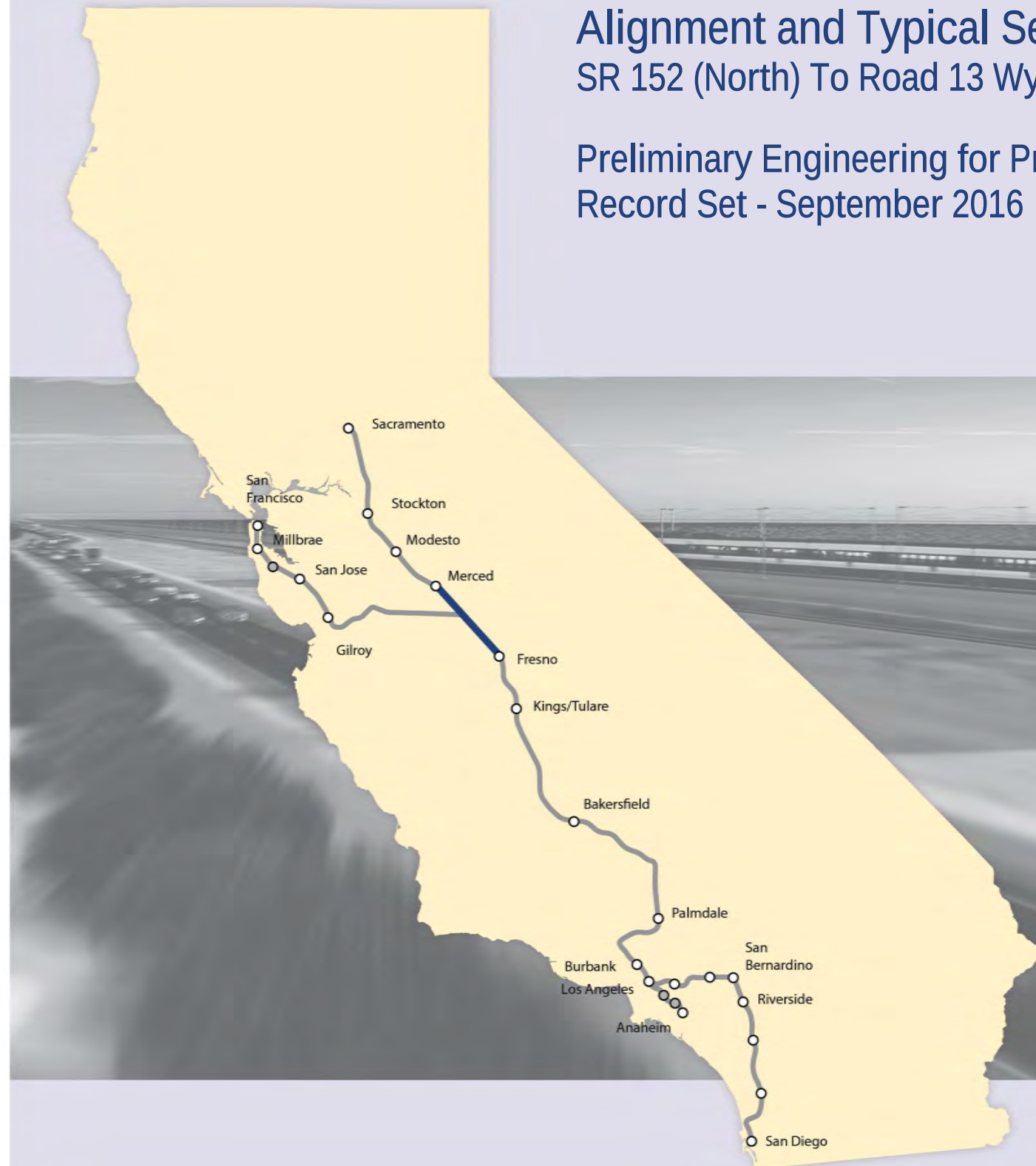


California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 1 of 4)
SR 152 (North) 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.

p0066533 15-AUG-2016 4:57 MF-TT-B0004.dgn

INDEX OF DRAWINGS				
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
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 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
SHEET 4 OF 9

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

p0066533 15-AUG-2016 4:58 MF-TT-B0006.dgn

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

p0066533

INDEX OF DRAWINGS				
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

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 6 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0007
SCALE NO SCALE
SHEET NO.

p0066533 15-AUG-2016 4:58 MF-TT-B0008.dgn

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

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 7 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0008
SCALE NO SCALE
SHEET NO.

p0042226 16-AUG-2016 09:07 MF-TT-B0009.dgn

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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.

p0042226 16-AUG-2016 0:02 MF-TT-B0010.dgn

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
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 9 OF 9

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

D0042226 16-AUG-2016 09:14

p0042226 16-AUG-2016 09:15 MF-TT-B0012.dgn

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
15% DESIGN
SUBMITTAL

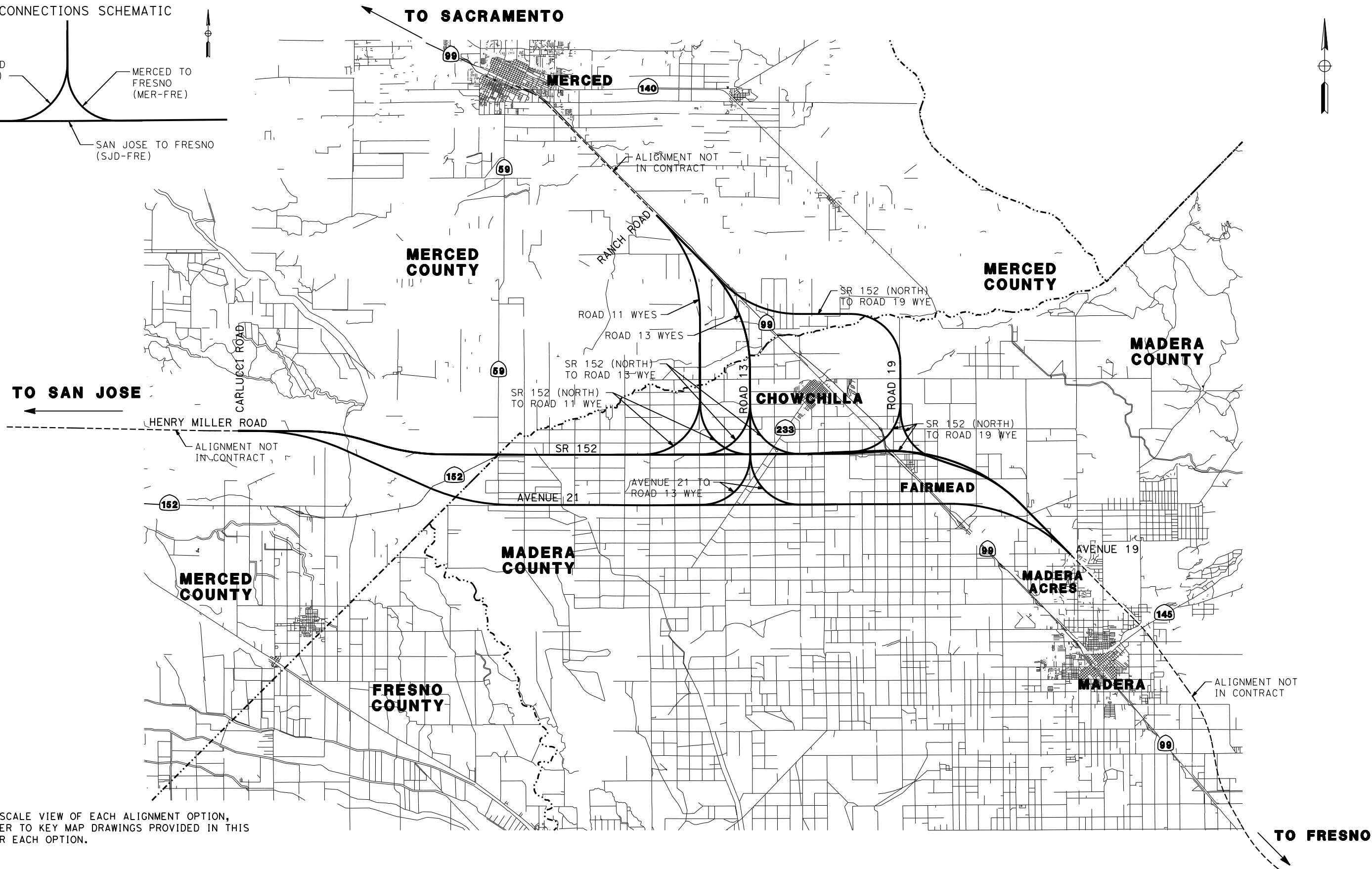
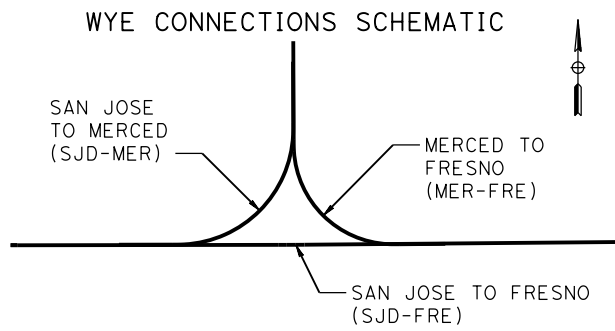
NOT FOR
CONSTRUCTION



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.



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

16-AUG-2016 09:14 MF-TT-B4000.dgn

REV DATE BY CHK APP DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

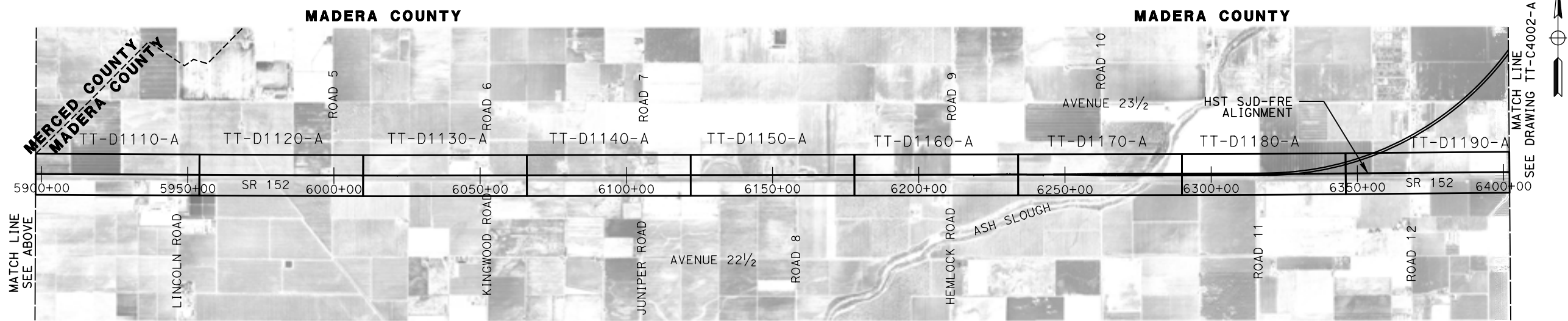
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B4000
SCALE
NTS
SHEET NO.

p0042226 16-MAR-2016 1:25 MF-TT-C4001-A.dgn

MERCED COUNTY



MADERA COUNTY



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

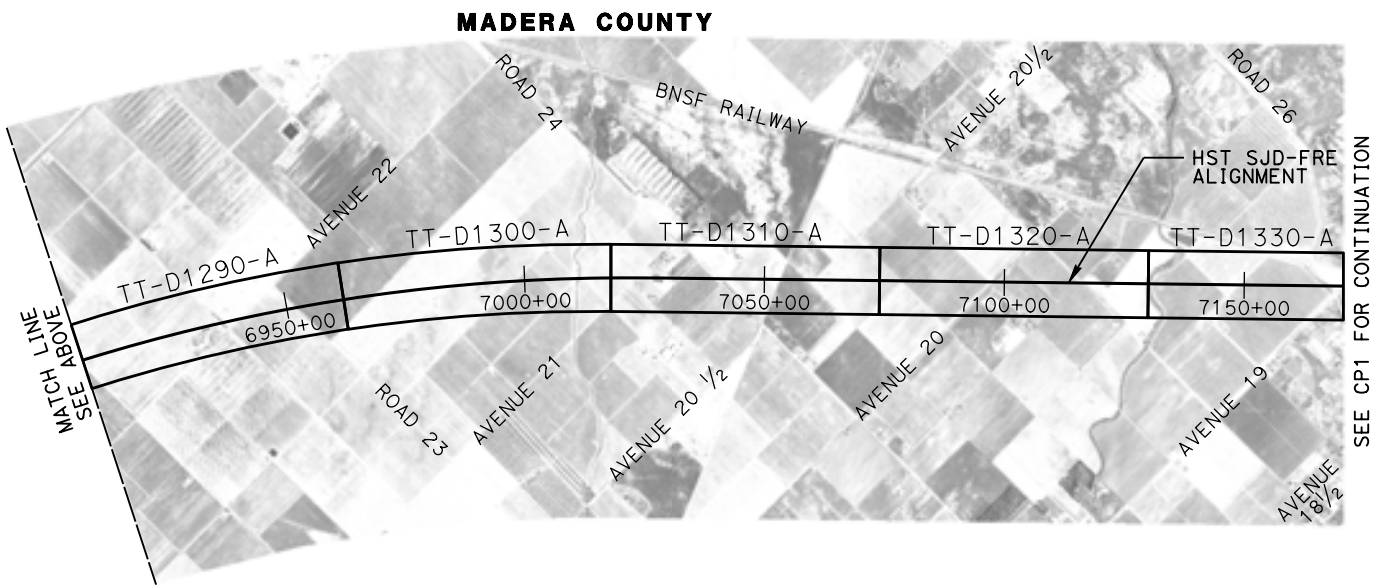
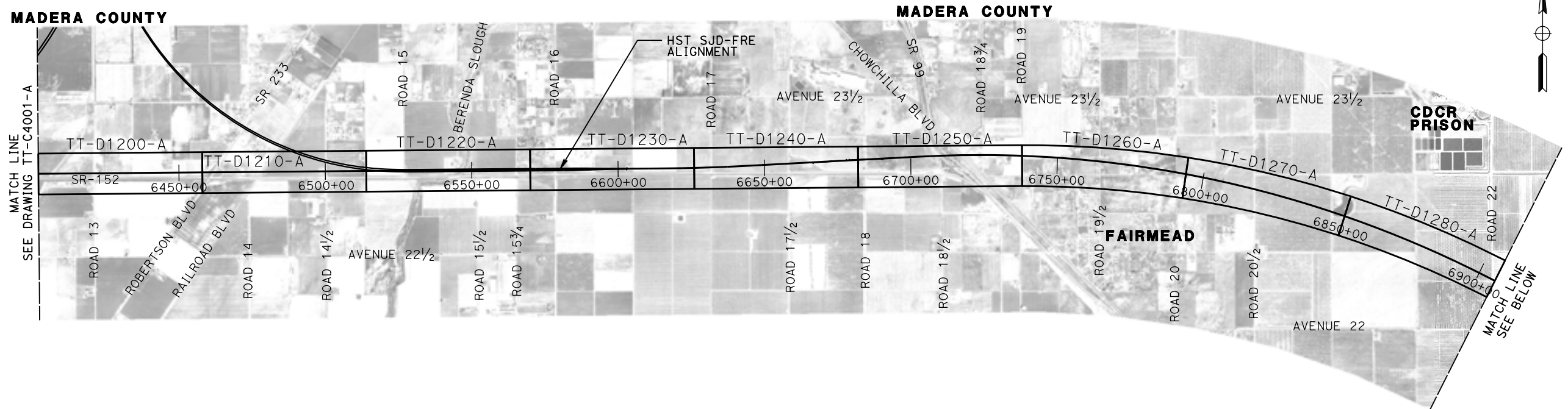
NOT FOR
CONSTRUCTION



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

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

p0042226 16-MAR-2016 1:27 MF-TT-C4002-A.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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 3

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

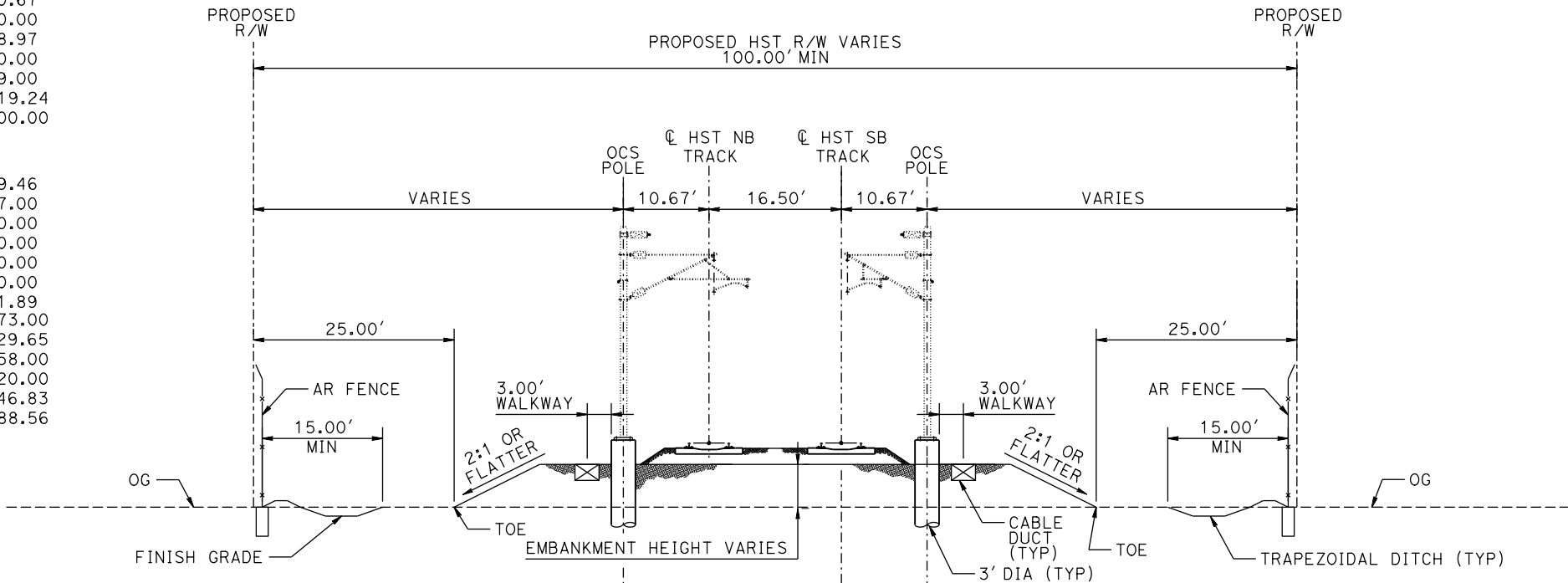
SECTION A-A

TANGENT

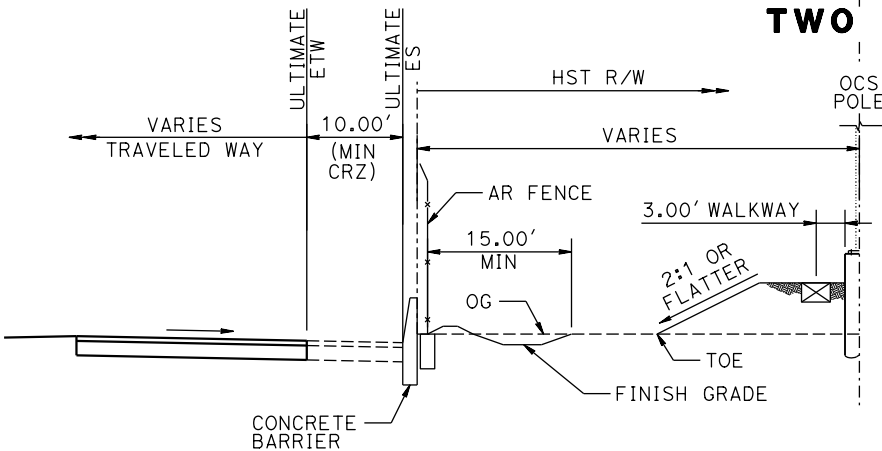
STATION SJD-FRE 5338+00.00 TO 5468+71.16
STATION SJD-FRE 5617+79.46 TO 5632+50.67
STATION SJD-FRE 5785+40.00 TO 5900+00.00
STATION SJD-FRE 7034+31.89 TO 7129+48.97
STATION SJD-FRE 7131+88.97 TO 7196+70.00
STATION SJD-FRE 7199+10.00 TO 7323+79.00
STATION MER-FRE 15247+43.70 TO 15253+19.24
STATION MER-FRE 15507+88.56 TO 15655+00.00

SUPERELEVATED

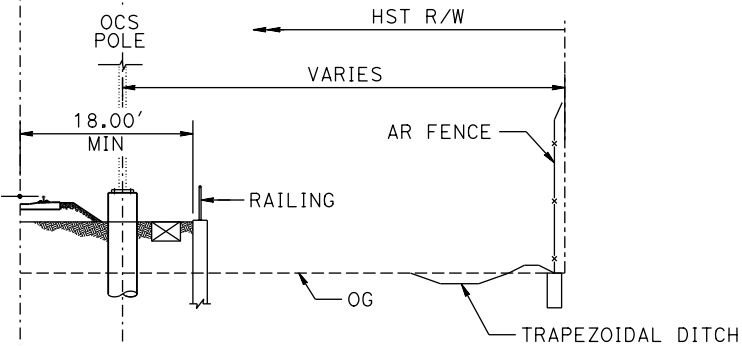
STATION SJD-FRE 5468+71.16 TO 5617+79.46
STATION SJD-FRE 5632+50.67 TO 5656+47.00
STATION SJD-FRE 5657+77.00 TO 5664+90.00
STATION SJD-FRE 5672+70.00 TO 5683+30.00
STATION SJD-FRE 5689+20.00 TO 5723+00.00
STATION SJD-FRE 5725+40.00 TO 5769+80.00
STATION SJD-FRE 6725+88.00 TO 7034+31.89
STATION MER-FRE 15253+19.25 TO 15264+73.00
STATION MER-FRE 15266+18.00 TO 15285+29.65
STATION MER-FRE 15294+89.65 TO 15309+58.00
STATION MER-FRE 15312+88.00 TO 15435+20.00
STATION MER-FRE 15437+60.00 TO 15473+46.83
STATION MER-FRE 15476+19.66 TO 15507+88.56



SECTION A-A
TWO TRACKS ON EMBANKMENT



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



SUBSECTION A-A
HST WITH RETAINING WALL

GENERAL TYPICAL SECTION NOTES:

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

MF-TT-B0020-A.dgn
10-FEB-2016 09:14
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 12

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

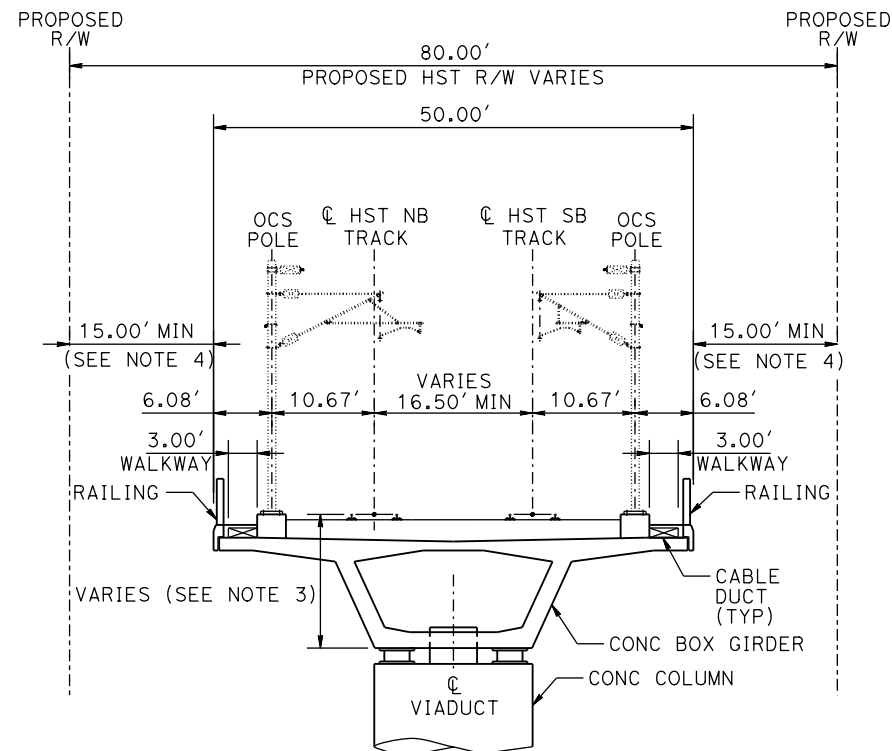
SECTION B-B

TANGENT

STATION SJD-FRE 5780+47.92 TO 5785+40.00
STATION SJD-FRE 6367+59.00 TO 6368+79.00
STATION SJD-FRE 7129+48.97 TO 7131+88.97
STATION SJD-FRE 7196+70.00 TO 7199+10.00

SUPERELEVATED

STATION SJD-FRE 5656+47.00 TO 5657+77.00
STATION SJD-FRE 5664+90.00 TO 5672+70.00
STATION SJD-FRE 5683+30.00 TO 5689+20.00
STATION SJD-FRE 5723+00.00 TO 5725+40.00
STATION SJD-FRE 5769+80.00 TO 5780+47.92
STATION SJD-FRE 6703+83.00 TO 6725+88.00
STATION MER-FRE 15264+73.00 TO 15266+18.00
STATION MER-FRE 15285+29.65 TO 15294+89.65
STATION MER-FRE 15309+58.00 TO 15312+88.00
STATION MER-FRE 15435+20.00 TO 15437+60.00



NOTE:

- SEE DRAWING TT-B0020-A FOR GENERAL TYPICAL SECTION NOTES.

SECTION B-B TWO TRACKS ON AERIAL STRUCTURE

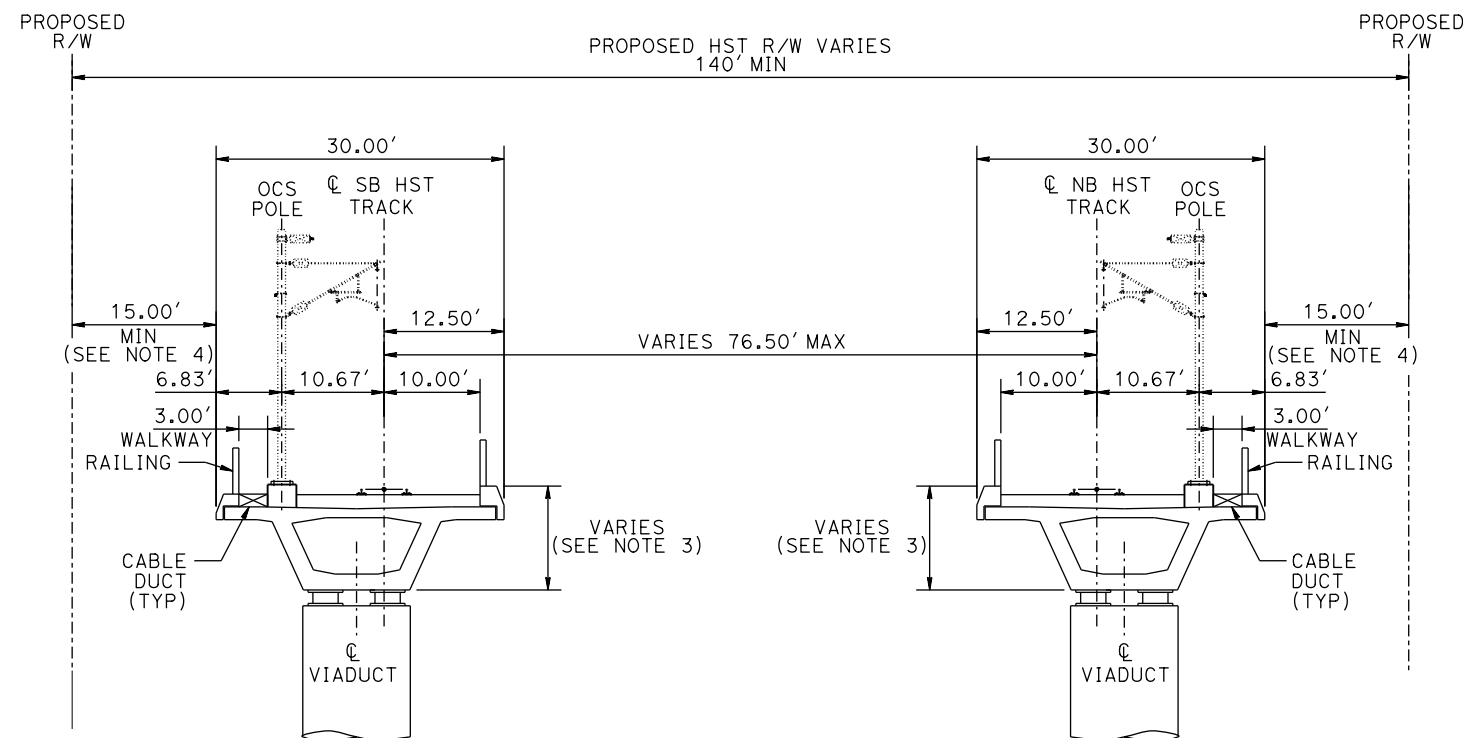
SECTION C-C

TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36369+07.00 TO 36371+47.00
STATION MER-FRE 15065+20.04 TO 15067+61.46
STATION MER-FRE 15079+23.11 TO 15081+67.00
STATION MER-FRE 15094+20.00 TO 15096+60.00



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

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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 2 OF 12

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

TANGENT

SUPERELEVATED
N/A

**SECTION D-D
THREE TRACKS AT GRADE**

PROPOSED R/W
 6274+38.00
 6577+68.00
 6603+00.00
 36274+38.14
 14970+49.92*
 14989+27.00*

PROPOSED HST R/W VARIES 158' MIN

PROPOSED R/W

EXIST SR 152 R/W VARIES

EXIST WB SR 152

ETW

OG

FINISH GRADE

TOE

AR FENCE

RAILING

TRAPEZOIDAL DITCH (TYP)

RETAINING WALL (TYP) (WHERE SHOWN ON CIVIL AND GRADE SEPARATION PLANS)

VARIES

25.00' TYP

15.00' MIN

3.00' WALKWAY

2:1 OR FLATTER

DUCT (TYP)

CABLE (TYP)

DRAINAGE (TYP)

EMBANKMENT HEIGHT VARIES

10.67'

25.00'

10.67'

16.50'

10.67'

35.00'

10.67'

3.00' WALKWAY

SUBBALLAST SUBGRADE

SUBDRAIN SYSTEM (TYP) DRAINAGE (TYP)

OCS POLE

CL HST SB TRACK SJD-MER / CL HST NB TRACK MER-FRE

CL HST NB TRACK SJD-FRE

CL HST SB TRACK SJD-FRE

CL HST NB TRACK SJD-MER / CL HST SB TRACK MER-FRE

OCS POLE

OCS POLE

OCS POLE

15.00' MIN

52.00' MIN

3.00' WALKWAY

NOTE:
 1. SEE DRAWING TT-B0020A FOR GENERAL TYPICAL SECTION NOTES.

**SECTION D-D
THREE TRACKS AT GRADE
ONE TRACK ON RETAINED FILL
ADJACENT TO SR 152**

TANGENT

SUPERELEVATED

00 TO 6297+35.73
 00 TO 6543+20.00
 00 TO 6560+40.42
 4 TO 36311+27.28
 00 TO 15000+07.42*
 12 TO 15015+64.00*

03 TO 6321+71.04
 08 TO 36321+69.72
 00 TO 15023+11.00*

VIEWED IN THE
 G STATIONING.

PROPOSED R/W
 PROPOSED HST R/W VARIES
 236' MIN
 PROPOSED R/W

30.00'
 15.00'
 MIN (SEE NOTE 4)
 HST NB TRACK SJD-MER
 HST SB TRACK MER-FRE
 OCS POLE
 12.50'
 10.00'
 10.67'
 6.83'
 3.00'
 RAILING (TYP)
 EXIST SR 152 R/W VARIES
 VARIES (SEE NOTE 3)
 ETW
 52.00' MIN
 CL EXIST WB SR 152
 AR FENCE
 OG
 15.00' MIN
 25.00'
 10.67'
 25.00'
 10.67'
 16.50'
 10.67'
 18.00' MIN
 35.00'
 3.00'
 WALKWAY
 2:1 OR FLATTER
 TOE
 VIADUCT
 TOE
 15.00'
 TRAPEZOIDAL DITCH (TYP)
 RETAINING WALL (TYP) (WHERE SHOWN ON CIVIL AND GRADE SEPARATION PLANS)
 CABLE DUCT (TYP)
 3' DIA (TYP)
 EMBANKMENT HEIGHT VARIES
 FINISH GRADE

SECTION E-E
THREE TRACKS AT GRADE
ONE TRACK ON AERIAL STRUCTURE
ADJACENT TO SR 152

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TYPICAL SECTION SHEET 3 OF 12	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-B0022-A
						CHECKED BY E. CASTELI					SCALE N.T.S.
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

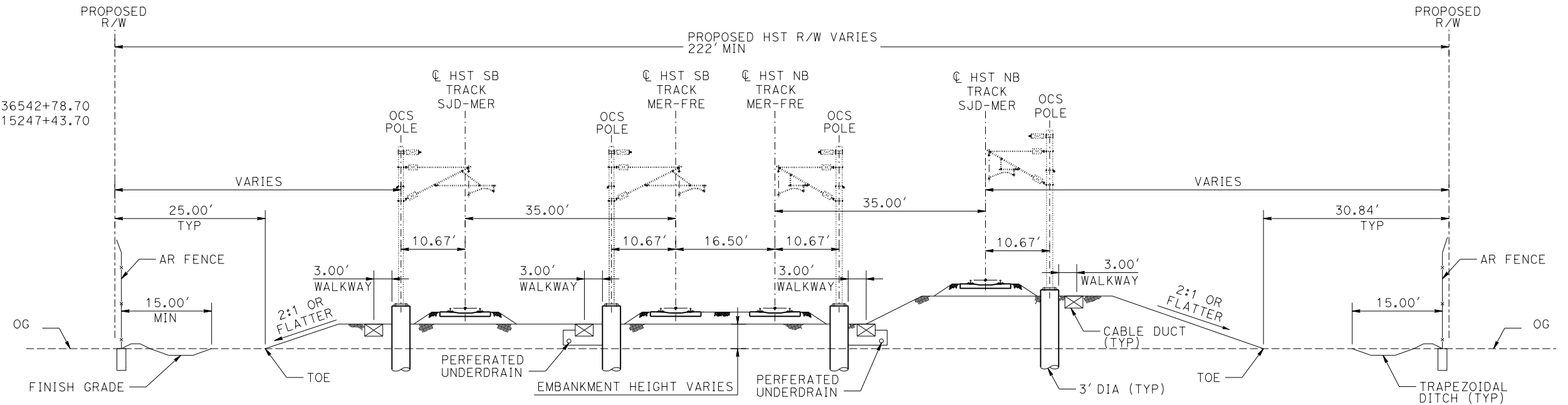
SECTION F-F

TANGENT

STATION SJD-MER 36514+09.24 TO 36542+78.70
STATION MER-FRE 15218+74.65 TO 15247+43.70

SUPERELEVATED

N/A



SECTION F-F FOUR TRACKS AT GRADE

NOTE:

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

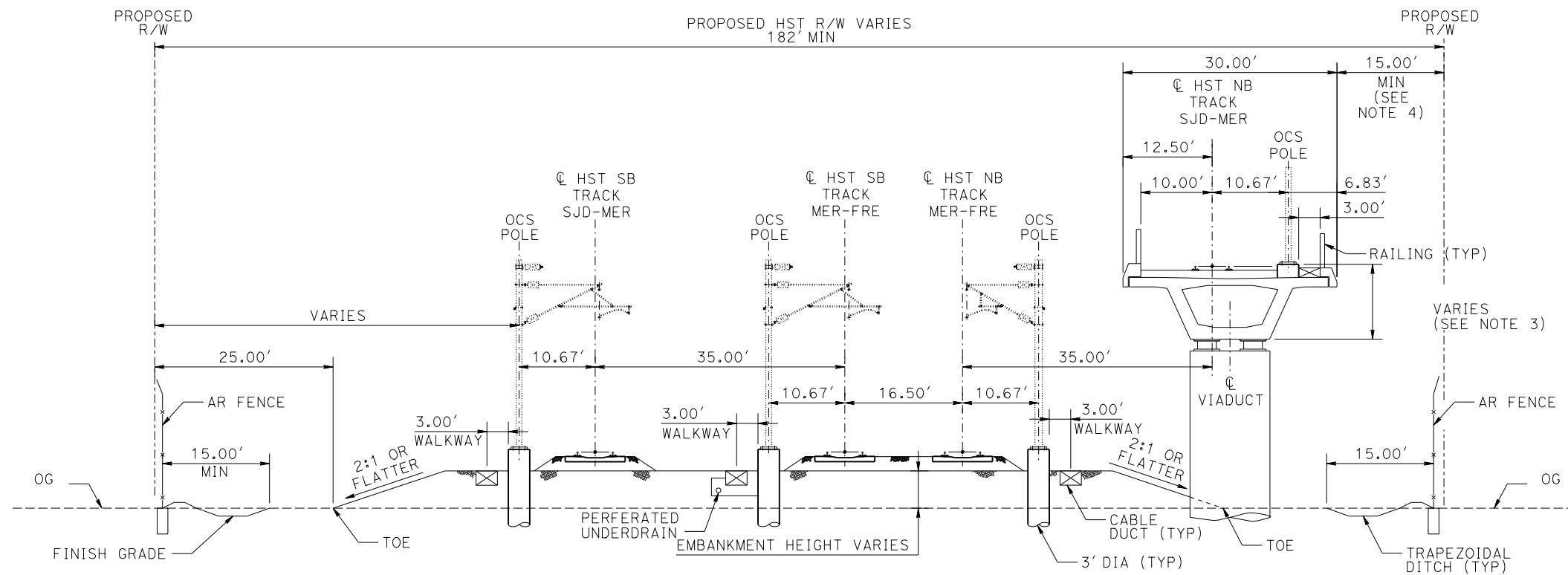
SECTION G-G

TANGENT

STATION SJD-MER 36488+30.79 TO 36507+19.24
STATION MER-FRE 15193+70.61 TO 15211+84.65

SUPERELEVATED

STATION SJD-MER 36482+89.48 TO 36488+30.79
STATION MER-FRE 15187+55.00 TO 15193+70.61



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

MF-TT-B0023-A.dgn

30-OCT-2015 10:52

0009448g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 4 OF 12

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

TANGENT

STATION SJD-FRE 6519+45.22 TO 6526+57.00

SUPERELEVATED

STATION SJD-FRE 6321+71.04 TO 6327+71.13
STATION SJD-MER 36321+69.72 TO 36327+65.62
STATION MER-FRE 15023+11.00 TO 15031+11.00*

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

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

PROPOSED R/W
VARIES 152' MIN

PROPOSED HST R/W VARIES 190' MIN

CL HST SB TRACK SJD-MER / CL HST NB TRACK MER-FRE

VARIES 0.00-35.00'

CL HST NB TRACK SJD-FRE

CL HST SB TRACK SJD-FRE

VARIES 25'-40'

VARIES (SEE NOTE 4)

15.00' (SEE NOTE 4)

AR FENCE

15.00' MIN

TOE

2:1 OR FLATTER

3.00' WALKWAY

14.33' MIN

10.67'

14.33'

10.67'

16.50'

10.67'

14.33' MIN

27.00' MIN

AR FENCE

15.00' MIN

TRAPEZOID

TOE

2:1 OR FLATTER

3' DIA (TYP)

EMBANKMENT HEIGHT VARIES

CABLE DUCT (TYP)

CL HST NB TRACK SJD-MER / CL HST SB TRACK MER-FRE

CL HST SB TRACK SJD-MER / CL HST NB TRACK MER-FRE

CL HST NB TRACK SJD-FRE

CL HST SB TRACK SJD-FRE

CL VIADUCT

OCS POLE

OCS POLE

OCS POLE

OCS POLE

RAILING (TYP)

STEEL BOX GIRDER

30.00'

13.25'

12.00'

10.67'

3.00' WALKWAY

NOTE:

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

TANGENT

STATION SJD-FRE 6514+42.10 TO 6519+45.22

SUPERELEVATED

STATION SJD-FRE 6327+71.13 TO 6331+87.25
STATION SJD-MER 36327+65.62 TO 36331+74.54
STATION MER-FRE 15031+11.00 TO 15035+23.00*

Plan view of the proposed high-speed rail alignment. The diagram shows a cross-section of the rail corridor with various tracks and infrastructure. From left to right, it includes: an AR fence with a 15.00' minimum width; a 3.00' walkway; an OCS pole; a 10.67' gap; a 60-100' variable section; another 10.67' gap; a 3.00' walkway; a 14.33' gap; an OCS pole; a 10.67' gap; a 16.50' gap; a 10.67' gap; another OCS pole; a 14.33' gap; a 27.00' minimum section; an AR fence with a 15.00' minimum width; and a trapezoidal ditch. The tracks are labeled: HST SB TRACK SJD-MER, HST NB TRACK MER-FRE, VIADUCT, OCS POLE, HST NB TRACK SJD-FRE, HST SB TRACK SJD-FRE, and OCS POLE. The diagram also shows the existing SR 152 R/W, EXIST WB SR 152, and the proposed 52.00' minimum width. The ground line (OG) and finish grade are indicated. Other labels include 'EMBAKMENT HEIGHT VARIES', '3' DIA (TYP)', and 'TRAPEZOIDAL DITCH (TYP)'.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 5 OF 12

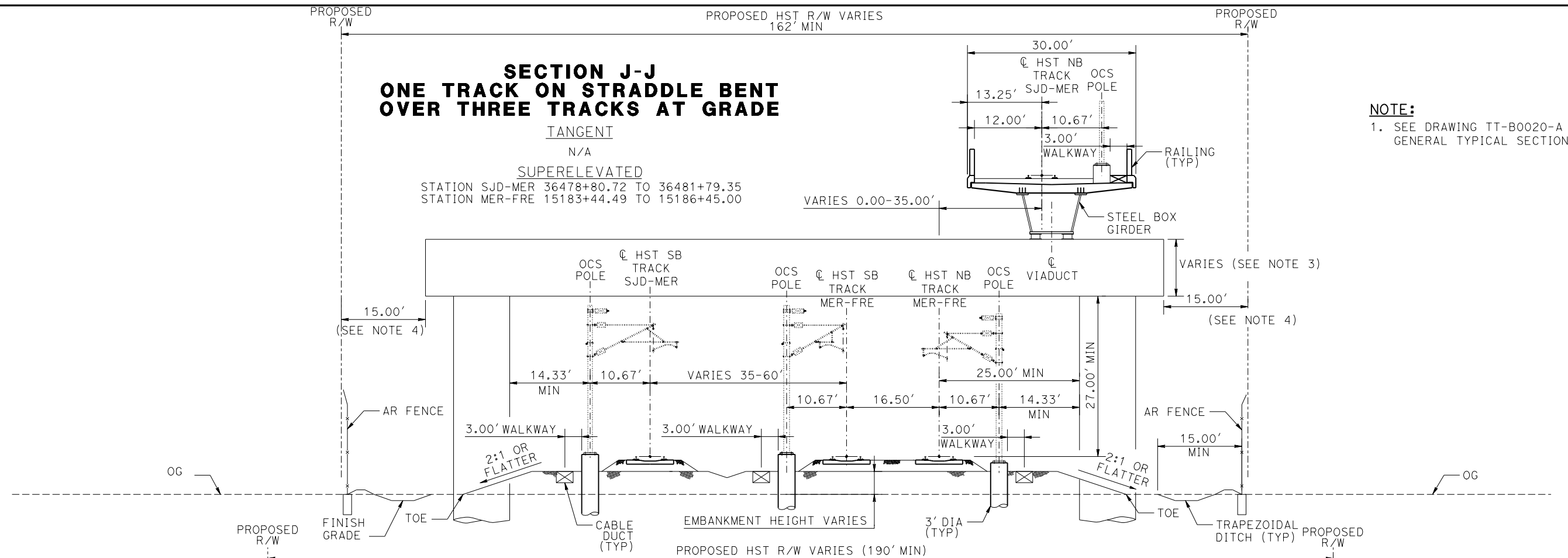
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0024-A

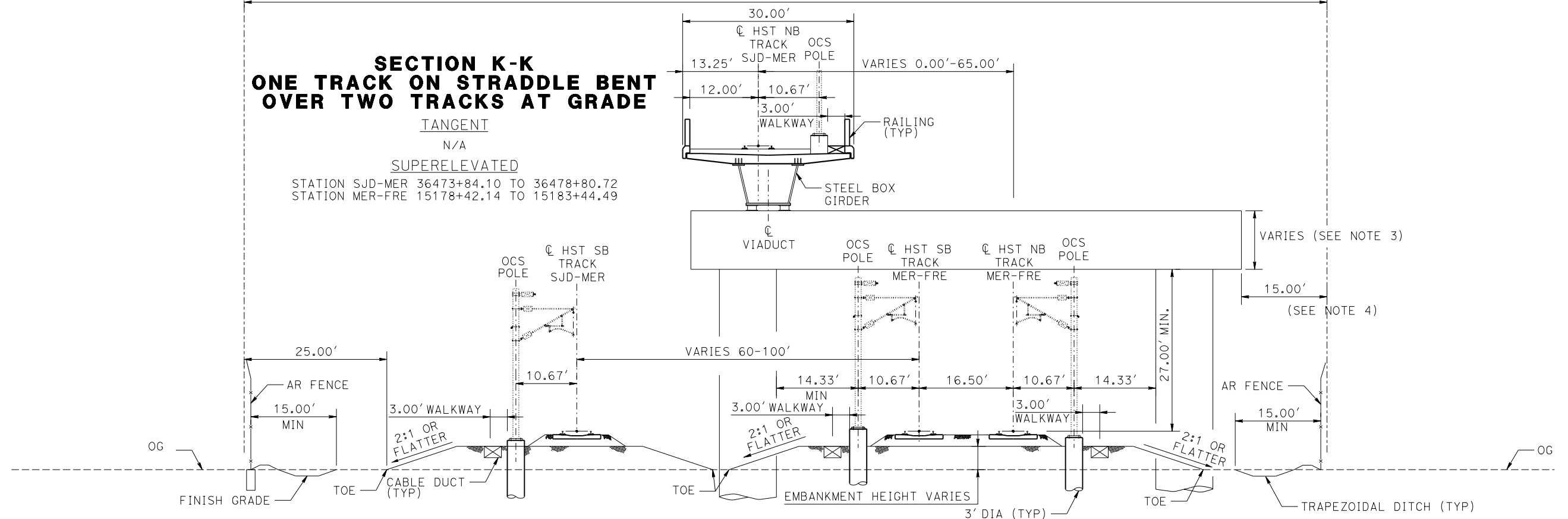
SCALE
N.T.S.

