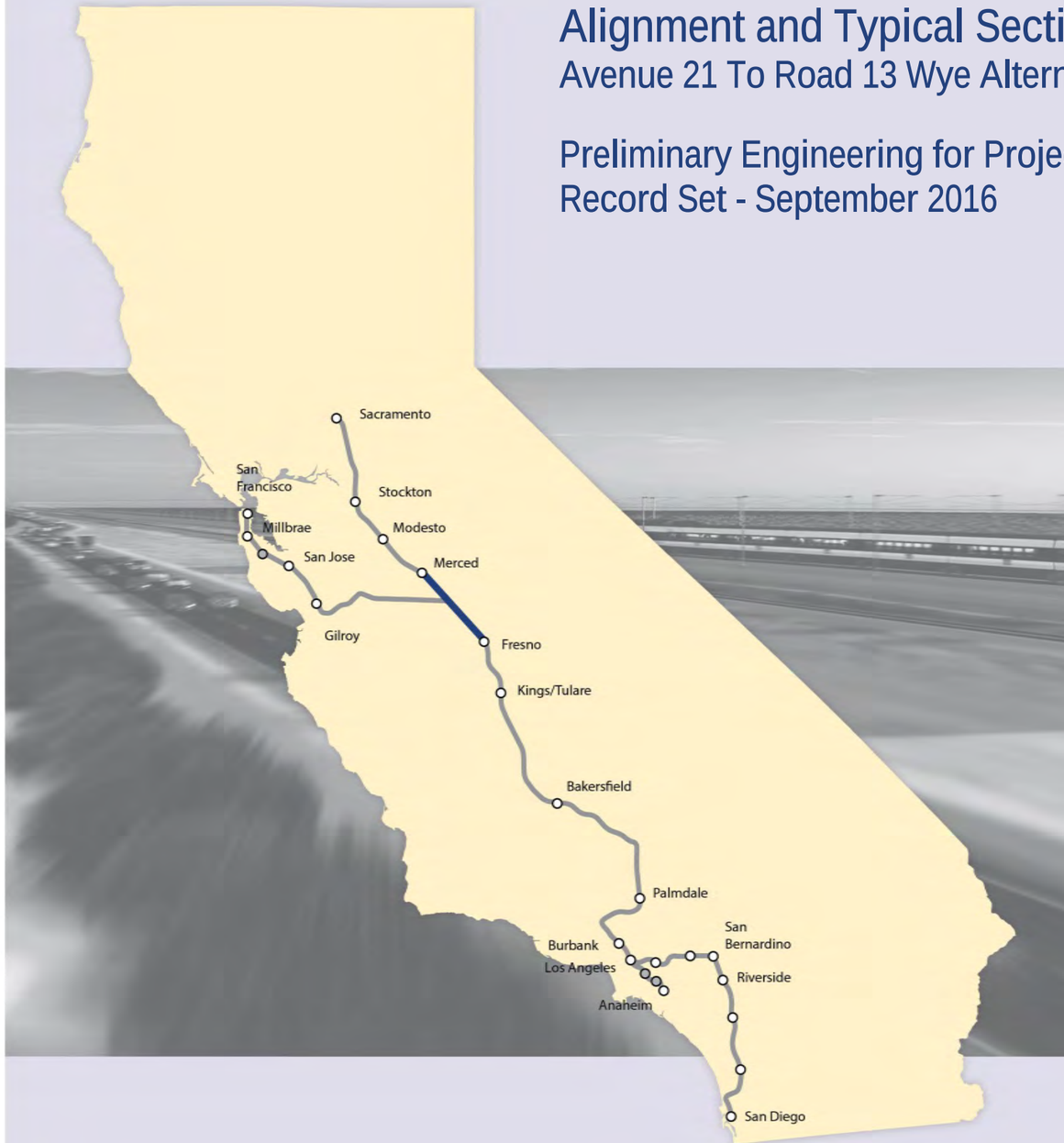
California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 3 of 4)

Avenue 21 To Road 13 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



CALIFORNIA High-Speed Rail Authority

U.S. Department of Transportation
Federal Railroad Administration

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
GENERAL				
TT-B0001	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	COVER	
TT-B0002	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 1 OF 9
TT-B0003	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 2 OF 9
TT-B0004	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 3 OF 9
TT-B0005	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 4 OF 9
TT-B0006	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 5 OF 9
TT-B0007	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 6 OF 9
TT-B0008	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 7 OF 9
TT-B0009	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 8 OF 9
TT-B0010	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 9 OF 9
TT-B0011	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B0012	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B4000	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	LOCATION PLAN	
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE				
TT-C4001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
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
TT-B0027-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
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
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CONTRACT NO. HSR08-05
DRAWING NO. TT-B0002
SCALE NO SCALE
SHEET NO.

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

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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

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
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TT-D1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE				
TT-C4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
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
TT-B0023-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
TT-B0027-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
TT-B0031-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
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
TT-B0052-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 9
TT-B0053-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 9
TT-B0054-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 5 OF 9
TT-B0055-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 9
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
TT-D1020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
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SHEET NO.

15-AUG-2016 14:57 MF-TT-B0004.dgn p0066533

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
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

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
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CONTRACT NO. HSR08-05
DRAWING NO. TT-B0005
SCALE NO SCALE
SHEET NO.

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INDEX OF DRAWINGS				
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
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
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CONTRACT NO. HSR08-05
DRAWING NO. TT-B0006
SCALE NO SCALE
SHEET NO.

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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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
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SHEET NO.

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INDEX OF DRAWINGS				
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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CENTRAL VALLEY WYE
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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

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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

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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.

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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

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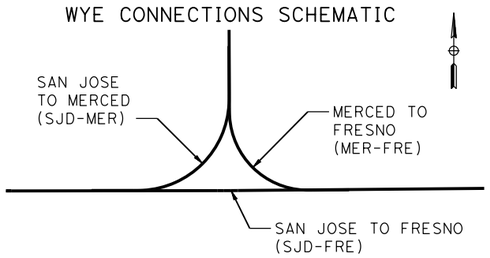
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

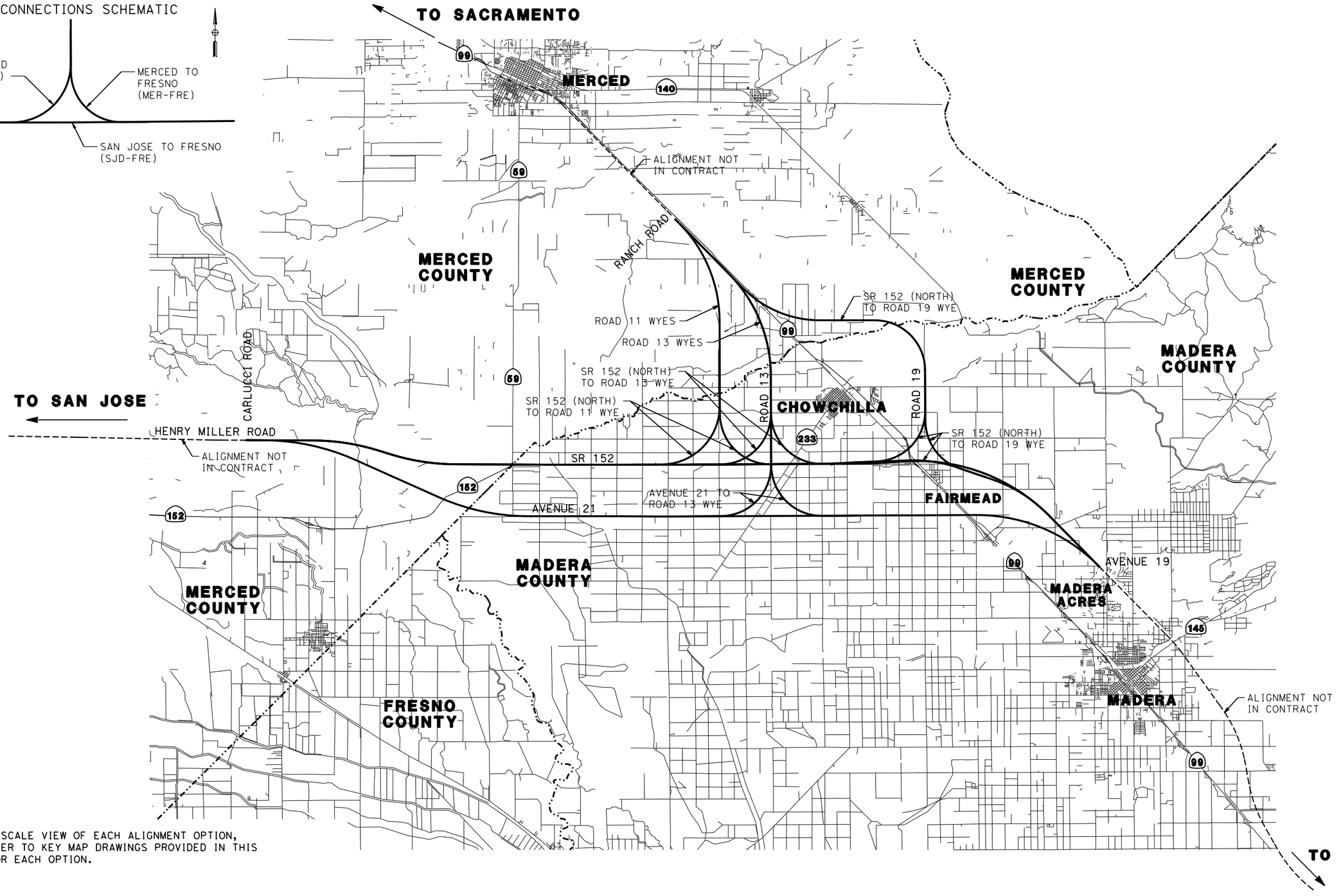
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 2 OF 2

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

MF-TT-B0012.dgn
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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

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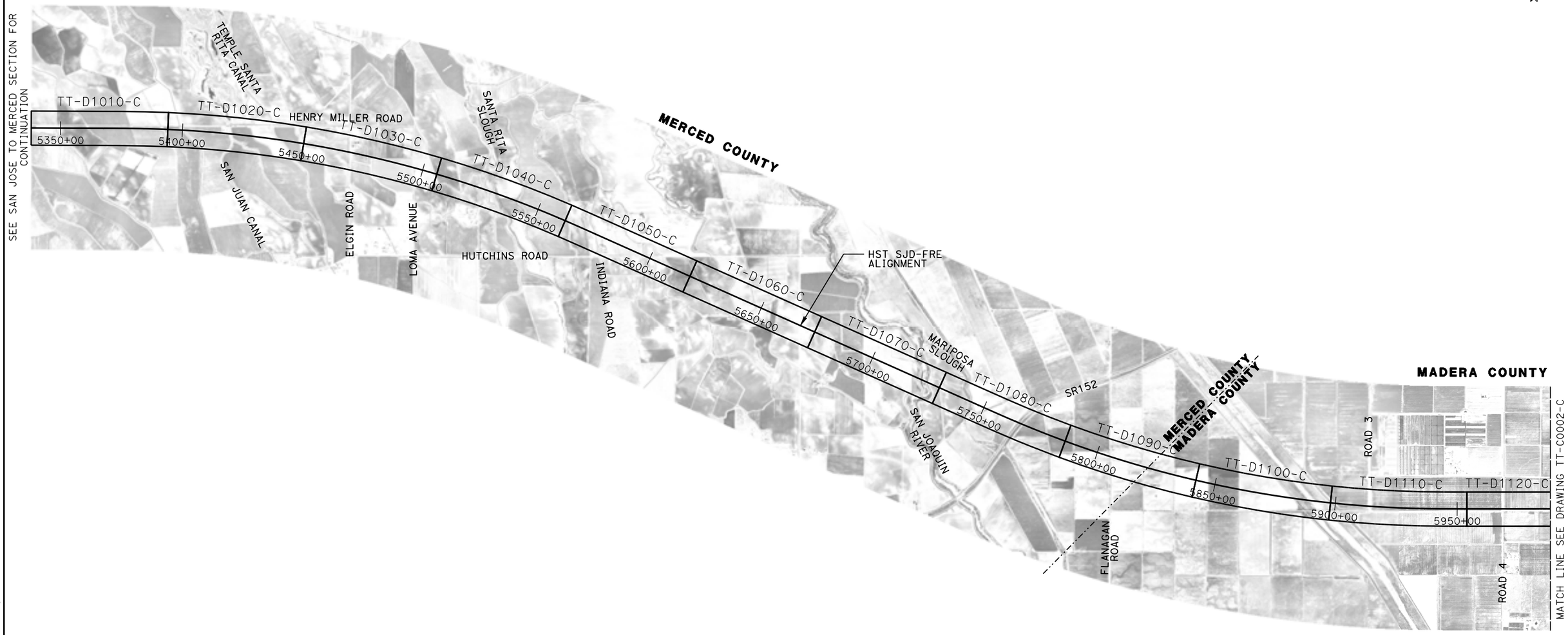
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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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16-AUG-2016 09:14
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

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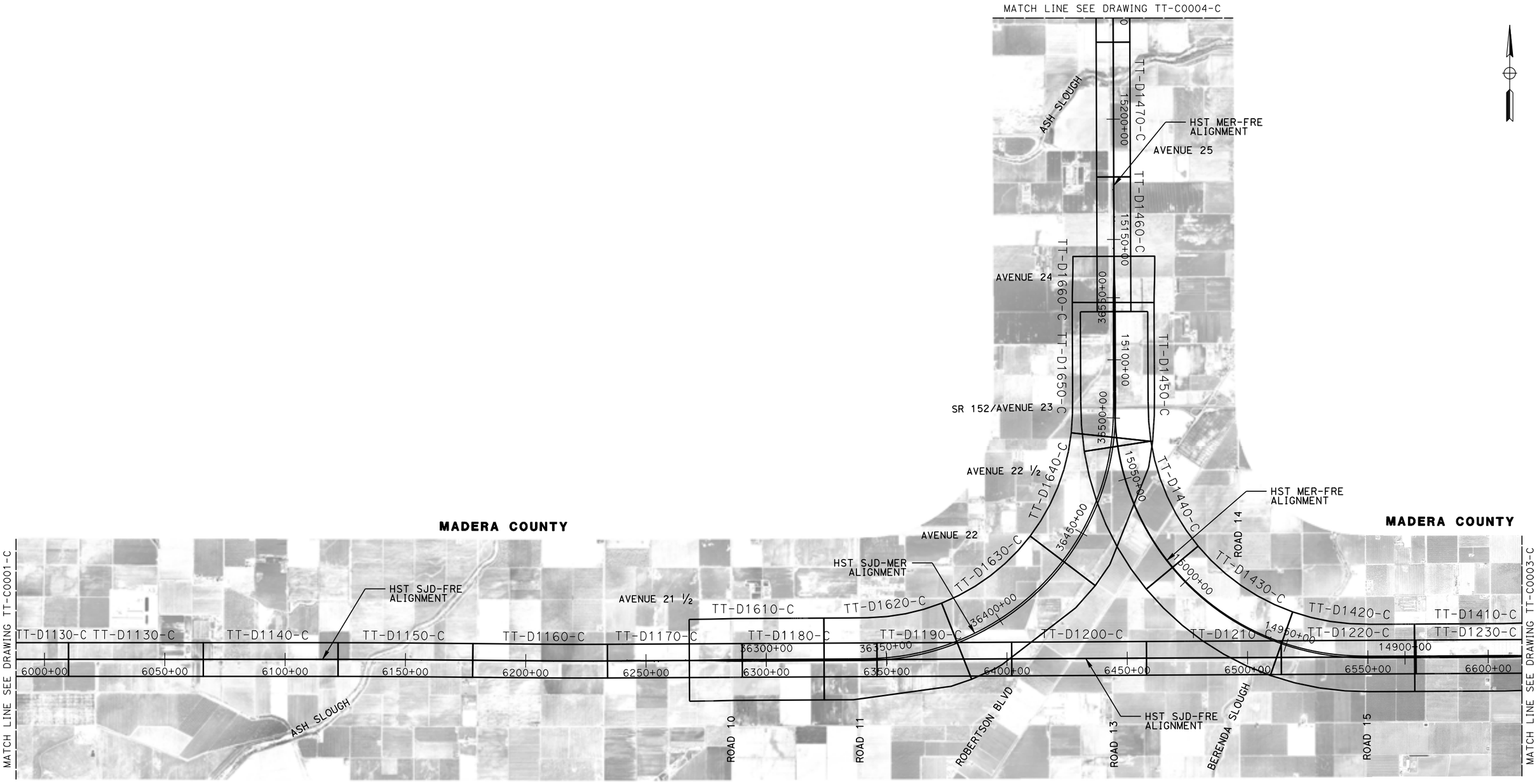
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. TT-C0001-C
SCALE N.T.S
SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

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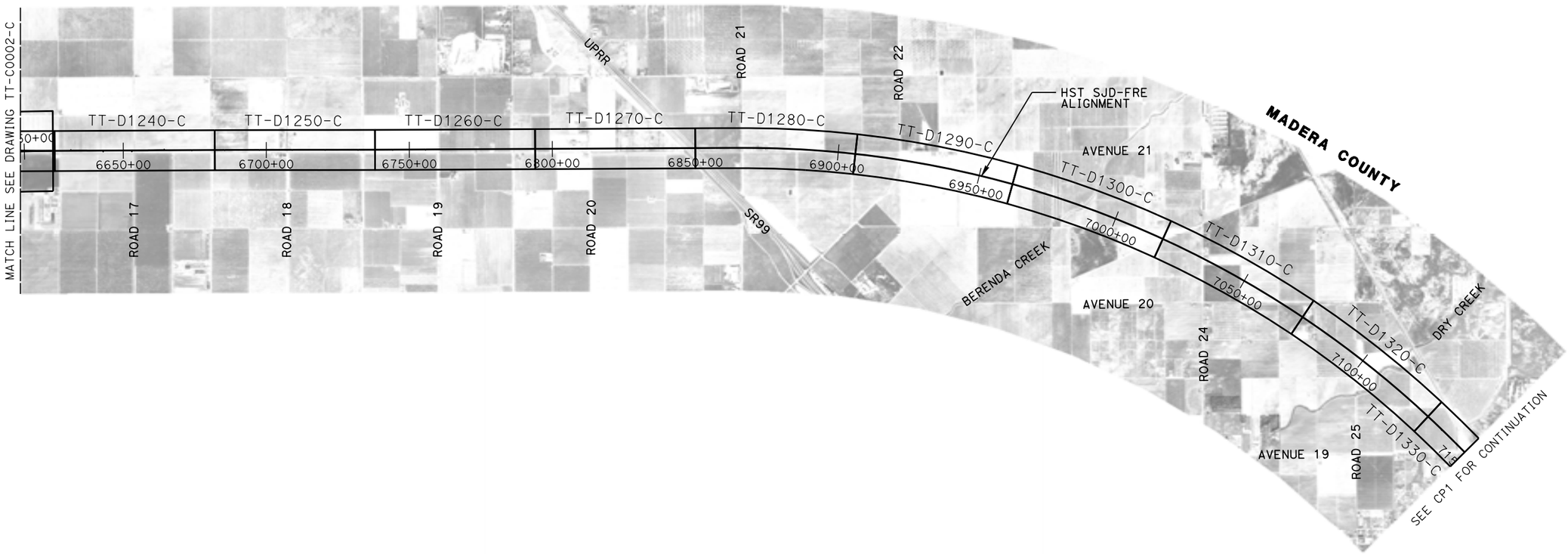
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. TT-C0002-C
SCALE N.T.S.
SHEET NO.

MF-TT-C0002-C.dgn
07-MAR-2016 07:59
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE: C. LEMLEY
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO. HSR08-05
DRAWING NO. TT-C0003-C
SCALE N.T.S.
SHEET NO.

MF-TT-C0003-C.dgn
07-MAR-2016 08:00
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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY: M. TACTAY
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IN CHARGE: C. LEMLEY
DATE: 03/18/2016

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.: HSR08-05
DRAWING NO.: TT-C0004-C
SCALE: N.T.S.
SHEET NO.:

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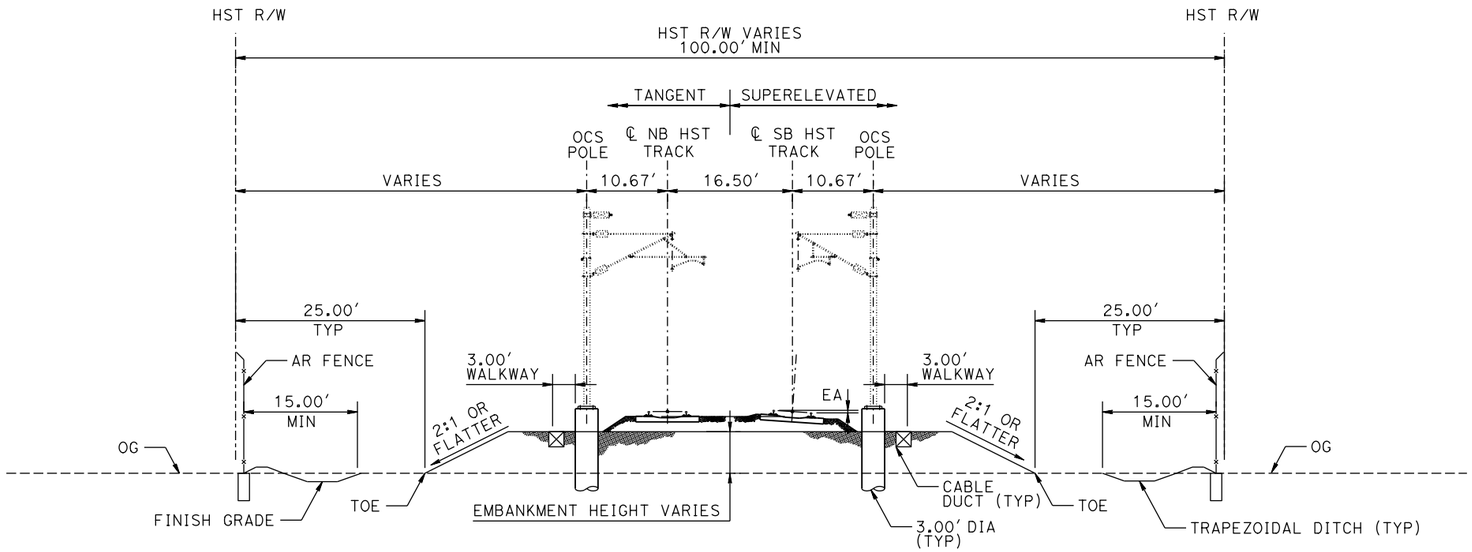
SECTION A-A

TANGENT

STATION SJD-FRE 5338+00 TO 5367+74
STATION SJD-FRE 5575+66 TO 5719+30
STATION SJD-FRE 5727+10 TO 5741+40
STATION SJD-FRE 5953+15 TO 6086+75
STATION SJD-FRE 6239+67 TO 6270+00
STATION SJD-FRE 6353+00 TO 6464+70
STATION SJD-FRE 6522+20 TO 6536+70
STATION SJD-FRE 6625+00 TO 6674+00
STATION SJD-FRE 6709+10 TO 6720+60
STATION SJD-FRE 6755+71 TO 6811+54
STATION SJD-FRE 6852+69 TO 6857+07
STATION SJD-FRE 7154+21 TO 7162+86
STATION SJD-FRE 7171+22 TO 7173+64
STATION SJD-FRE 7176+04 TO 7223+45
STATION SJD-FRE 7229+78 TO 7300+73
STATION MER-FRE 15143+00 TO 15186+15*
STATION MER-FRE 15187+85 TO 15211+65*
STATION MER-FRE 15218+75 TO 15253+19*
STATION MER-FRE 15507+89 TO 15655+00*

SUPERELEVATED

STATION SJD-FRE 5367+74 TO 5575+66
STATION SJD-FRE 5753+40 TO 5764+15
STATION SJD-FRE 5768+95 TO 5804+86
STATION SJD-FRE 5806+11 TO 5881+10
STATION SJD-FRE 5900+90 TO 5953+15
STATION SJD-FRE 6226+72 TO 6239+67
STATION SJD-FRE 6674+00 TO 6709+10
STATION SJD-FRE 6720+60 TO 6755+71
STATION SJD-FRE 6857+07 TO 7106+55
STATION SJD-FRE 7108+95 TO 7154+21
STATION MER-FRE 15253+19 TO 15264+70*
STATION MER-FRE 15266+15 TO 15285+30*
STATION MER-FRE 15294+90 TO 15309+58*
STATION MER-FRE 15315+88 TO 15435+20*
STATION MER-FRE 15437+60 TO 15473+47*
STATION MER-FRE 15476+20 TO 15507+89*



SECTION A-A
TWO TRACKS ON EMBANKMENT

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 PIER FOUNDATION, OR AS INDICATED IN THE SECTIONS, WHICHEVER YIELDS THE LARGEST RIGHT OF WAY.
5. TRACK BALLASTED EXCEPT ON STRUCTURES OVER 1000'.
6. ALL STATION LIMITS ARE TAKEN FROM SOUTHBOUND ALIGNMENT STATIONING.
7. TANGENT AND SUPERELEVATION SPLIT SECTION IS FOR THE PURPOSE OF ILLUSTRATION ONLY.
8. SEE CIVIL AND GRADE SEPARATION PLANS FOR PERMANENT ACCESS AND UTILITY EASEMENTS.
9. 6' BENCH REQUIRED ON EMBANKMENT HEIGHT OVER 30' (NOT SHOWN).

* TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.

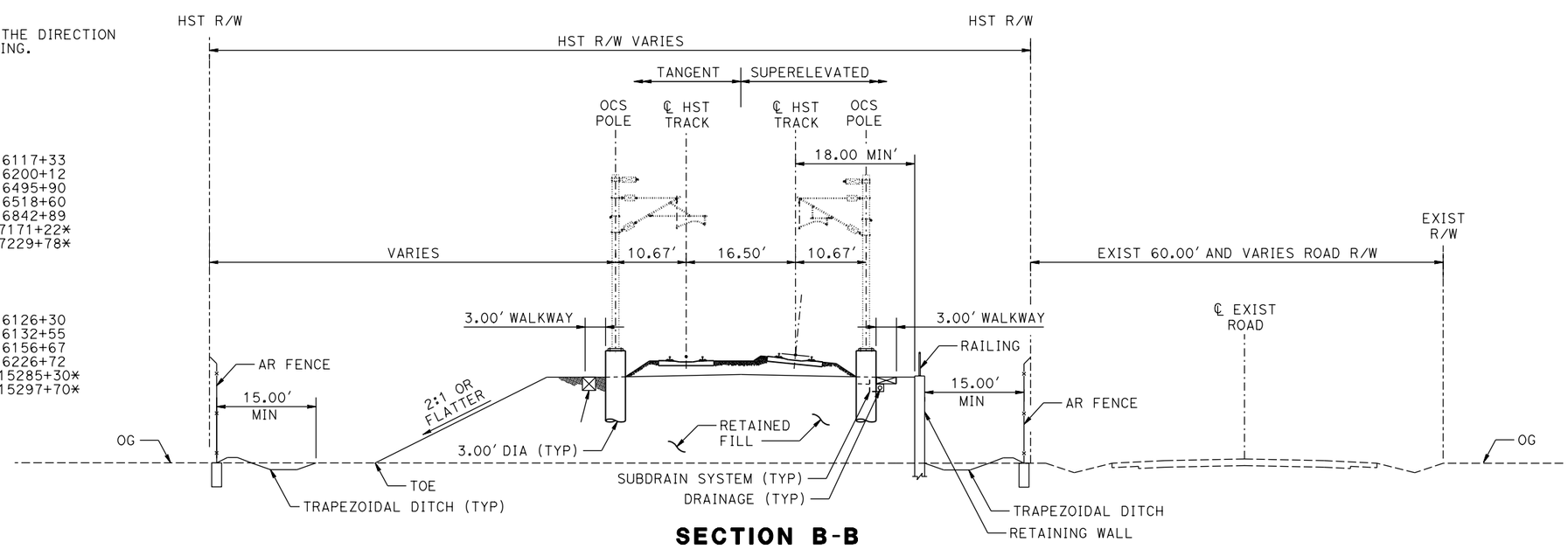
SECTION B-B

TANGENT

STATION SJD-FRE 6086+75 TO 6117+33
STATION SJD-FRE 6156+67 TO 6200+12
STATION SJD-FRE 6464+70 TO 6495+90
STATION SJD-FRE 6497+10 TO 6518+60
STATION SJD-FRE 6812+99 TO 6842+89
STATION SJD-FRE 7162+86 TO 7171+22*
STATION SJD-FRE 7223+45 TO 7229+78*

SUPERELEVATED

STATION SJD-FRE 6117+33 TO 6126+30
STATION SJD-FRE 6127+55 TO 6132+55
STATION SJD-FRE 6140+30 TO 6156+67
STATION SJD-FRE 6200+12 TO 6226+72
STATION MER-FRE 15268+72 TO 15285+30*
STATION MER-FRE 15294+90 TO 15297+70*



SECTION B-B
TYPICAL SECTION WITH RETAINED FILL

NOTE: SECTION WITH RETAINING WALL ON LEFT NOT SHOWN

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
TYPICAL SECTIONS
SHEEET 1 OF 8

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

07-MAR-2016 08:01
MF-TT-B0020-C.dgn
p0042226

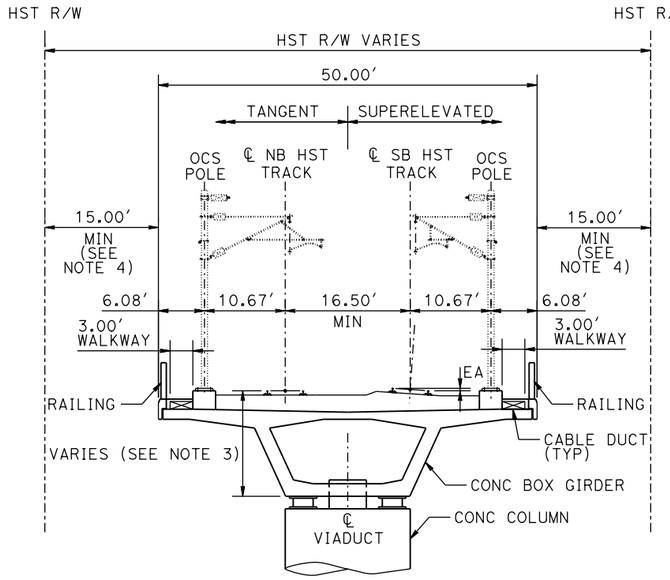
SECTION C-C

TANGENT

STATION SJD-FRE 5719+30 TO 5727+10
STATION SJD-FRE 5741+40 TO 5747+55
STATION SJD-FRE 6495+90 TO 6497+10
STATION SJD-FRE 6518+60 TO 6522+20
STATION SJD-FRE 6811+54 TO 6812+99
STATION SJD-FRE 6842+89 TO 6852+69
STATION SJD-FRE 7173+64 TO 7176+04
STATION MER-FRE 15188+15 TO 15187+85*
STATION MER-FRE 15211+65 TO 15218+78*

SUPERELEVATED

STATION SJD-FRE 5747+55 TO 5753+40
STATION SJD-FRE 5764+15 TO 5768+95
STATION SJD-FRE 5804+86 TO 5806+11
STATION SJD-FRE 5881+10 TO 5900+90
STATION SJD-FRE 6126+30 TO 6127+55
STATION SJD-FRE 6132+55 TO 6140+30
STATION SJD-FRE 7106+55 TO 7108+95
STATION MER-FRE 15036+01 TO 15038+41*
STATION MER-FRE 15052+52 TO 15054+72*
STATION MER-FRE 15264+70 TO 15266+15*
STATION MER-FRE 15285+30 TO 15294+90*
STATION MER-FRE 15309+58 TO 15312+88*
STATION MER-FRE 15435+20 TO 15437+60*



SECTION C-C
TWO TRACKS ON AERIAL STRUCTURE

NOTE:

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

SECTION D-D

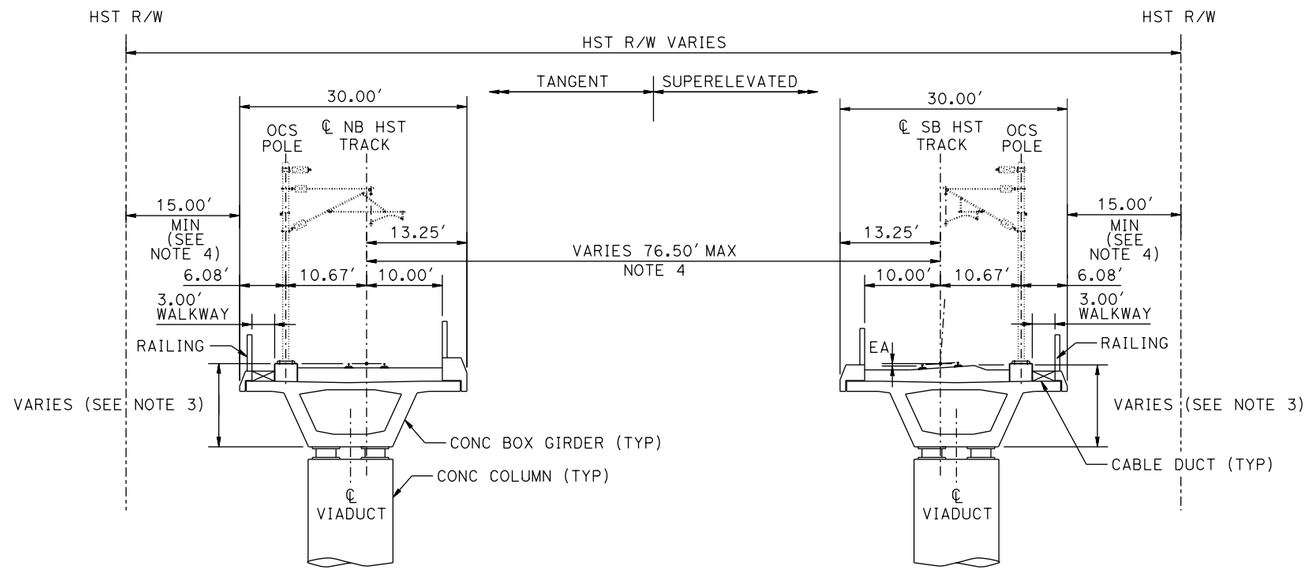
TANGENT

NONE

SUPERELEVATED

STATION MER-FRE 14942+95 TO 14946+06*
STATION MER-FRE 14970+75 TO 14972+80*
STATION SJD-MER 36476+37 TO 36479+27

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING



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

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
TYPICAL SECTIONS
SHEET 2 OF 8

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

MF-TT-B0021-C.dgn
07-MAR-2016 08:01
p0042226

SECTION E-E

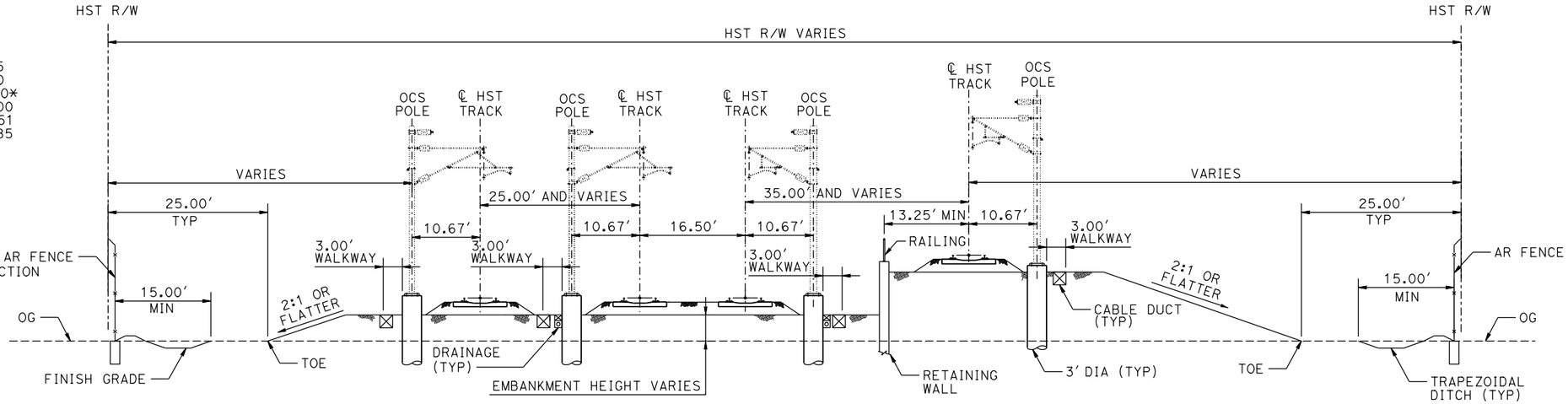
TANGENT

STATION SJD-FRE 6305+00 TO 6326+85
STATION SJD-FRE 6577+30 TO 6590+00
STATION MER-FRE 14876+00 TO 14888+00*
STATION MER-FRE 15102+00 TO 15121+00
STATION SJD-MER 36525+74 TO 36545+51
STATION SJD-MER 36305+00 TO 36326+85

SUPERELEVATED

NONE

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.



SECTION E-E
THREE TRACKS AT GRADE
ONE TRACK ON RETAINED FILL

NOTE: OPTIONAL RETAINING WALL TO OUTSIDE OF HST TRACK NOT SHOWN

SECTION F-F

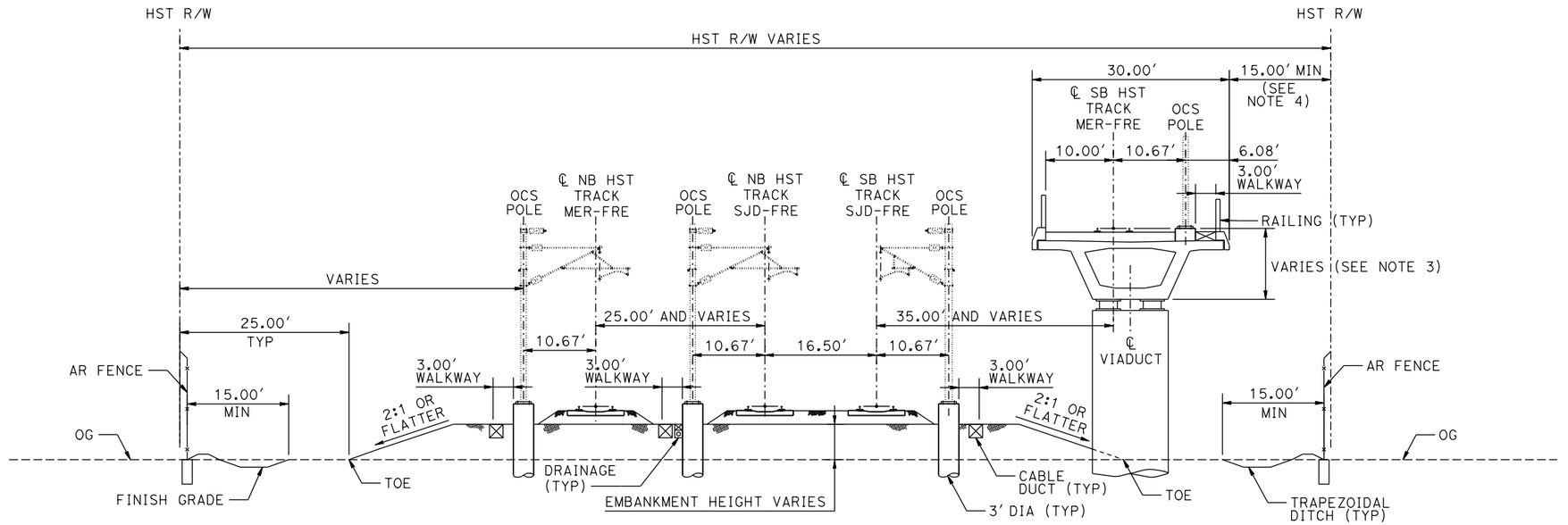
TANGENT

STATION SJD-FRE 6549+50 TO 6577+30
STATION MER-FRE 14888+10 TO 14908+88*

SUPERELEVATED

STATION MER-FRE 14908+88 TO 14916+70*

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.



