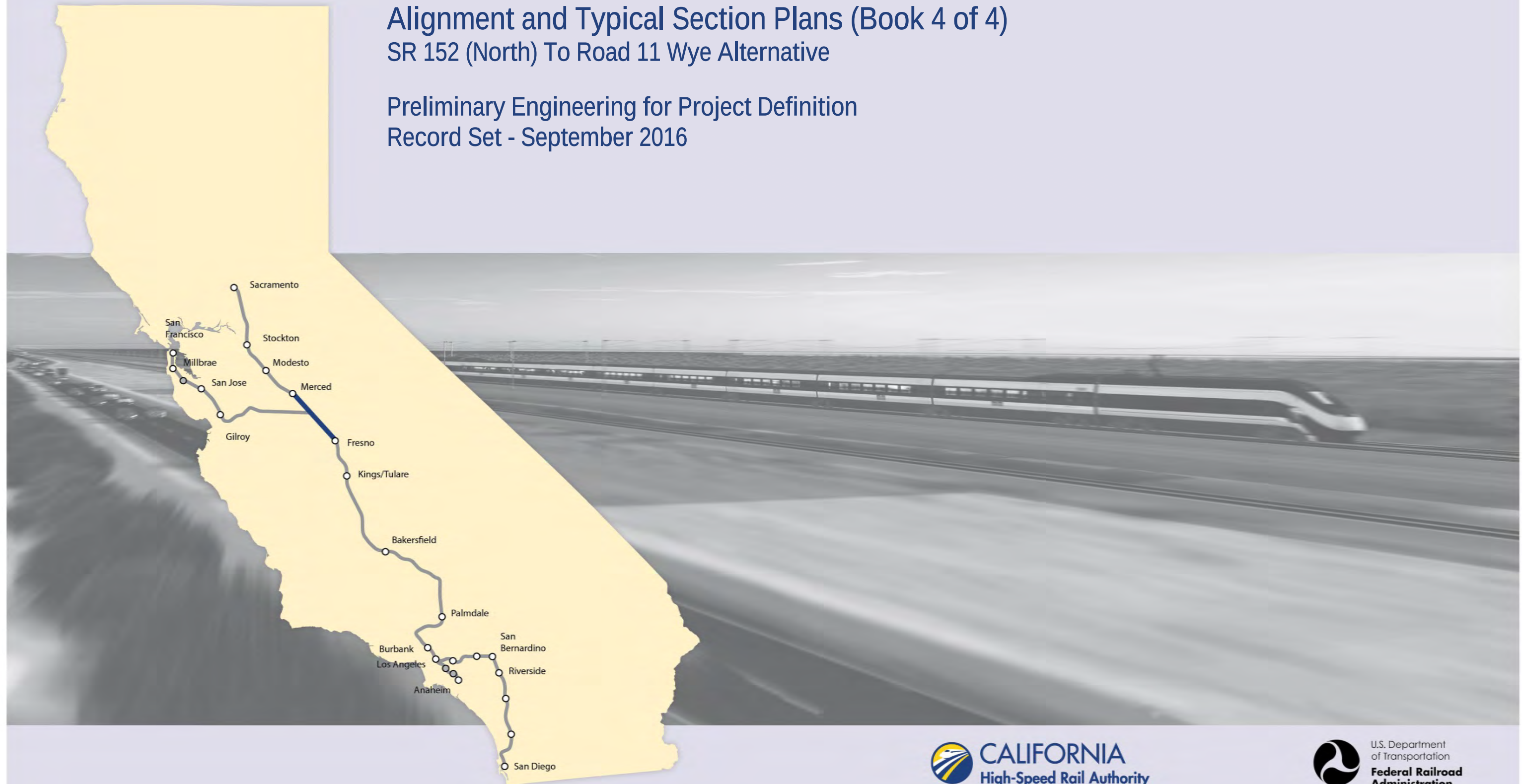


Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 4 of 4)
SR 152 (North) To Road 11 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



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

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
GENERAL				
TT-B0001	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	COVER	
TT-B0002	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 1 OF 9
TT-B0003	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 2 OF 9
TT-B0004	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 3 OF 9
TT-B0005	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 4 OF 9
TT-B0006	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 5 OF 9
TT-B0007	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 6 OF 9
TT-B0008	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 7 OF 9
TT-B0009	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 8 OF 9
TT-B0010	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 9 OF 9
TT-B0011	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B0012	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B4000	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	LOCATION PLAN	
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE				
TT-C4001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
TT-B0023-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
TT-B0027-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
TT-B0031-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
TT-B0050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 7
TT-B0051-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 7
TT-B0052-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 7
TT-B0053-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 7
TT-B0054-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 5 OF 7
TT-B0055-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 7
TT-B0056-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 7 OF 7
TT-D1010-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

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

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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
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 3 OF 9

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

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

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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.	

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
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DRAWING NO. TT-B0006
SCALE NO SCALE
SHEET NO.

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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INDEX OF DRAWINGS
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SCALE NO SCALE
SHEET NO.

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 8 OF 9

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

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.

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O	
OC	OVERCROSSING
OCS	OVERHEAD CONTACT SYSTEM
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OH	OVERHEAD
O-O	OUT TO OUT
OPP	OPPOSITE
P	
P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX, PHASE BREAK
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PED	PEDESTRIAN
PED OC	PEDESTRIAN OVERCROSSING
PED UC	PEDESTRIAN UNDERCROSSING
PERM MTL	PERMEABLE MATERIAL
PG	PROFILE GRADE
PG&E	PACIFIC GAS AND ELECTRIC
PI	POINT OF INTERSECTION
PITO	POINT OF INTERSECTION TURNOUT
PJP	PARTIAL JOINT PENETRATION
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POB	POINT OF BEGINNING
POC	POINT OF HORIZONTAL CURVE
POE	POINT OF END
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	POINT OF SWITCH, PRESTRESSED, PARALLELING STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE

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

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

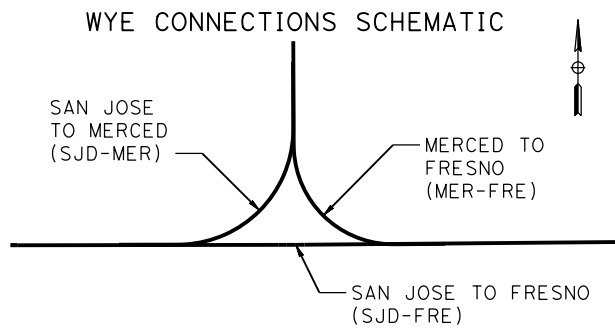
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 2 OF 2

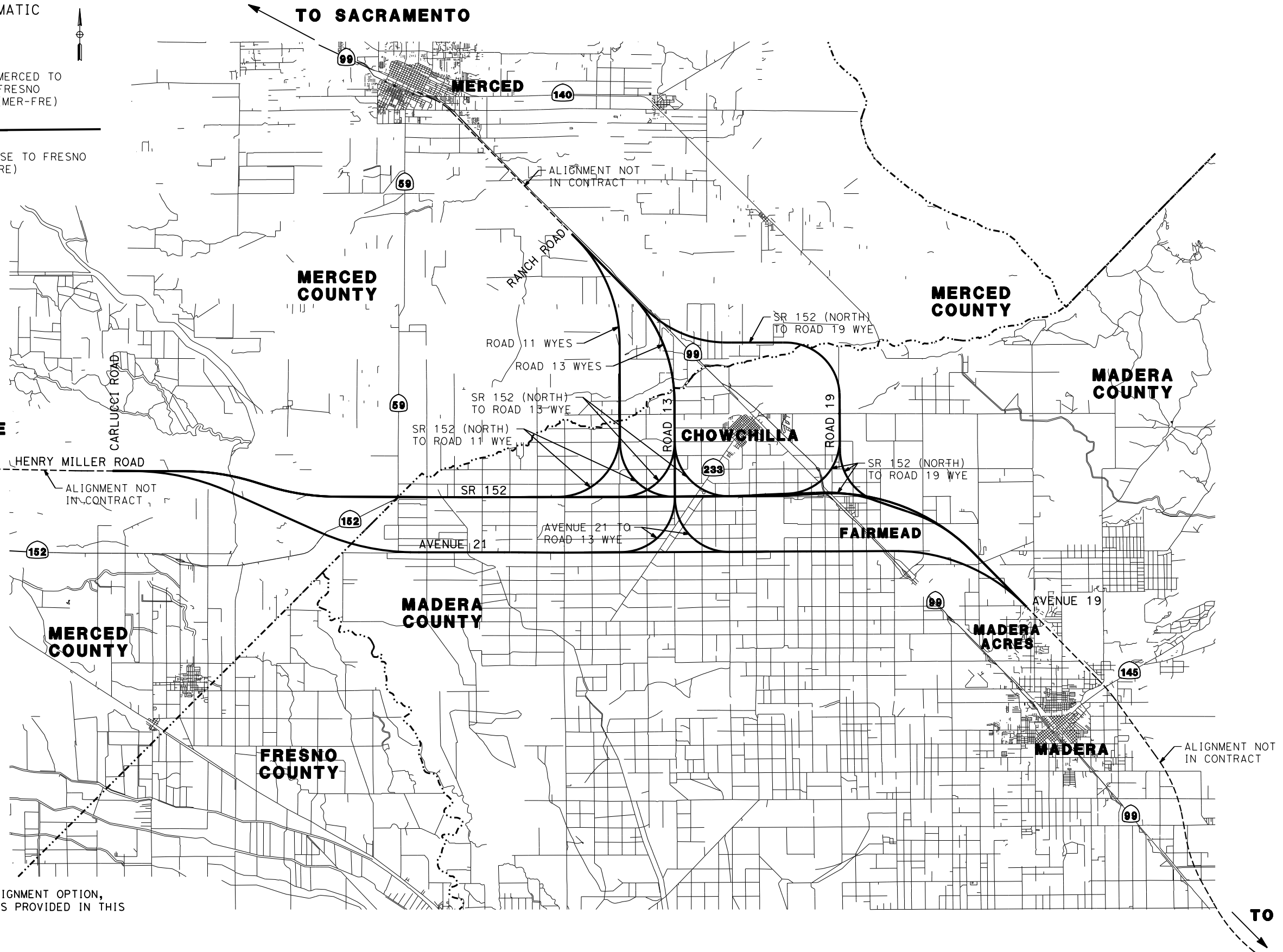
CONTRACT NO. HSR08-05
DRAWING NO. TT-B0012
SCALE NO SCALE
SHEET NO.



TO SAN JOSE

TO SACRAMENTO

TO FRESNO



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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



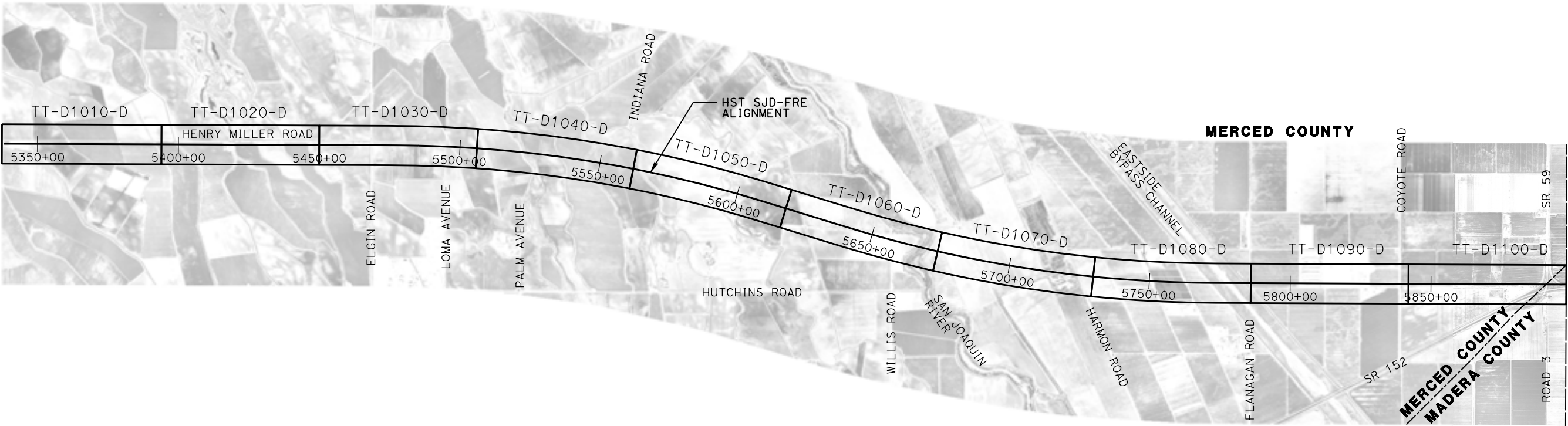
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

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

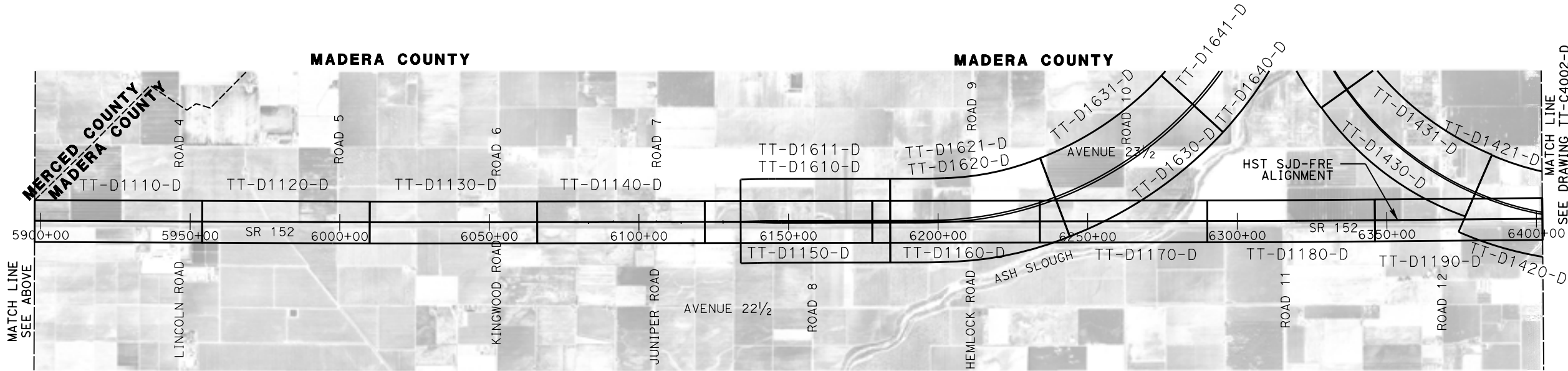
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MERCED COUNTY

