.00
STATION SJD-MER 36646+00.00 TO 36651+50.49
STATION SJD-MER 36785+85.58 TO 36795+77.67

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING



SECTION E-E
ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

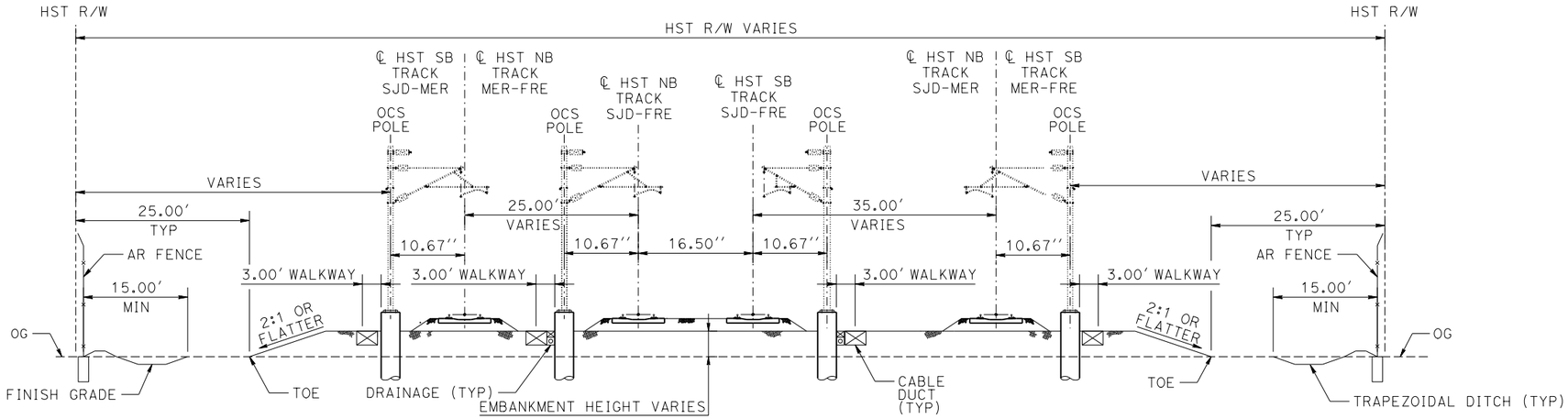
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 4 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0023-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0023-B.dgn
28-OCT-2015 09:32
p0051133a

NOTES:
1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.



SECTION F-F
FOUR TRACKS AT-GRADE

SECTION F-F

TANGENT

STATION SJD-FRE 6570+00.00 TO 6577+70.30
STATION SJD-FRE 6579+20.30 TO 6625+19.60
STATION SJD-FRE 6826+21.70 TO 6868+50.00
STATION SJD-MER 36570+00.00 TO 36577+70.36
STATION SJD-MER 36579+20.40 TO 36625+20.00
STATION MER-FRE 14737+18.92 TO 14757+80.00

SUPERELEVATED

N/A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 5 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0024-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0024-B.dgn
29-OCT-2015 8:11
p0094480

NOTES:
1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.

SECTION G-G
THREE TRACKS AT GRADE
ONE TRACK ON AERIAL STRUCTURE

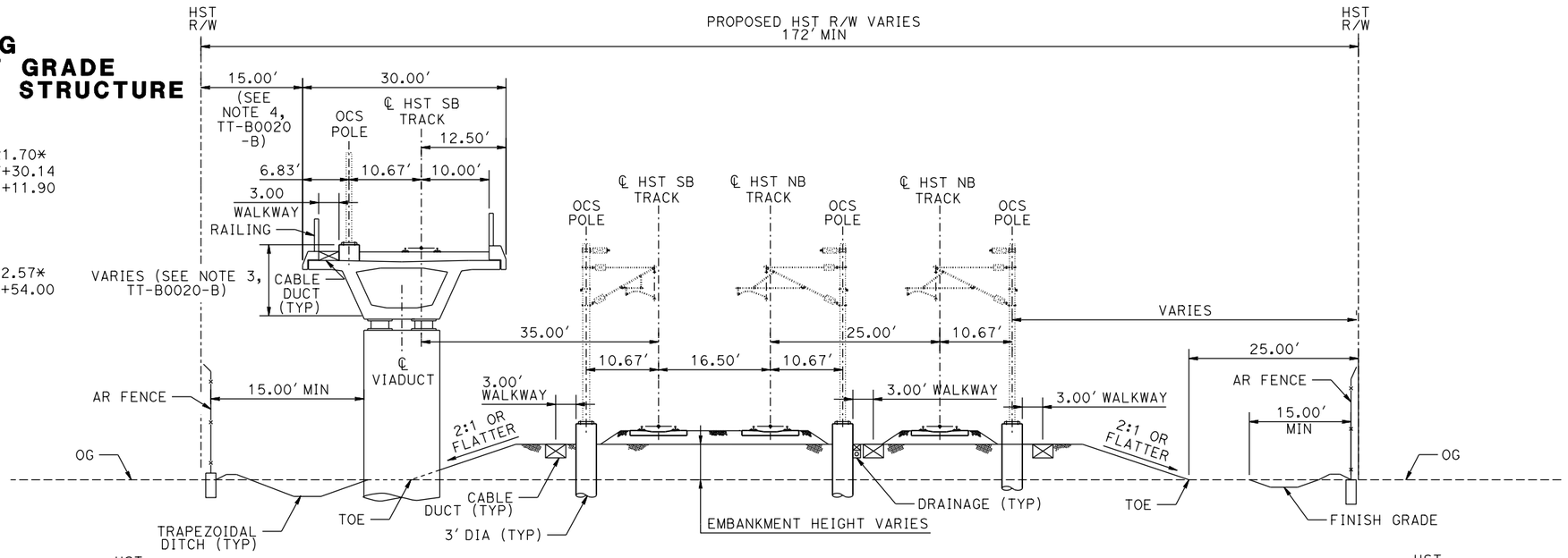
TANGENT

STATION SJD-FRE 6819+72.57 TO 6826+21.70*
STATION MER-FRE 14757+80.00 TO 14767+30.14
STATION MER-FRE 14958+52.25 TO 14934+11.90

SUPERELEVATED

STATION SJD-FRE 6809+48.29 TO 6819+72.57*
STATION MER-FRE 14767+30.14 TO 14774+54.00

* TYPICAL SECTIONS VIEWED IN THE DIRECTION OF DECREASING STATIONING



SECTION H-H

TANGENT

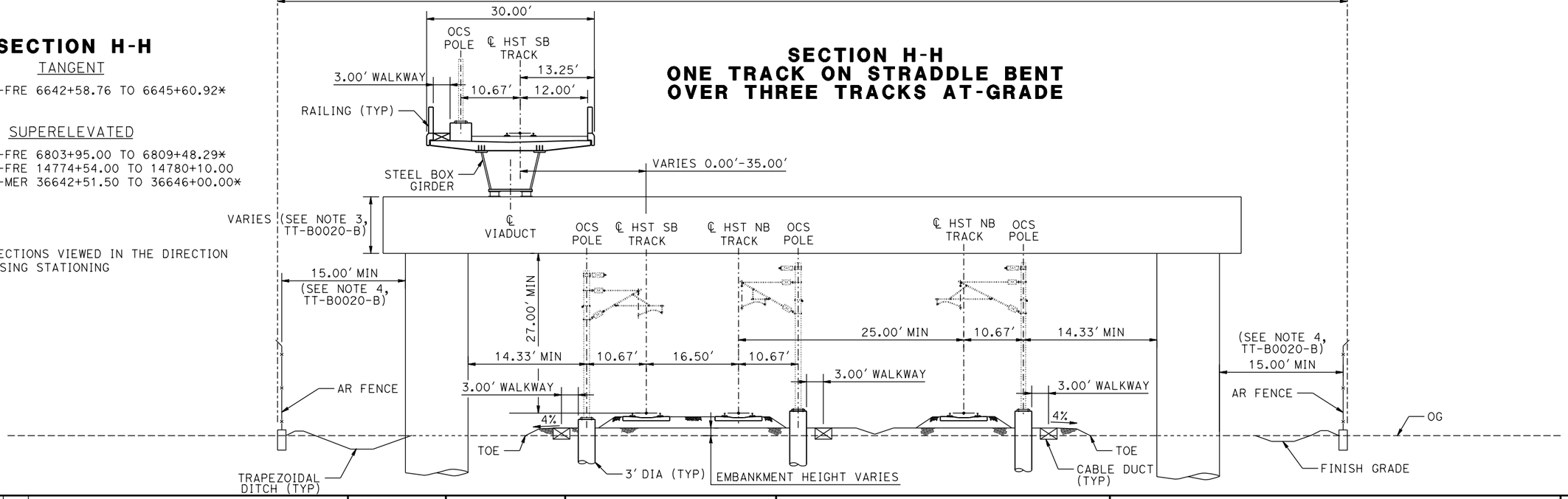
STATION SJD-FRE 6642+58.76 TO 6645+60.92*

SUPERELEVATED

STATION SJD-FRE 6803+95.00 TO 6809+48.29*
STATION MER-FRE 14774+54.00 TO 14780+10.00
STATION SJD-MER 36642+51.50 TO 36646+00.00*

* TYPICAL SECTIONS VIEWED IN THE DIRECTION OF DECREASING STATIONING

SECTION H-H
ONE TRACK ON STRADDLE BENT
OVER THREE TRACKS AT-GRADE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 6 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0025-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0025-B.dgn
03-MAR-2016 06:34
p0042226

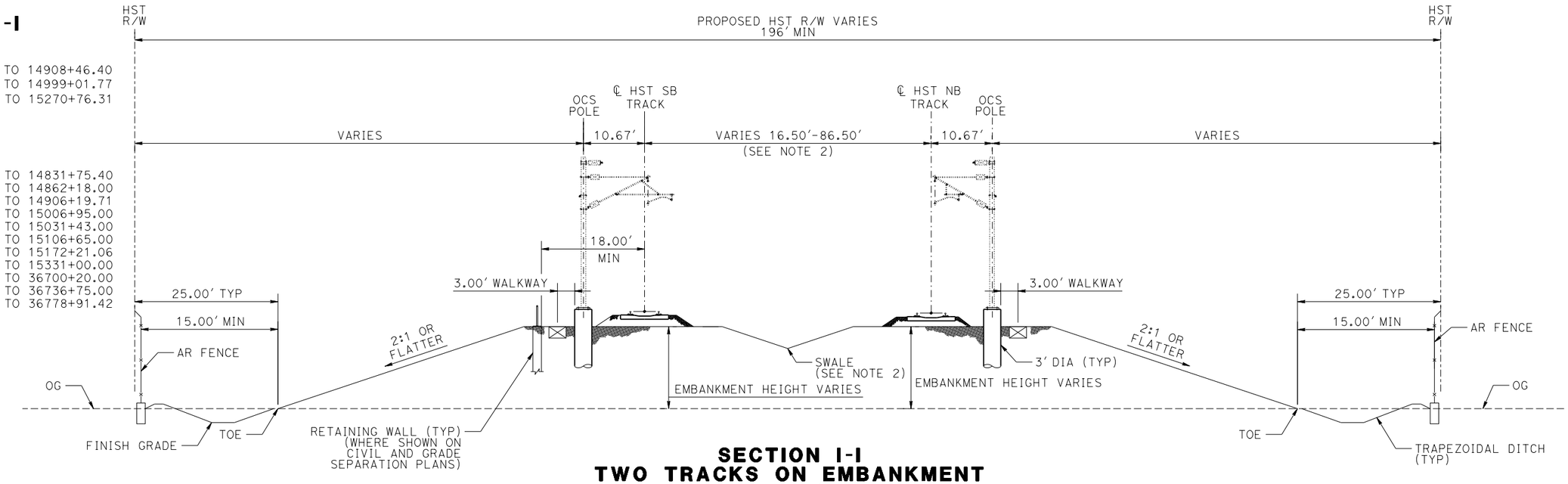
SECTION I-I

TANGENT

STATION MER-FRE 14906+19.71 TO 14908+46.40
STATION MER-FRE 14980+00.00 TO 14999+01.77
STATION MER-FRE 15172+21.06 TO 15270+76.31

SUPERELEVATED

STATION MER-FRE 14807+40.00 TO 14831+75.40
STATION MER-FRE 14834+15.40 TO 14862+18.00
STATION MER-FRE 14864+58.00 TO 14906+19.71
STATION MER-FRE 14999+01.77 TO 15006+95.00
STATION MER-FRE 15014+69.91 TO 15031+43.00
STATION MER-FRE 15035+54.98 TO 15106+65.00
STATION MER-FRE 15114+75.00 TO 15172+21.06
STATION MER-FRE 15270+76.31 TO 15331+00.00
STATION SJD-MER 36668+56.16 TO 36700+20.00
STATION SJD-MER 36713+50.00 TO 36736+75.00
STATION SJD-MER 36739+55.00 TO 36778+91.42



SECTION I-I
TWO TRACKS ON EMBANKMENT WITH WIDE TRACK CENTERS

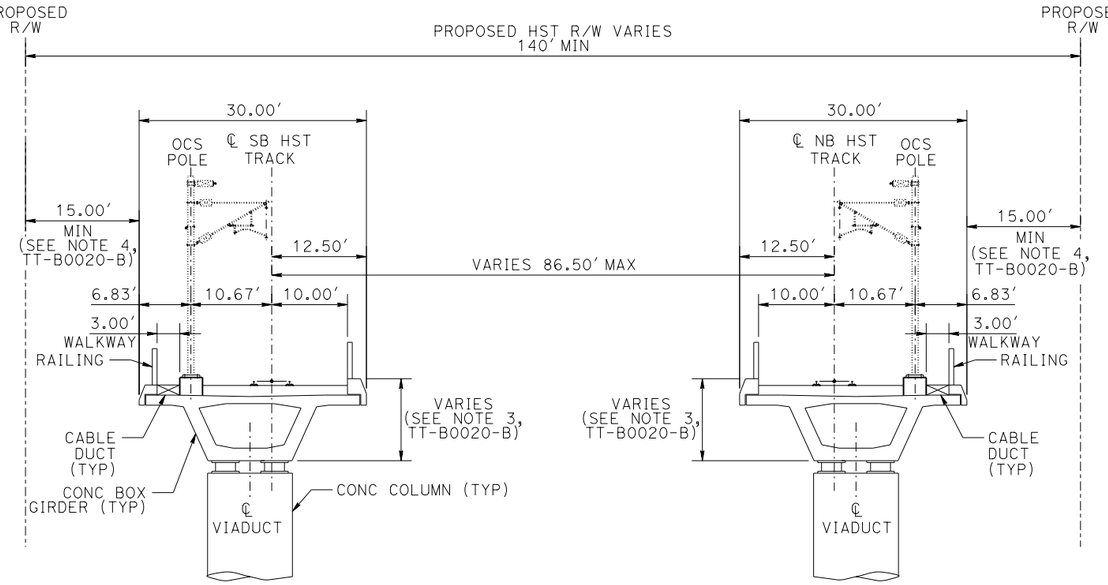
SECTION J-J

TANGENT

N/A

SUPERELEVATED

STATION MER-FRE 14831+75.40 TO 14834+15.40
STATION MER-FRE 14862+18.00 TO 14864+58.00
STATION MER-FRE 15106+65.00 TO 15114+75.00
STATION SJD-MER 36657+24.30 TO 36659+64.30
STATION SJD-MER 36700+20.00 TO 36713+50.00
STATION SJD-MER 36736+75.00 TO 36739+55.00



SECTION J-J
TWO TRACKS ON SINGLE TRACK AERIAL STRUCTURE WITH WIDE TRACK CENTERS

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.
2. CENTER SWALE REMOVED IF DISTANCE BETWEEN TRACKS IS LESS THAN 34'.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

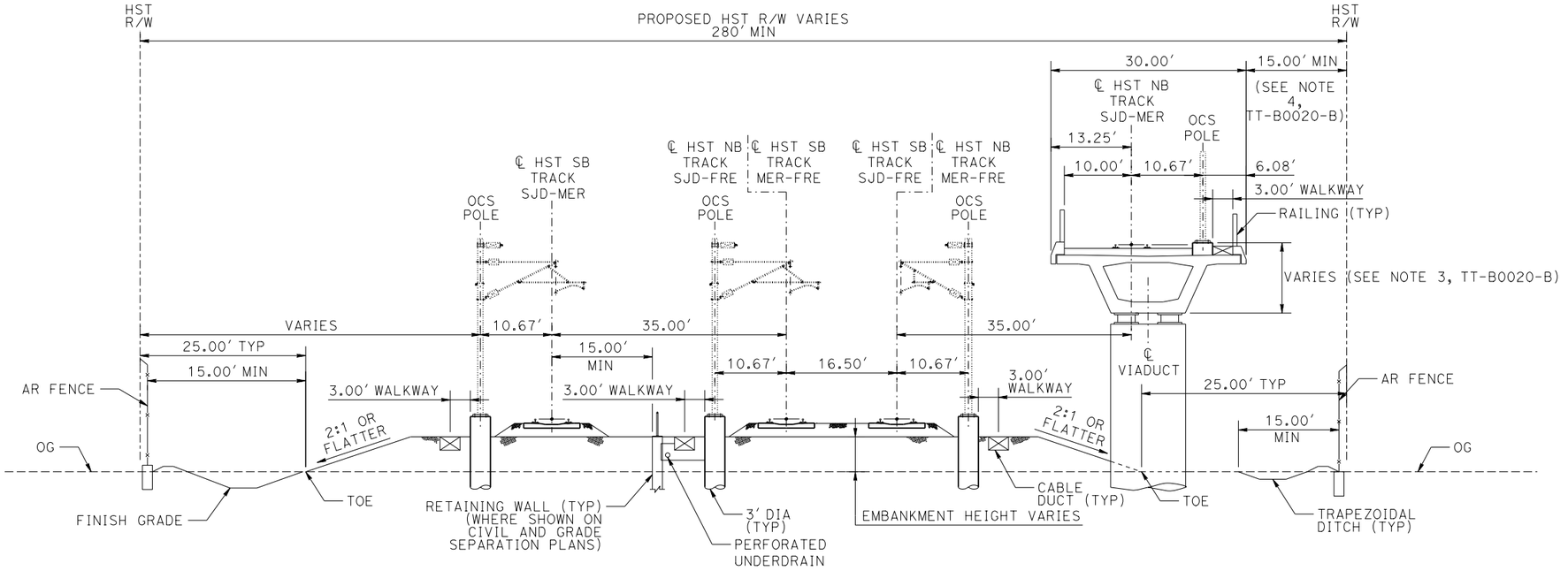
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 7 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0026-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0026-B.dgn
29-OCT-2015 8:11
p009448a

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.



SECTION K-K

TANGENT

STATION SJD-FRE 6625+19.60 TO 6642+20.00
STATION SJD-MER 36625+20.00 TO 36634+19.07
STATION SJD-MER 36804+28.07 TO 36811+40.11

SUPERELEVATED

STATION SJD-MER 36634+19.07 TO 36642+57.54
STATION SJD-MER 36795+77.67 TO 36804+28.07

SECTION K-K
THREE TRACKS AT GRADE
ONE TRACK ON AERIAL STRUCTURE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

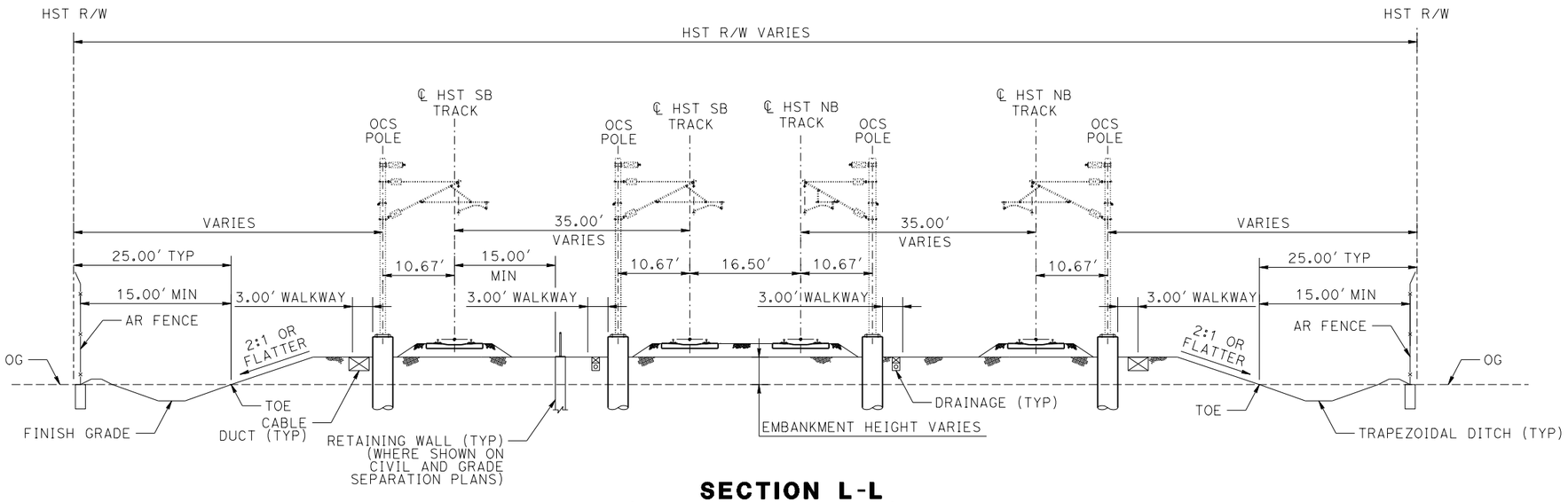
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 8 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0027-B
SCALE N.T.S.
SHEET NO.

29-OCT-2015 09:14 MF-TT-B0027-B.dgn p0051330

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.



SECTION L-L

TANGENT

STATION MER-FRE 14934+11.90 TO 14947+05.00
STATION MER-FRE 14956+95.00 TO 14969+01.00
STATION MER-FRE 14971+01.00 TO 14980+00.00
STATION SJD-MER 36811+40.14 TO 36824+33.24
STATION SJD-MER 36834+23.24 TO 36846+29.47
STATION SJD-MER 36848+29.55 TO 36857+28.64

SUPERELEVATED

N/A

SECTION L-L
FOUR TRACKS AT GRADE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: D. OLIVETI
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 9 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0028-B
SCALE N.T.S.
SHEET NO.

29-OCT-2015 8:12 MF-TT-B0028-B.dgn p0094480

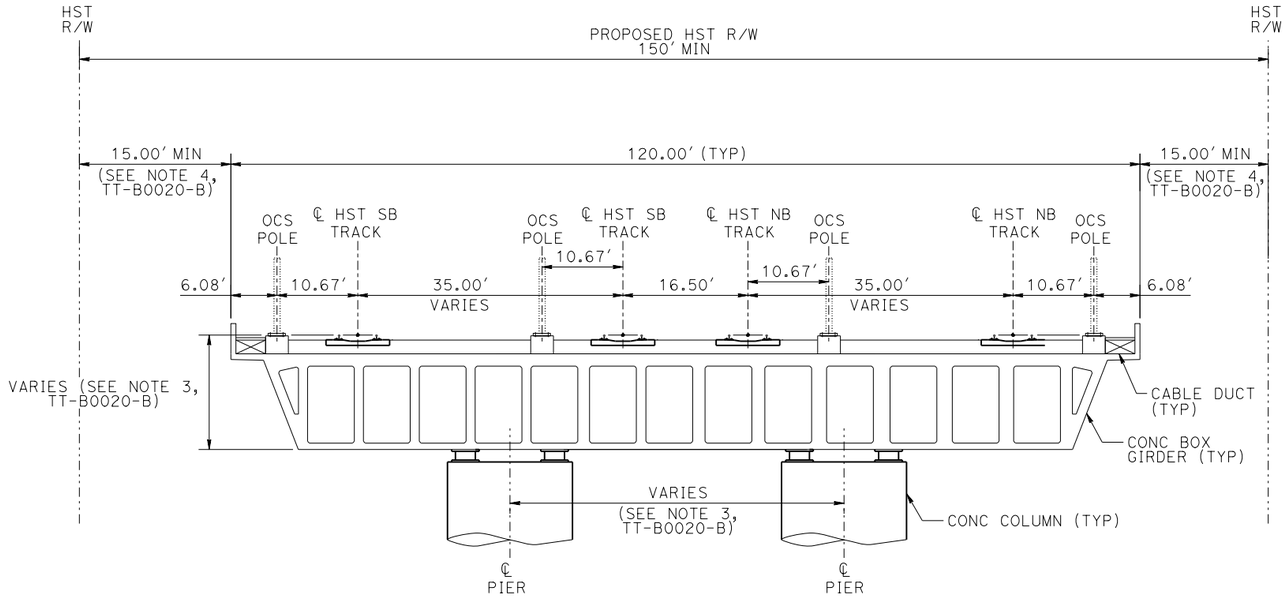
SECTION M-M

TANGENT

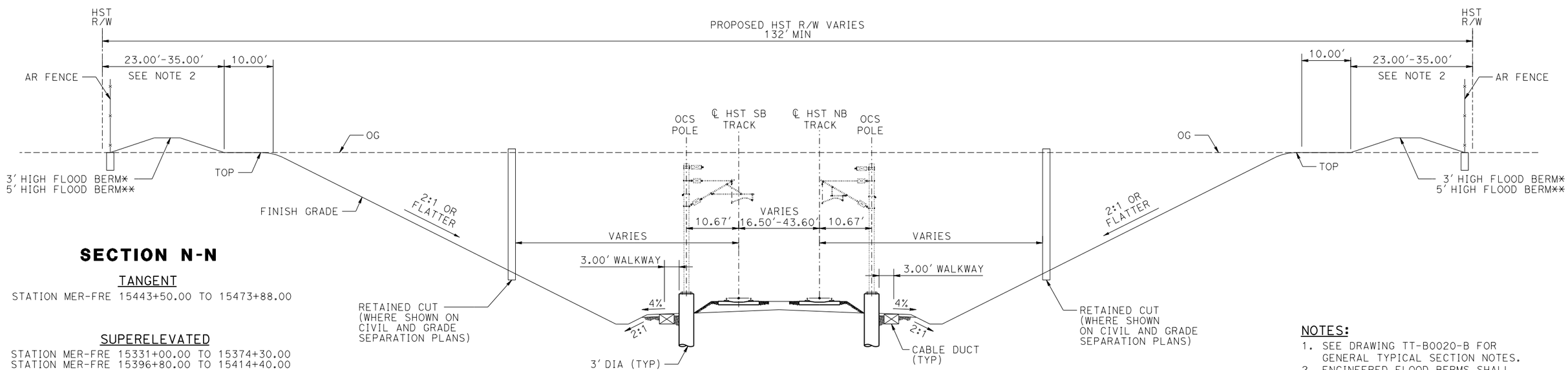
STATION MER-FRE 14947+05.00 TO 14956+95.00
STATION MER-FRE 14969+01.00 TO 14971+01.00
STATION SJD-MER 36577+70.36 TO 36579+20.40
STATION SJD-MER 36824+33.24 TO 36834+23.24
STATION SJD-MER 36846+29.47 TO 36848+29.55
STATION SJD-FRE 6577+70.30 TO 6579+20.30

SUPERELEVATED

N/A



SECTION M-M
FOUR TRACKS ON TWO AERIAL STRUCTURES



SECTION N-N

TANGENT

STATION MER-FRE 15443+50.00 TO 15473+88.00

SUPERELEVATED

STATION MER-FRE 15331+00.00 TO 15374+30.00
STATION MER-FRE 15396+80.00 TO 15414+40.00
STATION MER-FRE 15434+50.00 TO 15463+81.44
STATION MER-FRE 15475+68.00 TO 15499+00.00

*STATION MER-FRE 15435+00 TO 15655+00
**STATION MER-FRE 15375+00 TO 15435+00

SECTION N-N
TWO TRACKS IN CUT

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.
2. ENGINEERED FLOOD BERMS SHALL HAVE A TOP WITH OF 4' AND 3:1 SIDE SLOPES.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: D. OLIVETI
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 10 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0029-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0029-B.dgn
29-OCT-2015 09:35
p0051330

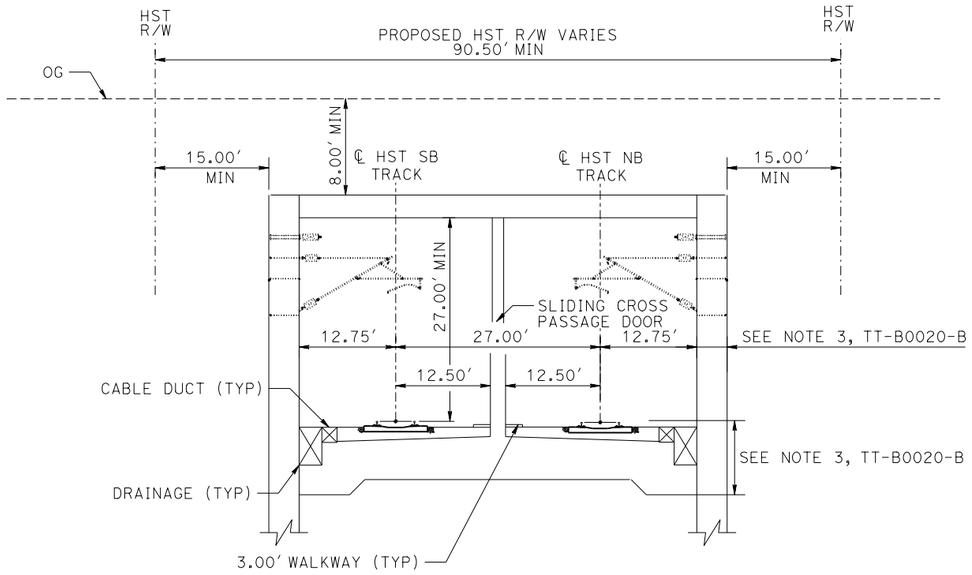
SECTION O-O

TANGENT

N/A

SUPERELEVATED

STATION MER-FRE 15374+30.02 TO 15396+79.94
STATION MER-FRE 15414+40.00 TO 15443+50.00
STATION MER-FRE 15473+88.00 TO 15475+68.00



SECTION O-O
TWO TRACKS IN CUT AND COVER TUNNEL WITH CENTER WALL

NOTES:

1. SEE DRAWING TT-B0020-B OR GENERAL TYPICAL SECTION NOTES.
2. INTRUSION PROTECTION BARRIER REQUIRED WHEN HORIZONTAL DISTANCE BETWEEN CENTERLINE OF FREIGHT TRACK AND NEAREST CENTERLINE OF HST TRACK IS LESS THAN 102'.

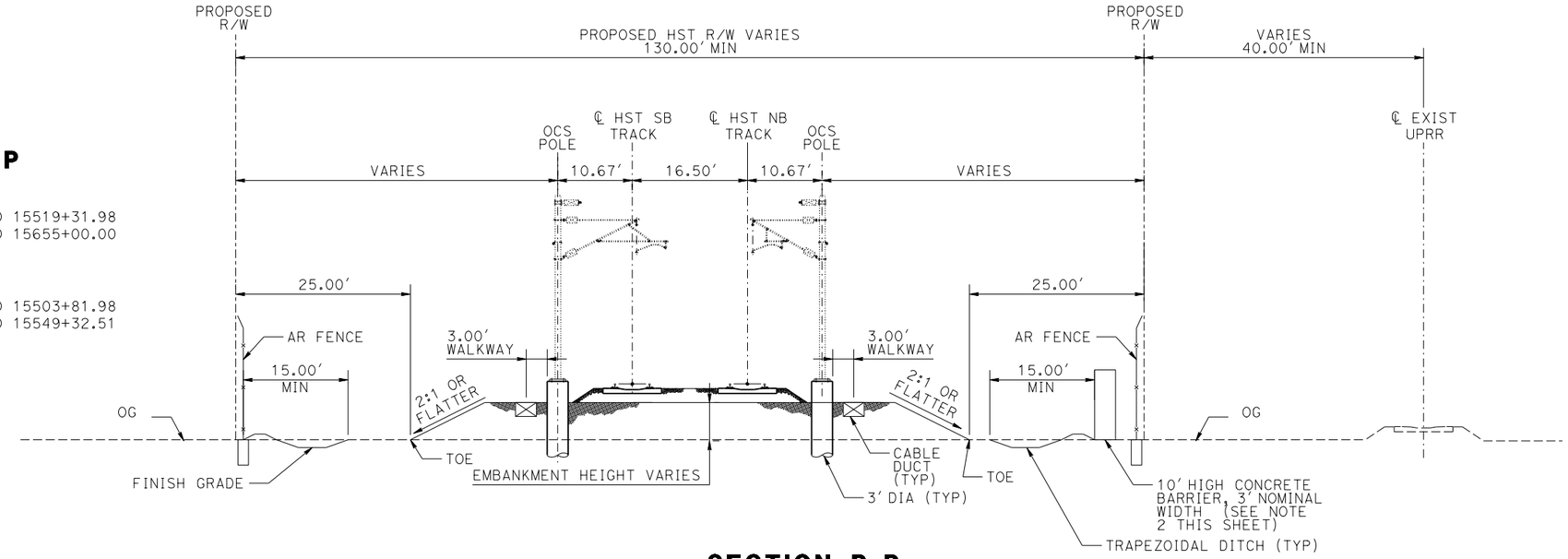
SECTION P-P

TANGENT

STATION MER-FRE 15503+81.98 TO 15519+31.98
STATION MER-FRE 15549+32.51 TO 15655+00.00

SUPERELEVATED

STATION MER-FRE 15499+00.00 TO 15503+81.98
STATION MER-FRE 15519+31.98 TO 15549+32.51



SECTION P-P
TWO TRACKS ON EMBANKMENT ADJACENT TO EXISTING UPRR

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 11 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0030-B
SCALE N.T.S.
SHEET NO.

29-OCT-2015 8:12 WF-TT-B0030-B.dgn
p0094480

SECTION Q-Q

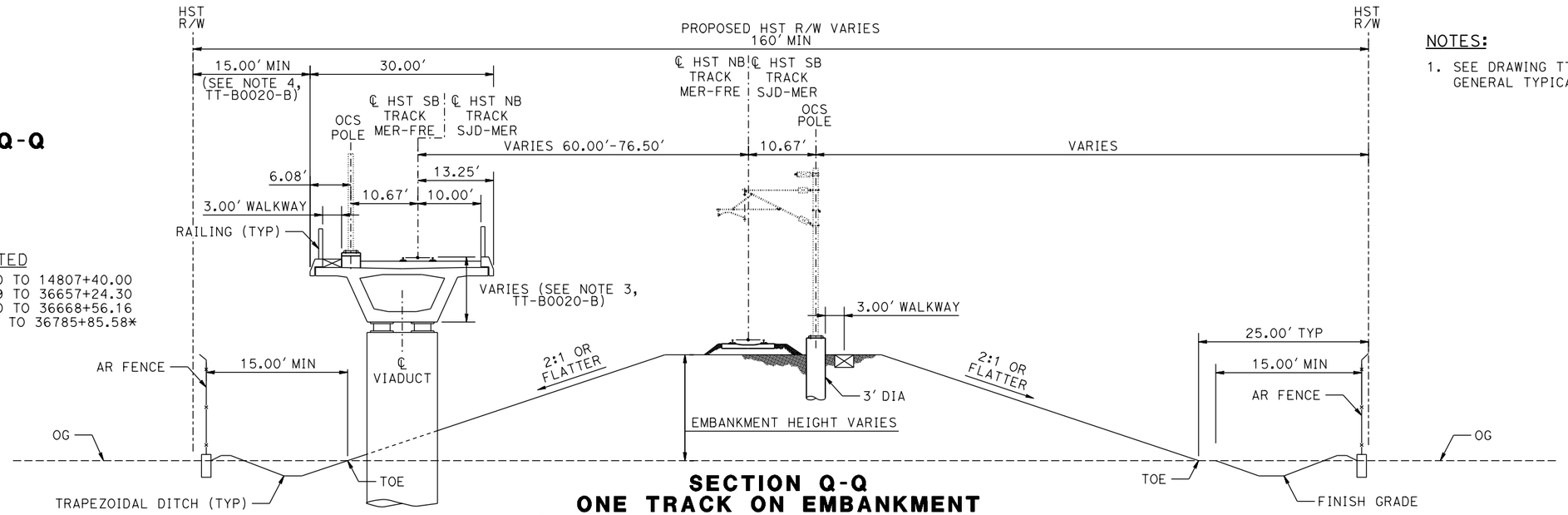
TANGENT

N/A

SUPERELEVATED

STATION MER-FRE 14783+66.00 TO 14807+40.00
STATION SJD-MER 36651+50.49 TO 36657+24.30
STATION SJD-MER 36659+64.30 TO 36668+56.16
STATION SJD-MER 36778+91.42 TO 36785+85.58*

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING



SECTION Q-Q
ONE TRACK ON EMBANKMENT
ONE TRACK ON AERIAL STRUCTURE
WITH WIDE TRACK CENTERS

SECTION R-R

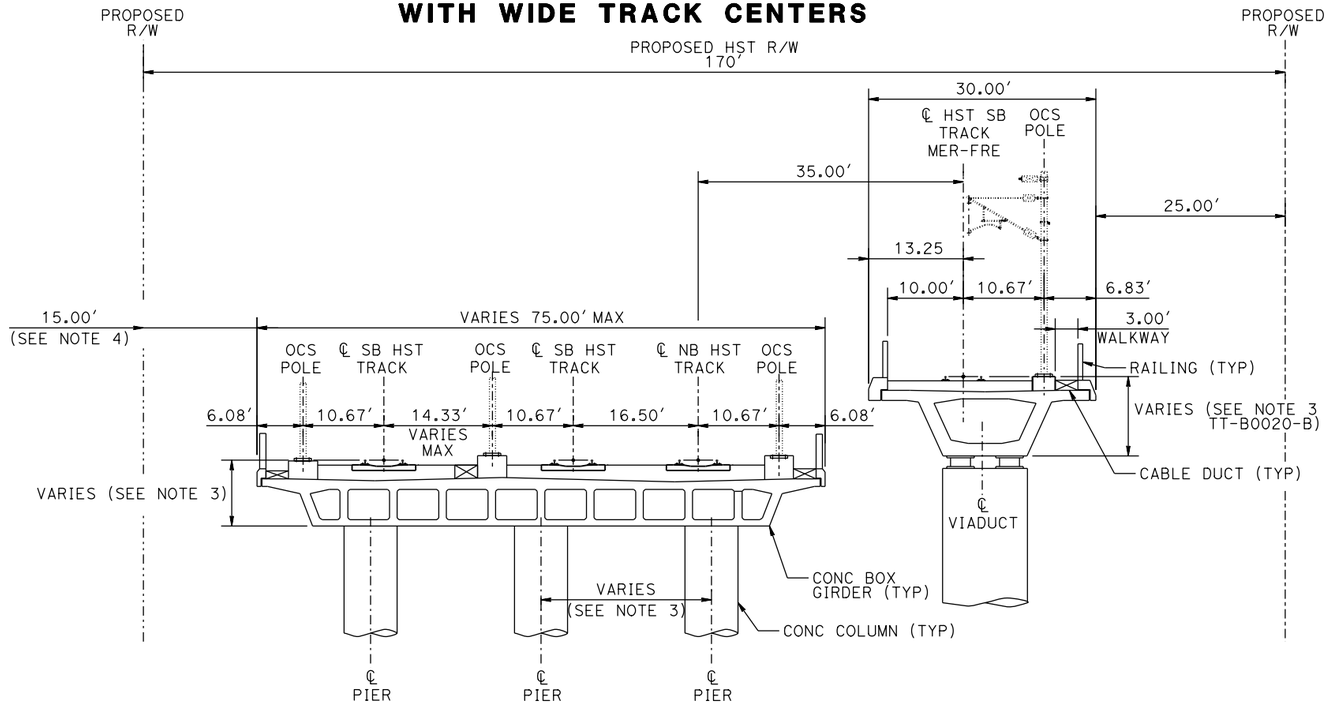
TANGENT

STATION SJD-FRE 6819+72.57 TO 6820+90+75
STATION MER-FRE 14763+10.95 TO 14766+00.96*

SUPERELEVATED

STATION SJD-FRE 6818+00.75 TO 6819+72.57

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING



SECTION R-R
FOUR TRACKS ON TWO AERIAL STRUCTURES

NOTES:

1. SEE DRAWING TT-B0020-B FOR GENERAL TYPICAL SECTION NOTES.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY D. OLIVETI
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 12 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0031-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0031-B.dgn
03-MAR-2016 06:34
p0042226

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	5338+00.00	1858051.11	6509106.39		13,071.16							S 89°46'01" E		
	TANGENT	TS	5468+71.16	1857997.95	6522177.45											
	CLOTHOID	TS	5468+71.16	1857997.95	6522177.45											
	CLOTHOID	SPI	5479+71.18	1857993.48	6523277.46		1,650.00	1°03'02"	824.99	2.52					S 89°46'01" E	S 88°43'00" E
	CLOTHOID	SC	5485+21.16	1857981.16	6523827.34											
152 N-19	ARC	SC	5485+21.16	1857981.16	6523827.34											
SJD-FRE	ARC	PI	5543+57.71	1857850.43	6529662.42	45,000.00	11,608.30	14°46'49"			250.00	3.75	1.81		S 88°43'00" E	S 73°56'11" E
1 SB	ARC	CC		1812992.45	6522819.41											
	ARC	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	SPI	5606+79.48	1856083.24	6535799.63		1,650.00	1°03'02"	824.99	2.52					S 73°56'11" E	S 72°53'10" E
	CLOTHOID	ST	5617+79.46	1855759.53	6536850.94											
	TANGENT	ST	5617+79.46	1855759.53	6536850.94		1,471.20							S 72°53'10" E		
	TANGENT	TS	5632+50.67	1855326.60	6538257.00											
	CLOTHOID	TS	5632+50.67	1855326.60	6538257.00											
	CLOTHOID	SPI	5642+84.02	1855022.51	6539244.60		1,550.00	0°59'11"	774.99	2.22					S 72°53'10" E	S 73°52'21" E
	CLOTHOID	SC	5648+00.67	1854878.99	6539740.94											
152 N-19	ARC	SC	5648+00.67	1854878.99	6539740.94											
SJD-FRE	ARC	PI	5706+82.43	1853245.16	6545391.23	45,016.50	11,697.26	14°53'17"			250.00	3.75	1.80		S 73°52'21" E	S 88°45'37" E
2 SB	ARC	CC		1898123.88	6552245.52											
	ARC	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	SPI	5770+14.60	1853106.74	6551788.17		1,550.00	0°59'11"	774.99	2.22					S 88°45'37" E	S 89°44'48" E
	CLOTHOID	ST	5780+47.92	1853102.17	6552821.51											
	TANGENT	ST	5780+47.92	1853102.17	6552821.51		21,750.44							S 89°44'48" E		
	TANGENT	TS	5997+98.36	1853006.03	6574571.74											
	CLOTHOID	TS	5997+98.36	1853006.03	6574571.74											
	CLOTHOID	SPI	6005+65.03	1853002.64	6575338.40		1,150.00	0°04'56"	575	0.14					S 89°44'48" E	S 89°49'45" E
	CLOTHOID	SC	6009+48.36	1853001.49	6575721.73											
152 N-19	ARC	SC	6009+48.36	1853001.49	6575721.73											
SJD-FRE	ARC	PI	6015+60.56	1852999.67	6576333.93	400,016.50	1,224.40	0°10'31"			250.00	0.50	0.12		S 89°49'45" E	N 89°59'44" E
3 SB	ARC	CC		2253016.21	6576914.92											
	ARC	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	SPI	6025+56.10	1852999.75	6577329.46		1,150.00	0°04'56"	575	0.14					N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.76	1853000.91	6578096.13											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	6033+22.76	1853000.91	6578096.13		26,147.41							N 89°54'47" E		
	TANGENT	TS	6294+70.18	1853040.53	6604243.51											
	CLOTHOID	TS	6294+70.18	1853040.53	6604243.51											
	CLOTHOID	SPI	6302+36.85	1853041.69	6605010.18		1,150.00	0°04'56"	575	0.14					N 89°54'47" E	N 89°49'51" E
	CLOTHOID	SC	6306+20.18	1853042.83	6605393.51											
152 N-19	ARC	SC	6306+20.18	1853042.83	6605393.51											
SJD-FRE	ARC	PI	6314+61.49	1853045.31	6606234.82	400,016.50	1,682.62	0°14'28"			250.00	0.50	0.12		N 89°49'51" E	N 89°35'23" E
4 SB	ARC	CC		2253057.58	6604212.31											
	ARC	CS	6323+02.80	1853051.33	6607076.11											
	CLOTHOID	CS	6323+02.80	1853051.33	6607076.11											
	CLOTHOID	SPI	6326+86.13	1853054.08	6607459.43		1,150.00	0°04'56"	575	0.14					N 89°35'23" E	N 89°30'27" E
	CLOTHOID	ST	6334+52.80	1853060.67	6608226.07											
	TANGENT	ST	6334+52.80	1853060.67	6608226.07		18,992.35							N 89°30'27" E		
	TANGENT	TS	6524+45.15	1853223.94	6627217.72											
	CLOTHOID	TS	6524+45.15	1853223.94	6627217.72											
	CLOTHOID	SPI	6532+45.15	1853230.82	6628017.69		1,200.00	0°26'00"	600	0.76					N 89°30'27" E	N 89°04'26" E
	CLOTHOID	SC	6536+45.15	1853237.28	6628417.64											
152 N-19	ARC	SC	6536+45.15	1853237.28	6628417.64											
SJD-FRE	ARC	PI	6543+60.21	1853248.84	6629132.61	79,310.00	1,430.09	1°01'59"			250.00	2.00	1.15		N 89°04'26" E	N 88°02'27" E
5 SB	ARC	CC		1932536.92	6627135.89											
	ARC	CS	6550+75.24	1853273.28	6629847.26											
	CLOTHOID	CS	6550+75.24	1853273.28	6629847.26											
	CLOTHOID	SPI	6554+75.24	1853286.96	6630247.03		1,200.00	0°26'00"	600	0.76					N 88°02'27" E	N 87°36'27" E
	CLOTHOID	ST	6562+75.24	1853320.36	6631046.33											
	TANGENT	ST	6562+75.24	1853320.36	6631046.33		12,979.69							N 87°36'27" E		
	TANGENT	TS	6692+54.93	1853862.22	6644014.71											
	CLOTHOID	TS	6692+54.93	1853862.22	6644014.71											
	CLOTHOID	SPI	6705+88.35	1853917.88	6645346.96		2,000.00	2°00'12"	999.96	5.83					N 87°36'27" E	N 89°36'39" E
	CLOTHOID	SC	6712+54.93	1853922.41	6646013.69											
152 N-19	ARC	SC	6712+54.93	1853922.41	6646013.69											
SJD-FRE	ARC	PI	6756+47.81	1853952.26	6650406.48	28,600.00	8,717.64	17°27'52"			250.00	6.00	2.74		N 89°36'39" E	S 72°55'29" E
6 SB	ARC	CC		1825323.07	6646208.00											
	ARC	CS	6799+72.57	1852662.39	6654605.72											
	CLOTHOID	CS	6799+72.57	1852662.39	6654605.72											
	CLOTHOID	SPI	6806+39.31	1852466.61	6655243.08		2,000.00	2°00'12"	999.96	5.83					S 72°55'29" E	S 70°55'17" E
	CLOTHOID	ST	6819+72.57	1852030.77	6656503.25											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 2 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0051-B
SCALE N.T.S.
SHEET NO.

