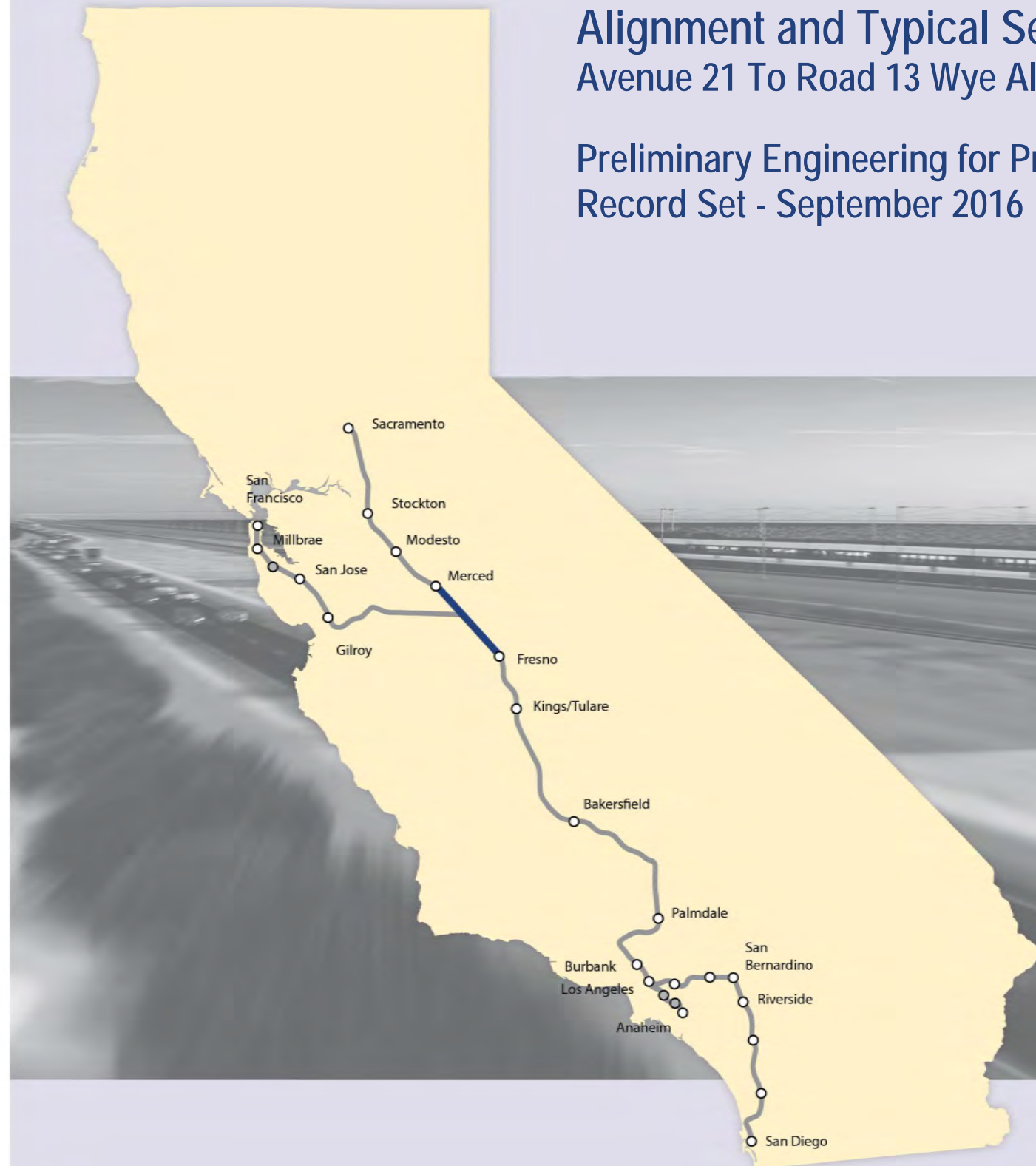


California High-Speed Rail Authority

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



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

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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 1 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0002
SCALE NO SCALE
SHEET NO.

p0066533 15-AUG-2016 4:57 MF-TT-B0003.dgn

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 2 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0003
SCALE NO SCALE
SHEET NO.

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
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
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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SHEET 3 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0004
SCALE NO SCALE
SHEET NO.

p0066533 15-AUG-2016 4:57 MF-TT-B0005.dgn

INDEX OF DRAWINGS				
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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
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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

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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 5 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0006
SCALE NO SCALE
SHEET NO.

15-AUG-2016 4:58 MF-TT-B0007.dgn

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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DRAWING NO. TT-B0007
SCALE NO SCALE
SHEET NO.

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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

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 8 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0009
SCALE NO SCALE
SHEET NO.

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INDEX OF DRAWINGS				
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

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 9 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0010
SCALE NO SCALE
SHEET NO.

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A					C CONTINUED					D CONTINUED					F CONTINUED				
AB	AGGREGATE BASE				CB	CONCRETE BARRIER				DF	DOUGLAS FIR				FIG	FIGURE			
ABBC	ASBESTOS BONDED BITUMINOUS COATED				CBW	CONCRETE BLOCK WALL				DI	DRAINAGE INLET, DROP INLET				FL	FLOW LINE			
ABM	AIR-BLOWN MORTAR				C-C	CENTER TO CENTER				DIA	DIAMETER				FNBT	FACING NORTHBOUND TRAFFIC			
ABN	ABANDON				CHSRA	CALIFORNIA HIGH SPEED RAIL AUTHORITY				DIAPH	DIAPHRAGM				FOB	FREE ON BOARD			
ABUT	ABUTMENT				CHST	CALIFORNIA HIGH SPEED TRAIN				DIST	DISTANCE, DISTRICT				FOC	FACE OF CONCRETE			
AC	ASPHALT CONCRETE				CHSR	CALIFORNIA HIGH SPEED RAIL				DMBB	DOUBLE METAL BEAM BARRIER				FR RD	FRONTAGE ROAD			
ACB	ASPHALT CONCRETE BASE				CG	CENTER OF GRAVITY				DR	DRIVE				FS	FAR SIDE, FINISHED SURFACE			
ACP	ASBESTOS CEMENT PIPE				CHNL	CHANNEL				DTBB	DOUBLE THRIE BEAM BARRIER				FSBT	FACING SOUTHBOUND TRAFFIC			
ADL	ADDED DEAD LOAD				CI	CAST IRON				DWY	DRIVEWAY				FTG	FOOTING			
ADJ	ADJUST				CIDH	CAST-IN-DRILLED-HOLE									FWBT	FACING WESTBOUND TRAFFIC			
AFES	ALTERNATIVE FLARED END SECTION				CIP	CAST-IN-PLACE, CAST IRON PIPE									FWY	FREEWAY			
AHD	AHEAD																		
ALT	ALTERNATE																		
AM	TIME FROM MIDNIGHT TO NOON				CIPCP	CAST IN PLACE CONCRETE PIPE				E	EAST				G	GRADE, ACCELERATION DUE TO GRAVITY			
AP	ALTERNATIVE PIPE				CISS	CAST-IN-STEEL-SHELL				EA	ACTUAL SUPERELEVATION								
APC	ALTERNATIVE PIPE CULVERT				CJP	COMPLETE JOINT PENETRATION				EASE	EASEMENT				GA	GAGE			
APPROX	APPROXIMATE				CL	CHAIN LINK				EB	END OF BRIDGE, EASTBOUND				GALV	GALVANIZED			
APU	ALTERNATIVE PIPE UNDERDRAIN				CL-6	CHAIN LINK FENCE (6 FT)				EC	END HORIZONTAL CURVE				GP	GRADING PLANE			
ARS	ACCELERATION RESPONSE SPECTRUM				CL	CLASS				ED	END CURB RETURN				GR	GUARD RAILING			
AS	AGGREGATE SUBBASE				CLR	CLEAR, CLEARANCE				EDC	EDGE DRAIN				GSP	GALVANIZED STEEL PIPE			
ASRP	ALUMINUM SPIRAL RIB PIPE									EDV	EDGE DRAIN CLEANOUT				GTR	GUTTER			
ASSY	ASSEMBLY				CM	CORRUGATED METAL				EDO	EDGE DRAIN OUTLET								
ATPB	ASPHALT TREATED PERMEABLE BASE				CMP	CORRUGATED METAL PIPE				EDV	EDGE DRAIN VENT								
ATPM	ASPHALT TREATED PERMEABLE MATERIAL				CO	COUNTY				ELEC	ELECTROLIER				H	HEIGHT			
AVE	AVENUE				COL	COLUMN				ELECT	ELECTRIC				H, HR	HOUR			
AVG	AVERAGE				CONC	CONCRETE				ELEV	ELEVATION				HD	HORIZONTAL DRAIN			
@	AT				COND	CONDUIT				EMB	EMBANKMENT				HDWL	HEADWALL			
					CONN	CONNECTOR				ENGR	ENGINEER				HEX HD	HEXAGONAL HEAD			
					CONST	CONSTRUCT, CONSTRUCTION				EOD	EDGE OF DECK				HMA	HOT MIXED ASPHALT			
BAGR	BRIDGE APPROACH GUARD RAILING									EP	EDGE OF PAVEMENT				HORIZ	HORIZONTAL			
BB	BEGINNING OF BRIDGE				CONT	CONTINUOUS				EQ	EQUATION				HP	HINGE POINT, HORSEPOWER			
B-B	BACK-TO-BACK				COORD	COORDINATE				ES	EDGE OF SHOULDER				HPS	HIGH PERFORMANCE STEEL			
BC	BEGIN HORIZONTAL CURVE				CP	CANDLEPOWER				ETW	EDGE OF TRAVELED WAY				HS	HIGH STRENGTH			
BCR	BEGIN CURB RETURN				CR	CREEK				EU	UNBALANCED SUPERELEVATION				HST	HIGH SPEED TRAIN			
BEG	BEGIN				CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT				EVC	END VERTICAL CURVE				HSR	HIGH SPEED RAIL			
BIT CTD	BITUMINOUS COATED				CRSP	CONCRETED ROCK SLOPE PROTECTION				EW	ENDWALL				HW	HEADWALL, HIGH WATER			
BK	BACK				CS	CURVE SPIRAL POINT				EXC	EXCAVATION				HWM	HIGH WATER MARK			
BKF	BACKFILL				CSP	CORRUGATED STEEL PIPE				EXIST, (E)	EXISTING				HWY	HIGHWAY			
BLDG	BUILDING				CSPA	CORRUGATED STEEL PIPE ARCH				EXP	EXPANSION, EXPRESSWAY								
BLM	BRIDGE-LOG MILE				CTB	CEMENT TREATED BASE				EXP JT	EXPANSION JOINT				IB	IMPORTED BORROW			
BLVD	BOULEVARD				CTPB	CEMENT TREATED PERMEABLE BASE				EXT	EXTERIOR				ID	INSIDE DIAMETER			
BM	BENCH MARK				CTPM	CEMENT TREATED PERMEABLE MATERIAL									IF	INSIDE FACE			
BOT	BOTTOM				CTRS	CENTERS									INT	INTERIOR			
BR	BRIDGE				CULV	CULVERT									INV	INVERT			
BRG	BEARING				℄	CENTERLINE									IRR	IRRIGATION			
BTU	BRITISH THERMAL UNIT																		
BVC	BEGIN VERTICAL CURVE																		
BW	BARBED WIRE																		
	</																		

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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, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POB	POINT OF BEGINNING
POC	POINT OF HORIZONTAL CURVE
POE	POINT OF END
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	POINT OF SWITCH, PRESTRESSED, PARALLELING STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE

P CONTINUED	
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
Q	
R	
QTY	QUANTITY
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT-OF-WAY
RWY	RAILWAY
S	
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION, SPIRAL CURVE POINT
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND, SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SJD	SAN JOSE DIRIDON STATION

S CONTINUED	
SJM	SAN JOSE TO MERCED
SJV	SAN JOAQUIN VALLEY
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SR	STATE ROUTE
SRS	STANDALONE RADIO SITE
SS	SLOPE STAKE, SUBSTATION
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
ST	STREET, SPIRAL TANGENT POINT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES
T	
T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBD	TO BE DETERMINED
TBR	TIMBER
TC	TOP OF CURB, TRAIN CONTROL
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TO	TURNOUT
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPF	TRACTION POWER FACILITY
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUBSTATION
T/R	TOP OF RAIL
TRANS	TRANSITION
TRK	TRACK

T CONTINUED	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT SPIRAL POINT
TYP	TYPICAL
U	
UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
UXO	UNIVERSAL CROSSOVER
V	
V	DESIGN SPEED, VALVE
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME
W	
W	WEST, WIDTH
WB	WESTBOUND
WCB	WORLD COORDINATE BEARING
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
X	
X SEC	CROSS SECTION
XING	CROSSING
XO	CROSSOVER
Y	
YR	YEAR
YRS	YEARS

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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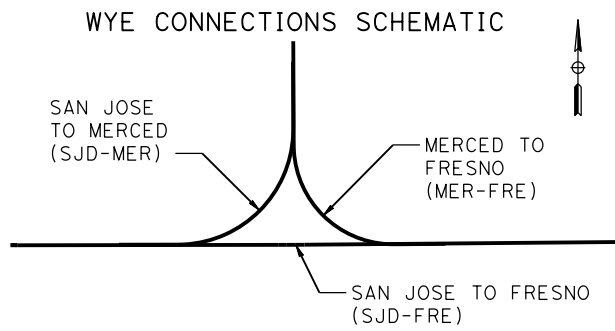
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 2 OF 2

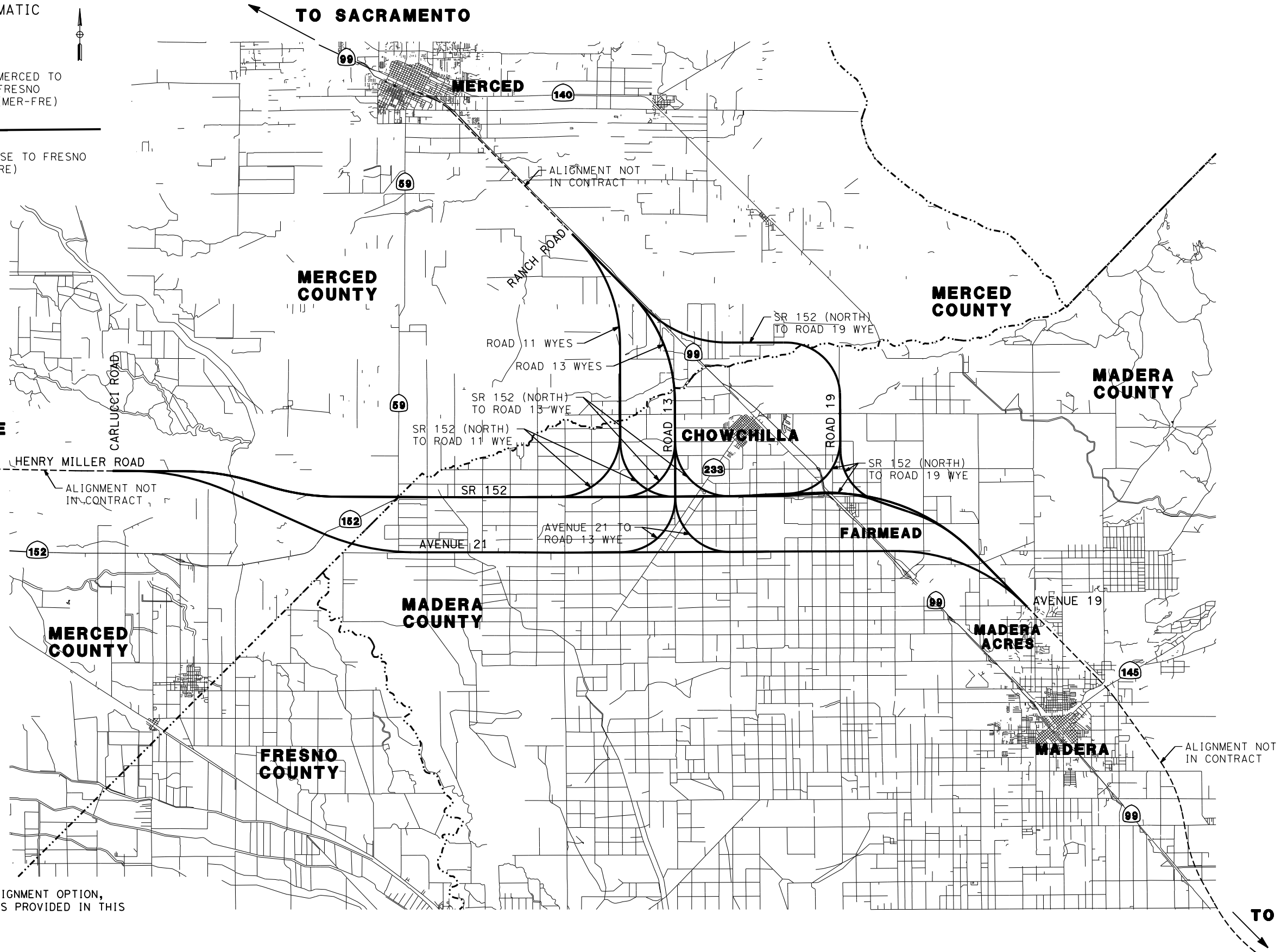
CONTRACT NO. HSR08-05
DRAWING NO. TT-B0012
SCALE NO SCALE
SHEET NO.



TO SAN JOSE

TO SACRAMENTO

TO FRESNO



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

DESIGNED BY
C. LEMLEY
DRAWN BY
J. KIDWELL
CHECKED BY
A. M.
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
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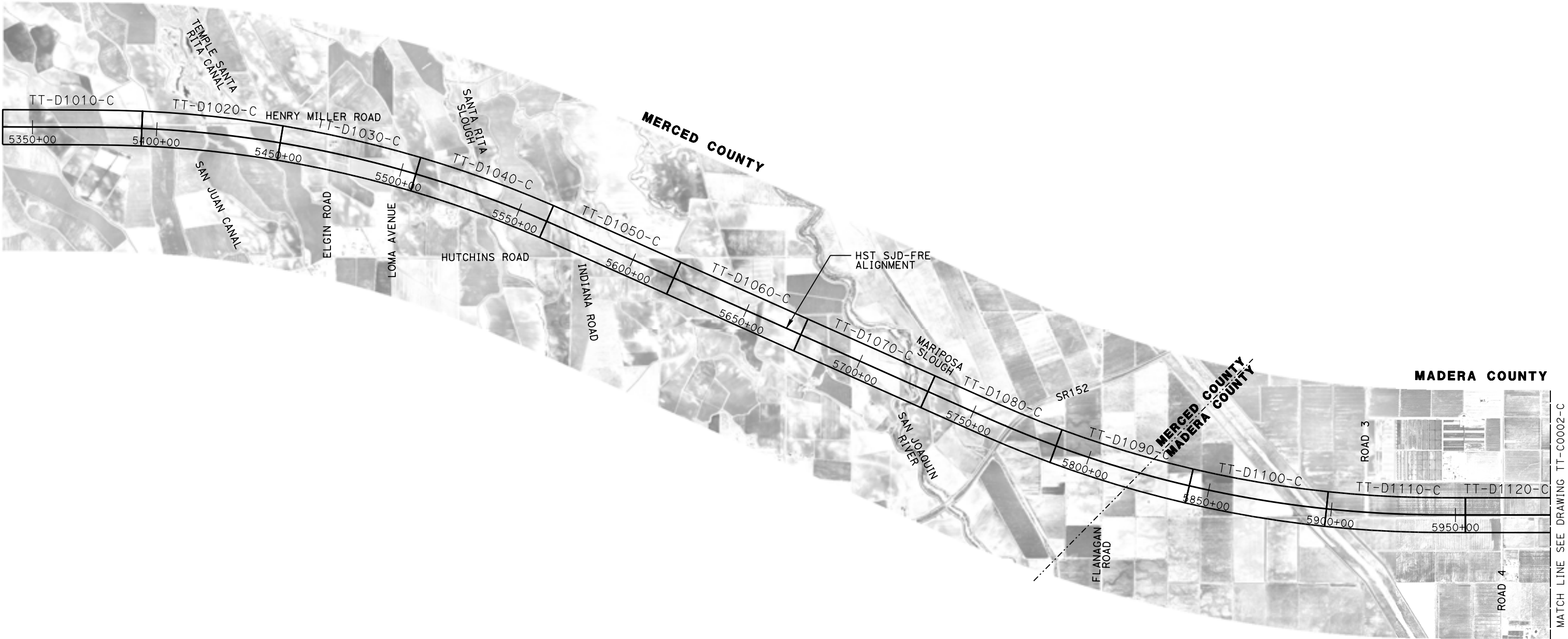


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

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

p0042226 07-MAR-2016 10:17:57 MF-TT-C0001-C.dgn

SEE SAN JOSE TO MERCED SECTION FOR CONTINUATION



MATCH LINE SEE DRAWING TT-C0002-C

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IN CHARGE C. LEMLEY
DATE 03/18/2016

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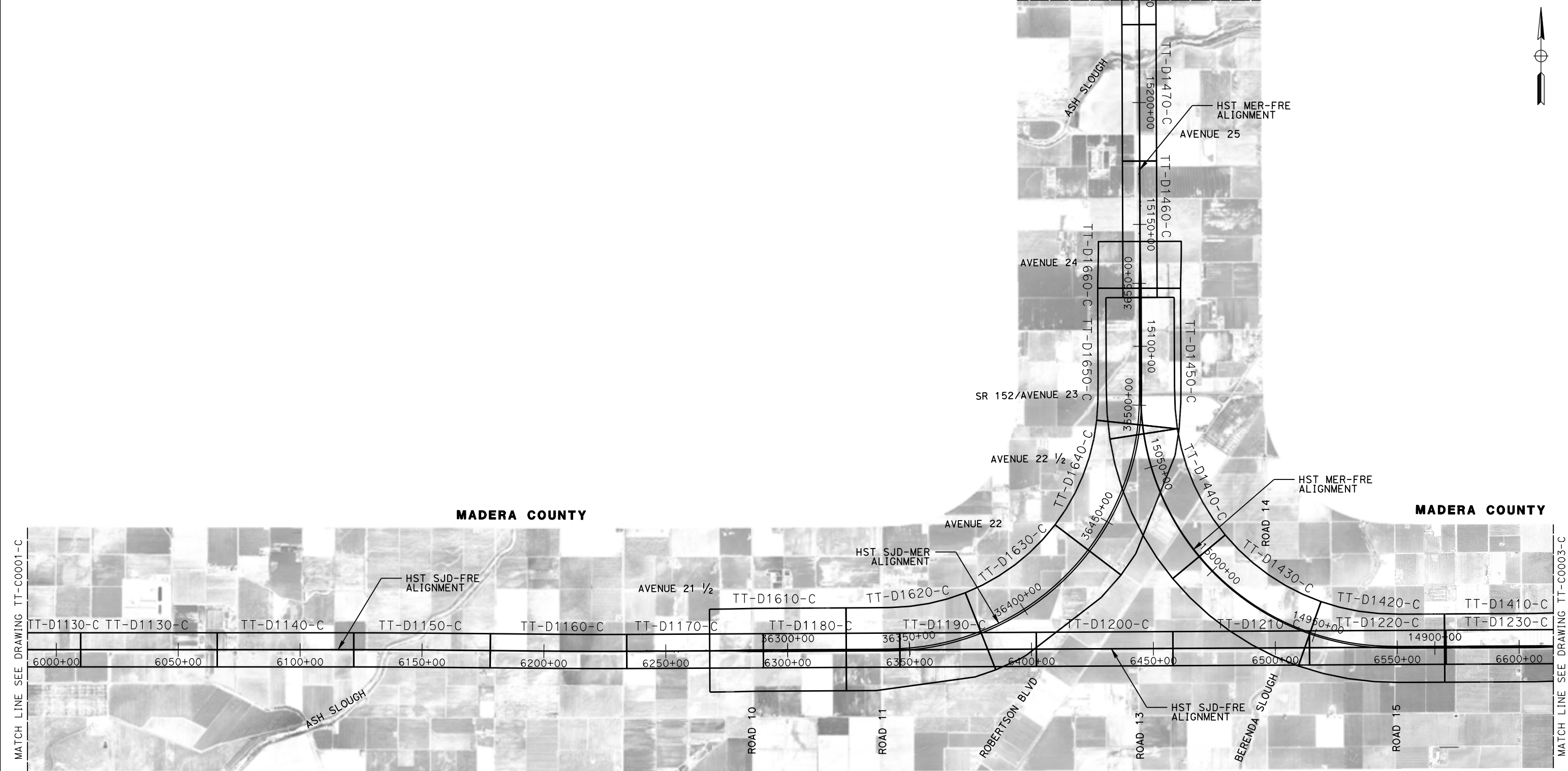
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 4

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

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



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

RECORD SET
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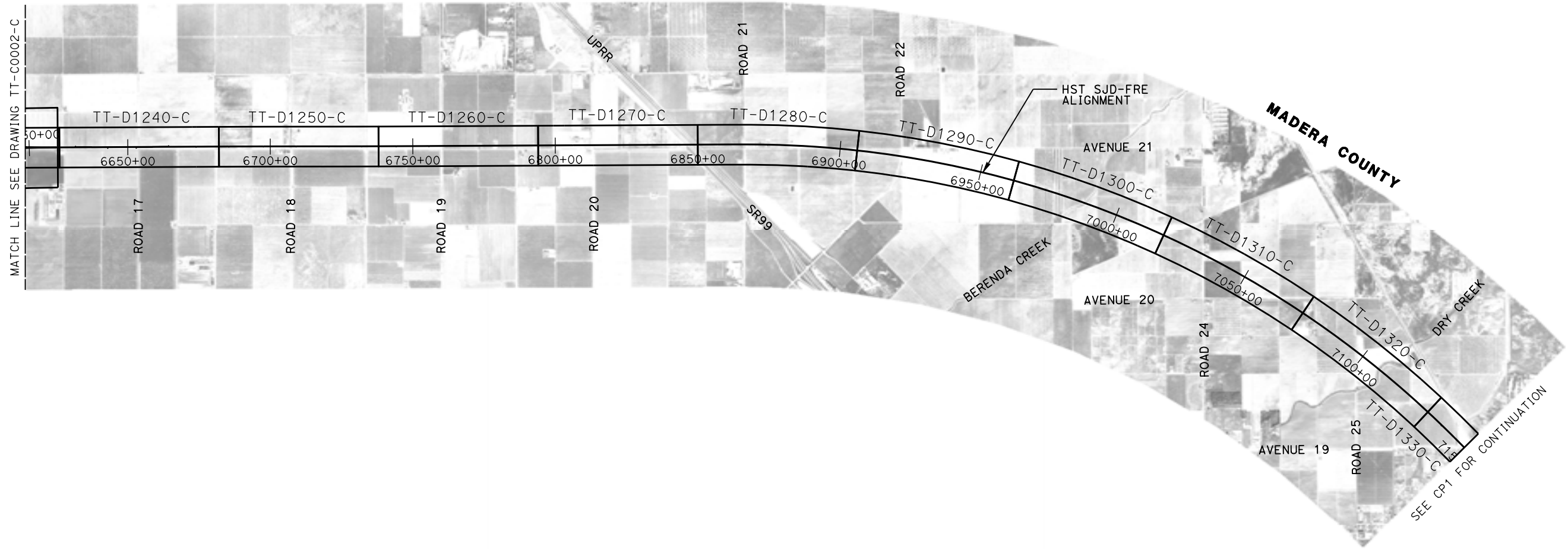
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 4

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

p0042226 07-MAR-2016 08:00 MF-TT-C0003-C.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 03/18/2016

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

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

17-MAR-2016 11:32 MF-TT-C0004-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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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.



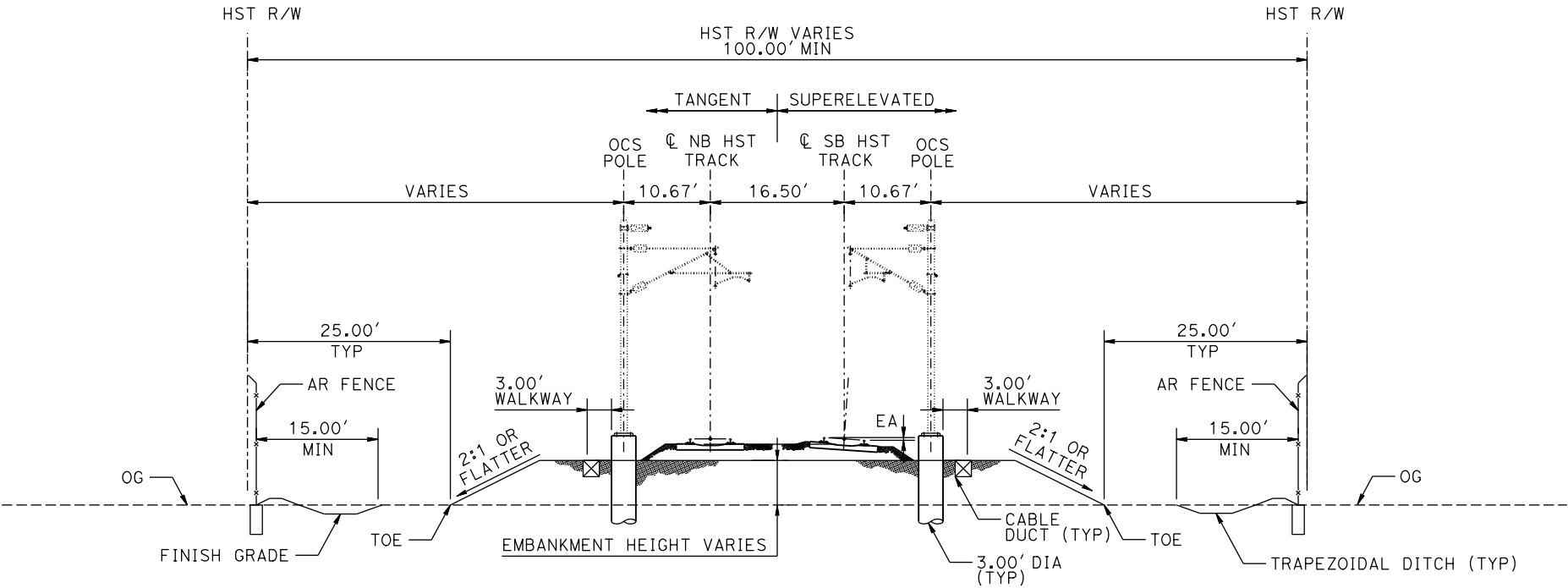
SECTION A-A

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.

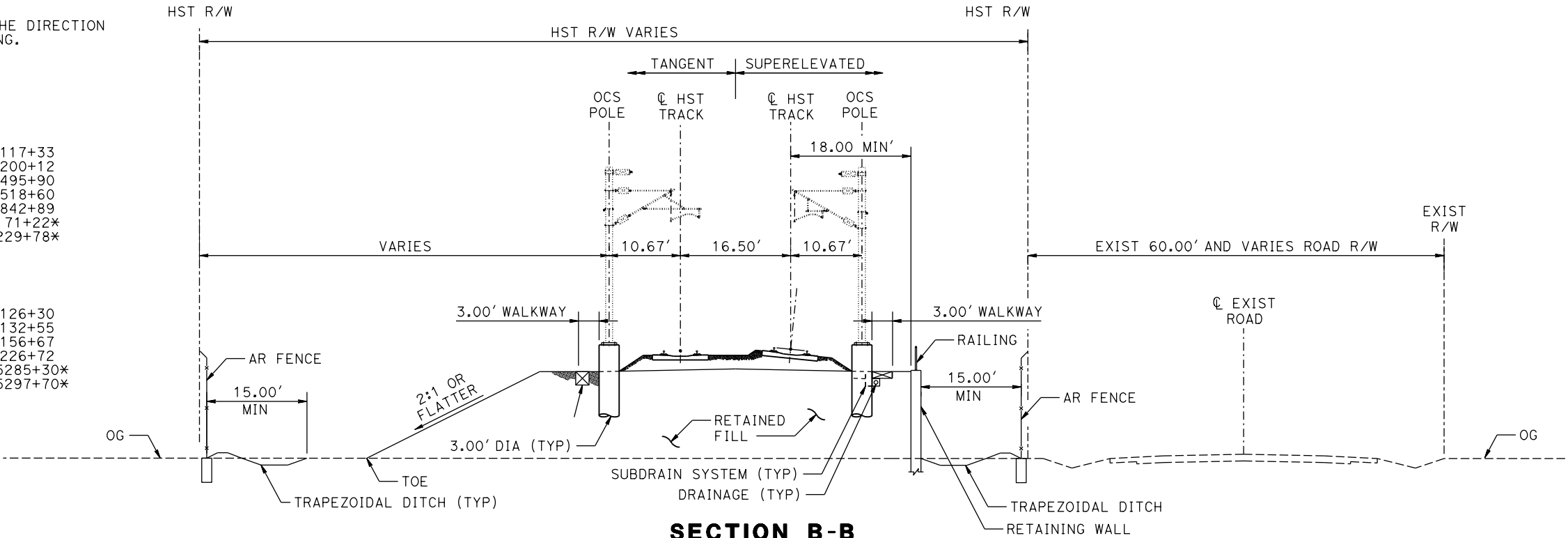
SECTION B-B

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

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

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DRAWN BY	M. TACTAY
CHECKED BY	N. OUM
IN CHARGE	C. LEMLEY
DATE	03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 1 OF 8

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

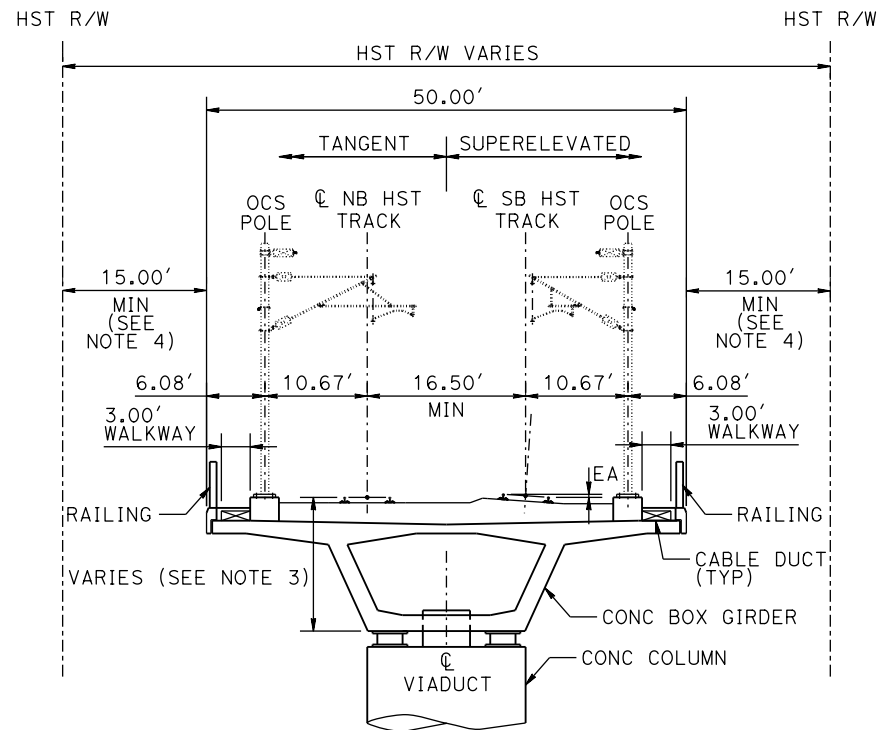
SECTION C-C

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*



NOTE:

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

SECTION C-C TWO TRACKS ON AERIAL STRUCTURE

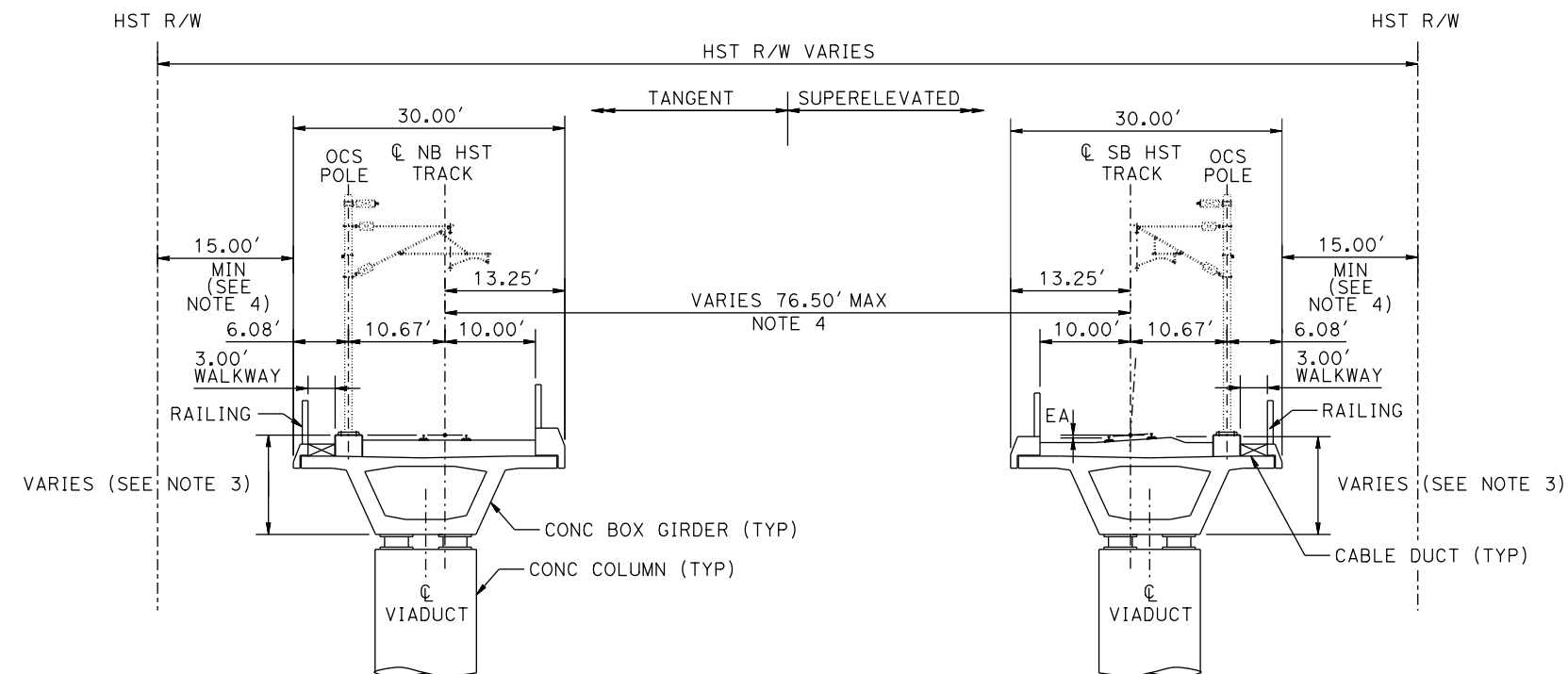
SECTION D-D

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

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 2 OF 8

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

SECTION E-E

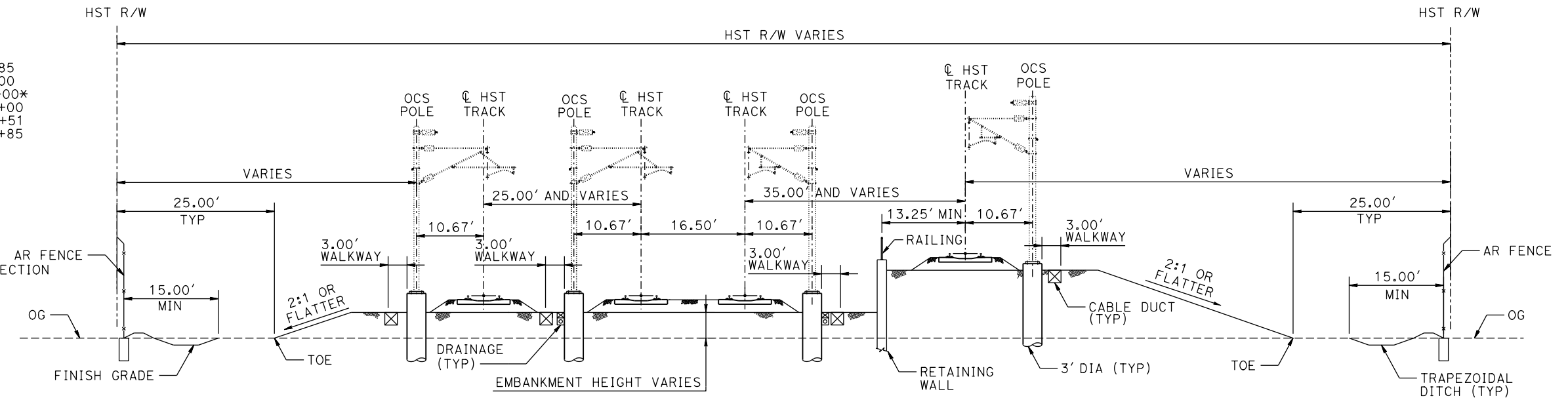
TANGENT

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

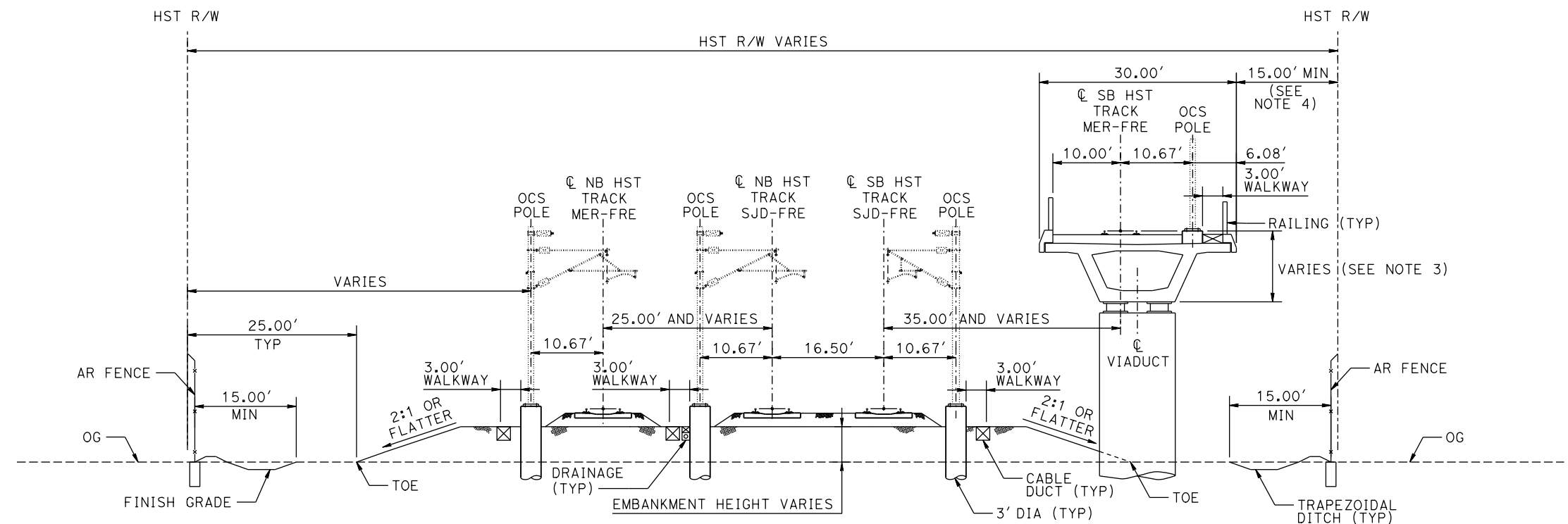
TANGENT

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.