SEE SAN JOSE TO CENTRAL VALLEY WYE
SECTION FOR CONTINUATION



MADERA COUNTY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

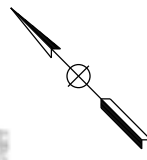
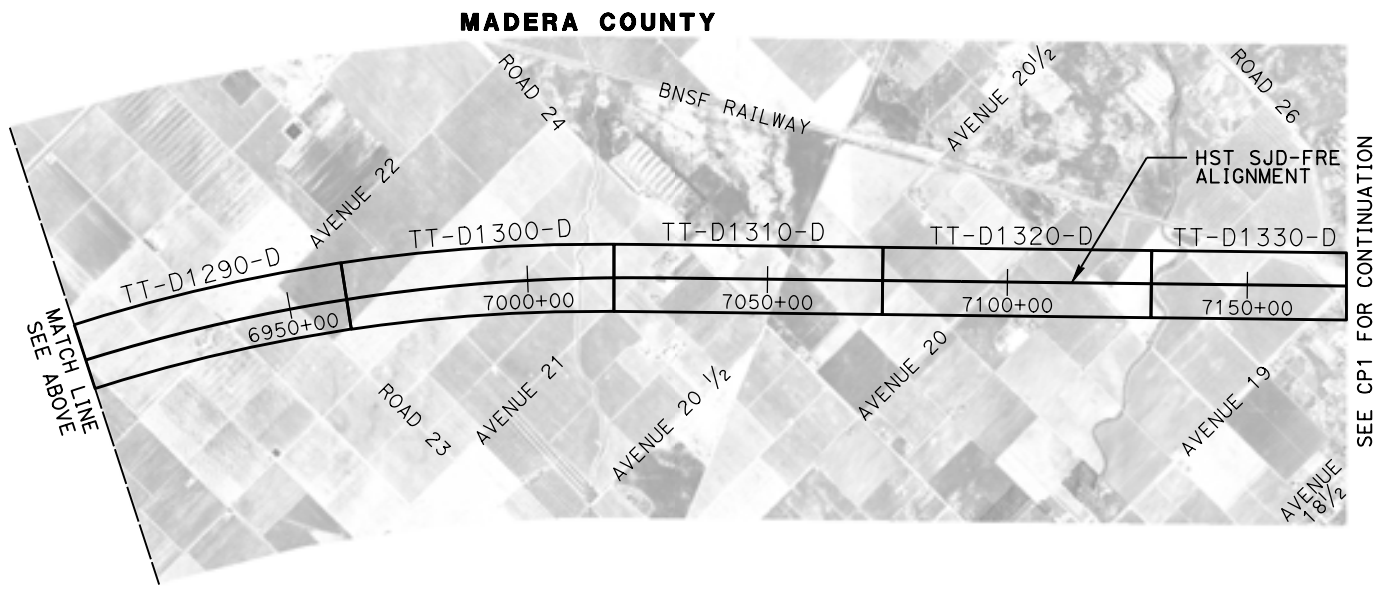
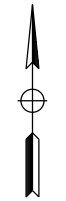
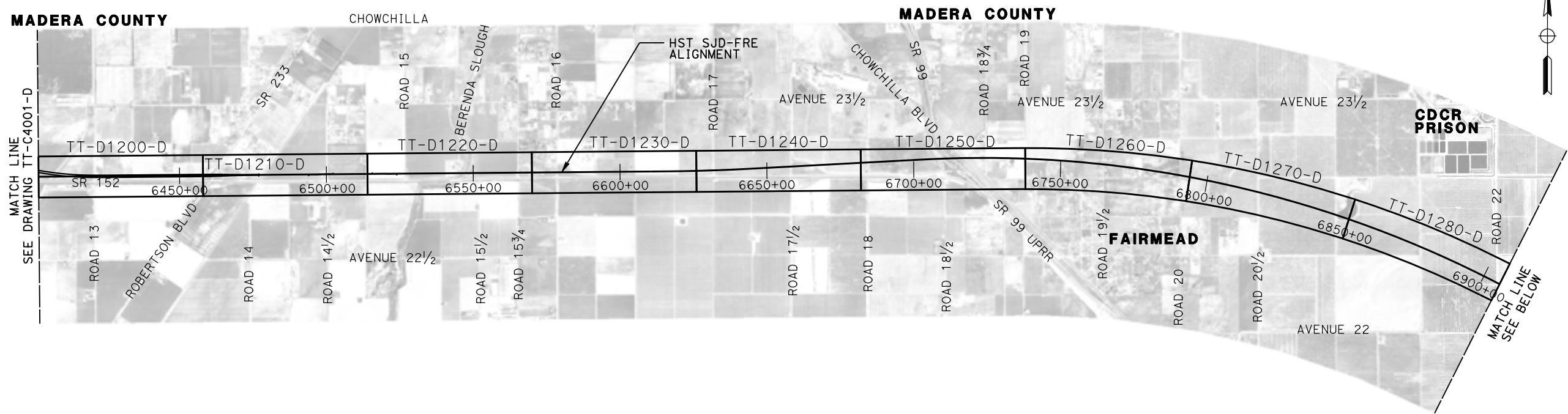
RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 3

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



p0042226 15-AUG-2016 01:31 MF-TT-C4002-D.dgn

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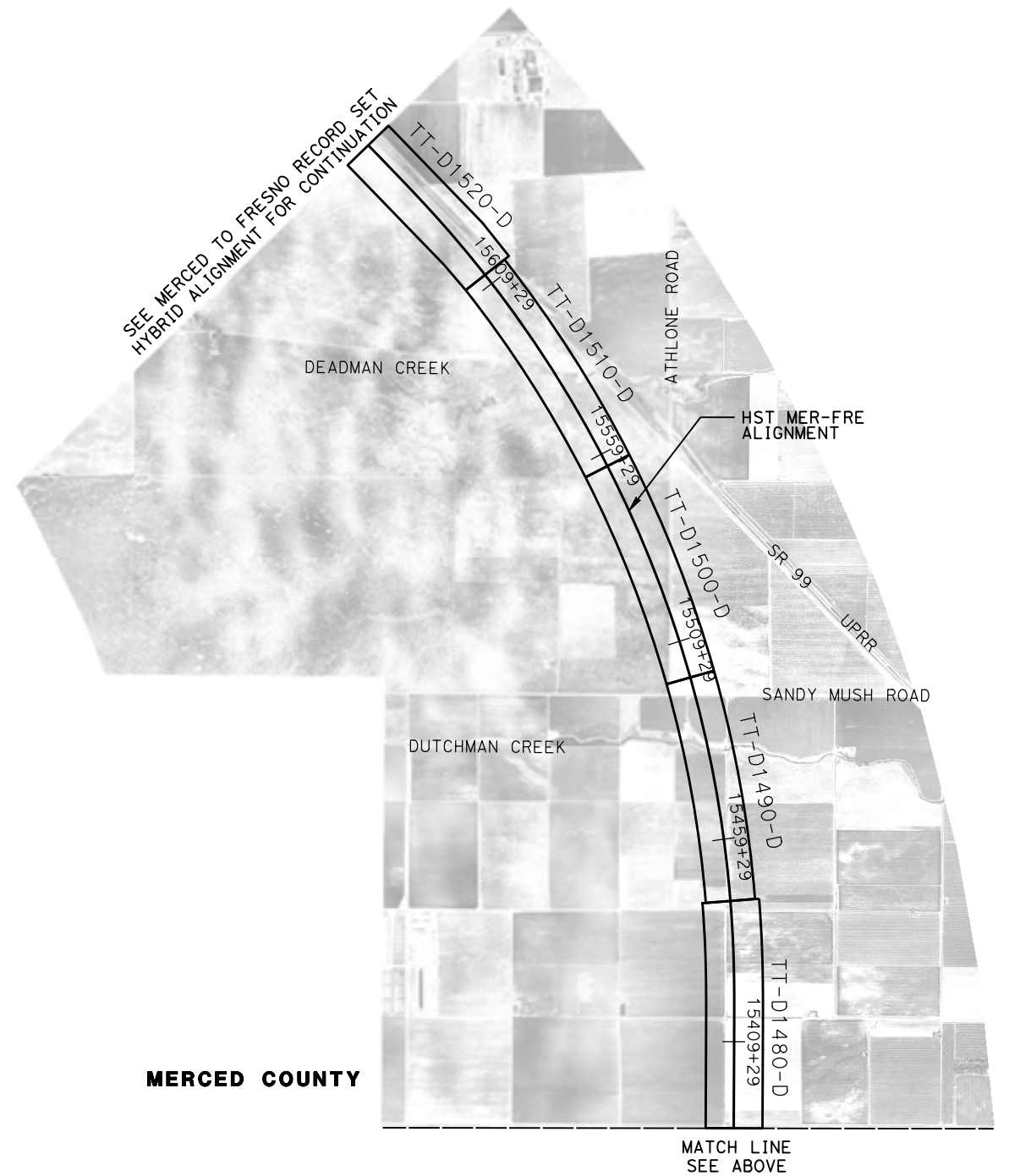
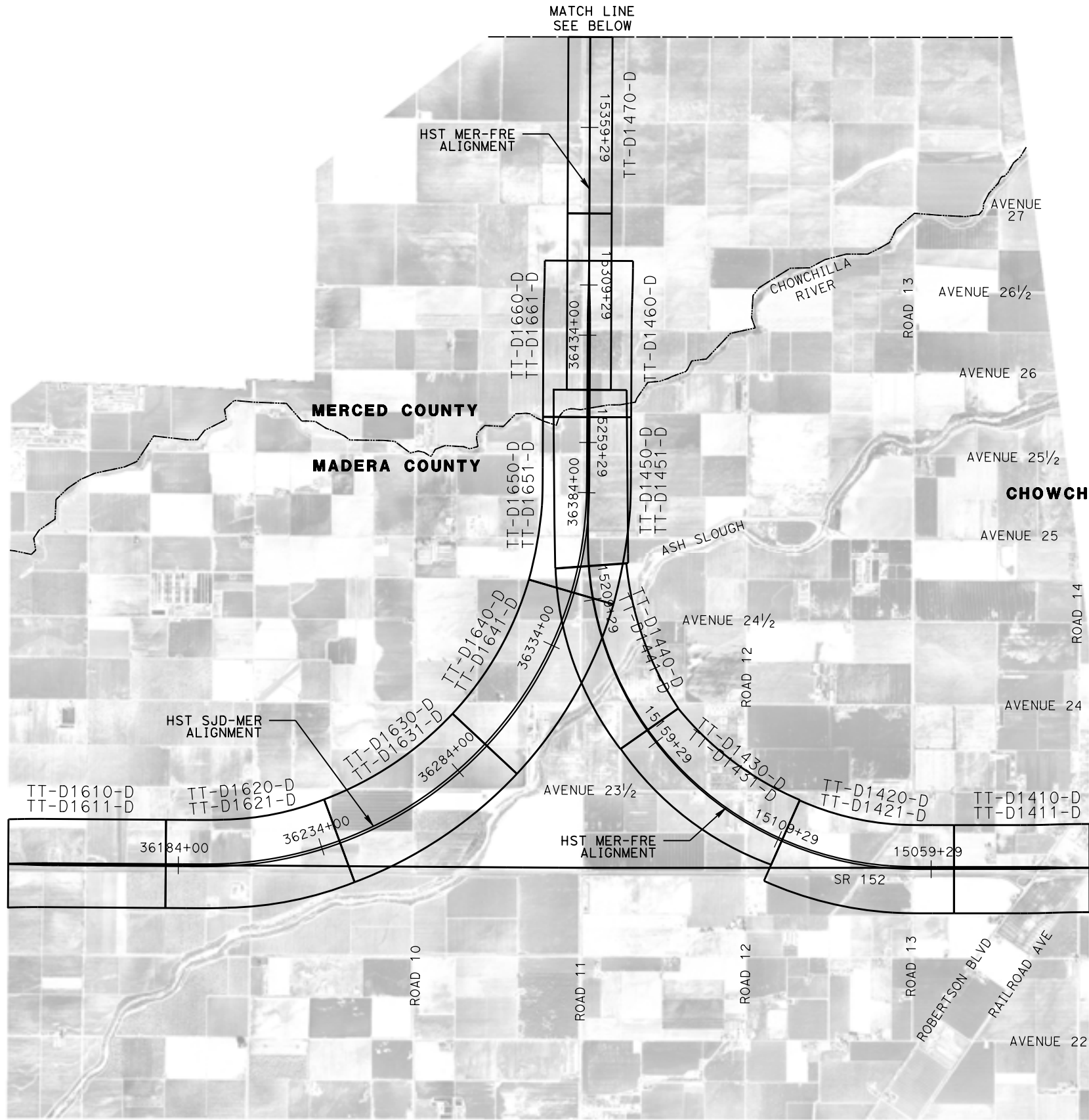


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 3

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

p0042226 15-AUG-2016 01:31 MF-TT-C4003-D.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 08/12/2016