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

NOTE:

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
TYPICAL SECTIONS
SHEET 3 OF 8

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

MF-TT-B0022-C.dgn
07-MAR-2016 08:02
p0042226

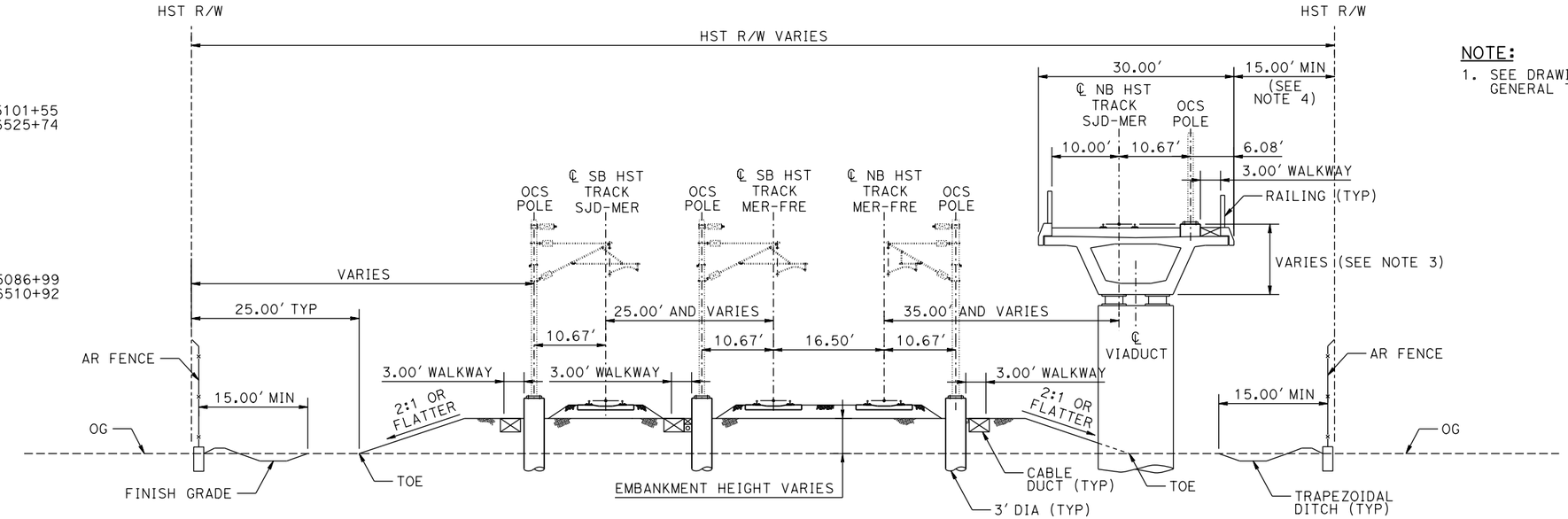
SECTION G-G

TANGENT

STATION MER-FRE 15086+99 TO 15101+55
STATION SJD-MER 36510+92 TO 36525+74

SUPERELEVATED

STATION MER-FRE 15081+71 TO 15086+99
STATION SJD-MER 36506+88 TO 36510+92



NOTE:

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

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

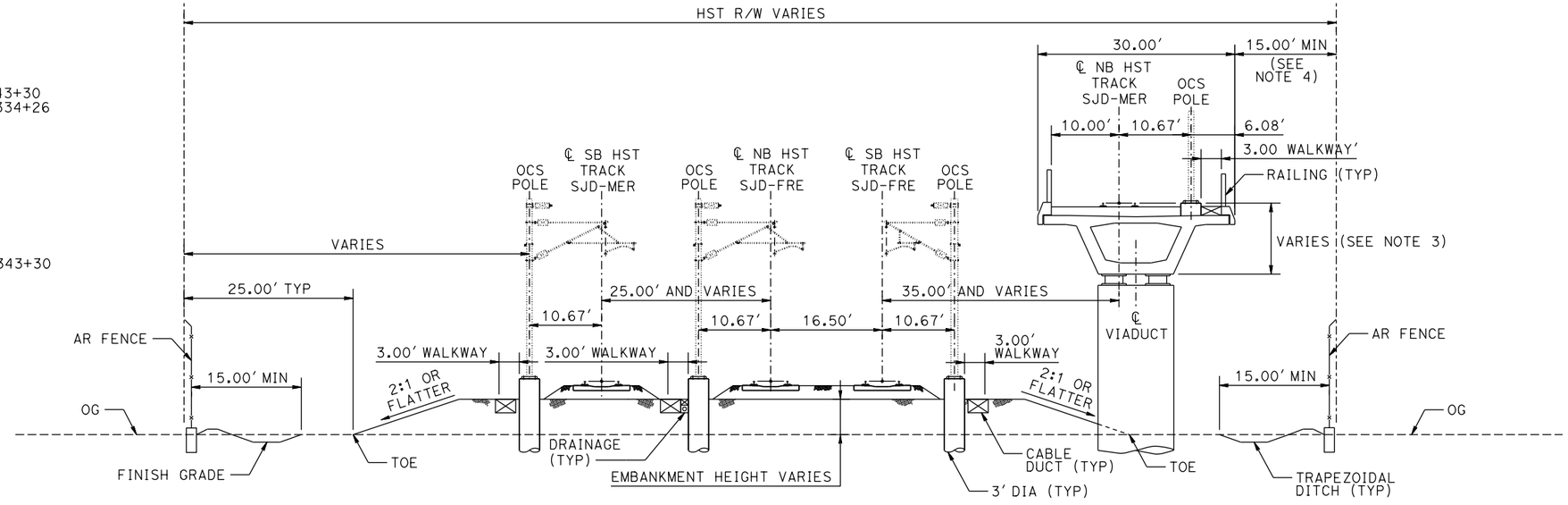
SECTION H-H

TANGENT

STATION SJD-FRE 6326+85 TO 6343+30
STATION SJD-MER 36326+85 TO 36334+26

SUPERELEVATED

STATION SJD-MER 36334+26 TO 36343+30



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
TYPICAL SECTIONS
SHEET 4 OF 8

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

MF-TT-B0023-C.dgn
07-MAR-2016 08:02
p0042226

SECTION I-I

TANGENT

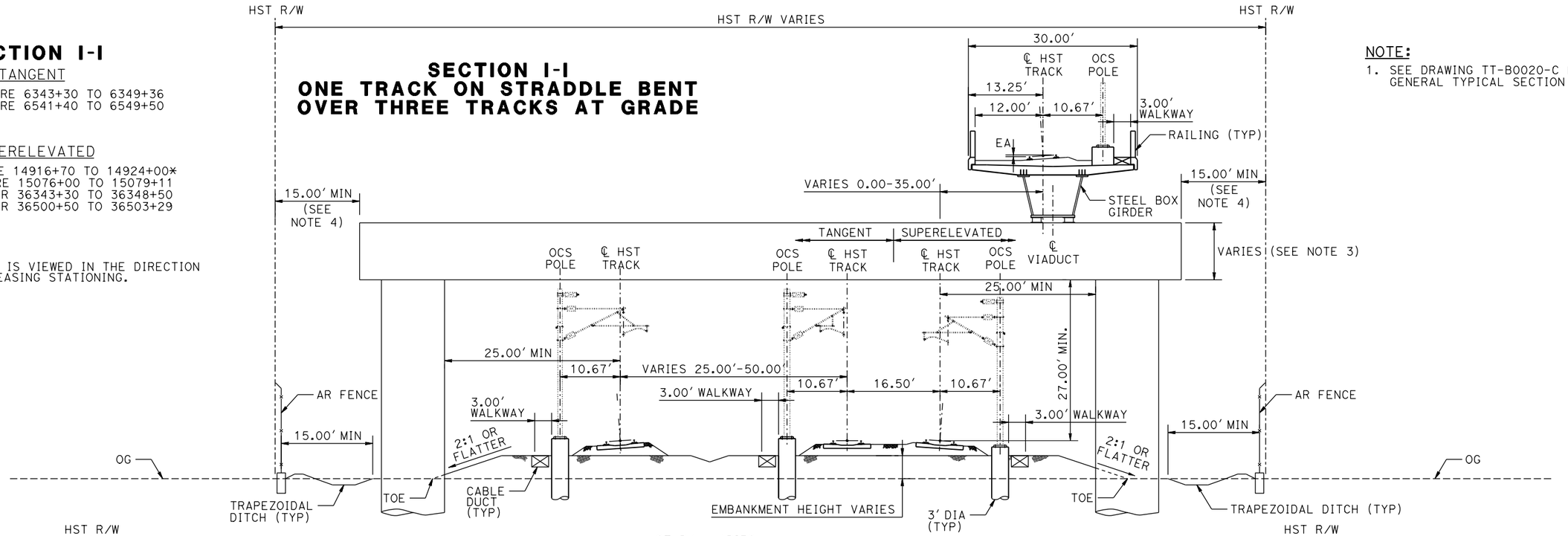
STATION SJD-FRE 6343+30 TO 6349+36
STATION SJD-FRE 6541+40 TO 6549+50

SUPERELEVATED

STATION MER-FRE 14916+70 TO 14924+00*
STATION MER-FRE 15076+00 TO 15079+11
STATION SJD-MER 36343+30 TO 36348+50
STATION SJD-MER 36500+50 TO 36503+29

* TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.

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



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

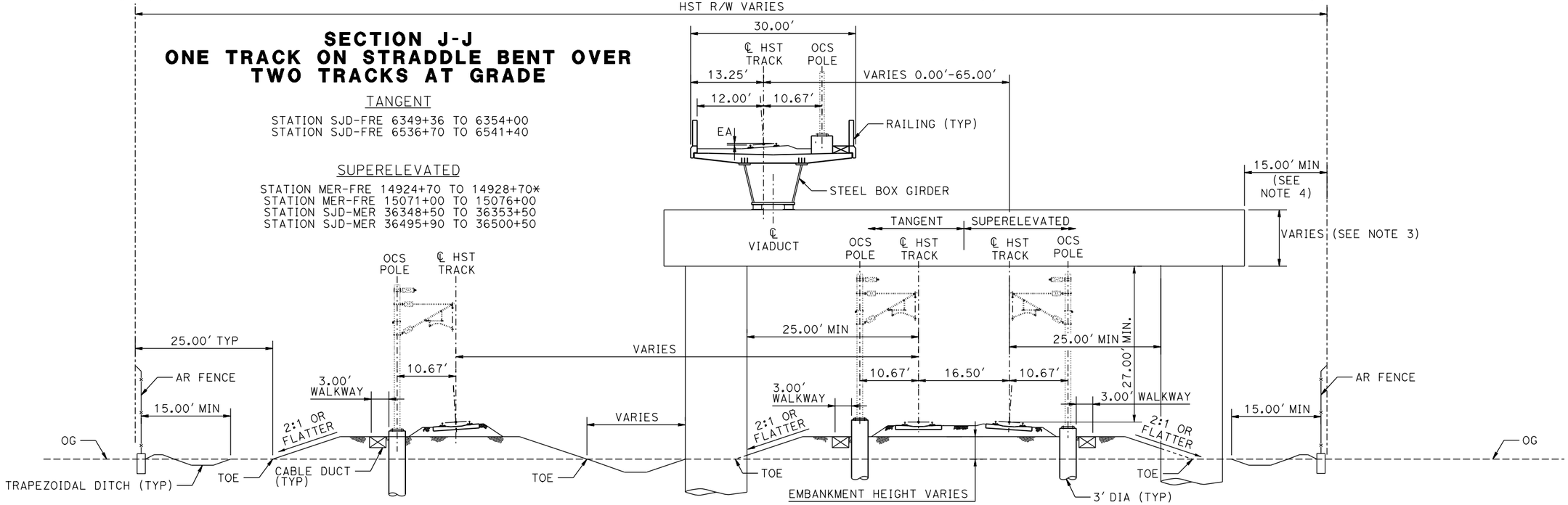
SECTION J-J
ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

TANGENT

STATION SJD-FRE 6349+36 TO 6354+00
STATION SJD-FRE 6536+70 TO 6541+40

SUPERELEVATED

STATION MER-FRE 14924+70 TO 14928+70*
STATION MER-FRE 15071+00 TO 15076+00
STATION SJD-MER 36348+50 TO 36353+50
STATION SJD-MER 36495+90 TO 36500+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
TYPICAL SECTIONS
SHEET 5 OF 8

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

07-MAR-2016 8:03 MF-TT-B0024-C.dgn
p0042226

SECTION K-K

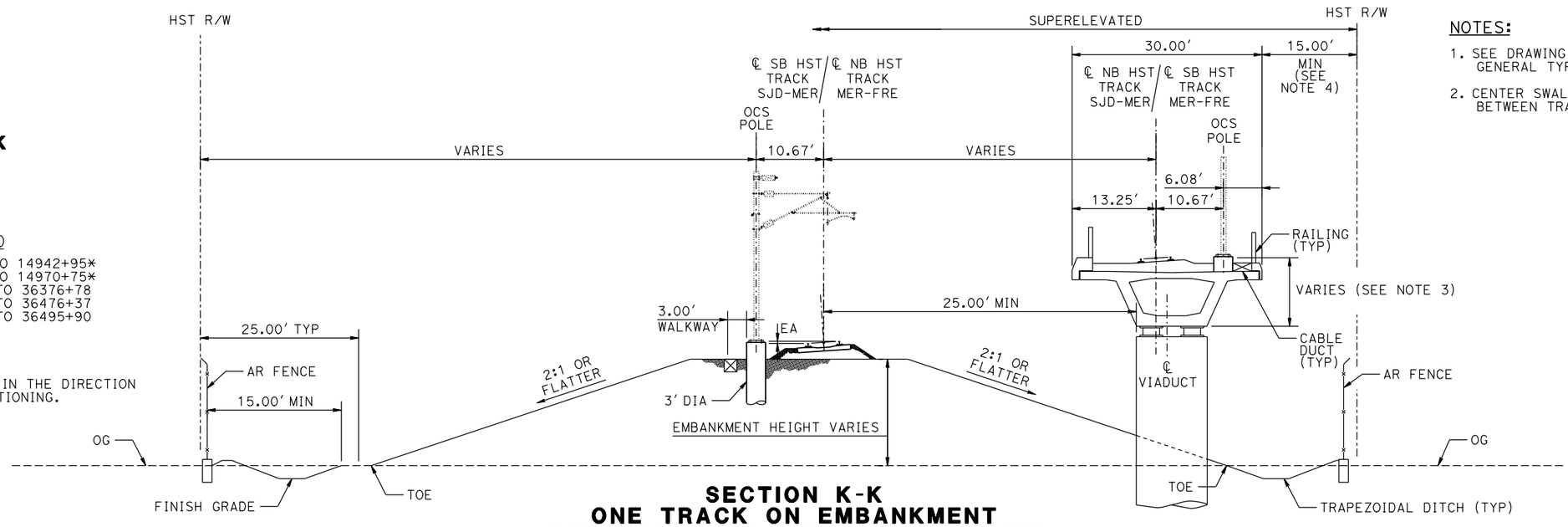
TANGENT

NONE

SUPERELEVATED

STATION MER-FRE 14928+70 TO 14942+95*
STATION MER-FRE 14946+35 TO 14970+75*
STATION SJD-MER 36353+50 TO 36376+78
STATION SJD-MER 36458+42 TO 36476+37
STATION SJD-MER 36479+27 TO 36495+90

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.



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

SECTION L-L

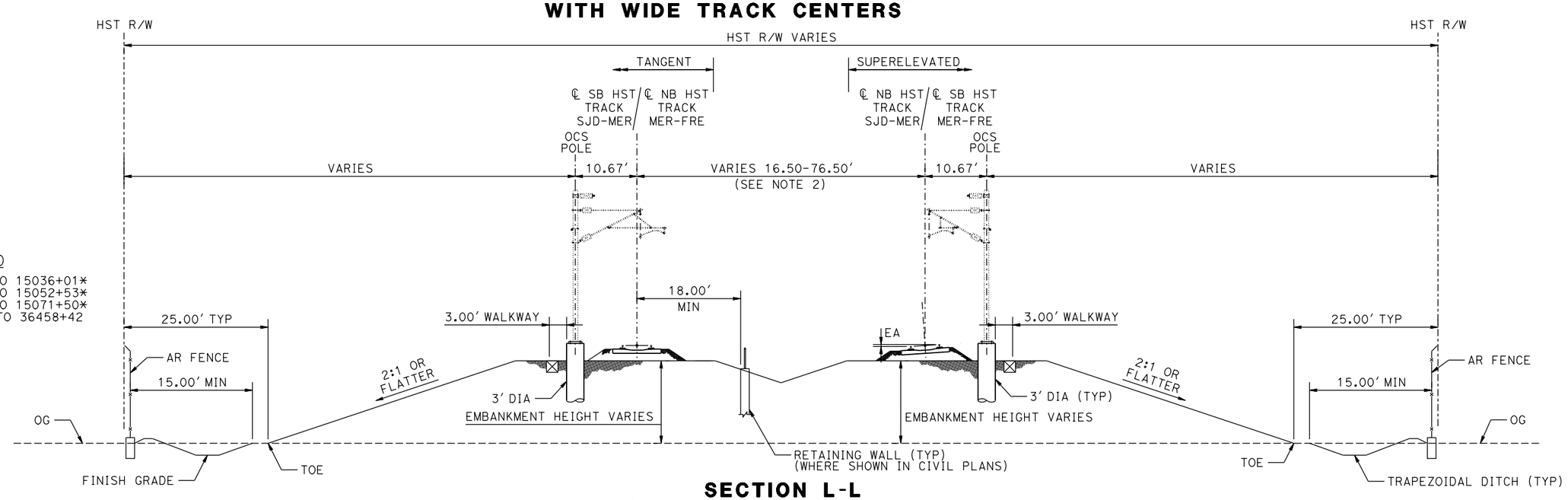
TANGENT

NONE

SUPERELEVATED

STATION MER-FRE 14972+80 TO 15036+01*
STATION MER-FRE 15038+41 TO 15052+53*
STATION MER-FRE 15054+73 TO 15071+50*
STATION SJD-MER 36376+78 TO 36458+42

*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING.



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

NOTES:

1. SEE DRAWING TT-B0020-C 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 M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

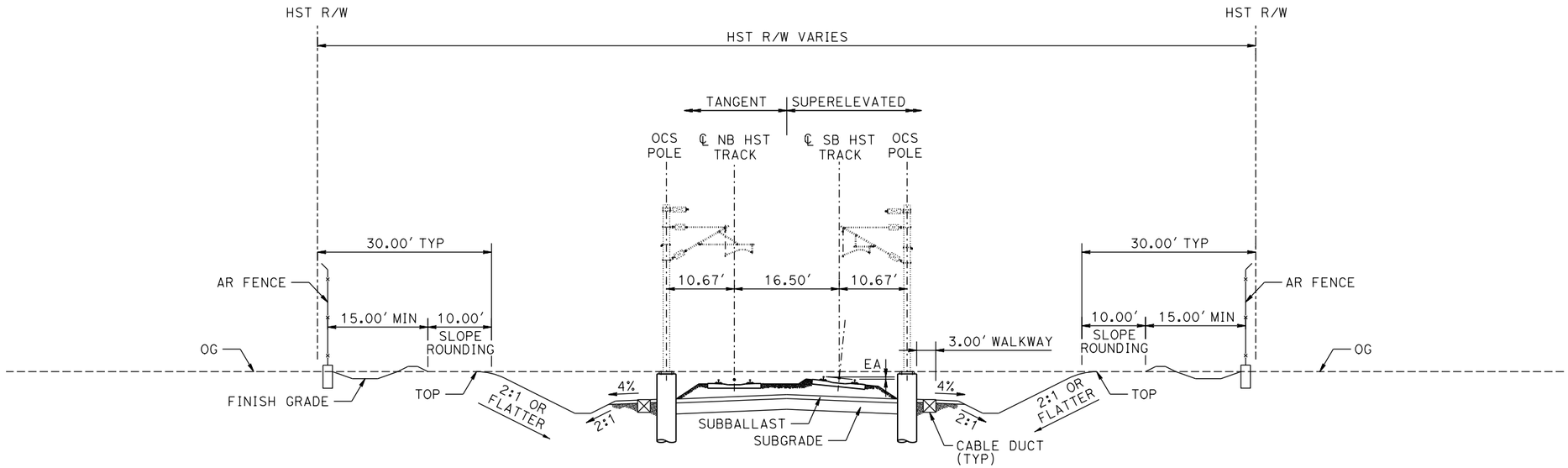
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 6 OF 8

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

07-MAR-2016 08:04 WF-TT-B0025-C.dgn p0042226

NOTE:

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



SECTION M-M
TWO TRACKS IN CUT

TANGENT

NONE

SUPERELEVATED

STATION MER-FRE 15473+47 TO 15476+20

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
TYPICAL SECTIONS
SHEET 7 OF 8

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

MF-TT-B0026-C.dgn
07-MAR-2016 08:04
p0042226

NOTE:

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

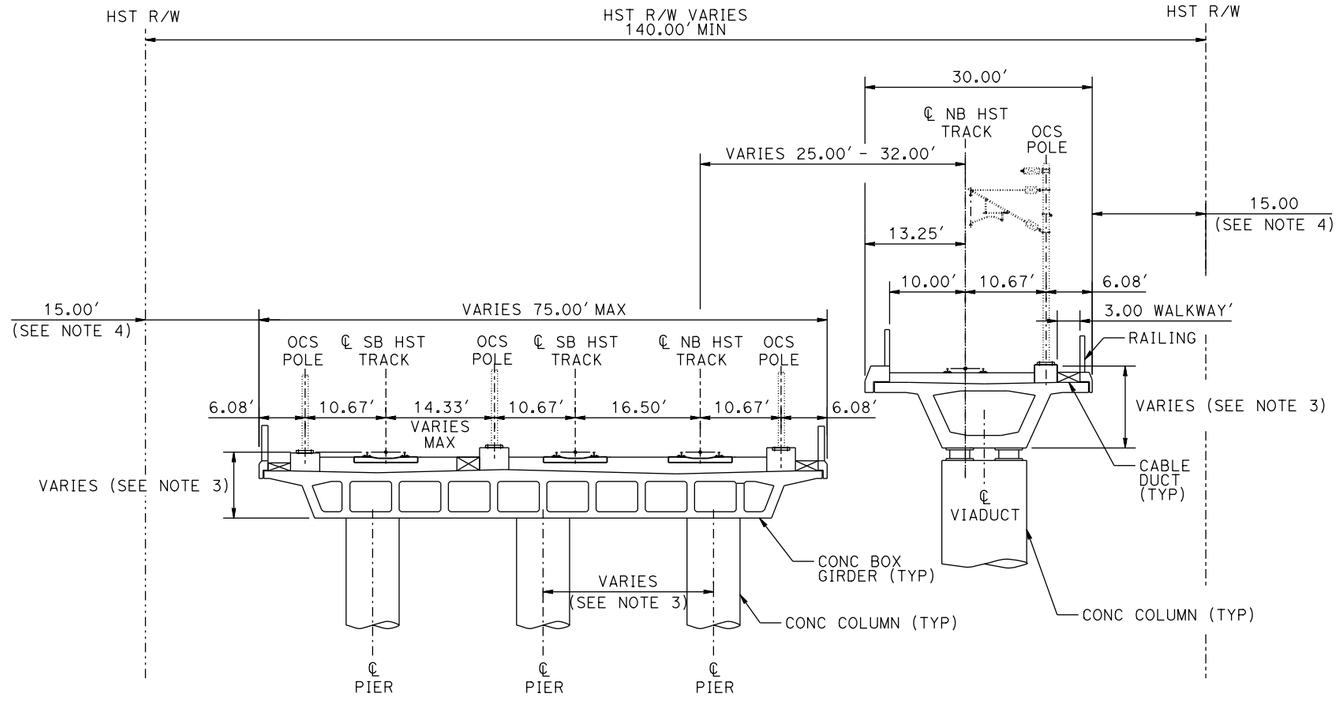
SECTION O-O
FOUR TRACKS ON TWO AERIAL STRUCTURES

TANGENT

NONE

SUPERELEVATED

STATION MER-FRE 15079+11 TO 15081+71
STATION SJD-MER 36503+28 TO 36505+88



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: M. TACTAY
CHECKED BY: ELVIS C.
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
TYPICAL SECTIONS
SHEET 8 OF 8

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

12-MAR-2016 06:54 MF-TT-B0027-C.dgn p0042226

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

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		2974.09							S 89°46'01" E		
	TANGENT	TS	5367+74.09	1858039.02	6512080.45											
21-13 SJD-FRE 1 SB	CLOTHOID	TS	5367+74.09	1858039.02	6512080.45											
	CLOTHOID	SPI	5378+74.11	1858034.54	6513180.46		1650	1°01'39"	824.99	2.47					S 89°46'01" E	S 88°44'22" E
	CLOTHOID	SC	5384+24.09	1858022.44	6513730.35											
	ARC	SC	5384+24.09	1858022.44	6513730.35											
	ARC	PI	5472+76.87	1857827.68	6522580.99	46000	17491.7	21°47'13"			250	3.75	1.68		S 88°44'22" E	S 66°57'09" E
	ARC	CC		1812033.58	6512718.35											
	ARC	CS	5559+15.79	1854361.86	6530727.14											
	CLOTHOID	CS	5559+15.79	1854361.86	6530727.14											
	CLOTHOID	SPI	5564+65.81	1854146.53	6531233.25		1650	1°01'39"	824.99	2.47					S 66°57'09" E	S 65°55'29" E
	CLOTHOID	ST	5575+65.79	1853697.8	6532237.58											
	TANGENT	ST	5575+65.79	1853697.8	6532237.58		17188.97							S 65°55'29" E		
	TANGENT	TS	5747+54.76	1846685.82	6547931.30											
21-13 SJD-FRE 2 SB	CLOTHOID	TS	5747+54.76	1846685.82	6547931.30											
	CLOTHOID	SPI	5758+54.78	1846237.08	6548935.63		1650	1°03'00"	824.99	2.52					S 65°55'29" E	S 66°58'30" E
	CLOTHOID	SC	5764+04.76	1846021.95	6549441.83											
	ARC	SC	5764+04.76	1846021.95	6549441.83											
	ARC	PI	5851+42.24	1842604.42	6557483.23	45016.5	17260.35	21°58'07"			250	4.00	1.55		S 66°58'30" E	S 88°56'36" E
	ARC	CC		1887452.14	6567049.35											
	ARC	CS	5936+65.11	1842443.29	6566219.23											
	CLOTHOID	CS	5936+65.11	1842443.29	6566219.23											
	CLOTHOID	SPI	5942+15.13	1842433.15	6566769.15		1650	1°03'00"	824.99	2.52					S 88°56'36" E	S 89°59'36" E
	CLOTHOID	ST	5953+15.11	1842433.02	6567869.17											
	TANGENT	ST	5953+15.11	1842433.02	6567869.17		16417.55							S 89°59'36" E		
	TANGENT	TS	6117+32.66	1842431.14	6584286.72											
21-13 SJD-FRE 3 SB	CLOTHOID	TS	6117+32.66	1842431.14	6584286.72											
	CLOTHOID	SPI	6124+99.33	1842431.05	6585053.39		1150	0°06'11"	575.00	0.17					S 89°59'36" E	S 89°53'26" E
	CLOTHOID	SC	6128+82.66	1842430.32	6585436.72											
	ARC	SC	6128+82.66	1842430.32	6585436.72											
	ARC	PI	6137+00.01	1842428.75	6586254.06	320000	1634.69	0°17'34"			250	0.50	0.28		S 89°53'26" E	S 89°35'52" E
	ARC	CC		1522430.9	6584824.95											
	ARC	CS	6145+17.35	1842423.02	6587071.39											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 1 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0050-C
SCALE NO SCALE
SHEET NO.

28-OCT-2015 5:31 MF-TT-B0050-C.dgn p0051133a

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

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	CS	6145+17.35	1842423.02	6587071.39											
	CLOTHOID	SPI	6149+00.69	1842420.32	6587454.72		1150	0°06'11"	575.00	0.17					S 89°35'52" E	S 89°29'41" E
	CLOTHOID	ST	6156+67.35	1842413.56	6588221.35											
	TANGENT	ST	6156+67.35	1842413.56	6588221.35		4344.28							S 89°29'41" E		
	TANGENT	TS	6200+11.63	1842375.26	6592565.46											
21-13 SJD-FRE 4 SB	CLOTHOID	TS	6200+11.63	1842375.26	6592565.46											
	CLOTHOID	SPI	6207+78.30	1842368.50	6593332.1		1150	0°09'53"	575.00	0.28					S 89°29'41" E	S 89°39'34" E
	CLOTHOID	SC	6211+61.63	1842366.22	6593715.43											
	ARC	SC	6211+61.63	1842366.22	6593715.43											
	ARC	PI	6219+89.30	1842361.31	6594543.08	200016.5	1655.32	0°28'27"			250	1.00	0.25		S 89°39'34" E	S 89°51'59" E
	ARC	CC		2042379.19	6594903.98											
	ARC	CS	6228+16.96	1842363.24	6595370.74											
	CLOTHOID	CS	6228+16.96	1842363.24	6595370.74											
	CLOTHOID	SPI	6232+00.29	1842364.13	6595754.08		1150	0°09'53"	575.00	0.28					S 89°51'59" E	S 89°42'06" E
	CLOTHOID	ST	6239+66.96	1842368.12	6596520.73											
	TANGENT	ST	6239+66.96	1842368.12	6596520.73		43433.03							S 89°42'06" E		
	TANGENT	TS	6673+99.99	1842594.34	6639953.17											
	CLOTHOID	TS	6673+99.99	1842594.34	6639953.17											
	CLOTHOID	SPI	6681+66.65	1842598.33	6640719.83		1150	0°03'36"	575.00	0.10					S 89°42'06" E	S 89°45'41" E
	CLOTHOID	SC	6685+49.99	1842599.93	6641103.16											
	ARC	SC	6685+49.99	1842599.93	6641103.16											
21-13 SJD-FRE 5 SB	ARC	PI	6691+55.16	1842602.45	6641708.33	550000	1210.35	0°07'34"			250	0.25	0.20		S 89°45'41" E	S 89°53'15" E
	ARC	CC		1292604.69	6643392.77											
	ARC	CS	6697+60.33	1842603.64	6642313.5											
	CLOTHOID	CS	6697+60.33	1842603.64	6642313.5											
	CLOTHOID	SPI	6701+43.67	1842604.39	6642696.83		1150	0°03'36"	575.00	0.10					S 89°53'15" E	S 89°56'51" E
	CLOTHOID	ST	6709+10.33	1842605.09	6643463.5											
	TANGENT	ST	6709+10.33	1842605.09	6643463.5		1150							S 89°56'51" E		
	TANGENT	TS	6720+60.33	1842606.15	6644613.5											
	CLOTHOID	TS	6720+60.33	1842606.15	6644613.5											
	CLOTHOID	SPI	6728+27.00	1842606.85	6645380.16		1150	0°03'36"	575.00	0.10					S 89°56'51" E	S 89°53'15" E
21-13 SJD-FRE 6 SB	CLOTHOID	SC	6732+10.33	1842607.60	6645763.5											
	ARC	SC	6732+10.33	1842607.60	6645763.5											
	ARC	PI	6738+15.51	1842608.79	6646368.67	550000	1210.35	0°07'34"			250	0.25	0.20		S 89°53'15" E	S 89°45'41" E

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
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IN CHARGE C. LEMLEY
DATE 10/30/2015

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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 2 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0051-C
SCALE NO SCALE
SHEET NO.

28-OCT-2015 15:32 MF-TT-B0051-C.dgn p0051133a

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

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
21-13 SJD-FRE 6 SB	ARC	CC		2392606.54	6644684.23											
	ARC	CS	6744+20.68	1842611.31	6646973.84											
	CLOTHOID	CS	6744+20.68	1842611.31	6646973.84											
	CLOTHOID	SPI	6748+04.01	1842612.90	6647357.17		1150	0°03'36"	575.00	0.10					S 89°45'41" E	S 89°42'06" E
	CLOTHOID	ST	6755+70.68	1842616.90	6648123.82											
	TANGENT	ST	6755+70.68	1842616.90	6648123.82		10136.64							S 89°42'06" E		
	TANGENT	TS	6857+07.32	1842669.69	6658260.33											
21-13 SJD-FRE 7 SB	CLOTHOID	TS	6857+07.32	1842669.69	6658260.33											
	CLOTHOID	SPI	6868+74.02	1842675.77	6659427.01		1750	1°25'57"	874.98	3.65					S 89°42'06" E	S 88°51'58" E
	CLOTHOID	SC	6874+57.32	1842664.22	6660010.27											
	ARC	SC	6874+57.32	1842664.22	6660010.27											
	ARC	PI	7012+13.26	1842391.99	6673763.52	35000	26213.65	42°54'44"			250	4.75	2.39		S 88°51'58" E	S 45°57'13" E
	ARC	CC		1807671.08	6659317.61											
	ARC	CS	7136+70.97	1832828.31	6683650.99											
	CLOTHOID	CS	7136+70.97	1832828.31	6683650.99											
	CLOTHOID	SPI	7141+41.64	1832501.08	6683989.3		1115.10	1°14'38"	355.26	3.65					S 45°57'13" E	S 44°42'35" E
	CLOTHOID	POE	7147+86.07	1832043.07	6684442.69											

29-OCT-2015 18:18 MF-TT-B0052-C.dgn

p0051330

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
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RECORD SET
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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
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 3 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0052-C
SCALE NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

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		2974.09							S 89°46'01" E		
	TANGENT	TS	5367+74.09	1858055.52	6512080.52											
21-13 SJD-FRE 1 NB	CLOTHOID	TS	5367+74.09	1858055.52	6512080.52											
	CLOTHOID	SPI	5378+74.11	1858051.04	6513180.53		1650	1°01'38"	824.99	2.47					S 89°46'01" E	S 88°44'23" E
	CLOTHOID	SC	5384+24.09	1858038.95	6513730.42											
	ARC	SC	5384+24.09	1858038.95	6513730.42											
	ARC	PI	5472+80.35	1857844.17	6522584.54	46016.5	17498.57	21°47'16"			250	3.75	1.68		S 88°44'23" E	S 66°57'07" E
	ARC	CC		1812033.58	6512718.35											
	ARC	CS	5559+22.66	1854376.93	6530733.87											
	CLOTHOID	CS	5559+22.66	1854376.93	6530733.87											
	CLOTHOID	SPI	5564+72.67	1854161.6	6531239.98		1650	1°01'38"	824.99	2.47					S 66°57'07" E	S 65°55'29" E
	CLOTHOID	ST	5575+72.66	1853712.86	6532244.31											
	TANGENT	ST	5575+72.66	1853712.86	6532244.31		17188.97							S 65°55'29" E		
	TANGENT	TS	5747+61.63	1846700.88	6547938.03											
21-13 SJD-FRE 2 NB	CLOTHOID	TS	5747+61.63	1846700.88	6547938.03											
	CLOTHOID	SPI	5758+61.65	1846252.15	6548942.36		1650	1°03'02"	824.99	2.52					S 65°55'29" E	S 66°58'31" E
	CLOTHOID	SC	5764+11.63	1846037.02	6549448.56											
	ARC	SC	5764+11.63	1846037.02	6549448.56											
	ARC	PI	5851+45.59	1842620.91	6557486.75	45000	17253.42	21°58'04"			250	4.00	1.56		S 66°58'31" E	S 88°56'35" E
	ARC	CC		1887452.14	6567049.35											
	ARC	CS	5936+65.05	1842459.8	6566219.23											
	CLOTHOID	CS	5936+65.05	1842459.8	6566219.23											
	CLOTHOID	SPI	5942+15.06	1842449.65	6566769.15		1650	1°03'02"	824.99	2.52					S 88°56'35" E	S 89°59'36" E
	CLOTHOID	ST	5953+15.05	1842449.52	6567869.17											
	TANGENT	ST	5953+15.05	1842449.52	6567869.17		16417.61							S 89°59'36" E		
	TANGENT	TS	6117+32.66	1842447.64	6584286.78											
21-13 SJD-FRE 3 NB	CLOTHOID	TS	6117+32.66	1842447.64	6584286.78											
	CLOTHOID	SPI	6124+99.32	1842447.55	6585053.45		1150	0°06'11"	575	0.17					S 89°59'36" E	S 89°53'26" E
	CLOTHOID	SC	6128+82.66	1842446.82	6585436.78											
	ARC	SC	6128+82.66	1842446.82	6585436.78											
	ARC	PI	6137+00.08	1842445.25	6586254.2	320016.5	1634.83	0°17'34"			250	0.50	0.28		S 89°53'26" E	S 89°35'52" E
	ARC	CC		1522430.9	6584825.01											
	ARC	CS	6145+17.49	1842439.51	6587071.6											

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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 4 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0053-C
SCALE NO SCALE
SHEET NO.

MF-TT-B0053-C.dgn
28-OCT-2015 15:32
p0051133a

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

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	CS	6145+17.49	1842439.51	6587071.60											
	CLOTHOID	SPI	6149+00.83	1842436.82	6587454.92		1150	0°06'11"	575	0.17					S 89°35'52" E	S 89°29'41" E
	CLOTHOID	ST	6156+67.49	1842430.06	6588221.56											
	TANGENT	ST	6156+67.49	1842430.06	6588221.56		4344.26							S 89°29'41" E		
	TANGENT	TS	6200+11.75	1842391.76	6592565.65											
	CLOTHOID	TS	6200+11.75	1842391.76	6592565.65											
	CLOTHOID	SPI	6207+78.42	1842385.00	6593332.28		1150	0°09'53"	575	0.28					S 89°29'41" E	S 89°39'34" E
	CLOTHOID	SC	6211+61.75	1842382.72	6593715.61											
	ARC	SC	6211+61.75	1842382.72	6593715.61											
21-13 SJD-FRE 4 NB	ARC	PI	6219+89.30	1842377.81	6594543.15	200000	1655.09	0°28'27"			250	1.00	0.25		S 89°39'34" E	S 89°51'59" E
	ARC	CC		2042379.19	6594904.02											
	ARC	CS	6228+16.84	1842379.74	6595370.69											
	CLOTHOID	CS	6228+16.84	1842379.74	6595370.69											
	CLOTHOID	SPI	6232+00.17	1842380.63	6595754.03		1150	0°09'53"	575	0.28					S 89°51'59" E	S 89°42'06" E
	CLOTHOID	ST	6239+66.84	1842384.62	6596520.68											
	TANGENT	ST	6239+66.84	1842384.62	6596520.68		43432.96							S 89°42'06" E		
	TANGENT	TS	6673+99.80	1842610.84	6639953.05											
	CLOTHOID	TS	6673+99.80	1842610.84	6639953.05											
	CLOTHOID	SPI	6681+66.46	1842614.83	6640719.71		1150	0°03'36"	575	0.1					S 89°42'06" E	S 89°45'41" E
	CLOTHOID	SC	6685+49.80	1842616.43	6641103.04											
	ARC	SC	6685+49.80	1842616.43	6641103.04											
21-13 SJD-FRE 5 NB	ARC	PI	6691+55.01	1842618.95	6641708.24	550016.5	1210.42	0°07'34"			250	0.25	0.20		S 89°45'41" E	S 89°53'15" E
	ARC	CC		1292604.69	6643392.73											
	ARC	CS	6697+60.21	1842620.14	6642313.45											
	CLOTHOID	CS	6697+60.21	1842620.14	6642313.45											
	CLOTHOID	SPI	6701+43.55	1842620.89	6642696.78		1150	0°03'36"	575	0.1					S 89°53'15" E	S 89°56'51" E
	CLOTHOID	ST	6709+10.21	1842621.59	6643463.45											
	TANGENT	ST	6709+10.21	1842621.59	6643463.45		1150							S 89°56'51" E		
	TANGENT	TS	6720+60.21	1842622.65	6644613.45											
	CLOTHOID	TS	6720+60.21	1842622.65	6644613.45											
	CLOTHOID	SPI	6728+26.88	1842623.35	6645380.11		1150	0°03'36"	575	0.1					S 89°56'51" E	S 89°53'15" E
	CLOTHOID	SC	6732+10.21	1842624.10	6645763.45											
	ARC	SC	6732+10.21	1842624.10	6645763.45											
21-13 SJD-FRE 6 NB	ARC	PI	6738+15.35	1842625.29	6646368.58	549983.5	1210.27	0°07'34"			250	0.25	0.20		S 89°53'15" E	S 89°45'41" E
	ARC	CC		2392606.54	6644684.19											

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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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 5 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0054-C
SCALE NO SCALE
SHEET NO.

28-OCT-2015 15:32 WF-TT-B0054-C.dgn p0051330

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

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
21-13 SJD-FRE 6 NB	ARC	CS	6744+20.49	1842627.81	6646973.71											
	CLOTHOID	CS	6744+20.49	1842627.81	6646973.71											
	CLOTHOID	SPI	6748+03.82	1842629.40	6647357.04		1150	0°03'36"	575	0.1					S 89°45'41" E	S 89°42'06" E
	CLOTHOID	ST	6755+70.49	1842633.40	6648123.70											
	TANGENT	ST	6755+70.49	1842633.40	6648123.70		10136.64							S 89°42'06" E		
	TANGENT	TS	6857+07.17	1842686.19	6658260.24											
21-13 SJD-FRE 7 NB	CLOTHOID	TS	6857+07.17	1842686.19	6658260.24											
	CLOTHOID	SPI	6868+73.87	1842692.27	6659426.93		1750	1°25'54"	874.98	3.64					S 89°42'06" E	S 88°52'00" E
	CLOTHOID	SC	6874+57.17	1842680.73	6660010.18											
	ARC	SC	6874+57.17	1842680.73	6660010.18											
	ARC	PI	7012+20.07	1842408.52	6673770.40	35016.5	26226.84	42°54'49"			250	4.75	2.39		S 88°52'00" E	S 45°57'11" E
	ARC	CC		1807671.08	6659317.61											
	ARC	CS	7136+84.00	1832839.89	6683662.76											
	CLOTHOID	CS	7136+84.00	1832839.89	6683662.76											
	CLOTHOID	SPI	7141+54.66	1832512.66	6684001.05		1115.04	1°14'36"	355.23	3.64					S 45°57'11" E	S 44°42'35" E
	CLOTHOID	POE	7147+99.04	1832054.68	6684454.42											

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p0051330

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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 6 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0055-C
SCALE NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK MERCED TO FRESNO

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	POB	14862+09.67	1842522.53	6632886.24		4678.66							S 89°42'06" W		
	TANGENT	TS	14908+88.34	1842498.16	6628207.64											
21-13 MER-FRE 1 SB	CLOTHOID	TS	14908+88.34	1842498.16	6628207.64											
	CLOTHOID	SPI	14918+88.61	1842492.95	6627207.38		1500	4°08'31"	749.87	9.03					S 89°42'06" W	N 86°09'24" W
	CLOTHOID	SC	14923+88.34	1842526.49	6626708.26											
	ARC	SC	14923+88.34	1842526.49	6626708.26											
	ARC	PI	15013+74.28	1843128.82	6617742.52	10375	14810.85	81°47'34"			150	6.00	2.67		N 86°09'24" W	N 4°21'50" W
	ARC	CC		1852878.15	6627403.70											
	ARC	CS	15071+99.18	1852088.71	6617058.78											
	CLOTHOID	CS	15071+99.18	1852088.71	6617058.78											
	CLOTHOID	SPI	15076+99.43	1852587.51	6617020.71		1500	4°08'31"	749.87	9.03					N 4°21'50" W	N 0°13'19" W
	CLOTHOID	ST	15086+99.18	1853587.78	6617016.83											
	TANGENT	ST	15086+99.18	1853587.78	6617016.83		16620.06							N 0°13'19" W		
	TANGENT	TS	15253+19.25	1870207.72	6616952.43											
21-13 MER-FRE 2 SB	CLOTHOID	TS	15253+19.25	1870207.72	6616952.43											
	CLOTHOID	SPI	15268+19.36	1871707.82	6616946.62		2250	2°08'55"	1124.95	7.03					N 0°13'19" W	N 2°22'14" W
	CLOTHOID	SC	15275+69.25	1872457.28	6616915.59											
	ARC	SC	15275+69.25	1872457.28	6616915.59											
	ARC	PI	15385+02.72	1883381.39	6616463.35	30000	20969.31	40°02'54"			250	5.75	2.58		N 2°22'14" W	N 42°25'09" W
	ARC	CC		1871216.38	6586941.27											
	ARC	CS	15485+38.56	1891452.82	6609088.20											
	CLOTHOID	CS	15485+38.56	1891452.82	6609088.20											
	CLOTHOID	SPI	15492+88.66	1892006.56	6608582.23		2250	2°08'55"	1124.95	7.03					N 42°25'09" W	N 44°34'03" W
	CLOTHOID	ST	15507+88.56	1893075.28	6607529.52											
	TANGENT	ST	15507+88.56	1893075.28	6607529.52		14711.44							N 44°34'03" W		
	TANGENT	POE	15655+00.00	1903556.04	6597205.76											

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK MERCED TO FRESNO

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	POB	24859+53.49	1842600.62	6633190.21		5041.47							S 89°42'06" W		
	TANGENT	TS	24909+94.96	1842574.36	6628148.81											
21-13 MER-FRE 1 NB	CLOTHOID	TS	24909+94.96	1842574.36	6628148.81											
	CLOTHOID	SPI	24919+95.24	1842569.15	6627148.54		1500	4°10'19"	749.87	9.10					S 89°42'06" W	N 86°07'35" W
	CLOTHOID	SC	24924+94.96	1842602.94	6626649.43											
	ARC	SC	24924+94.96	1842602.94	6626649.43											
	ARC	PI	25014+06.46	1843204.96	6617758.29	10300	14692.94	81°43'56"			150	6.00	2.74		N 86°07'35" W	N 4°23'39" W
	ARC	CC		1852879.41	6627345.26											
	ARC	CS	25071+87.90	1852090.27	6617075.53											
	CLOTHOID	CS	25071+87.90	1852090.27	6617075.53											
	CLOTHOID	SPI	25076+88.15	1852589.06	6617037.2		1500	4°10'19"	749.87	9.10					N 4°23'39" W	N 0°13'19" W
	CLOTHOID	ST	25086+87.90	1853589.33	6617033.33											
	TANGENT	ST	25086+87.90	1853589.33	6617033.33		16618.58							N 0°13'19" W		
	TANGENT	TS	25253+06.48	1870207.78	6616968.93											
21-13 MER-FRE 2 NB	CLOTHOID	TS	25253+06.48	1870207.78	6616968.93											
	CLOTHOID	SPI	25268+06.59	1871707.88	6616963.12		2250	2°08'51"	1124.95	7.03					N 0°13'19" W	N 2°22'10" W
	CLOTHOID	SC	25275+56.48	1872457.34	6616932.11											
	ARC	SC	25275+56.48	1872457.34	6616932.11											
	ARC	PI	25384+96.66	1883388.17	6616479.81	30016.5	20982.08	40°03'03"			250	5.75	2.58		N 2°22'10" W	N 42°25'13" W
	ARC	CC		1871216.38	6586941.27											
	ARC	CS	25485+38.56	1891464.4	6609099.97											
	CLOTHOID	CS	25485+38.56	1891464.4	6609099.97											
	CLOTHOID	SPI	25492+88.66	1892018.14	6608593.98		2250	2°08'51"	1124.95	7.03					N 42°25'13" W	N 44°34'03" W
	CLOTHOID	ST	25507+88.56	1893086.85	6607541.28											
	TANGENT	ST	25507+88.56	1893086.85	6607541.28		14711.45							N 44°34'03" W		
	TANGENT	POE	25655+00.00	1903567.62	6597217.51											

28-OCT-2015 15:34 WF-TT-B0057-C.dgn p0051330

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 8 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0057-C
SCALE NO SCALE
SHEET NO.