28-OCT-2015 09:34 MF-TT-B0051-B.dgn p0051133a

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	6819+72.57	1852030.77	6656503.25		5,574.15							S 70°55'17" E		
	TANGENT	TS	6875+46.72	1850208.77	6661771.22											
	CLOTHOID	TS	6875+46.72	1850208.77	6661771.22											
	CLOTHOID	SPI	6888+80.14	1849772.93	6663031.40		2,000.00	2°00'12"	999.96	5.83					S 70°55'17" E	S 68°55'05" E
	CLOTHOID	SC	6895+46.72	1849533.10	6663653.52											
152 N-19	ARC	SC	6895+46.72	1849533.10	6663653.52											
SJD-FRE	ARC	PI	6952+07.97	1847496.73	6668935.84	28,600.00	11,178.00	22°23'36"			250.00	6.00	2.74		S 68°55'05" E	S 46°31'29" E
7 SB	ARC	CC		1822847.38	6653366.03											
	ARC	CS	7007+24.72	1843601.55	6673044.05											
	CLOTHOID	CS	7007+24.72	1843601.55	6673044.05											
	CLOTHOID	SPI	7013+91.47	1843142.80	6673527.88		2,000.00	2°00'12"	999.96	5.83					S 46°31'29" E	S 44°31'17" E
	CLOTHOID	ST	7027+24.72	1842192.09	6674462.84											
	TANGENT	ST	7027+24.72	1842192.09	6674462.84		14,234.45							S 44°31'17" E		
	TANGENT	POE	7169+59.17	1832043.07	6684443.67											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	5338+00.00	1858067.61	6509106.46		13,071.16							S 89°46'01" E		
	TANGENT	TS	5468+71.16	1858014.45	6522177.51											
	CLOTHOID	TS	5468+71.16	1858014.45	6522177.51											
	CLOTHOID	SPI	5479+71.18	1858009.98	6523277.52		1,650.00	1°03'00"	824.99	2.52					S 89°46'01" E	S 88°43'01" E
	CLOTHOID	SC	5485+21.16	1857997.66	6523827.40											
152 N-19	ARC	SC	5485+21.16	1857997.66	6523827.40											
SJD-FRE	ARC	PI	5543+60.16	1857866.92	6529664.94	45,016.50	11,613.16	14°46'51"			250.00	3.75	1.80		S 88°43'01" E	S 73°56'10" E
1 NB	ARC	CC		1812992.45	6522819.41											
	ARC	CS	5601+34.33	1856251.21	6535275.95											
	CLOTHOID	CS	5601+34.33	1856251.21	6535275.95											
	CLOTHOID	SPI	5606+84.34	1856099.01	6535804.49		1,650.00	1°03'00"	824.99	2.52					S 73°56'10" E	S 72°53'10" E
	CLOTHOID	ST	5617+84.33	1855775.30	6536855.80											
	TANGENT	ST	5617+84.33	1855775.30	6536855.80		1,471.20							S 72°53'10" E		
	TANGENT	TS	5632+55.53	1855342.37	6538261.86											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
SB & NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 3 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0052-B
SCALE N.T.S.
SHEET NO.

28-OCT-2015 11:13
MF-TT-B0052-B.dgn
p0051330

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	CLOTHOID	TS	5632+55.53	1855342.37	6538261.86											
	CLOTHOID	SPI	5642+88.88	1855038.28	6539249.45		1,550.00	0°59'12"	774.99	2.22					S 72°53'10" E	S 73°52'22" E
	CLOTHOID	SC	5648+05.53	1854894.76	6539745.80											
152 N-19	ARC	SC	5648+05.53	1854894.76	6539745.80											
SJD-FRE	ARC	PI	5706+84.84	1853261.65	6545393.75	45,000.00	11,692.40	14°53'14"			250.00	3.75	1.81		S 73°52'22" E	S 88°45'36" E
2 NB	ARC	CC		1898123.88	6552245.52											
	ARC	CS	5764+97.93	1853134.42	6551271.69											
	CLOTHOID	CS	5764+97.93	1853134.42	6551271.69											
	CLOTHOID	SPI	5770+14.61	1853123.24	6551788.25		1,550.00	0°59'12"	774.99	2.22					S 88°45'36" E	S 89°44'48" E
	CLOTHOID	ST	5780+47.93	1853118.67	6552821.59											
	TANGENT	ST	5780+47.93	1853118.67	6552821.59		21,750.39							S 89°44'48" E		
	TANGENT	TS	5997+98.32	1853022.53	6574571.76											
	CLOTHOID	TS	5997+98.32	1853022.53	6574571.76											
	CLOTHOID	SPI	6005+64.98	1853019.14	6575338.42		1,150.00	0°04'57"	575	0.14					S 89°44'48" E	S 89°49'45" E
	CLOTHOID	SC	6009+48.32	1853017.99	6575721.75											
152 N-19	ARC	SC	6009+48.32	1853017.99	6575721.75											
SJD-FRE	ARC	PI	6015+60.47	1853016.17	6576333.90	400,000.00	1,224.31	0°10'31"			250.00	0.50	0.13		S 89°49'45" E	N 89°59'44" E
3 NB	ARC	CC		2253016.21	6576914.88											
	ARC	CS	6021+72.63	1853016.22	6576946.06											
	CLOTHOID	CS	6021+72.63	1853016.22	6576946.06											
	CLOTHOID	SPI	6025+55.96	1853016.25	6577329.39		1,150.00	0°04'57"	575	0.14					N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.63	1853017.41	6578096.06											
	TANGENT	ST	6033+22.63	1853017.41	6578096.06		26,147.46							N 89°54'47" E		
	TANGENT	TS	6294+70.09	1853057.03	6604243.49											
	CLOTHOID	TS	6294+70.09	1853057.03	6604243.49											
	CLOTHOID	SPI	6302+36.75	1853058.19	6605010.16		1,150.00	0°04'57"	575	0.14					N 89°54'47" E	N 89°49'51" E
	CLOTHOID	SC	6306+20.09	1853059.33	6605393.49											
152 N-19	ARC	SC	6306+20.09	1853059.33	6605393.49											
SJD-FRE	ARC	PI	6314+61.34	1853061.81	6606234.74	400,000.00	1,682.50	0°14'28"			250.00	0.50	0.13		N 89°49'51" E	N 89°35'23" E
4 NB	ARC	CC		2253057.58	6604212.31											
	ARC	CS	6323+02.59	1853067.83	6607075.97											
	CLOTHOID	CS	6323+02.59	1853067.83	6607075.97											
	CLOTHOID	SPI	6326+85.92	1853070.58	6607459.29		1,150.00	0°04'57"	575	0.14					N 89°35'23" E	N 89°30'27" E
	CLOTHOID	ST	6334+52.59	1853077.17	6608225.93											
	TANGENT	ST	6334+52.59	1853077.17	6608225.93		18,992.35							N 89°30'27" E		
	TANGENT	TS	6524+44.94	1853240.44	6627217.57											

28-OCT-2015 09:35 WF-TT-B0053-B.dgn

p0051133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 4 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0053-B
SCALE N.T.S.
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO (SJD-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	CLOTHOID	TS	6524+44.94	1853240.44	6627217.57											
	CLOTHOID	SPI	6532+44.94	1853247.32	6628017.55		1,200.00	0°26'01"	600	0.76					N 89°30'27" E	N 89°04'26" E
	CLOTHOID	SC	6536+44.94	1853253.78	6628417.50											
152 N-19	ARC	SC	6536+44.94	1853253.78	6628417.50											
SJD-FRE	ARC	PI	6543+59.73	1853265.33	6629132.20	79,293.50	1,429.55	1°01'59"			250.00	2.00	1.15		N 89°04'26" E	N 88°02'27" E
5 NB	ARC	CC		1932536.92	6627135.89											
	ARC	CS	6550+74.48	1853289.77	6629846.57											
	CLOTHOID	CS	6550+74.48	1853289.77	6629846.57											
	CLOTHOID	SPI	6554+74.48	1853303.44	6630246.34		1,200.00	0°26'01"	600	0.76					N 88°02'27" E	N 87°36'27" E
	CLOTHOID	ST	6562+74.48	1853336.84	6631045.64											
	TANGENT	ST	6562+74.48	1853336.84	6631045.64		12,979.69							N 87°36'27" E		
	TANGENT	TS	6692+54.17	1853878.70	6644014.02											
	CLOTHOID	TS	6692+54.17	1853878.70	6644014.02											
	CLOTHOID	SPI	6705+87.59	1853934.37	6645346.28		2,000.00	2°00'08"	999.96	5.82					N 87°36'27" E	N 89°36'35" E
	CLOTHOID	SC	6712+54.17	1853938.91	6646013.00											
152 N-19	ARC	SC	6712+54.17	1853938.91	6646013.00											
SJD-FRE	ARC	PI	6756+50.18	1853968.86	6650408.91	28,616.50	8,723.82	17°28'00"			250.00	6.00	2.74		N 89°36'35" E	S 72°55'25" E
6 NB	ARC	CC		1825323.07	6646208.00											
	ARC	CS	6799+78.00	1852677.99	6654611.12											
	CLOTHOID	CS	6799+78.00	1852677.99	6654611.12											
	CLOTHOID	SPI	6806+44.74	1852482.21	6655248.47		2,000.00	2°00'08"	999.96	5.82					S 72°55'25" E	S 70°55'17" E
	CLOTHOID	ST	6819+78.00	1852046.36	6656508.65											
	TANGENT	ST	6819+78.00	1852046.36	6656508.65		5,574.15							S 70°55'17" E		
	TANGENT	TS	6875+52.15	1850224.37	6661776.62											
	CLOTHOID	TS	6875+52.15	1850224.37	6661776.62											
	CLOTHOID	SPI	6888+85.57	1849788.52	6663036.79		2,000.00	2°00'08"	999.96	5.82					S 70°55'17" E	S 68°55'09" E
	CLOTHOID	SC	6895+52.15	1849548.70	6663658.92											
152 N-19	ARC	SC	6895+52.15	1849548.70	6663658.92											
SJD-FRE	ARC	PI	6952+17.27	1847511.05	6668944.89	28,616.50	11,185.60	22°23'45"			250.00	6.00	2.74		S 68°55'09" E	S 46°31'25" E
7 SB	ARC	CC		1822847.38	6653366.03											
	ARC	CS	7007+37.75	1843613.13	6673055.82											
	CLOTHOID	CS	7007+37.75	1843613.13	6673055.82											
	CLOTHOID	SPI	7014+04.50	1843154.37	6673539.65		2,000.00	2°00'08"	999.96	5.82					S 46°31'25" E	S 44°31'17" E
	CLOTHOID	ST	7027+37.75	1842203.66	6674474.61											
	TANGENT	ST	7027+37.75	1842203.66	6674474.61		14,234.45							S 44°31'17" E		
	TANGENT	POE	7169+59.17	1832054.64	6684455.44											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 5 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0054-B
SCALE N.T.S.
SHEET NO.

28-OCT-2015 11:13 WF-TT-B0054-B.dgn p0051330

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK MERCED TO FRESNO (MER-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	14737+18.92	1851111.82	6659053.15		3,011.22							N 70°55'17" W		
	TANGENT	TS	14767+30.14	1852096.08	6656207.33											
	CLOTHOID	TS	14767+30.14	1852096.08	6656207.33											
	CLOTHOID	SPI	14775+30.29	1852357.62	6655451.14		1,200.00	3°20'15"	599.93	5.82					N 70°55'17" W	N 67°35'02" W
	CLOTHOID	SC	14779+30.14	1852510.20	6655081.25											
152 N-19	ARC	SC	14779+30.14	1852510.20	6655081.25											
MER-FRE	ARC	PI	14843+55.42	1854960.36	6649141.47	10,300.00	11,489.56	63°54'47"			150.00	6.00	2.74		N 67°35'02" W	N 3°40'15" W
1 SB	ARC	CC		1862031.91	6659008.96											
	ARC	CS	14894+19.71	1861372.46	6648730.10											
	CLOTHOID	CS	14894+19.71	1861372.46	6648730.10											
	CLOTHOID	SPI	14898+19.83	1861771.76	6648704.48		1,200.00	3°20'15"	599.93	5.82					N 3°40'15" W	N 0°20'00" W
	CLOTHOID	ST	14906+19.71	1862571.89	6648699.82											
	TANGENT	ST	14906+19.71	1862571.89	6648699.82		9,282.06							N 0°20'00" W		
	TANGENT	TS	14999+01.77	1871853.80	6648645.84											
	CLOTHOID	TS	14999+01.77	1871853.80	6648645.84											
	CLOTHOID	SPI	15007+01.91	1872653.93	6648641.18		1,200.00	3°20'15"	599.93	5.82					N 0°20'00" W	N 3°40'15" W
	CLOTHOID	SC	15011+01.77	1873053.24	6648615.56											
152 N-19	ARC	SC	15011+01.77	1873053.24	6648615.56											
MER-FRE	ARC	PI	15102+13.08	1882145.85	6648032.21	10,300.00	14,919.30	82°59'29"			150.00	6.00	2.74		N 3°40'15" W	N 86°39'45" W
2 SB	ARC	CC		1872393.78	6638336.70											
	ARC	CS	15160+21.06	1882676.31	6638936.36											
	CLOTHOID	CS	15160+21.06	1882676.31	6638936.36											
	CLOTHOID	SPI	15164+21.19	1882699.60	6638536.90		1,200.00	3°20'15"	599.93	5.82					N 86°39'45" W	S 90°00'00" W
	CLOTHOID	ST	15172+21.06	1882699.60	6637736.76											
	TANGENT	ST	15172+21.06	1882699.60	6637736.76		9,855.25							S 90°00'00" W		
	TANGENT	TS	15270+76.31	1882699.60	6627881.52											
	CLOTHOID	TS	15270+76.31	1882699.60	6627881.52											
	CLOTHOID	SPI	15282+23.07	1882699.60	6626734.76		1,720.00	2°13'19"	859.96	5.56					S 90°00'00" W	N 87°46'41" W
	CLOTHOID	SC	15287+96.31	1882721.83	6626161.77											
152 N-19	ARC	SC	15287+96.31	1882721.83	6626161.77											
MER-FRE	ARC	PI	15370+85.45	1883043.20	6617878.87	22,177.00	15,865.13	40°59'19"			220.00	6.00	2.73		N 87°46'41" W	N 46°47'22" W
3 SB	ARC	CC		1904882.16	6627021.56											
	ARC	CS	15446+61.44	1888718.61	6611837.39											
	CLOTHOID	CS	15446+61.44	1888718.61	6611837.39											
	CLOTHOID	SPI	15452+34.86	1889111.21	6611419.46		1,720.00	2°13'19"	859.96	5.56					N 46°47'22" W	N 44°34'03" W
	CLOTHOID	ST	15463+81.44	1889928.19	6610614.72											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
SB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 6 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0055-B
SCALE N.T.S.
SHEET NO.

28-OCT-2015 09:35 MF-TT-B0055-B.dgn p0051330

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK MERCED TO FRESNO (MER-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	15463+81.44	1889928.19	6610614.72		1,000.00							N 44°34'03" W		
	TANGENT	TS	15473+81.44	1890640.61	6609912.97											
	CLOTHOID	TS	15473+81.44	1890640.61	6609912.97										N 44°34'03" W	N 44°32'05" W
	CLOTHOID	SPI	15480+48.11	1891115.56	6609445.14		1,000.00	0°01'59"	500	0.05						
	CLOTHOID	SC	15483+81.44	1891353.17	6609211.36											
152 N-19	ARC	SC	15483+81.44	1891353.17	6609211.36											
MER-FRE	ARC	PI	15488+81.71	1891709.77	6608860.50	867,000.00	1,000.54	0°03'58"			220.00	0.25	0.00		N 44°32'05" W	N 44°28'06" W
4 SB	ARC	CC		2499414.67	7227232.57											
	ARC	CS	15493+81.98	1892066.78	6608510.06											
	CLOTHOID	CS	15493+81.98	1892066.78	6608510.06											
	CLOTHOID	SPI	15497+15.31	1892304.66	6608276.55		1,000.00	0°01'59"	500	0.05					N 44°28'06" W	N 44°26'08" W
	CLOTHOID	ST	15503+81.98	1892780.69	6607809.81											
	TANGENT	ST	15503+81.98	1892780.69	6607809.81		1,550.00							N 44°26'08" W		
	TANGENT	TS	15519+31.98	1893887.45	6606724.65											
	CLOTHOID	TS	15519+31.98	1893887.45	6606724.65											
	CLOTHOID	SPI	15525+98.65	1894363.48	6606257.91		1,000.00	0°01'59"	500	0.05					N 44°26'08" W	N 44°28'06" W
	CLOTHOID	SC	15529+31.98	1894601.36	6606024.41											
152 N-19	ARC	SC	15529+31.98	1894601.36	6606024.41											
MER-FRE	ARC	PI	15534+32.25	1894958.36	6605673.96	867,000.00	1,000.54	0°03'58"			220.00	0.25	0.00		N 44°28'06" W	N 44°32'05" W
5 SB	ARC	CC		1287253.47	5987301.89											
	ARC	CS	15539+32.51	1895314.97	6605323.11											
	CLOTHOID	CS	15539+32.51	1895314.97	6605323.11											
	CLOTHOID	SPI	15542+65.85	1895552.58	6605089.33		1,000.00	0°01'59"	500	0.05					N 44°32'05" W	N 44°34'03" W
	CLOTHOID	ST	15549+32.51	1896027.53	6604621.49											
	TANGENT	ST	15549+32.51	1896027.53	6604621.49		10,567.48							N 44°34'03" W		
	TANGENT	POE	15655+00.00	1903556.04	6597205.75											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK MERCED TO FRESNO (MER-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	24734+58.58	1851084.63	6659365.80		3,325.05							N 70°55'17" W		
	TANGENT	TS	24767+83.63	1852171.47	6656223.40											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
SB & NB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 7 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0056-B
SCALE N.T.S.
SHEET NO.

MF-TT-B0056-B.dgn
03-MAR-2016 06:34
p0042226

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK MERCED TO FRESNO (MER-FRE)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	CLOTHOID	TS	24767+83.63	1852171.47	6656223.40											
	CLOTHOID	SPI	24775+83.77	1852433.01	6655467.20		1,200.00	3°20'15"	599.93	5.82					N 70°55'17" W	N 67°35'02" W
	CLOTHOID	SC	24779+83.63	1852585.59	6655097.31											
152 N-19 MER-FRE 1 NB	ARC	SC	24779+83.63	1852585.59	6655097.31											
	ARC	PI	24844+08.91	1855035.75	6649157.54	10,300.00	11,489.56	63°54'47"			150.00	6.00	2.74		N 67°35'02" W	N 3°40'15" W
	ARC	CC		1862107.30	6659025.02											
	ARC	CS	24894+73.19	1861447.85	6648746.16											
	CLOTHOID	CS	24894+73.19	1861447.85	6648746.16											
	CLOTHOID	SPI	24898+73.32	1861847.16	6648720.54		1,200.00	3°20'15"	599.93	5.82					N 3°40'15" W	N 0°20'00" W
	CLOTHOID	ST	24906+73.19	1862647.28	6648715.88											
	TANGENT	ST	24906+73.19	1862647.28	6648715.88		9,233.67							N 0°20'00" W		
	TANGENT	TS	24999+06.86	1871880.80	6648662.18											
	CLOTHOID	TS	24999+06.86	1871880.80	6648662.18											
	CLOTHOID	SPI	25007+07.00	1872680.93	6648657.52		1,200.00	3°20'15"	599.93	5.82					N 0°20'00" W	N 3°40'15" W
	CLOTHOID	SC	25011+06.86	1873080.24	6648631.91											
152 N-19 MER-FRE 2 NB	ARC	SC	25011+06.86	1873080.24	6648631.91											
	ARC	PI	25102+18.17	1882172.85	6648048.56	10,300.00	14,919.30	82°59'29"			150.00	6.00	2.74		N 3°40'15" W	N 86°39'45" W
	ARC	CC		1872420.78	6638353.04											
	ARC	CS	25160+26.15	1882703.31	6638952.70											
	CLOTHOID	CS	25160+26.15	1882703.31	6638952.70											
	CLOTHOID	SPI	25164+26.28	1882726.60	6638553.25		1,200.00	3°20'15"	599.93	5.82					N 86°39'45" W	S 90°00'00" W
	CLOTHOID	ST	25172+26.15	1882726.60	6637753.11											
	TANGENT	ST	25172+26.15	1882726.60	6637753.11		9,871.59							S 90°00'00" W		
	TANGENT	TS	25270+97.74	1882726.60	6627881.52											
	CLOTHOID	TS	25270+97.74	1882726.60	6627881.52											
	CLOTHOID	SPI	25282+44.50	1882726.60	6626734.76		1,720.00	2°13'28"	859.96	5.56					S 90°00'00" W	N 87°46'32" W
	CLOTHOID	SC	25288+17.74	1882748.86	6626161.78											
152 N-19 MER-FRE 3 NB	ARC	SC	25288+17.74	1882748.86	6626161.78											
	ARC	PI	25370+95.59	1883070.18	6617890.17	22,150.00	15,843.72	40°59'00"			220.00	6.00	2.74		N 87°46'32" W	N 46°47'32" W
	ARC	CC		1904882.17	6627021.56											
	ARC	CS	25446+61.46	1888737.58	6611856.64											
	CLOTHOID	CS	25446+61.46	1888737.58	6611856.64											
	CLOTHOID	SPI	25452+34.88	1889130.16	6611438.69		1,720.00	2°13'28"	859.96	5.56					N 46°47'32" W	N 44°34'03" W
	CLOTHOID	ST	25463+81.46	1889947.14	6610633.96											
	TANGENT	ST	25463+81.46	1889947.14	6610633.96		19,118.54							N 44°34'03" W		
	TANGENT	POE	25655+00.00	1903567.62	6597217.51											

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28-OCT-2015 09:36
p0051133a

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 8 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0057-B
SCALE N.T.S.
SHEET NO.

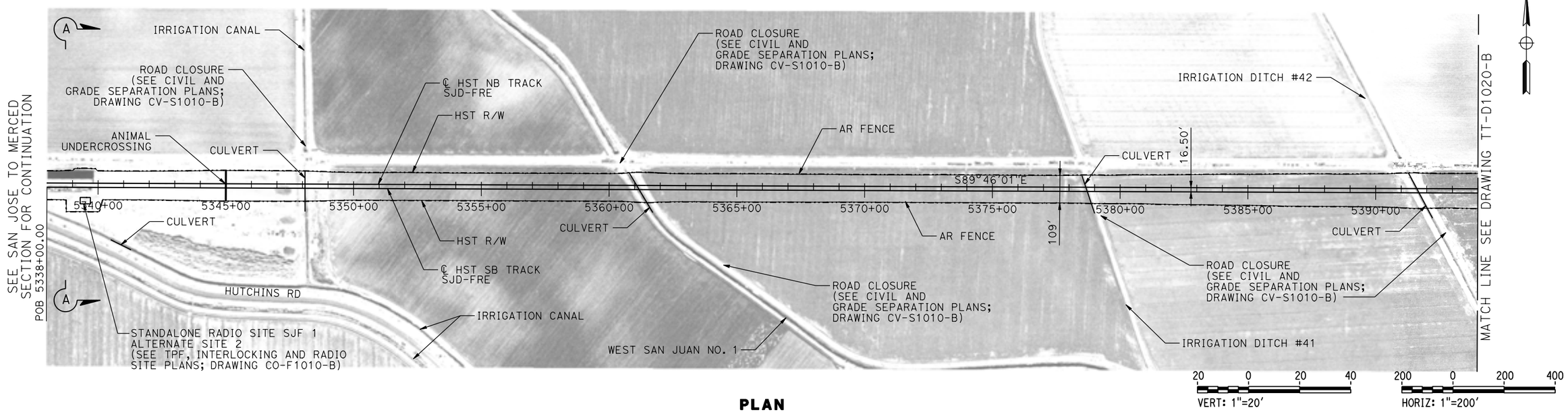
TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - SOUTHBOUND TRACK SAN JOSE TO MERCED (SJD-MER)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	36591+67.62	1853492.54	6633933.64		4251.45							N 87°36'27" E		
	TANGENT	TS	36634+19.07	1853670.03	6638181.39											
	CLOTHOID	TS	36634+19.07	1853670.03	6638181.39											
	CLOTHOID	SPI	36642+19.22	1853703.43	6638980.83		1,200.00	3°20'15"	599.93	5.82					N 87°36'27" E	N 84°16'11" E
	CLOTHOID	SC	36646+19.07	1853743.38	6639378.96											
152 N-19	ARC	SC	36646+19.07	1853743.38	6639378.96											
SJD-MER	ARC	PI	36734+57.45	1854625.84	6648173.17	10,300.00	14,608.99	81°15'55"			150.00	6.00	2.74		N 84°16'11" E	N 3°00'16" E
1 SB	ARC	CC		1863991.91	6638350.56											
	ARC	CS	36792+28.07	1863452.07	6648636.41											
	CLOTHOID	CS	36792+28.07	1863452.07	6648636.41											
	CLOTHOID	SPI	36796+28.20	1863851.65	6648657.38		1,200.00	3°20'15"	599.93	5.82					N 3°00'16" E	N 0°20'00" W
	CLOTHOID	ST	36804+28.07	1864651.78	6648652.73											
	TANGENT	ST	36804+28.07	1864651.78	6648652.73		3132.95							N 0°20'00" W		
	TANGENT	TS	36835+61.02	1867784.67	6648634.50											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR 152 (NORTH) TO ROAD 19 REFINED WYE - NORTHBOUND TRACK SAN JOSE TO MERCED (SJD-MER)

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA △	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	46591+67.62	1853406.12	6633937.25		4251.50							N 87°36'27" E		
	TANGENT	TS	46634+19.12	1853583.60	6638185.05											
	CLOTHOID	TS	46634+19.12	1853583.60	6638185.05											
	CLOTHOID	SPI	46642+19.26	1853617.01	6638984.49		1,200.00	3°18'35"	599.93	5.78					N 87°36'27" E	N 84°17'51" E
	CLOTHOID	SC	46646+19.12	1853656.76	6639382.64											
152 N-19	ARC	SC	46646+19.12	1853656.76	6639382.64											
SJD-MER	ARC	PI	46735+40.47	1854543.21	6648259.84	10,386.50	14,741.76	81°19'16"			150.00	6.00	2.67		N 84°17'51" E	N 2°58'36" E
1 NB	ARC	CC		1863991.86	6638350.61											
	ARC	CS	46793+60.88	1863452.52	6648723.10											
	CLOTHOID	CS	46793+60.88	1863452.52	6648723.10											
	CLOTHOID	SPI	46797+61.01	1863852.11	6648743.88		1,200.00	3°18'35"	599.93	5.78					N 2°58'36" E	N 0°20'00" W
	CLOTHOID	ST	46805+60.88	1864652.24	6648739.22											
	TANGENT	ST	46805+60.88	1864652.24	6648739.22		3133.01							N 0°20'00" W		
	TANGENT	TS	46836+93.89	1867785.19	6648721.00											

MERCED COUNTY



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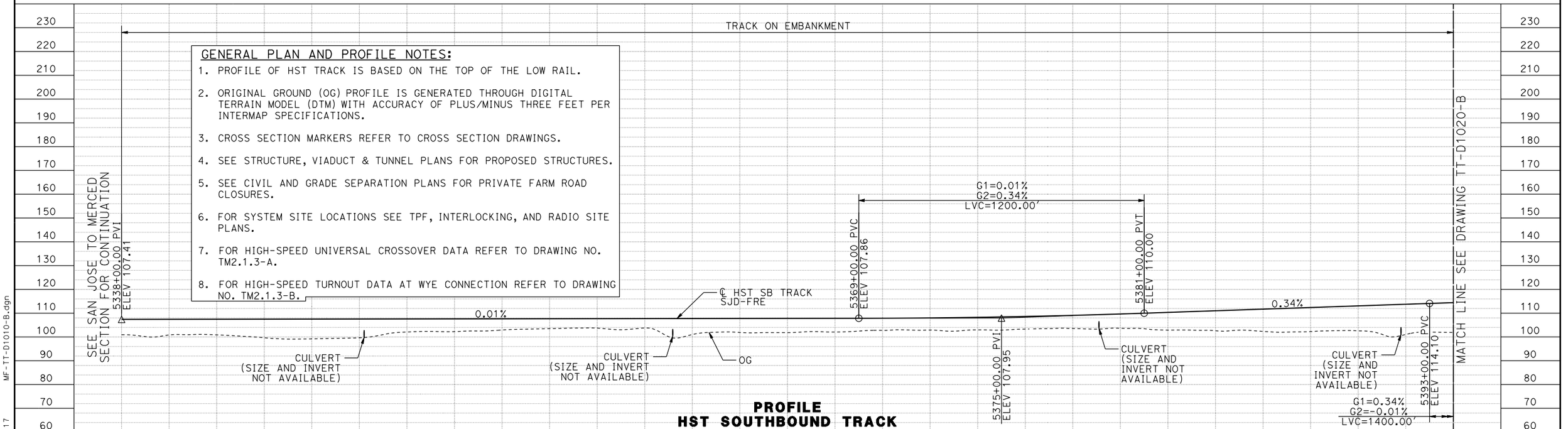


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

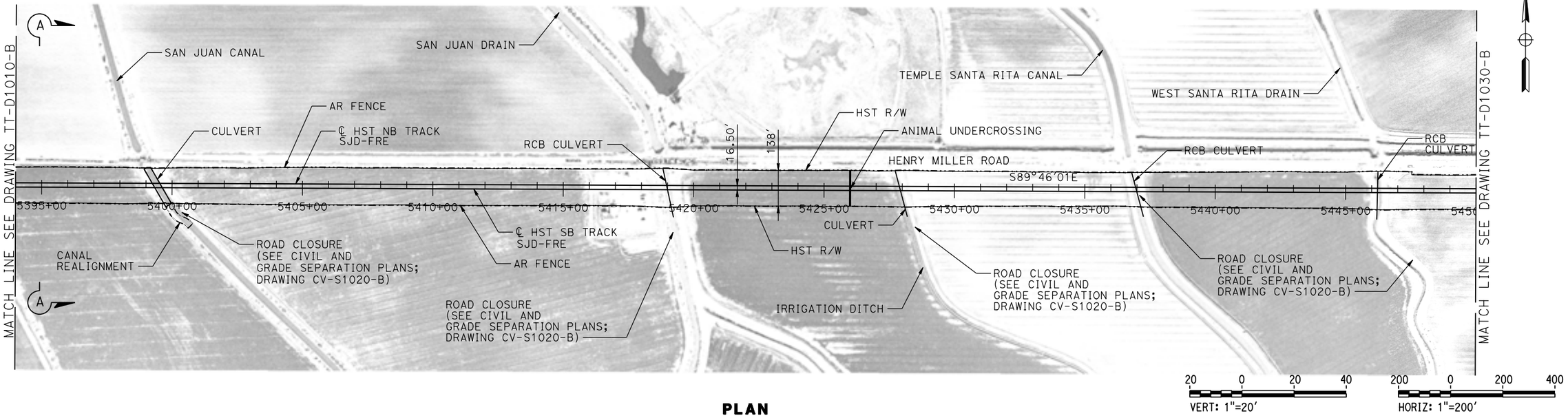
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

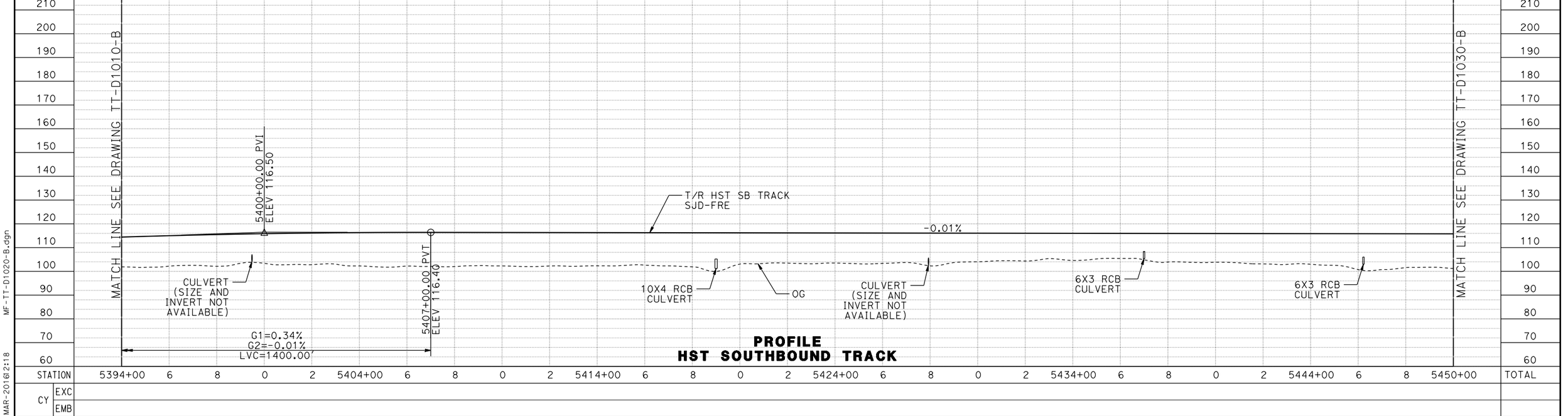
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1010-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1010-B.dgn
08-MAR-2016 2:17
p0042226

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

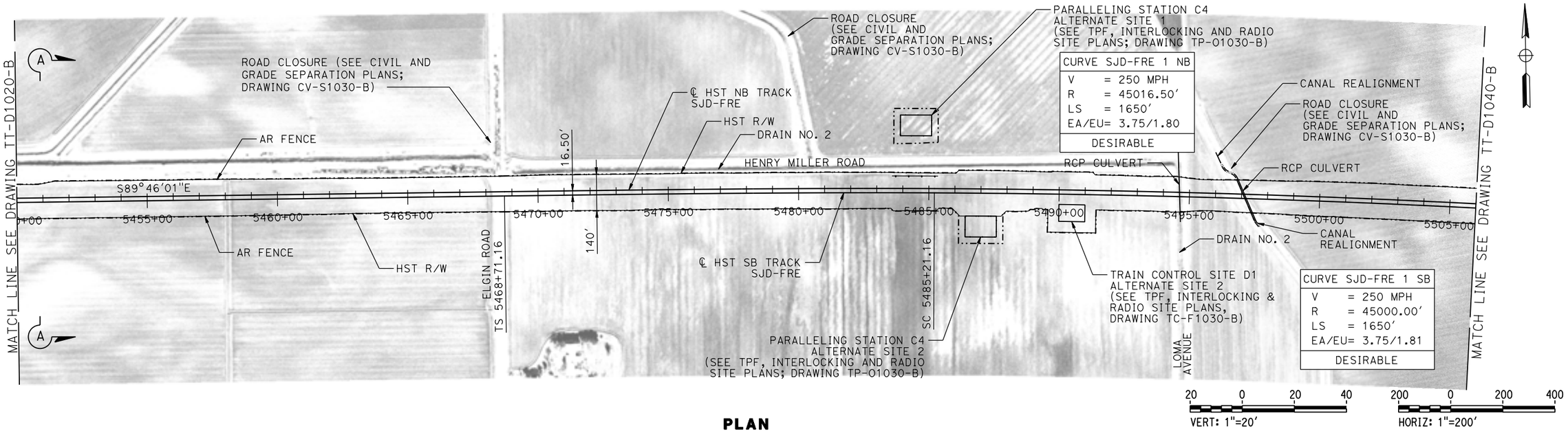
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5394+00 TO 5450+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1020-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1020-B.dgn
08-MAR-2016 12:18
p0042226

MERCED COUNTY



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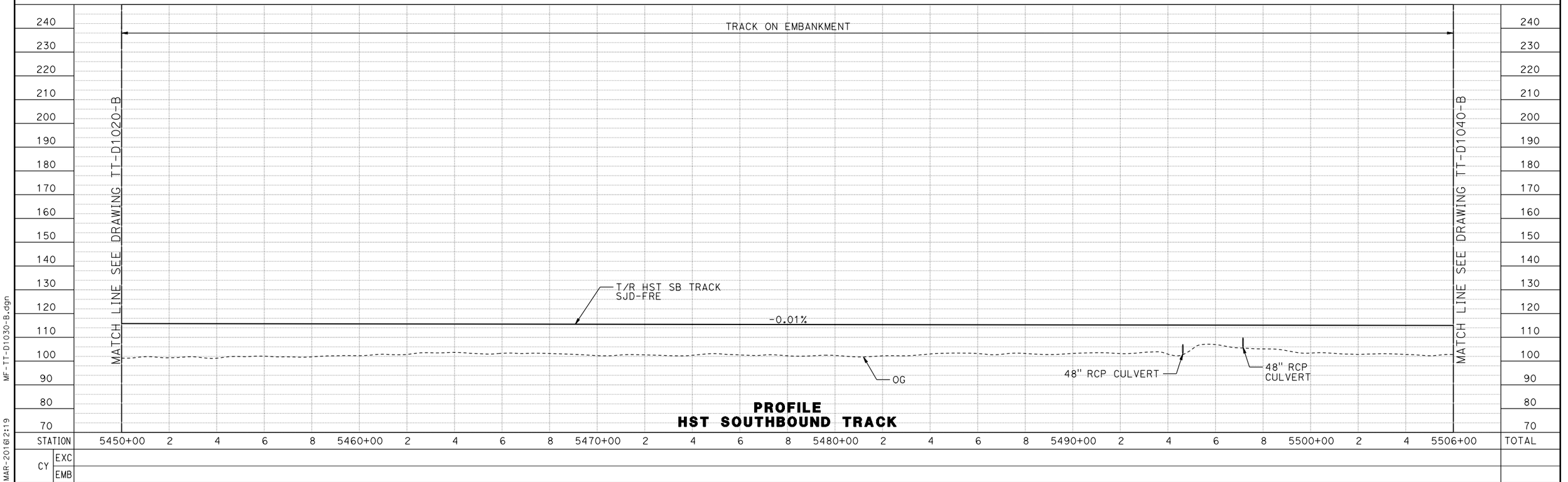


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

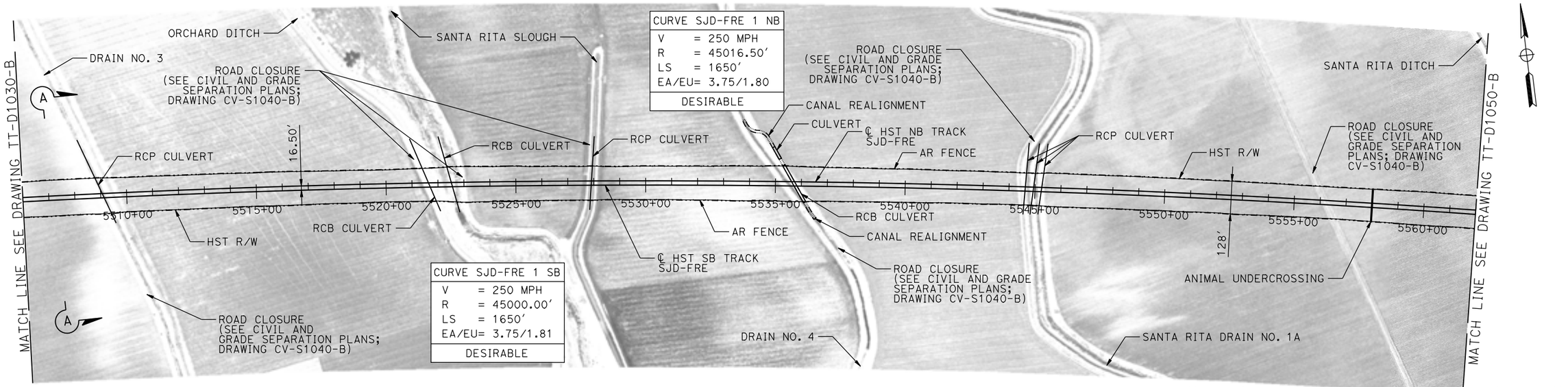
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5450+00 TO 5506+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1030-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1030-B.dgn
08-MAR-2016 12:19
p0042226

MERCED COUNTY



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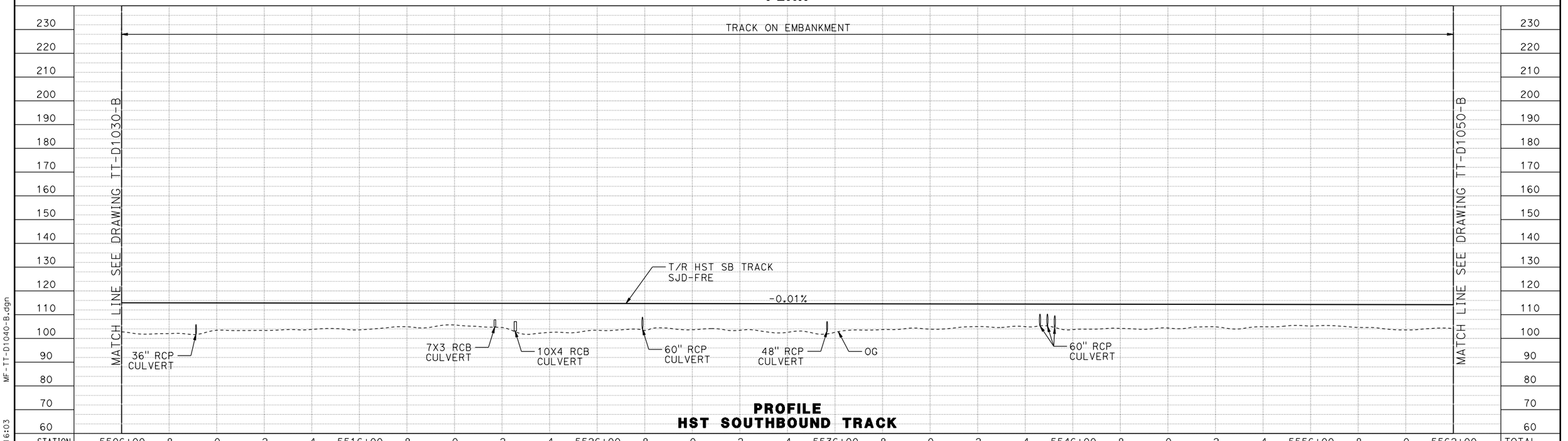


PROFILE
HST SOUTHBOUND TRACK

STATION	5506+00	8	0	2	4	5516+00	8	0	2	4	5526+00	8	0	2	4	5536+00	8	0	2	4	5546+00	8	0	2	4	5556+00	8	0	5562+00	TOTAL
CY EXC																													
CY EMB																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

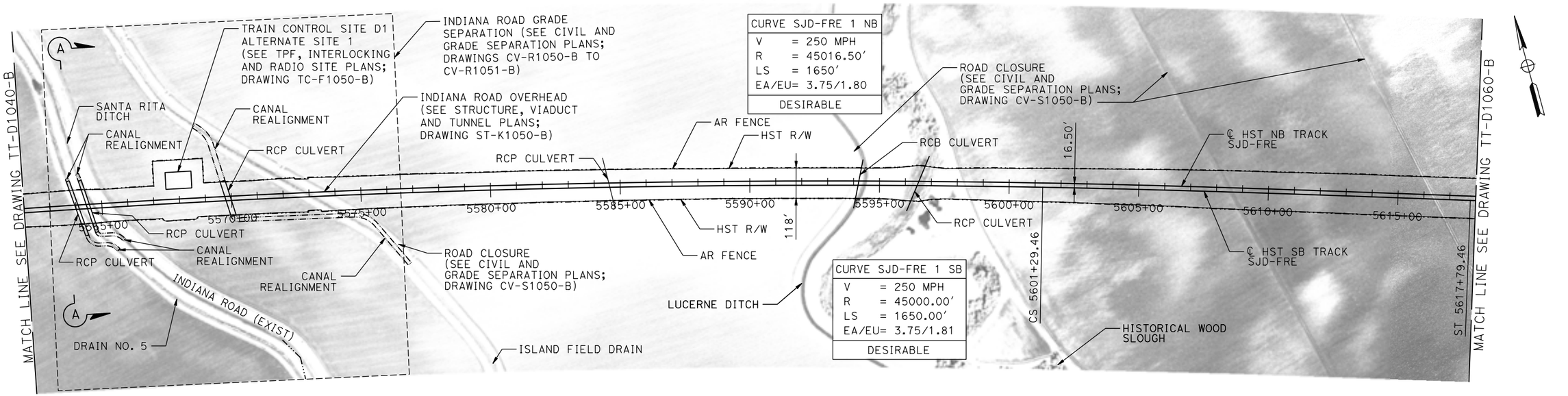
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5506+00 TO 5562+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1040-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1040-B.dgn
10-MAR-2016 6:03
p0042226

MERCED COUNTY



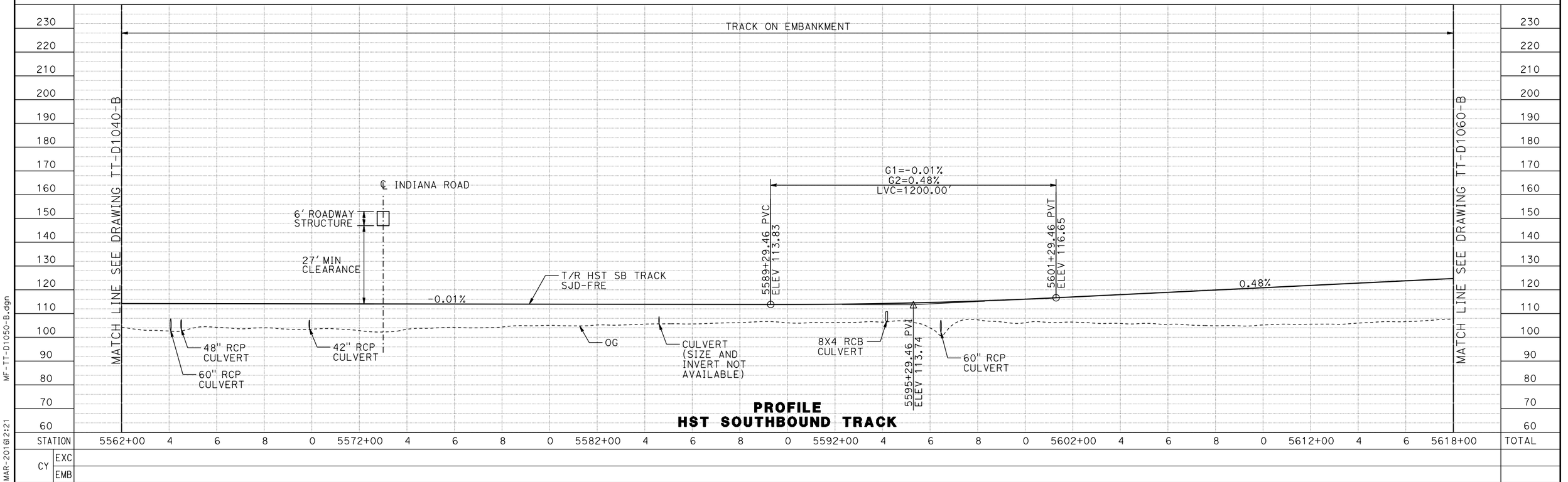
CURVE SJD-FRE 1 NB
V = 250 MPH
R = 45016.50′
LS = 1650′
EA/EU= 3.75/1.80
DESIRABLE