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ELVIS C.
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C. LEMLEY
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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

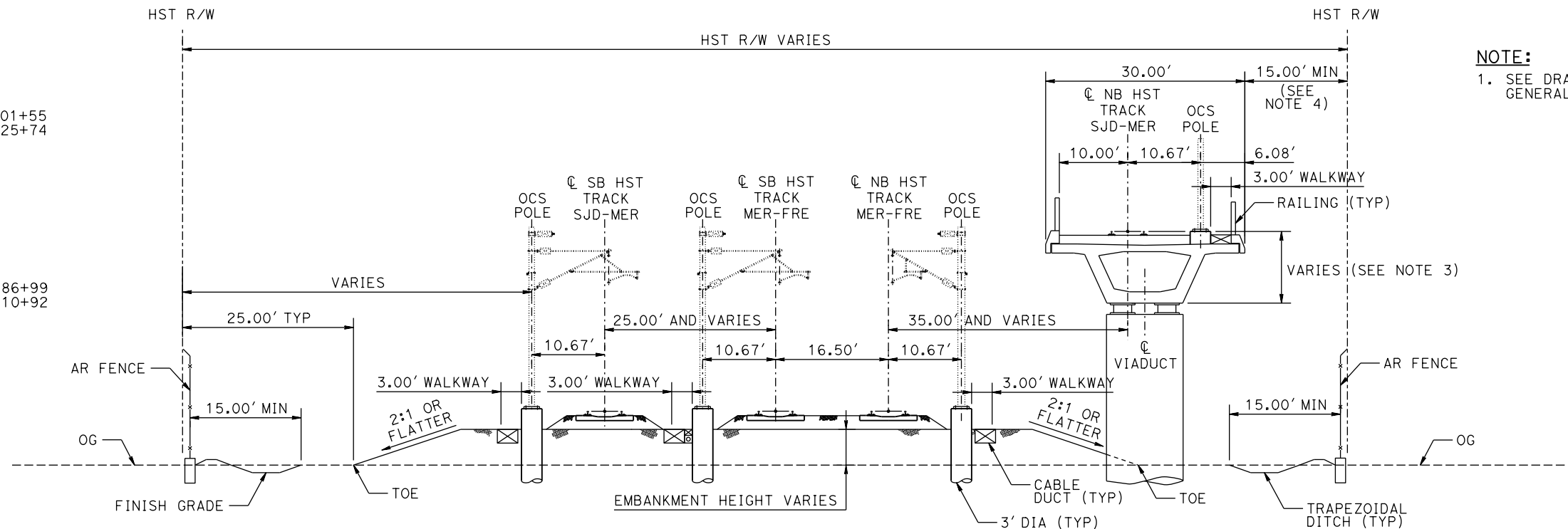
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DRAWING NO.
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SHEET NO.

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.

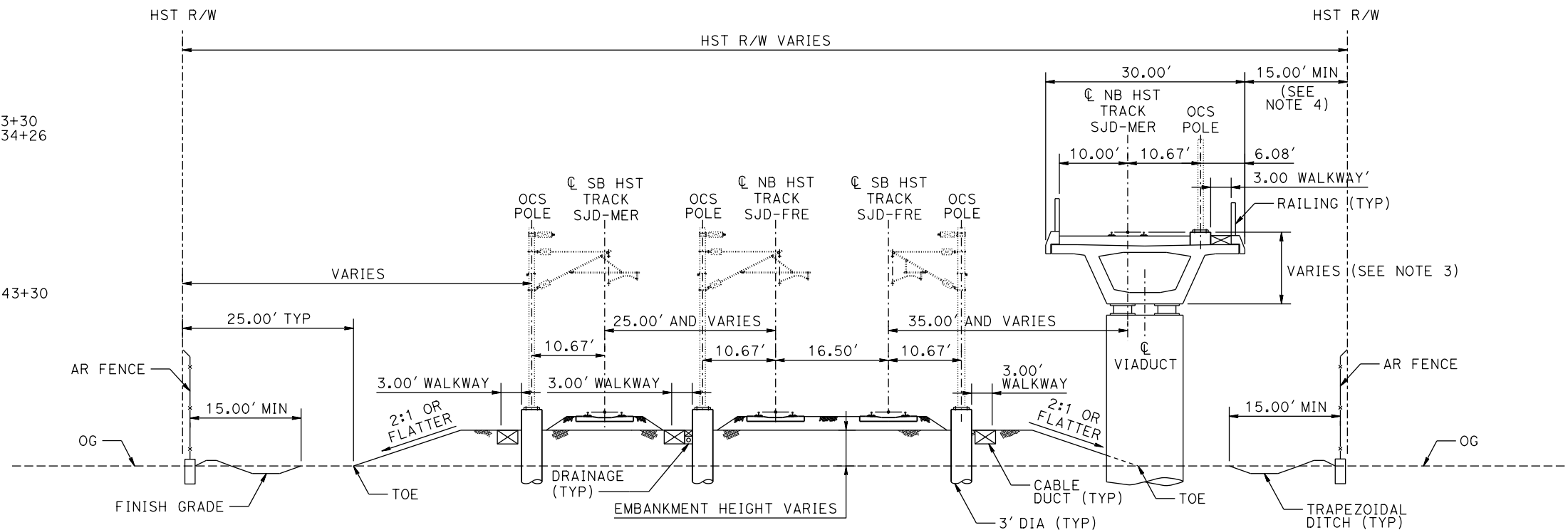
SECTION G-G
THREE TRACKS AT GRADE
ONE TRACK ON AERIAL STRUCTURE

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

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IN CHARGE
C. LEMLEY
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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.

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SECTION I-I

TANGENT

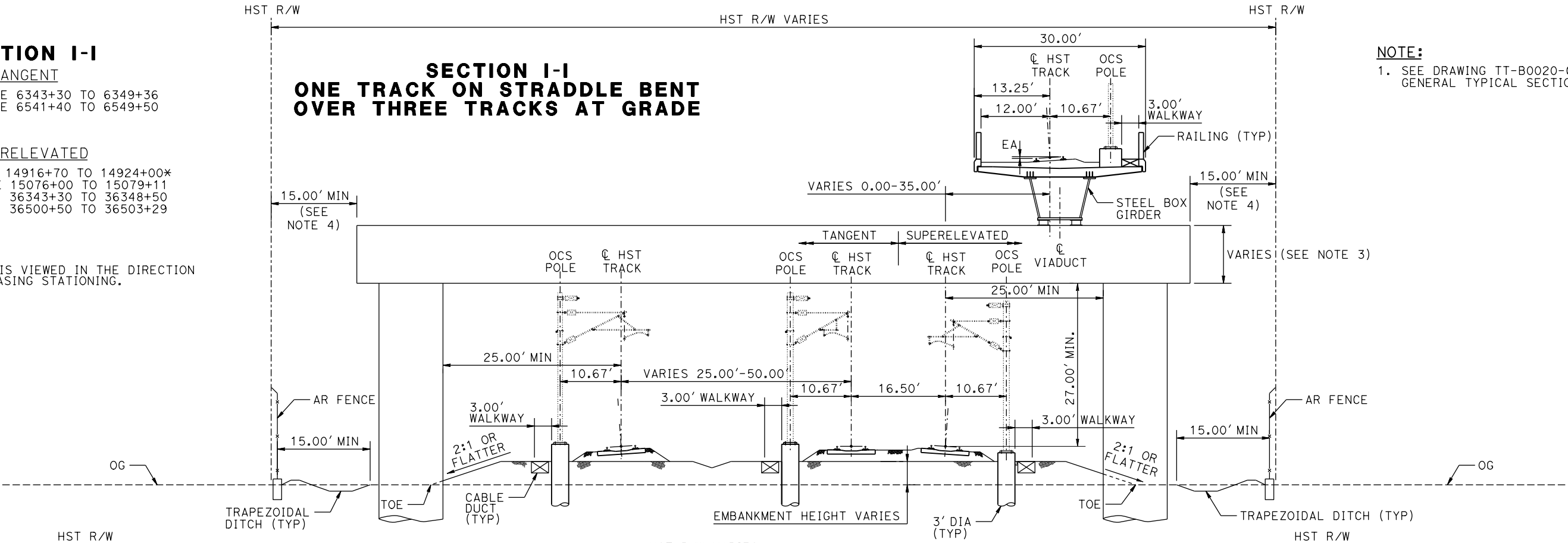
STATION SJD-FRE 6343+30 TO 6349+36
STATION SJD-FRE 6541+40 TO 6549+50

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.

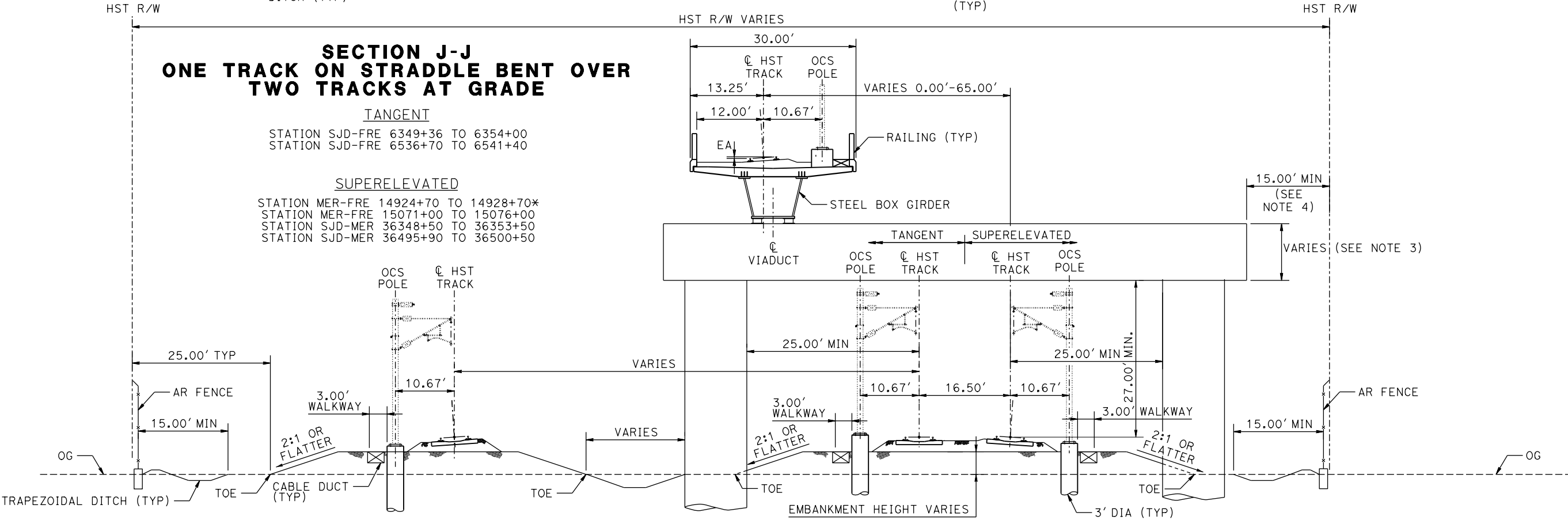
SECTION J-J
ONE TRACK ON STRADDLE BENT OVER
TWO TRACKS AT GRADE

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



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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 5 OF 8

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

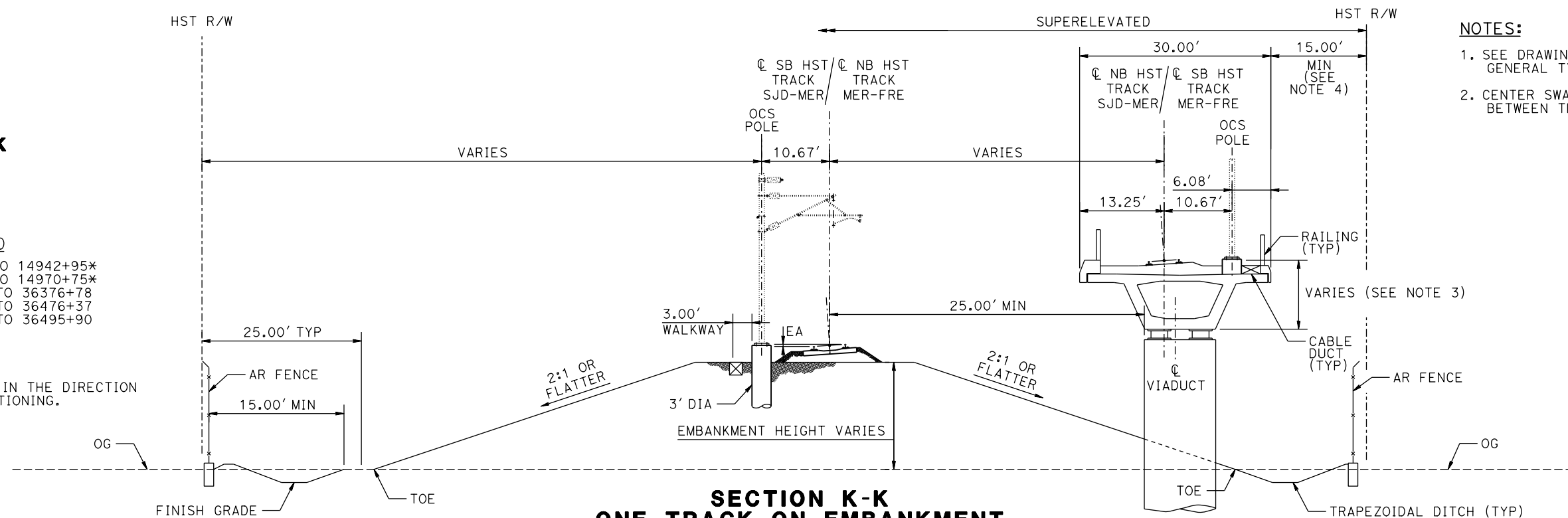
SECTION K-K

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.



NOTES:

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

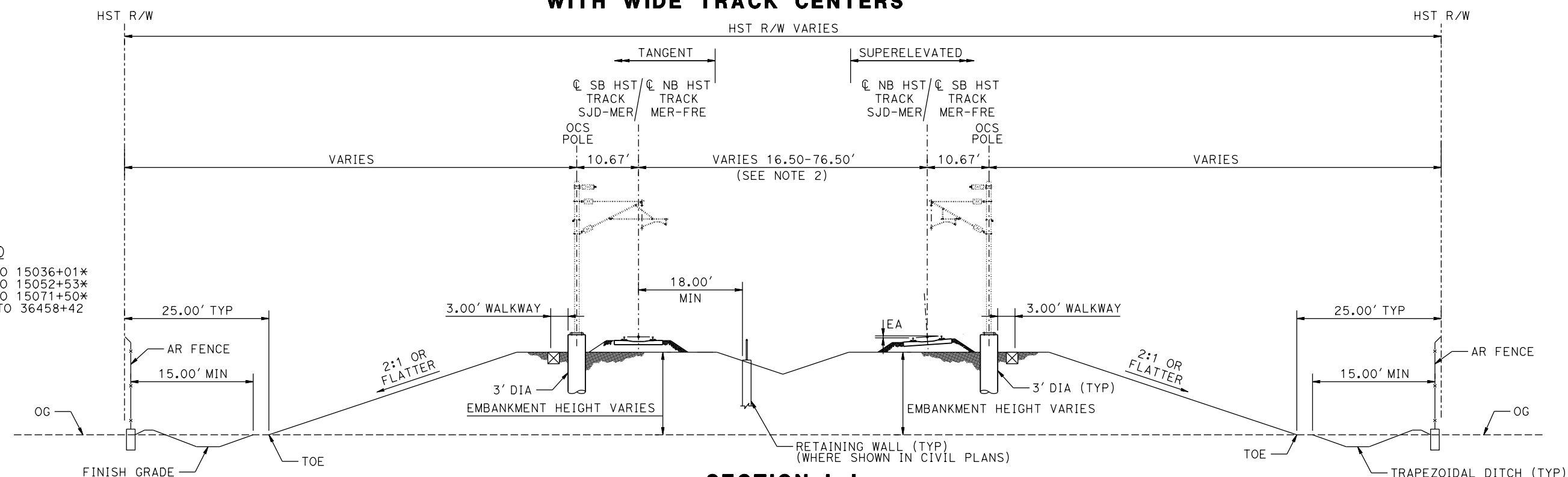
SECTION L-L

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

DESIGNED BY
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IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
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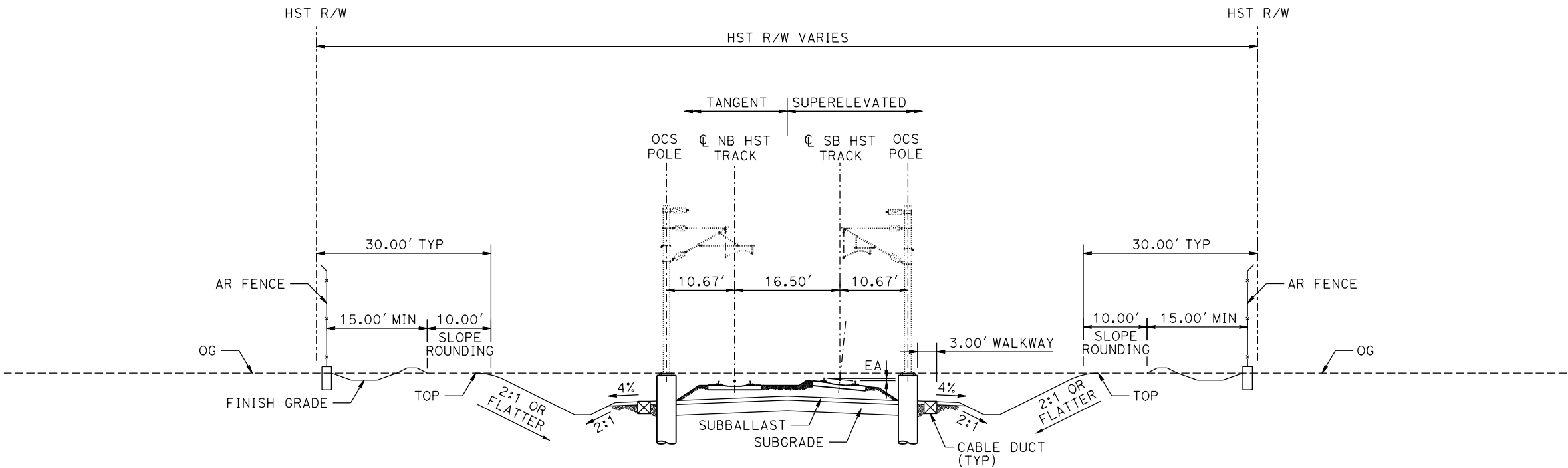


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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.

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

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

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



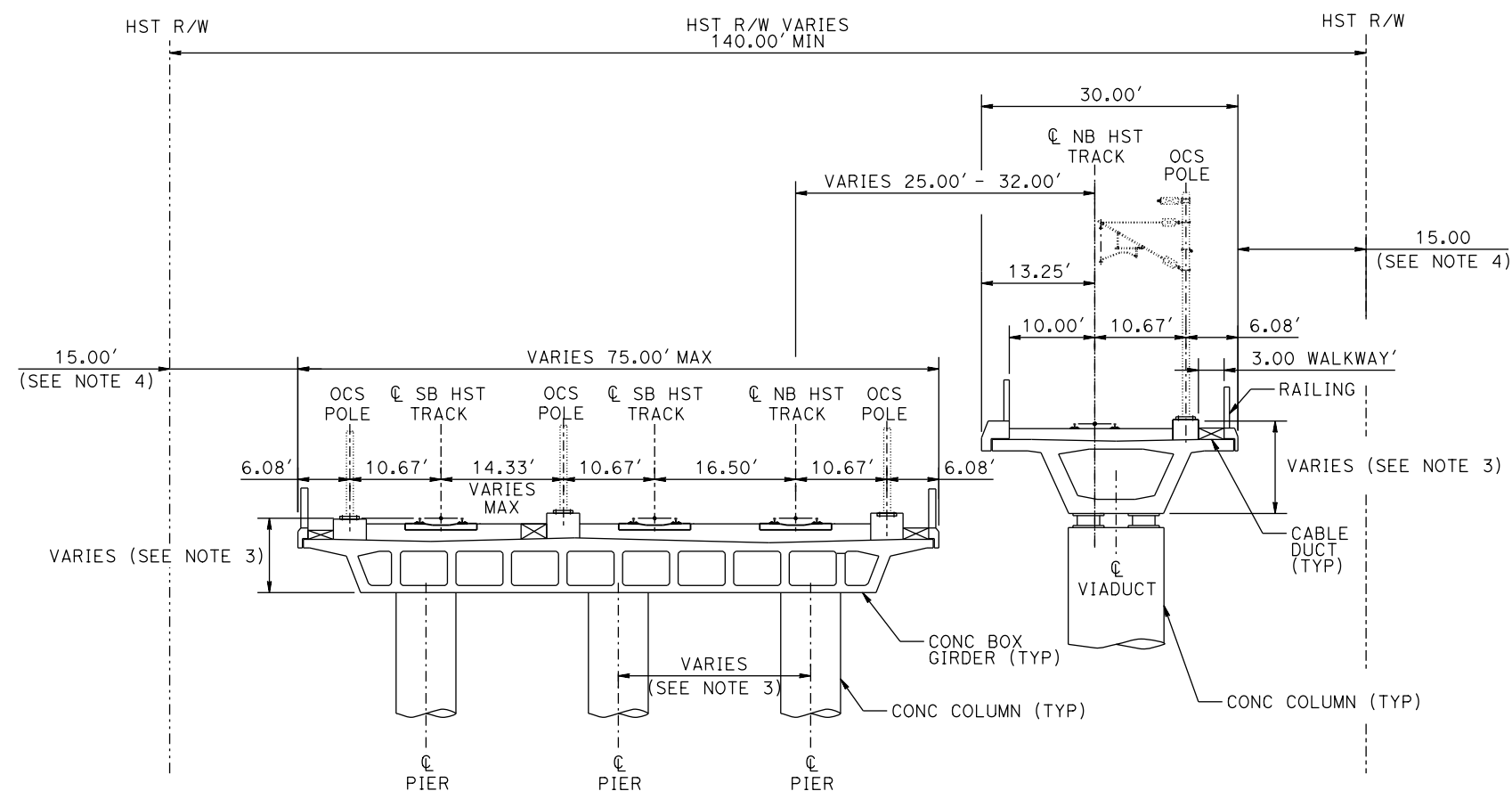
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 7 OF 8

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

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

TANGENT
NONE

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



71						
	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

**NOT FOR
CONSTRUCTION**



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

p0042226

p005133g 28-OCT-2015 5:31 MF-TT-B0050-C.dgn

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
	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											
	CLOTHOID	TS	5747+54.76	1846685.82	6547931.30											
21-13 SJD-FRE 2 SB	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



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.

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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.	

p005133g 29-OCT-2015 8:18 MF-TT-B0052-C.dgn

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											

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



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.

p005133g 28-OCT-2015 5:32 MF-TT-B0053-C.dgn

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
	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

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



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.

p005133a

p005133g MF-TT-B0055-C.dgn 29-OCT-2015 8:19

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
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											

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



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.

p005133g 28-OCT-2015 15:51:33 MF-TT-B0056-C.dgn

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											

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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 7 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0056-C
SCALE NO SCALE
SHEET NO.

p005133g 28-OCT-2015 15:51:34 MF-TT-B0057-C.dgn

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											

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

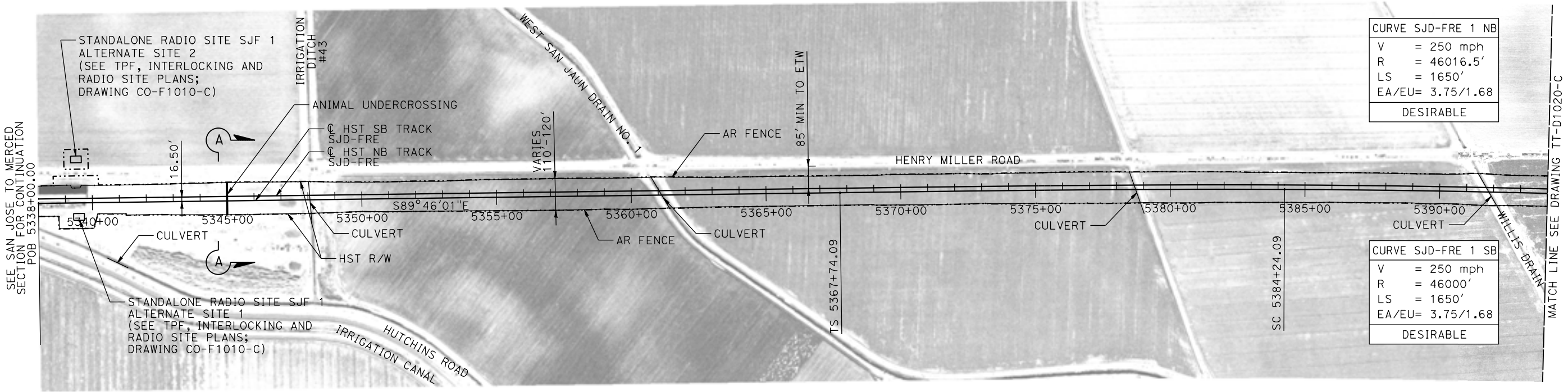
NOT FOR
CONSTRUCTION



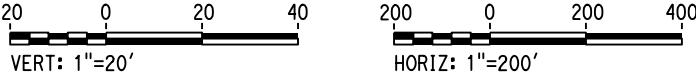
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 8 OF 9

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

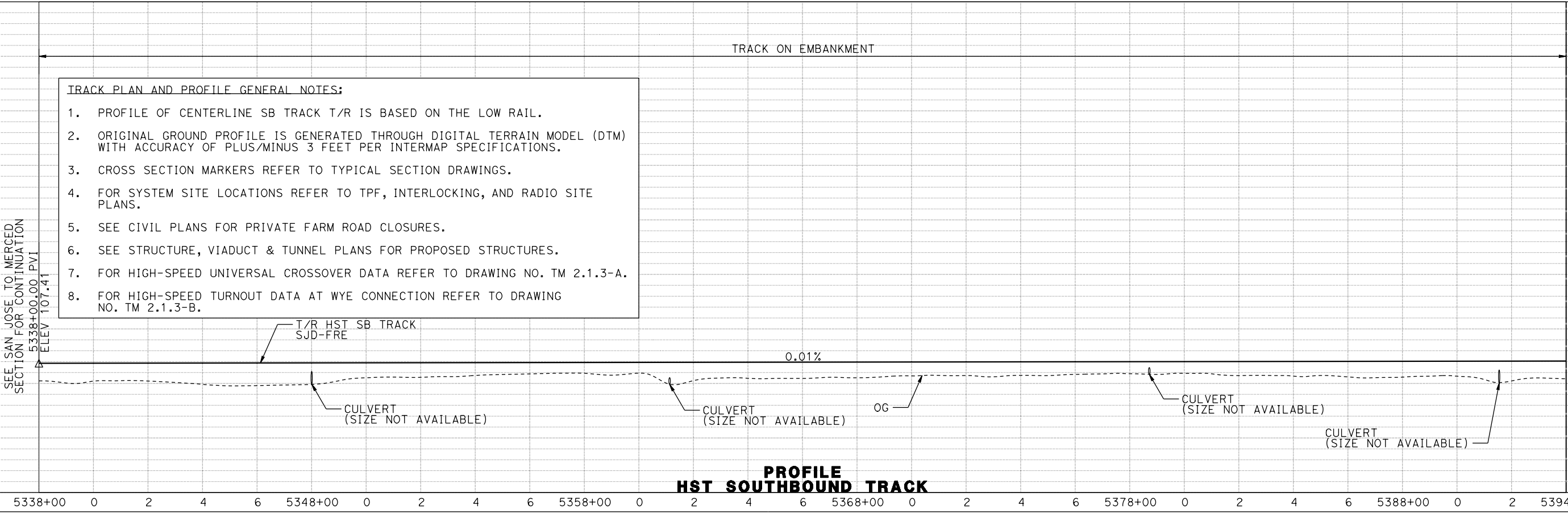
MERCED COUNTY



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

14-MAR-2016 1:02 MF-TT-D1010-C.dgn

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

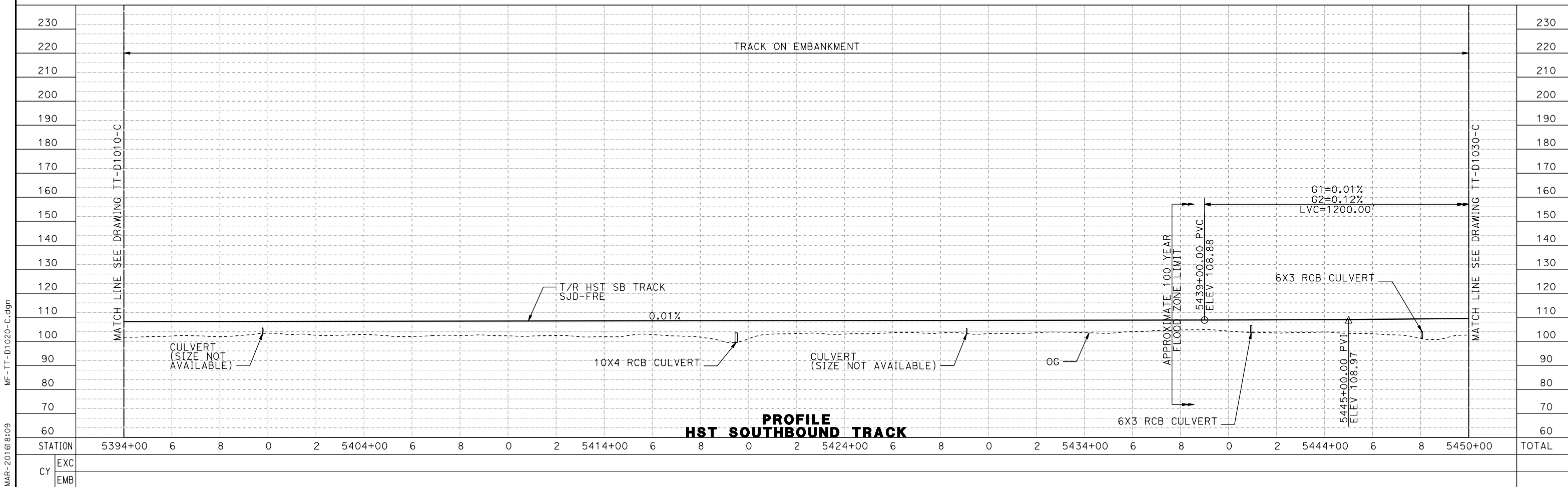
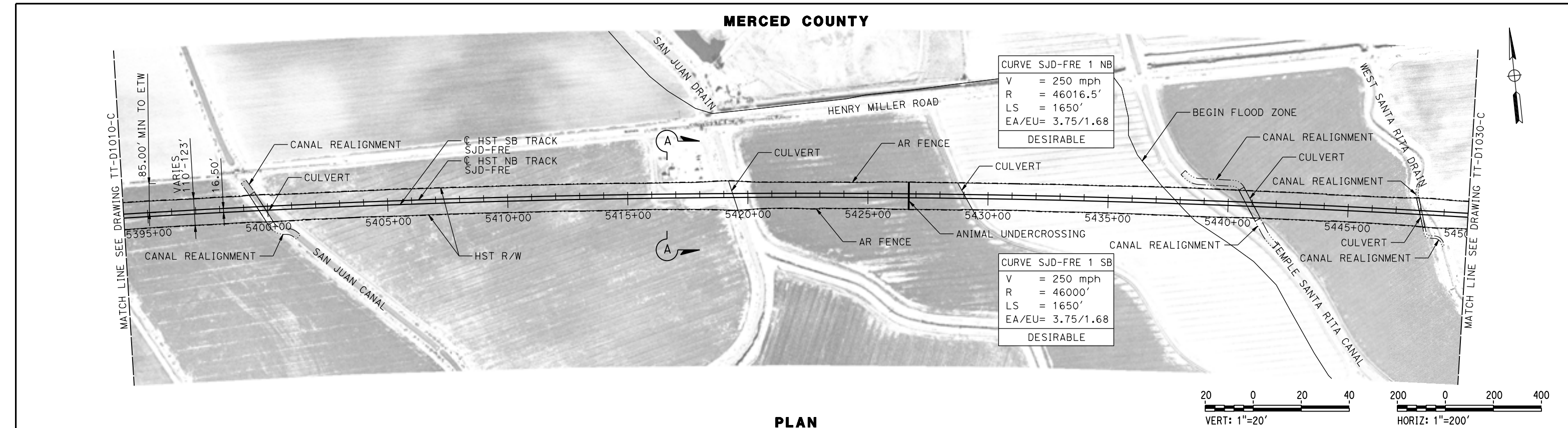
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

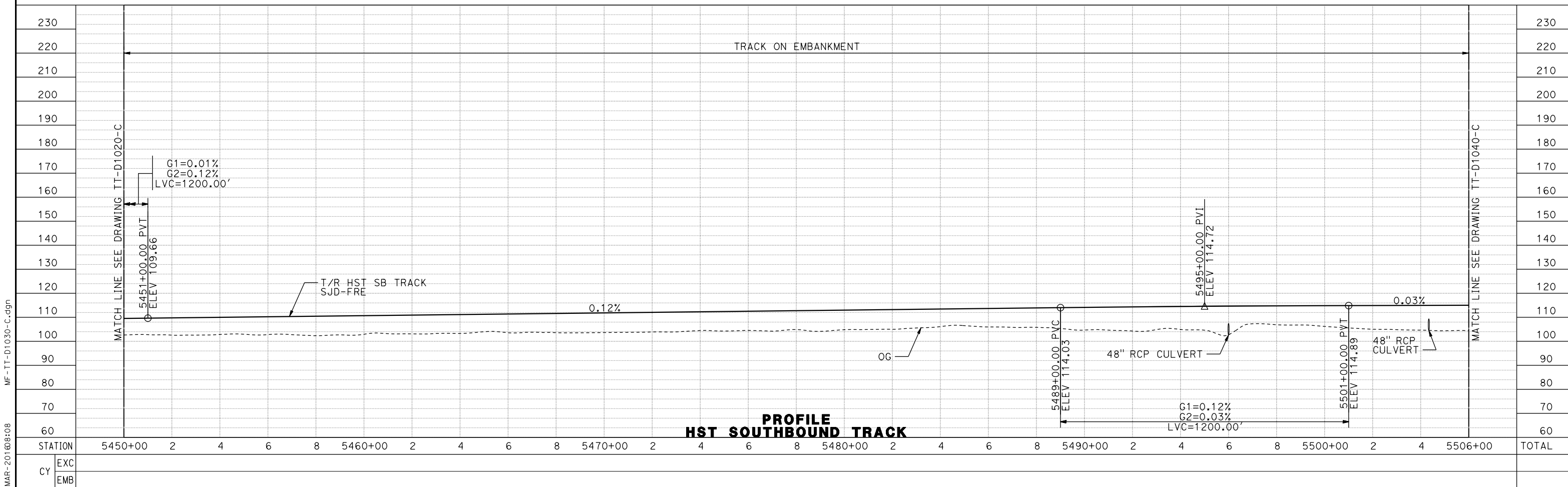
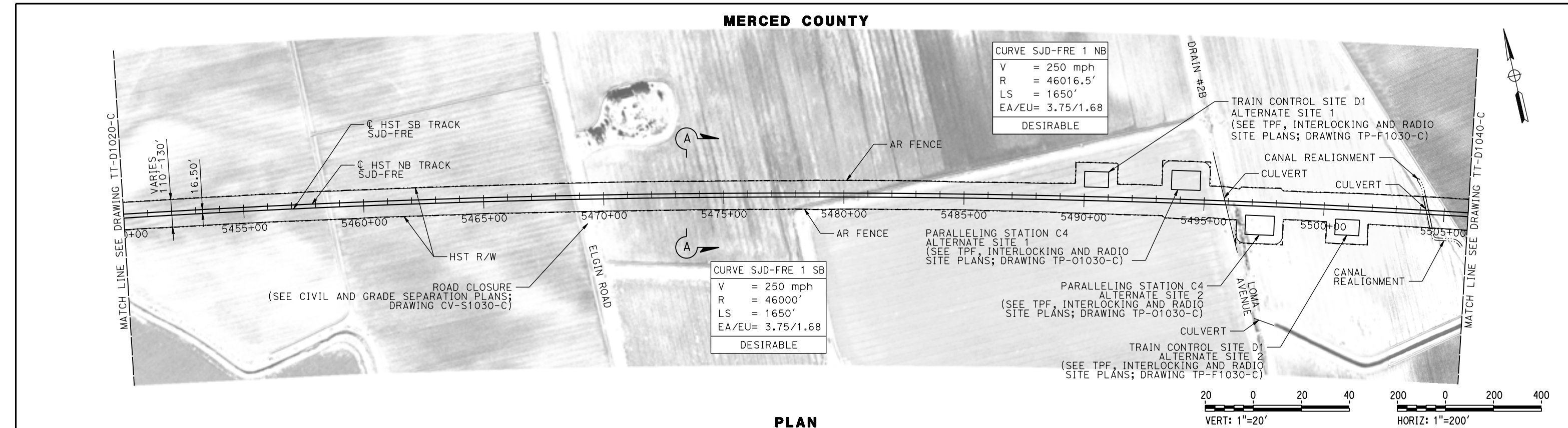