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 3 OF 3

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

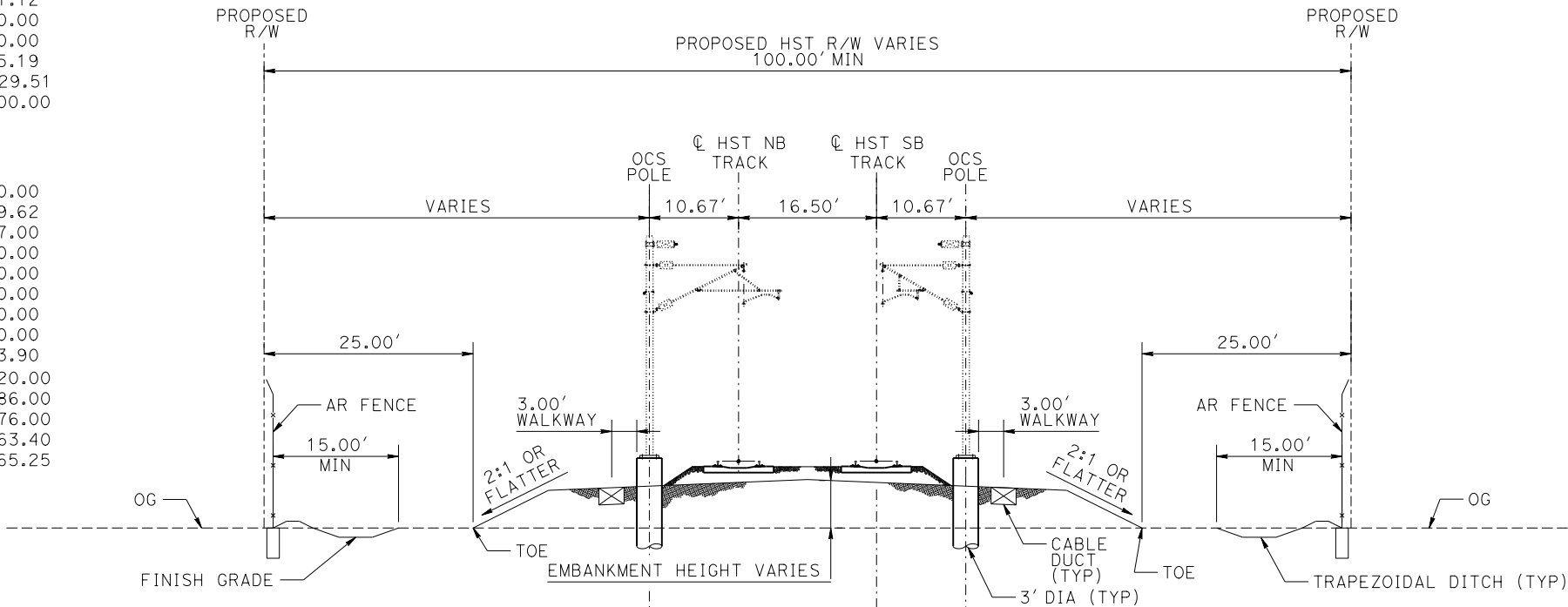
SECTION A-A

TANGENT

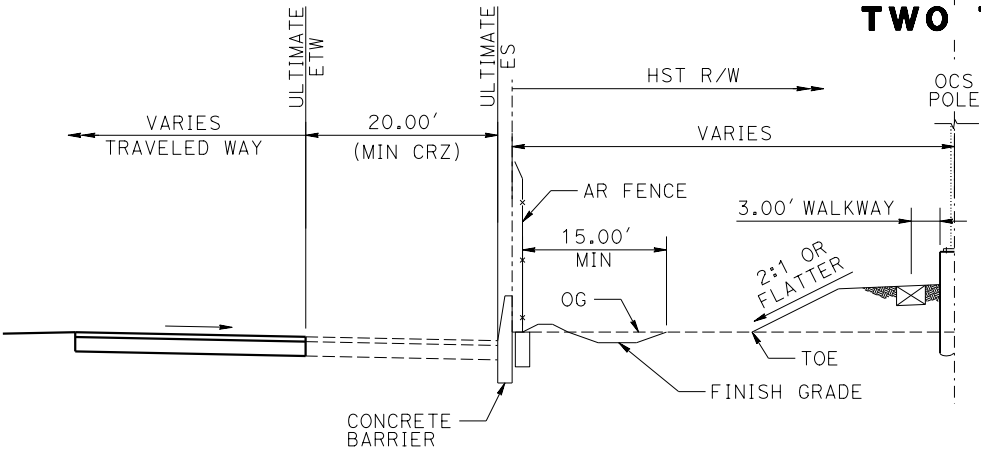
STATION SJD-FRE 5338+00.00 TO 5468+71.32
STATION SJD-FRE 5617+79.62 TO 5632+51.12
STATION SJD-FRE 5785+40.00 TO 5900+00.00
STATION SJD-FRE 7034+33.90 TO 7129+50.00
STATION SJD-FRE 7131+90.00 TO 7171+85.19
STATION MER-FRE 15317+00.00 TO 15407+29.51
STATION MER-FRE 15628+65.25 TO 15655+00.00

SUPERELEVATED

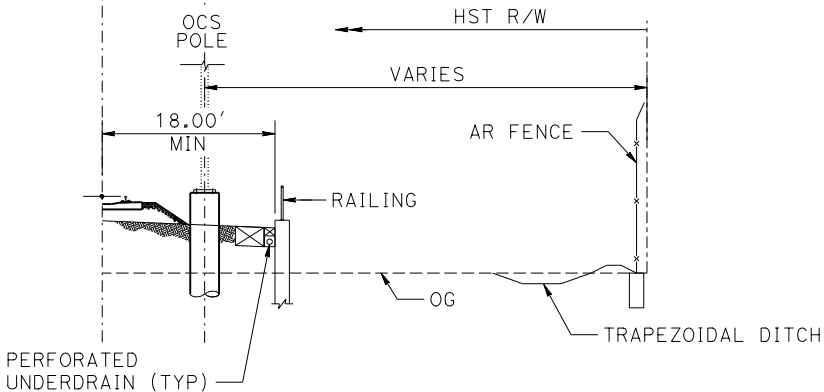
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STATION SJD-FRE 5596+90.00 TO 5617+79.62
STATION SJD-FRE 5632+51.12 TO 5656+47.00
STATION SJD-FRE 5657+77.00 TO 5664+90.00
STATION SJD-FRE 5672+70.00 TO 5683+30.00
STATION SJD-FRE 5689+20.00 TO 5723+00.00
STATION SJD-FRE 5725+40.00 TO 5769+80.00
STATION SJD-FRE 6725+88.00 TO 7009+60.00
STATION SJD-FRE 7012+40.00 TO 7034+33.90
STATION MER-FRE 15407+29.51 TO 15480+20.00
STATION MER-FRE 15484+40.00 TO 15494+86.00
STATION MER-FRE 15496+01.00 TO 15575+76.00
STATION MER-FRE 15578+75.97 TO 15581+63.40
STATION MER-FRE 15585+83.33 TO 15653+65.25



SECTION A-A
TWO TRACKS ON EMBANKMENT



SUBSECTION A-A
HST ADJACENT TO ROADWAY
WITH 20' 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.
3. 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 CUT AND FILL BEYOND 30' (NOT SHOWN).
10. SEE TM 2.8.2-B AND TM 2.8.2-C FOR ACCESS RESTRICTION FENCING DETAILS.
11. CENTER SWALE IS REMOVED IF DISTANCE BETWEEN TRACKS IS LESS THAN 34'.
12. FOR LOCATIONS WHERE 52' MINIMUM SEPARATION BETWEEN HIGHWAY'S ETW AND THE HST FENCE IS NOT ACHIEVABLE, A CONCRETE BARRIER WILL BE PROVIDED.
13. TYPICAL TOP OF SUBBALLAST GRADING SLOPES AT 24:1 TOWARDS DRAINAGE DITCH, UNDERDRAIN OR SWALE.

MF-TT-B0020-D.dgn

15-AUG-2016 8:59

p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 11

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

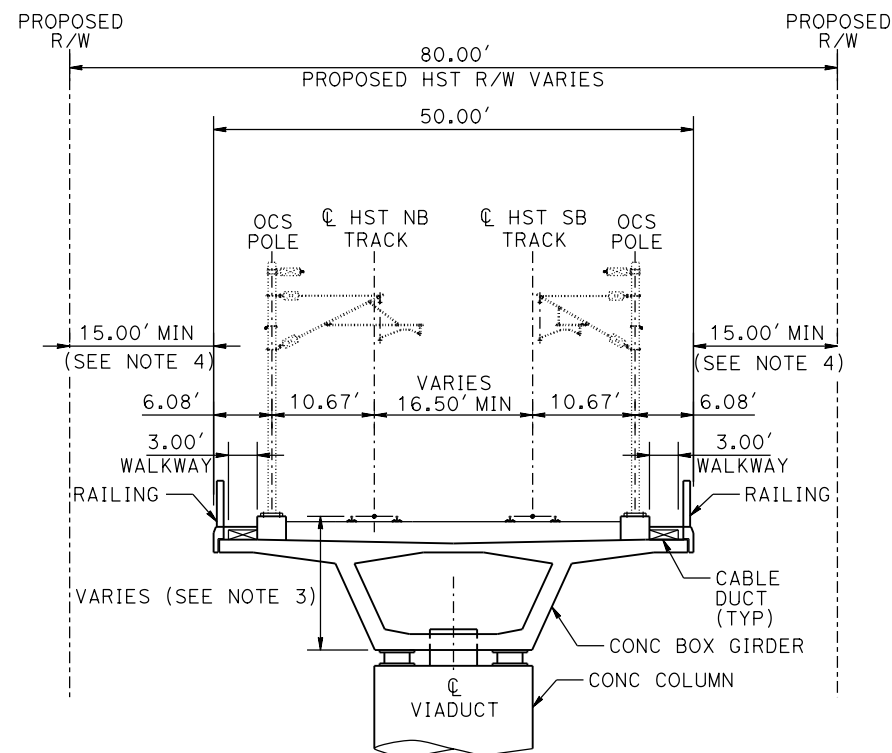
SECTION B-B

TANGENT

STATION SJD-FRE 5780+48.37 TO 5785+40.00
STATION SJD-FRE 6274+38.00 TO 6284+08.00
STATION SJD-FRE 6367+54.00 TO 6368+84.00
STATION SJD-FRE 6543+40.00 TO 6549+90.00
STATION SJD-FRE 6577+38.00 TO 6579+48.00
STATION SJD-FRE 7129+50.00 TO 7131+90.00

SUPERELEVATED

STATION SJD-FRE 5595+90.00 TO 5596+90.00
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+48.37
STATION SJD-FRE 6703+83.00 TO 6725+88.00
STATION SJD-FRE 7009+60.00 TO 7012+40.00
STATION MER-FRE 15480+20.00 TO 15484+40.00
STATION MER-FRE 15494+86.00 TO 15496+01.00
STATION MER-FRE 15575+76.00 TO 15578+75.97
STATION MER-FRE 15581+63.40 TO 15585+83.33



NOTE:

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

SECTION B-B
TWO TRACKS ON AERIAL STRUCTURE

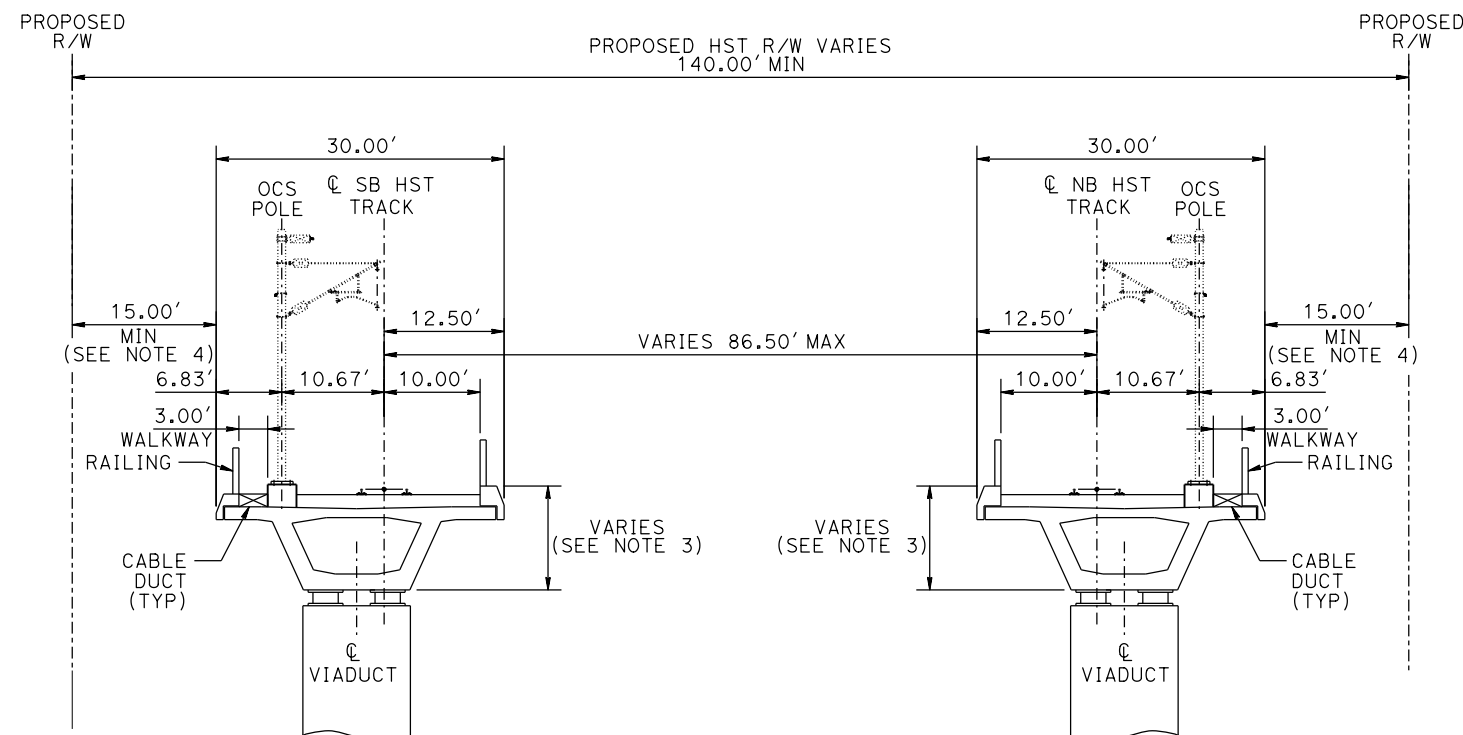
SECTION C-C

TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36357+60.00 TO 36360+00.00
STATION MER-FRE 15119+86.42 TO 15122+27.72
STATION MER-FRE 15136+63.00 TO 15138+40.76
STATION MER-FRE 15181+68.33 TO 15187+26.00



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

DESIGNED BY
J. PEREZ
DRAWN BY
J. MARTINE
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 2 OF 11

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

TANGENT

SUPERELEVATED
N/A



TANGENT

SUPERELEVATED

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



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY	N. OUM
IN CHARGE	C. LEMLEY
DATE	08/12/2016

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15-AUG-2016 10:27 MF-TT-B0023-D.dgn

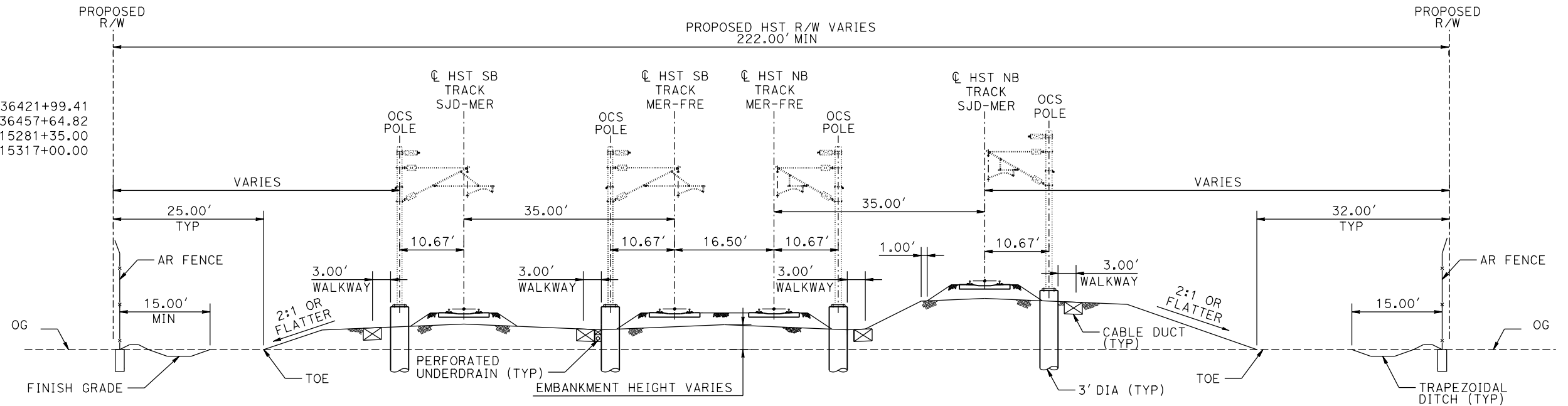
SECTION F-F

TANGENT

STATION SJD-MER 36411+41.00 TO 36421+99.41
STATION SJD-MER 36423+19.41 TO 36457+64.82
STATION MER-FRE 15270+76.50 TO 15281+35.00
STATION MER-FRE 15282+55.00 TO 15317+00.00