CURVE SJD-FRE 1 SB
V = 250 MPH
R = 45000.00′
LS = 1650.00′
EA/EU= 3.75/1.81
DESIRABLE

20 0 20 40 VERT: 1"=20′

200 0 200 400 HORIZ: 1"=200′

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

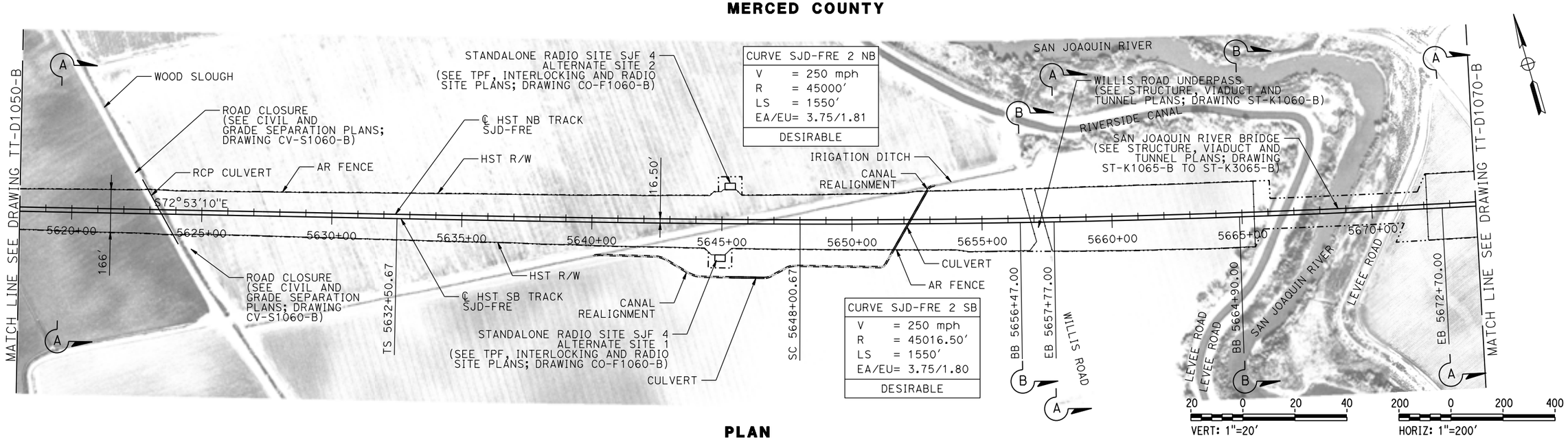
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5562+00 TO 5618+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1050-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1050-B.dgn
08-MAR-2016 12:21
p0042226

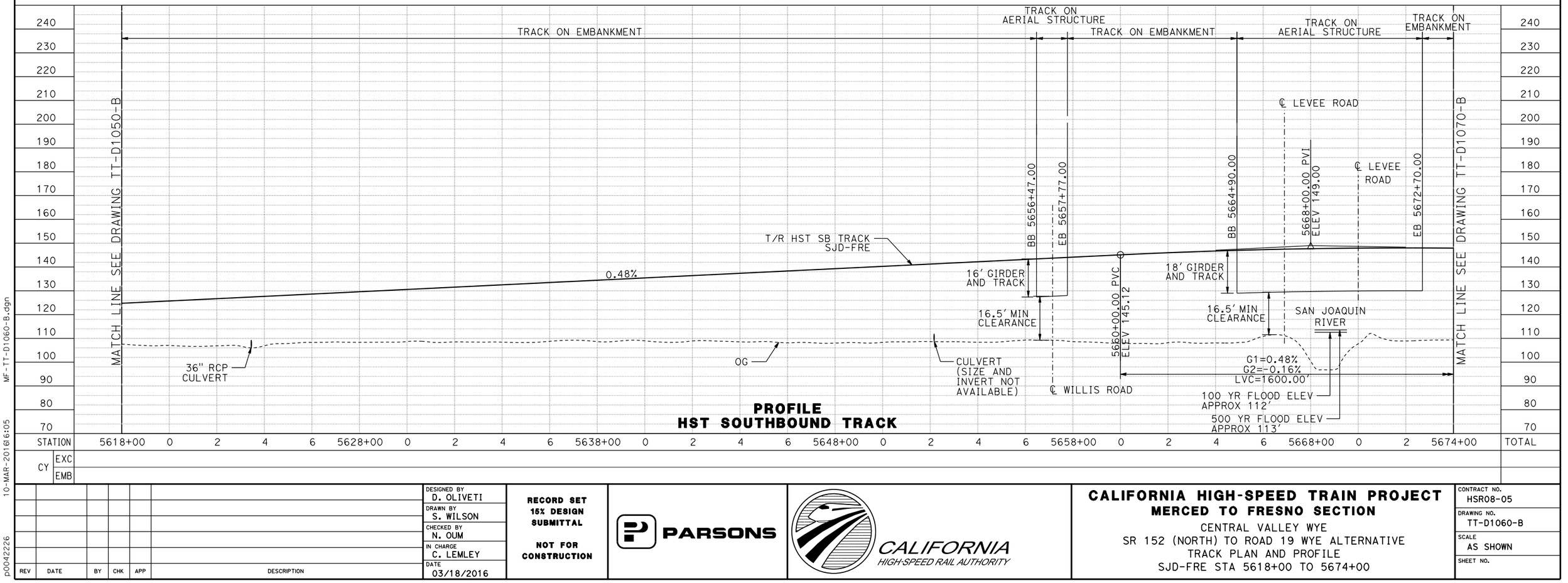
MERCED COUNTY



CURVE SJD-FRE 2 NB	
V	= 250 mph
R	= 45000'
LS	= 1550'
EA/EU	= 3.75/1.81
DESIRABLE	

CURVE SJD-FRE 2 SB	
V	= 250 mph
R	= 45016.50'
LS	= 1550'
EA/EU	= 3.75/1.80
DESIRABLE	

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

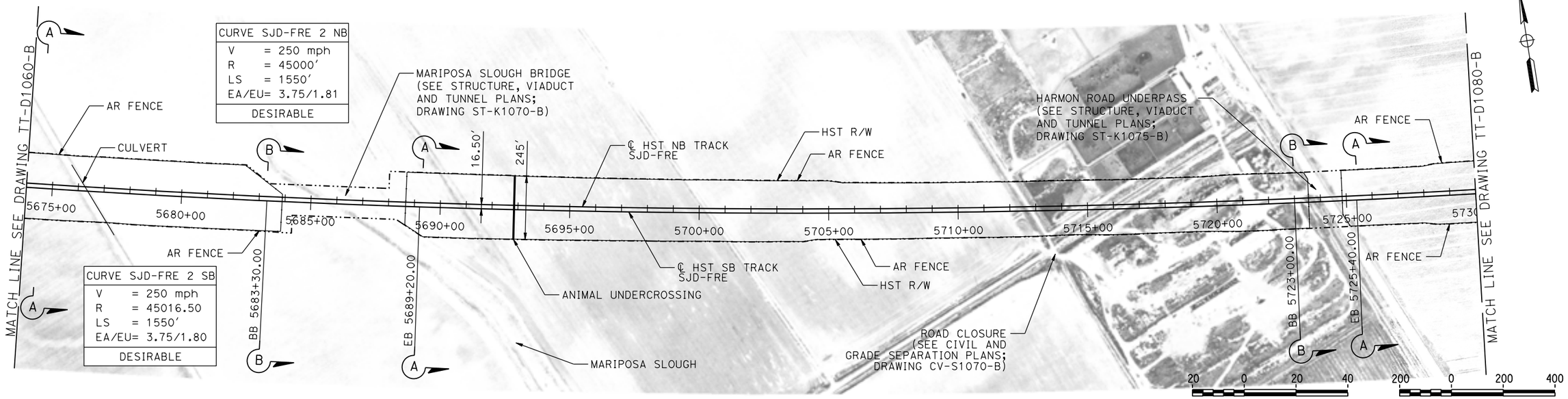
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5618+00 TO 5674+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1060-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1060-B.dgn
10-MAR-2016 6:05
p0042226

MERCED COUNTY



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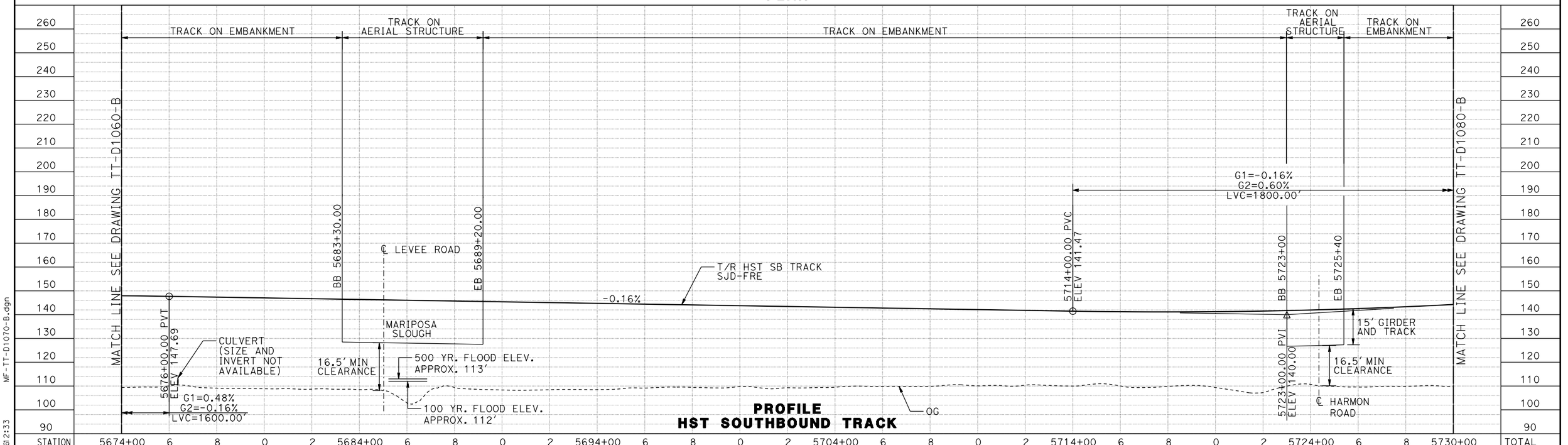


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

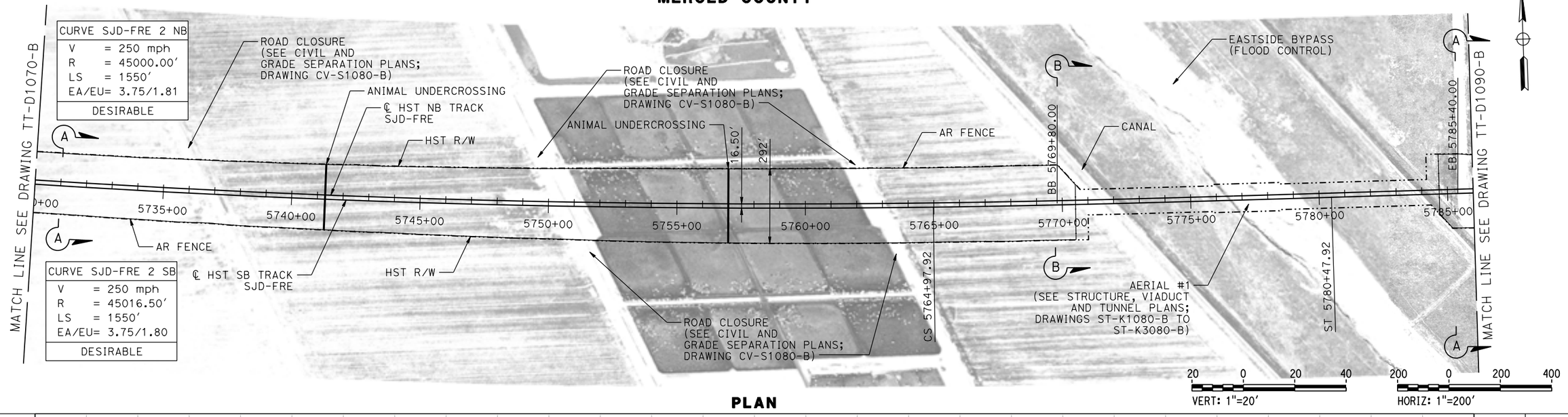
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5674+00 TO 5730+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1070-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1070-B.dgn
08-MAR-2016 12:33
p0042226

MERCED COUNTY



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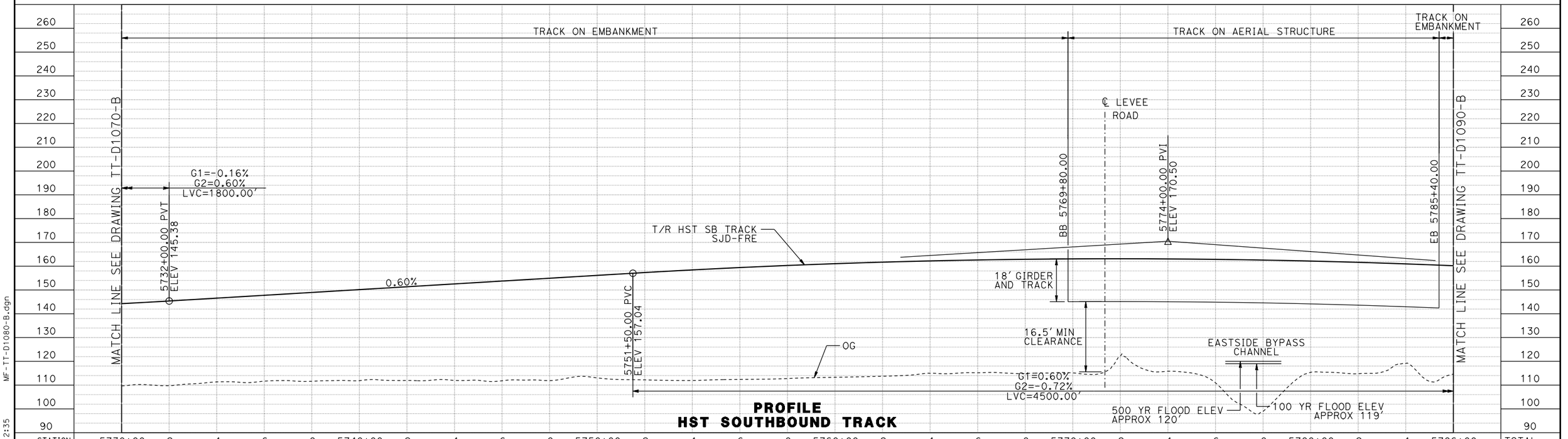


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

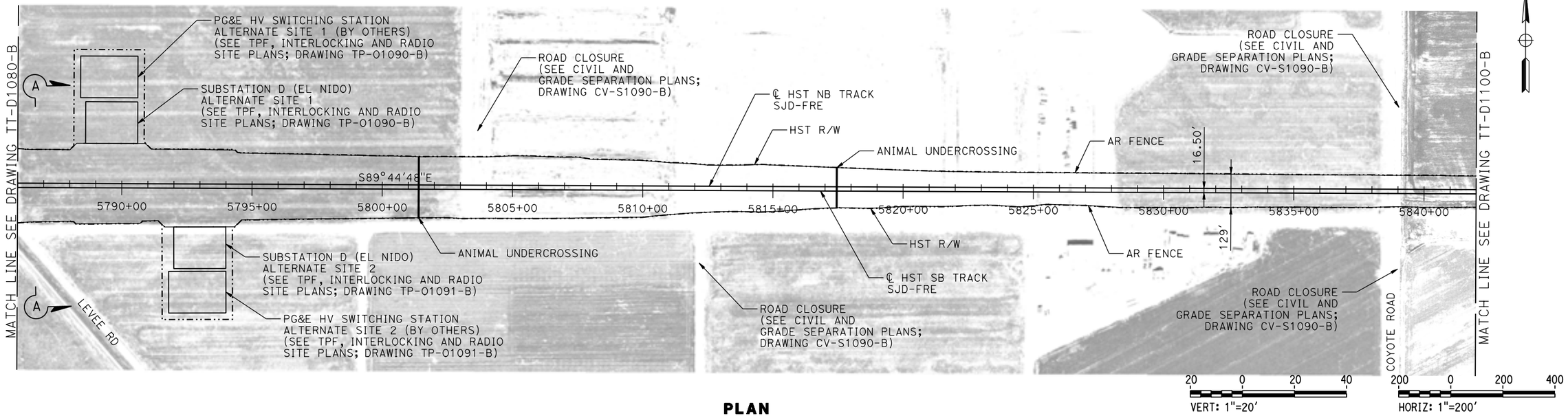
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5730+00 TO 5786+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1080-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1080-B.dgn
08-MAR-2016 12:35
p0042226

MERCED COUNTY



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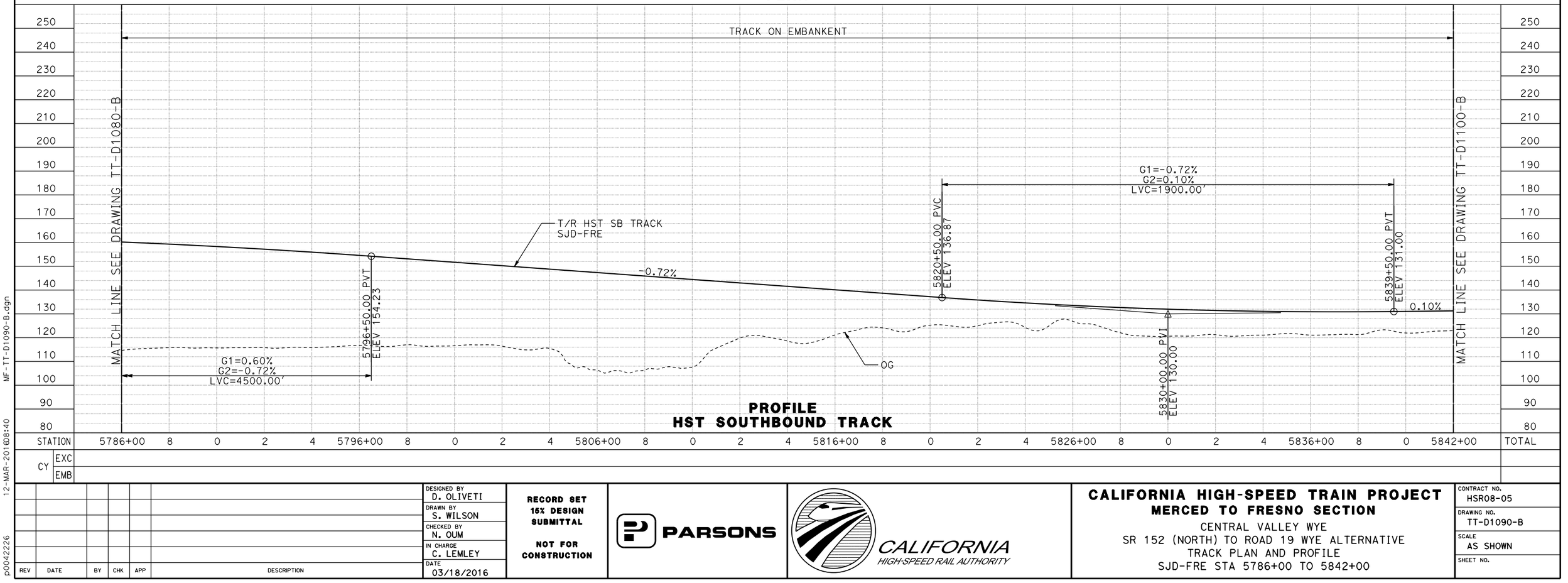

PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

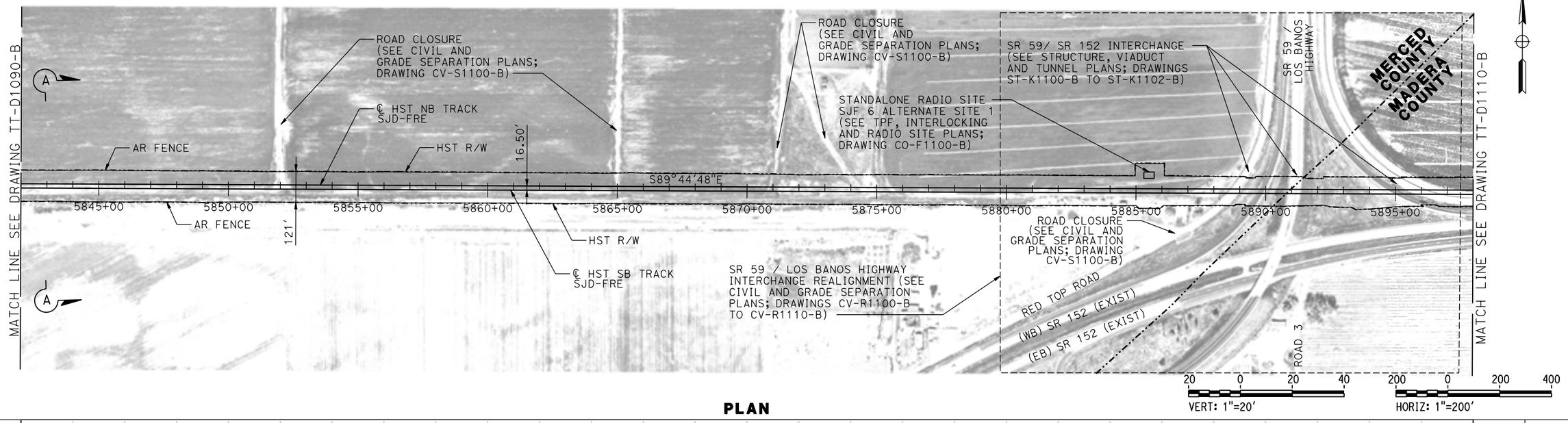
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5786+00 TO 5842+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1090-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1090-B.dgn
12-MAR-2016 08:40
p0042226

MERCED COUNTY



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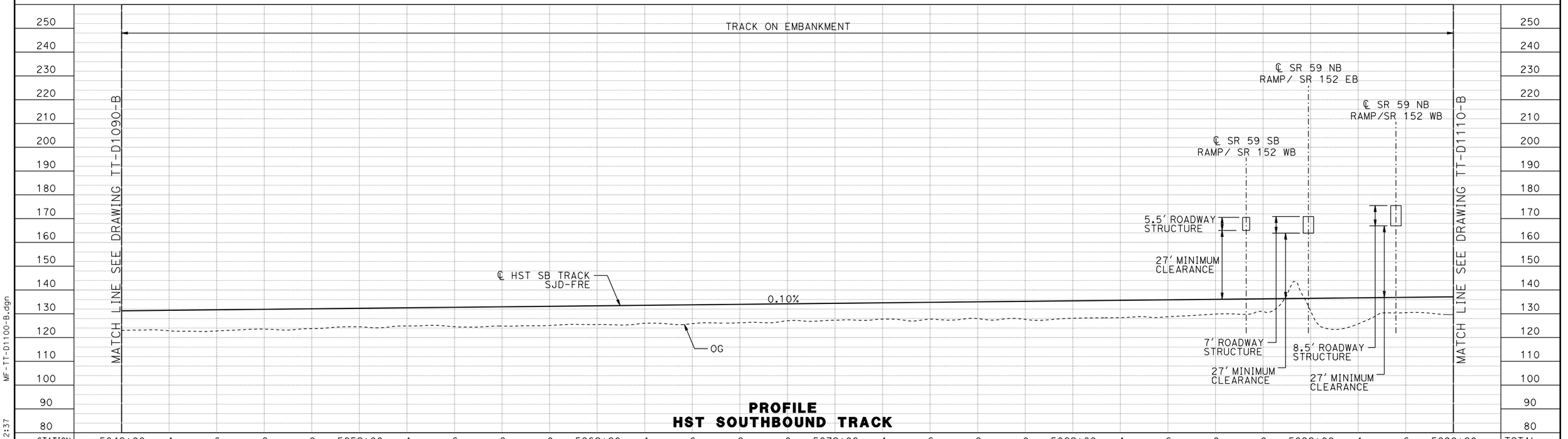

PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

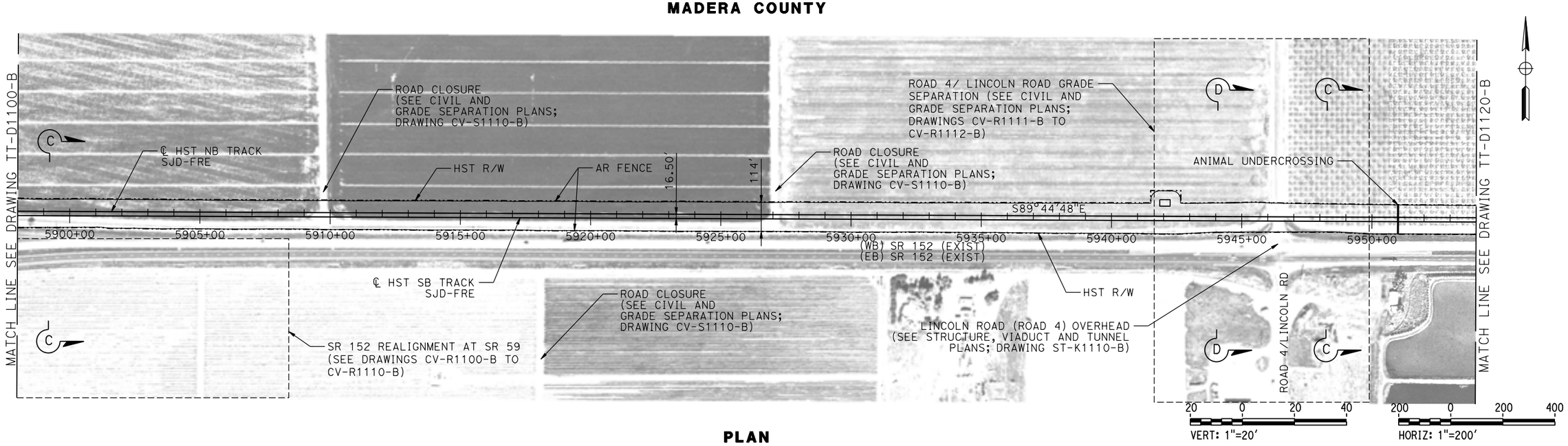
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

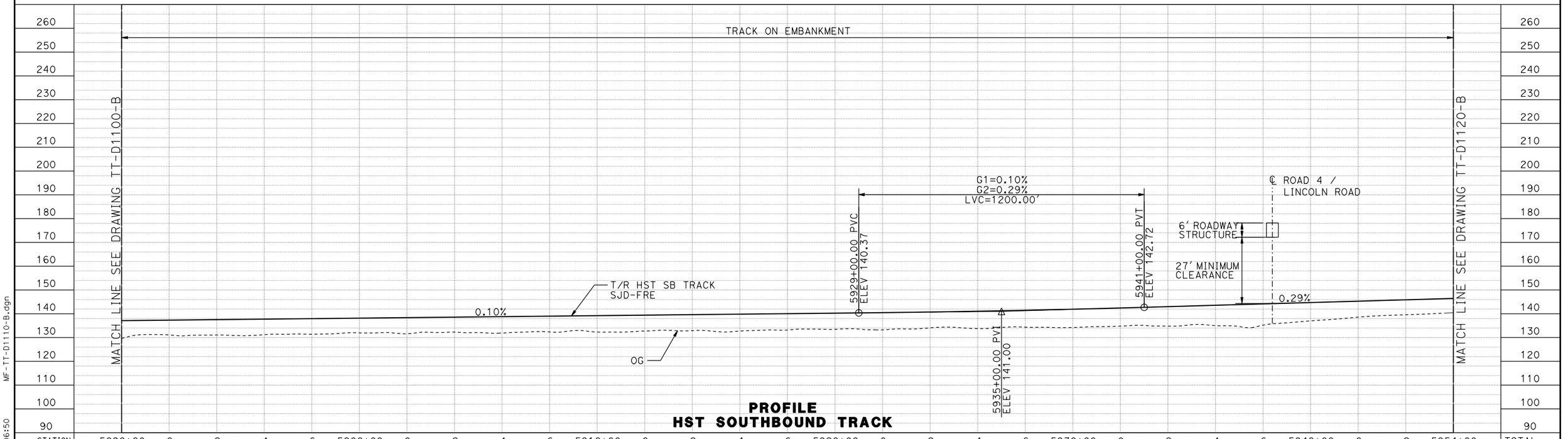
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1100-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1100-B.dgn
08-MAR-2016 12:37
p0042226

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

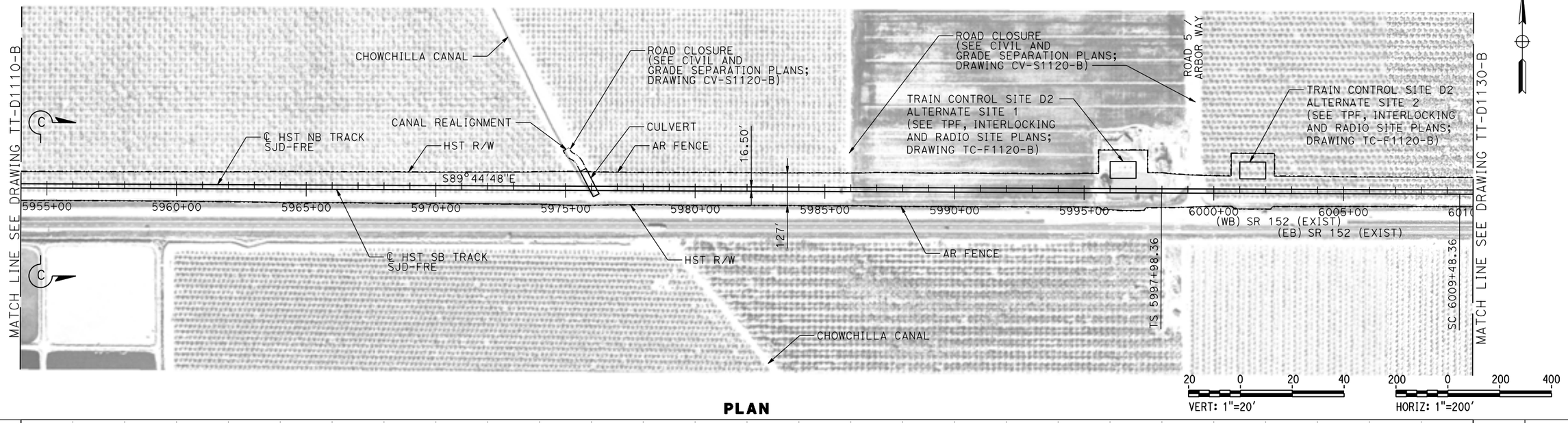
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5898+00 TO 5954+00

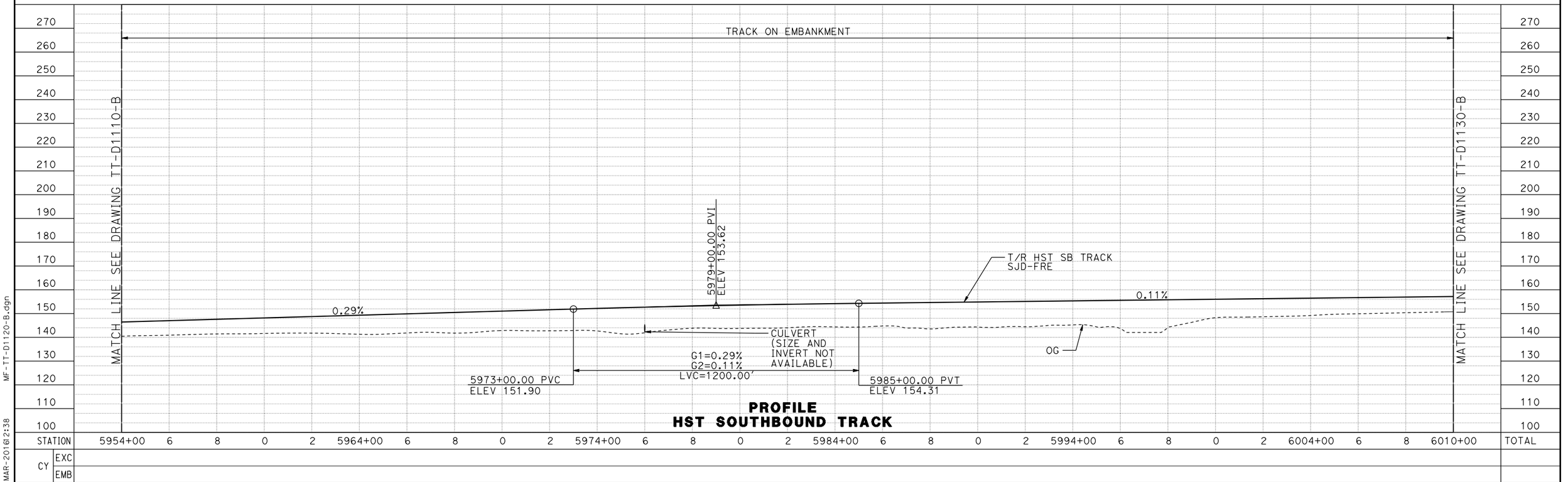
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1110-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1110-B.dgn
03-MAR-2016 6:50
p0042226

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

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PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

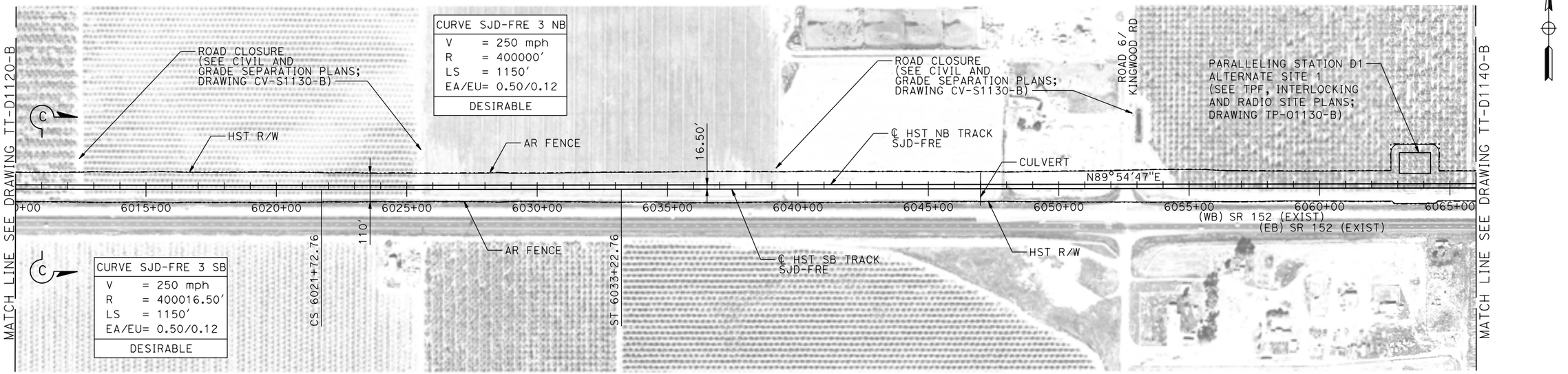
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5954+00 TO 6010+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1120-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1120-B.dgn
08-MAR-2016 12:38
p0042226

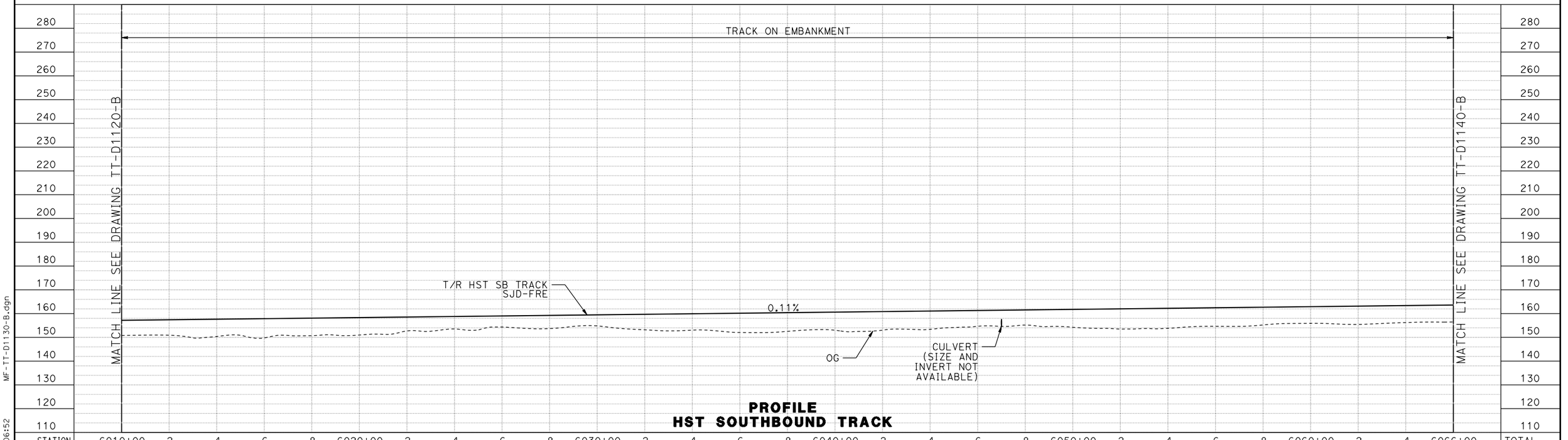
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

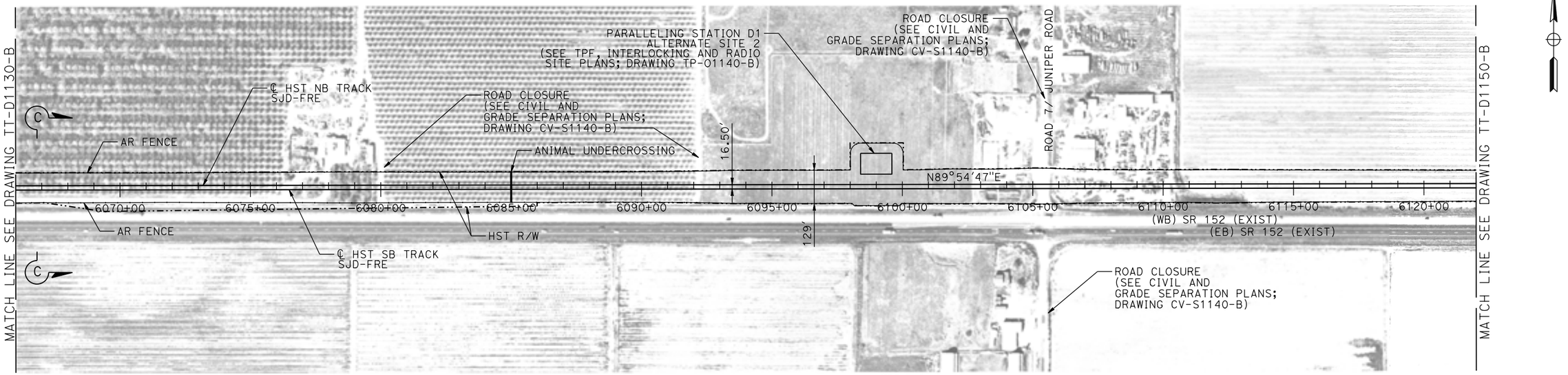
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6010+00 TO 6066+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1130-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1130-B.dgn
03-MAR-2016 6:52
p0042226

MADERA COUNTY



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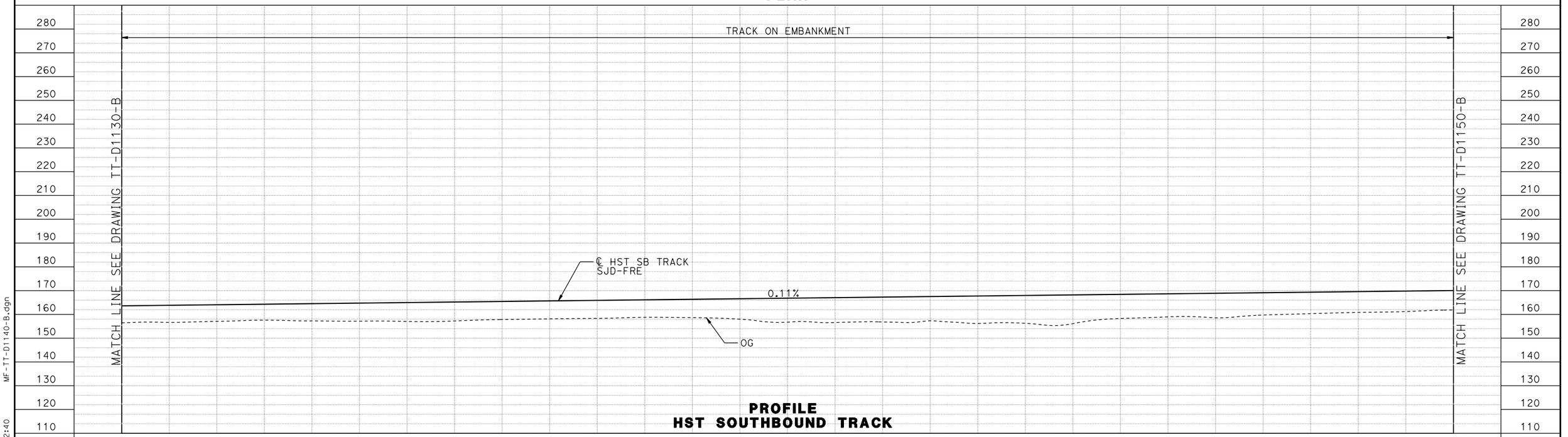
200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6066+00	8	0	2	4	6076+00	8	0	2	4	6086+00	8	0	2	4	6096+00	8	0	2	4	6106+00	8	0	2	4	6116+00	8	0	6122+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

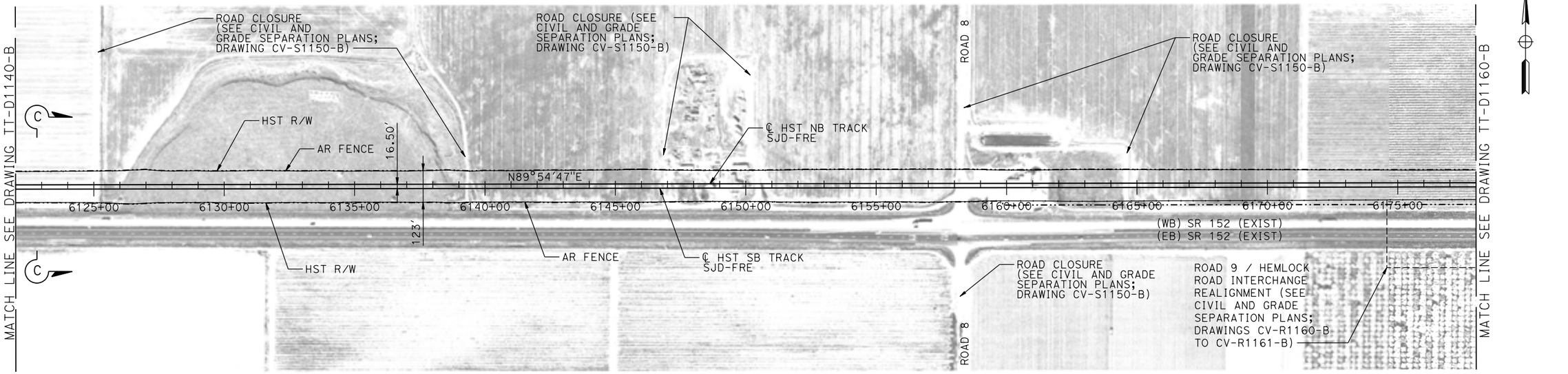
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6066+00 TO 6122+00

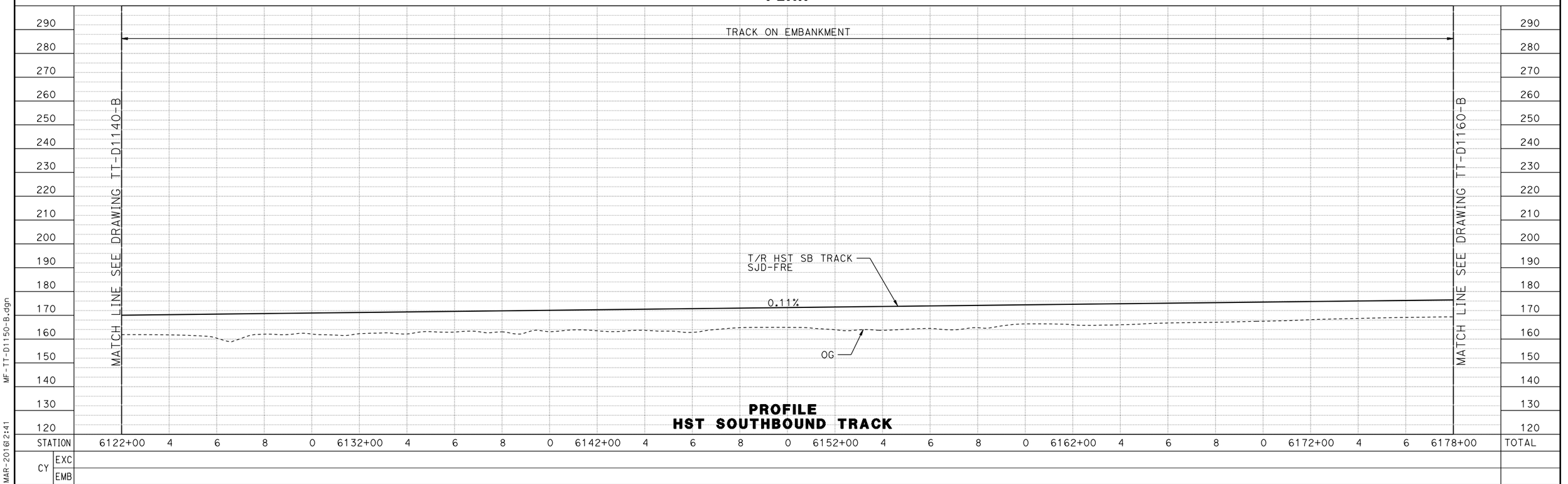
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1140-B
SCALE AS SHOWN
SHEET NO.