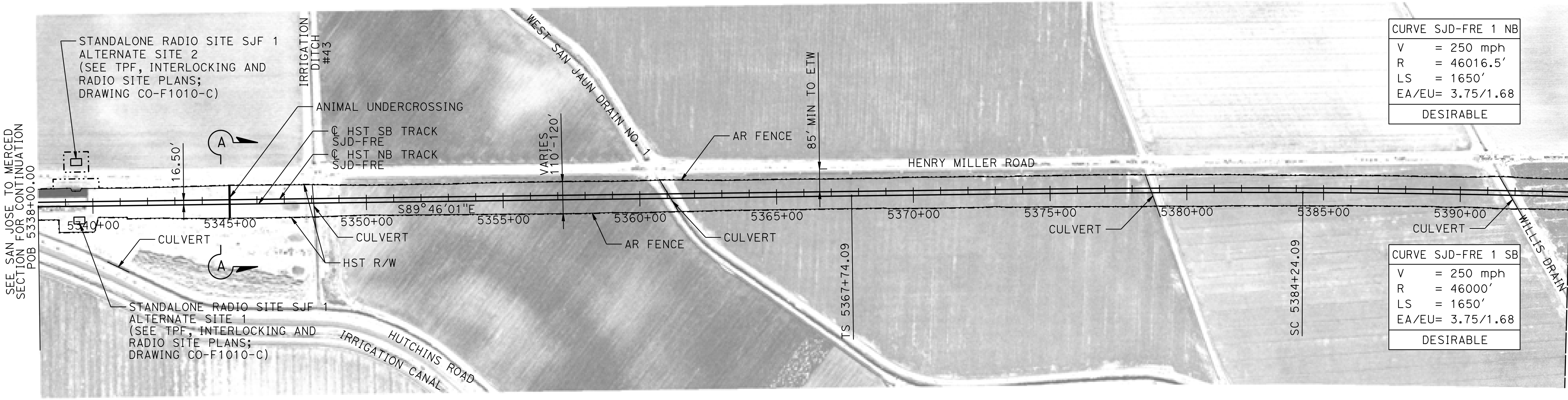
TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO MERCED

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	POB	36288+62.83	1842435.12	6601416.31		4563.41							N 89°42'06" E		
	TANGENT	TS	36334+26.24	1842458.89	6605979.66											
21-13 SJD-MER 1 SB	CLOTHOID	TS	36334+26.24	1842458.89	6605979.66											
	CLOTHOID	SPI	36344+26.52	1842464.1	6606979.92		1500	4°10'19"	749.87	9.1					N 89°42'06" E	N 85°31'46" E
	CLOTHOID	SC	36349+26.24	1842503.09	6607478.65											
	ARC	SC	36349+26.24	1842503.09	6607478.65											
	ARC	PI	36438+13.75	1843195.83	6616339.13	10300	14665.47	81°34'46"			150	6.00	2.74		N 85°31'46" E	N 3°57'00" E
	ARC	CC		1852771.76	6606675.82											
	ARC	CS	36495+91.70	1852062.23	6616951.35											
	CLOTHOID	CS	36495+91.70	1852062.23	6616951.35											
	CLOTHOID	SPI	36500+91.96	1852561.3	6616985.81		1500	4°10'19"	749.87	9.1					N 3°57'00" E	N 0°13'19" W
	CLOTHOID	ST	36510+91.70	1853561.57	6616981.94											
	TANGENT	ST	36510+91.70	1853561.57	6616981.94		3459.68							N 0°13'19" W		
	TANGENT	POE	36545+51.39	1857021.22	6616968.53											

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO MERCED

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	POB	46291+67.21	1842360.21	6601721.09		4269.09							N 89°42'06" E		
	TANGENT	TS	46334+36.30	1842382.45	6605990.12											
21-13 SJD-MER 1 NB	CLOTHOID	TS	46334+36.30	1842382.45	6605990.12											
	CLOTHOID	SPI	46344+36.58	1842387.65	6606990.38		1500	4°08'29"	749.87	9.03					N 89°42'06" E	N 85°33'37" E
	CLOTHOID	SC	46349+36.30	1842426.38	6607489.13											
	ARC	SC	46349+36.30	1842426.38	6607489.13											
	ARC	PI	46438+99.55	1843120.22	6616425.48	10376.5	14785.53	81°38'28"			150	6.00	2.67		N 85°33'37" E	N 3°55'09" E
	ARC	CC		1852771.74	6606685.89											
	ARC	CS	46497+21.83	1852062.5	6617038.12											
	CLOTHOID	CS	46497+21.83	1852062.5	6617038.12											
	CLOTHOID	SPI	46502+22.08	1852561.58	6617072.31		1500	4°08'29"	749.87	9.03					N 3°55'09" E	N 0°13'19" W
	CLOTHOID	ST	46512+21.83	1853561.85	6617068.44											
	TANGENT	ST	46512+21.83	1853561.85	6617068.44		3459.74							N 0°13'19" W		
	TANGENT	POE	46546+81.57	1857021.56	6617055.03											

MERCED COUNTY



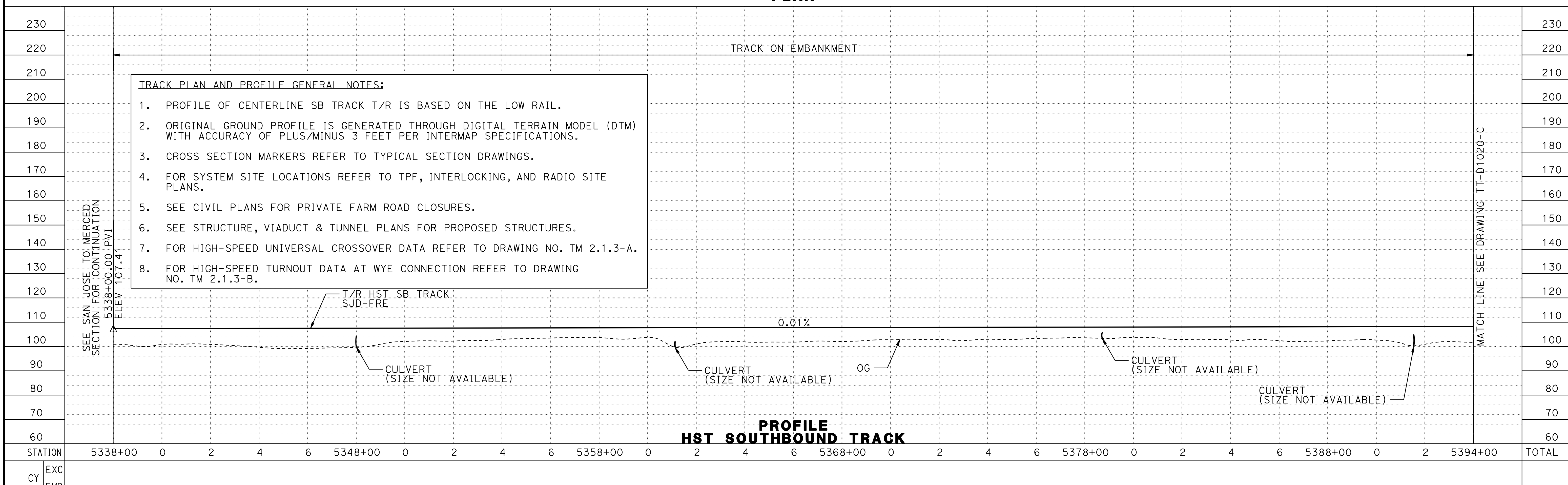
20 0 20 40
VERT: 1"=20'

200 0 200 400
HORIZ: 1"=200'

PLAN

TRACK PLAN AND PROFILE GENERAL NOTES:

1. PROFILE OF CENTERLINE SB TRACK T/R IS BASED ON THE LOW RAIL.
2. ORIGINAL GROUND PROFILE IS GENERATED THROUGH DIGITAL TERRAIN MODEL (DTM) WITH ACCURACY OF PLUS/MINUS 3 FEET PER INTERMAP SPECIFICATIONS.
3. CROSS SECTION MARKERS REFER TO TYPICAL SECTION DRAWINGS.
4. FOR SYSTEM SITE LOCATIONS REFER TO TPF, INTERLOCKING, AND RADIO SITE PLANS.
5. SEE CIVIL PLANS FOR PRIVATE FARM ROAD CLOSURES.
6. SEE STRUCTURE, VIADUCT & TUNNEL PLANS FOR PROPOSED STRUCTURES.
7. FOR HIGH-SPEED UNIVERSAL CROSSOVER DATA REFER TO DRAWING NO. TM 2.1.3-A.
8. FOR HIGH-SPEED TURNOUT DATA AT WYE CONNECTION REFER TO DRAWING NO. TM 2.1.3-B.



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

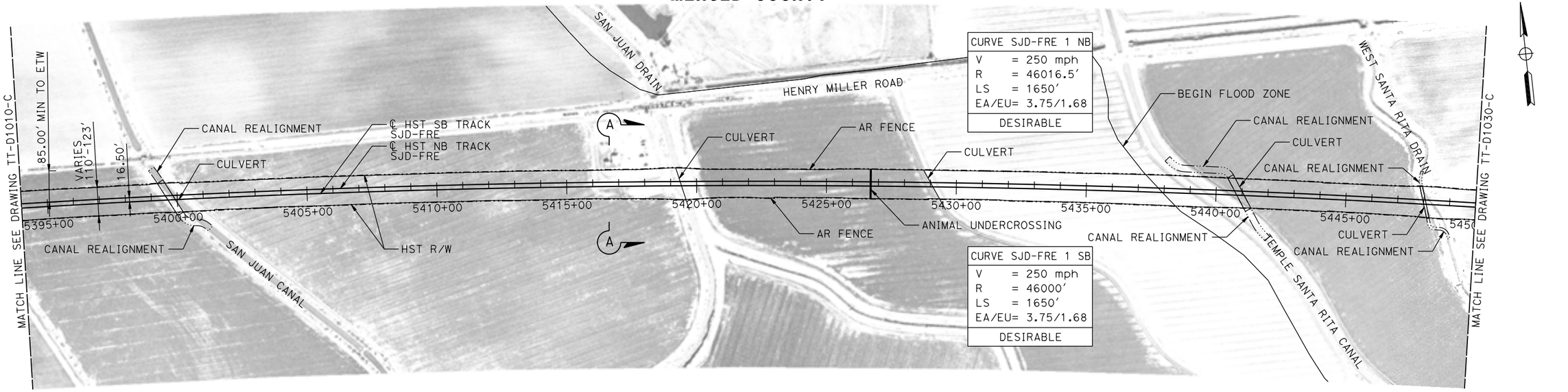
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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 5338+00 TO 5394+00

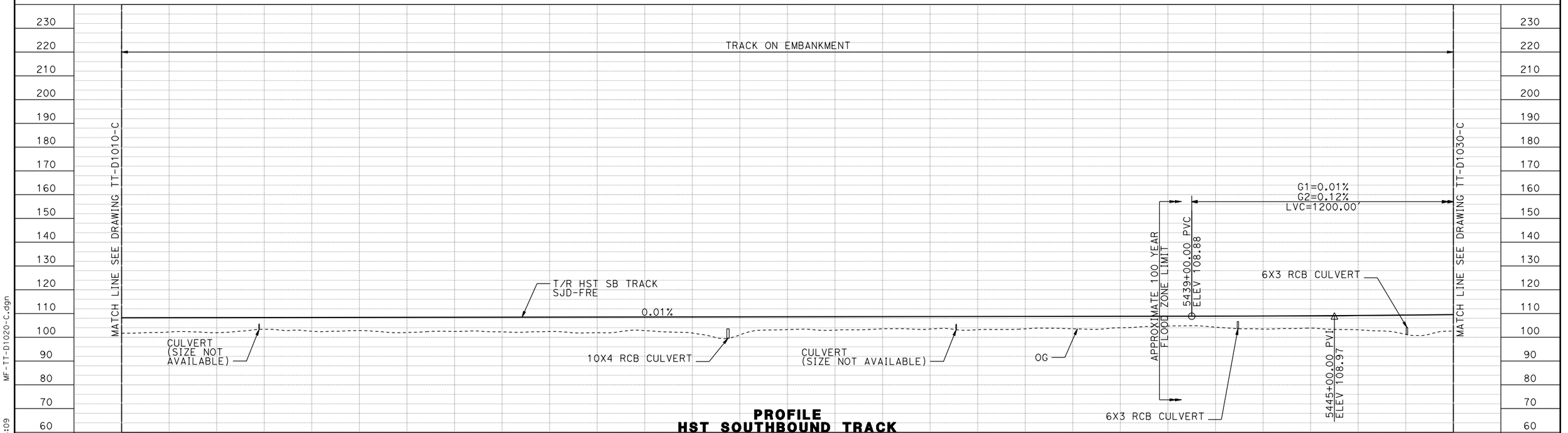
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1010-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1010-C.dgn
14-MAR-2016 11:02
p0042226

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1020-C.dgn
11-MAR-2016 8:09
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

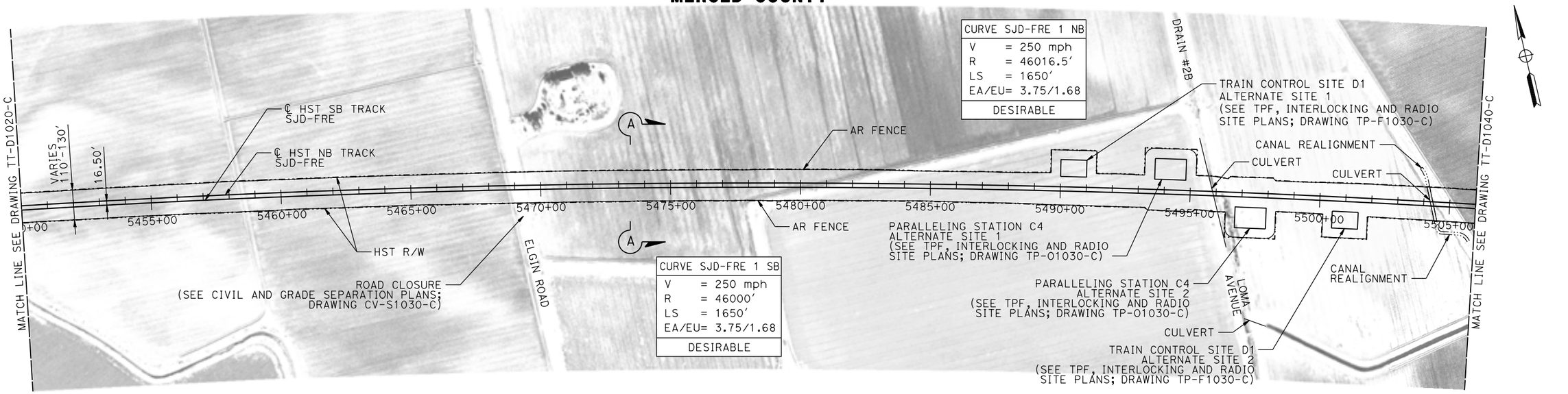
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

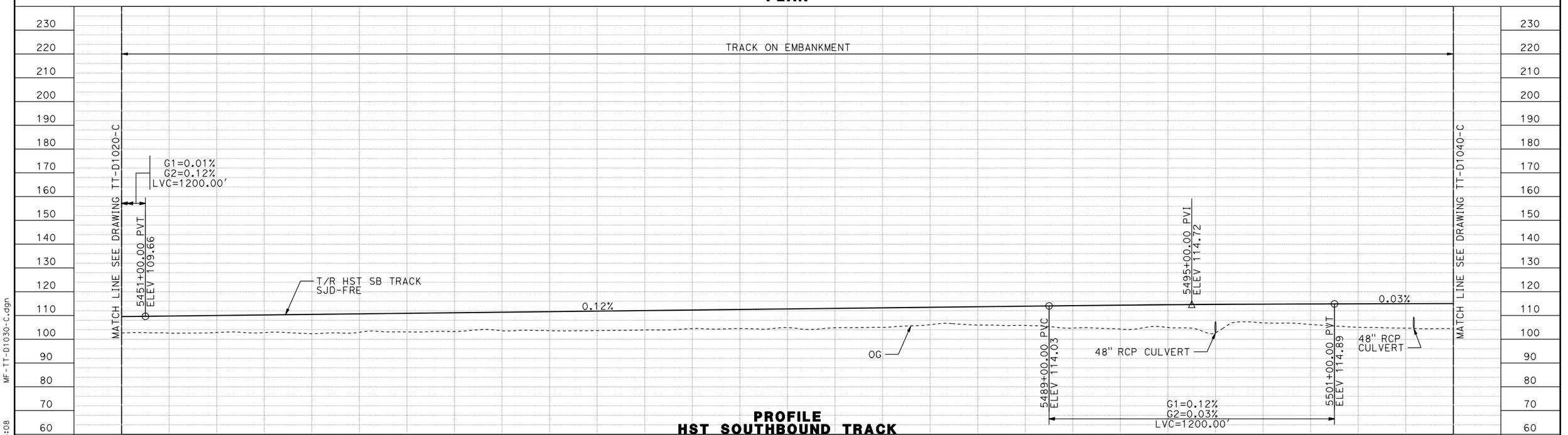
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5394+00 TO 5450+00

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

MERCED 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

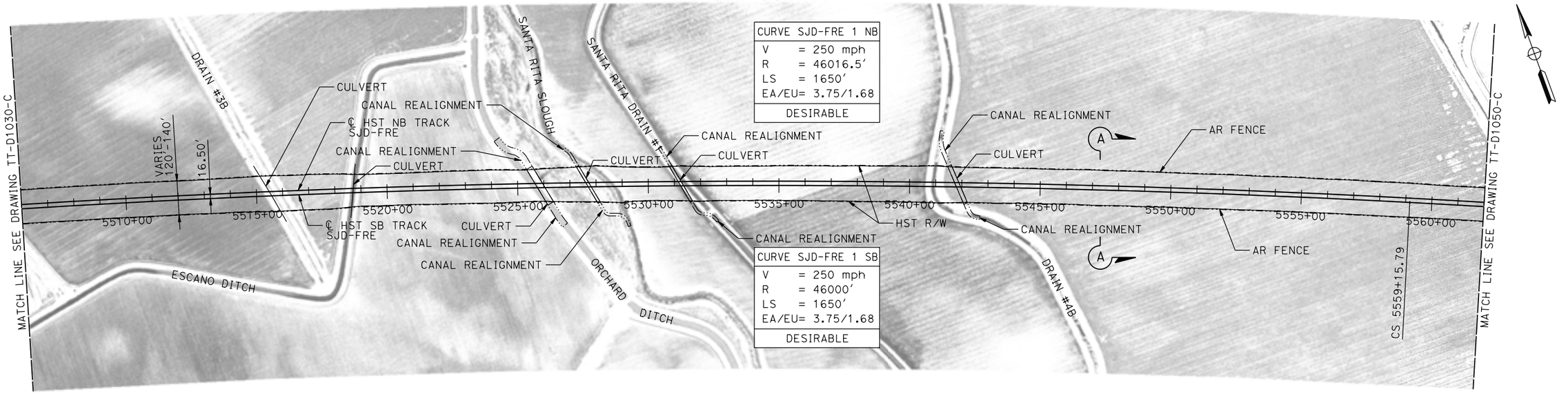
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5450+00 TO 5506+00

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

MF-TT-D1030-C.dgn
07-MAR-2016 08:08
p0042226

MERCED COUNTY



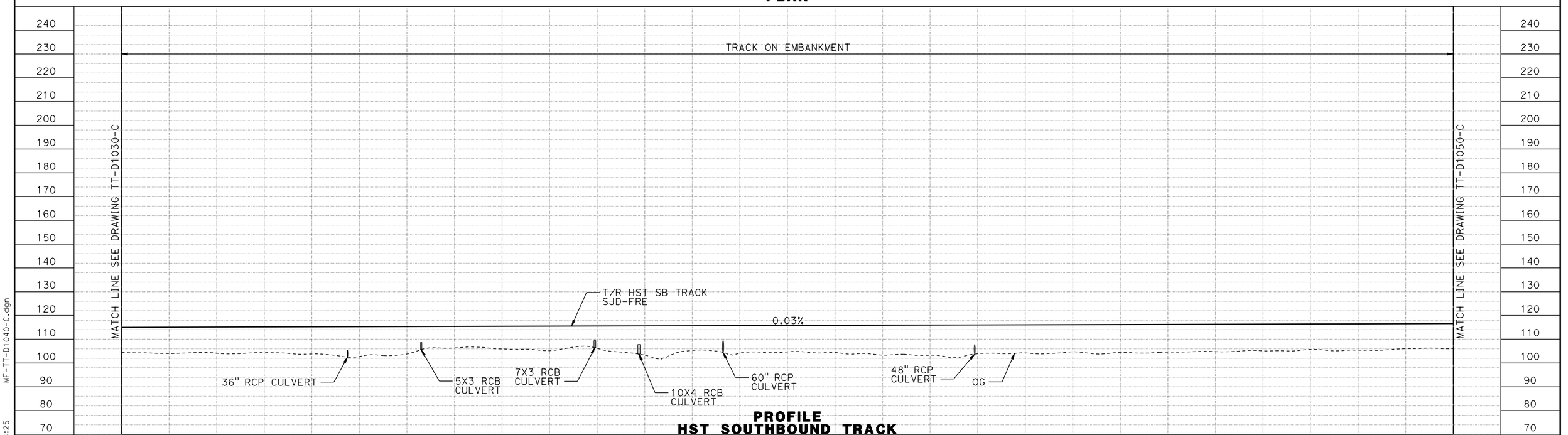
CURVE SJD-FRE 1 NB	
V	= 250 mph
R	= 46016.5′
LS	= 1650′
EA/EU	= 3.75/1.68
DESIRABLE	

CURVE SJD-FRE 1 SB	
V	= 250 mph
R	= 46000′
LS	= 1650′
EA/EU	= 3.75/1.68
DESIRABLE	

20 0 20 40 VERT: 1"=20′

200 0 200 400 HORIZ: 1"=200′

PLAN



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 M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

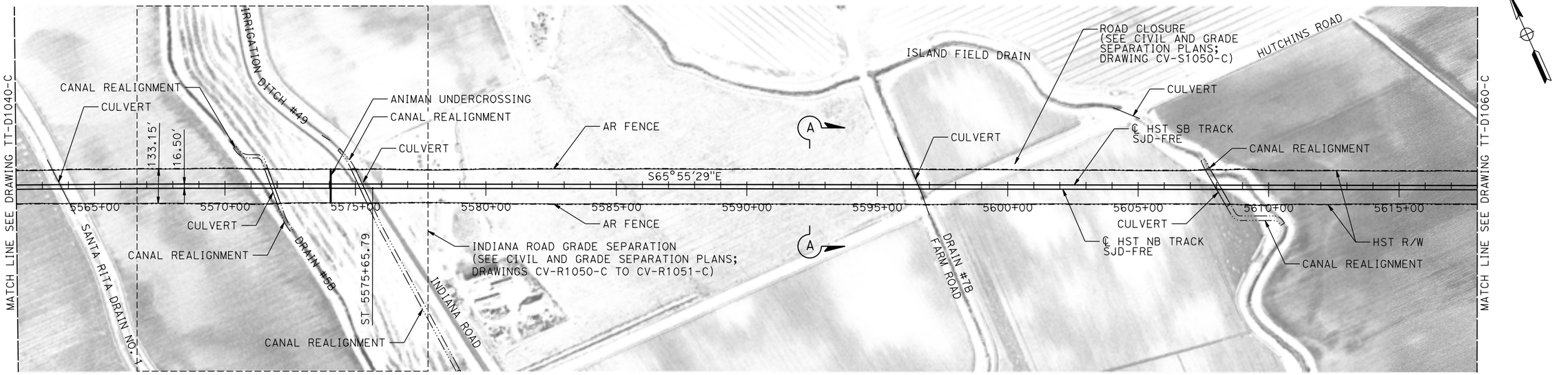
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5506+00 TO 5562+00

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

MF-TT-D1040-C.dgn
09-MAR-2016 08:25
p0042226

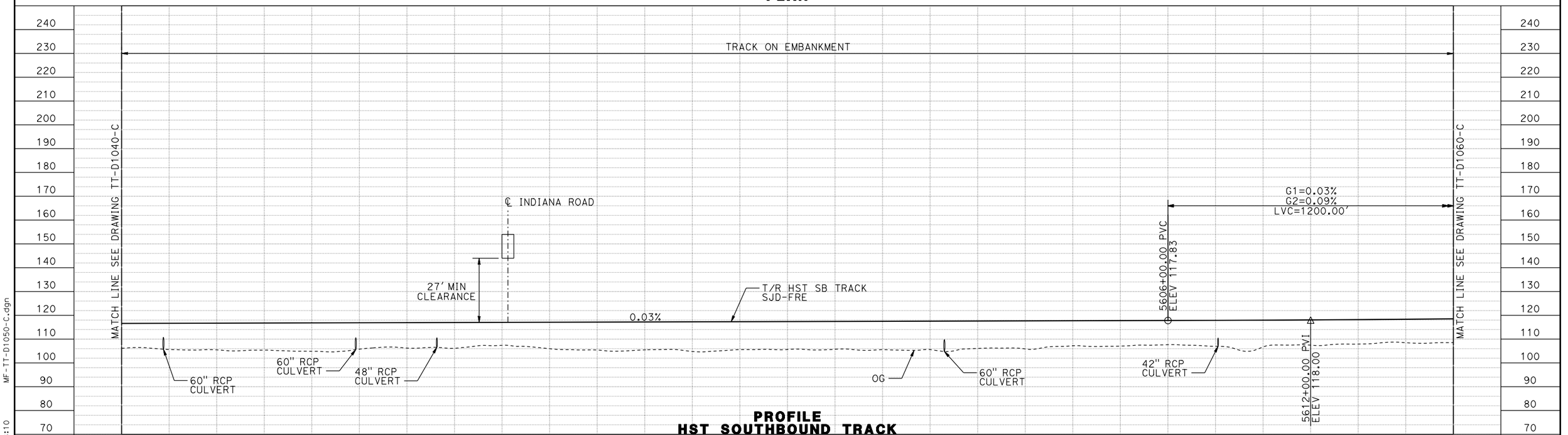
MERCED COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	5562+00	4	6	8	0	5572+00	4	6	8	0	5582+00	4	6	8	0	5592+00	4	6	8	0	5602+00	4	6	8	0	5612+00	4	6	5618+00	TOTAL
CY EXC																																						
CY EMB																																						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

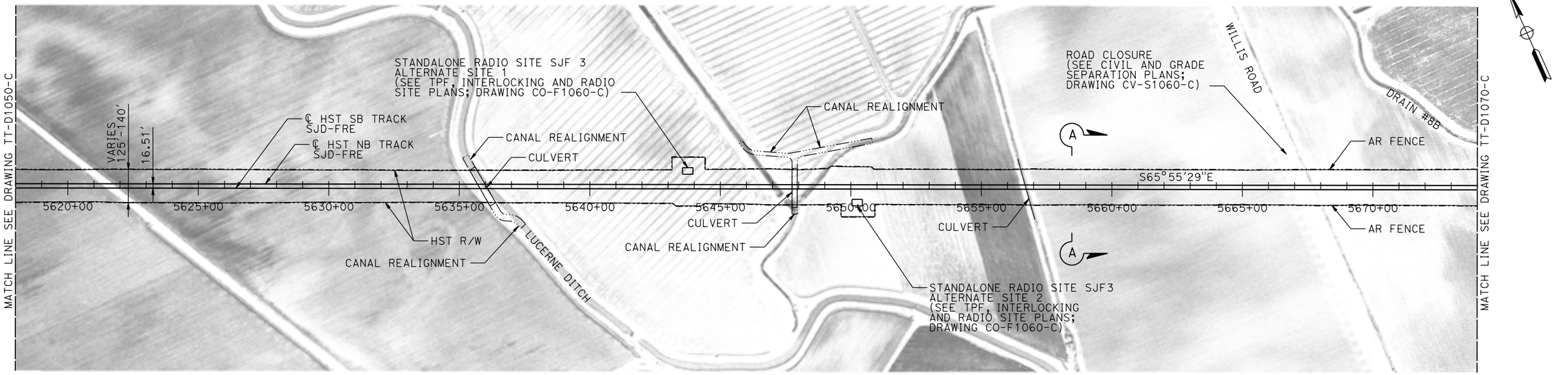
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1050-C.dgn
11-MAR-2016 8:10
p0042226

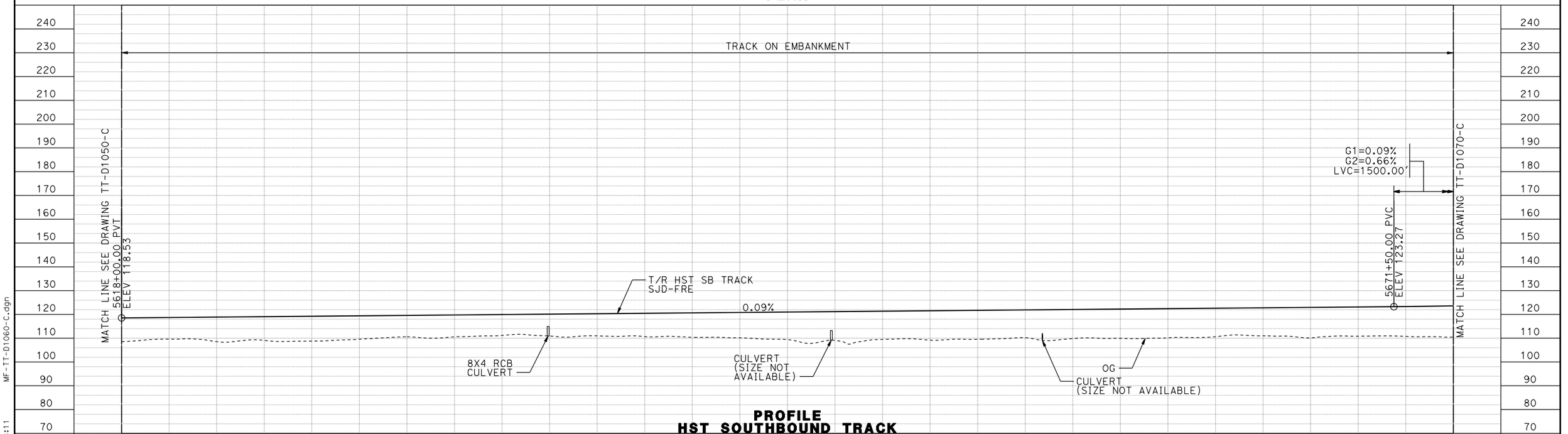
MERCED COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	5618+00	0	2	4	6	5628+00	0	2	4	6	5638+00	0	2	4	6	5648+00	0	2	4	6	5658+00	0	2	4	6	5668+00	0	2	5674+00	TOTAL
CY EXC																													
CY EMB																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

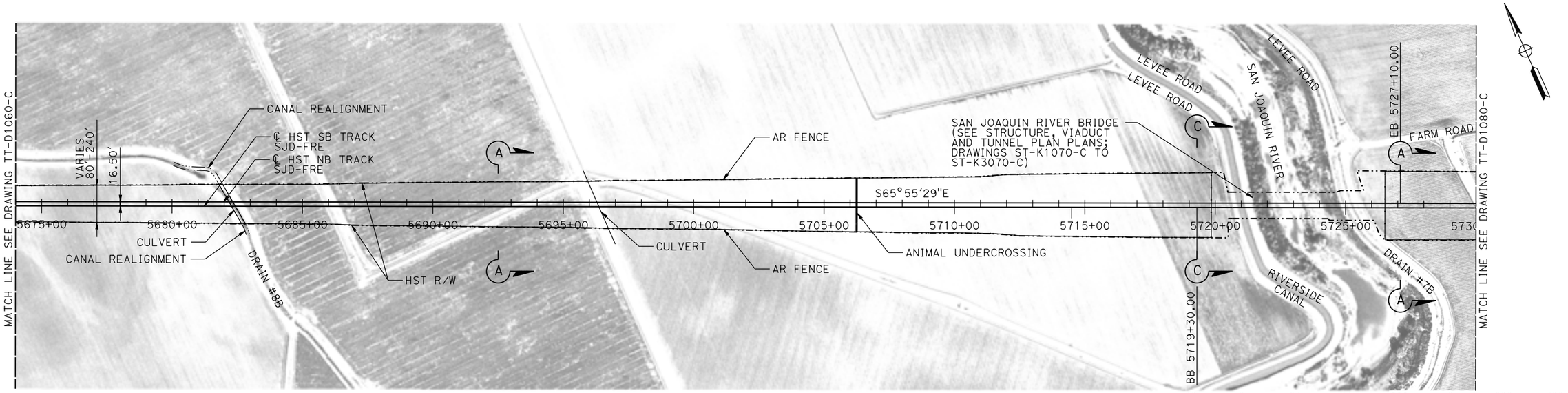
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

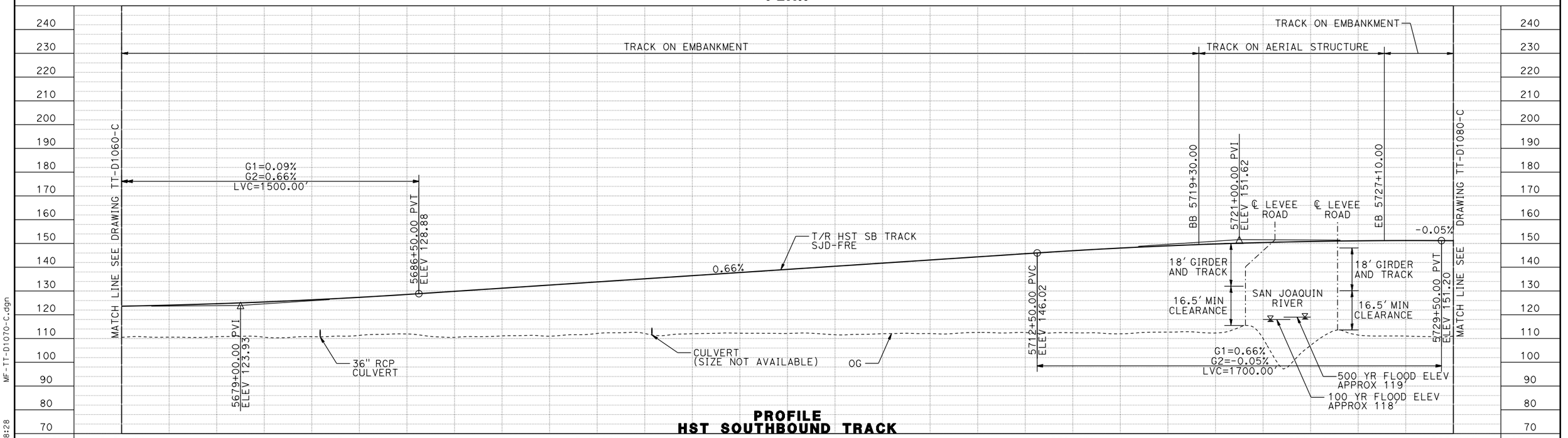
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DRAWING NO. TT-D1060-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1060-C.dgn
07-MAR-2016 08:11
p0042226

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

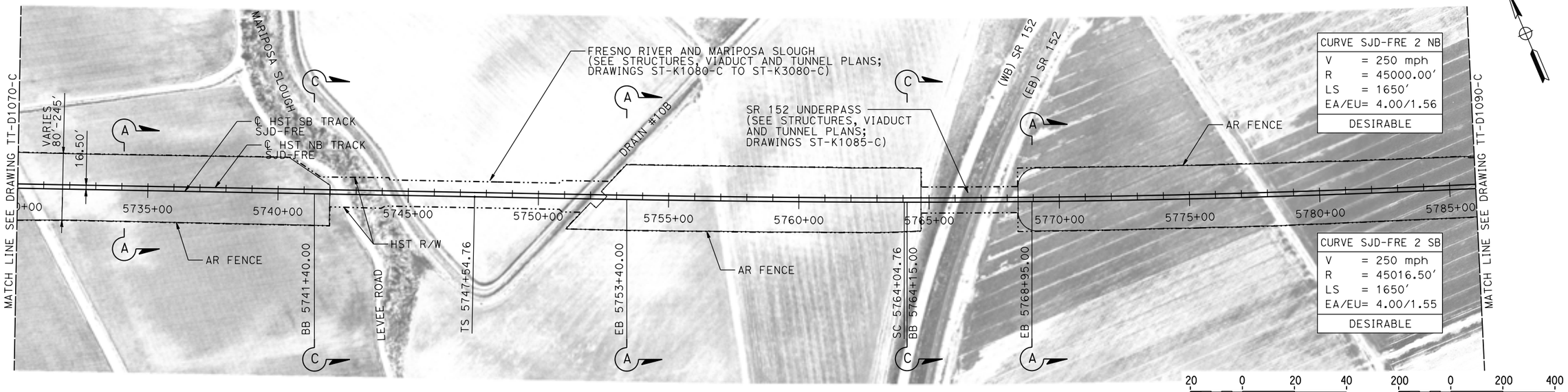
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

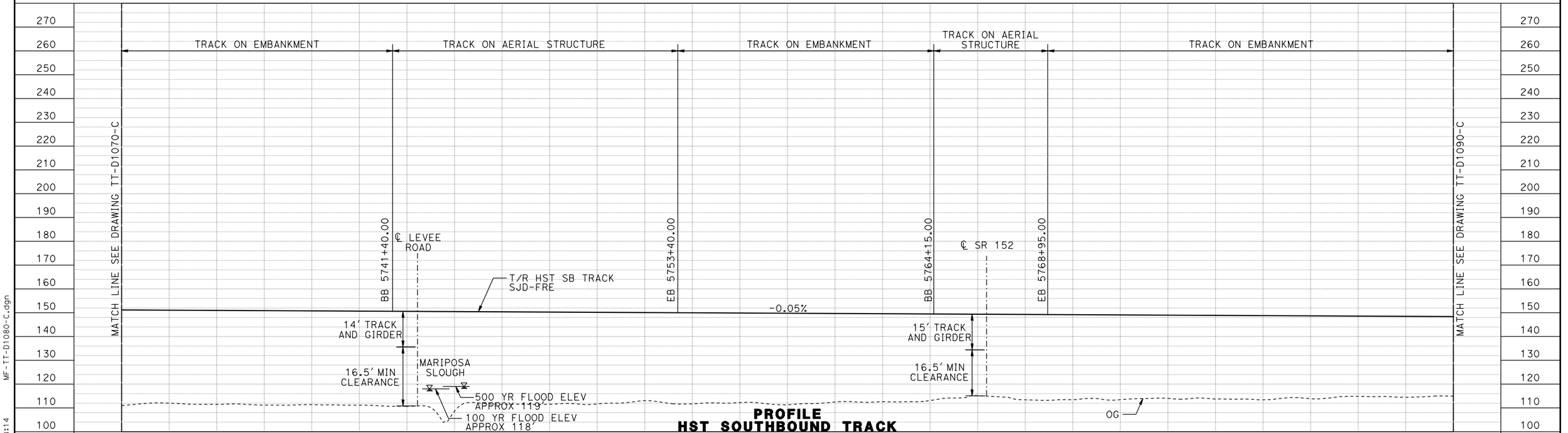
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DRAWING NO. TT-D1070-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1070-C.dgn
09-MAR-2016 08:28
p0042226

MERCED 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

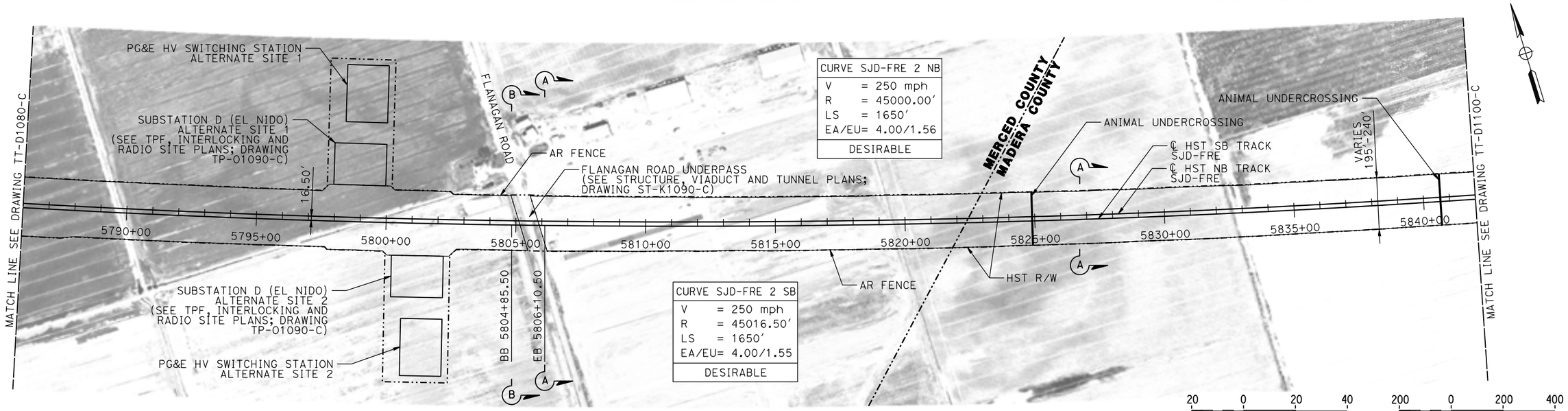
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