SHEET NO.

MF-TT-B0025-A.dgn
29-OCT-2015 01:30
p005133g



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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
E. CASTELI

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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 6 OF 12

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0025-A

SCALE
N.T.S.

SHEET NO.

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

SECTION L-L

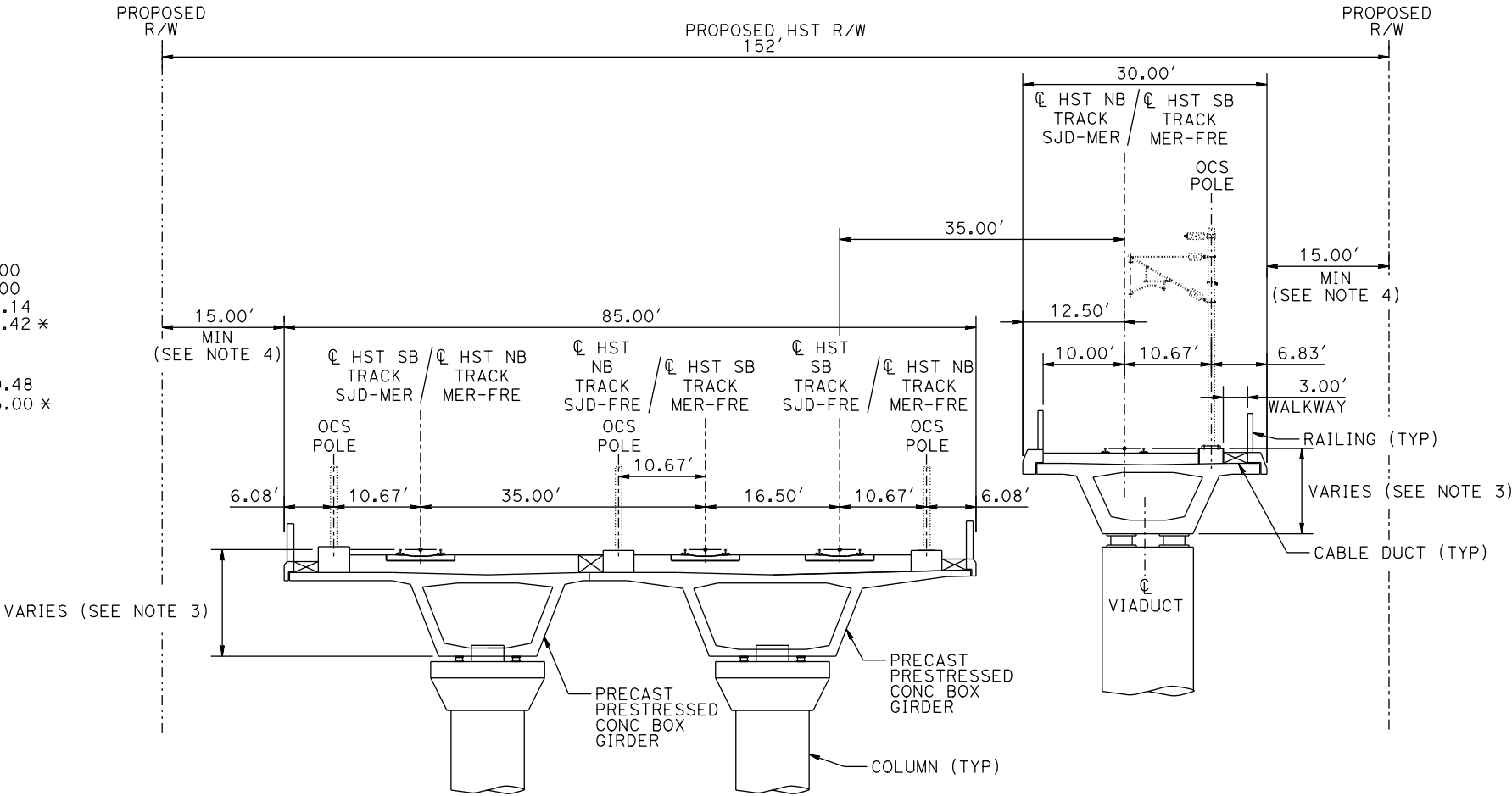
TANGENT

STATION SJD-FRE 6274+38.00 TO 6284+08.00
STATION SJD-FRE 6543+20.00 TO 6549+60.00
STATION SJD-MER 36274+38.14 TO 36284+08.14
STATION MER-FRE 15000+07.42 TO 15006+47.42 *

SUPERELEVATED

STATION SJD-MER 36481+79.35 TO 36482+89.48
STATION MER-FRE 15186+45.00 TO 15187+55.00 *

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



SECTION L-L
FOUR TRACKS ON TWO AERIAL STRUCTURES

16-MAR-2016 11:24 MF-TT-B0026-A.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 RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 7 OF 12

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

SECTION M-M

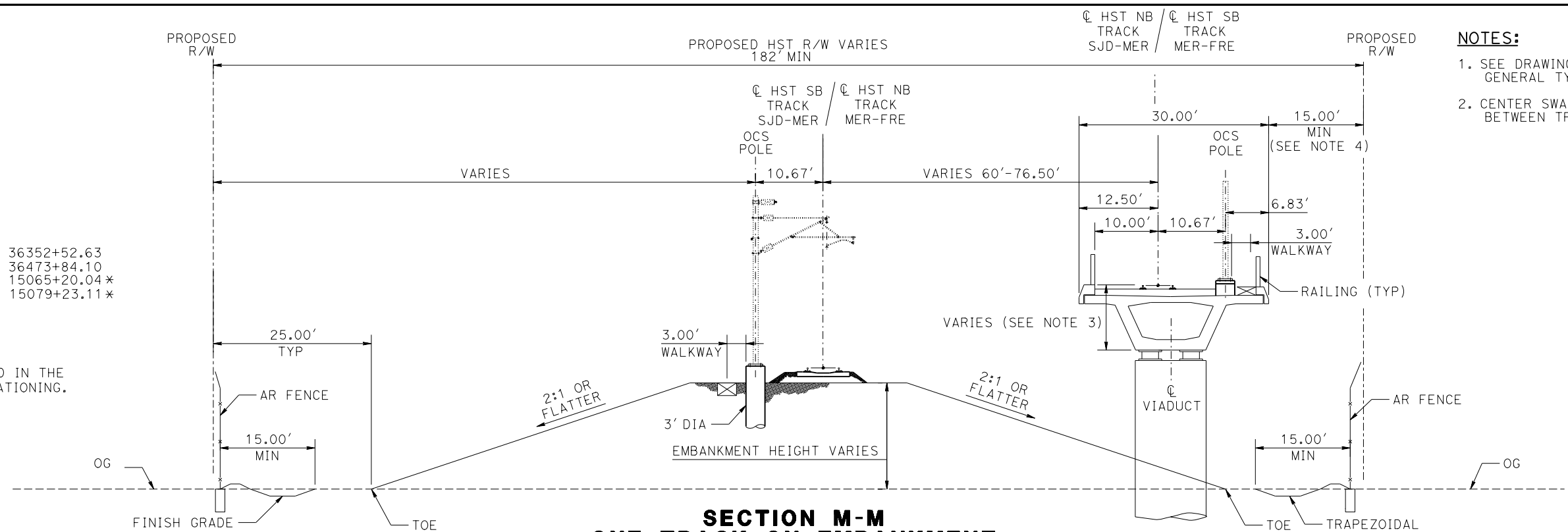
TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36331+74.54 TO 36352+52.63
STATION SJD-MER 36449+30.67 TO 36473+84.10
STATION MER-FRE 15035+23.00 TO 15065+20.04 *
STATION MER-FRE 15067+61.46 TO 15079+23.11 *

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



NOTES:

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

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

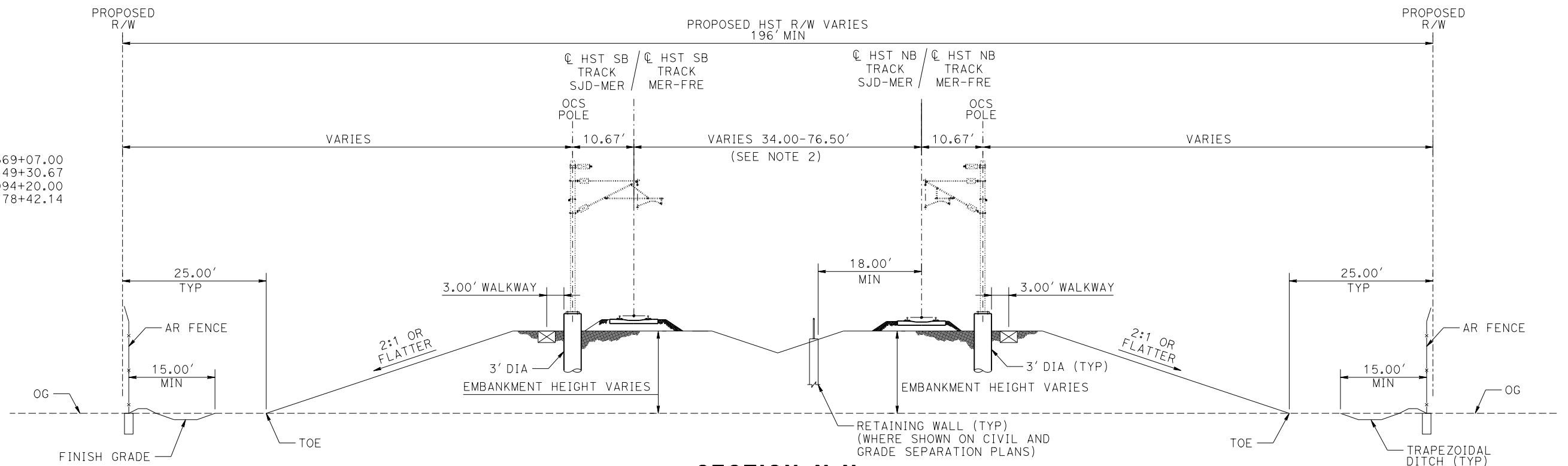
SECTION N-N

TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36352+52.63 TO 36369+07.00
STATION SJD-MER 36371+47.00 TO 36449+30.67
STATION MER-FRE 15081+67.00 TO 15094+20.00
STATION MER-FRE 15096+60.00 TO 15178+42.14



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

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

**RECORD SET
15% DESIGN
SUBMITTAL**

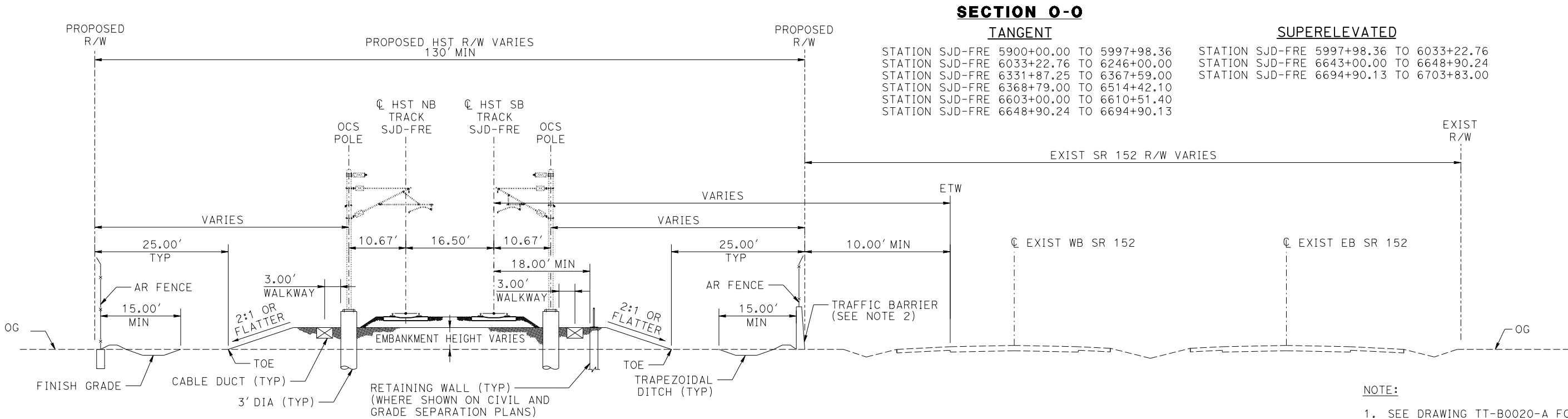
**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 8 OF 12

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



SECTION 0-0

TWO TRACKS ON EMBANKMENT ADJACENT TO SR 152

MF-TT-B0028-A.dgn

26-OCT-2015 17:22

p005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET

15% DESIGN

SUBMITTAL

NOT FOR

CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT

MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

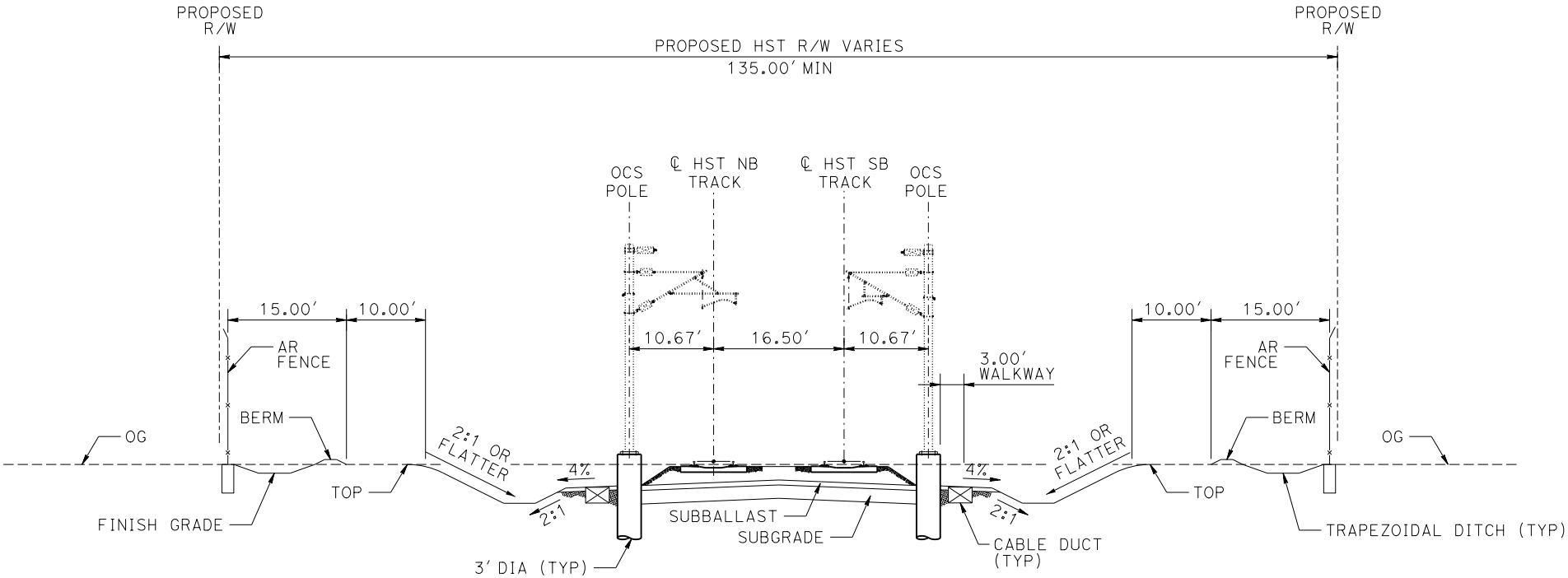
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

TYPICAL SECTION

SHEET 9 OF 12

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

p005133g 26-OCT-2015 17:23 MF-TT-B0029-A.dgn



SECTION Q-Q
TWO TRACKS IN CUT

TANGENT
N/A

SUPERELEVATED

STATION SJD-FRE 6610+51.40 TO 6643+00.00

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 10 OF 12

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

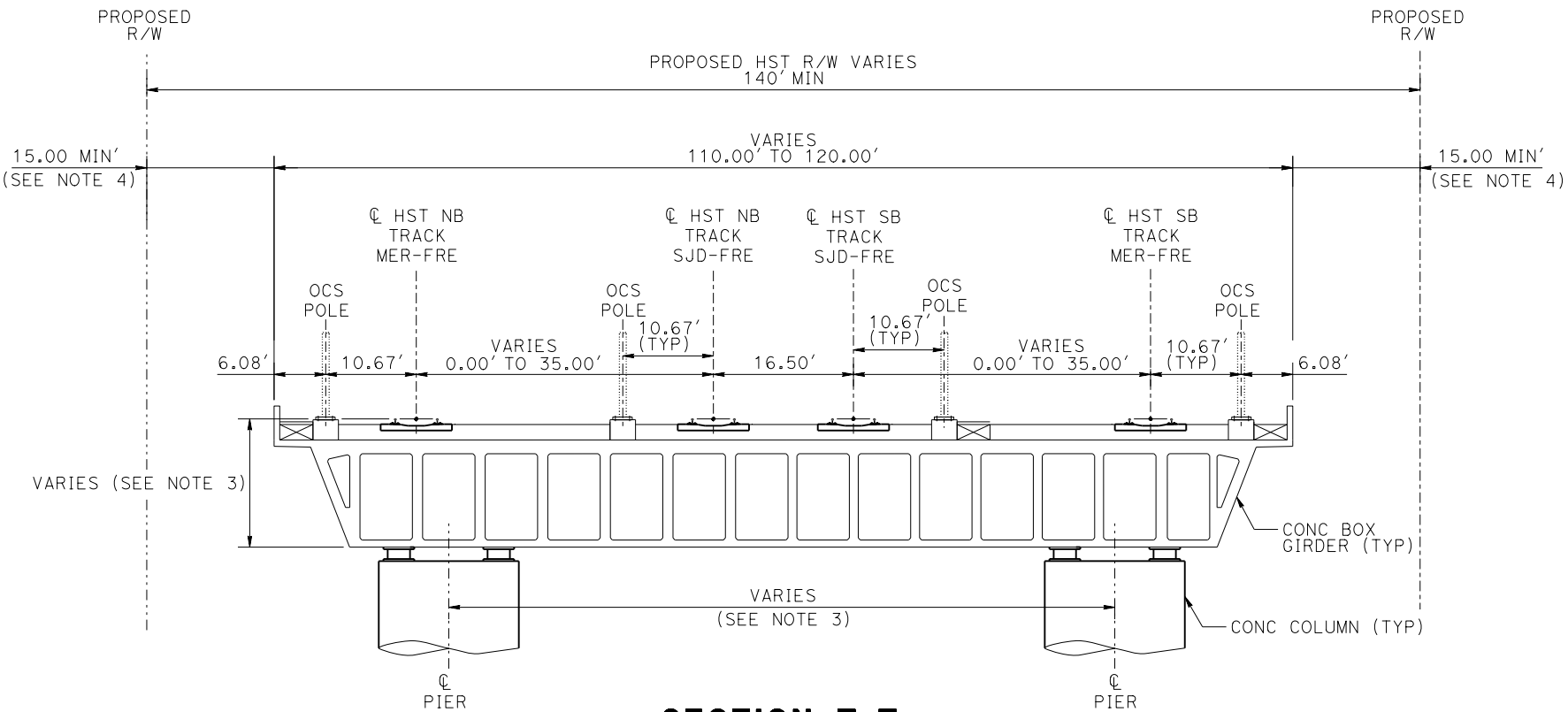
NOTE:
1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

SECTION T-T
TANGENT

STATION SJD-FRE 6577+68.00 TO 6579+18.00
STATION MER-FRE 14970+49.42 TO 14971+99.42 *

SUPERELEVATED
N/A

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



SECTION T-T
FOUR TRACKS ON STRUCTURE

MF-TT-B0030-A.dgn
29-OCT-2015 01:40
p005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 11 OF 12

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

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

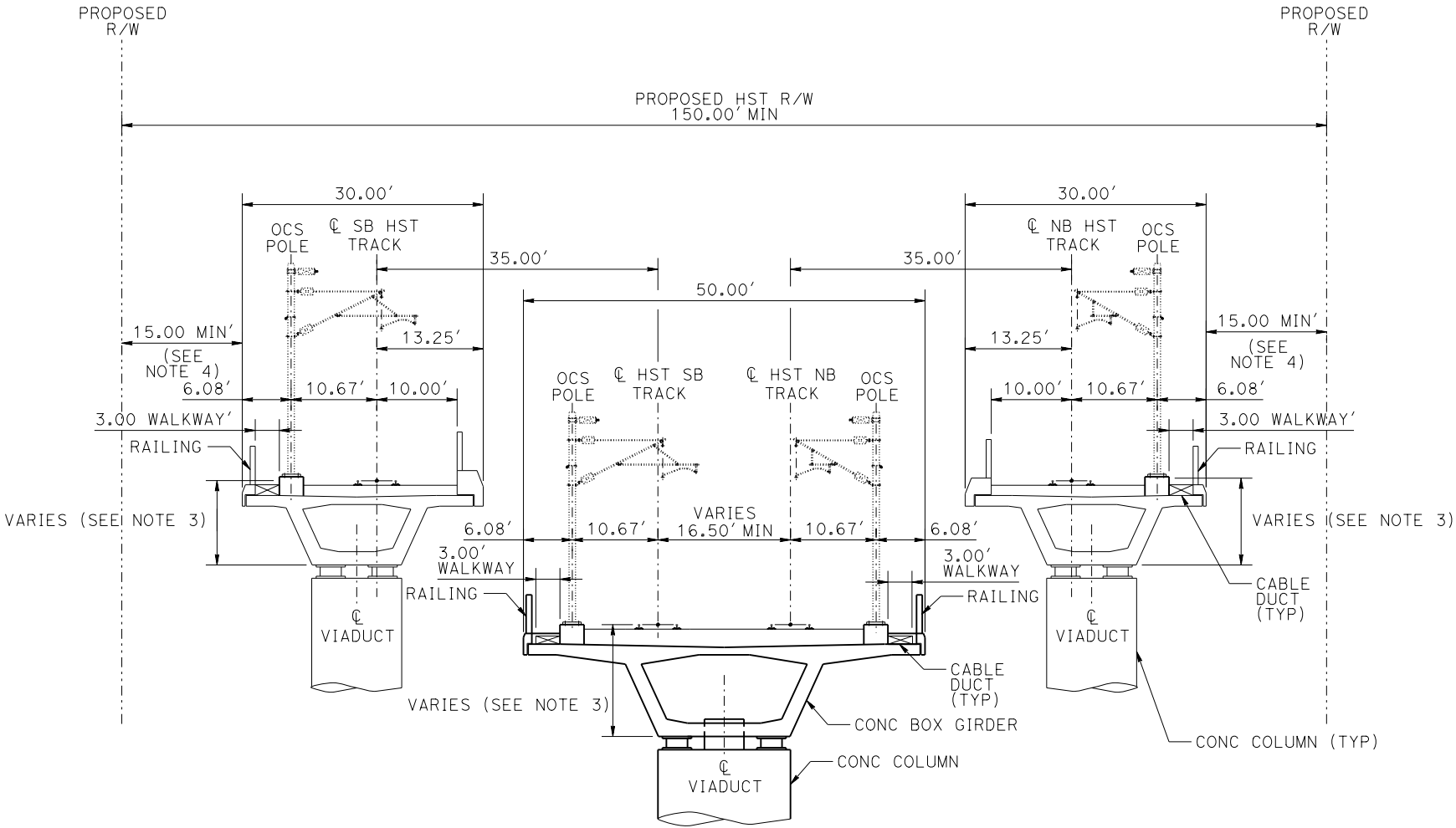
SECTION U-U

TANGENT

STATION SJD-MER 36507+19.24 TO 36514+09.24
STATION MER-FRE 15211+84.65 TO 15218+74.65

SUPERELEVATED

N/A



SECTION U-U
FOUR TRACKS ON THREE STRUCTURES

MF-TT-B0031-A.dgn
29-OCT-2015 01:40
p005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 12 OF 12

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

p009448g 30-OCT-2015 01:52 MF-TT-B0050-A.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH 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		13,071.16							S 89°46'01" E		
	TANGENT	TS	5468+71.16	1857997.95	6522177.45											
152 N-13 SJD-FRE 1 SB	CLOTHOID	TS	5468+71.16	1857997.95	6522177.45											
	CLOTHOID	SPI	5479+71.18	1857993.48	6523277.46		1,650.00	1°03'01.52"	824.99	2.52					S 89°46'01" E	S 88°43'00" E
	CLOTHOID	SC	5485+21.16	1857981.16	6523827.34											
	ARC	SC	5485+21.16	1857981.16	6523827.34											
	ARC	PI	5543+57.71	1857850.43	6529662.42	45,000.00	11,608.30	14°46'48.54"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E
	ARC	CC		1812992.45	6522819.41											
	ARC	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	SPI	5606+79.48	1856083.24	6535799.63		1,650.00	1°03'01.52"	824.99	2.52					S 73°56'11" E	S 72°53'10" E
	CLOTHOID	ST	5617+79.46	1855759.53	6536850.94											
	TANGENT	ST	5617+79.46	1855759.53	6536850.94		1,471.20							S 72°53'10" E		
	TANGENT	TS	5632+50.67	1855326.60	6538257.00											
152 N-13 SJD-FRE 2 SB	CLOTHOID	TS	5632+50.67	1855326.60	6538257.00											
	CLOTHOID	SPI	5642+84.02	1855022.51	6539244.60		1,550.00	0°59'11.04"	774.99	2.22					S 72°53'10" E	S 73°52'21" E
	CLOTHOID	SC	5648+00.67	1854878.99	6539740.94											
	ARC	SC	5648+00.67	1854878.99	6539740.94											
	ARC	PI	5706+82.43	1853245.16	6545391.23	45,016.50	11,697.26	14°53'16.63"			250	3.75	1.80		S 73°52'21" E	S 88°45'37" E
	ARC	CC		1898123.88	6552245.52											
	ARC	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	SPI	5770+14.60	1853106.74	6551788.17		1,550.00	0°59'11.04"	774.99	2.22					S 88°45'37" E	S 89°44'48" E
	TANGENT	ST	5780+47.92	1853102.17	6552821.51		21,750.44							S 89°44'48" E		
	TANGENT	TS	5997+98.36	1853006.03	6574571.74											
152 N-13 SJD-FRE 3 SB	CLOTHOID	TS	5997+98.36	1853006.03	6574571.74										S 89°44'48" E	S 89°49'45" E
	CLOTHOID	SPI	6005+65.03	1853002.64	6575338.40		1,150.00	0°04'56.49"	575	0.14						
	CLOTHOID	SC	6009+48.36	1853001.49	6575721.73											
	ARC	SC	6009+48.36	1853001.49	6575721.73											
	ARC	PI	6015+60.56	1852999.67	6576333.93	400,016.50	1,224.40	0°10'31.35"			250	0.50	0.12		S 89°49'45" E	N 89°59'44" E
	ARC	CC		2253016.21	6576914.92											
	ARC	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	SPI	6025+56.10	1852999.75	6577329.46		1,150.00	0°04'56.49"	575	0.14					N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.76	1853000.91	6578096.13											

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY
D. OLIVETI
DRAWN BY
M. TACTAY
CHECKED BY
E. CASTELI
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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 1 OF 7

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0050-A
SCALE
N.T.S.
SHEET NO.

p0042226 10-FEB-201609:17 MF-TT-B0051-A.dgn

p0042226

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

**NOT FOR
CONSTRUCTION**



SHEET NO.

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

**NOT FOR
CONSTRUCTION**



SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**NOT FOR
CONSTRUCTION**



CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 4 OF 7

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

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 <i>CALIFORNIA</i> HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE SB TRACK MERCED TO FRESNO GEOMETRY DATA SHEET 5 OF 7	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-B0054-A
						CHECKED BY E. CASTELI					SCALE N.T.S.
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

p0042226 10-FEB-2016 09:17 MF-TT-B0055-A.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH 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	ST	24965+89.35	1853316.95	6633209.12		5,067.04							N 89°30'27" W		
	TANGENT	TS	25016+56.38	1853273.39	6628142.27											
152 N-13 MER-FRE 1 NB	CLOTHOID	TS	25016+56.38	1853273.39	6628142.27											
	CLOTHOID	SPI	25026+56.66	1853264.79	6627142.03		1,500.00	4°10'19"	749.87	9.10					S 89°30' 27" W	N 86°19'14" W
	CLOTHOID	SC	25031+56.38	1853296.89	6626642.81											
	ARC	SC	25031+56.38	1853296.89	6626642.81											
	ARC	PI	25120+98.44	1853870.75	6617719.18	10,300.00	14,727.84	81°55'35"			150	6.00	2.74		N 86°19'14" W	N 4°23'39" W
	ARC	CC		1863575.66	6627303.81											
	ARC	CS	25178+84.22	1862786.52	6617034.08											
	CLOTHOID	CS	25178+84.22	1862786.52	6617034.08											
	CLOTHOID	SPI	25183+84.47	1863285.31	6616995.76		1,500.00	4°10'19"	749.87	9.10					N 4°23'39" W	N 0°13'19" W
	CLOTHOID	ST	25193+84.22	1864285.58	6616991.88											
	TANGENT	ST	25193+84.22	1864285.58	6616991.88		5,922.25							N 0°13'19" W		
	TANGENT	TS	25253+06.47	1870207.78	6616968.93											
152 N-13 MER-FRE 2 NB	CLOTHOID	TS	25253+06.47	1870207.78	6616968.93											
	CLOTHOID	SPI	25268+06.58	1871707.88	6616963.12		2,250.00	2°08'51"	1,124.95	7.03					N 0°13'19" W	N 2°22'10" W
	CLOTHOID	SC	25275+56.47	1872457.34	6616932.11											
	ARC	SC	25275+56.47	1872457.34	6616932.11											
	ARC	PI	25384+96.65	1883388.17	6616479.81	30,016.50	20,982.08	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+38.55	1891464.40	6609099.97											
	CLOTHOID	CS	25485+38.55	1891464.40	6609099.97											
	CLOTHOID	SPI	25492+88.65	1892018.14	6608593.98		2,250.00	2°08'51"	1,124.95	7.03					N 42°25'13" W	N 44°34'03" W
	CLOTHOID	ST	25507+88.55	1893086.85	6607541.28											
	TANGENT	ST	25507+88.55	1893086.85	6607541.28		14,711.45							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
E. CASTELI
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

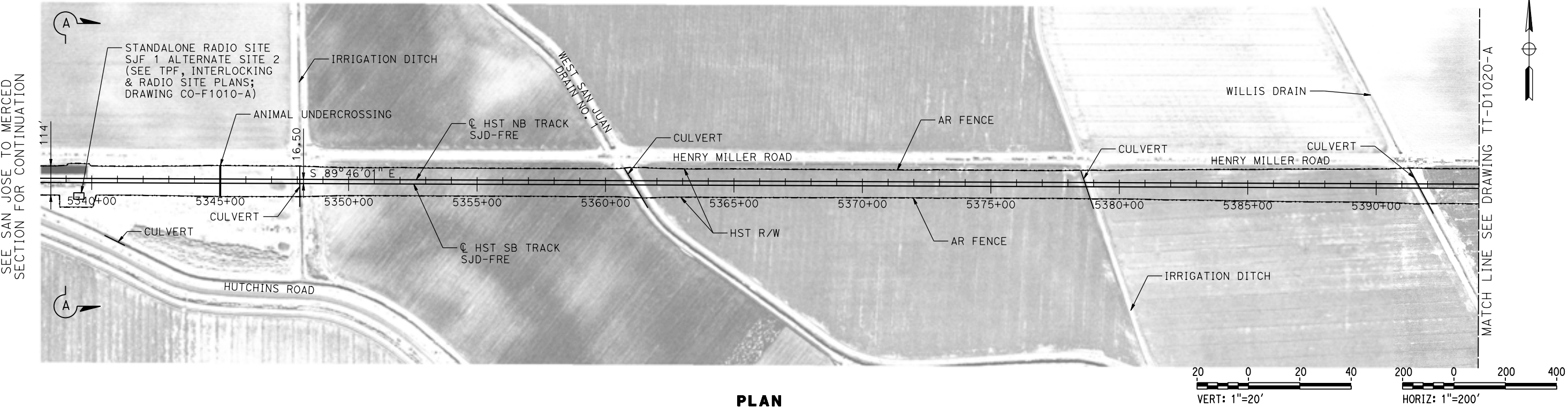
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRIC DATA
SHEET 6 OF 7

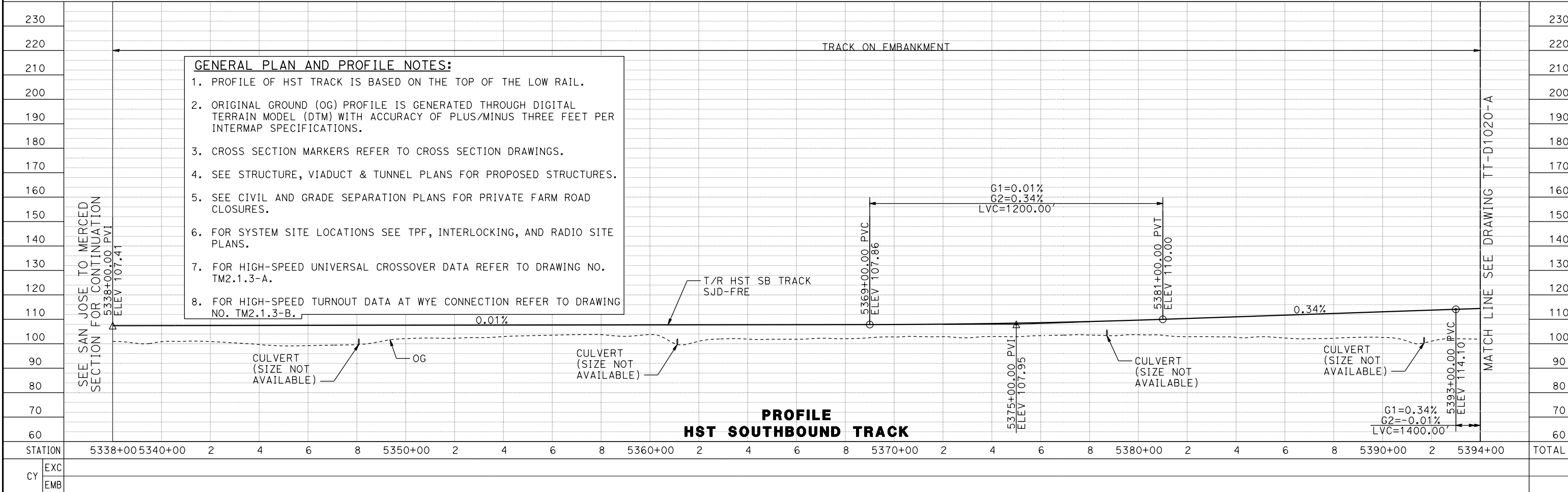
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0055-A
SCALE
N.T.S.
SHEET NO.