WF-TT-D1140-B.dgn
08-MAR-2016 2:40
p0042226

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

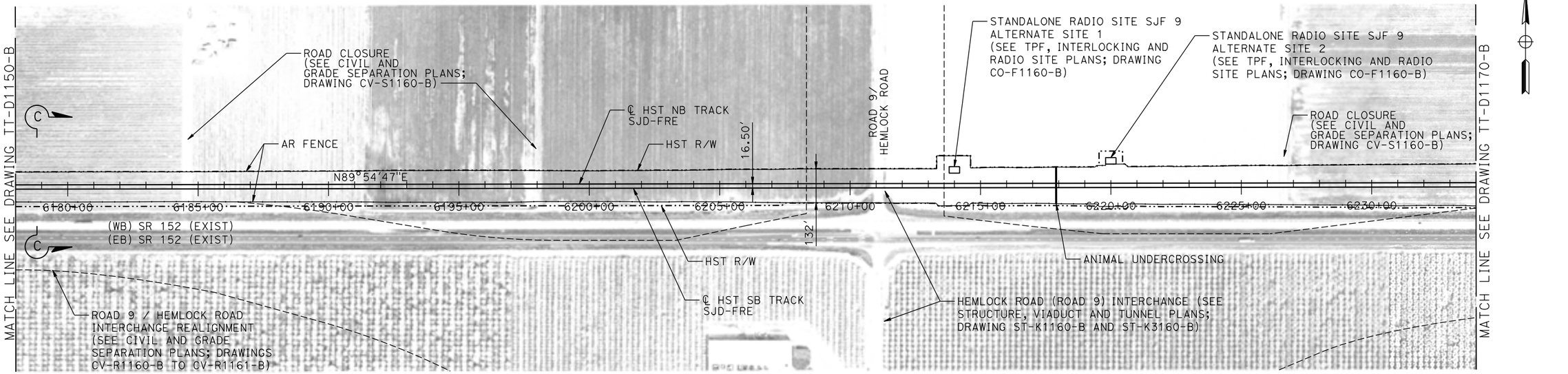
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6122+00 TO 6178+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1150-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1150-B.dgn
08-MAR-2016 12:41
p0042226

MADERA COUNTY



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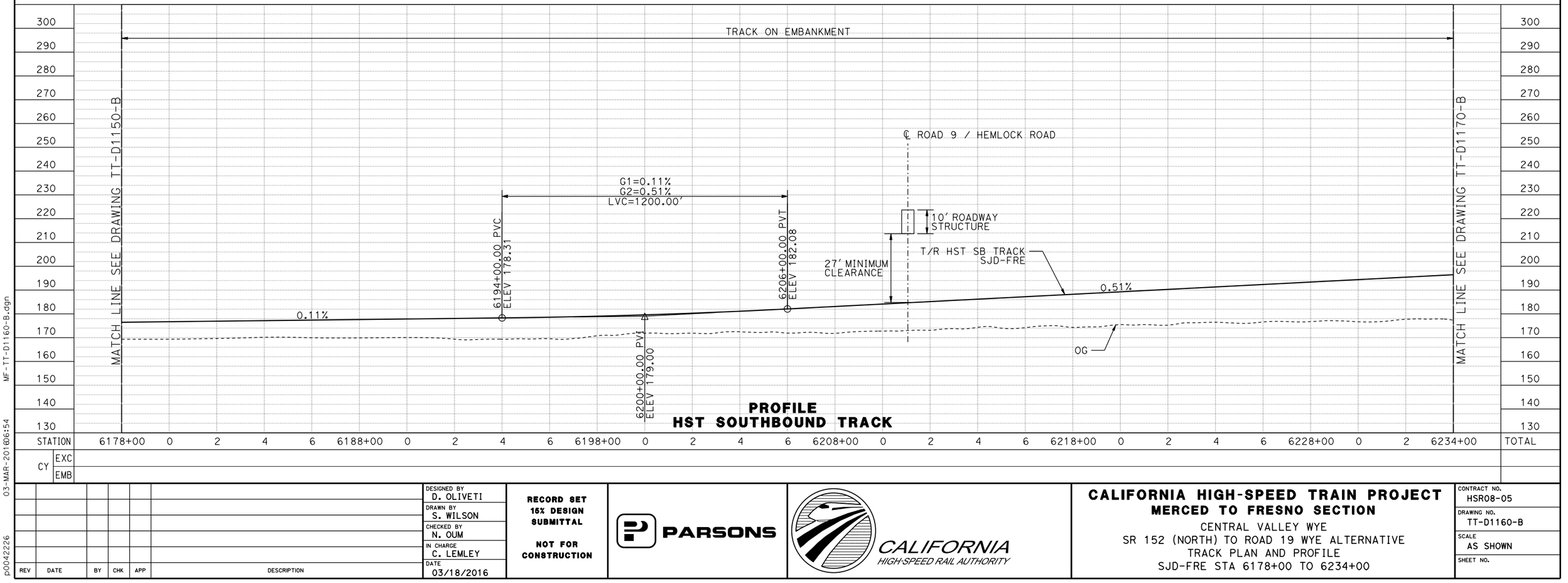
200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

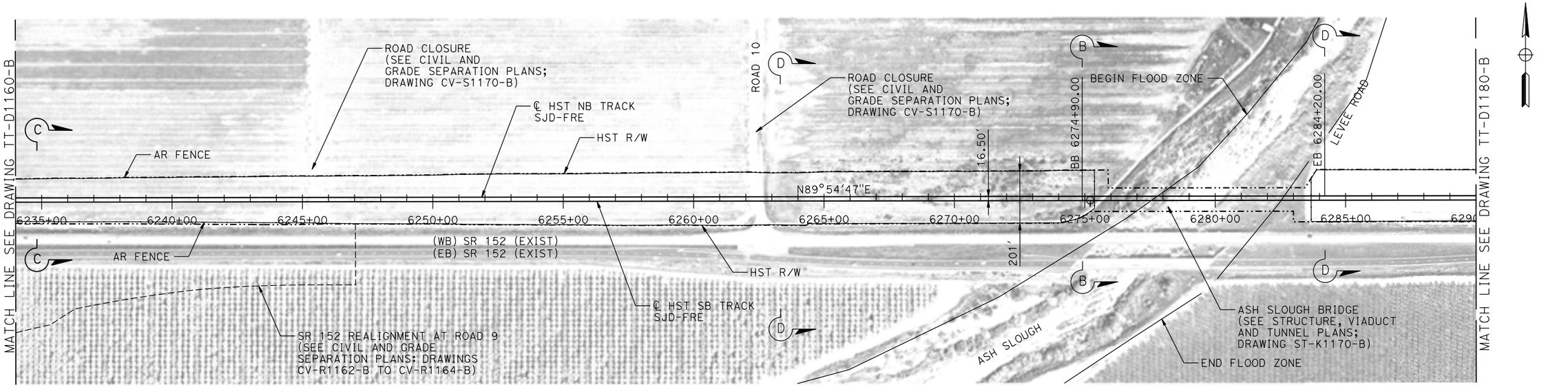
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1160-B
SCALE AS SHOWN
SHEET NO.

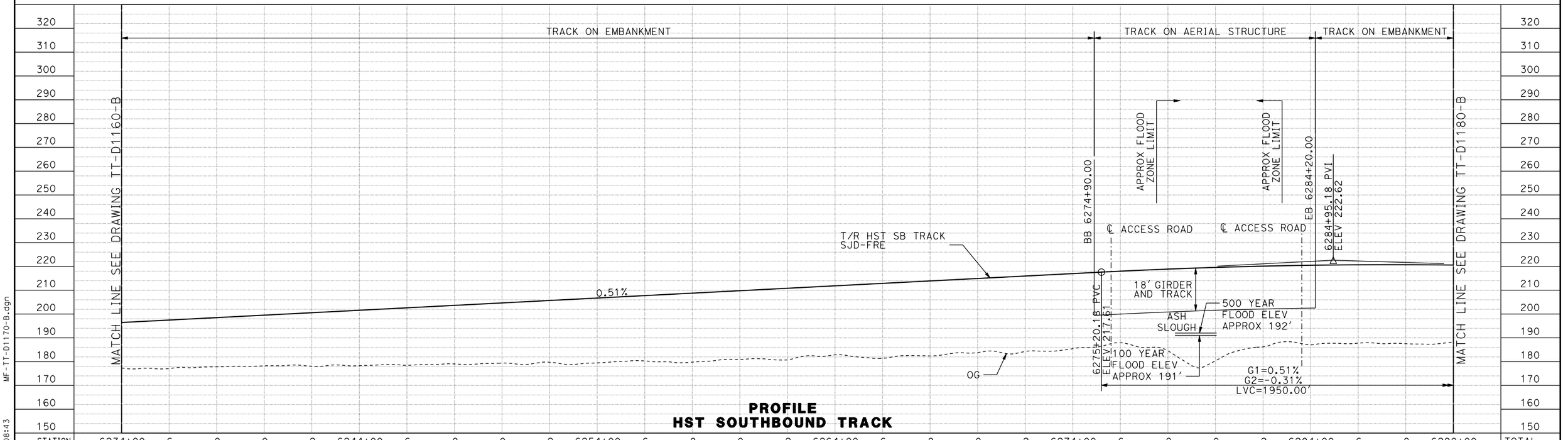
MF-TT-D1160-B.dgn
03-MAR-2016 6:54
p0042226

MADERA COUNTY



VERT: 1"=20' HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

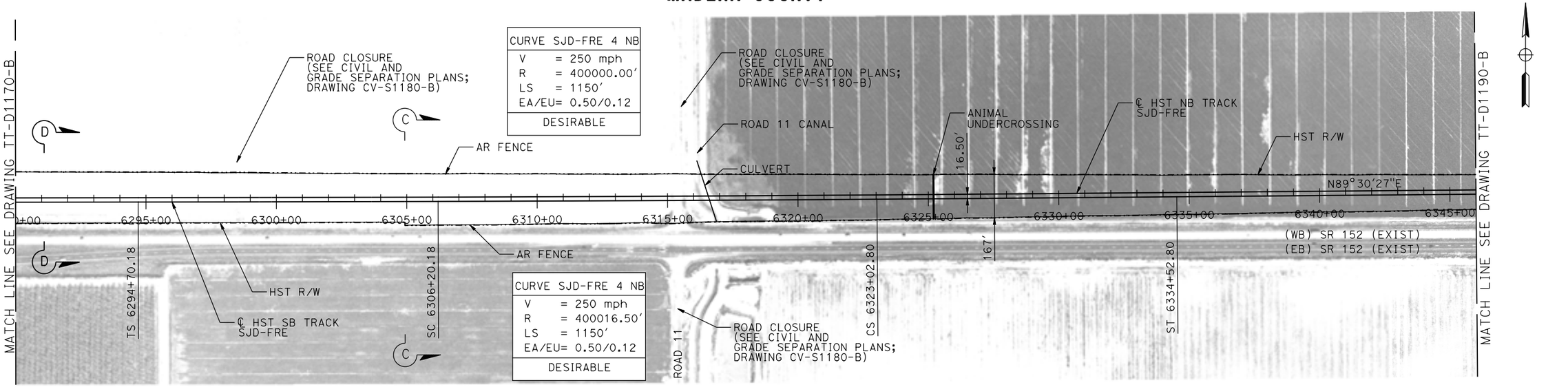
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6234+00 TO 6290+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1170-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1170-B.dgn
12-MAR-2016 08:43
p0042226

MADERA COUNTY



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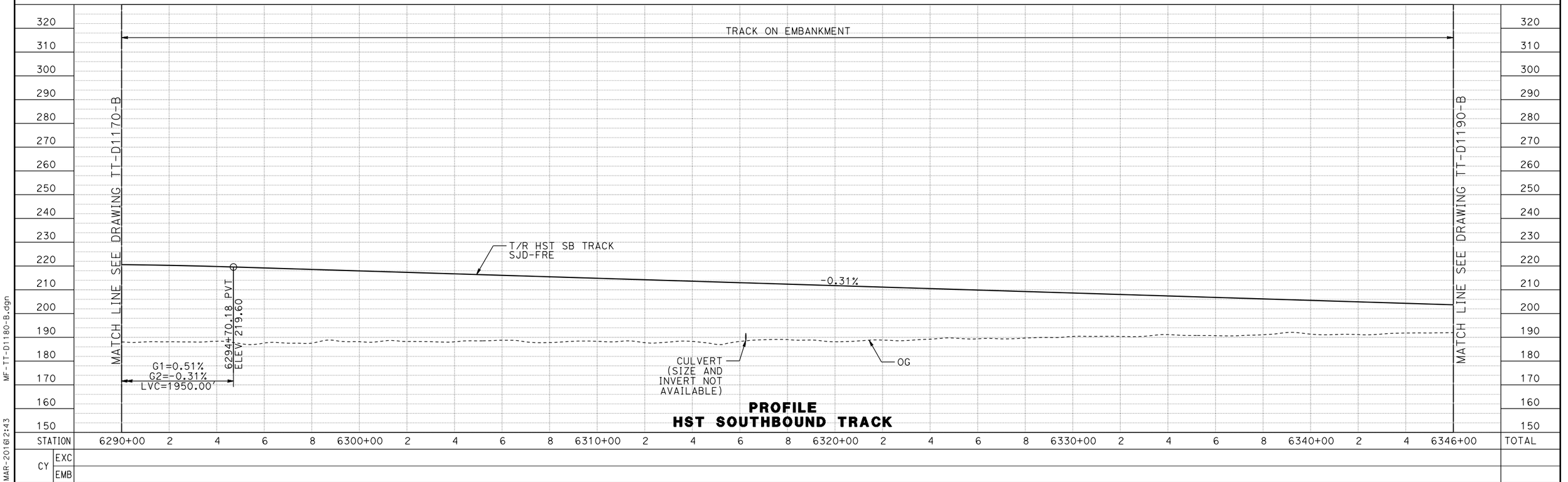
200 0 200 400 — HORIZ: 1"=200'

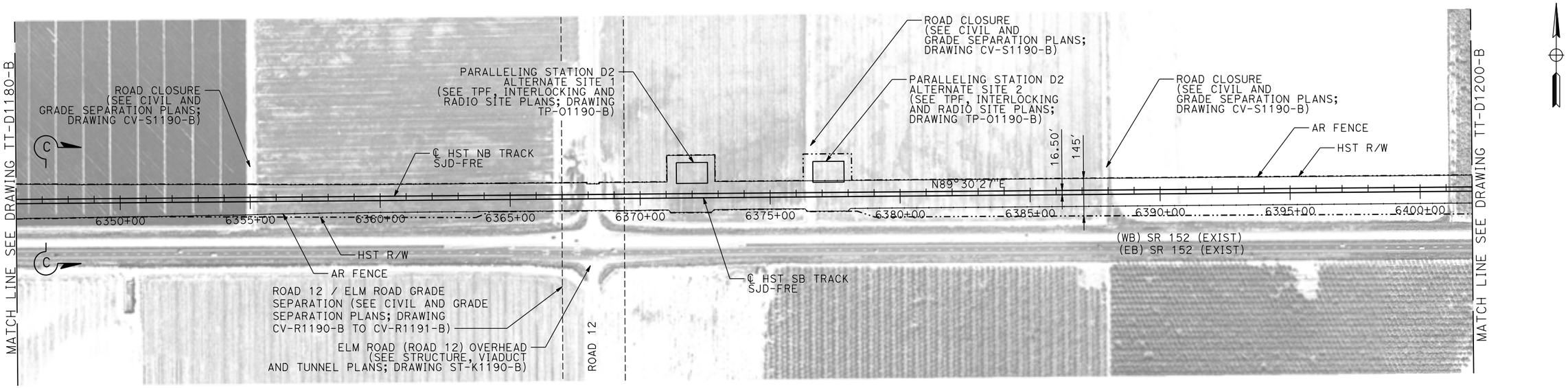
PLAN



PROFILE
HST SOUTHBOUND TRACK

| | | |

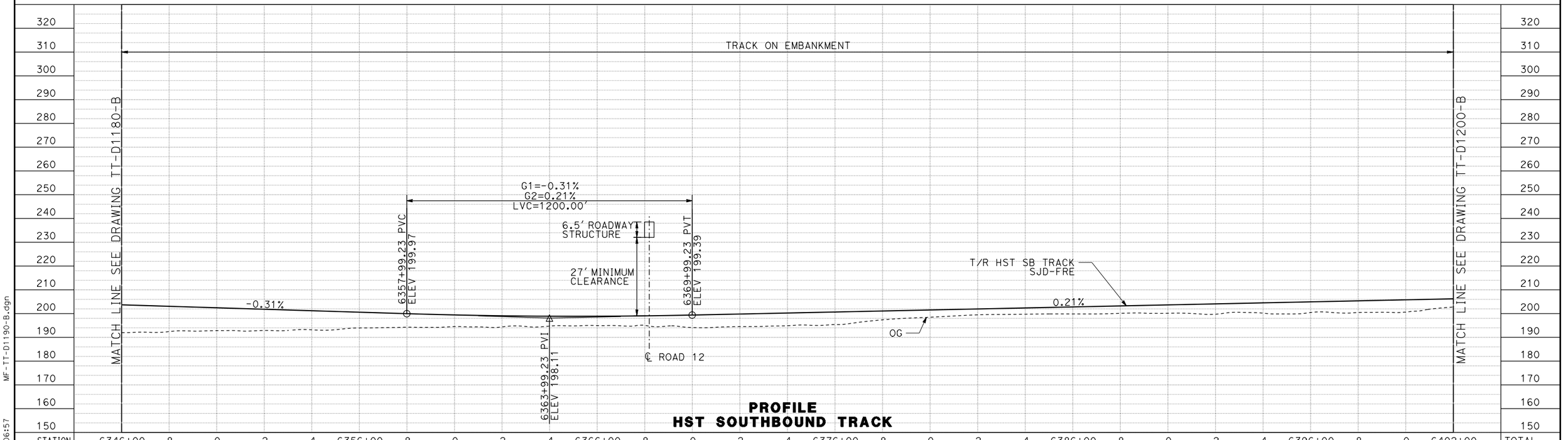
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

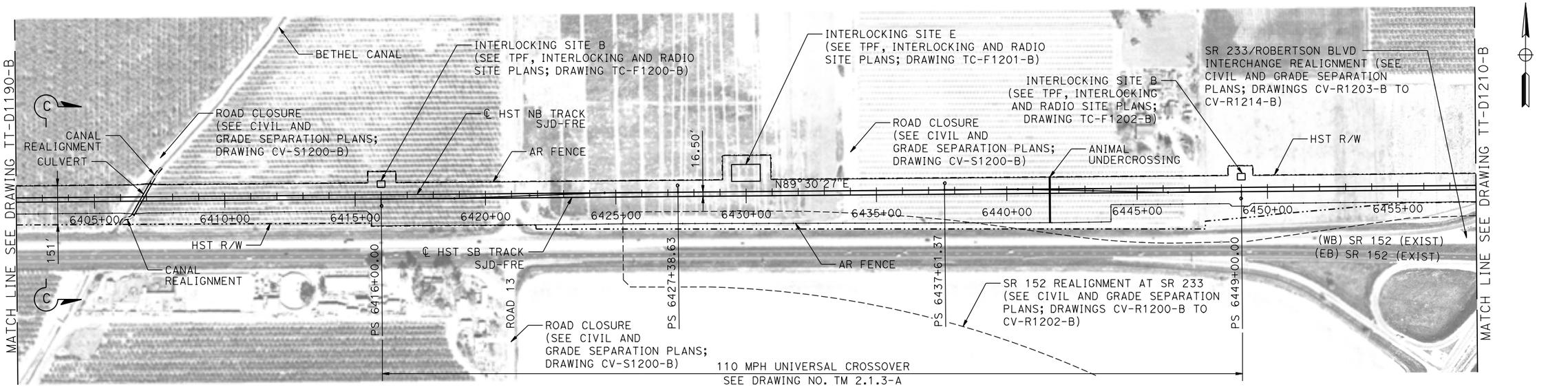
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6346+00 TO 6402+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1190-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1190-B.dgn
03-MAR-2016 6:57
p0042226

MADERA COUNTY



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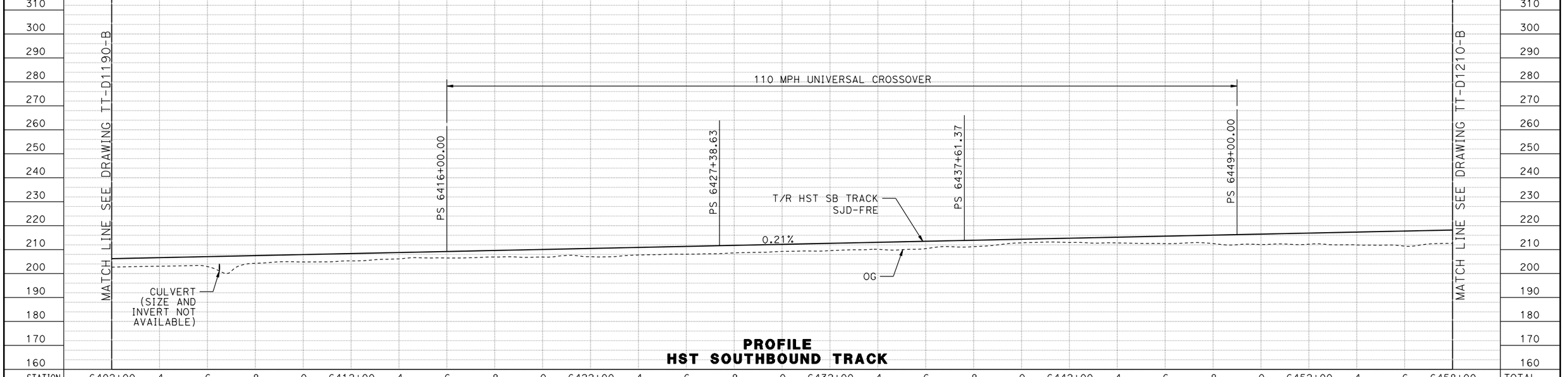
200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

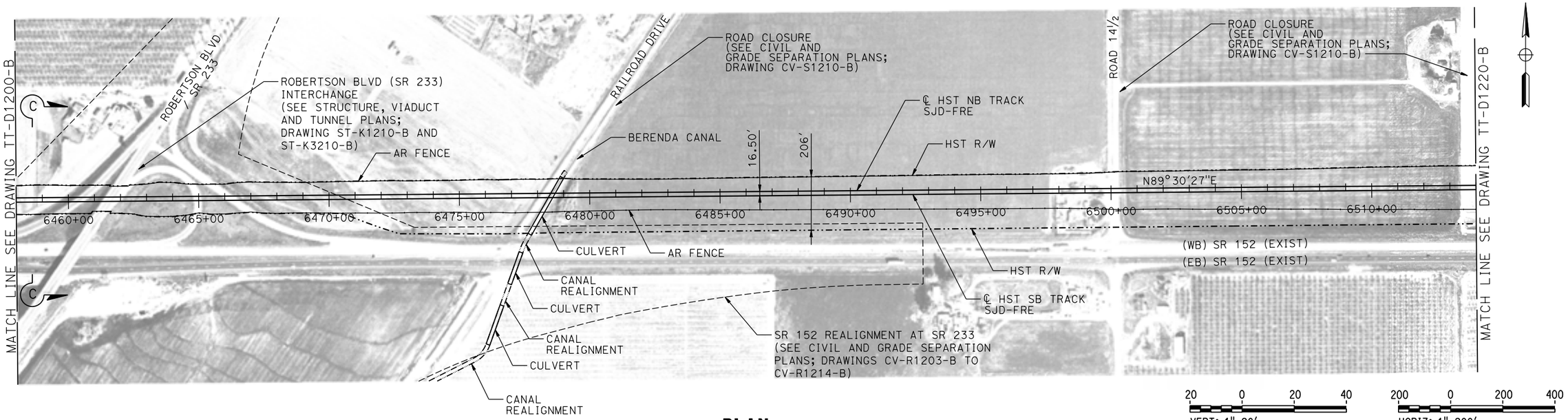
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1200-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1200-B.dgn
08-MAR-2016 12:44
p0042226

MADERA COUNTY



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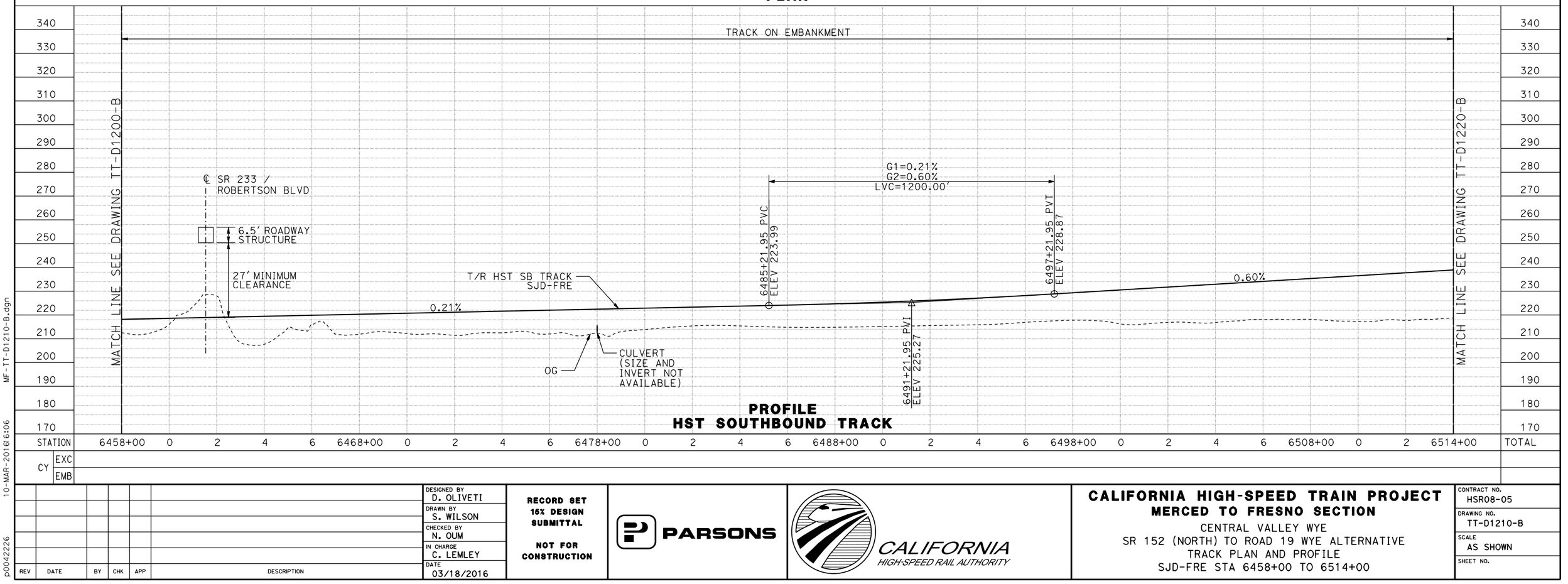


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

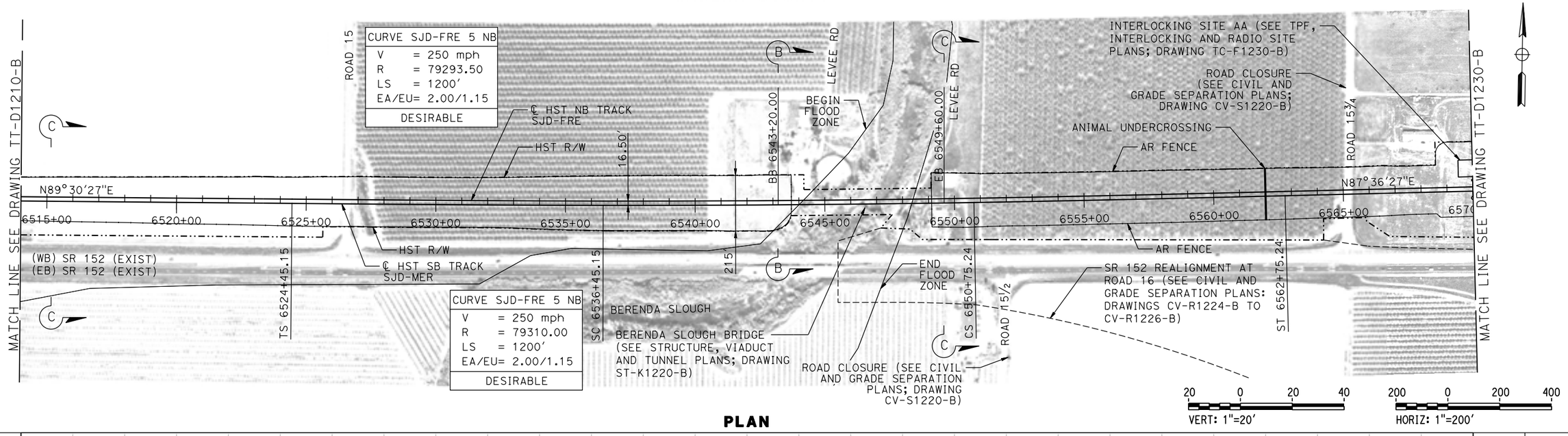
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6458+00 TO 6514+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1210-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1210-B.dgn
10-MAR-2016 16:06
p0042226

MADERA COUNTY



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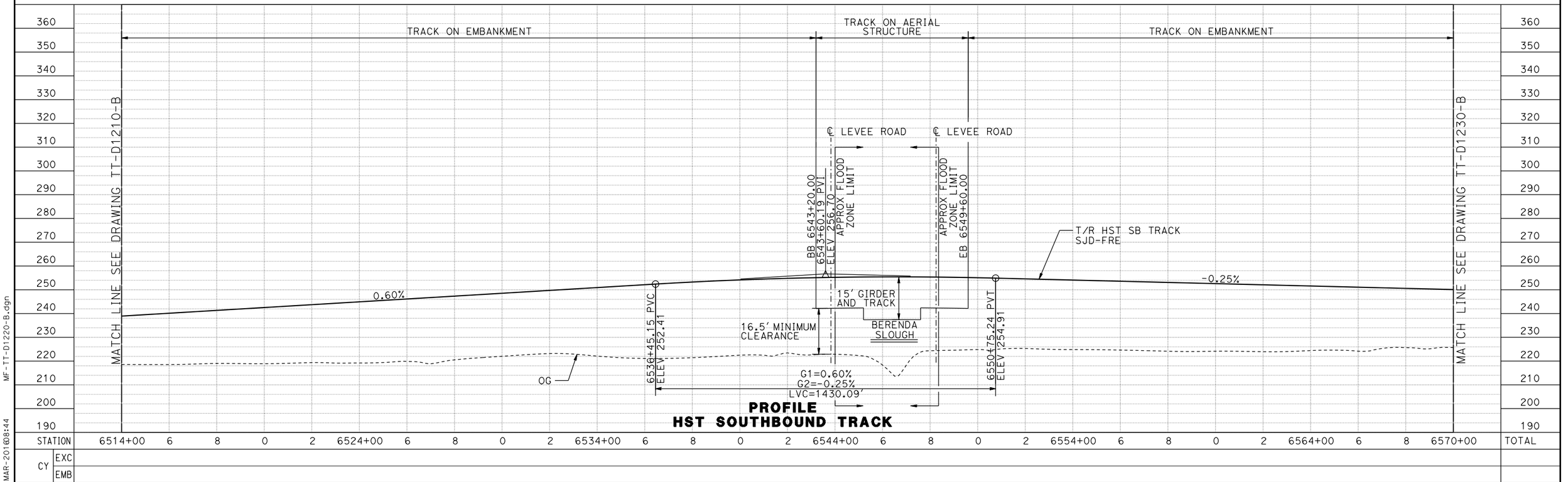


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

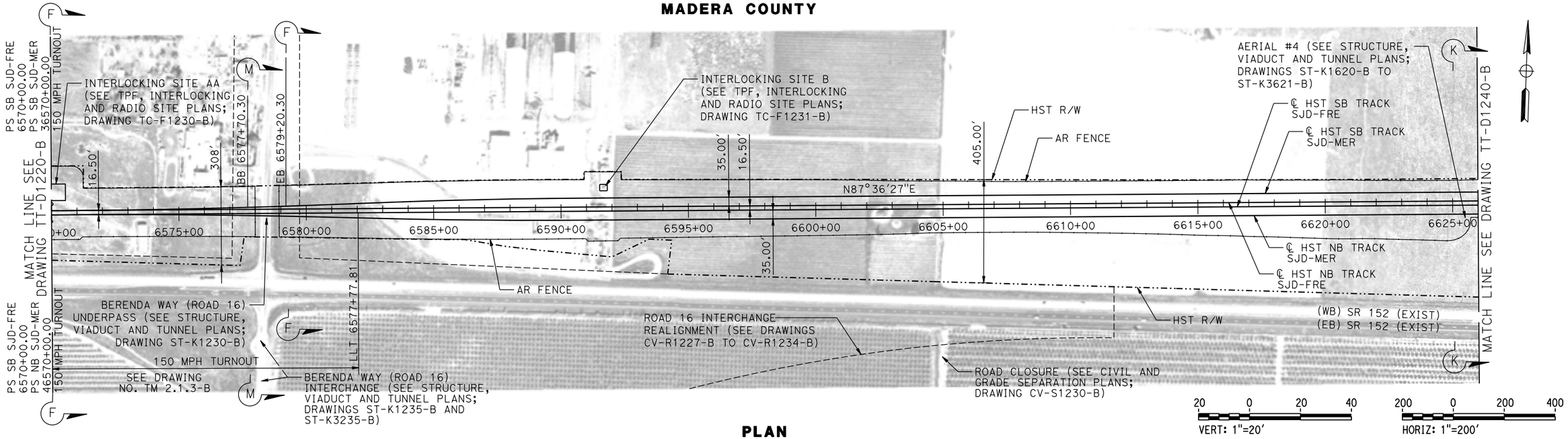
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6514+00 TO 6570+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1220-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1220-B.dgn
12-MAR-2016 08:44
p0042226

MADERA COUNTY



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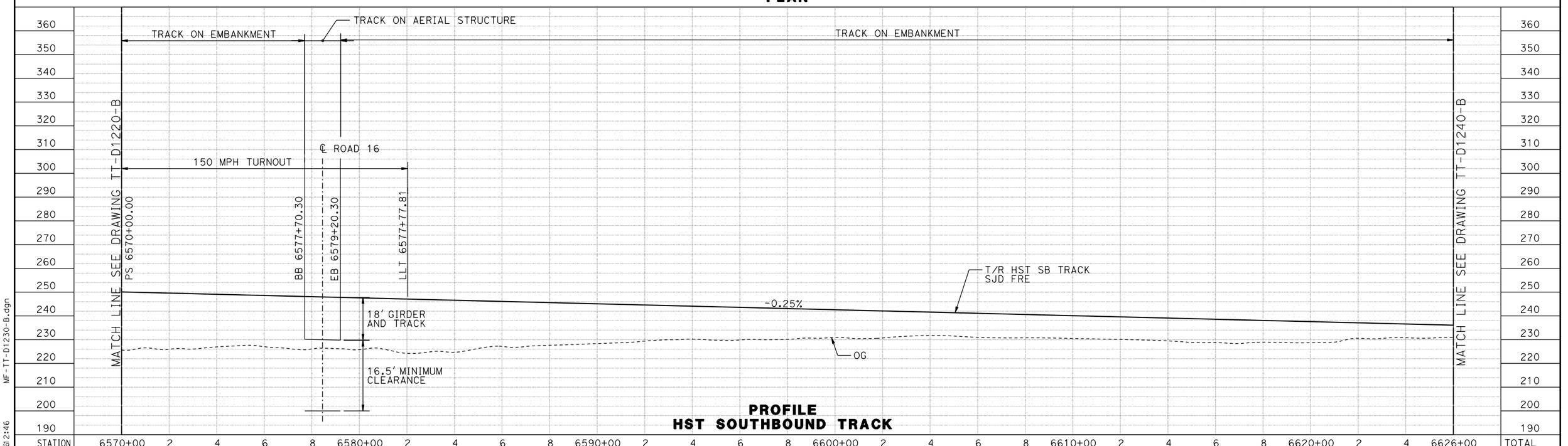


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

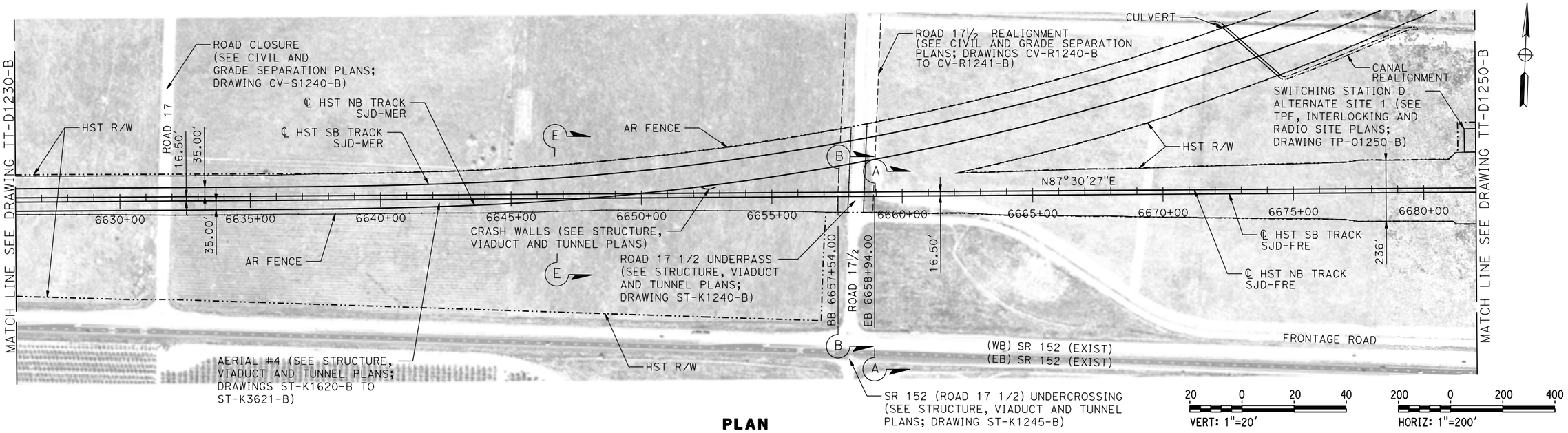
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1230-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1230-B.dgn
08-MAR-2016 12:46
p0042226

MADERA COUNTY



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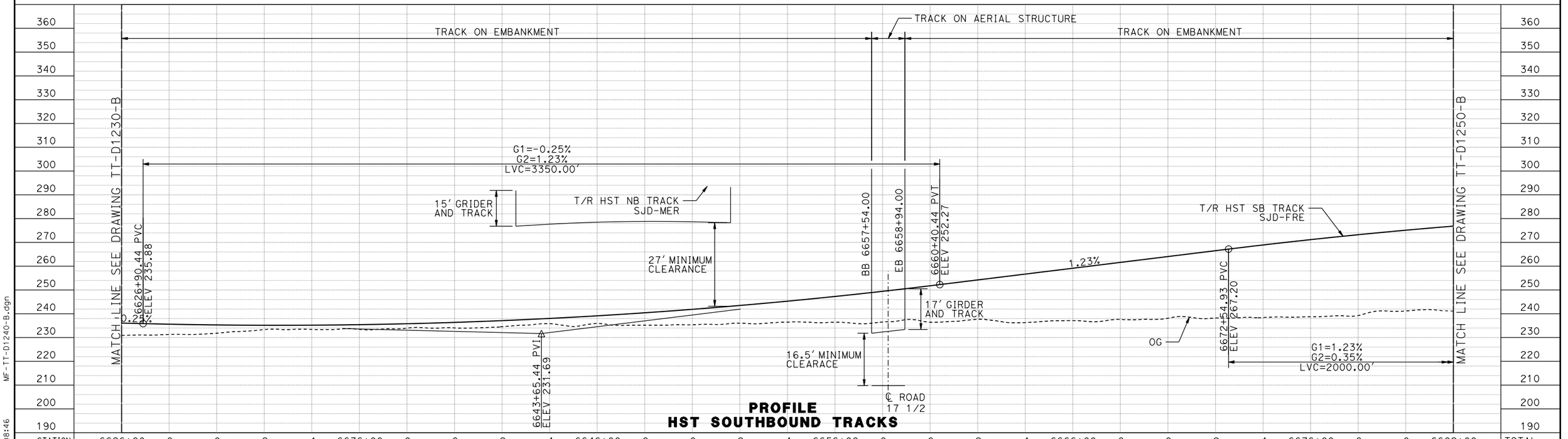


PROFILE
HST SOUTHBOUND TRACKS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

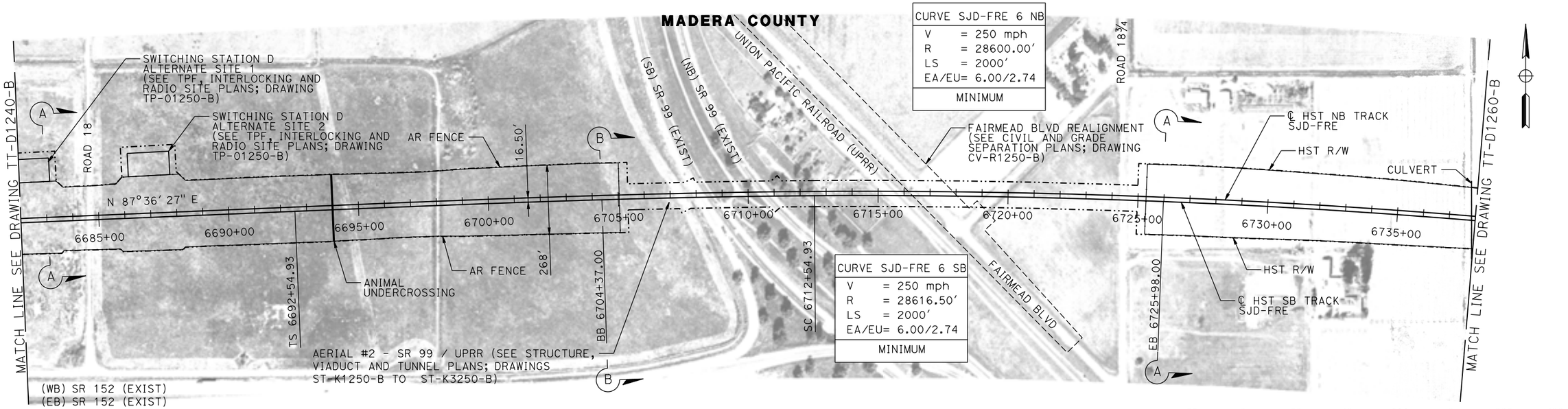
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6626+00 TO 6682+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1240-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1240-B.dgn
12-MAR-2016 8:46
p0042226



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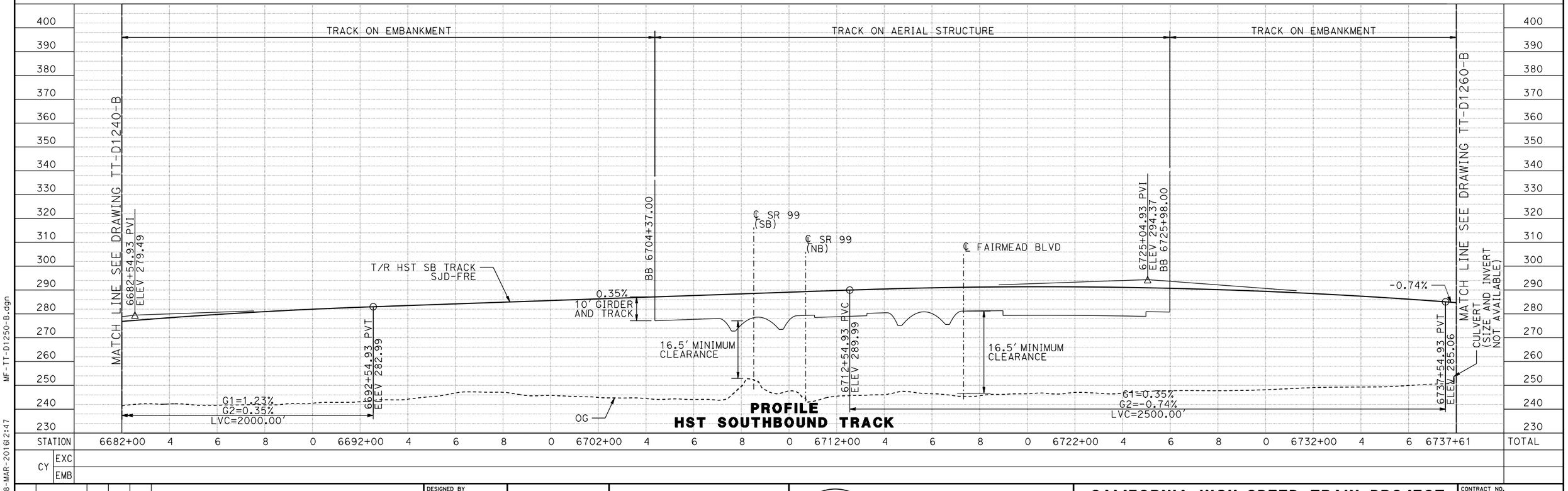


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

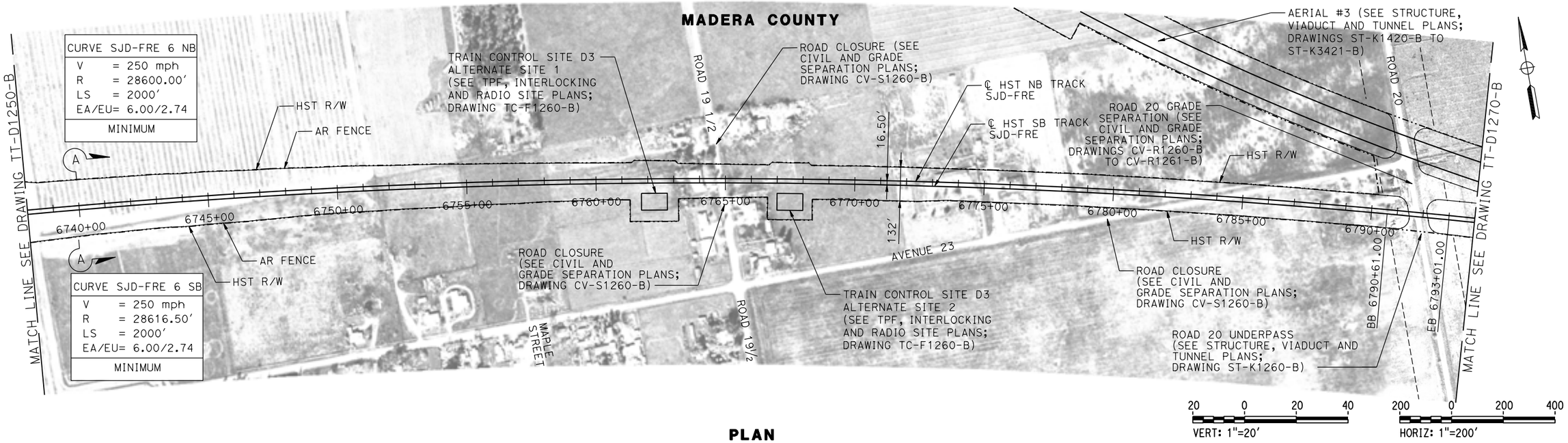
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