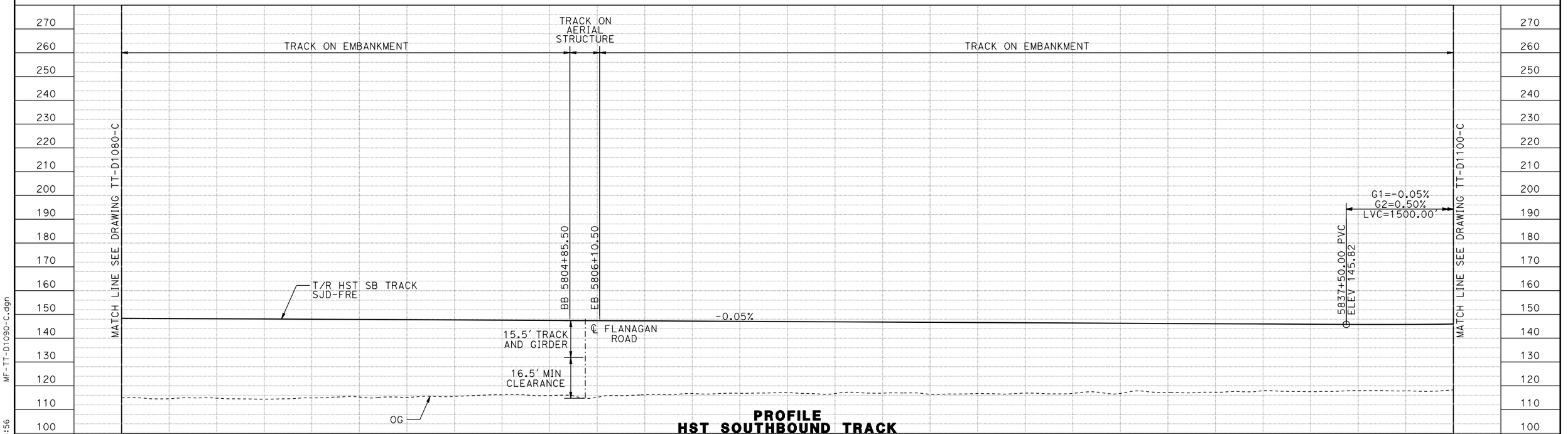
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5730+00 TO 5786+00

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

MF-TT-D1080-C.dgn
07-MAR-2016 08:14
p0042226



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

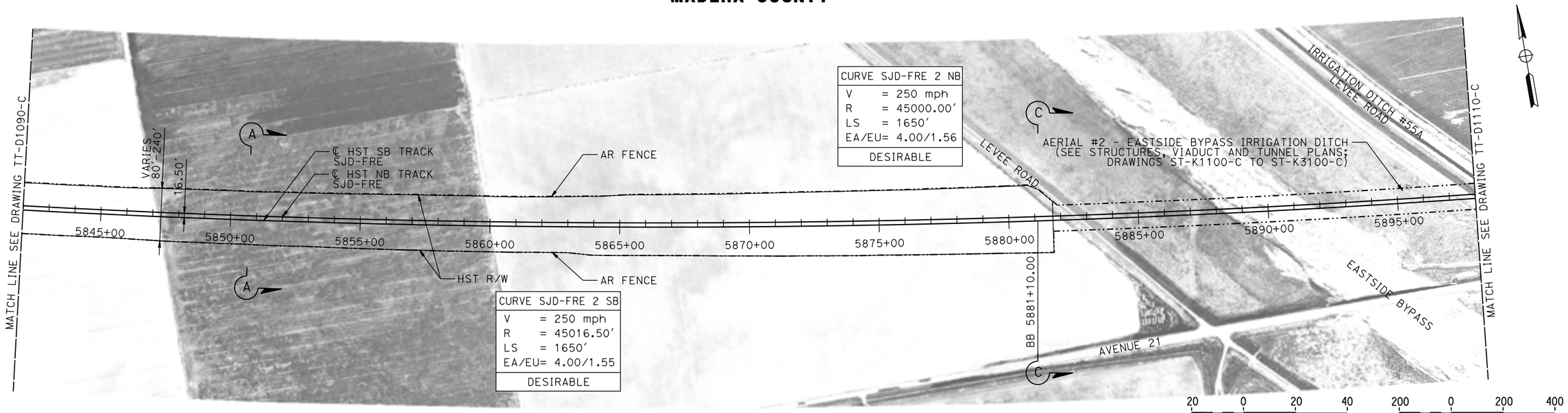
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

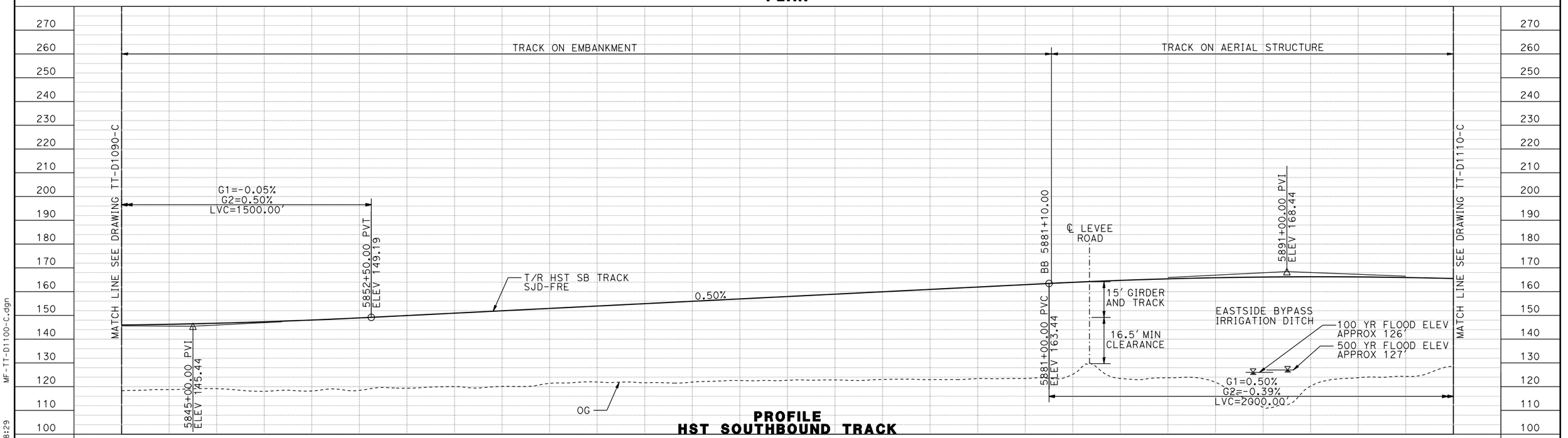
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1090-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1090-C.dgn
12-MAR-2016 06:56
p0042226

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

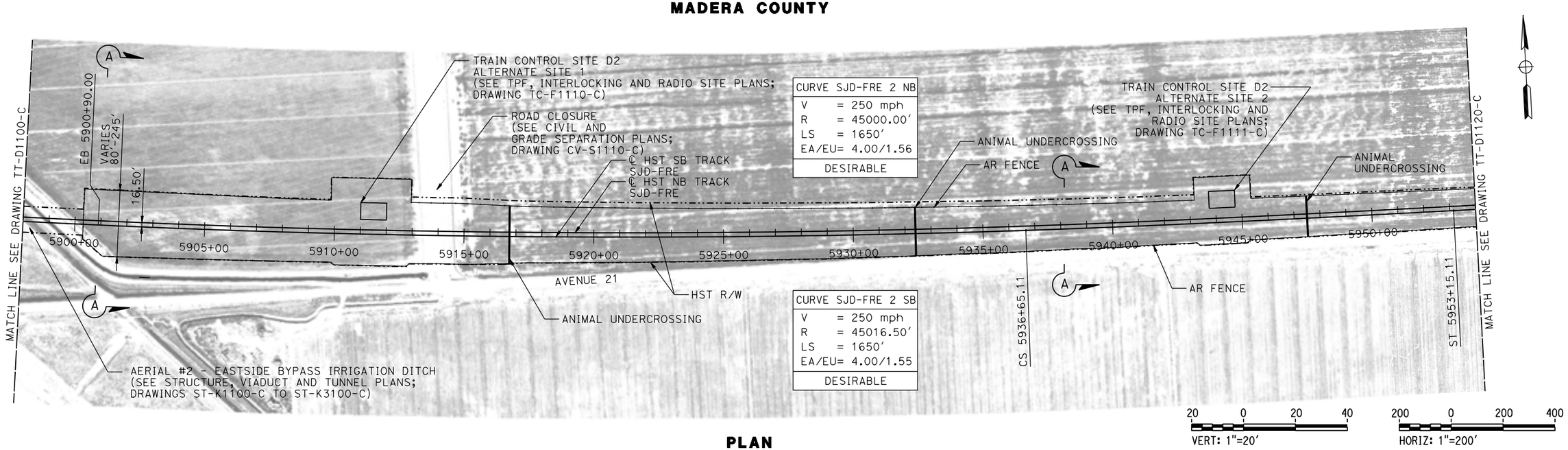
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

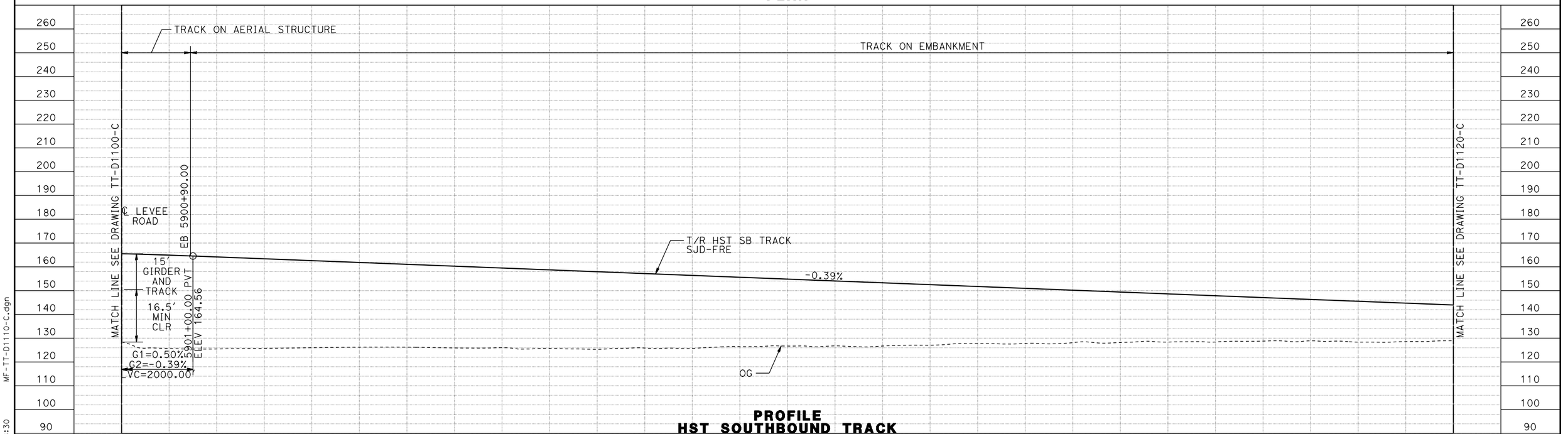
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1100-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1100-C.dgn
09-MAR-2016 08:29
p0042226

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

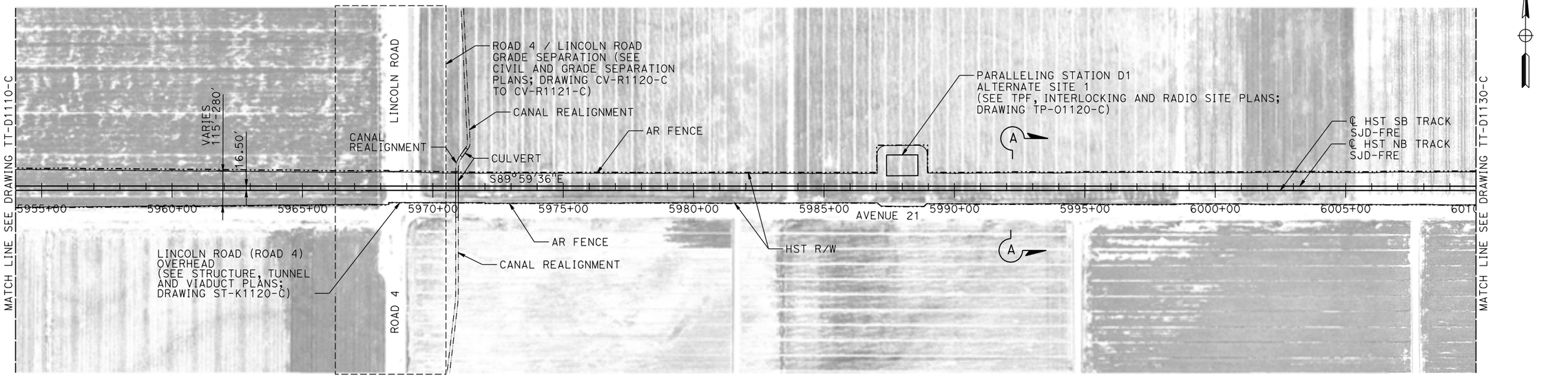
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5898+00 TO 5954+00

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

MF-TT-D1110-C.dgn
09-MAR-2016
08:30
p0042226

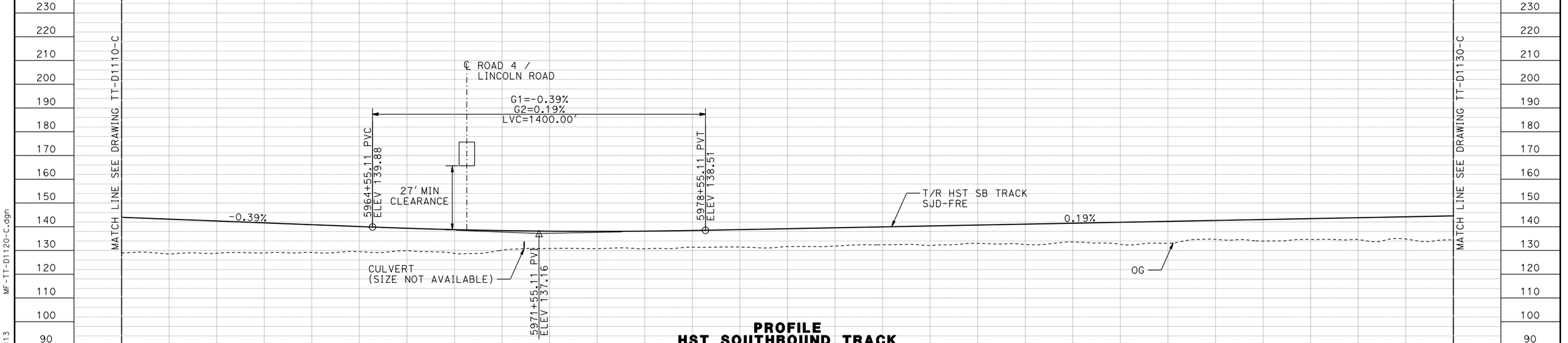
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



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

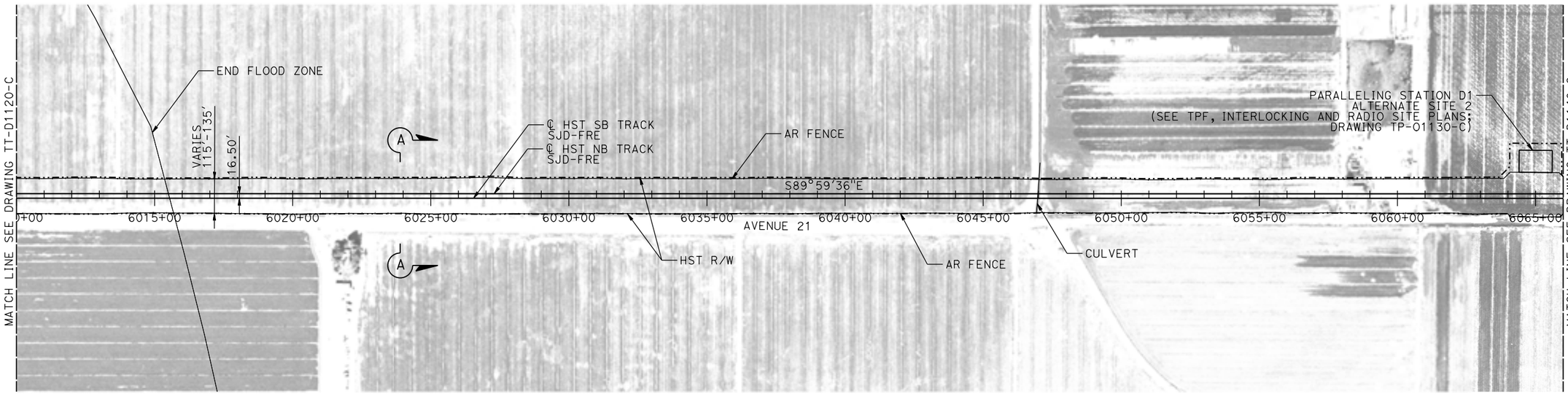
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1120-C.dgn
11-MAR-2016 8:13
p0042226

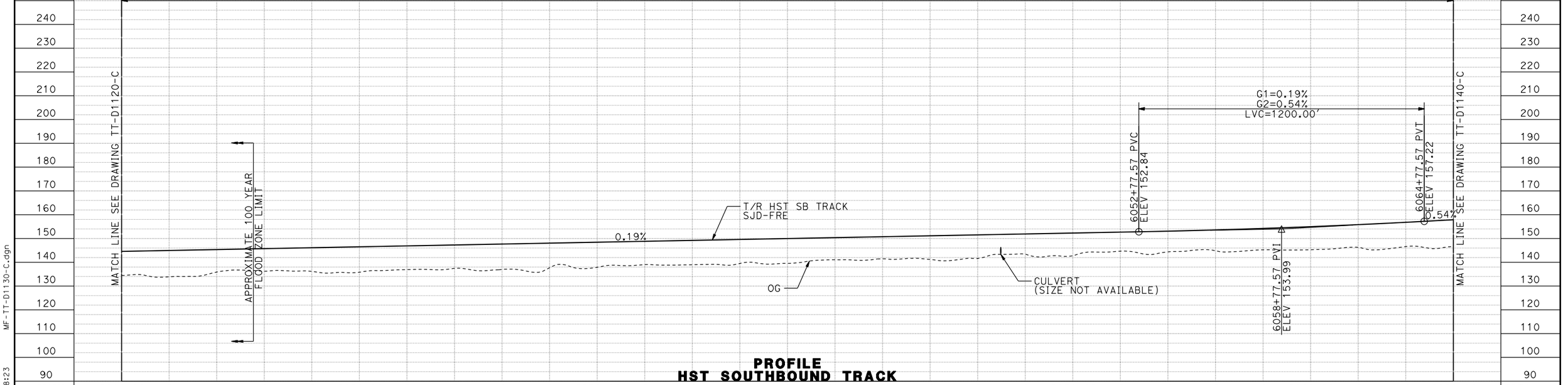
MADERA COUNTY



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 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

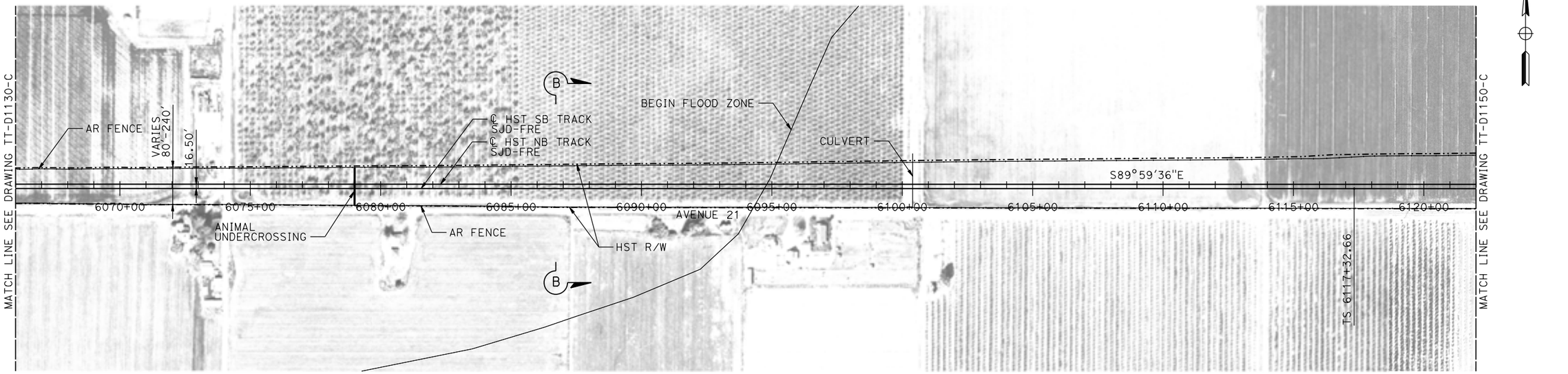
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1130-C.dgn
11-MAR-2016 8:23
p0042226

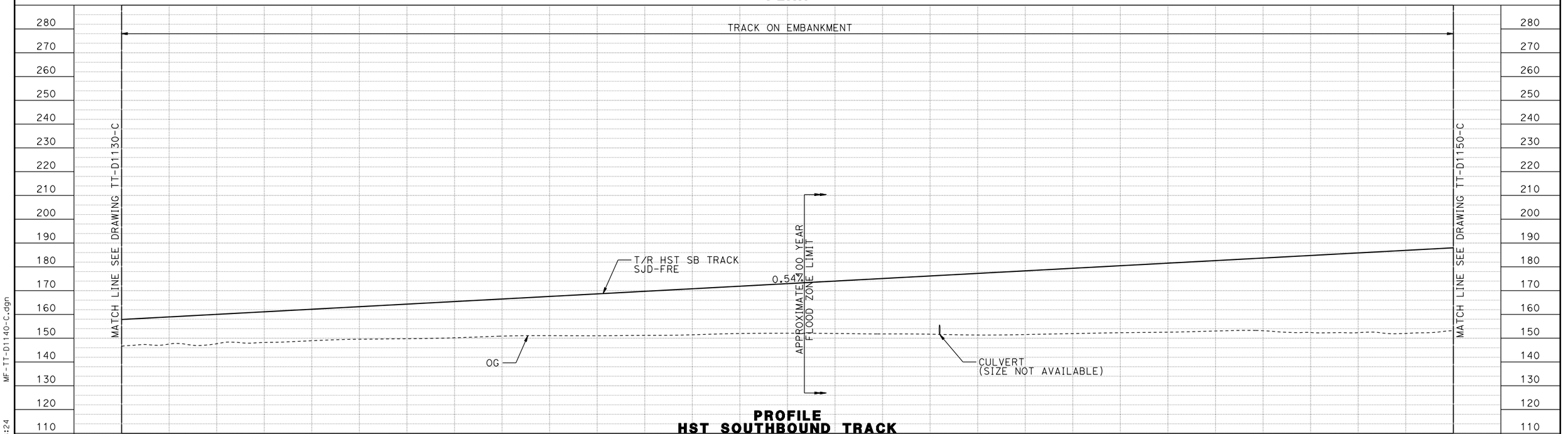
MADERA COUNTY



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 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

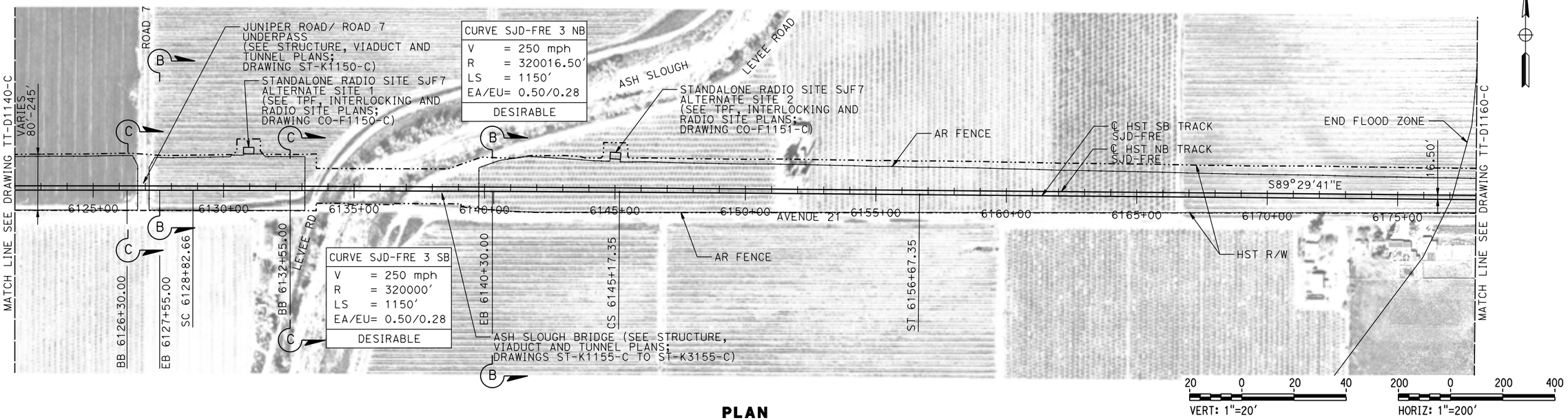
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

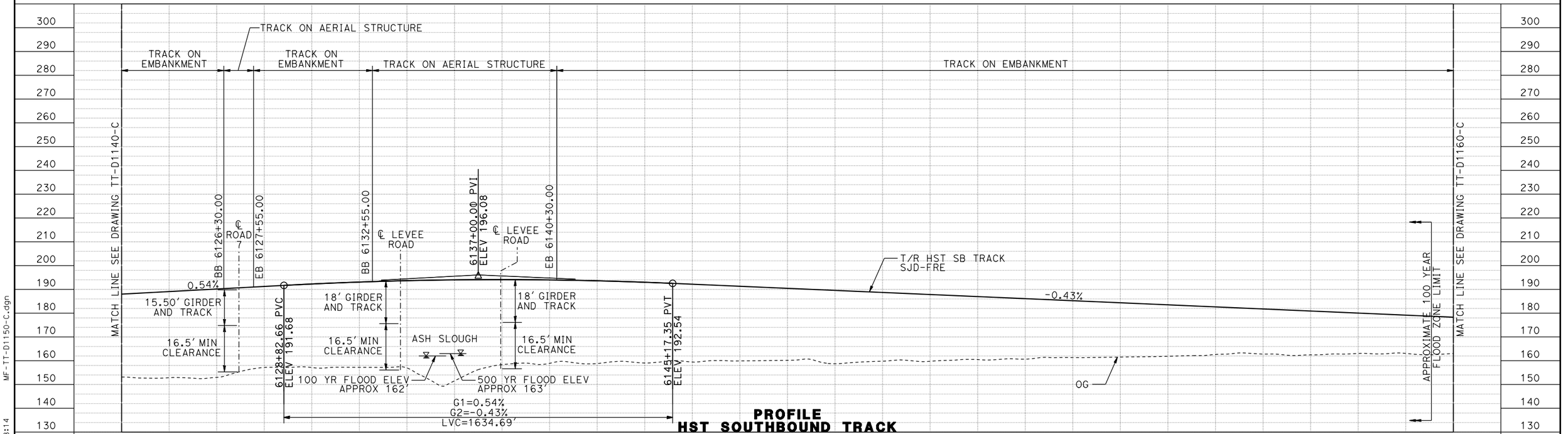
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1140-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1140-C.dgn
11-MAR-2016 8:24
p0042226

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

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

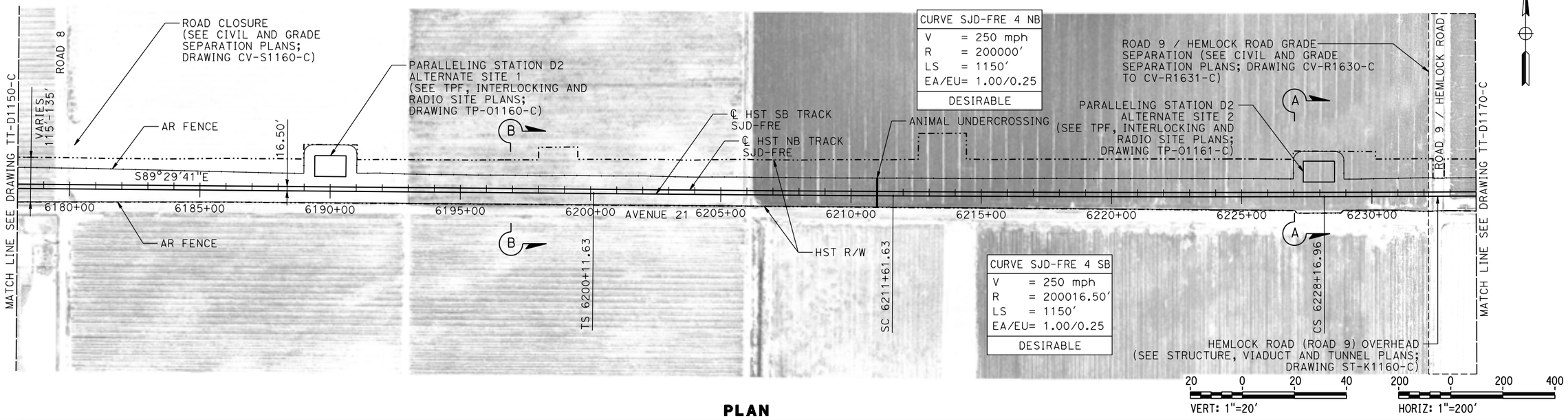
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1150-C.dgn
11-MAR-2016 8:14
p0042226

MADERA COUNTY



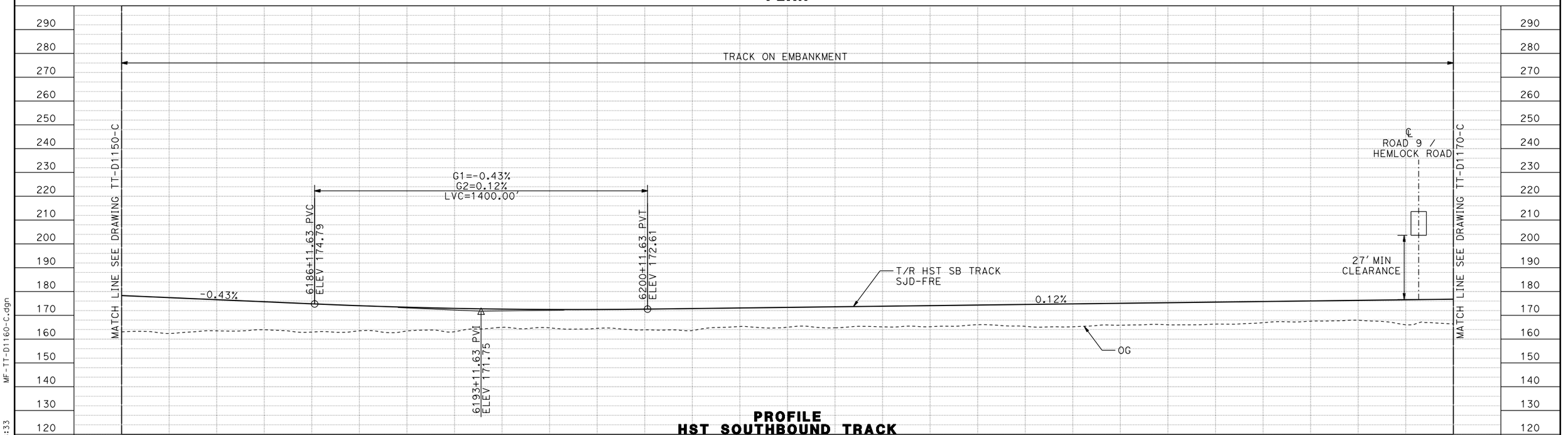
CURVE SJD-FRE 4 NB	
V	= 250 mph
R	= 200000'
LS	= 1150'
EA/EU	= 1.00/0.25
DESIRABLE	

CURVE SJD-FRE 4 SB	
V	= 250 mph
R	= 200016.50'
LS	= 1150'
EA/EU	= 1.00/0.25
DESIRABLE	

20 0 20 40 VERT: 1"=20'

200 0 200 400 HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6178+00	0	2	4	6	6188+00	0	2	4	6	6198+00	0	2	4	6	6208+00	0	2	4	6	6218+00	0	2	4	6	6228+00	0	2	6234+00	TOTAL
CY EXC																														
CY EMB																														

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

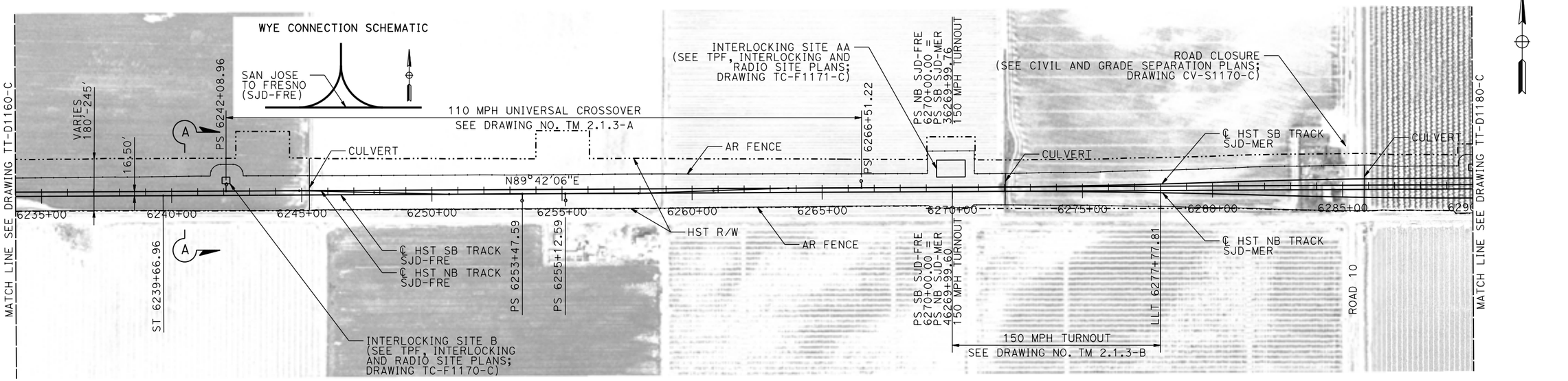
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

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

MF-TT-D1160-C.dgn
09-MAR-2016 08:33
p0042226

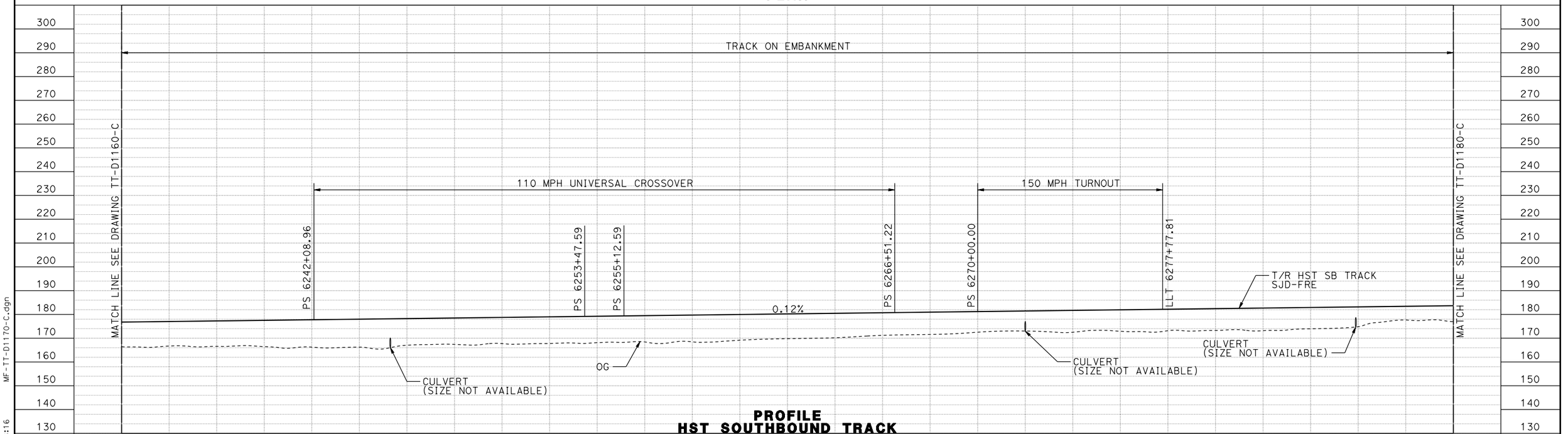
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130

PROFILE
HST SOUTHBOUND TRACK

STATION	6234+00	6	8	0	2	6244+00	6	8	0	2	6254+00	6	8	0	2	6264+00	6	8	0	2	6274+00	6	8	0	2	6284+00	6	8	6290+00	TOTAL
CY EXC																														
CY EMB																														

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

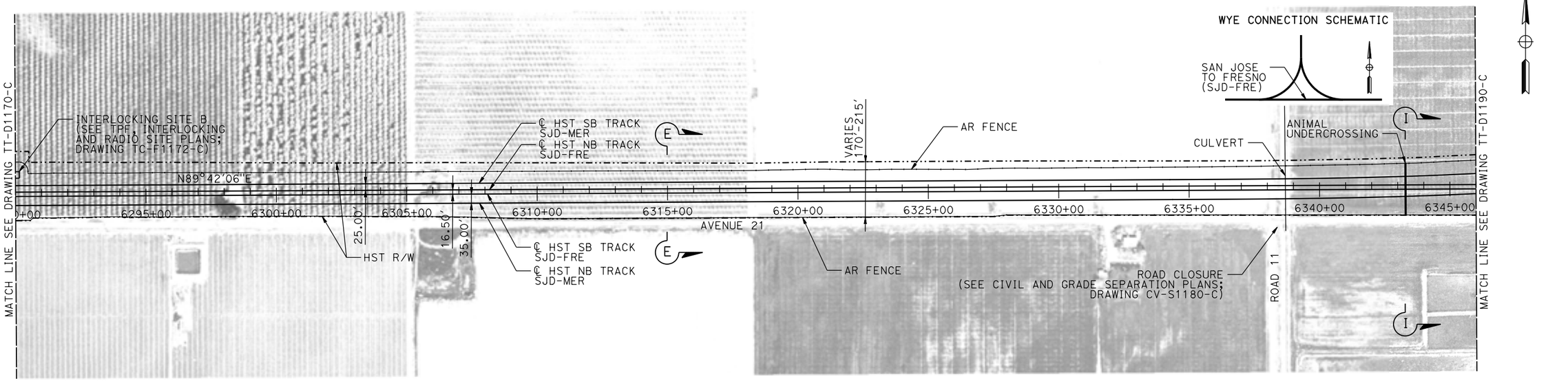
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

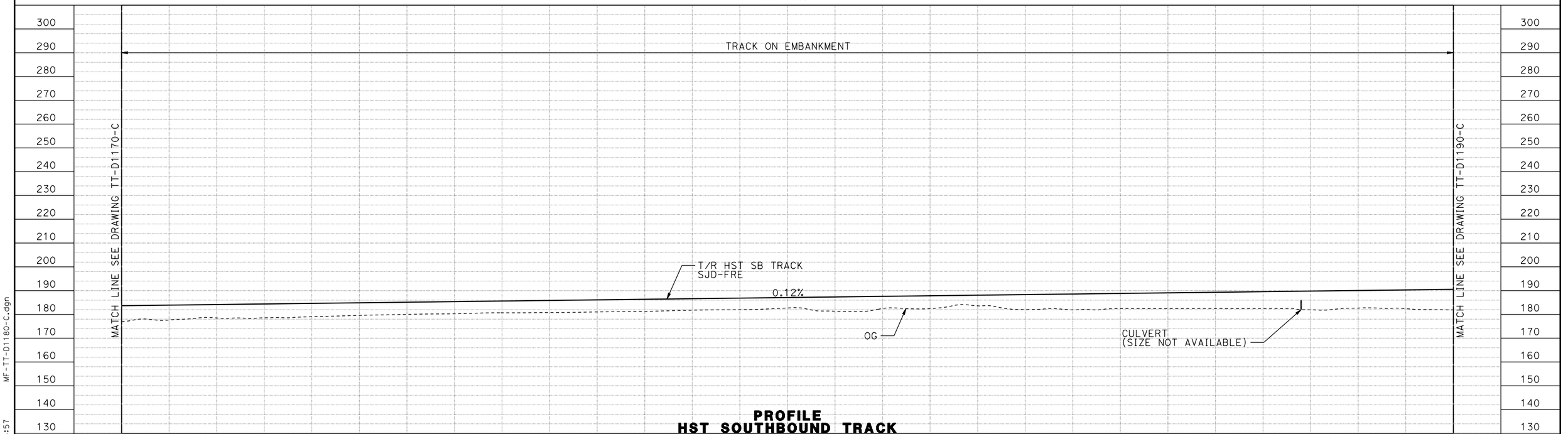
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1170-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1170-C.dgn
11-MAR-2016 8:16
p0042226

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

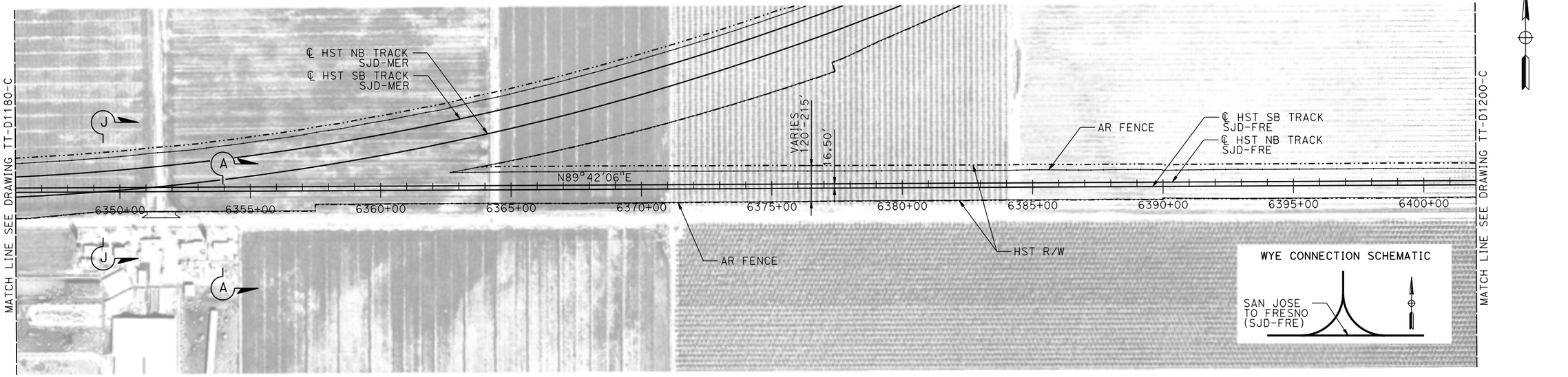
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6290+00 TO 6346+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1180-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1180-C.dgn
12-MAR-2016 06:57
p0042226

MADERA COUNTY



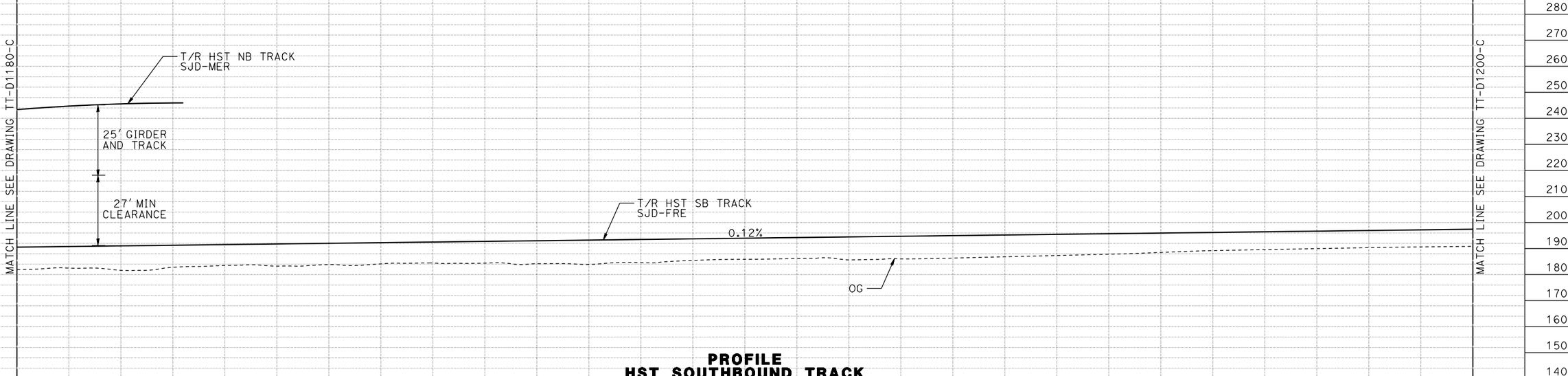
20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN

TRACK ON EMBANKMENT

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

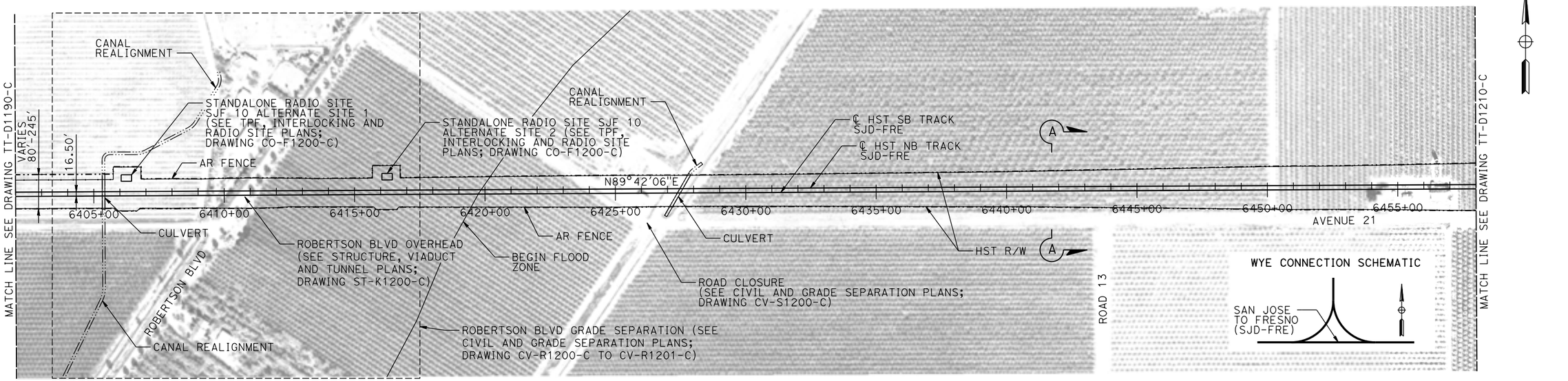
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6346+00 TO 6402+00

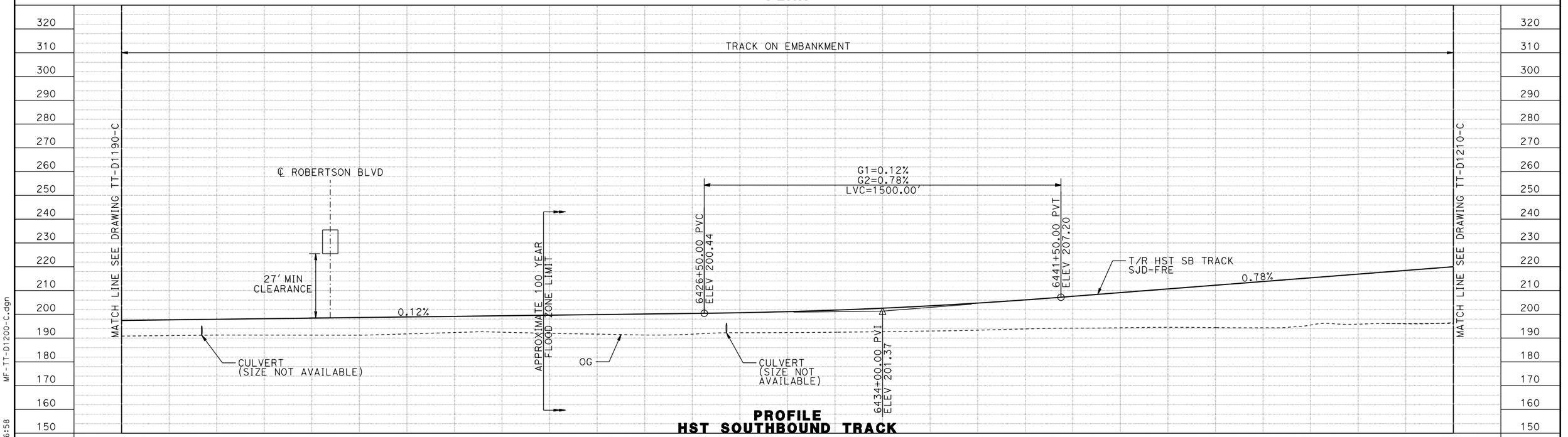
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1190-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1190-C.dgn
09-MAR-2016 08:36
p0042226

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

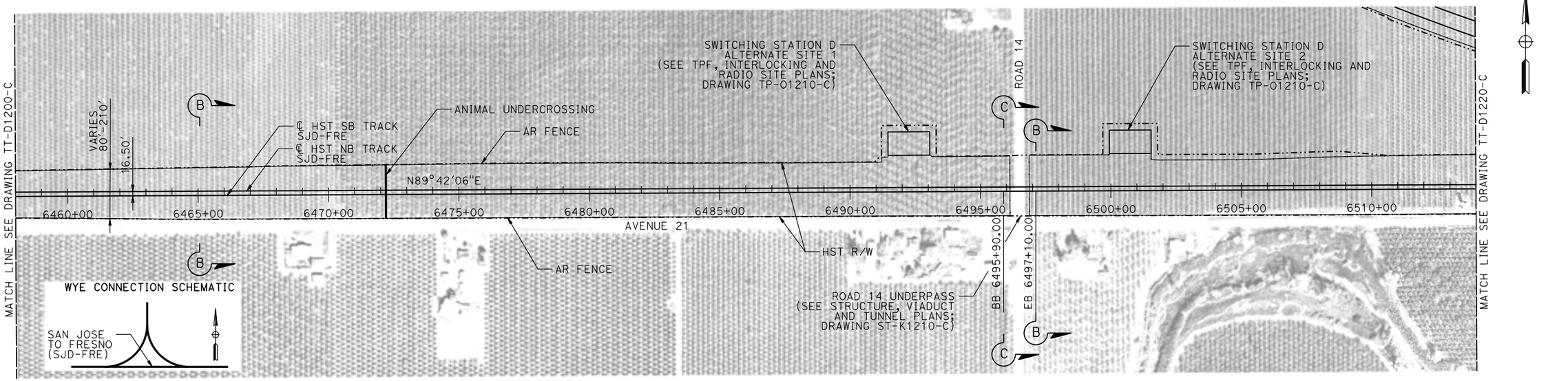
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

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

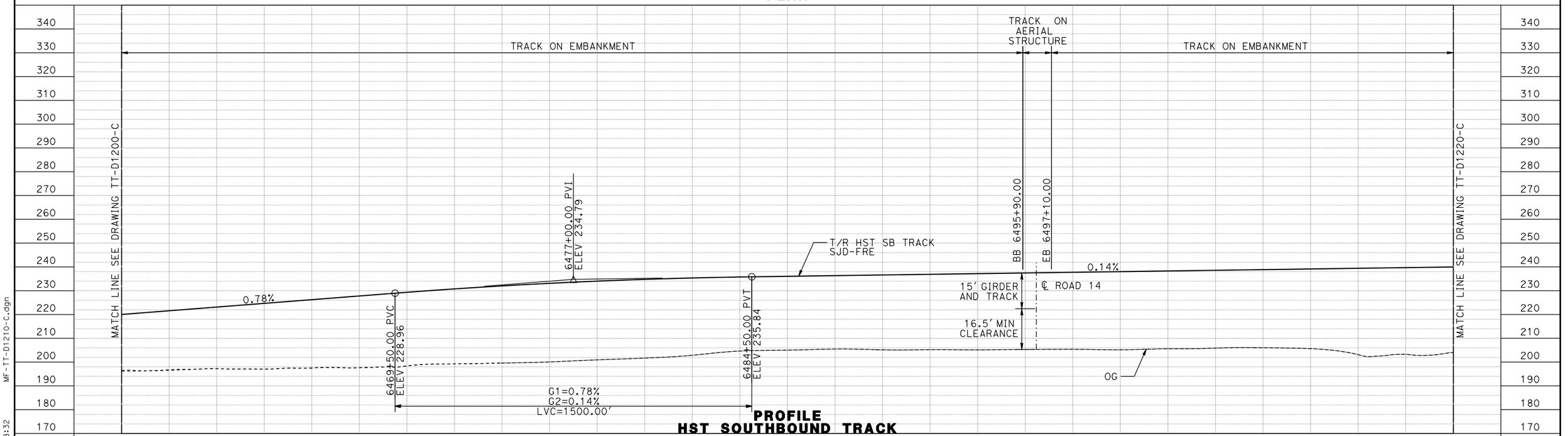
MF-TT-D1200-C.dgn
12-MAR-2016 06:58
p0042226

MADERA COUNTY



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

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6458+00	0	2	4	6	6468+00	0	2	4	6	6478+00	0	2	4	6	6488+00	0	2	4	6	6498+00	0	2	4	6	6508+00	0	2	6514+00	TOTAL
CY EXC																													
CY EMB																													

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

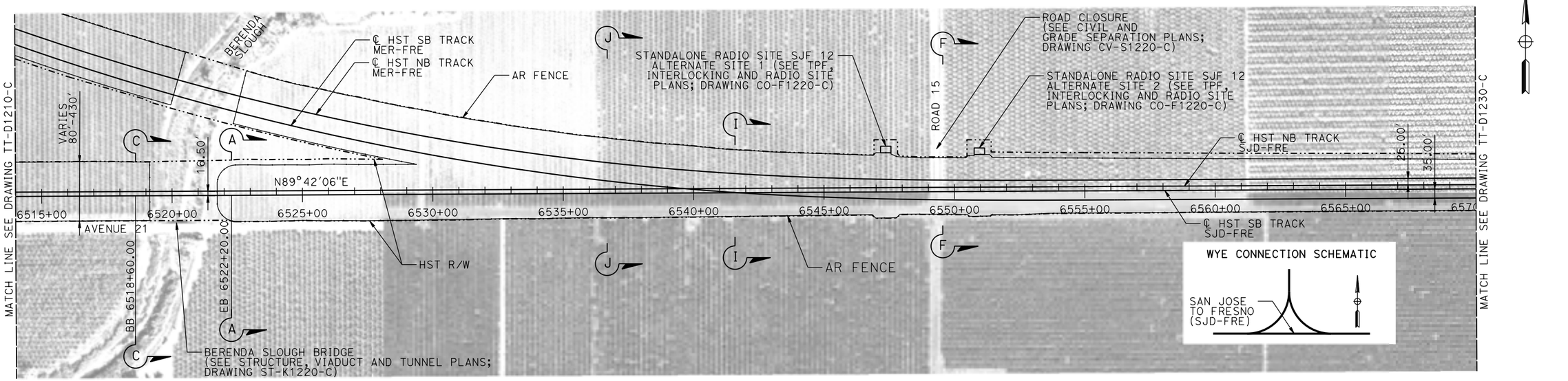
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1210-C.dgn
07-MAR-2016 08:32
p0042226

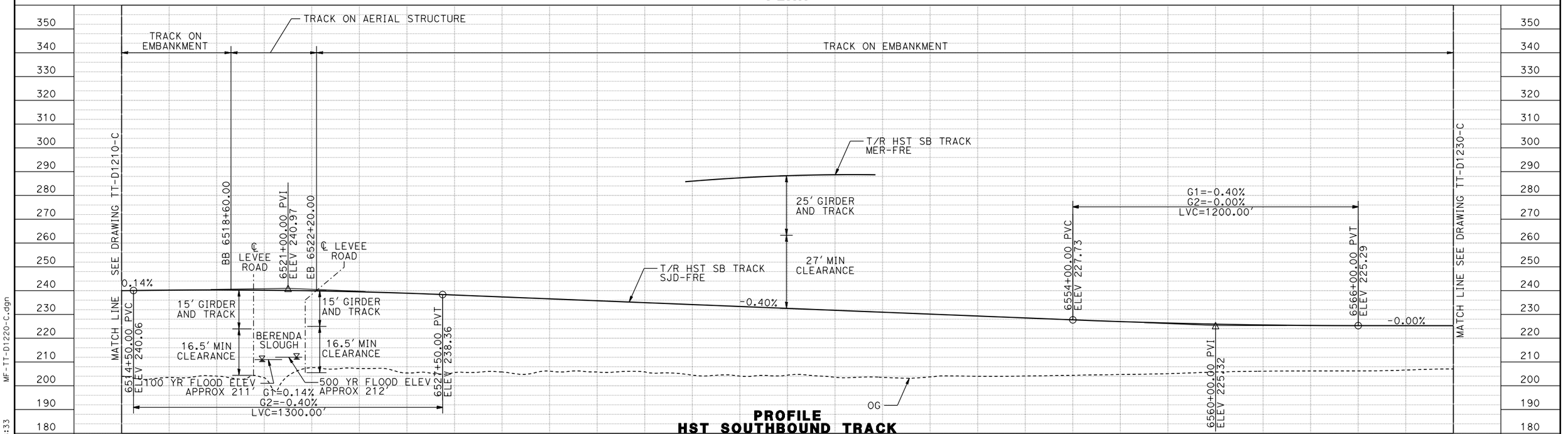
MADERA COUNTY



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 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

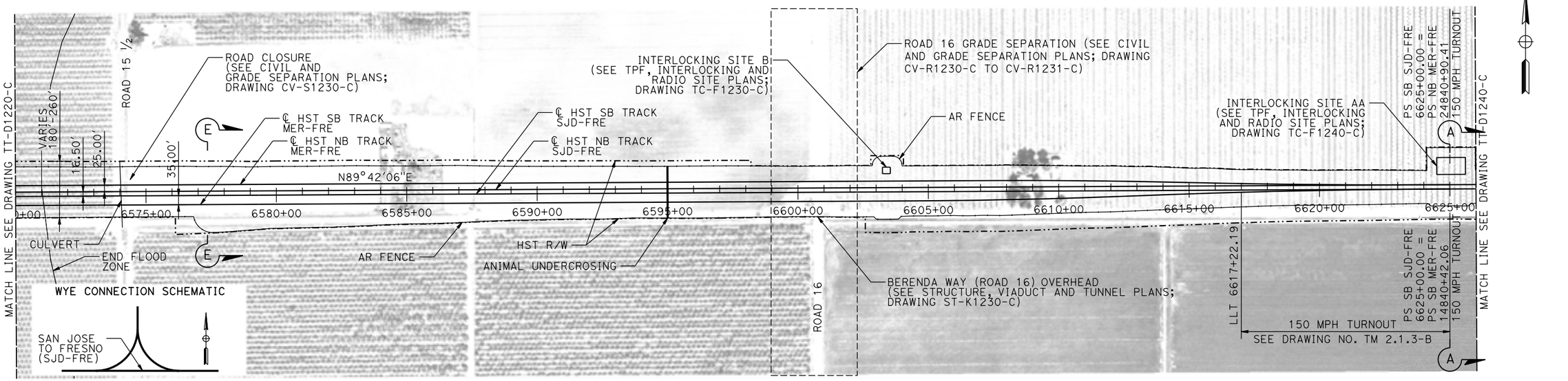
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

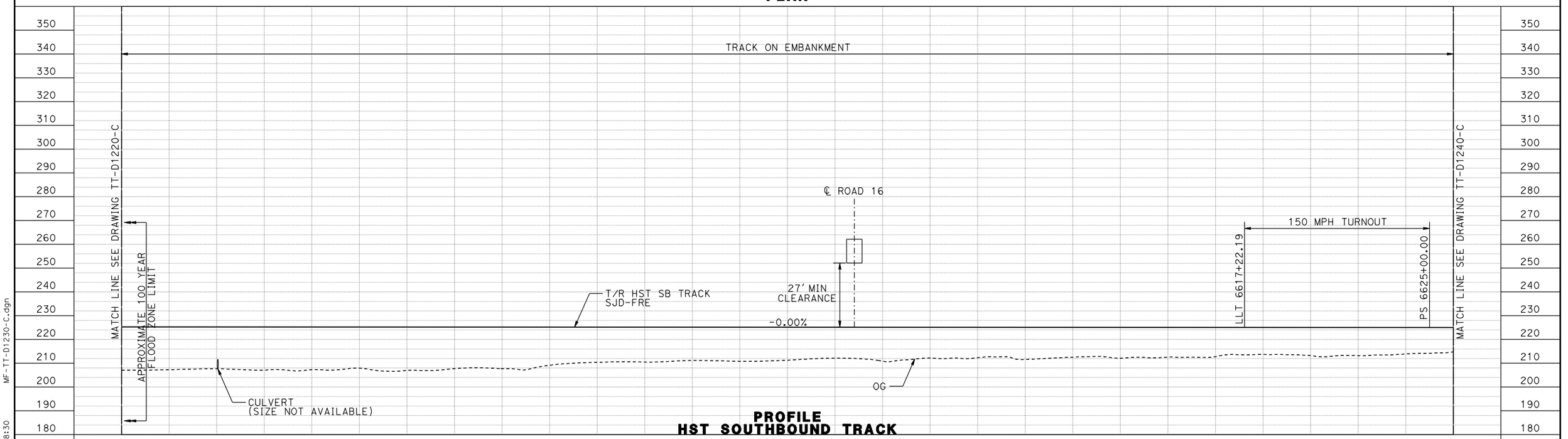
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1220-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1220-C.dgn
07-MAR-2016 08:33
p0042226

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

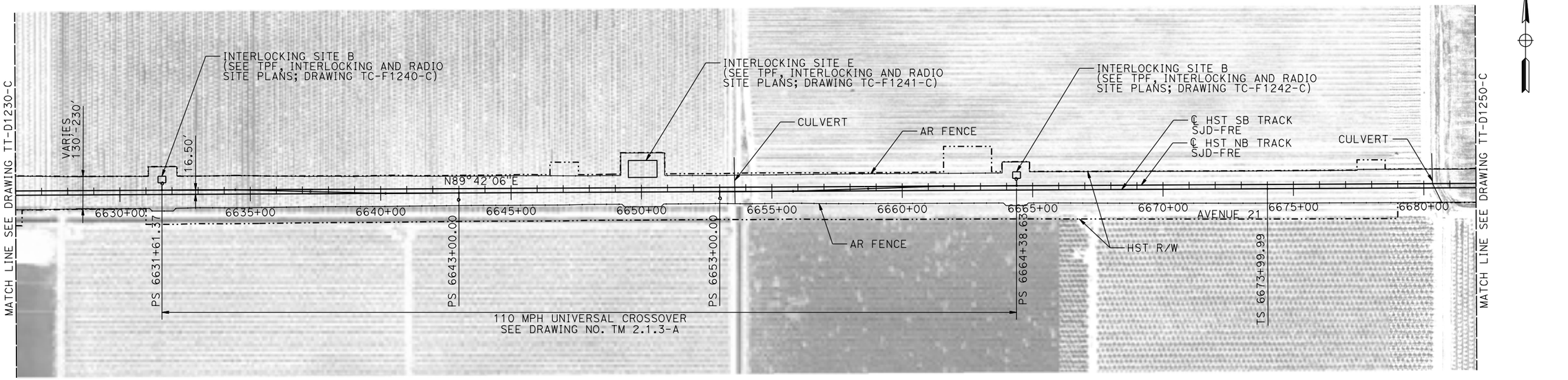
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

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

MF-TT-D1230-C.dgn
11-MAR-2016 8:30
p0042226

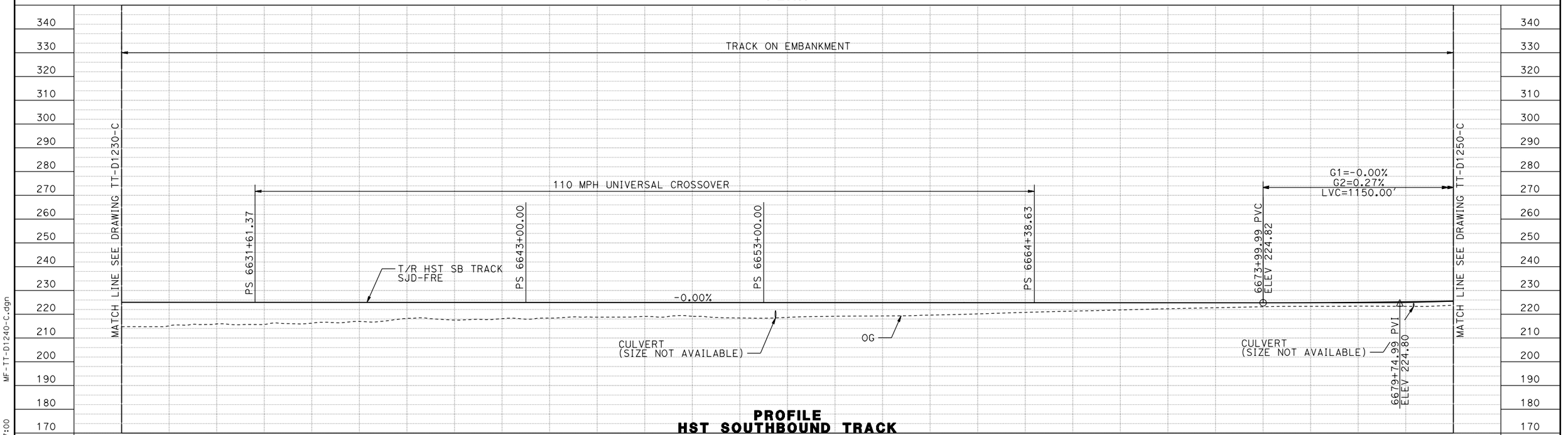
MADERA COUNTY



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 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

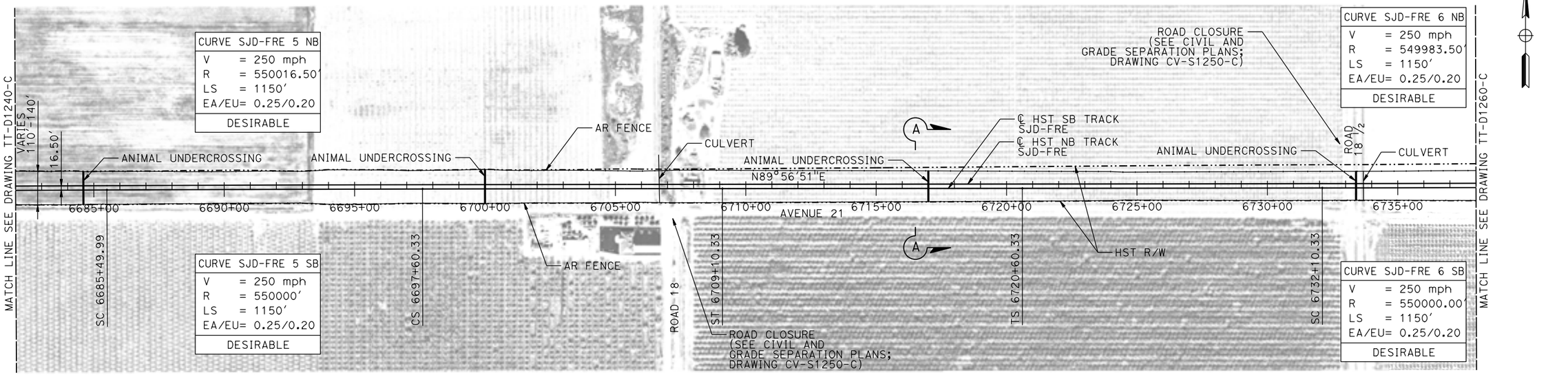
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6626+00 TO 6682+00

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

MF-TT-D1240-C.dgn
12-MAR-2016 07:00
p0042226

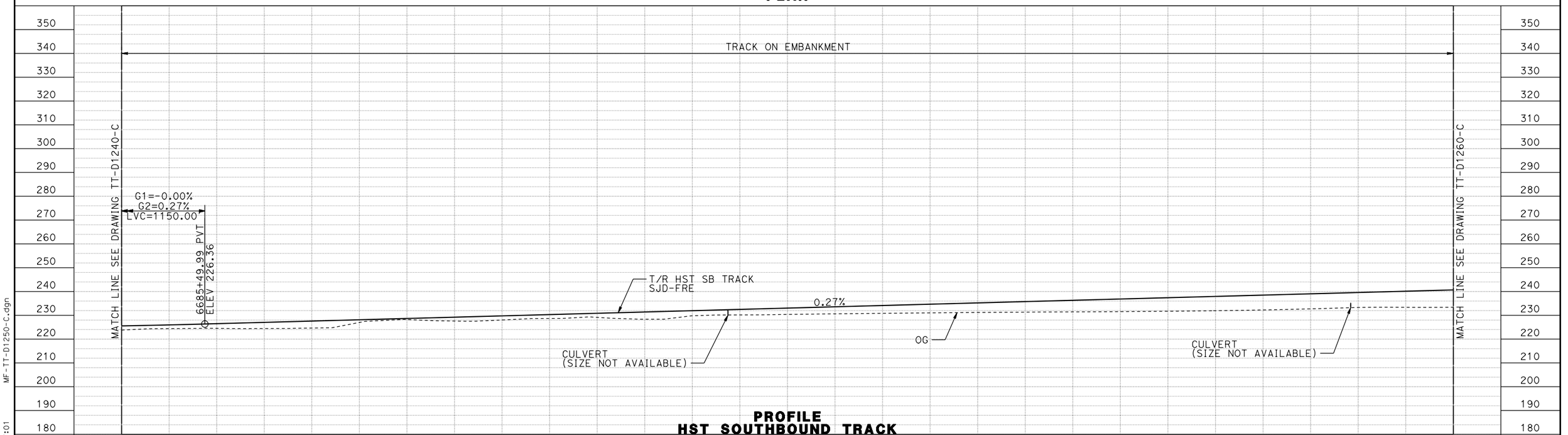
MADERA COUNTY



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 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

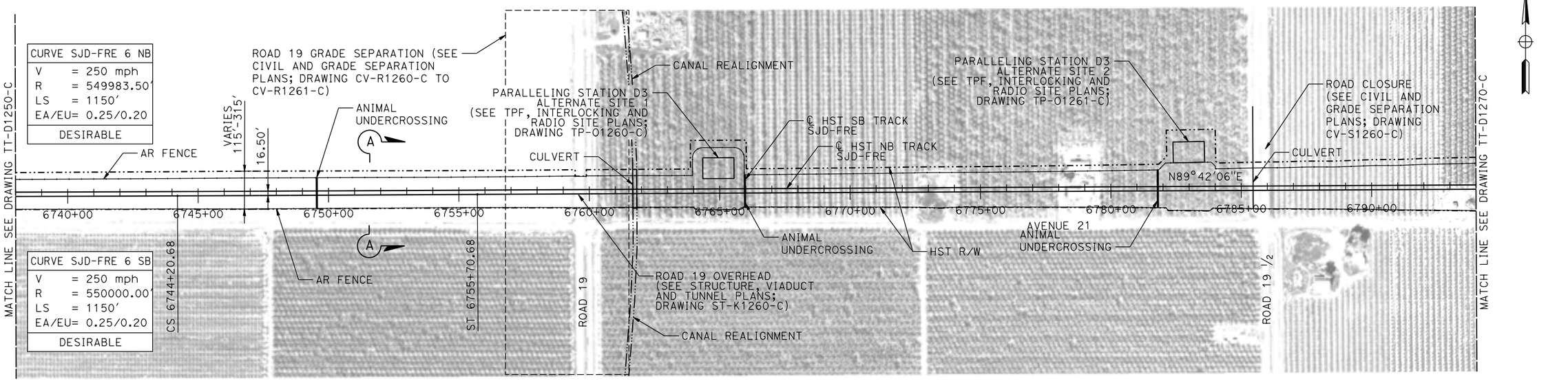
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6682+00 TO 6738+00

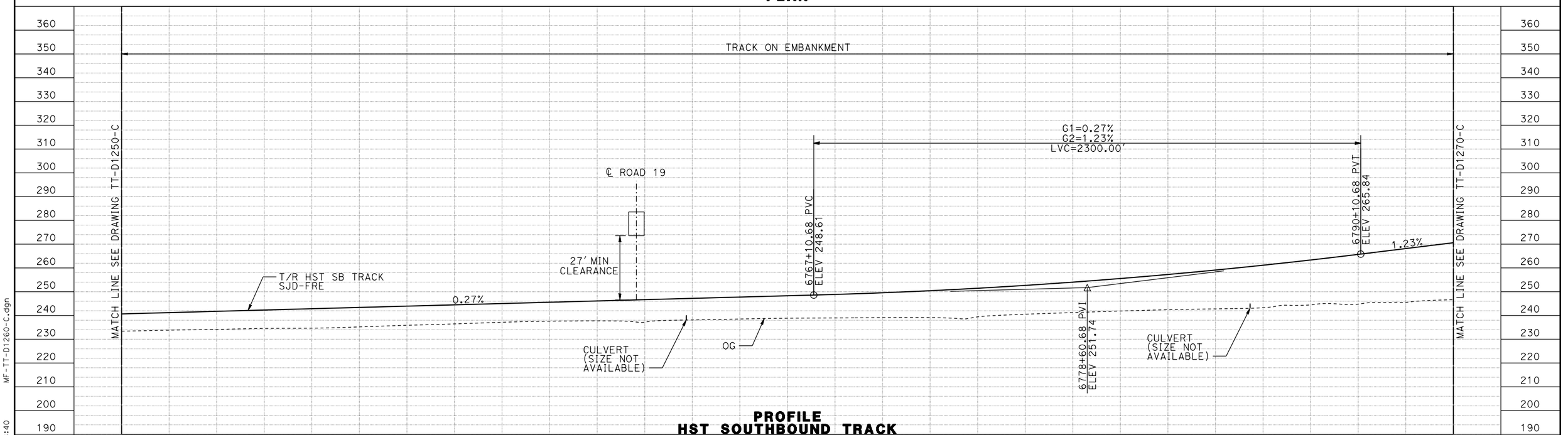
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1250-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1250-C.dgn
12-MAR-2016 07:01
p0042226

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

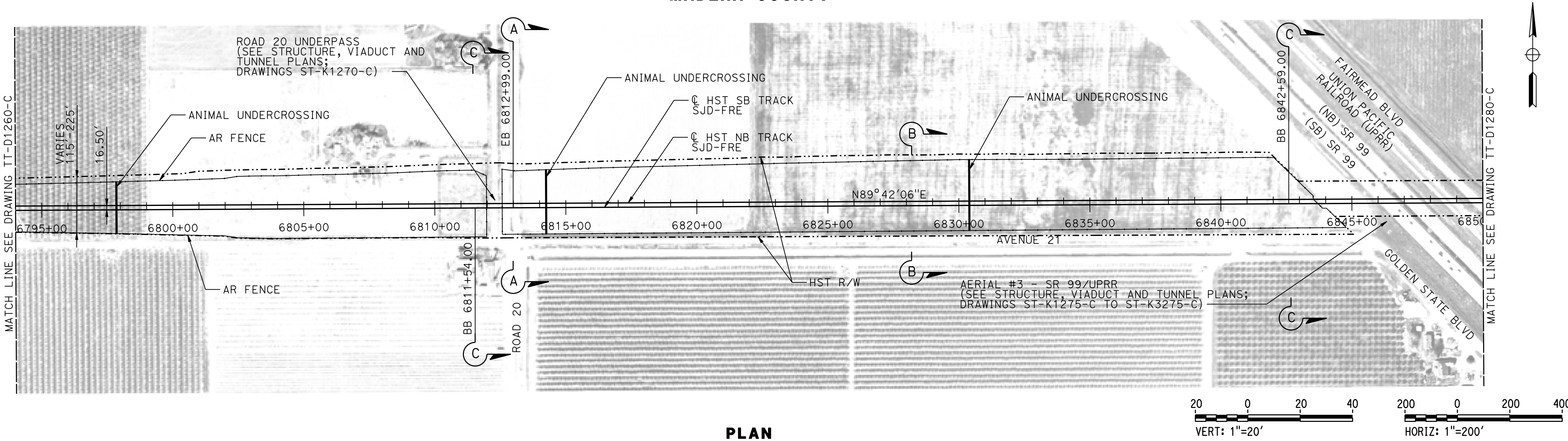
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

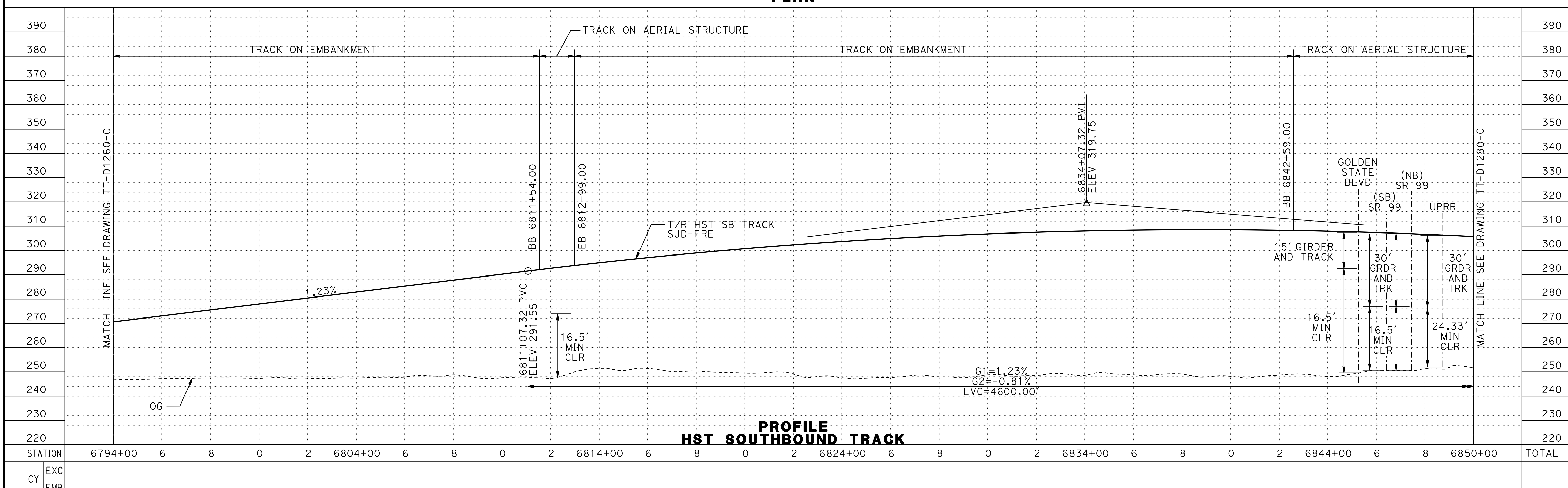
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1260-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1260-C.dgn
09-MAR-2016 08:40
p0042226

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

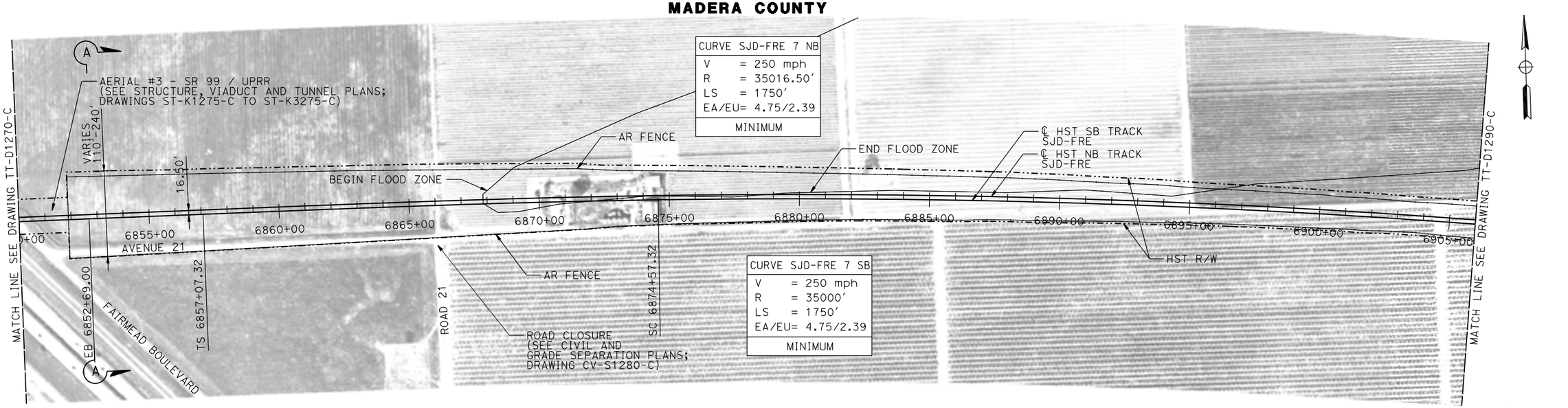
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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 6794+00 TO 6850+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1270-C
SCALE AS SHOWN
SHEET NO.

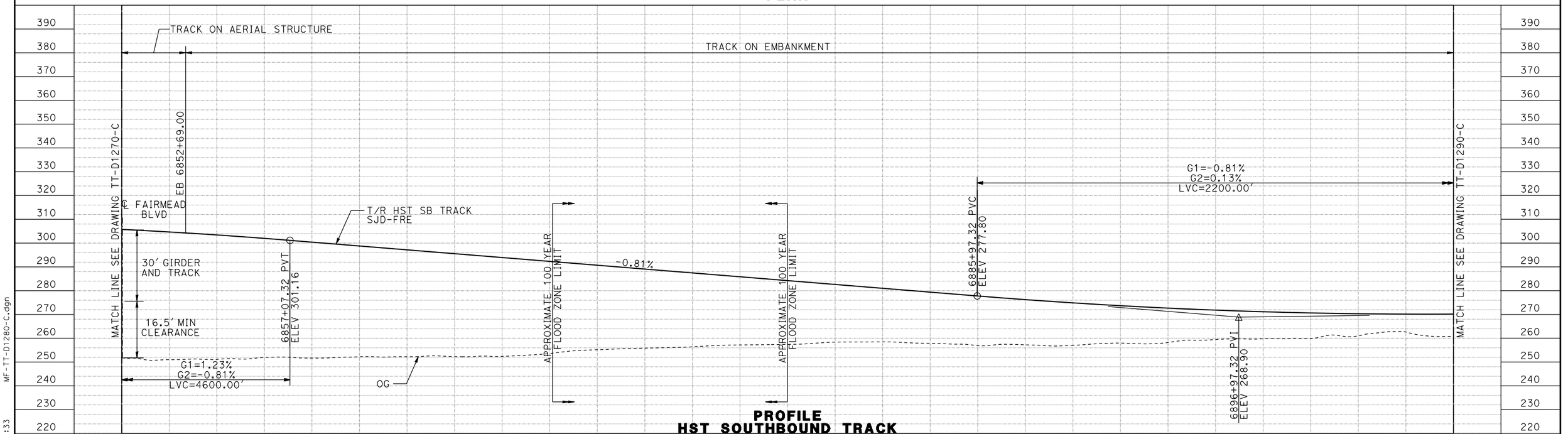
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09-MAR-2016 08:41
p0042226

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 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

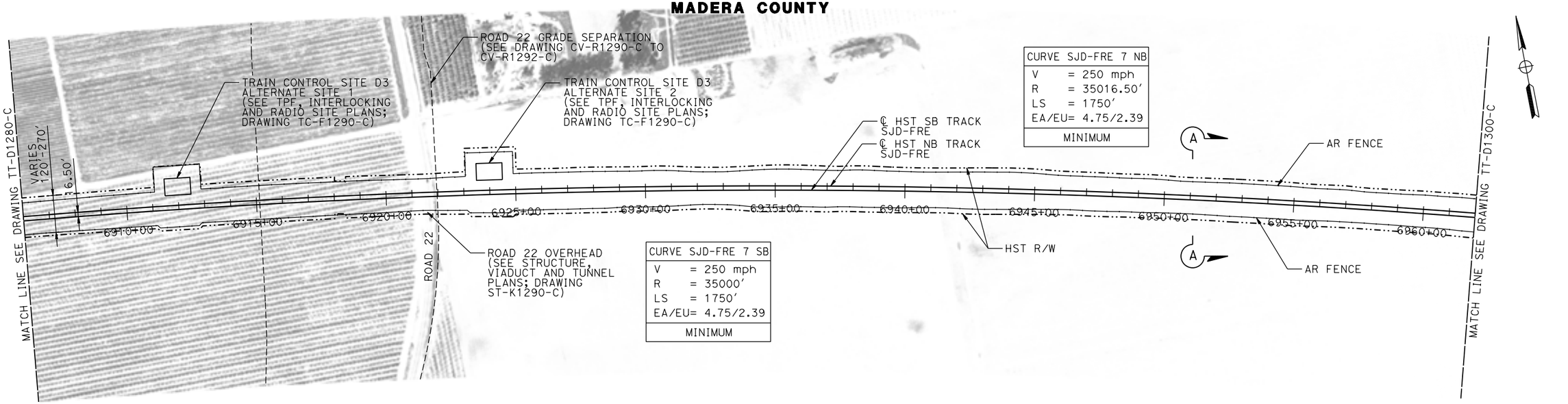
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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.