SUPERELEVATED

N/A



SECTION F-F FOUR TRACKS AT GRADE

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

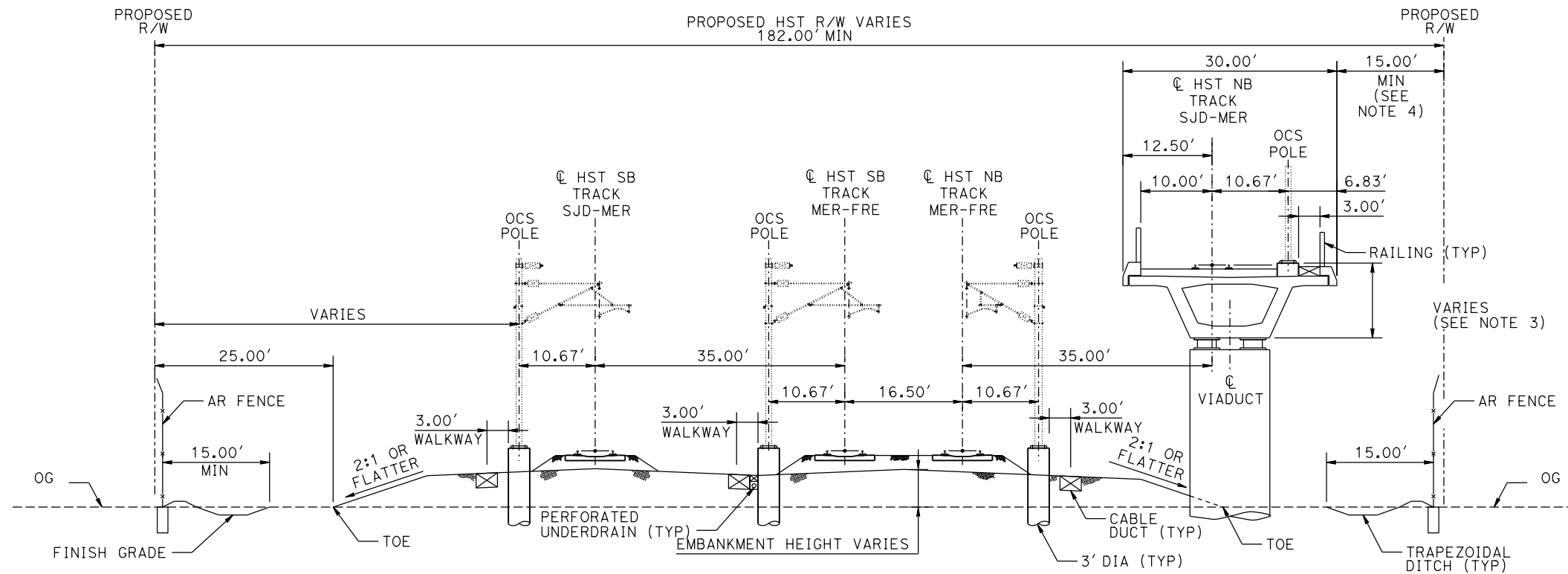
SECTION G-G

TANGENT

STATION SJD-MER 36393+05.30 TO 36407+81.00
STATION MER-FRE 15237+89.82 TO 15267+16.50

SUPERELEVATED

STATION SJD-MER 36378+55.66 TO 36393+05.30



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
DATE 08/12/2016

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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 4 OF 11

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

SECTION H-H

TANGENT

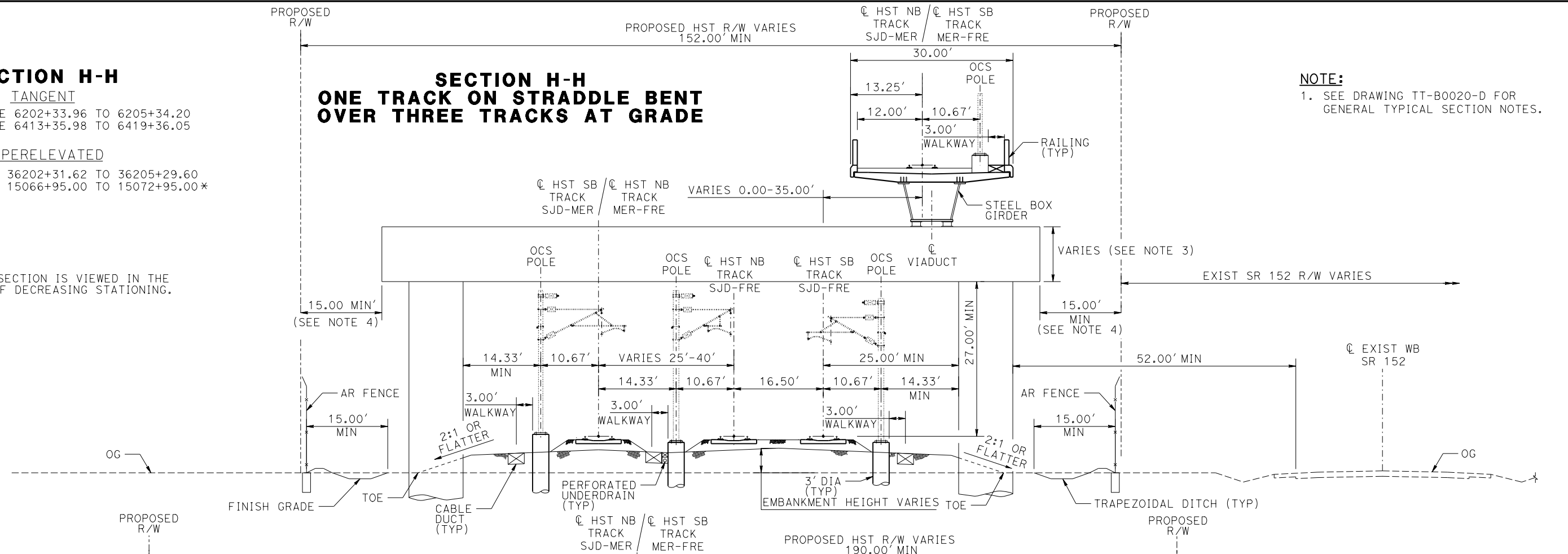
STATION SJD-FRE 6202+33.96 TO 6205+34.20
STATION SJD-FRE 6413+35.98 TO 6419+36.05

SUPERELEVATED

STATION SJD-MER 36202+31.62 TO 36205+29.60
STATION MER-FRE 15066+95.00 TO 15072+95.00*

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

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



NOTE:

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

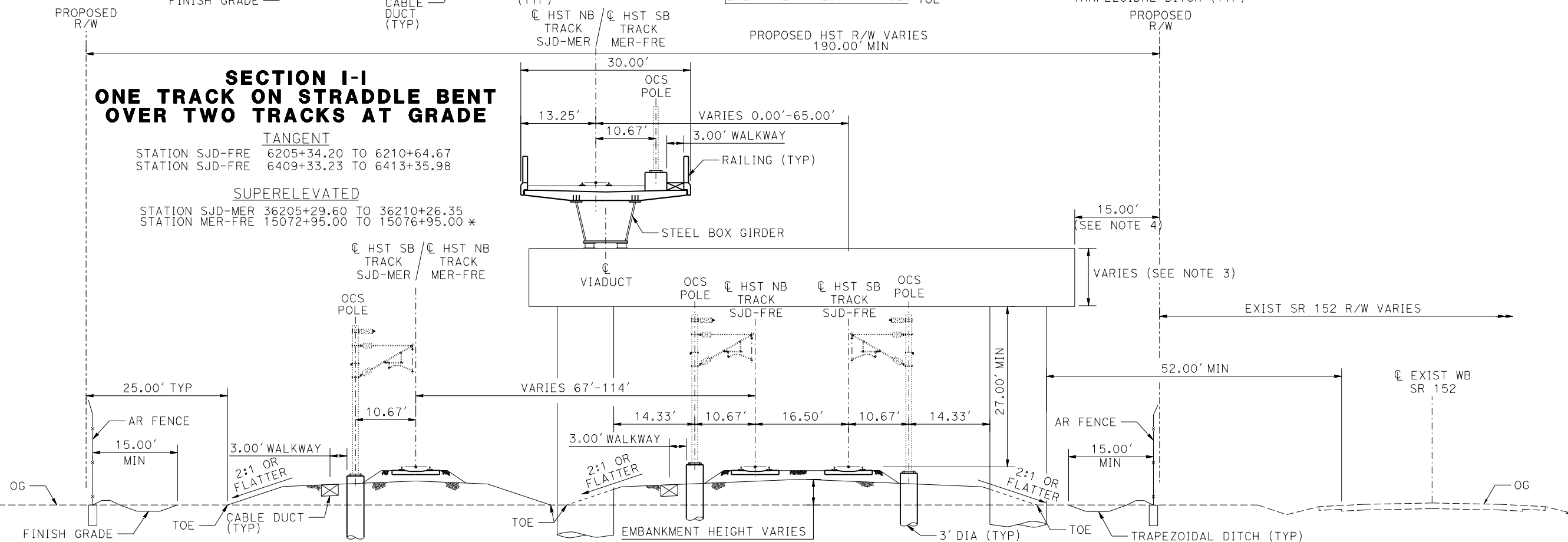
SECTION I-I ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

TANGENT

STATION SJD-FRE 6205+34.20 TO 6210+64.67
STATION SJD-FRE 6409+33.23 TO 6413+35.98

SUPERELEVATED

STATION SJD-MER 36205+29.60 TO 36210+26.35
STATION MER-FRE 15072+95.00 TO 15076+95.00 *



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J. MARTINE
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IN CHARGE
C. LEMLEY
DATE
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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 5 OF 11

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

TANGENT

STATION MER-FRE 15235+37.66 TO 15237+89.82

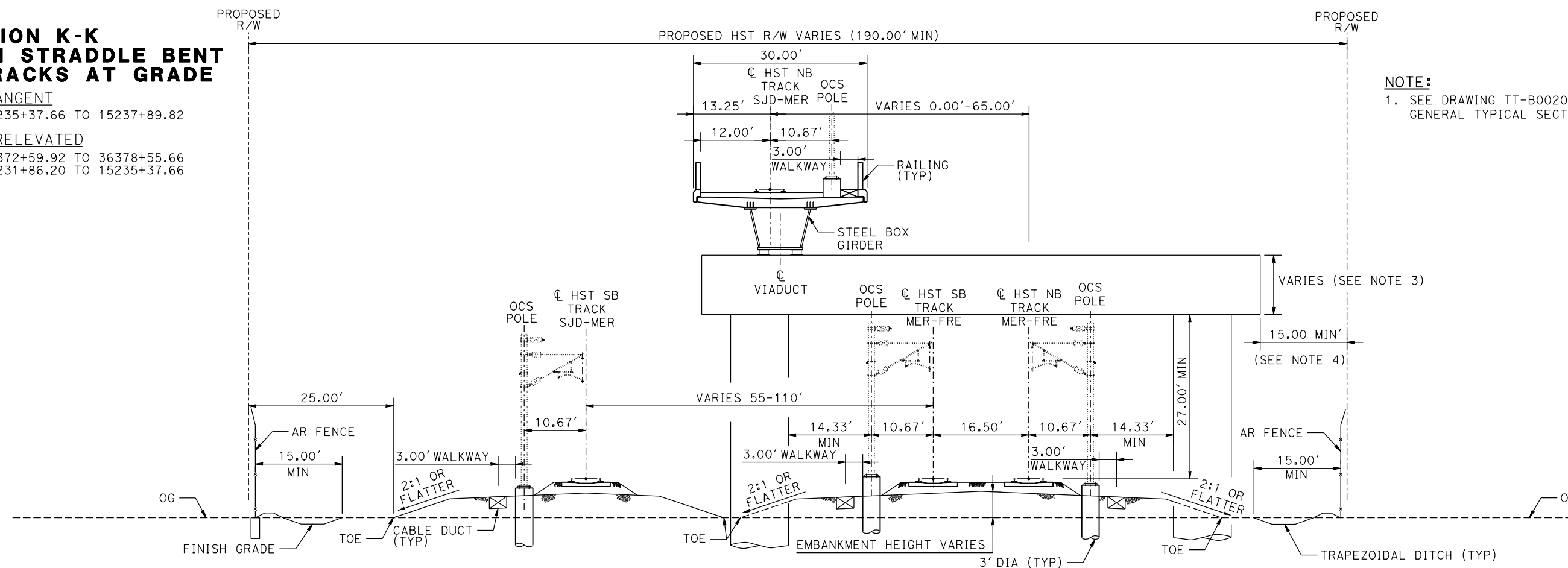
SUPERELEVATED

STATION SJD-MER 36372+59.92 TO 36378+55.66
STATION MER-FRE 15231+86.20 TO 15235+37.66

STATION MER-FRE 15235+37.66 TO 15237+89.82

STATION SJD-MER 36372+59.92 TO 36378+55.66
STATION MER-FRE 15231+86.20 TO 15235+37.66

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



03224000						
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IN CHARGE	C. LEMLEY
DATE	08/12/2016

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 6 OF 11

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

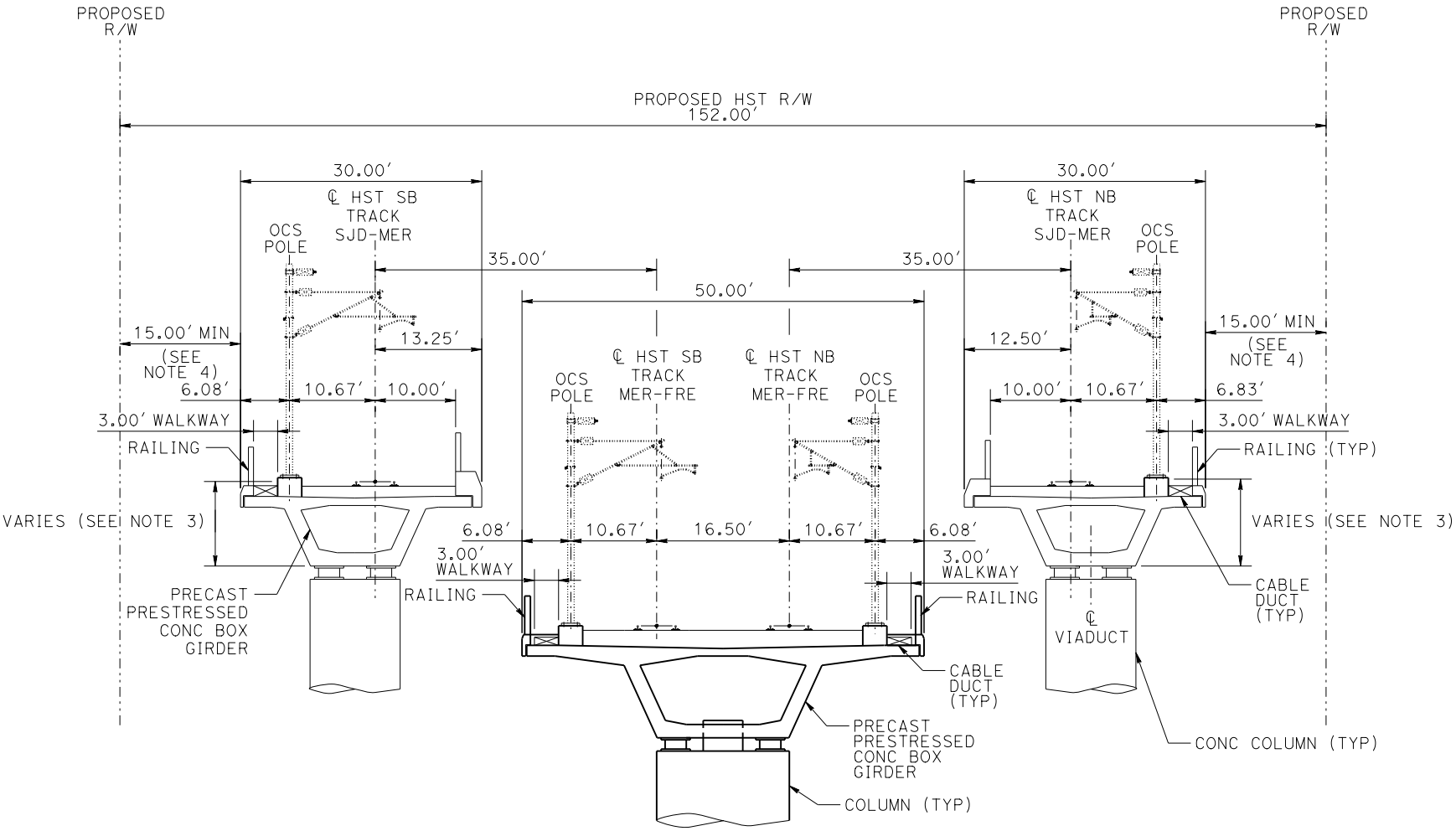
NOTE:
1. SEE DRAWING TT-B0020-D FOR
GENERAL TYPICAL SECTION NOTES.