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

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



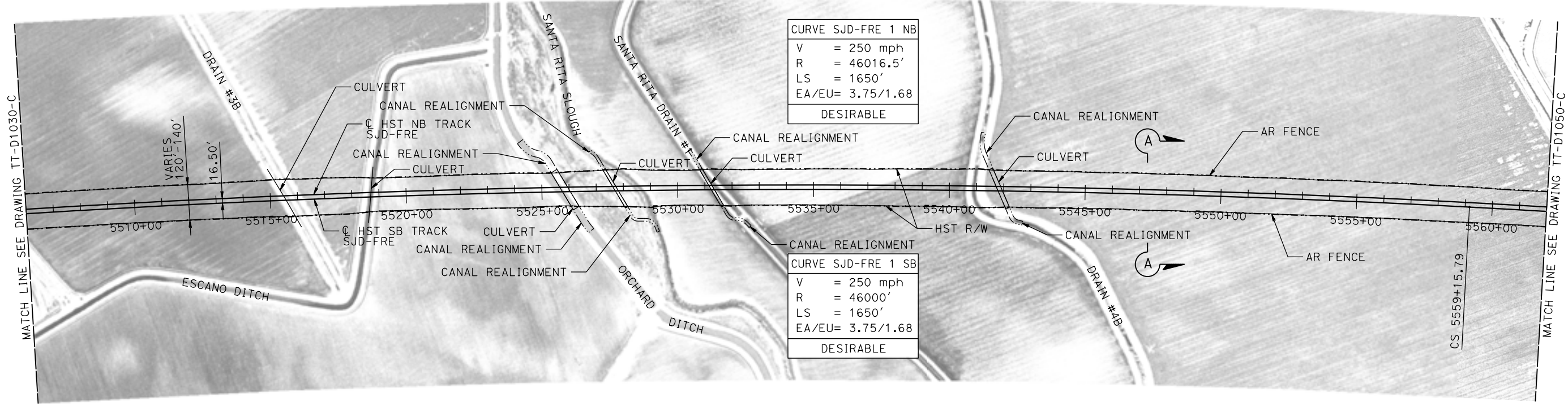
REV	DATE	BY	CHK	APP	DESCRIPTION	DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5394+00 TO 5450+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY						DRAWING NO. TT-D1020-C
						CHECKED BY ELVIS C.						SCALE AS SHOWN
						IN CHARGE C. LEMLEY						SHEET NO.
						DATE 03/18/2016						



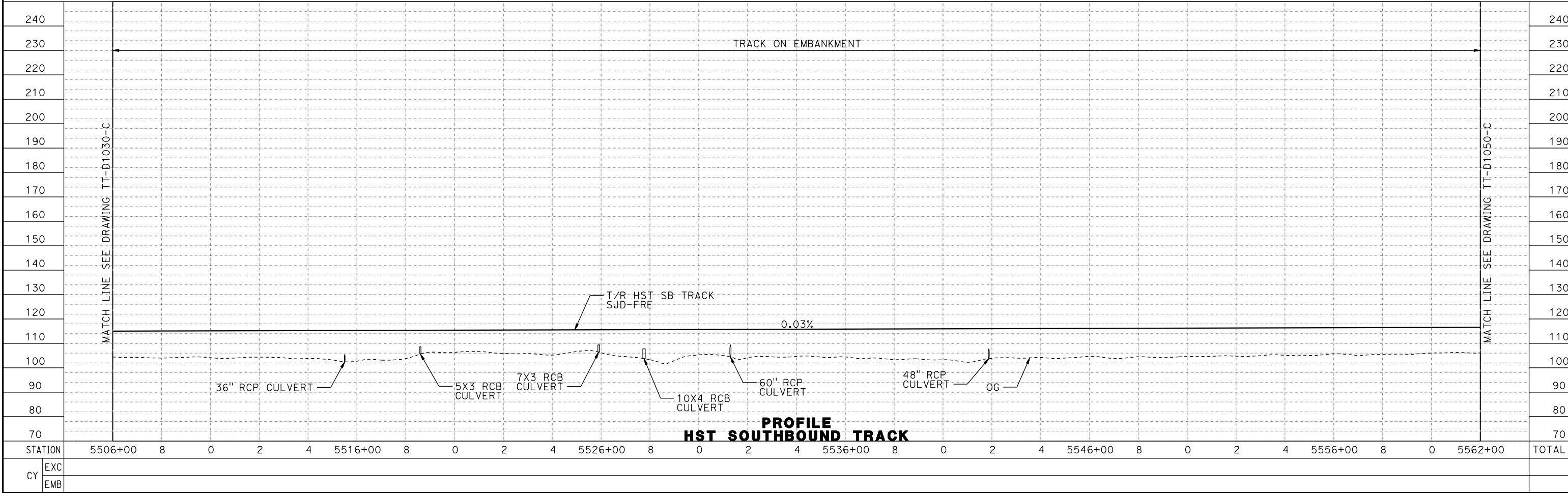
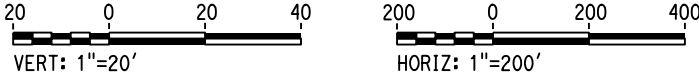
DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5450+00 TO 5506+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. TT-D1030-C
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

REV	DATE	BY	CHK	APP	DESCRIPTION



MERCED COUNTY



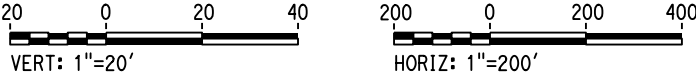
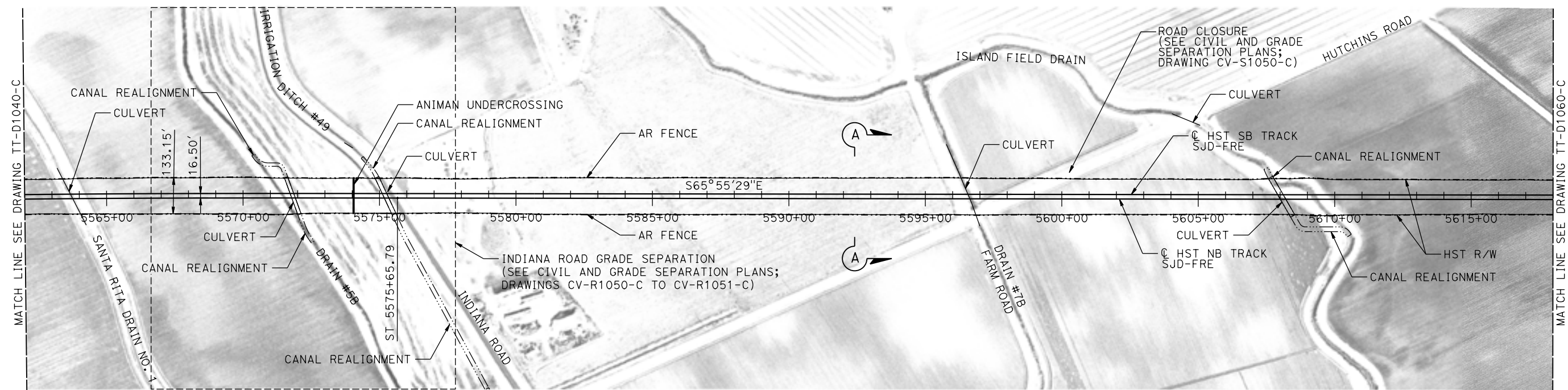
PLAN



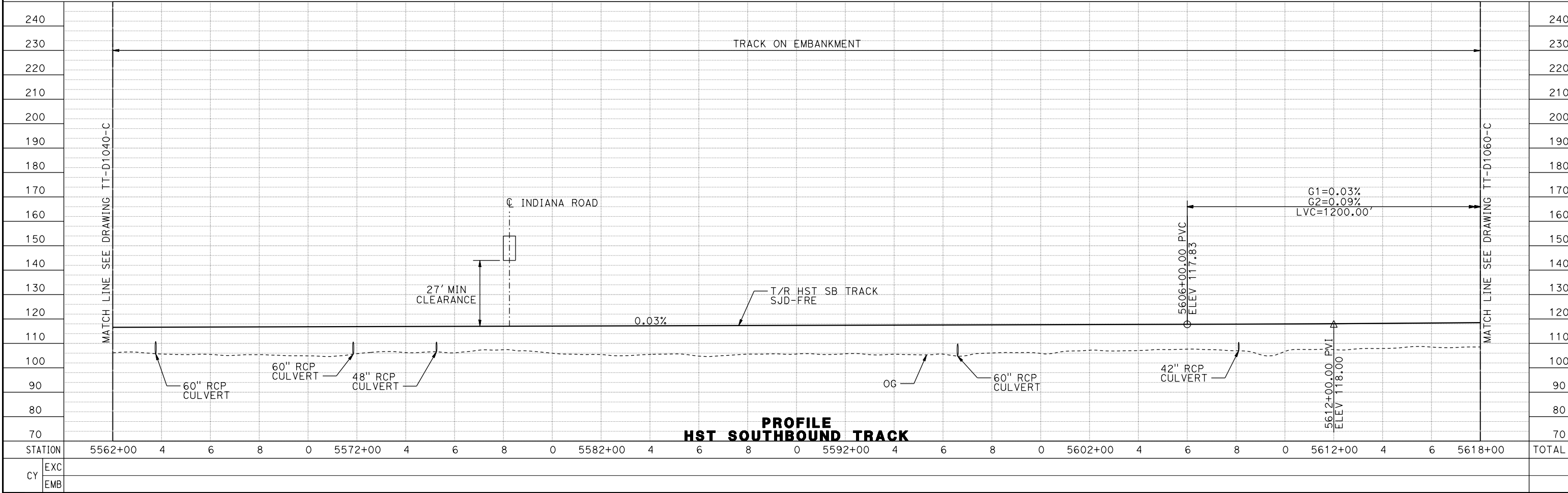
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5506+00 TO 5562+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1040-C
						CHECKED BY ELVIS C.					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

MERCED COUNTY



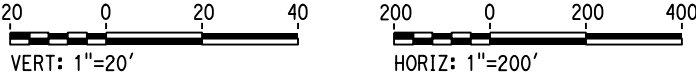
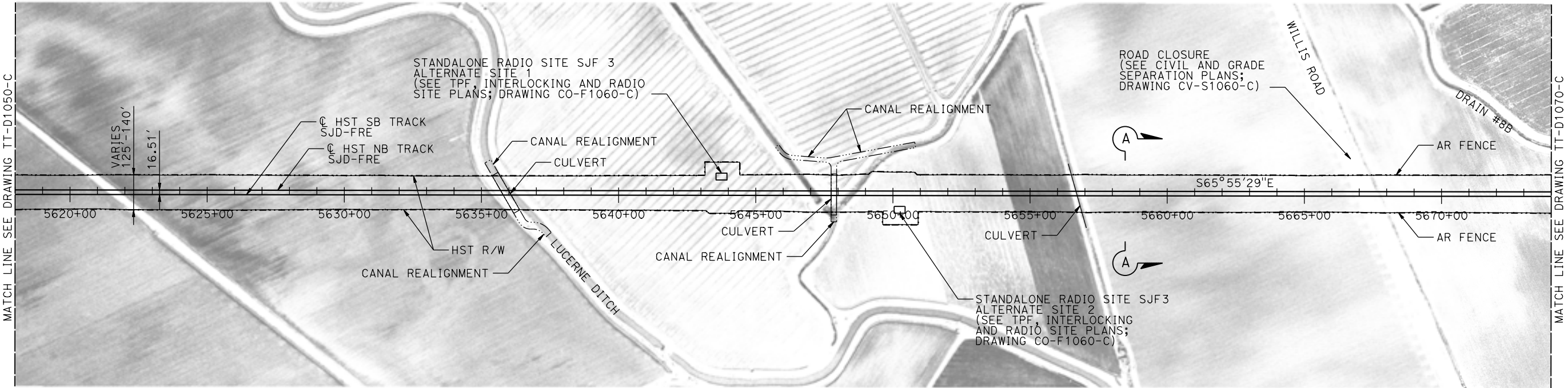
PLAN



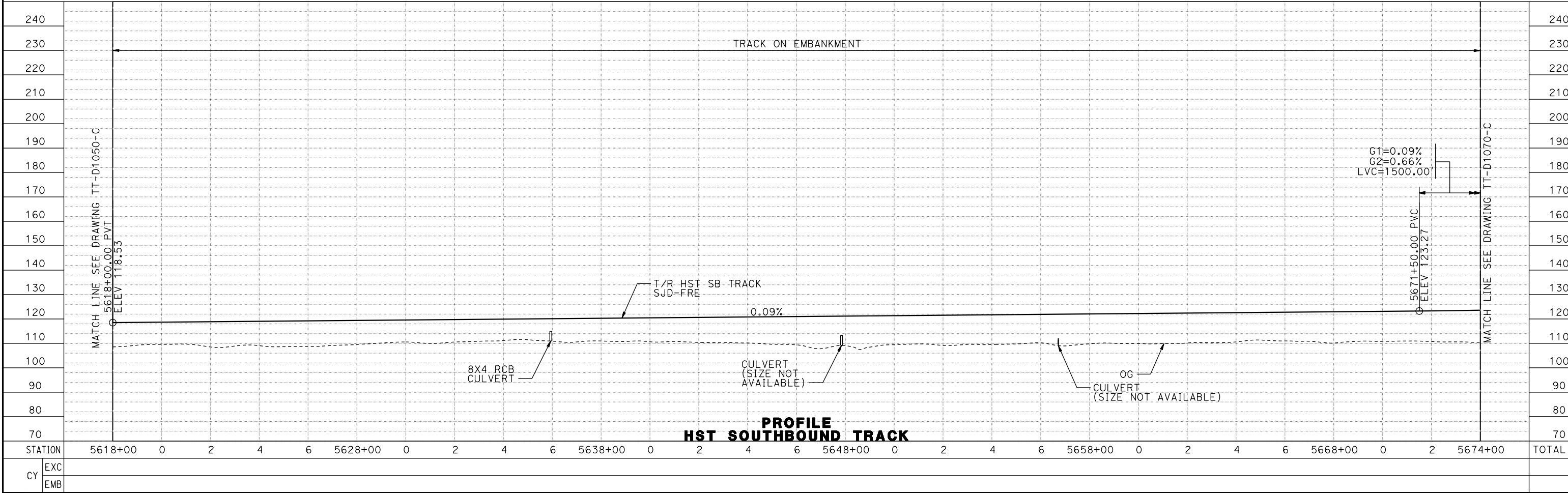
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						
CHECKED BY ELVIS C.						
IN CHARGE C. LEMLEY						
DATE 03/18/2016					AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5562+00 TO 5618+00	DRAWING NO. TT-D1050-C
REV	DATE	BY	CHK	APP	DESCRIPTION	SCALE AS SHOWN
						SHEET NO.

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

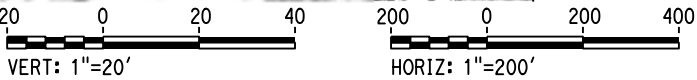
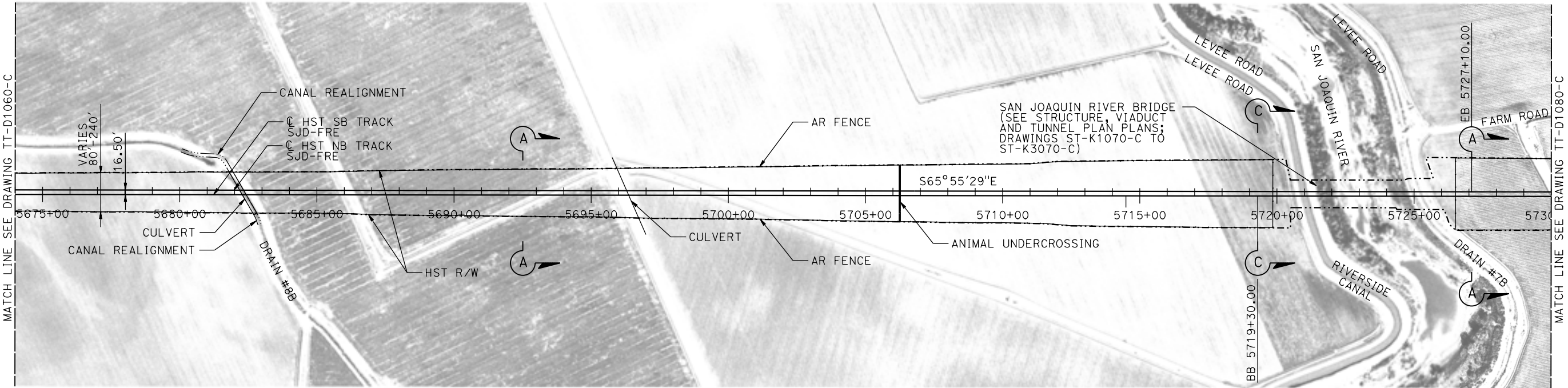
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CONSTRUCTION



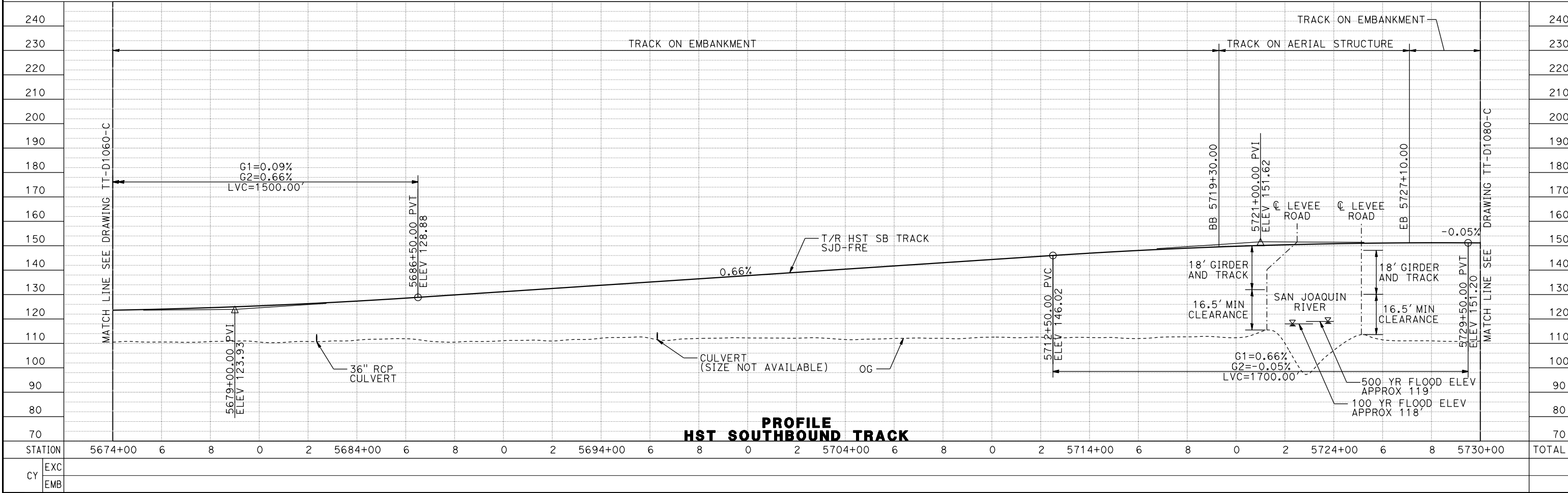
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5618+00 TO 5674+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

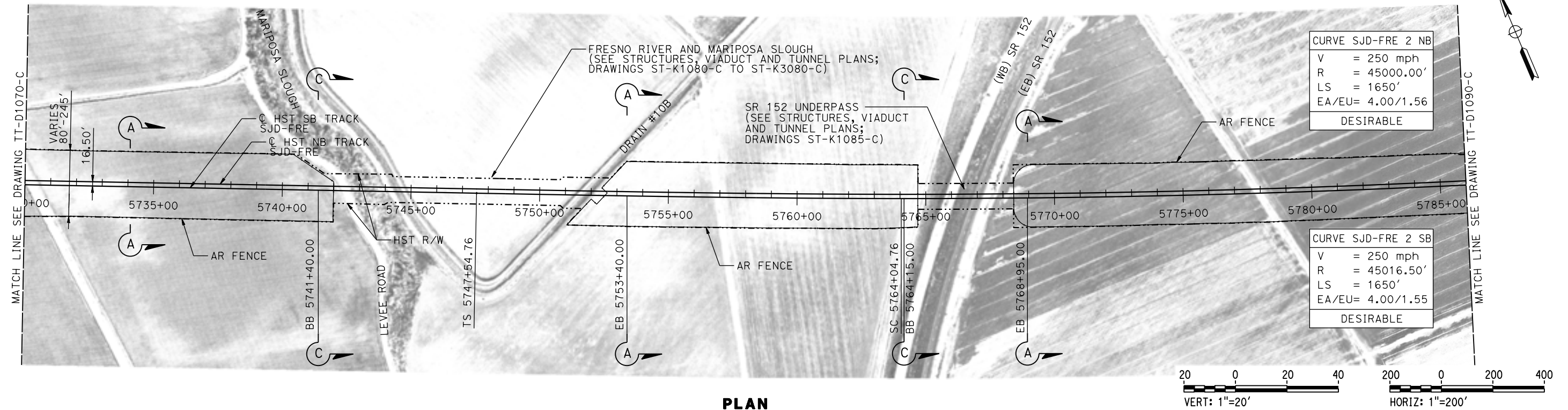
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

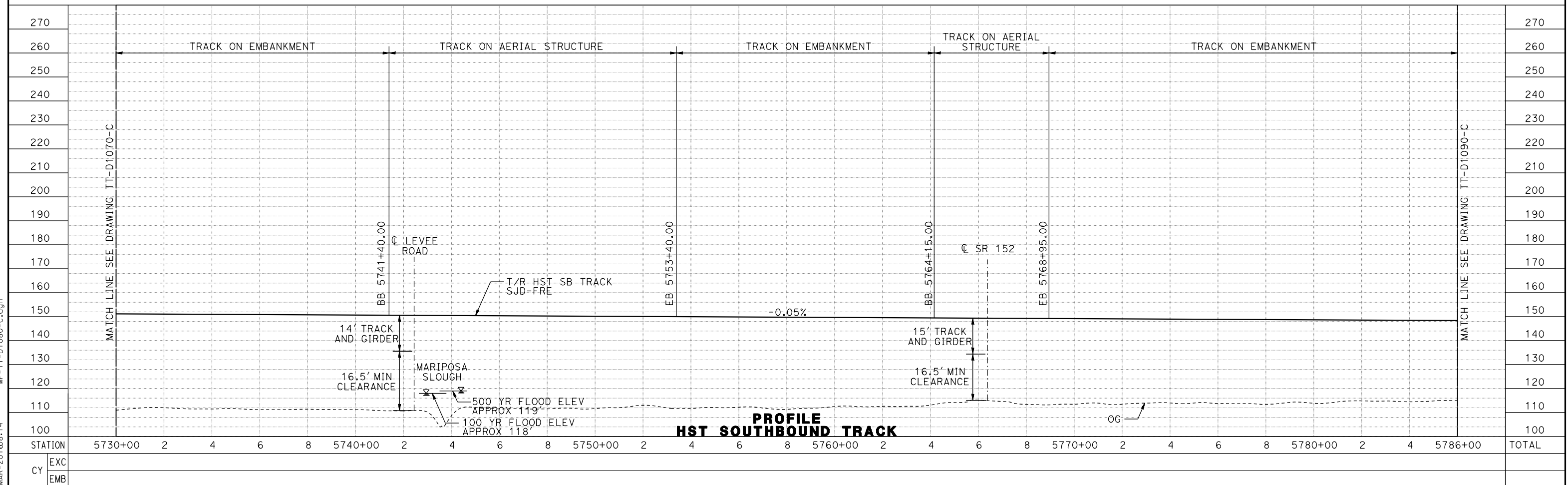


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5674+00 TO 5730+00

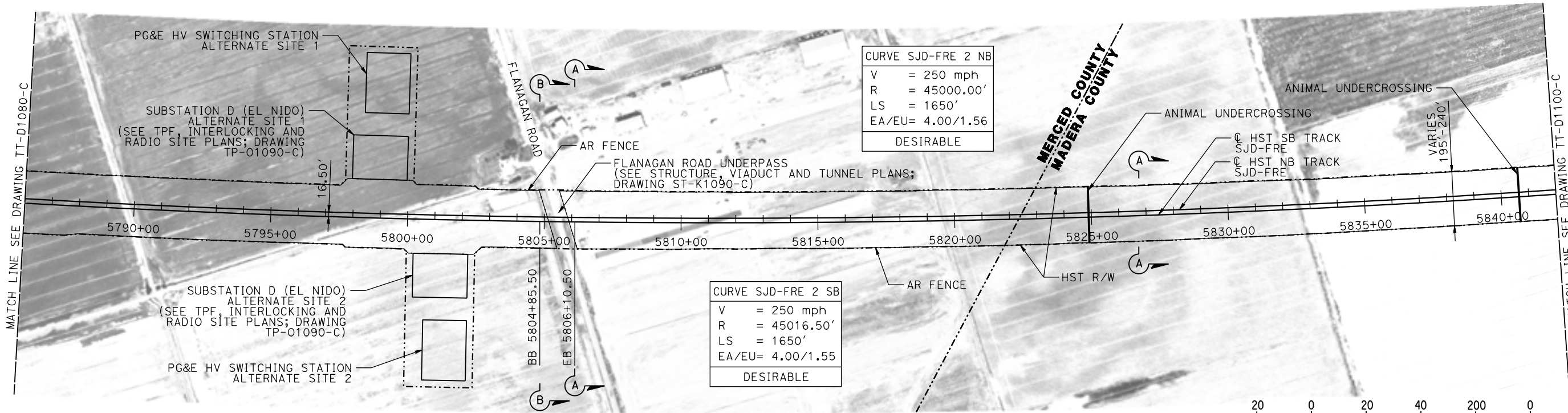
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1070-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

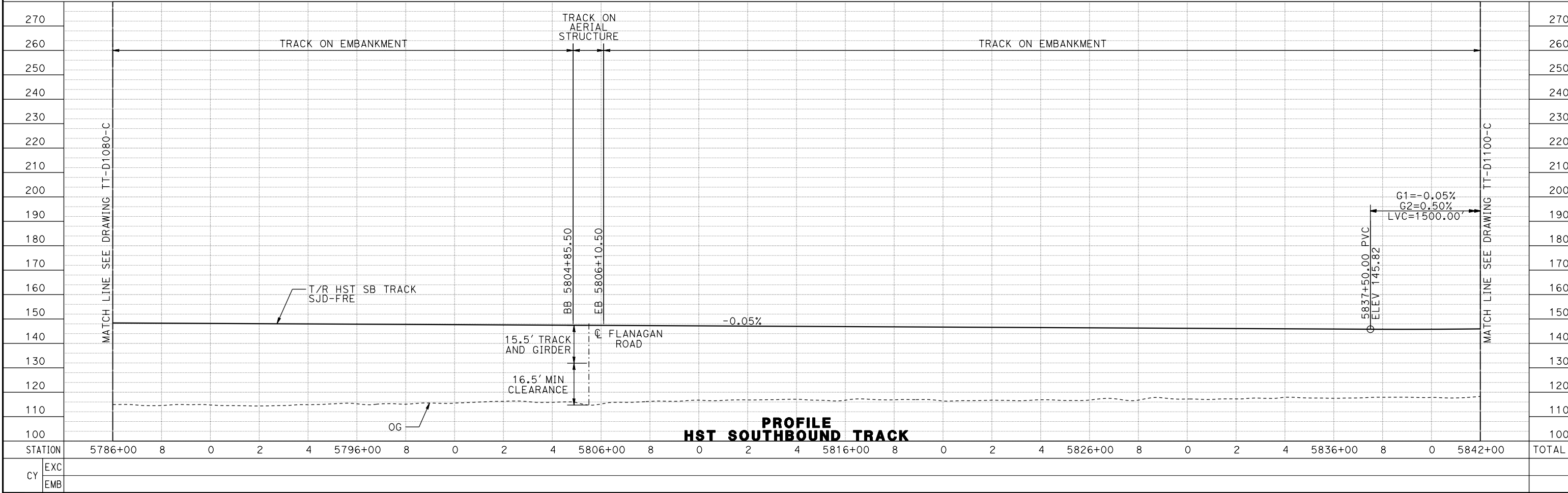
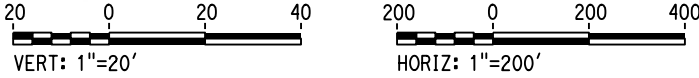
PLAN



						DESIGNED BY D. OLIVETI	RECORD SET 16% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			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
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1080-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 10:56 MF-TT-D1090-C.dgn

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

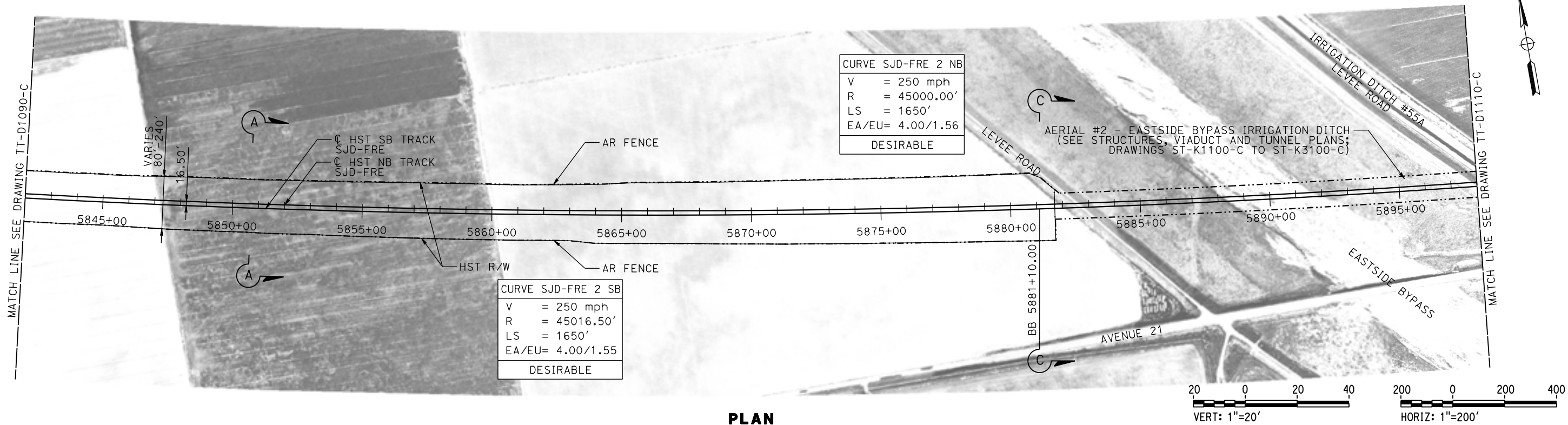
NOT FOR
CONSTRUCTION



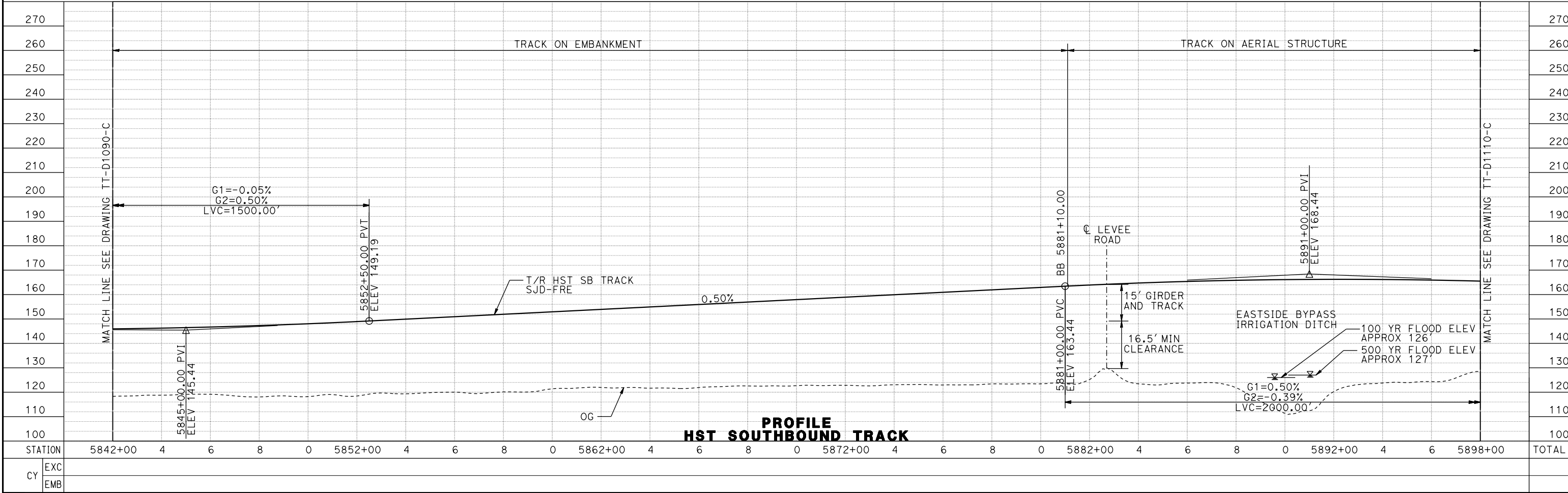
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5786+00 TO 5842+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

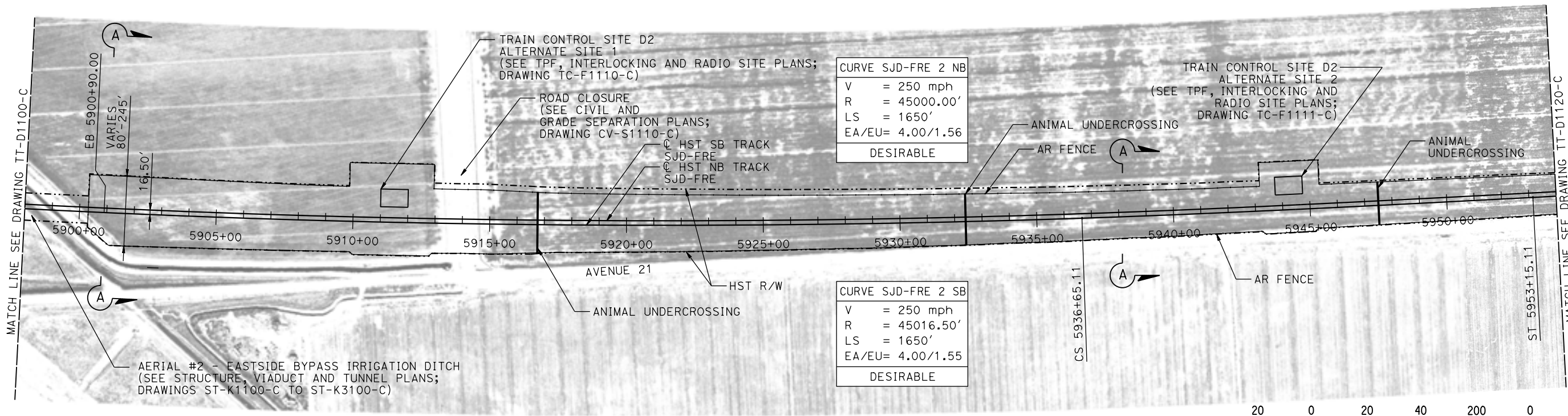
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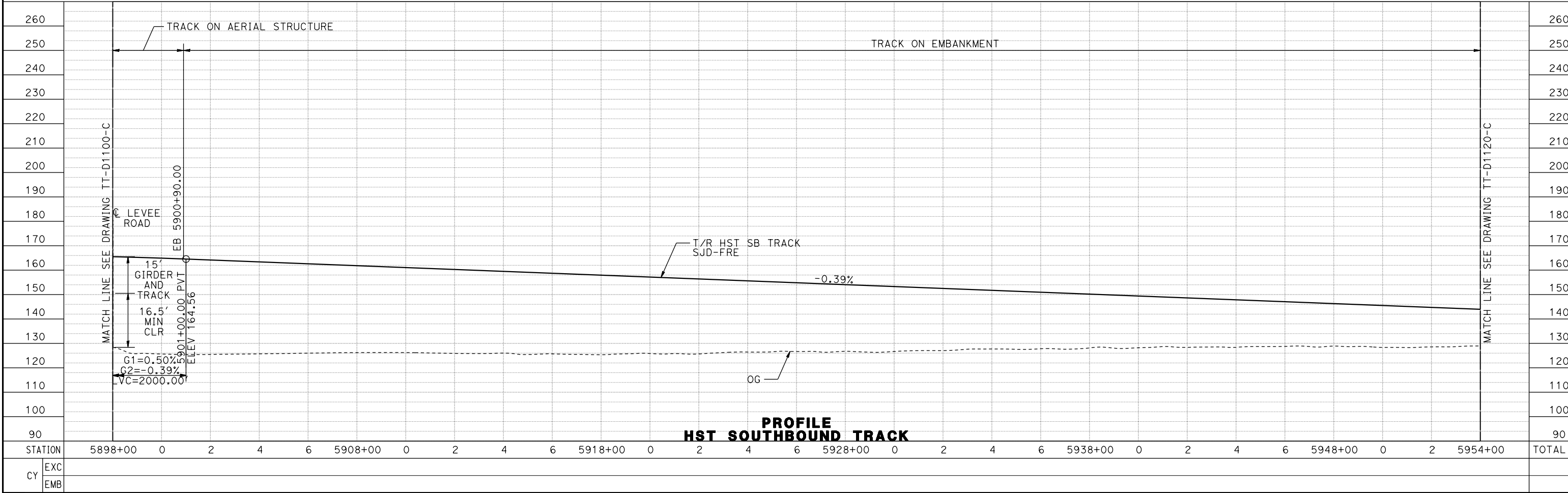
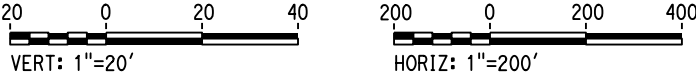
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

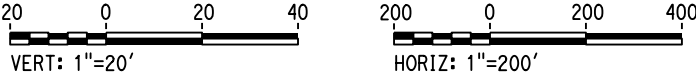
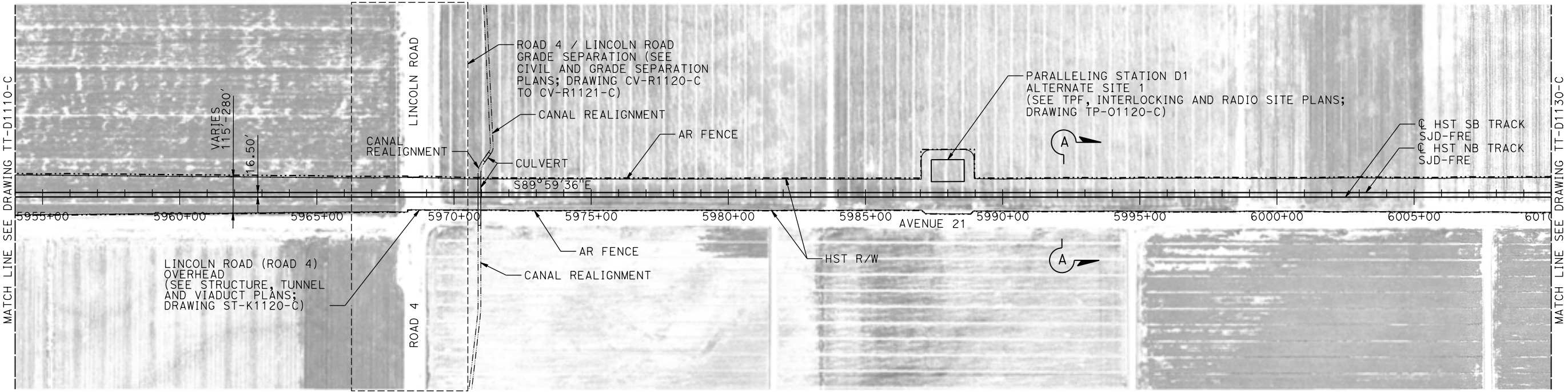
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CONSTRUCTION