MF-TT-D1280-C.dgn
17-MAR-2016 1:33
p0051133A

MADERA COUNTY



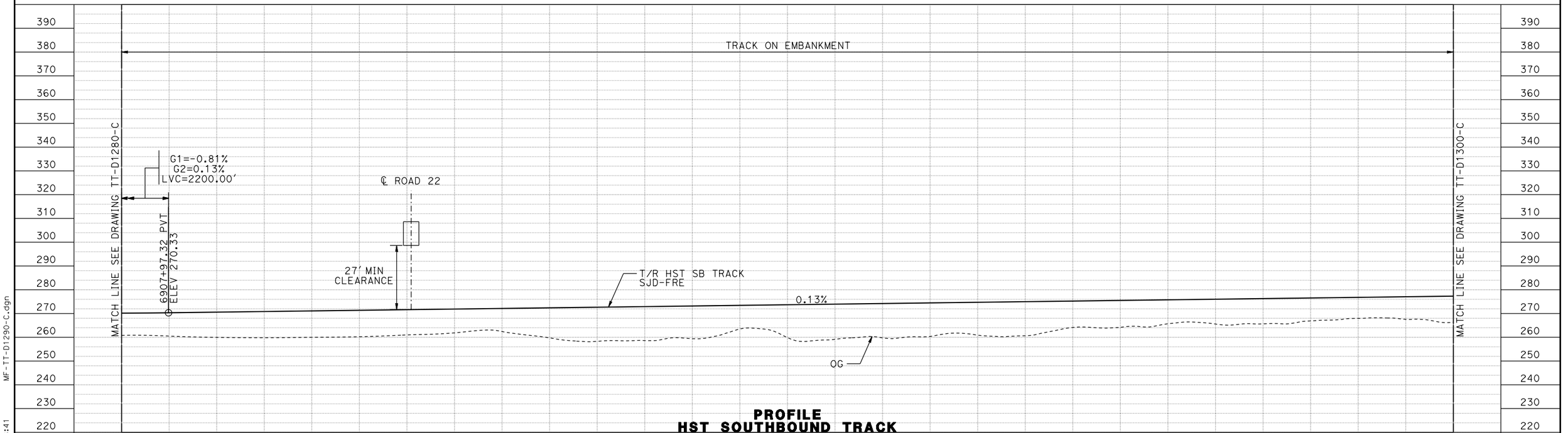
CURVE SJD-FRE 7 SB
V = 250 mph
R = 35000′
LS = 1750′
EA/EU= 4.75/2.39
MINIMUM

CURVE SJD-FRE 7 NB
V = 250 mph
R = 35016.50′
LS = 1750′
EA/EU= 4.75/2.39
MINIMUM

20 0 20 40 VERT: 1"=20′

200 0 200 400 HORIZ: 1"=200′

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6906+00	8	0	2	4	6916+00	8	0	2	4	6926+00	8	0	2	4	6936+00	8	0	2	4	6946+00	8	0	2	4	6956+00	8	0	6962+00	TOTAL
CY EXC																														
CY EMB																														

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

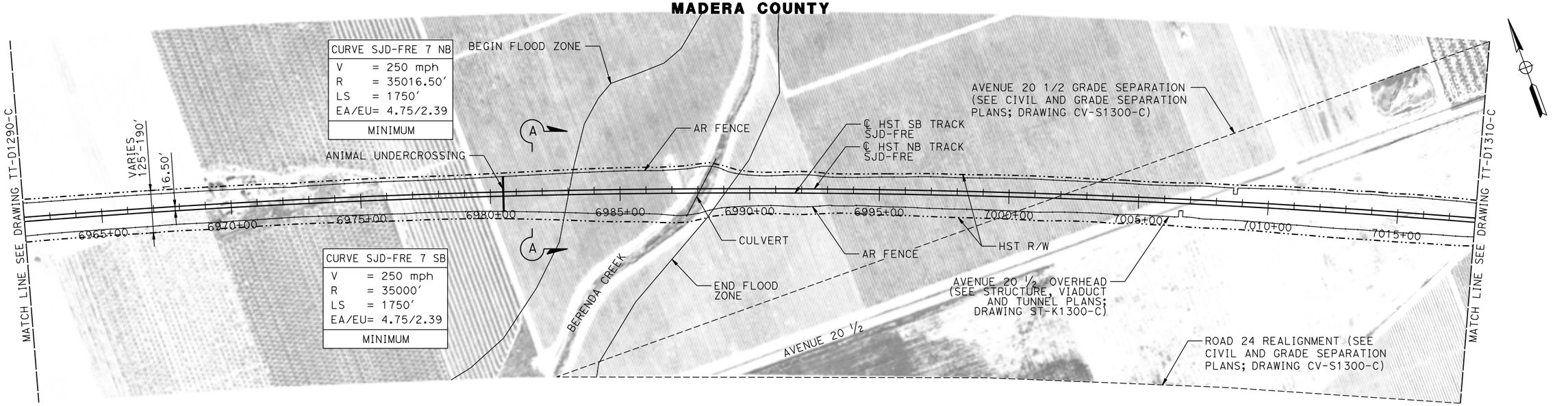
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6906+00 TO 6962+00

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

MF-TT-D1290-C.dgn
07-MAR-2016 08:41
p0042226

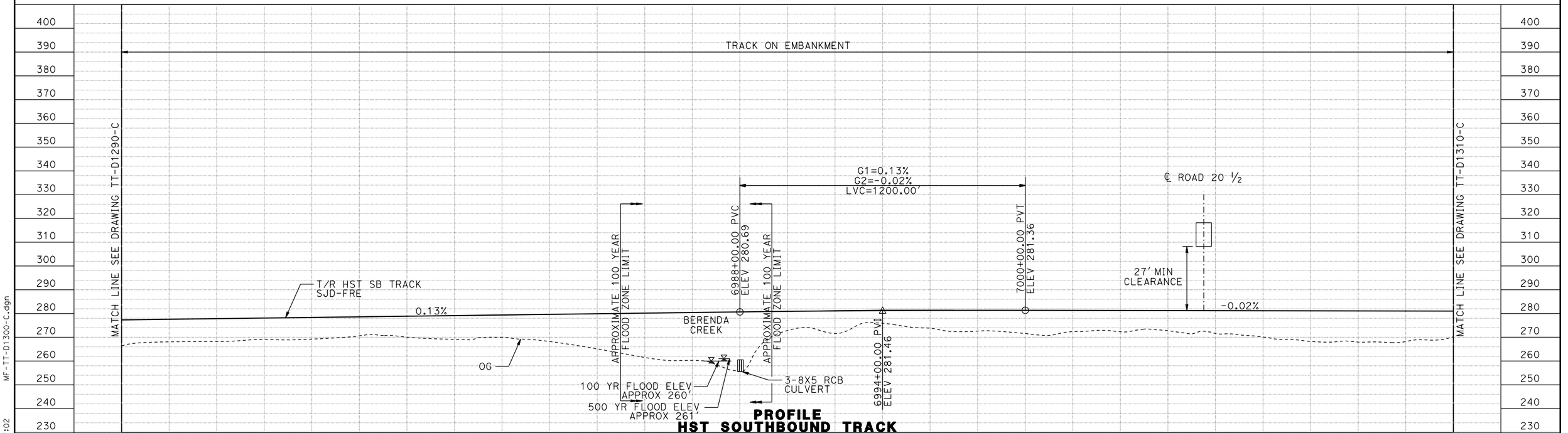
MADERA COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



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

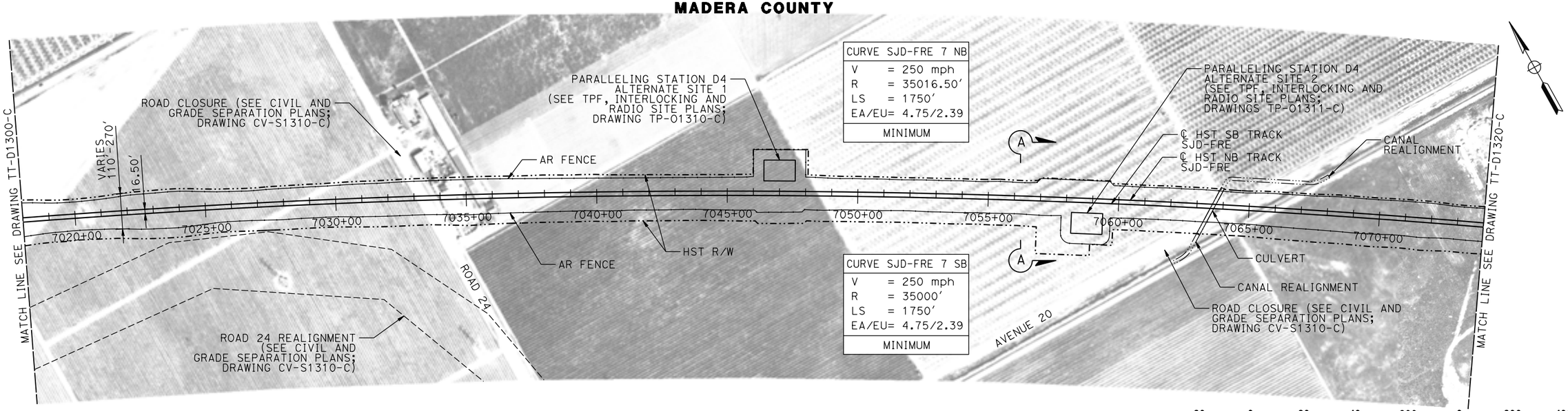
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

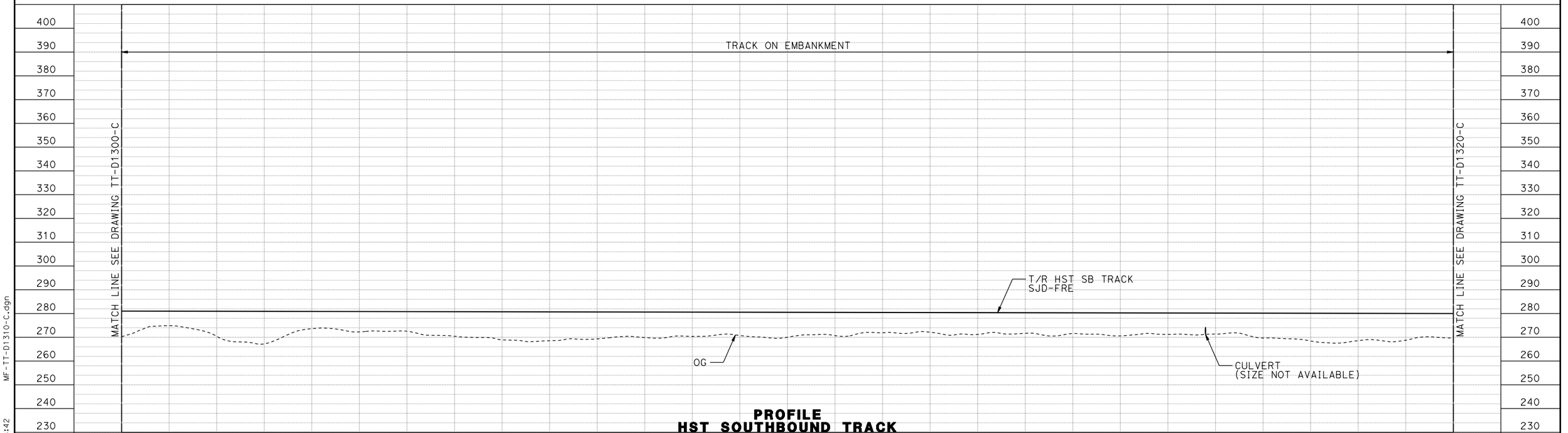
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1300-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1300-C.dgn
12-MAR-2016 07:02
p0042226

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

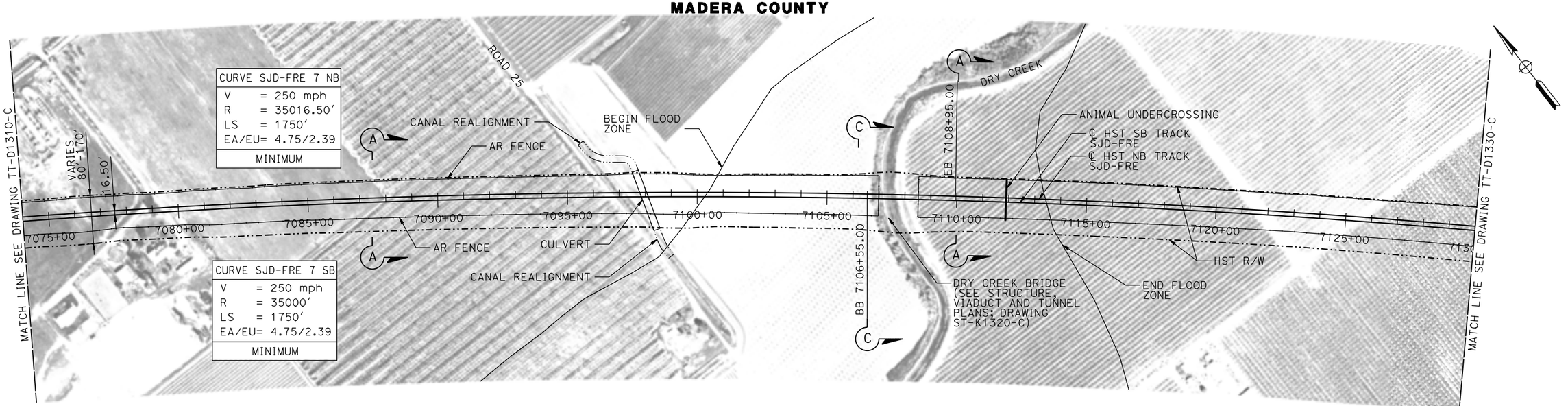
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

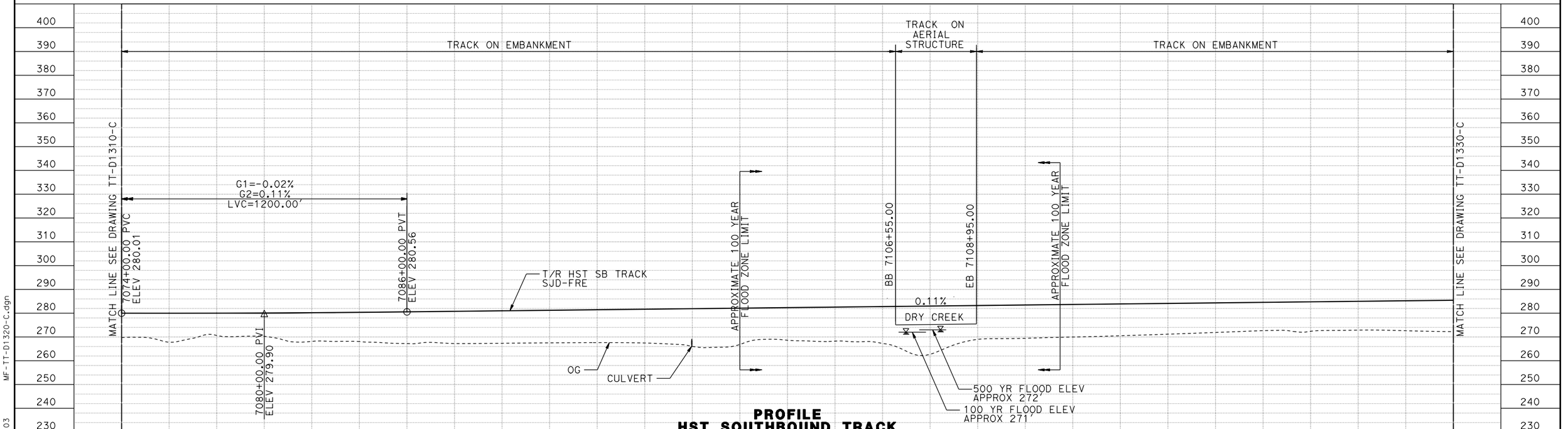
MF-TT-D1310-C.dgn
07-MAR-2016 08:42
p0042226

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 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

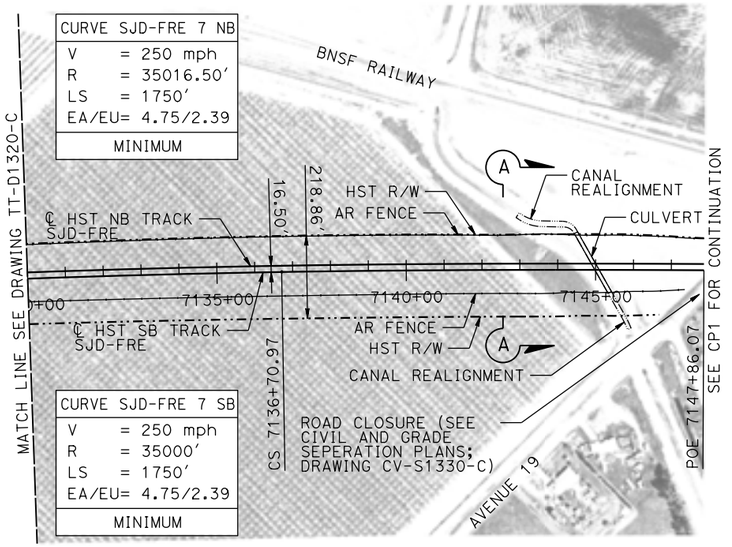
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1320-C.dgn
12-MAR-2016 07:03
p0042226

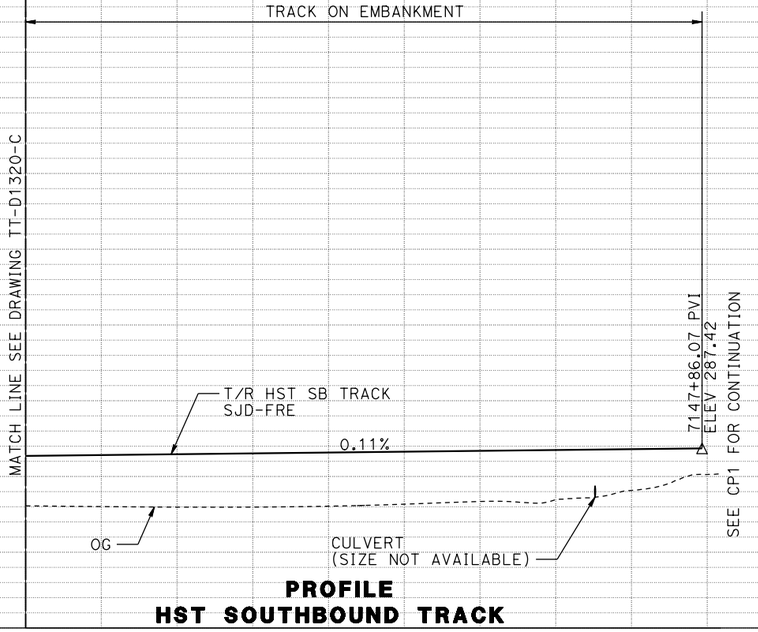
MADERA COUNTY



PLAN

VERT: 1"=20'

HORIZ: 1"=200'



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

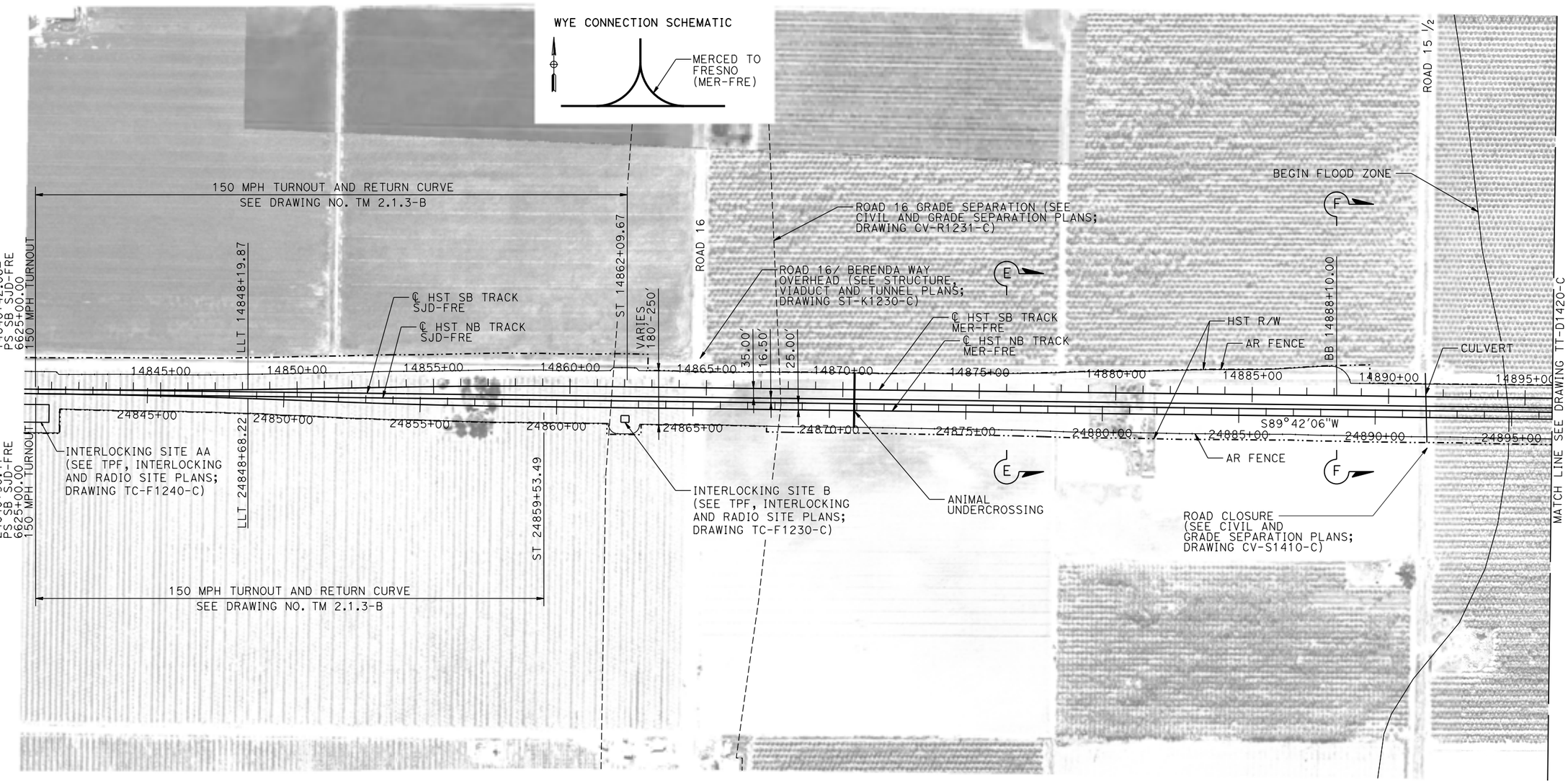
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7130+00 TO 7147+86.07

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

MF-TT-D1330-C.dgn
07-MAR-2016 08:43
p0042226

MADERA COUNTY



PLAN

200 0 200 400
1"=200'

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
MER-FRE STA 14840+00 TO 14896+00

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

MF-TT-D1410-C.dgn
12-MAR-2016 07:04
p0042226



STATION | TOTAL

CY EXC

CY EMB

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
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 PROFILE
MER-FRE STA 14840+00 TO 14896+00

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

MF-TT-D1411-C.dgn
09-MAR-2016 08:44
p0042226

MADERA COUNTY

WYE CONNECTION SCHEMATIC

MERCED TO FRESNO (MER-FRE)

CURVE MER-FRE 1 SB
V = 150 mph
R = 10375′
LS = 1500′
EA/EU= 6.00/2.67
MINIMUM

CURVE MER-FRE 1 NB
V = 150 mph
R = 10300
LS = 1500′
EA/EU= 6.00/2.74
MINIMUM

MATCH LINE SEE DRAWING TT-D1410-C

MATCH LINE SEE DRAWING TT-D1430-C

VARIES (40'-430')

35.00'

16.50'

26.00'

TS 14908+88.34

SC 14923+88.34

AVENUE 21

LEVEE ROAD

LEVEE ROAD

℄ HST SB TRACK SJD-FRE

℄ HST NB TRACK SJD-FRE

℄ HST SB TRACK MER-FRE

℄ HST NB TRACK MER-FRE

HST R/W

AR FENCE

AR FENCE

AERIAL #4 - SOUTHBOUND OVER HST MAINLINE (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWINGS ST-K1420-C TO ST-K3421-C)

TS 24909+94.96

SC 24924+94.96

BB 24943+25.00

EB 24946+35.00

BERENDA SLOUGH

ROAD 15

STANDALONE RADIO SITE SJF 12 ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING CO-F1220-C)

ROAD CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1420-C)

STANDALONE RADIO SITE SJF 12 ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING CO-F1220-C)

HST NB BRIDGE OVER BERENDA SLOUGH (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1426-C)

14900+00 14905+00 14910+00 14915+00 14920+00 14925+00 14930+00 14935+00 14940+00 14945+00 14950+00

24900+00 24905+00 24910+00 24915+00 24920+00 24925+00 24930+00 24935+00 24940+00 24945+00 24950+00

200 0 200 400

1"=200′

PLAN

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
MER-FRE STA 14896+00 TO 14952+00

CONTRACT NO. HSR08-05

DRAWING NO. TT-D1420-C

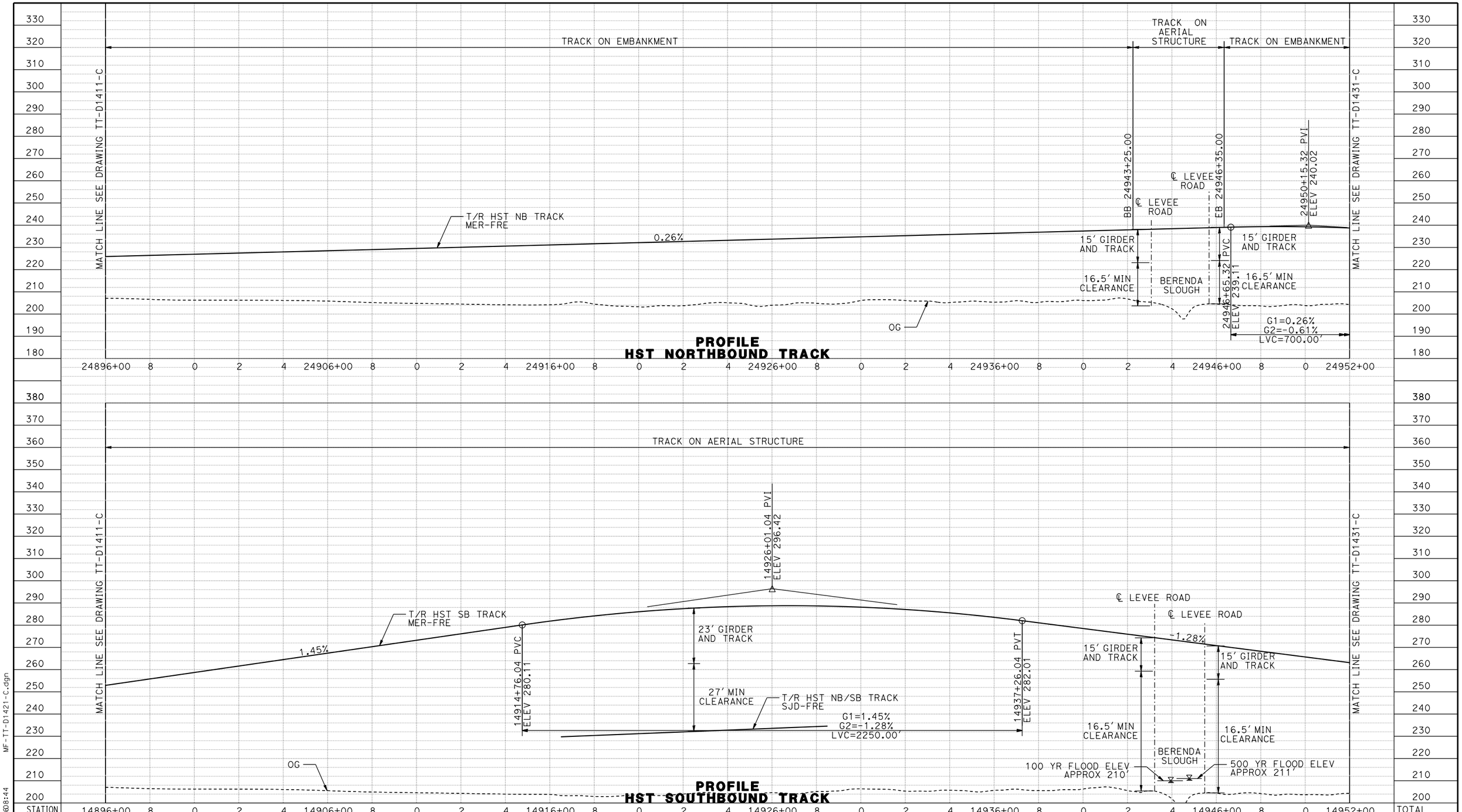
SCALE AS SHOWN

SHEET NO.

MF-TT-D1420-C.dgn

07-MAR-2016 08:46

p0042226



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	14896+00 8 0 2 4 14906+00 8 0 2 4 14916+00 8 0 2 4 14926+00 8 0 2 4 14936+00 8 0 2 4 14946+00 8 0 14952+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY: D. OLIVETI
DRAWN BY: M. TACTAY
CHECKED BY: ELVIS C.
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 PROFILE
MER-FRE STA 14896+00 TO 14952+00

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

MF-TT-D1421-C.dgn
09-MAR-2016 08:44
p0042226

MADERA COUNTY

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

SWITCHING STATION D ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01210-C)

BERENDA SLOUGH

AVENUE 21

ROAD 14

℄ HST SB TRACK SJD-FRE

℄ HST NB TRACK SJD-FRE

CURVE MER-FRE 1 SB
V = 150 mph
R = 10375′
LS = 1500′
EA/EU= 6.00/2.67
MINIMUM

SWITCHING STATION E ALTERNATE SITE 1 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01430-C)

SWITCHING STATION E ALTERNATE SITE 2 (SEE TPF, INTERLOCKING AND RADIO SITE PLANS; DRAWING TP-01431-C)

AR FENCE

EB 14972+80.00

BB 24970+90.00

EB 24972+95.00

14955+00 14960+00 14965+00 14970+00 14975+00 14980+00 14985+00 14990+00 14995+00 15000+00 15005+00

24955+00 24960+00 24965+00 24970+00 24975+00 24980+00 24985+00 24990+00 24995+00 25000+00 25005+00

36.82

VARIES 120′-330′

HST R/W

AR FENCE

℄ HST SB TRACK MER-FRE

℄ HST NB TRACK MER-FRE

CURVE MER-FRE 1 NB
V = 150 mph
R = 10300
LS = 1500′
EA/EU= 6.00/2.74
MINIMUM

AVENUE 21 1/2

AVENUE 21 1/2 OVERHEAD (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING ST-K1435-C)

ROAD 14 UNDERPASS (SEE STRUCTURE, VIADUCT AND TUNNEL PLANS; DRAWING DT-K1430-C)

ROAD 14 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-R1430-C TO CV-R1431-C)

ROAD 21 1/2 GRADE SEPARATION (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-R1432-C TO CV-R1433-C)

MATCH LINE SEE DRAWING TT-D1420-C

MATCH LINE SEE DRAWING TT-D1440-C

WYE CONNECTION SCHEMATIC

MERCED TO FRESNO (MER-FRE)

200 0 200 400

1"=200′

PLAN

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

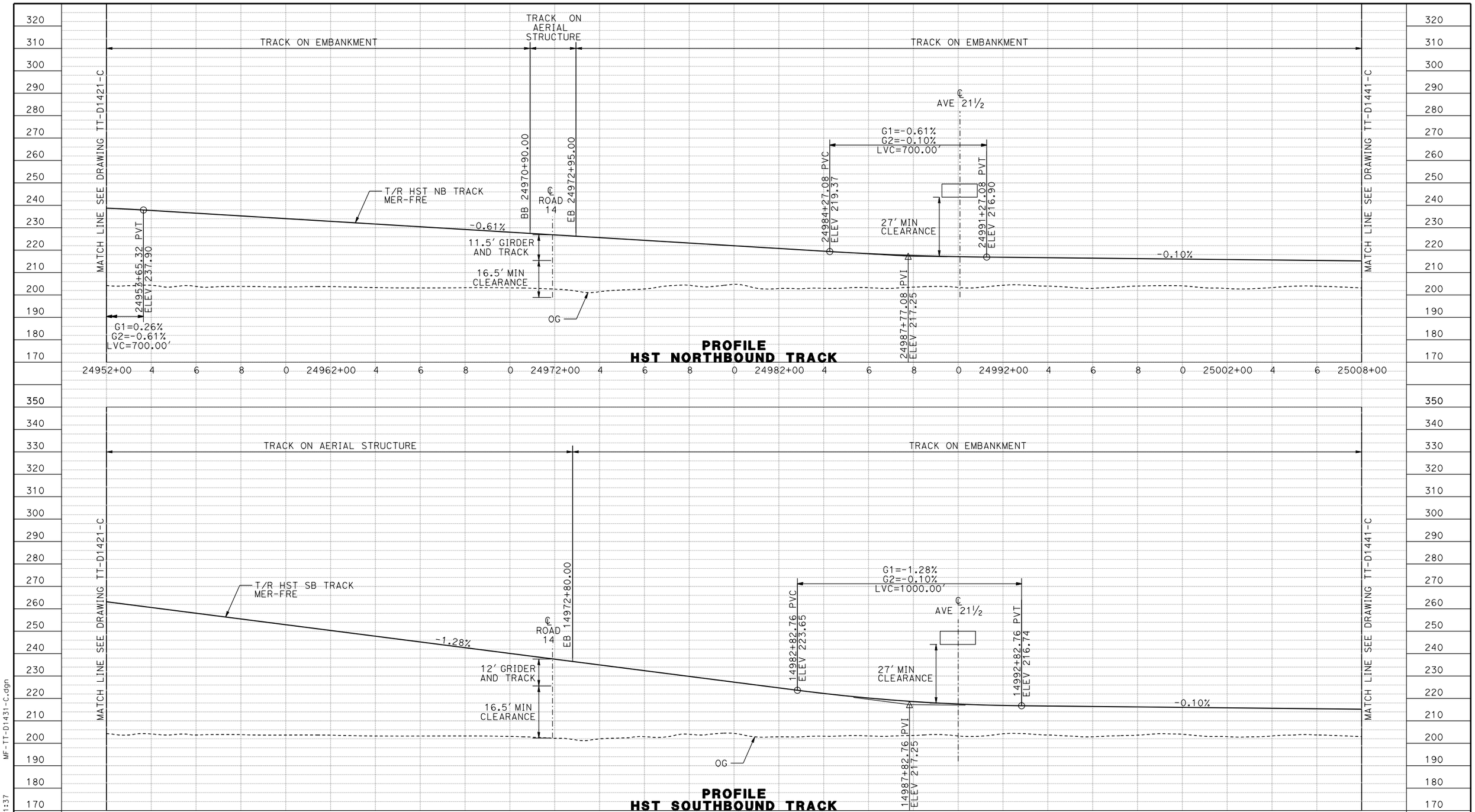
PARSONS

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
MER-FRE STA 14952+00 TO 15008+00

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

MF-TT-D1430-C.dgn
09-MAR-2016 08:45
p0042226



STATION	14952+00 4 6 8 0 14962+00 4 6 8 0 14972+00 4 6 8 0 14982+00 4 6 8 0 14992+00 4 6 8 0 15002+00 4 6 15008+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 02/13/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

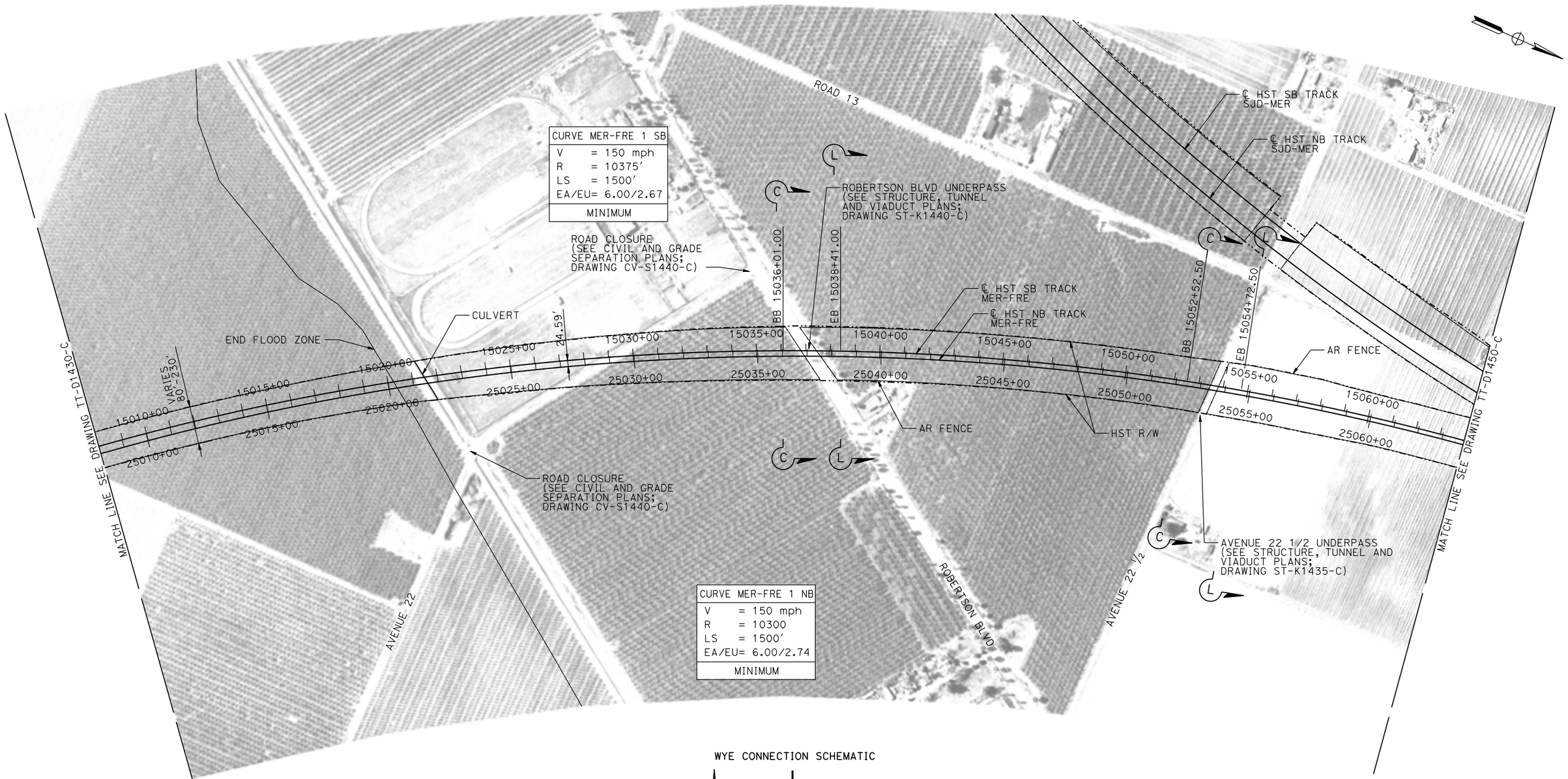
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1431-C.dgn
17-MAR-2016 1137
p005133A

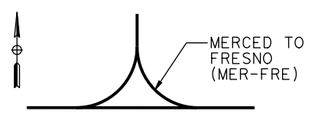
MADERA COUNTY



CURVE MER-FRE 1 SB
V = 150 mph
R = 10375'
LS = 1500'
EA/EU= 6.00/2.67
MINIMUM

CURVE MER-FRE 1 NB
V = 150 mph
R = 10300
LS = 1500'
EA/EU= 6.00/2.74
MINIMUM

WYE CONNECTION SCHEMATIC



200 0 200 400
1"=200'

PLAN

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

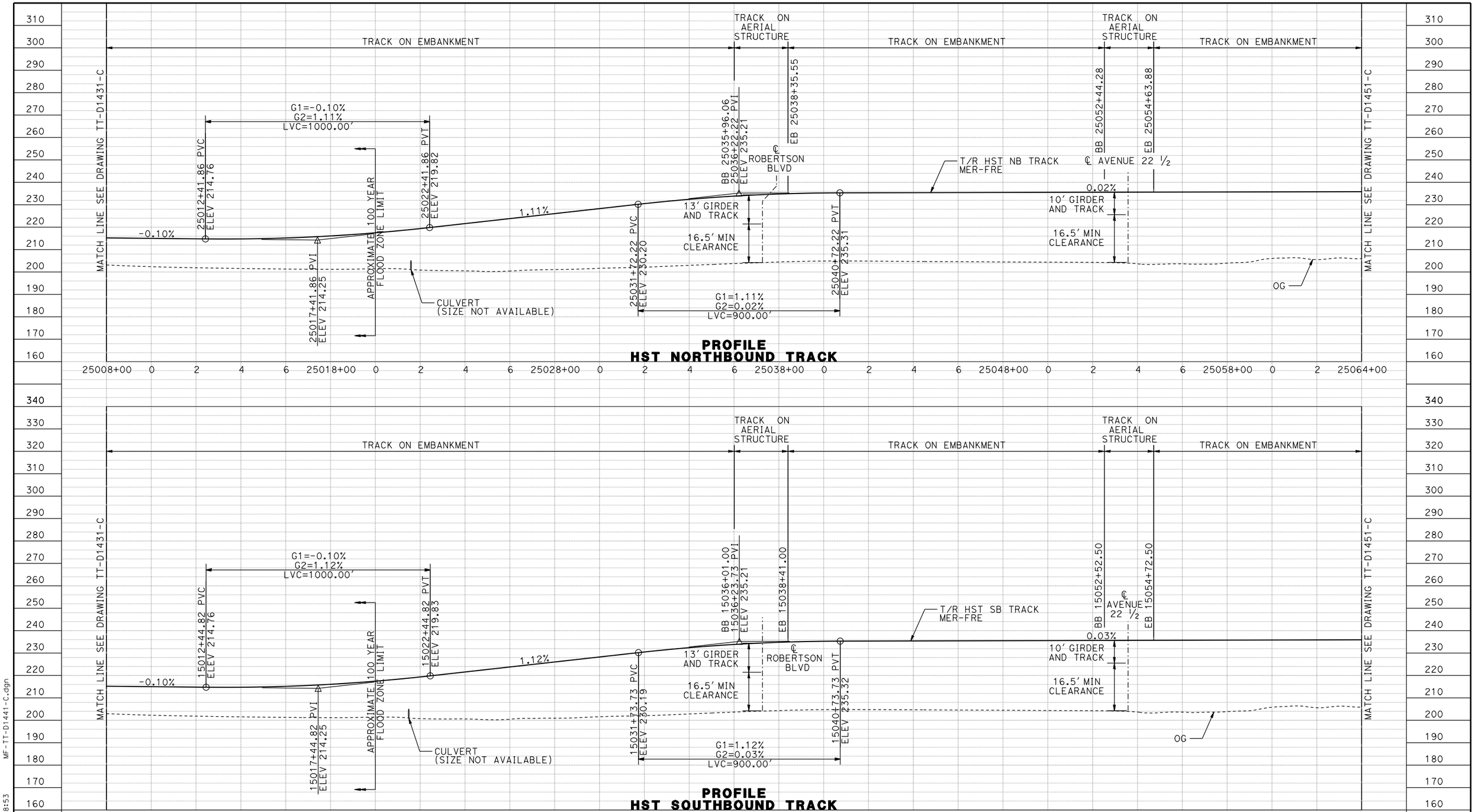
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1440-C.dgn
09-MAR-2016 08:47
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