SECTION L-L

TANGENT

STATION SJD-MER 36407+81.00 TO 36411+41.00
STATION MER-FRE 15267+16.50 TO 15270+76.50

SUPERELEVATED
N/A



SECTION L-L
FOUR TRACKS ON THREE AERIAL STRUCTURES

15-AUG-2016 9:00 MF-TT-B0026-D.dgn

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 7 OF 11

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

SECTION M-M

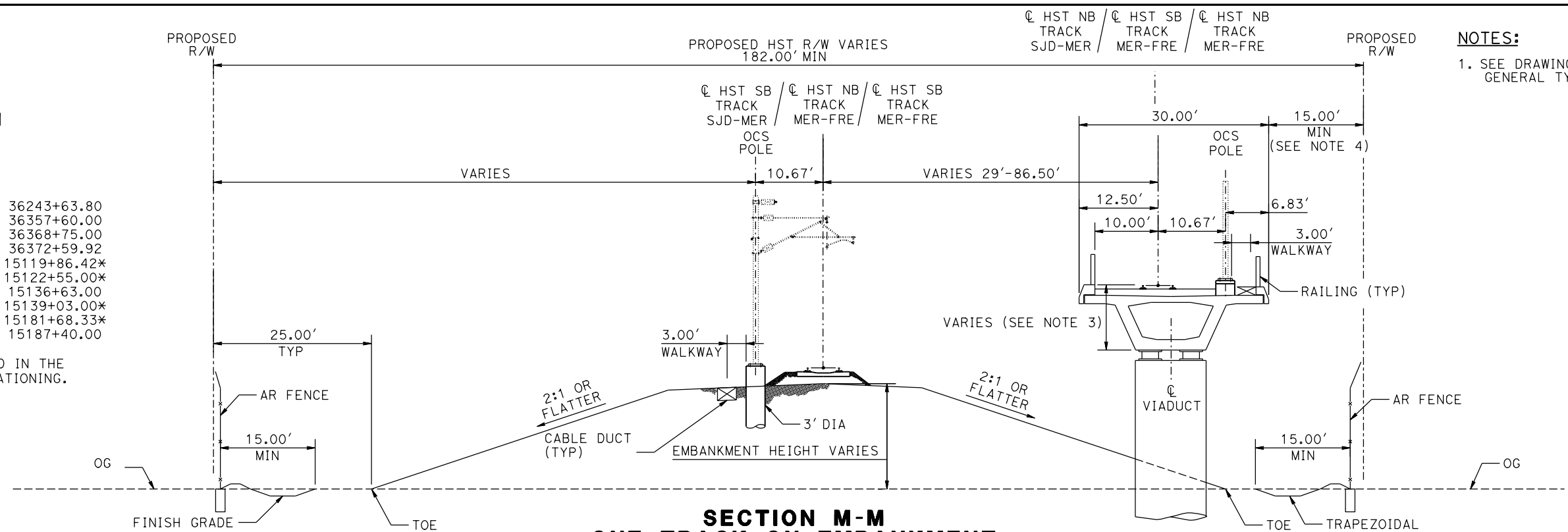
TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36211+69.10 TO 36243+63.80
STATION SJD-MER 36328+71.39 TO 36357+60.00
STATION SJD-MER 36360+00.00 TO 36368+75.00
STATION SJD-MER 36370+75.00 TO 36372+59.92
STATION MER-FRE 15076+95.00 TO 15119+86.42*
STATION MER-FRE 15122+27.72 TO 15122+55.00*
STATION MER-FRE 15135+99.63 TO 15136+63.00
STATION MER-FRE 15138+40.76 TO 15139+03.00*
STATION MER-FRE 15181+56.00 TO 15181+68.33*
STATION MER-FRE 15187+26.00 TO 15187+40.00

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



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

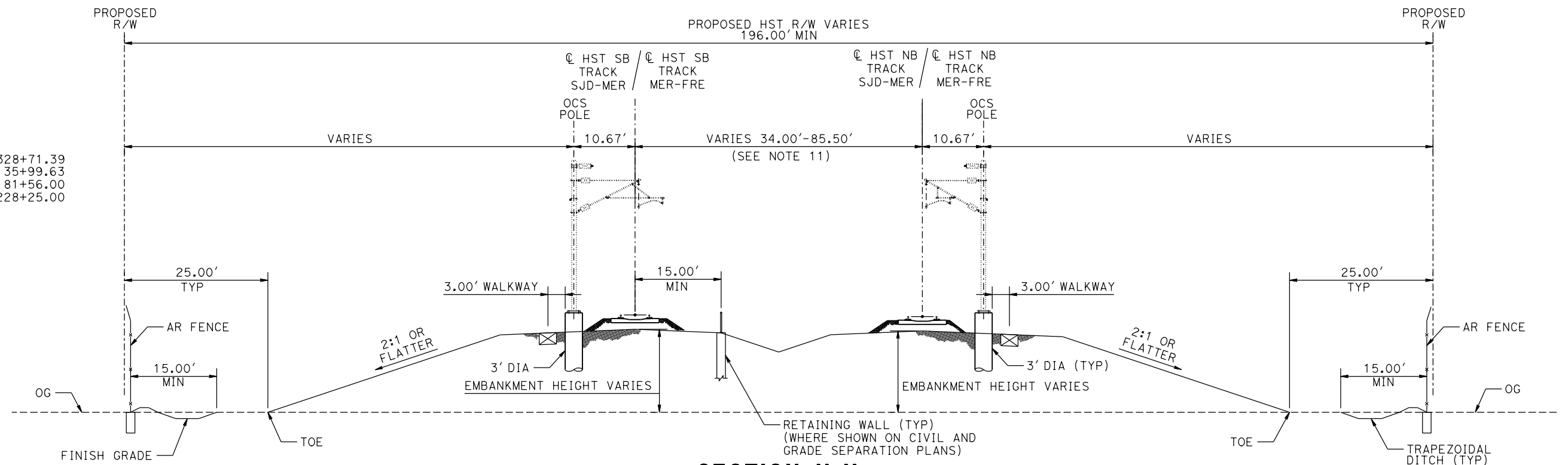
SECTION N-N

TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36243+63.80 TO 36328+71.39
STATION MER-FRE 15122+55.00 TO 15135+99.63
STATION MER-FRE 15139+03.00 TO 15181+56.00
STATION MER-FRE 15187+40.00 TO 15228+25.00



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

NOTES:

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

MF-TT-B0027-D.dgn

15-AUG-2016 01:28

p0042226

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 8 OF 11

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

<u>TANGENT</u>				<u>SUPERELEVATED</u>			
STATION	SJD-FRE	5900+00.00	TO 5997+98.95	STATION	SJD-FRE	5997+98.95	TO 6033+23.35
STATION	SJD-FRE	6033+23.35	TO 6128+15.00	STATION	SJD-FRE	6297+36.32	TO 6331+87.84
STATION	SJD-FRE	6211+84.67	TO 6274+38.00	STATION	SJD-FRE	6610+52.00	TO 6648+90.84
STATION	SJD-FRE	6284+08.00	TO 6297+36.32	STATION	SJD-FRE	6694+91.73	TO 6703+83.00
STATION	SJD-FRE	6331+87.84	TO 6367+54.00				
STATION	SJD-FRE	6368+84.00	TO 6409+33.23				
STATION	SJD-FRE	6477+00.00	TO 6543+40.00				
STATION	SJD-FRE	6549+90.00	TO 6577+38.00				
STATION	SJD-FRE	6579+48.00	TO 6610+52.00				
STATION	SJD-FRE	6648+90.84	TO 6694+91.73				EXIST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	J. PEREZ
DRAWN BY	J. MARTINE
CHECKED BY	N. OUM
IN CHARGE	C. LEMLEY
DATE	08/12/2016

**NOT FOR
CONSTRUCTION**



CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 9 OF 11

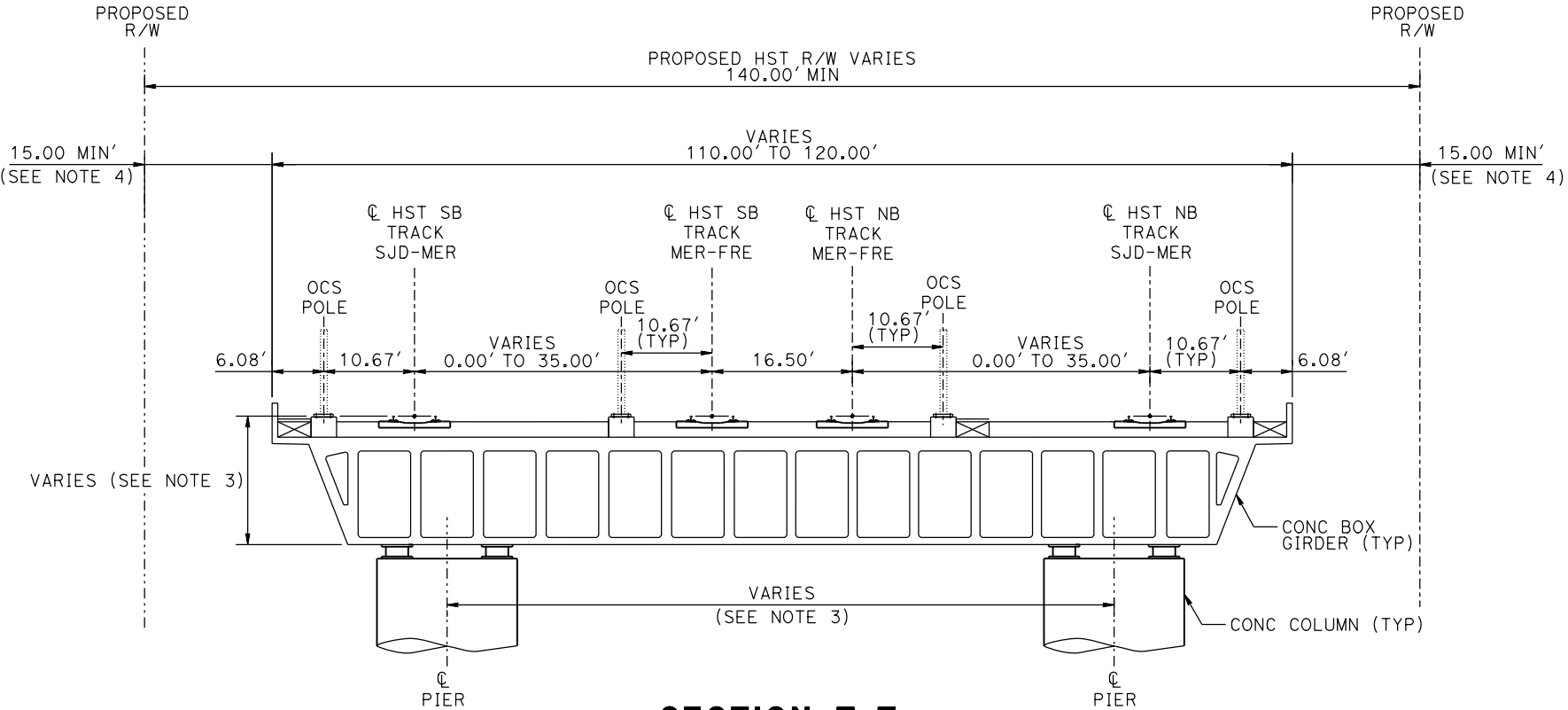
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0028-D
SCALE
N.T.S.
SHEET NO.