[illegible][illegible]

MERCED COUNTY

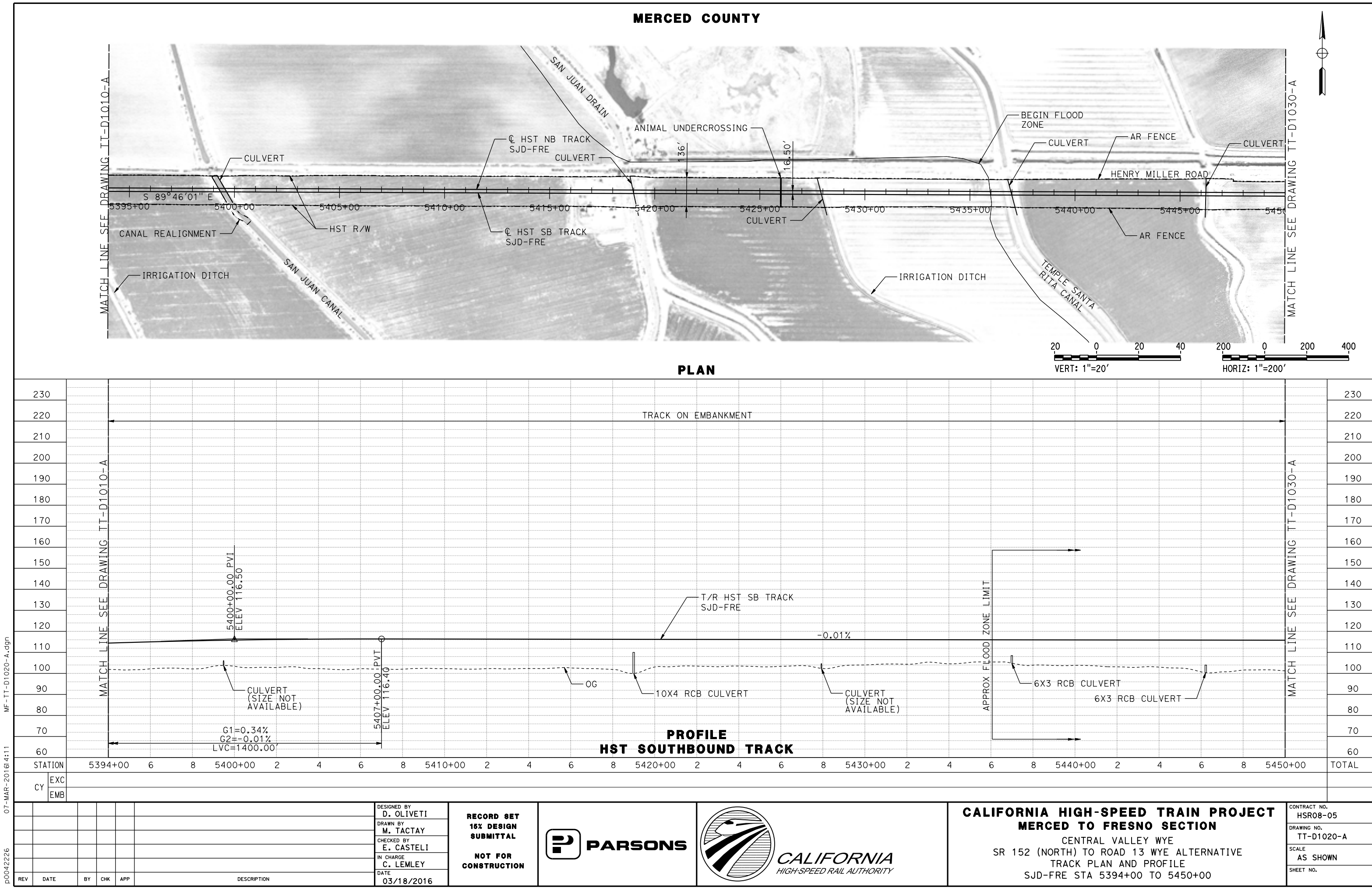


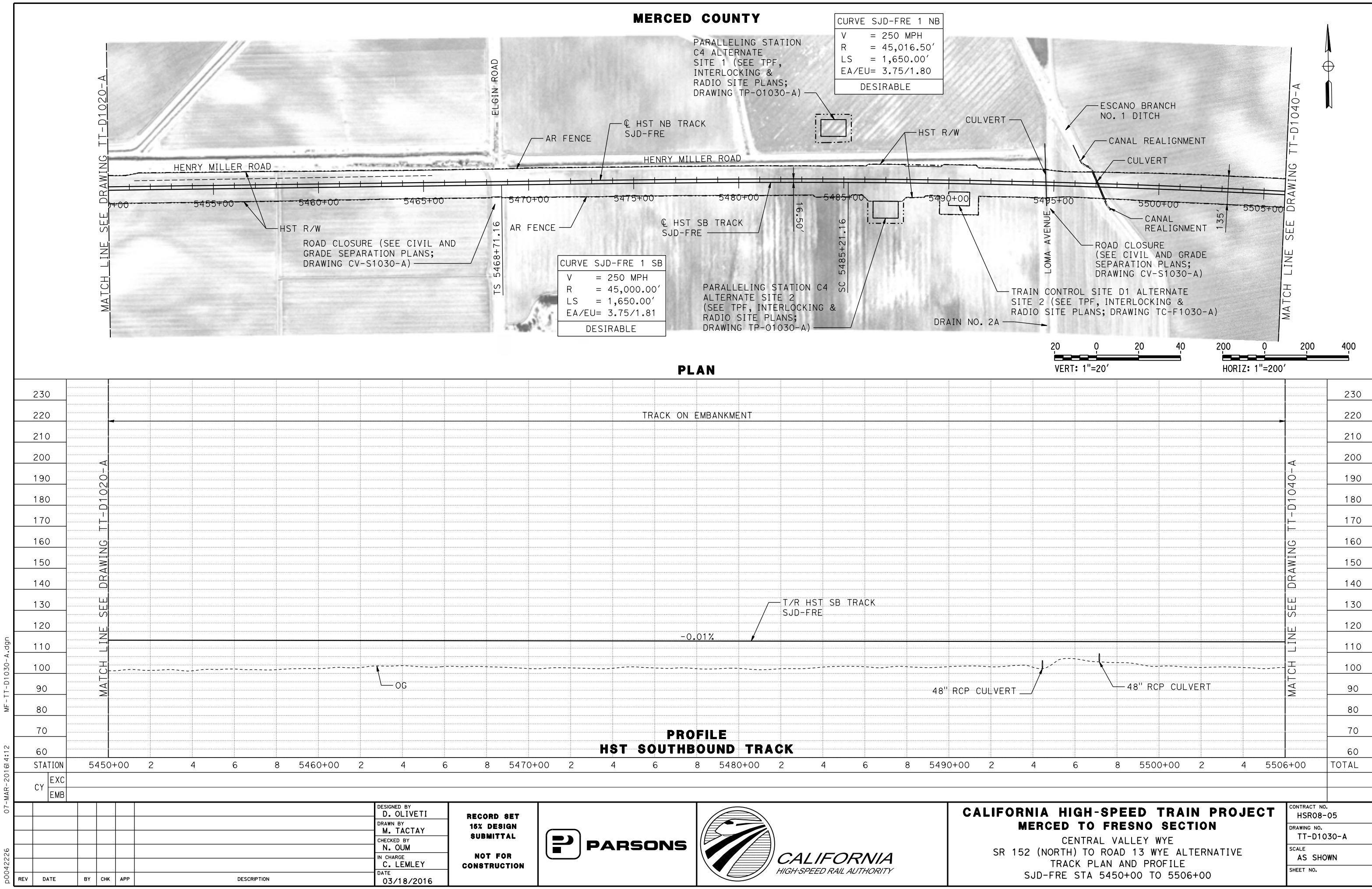
PLAN

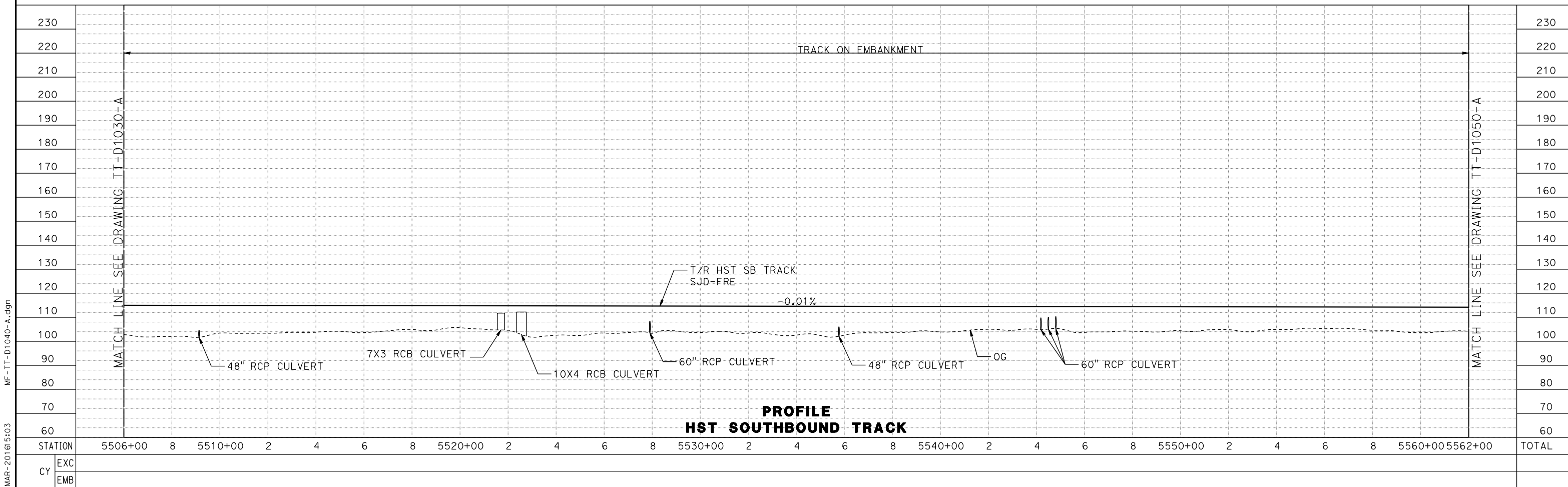
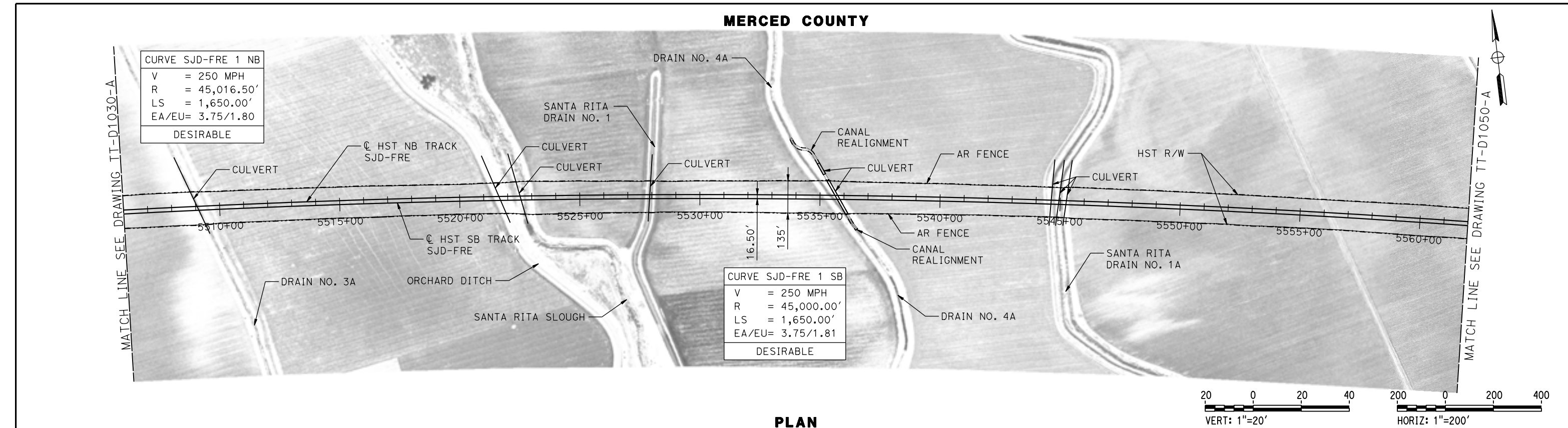


PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) 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-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION								

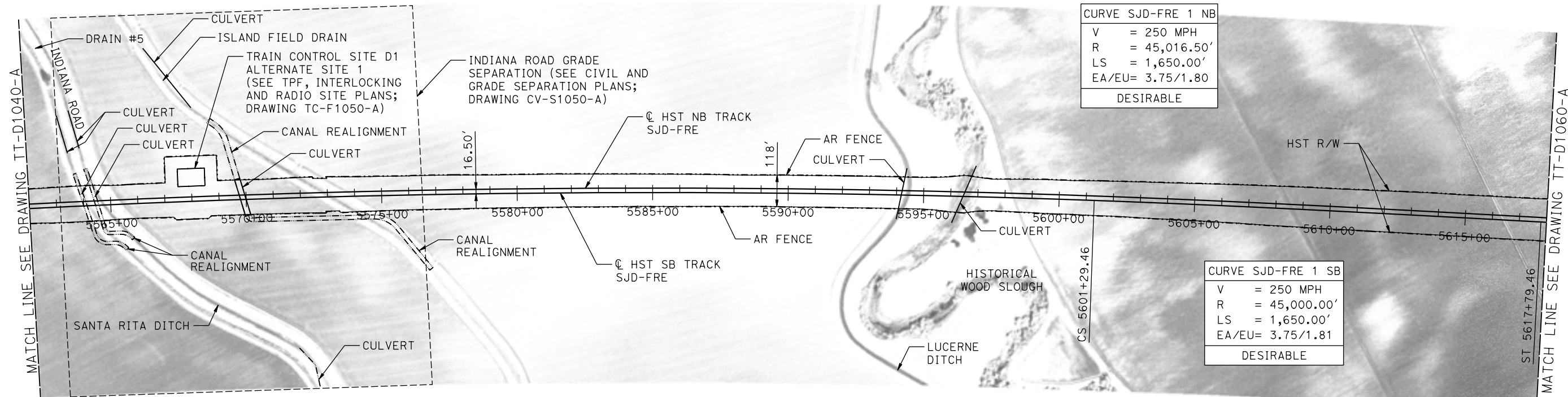






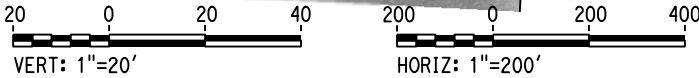
					DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5506+00 TO 5562+00	CONTRACT NO. HSR08-05
					DRAWN BY M. TACTAY					DRAWING NO. TT-D1040-A
					CHECKED BY E. CASTELI					SCALE AS SHOWN
					IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016				

MERCED COUNTY

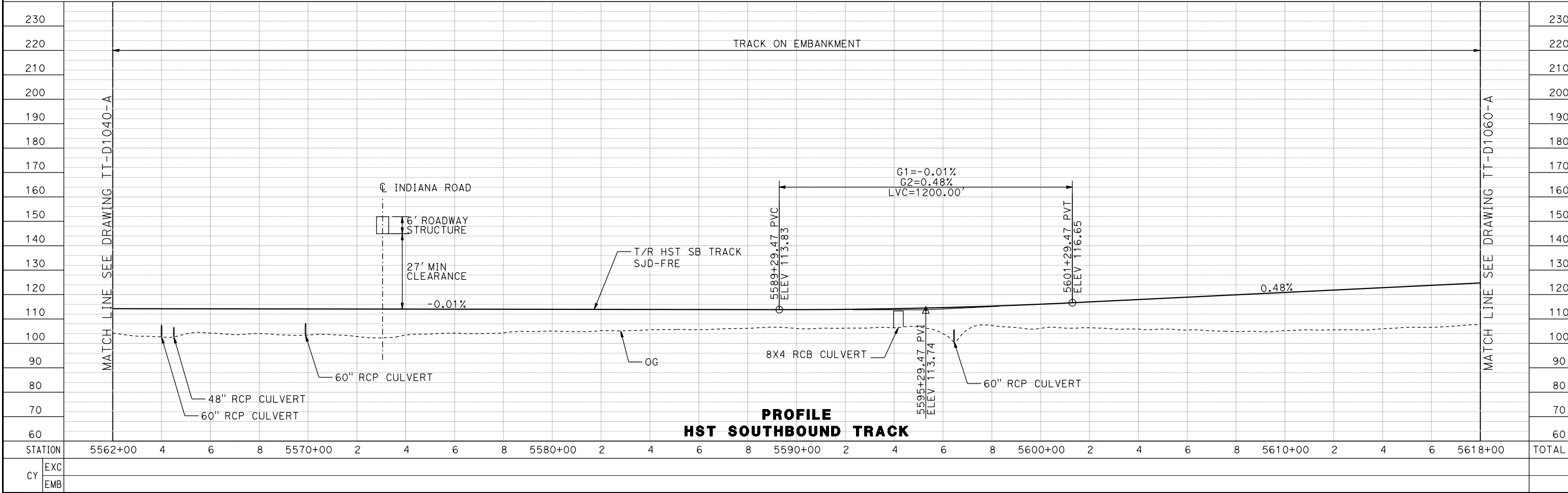


CURVE SJD-FRE 1 NB	
V	= 250 MPH
R	= 45,016.50'
LS	= 1,650.00'
EA/EU	= 3.75/1.80
DESIRABLE	

CURVE SJD-FRE 1 SB	
V	= 250 MPH
R	= 45,000.00'
LS	= 1,650.00'
EA/EU	= 3.75/1.81
DESIRABLE	



PLAN



PROFILE
HST SOUTHBOUND TRACK

07-MAR-2016 16:41:13 MF-TT-D1050-A.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

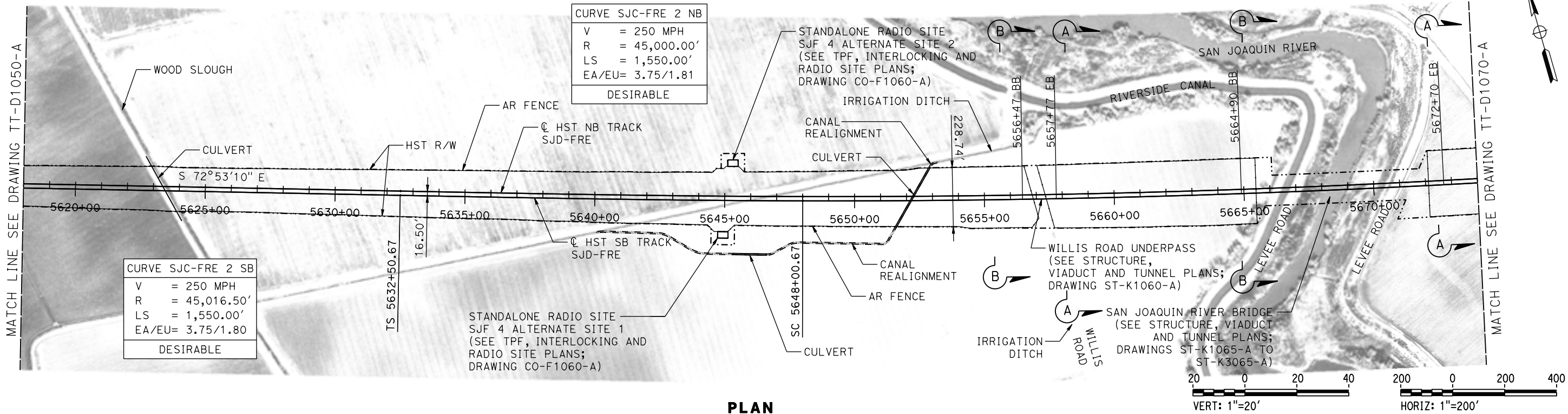
NOT FOR
CONSTRUCTION



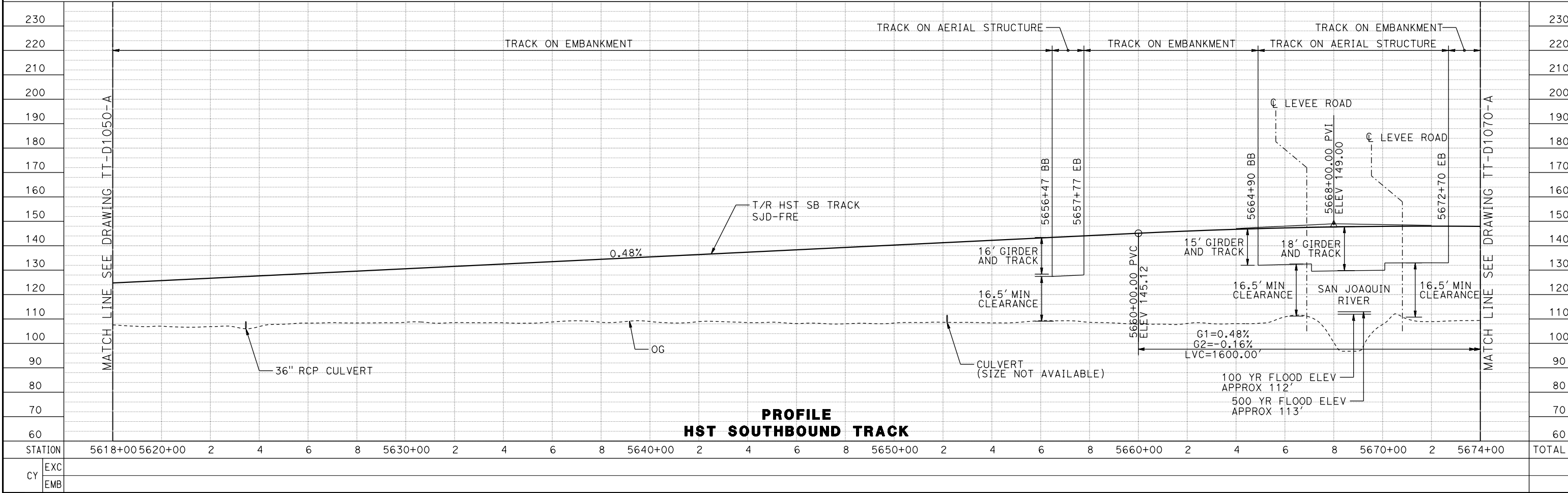
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5562+00 TO 5618+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1060-A.dgn
09-MAR-2016 01:58
p0042226

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

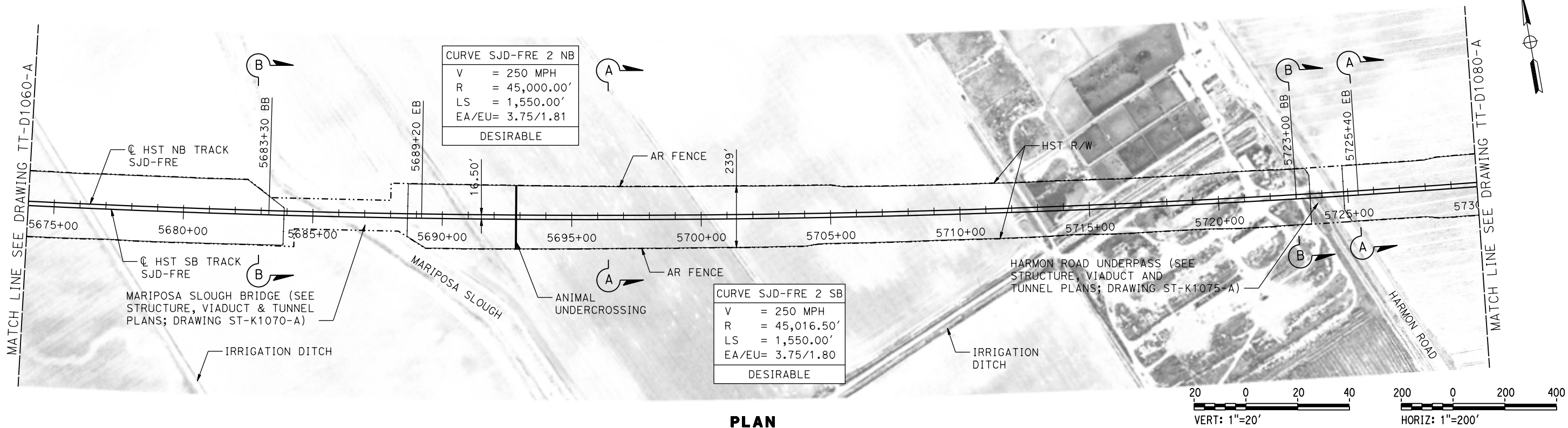
NOT FOR
CONSTRUCTION



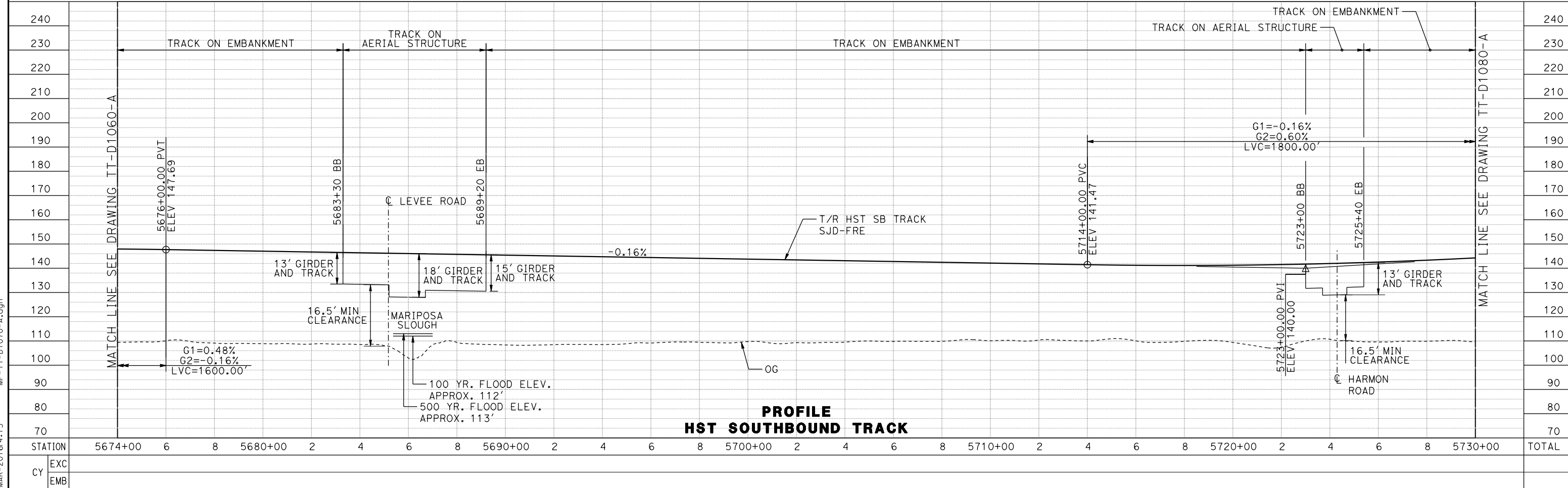
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5618+00 TO 5674+00

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

MERCED COUNTY



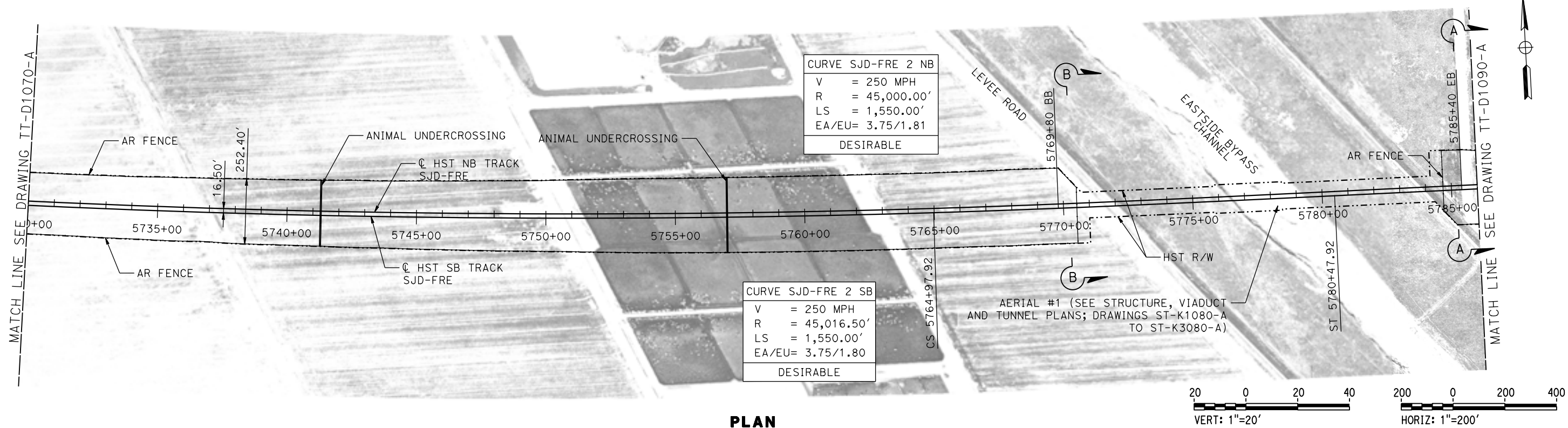
PLAN



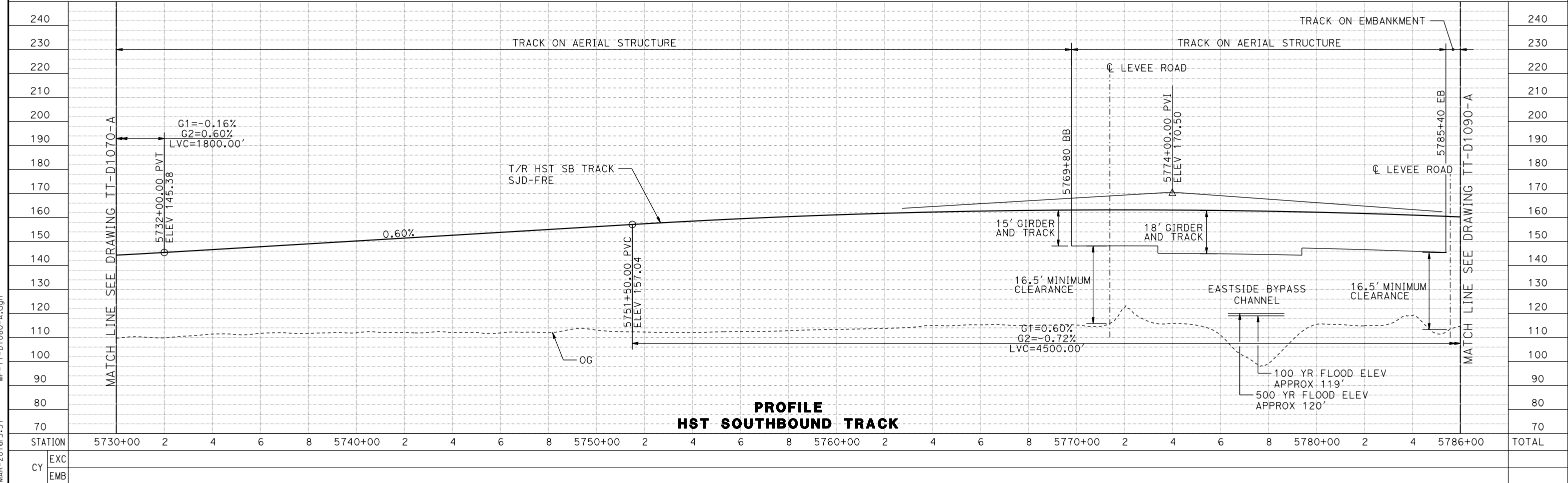
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) 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-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION										

MERCED COUNTY

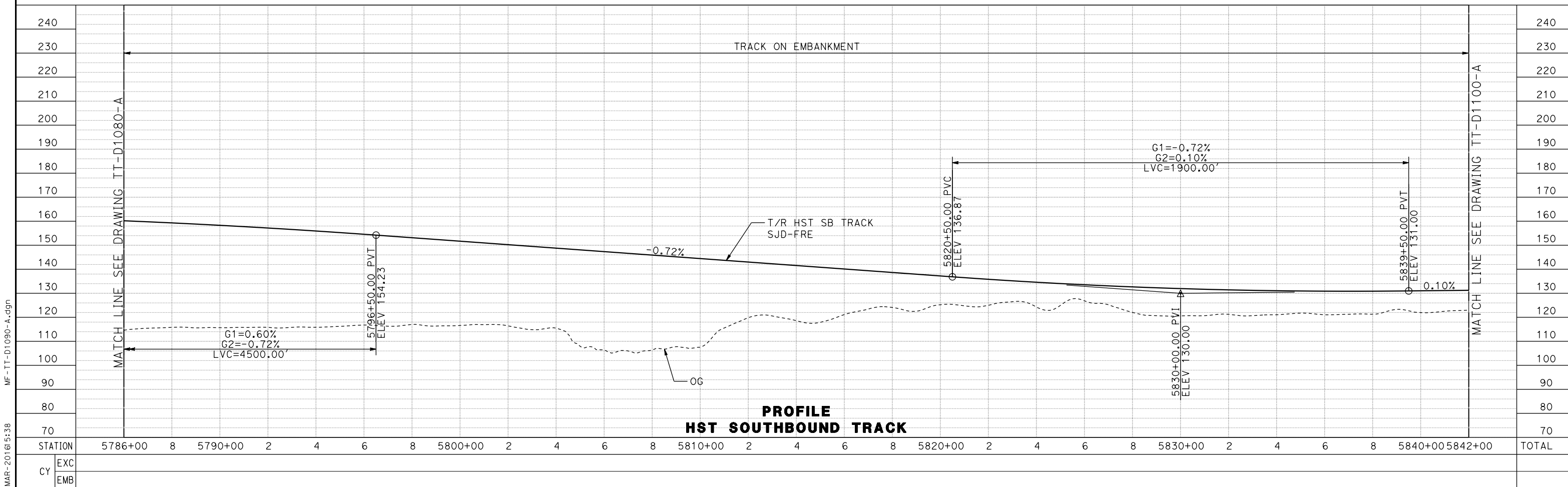
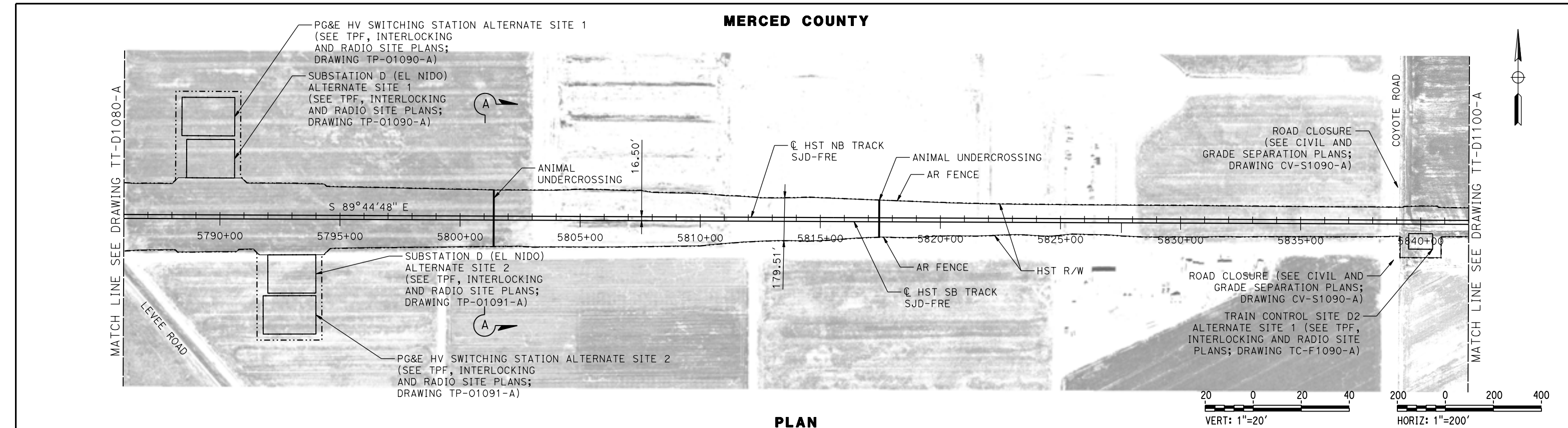


PLAN



PROFILE
HST SOUTHBOUND TRACK

07-MAR-2016 16:51:37 MF-TT-D1080-A.dgn					DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016		RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5730+00 TO 5786+00				CONTRACT NO. HSR08-05 DRAWING NO. TT-D1080-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION											



MF-TT-D1090-A.dgn

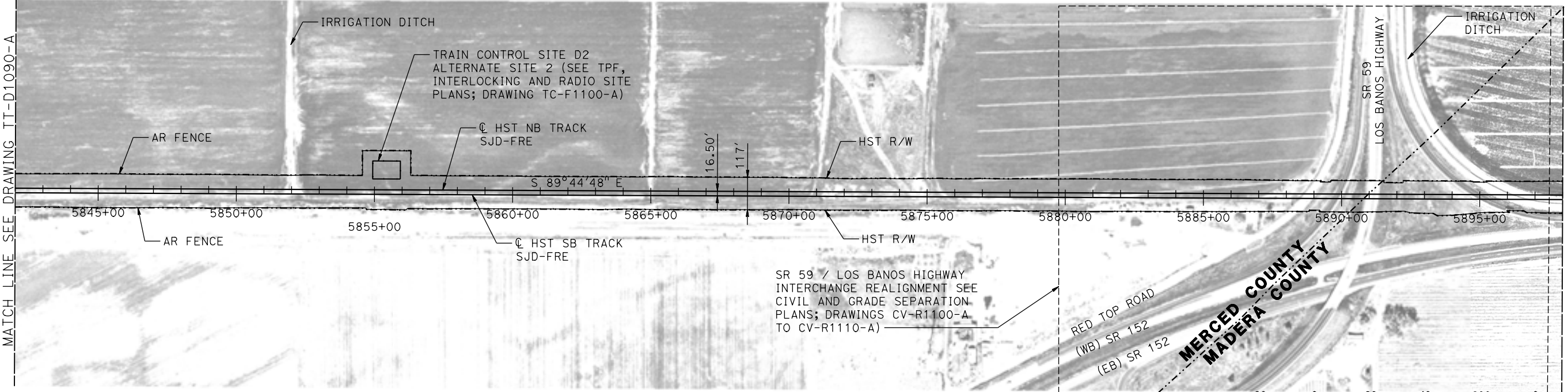
07-MAR-2016 16:51:38

p0042226

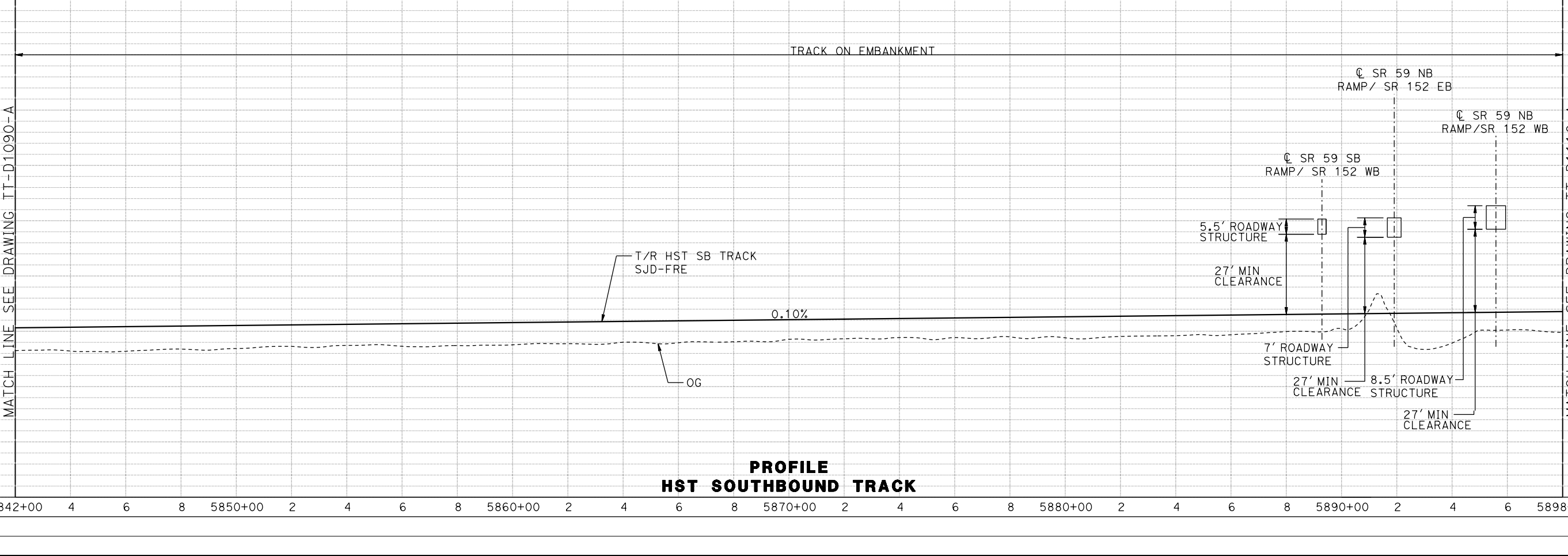
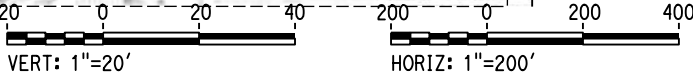
DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5786+00 TO 5842+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. TT-D1090-A
CHECKED BY E. CASTELI					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