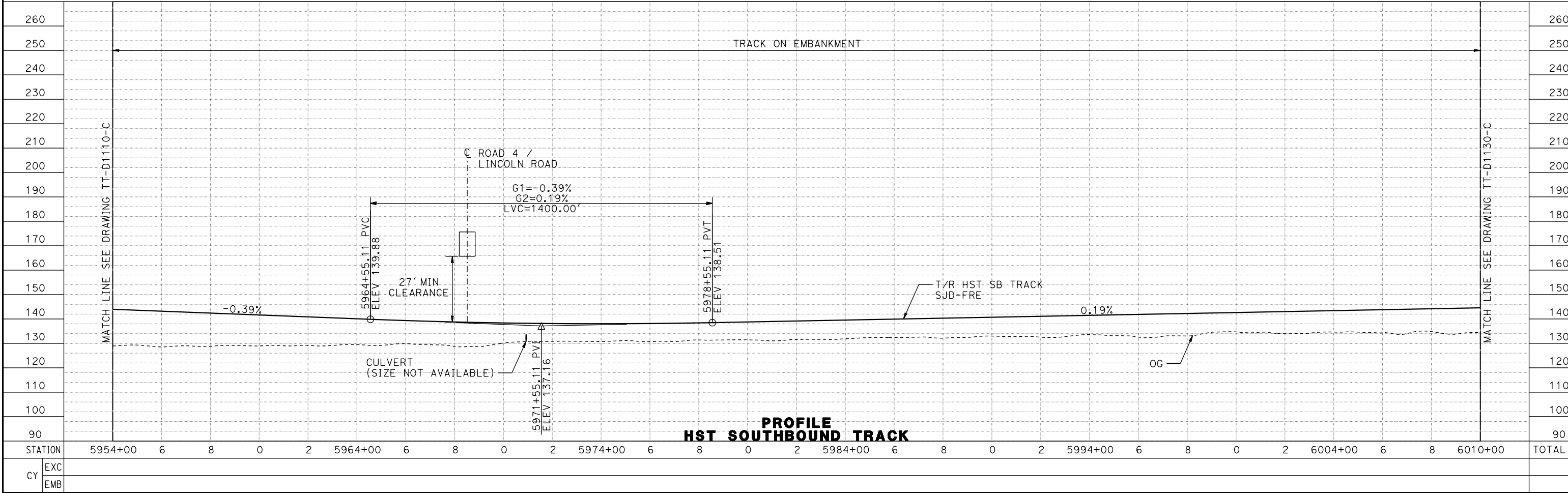
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5898+00 TO 5954+00

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

MADERA COUNTY



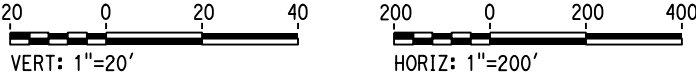
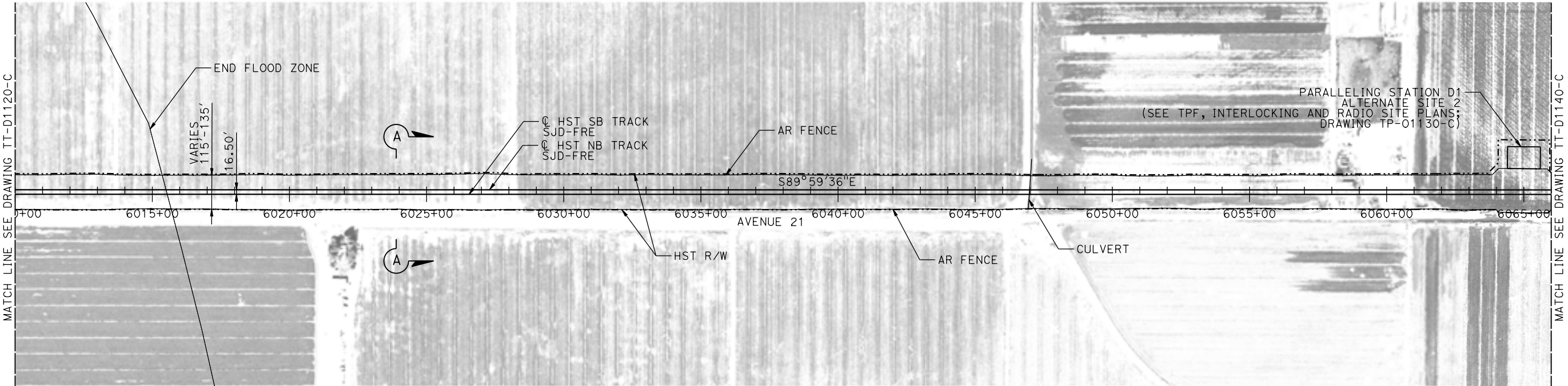
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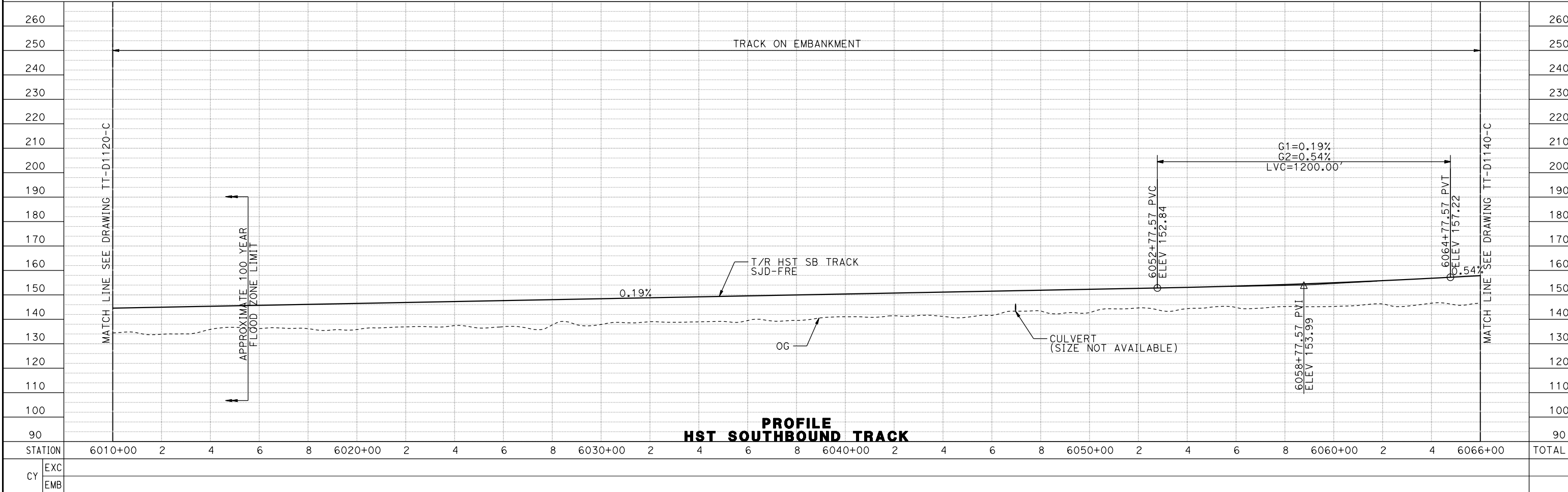
PROFILE
HST SOUTHBOUND TRACK

<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div> <div>TRACK PLAN AND PROFILE</div> <div>SJD-FRE STA 5954+00 TO 6010+00</div>		<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1120-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION							

MADERA COUNTY



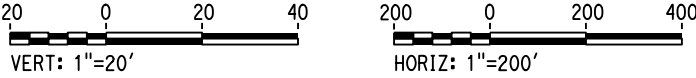
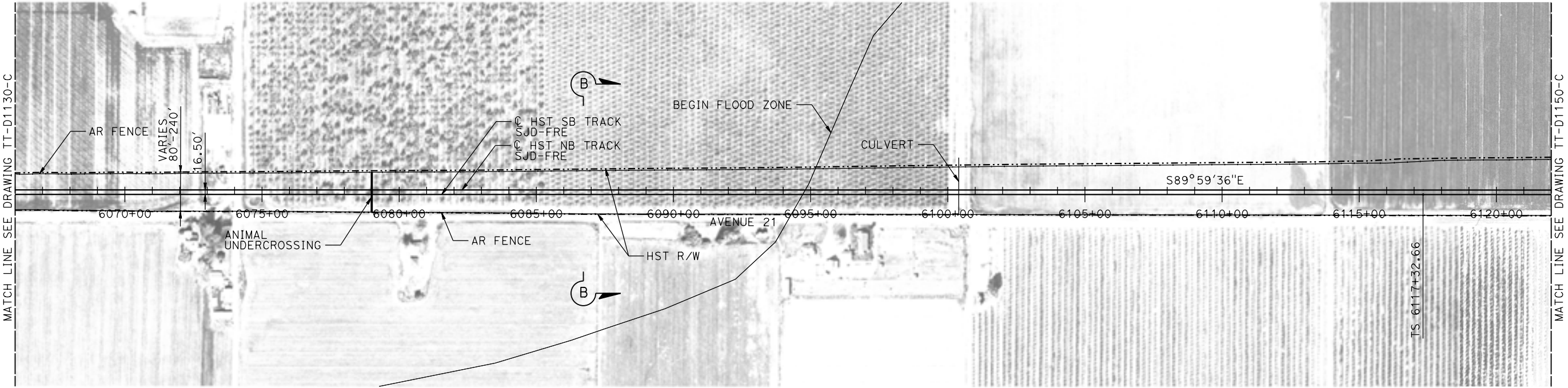
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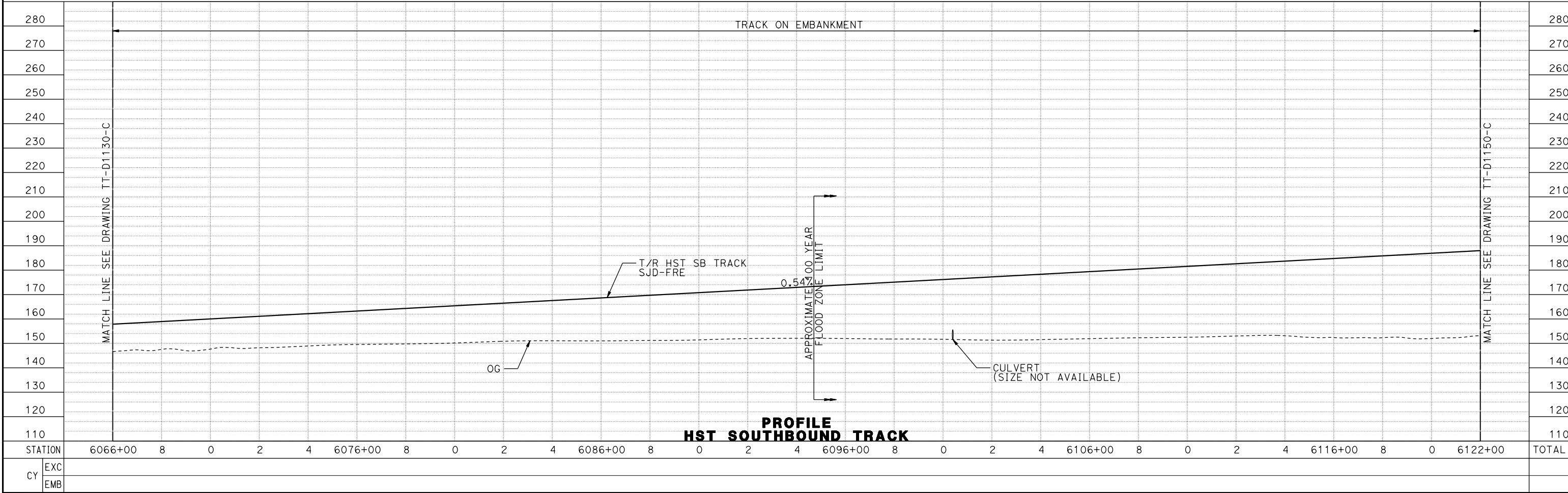
PROFILE
HST SOUTHBOUND TRACK

<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>			<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6010+00 TO 6066+00</div>	<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1130-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>																									
<table border="1"><thead><tr><th>REV</th><th>DATE</th><th>BY</th><th>CHK</th><th>APP</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	REV	DATE	BY	CHK					APP	DESCRIPTION																								
REV	DATE	BY	CHK	APP	DESCRIPTION																													



MADERA COUNTY



PLAN

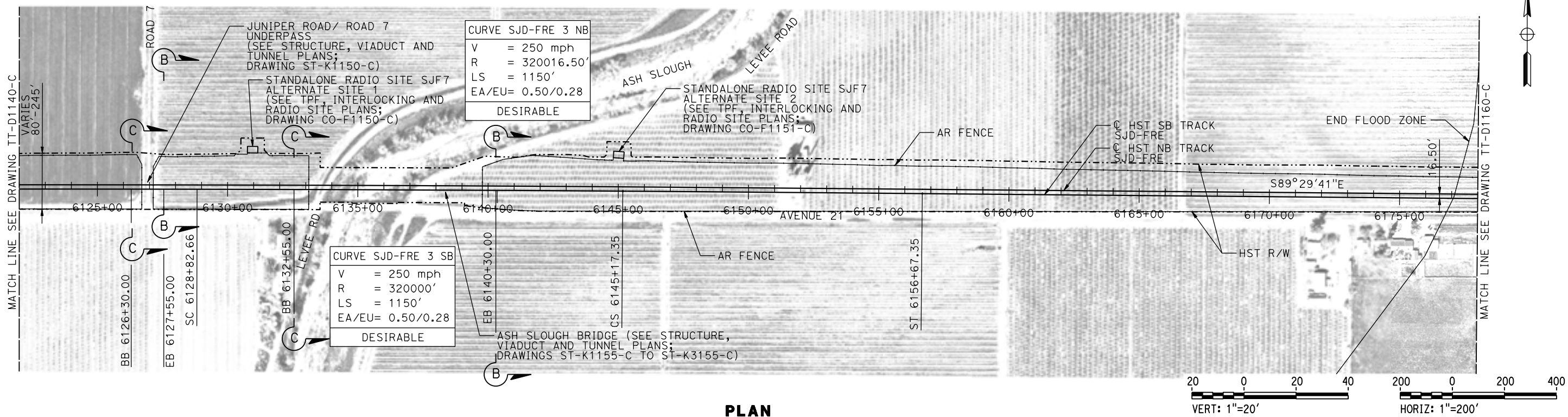


PROFILE
HST SOUTHBOUND TRACK

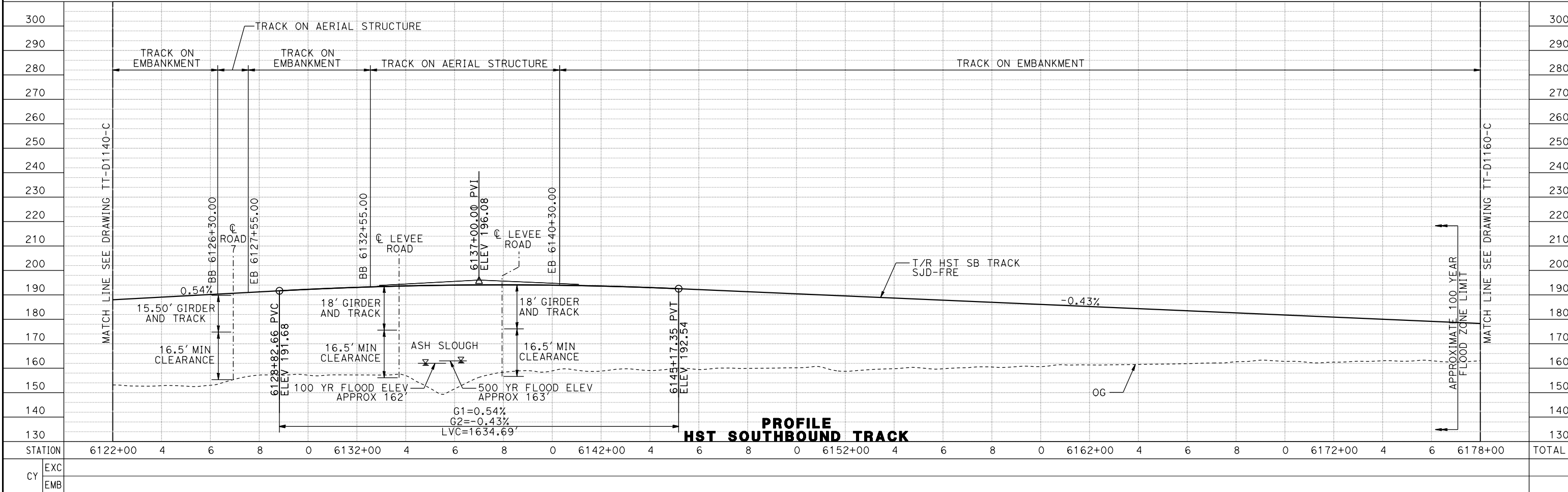
						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6066+00 TO 6122+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1140-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

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

MADERA COUNTY



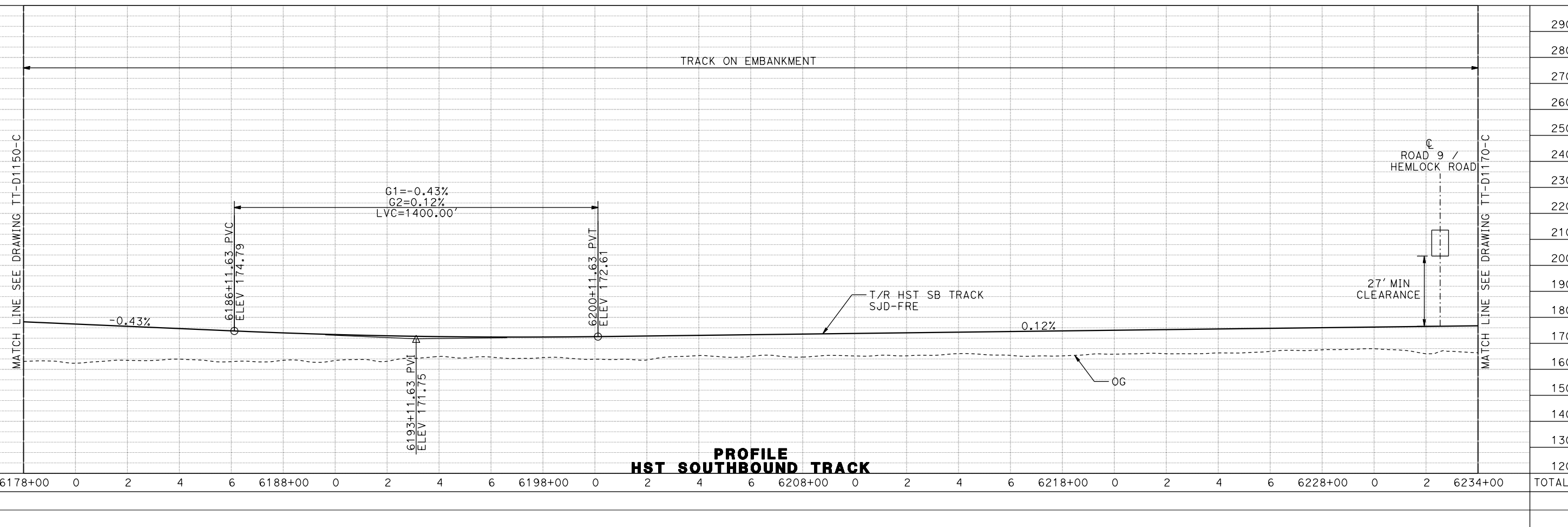
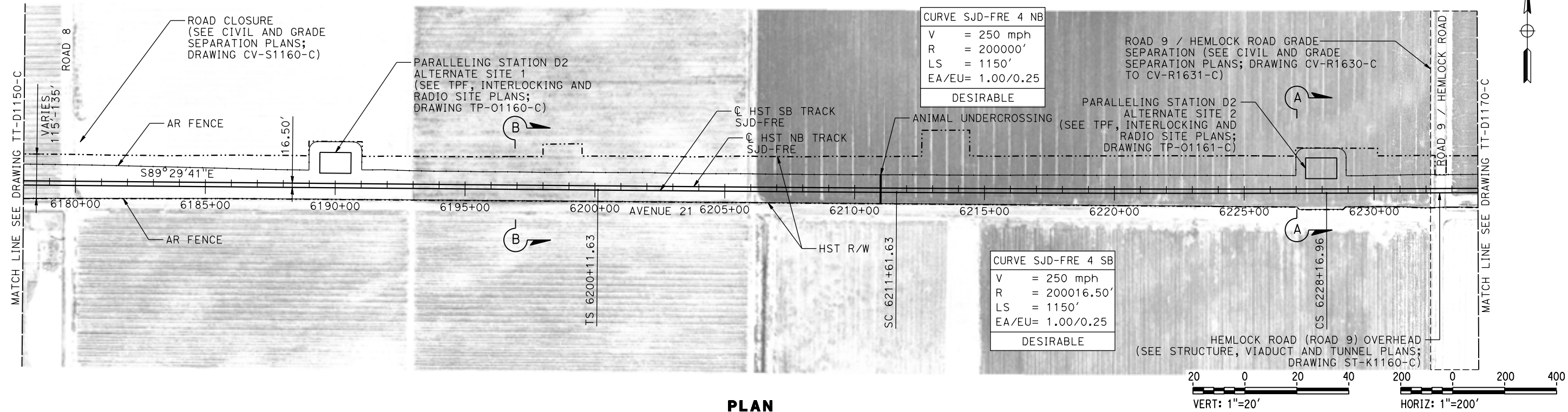
PLAN



PROFILE
HST SOUTHBOUND TRACK

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					<div>DRAWING NO. TT-D1150-C</div>									
					<div>SCALE AS SHOWN</div>									
					<div>SHEET NO.</div>									
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016								

MADERA COUNTY



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

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

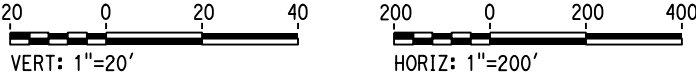
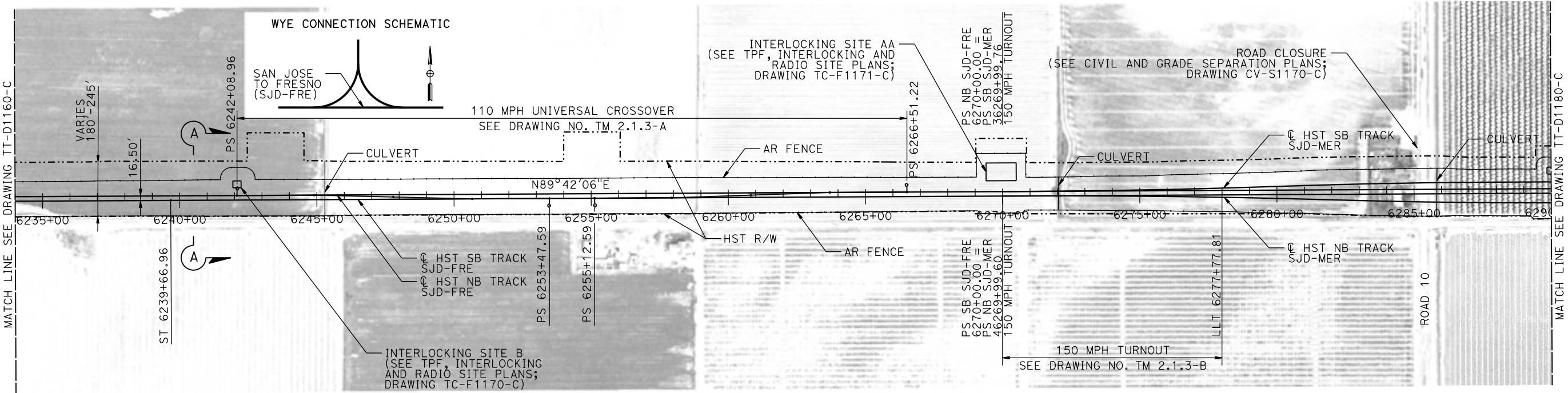


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

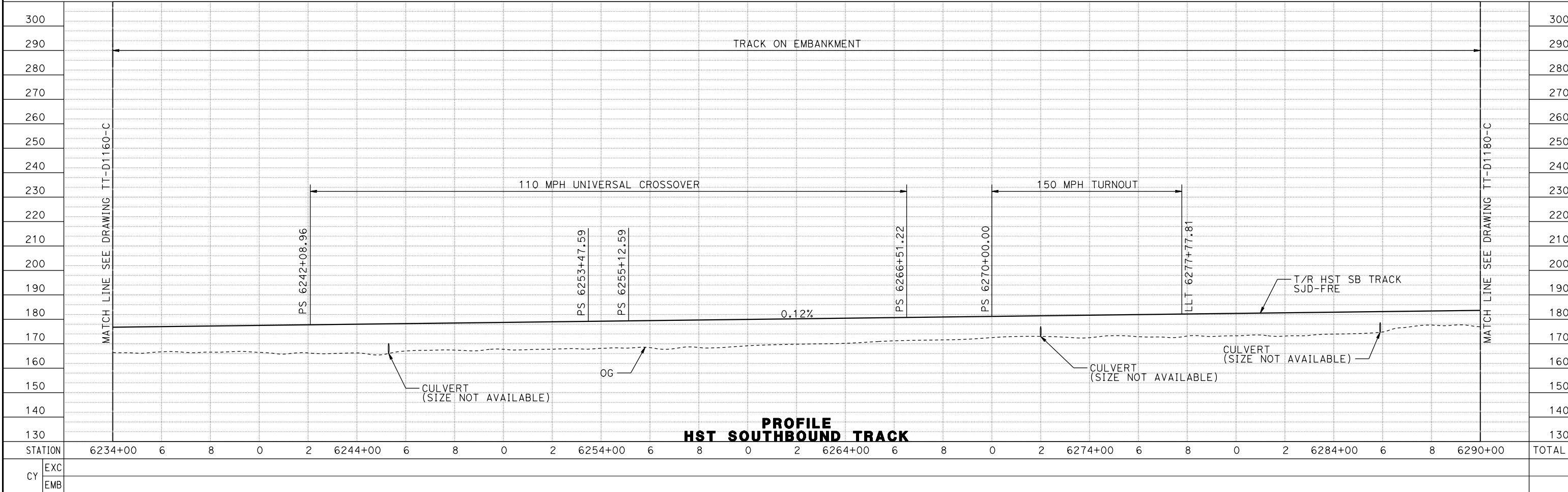
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

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

MADERA COUNTY



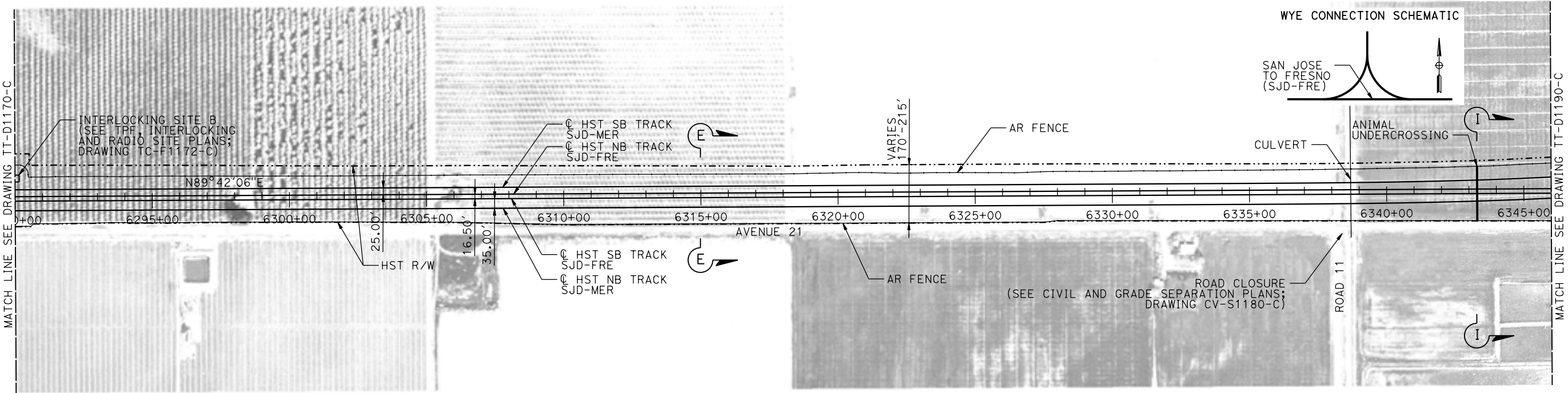
PLAN



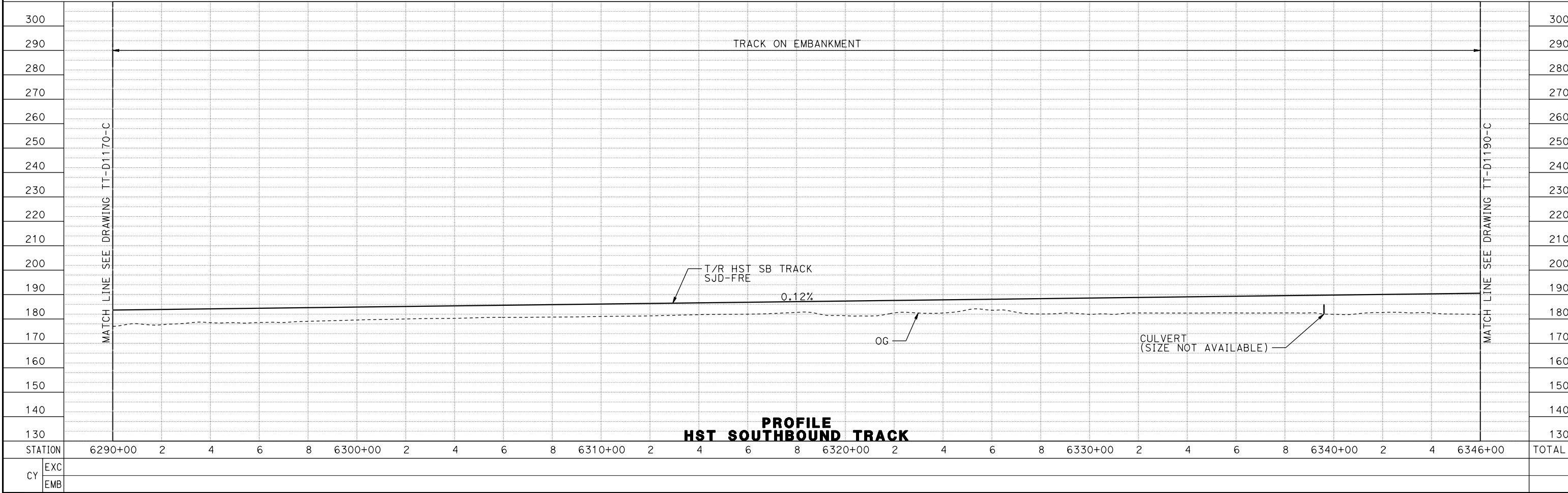
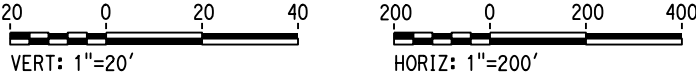
PROFILE
HST SOUTHBOUND TRACK

<div>11-MAR-2016 8:16 MF-TT-D1170-C.dgn</div>					<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>		<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div></div> <div></div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6234+00 TO 6290+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1170-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										



MADERA COUNTY

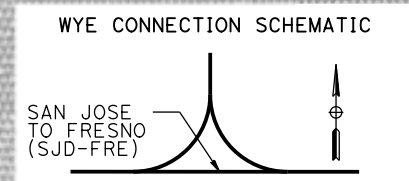


PLAN



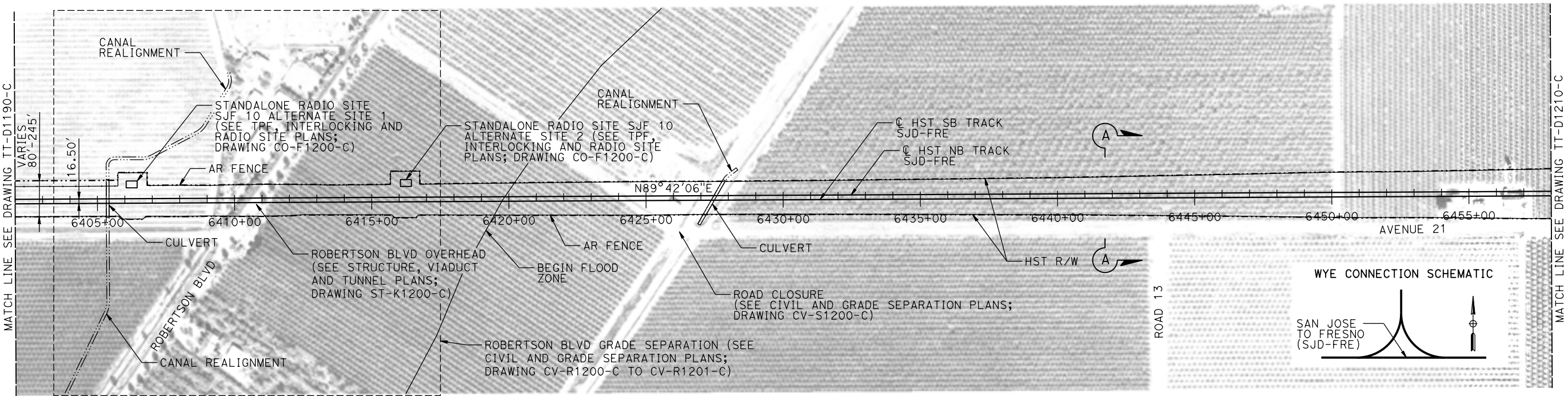
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6290+00 TO 6346+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1180-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

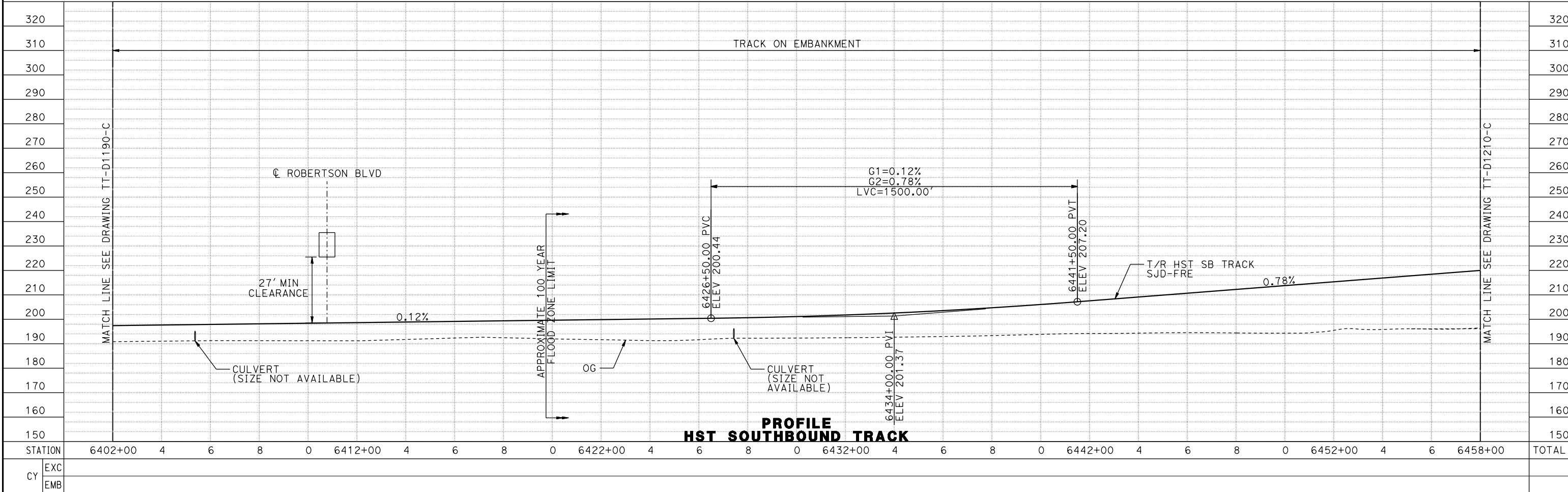
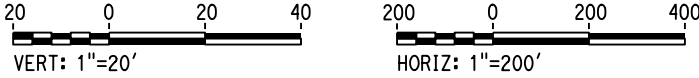


00042226 09-MAR-201608:36 MF-TT-D1190-C.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

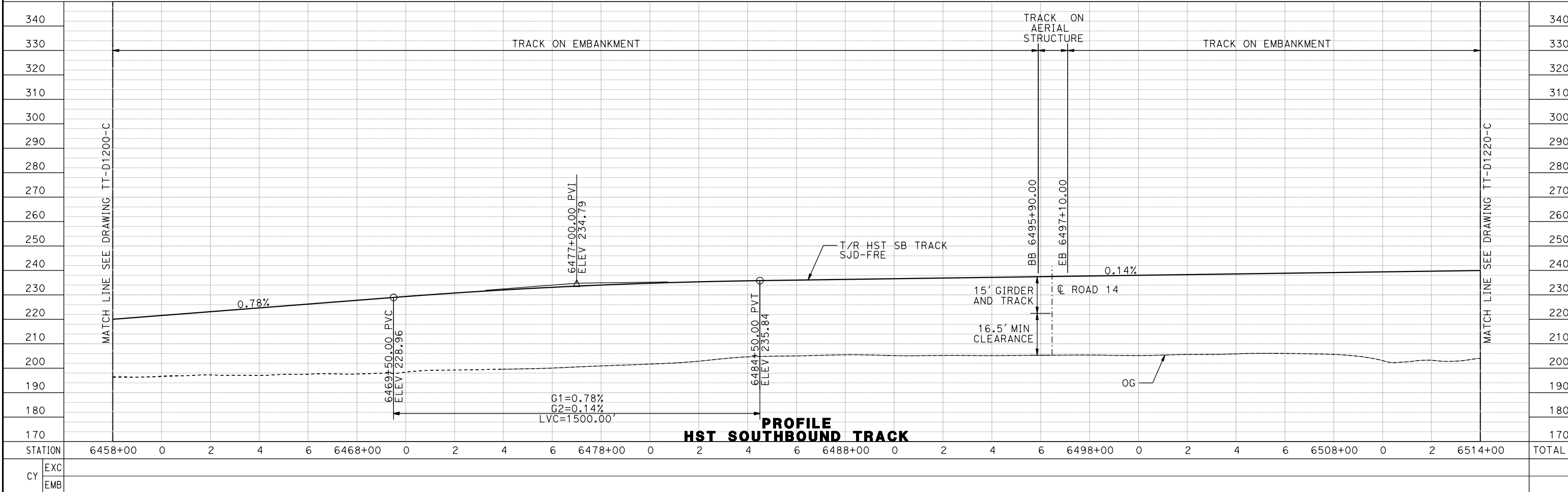
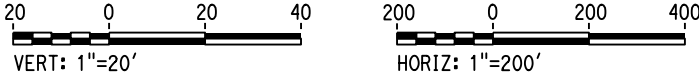
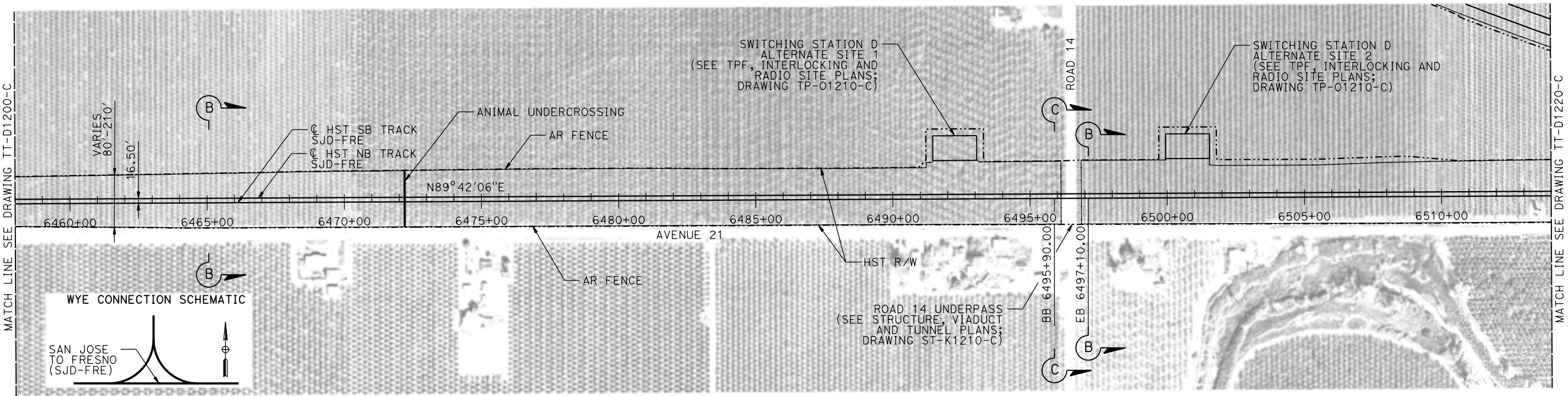
NOT FOR
CONSTRUCTION