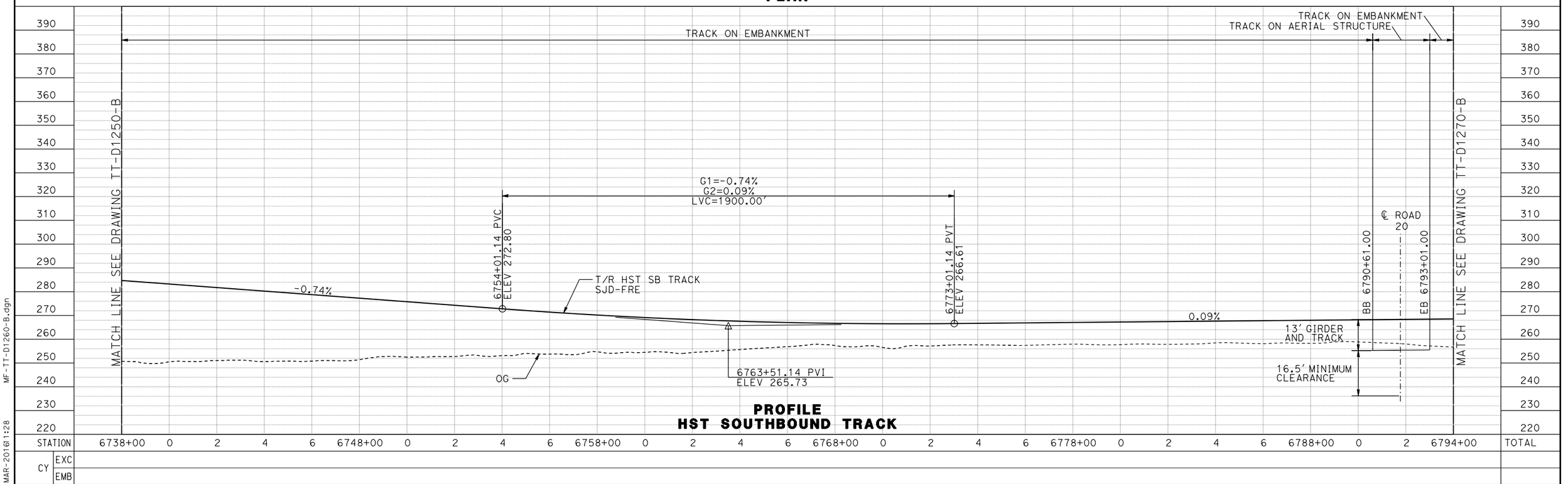
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6682+00 TO 6738+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1250-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1250-B.dgn
08-MAR-2016 12:47
p0042226



PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6738+00	0	2	4	6	6748+00	0	2	4	6	6758+00	0	2	4	6	6768+00	0	2	4	6	6778+00	0	2	4	6	6788+00	0	2	6794+00	TOTAL
CY EXC																													
CY EMB																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

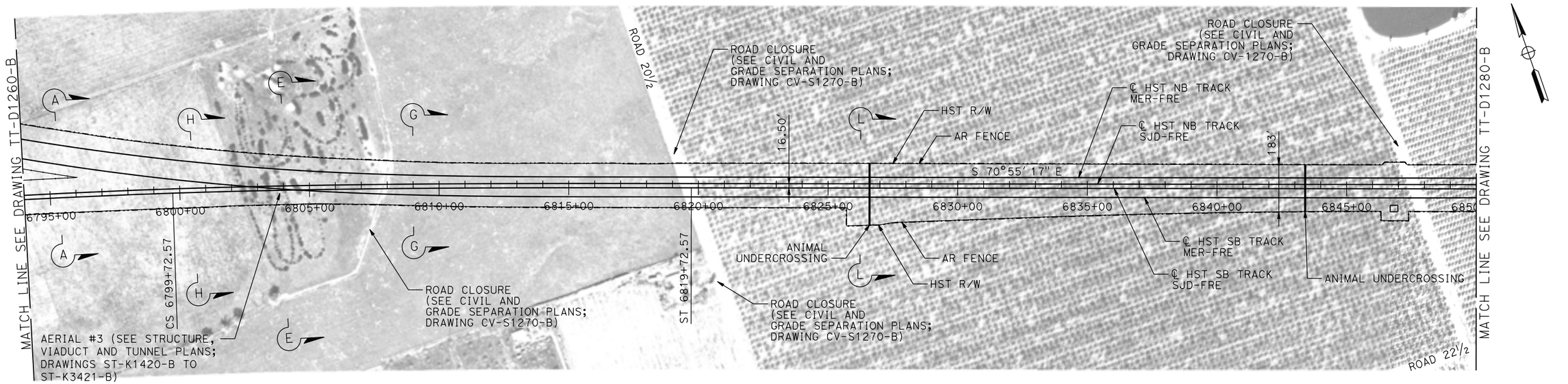
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6738+00 TO 6794+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1260-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1260-B.dgn
17-MAR-2016 1:28
p0051133A

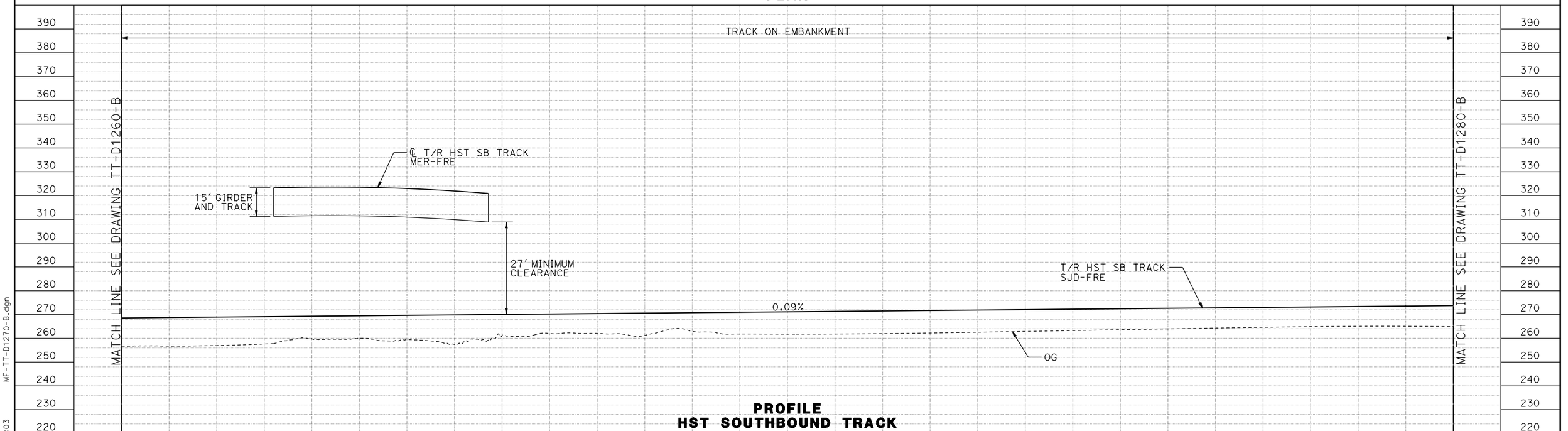
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

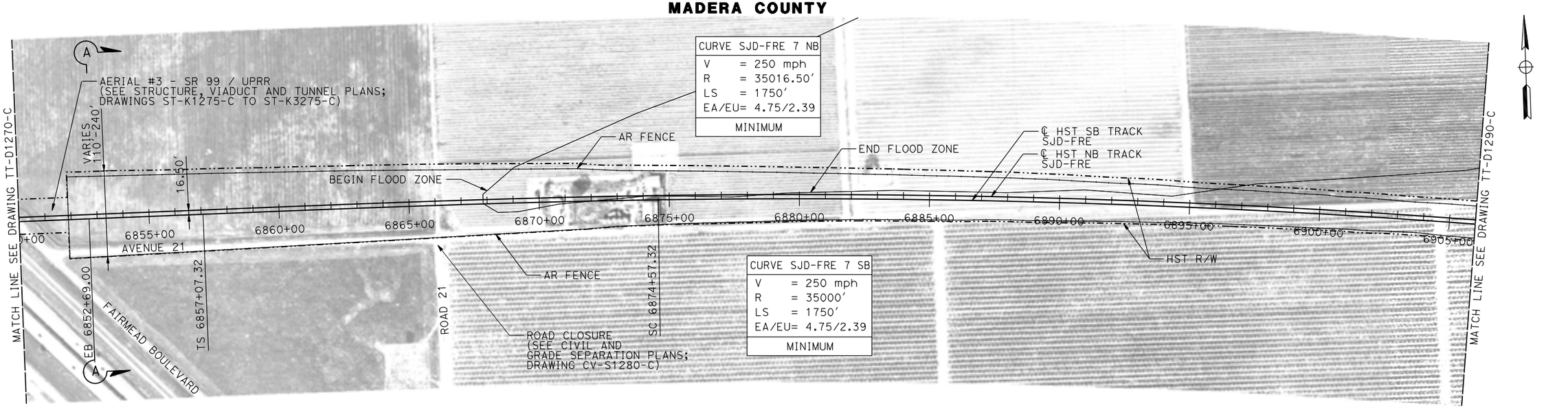
PLAN



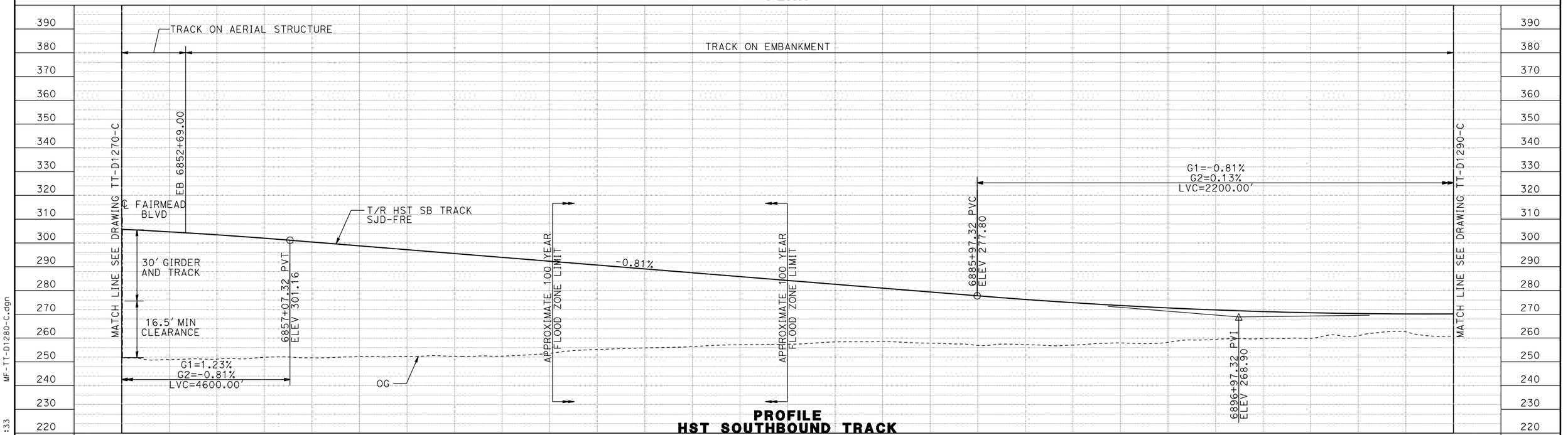
PROFILE
HST SOUTHBOUND TRACK

| | | |

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY N. OUM
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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6850+00 TO 6906+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1280-C
SCALE AS SHOWN
SHEET NO.

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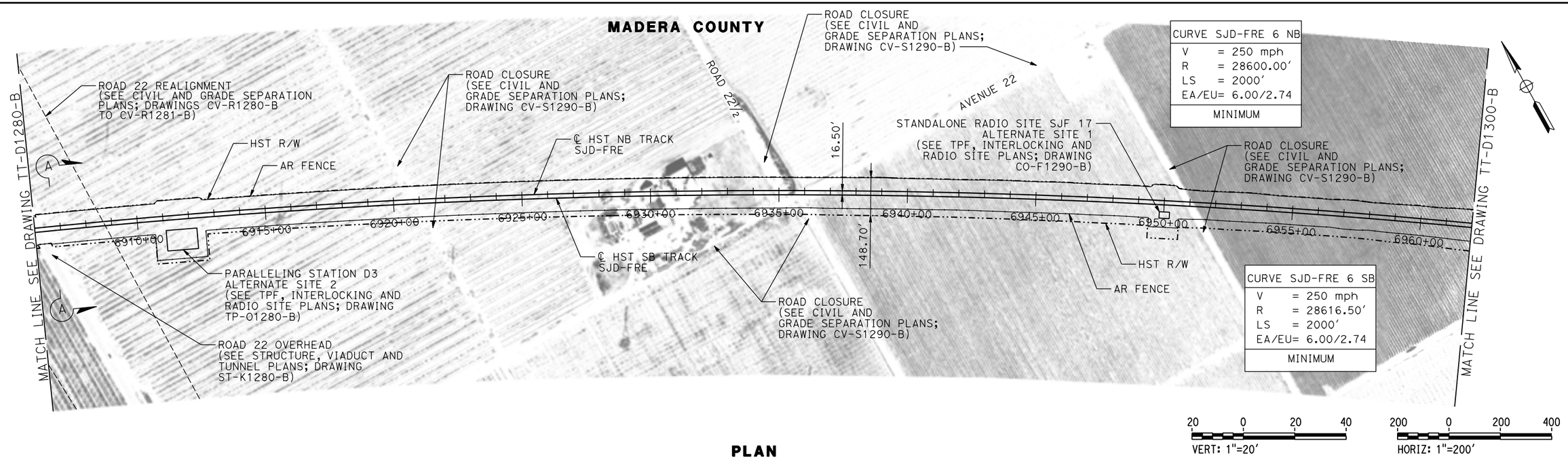
17-MAR-2016 1:33
p0051133A



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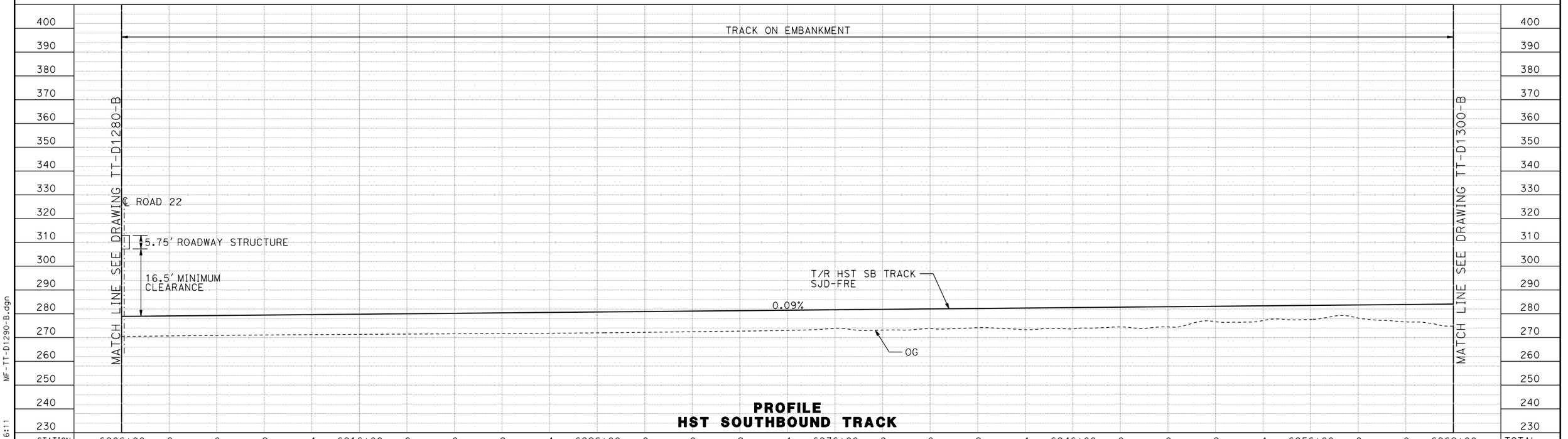


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

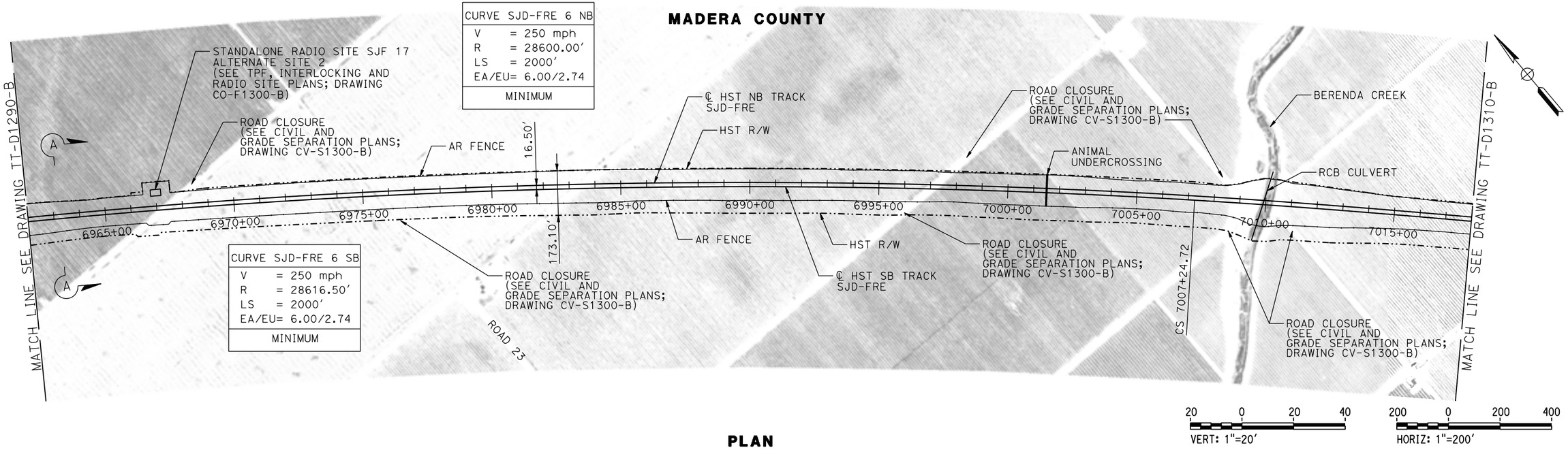
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6906+00 TO 6962+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1290-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1290-B.dgn
10-MAR-2016 16:11
p0042226



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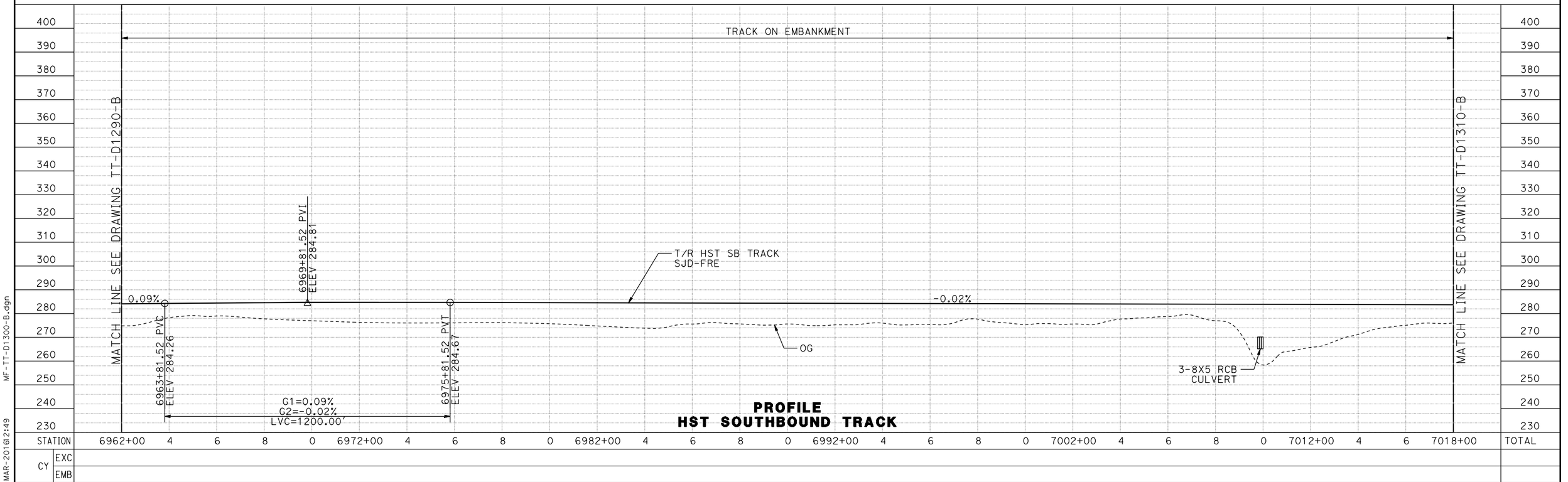


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

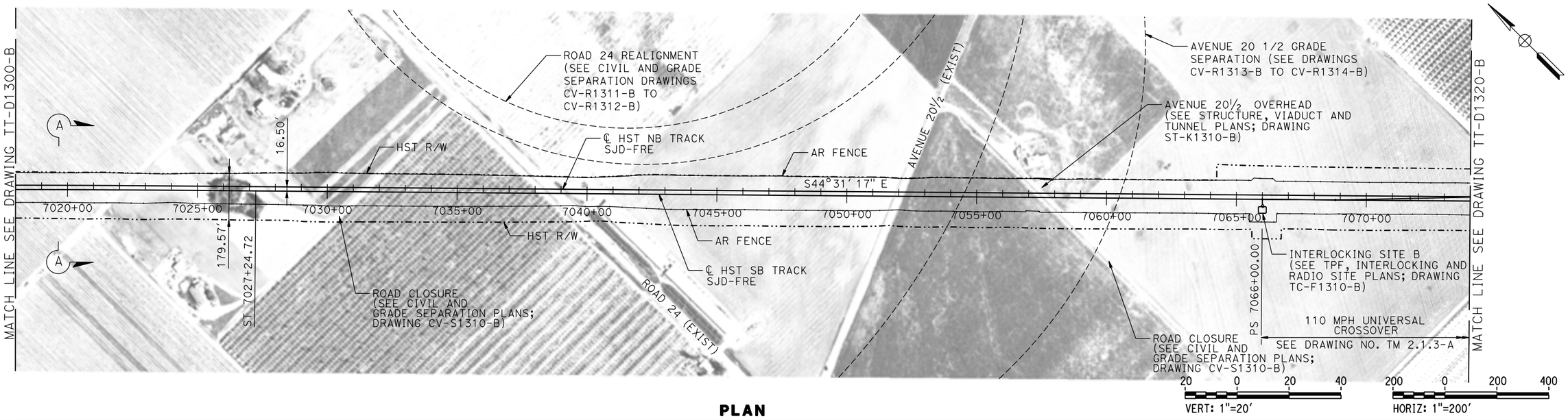
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6962+00 TO 7018+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1300-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1300-B.dgn
08-MAR-2016 12:49
p0042226

MADERA COUNTY



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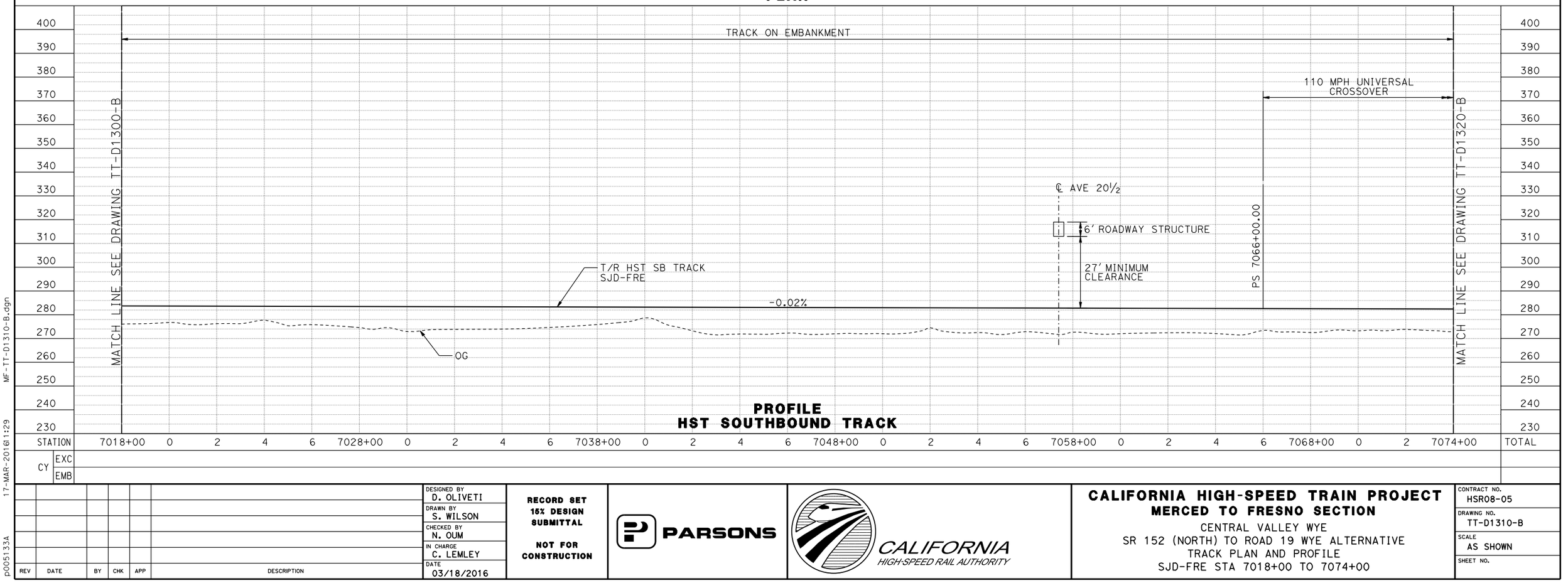


PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

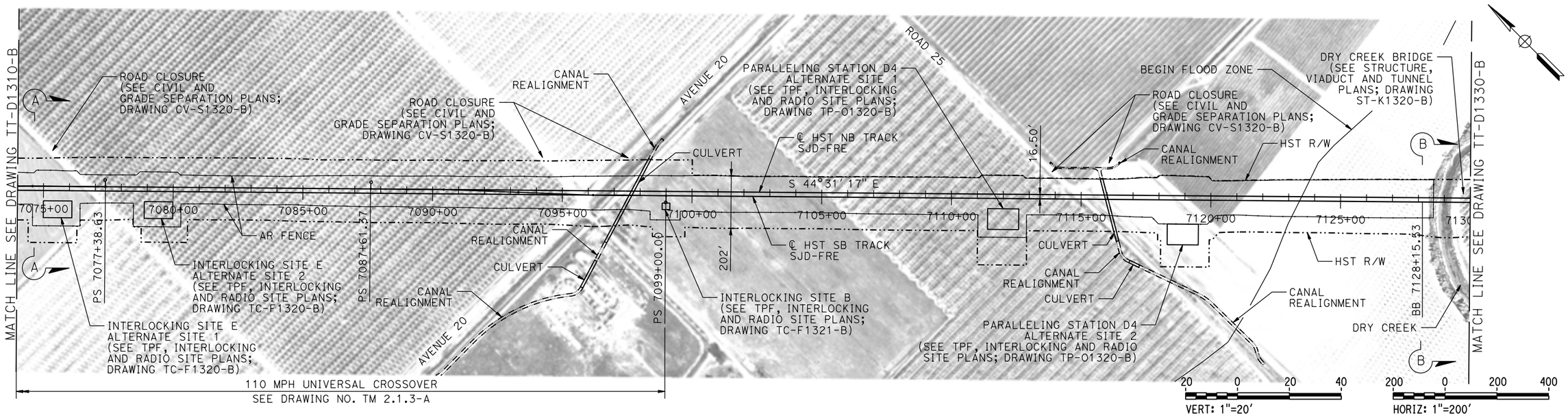
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

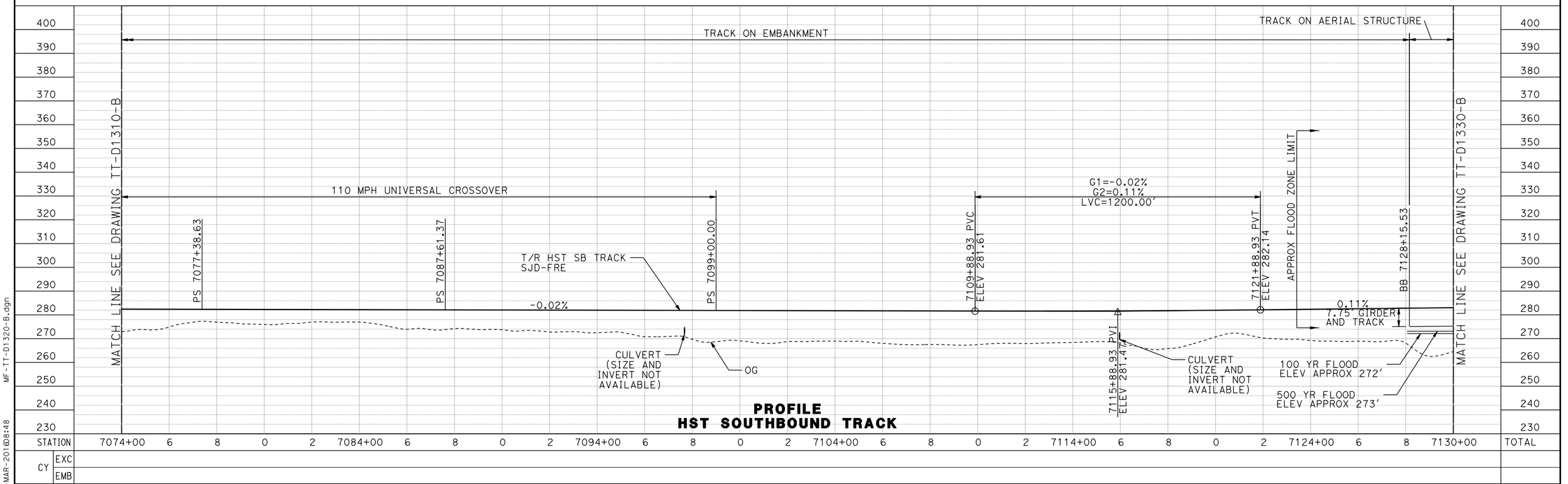
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7018+00 TO 7074+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1310-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1310-B.dgn
17-MAR-2016 1:29
p005133A

MADERA COUNTY





PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

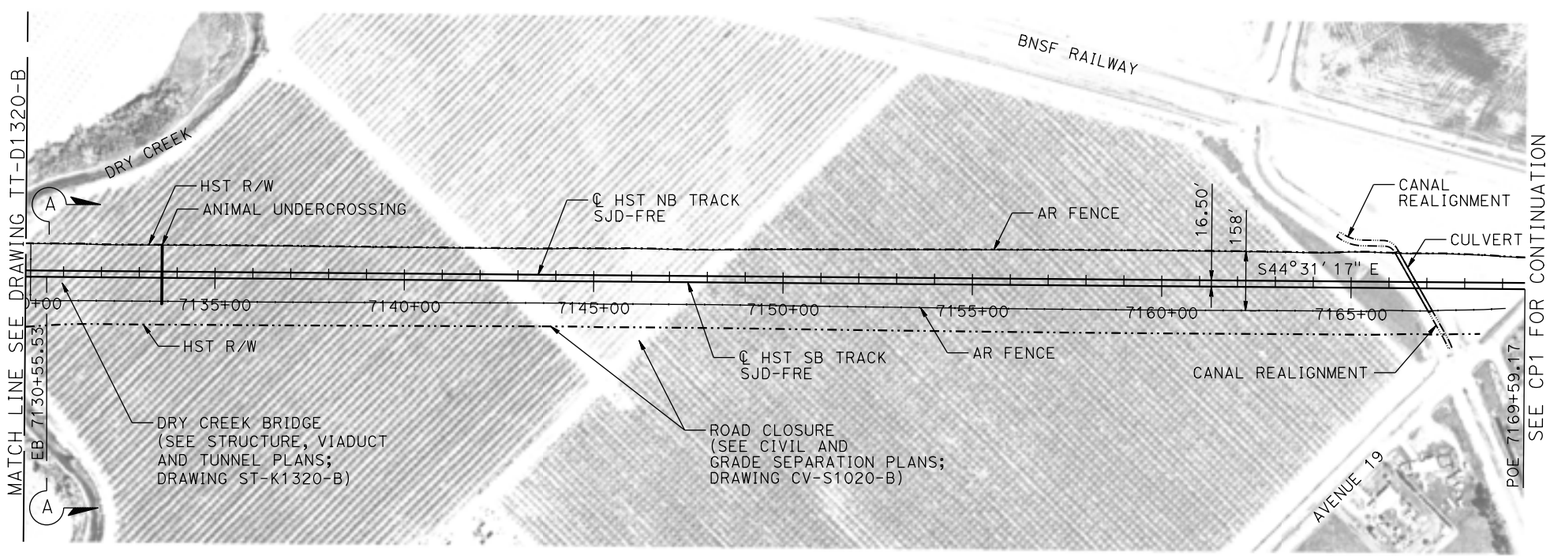
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7074+00 TO 7130+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1320-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1320-B.dgn
12-MAR-2016 08:48
p0042226

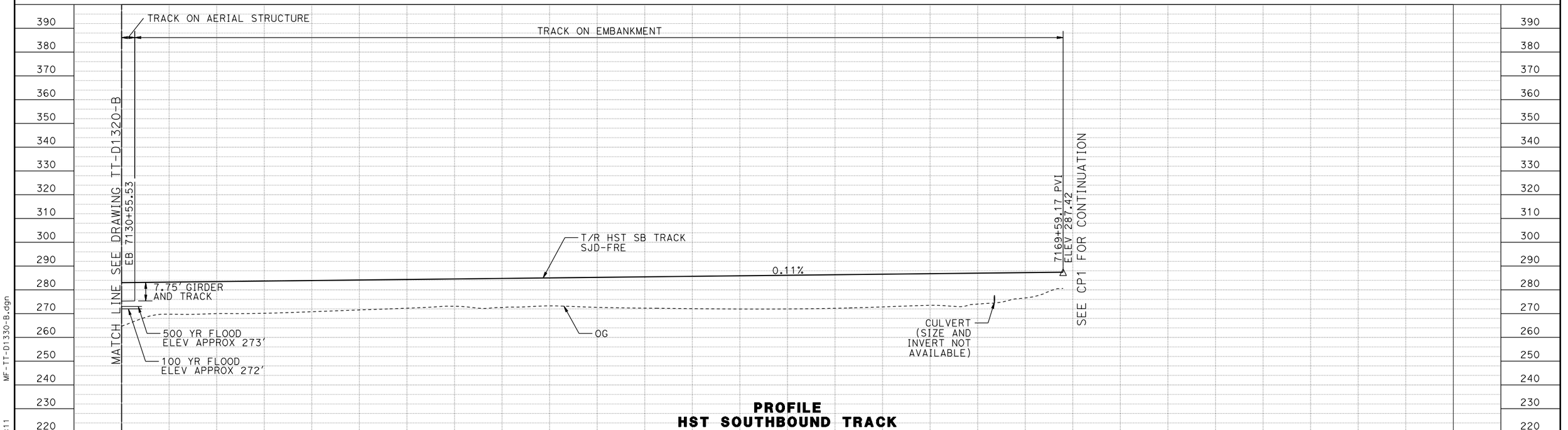
MADERA COUNTY



20 0 20 40 VERT: 1"=20'

200 0 200 400 HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

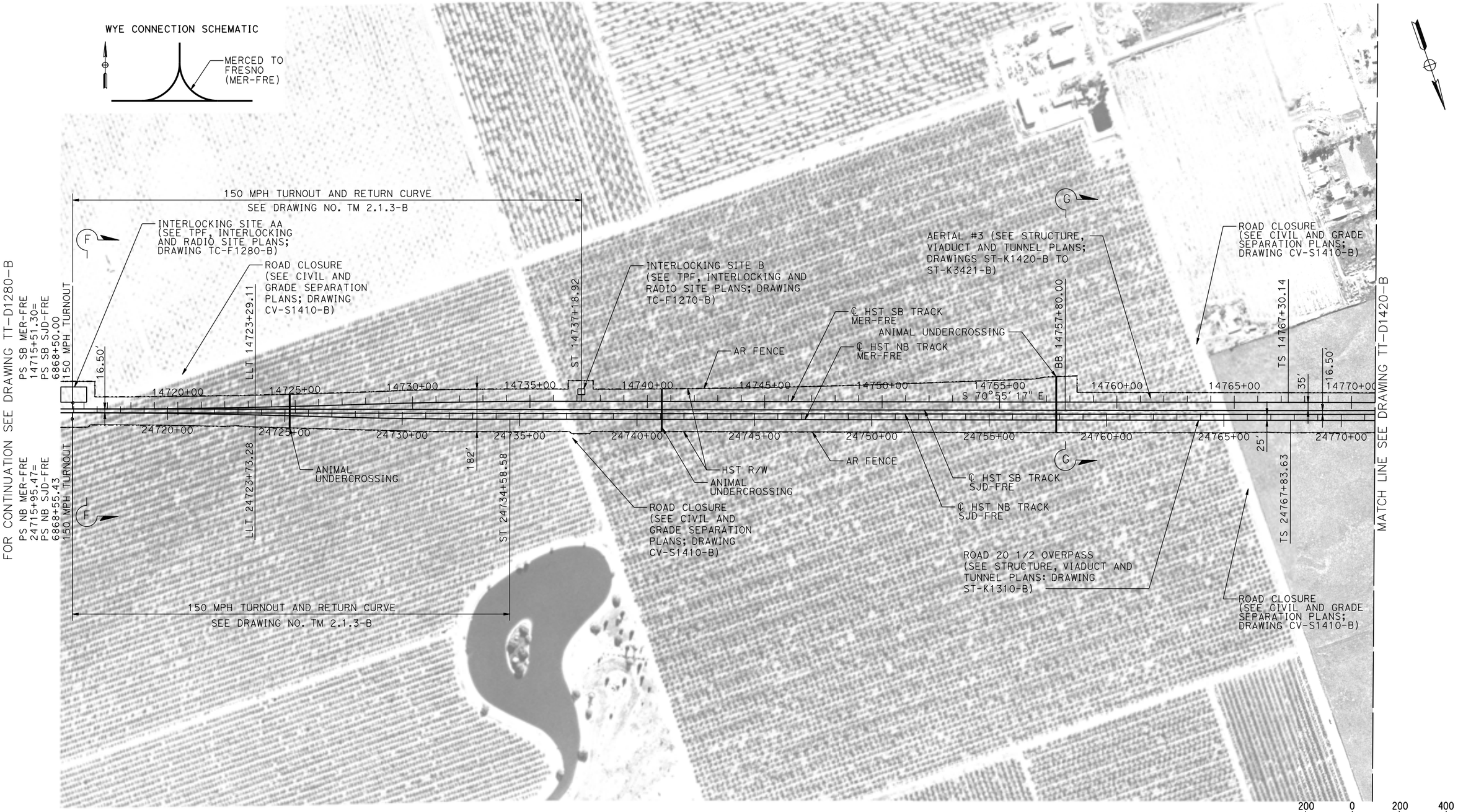
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7130+00 TO 7169+59.17

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1330-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1330-B.dgn
10-MAR-2016 6:11
p0042226

MADERA COUNTY



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

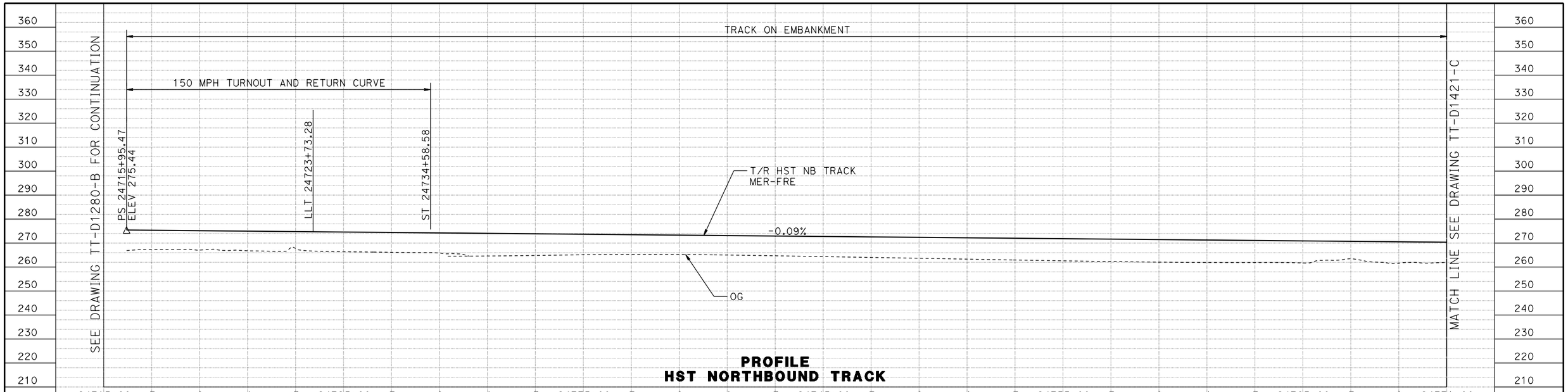
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

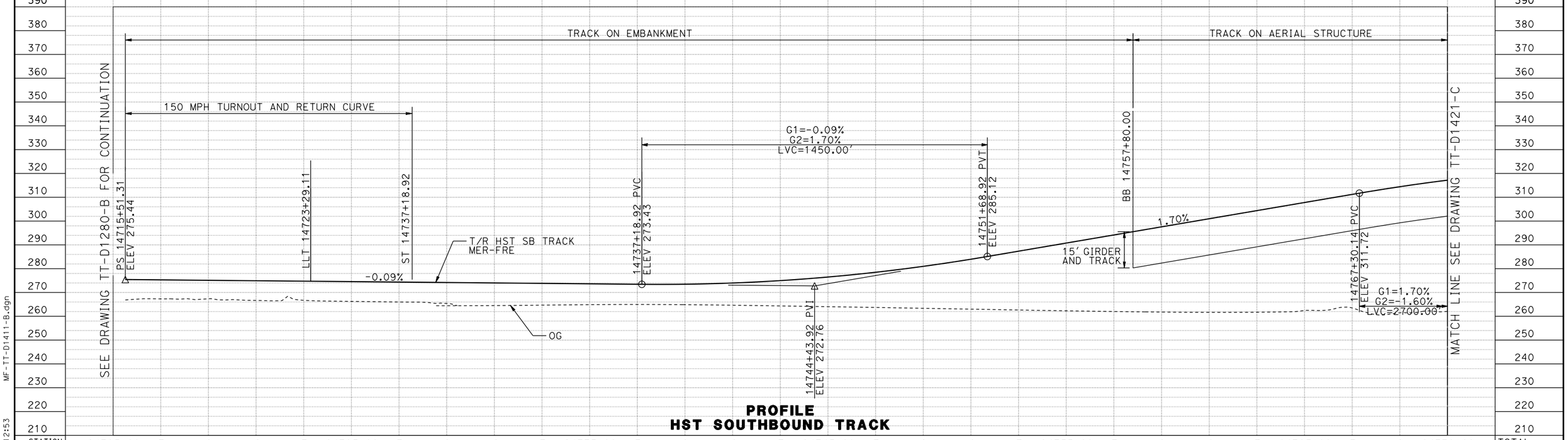
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14715+51.30 TO 14771+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1410-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1410-B.dgn
12-MAR-2016 08:48
p0042226



PROFILE
HST NORTHBOUND TRACK



PROFILE
HST SOUTHBOUND TRACK

STATION	14715+00 7 9 1 3 14725+00 7 9 1 3 14735+00 7 9 1 3 14745+00 7 9 1 3 14755+00 7 9 1 3 14765+00 7 9 14771+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14715+00 TO 14771+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1411-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1411-B.dgn
08-MAR-2016 12:53
p0042226

MADERA COUNTY

WYE CONNECTION SCHEMATIC

MERCED TO FRESNO (MER-FRE)

TRAIN CONTROL SITE D3 ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1260-B)

AVENUE 23

℄ HST SB TRACK SJD-FRE

HST R/W

AR FENCE

℄ HST NB TRACK SJD-FRE

TRAIN CONTROL SITE D3 ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1260-B)

AERIAL #3 (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1420-B TO ST-K3421-B)

ROAD 20

AR FENCE

HST R/W

CURVE MER-FRE 1 SB	
V	= 150 mph
R	= 10300.00
LS	= 1200′
EA/EU	= 6.00/2.74
MINIMUM	

SWITCHING STATION E ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01420-B)

℄ HST SB TRACK MER-FRE

EB 14807+40.00

67′

254′

ROAD 19 1/2

MATCH LINE SEE DRAWING TT-D1430-B

SC 14779+30.14

14775+00 14780+00 14785+00 14790+00 14795+00 14800+00 14805+00 14810+00 14815+00 14820+00 14825+00

24775+00 24780+00 24785+00 24790+00 24795+00 24800+00 24805+00 24810+00 24815+00 24820+00 24825+00

AR FENCE

HST R/W

℄ HST NB TRACK MER-FRE

ROAD 20 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARTAION PLANS; DRAWINGS CV-R1320-B TO CV-R1321-B)

CURVE MER-FRE 1 NB	
V	= 150 mph
R	= 10300.00
LS	= 1200′
EA/EU	= 6.00/2.74
MINIMUM	

MATCH LINE SEE DRAWING TT-D1410-B

SC 24779+83.63

ROAD 20 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS: DRAWING ST-K1425-B)

200 0 200 400

1"=200′

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

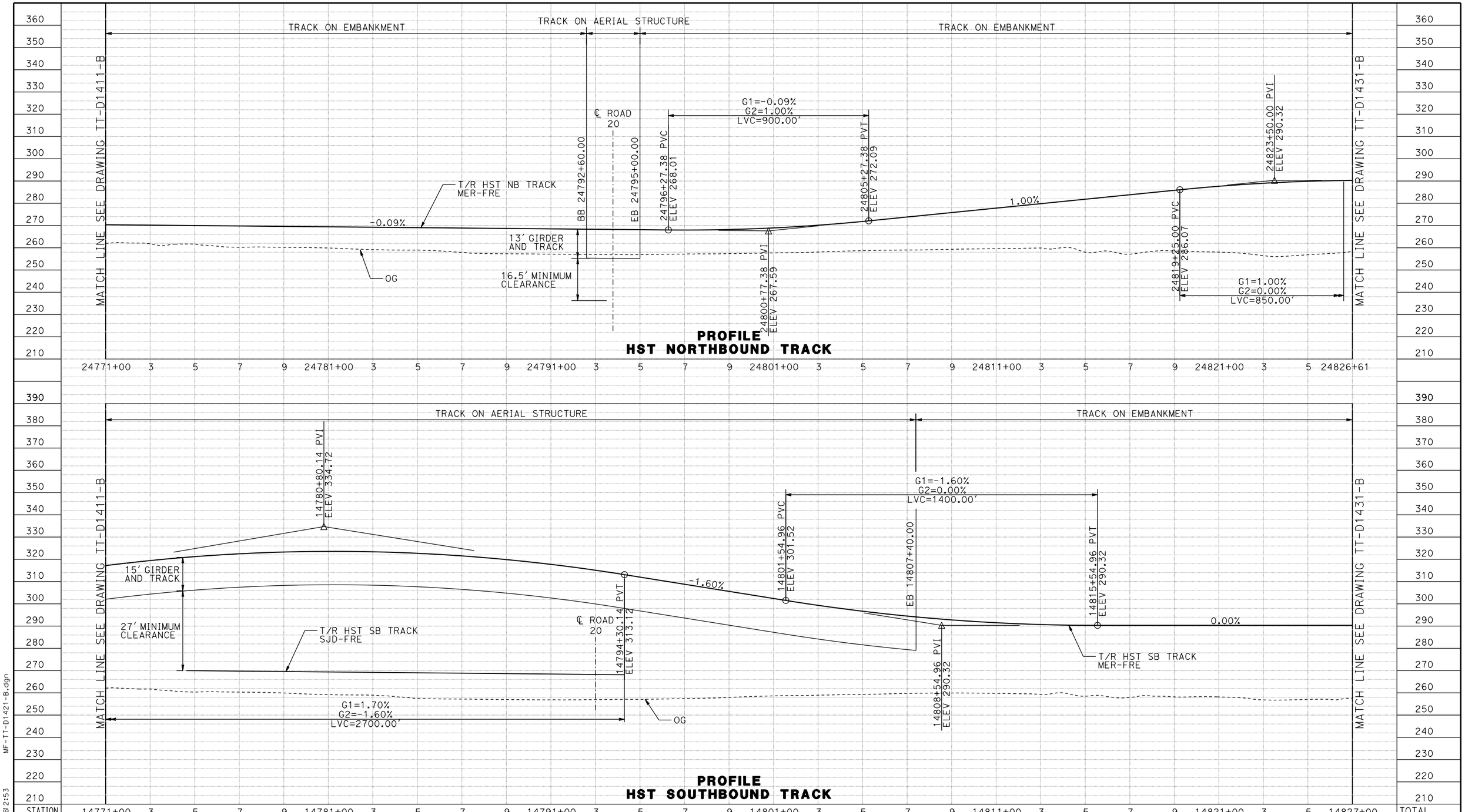
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14771+00 TO 14827+00

CONTRACT NO. HST02-05
DRAWING NO. TT-D1420-B
SCALE AS SHOWN
SHEET NO.