MF-TT-D1100-A.dgn
08-MAR-2016 04:51
p0042226

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

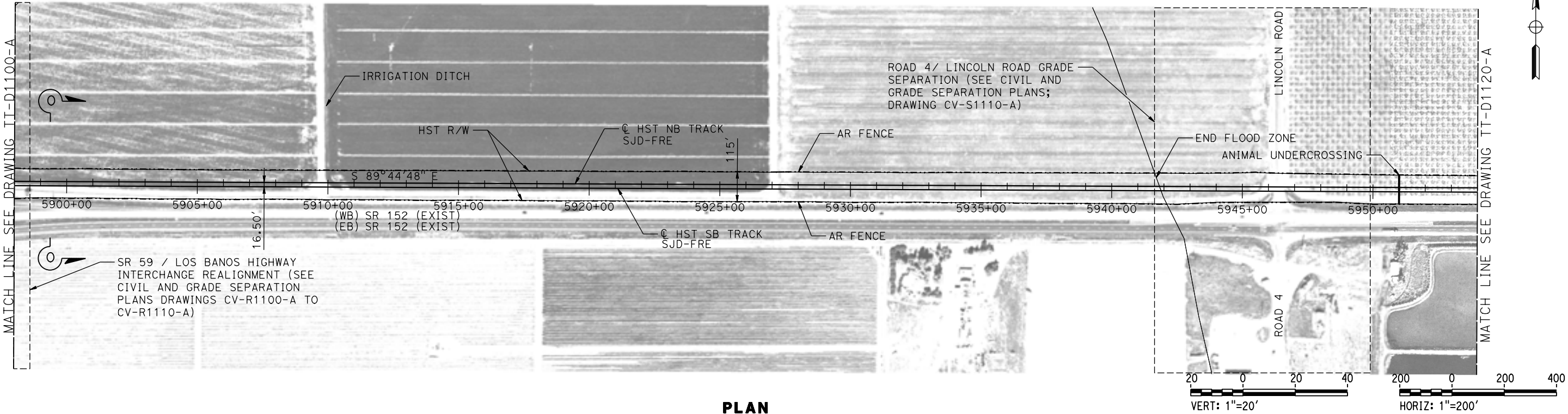
NOT FOR
CONSTRUCTION



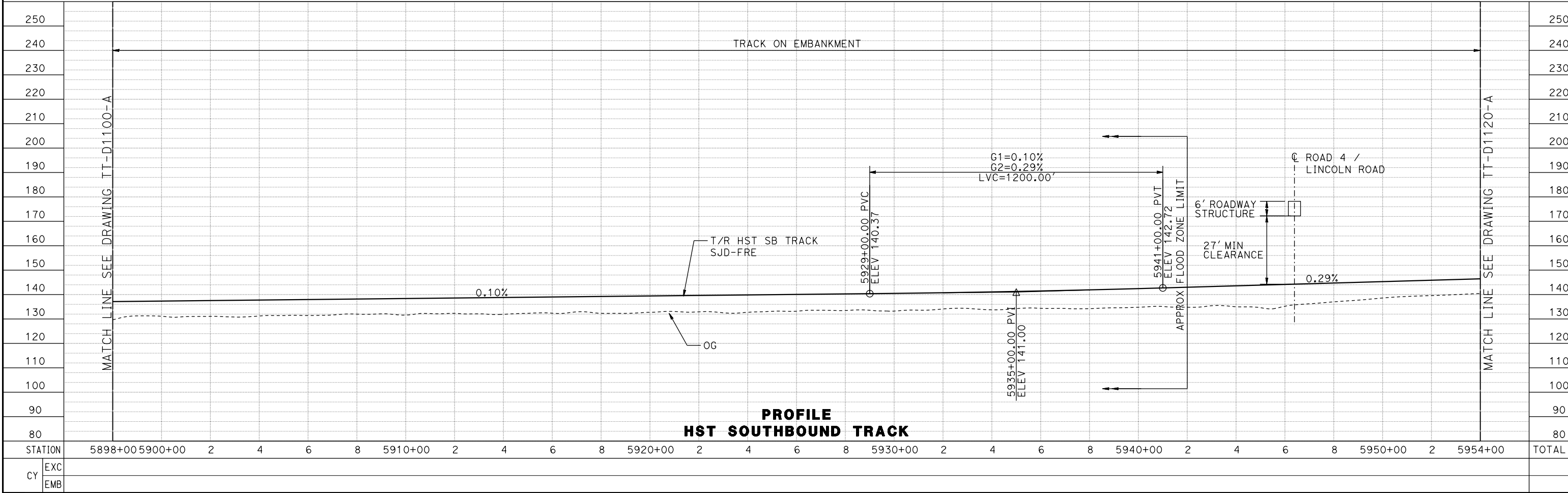
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

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

MADERA COUNTY



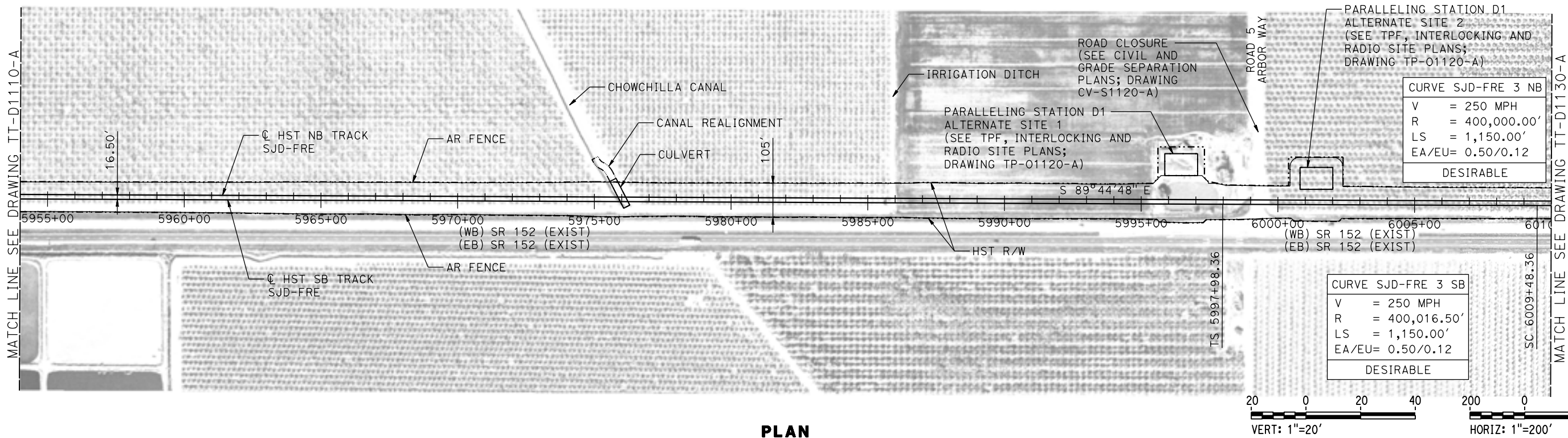
PLAN



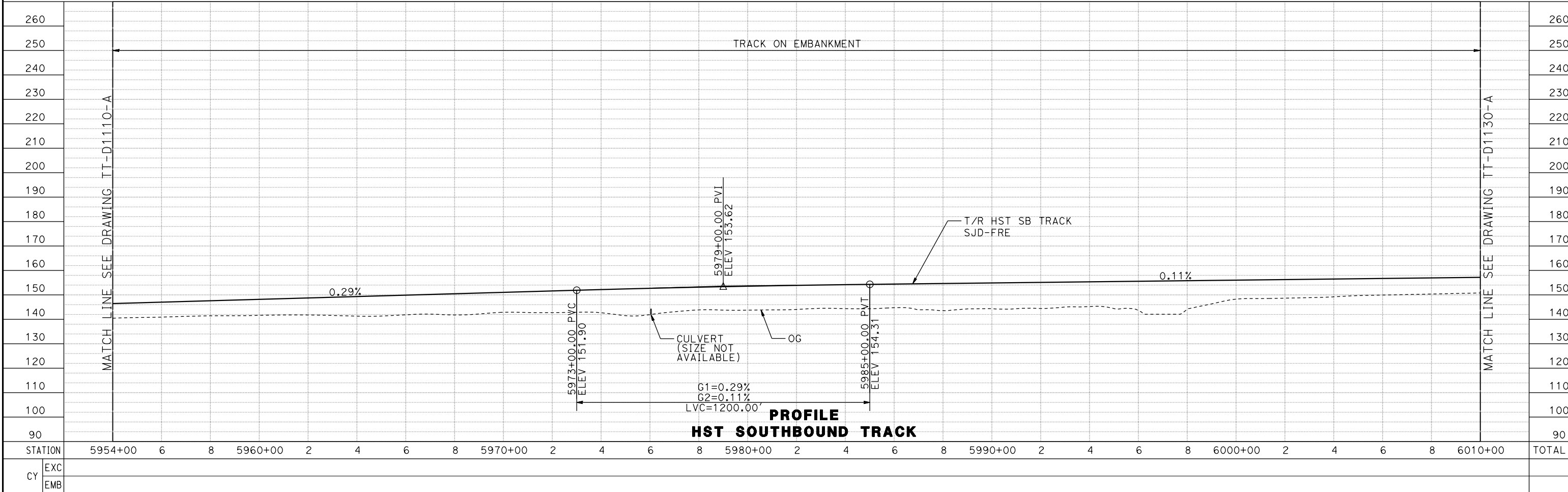
PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1110-A.dgn 07-MAR-2016 16:41:18 p0042226						<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>E. CASTELI</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	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 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5898+00 TO 5954+00				<table><tr><td>CONTRACT NO.</td><td>HSR08-05</td></tr><tr><td>DRAWING NO.</td><td>TT-D1110-A</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-D1110-A	SCALE	AS SHOWN	SHEET NO.	
DESIGNED BY	D. OLIVETI																																								
DRAWN BY	M. TACTAY																																								
CHECKED BY	E. CASTELI																																								
IN CHARGE	C. LEMLEY																																								
DATE	03/18/2016																																								
CONTRACT NO.	HSR08-05																																								
DRAWING NO.	TT-D1110-A																																								
SCALE	AS SHOWN																																								
SHEET NO.																																									
REV	DATE	BY	CHK	APP	DESCRIPTION																																				

MADERA COUNTY



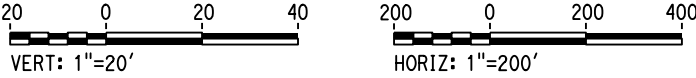
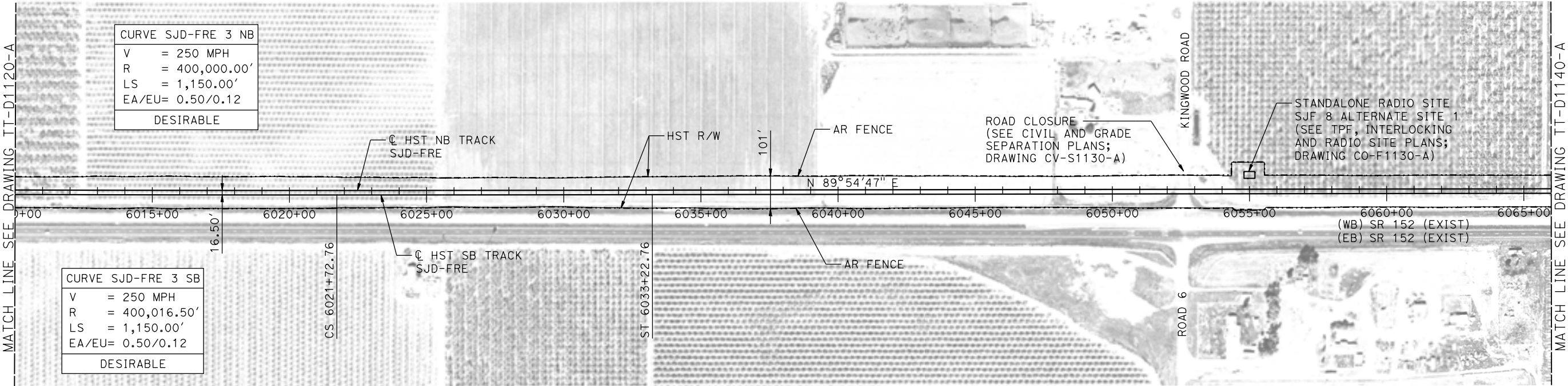
PLAN



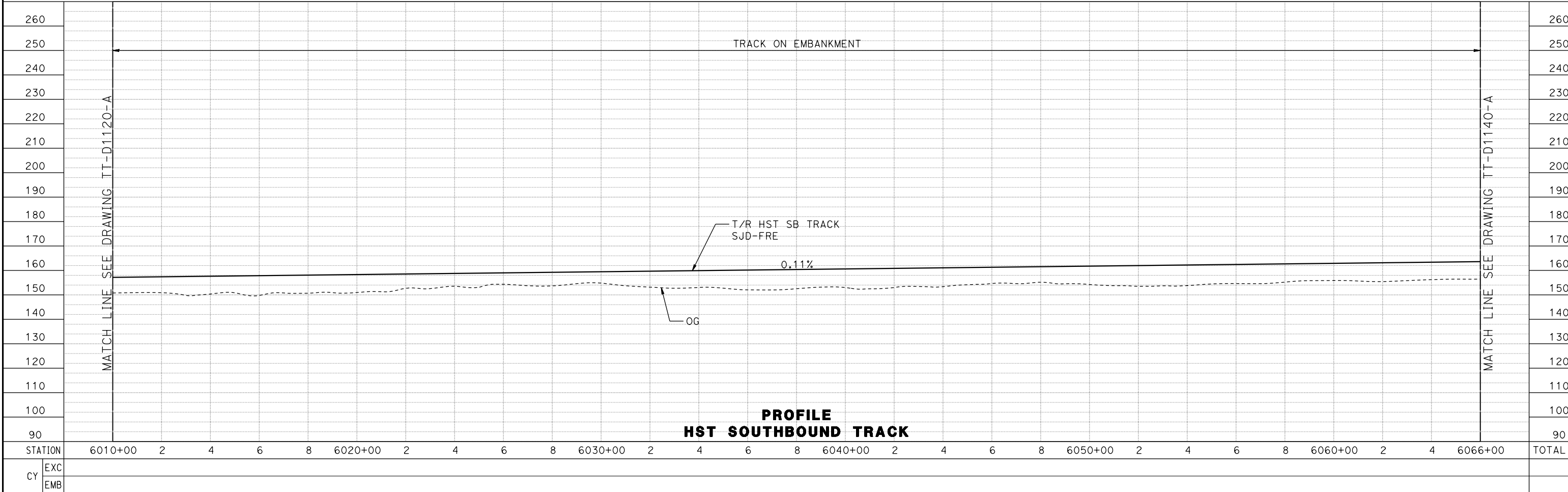
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5954+00 TO 6010+00			CONTRACT NO. HSR08-05 DRAWING NO. TT-D1120-A SCALE AS SHOWN SHEET NO.	
--	--	--	--	--	---	--	--------------------	--	---	--	---	--	--	---	--

MADERA COUNTY



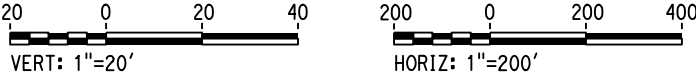
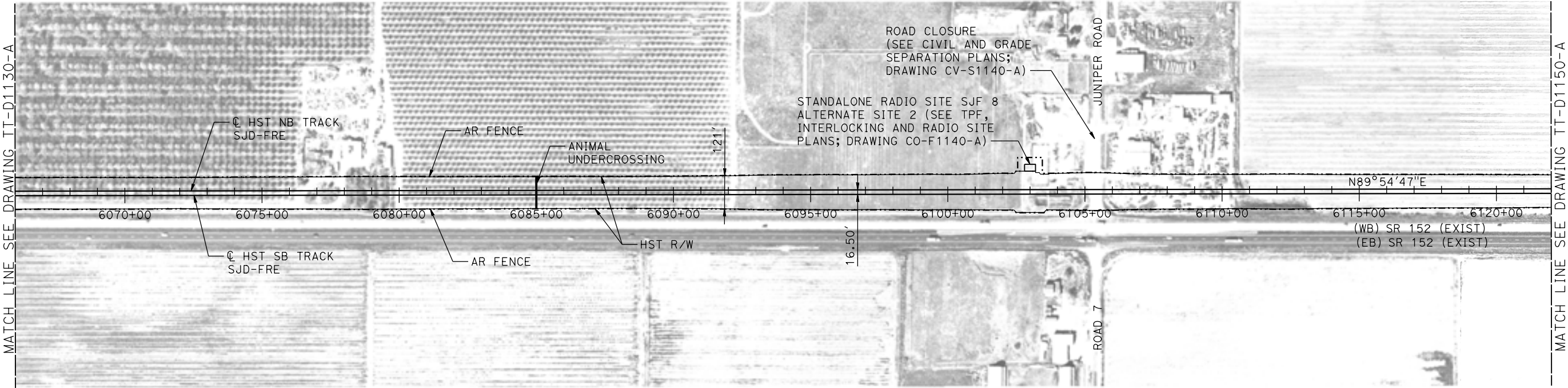
PLAN



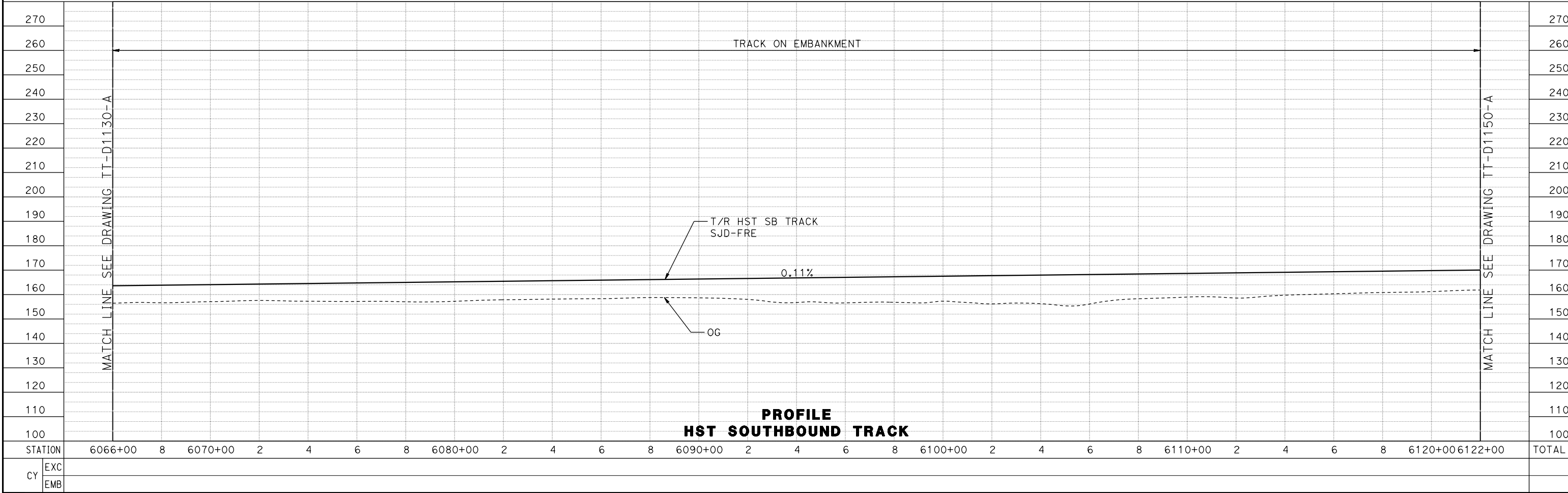
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE 03/18/2016SJD-FRE STA 6010+00 TO 6066+00		CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY						DRAWING NO. TT-D1130-A
						CHECKED BY E. CASTELI						SCALE AS SHOWN
						IN CHARGE C. LEMLEY						SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016						

MADERA COUNTY



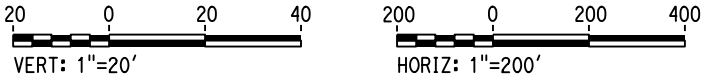
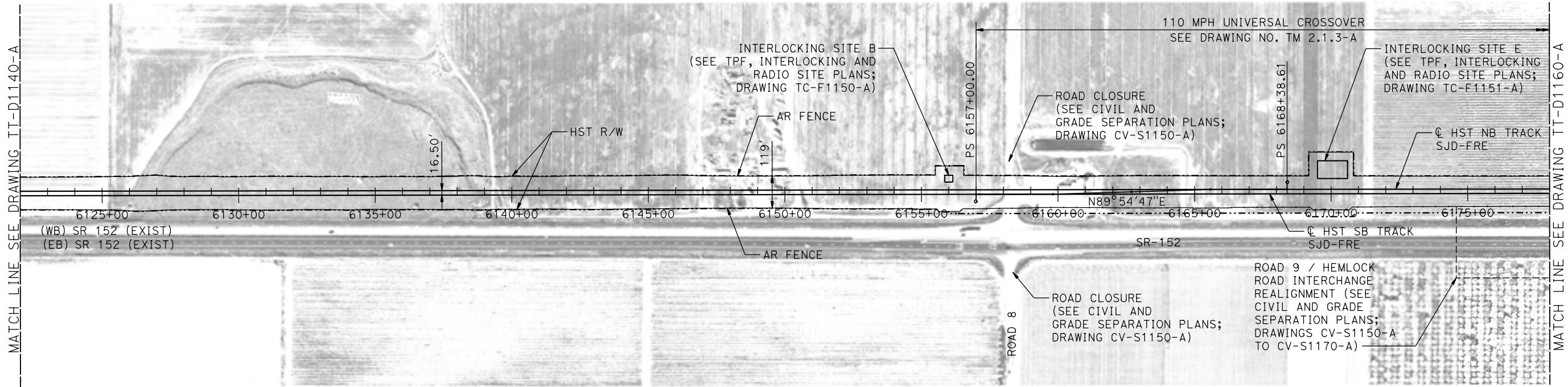
PLAN



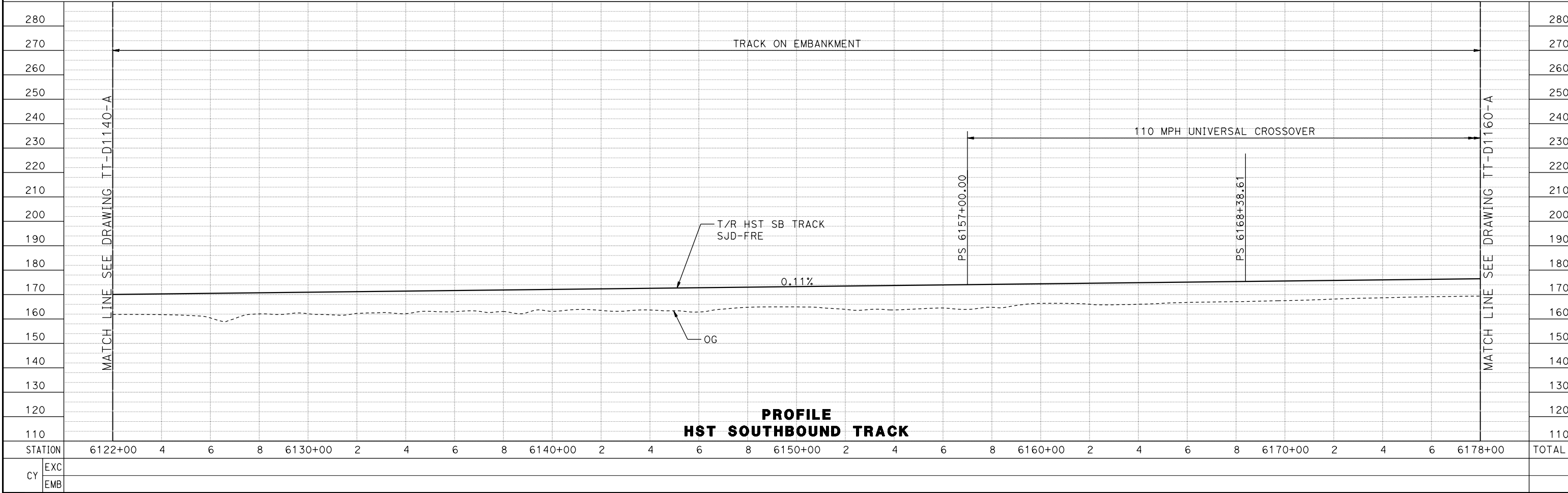
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) 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-A
						CHECKED BY E. CASTELI					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

08-MAR-2016 04:56 MF-TT-D1150-A.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

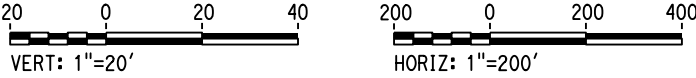
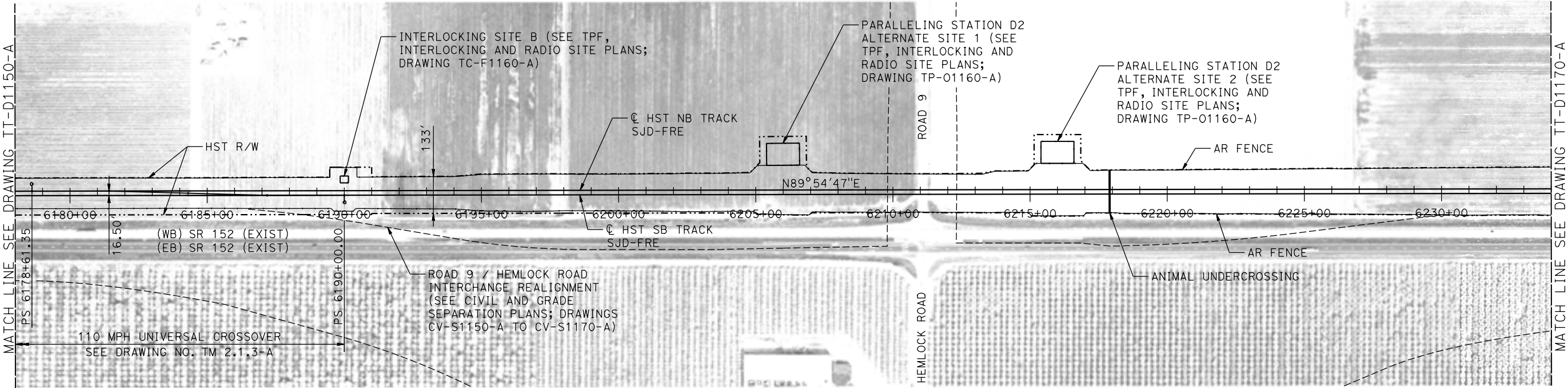
NOT FOR
CONSTRUCTION



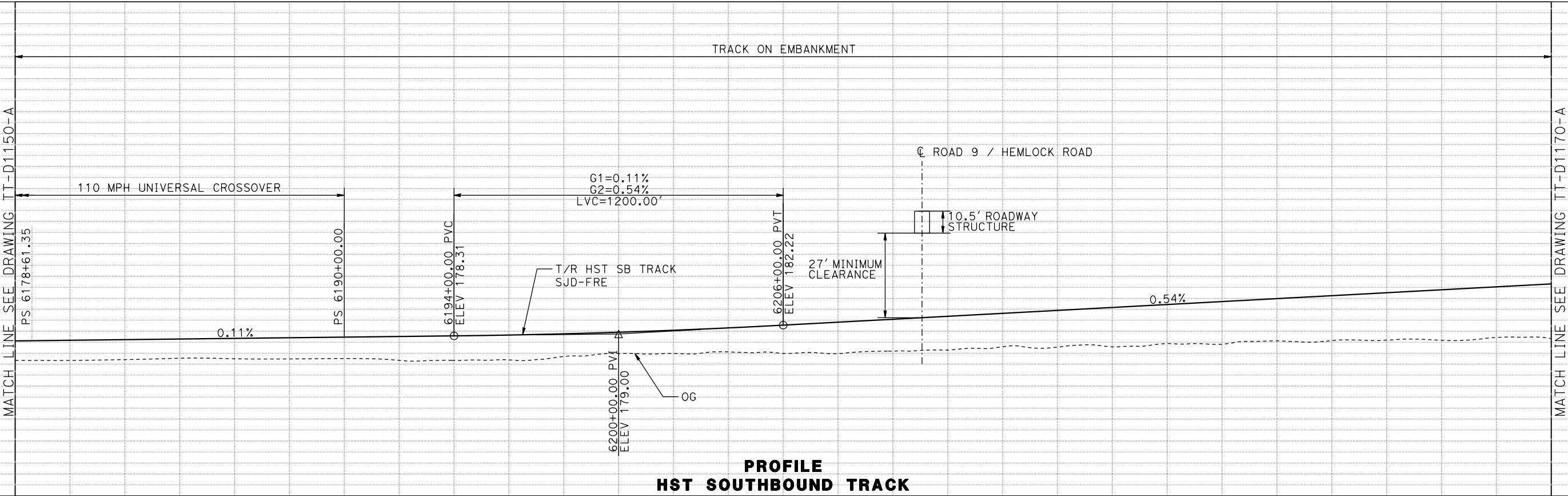
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6122+00 TO 6178+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6178+00	6180+00	2	4	6	8	6190+00	2	4	6	8	6200+00	2	4	6	8	6210+00	2	4	6	8	6220+00	2	4	6	8	6230+00	2	6234+00	TOTAL
---------	---------	---------	---	---	---	---	---------	---	---	---	---	---------	---	---	---	---	---------	---	---	---	---	---------	---	---	---	---	---------	---	---------	-------

CY	EXC	EMB																												
----	-----	-----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

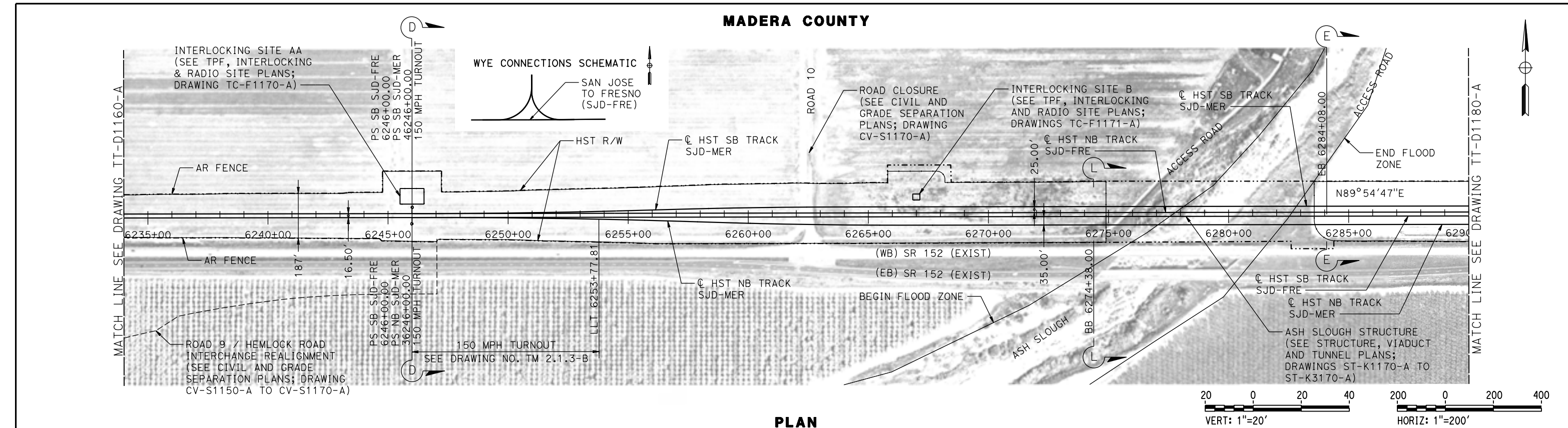
NOT FOR
CONSTRUCTION



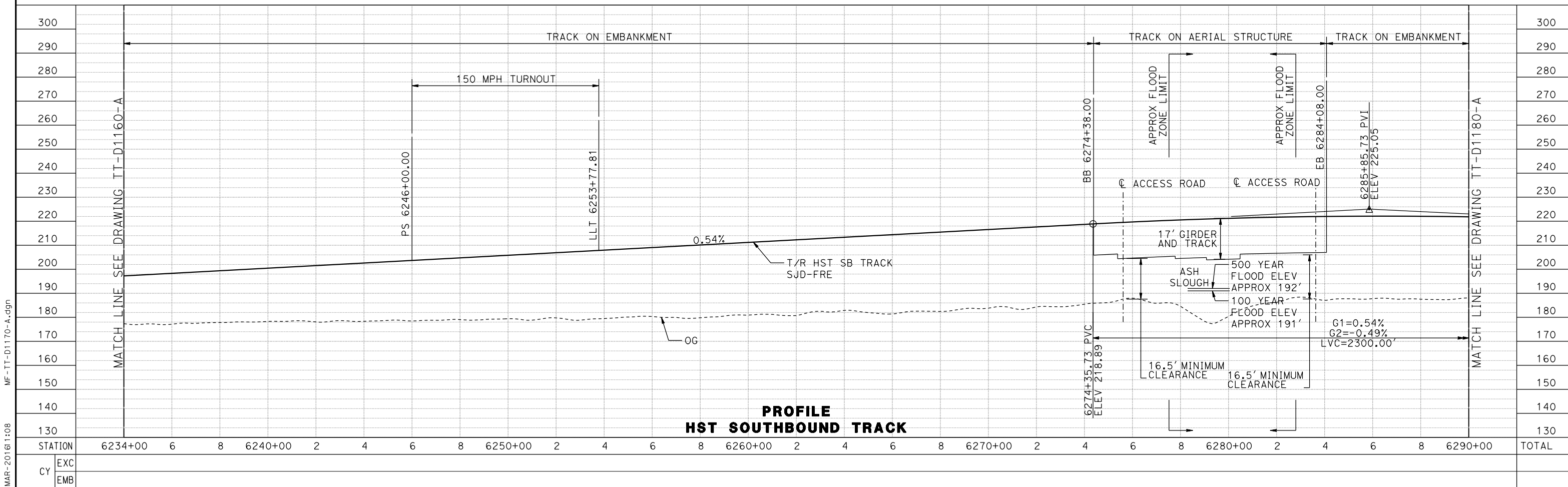
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

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

08-MAR-2016 04:58 MF-TT-D1160-A.dgn



PLAN



PROFILE
HST SOUTHBOUND TRACK

09-MAR-2016 11:08 MF-TT-D1170-A.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

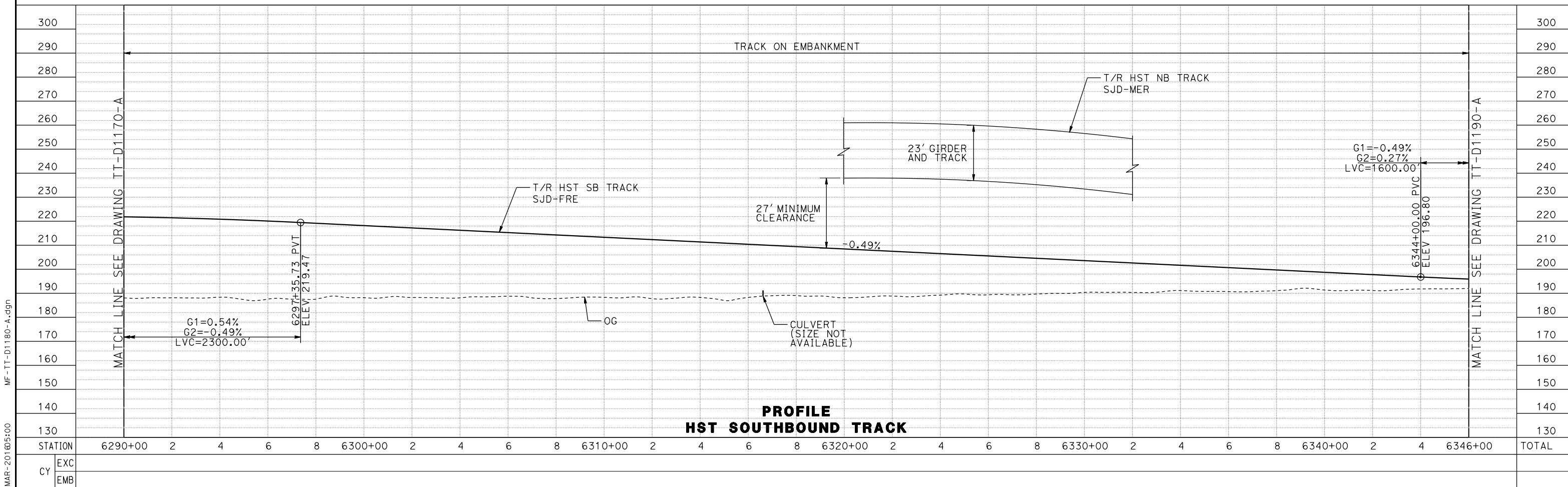
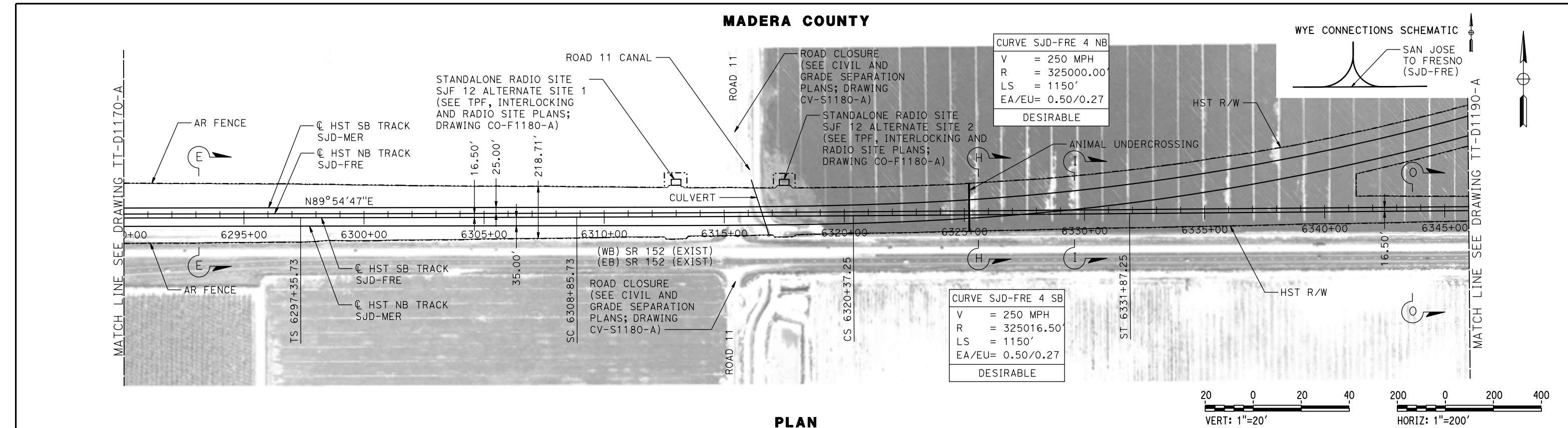
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6234+00 TO 6290+00

CONTRACT NO.
HSR08-05

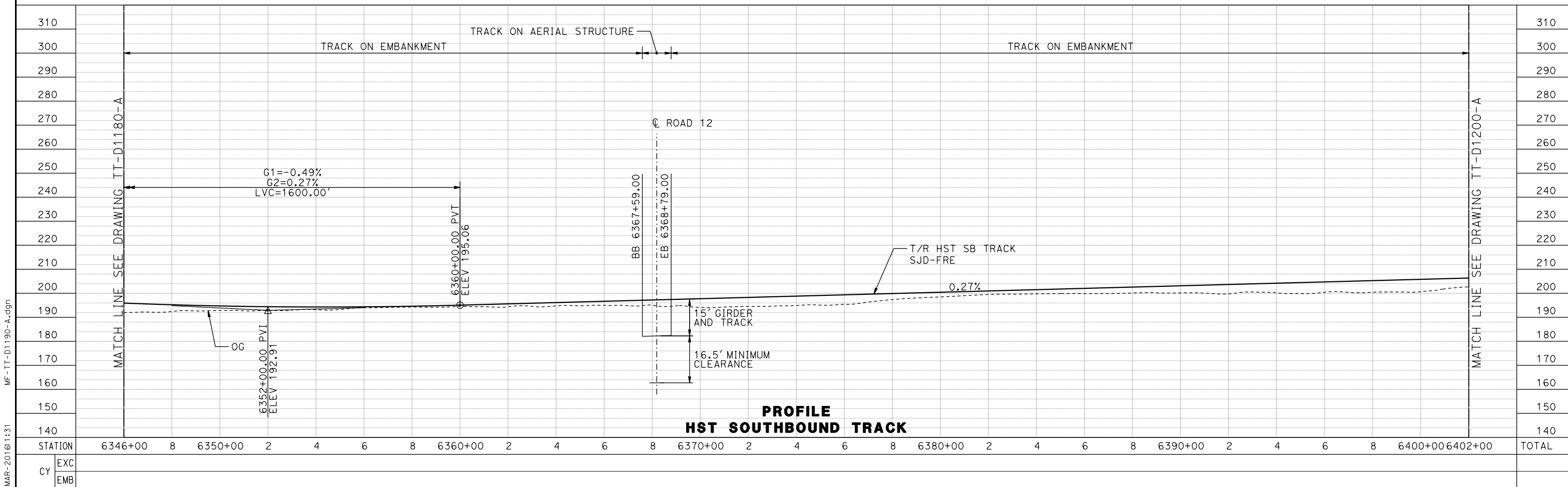
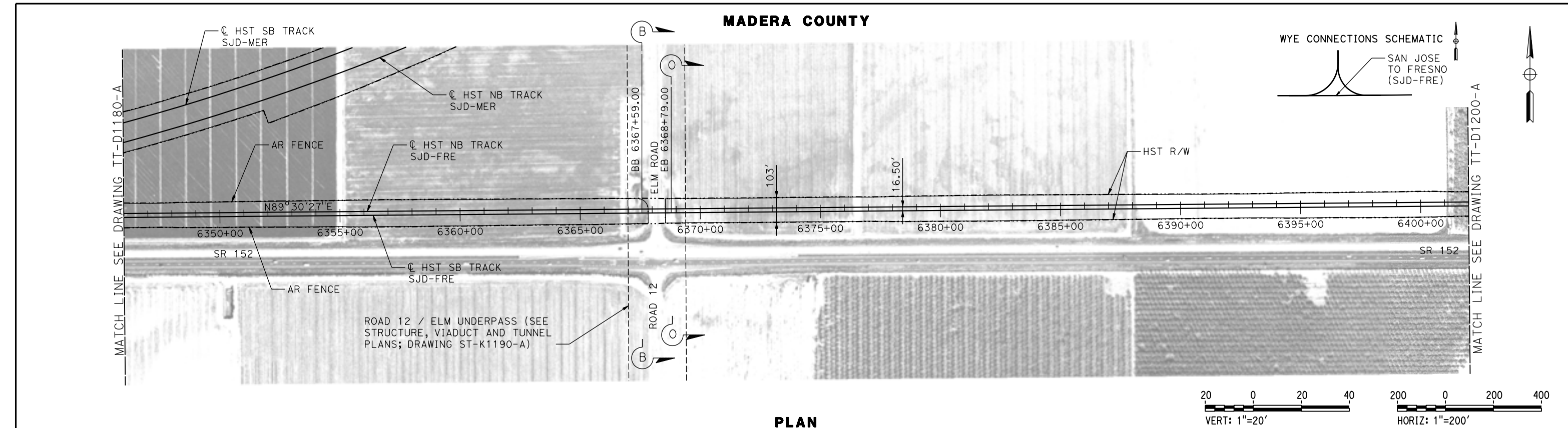
DRAWING NO.
TT-D1170-A

SCALE
AS SHOWN

SHEET NO.