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

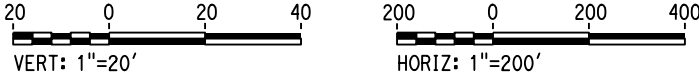
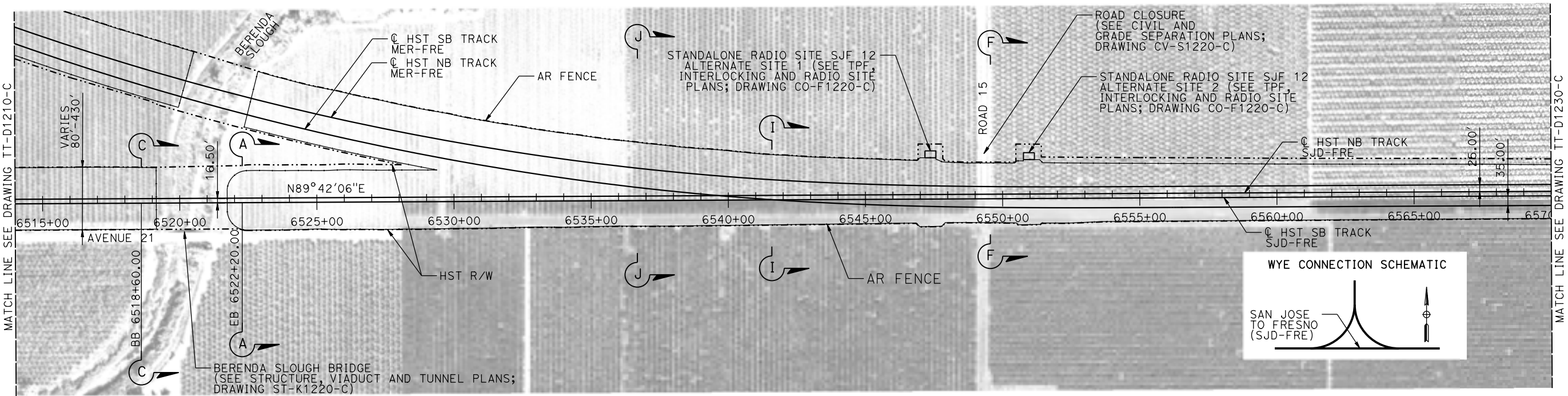
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1200-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

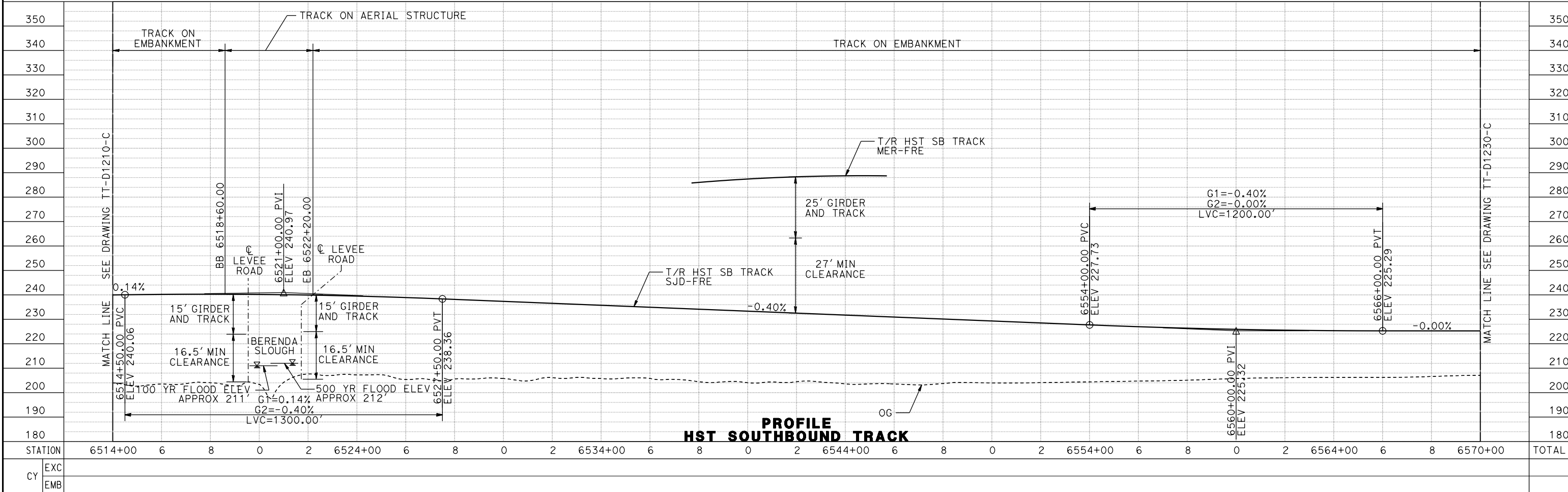


<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6458+00 TO 6514+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1210-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

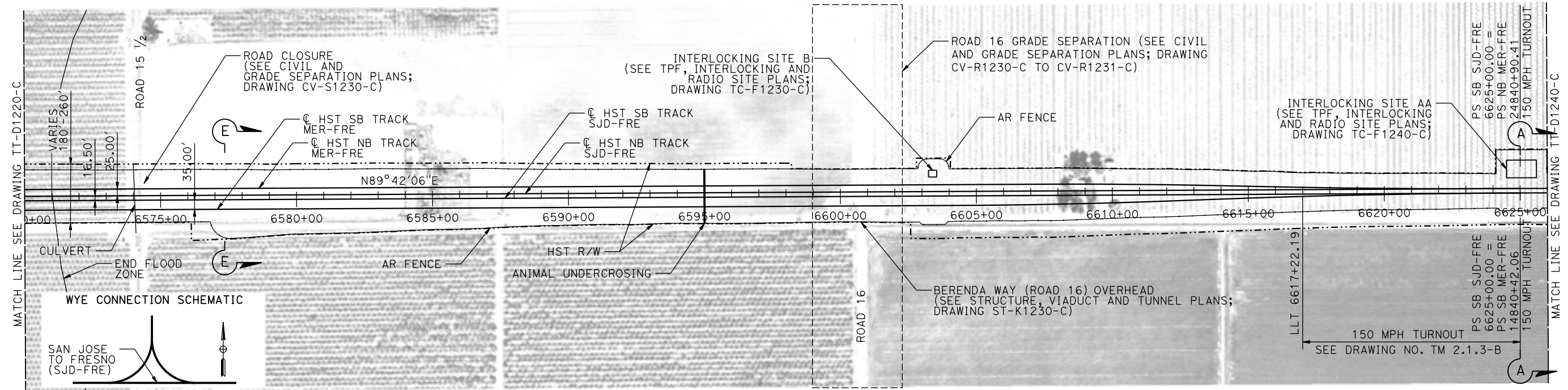
NOT FOR
CONSTRUCTION



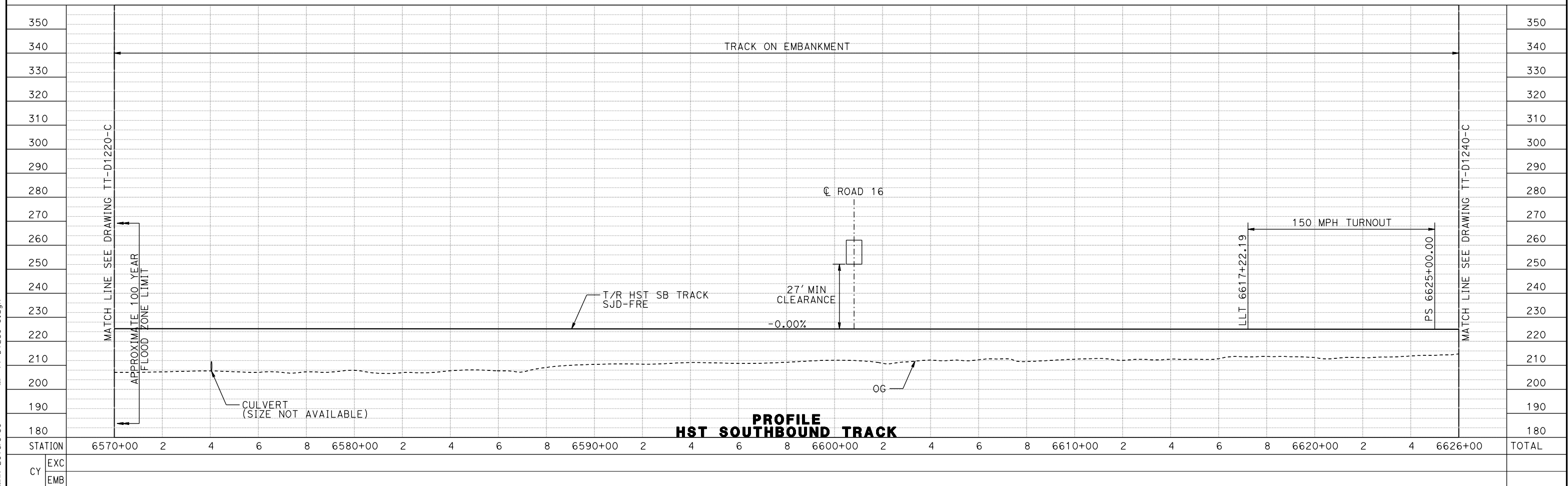
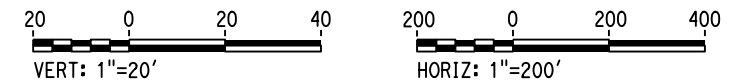
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION



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.

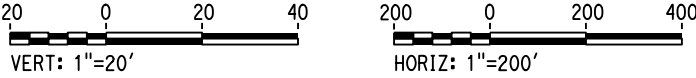
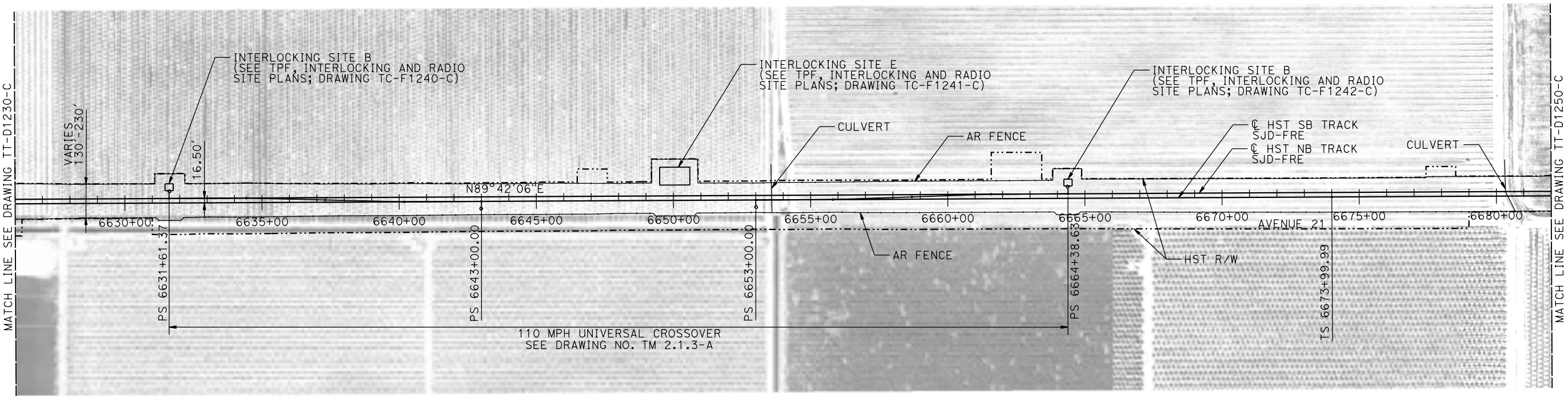
MADERA COUNTY

PLAN

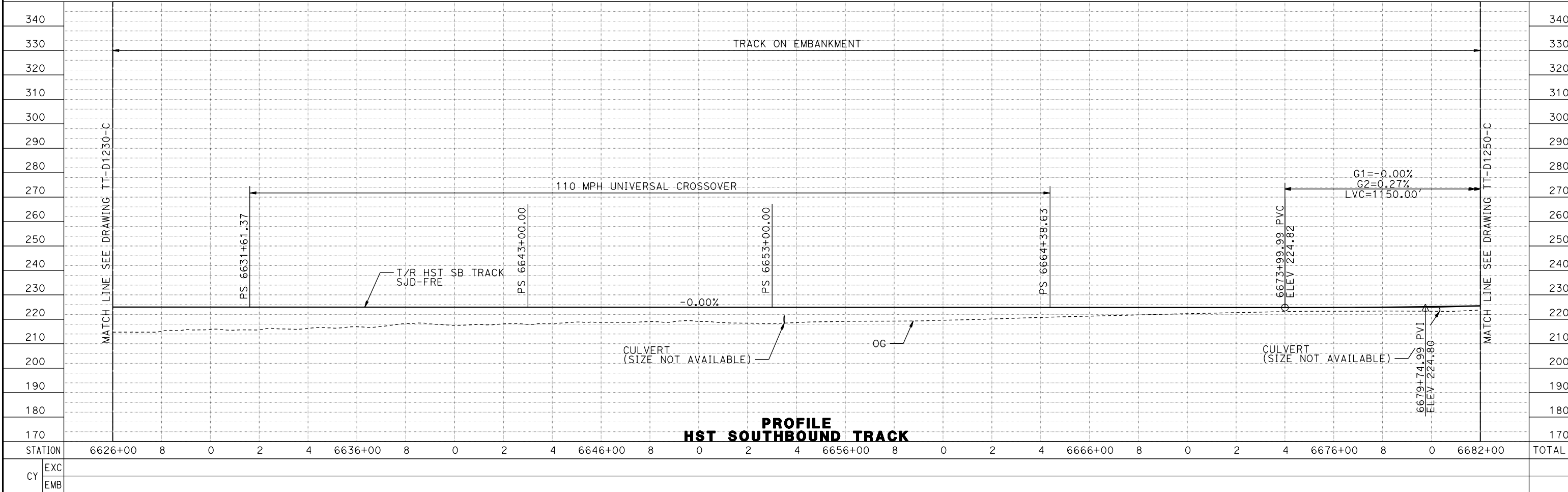


						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6570+00 TO 6626+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1230-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

MADERA COUNTY



PLAN

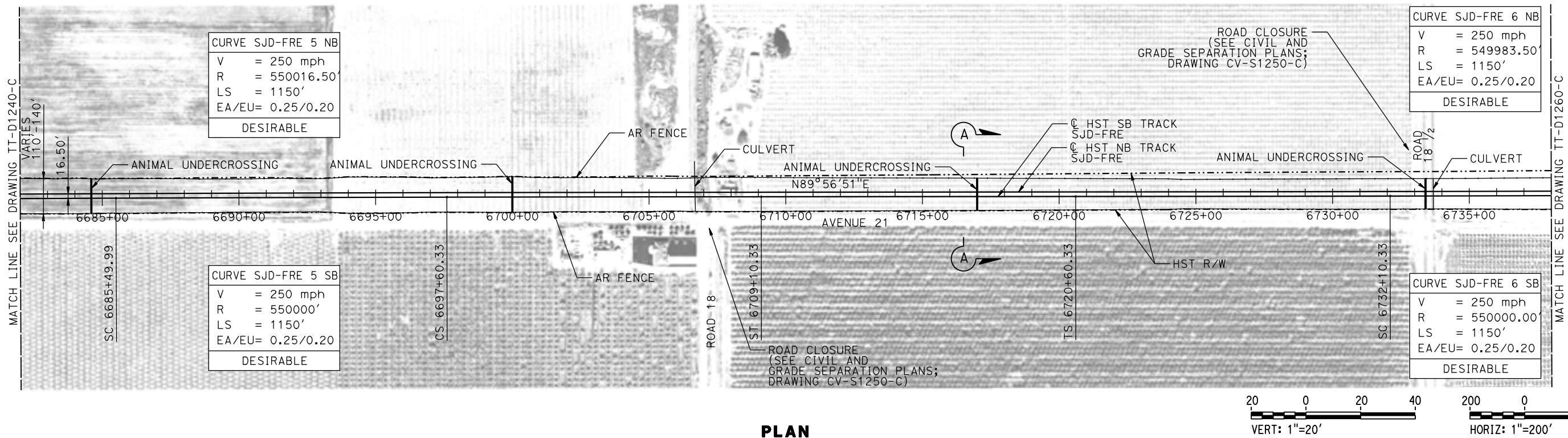


PROFILE
HST SOUTHBOUND TRACK

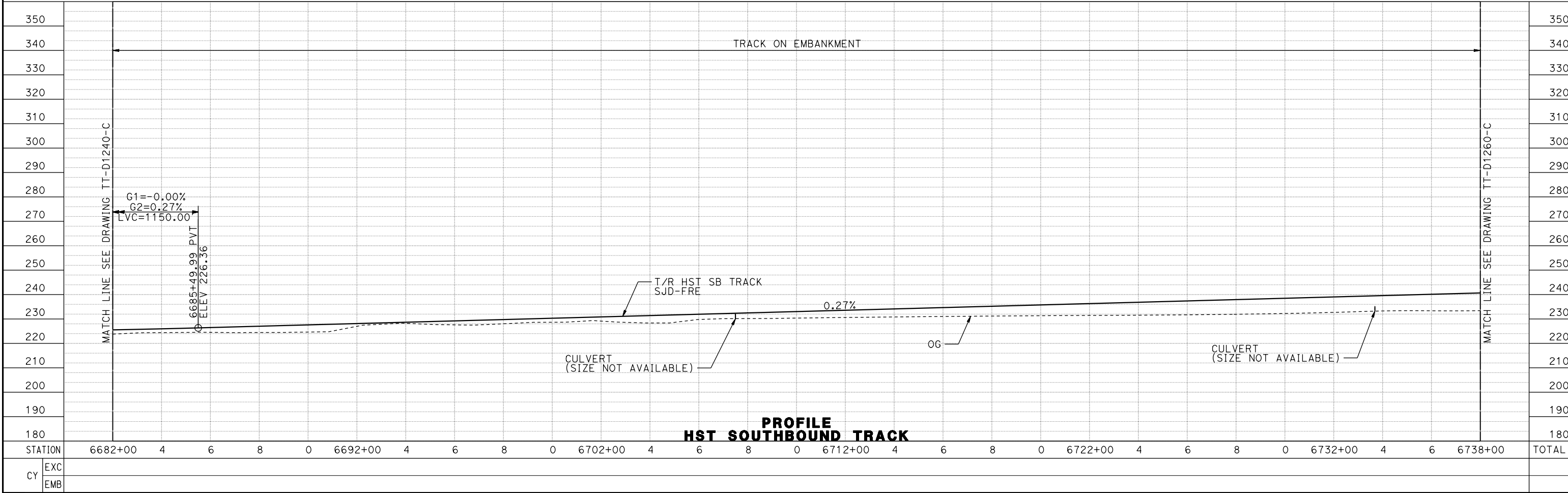
<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div> <div>TRACK PLAN AND PROFILE</div> <div>SJD-FRE STA 6626+00 TO 6682+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1240-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								

12-MAR-2016 10:07:00 MF-TT-D1240-C.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 10:07:01 MF-TT-D1250-C.dgn

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

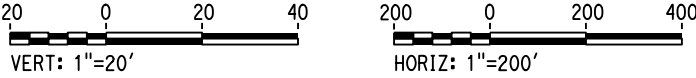
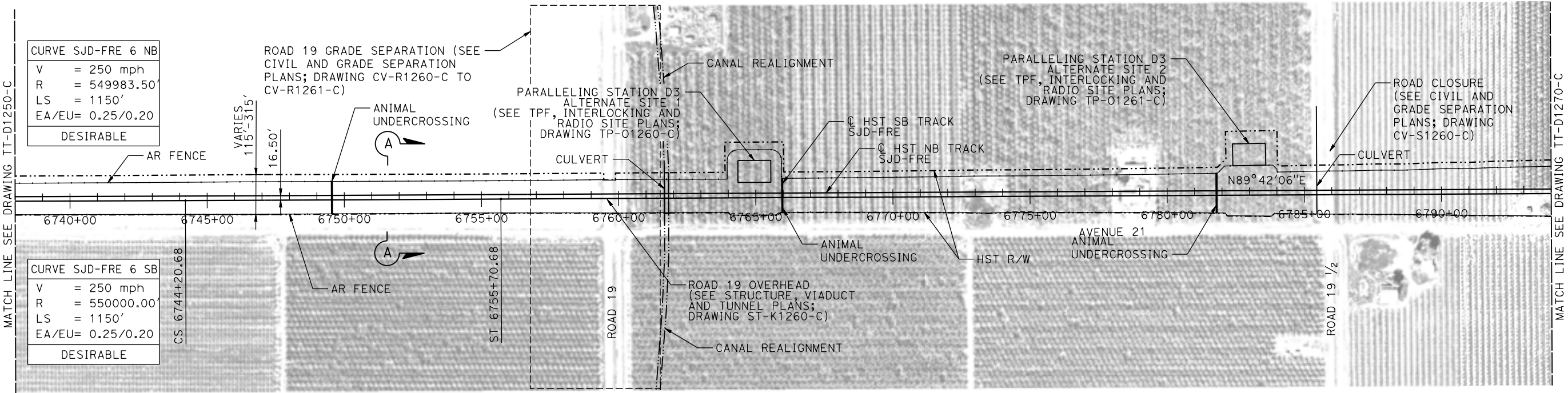
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CONSTRUCTION



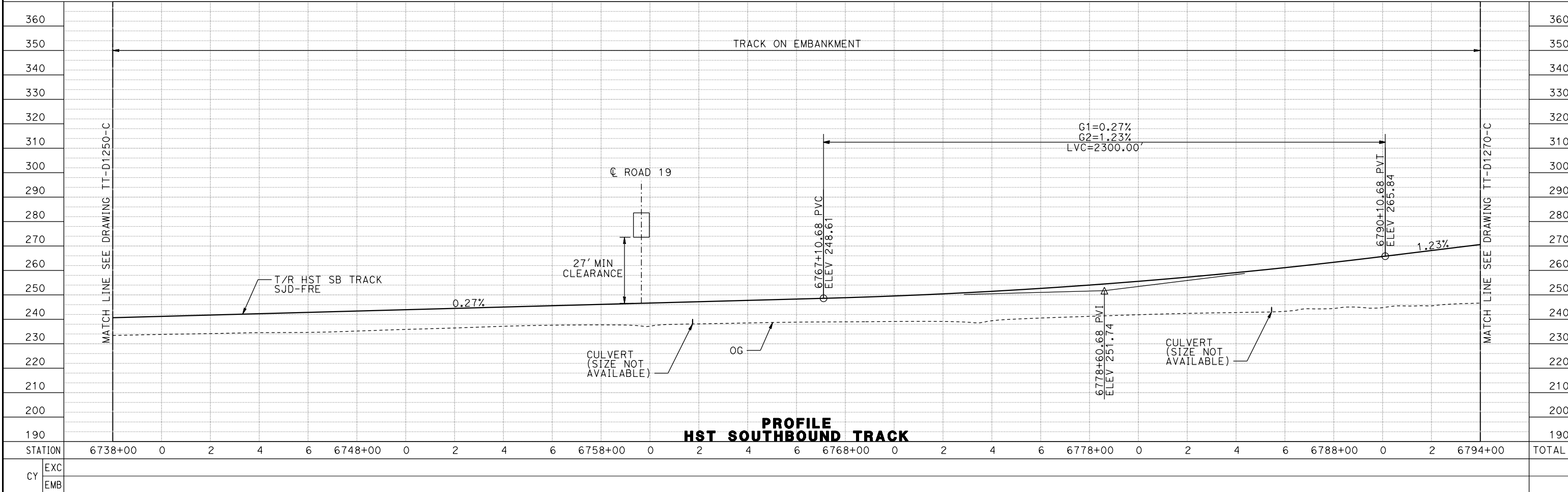
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6682+00 TO 6738+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

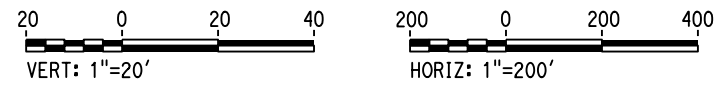
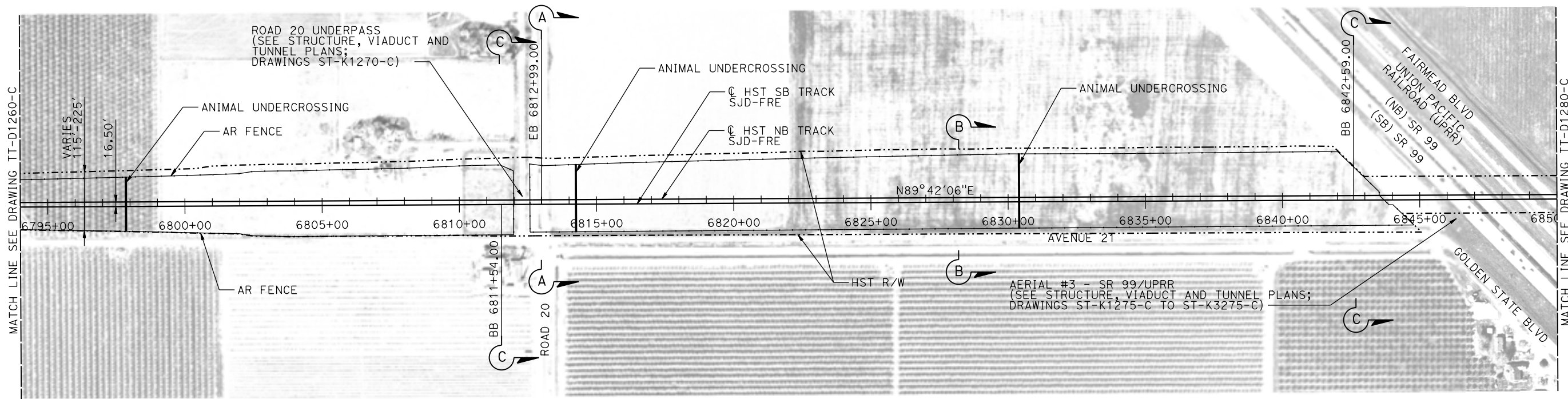
NOT FOR
CONSTRUCTION



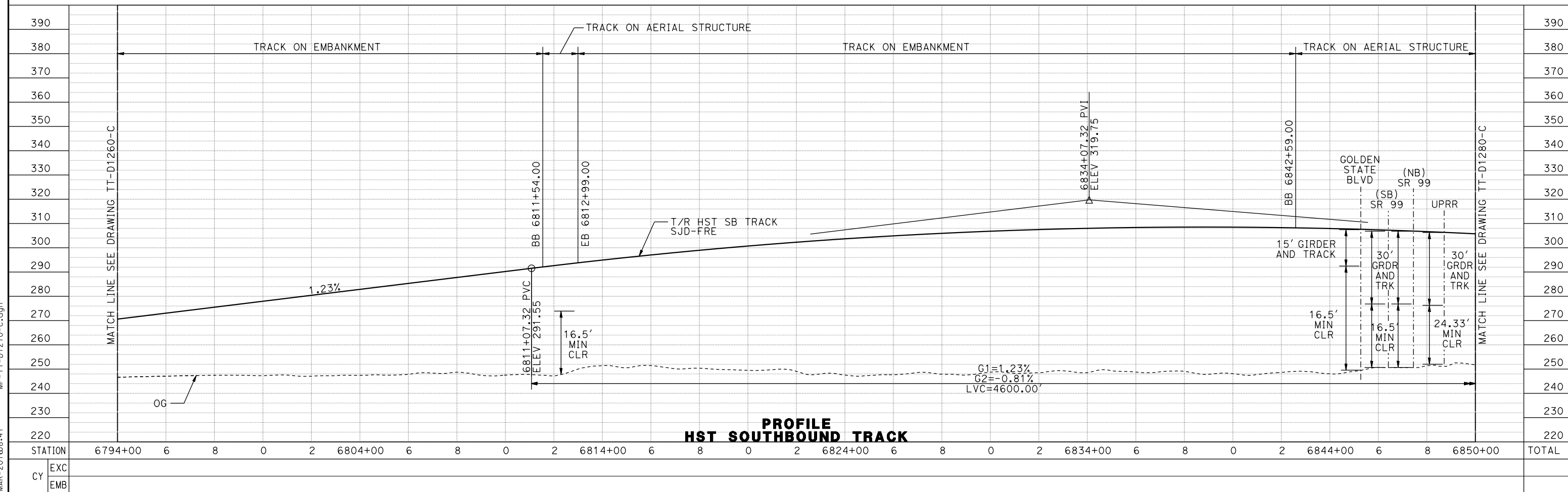
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6738+00 TO 6794+00

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

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

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

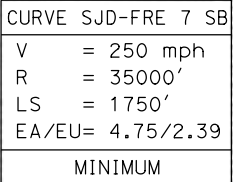
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1270-C



SCALE
AS SHOWN

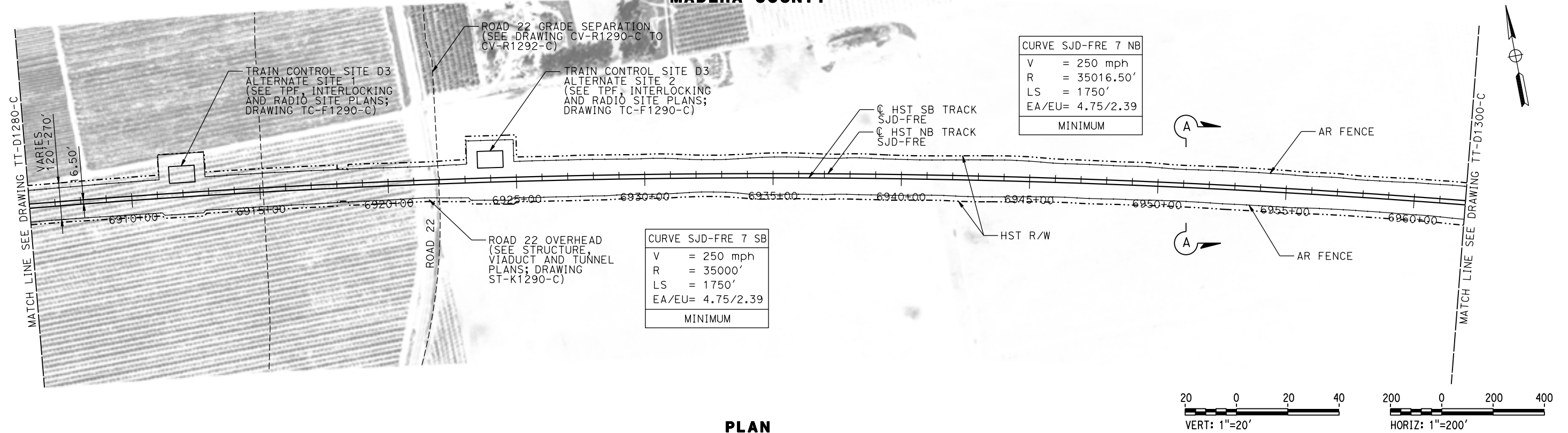
SHEET NO.

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R	= 35016.50'
LS	= 1750'
EA/EU=	4.75/2.39
MINIMUM	

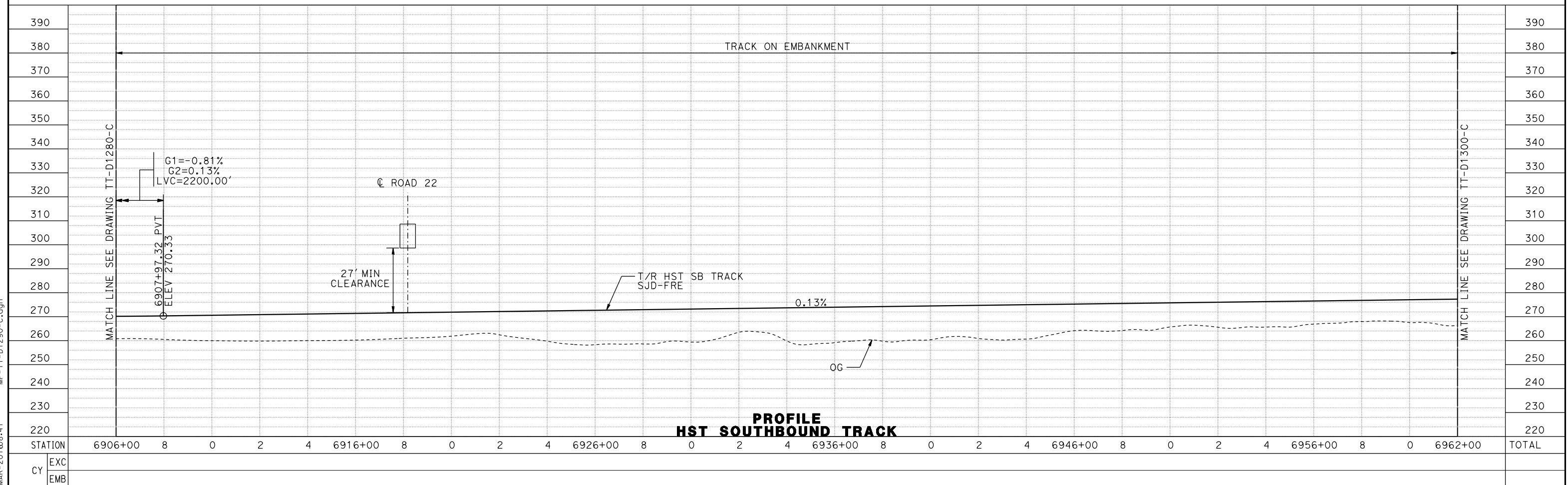


390	<p> TRACK ON AERIAL STRUCTURE TRACK ON EMBANKMENT MATCH LINE SEE DRAWING TT-D1270-C EB 6852+69.00 FAIRMEAD BLVD 30' GIRDER AND TRACK 16.5' MIN CLEARANCE $G1=1.23\%$ $G2=-0.81\%$ $LVC=4600.00'$ OG T/R HST SB TRACK SJD-FRE APPROXIMATE 100 YEAR FLOOD ZONE LIMIT APPROXIMATE 100 YEAR FLOOD ZONE LIMIT $G1=-0.81\%$ $G2=0.13\%$ $LVC=2200.00'$ 6857+07.32 PVT ELEV 301.16 6885+97.32 PVC ELEV 277.80 6896+97.32 PVI ELEV 268.90 MATCH LINE SEE DRAWING TT-D1290-C </p>															390															
380																380															
370																370															
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STATION		6850+00	2	4	6	8	6860+00	2	4	6	8	6870+00	2	4	6	8	6880+00	2	4	6	8	6890+00	2	4	6	8	6900+00	2	4	6906+00	TOTAL
CY	EXC																														
	EMB																														

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6850+00 TO 6906+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1280-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

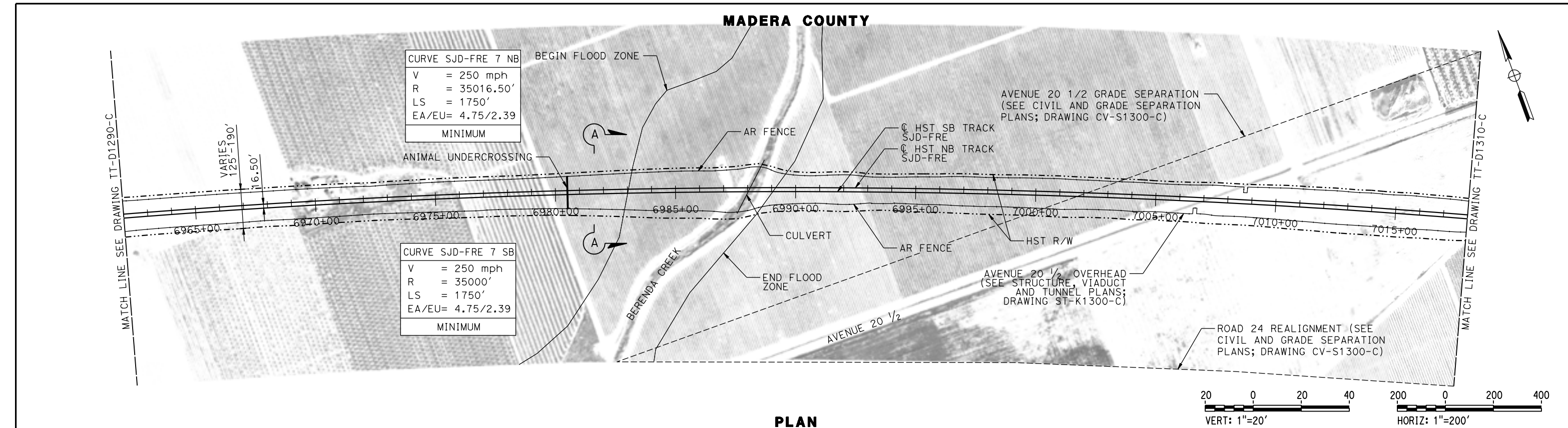
MADERA COUNTY

PLAN

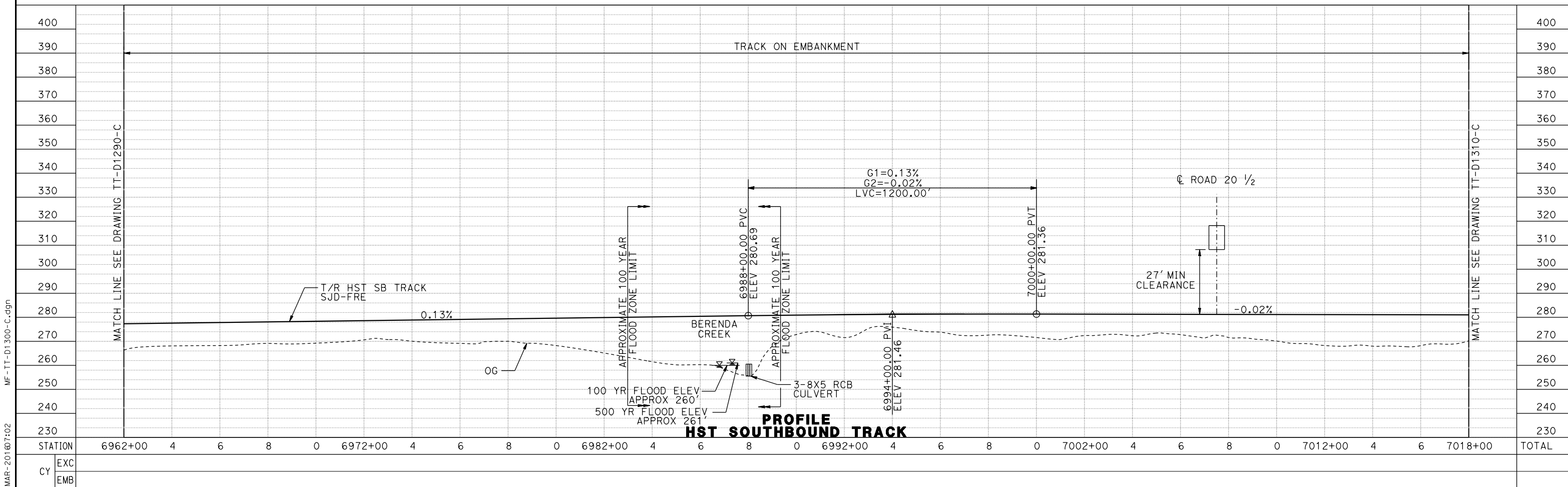


PROFILE HST SOUTHBOUND TRACK



						DESIGNED BY D. OLIVETI	RECORD SET 16% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			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
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1290-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						