03-MAR-2016 07:07 MF-TT-D1420-B.dgn p0042226



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	14771+00 3 5 7 9 14781+00 3 5 7 9 14791+00 3 5 7 9 14801+00 3 5 7 9 14811+00 3 5 7 9 14821+00 3 5 14827+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

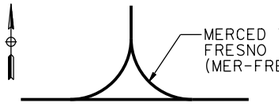
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14771+00 TO 14827+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1421-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1421-B.dgn
08-MAR-2016 2:53
p0042226

WYE CONNECTION SCHEMATIC



MADERA COUNTY

ROAD 19

AVENUE 23 1/2

AVENUE 24

℄ HST NB TRACK
SJD-MER

℄ HST SB TRACK
SJD-MER

AR FENCE

HST R/W

CALIFA CANAL

CURVE MER-FRE 1 SB
V = 150 mph
R = 10300.00
LS = 1200'
EA/EU= 6.00/2.74
MINIMUM

TRAIN CONTROL SITE D4
ALTERNATE SITE 1
(SEE TPF, INTERLOCKING
AND RADIO SITE PLANS;
DRAWING TC-F1430-B)

TRAIN CONTROL SITE D4
ALTERNATE SITE 2
(SEE TPF, INTERLOCKING AND
RADIO SITE PLANS; DRAWING
TC-F1431-B)

HST R/W

AR FENCE

℄ HST SB TRACK
MER-FRE

272'

48'

BB 14831+75.40

EB 14834+15.40

BB 14862+18.00

EB 14864+58.00

14830+00 14835+00 14840+00 14845+00 14850+00 14855+00 14860+00 14865+00 14870+00 14875+00 14880+00

24830+00 24835+00 24840+00 24845+00 24850+00 24855+00 24860+00 24865+00 24870+00 24875+00 24880+00

℄ HST NB TRACK
MER-FRE

CURVE MER-FRE 1 NB
V = 150 mph
R = 10300.00
LS = 1200'
EA/EU= 6.00/2.74
MINIMUM

BB 24831+31.50

EB 24833+71.50

BB 24861+90.00

EB 24864+30.00

ANIMAL UNDERCROSSING

AR FENCE

HST R/W

SWITCHING STATION E
ALTERNATE SITE 2
(SEE TPF, INTERLOCKING
AND RADIO SITE PLANS;
DRAWING TP-01430-B)

MADISON ROAD
(AVENUE 23 1/2)
UNDERPASS (SEE
STRUCTURE, VIADUCT
AND TUNNEL PLANS;
DRAWING ST-K1430-B)

AVENUE 24 UNDERPASS
(SEE STRUCTURE, VIADUCT
AND TUNNEL PLANS;
DRAWING ST-K1435-B)

MATCH LINE SEE DRAWING TT-D1420-B

MATCH LINE SEE DRAWING TT-D1440-B

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14827+00 TO 14883+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1430-B
SCALE AS SHOWN
SHEET NO.

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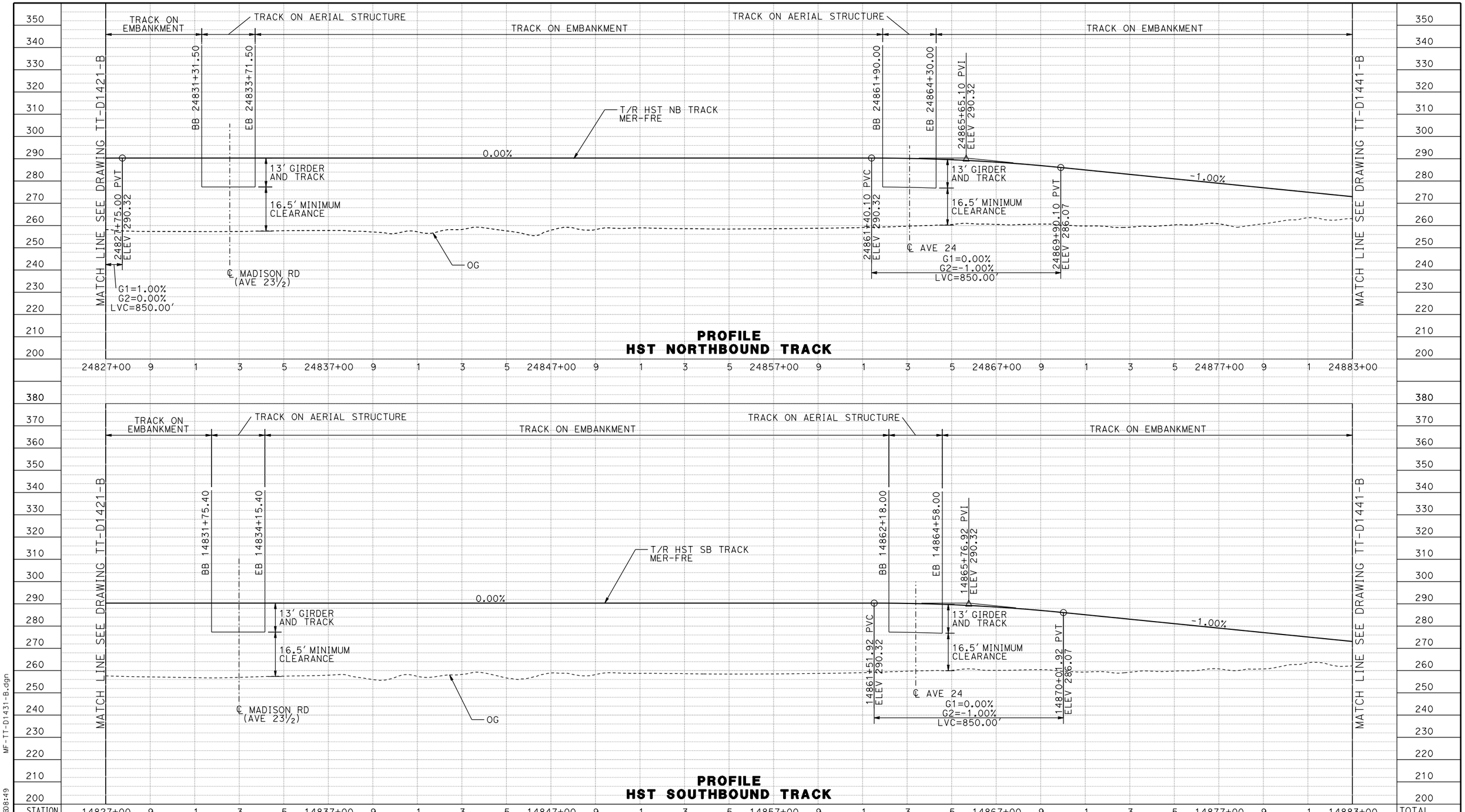


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

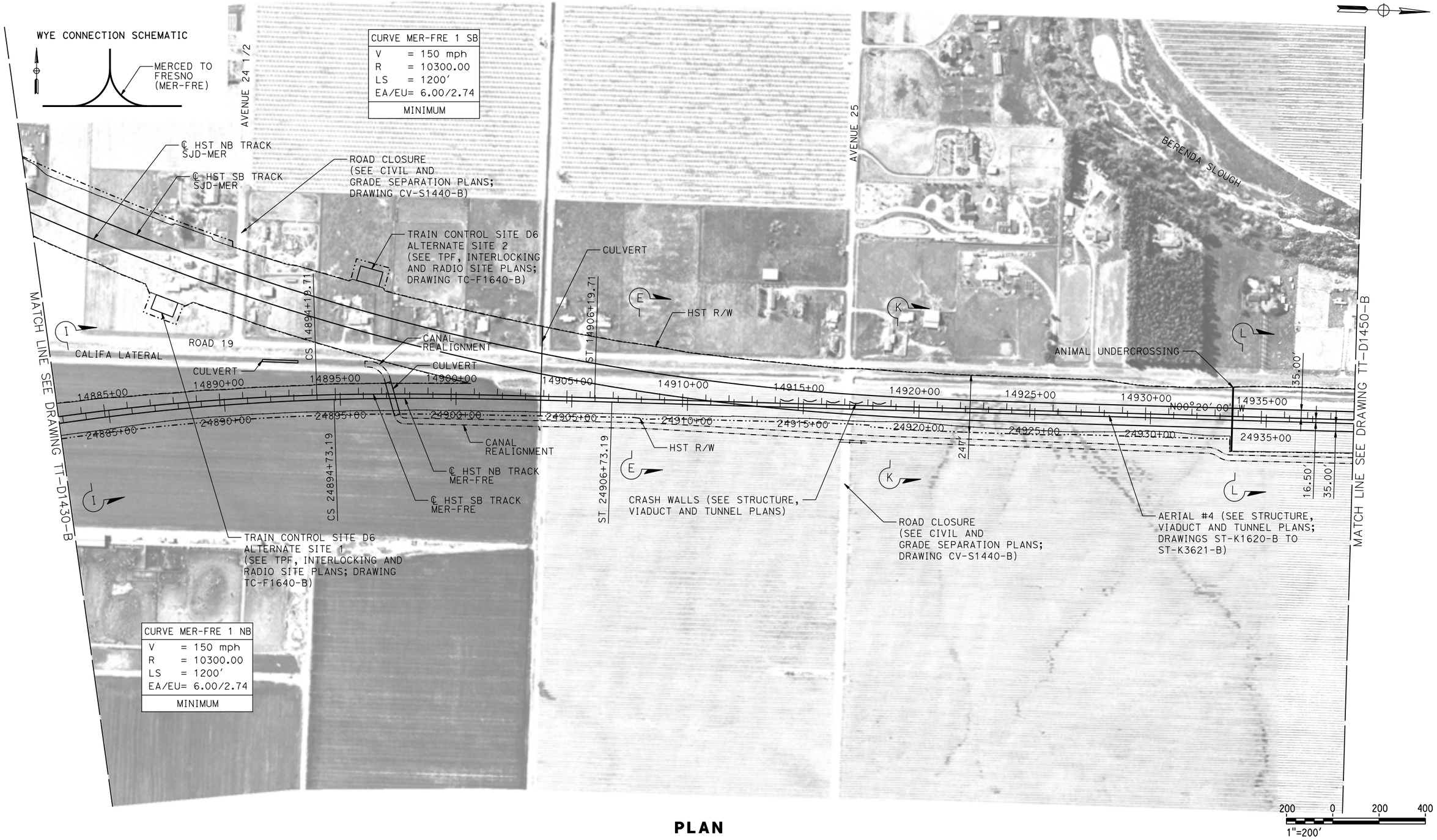
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14827+00 TO 14833+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1431-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1431-B.dgn
12-MAR-2016 08:49
p0042226

MADERA COUNTY



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14883+00 TO 14939+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1440-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1440-B.dgn
12-MAR-2016 8:49
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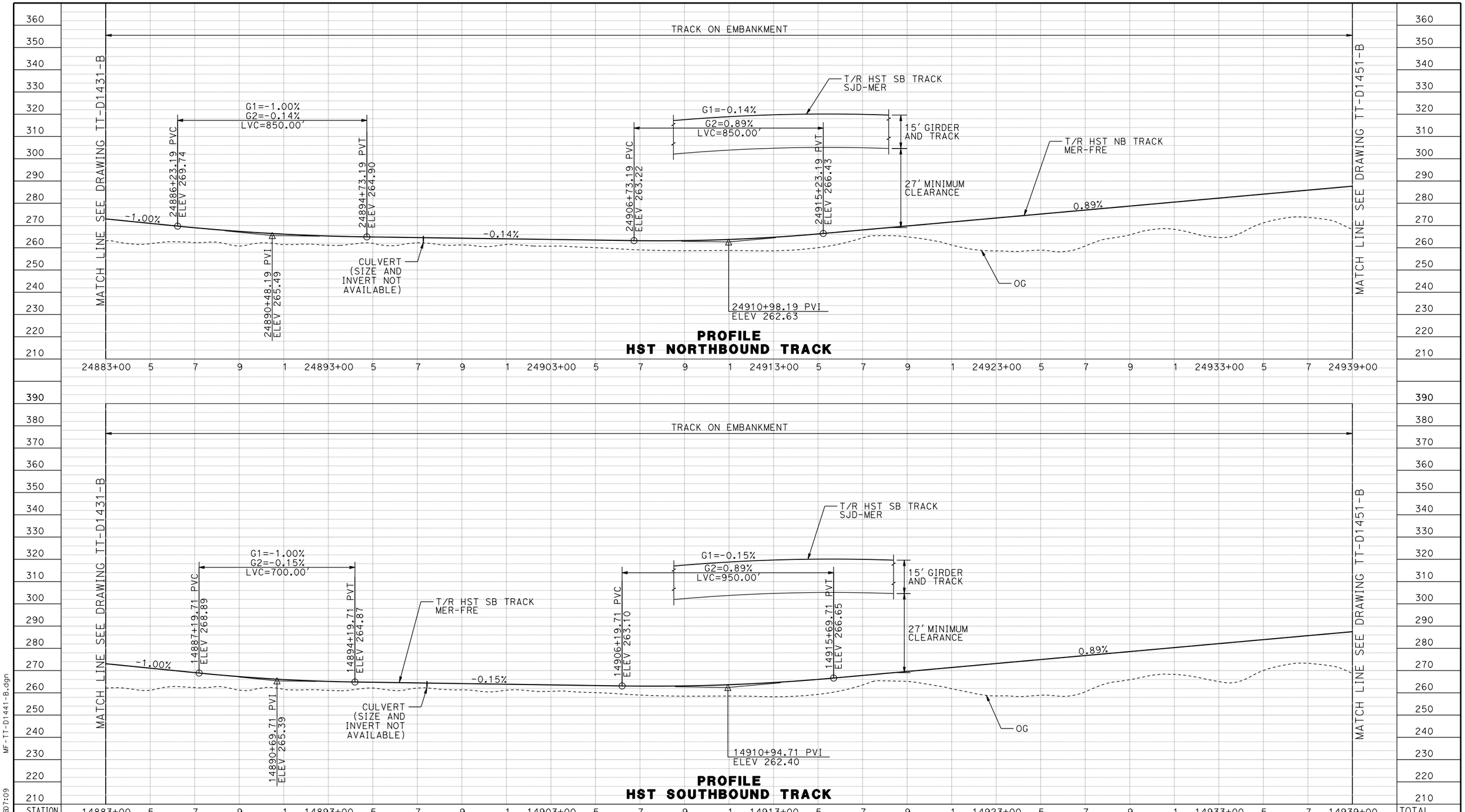

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14883+00 TO 14939+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1441-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1441-B.dgn
03-MAR-2016 07:09
p0042226

WYE CONNECTION SCHEMATIC

MERCED TO FRESNO (MER-FRE)

MADERA COUNTY

AVENUE 26

150 MPH TURNOUT
SEE DRAWING NO. TM 2.1.3-B

FAUST AVENUE (AVENUE 26) UNDERPASS
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1455-B)

MATCH LINE SEE DRAWING TT-D1440-B

MATCH LINE SEE DRAWING TT-D1460-B

AR FENCE

HST R/W

35.00'

16.50'

BB 14947+05.00

℄ HST SB TRACK SJD-MER

EB 14956+95.00

AR FENCE

BB 14969+01.00

EB 14971+01.00

LLT 14972+22.19

PS SB SJD-MER 36857+28.63=
PS SB MER-FRE 14980+00.00

℄ HST SB TRACK MER-FRE

ANIMAL UNDERCROSSING ROAD 19

14940+00 | 14945+00 | 14950+00 | N 00°20'00" W | 14955+00 | 14960+00 | 14965+00 | 14970+00 | 14975+00 | 14980+00 | 14985+00 | 14990+00 | 14995+00

24940+00 | 24945+00 | 24950+00 | 24955+00 | 24960+00 | 24965+00 | 24970+00 | 24975+00 | 24980+00 | 24985+00 | 24990+00 | 24995+00

AR FENCE

HST R/W

35.00'

℄ HST NB TRACK SJD-MER

BERENDA SLOUGH

INTERLOCKING SITE B
(SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1450-B)

CANAL REALIGNMENT

BERENDA SLOUGH BRIDGE
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1450-B AND ST-K3450-B)

CALIFA LATERAL

LEVEE ROAD

LLT 24972+00.38

PS NB SJD-MER 46858+61.59=
PS NB MER-FRE 24979+78.19

℄ HST NB TRACK MER-FRE

208'

INTERLOCKING SITE AA
(SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1451-B)

150 MPH TURNOUT
SEE DRAWING NO. TM 2.1.3-B

MAIN CANAL

PLAN

200 0 200 400
1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

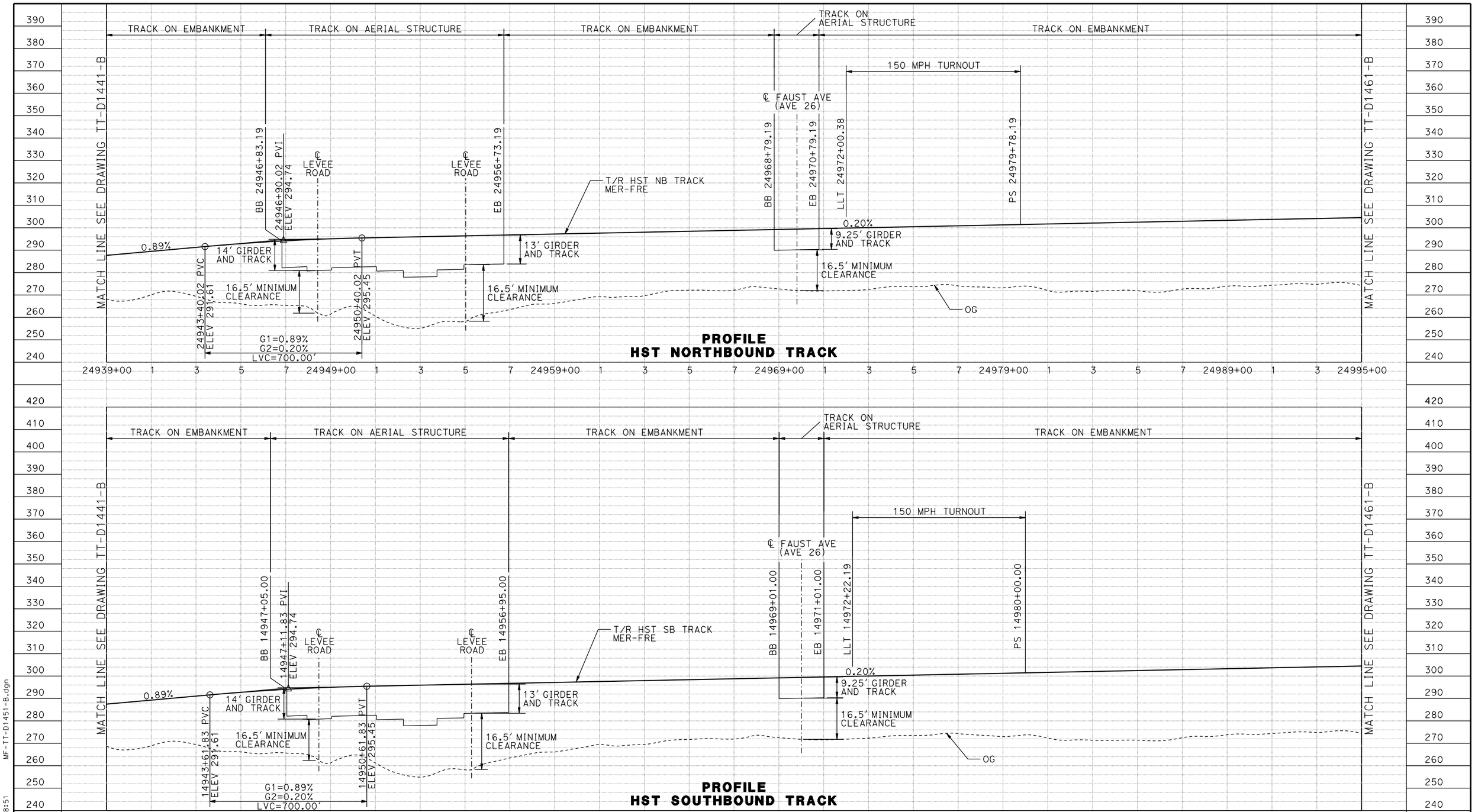
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14939+00 TO 14995+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1450-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1450-B.dgn
12-MAR-2016 08:50
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

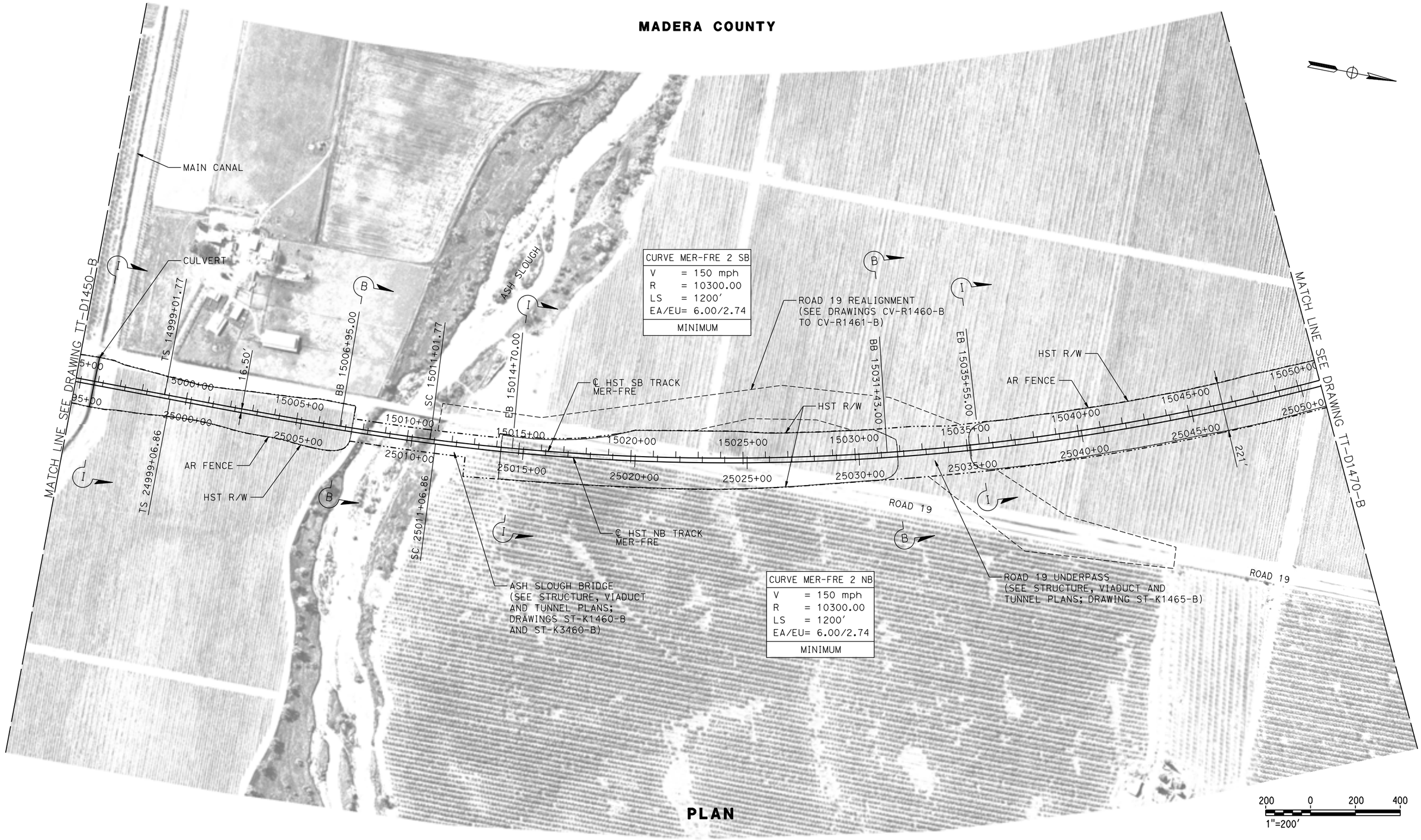
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14939+00 TO 14995+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1451-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1451-B.dgn
12-MAR-2016 08:51
p0042226

MADERA COUNTY



CURVE MER-FRE 2 SB	
V	= 150 mph
R	= 10300.00
LS	= 1200'
EA/EU	= 6.00/2.74
MINIMUM	

CURVE MER-FRE 2 NB	
V	= 150 mph
R	= 10300.00
LS	= 1200'
EA/EU	= 6.00/2.74
MINIMUM	

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

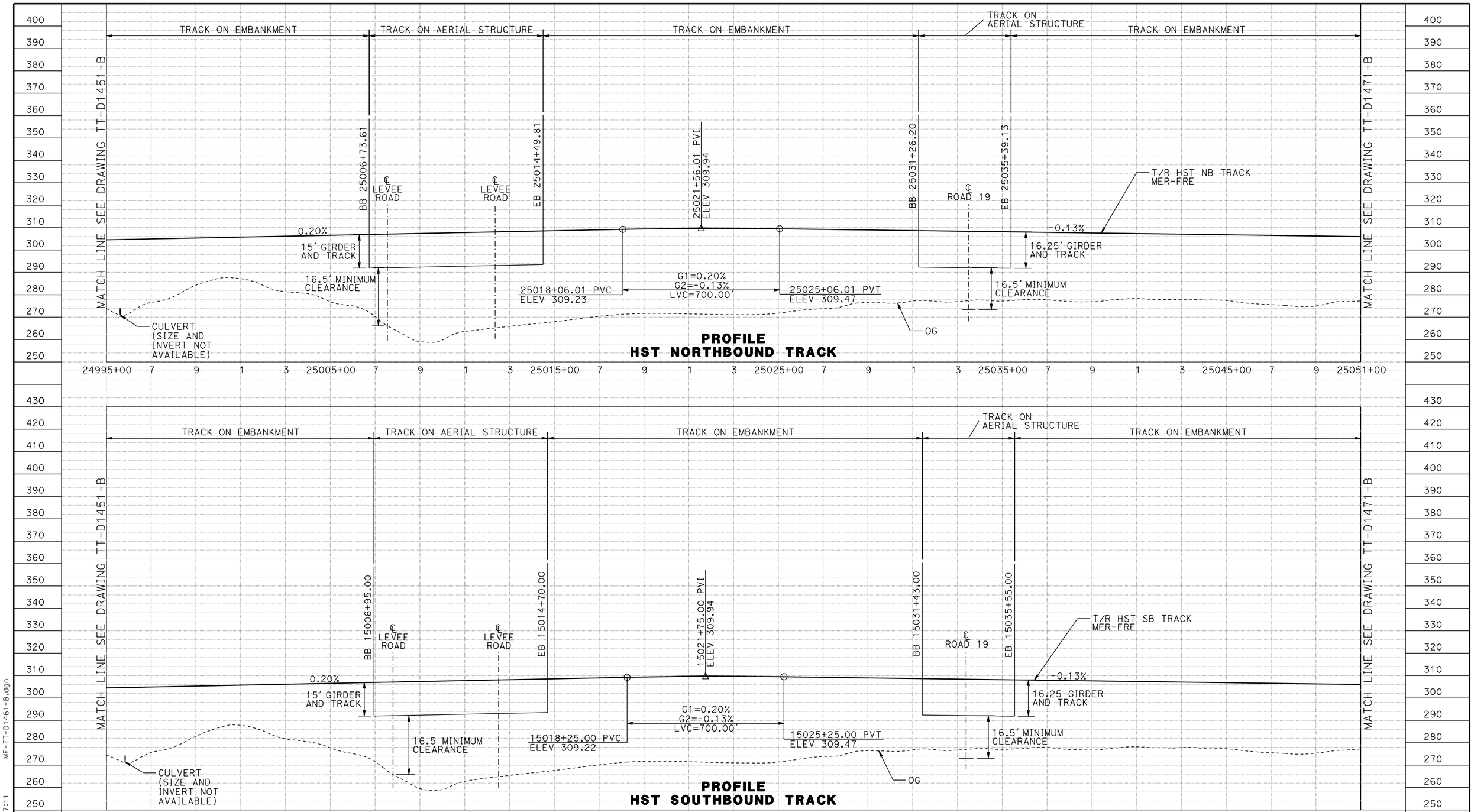
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 14995+00 TO 15051+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1460-B
SCALE AS SHOWN
SHEET NO.

03-MAR-2016 07:10 MF-TT-D1460-B.dgn
p0042226



STATION	14995+00	7	9	1	3	15005+00	7	9	1	3	15015+00	7	9	1	3	15025+00	7	9	1	3	15035+00	7	9	1	3	15045+00	7	9	15051+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 14995+00 TO 15051+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1461-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1461-B.dgn
03-MAR-2016 07:11
p0042226

MADERA COUNTY

CURVE MER-FRE 2 SB
V = 150 mph
R = 10300.00
LS = 1200'
EA/EU= 6.00/2.74
MINIMUM

MATCH LINE SEE DRAWING TT-D1460-B

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

AR FENCE

HST R/W

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

CHOWCHILLA RIVER BRIDGE (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1480-B AND ST-K3480-B)

MATCH LINE SEE DRAWING TT-D1480-B

BB 15106+65.00

BB 25106+67.00

15055+00 15060+00 15065+00 15070+00 15075+00 15080+00 15085+00 15090+00 15095+00 15100+00 15105+00

25055+00 25060+00 25065+00 25070+00 25075+00 25080+00 25085+00 25090+00 25095+00 25100+00 25105+00

215'

29'

℄ HST SB TRACK MER-FRE

℄ HST NB TRACK MER-FRE

HST R/W

AR FENCE

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

ANIMAL UNDERCROSSING

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

PARALLELING STATION E1 ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-01470-B)

PARALLELING STATION E1 ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-01470-B)

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1470-B)

CURVE MER-FRE 2 NB
V = 150 mph
R = 10300.00
LS = 1200'
EA/EU= 6.00/2.74
MINIMUM

ROAD 19

CHOWCHILLA RIVER

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

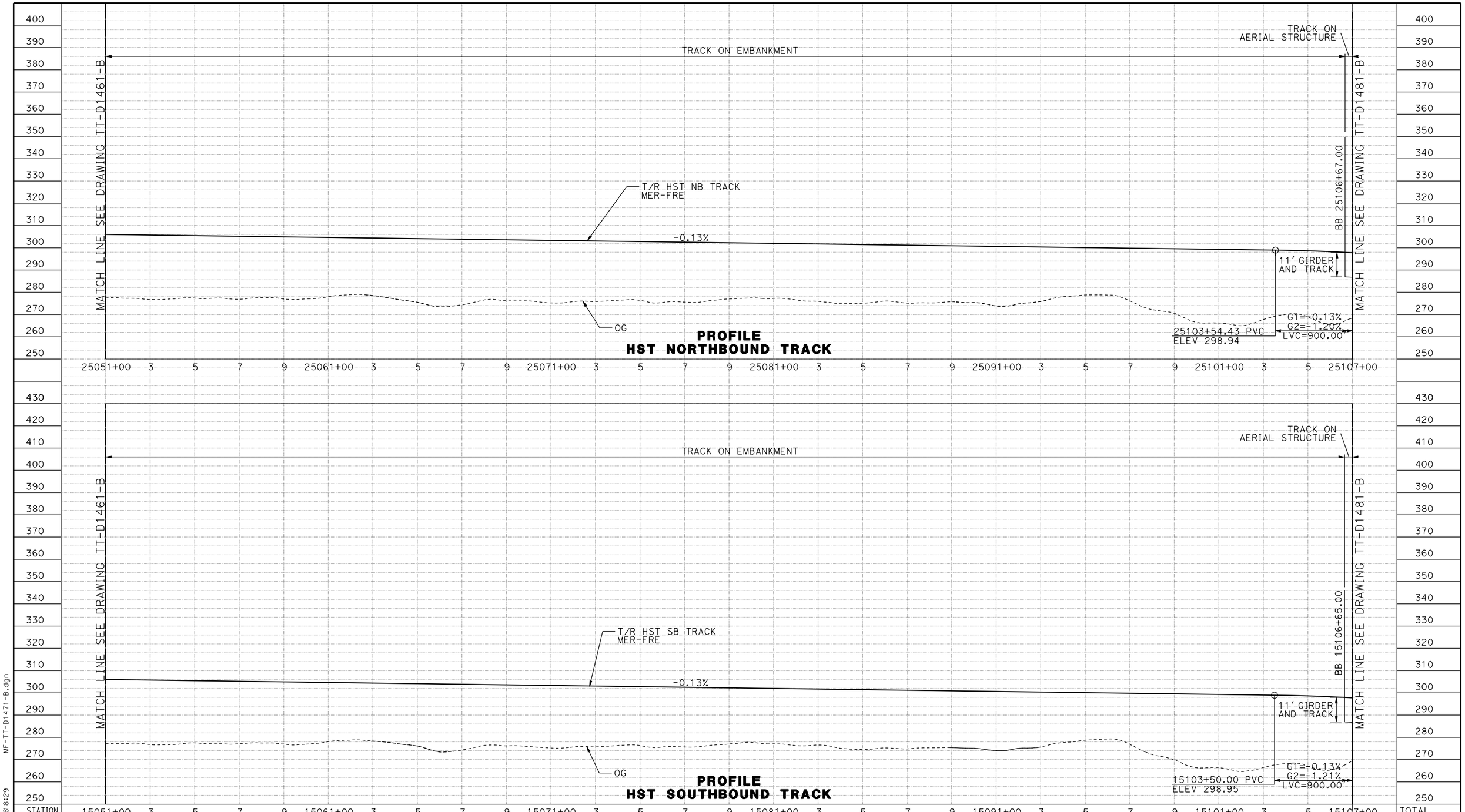
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15051+00 TO 15107+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1470-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1470-B.dgn
08-MAR-2016 2:56
p0042226


TRACK ON EMBANKMENT
TRACK ON AERIAL STRUCTURE
MATCH LINE SEE DRAWING TT-D1461-B
MATCH LINE SEE DRAWING TT-D1481-B
T/R HST NB TRACK MER-FRE
-0.13%
BB 25106+67.00
11' GIRDER AND TRACK
OG
G1=-0.13%
G2=-1.20%
LVC=900.00
25103+54.43 PVC
ELEV 298.94
PROFILE
HST NORTHBOUND TRACK
25051+00 3 5 7 9 25061+00 3 5 7 9 25071+00 3 5 7 9 25081+00 3 5 7 9 25091+00 3 5 7 9 25101+00 3 5 25107+00
TRACK ON EMBANKMENT
TRACK ON AERIAL STRUCTURE
MATCH LINE SEE DRAWING TT-D1461-B
MATCH LINE SEE DRAWING TT-D1481-B
T/R HST SB TRACK MER-FRE
-0.13%
BB 15106+65.00
11' GIRDER AND TRACK
OG
G1=-0.13%
G2=-1.21%
LVC=900.00
15103+50.00 PVC
ELEV 298.95
PROFILE
HST SOUTHBOUND TRACK
15051+00 3 5 7 9 15061+00 3 5 7 9 15071+00 3 5 7 9 15081+00 3 5 7 9 15091+00 3 5 7 9 15101+00 3 5 15107+00

| | | |

MADERA COUNTY

MERCED COUNTY

CHOWCHILLA RIVER BRIDGE (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1480-B AND ST-K3480-B)

CHOWCHILLA RIVER

HST R/W

AR FENCE

℄ HST SB TRACK MER-FRE

ANIMAL UNDERCROSSING

ANIMAL UNDERCROSSING

HST R/W

AR FENCE

℄ HST NB TRACK MER-FRE

EB 15114+75.00

EB 25114+77.00

CS 15160+21.90

CS 25160+26.15

MATCH LINE SEE DRAWING TT-D1470-B

MATCH LINE SEE DRAWING TT-D1490-B

MADERA COUNTY
MERCED COUNTY

CURVE MER-FRE 2 SB
V = 150 mph
R = 10300.00
LS = 1200′
EA/EU= 6.00/2.74
MINIMUM

CURVE MER-FRE 2 NB
V = 150 mph
R = 10300.00
LS = 1200′
EA/EU= 6.00/2.74
MINIMUM

200 0 200 400
1"=200′

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

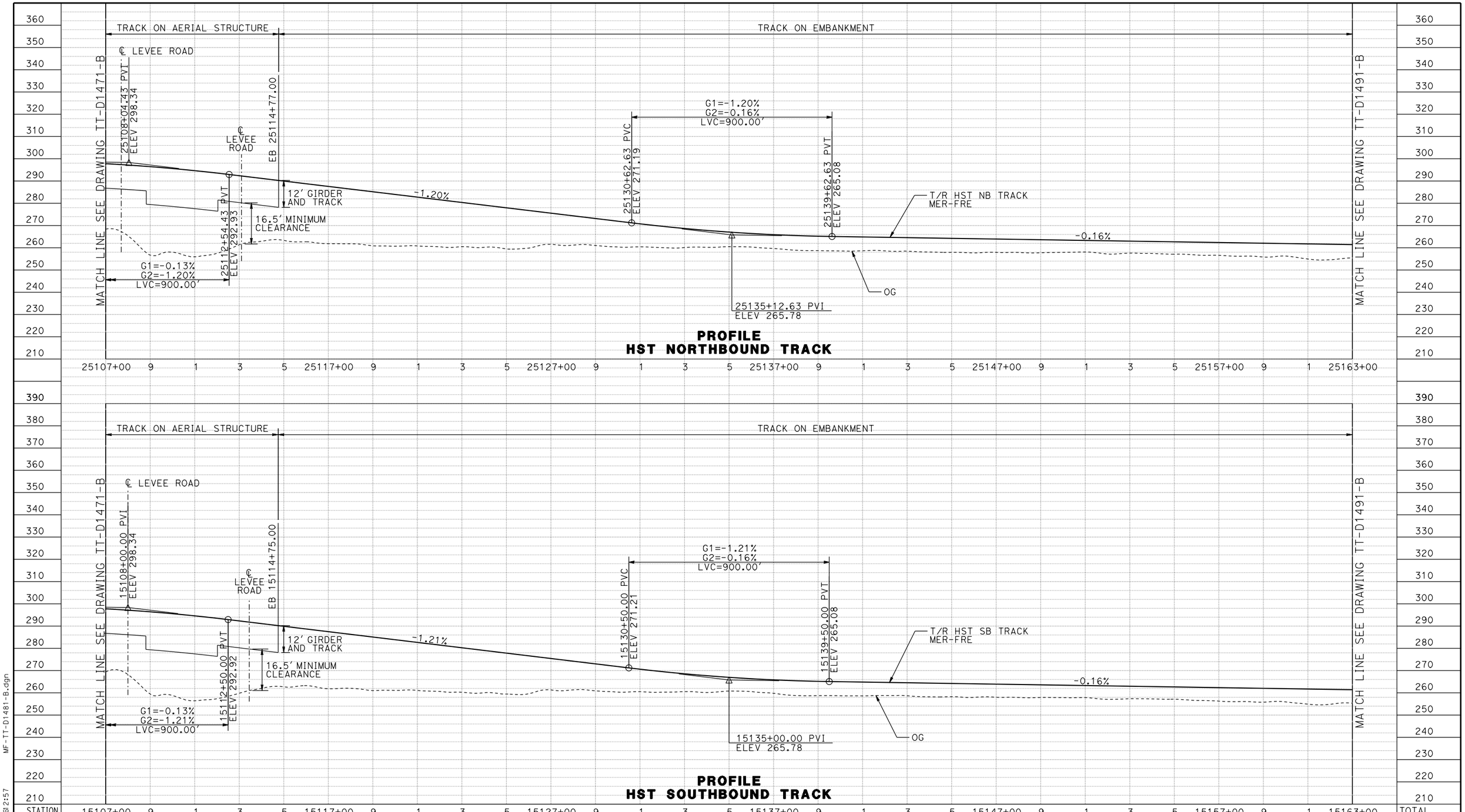
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15107+00.00 TO 15163+00.00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1480-B
SCALE AS SHOWN
SHEET NO.

08-MAR-2016 2:57
MF-TT-D1480-B.dgn
p0042226



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	15107+00	9	1	3	5	15117+00	9	1	3	5	15127+00	9	1	3	5	15137+00	9	1	3	5	15147+00	9	1	3	5	15157+00	9	1	15163+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

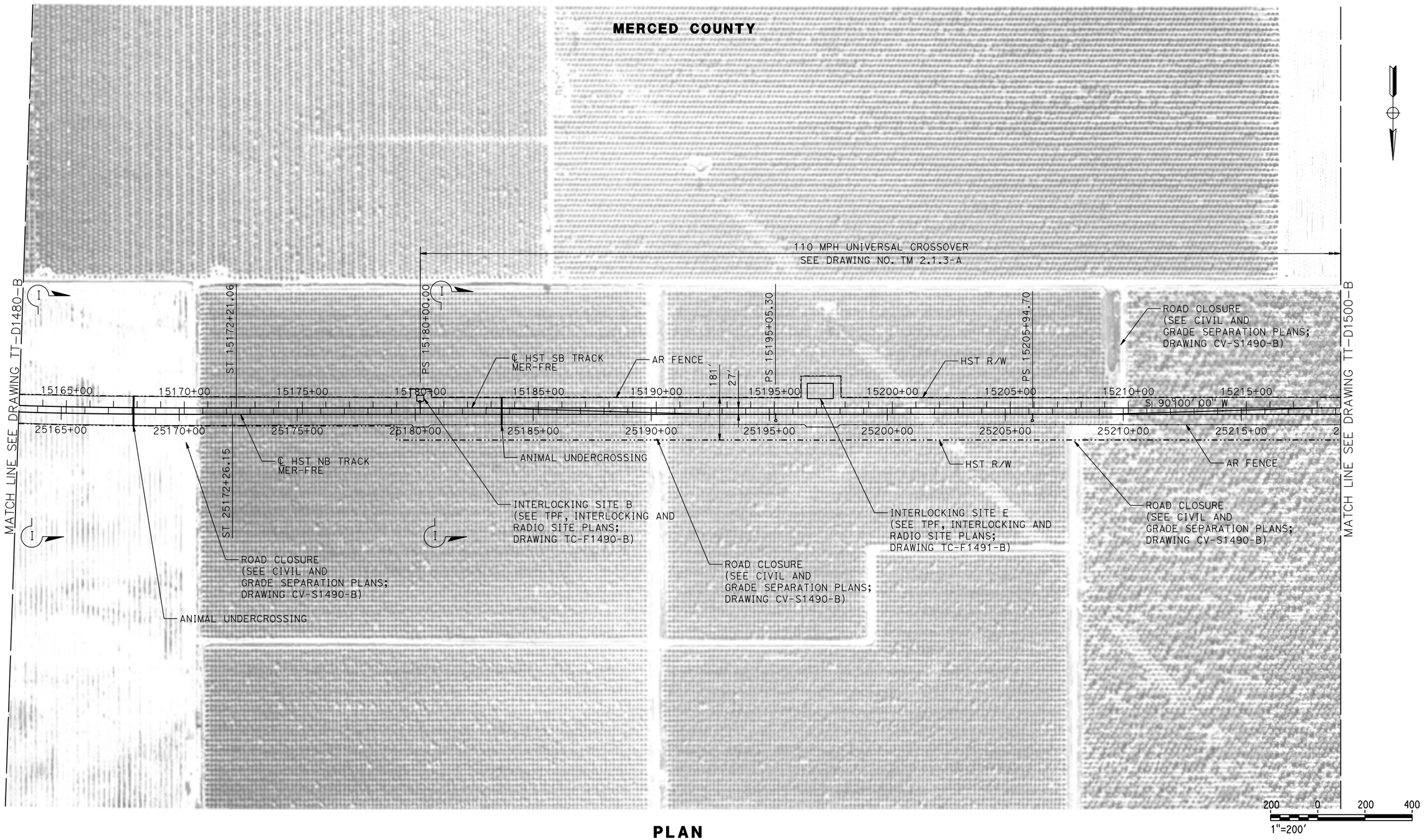
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15107+00 TO 15163+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1481-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1481-B.dgn
08-MAR-2016 2:57
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15163+00.00 TO 15219+00.00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1490-B
SCALE AS SHOWN
SHEET NO.