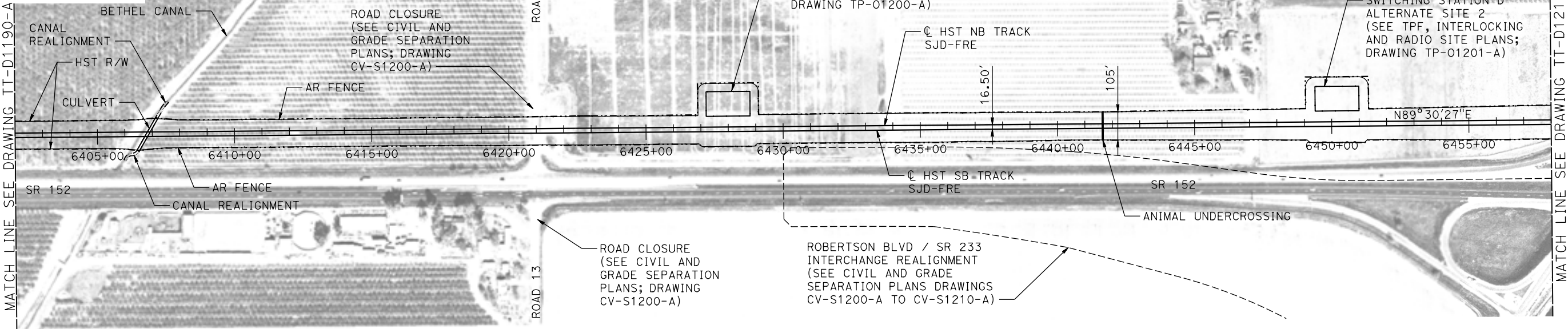
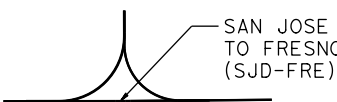
DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL					NOT FOR CONSTRUCTION					CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION					CONTRACT NO. HSR08-05				
DRAWN BY M. TACTAY					CHECKED BY E. CASTELI					IN CHARGE C. LEMLEY					CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6290+00 TO 6346+00					DRAWING NO. TT-D1180-A				
DATE 03/18/2016					SCALE AS SHOWN					SHEET NO.														
REV	DATE	BY	CHK	APP	DESCRIPTION																			



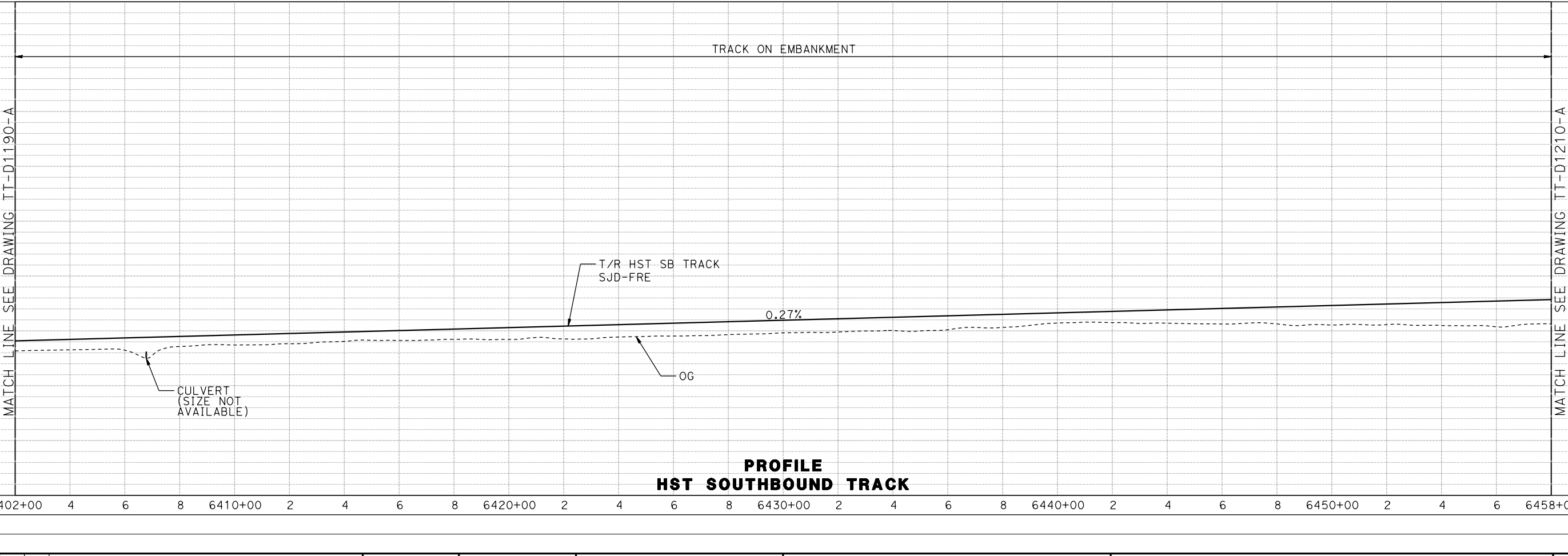
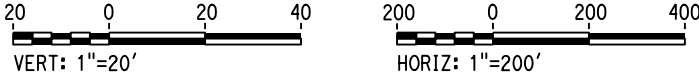
DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6346+00 TO 6402+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. TT-D1190-A
CHECKED BY E. CASTELI						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1200-A.dgn
08-MAR-2016 10:51:02
p0042226

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

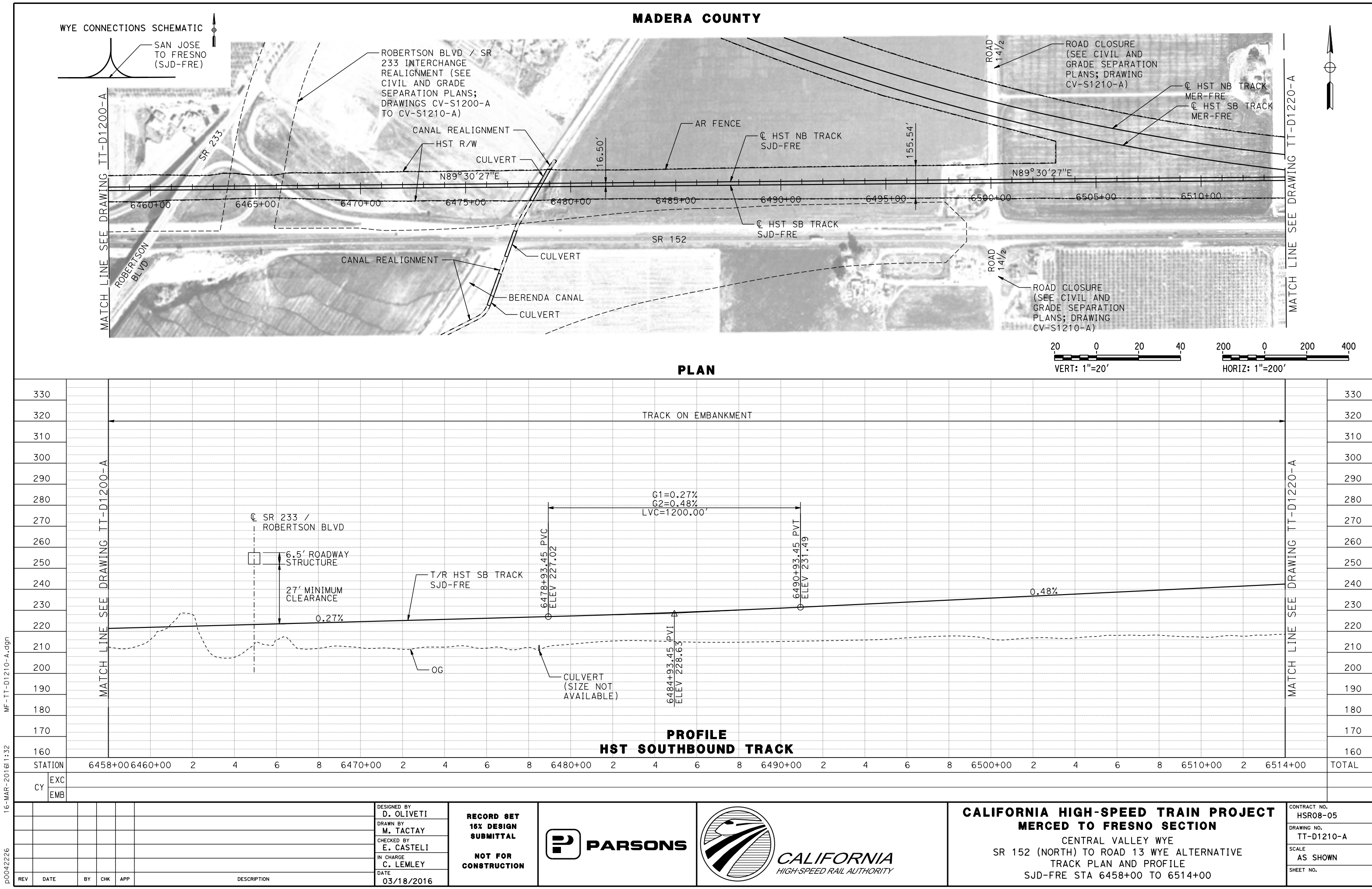
NOT FOR
CONSTRUCTION

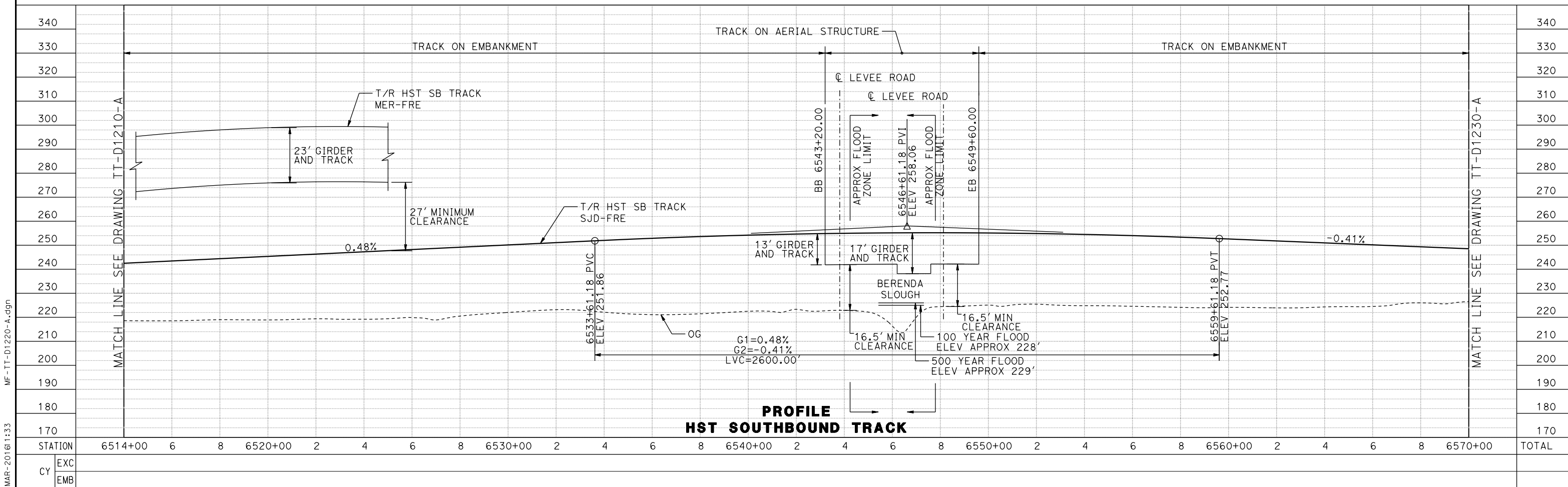
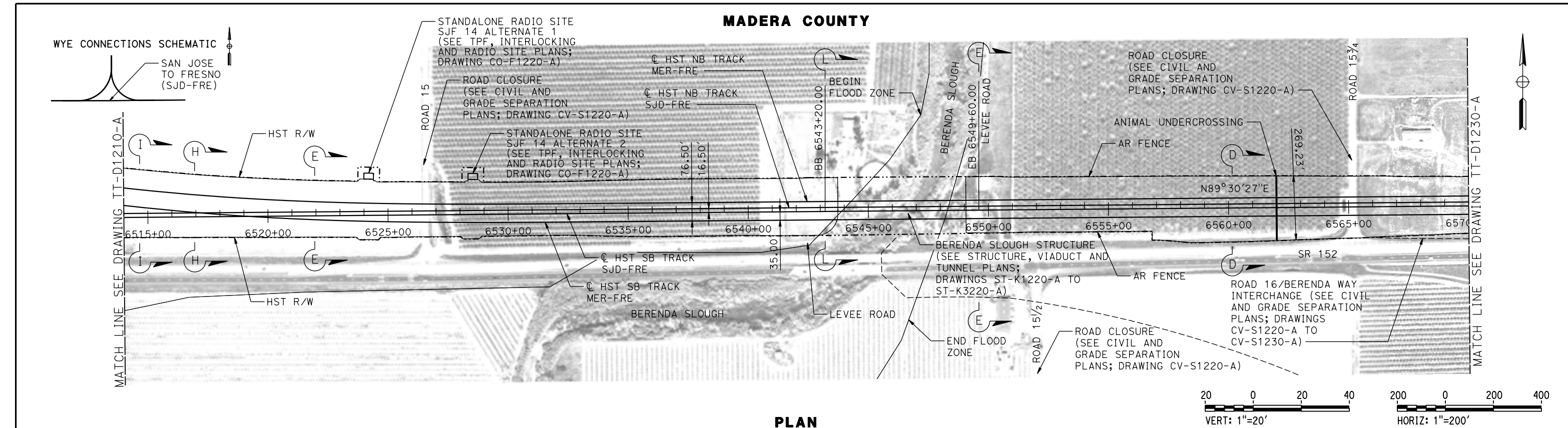


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) 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-A
SCALE AS SHOWN
SHEET NO.





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													CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6514+00 TO 6570+00		DRAWING NO. TT-D1220-A	
CHECKED BY E. CASTELI															SCALE AS SHOWN	
IN CHARGE C. LEMLEY															SHEET NO.	
DATE 03/18/2016																
REV	DATE	BY	CHK	APP	DESCRIPTION											

11-MAR-2016 11:16 MF-TT-D1230-A.dgn

p0042226

MADERA COUNTY

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

ROAD 16 / BERENDA WAY
INTERCHANGE (SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWINGS CV-S1220-A TO
CV-S1230-A)

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

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

ROAD 16 / BERENDA WAY
INTERCHANGE (SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWINGS CV-S1220-A TO
CV-S1230-A)

WYE CONNECTIONS SCHEMATIC

SAN JOSE
TO FRESNO
(SJD-FRE)

CURVE SJD-FRE 5 NB	
V	= 250 MPH
R	= 60000.00'
LS	= 1150'
EA/EU	= 2.75/1.42
DESIRABLE	

CURVE SJD-FRE 5 SB	
V	= 250 MPH
R	= 60016.50'
LS	= 1150'
EA/EU	= 2.75/1.42
DESIRABLE	

PLAN

HORIZ: 1"=200'

PROFILE
HST SOUTHBOUND TRACK

VERT: 1"=20'

STATION	6570+00	2	4	6	8	6580+00	2	4	6	8	6590+00	2	4	6	8	6600+00	2	4	6	8	6610+00	2	4	6	8	6620+00	2	4	6626+00	TOTAL
EXC																														
EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

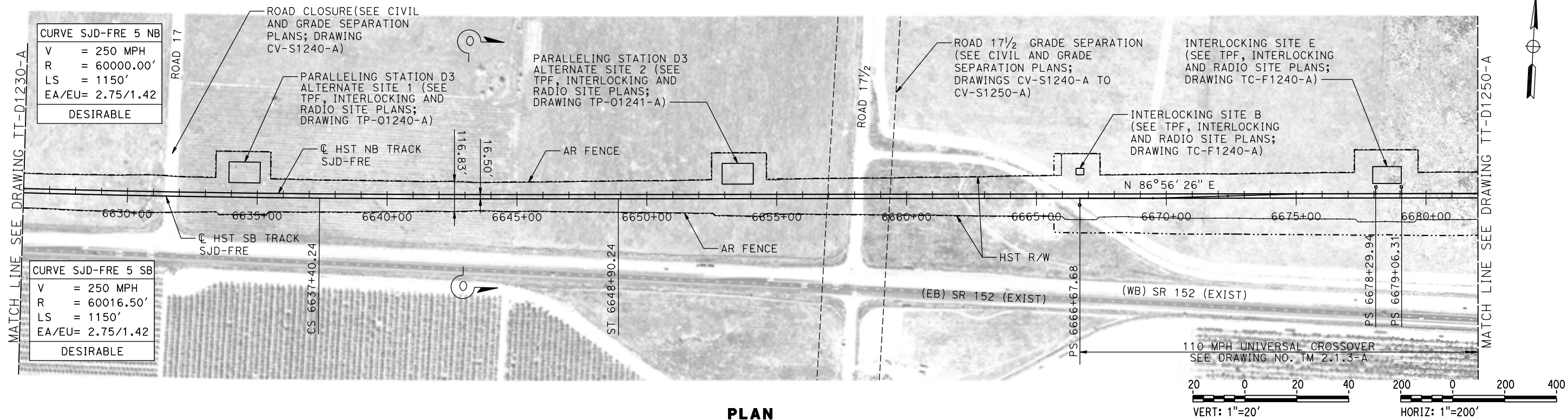
NOT FOR
CONSTRUCTION



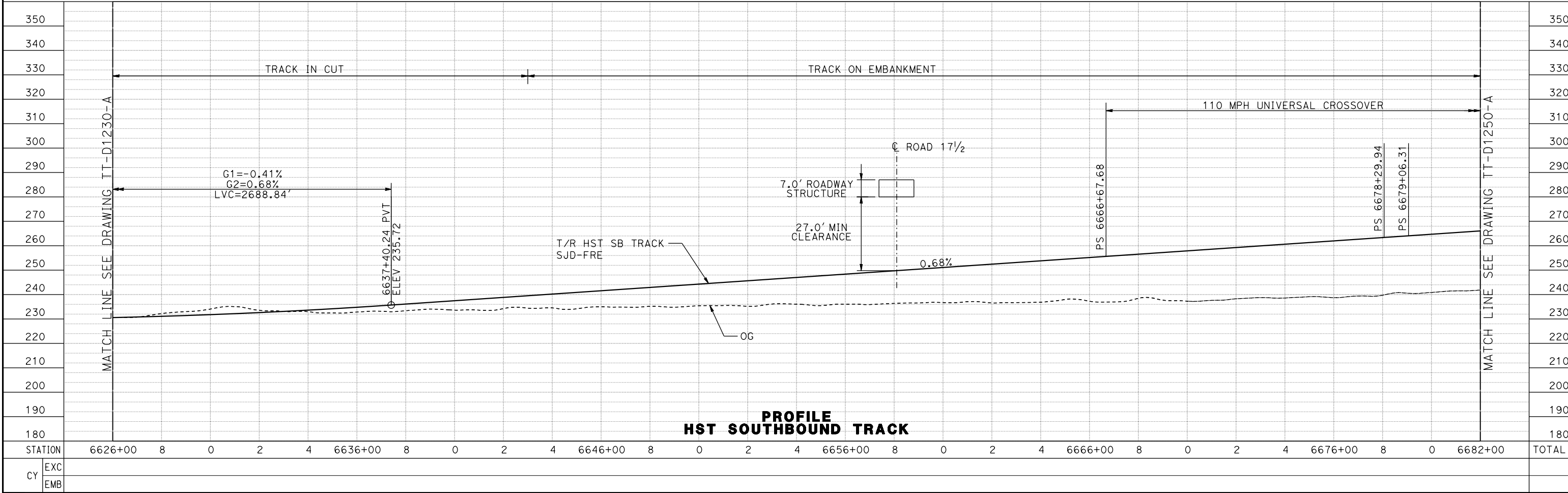
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

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

MADERA COUNTY



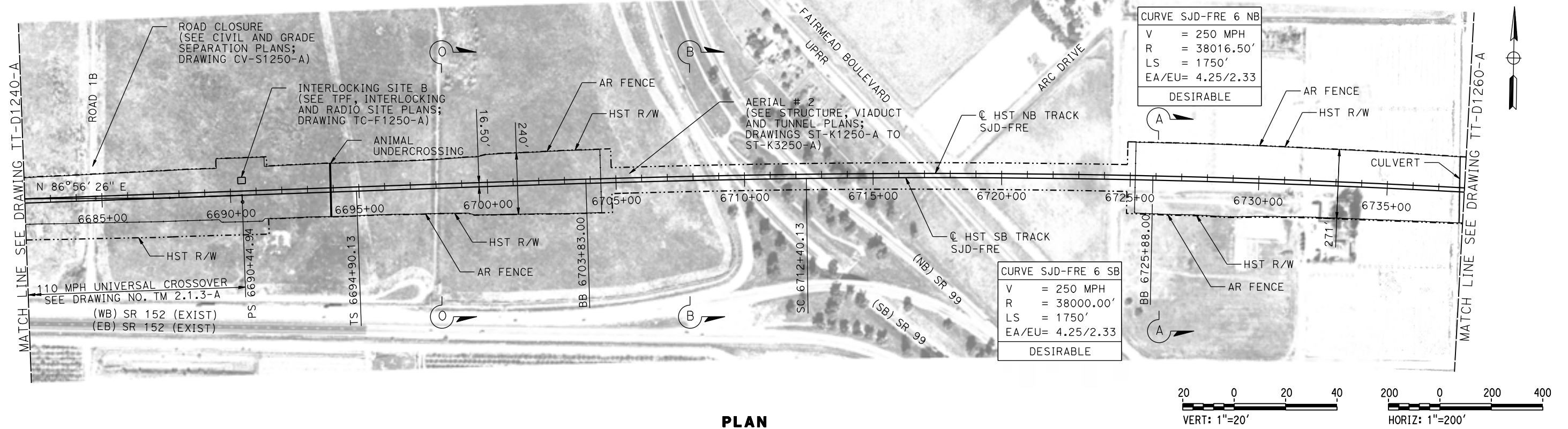
PLAN



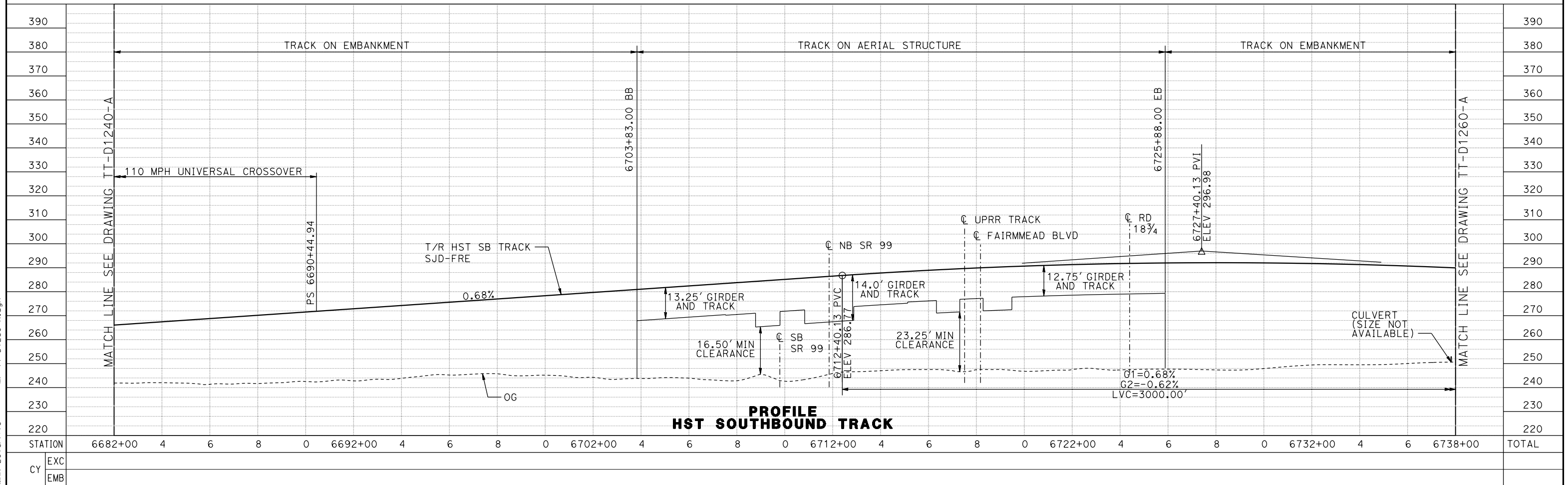
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6626+00 TO 6682+00	CONTRACT NO. HSR08-05
DRAWN BY T. JAMES					DRAWING NO. TT-D1240-A
CHECKED BY N. OUM					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016	NOT FOR CONSTRUCTION				

REV	DATE	BY	CHK	APP	DESCRIPTION

MADERA COUNTY

PLAN



						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6682+00 TO 6738+00	CONTRACT NO. HSR08-05
					DRAWN BY T. JAMES	DRAWING NO. TT-D1250-A					
					CHECKED BY E. CASTELI	SCALE AS SHOWN					
					IN CHARGE C. LEMLEY	SHEET NO.					
					DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION						

FAIRMEAD, MADERA COUNTY

CURVE SJD-FRE 6 NB

V	= 250 MPH
R	= 38016.50'
LS	= 1750'
EA/EU	= 4.25/2.33
DESIRABLE	

CURVE SJD-FRE 6 SB

V	= 250 MPH
R	= 38000.00'
LS	= 1750'
EA/EU	= 4.25/2.33
DESIRABLE	

PLAN

VERT: 1"=20'

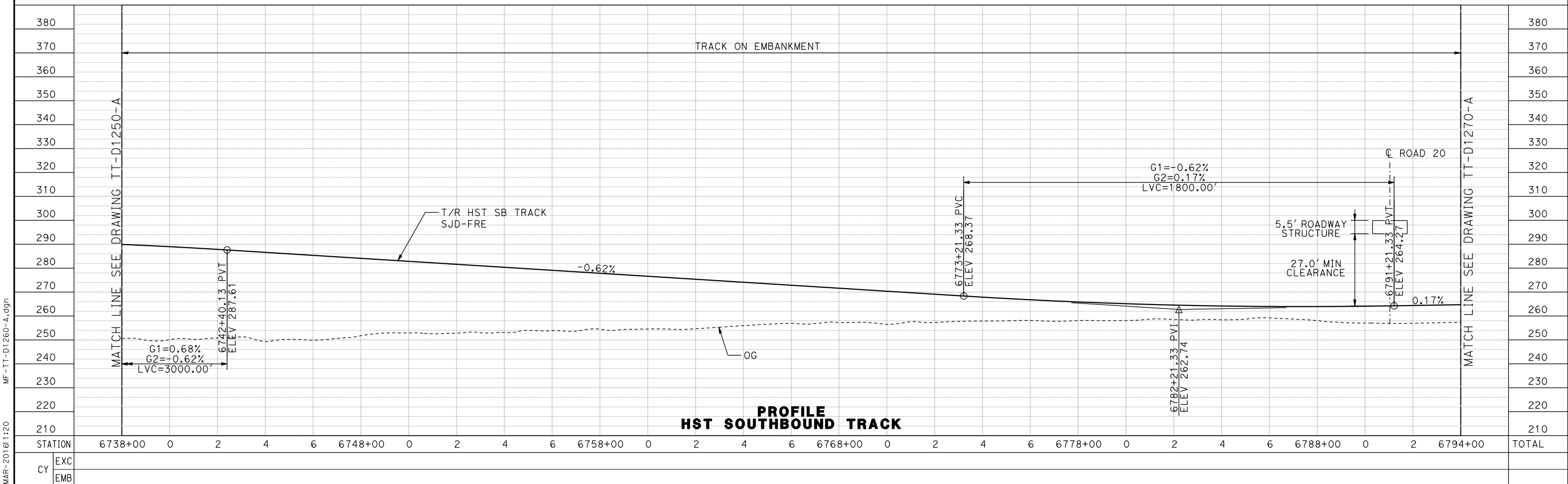
20 0 20 40

HORIZ: 1"=200'

200 0 200 400

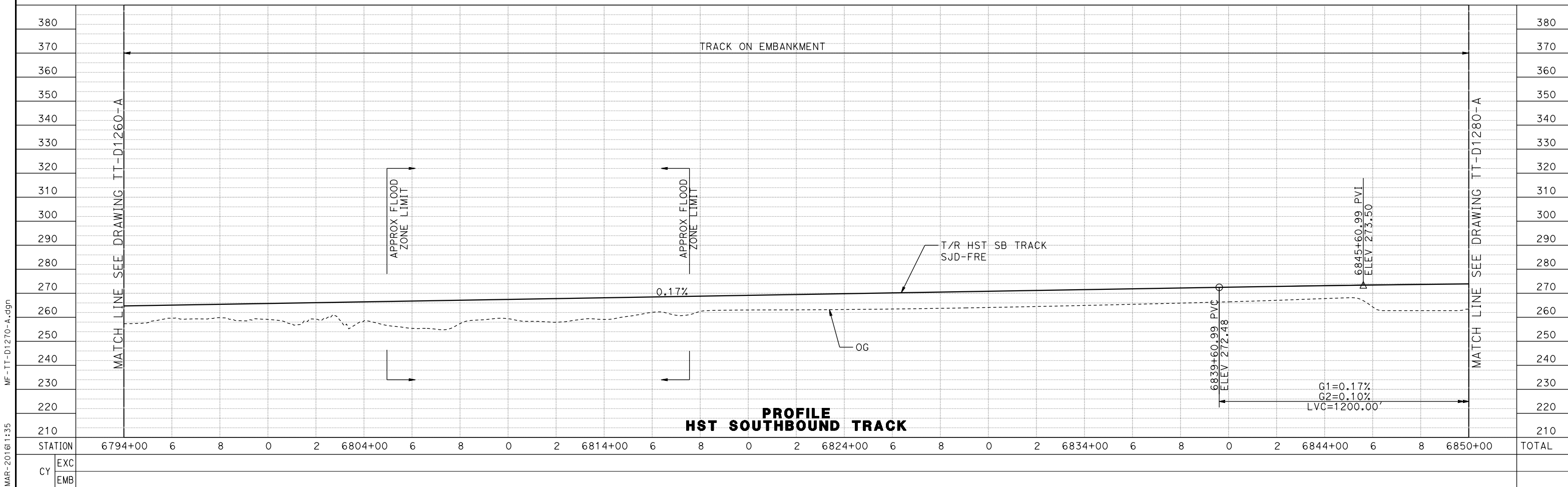
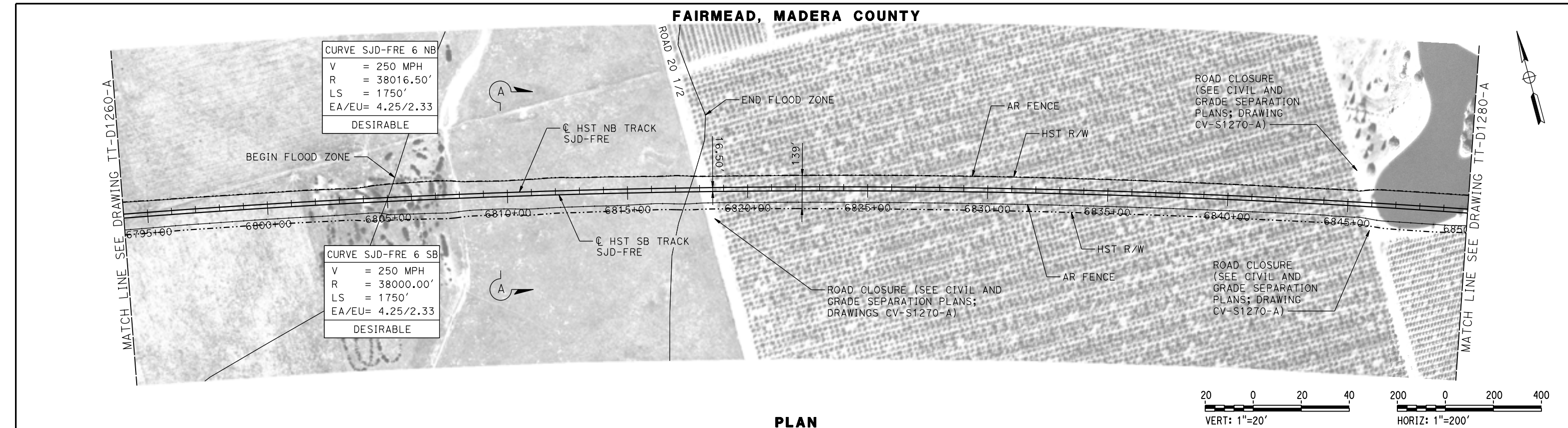
VERT: 1"=20'

HORIZ: 1"=200'

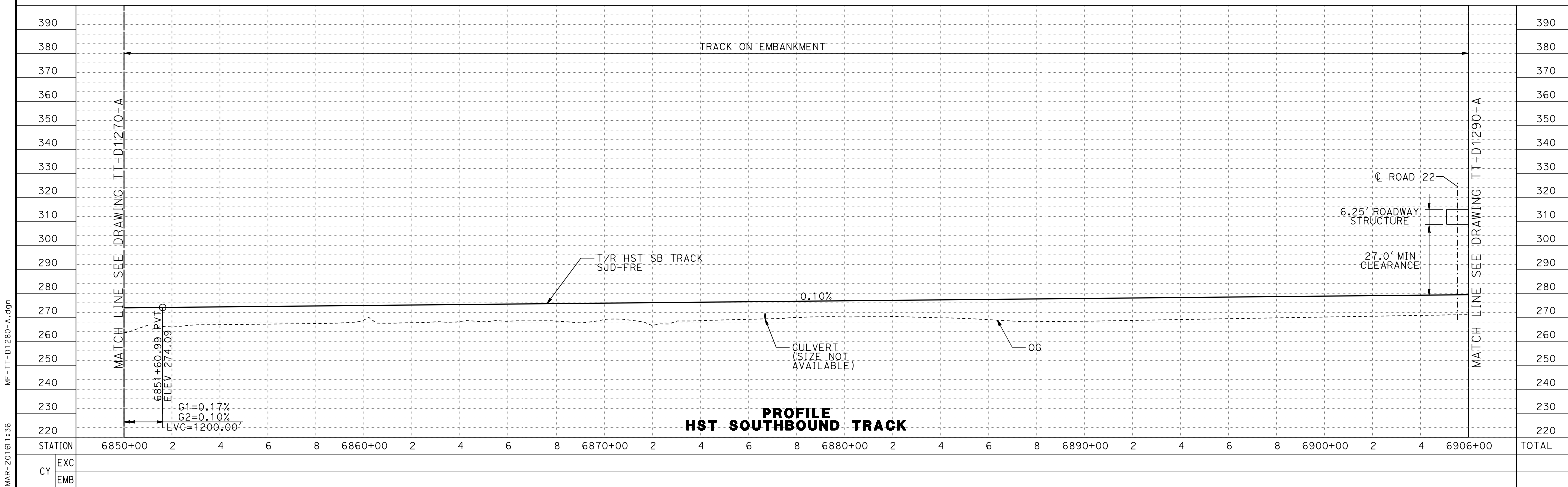
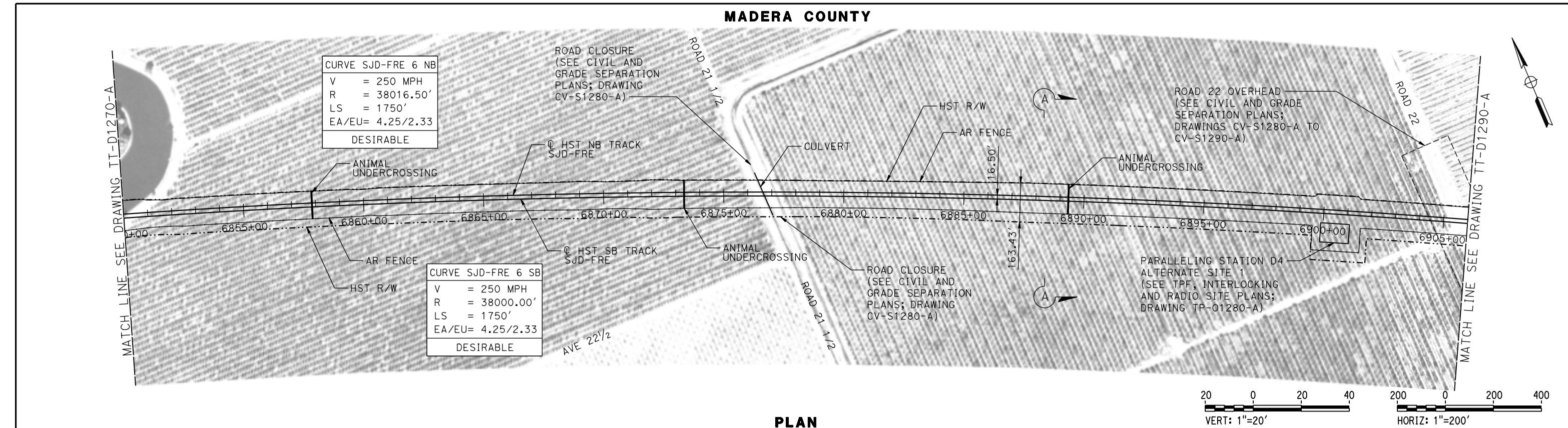


P0042226 11-MAR-2016 11:20 MF-TT-D1260-A.dgn

11							DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6738+00 TO 6794+00	CONTRACT NO. HSR08-05
							DRAWN BY S. WILSON					DRAWING NO. TT-D1260-A
							CHECKED BY N. OUM					SCALE AS SHOWN
							IN CHARGE C. LEMLEY					SHEET NO.
							DATE 03/18/2016					
	REV	DATE	BY	CHK	APP	DESCRIPTION						