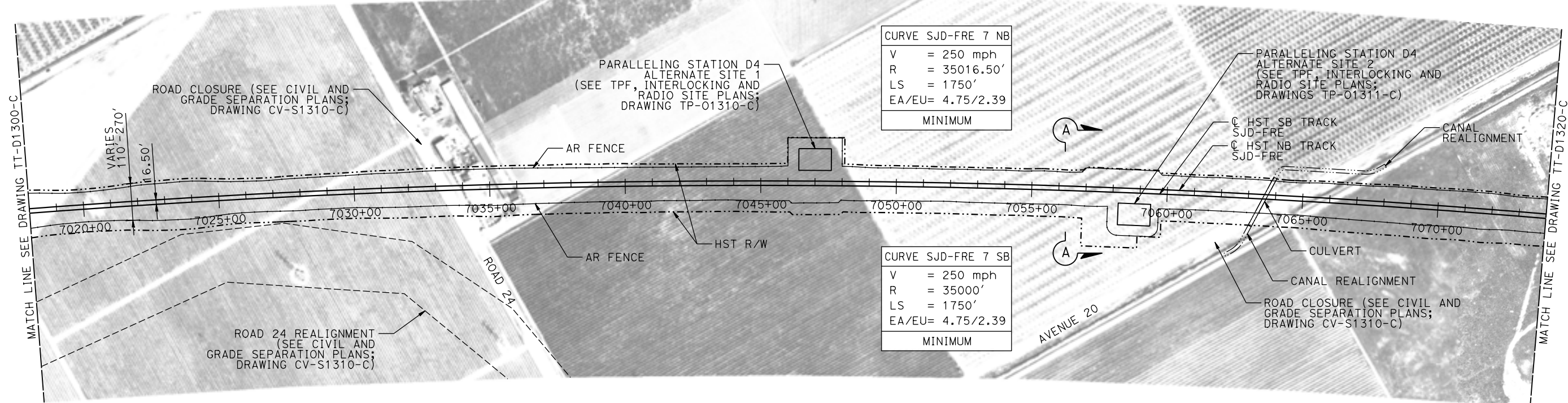
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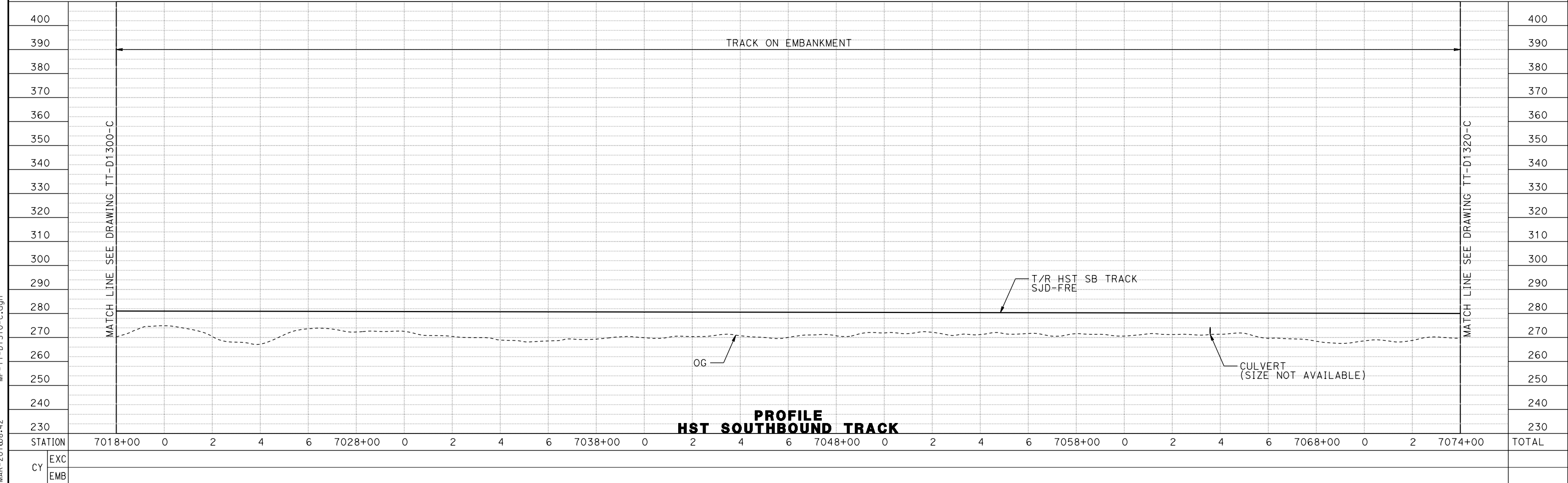
12-MAR-2016 10:07:02 MF-TT-D1300-C.dgn

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6962+00 TO 7018+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. TT-D1300-C
CHECKED BY N. OUM					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION

MADERA COUNTY

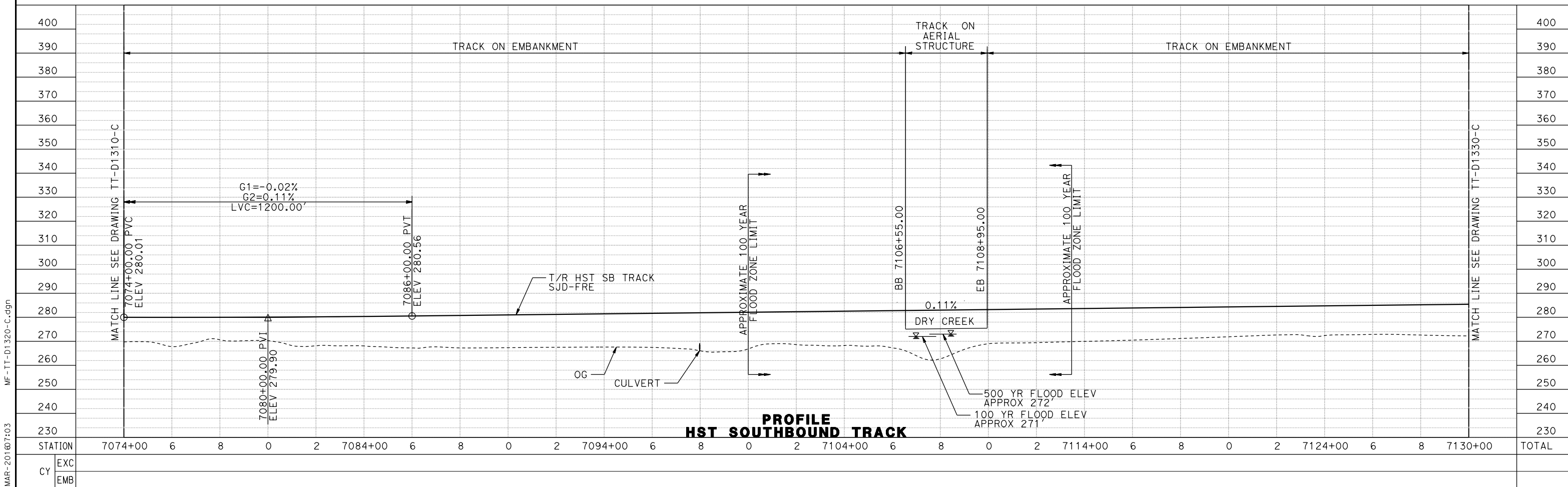
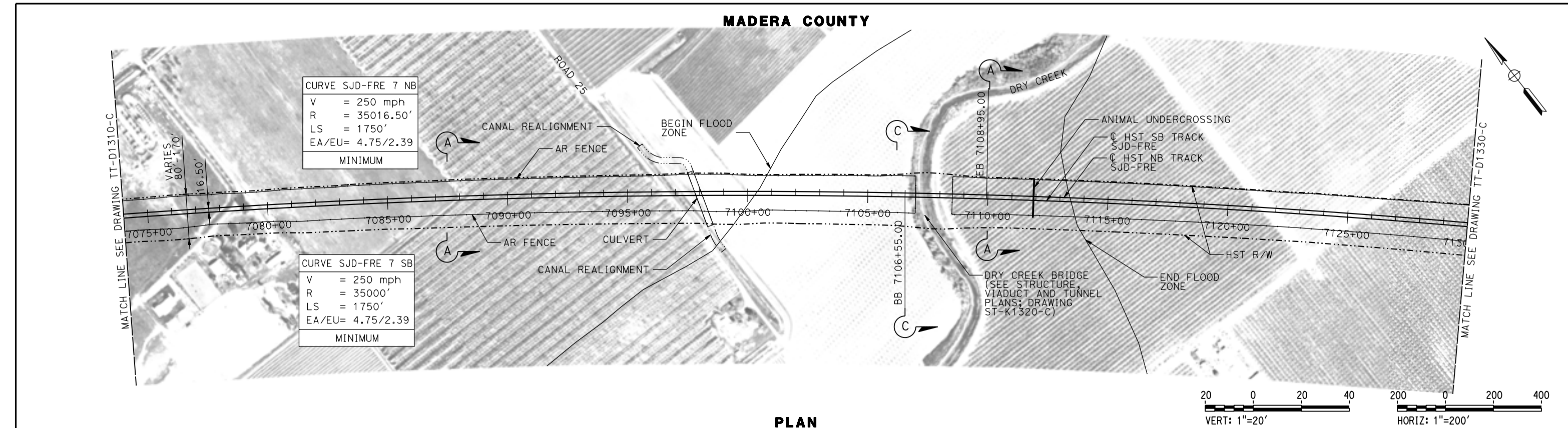


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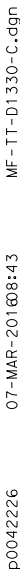


PROFILE
HST SOUTHBOUND TRACK

<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div> <div>TRACK PLAN AND PROFILE</div> <div>SJD-FRE STA 7018+00 TO 7074+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1310-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								

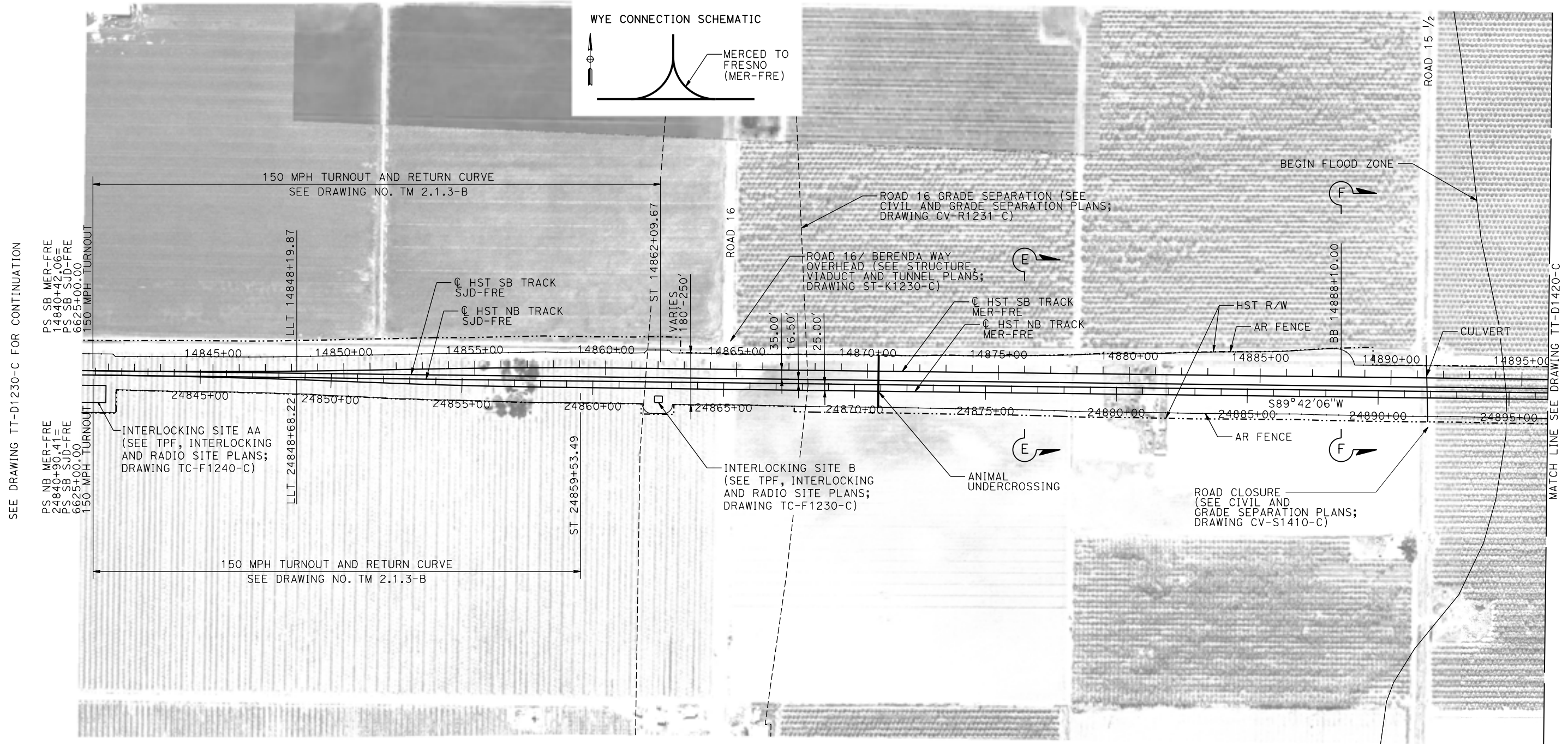
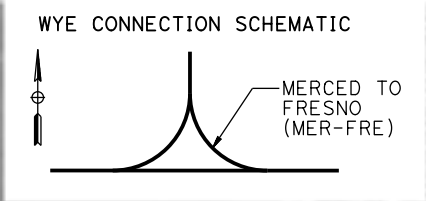


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						<div>DRAWN BY M. TACTAY</div>						<div>DRAWING NO. TT-D1320-C</div>		<div>SCALE AS SHOWN</div>			
						<div>CHECKED BY N. OUM</div>											
						<div>IN CHARGE C. LEMLEY</div>											
<div>REV DATE BY CHK APP DESCRIPTION</div>						<div>DATE 03/18/2016</div>						<div>SHEET NO.</div>					

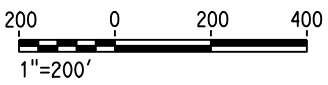


						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 7130+00 TO 7147+86.07	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1330-C
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

MADERA COUNTY



PLAN



12-MAR-2016 10:07:04 MF-TT-D1410-C.dgn

00042226

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

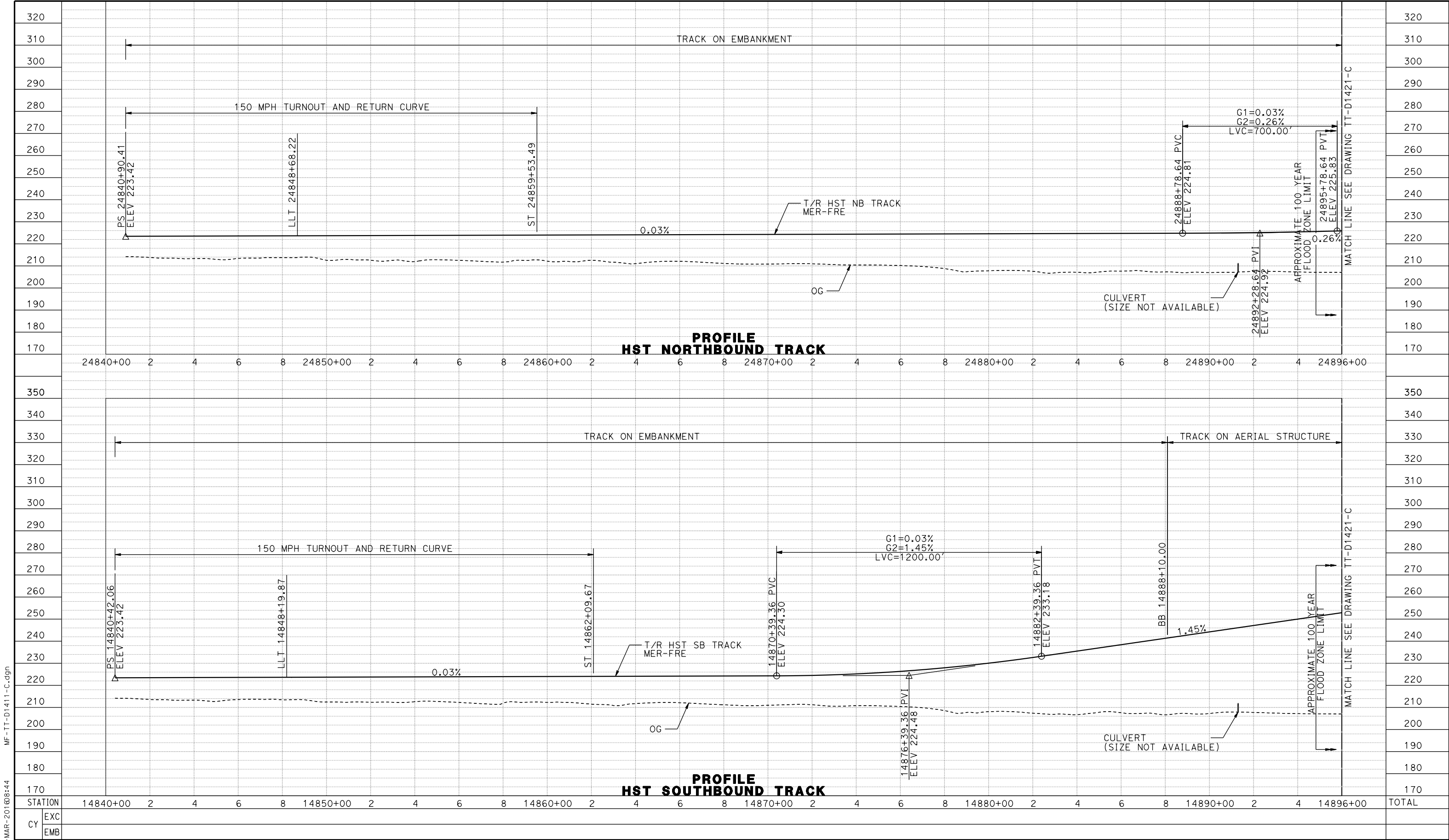
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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.



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

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

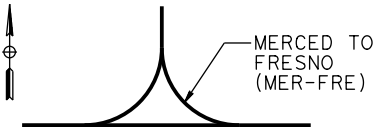


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 14840+00 TO 14896+00

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

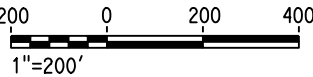
MADERA COUNTY

WYE CONNECTION SCHEMATIC



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	



PLAN

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



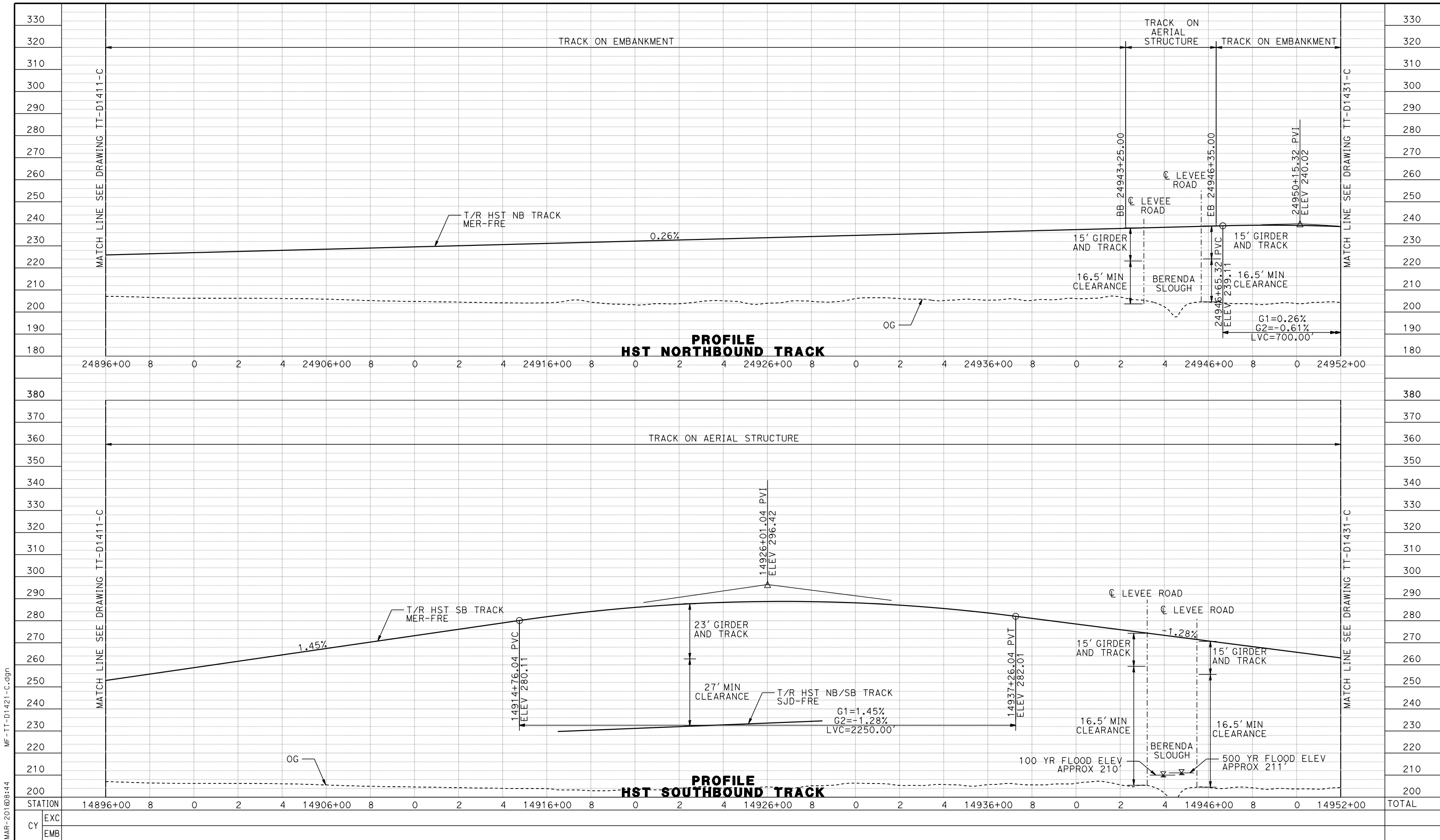
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

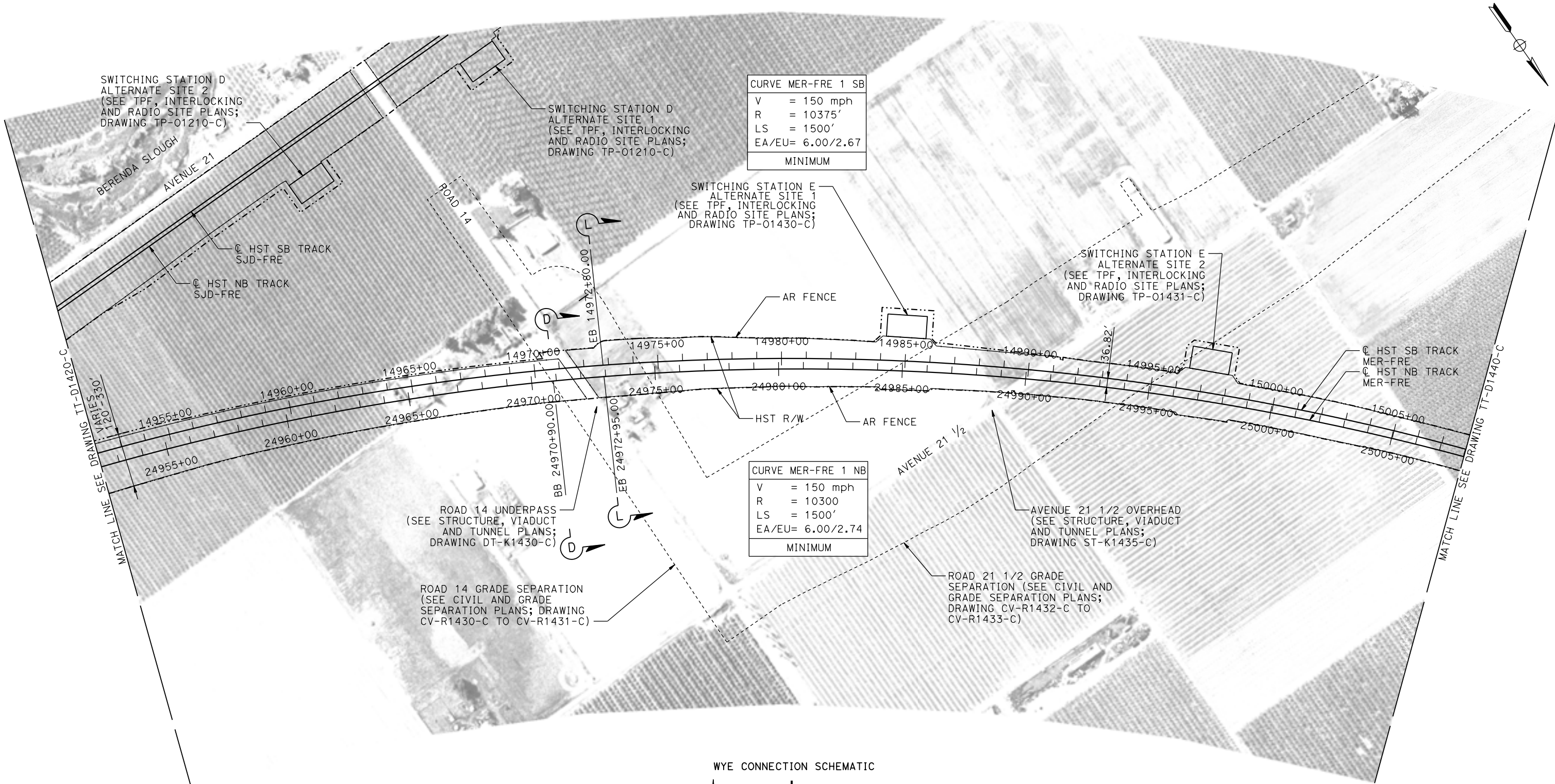
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DRAWING NO. TT-D1420-C
SCALE AS SHOWN
SHEET NO.

07-MAR-2016 08:46 MF-TT-D1420-C.dgn



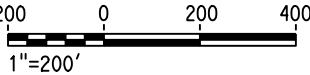
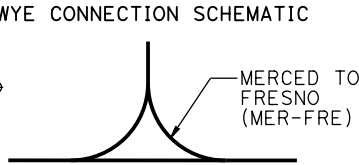
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						<div>DRAWN BY M. TACTAY</div>					<div>CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div>			<div>DRAWING NO. TT-D1421-C</div>											
						<div>CHECKED BY ELVIS C.</div>					<div>TRACK PROFILE MER-FRE STA 14896+00 TO 14952+00</div>			<div>SCALE AS SHOWN</div>											
						<div>IN CHARGE C. LEMLEY</div>								<div>SHEET NO.</div>											
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REV	DATE	BY	CHK	APP	DESCRIPTION																				

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	



PLAN

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

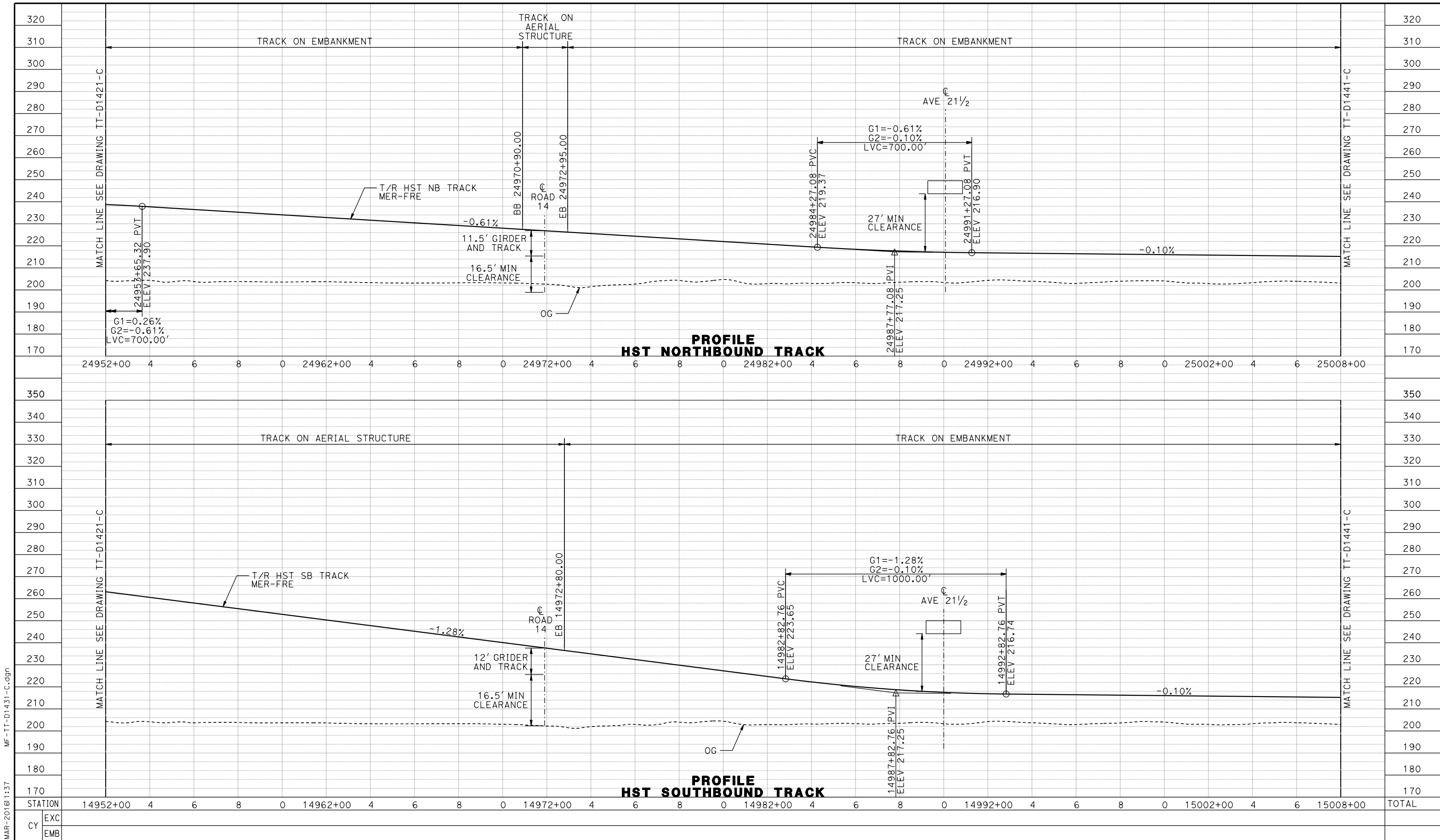
NOT FOR
CONSTRUCTION



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.

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



MF-TT-D1431-C.dgn 17-MAR-2016 1:37 p005133A

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

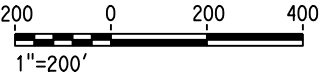
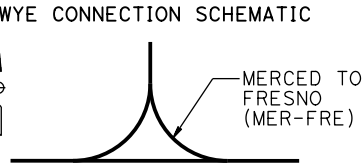
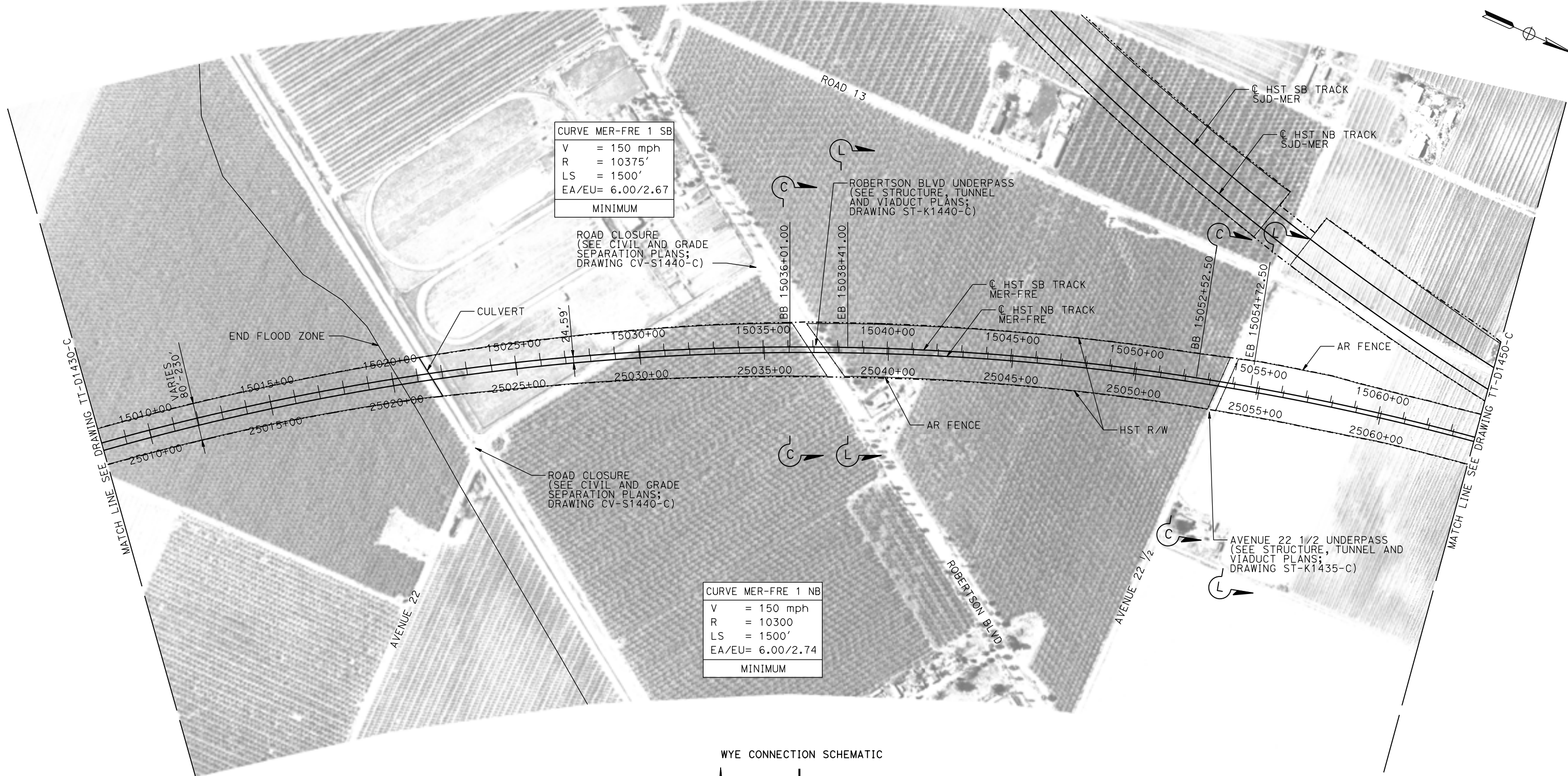


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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.