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

SECTION T-T
TANGENT

STATION SJD-MER 36421+99.41 TO 36423+19.41
STATION MER-FRE 15281+35.00 TO 15282+55.00

SUPERELEVATED
N/A



SECTION T-T
FOUR TRACKS ON STRUCTURE

15-AUG-2016 01:28 MF-TT-B0029-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
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IN CHARGE C. LEMLEY
DATE 08/12/2016

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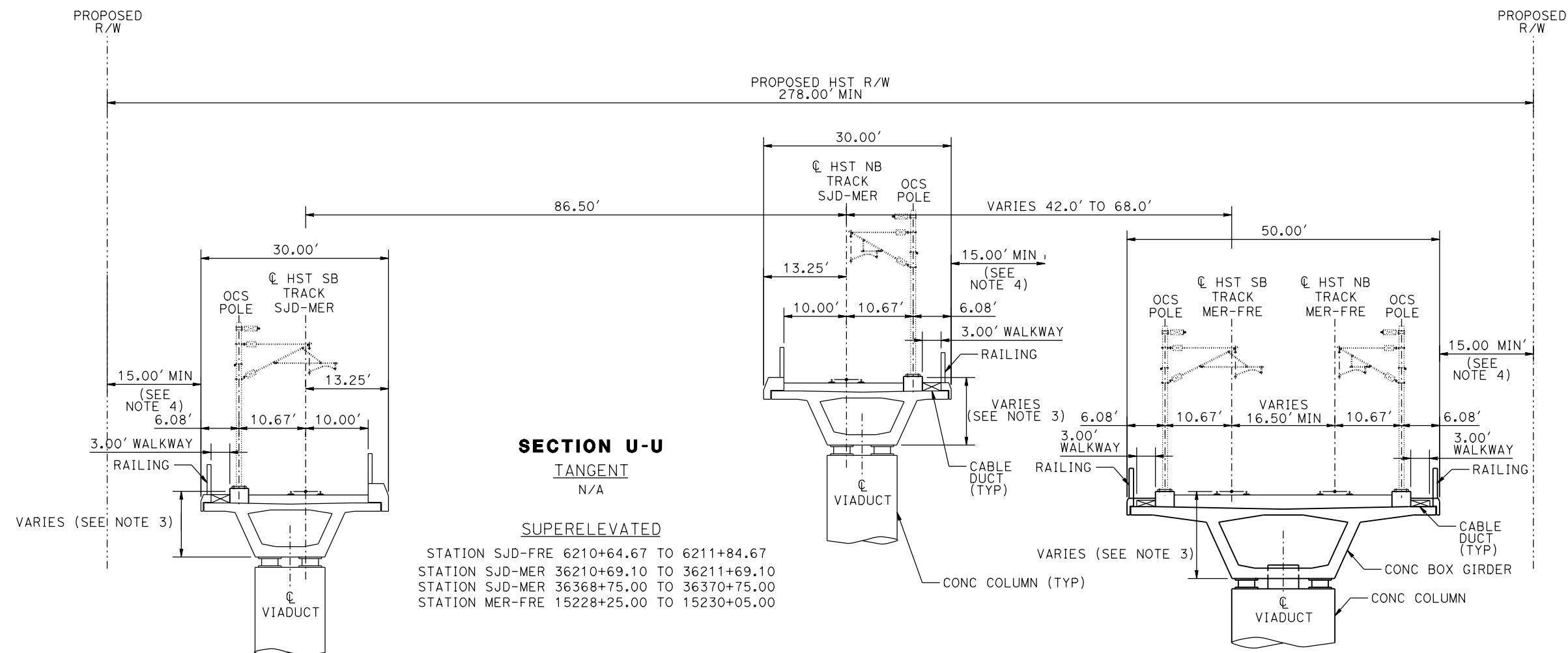
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 10 OF 11

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

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



SECTION U-U
FOUR TRACKS ON THREE STRUCTURES

p0042226 15-AUG-2016 01:28 MF-TT-B0030-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 11 OF 11

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

p0042226 15-AUG-2016 01:29 MF-TT-B0050-D.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 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		13,071.32							S 89°46'01" E		
	Tangent+	TS	5468+71.32	1857997.95	6522177.60											
152 N-11 SJD-FRE 1 SB	Cosine	TS	5468+71.32	1857997.95	6522177.60											
	Cosine	SPI	5480+30.69	1857993.24	6523336.97		1,650.00	1°03'02"	825.00	1.43					S 89°46'01" E	S 88°43'00" E
	Cosine	SC	5485+21.32	1857982.25	6523827.50											
	Arc	SC	5485+21.32	1857982.25	6523827.50											
	Arc	PI	5543+57.87	1857851.52	6529662.59	45,000.00	11,608.30	14°46'49"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E
	Arc	CC		1812993.54	6522819.57											
	Arc	CS	5601+29.62	1856236.52	6535271.26											
	Cosine	CS	5601+29.62	1856236.52	6535271.26											
	Cosine	SPI	5606+20.28	1856100.75	6535742.75		1,650.00	1°03'02"	825.00	1.43					S 73°56'11" E	S 72°53'10" E
	Cosine	ST	5617+79.62	1855759.58	6536850.80											
	Tangent+	ST	5617+79.62	1855759.58	6536850.80		1,471.50							S 72°53'10" E		
	Tangent+	TS	5632+51.12	1855326.56	6538257.13											
152 N-11 SJD-FRE 2 SB	Cosine	TS	5632+51.12	1855326.56	6538257.13											
	Cosine	SPI	5643+40.23	1855006.06	6539298.02		1,550.00	0°59'11"	775.00	1.26					S 72°53'10" E	S 73°52'21" E
	Cosine	SC	5648+01.12	1854878.03	6539740.80											
	Arc	SC	5648+01.12	1854878.03	6539740.80											
	Arc	PI	5706+82.88	1853244.21	6545391.08	45,016.50	11,697.26	14°53'17"			250	3.75	1.80		S 73°52'21" E	S 88°45'37" E
	Arc	CC		1898122.92	6552245.38											
	Arc	CS	5764+98.37	1853116.96	6551271.47											
	Cosine	CS	5764+98.37	1853116.96	6551271.47											
	Cosine	SPI	5769+59.29	1853106.98	6551732.28		1,550.00	0°59'11"	775.00	1.26					S 88°45'37" E	S 89°44'48" E
	Cosine	ST	5780+48.37	1853102.17	6552821.37											
	Tangent+	ST	5780+48.37	1853102.17	6552821.37		21,750.58							S 89°44'48" E		
	Tangent+	TS	5997+98.95	1853006.03	6574571.74											
152 N-11 SJD-FRE 3 SB	Cosine	TS	5997+98.95	1853006.03	6574571.74										S 89°44'48" E	S 89°49'45" E
	Cosine	SPI	6006+06.99	1853002.45	6575379.77		1,150.00	0°04'56"	575.00	0.08						
	Cosine	SC	6009+48.95	1853001.43	6575721.73											
	Arc	SC	6009+48.95	1853001.43	6575721.73											
	Arc	PI	6015+61.15	1852999.61	6576333.93	400,016.50	1,224.40	0°10'31"			250	0.00	0.62		S 89°49'45" E	N 89°59'44" E
	Arc	CC		2253016.16	6576914.92											
	Arc	CS	6021+73.35	1852999.66	6576946.13											
	Cosine	CS	6021+73.35	1852999.66	6576946.13											
	Cosine	SPI	6025+15.31	1852999.68	6577288.09		1,150.00	0°04'56"	575.00	0.08					N 89°59'44" E	N 89°54'47" E
	Cosine	ST	6033+23.35	1853000.91	6578096.13											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 1 OF 7

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

MF-TT-B0051-D.dgn

D0042226 15-AUG-2016 10:29

DESIGNED BY	J. PEREZ
DRAWN BY	J. PEREZ
CHECKED BY	N. OUM
IN CHARGE	C. LEMLEY
DATE	08/12/2016

**NOT FOR
CONSTRUCTION**



SHEET NO.

p0042226 15-AUG-2016 01:29 MF-TT-B0052-D.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 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+	ST	7034+33.90	1841783.20	6674865.30		13,751.29							S 44°31'14" E		
	Tangent+	POE	7171+85.19	1831978.56	6684507.24											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent+	POB	5338+00.00	1858067.61	6509106.46		13,071.32							S 89°46'01" E		
	Tangent+	TS	5468+71.32	1858014.45	6522177.67											
152 N-11 SJD-FRE 1 NB	Cosine	TS	5468+71.32	1858014.45	6522177.67											
	Cosine	SPI	5480+30.69	1858009.74	6523337.04		1,650.00	1°03'00"	825.00	1.43					S 89°46'01" E	S 88°43'01" E
	Cosine	SC	5485+21.32	1857998.75	6523827.57											
	Arc	SC	5485+21.32	1857998.75	6523827.57											
	Arc	PI	5543+60.32	1857868.01	6529665.11	45,016.50	11,613.16	14°46'51"			250	3.75	1.80		S 88°43'01" E	S 73°56'10" E
	Arc	CC		1812993.54	6522819.57											
	Arc	CS	5601+34.48	1856252.29	6535276.11											
	Cosine	CS	5601+34.48	1856252.29	6535276.11											
	Cosine	SPI	5606+25.14	1856116.52	6535747.61		1,650.00	1°03'00"	825.00	1.43					S 73°56'10" E	S 72°53'10" E
	Cosine	ST	5617+84.48	1855775.35	6536855.65											
	Tangent+	ST	5617+84.48	1855775.35	6536855.65		1,471.50							S 72°53'10" E		
	Tangent+	TS	5632+55.98	1855342.33	6538261.99											
152 N-11 SJD-FRE 2 NB	Cosine	TS	5632+55.98	1855342.33	6538261.99											
	Cosine	SPI	5643+45.09	1855021.83	6539302.88		1,550.00	0°59'12"	775.00	1.26					S 72°53'10" E	S 73°52'22" E
	Cosine	SC	5648+05.98	1854893.80	6539745.65											
	Arc	SC	5648+05.98	1854893.80	6539745.65											
	Arc	PI	5706+85.29	1853260.69	6545393.60	45,000.00	11,692.40	14°53'14"			250	3.75	1.81		S 73°52'22" E	S 88°45'36" E
	Arc	CC		1898122.92	6552245.38											
	Arc	CS	5764+98.38	1853133.46	6551271.54											
	Cosine	CS	5764+98.38	1853133.46	6551271.54											
	Cosine	SPI	5769+59.30	1853123.48	6551732.35		1,550.00	0°59'12"	775.00	1.26					S 88°45'36" E	S 89°44'48" E
	Cosine	ST	5780+48.38	1853118.67	6552821.45											
	Tangent+	ST	5780+48.38	1853118.67	6552821.45		21,750.58							S 89°44'48" E		
	Tangent+	TS	5997+98.96	1853022.53	6574571.81											
152 N-11 SJD-FRE 3 NB	Cosine	TS	5997+98.96	1853022.53	6574571.81										S 89°44'48" E	S 89°49'45" E
	Cosine	SPI	6006+07.00	1853018.95	6575379.84		1,150.00	0°04'57"	575.00	0.08						
	Cosine	SC	6009+48.96	1853017.93	6575721.80											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 3 OF 7

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

p0042226 15-AUG-2016 01:29 MF-TT-B0053-D.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
152 N-11 SJD-FRE 3 NB	Arc	SC	6009+48.96	1853017.93	6575721.80											
	Arc	PI	6015+61.11	1853016.11	6576333.95	400,000.00	1,224.30	0°10'31"			250	0.00	0.63		S 89°49'45" E	N 89°59'44" E
	Arc	CC		2253016.16	6576914.92											
	Arc	CS	6021+73.26	1853016.16	6576946.11											
	Cosine	CS	6021+73.26	1853016.16	6576946.11											
	Cosine	SPI	6025+15.22	1853016.18	6577288.07		1,150.00	0°04'57"	575.00	0.08					N 89°59'44" E	N 89°54'47" E
	Cosine	ST	6033+23.26	1853017.41	6578096.10											
	Tangent+	ST	6033+23.26	1853017.41	6578096.10		26,412.96							N 89°54'47" E		
	Tangent+	TS	6297+36.22	1853057.44	6604509.04											
152 N-11 SJD-FRE 4 NB	Cosine	TS	6297+36.22	1853057.44	6604509.04											
	Cosine	SPI	6305+44.26	1853058.66	6605317.08		1,150.00	0°06'05"	575.00	0.10					N 89°54'47" E	N 89°48'42" E
	Cosine	SC	6308+86.22	1853059.78	6605659.04											
	Arc	SC	6308+86.22	1853059.78	6605659.04											
	Arc	PI	6314+61.93	1853061.67	6606234.74	325,000.00	1,151.41	0°12'11"			250	0.00	0.63		N 89°48'42" E	N 89°36'32" E
	Arc	CC		2178058.03	6604591.51											
	Arc	CS	6320+37.63	1853065.60	6606810.43											
	Cosine	CS	6320+37.63	1853065.60	6606810.43											
	Cosine	SPI	6323+79.59	1853067.94	6607152.38		1,150.00	0°06'05"	575.00	0.10					N 89°36'32" E	N 89°30'27" E
	Cosine	ST	6331+87.63	1853074.89	6607960.39											
	Tangent+	ST	6331+87.63	1853074.89	6607960.39		27,864.16							N 89°30'27" E		
	Tangent+	TS	6610+51.79	1853314.42	6635823.52											
152 N-11 SJD-FRE 5 NB	Cosine	TS	6610+51.79	1853314.42	6635823.52											
	Cosine	SPI	6618+59.83	1853321.37	6636631.53		1,150.00	0°32'57"	575.00	0.52					N 89°30'27" E	N 88°57'30" E
	Cosine	SC	6622+01.79	1853327.59	6636973.44											
	Arc	SC	6622+01.79	1853327.59	6636973.44											
	Arc	PI	6629+70.88	1853341.57	6637742.40	60,000.00	1,538.10	1°28'08"			250	2.75	1.42		N 88°57'30" E	N 87°29'23" E
	Arc	CC		1913317.67	6635882.70											
	Arc	CS	6637+39.89	1853375.25	6638510.76											
	Cosine	CS	6637+39.89	1853375.25	6638510.76											
	Cosine	SPI	6640+81.85	1853390.23	6638852.39		1,150.00	0°32'57"	575.00	0.52					N 87°29'23" E	N 86°56'26" E
	Cosine	ST	6648+89.89	1853433.36	6639659.28											
	0															
	Tangent+	ST	6648+89.89	1853433.36	6639659.28		4,600.89							N 86°56'26" E		
	Tangent+	TS	6694+90.78	1853678.92	6644253.61											
152 N-11 SJD-FRE 6 NB	Cosine	TS	6694+90.78	1853678.92	6644253.61											
	Cosine	SPI	6707+20.43	1853744.55	6645481.51		1,750.00	1°19'07"	874.99	1.91					N 86°56'26" E	N 88°15'33" E
	Cosine	SC	6712+40.78	1853760.36	6646001.67											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

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 11 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 4 OF 7