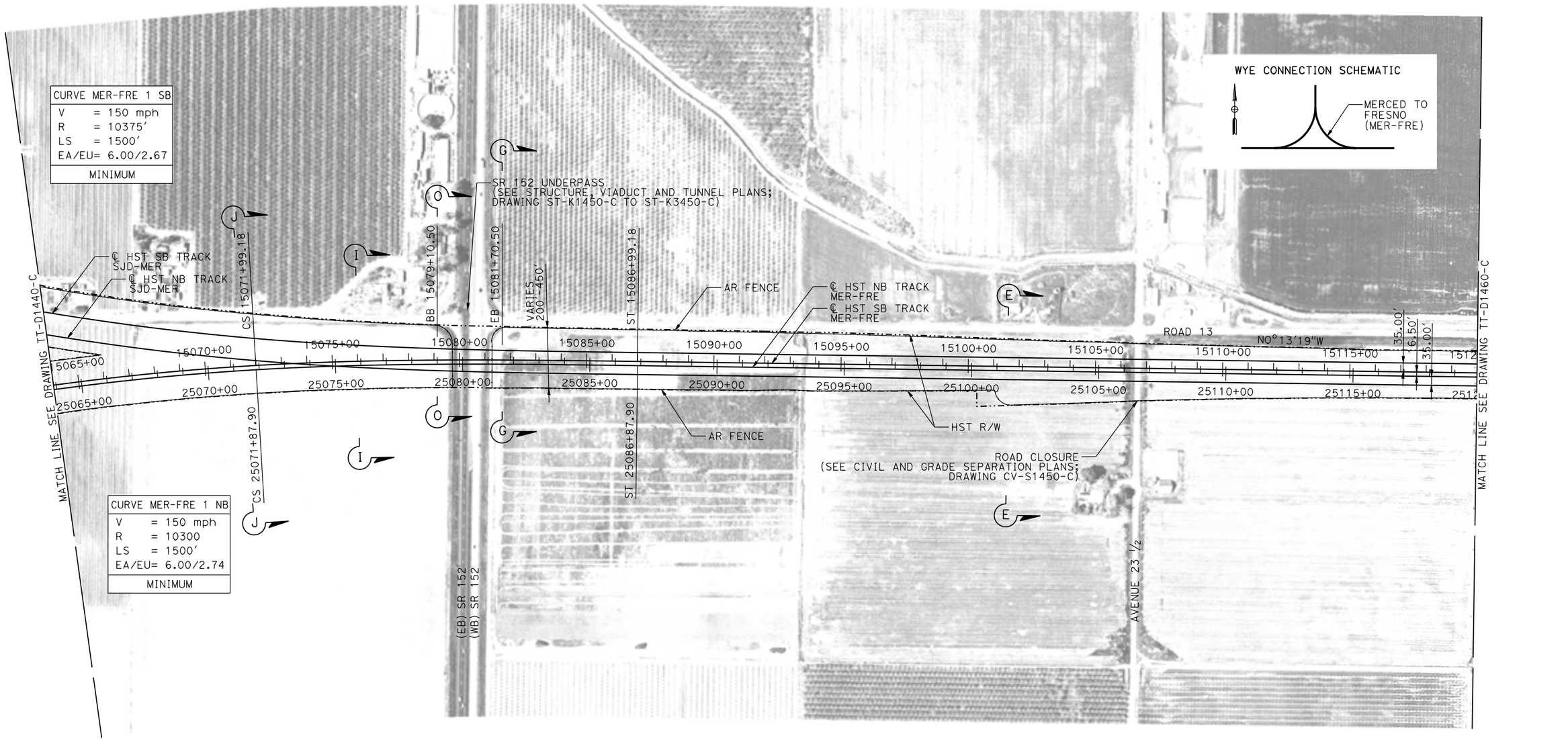
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1441-C.dgn
07-MAR-2016 8:53
p0042226

MADERA COUNTY



PLAN

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

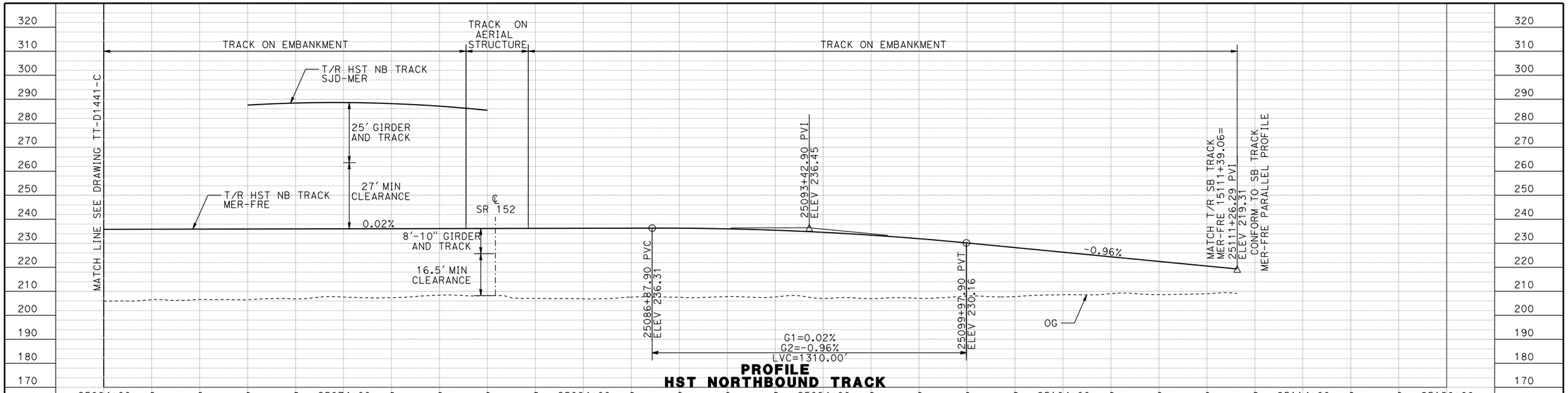
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

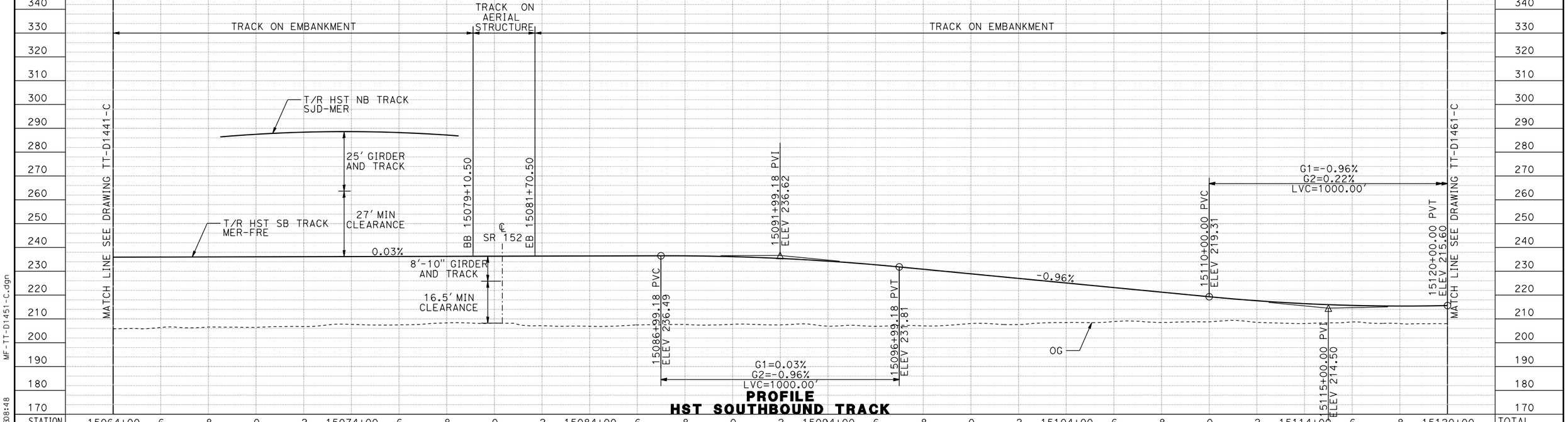
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15064+00 TO 15120+00

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

MF-TT-D1450-C.dgn
07-MAR-2016 0:52
p0042226



PROFILE
HST NORTHBOUND TRACK



PROFILE
HST SOUTHBOUND TRACK

STATION	15064+00 6 8 0 2 15074+00 6 8 0 2 15084+00 6 8 0 2 15094+00 6 8 0 2 15104+00 6 8 0 2 15114+00 6 8 15120+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

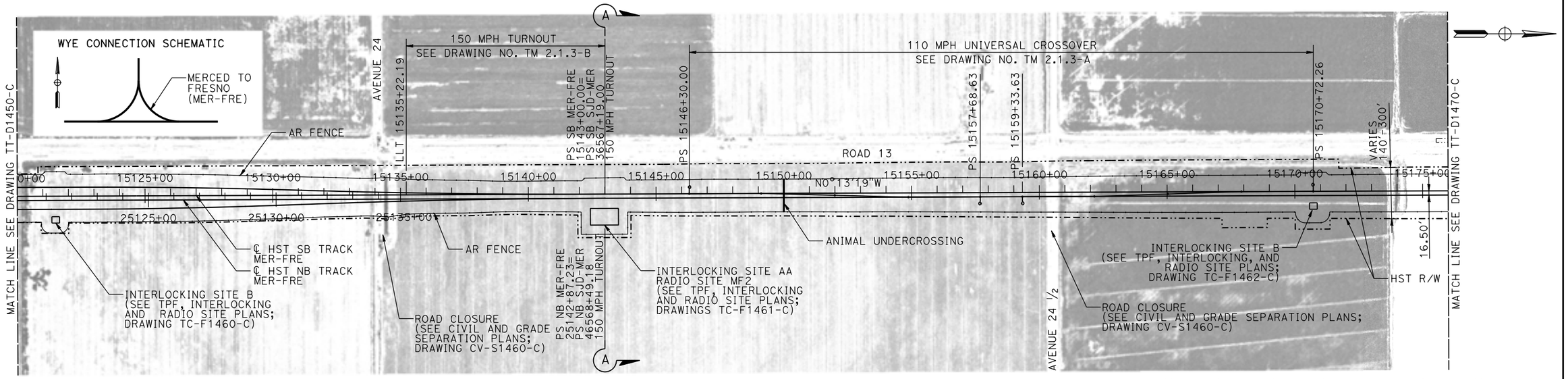
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1451-C.dgn
09-MAR-2016 8:48
p0042226

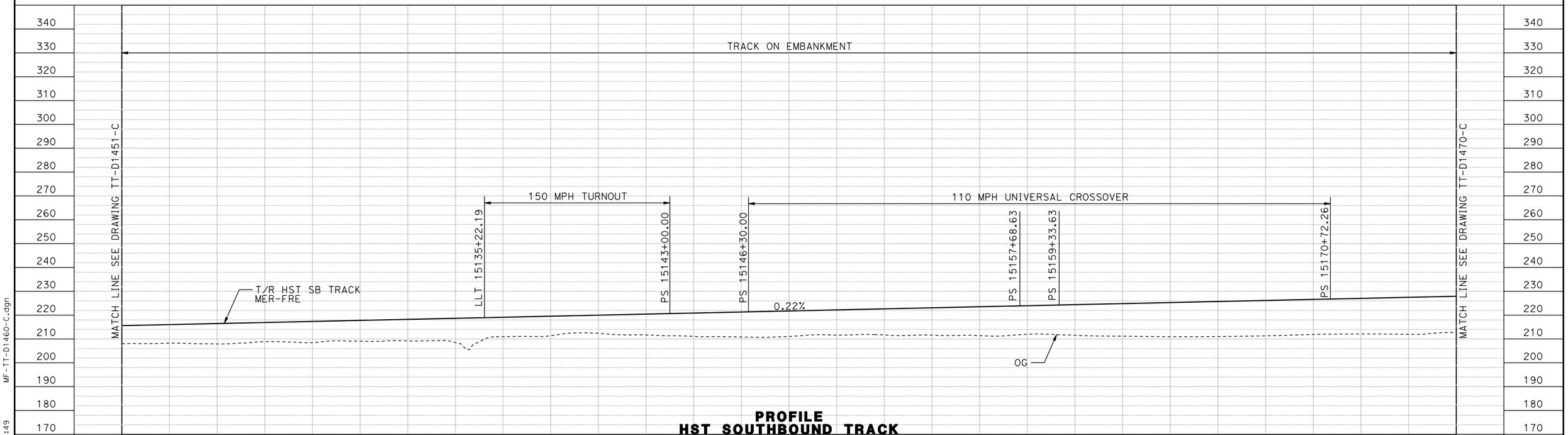
MADERA COUNTY



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 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

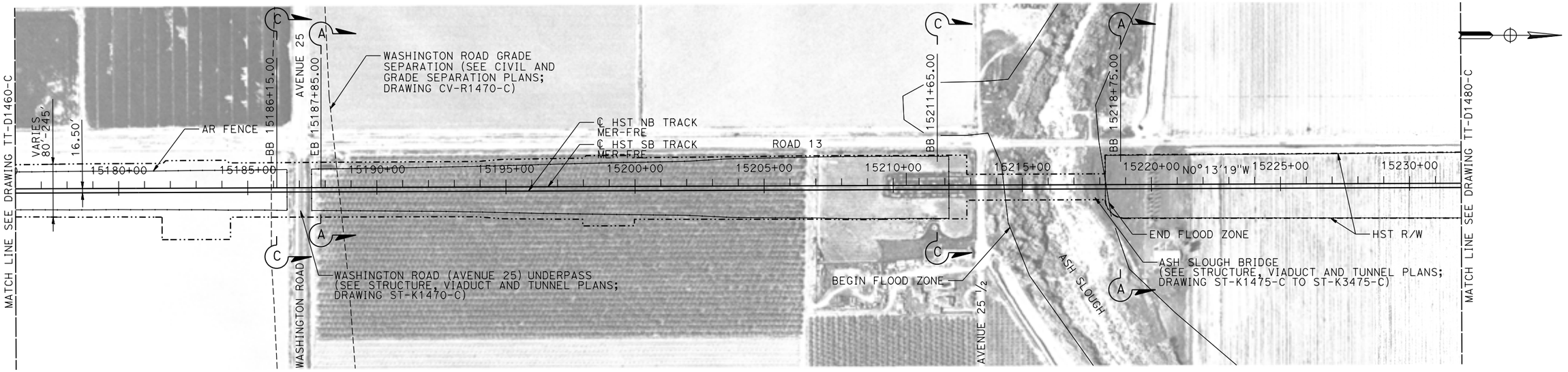
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15120+00 TO 15176+00

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

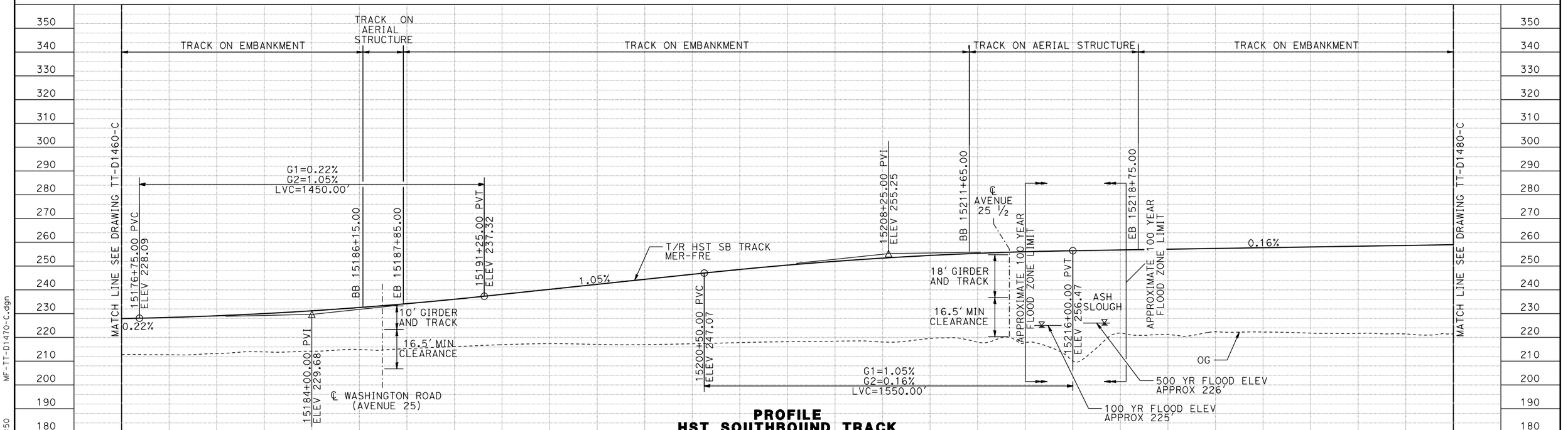
MF-TT-D1460-C.dgn
09-MAR-2016 08:49
p0042226

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 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

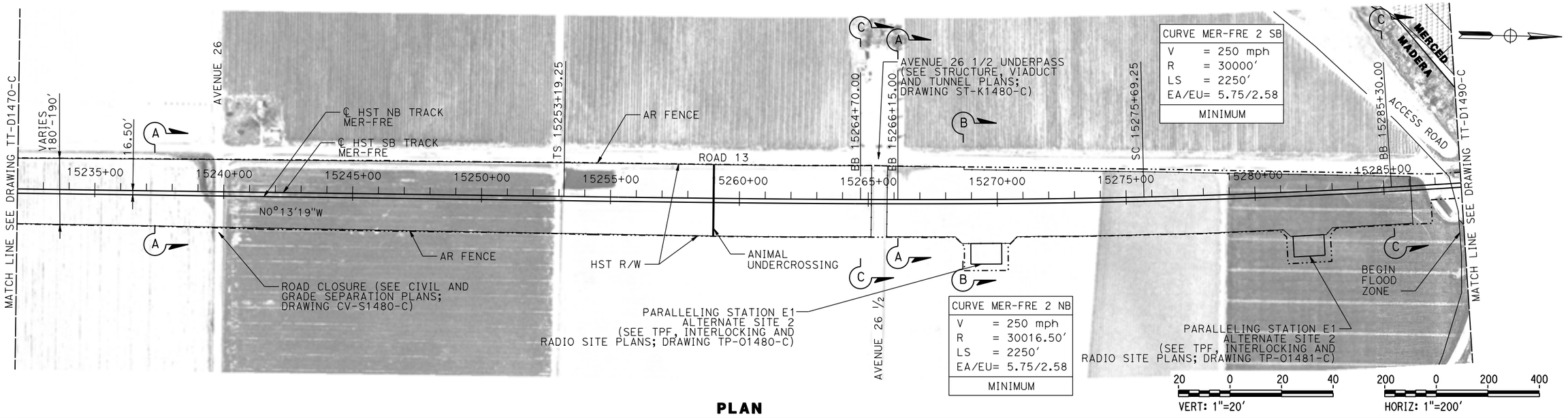
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 08:50
MF-TT-D1470-C.dgn
p0042226

MADERA COUNTY **MERCED COUNTY**



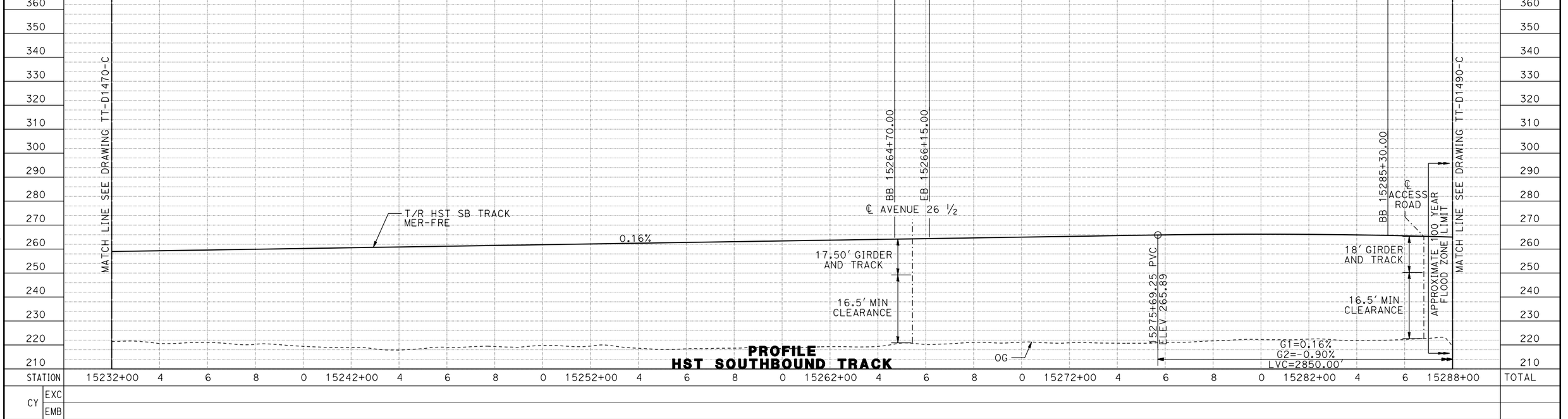
CURVE MER-FRE 2 SB	
V	= 250 mph
R	= 30000′
LS	= 2250′
EA/EU	= 5.75/2.58
MINIMUM	

CURVE MER-FRE 2 NB	
V	= 250 mph
R	= 30016.50′
LS	= 2250′
EA/EU	= 5.75/2.58
MINIMUM	

20 0 20 40 VERT: 1"=20′

200 0 200 400 HORIZ: 1"=200′

PLAN



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

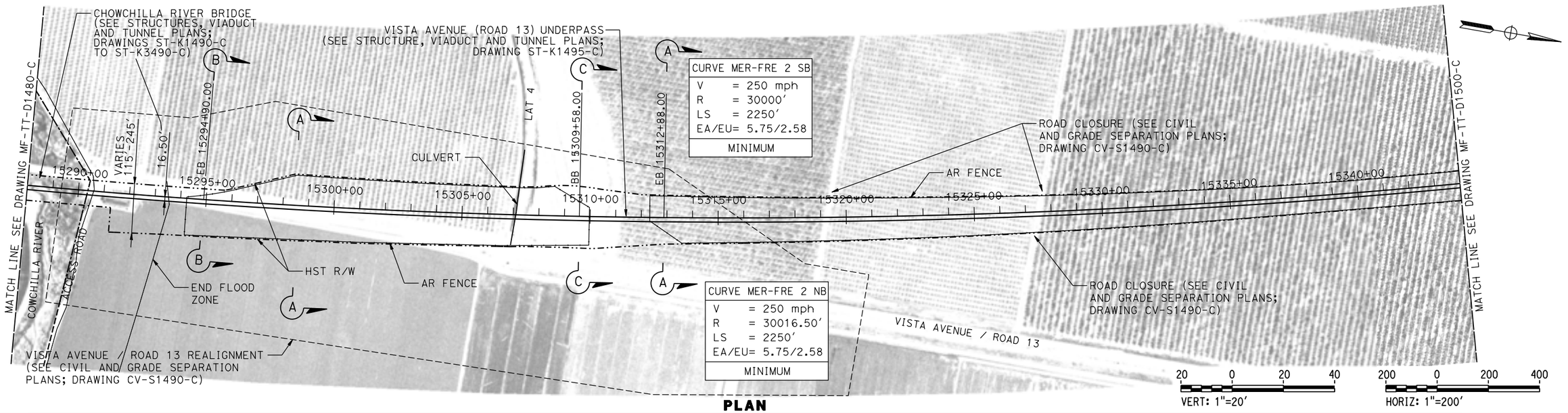
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

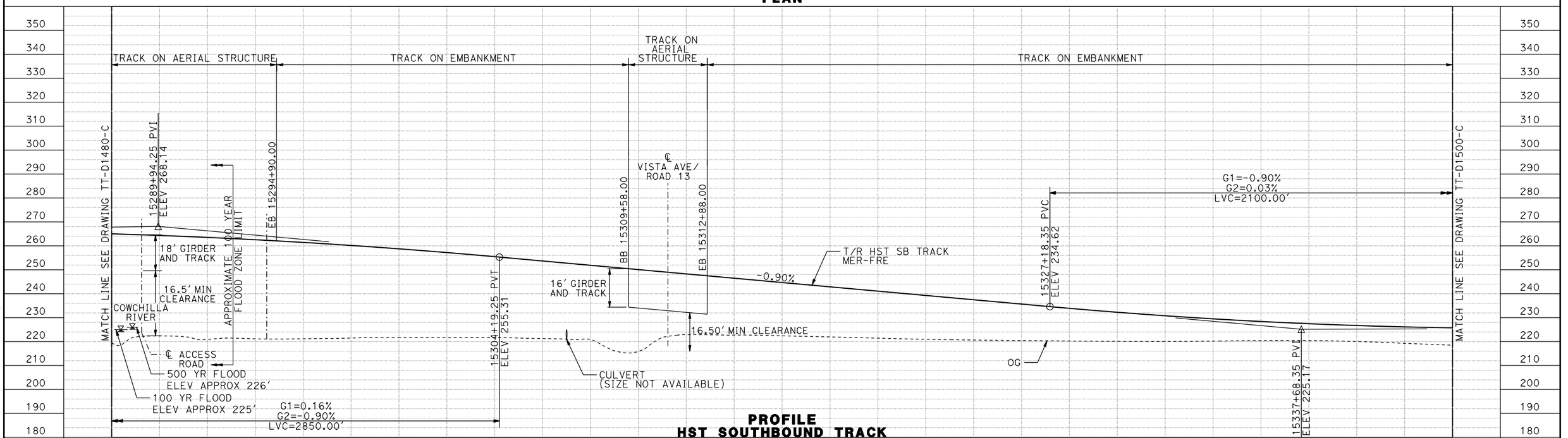
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1480-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1480-C.dgn
17-MAR-2016 11:35
p0051133A

MERCED 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

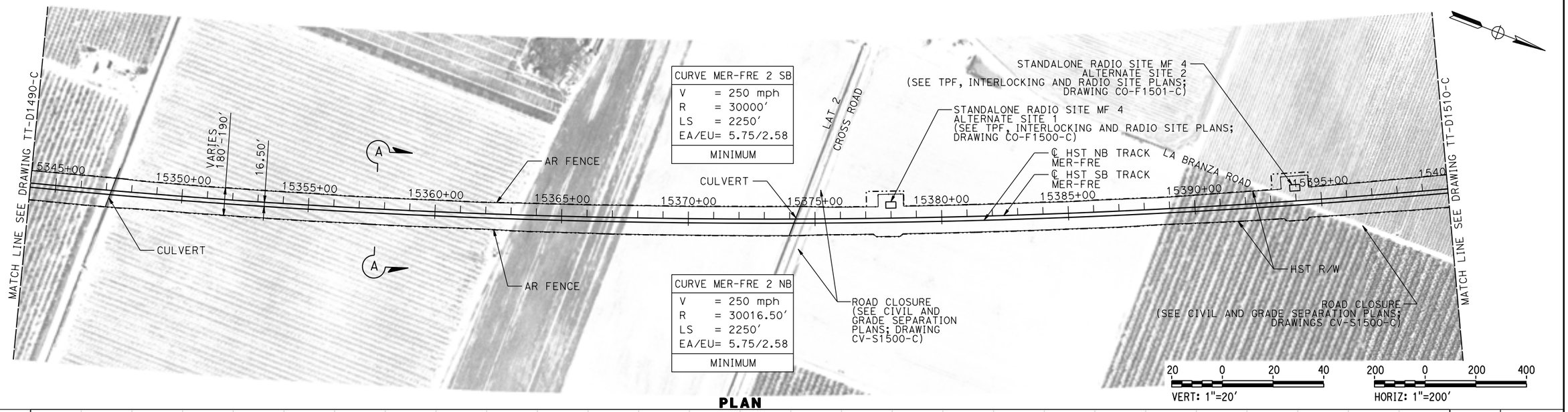
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

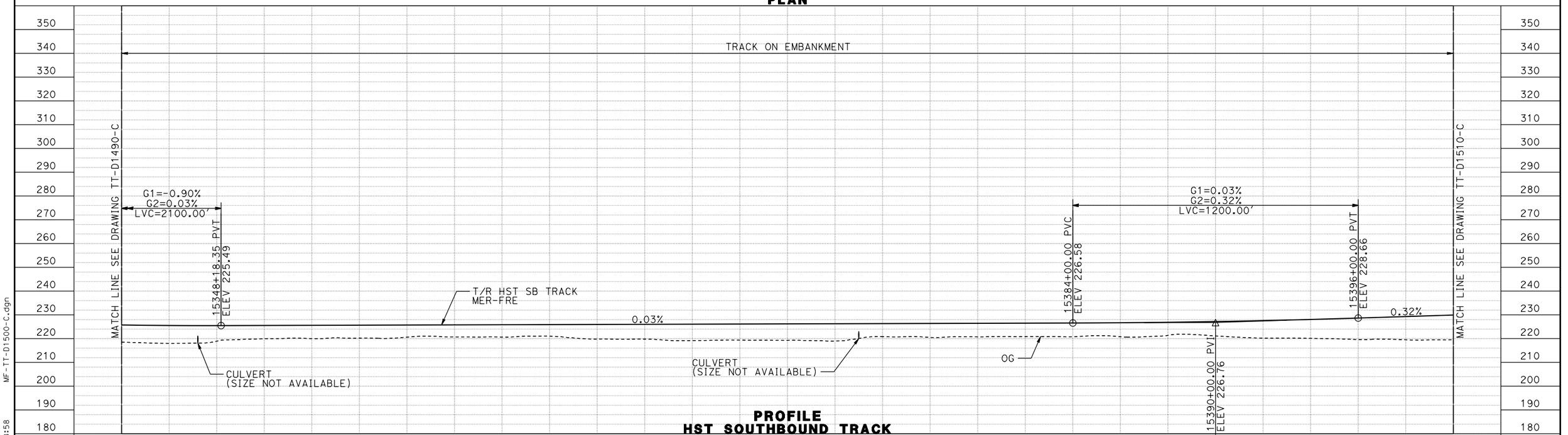
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1490-C
SCALE AS SHOWN
SHEET NO.

09-MAR-2016 08:52
MF-TT-D1490-C.dgn
p0042226

MERCED 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

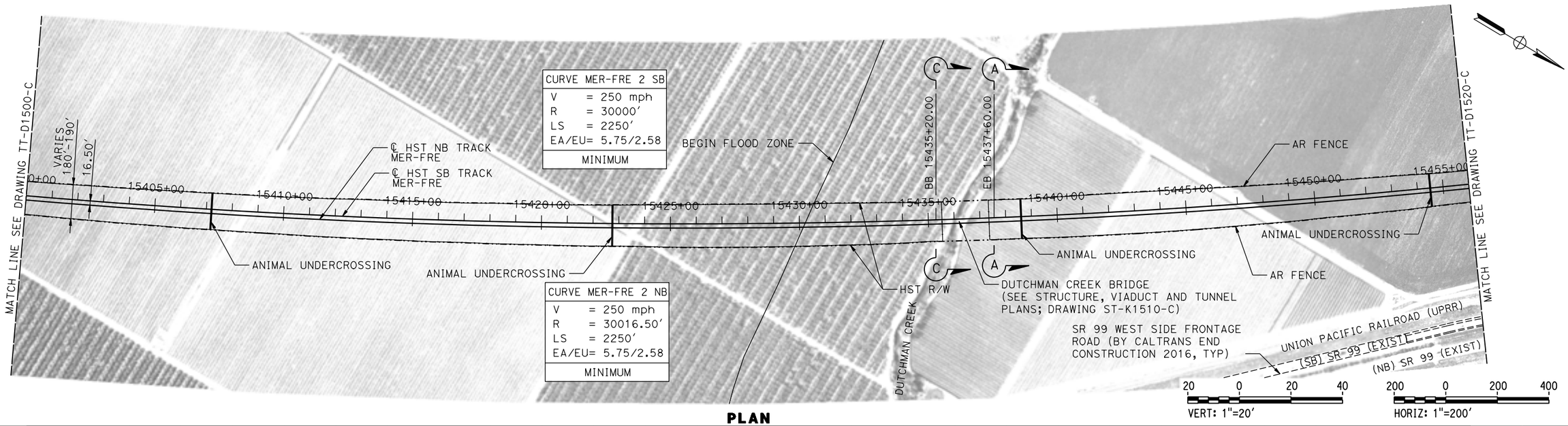
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

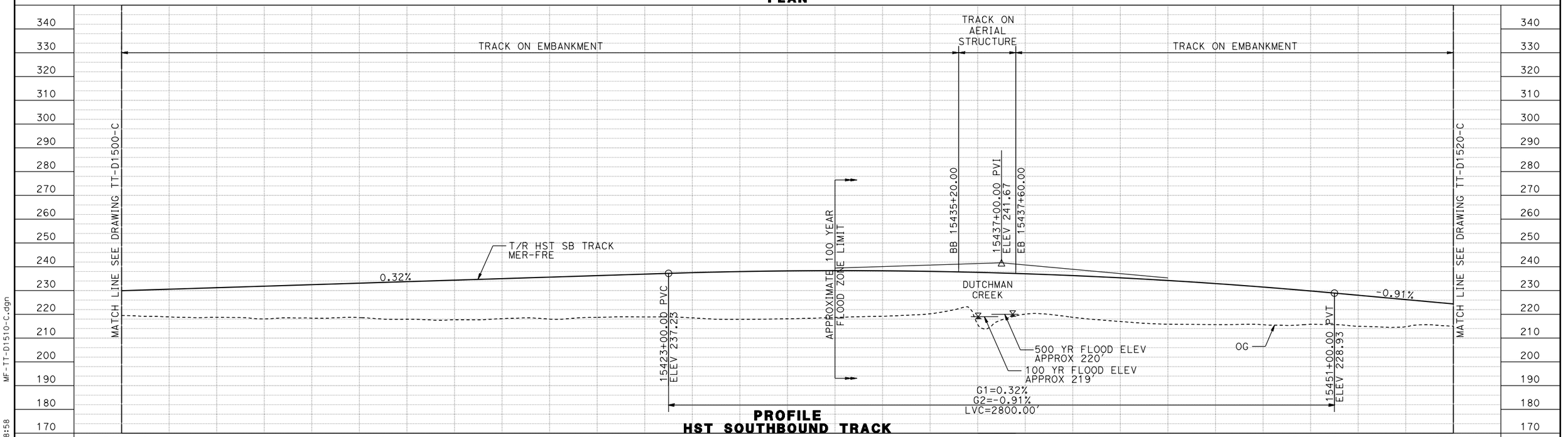
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1500-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1500-C.dgn
07-MAR-2016 08:58
p0042226

MERCED COUNTY



PLAN



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

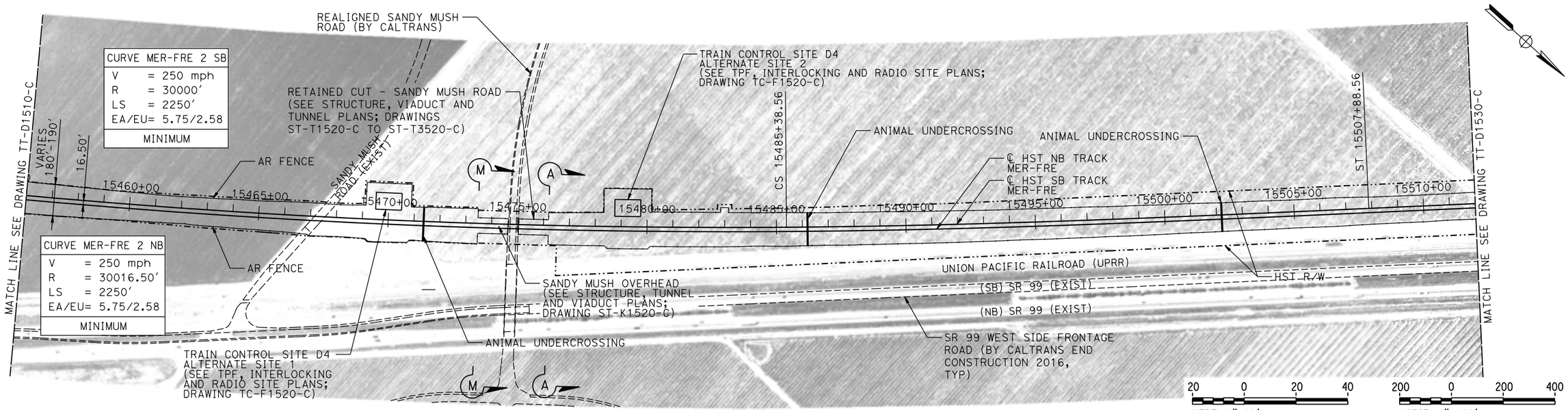
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

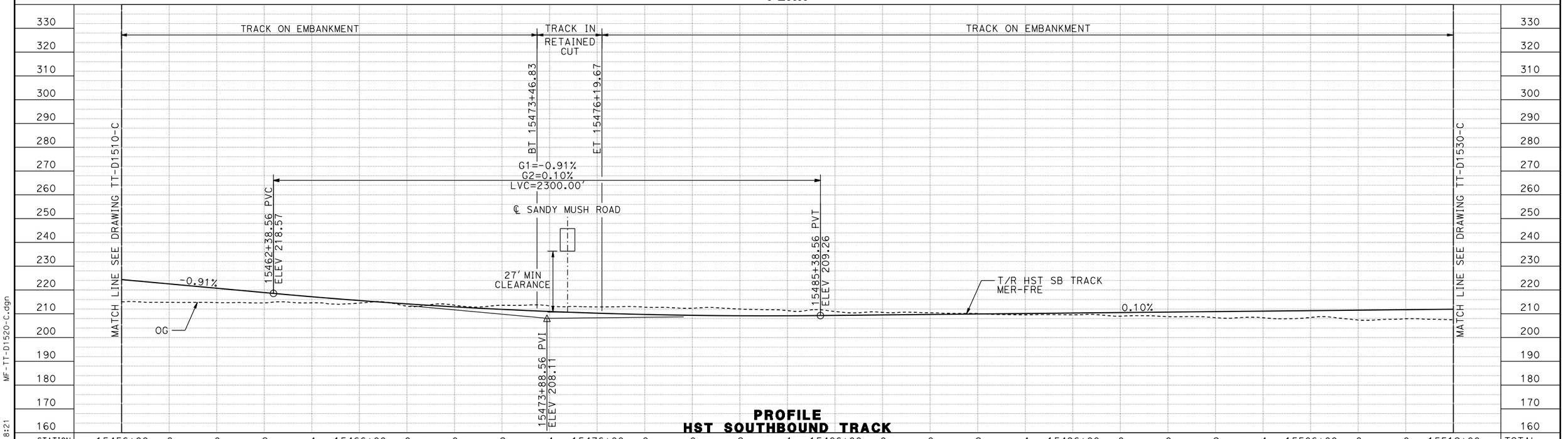
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DRAWING NO. TT-D1510-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1510-C.dgn
07-MAR-2016 08:58
p0042226

MERCED 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

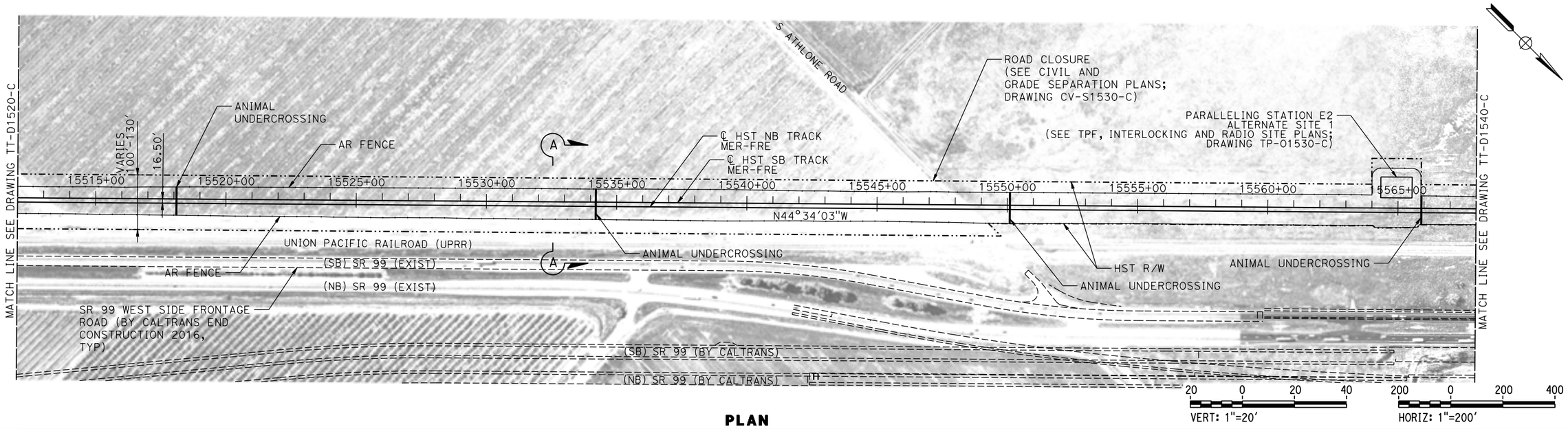
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15456+00 TO 15512+00

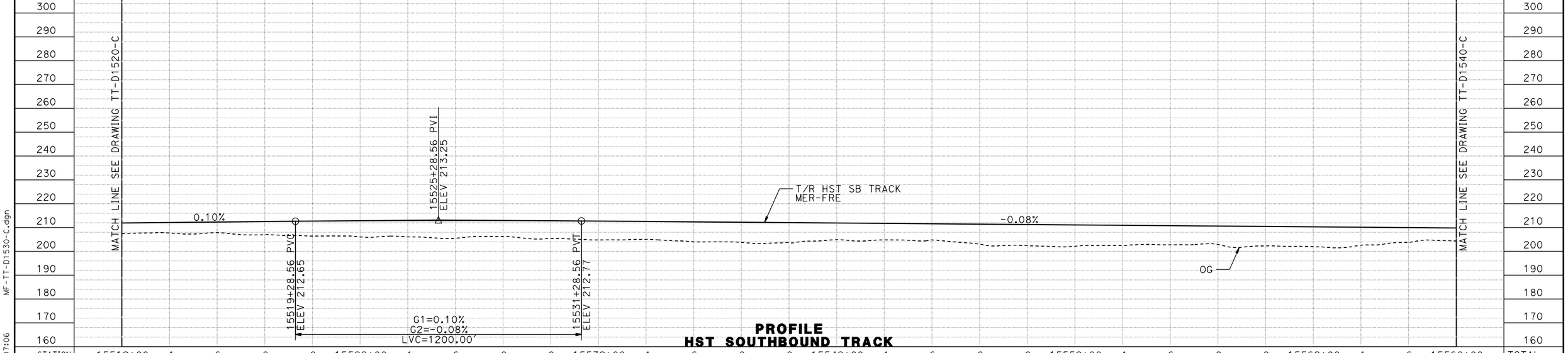
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1520-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1520-C.dgn
11-MAR-2016 8:21
p0042226

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

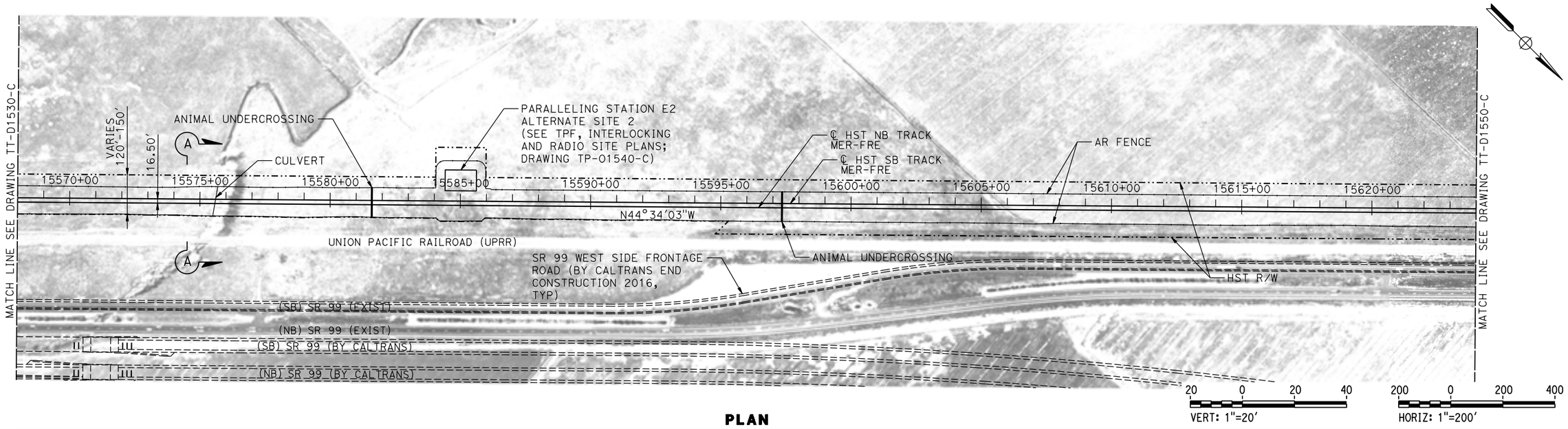
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