MADERA COUNTY



PLAN

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

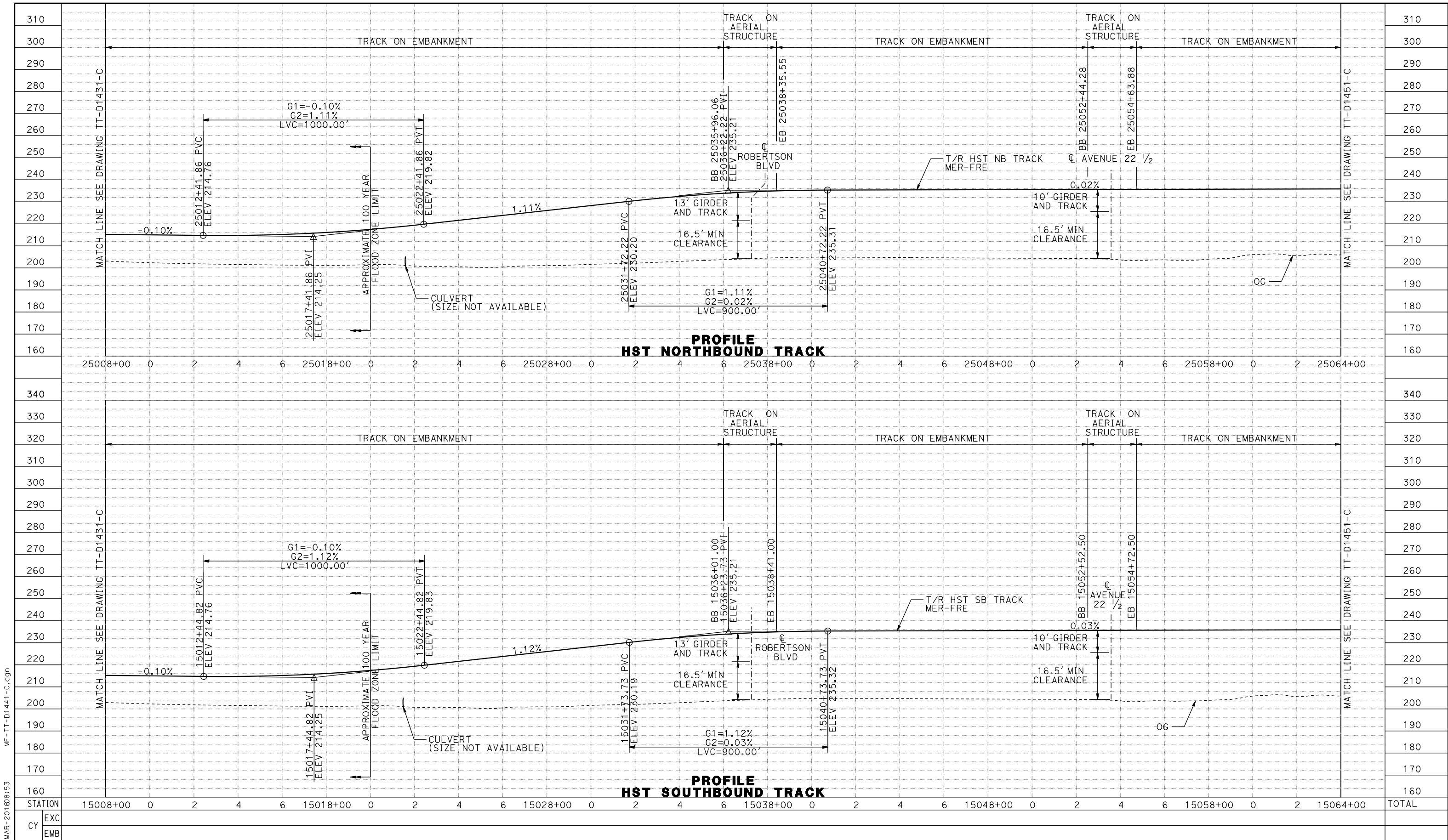
NOT FOR
CONSTRUCTION



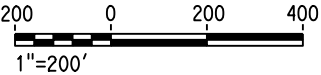
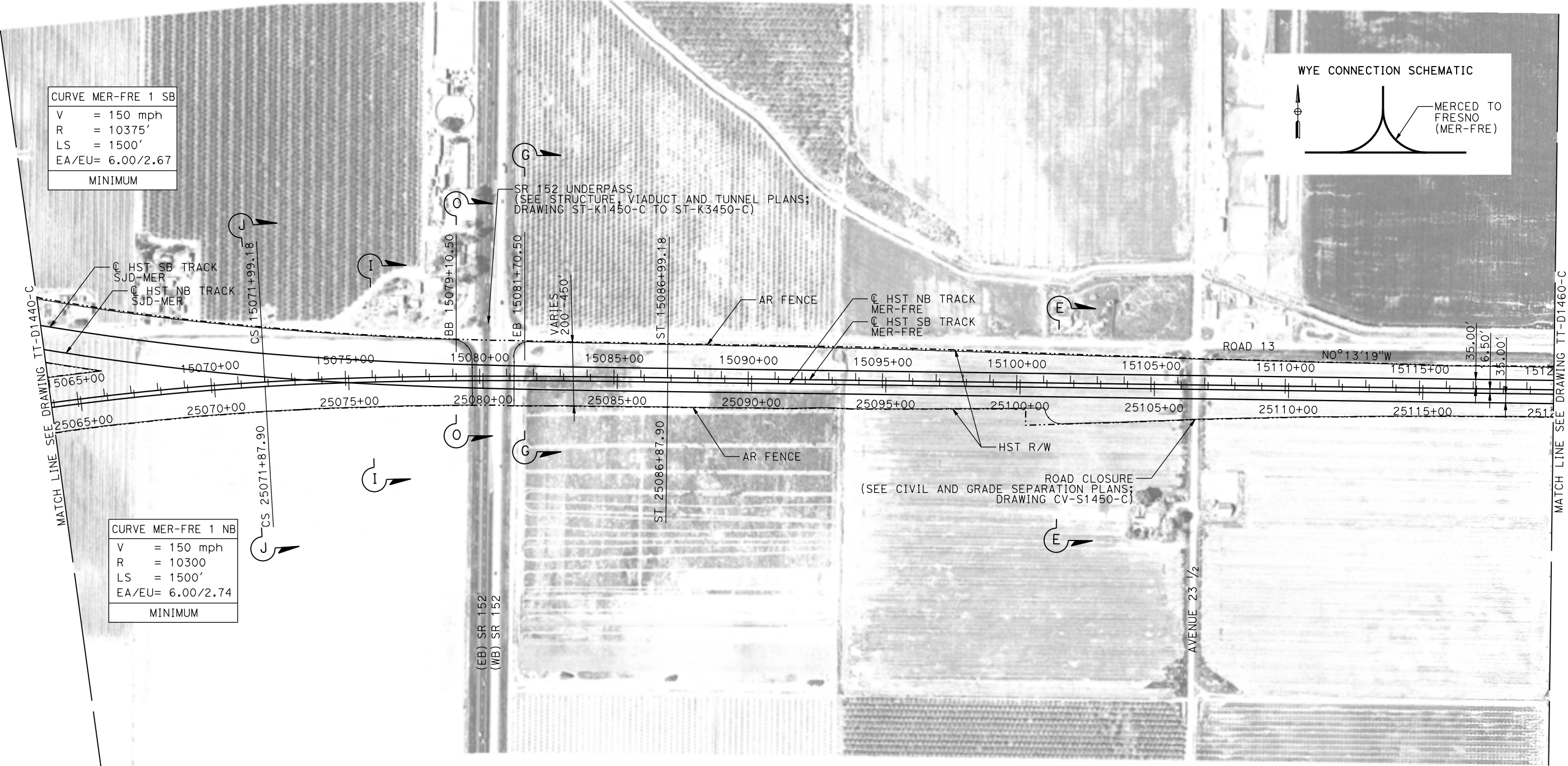
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15008+00 TO 15064+00

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

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



<div>MF-TT-D1441-C.dgn</div> <div>07-MAR-2016 08:53</div> <div>p0042226</div>					<table><tr><td>DESIGNED BY</td><td>D. OLIVETI</td></tr><tr><td>DRAWN BY</td><td>M. TACTAY</td></tr><tr><td>CHECKED BY</td><td>ELVIS C.</td></tr><tr><td>IN CHARGE</td><td>C. LEMLEY</td></tr><tr><td>DATE</td><td>03/18/2016</td></tr></table>					DESIGNED BY	D. OLIVETI	DRAWN BY	M. TACTAY	CHECKED BY	ELVIS C.	IN CHARGE	C. LEMLEY	DATE	03/18/2016	<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div> <div>TRACK PROFILE</div> <div>MER-FRE STA 15008+00 TO 15064+00</div>				<div>CONTRACT NO.</div> <div>HSR08-05</div> <div>DRAWING NO.</div> <div>TT-D1441-C</div> <div>SCALE</div> <div>AS SHOWN</div> <div>SHEET NO.</div>	
DESIGNED BY	D. OLIVETI																												
DRAWN BY	M. TACTAY																												
CHECKED BY	ELVIS C.																												
IN CHARGE	C. LEMLEY																												
DATE	03/18/2016																												
REV	DATE	BY	CHK	APP	DESCRIPTION					TOTAL																			



PLAN

07-MAR-2016 01:52 MF-TT-D1450-C.dgn

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

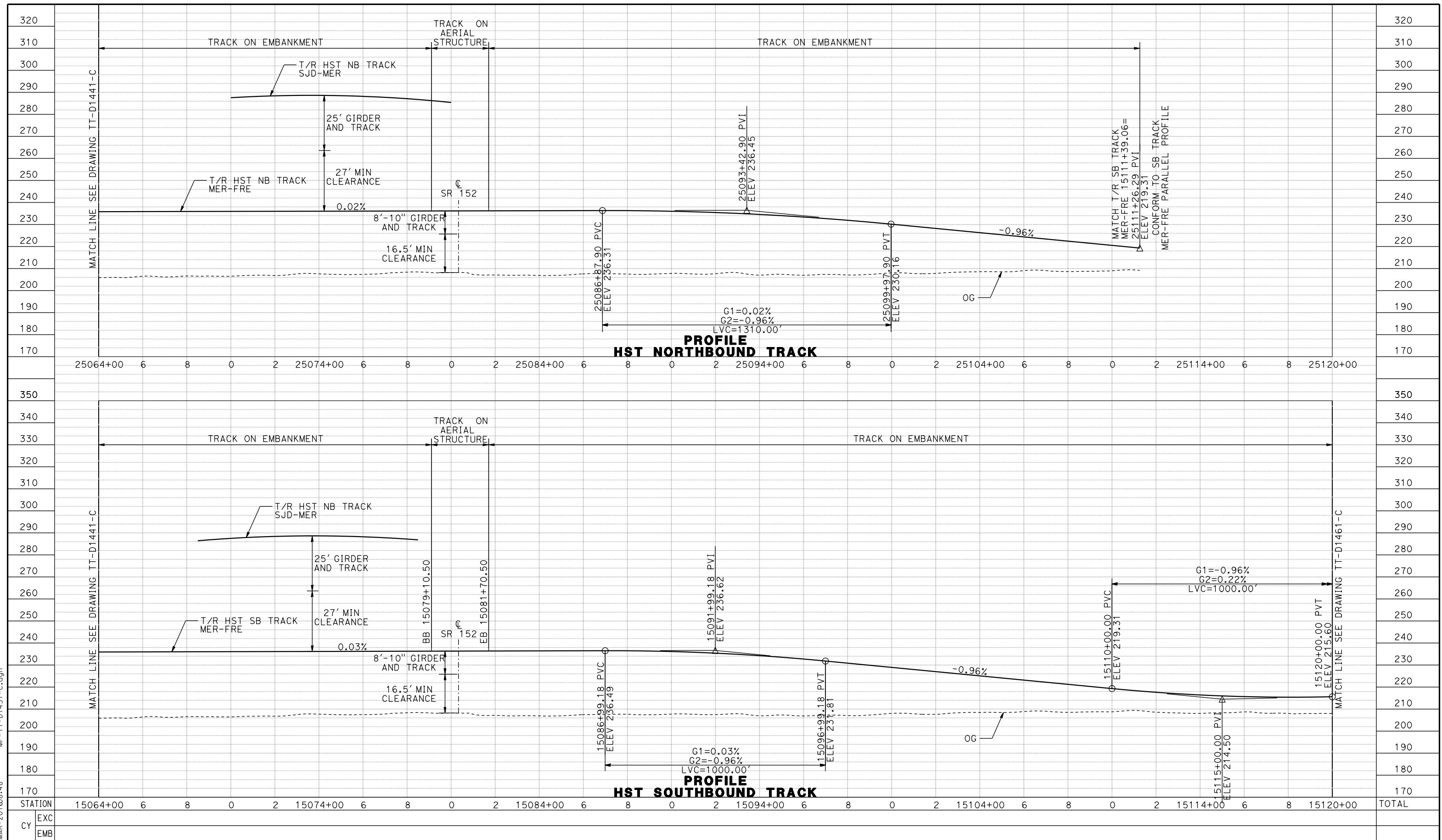
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SUBMITTAL



NOT FOR
CONSTRUCTION



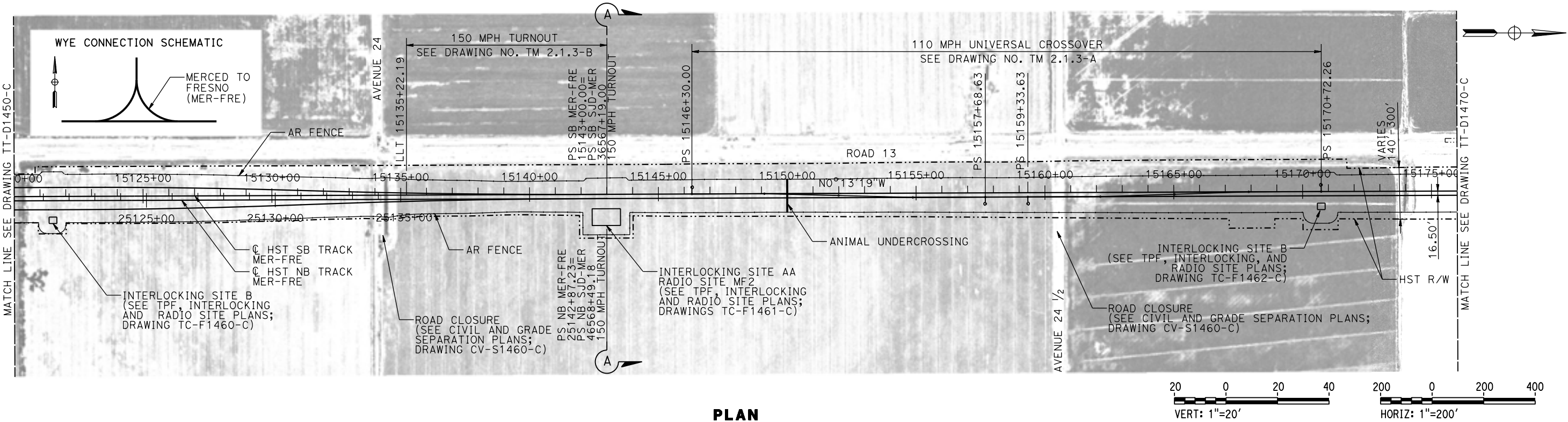
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15064+00 TO 15120+00

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

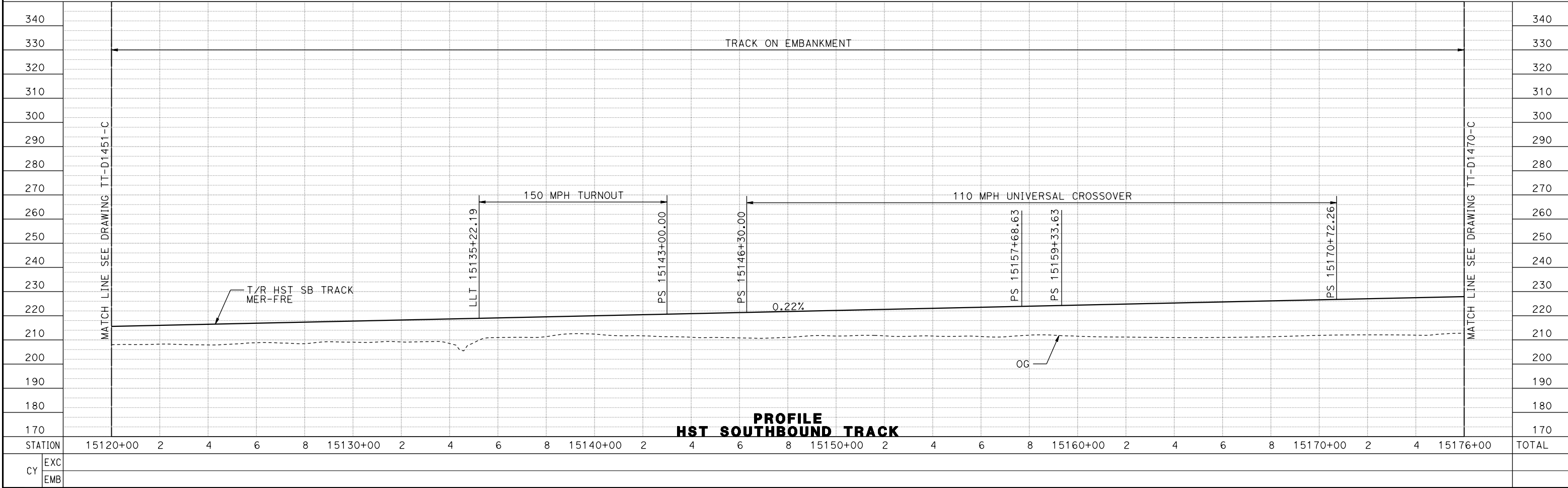


						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE MER-FRE STA 15064+00 TO 15120+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1451-C
						CHECKED BY ELVIS C.					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

MADERA COUNTY



PLAN



MF-TT-D1460-C.dgn

09-MAR-2016 08:49

p0042226

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

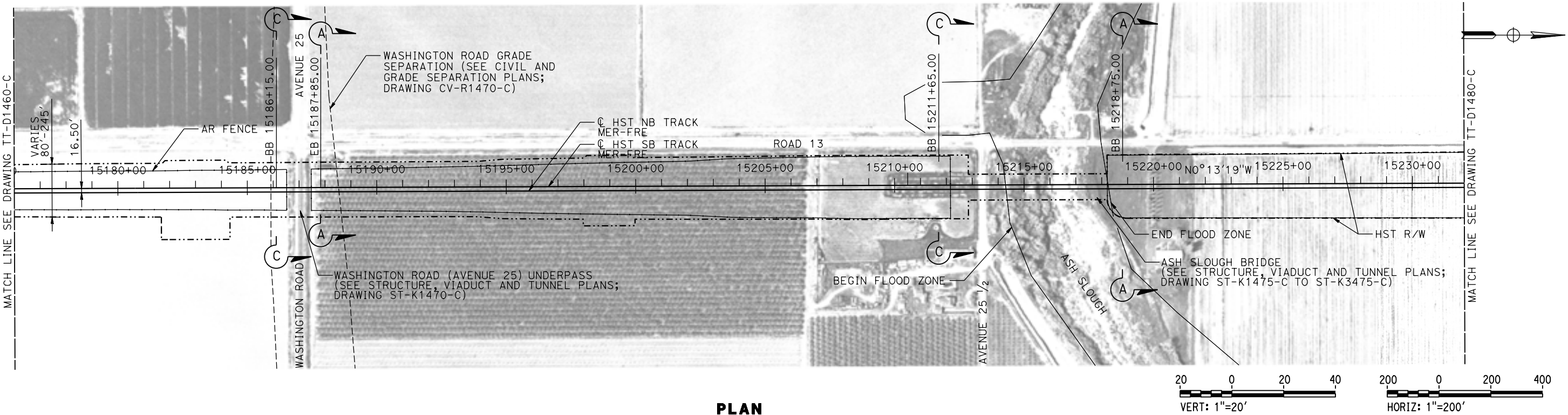
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CONSTRUCTION



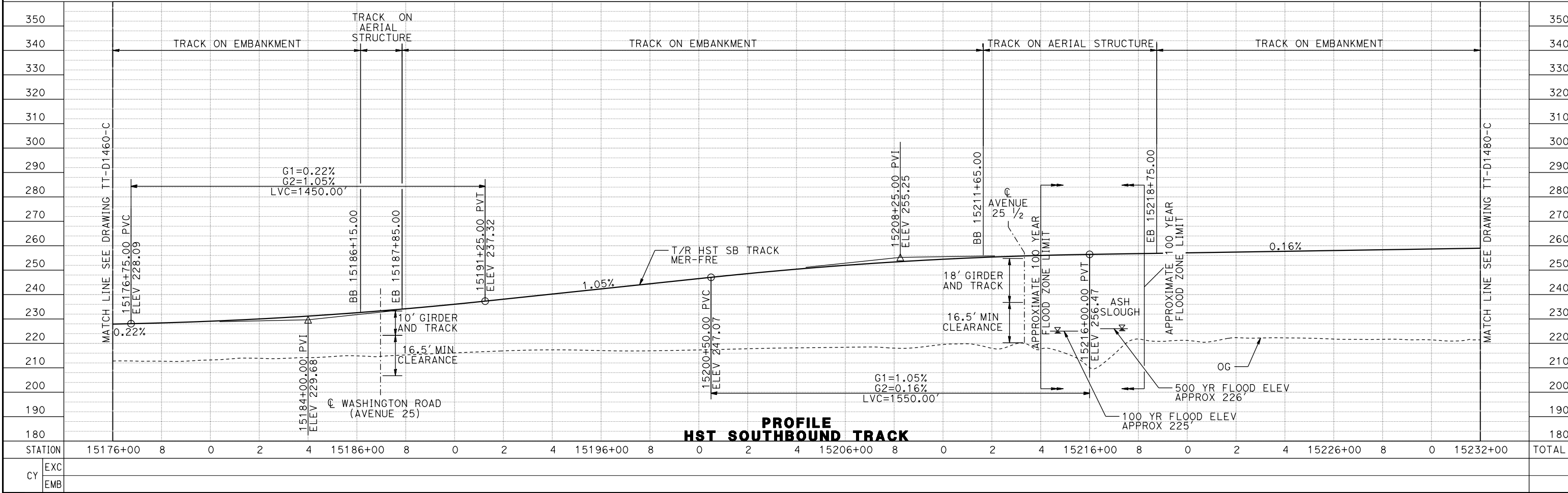
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15120+00 TO 15176+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

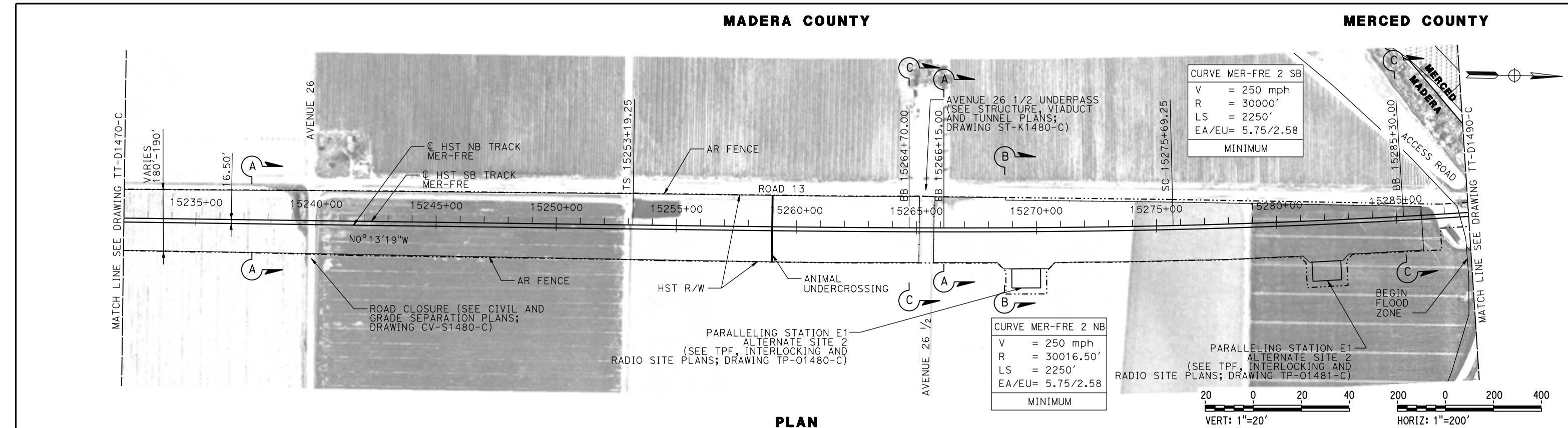
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

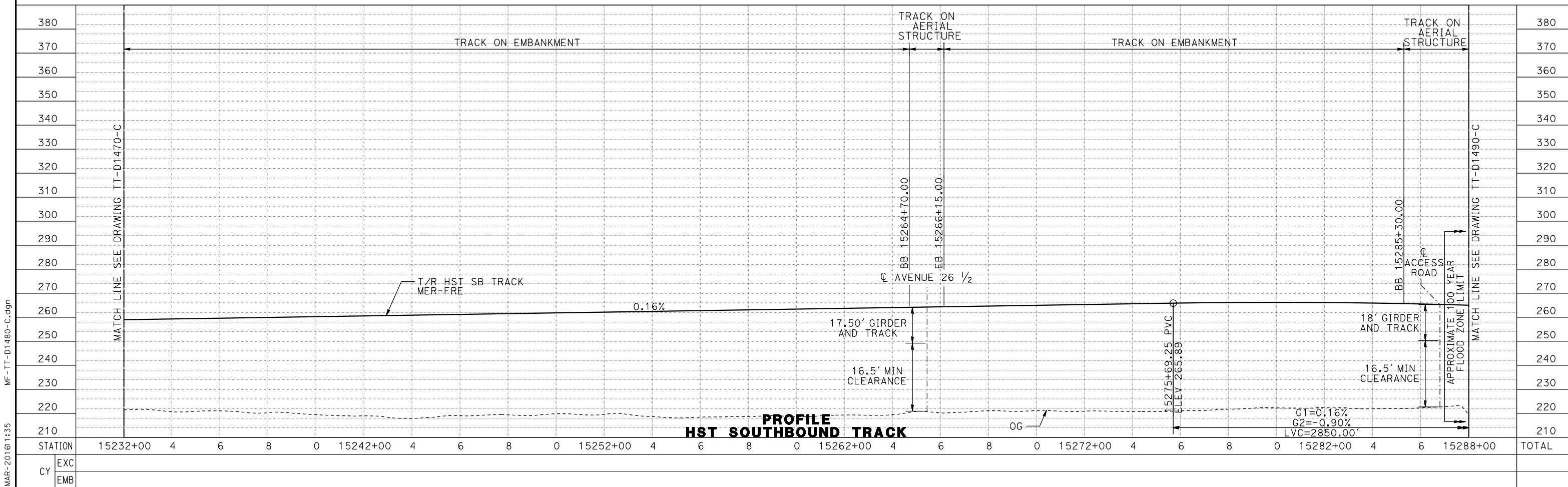


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15176+00 TO 15232+00

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



PLAN



MF-TT-D1480-C.dgn 17-MAR-2016 1:35 p005133a

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



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

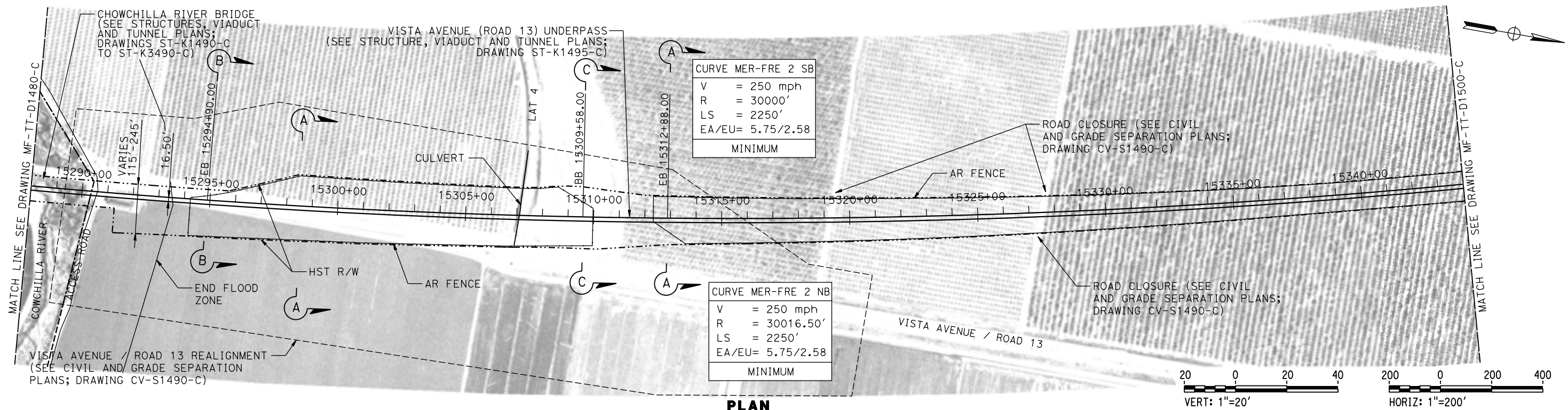
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HSR08-05

DRAWING NO.
TT-D1480-C

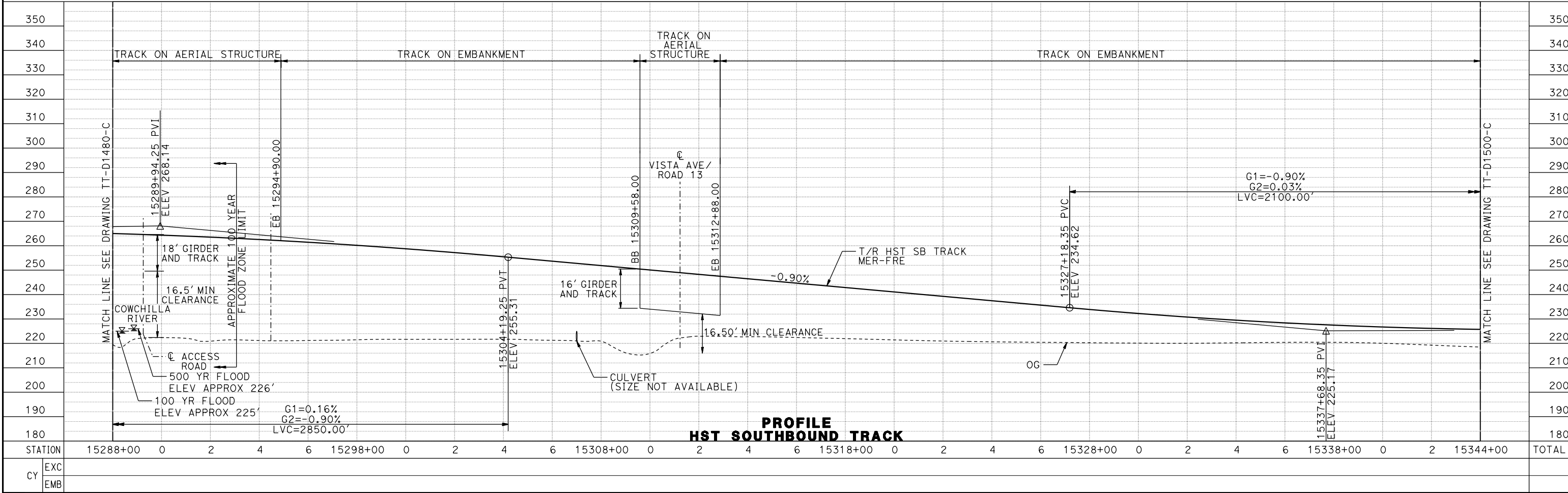
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY



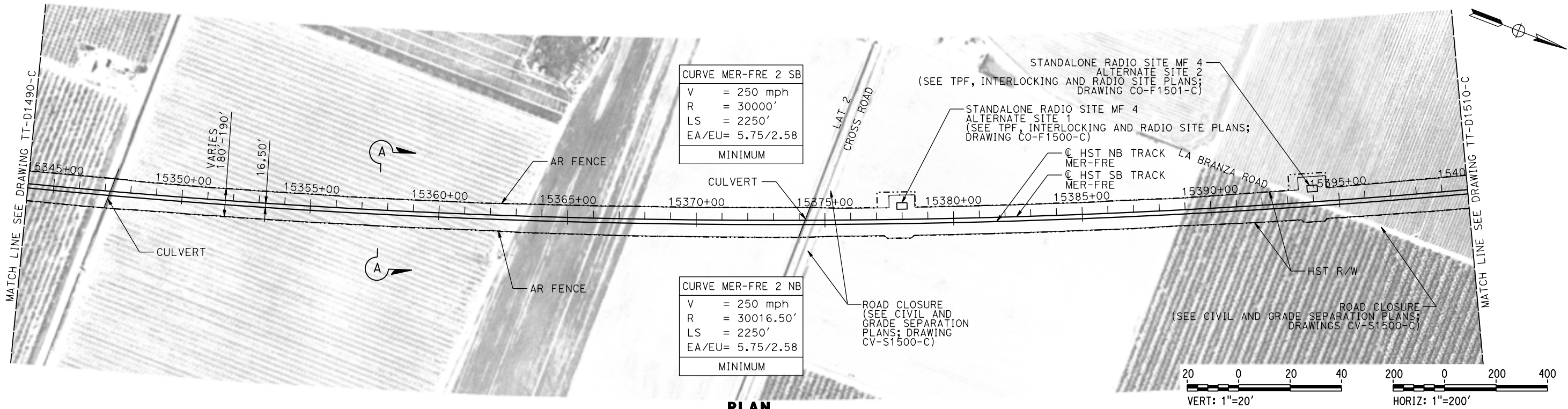
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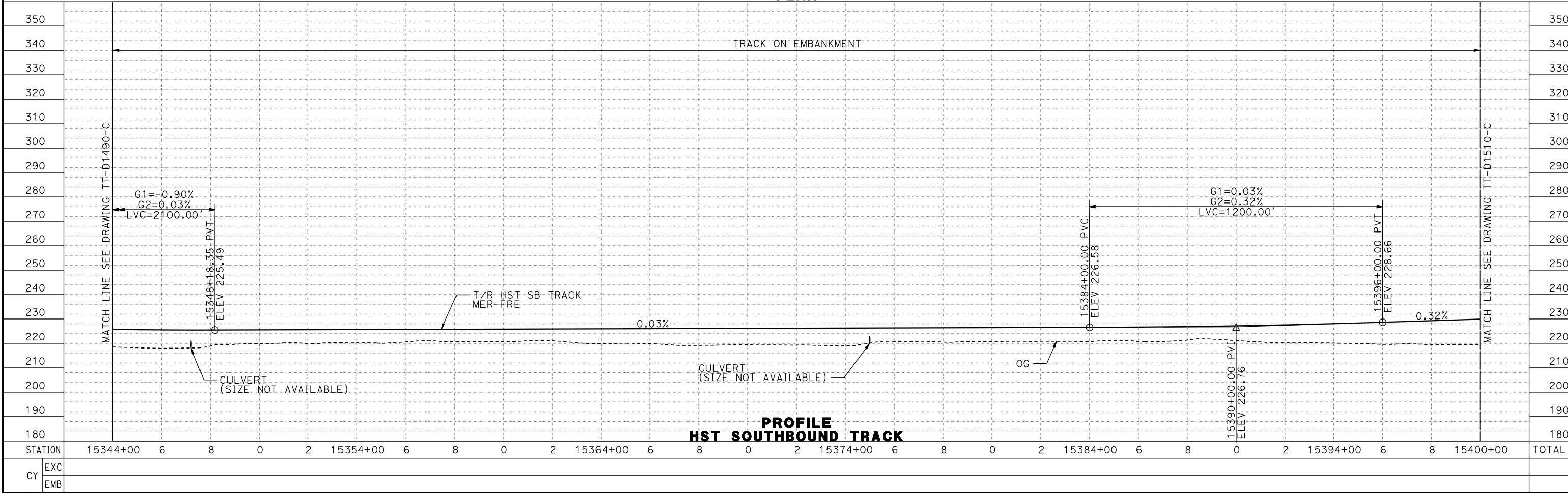
PROFILE
HST SOUTHBOUND TRACK

<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>					<div>RECORD SET</div> <div>15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT</div> <div>MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE</div> <div>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</div> <div>TRACK PLAN AND PROFILE</div> <div>MER-FRE STA 15288+00 TO 15344+00</div>		<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1490-C</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
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MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

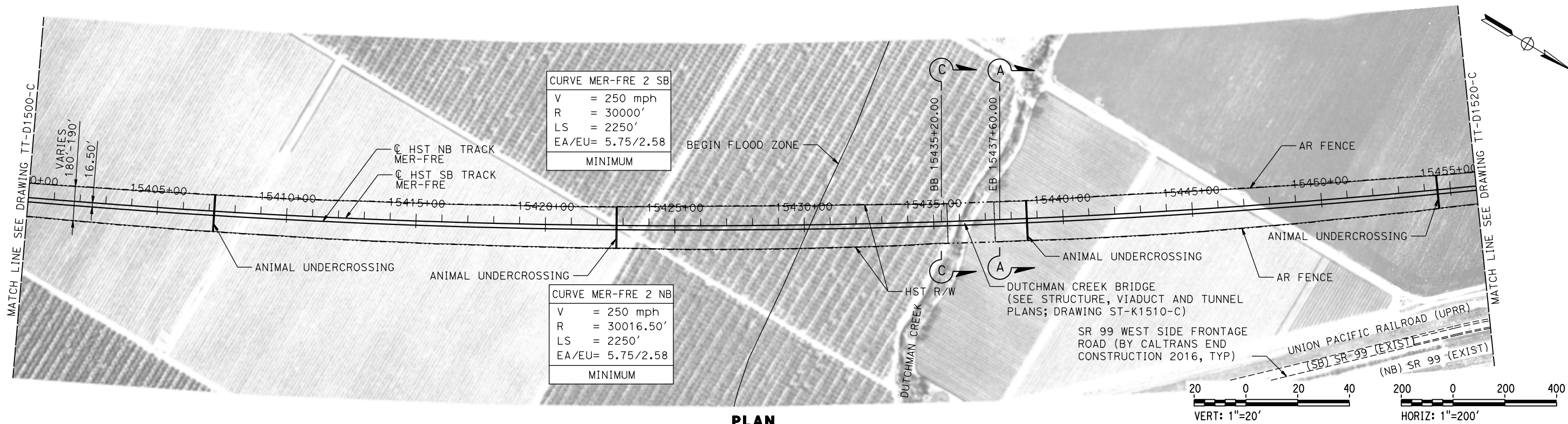
NOT FOR
CONSTRUCTION



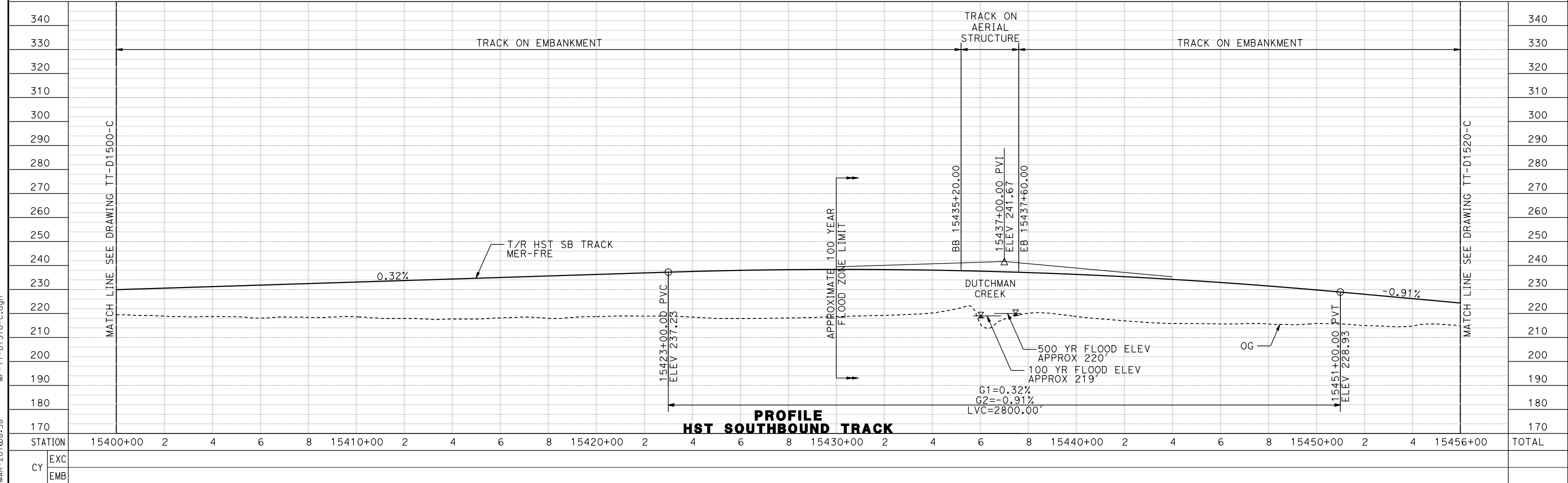
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15344+00 TO 15400+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

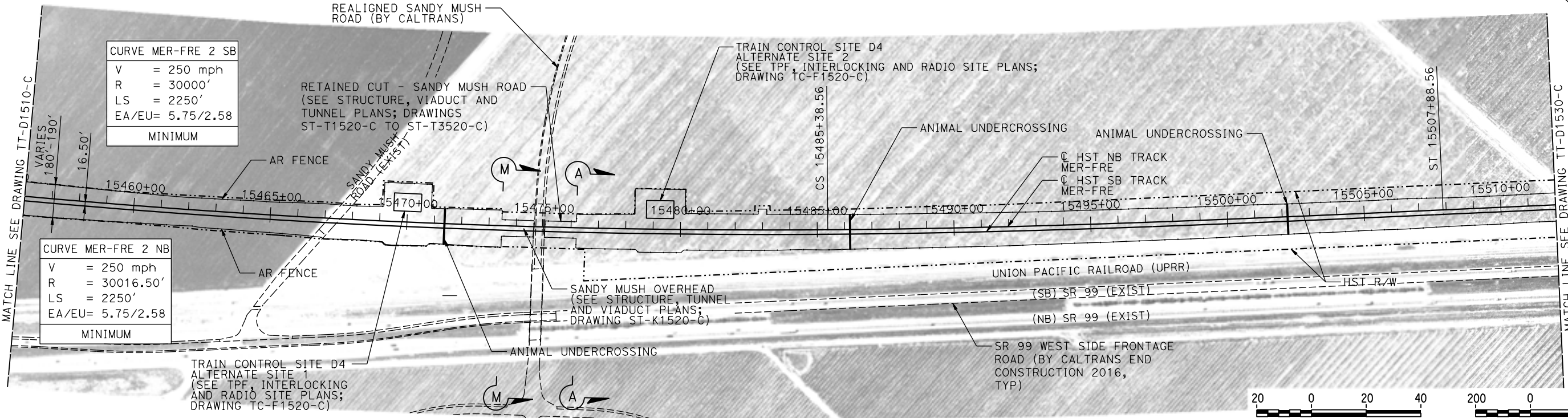
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CONSTRUCTION



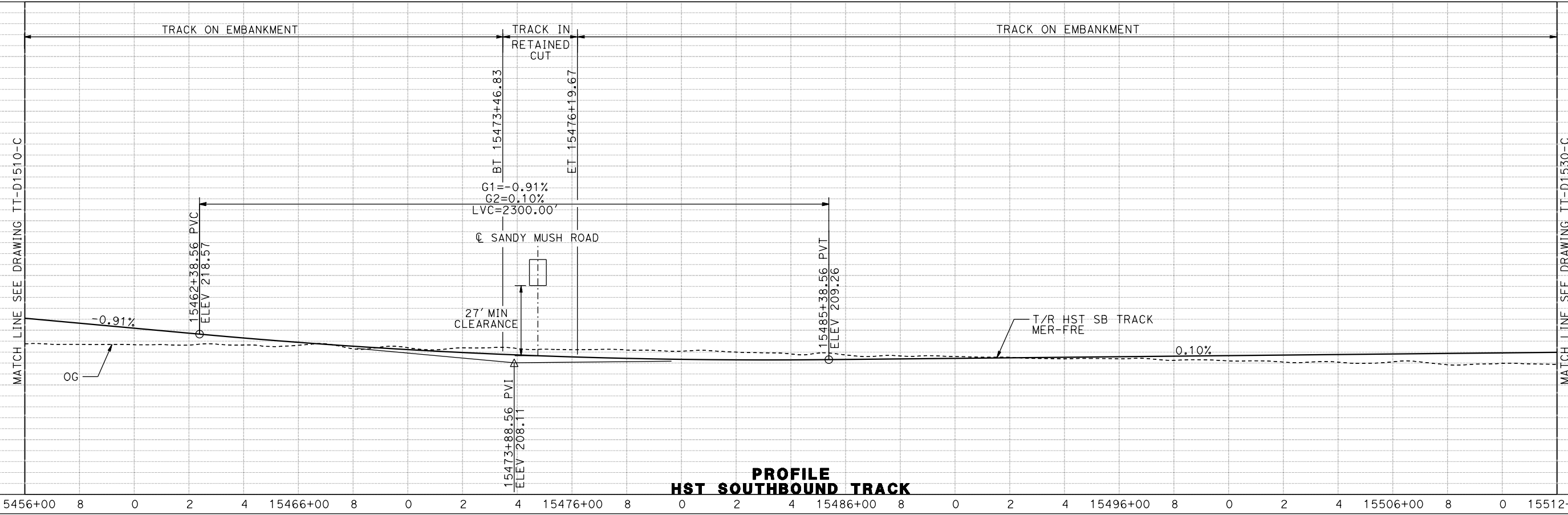
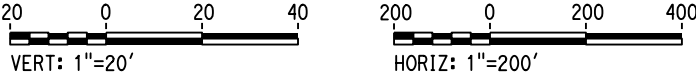
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MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15400+00 TO 15456+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