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

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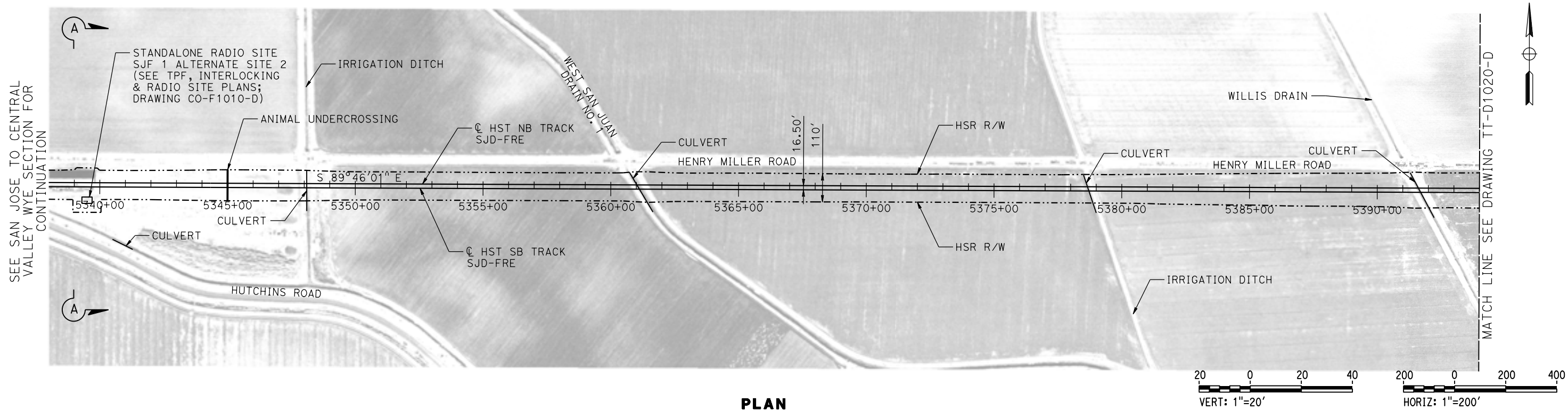
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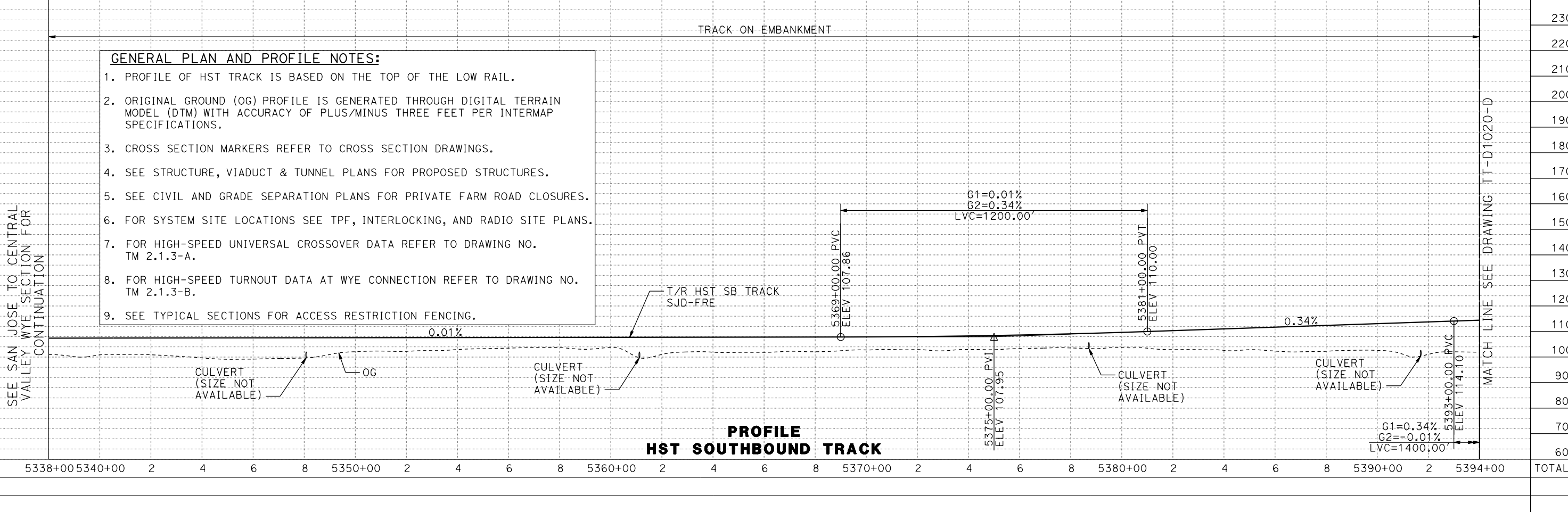
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TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 WYE - NORTHBOUND TRACK MERCED TO FRESNO																	
CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	ST	25028+51.76	1853208.63	6620609.38		2,971.66								N 89°30'27" W		
	TANGENT	TS	25058+23.41	1853183.08	6617637.83												
152 N-11 MER-FRE 1 NB	COSINE	TS	25058+23.41	1853183.08	6617637.83												
	COSINE	SPI	25068+77.62	1853174.02	6616583.67		1,500.00	4°10'19"	749.94	5.17					S 89°30' 27" W	N 86°19'14" W	
	COSINE	SC	25073+23.41	1853202.66	6616138.33												
	ARC	SC	25073+23.41	1853202.66	6616138.33												
	ARC	PI	25162+65.47	1853776.51	6607214.70	10,300.00	14,727.84	81°55'35"				150	5.75	2.99		N 86°19'14" W	N 4°23'39" W
	ARC	CC		1863481.43	6616799.33												
	ARC	CS	25220+51.25	1862692.29	6606529.60												
	COSINE	CS	25220+51.25	1862692.29	6606529.60												
COSINE	SPI	25224+97.51	1863137.23	6606495.41		1,500.00	4°10'19"	749.94	5.17						N 4°23'39" W	N 0°13'19" W	
COSINE	ST	25235+51.25	1864191.43	6606491.33													
	TANGENT	ST	25235+51.25	1864191.43	6606491.33		17,165.48								N 0°13'19" W		
	TANGENT	TS	25407+16.73	1881356.79	6606424.81												
152 N-11 MER-FRE 2 NB	COSINE	TS	25407+16.73	1881356.79	6606424.81												
	COSINE	SPI	25424+73.48	1883113.52	6606418.01		2,500.00	2°30'10"	1,249.96	5.17					N 0°13'19" W	N 2°43'29" W	
	COSINE	SC	25432+16.73	1883856.21	6606382.66												
	ARC	SC	25432+16.73	1883856.21	6606382.66												
	ARC	PI	25534+46.06	1894073.97	6605896.38	28,616.50	19,648.51	39°20'24"				250	5.75	2.99		N 2°43'29" W	N 42°03'54" W
	ARC	CC		1882495.83	6577798.51												
	ARC	CS	25628+65.25	1901668.08	6599043.02												
	COSINE	CS	25628+65.25	1901668.08	6599043.02												
COSINE	SPI	25636+08.77	1902220.07	6598544.87		2,500.00	2°30'10"	1,249.96	5.17						N 42°03'54" W	N 44°34'03" W	
COSINE	ST	25653+65.25	1903471.62	6597312.07													
	TANGENT	ST	25653+65.25	1903471.62	6597312.07		134.76								N 44°34'03" W		
	TANGENT																

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

16-AUG-2016 01:19 MF-TT-D1010-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

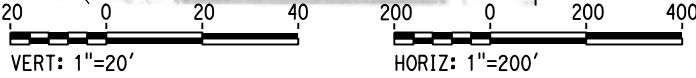
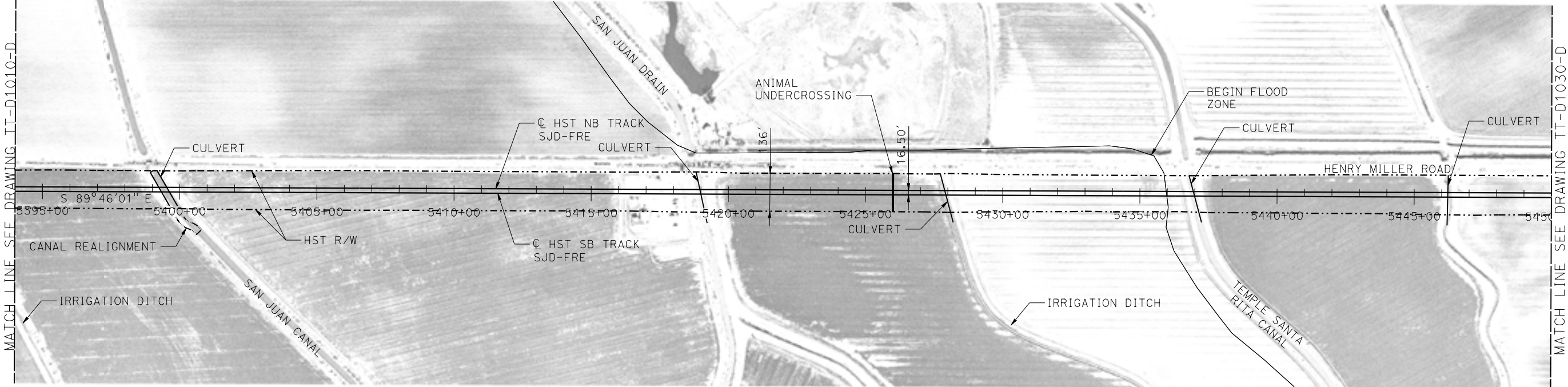
NOT FOR
CONSTRUCTION



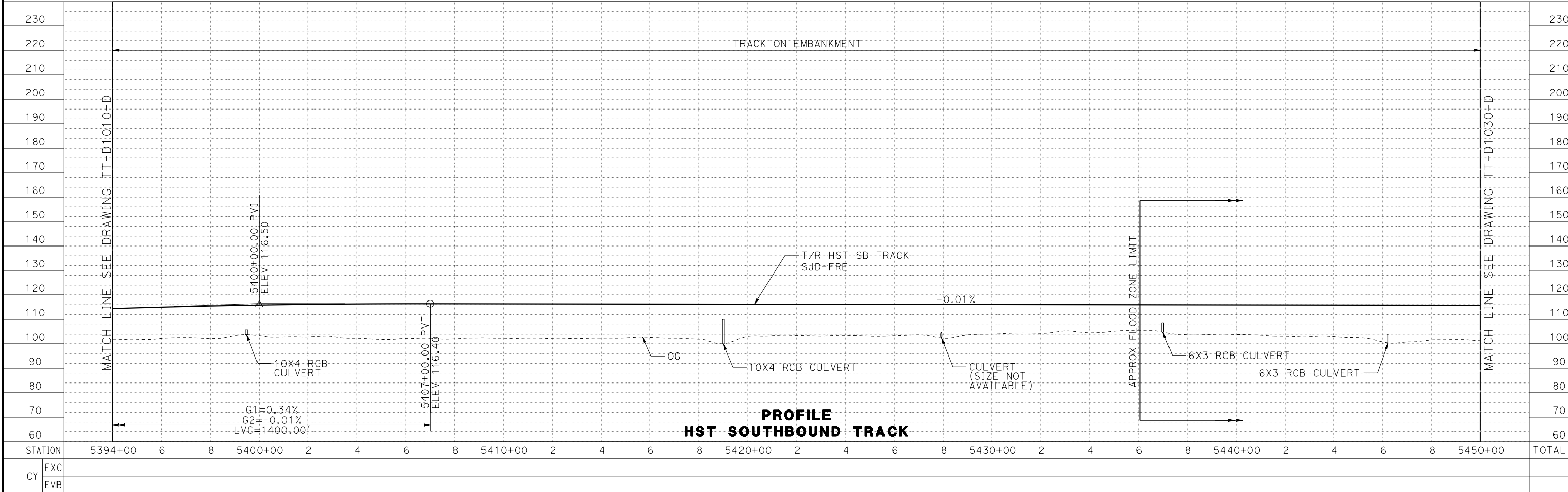
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:04 MF-TT-D1020-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. MARTINE
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

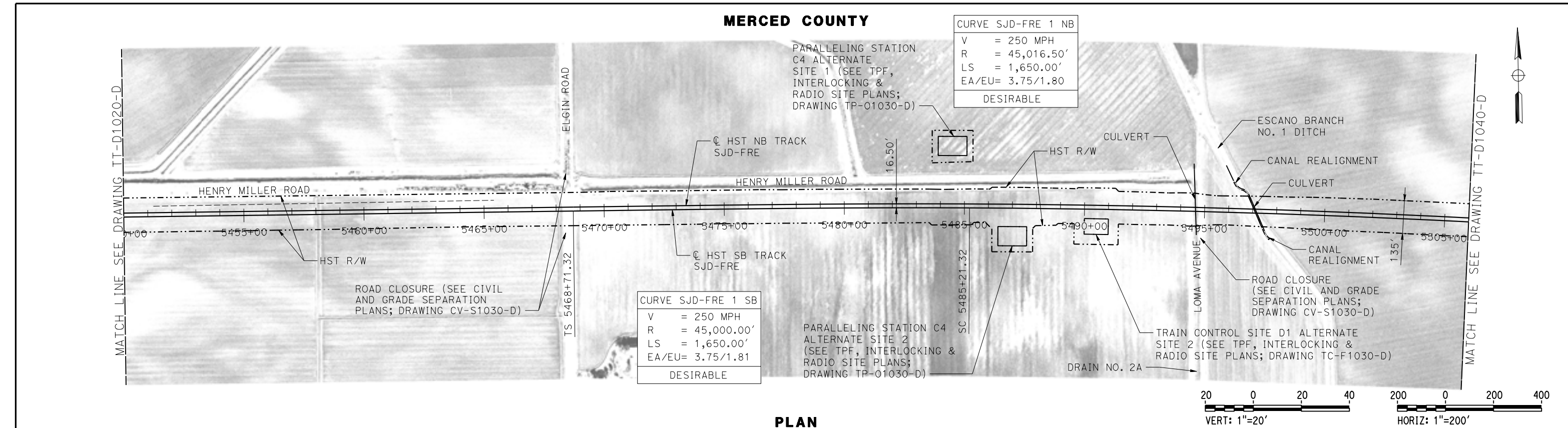
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