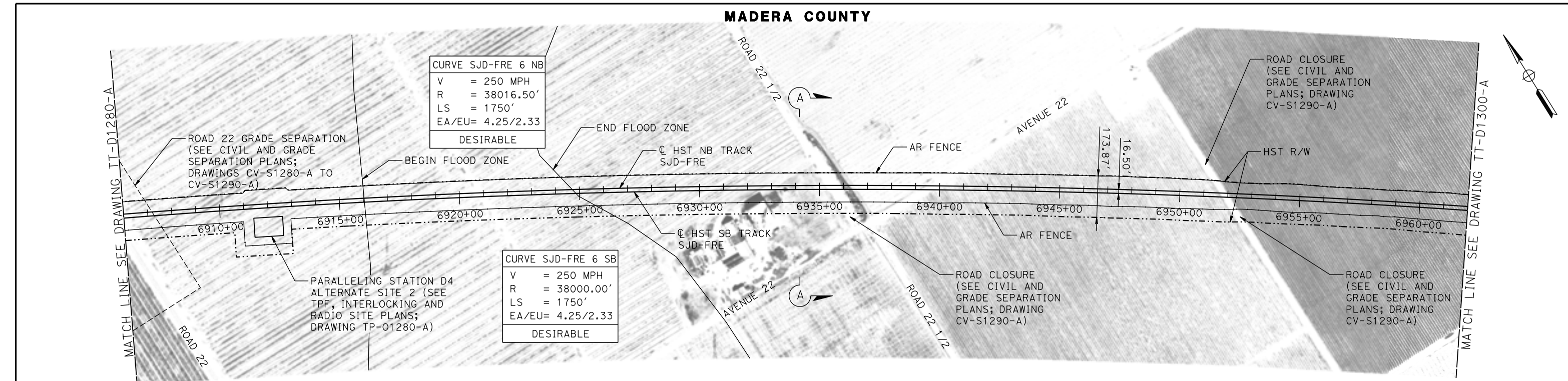


DESIGNED BY D. OLIVETI DRAWN BY T. JAMES CHECKED BY N. OUM IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6794+00 TO 6850+00			CONTRACT NO. HSR08-05 DRAWING NO. TT-D1270-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION								

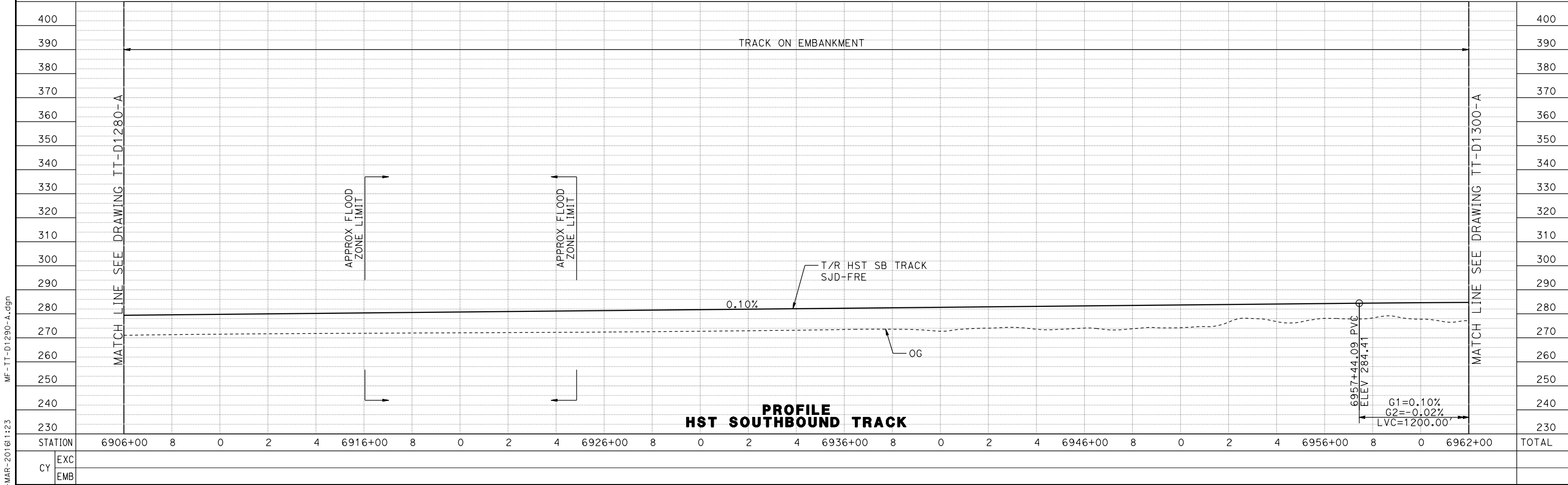
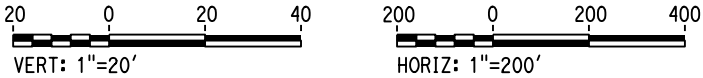


DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6850+00 TO 6906+00	CONTRACT NO. HSR08-05
DRAWN BY T. JAMES									DRAWING NO. TT-D1280-A
CHECKED BY E. CASTELI									SCALE AS SHOWN
IN CHARGE C. LEMLEY									SHEET NO.
DATE 03/18/2016									
REV	DATE	BY	CHK	APP	DESCRIPTION				

MF-TT-D1280-A.dgn
11-MAR-2016 1:36
p0042226



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 1:23 MF-TT-D1290-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY T. JAMES
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

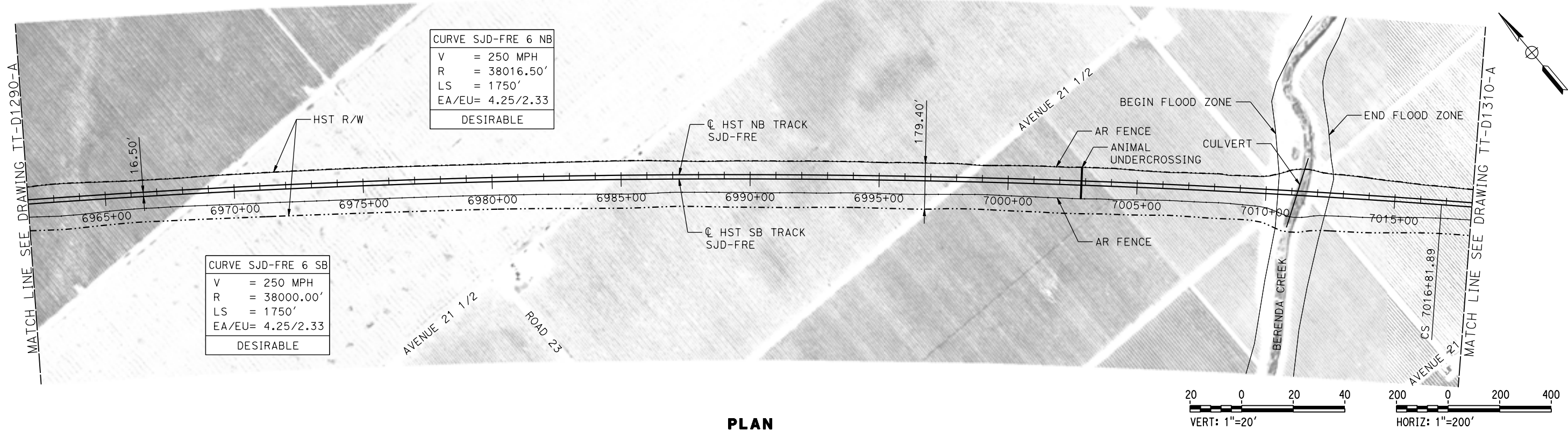
NOT FOR
CONSTRUCTION



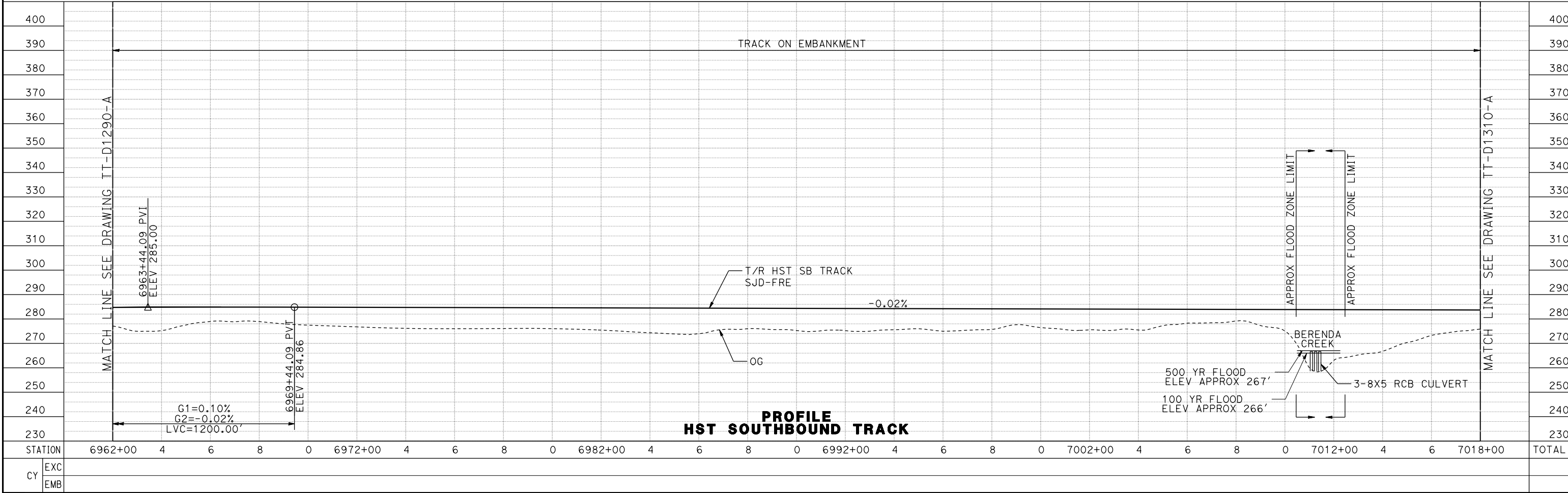
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6906+00 TO 6962+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY
D. OLIVETI
DRAWN BY
T. JAMES
CHECKED BY
E. CASTELI
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

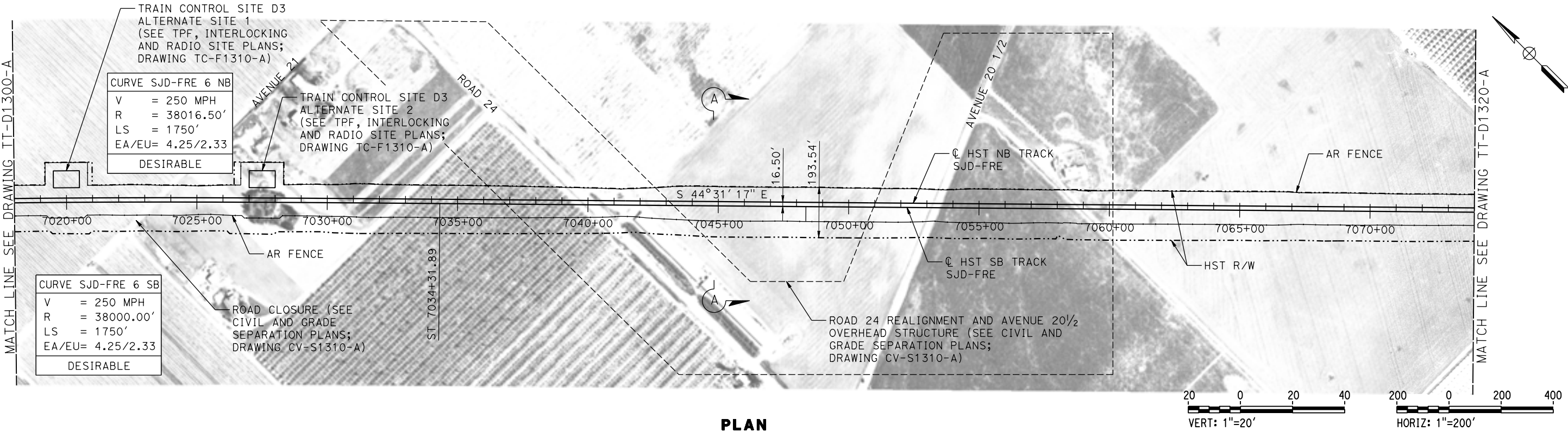
NOT FOR
CONSTRUCTION



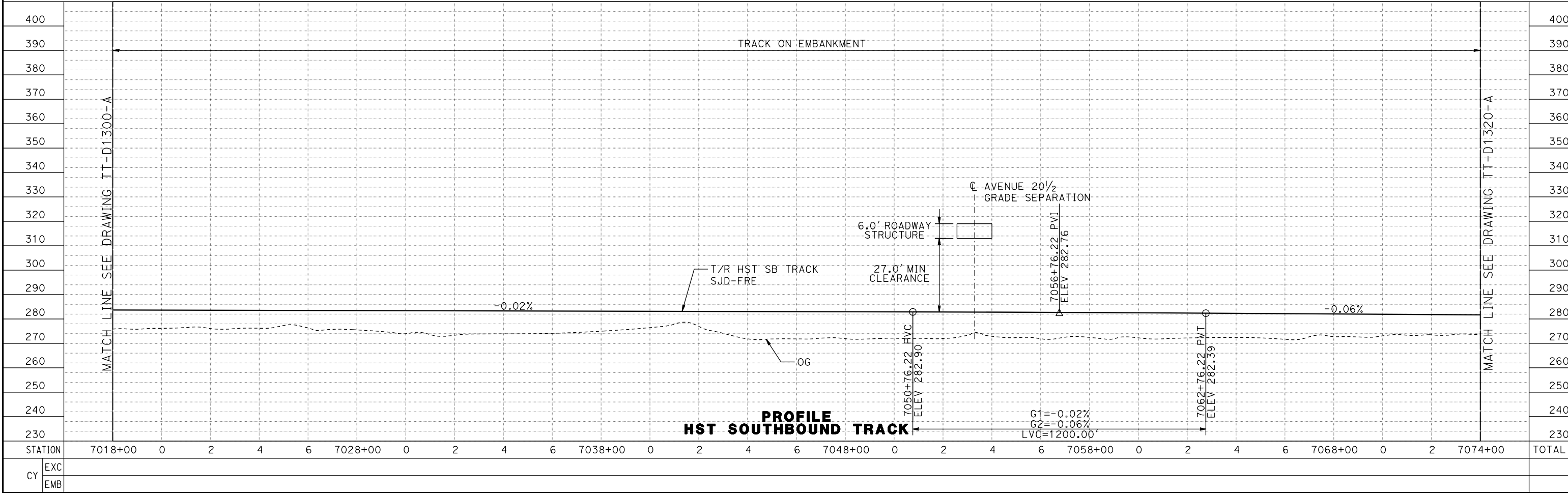
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6962+00 TO 7018+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 11:24 MF-TT-D1310-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY T. JAMES
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

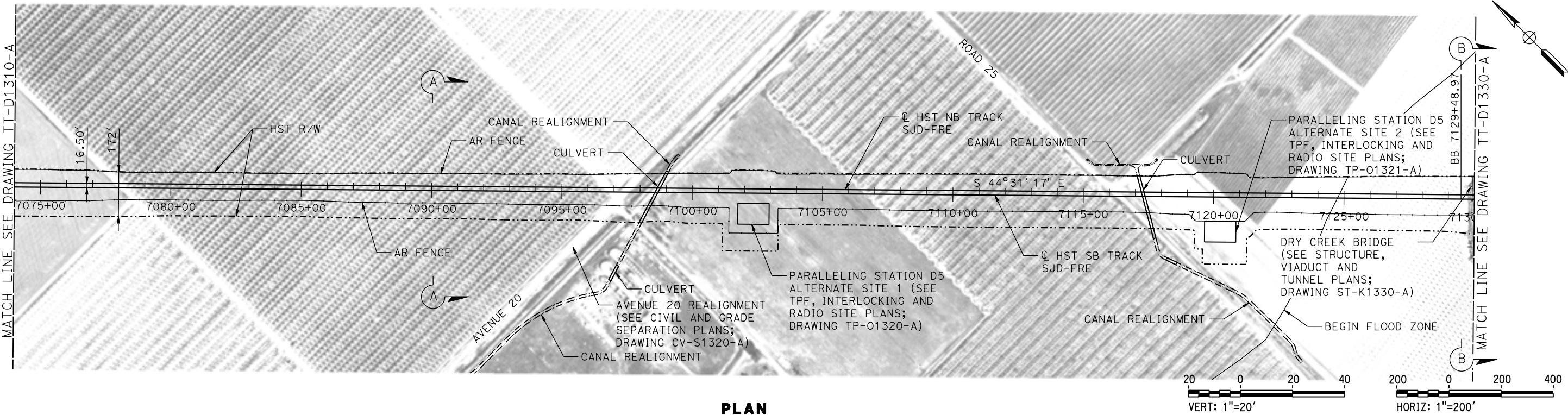


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

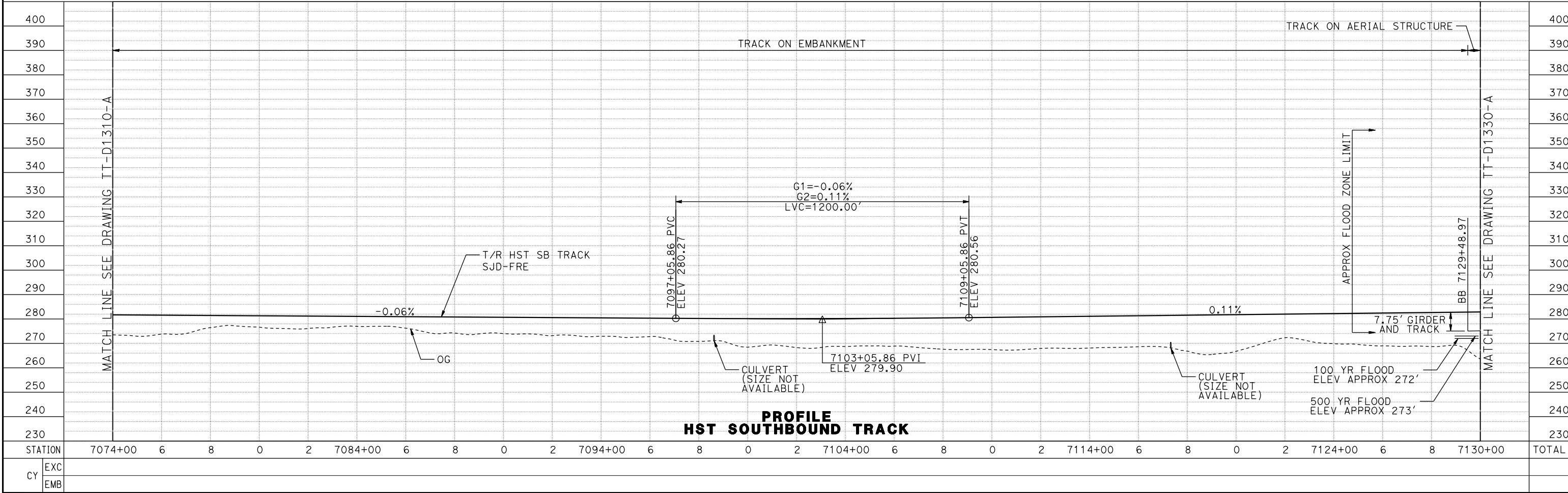
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7018+00 TO 7074+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 6:48 MF-TT-D1320-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

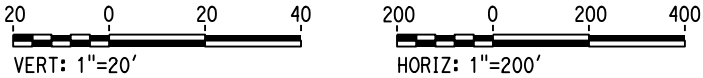
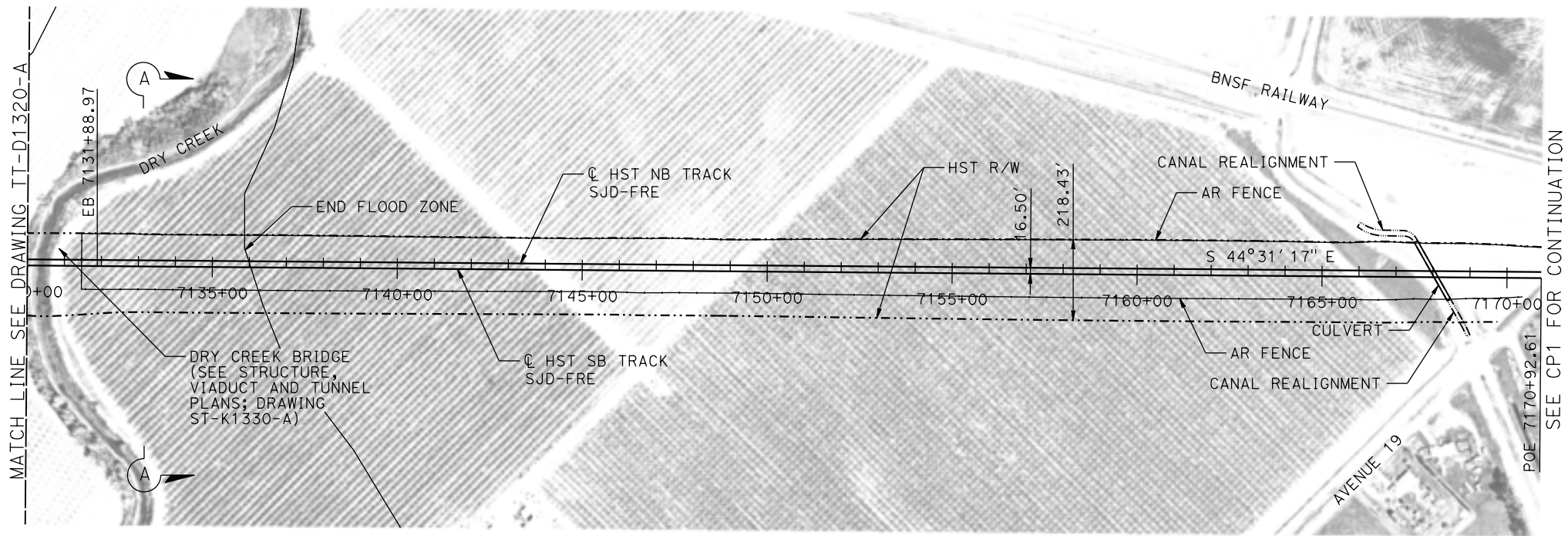
NOT FOR
CONSTRUCTION



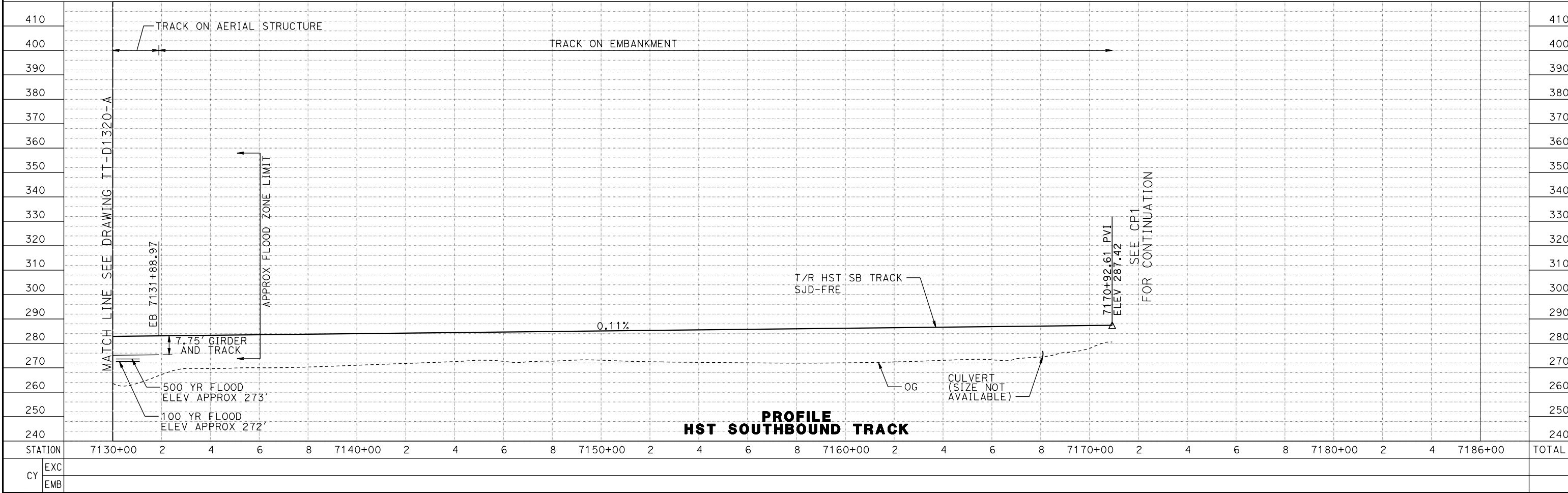
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7074+00 TO 7130+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 11:25 MF-TT-D1330-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



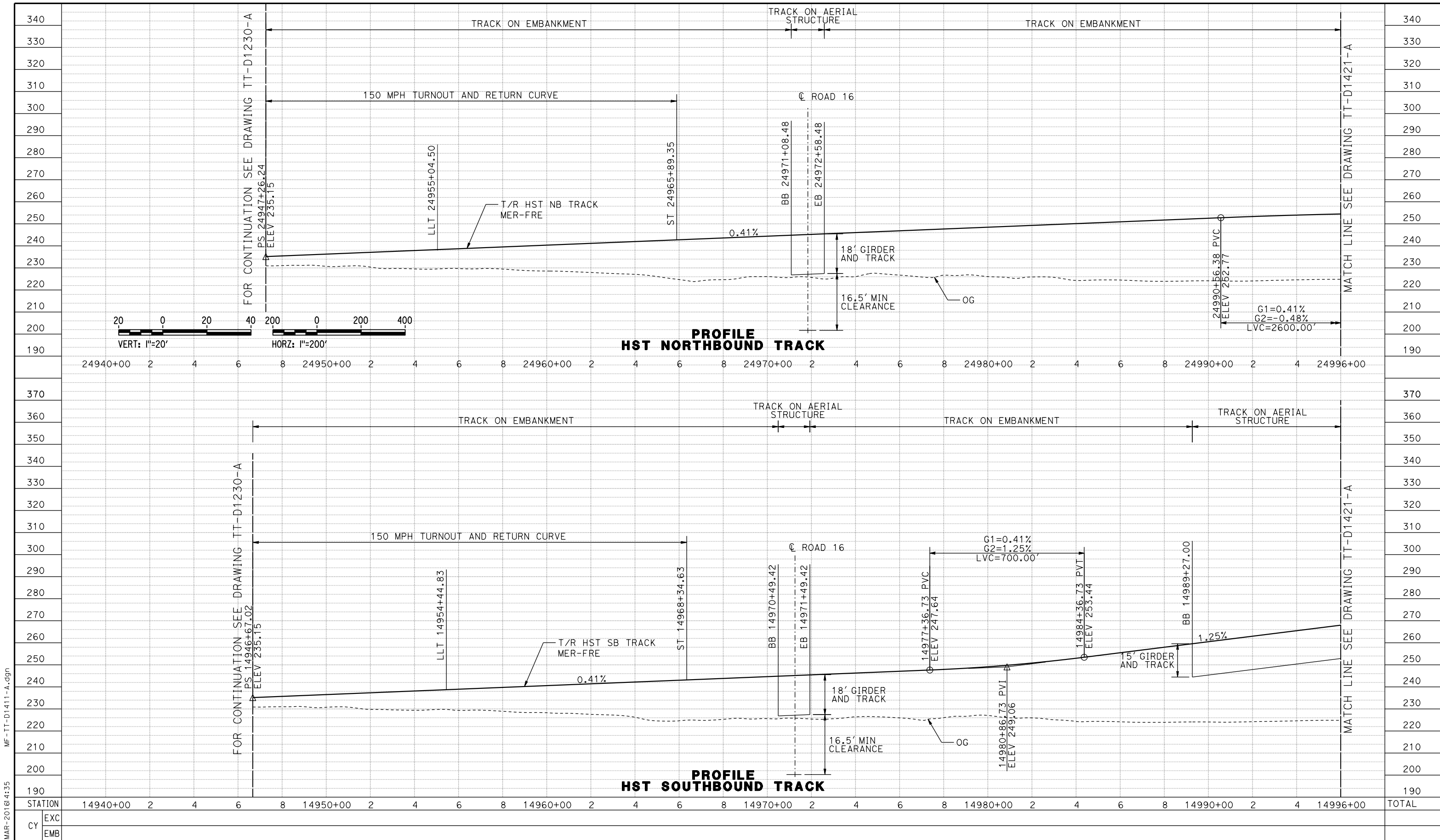
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7130+00 TO 7170+92.61

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

[illegible]

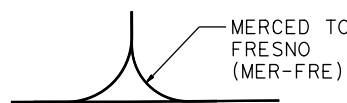
200 0 200 400
1"=200'

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

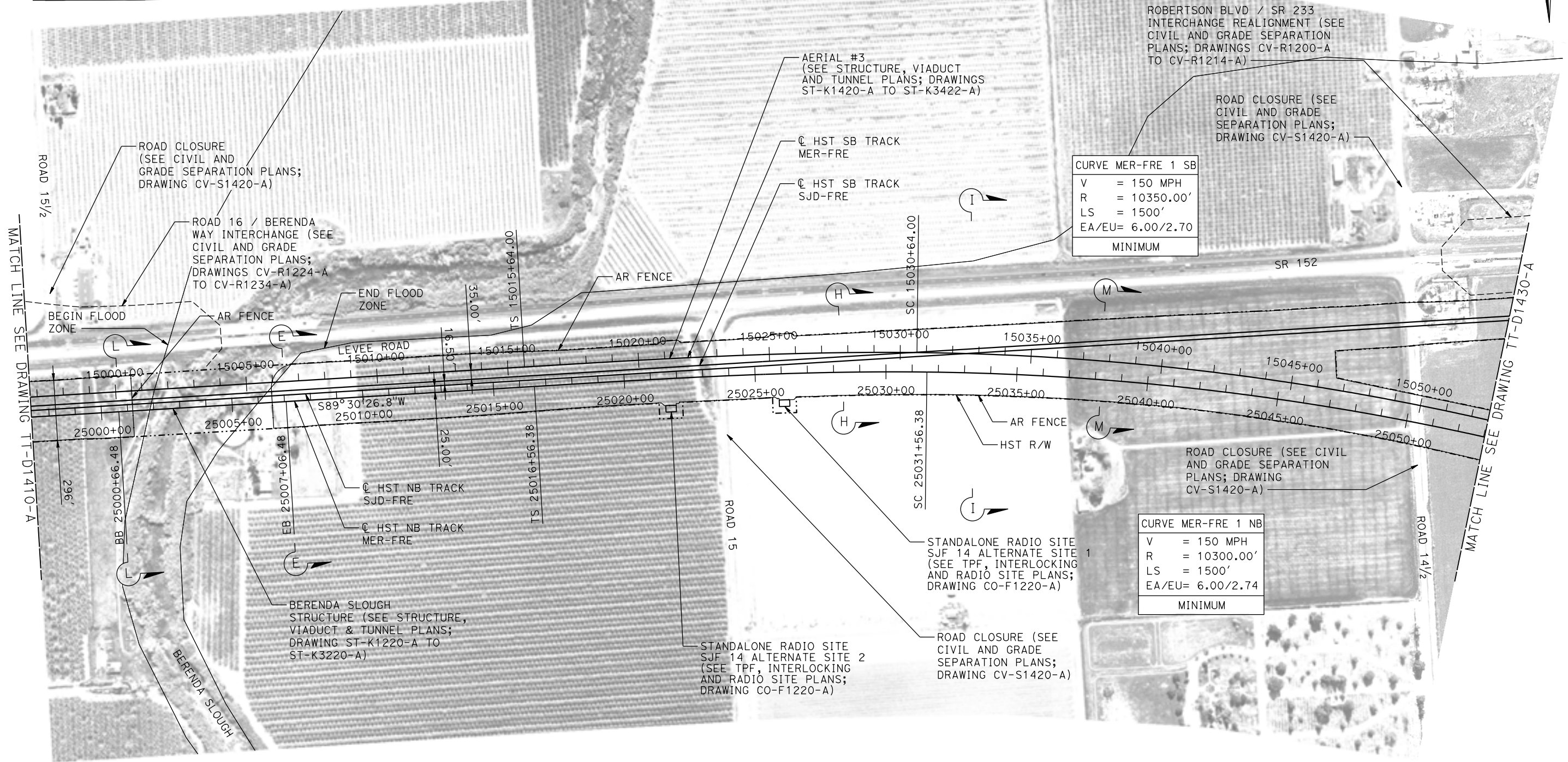


07-MAR-2016 16:41:35 MF-TT-D1411-A.dgn					DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016		RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE MER-FRE STA 14940+00 TO 14996+00				CONTRACT NO. HSR08-05 DRAWING NO. TT-D1411-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION													

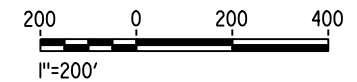
WYE CONNECTIONS SCHEMATIC



MADERA COUNTY



PLAN



MF-TT-D1420-A.dgn

16-MAR-2016 1:35

p0042226

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

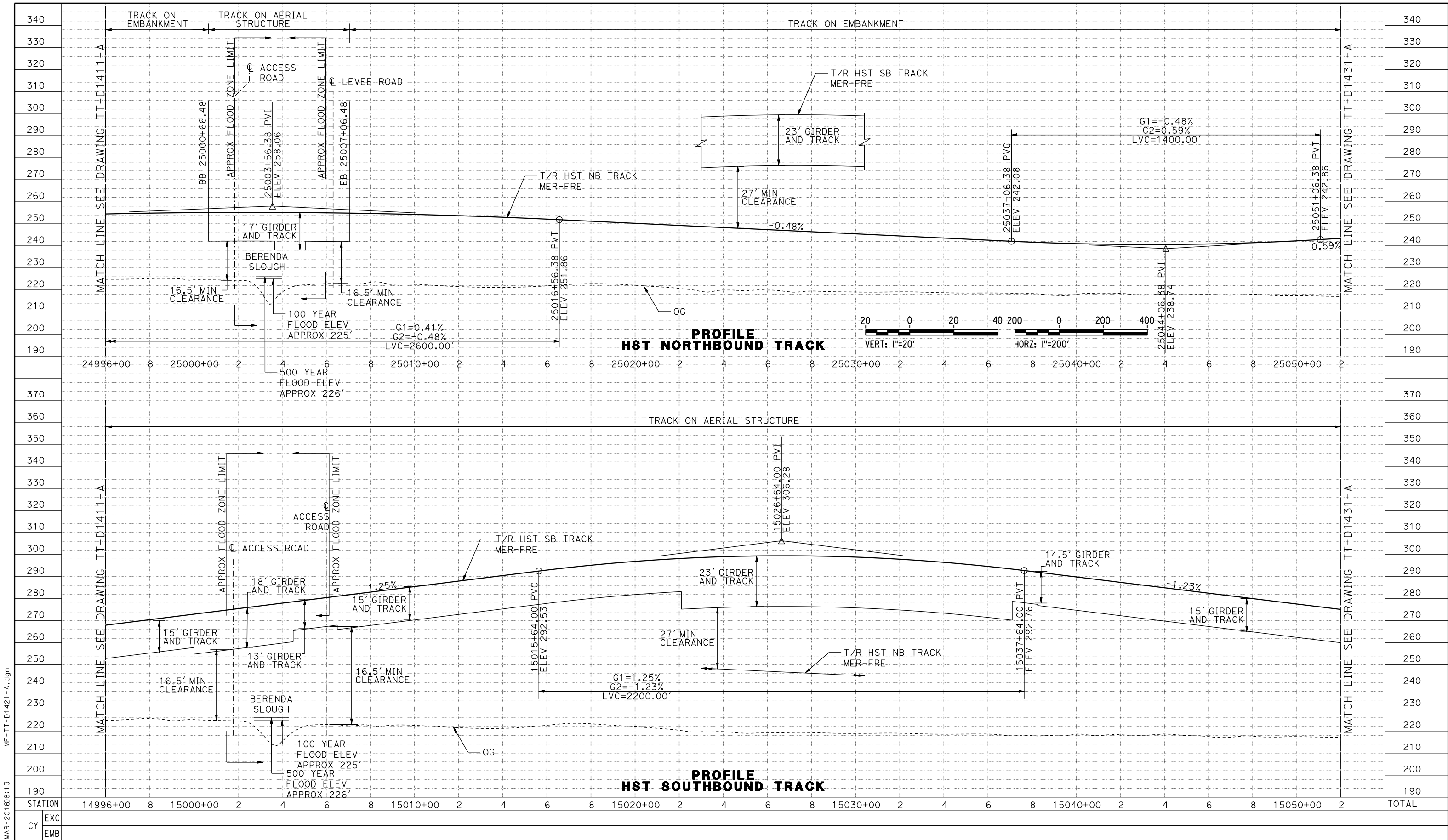


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

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

CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1420-A
SCALE	AS SHOWN
SHEET NO.	