12-MAR-2016 08:51
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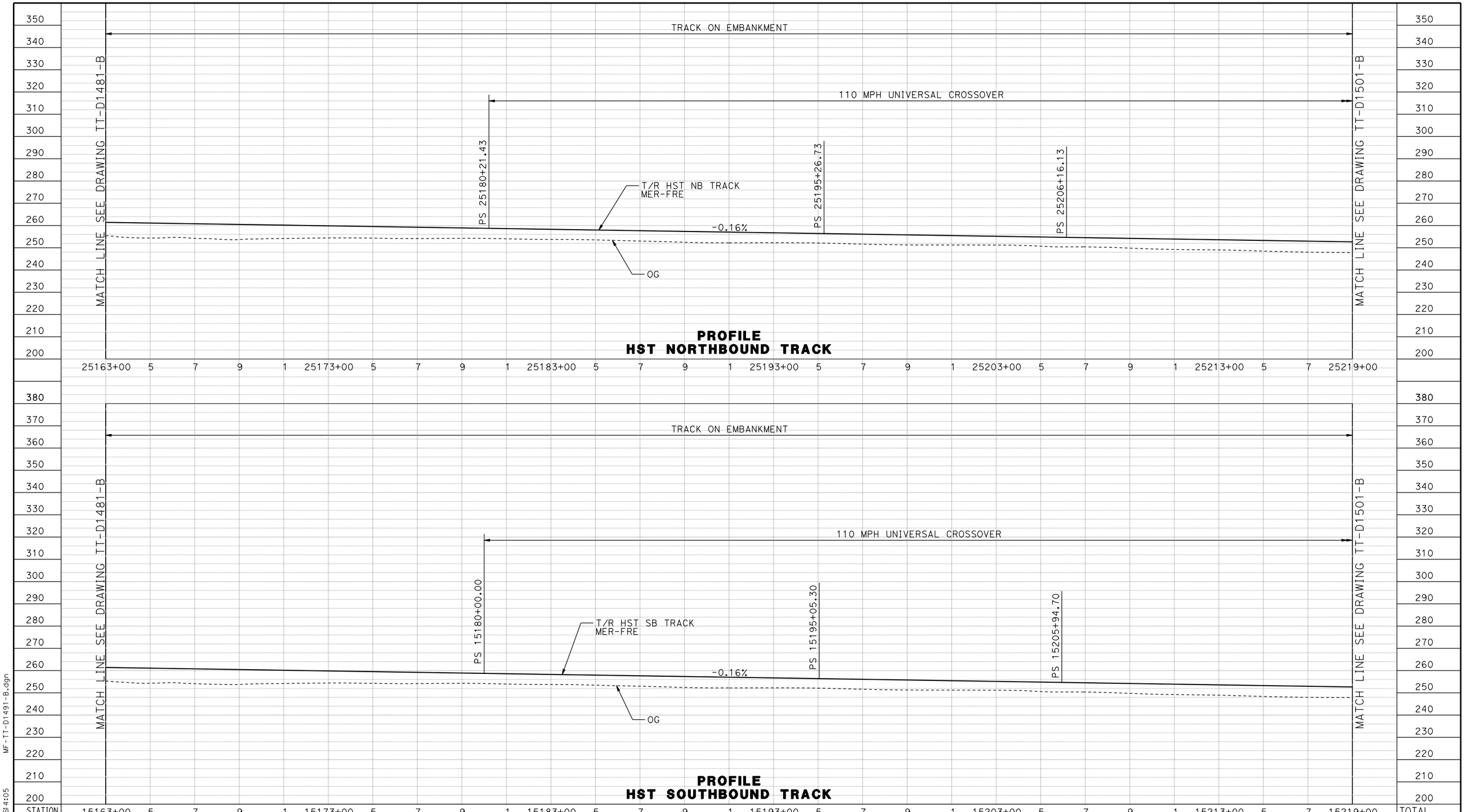
p0042226



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	15163+00 5 7 9 1 15173+00 5 7 9 1 15183+00 5 7 9 1 15193+00 5 7 9 1 15203+00 5 7 9 1 15213+00 5 7 15219+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15163+00 TO 15219+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1491-B
SCALE AS SHOWN
SHEET NO.

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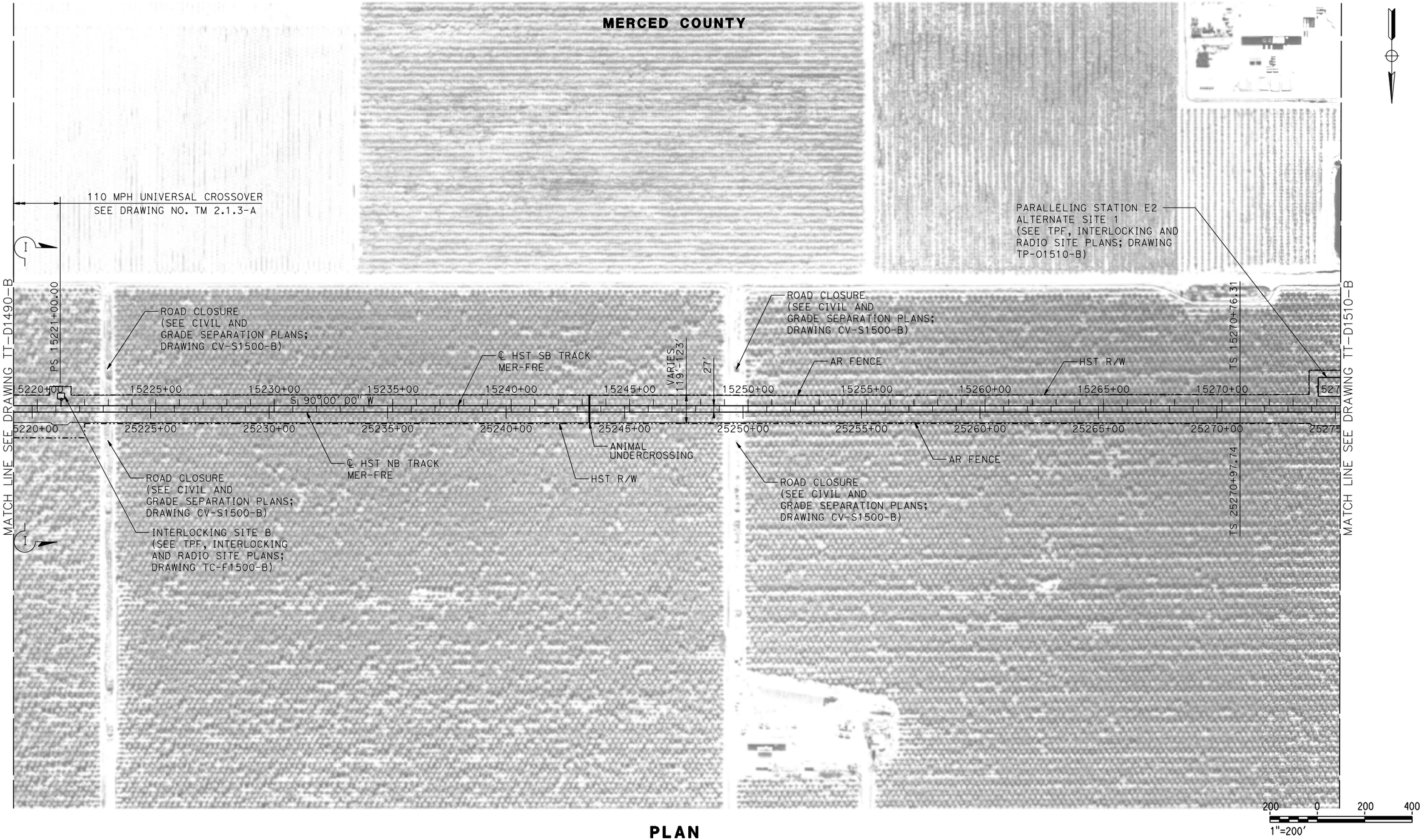
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15219+00 TO 15275+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1500-B
SCALE AS SHOWN
SHEET NO.

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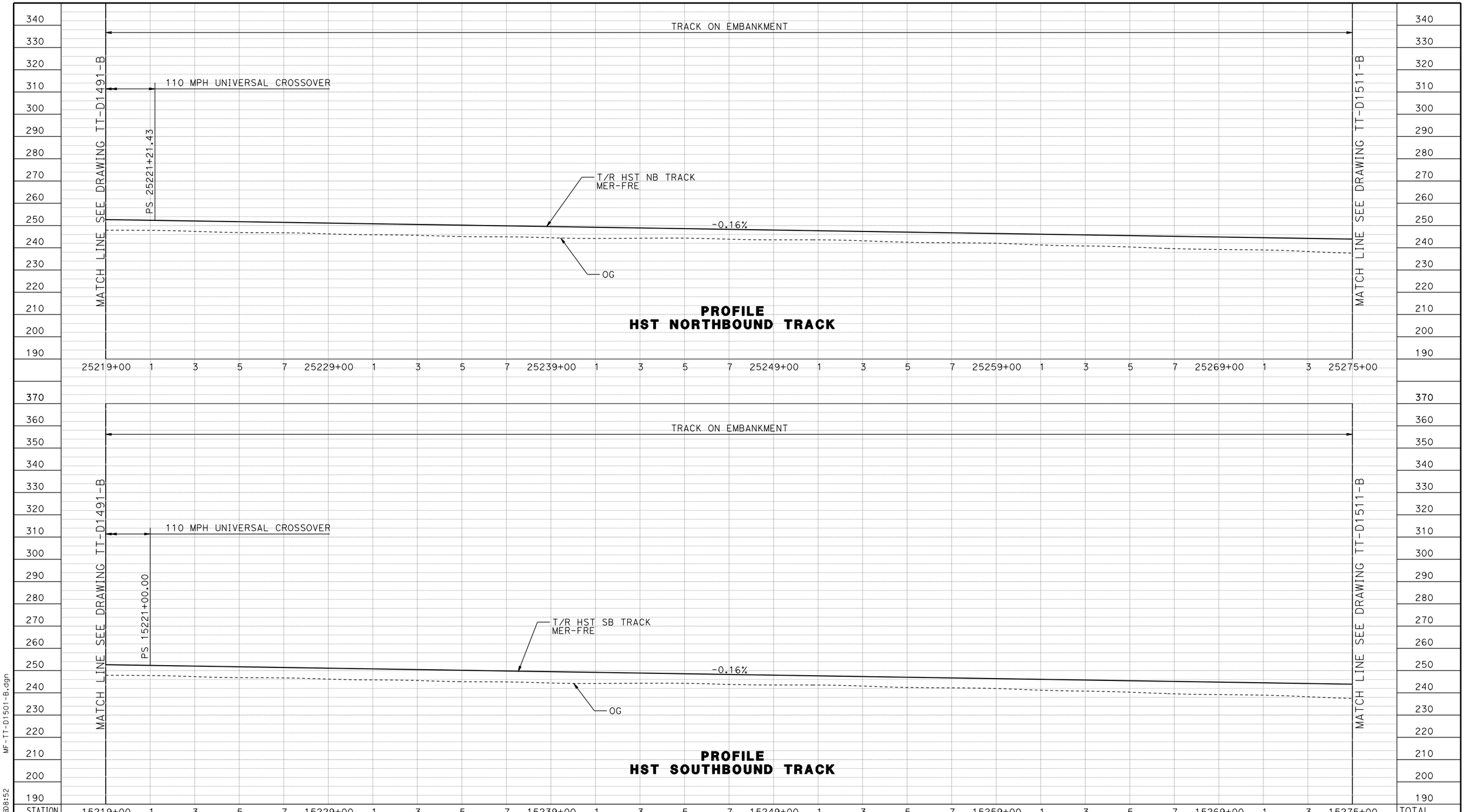

PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15219+00 TO 15275+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1501-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1501-B.dgn
12-MAR-2016 08:52
p0042226

MERCED COUNTY

MINTURN ROAD / ROAD 15 (EXIST)

MINITURN ROAD/ROAD 15 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-R1510-B TO CV-R1512-B)

PARALLELING STATION E2
ALTERNATE SITE 2
(SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01510-B)

MATCH LINE SEE DRAWING TT-D1500-B

MATCH LINE SEE DRAWING TT-D1520-B

SC 15287+96.31

SC 25288+17.74

℄ HST SB TRACK
MER-FRE

℄ HST NB TRACK
MER-FRE

ANIMAL UNDERCROSSING

HST R/W

AR FENCE

VARIES 117'-120'

27'

HST R/W

AR FENCE

MINTURN ROAD (ROAD 15) OVERHEAD
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1510-B)

CURVE MER-FRE 3 SB	
V	= 220 mph
R	= 22177.00
LS	= 1720'
EA/EU	= 6.00/2.73
MINIMUM	

CURVE MER-FRE 3 NB	
V	= 220 mph
R	= 22150.00
LS	= 1720'
EA/EU	= 6.00/2.74
MINIMUM	

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15275+00.00 TO 15331+00.00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1510-B
SCALE AS SHOWN
SHEET NO.

17-MAR-2016 11:31
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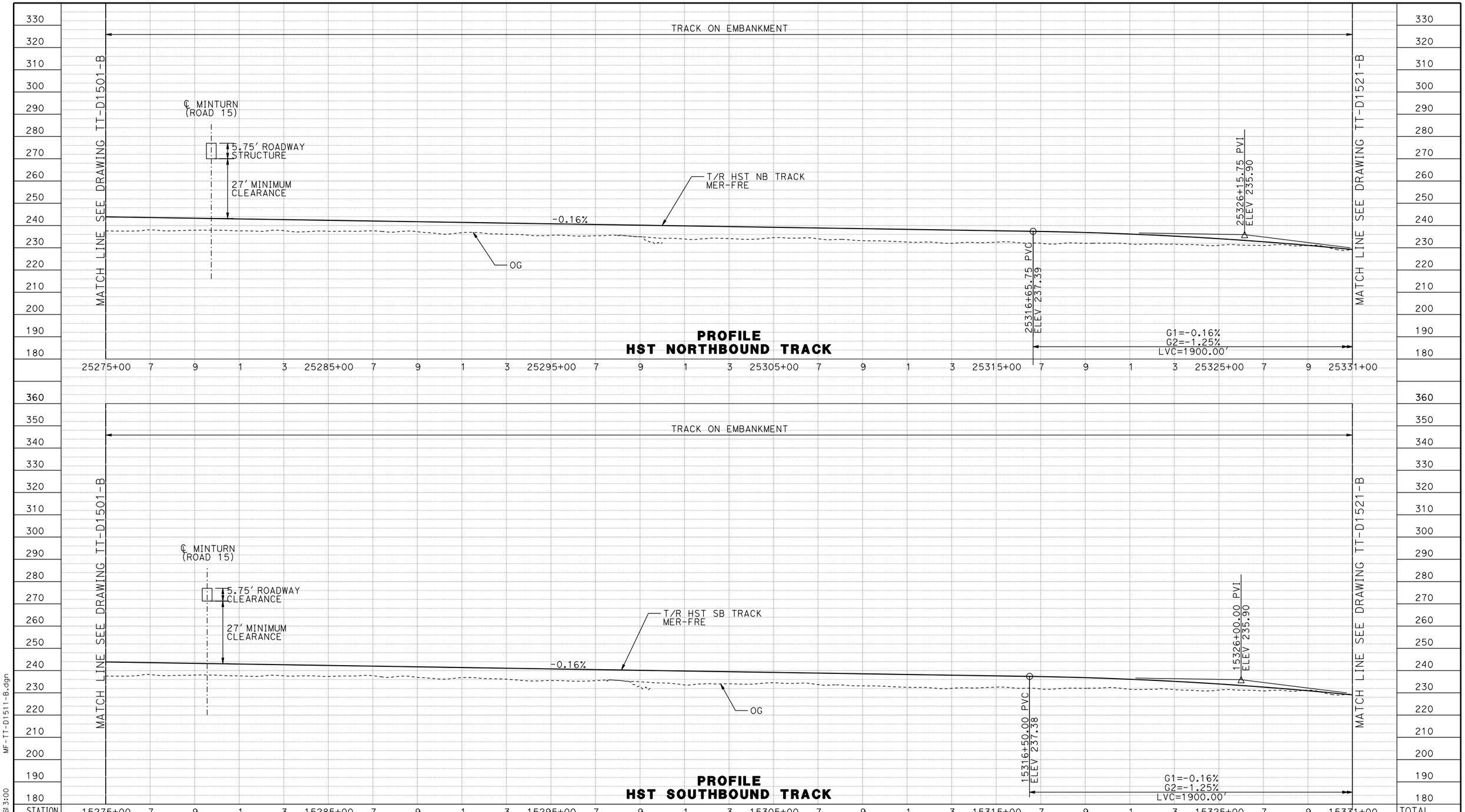


PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

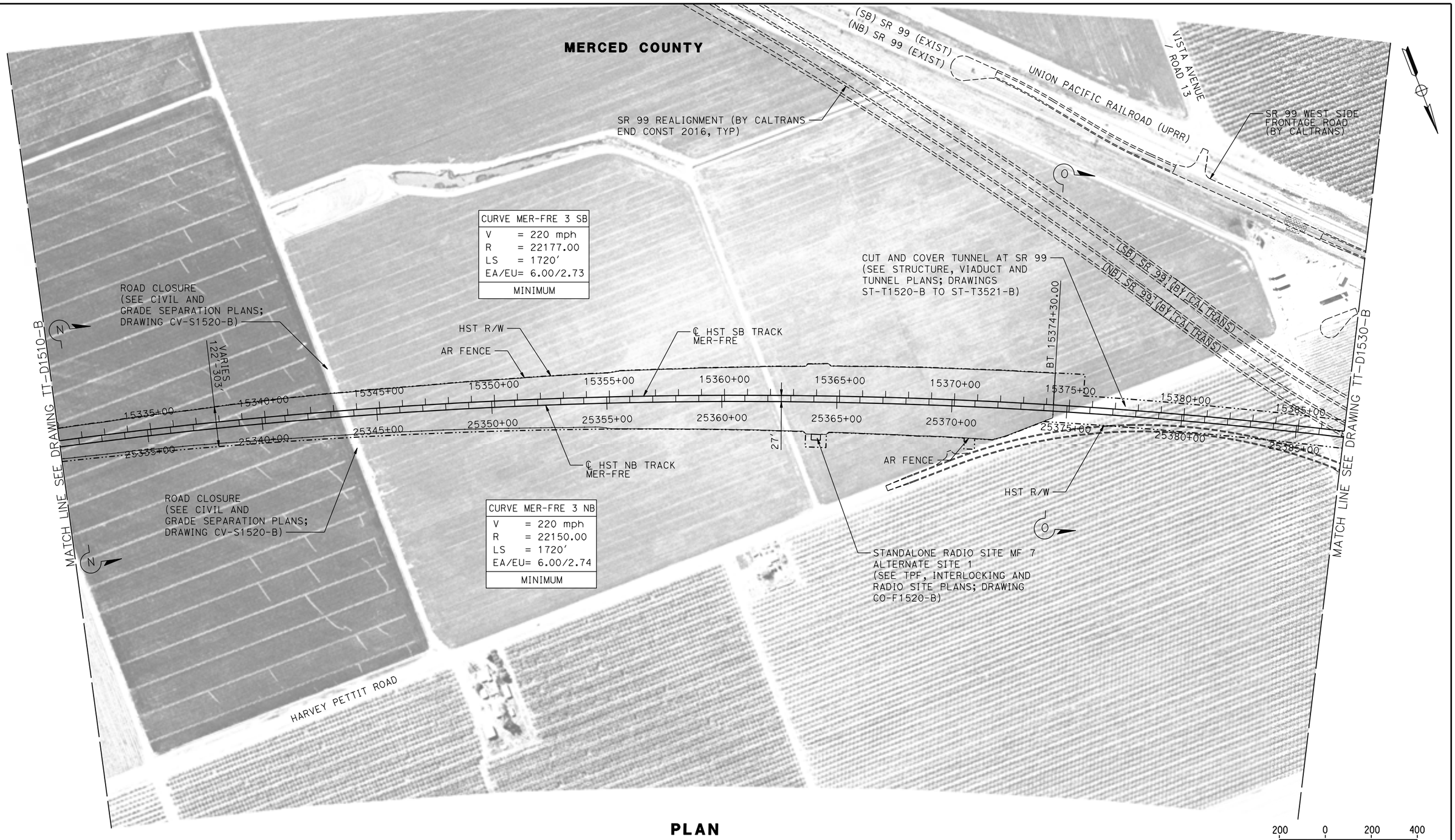
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15275+00 TO 15331+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1511-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1511-B.dgn
08-MAR-2016 3:00
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE15331+00 - 15387+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1520-B
SCALE AS SHOWN
SHEET NO.

08-MAR-2016 13:01 MF-TT-D1520-B.dgn
p0042226

STATION	15331+00	3	5	7	9	15341+00	3	5	7	9	15351+00	3	5	7	9	15361+00	3	5	7	9	15371+00	3	5	7	9	15381+00	3	5	15387+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
IN CHARGE: C. LEMLEY
DATE: 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

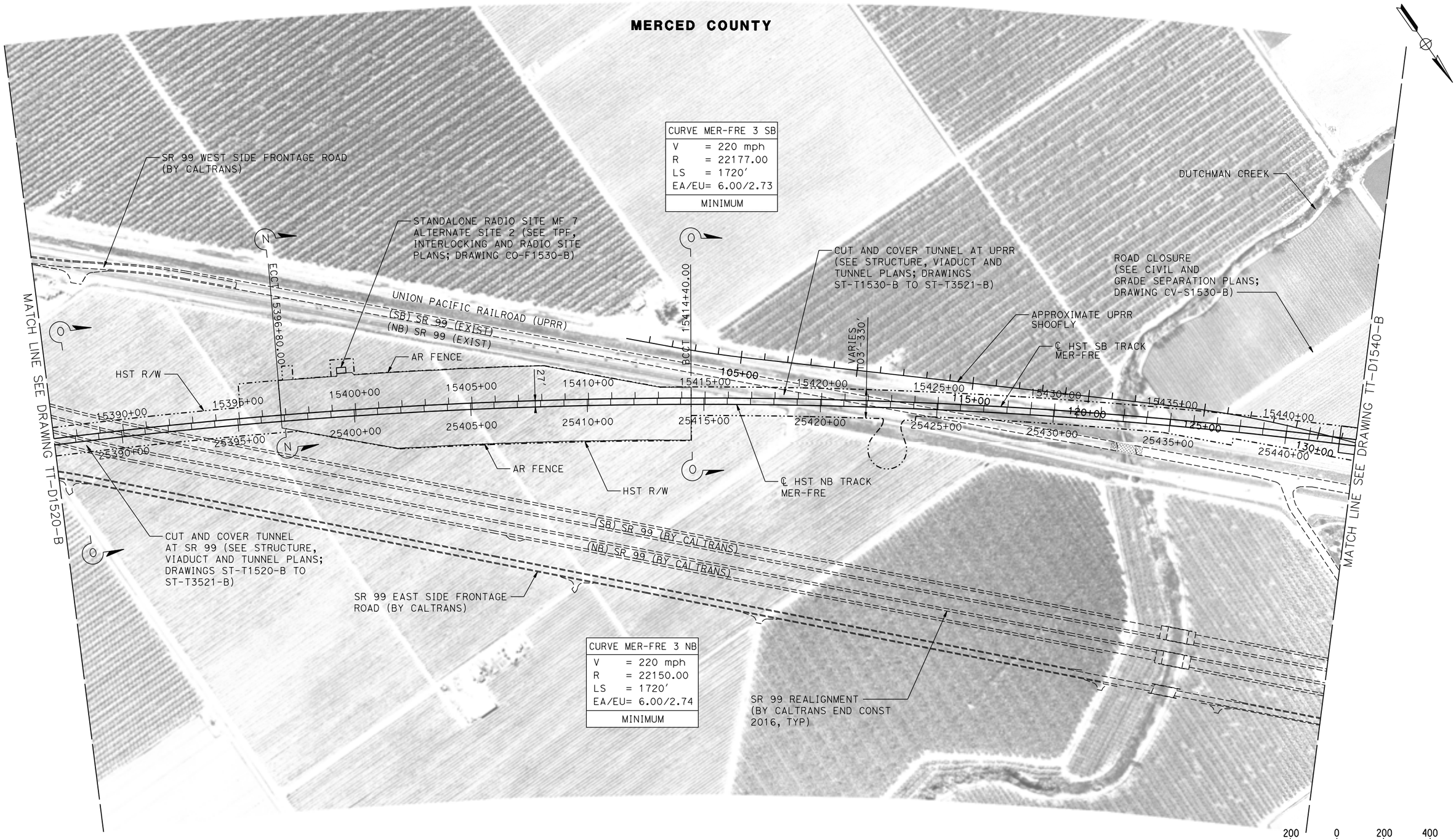
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15331+00 TO 15387+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1521-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1521-B.dgn
08-MAR-2016 3:01
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

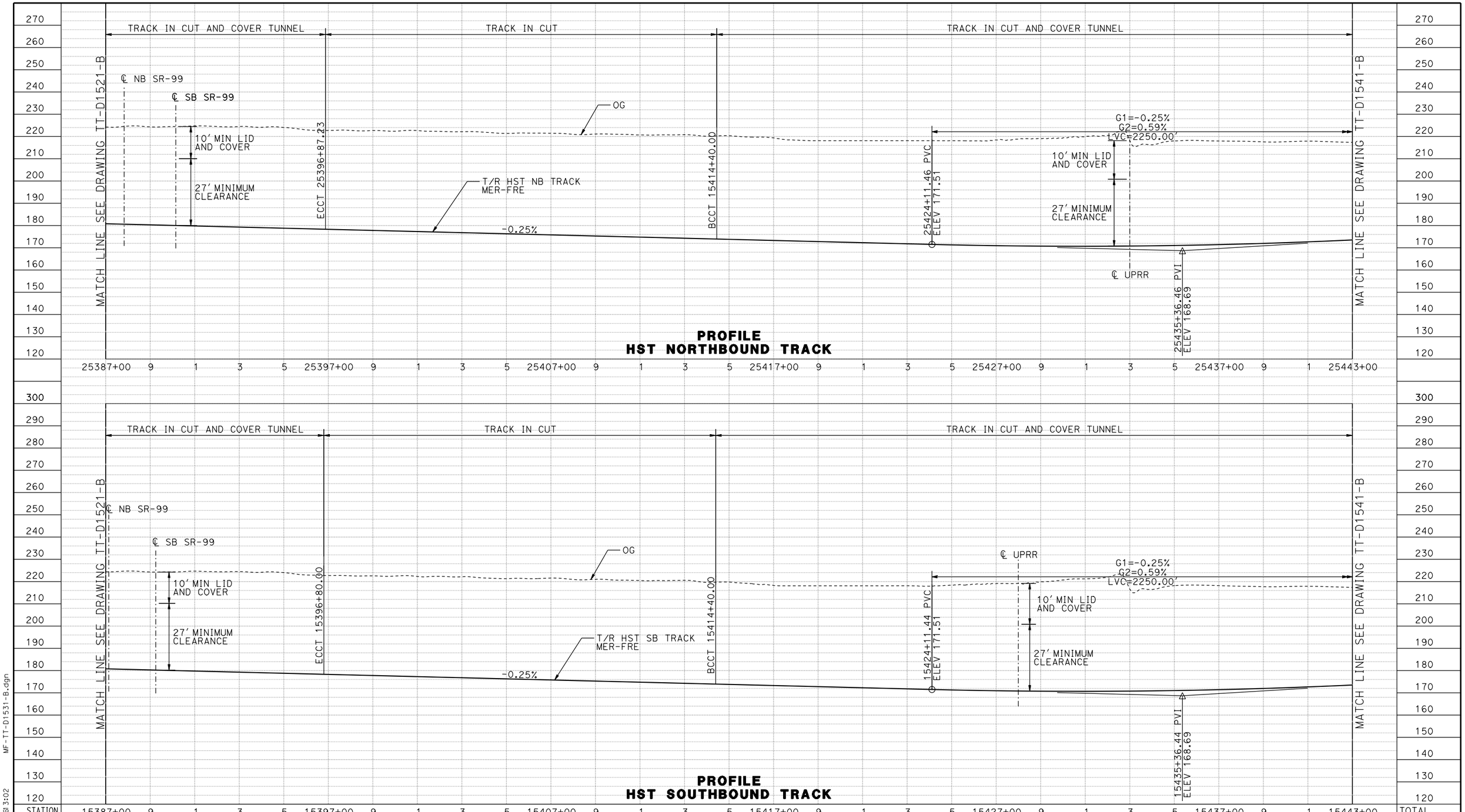
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15387+00.00 TO 15443+00.00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1530-B
SCALE AS SHOWN
SHEET NO.

08-MAR-2016 3:01
MF-TT-D1530-B.dgn
p0042226



STATION	15387+00 9 1 3 5 15397+00 9 1 3 5 15407+00 9 1 3 5 15417+00 9 1 3 5 15427+00 9 1 3 5 15437+00 9 1 15443+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15387+00 TO 15443+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1531-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1531-B.dgn
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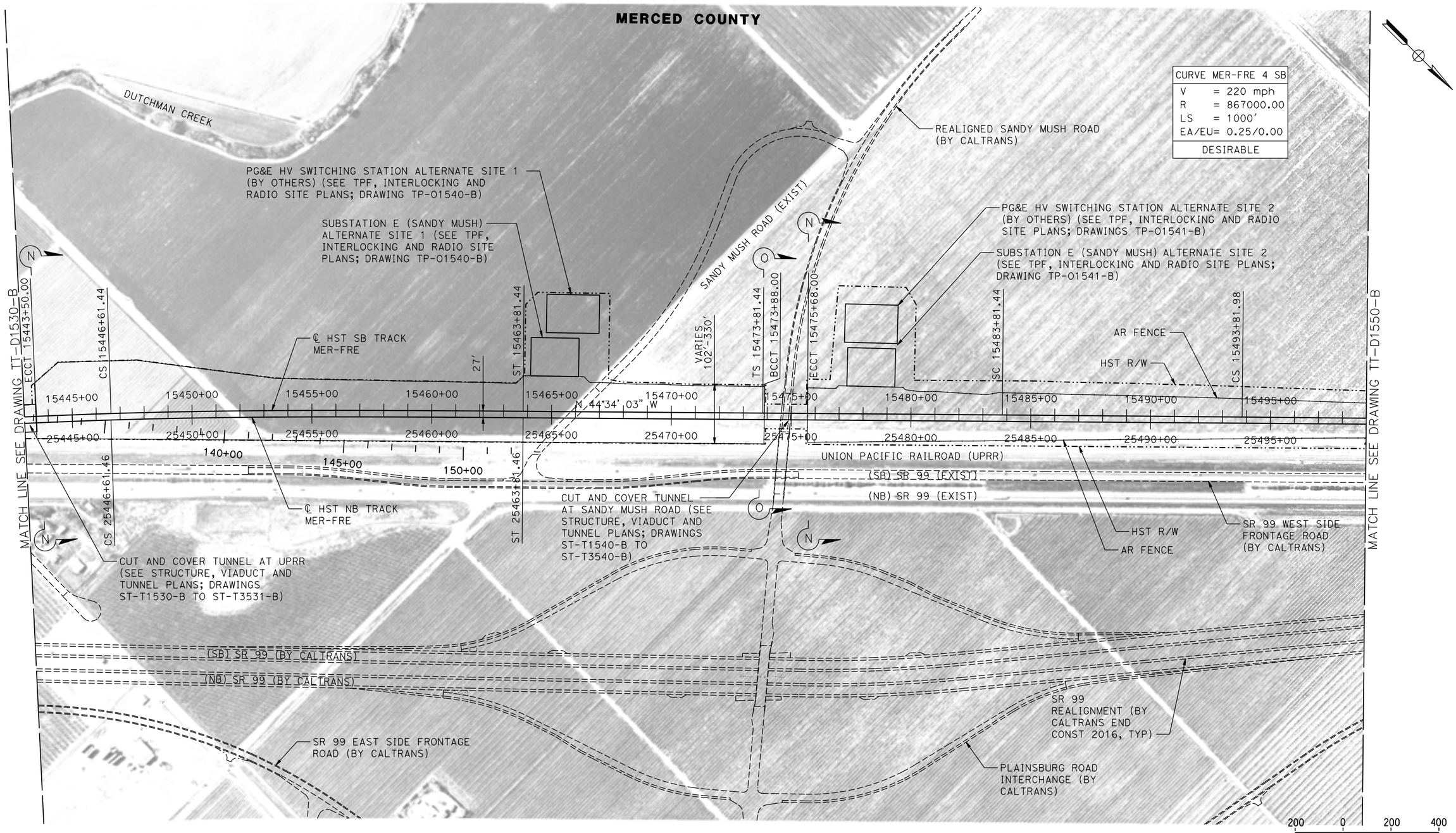
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15443+00 TO 15499+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1540-B
SCALE AS SHOWN
SHEET NO.

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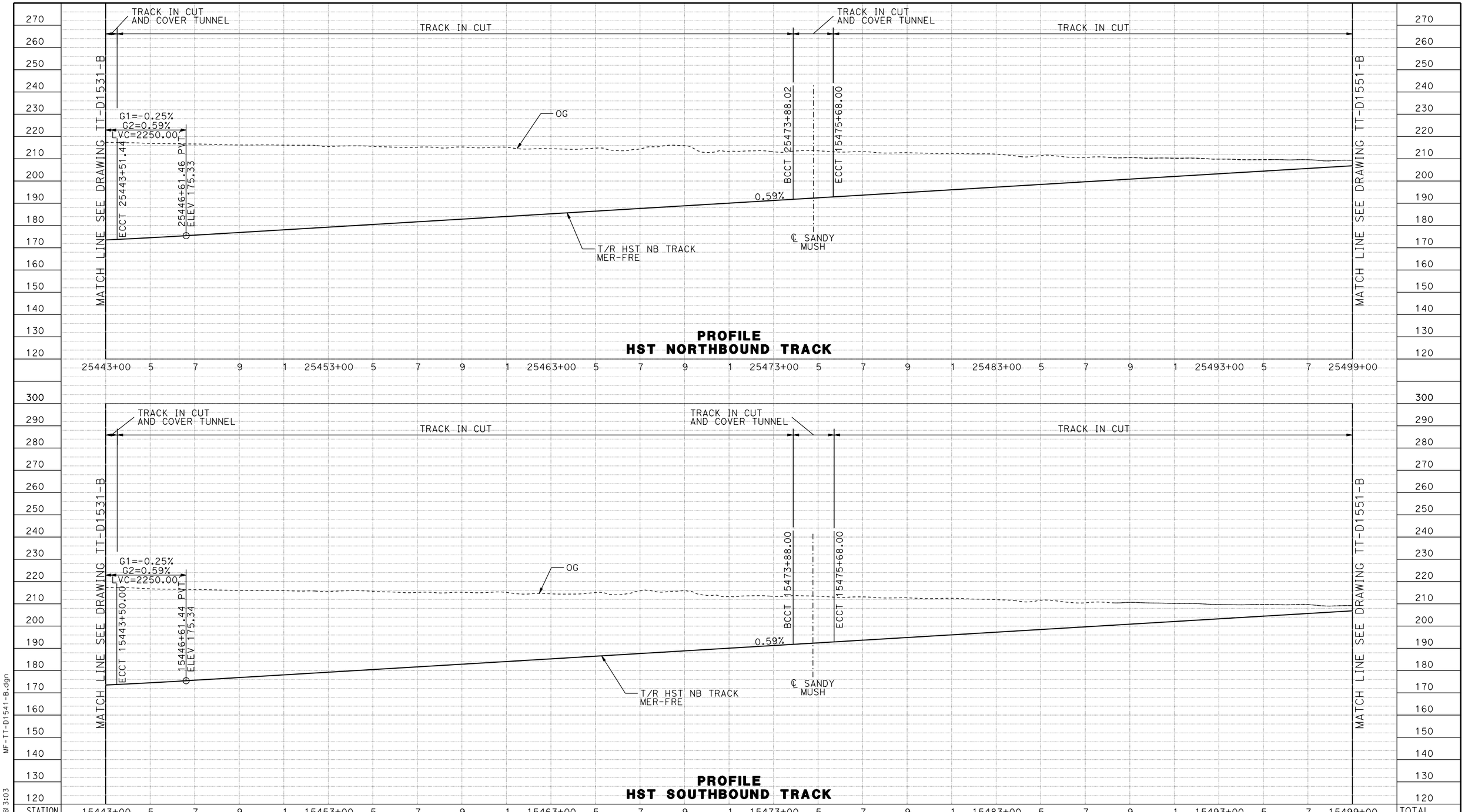
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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
MERCEN TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15443+00 TO 15499+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1541-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1541-B.dgn
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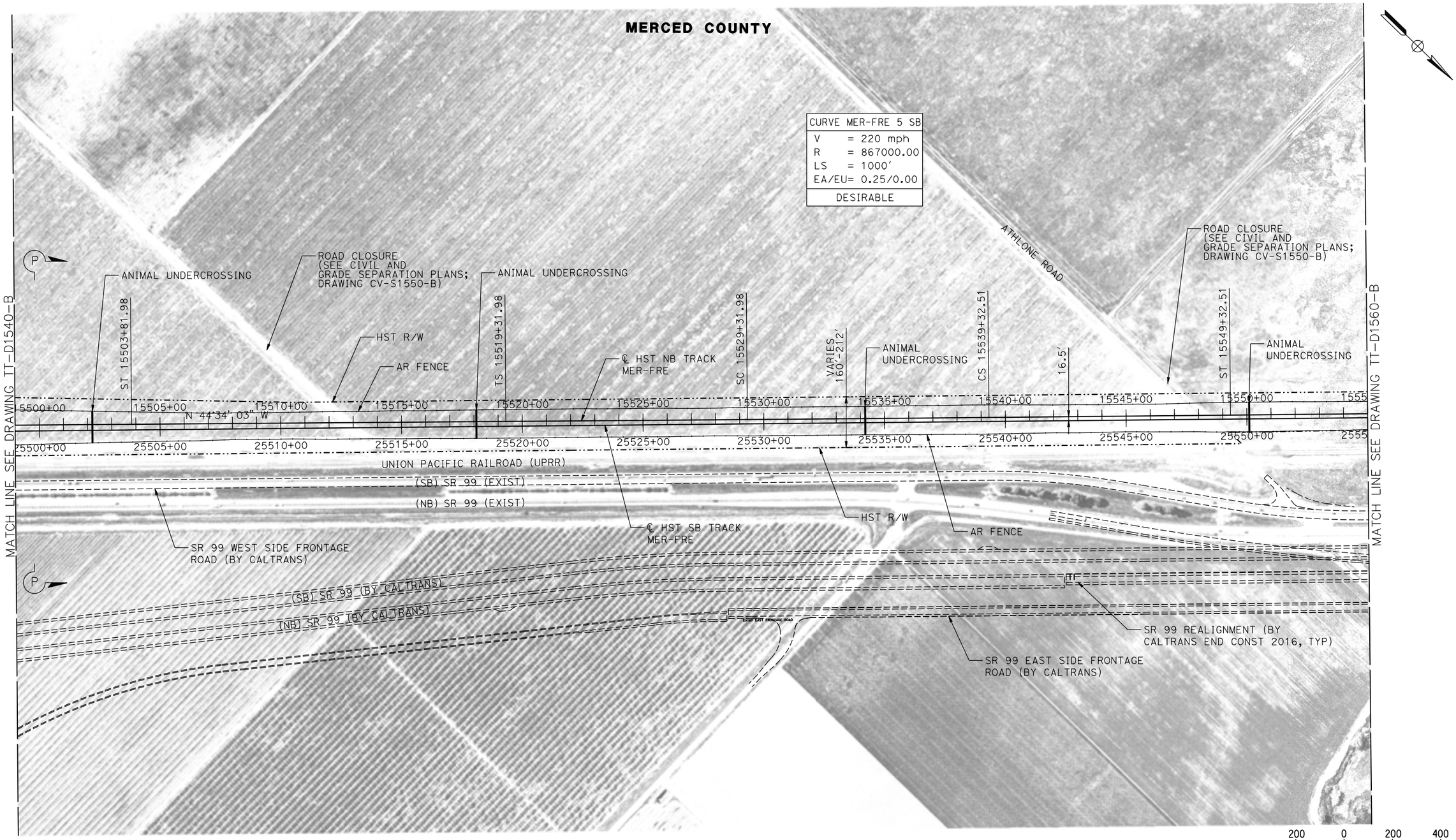
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15499+00 TO 15555+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1550-B
SCALE AS SHOWN
SHEET NO.

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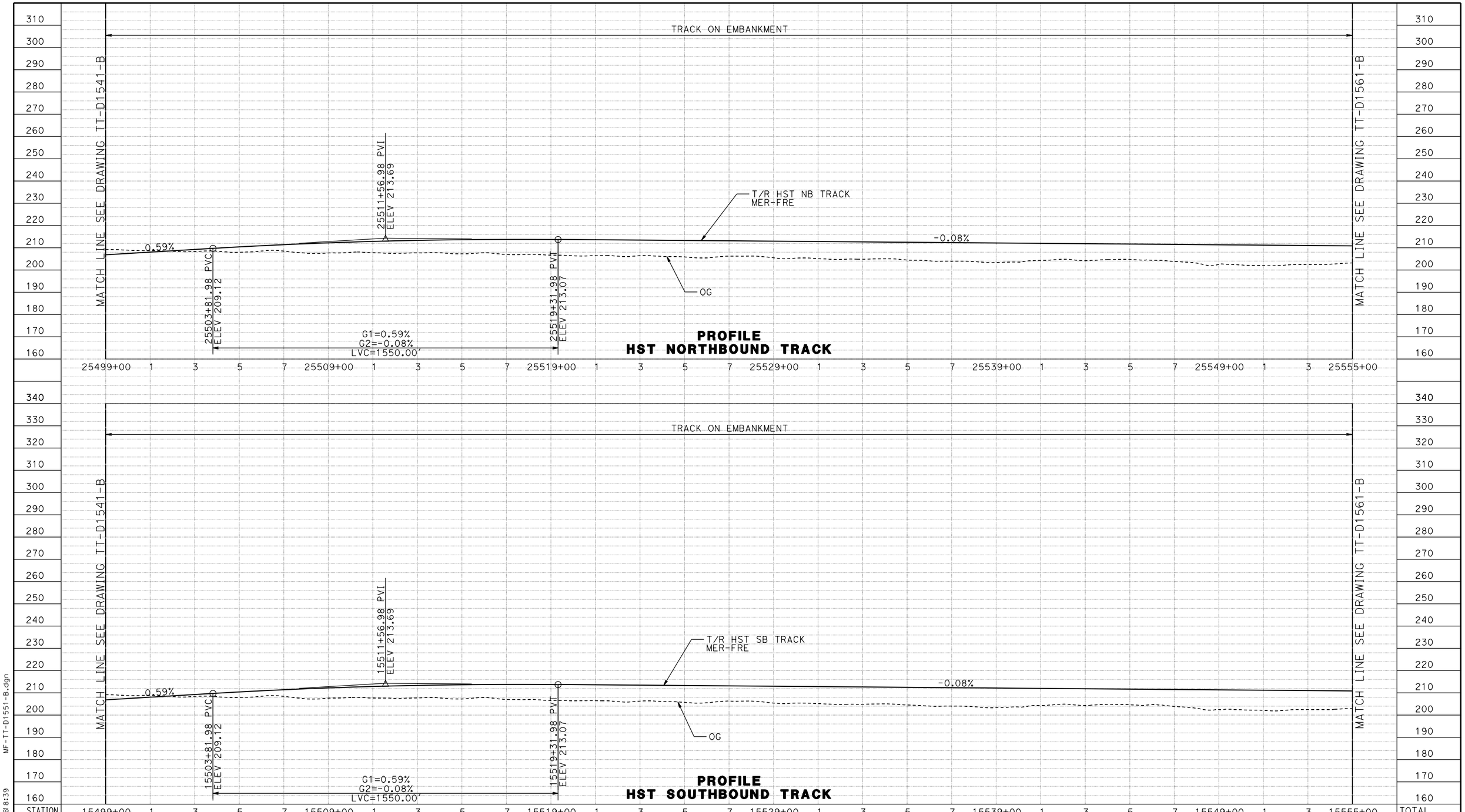


STATION	15499+00	15509+00	15519+00	15529+00	15539+00	15549+00	15555+00	TOTAL
CY EXC								
CY EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 02/13/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

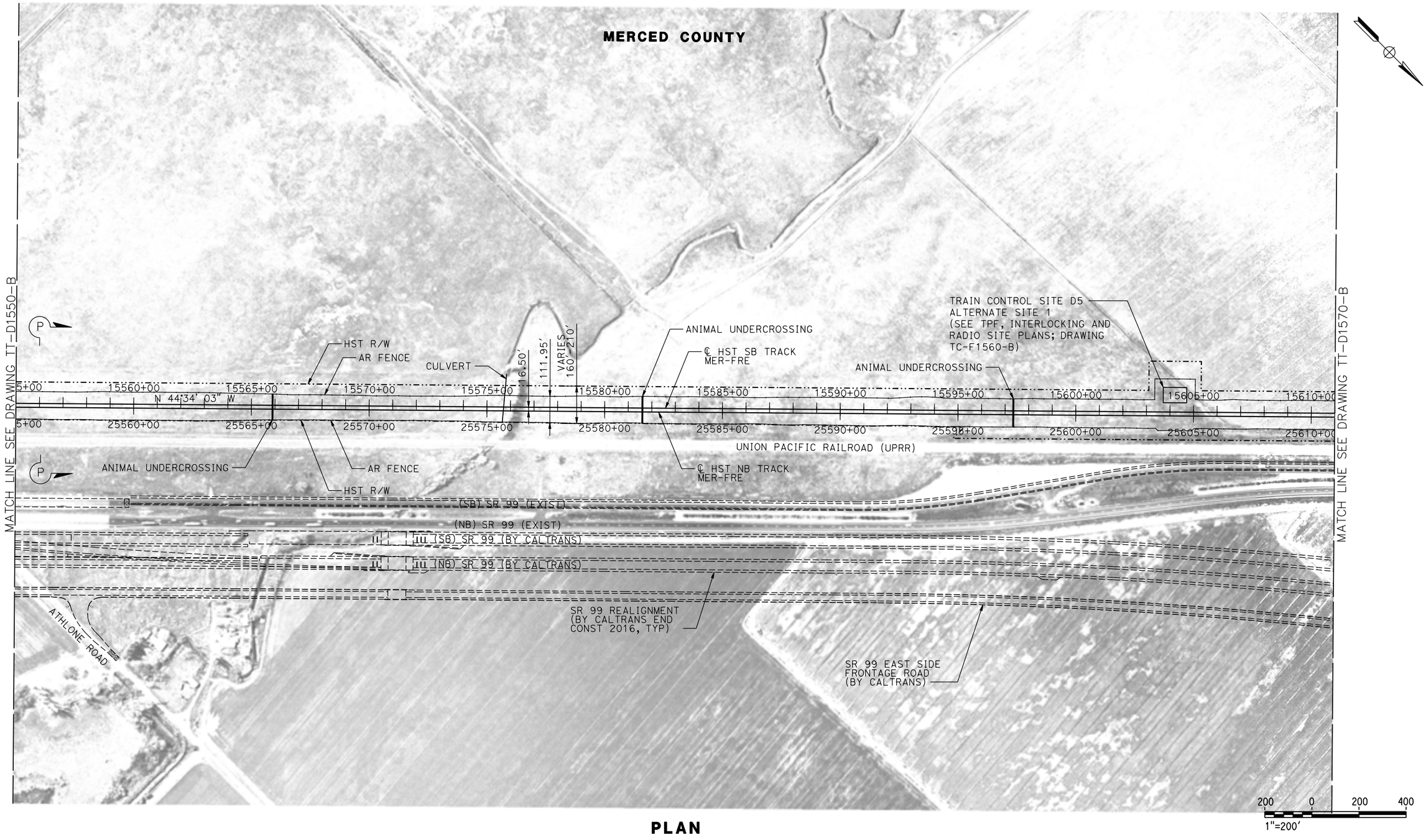
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE15499+00 TO 15555+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1551-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1551-B.dgn
16-MAR-2016 8:39
p0042226



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

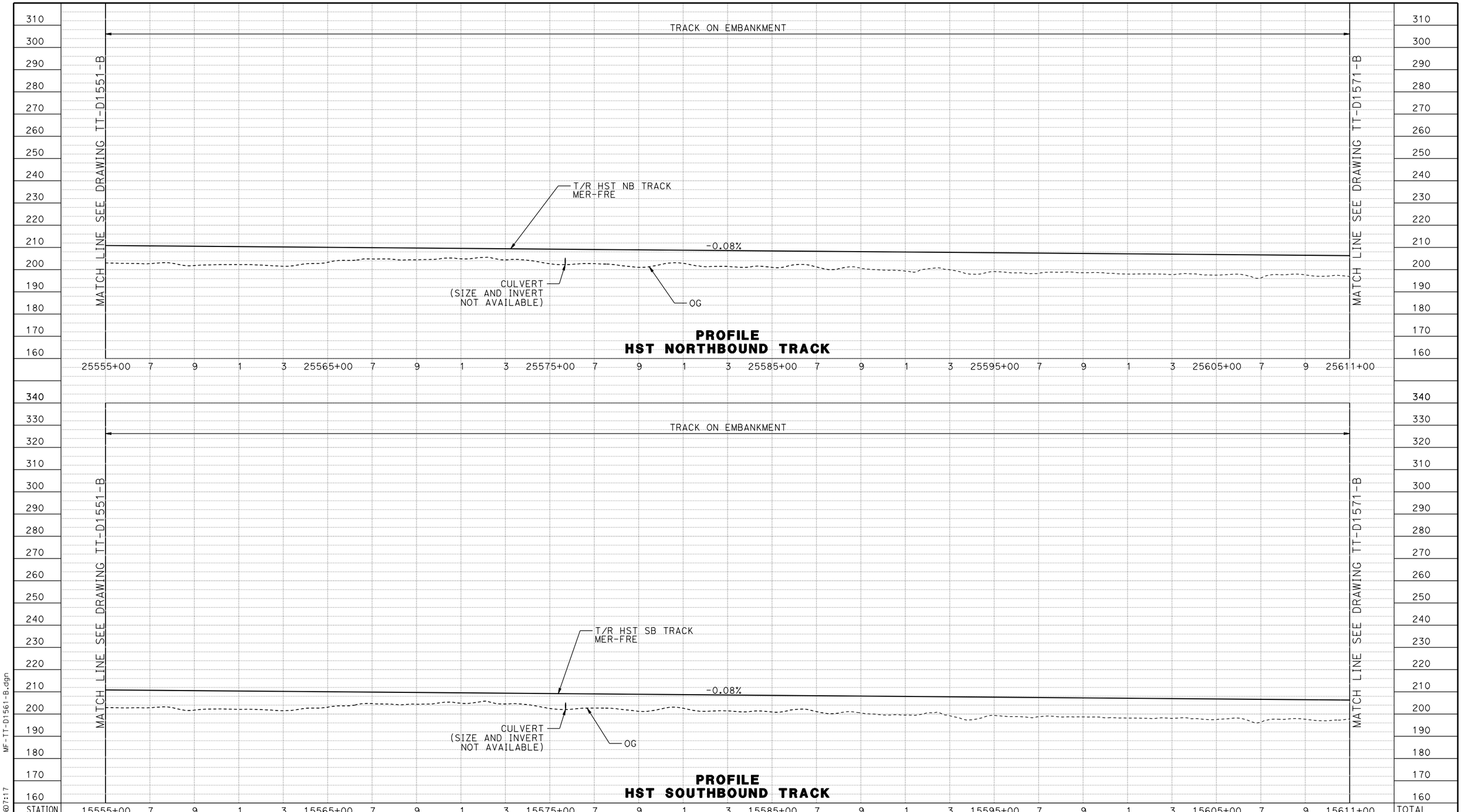
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15555+00 TO 15611+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1560-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1560-B.dgn
12-MAR-2016 08:52
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15555+00 TO 15611+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1561-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1561-B.dgn
03-MAR-2016 07:17
p0042226

MERCED COUNTY

MATCH LINE SEE DRAWING MF-TT-D1560-B

HST R/W

16.50'

209.91'

TRAIN CONTROL SITE D5
ALTERNATE SITE 2
(SEE TPF, INTERLOCKING
AND RADIO SITE PLANS;
DRAWING TC-F1570-B)

℄ HST SB TRACK
MER-FRE

AR FENCE

POE 15655+00.00

SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION

15615+00 15620+00 15625+00 15630+00 15635+00 15640+00 15645+00 15650+00

N 44°34' 03" W

25615+00 25620+00 25625+00 25630+00 25635+00 25640+00 25645+00 25650+00

UNION PACIFIC RAILROAD (UPRR)

(SB) SR 99 (EXIST)

(NB) SR 99 (EXIST)

AR FENCE

SR 99 WEST SIDE FRONTAGE
ROAD (BY CALTRANS)

℄ HST NB TRACK
MER-FRE

HST R/W

POE 25655+00.00

LE GRAND ROAD INTERCHANGE
(BY CALTRANS)

(SB) SR 99 (BY CALTRANS)

(NB) SR 99 (BY CALTRANS)

SR 99 EAST SIDE FRONTAGE
ROAD (BY CALTRANS)

SR 99 REALIGNMENT
(BY CALTRANS END
CONST 2016, TYP)

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
MER-FRE 15611+00 TO 15655+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1570-B
SCALE AS SHOWN
SHEET NO.