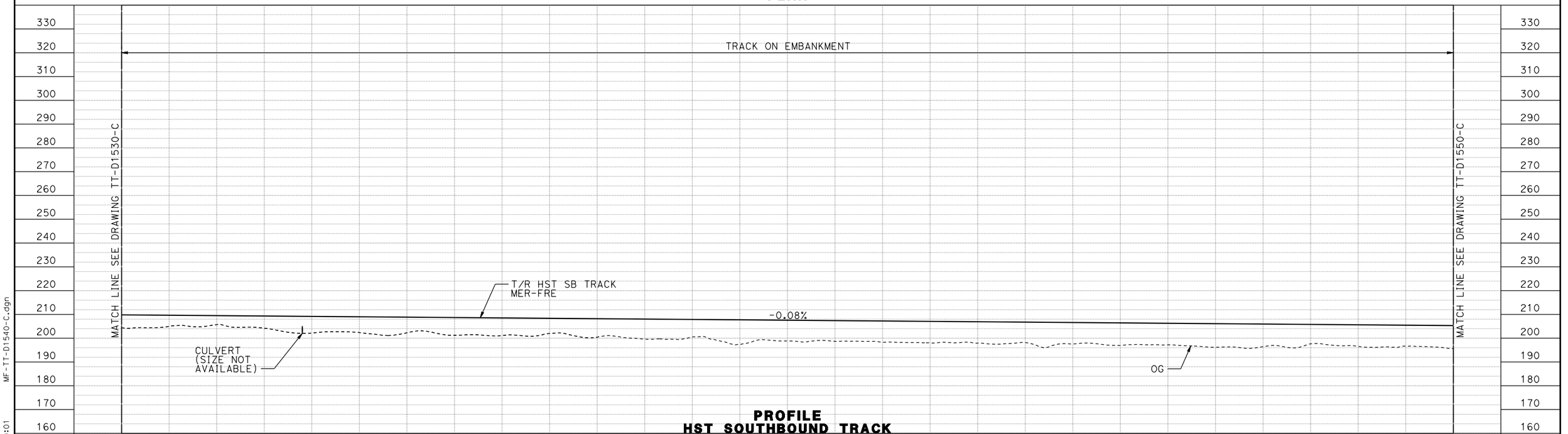
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1530-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1530-C.dgn
12-MAR-2016 07:06
p0042226

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

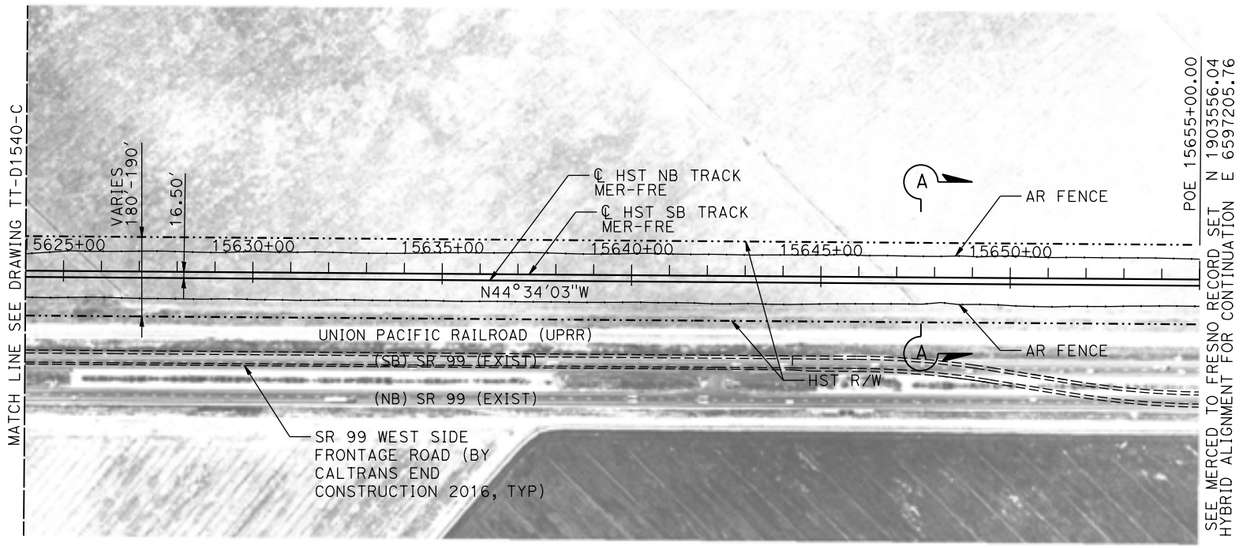
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1540-C.dgn
07-MAR-2016 09:01
p0042226

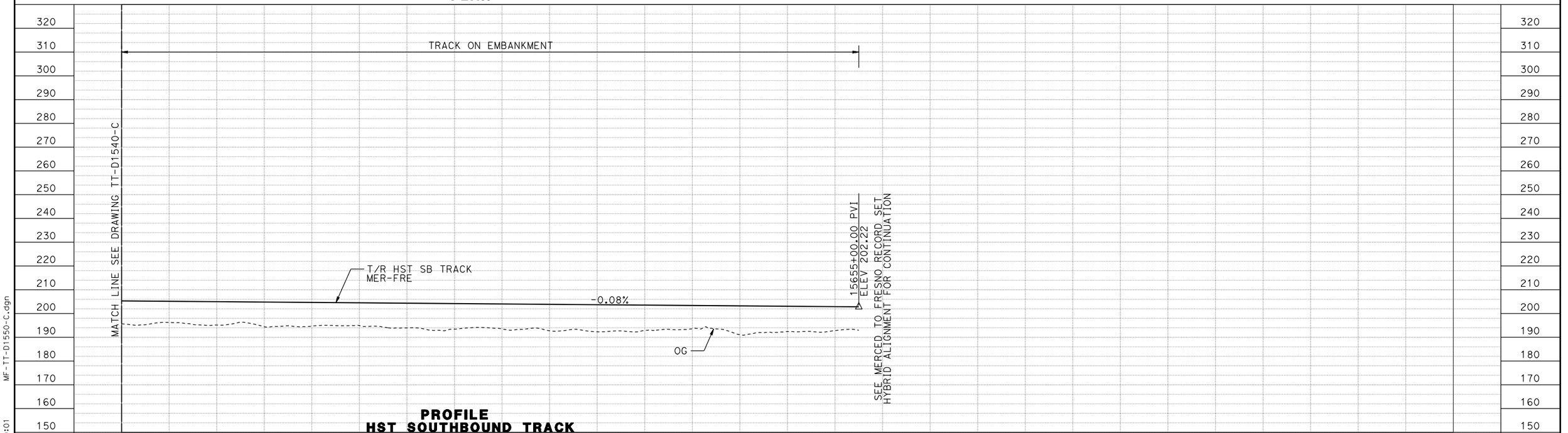
MERCED COUNTY



20 0 20 40 — VERT: 1"=20'

200 0 200 400 — HORIZ: 1"=200'

PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	15624+00	6	8	0	2	15634+00	6	8	0	2	15644+00	6	8	0	2	15654+00	6	8	0	2	15664+00	6	8	0	2	15674+00	6	8	15680+00	TOTAL
CY EXC																														
CY EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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
MER-FRE STA 15624+00 TO 15655+00

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

MF-TT-D1550-C.dgn
07-MAR-2016 09:01
p0042226

MADERA COUNTY



PLAN

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

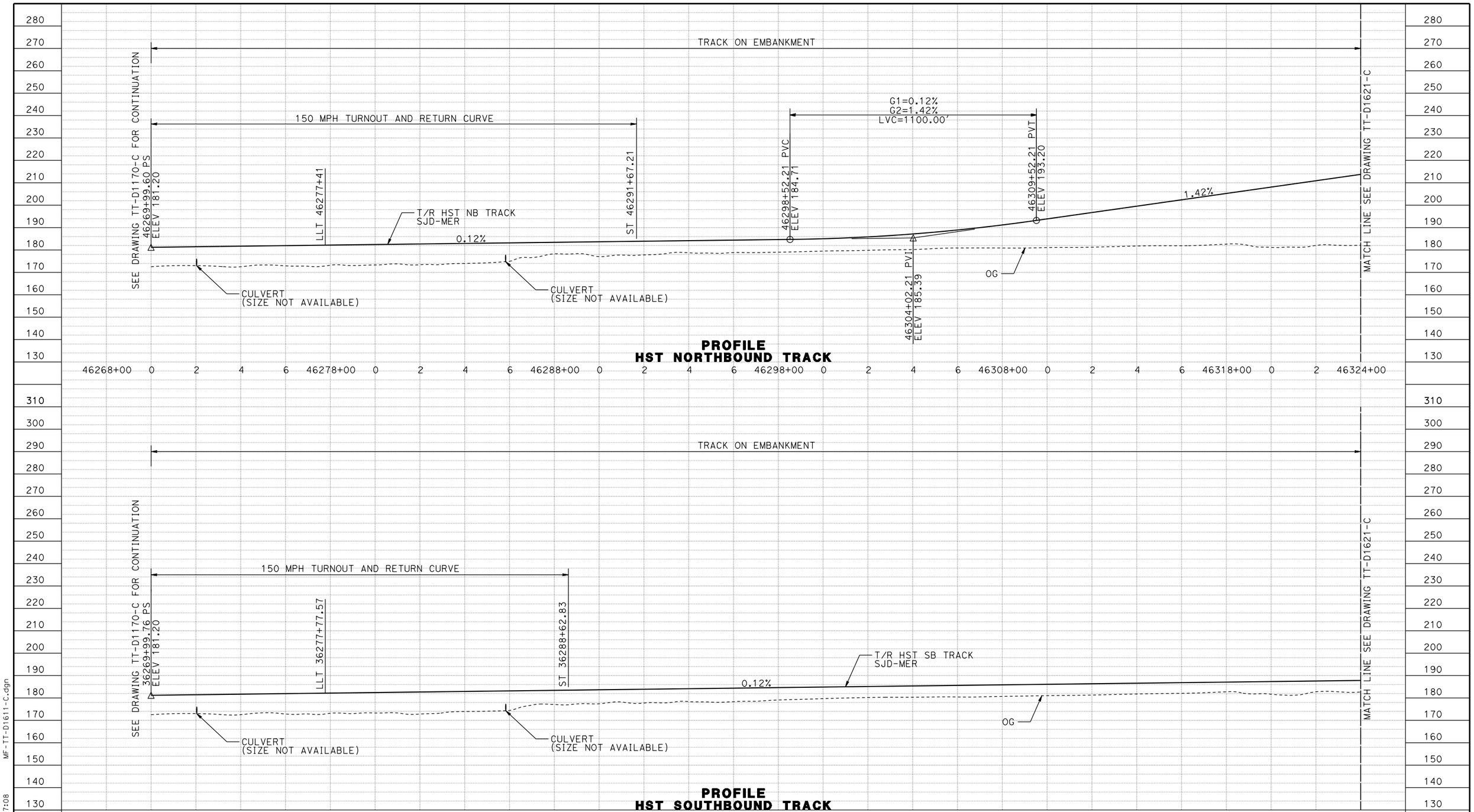
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

12-MAR-2016@7:06 WF-TT-D1610-C.dgn p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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 PROFILE
SJD-MER STA 36268+00 TO 36324+00

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

MF-TT-D1611-C.dgn
12-MAR-2016 07:08
p0042226

MADERA COUNTY



CURVE SJD-MER 1 SB	
V	= 150 mph
R	= 10300
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 mph
R	= 10376.50'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	

PLAN

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

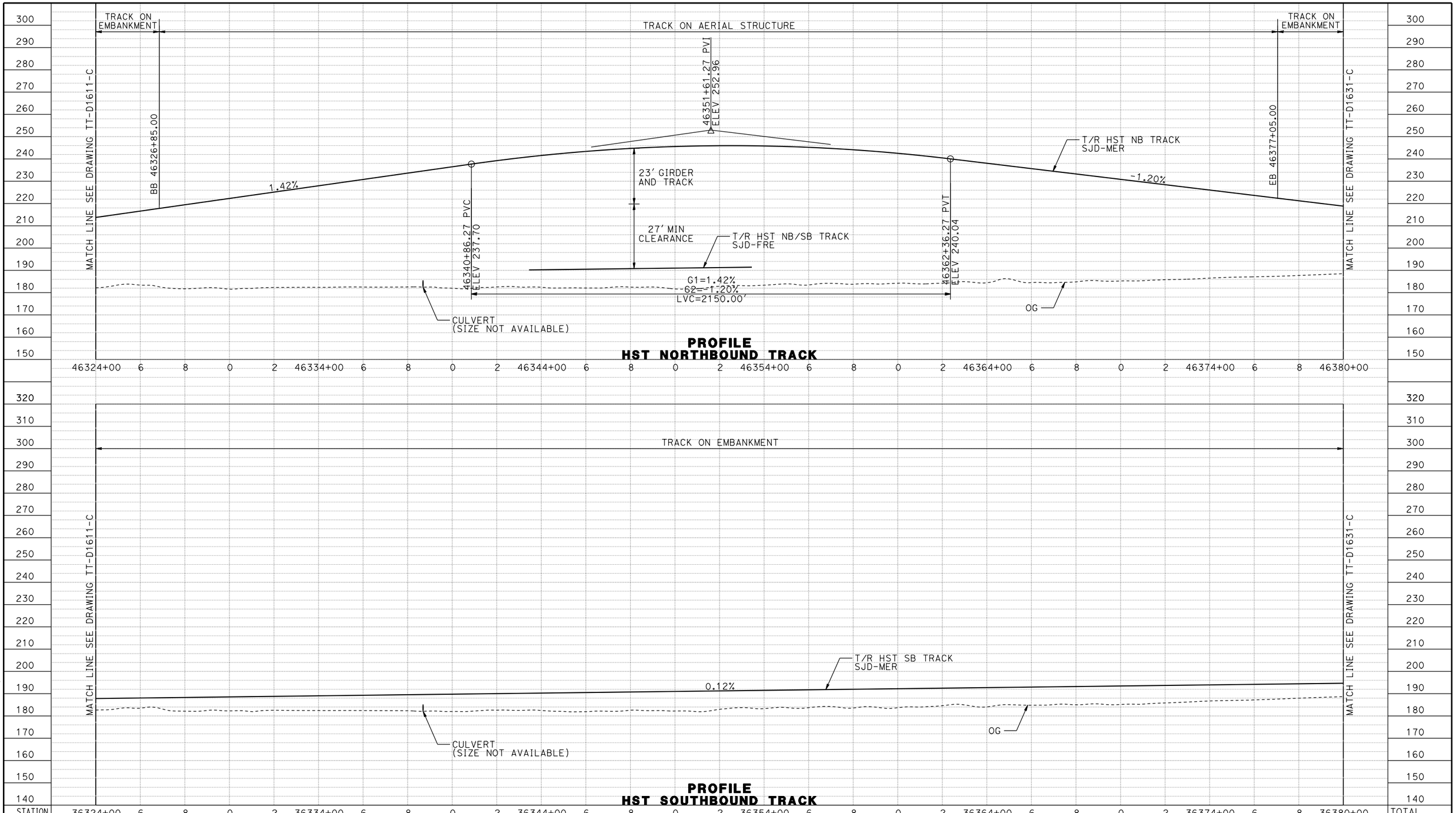
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1620-C.dgn
09-MAR-2016 08:55
p0042226



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

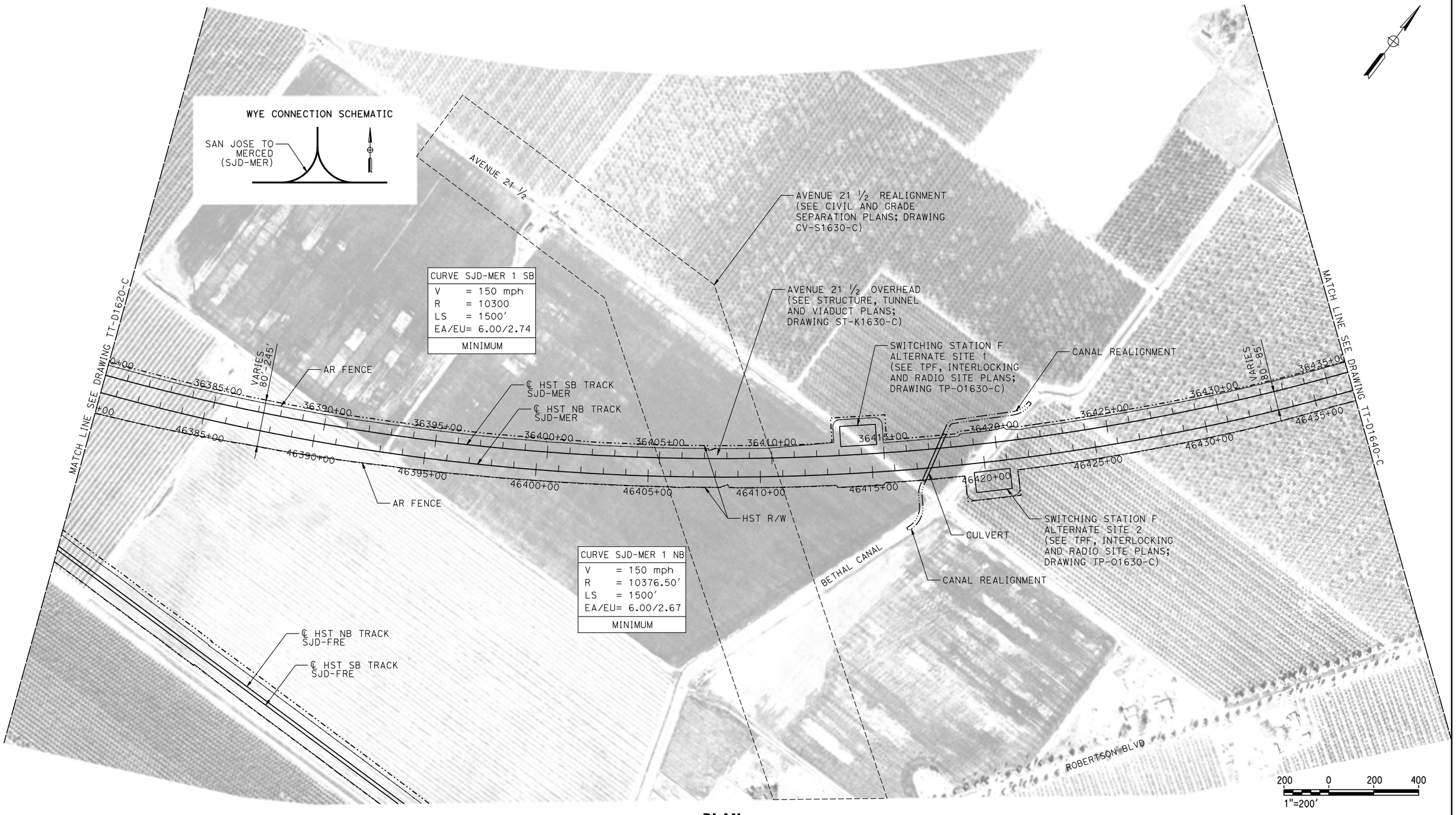
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1621-C.dgn
07-MAR-2016 09:06
p0042226

MADERA COUNTY



PLAN

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

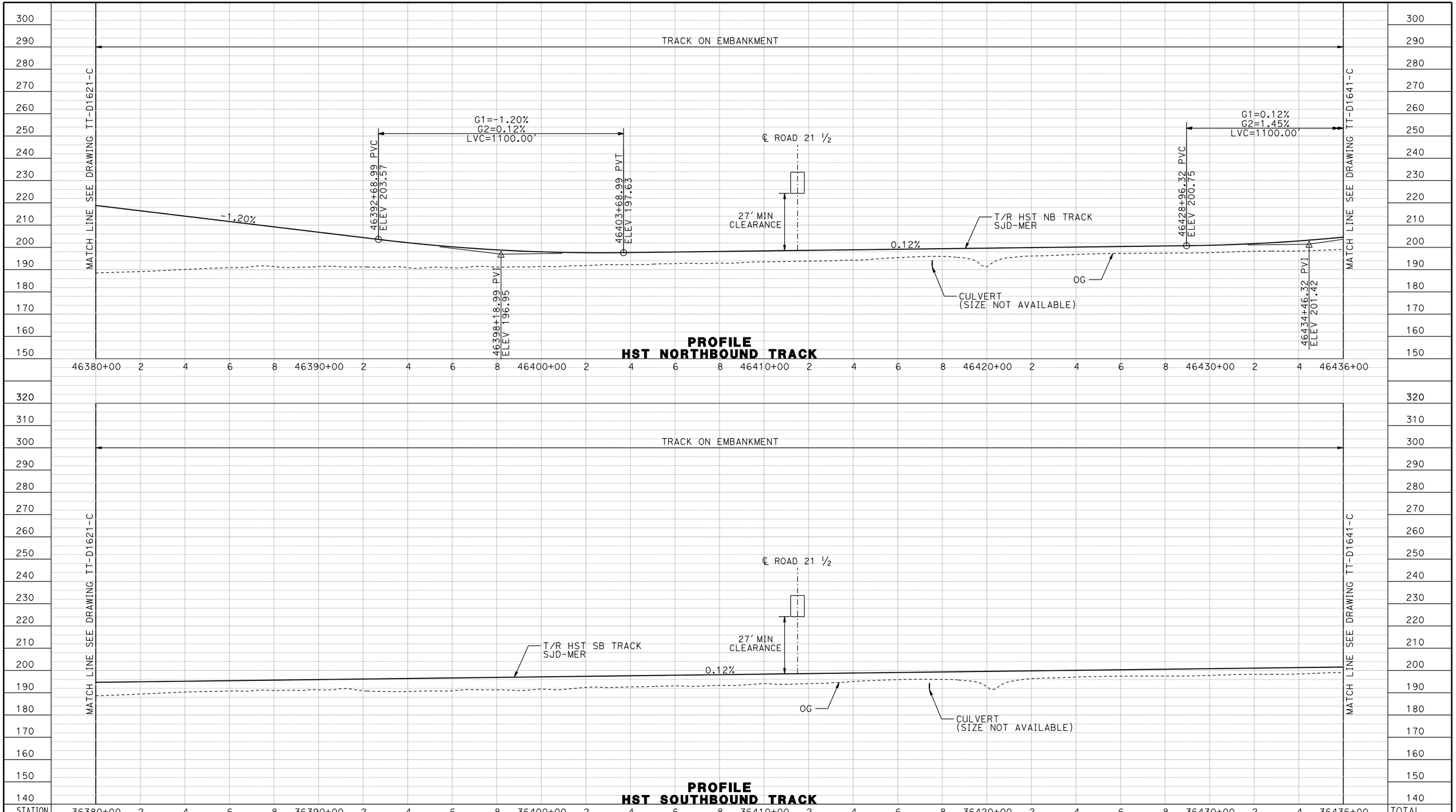
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

p005133A 17-MAR-2016 1:37 MF-TT-D1630-C.dgn



PROFILE
HST NORTHBOUND TRACK

PROFILE
HST SOUTHBOUND TRACK

STATION	36380+00 2 4 6 8 36390+00 2 4 6 8 36400+00 2 4 6 8 36410+00 2 4 6 8 36420+00 2 4 6 8 36430+00 2 4 36436+00	TOTAL
CY EXC		
CY EMB		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

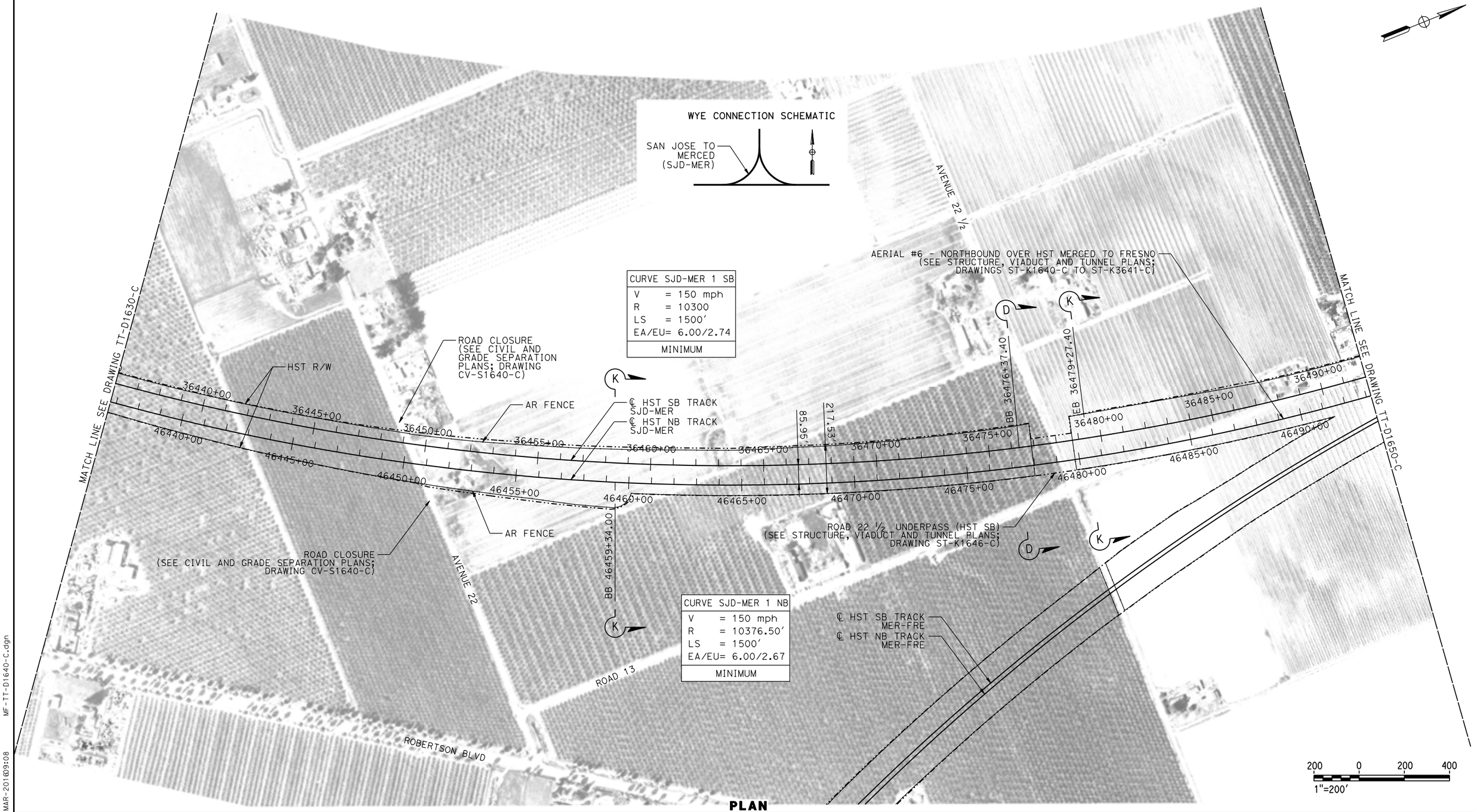
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MF-TT-D1631-C.dgn
07-MAR-2016 09:07
p0042226

MADERA COUNTY



CURVE SJD-MER 1 SB
V = 150 mph
R = 10300
LS = 1500'
EA/EU= 6.00/2.74
MINIMUM

CURVE SJD-MER 1 NB
V = 150 mph
R = 10376.50'
LS = 1500'
EA/EU= 6.00/2.67
MINIMUM

PLAN

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

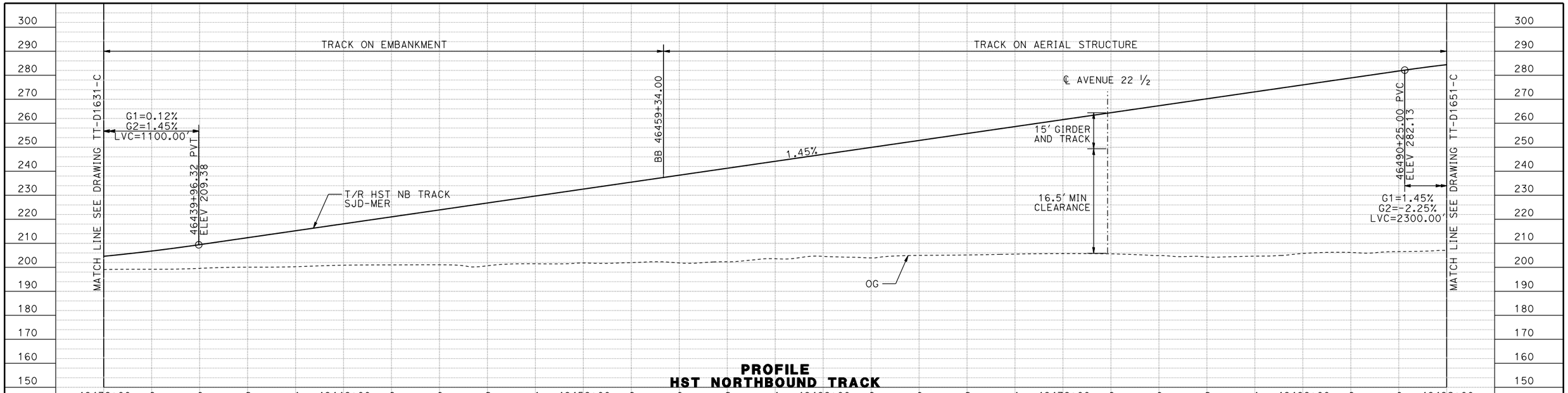
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

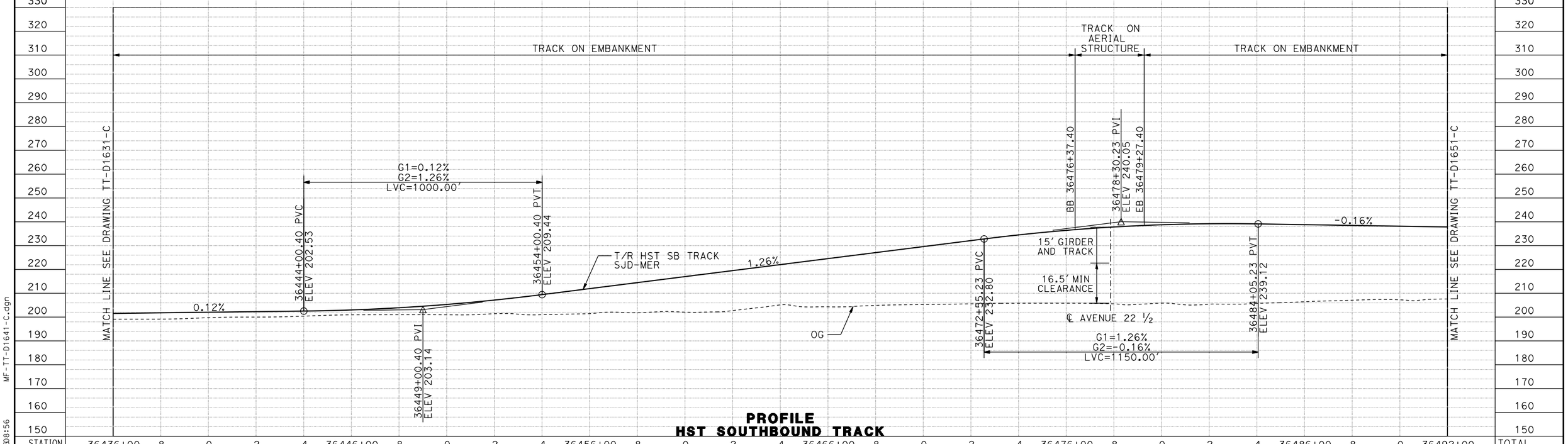
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36436+00 TO 36492+00

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

07-MAR-2016 09:08
MF-TT-D1640-C.dgn
p0042226



PROFILE
HST NORTHBOUND TRACK



PROFILE
HST SOUTHBOUND TRACK

STATION		TOTAL
CY	EXC	
	EMB	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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 PROFILE
SJD-MER 36436+00 TO 36492+00

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

MF-TT-D1641-C.dgn
09-MAR-2016 8:56
p0042226

MADERA COUNTY



PLAN

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

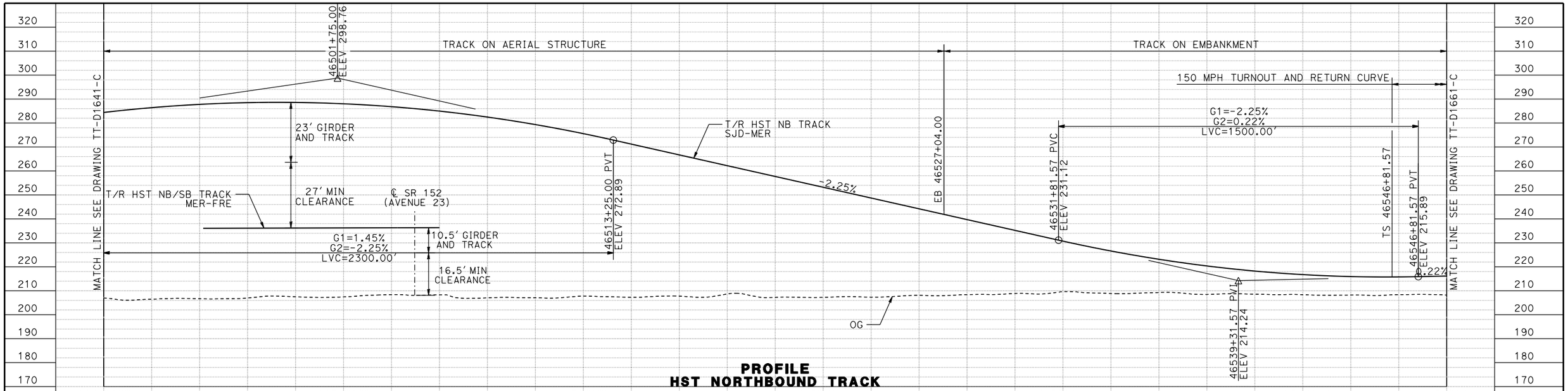
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

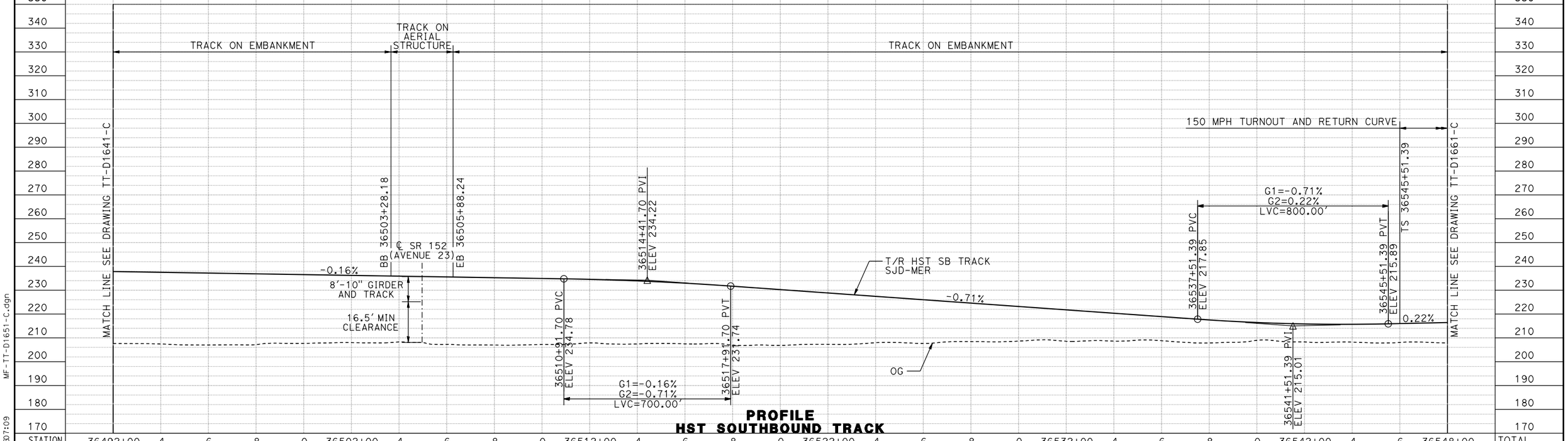
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

09-MAR-2016 08:57
WF-TT-D1650-C.dgn
p0042226





STATION	36492+00	36502+00	36512+00	36522+00	36532+00	36542+00	36548+00	TOTAL
CY EXC								
CY EMB								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

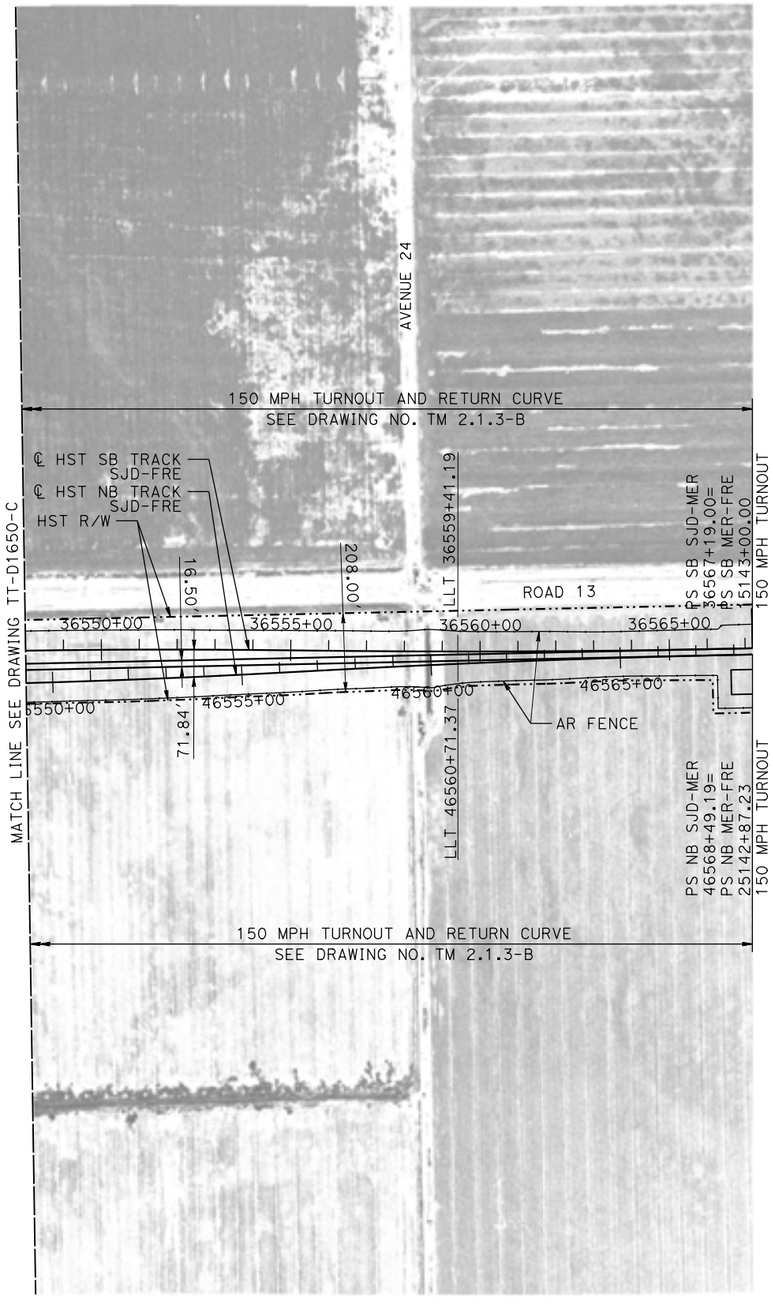
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

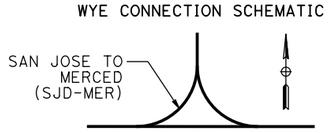
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1651-C
SCALE AS SHOWN
SHEET NO.

MF-TT-D1651-C.dgn
12-MAR-2016 07:09
p0042226

MADERA COUNTY



WYE CONNECTION SCHEMATIC



200 0 200 400
1"=200'

PLAN

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

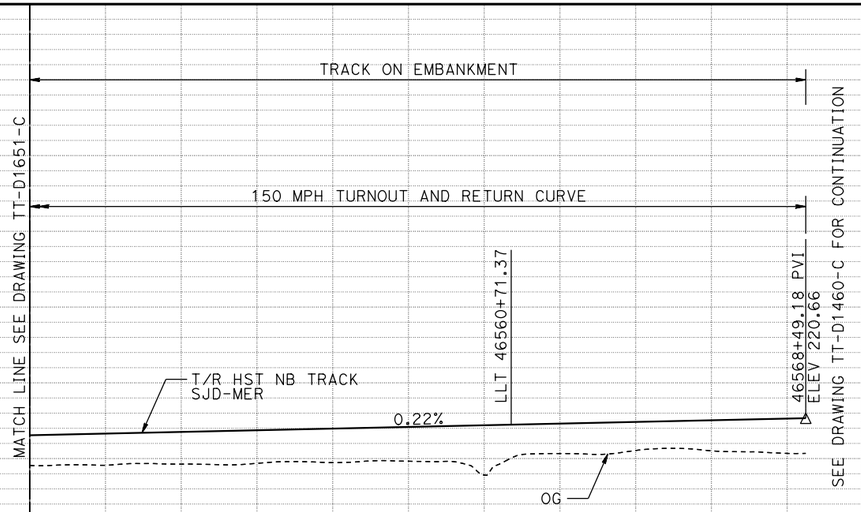
PARSONS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

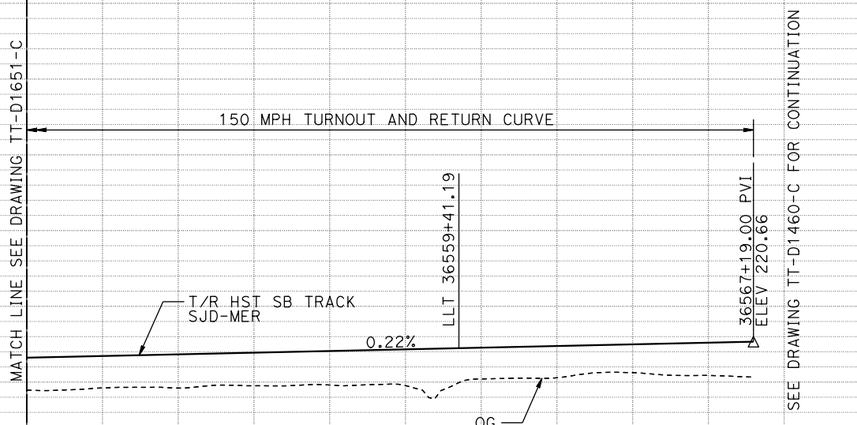
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36548+00 TO 36604+00

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

12-MAR-2016 07:10 MF-TT-D1660-C.dgn p0042226



PROFILE
HST NORTHBOUND TRACK



PROFILE
HST SOUTHBOUND TRACK

STATION	36548+00	0	2	4	6	36558+00	0	2	4	6	36568+00	0	2	4	6	36578+00	0	2	4	6	36588+00	0	2	4	6	36598+00	0	2	36604+00	TOTAL
CY EXC																													
CY EMB																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY ELVIS C.
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 PROFILE
SJD-MER STA 36548+00 TO 36604+00

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

MF-TT-D1661-C.dgn
07-MAR-2016 09:11
p0042226