10-MAR-2016 08:13 MF-TT-D1421-A.dgn

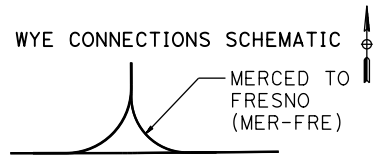


DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE MER-FRE STA 14996+00 TO 15052+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. TT-D1421-A
CHECKED BY E. CASTELI						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

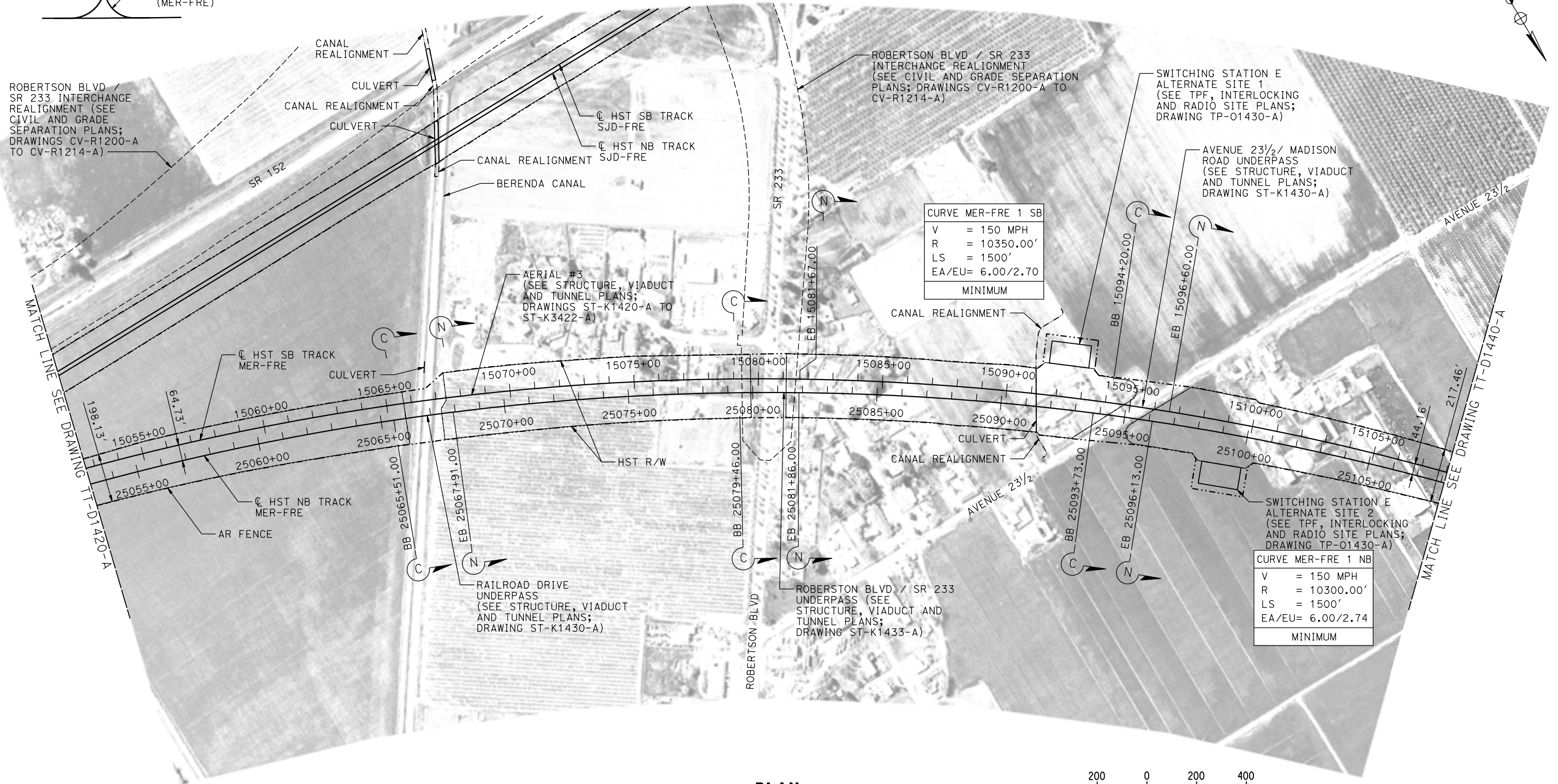
REV	DATE	BY	CHK	APP	DESCRIPTION

p0042226 10-MAR-2016 08:18 MF-TT-D1430-A.dgn

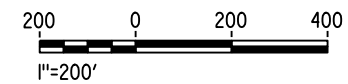
WYE CONNECTIONS SCHEMATIC



MADERA COUNTY



PLAN



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

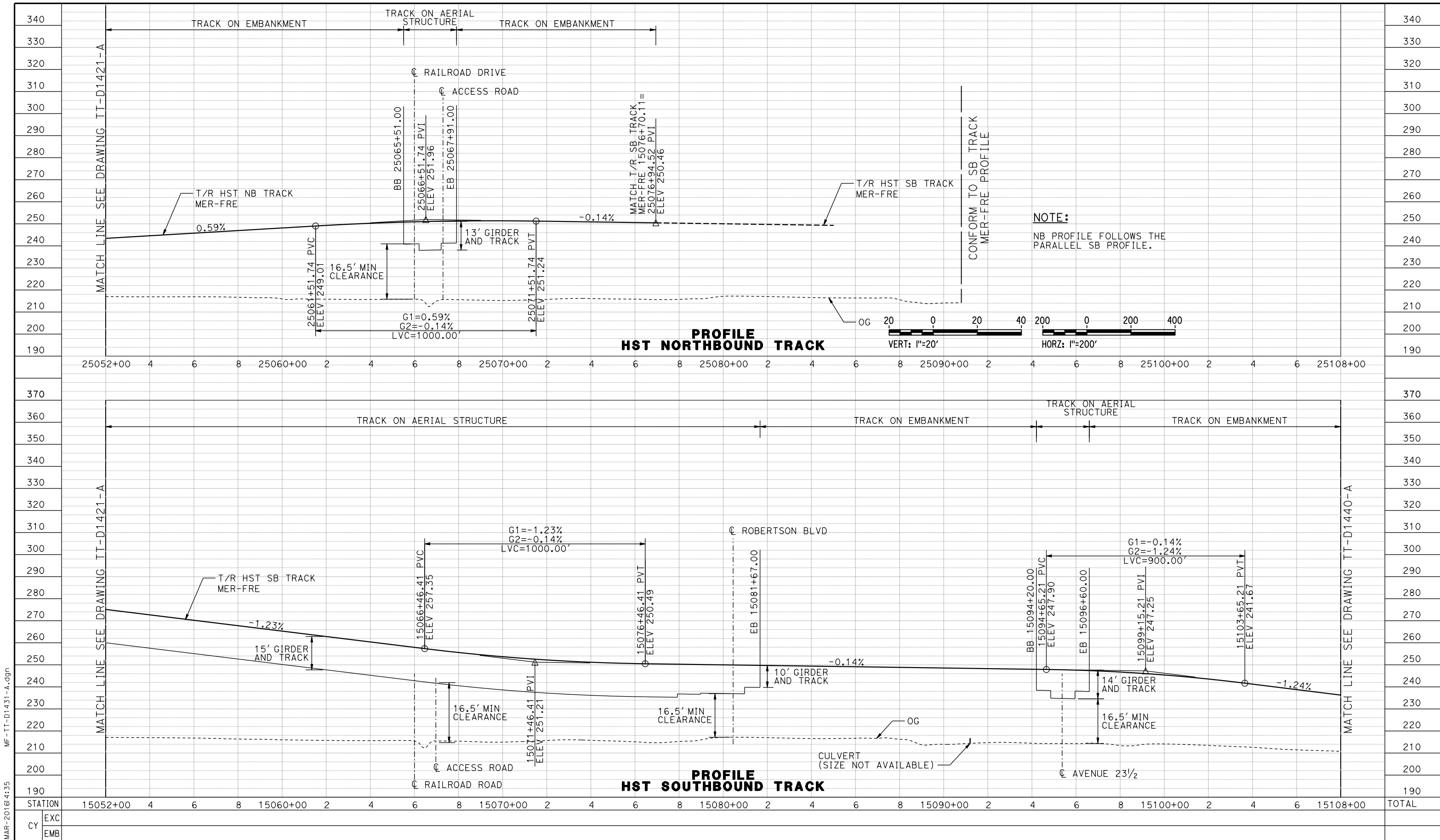


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15052+00 TO 15108+00

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



MF-TT-D1431-A.dgn
07-MAR-2016 16:41:35
p0042226

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

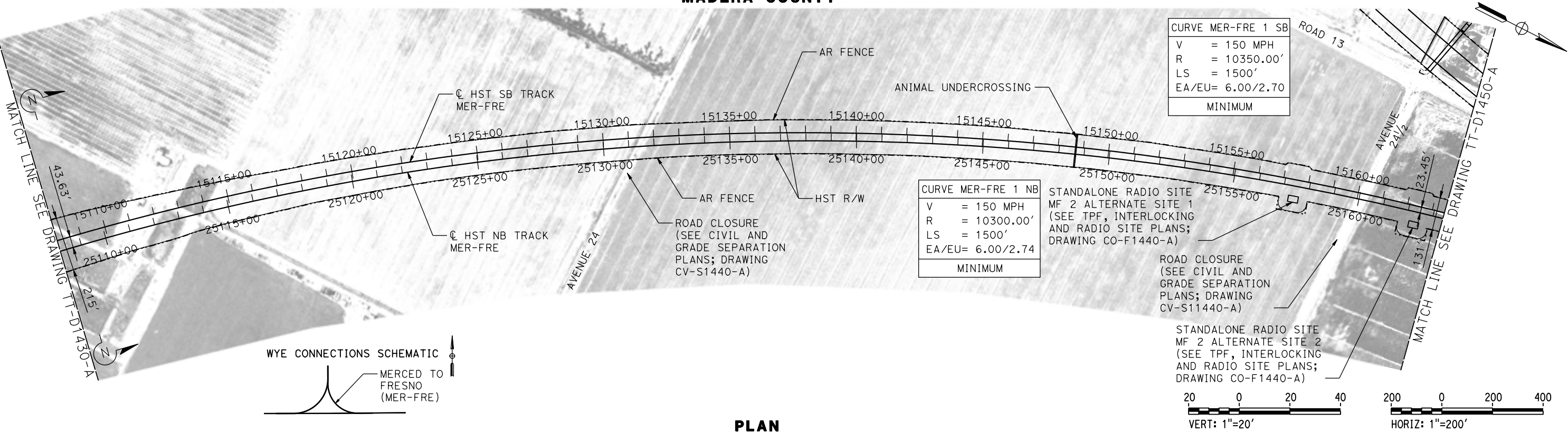
NOT FOR
CONSTRUCTION



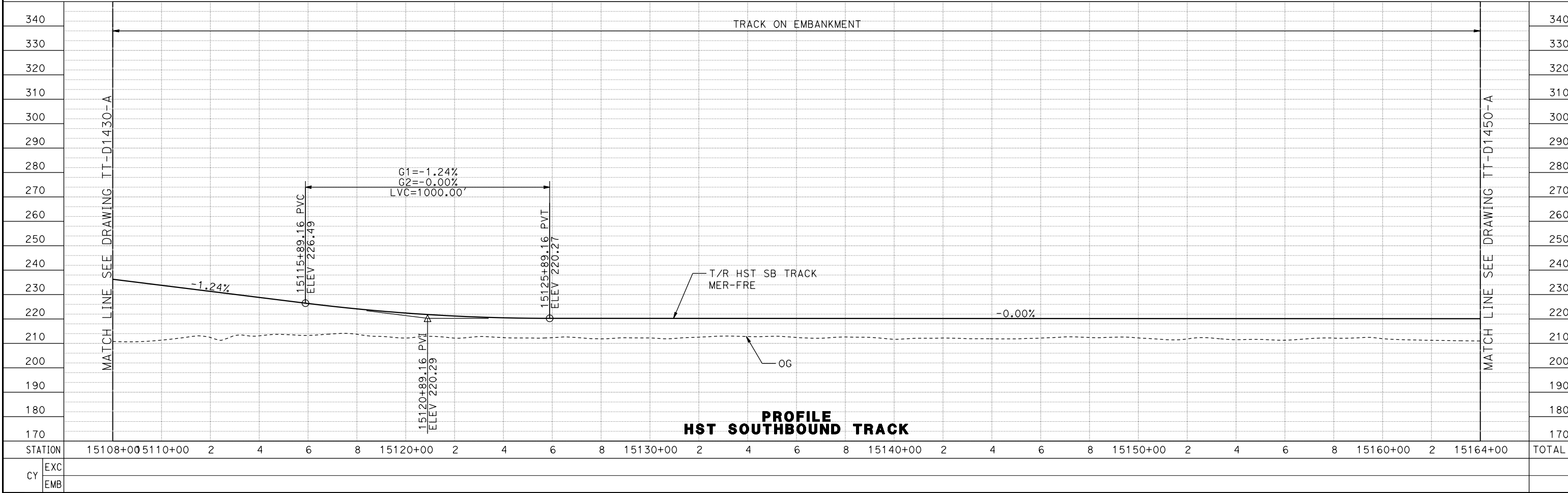
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15052+00 TO 15108+00

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

MADERA COUNTY

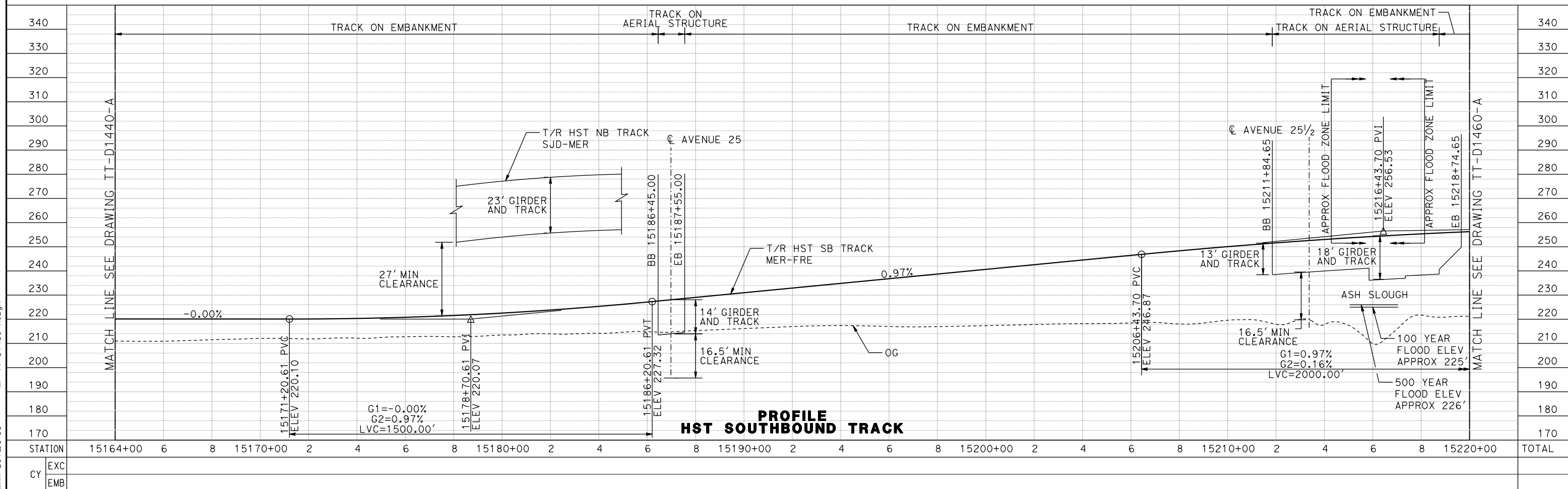
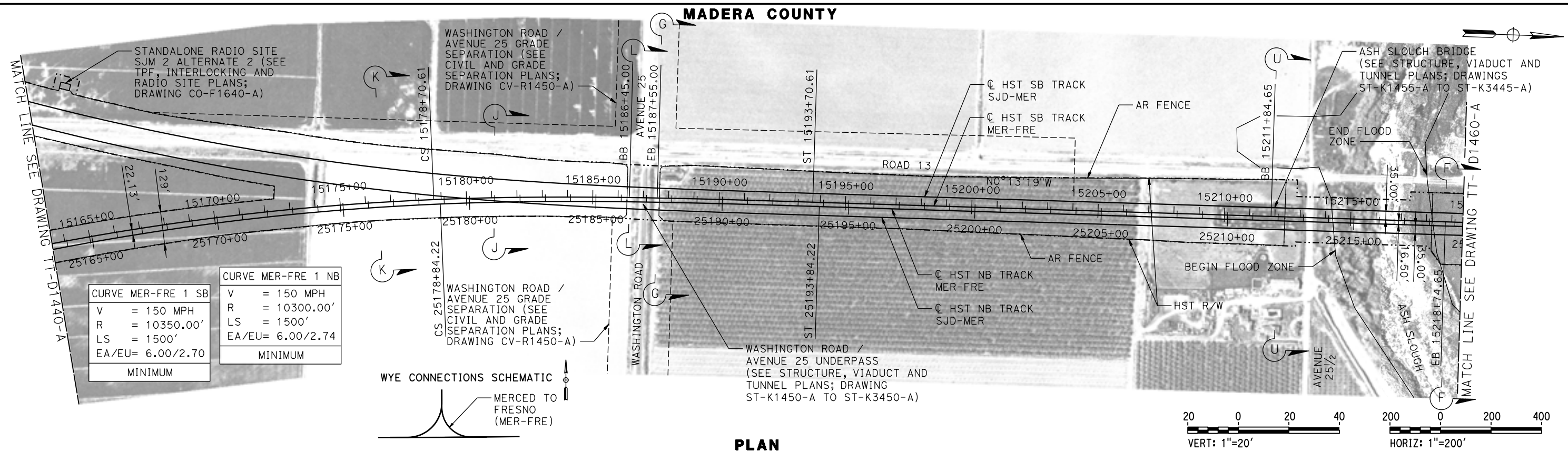


PLAN



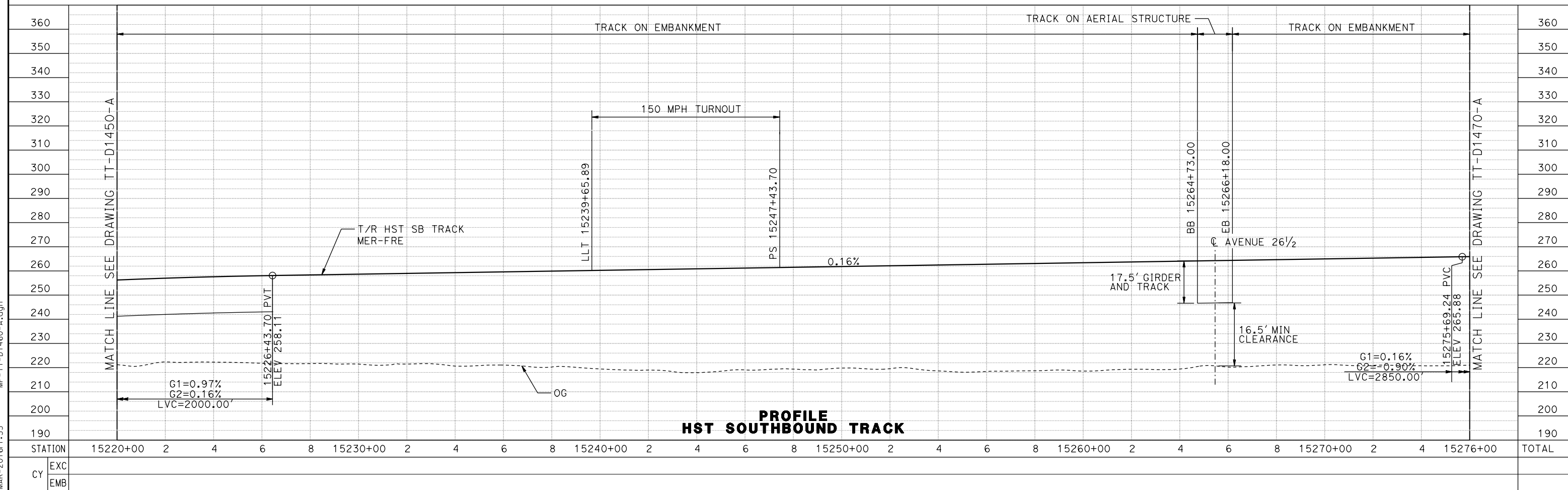
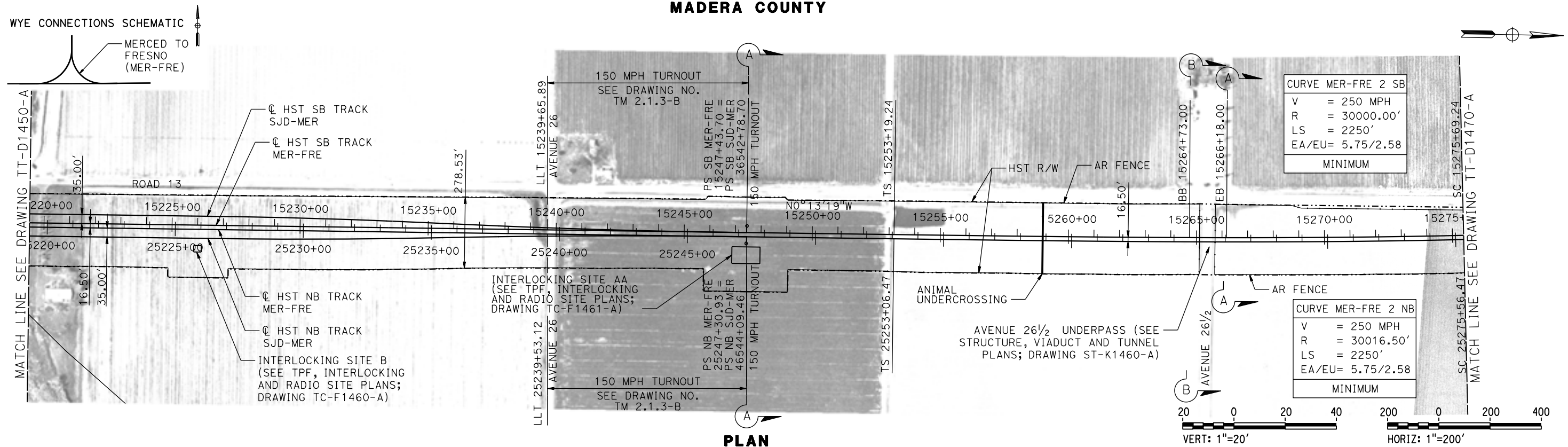
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15108+00 TO 15164+00		CONTRACT NO. HSR08-05 DRAWING NO. TT-D1440-A SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION									



						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i>	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15164+00 TO 15220+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1450-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

MADERA COUNTY

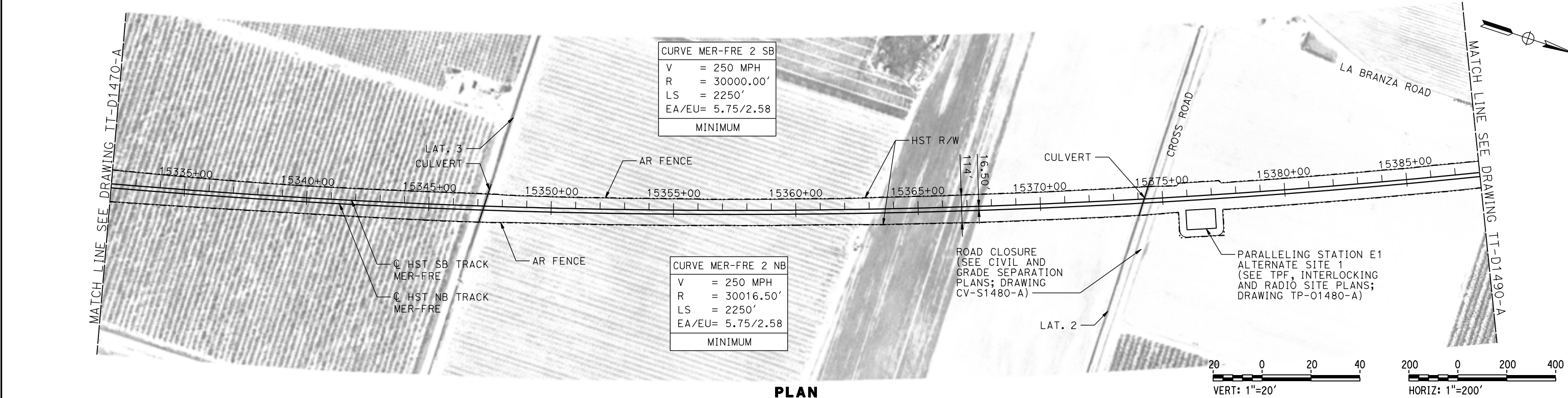


						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 CALIFORNIA <i>HIGH-SPEED RAIL AUTHORITY</i>	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15220+00 TO 15276+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1460-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

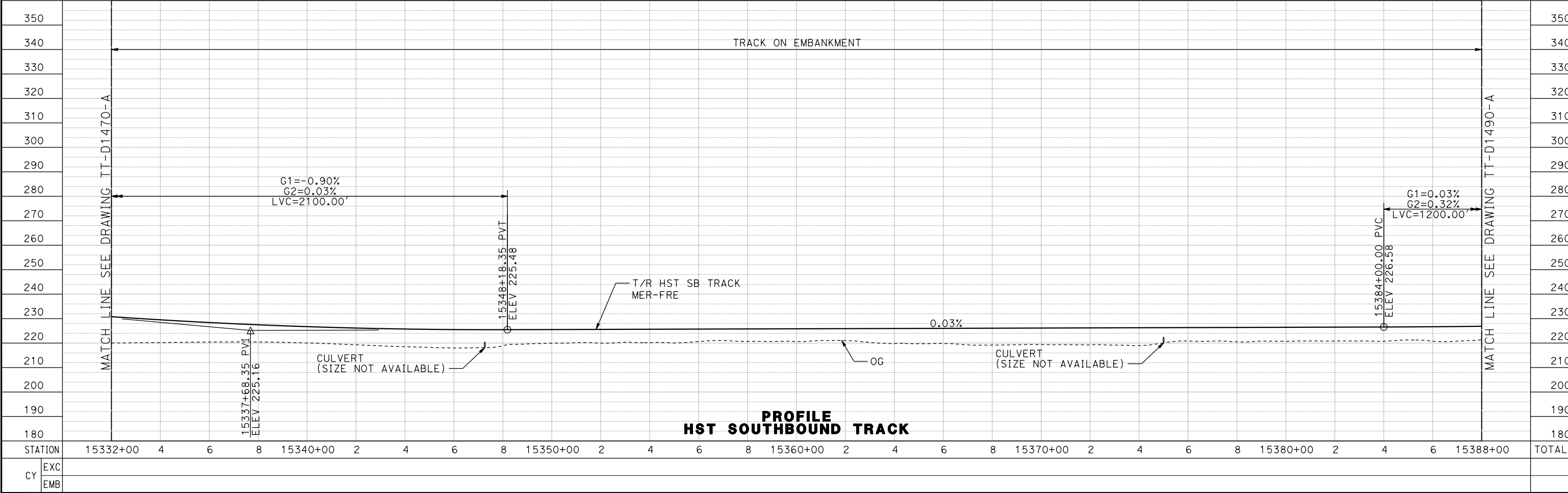
MADERA COUNTY

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15276+00 TO 15332+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1470-A
						CHECKED BY E. CASTELI					
						IN CHARGE C. LEMLEY					SCALE AS SHOWN
						DATE 03/18/2016					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION						

MERCED COUNTY



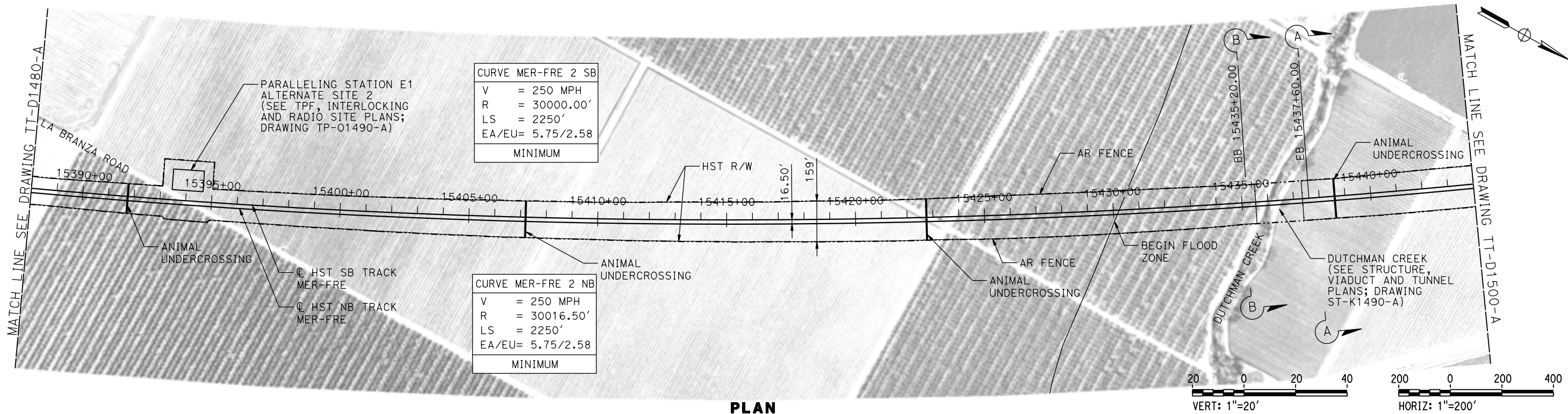
PLAN



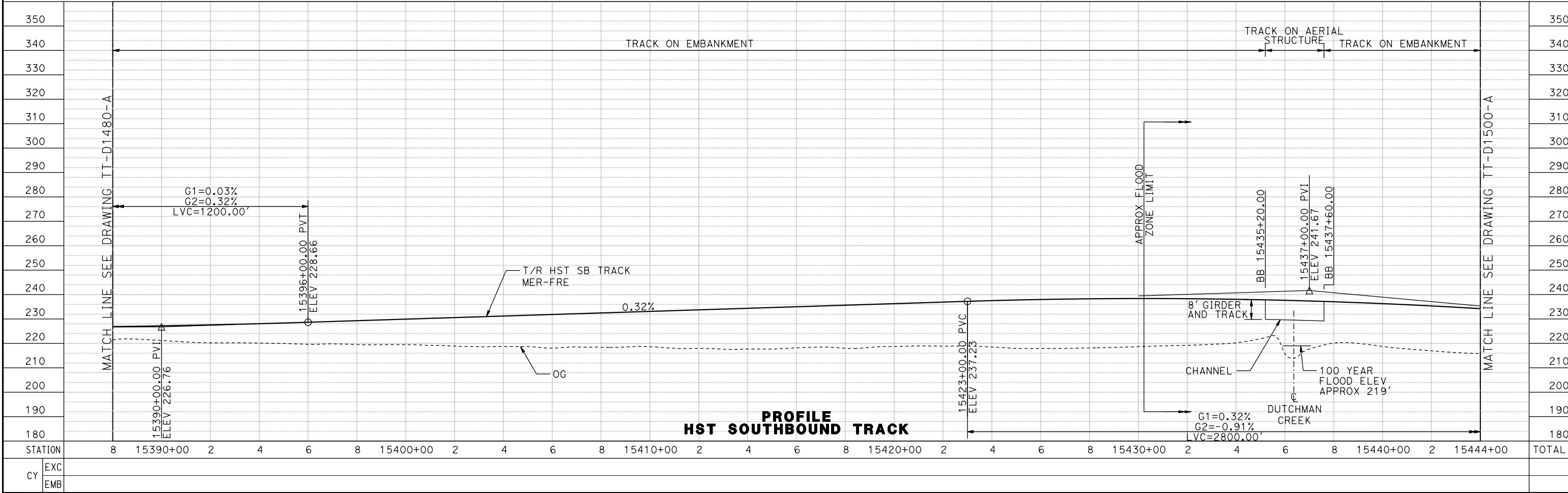
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION				CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15332+00 TO 15388+00		CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY											DRAWING NO. TT-D1480-A
CHECKED BY E. CASTELI											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

10-MAR-2016 09:14 MF-TT-D1490-A.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

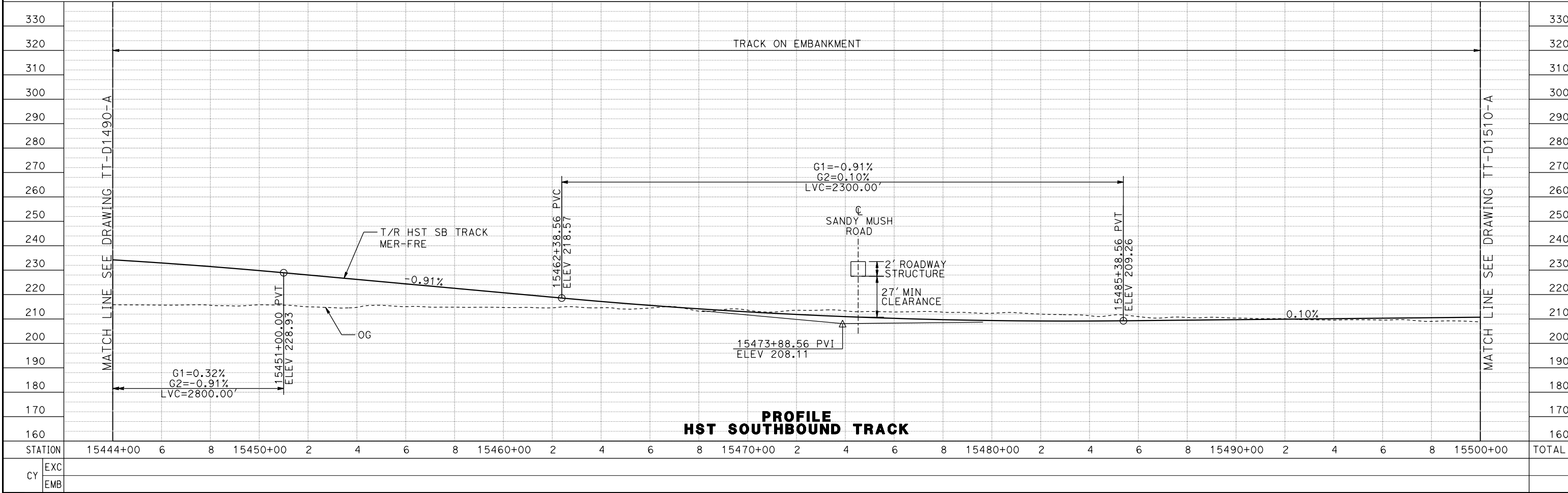
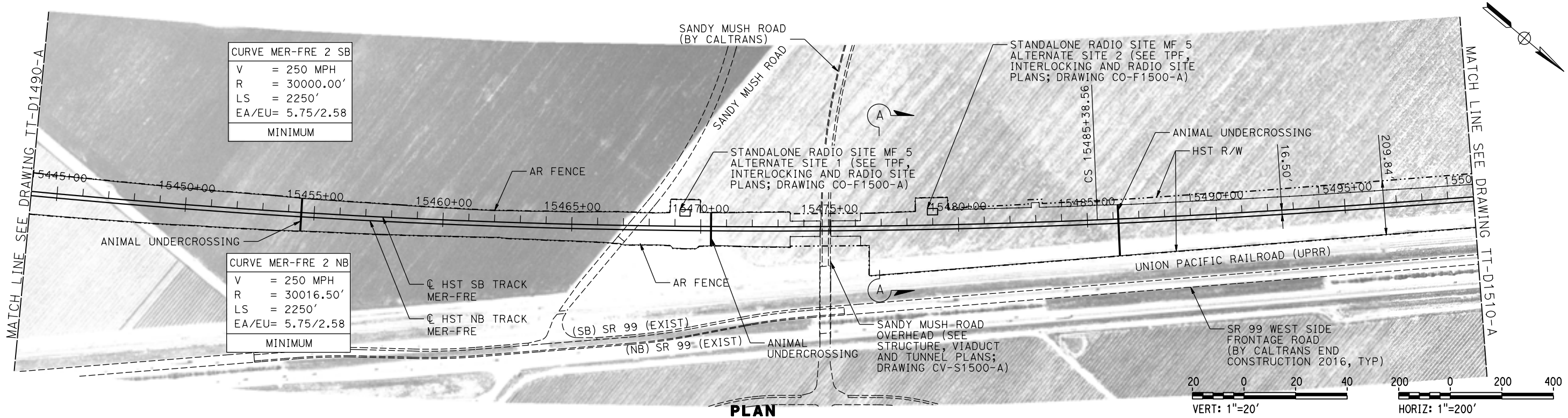
NOT FOR
CONSTRUCTION



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

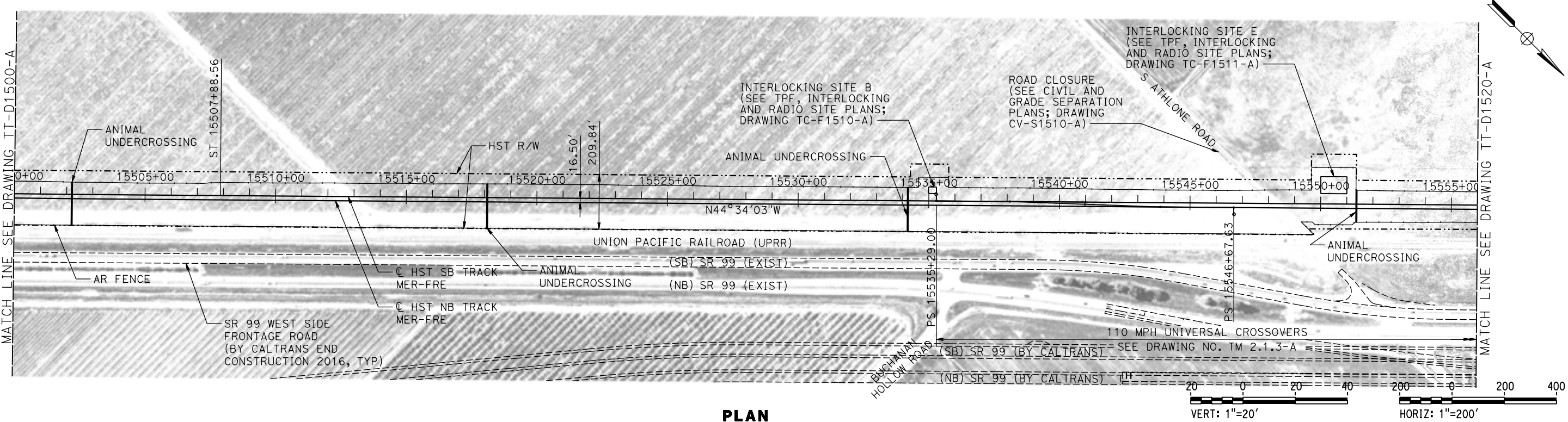
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1490-A
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

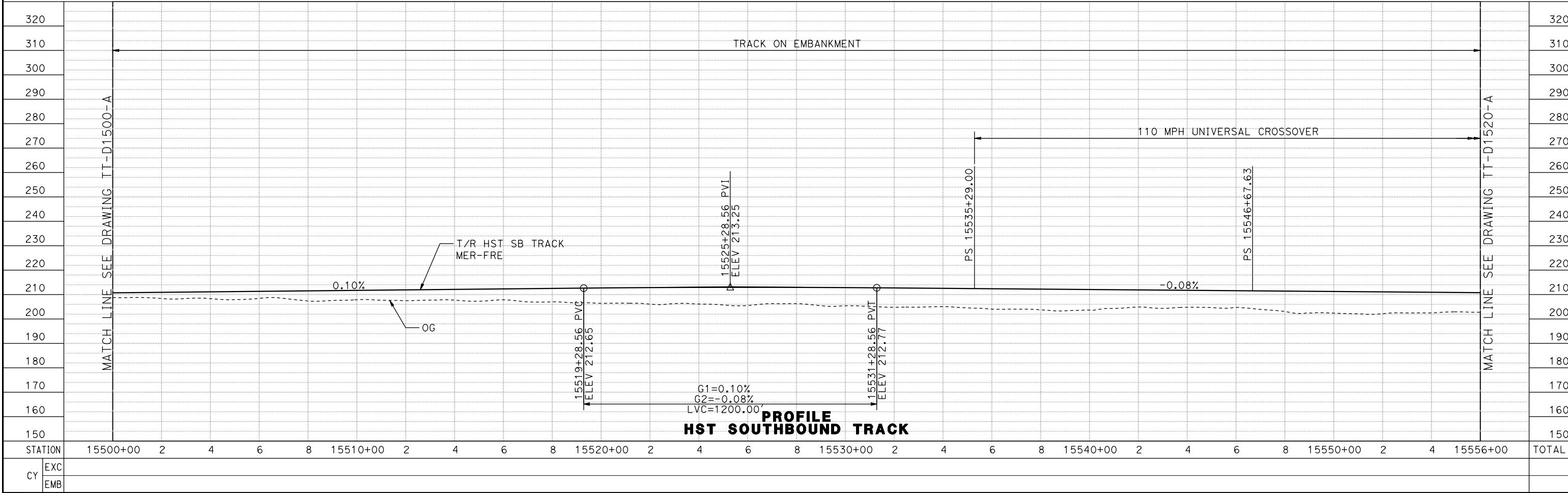


DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016					RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15444+00 TO 15500+00		CONTRACT NO. HSR08-05 DRAWING NO. TT-D1500-A SCALE AS SHOWN SHEET NO.	
--	--	--	--	--	---	--	--	--	---	--	---	--

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

08-MAR-2016 10:51:22 MF-TT-D1510-A.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

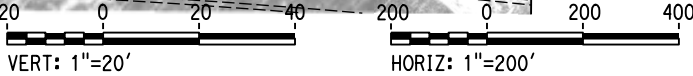
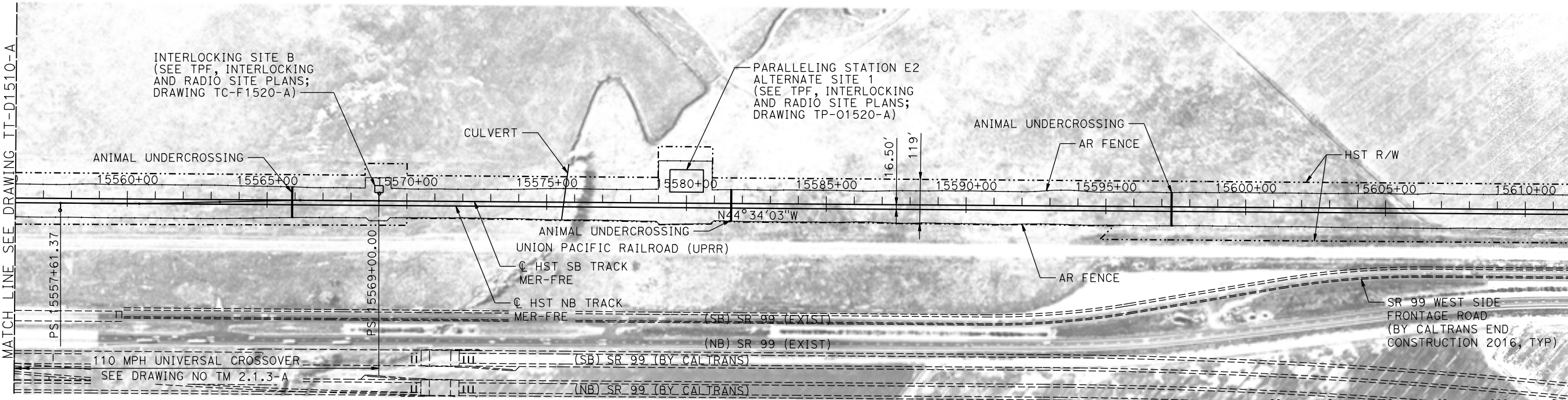
NOT FOR
CONSTRUCTION