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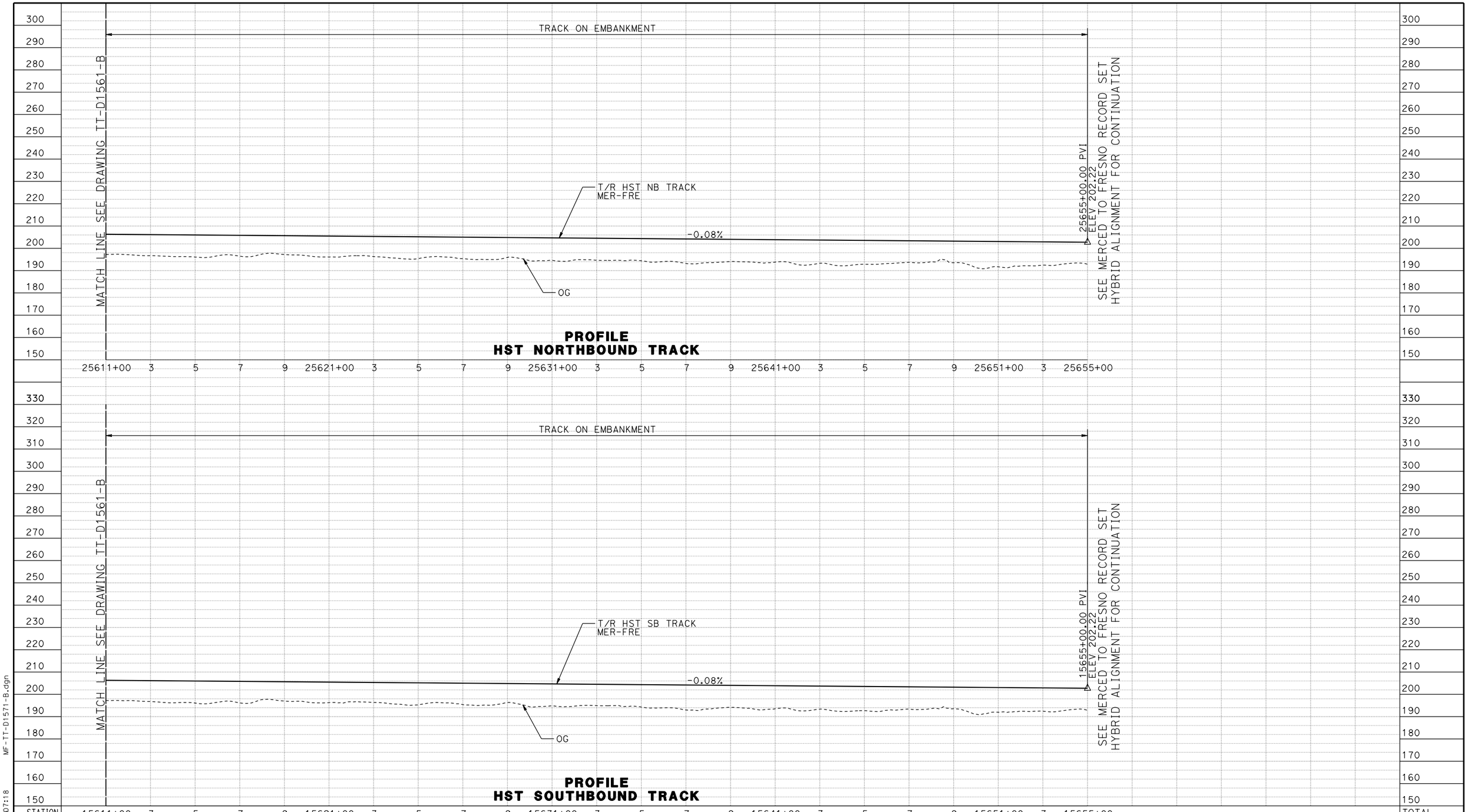


PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE 15611+00 TO 15665+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1571-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1571-B.dgn
03-MAR-2016 07:18
p0042226

WYE CONNECTION SCHEMATIC

SAN JOSE TO MERCED (SJD-MER)

MADERA COUNTY

150 MPH TURNOUT AND RETURN CURVE
SEE DRAWING NO. TM 2.1.3-B

INTERLOCKING SITE AA (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1230-B)

PS SB SJD-MER 36570+00.00=
PS SB SJD-FRE 6570+00.00
150 MPH TURNOUT

BB 36577+70.73

LLT 36577+77.81

EB 36579+20.85

ST 36591+67.62

INTERLOCKING SITE B (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1231-B)

℄ HST NB TRACK SJD-FRE

℄ HST SB TRACK SJD-MER

HST R/W

AR FENCE

36575+00 36580+00 36585+00 36590+00 36595+00 36600+00 36605+00 36610+00 36615+00 36620+00 36625+00

N 86°36' 27" E

35.0'

16.5'

SEE DRAWING TT-D1220-B FOR CONTINUATION

PS NB SJD-MER 46570+00.00=
PS SB SJD-FRE 6570+00.00
150 MPH TURNOUT

46575+00 46580+00 46585+00 46590+00 46595+00 46600+00 46605+00 46610+00 46615+00 46620+00 46625+00

LLT 46577+77.81

ST 46591+67.62

VARIES 198'-455'

35.0'

(WB) SR 152 (EXIST)
(EB) SR 152 (EXIST)

AR FENCE

HST R/W

BERENDA WAY (ROAD 16) UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1230-B)

BERENDA WAY (ROAD 16) INTERCHANGE REALIGNMENT (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1610-B)

℄ HST SB TRACK SJD-FRE

℄ HST NB TRACK SJD-MER

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1610-B)

AERIAL #4 (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1620-B TO ST-K3621-B)

BB 46625+20.00

MATCH LINE SEE DRAWING MF-TT-1620-B

150 MPH TURNOUT AND RETURN CURVE
SEE DRAWING NO. TM 2.1.3-B

SR 152 REALIGNMENT AT ROAD 16 (SEE DRAWINGS CV-R1224-B TO CV-R1226-B)

ROAD 16

200 0 200 400
1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

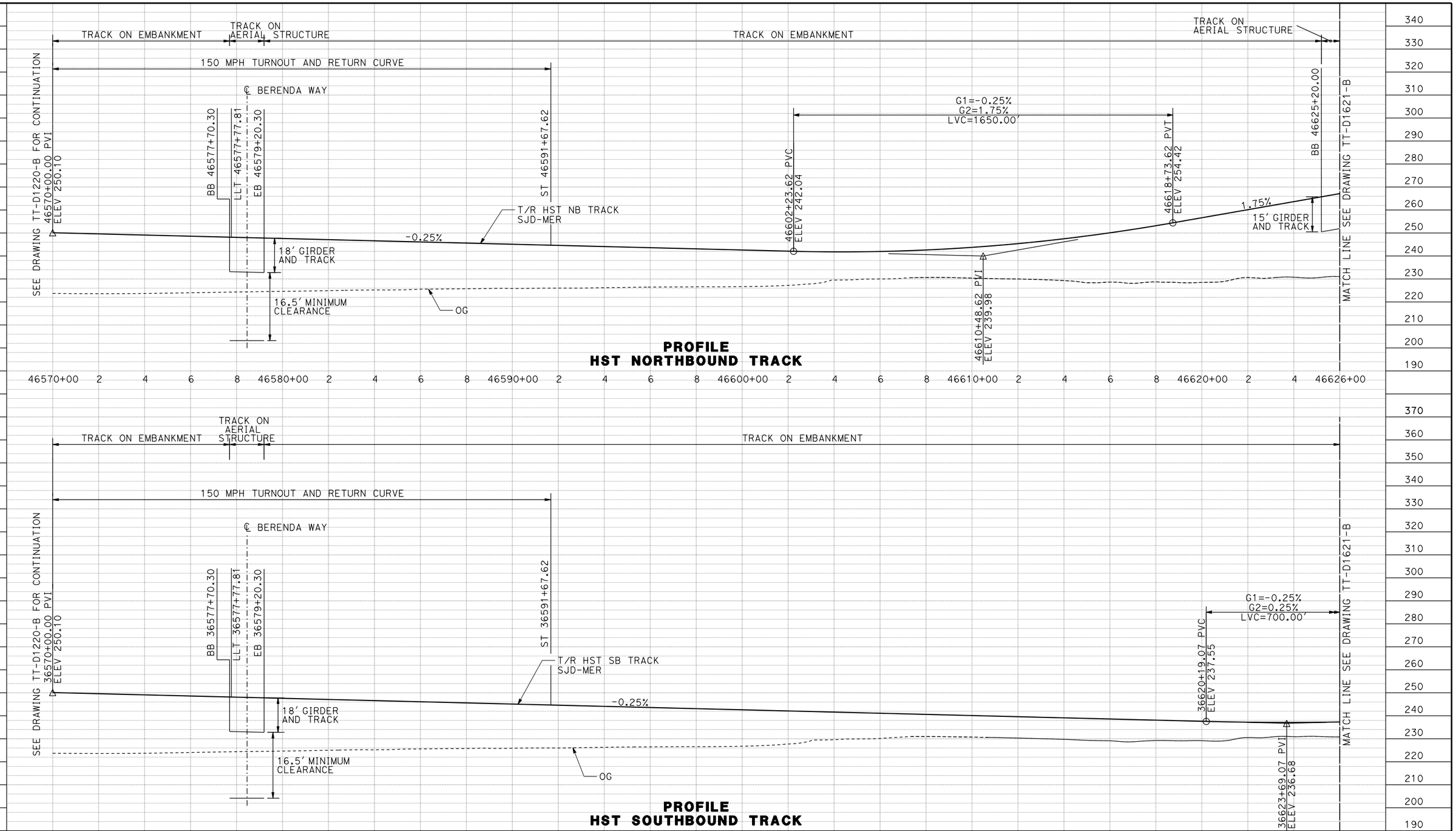
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36570+00.00 TO 36626+00.00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1610-B
SCALE AS SHOWN
SHEET NO.

12-MAR-2016 8:53 MF-TT-D1610-B.dgn p0042226



STATION	36570+00	2	4	6	8	36580+00	2	4	6	8	36590+00	2	4	6	8	36600+00	2	4	6	8	36610+00	2	4	6	8	36620+00	2	4	36626+00	TOTAL
CY EXC																													
CY EMB																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36570+00 TO 36626+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1611-B
SCALE AS SHOWN
SHEET NO.

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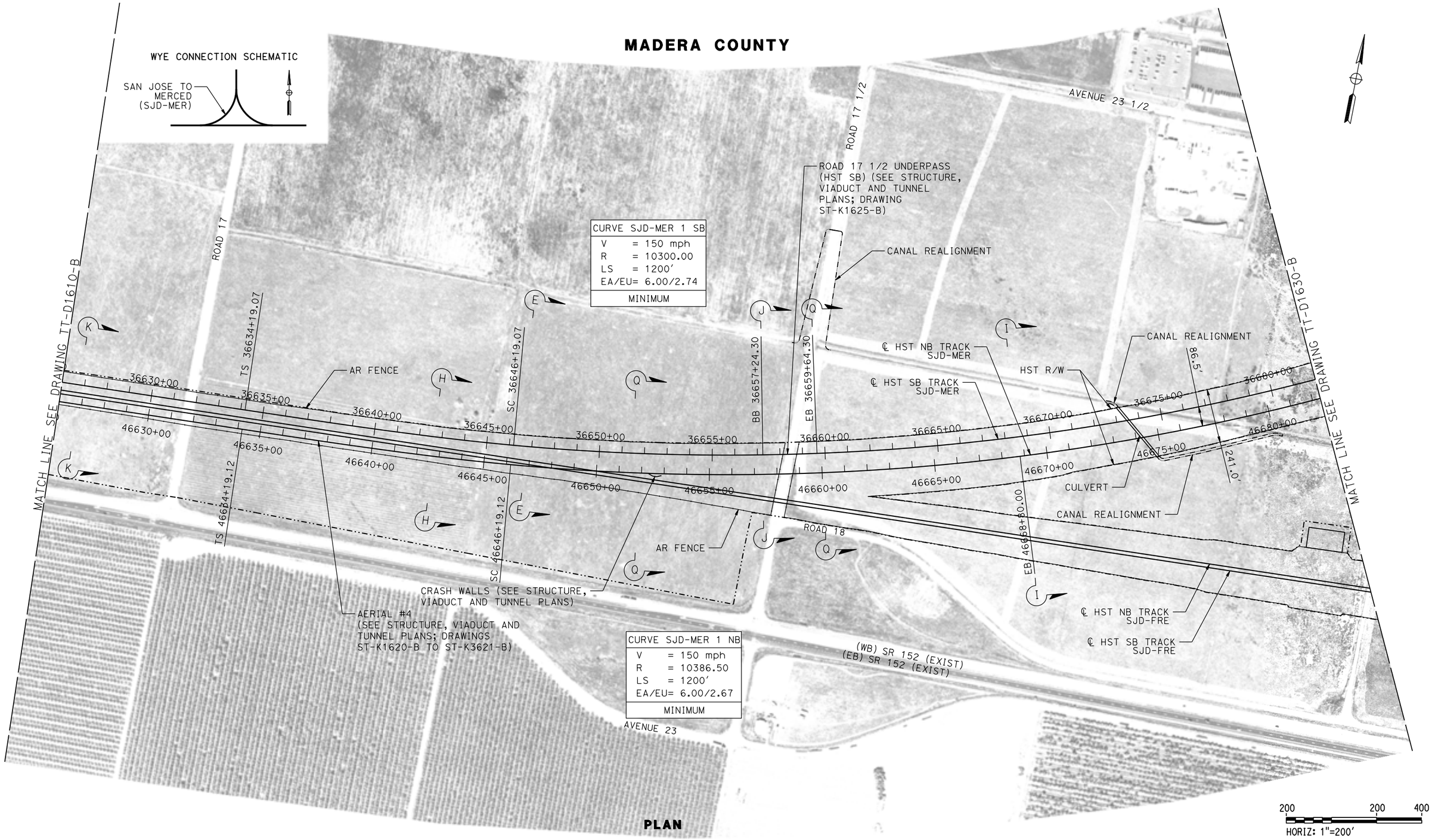


PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION
-					

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

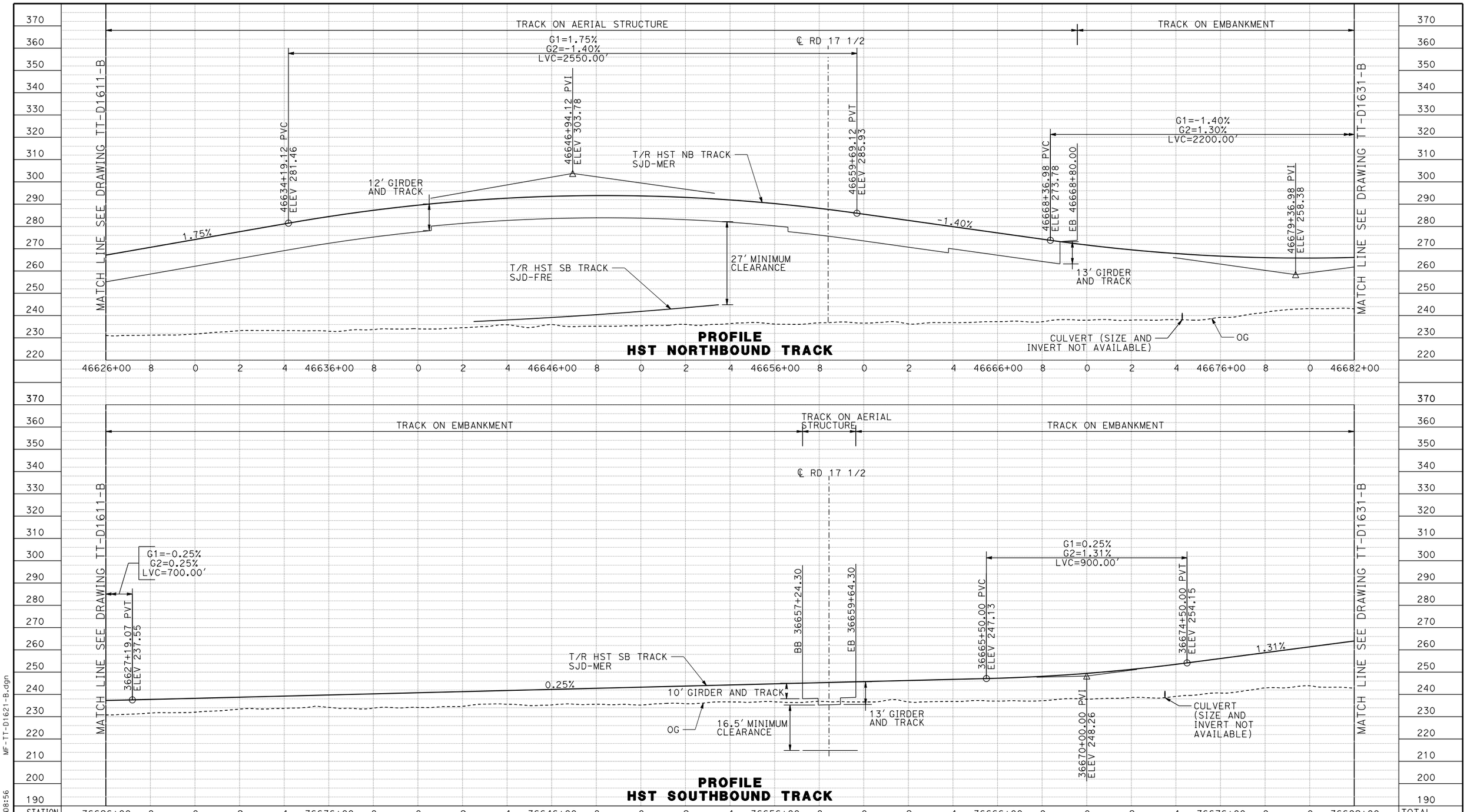
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36626+00 TO 36682+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1620-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1620-B.dgn
12-MAR-2016 08:55
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36626+00 TO 36682+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1621-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1621-B.dgn
12-MAR-2016 8:56
p0042226

MADERA COUNTY

WYE CONNECTION SCHEMATIC

SAN JOSE TO MERCED (SJD-MER)

SWITCHING STATION F ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01630-B)

SWITCHING STATION F ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01630-B)

AVENUE 23 1/2

AR FENCE

CANAL REALIGNMENT

ANIMAL UNDERCROSSING

CANAL REALIGNMENT

CULVERT

SWITCHING STATION D ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01250-B)

ANIMAL UNDERCROSSING

℄ HST SB TRACK SJD-FRE

℄ HST NB TRACK SJD-FRE

CHOWCHILLA BLVD UNION PACIFIC RAILROAD (UPRR)

AERIAL #5 (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1630-B TO ST-K3630-B)

AERIAL #6 (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1635-B TO ST-K3635-B)

FAIRMEAD BLVD (EXIST)

(SB) SR 99 (EXIST)

(NB) SR 99 (EXIST)

ROAD 19

AVENUE 24 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1640-B)

AVENUE 24 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1640-B)

MATCH LINE SEE DRAWING TT-D1620-B

MATCH LINE SEE DRAWING TT-D1640-B

CURVE SJD-MER 1 SB
V = 150 mph
R = 10300.00
LS = 1200′
EA/EU= 6.00/2.74
MINIMUM

CURVE SJD-MER 1 NB
V = 150 mph
R = 10386.50
LS = 1200′
EA/EU= 6.00/2.67
MINIMUM

36685+00 36690+00 36695+00 36700+00 36705+00 36710+00 36715+00 36720+00 36725+00 36730+00 36735+00

46685+00 46690+00 46695+00 46700+00 46705+00 46710+00 46715+00 46720+00 46725+00 46730+00 46735+00

6690+00 6692+54.93 6695+00

BB 36700+20.00 BB 36701+13.00 EB 36713+50.00 EB 46713+61.00 BB 36736+15.00 BB 46738+09.00

VARIES 160'-350' 86.5'

℄ HST NB TRACK SJD-MER

℄ HST SB TRACK SJD-MER

HST R/W

PLAN

200 0 200 400

HORIZ: 1"=200′

MF-TT-D1630-B.dgn

10-MAR-2016 16:15

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

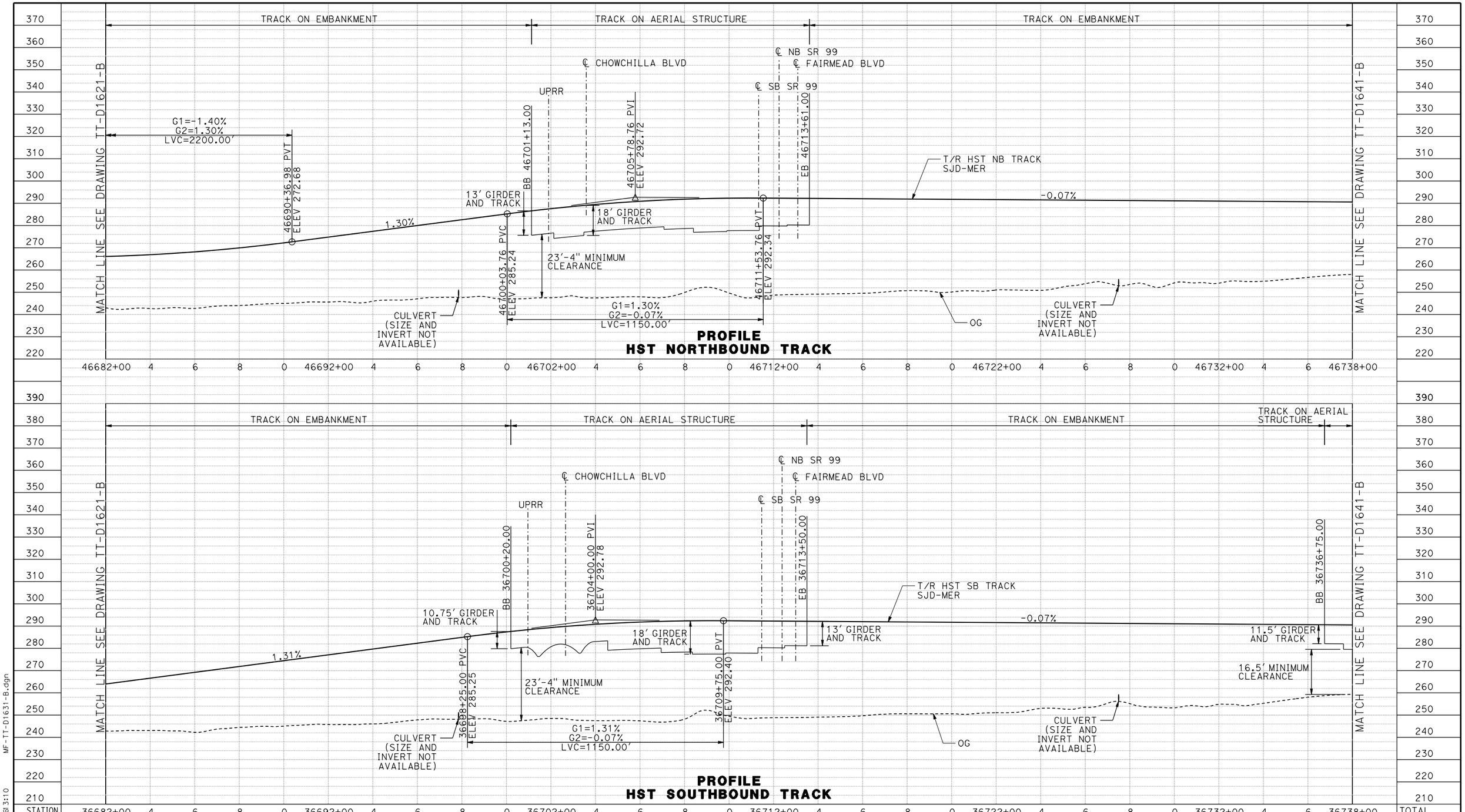
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36682+00 TO 36738+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1630-B
SCALE AS SHOWN
SHEET NO.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36682+00 TO 36738+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1631-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1631-B.dgn
08-MAR-2016 13:10
p0042226

MADERA COUNTY

WYE CONNECTION SCHEMATIC

SAN JOSE TO MERCED (SJD-MER)

CURVE SJD-MER 1 SB
V = 150 mph
R = 10300.00
LS = 1200′
EA/EU= 6.00/2.74
MINIMUM

CURVE SJD-MER 1 NB
V = 150 mph
R = 10386.50
LS = 1200′
EA/EU= 6.00/2.67
MINIMUM

AVENUE 24 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1640-B)

MATCH LINE SEE DRAWING TT-D1630-B

EB 36739+55.00

EB 46740+96.00

℄ HST SB TRACK SJD-MER

ANIMAL UNDERCROSSING

HST R/W

AR FENCE

℄ HST NB TRACK SJD-MER

TRAIN CONTROL SITE D6 RADIO TOWER SJM 2 ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1640-B)

CULVERT

CRASH WALLS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS)

CS 36792+28.07

CS 46793+60.88

MATCH LINE SEE DRAWING TT-D1650-B

CANAL REALIGNMENT

CULVERT

CULVERT

CANAL REALIGNMENT

BB 46780+08.00

AERIAL #7 (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1650-B TO ST-K3651-B)

TRAIN CONTROL SITE D6 RADIO TOWER SJM 2 ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1640-B)

297′

86.5′

AVENUE 23 1/2

ROAD 19

℄ HST SB TRACK MER-FRE

℄ HST NB TRACK MER-FRE

36740+00 36745+00 36750+00 36755+00 36760+00 36765+00 36770+00 36775+00 36780+00 36785+00 36790+00

46740+00 46745+00 46750+00 46755+00 46760+00 46765+00 46770+00 46775+00 46780+00 46785+00 46790+00 46795

200 0 200 400

HORIZ: 1"=200′

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

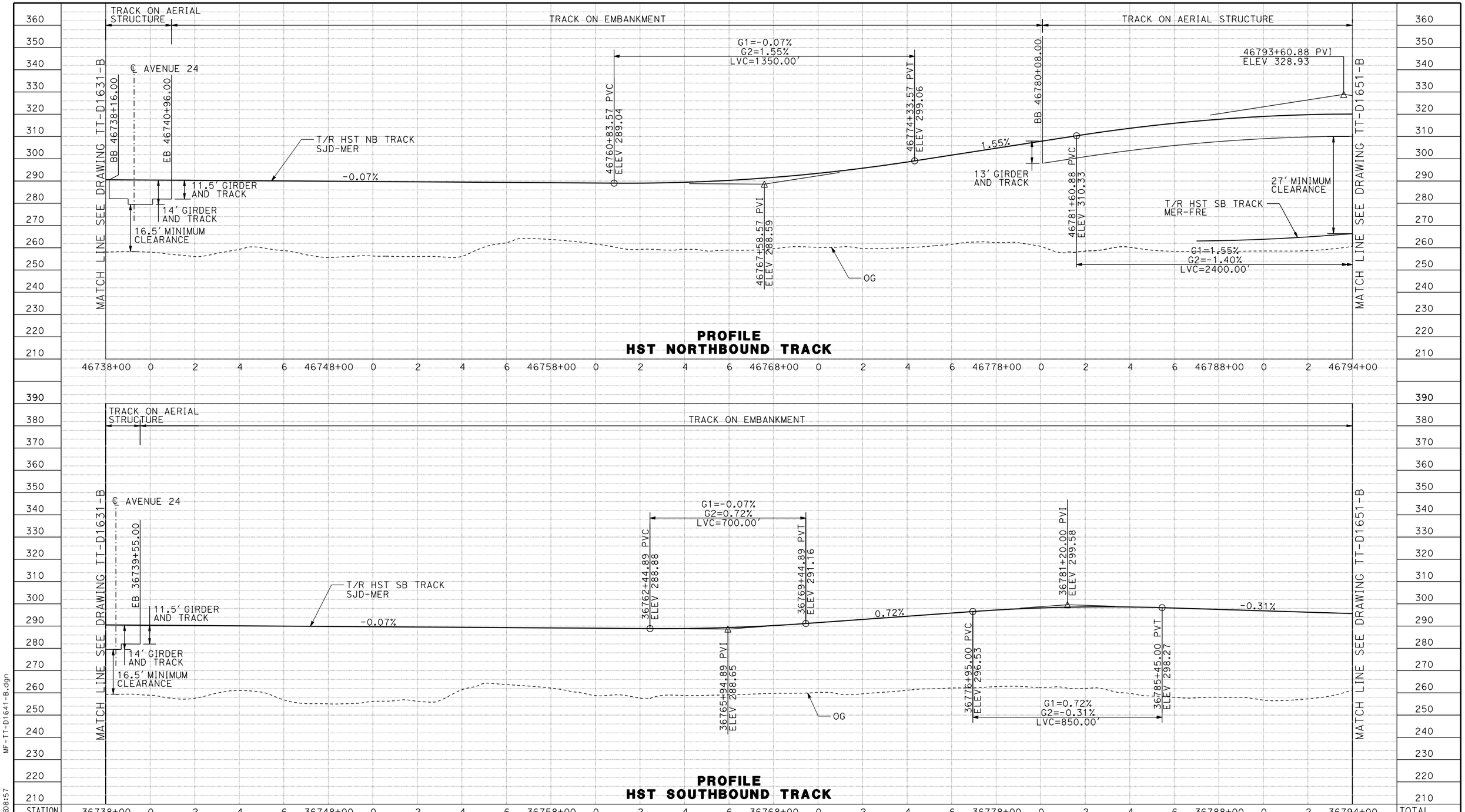
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36738+00 TO 36794+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1640-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1640-B.dgn
12-MAR-2016 08:56
p0042226



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	36738+00	0	2	4	6	36748+00	0	2	4	6	36758+00	0	2	4	6	36768+00	0	2	4	6	36778+00	0	2	4	6	36788+00	0	2	36794+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

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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 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36738+00 TO 36794+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1641-B
SCALE AS SHOWN
SHEET NO.

MF-TT-D1641-B.dgn
12-MAR-2016 08:57
p0042226

WYE CONNECTION SCHEMATIC

SAN JOSE TO MERCED (SJD-MER)

MADERA COUNTY

MATCH LINE SEE DRAWING TT-D1640-B

MATCH LINE SEE DRAWING TT-D1660-B

CRASH WALLS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS)

AR FENCE

HST R/W

ANIMAL UNDERCROSSING

℄ HST SB TRACK MER-FRE

℄ HST SB TRACK SJD-MER

℄ HST NB TRACK MER-FRE

℄ HST NB TRACK SJD-MER

CANAL REALIGNMENT

AERIAL #7 (SEE STRUCTURE, VIADUCT AND TUNNELS; DRAWINGS ST-K1650-B TO ST-K3651-B)

BERENDA SLOUGH STRUCTURE (SEE STRUCTURE, VIADUCT AND TUNNELS; DRAWINGS ST-K1450-B TO ST-K3450-B)

INTERLOCKING SITE B (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TC-F1450-B)

FAUST RD AVENUE 26 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1455-B)

150 MPH TURNOUT AND RETURN CURVE SEE DRAWING NO. TM 2.1.3-B

150 MPH TURNOUT AND RETURN CURVE SEE DRAWING NO. TM 2.1.3-B

BERENDA SLOUGH

FAUST ROAD/AVENUE 26

ROAD 19

ST 36804+28.07

ST 46805+60.88

EB 46812+73.00

BB 46824+66.10

BB 36824+33.24

VARIES 170'-336'

EB 36834+23.24

TS 36835+61.02

EB 46835+56.10

TS 46836+93.89

BB 36846+29.55

BB 46847+62.32

EB 36848+29.55

LLT 36849+50.77

EB 46849+62.41

LLT 46850+83.63

N 00°20' 00" E

35.0'

16.5'

35.0'

36795+00 36800+00 36805+00 36810+00 36815+00 36820+00 36825+00 36830+00 36835+00 36840+00 36845+00 36850+00

46795+00 46800+00 46805+00 46810+00 46815+00 46820+00 46825+00 46830+00 46835+00 46840+00 46845+00 46850+00

K L M

200 0 200 400

HORIZ: 1"=200'

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36794+00 TO 36850+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1650-B
SCALE AS SHOWN
SHEET NO.

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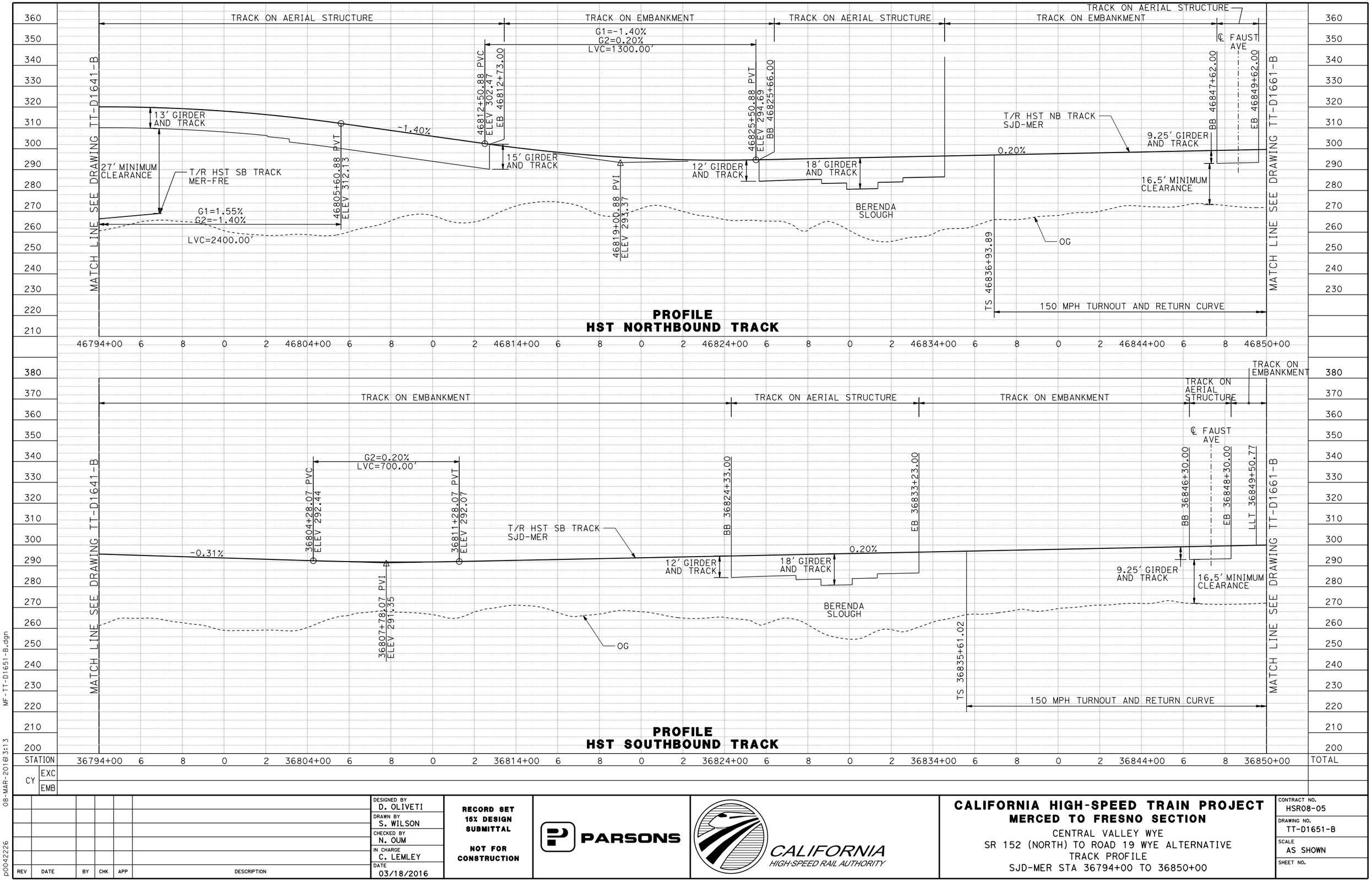

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08-MAR-2016 13:13
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

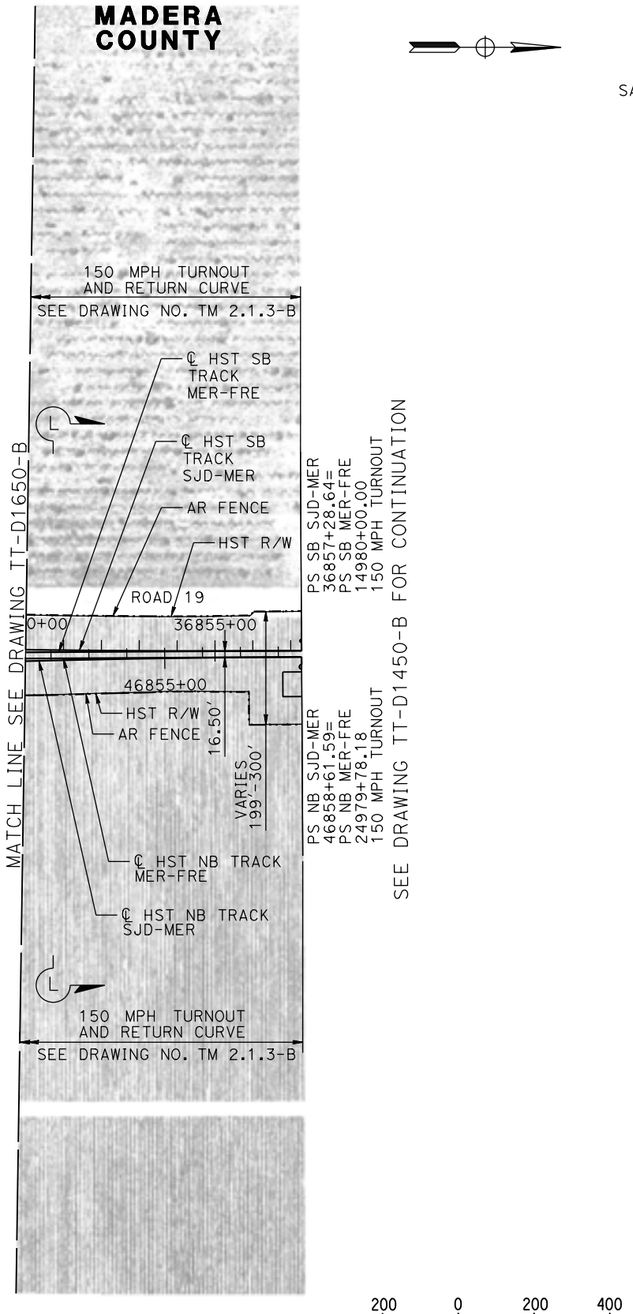
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

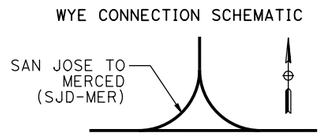
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36794+00 TO 36850+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1651-B
SCALE AS SHOWN
SHEET NO.



WYE CONNECTION SCHEMATIC



PLAN

200 0 200 400

HORIZ: 1"=200'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY S. WILSON
CHECKED BY N. OUM
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 19 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36850+00 TO 36857+28.64

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1660-B
SCALE AS SHOWN
SHEET NO.

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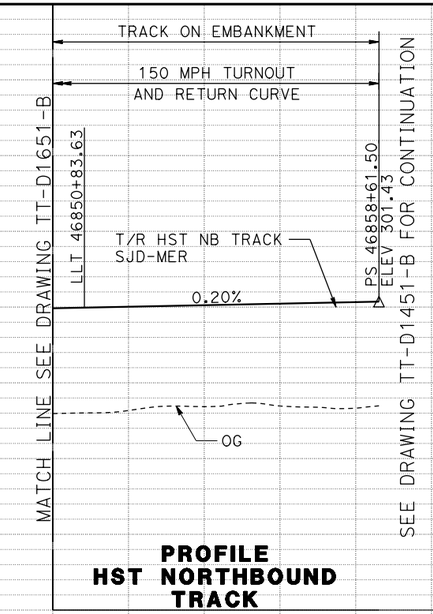
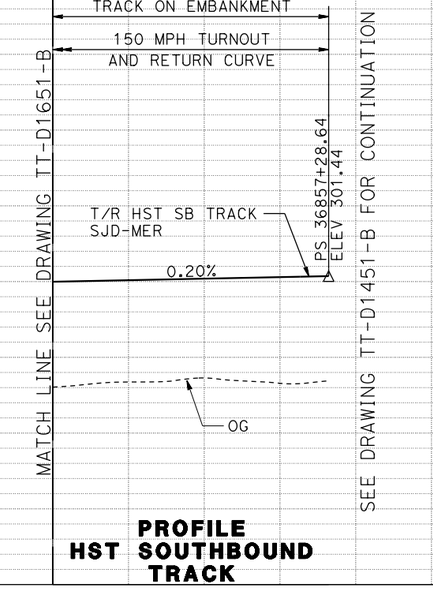


PROFILE
HST NORTHBOUND TRACK

46850+00 2 4 6 46858+62



PROFILE
HST SOUTHBOUND TRACK

STATION	36850+00	2	4	636857+29	TOTAL
CY EXC					
CY EMB					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: S. WILSON
CHECKED BY: N. OUM
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 19 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36850+00 TO 36857+28.64

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1661-B
SCALE AS SHOWN
SHEET NO.

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