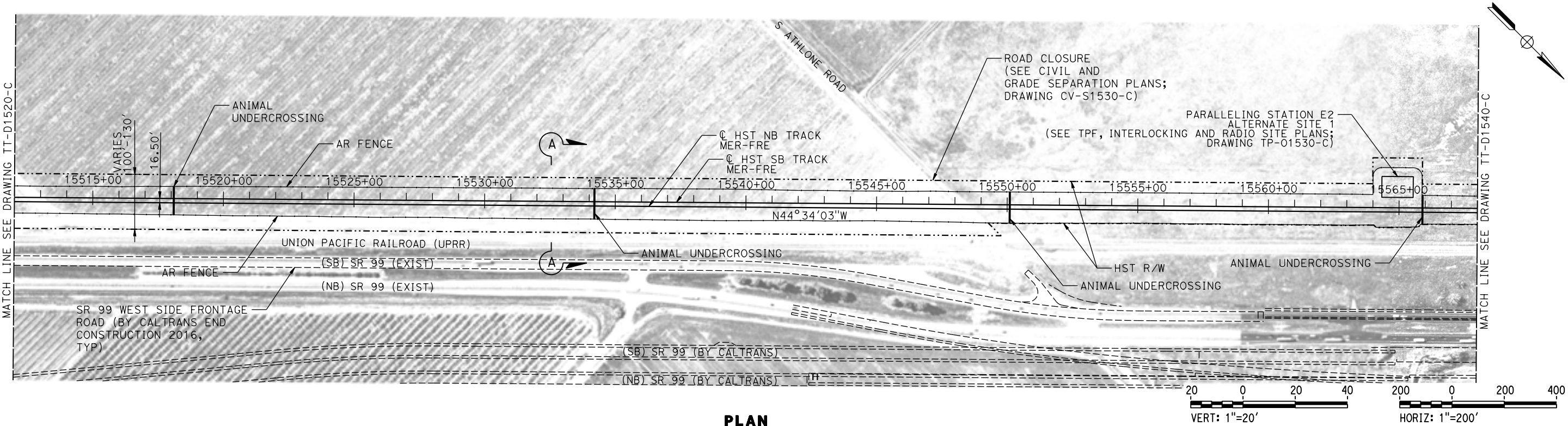
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CONSTRUCTION



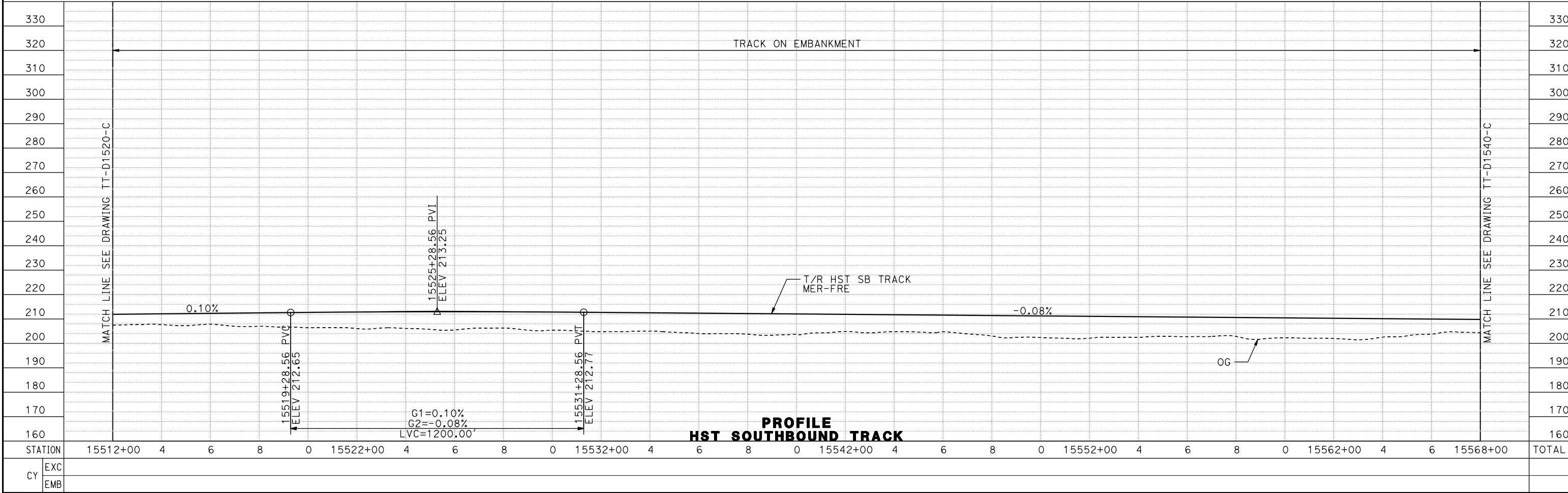
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15456+00 TO 15512+00

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

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

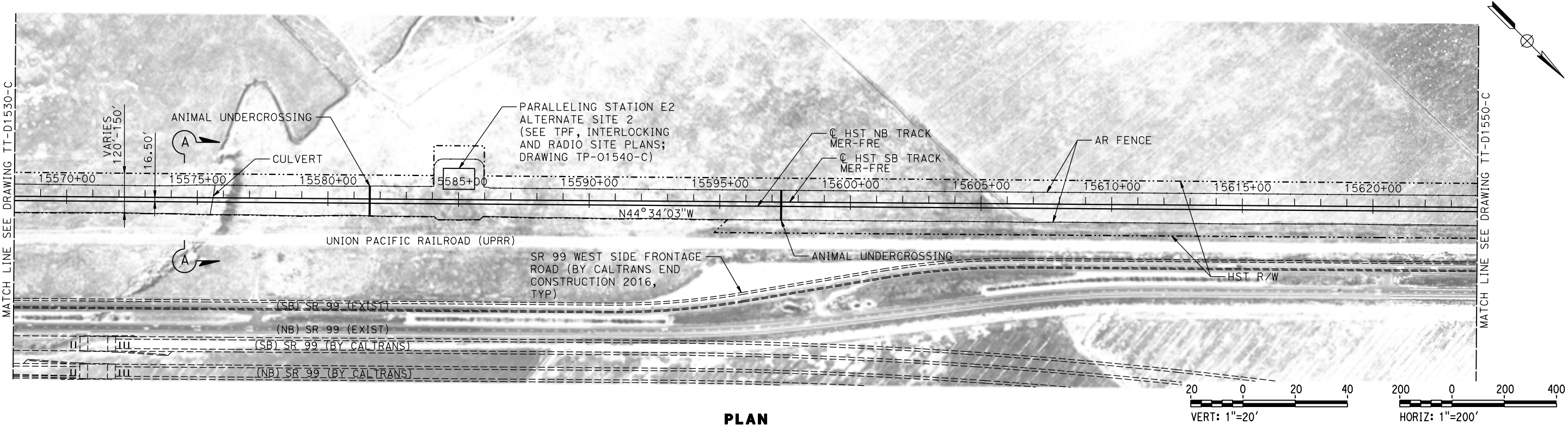


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

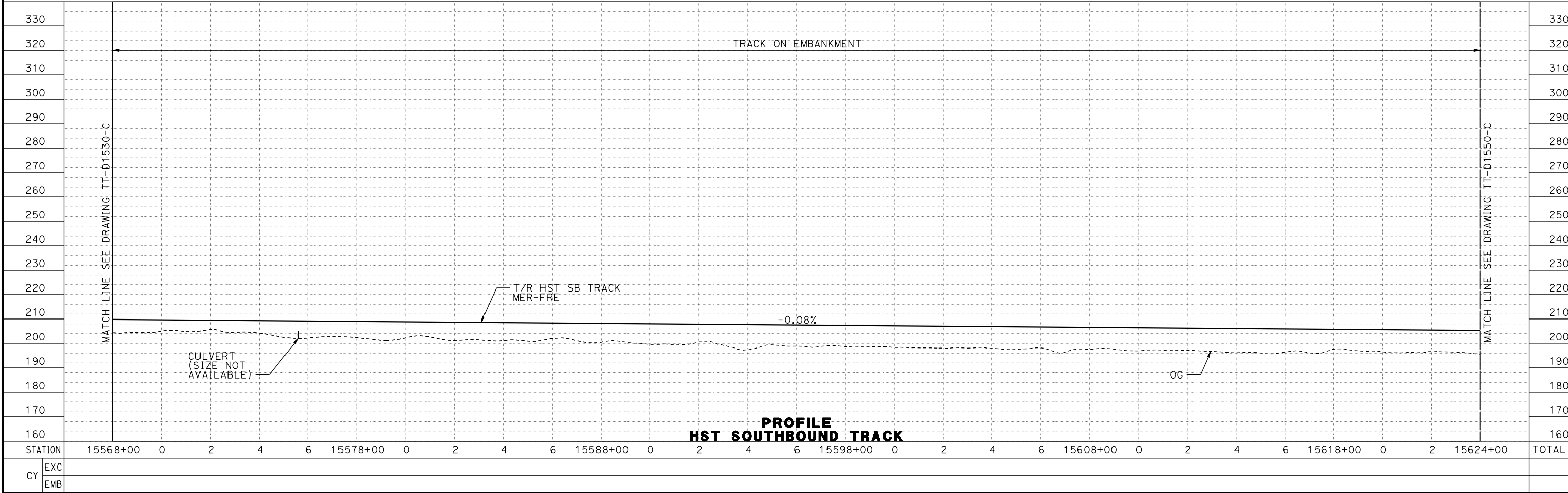
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15512+00 TO 15568+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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



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.



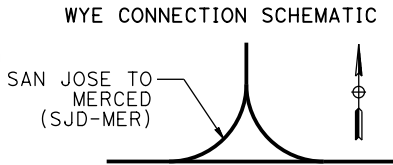
DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	ELVIS C.
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**NOT FOR
CONSTRUCTION**



CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15624+00 TO 15655+00

SHEET NO. _____



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

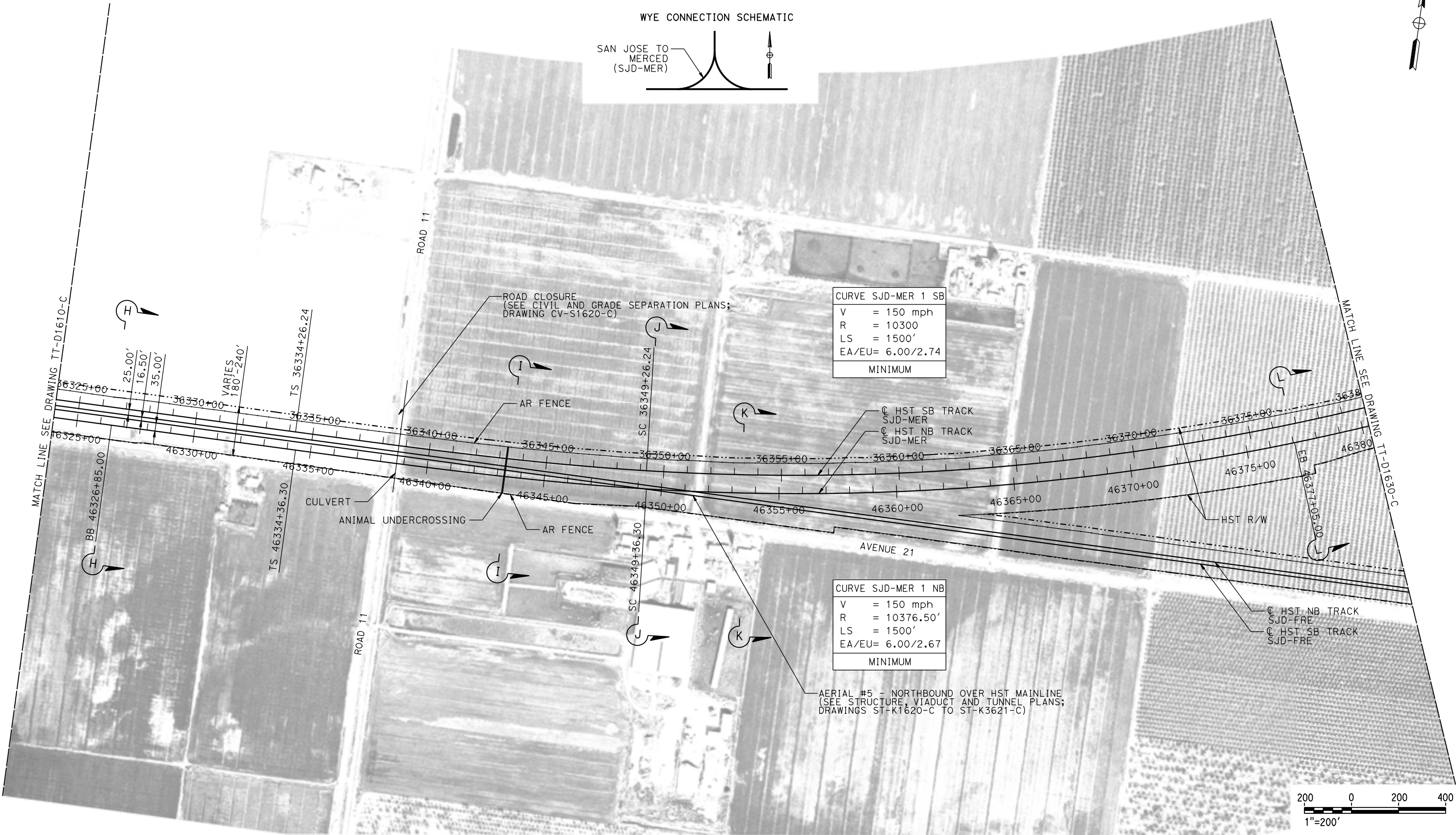
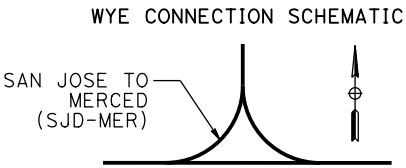
NOT FOR
CONSTRUCTION



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.

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

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

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

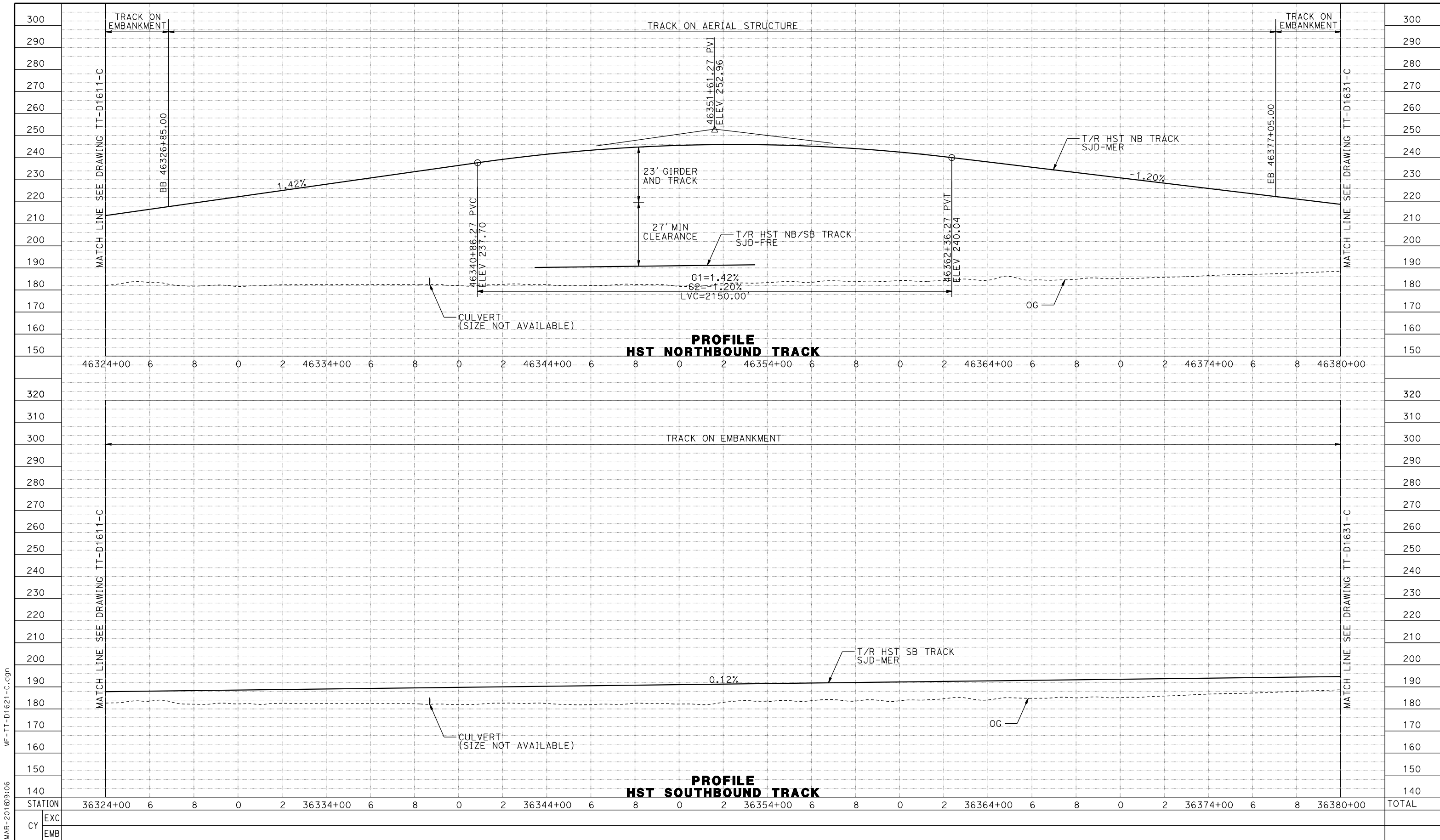
NOT FOR
CONSTRUCTION





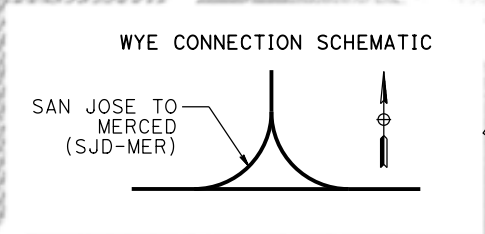
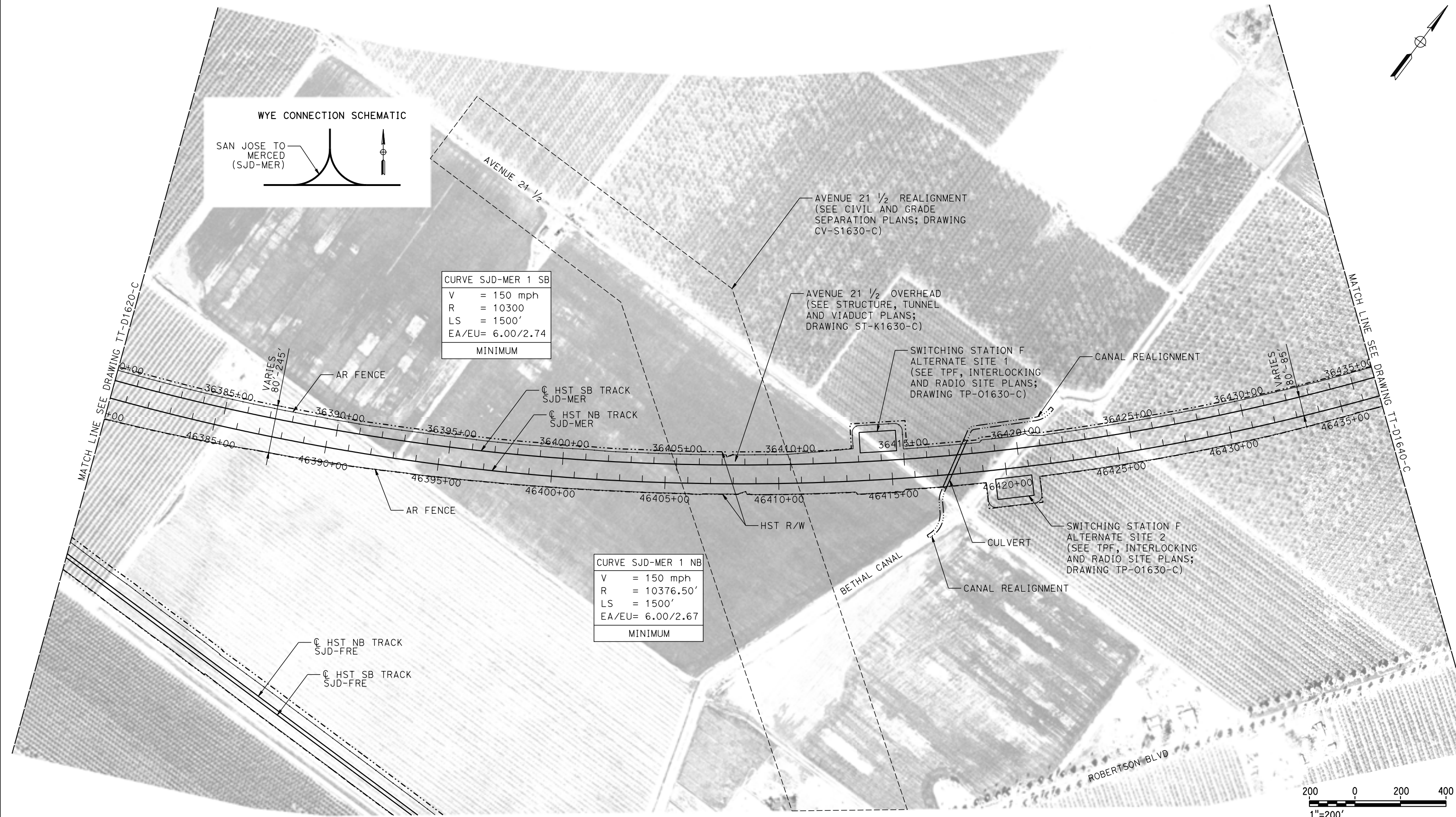
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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.



01							DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE SJD-MER STA 36324+00 TO 36380+00	CONTRACT NO. HSR08-05
							DRAWN BY M. TACTAY					DRAWING NO. TT-D1621-C
							CHECKED BY ELVIS C.					SCALE AS SHOWN
							IN CHARGE C. LEMLEY					SHEET NO.
	REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					



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

p005133a 17-MAR-2016 11:37 MF-TT-D1630-C.dgn

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

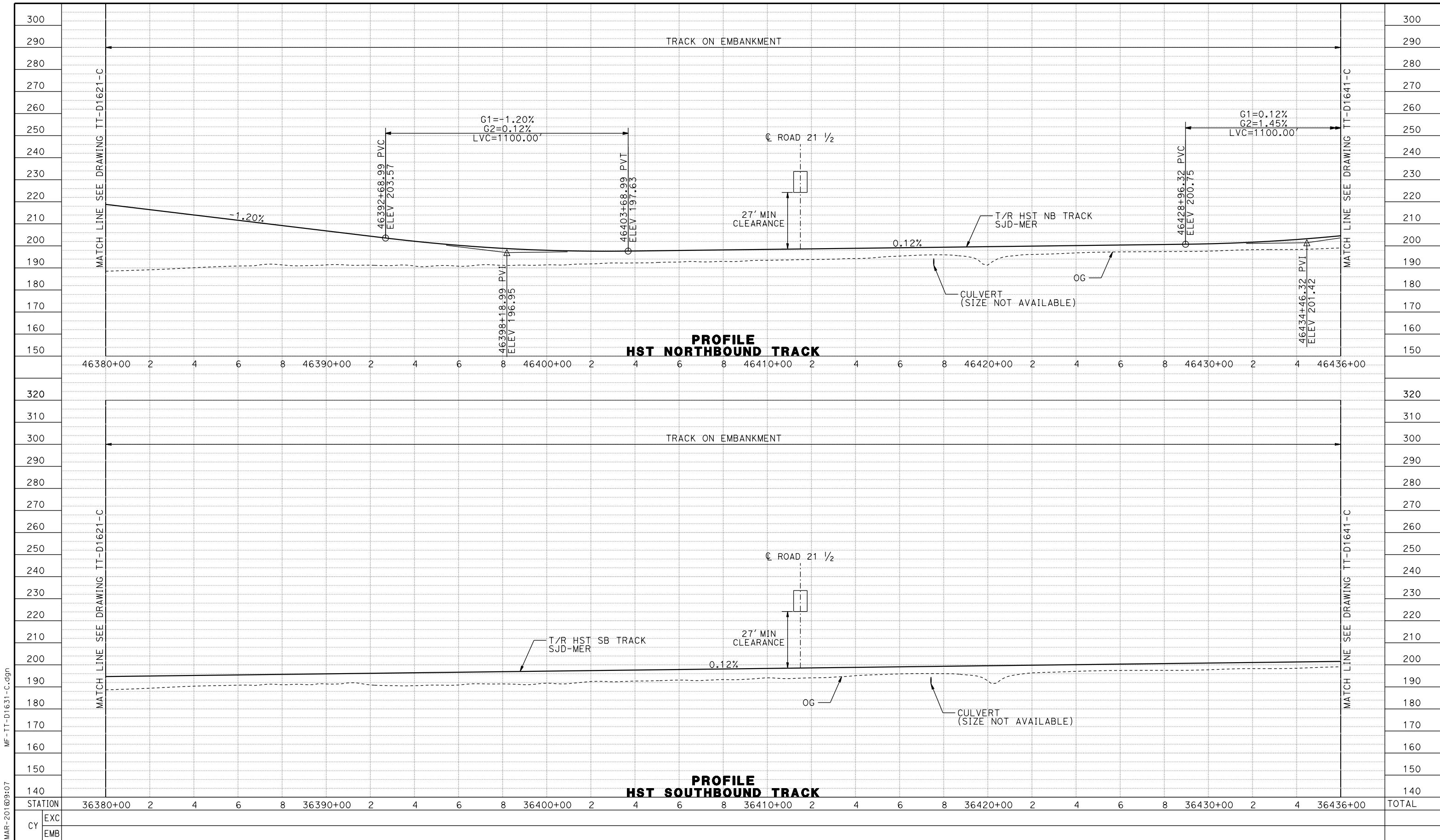
NOT FOR
CONSTRUCTION

**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.



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

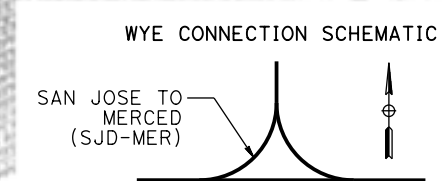
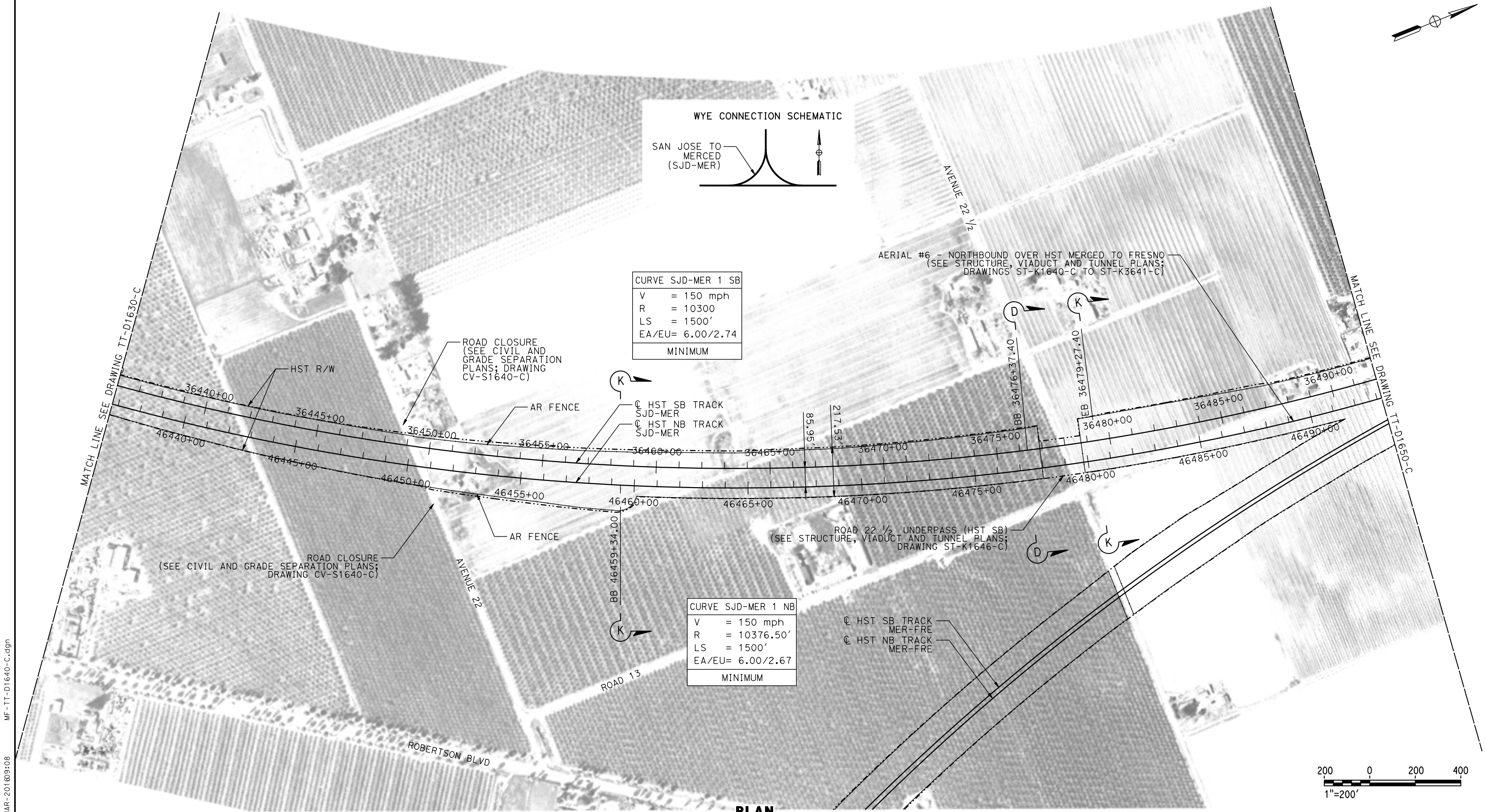


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

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.

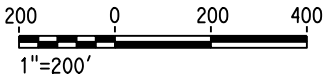
MADERA COUNTY



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



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

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



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.

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

p0042226



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

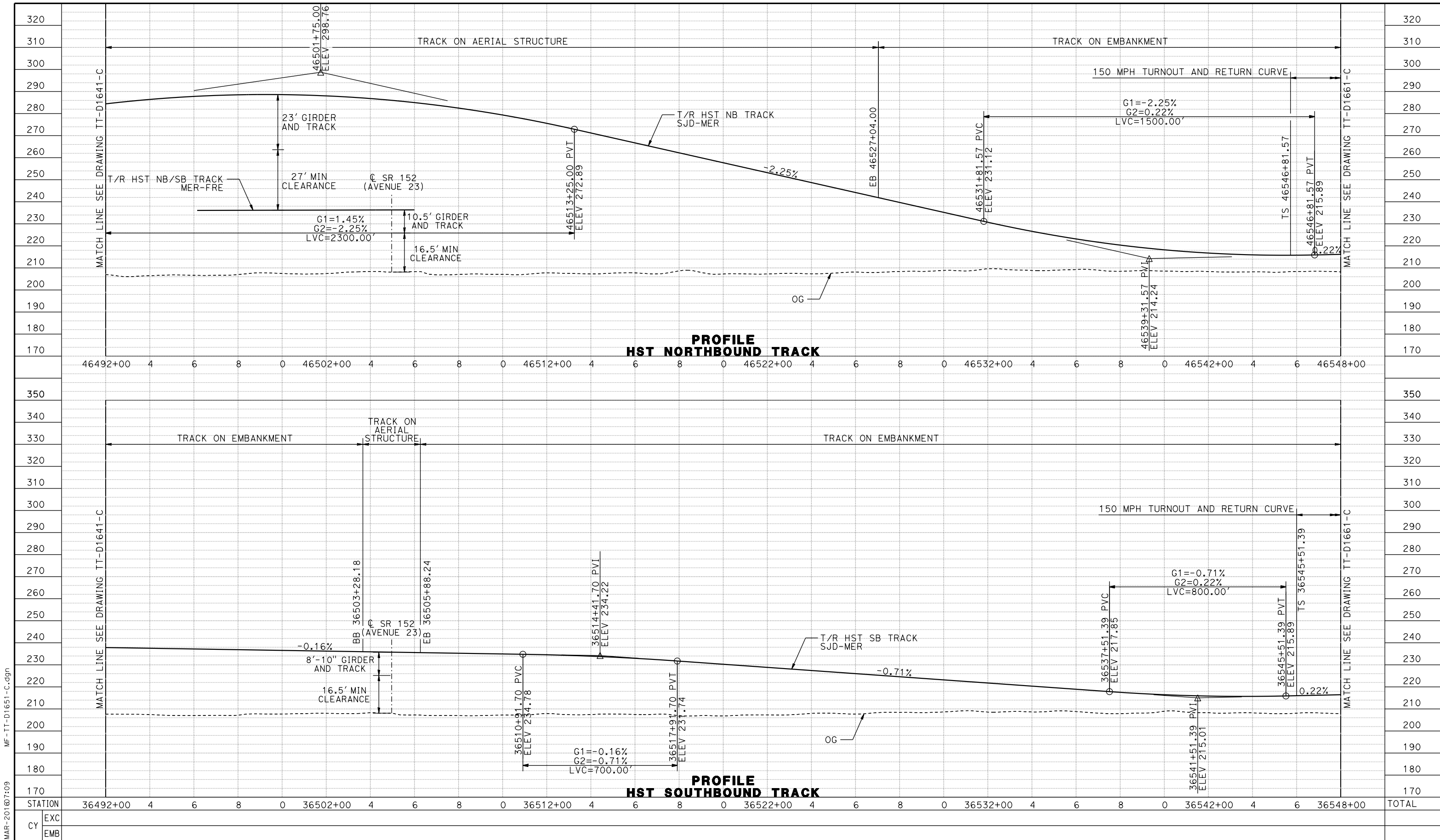


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

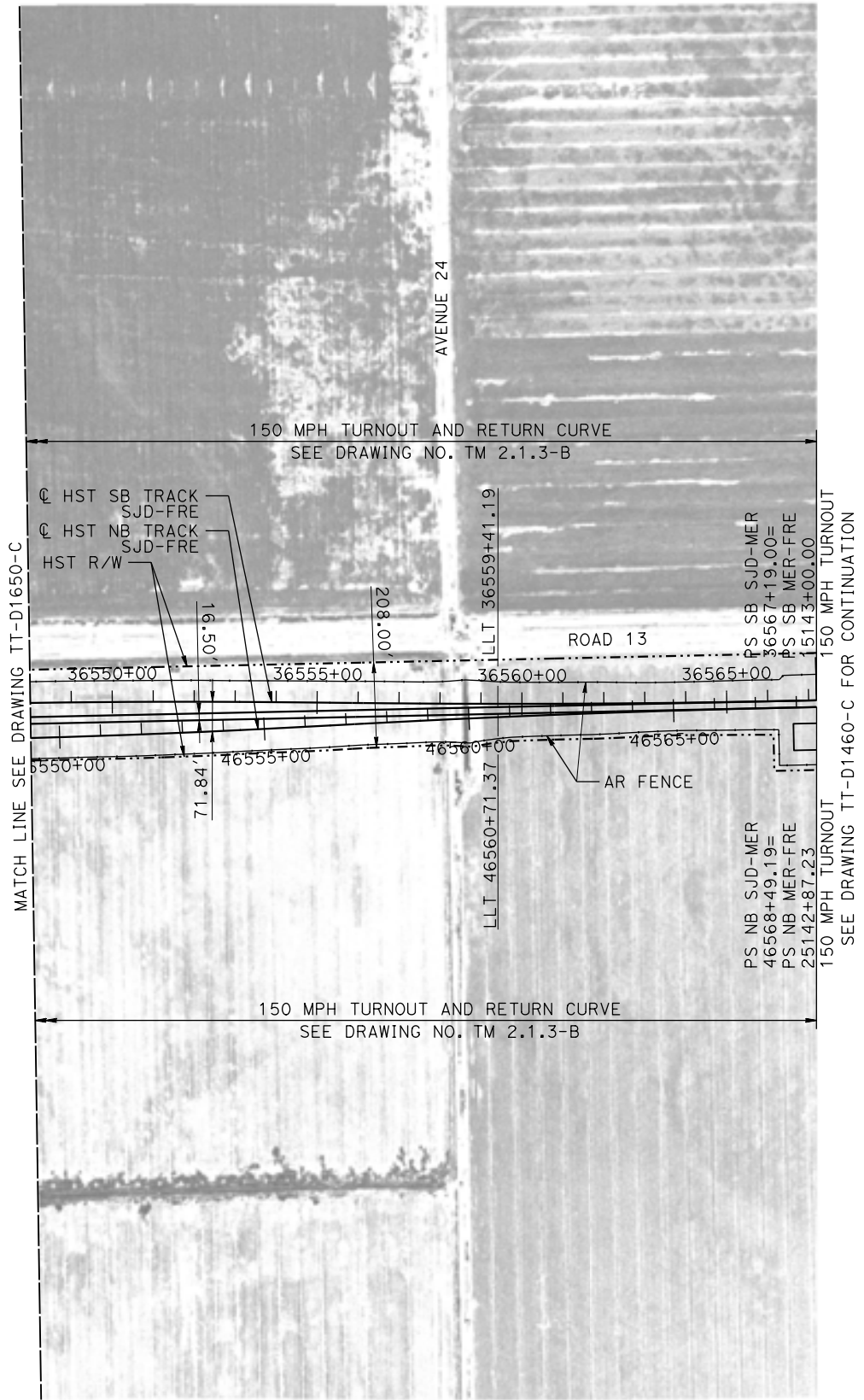
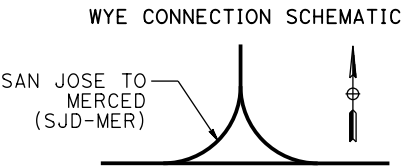
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

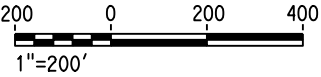
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DRAWING NO. TT-D1650-C
SCALE AS SHOWN
SHEET NO.



<div>MF-TT-D1651-C.dgn</div> <div>12-MAR-2016 10:07:09</div> <div>p0042226</div>					<table><tr><td>DESIGNED BY</td><td>D. OLIVETI</td></tr><tr><td>DRAWN BY</td><td>M. TACTAY</td></tr><tr><td>CHECKED BY</td><td>ELVIS C.</td></tr><tr><td>IN CHARGE</td><td>C. LEMLEY</td></tr><tr><td>DATE</td><td>03/18/2016</td></tr></table>		DESIGNED BY	D. OLIVETI	DRAWN BY	M. TACTAY	CHECKED BY	ELVIS C.	IN CHARGE	C. LEMLEY	DATE	03/18/2016	<table><tr><td>RECORD SET</td><td>15% DESIGN SUBMITTAL</td></tr><tr><td>NOT FOR CONSTRUCTION</td><td></td></tr></table>		RECORD SET	15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION		<div> PARSONS</div> <div> CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>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</div>			<table><tr><td>CONTRACT NO.</td><td>HSR08-05</td></tr><tr><td>DRAWING NO.</td><td>TT-D1651-C</td></tr><tr><td>SCALE</td><td>AS SHOWN</td></tr><tr><td>SHEET NO.</td><td></td></tr></table>		CONTRACT NO.	HSR08-05	DRAWING NO.	TT-D1651-C	SCALE	AS SHOWN	SHEET NO.				
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																																							
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CONTRACT NO.	HSR08-05																																							
DRAWING NO.	TT-D1651-C																																							
SCALE	AS SHOWN																																							
SHEET NO.																																								
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REV	DATE	BY	CHK	APP	DESCRIPTION																																			



PLAN



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

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



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.