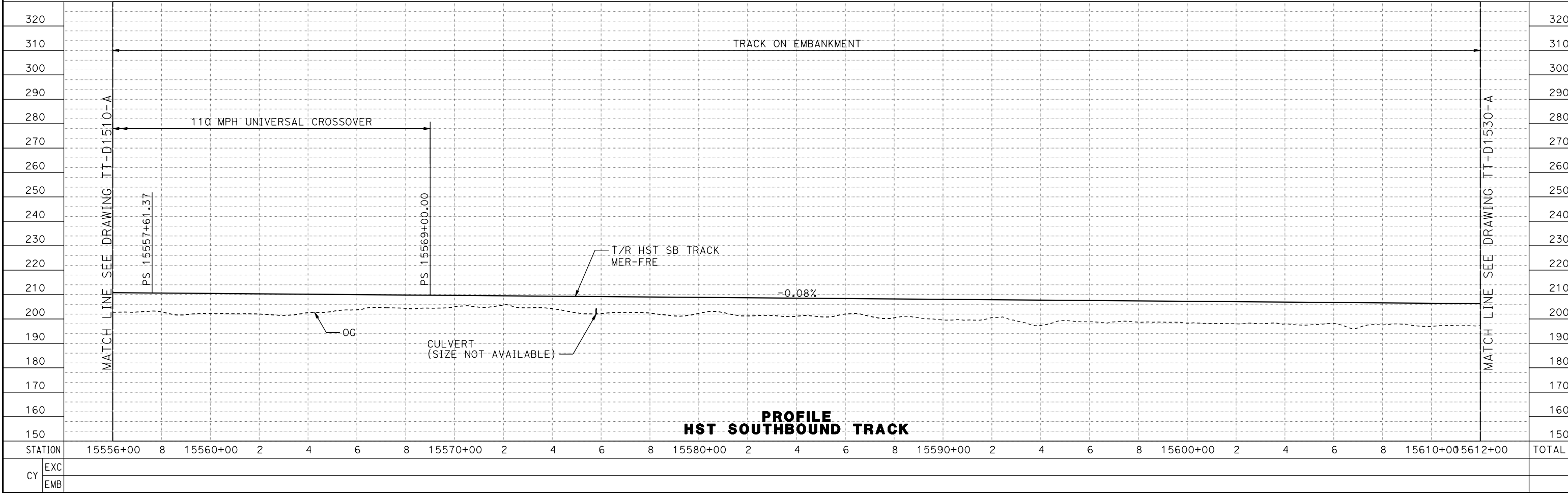
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15500+00 TO 15556+00

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

MERCED COUNTY



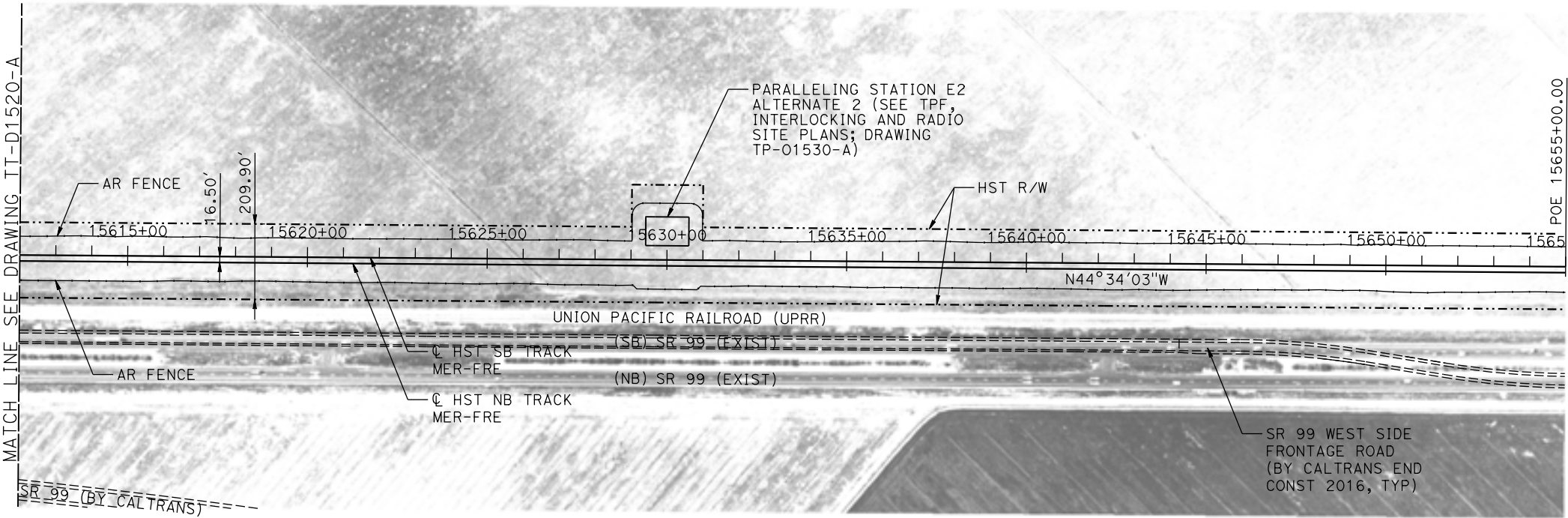
PLAN



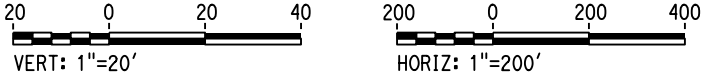
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15556+00 TO 15612+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. TT-D1520-A
CHECKED BY E. CASTELI						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

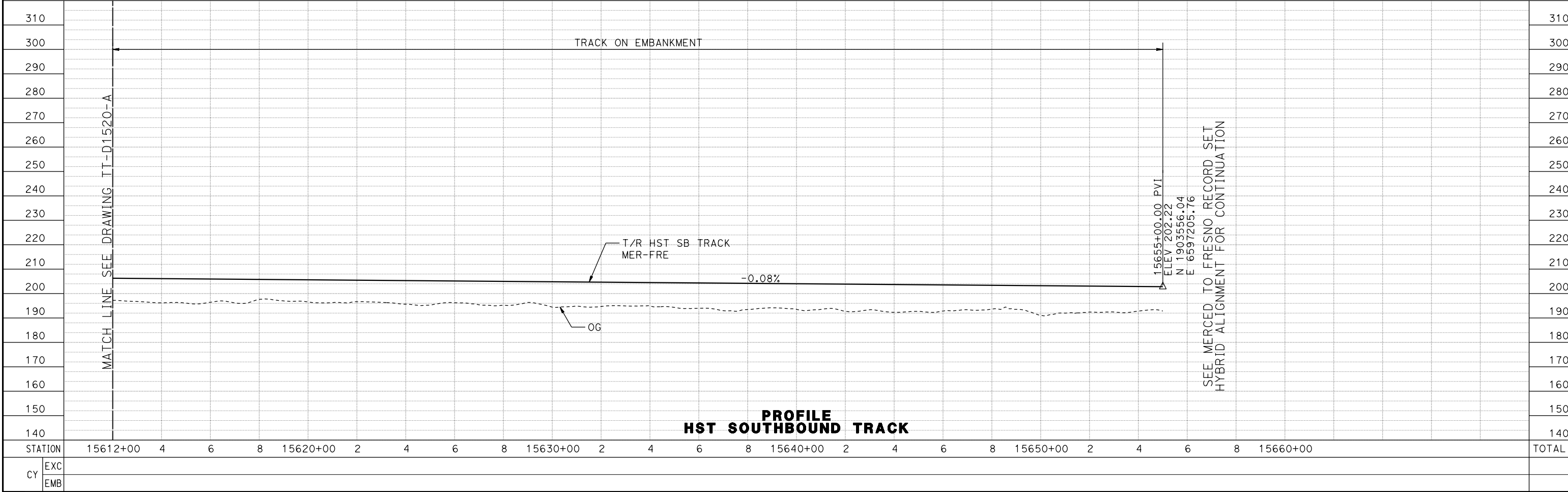
MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION



PLAN



PROFILE
HST SOUTHBOUND TRACK

SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION

10-MAR-2016 09:22 MF-TT-D1530-A.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

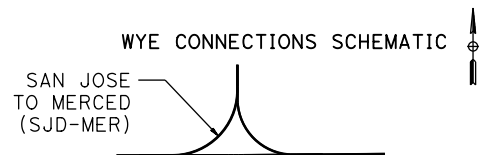
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15612+00 TO 15665+00

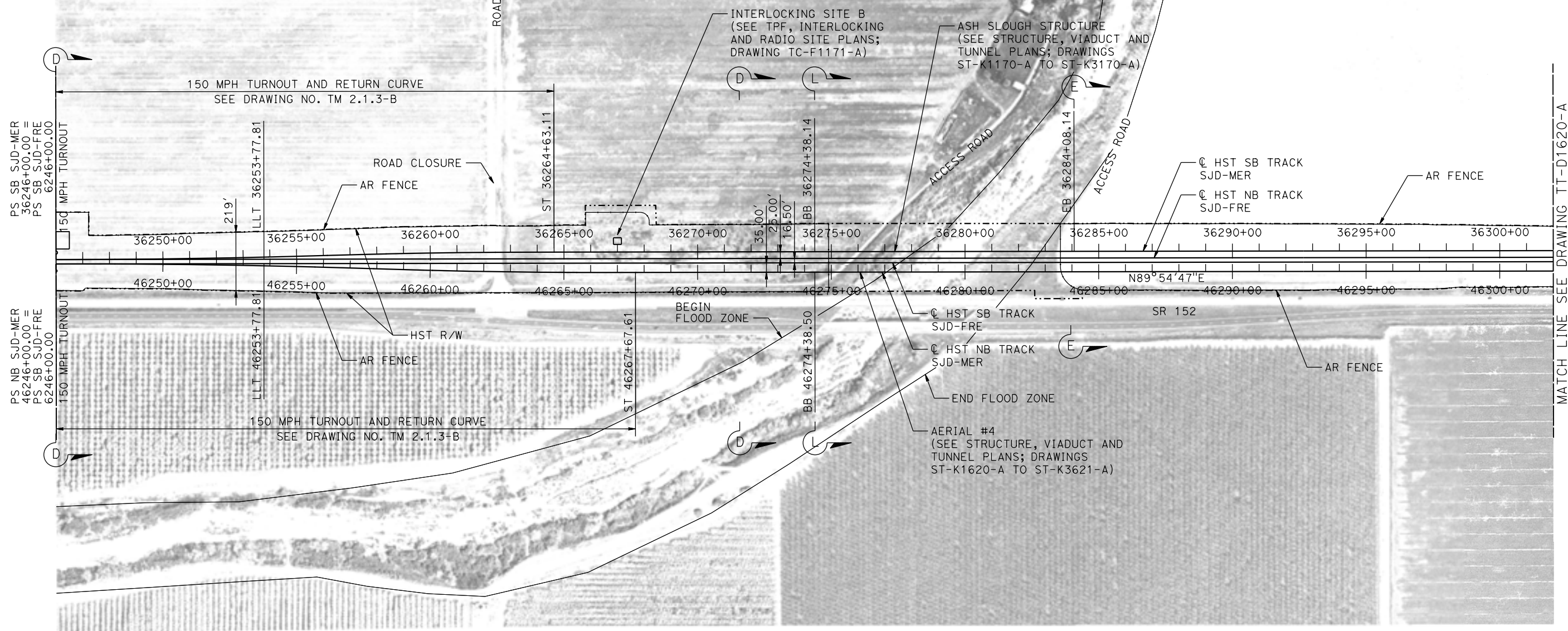
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1530-A
SCALE AS SHOWN
SHEET NO.

p0042226 07-MAR-2016 4:43 MF-TT-D1610-A.dgn

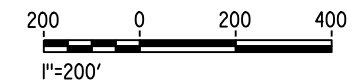


MADERA COUNTY

SEE DRAWING TT-D1170-A FOR CONTINUATION



PLAN



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

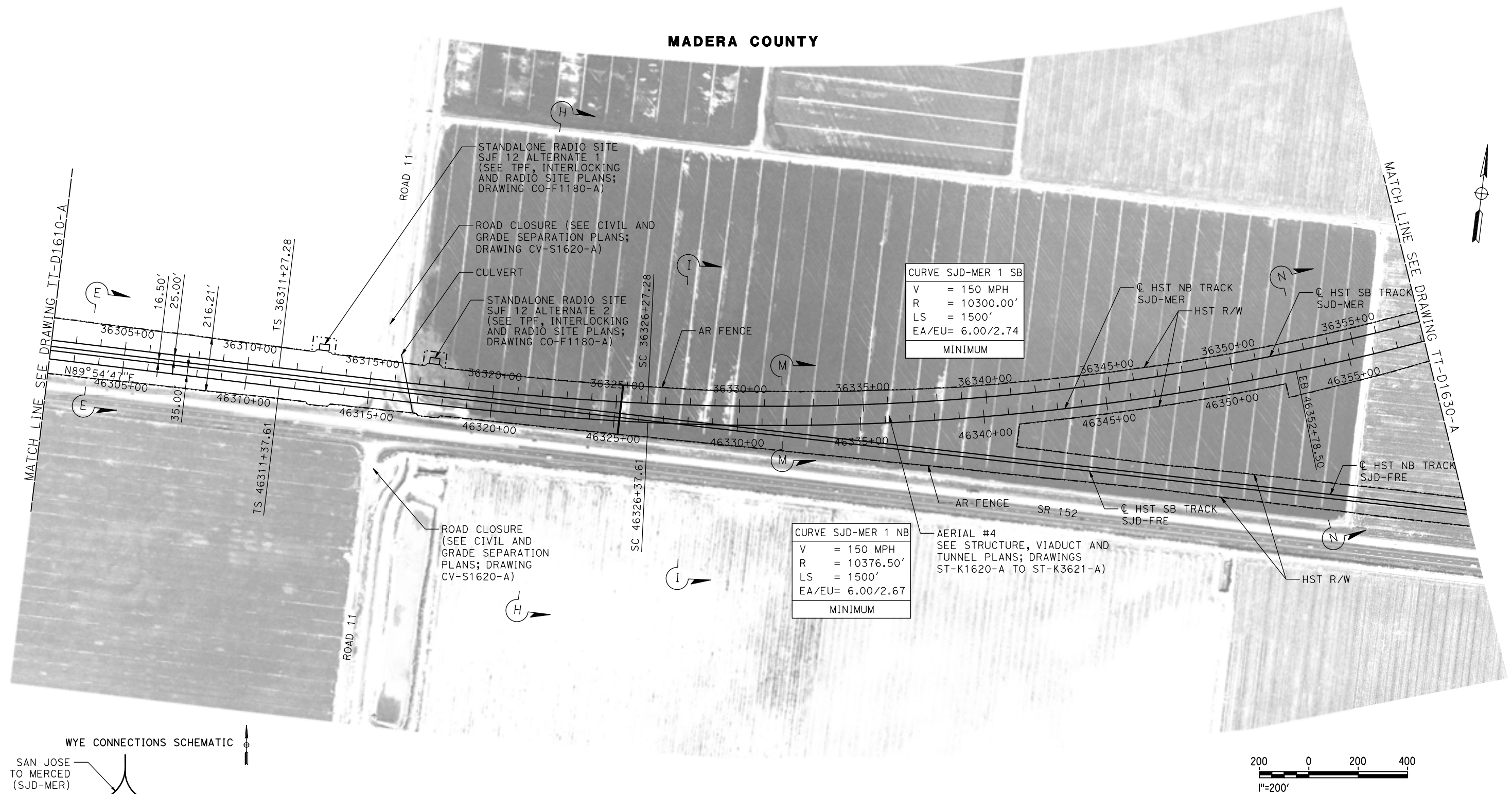
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36246+00 TO 36302+00

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

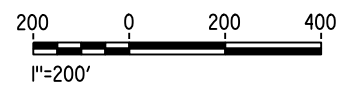
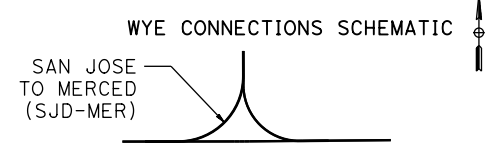


1

p0042226 23-FEB-2016 06:42 MF-TT-D1620-A.dgn



PLAN



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

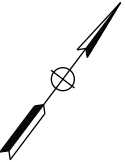
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

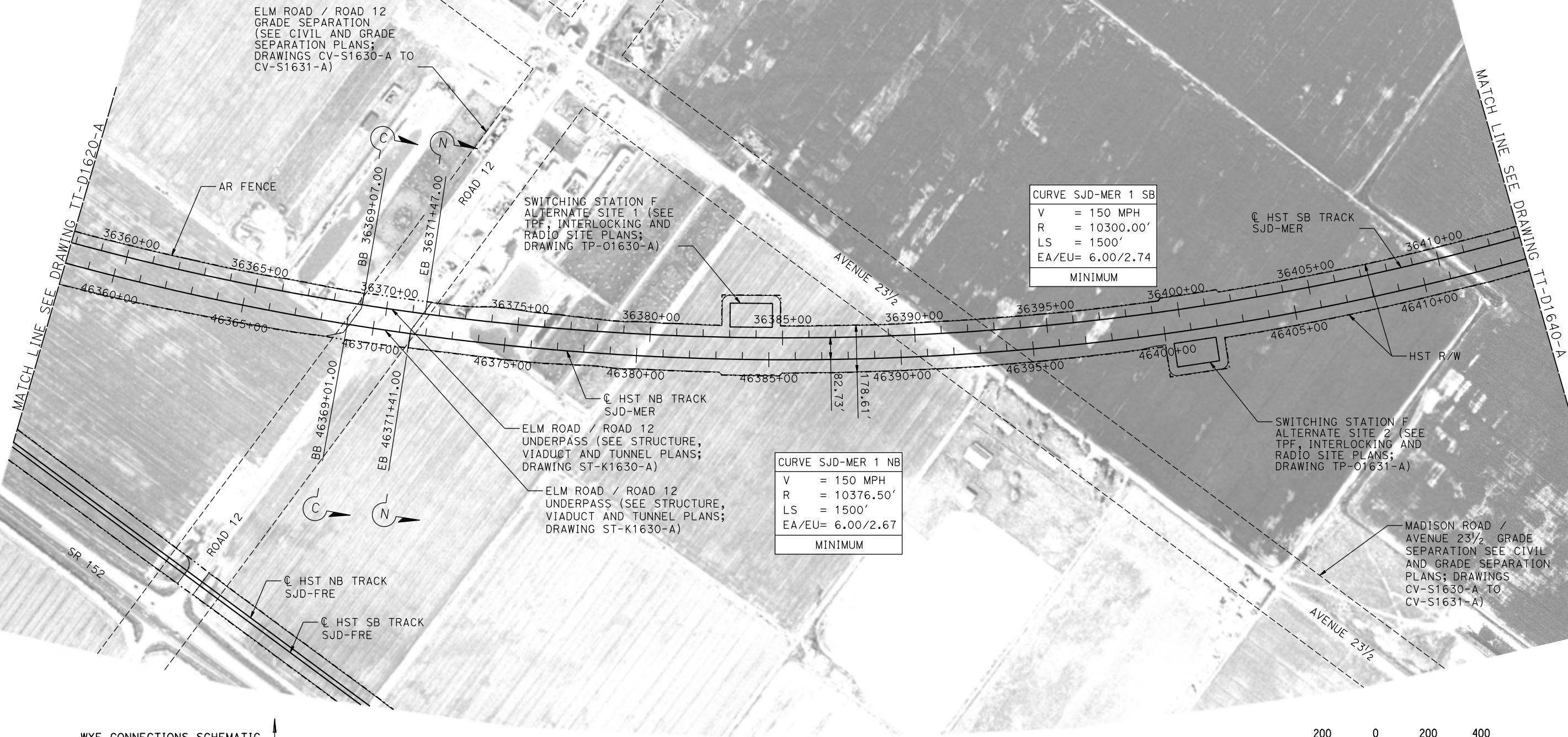


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36302+00 TO 36358+00

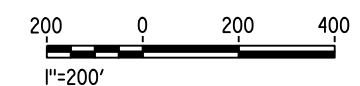
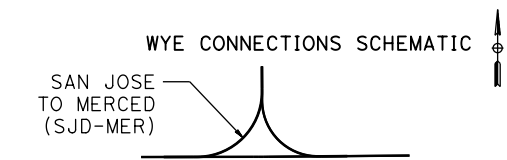
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1620-A
SCALE
AS SHOWN
SHEET NO.



MADERA COUNTY



PLAN



p0042226 23-FEB-2016 06:43 MF-TT-D1630-A.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

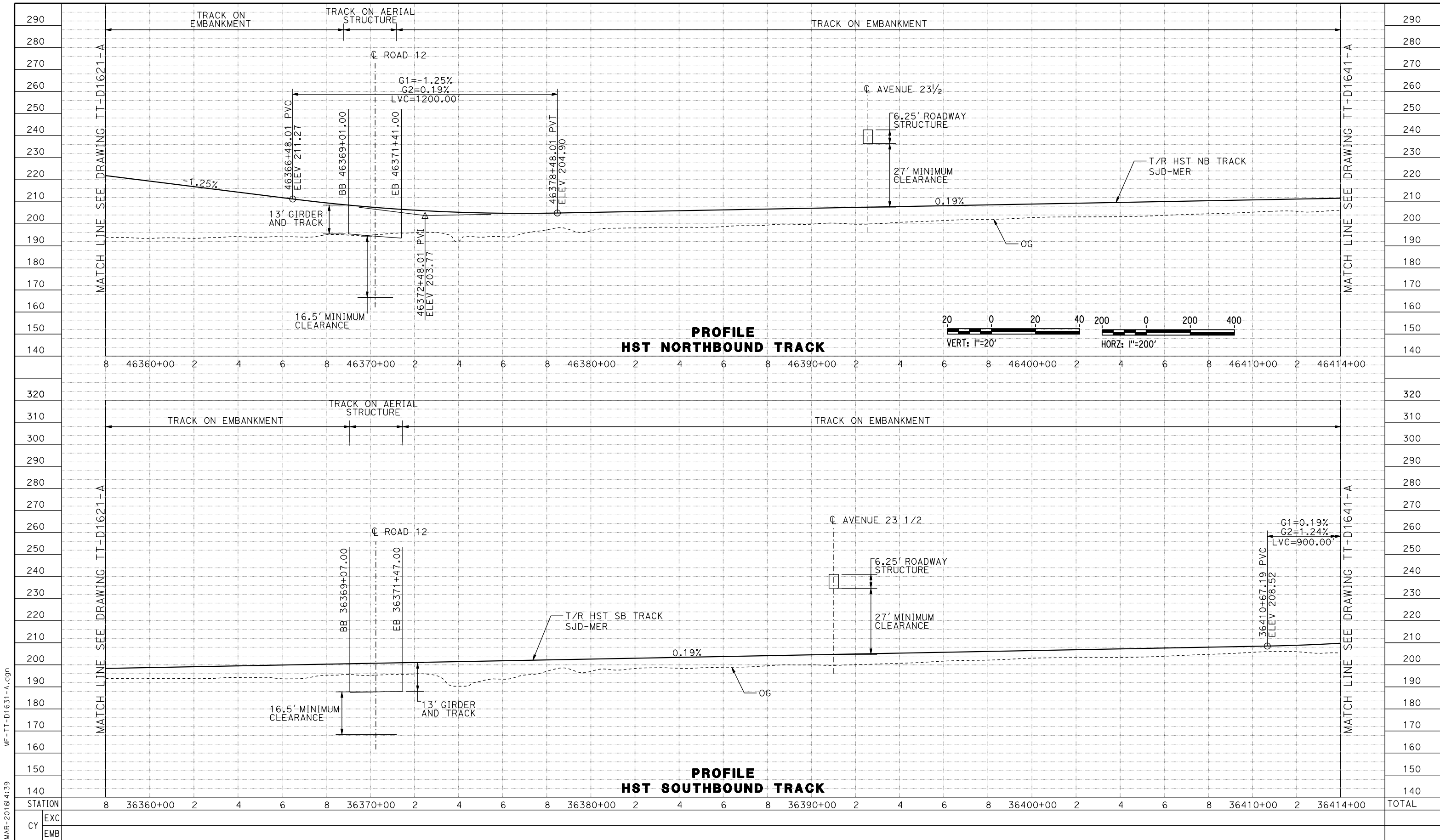
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

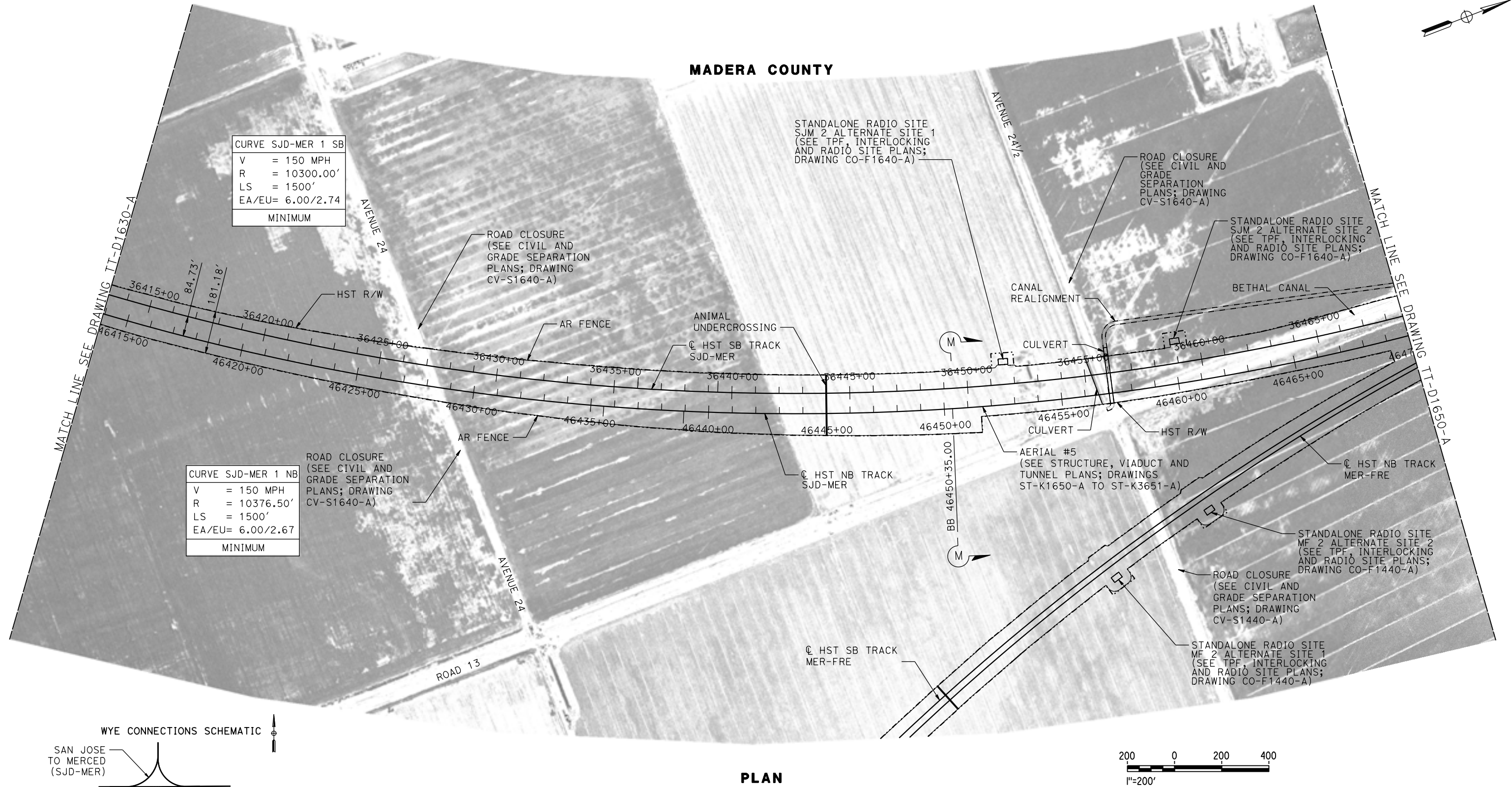
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36358+00 TO 36414+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1630-A
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 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE SJD-MER STA 36358+00 TO 36414+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY	DRAWING NO. TT-D1631-A					
						CHECKED BY E. CASTELI	SCALE AS SHOWN					
						IN CHARGE C. LEMLEY	SHEET NO.					
						DATE 03/18/2016						
	REV	DATE	BY	CHK	APP	DESCRIPTION						

p0042226 23-FEB-2016 06:43 MF-TT-D1640-A.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

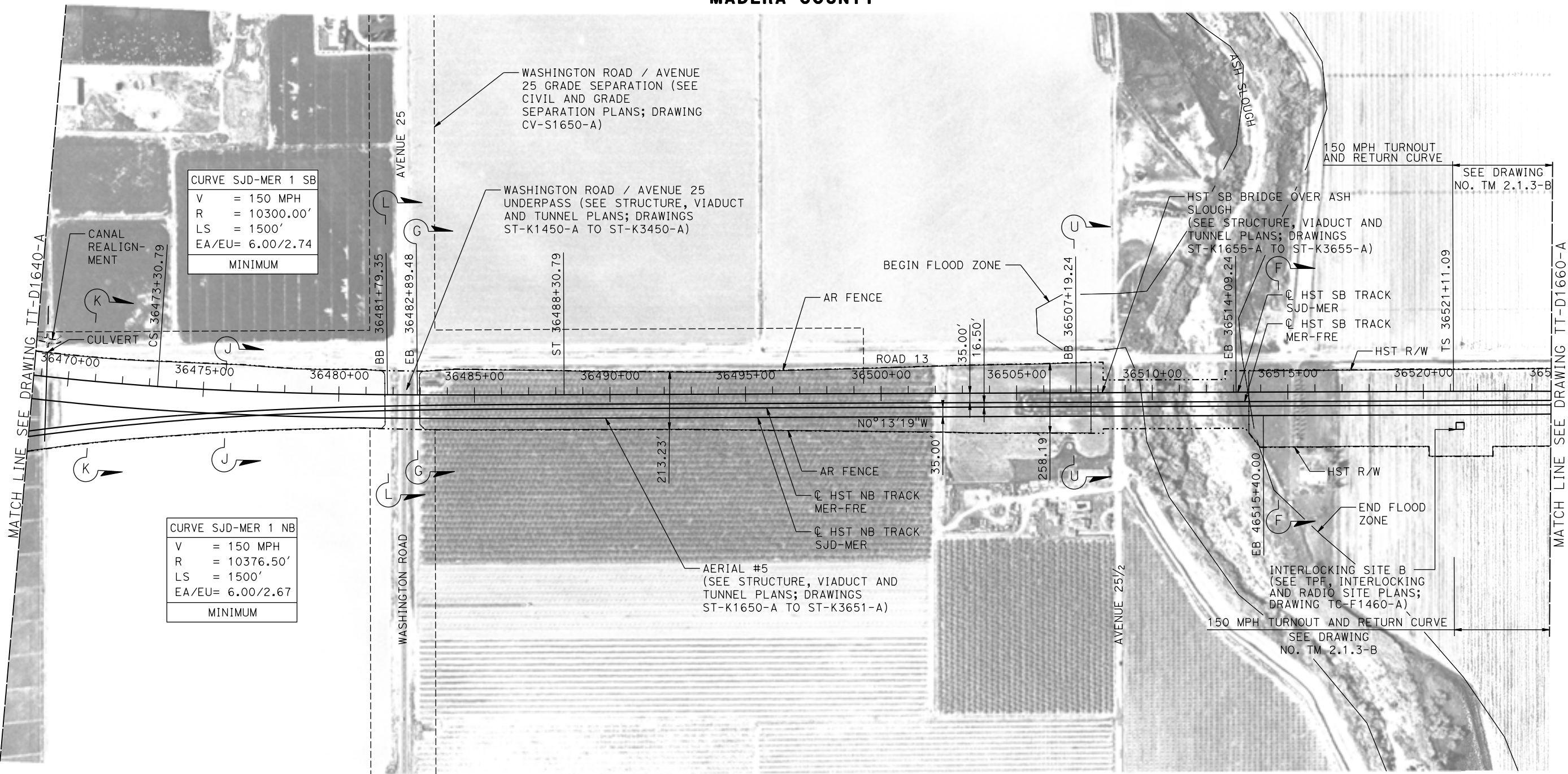
RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36414+00 TO 36470+00

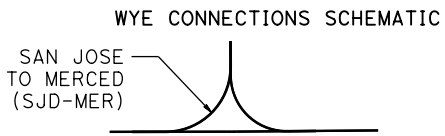
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1640-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

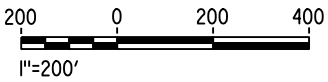


CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU=	6.00/2.74
MINIMUM	

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



PLAN



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

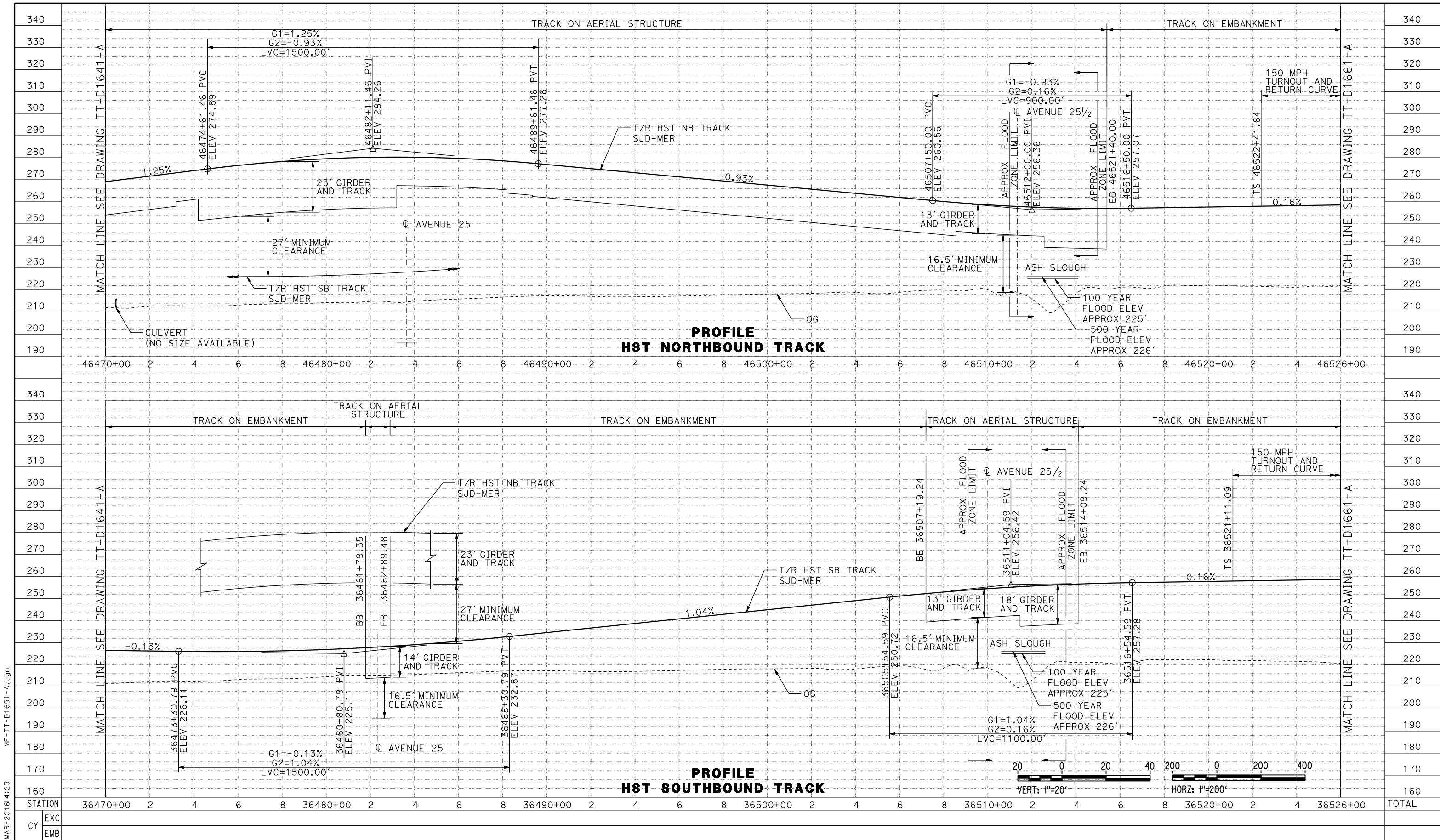
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

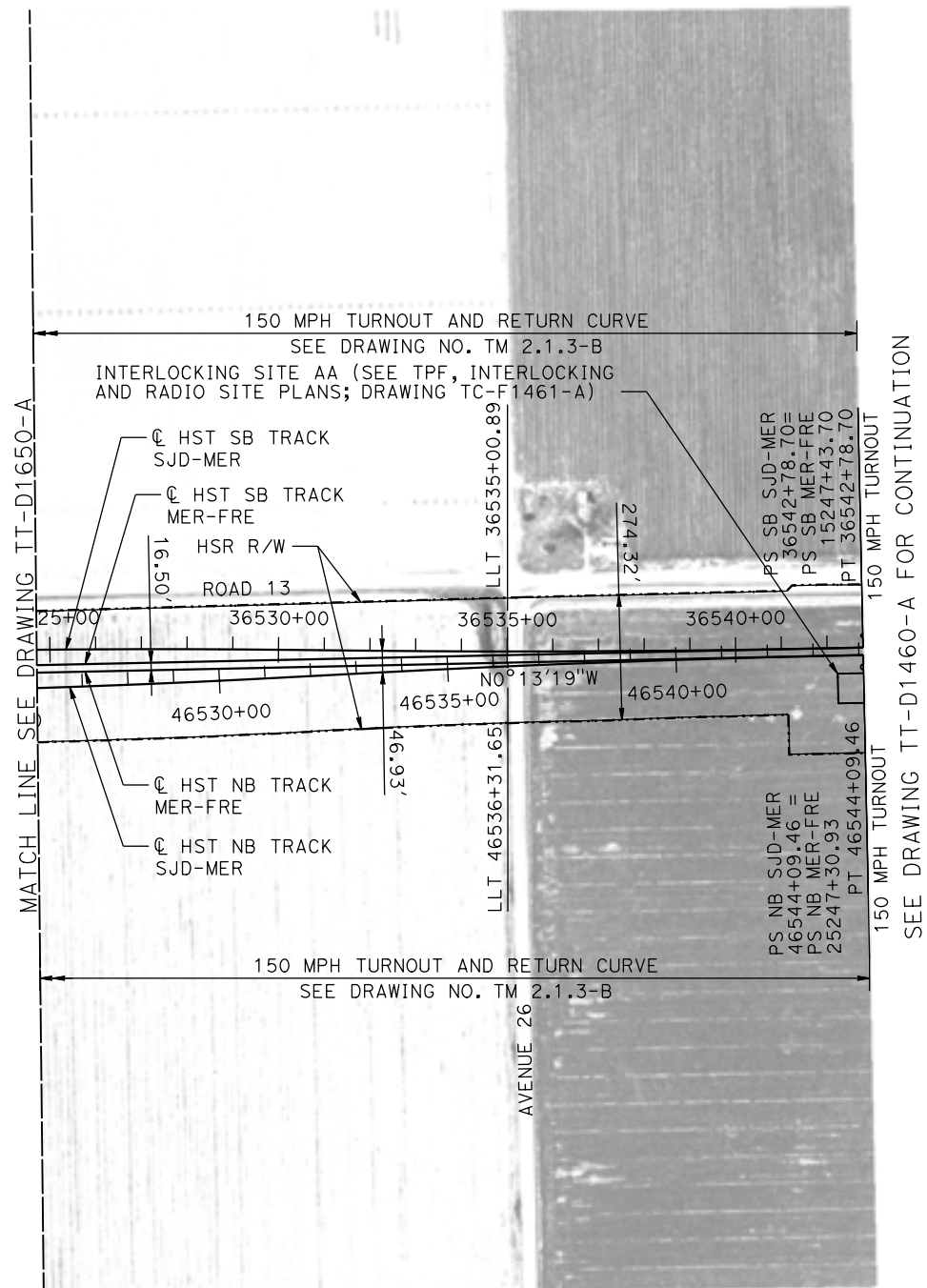
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36470+00 TO 36526+00

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

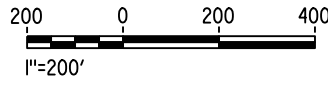
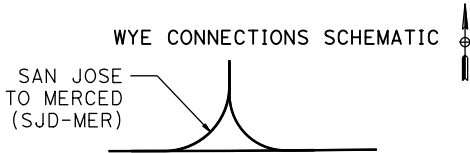


MF-TT-D1651-A.dgn 10-MAR-2016 16:41:23 00042226					<table><tr><td>DESIGNED BY</td><td>D. OLIVETI</td></tr><tr><td>DRAWN BY</td><td>M. TACTAY</td></tr><tr><td>CHECKED BY</td><td>E. CASTELI</td></tr><tr><td>IN CHARGE</td><td>C. LEMLEY</td></tr><tr><td>DATE</td><td>03/18/2016</td></tr></table>					DESIGNED BY	D. OLIVETI	DRAWN BY	M. TACTAY	CHECKED BY	E. CASTELI	IN CHARGE	C. LEMLEY	DATE	03/18/2016	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		PARSONS CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE SJD-MER STA 36470+00 TO 36526+00			CONTRACT NO. HSR08-05 DRAWING NO. TT-D1651-A SCALE AS SHOWN SHEET NO.	
DESIGNED BY	D. OLIVETI																											
DRAWN BY	M. TACTAY																											
CHECKED BY	E. CASTELI																											
IN CHARGE	C. LEMLEY																											
DATE	03/18/2016																											
REV	DATE	BY	CHK	APP	DESCRIPTION																							

MADERA COUNTY



PLAN



07-MAR-2016 16:41 MF-TT-D1660-A.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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36526+00 TO 36544+07.50

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