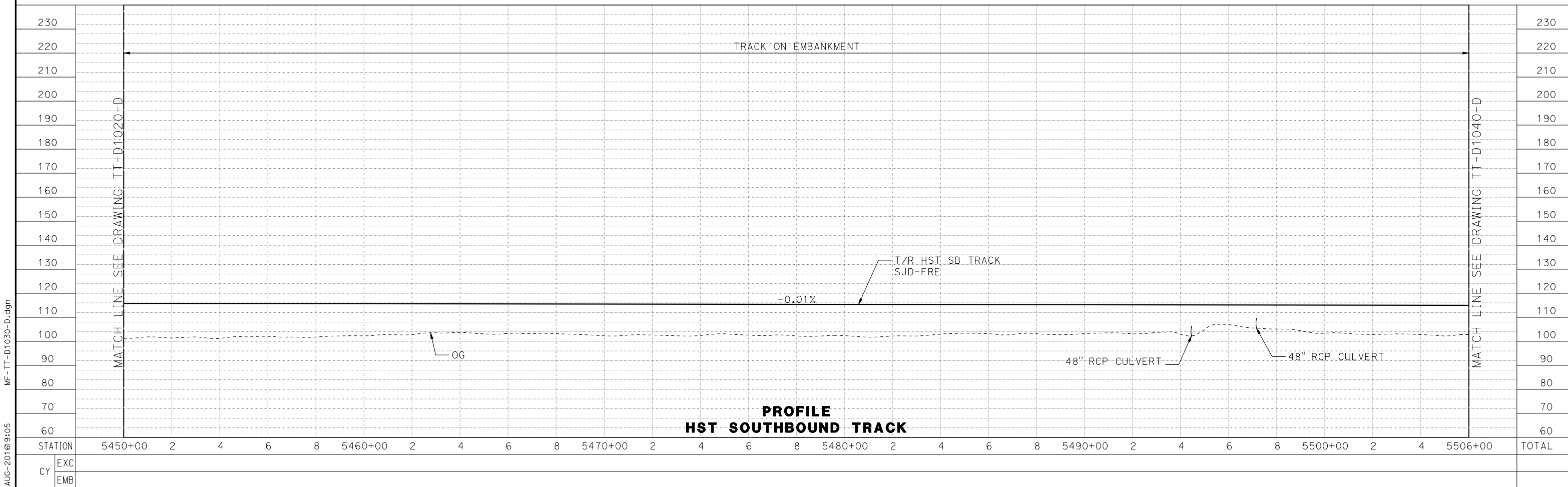


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5394+00 TO 5450+00

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

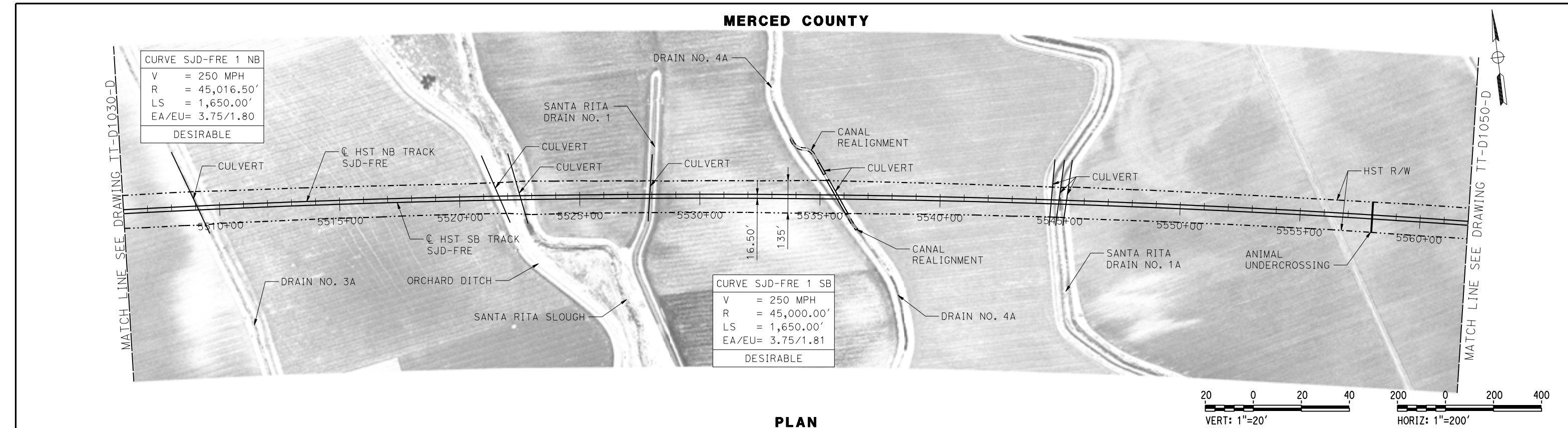


PLAN

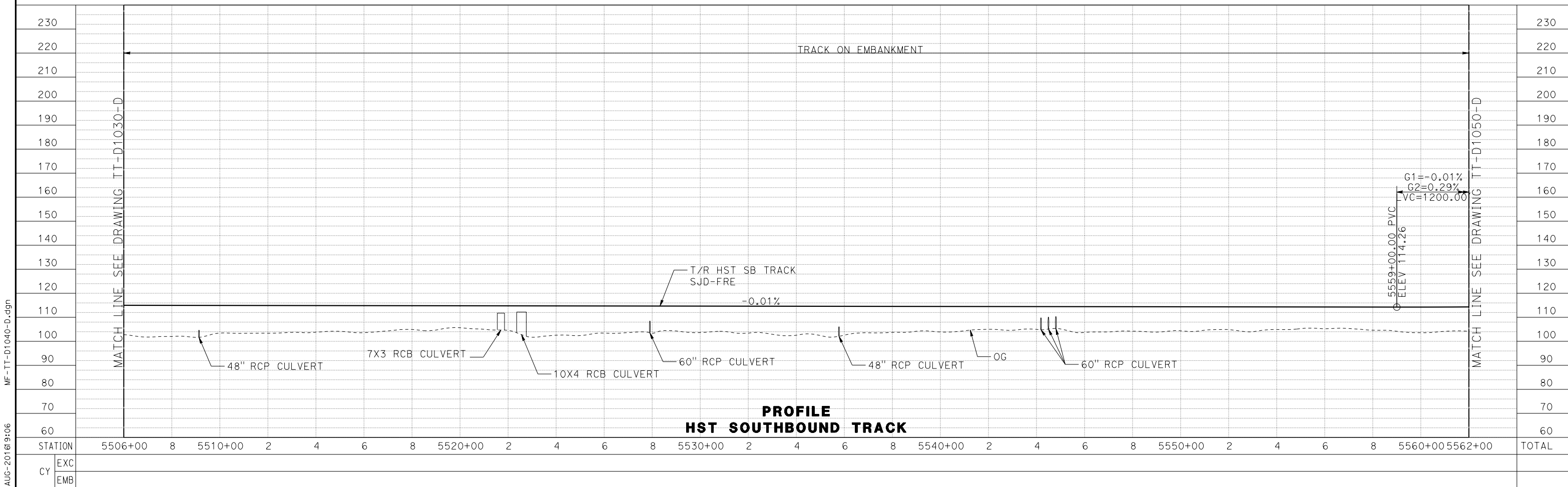


MF-TT-D1030-D.dgn
15-AUG-2016 9:05
p0066533

					DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5450+00 TO 5506+00	CONTRACT NO. HSR08-05
					DRAWN BY J. MARTINE					DRAWING NO. TT-D1030-D
					CHECKED BY N. OUM					SCALE AS SHOWN
					IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016				

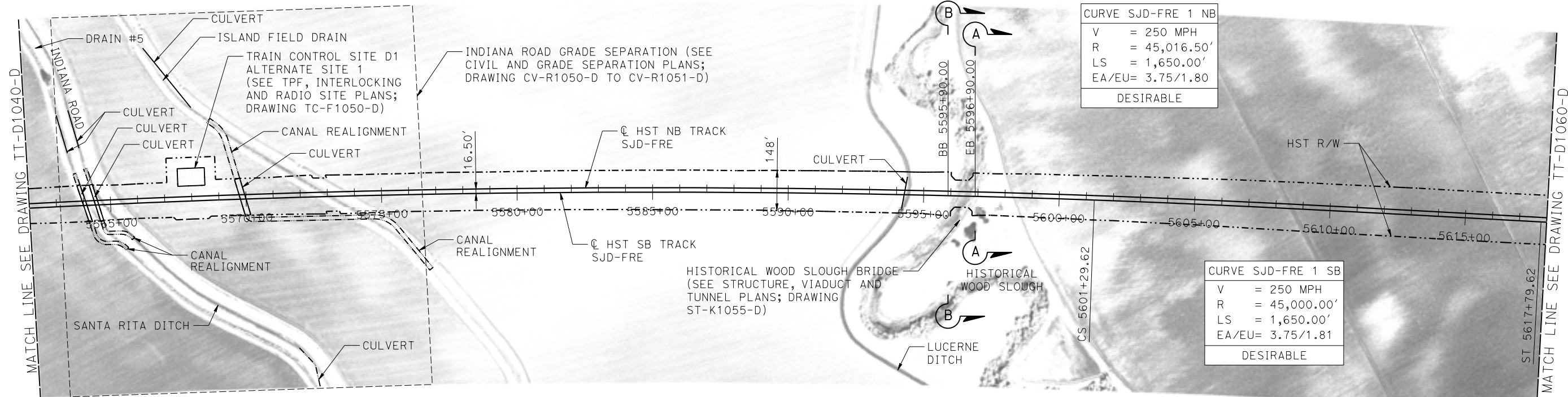


PLAN

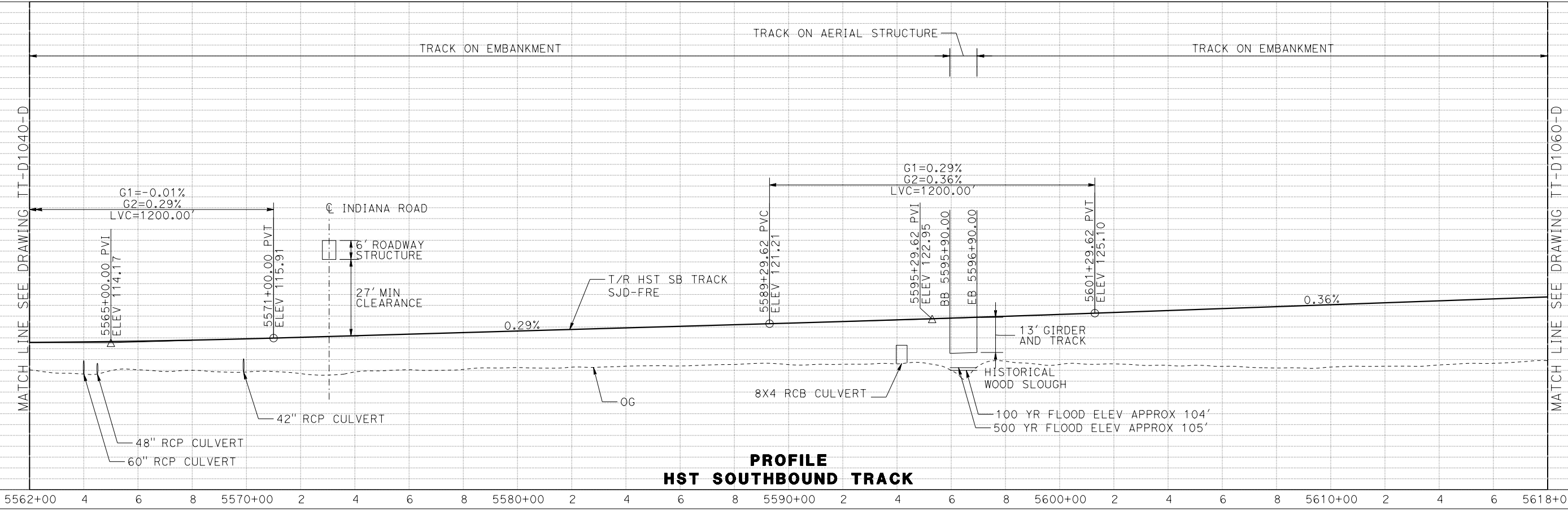
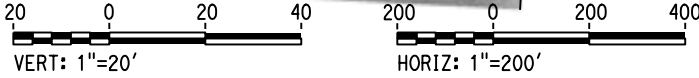


DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5506+00 TO 5562+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1040-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

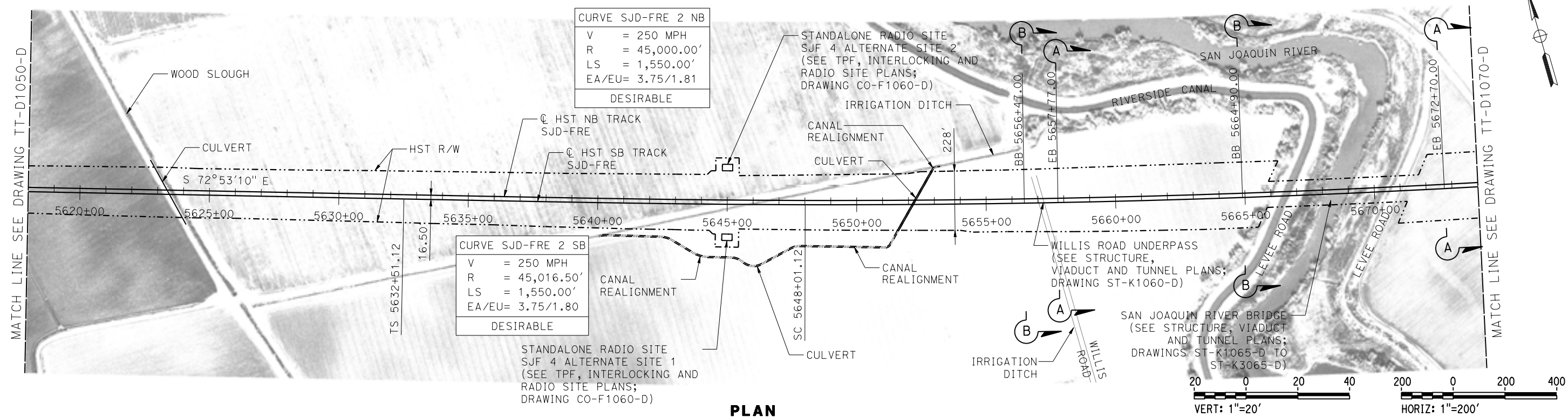
MF-TT-D1050-D.dgn
08-SEP-2016 13:39
p0066533

STATION	5562+00	4	6	8	5570+00	2	4	6	8	5580+00	2	4	6	8	5590+00	2	4	6	8	5600+00	2	4	6	8	5610+00	2	4	6	5618+00	TOTAL
CY	EXC																													
	EMB																													

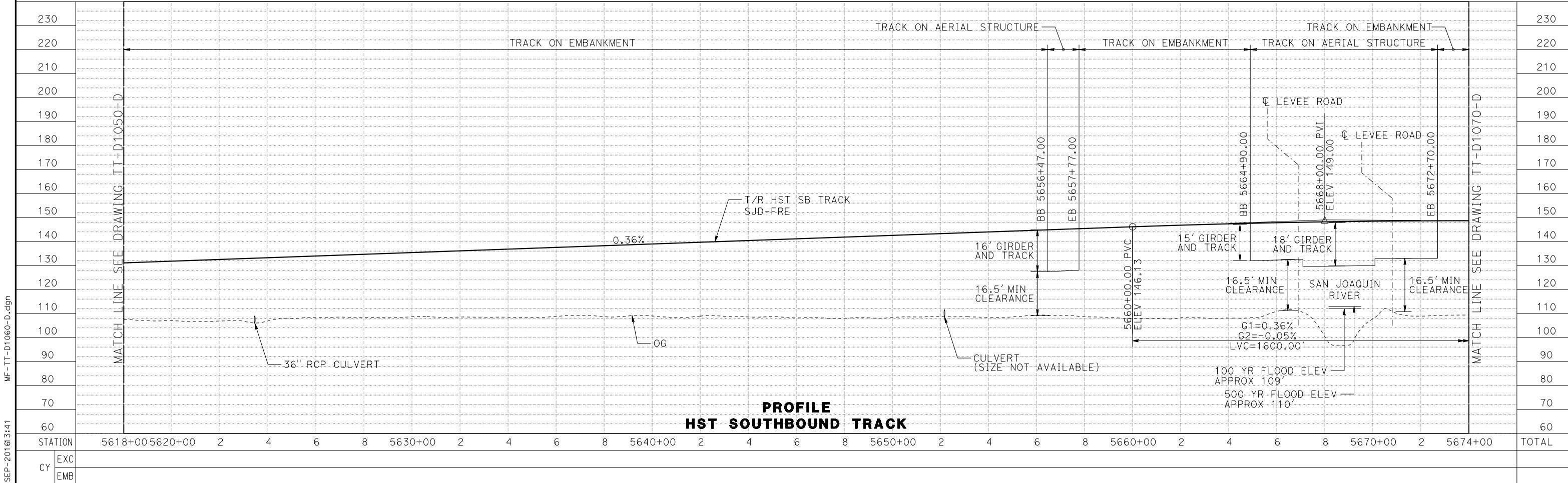
DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1050-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 09/09/2016					CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5562+00 TO 5618+00	

REV	DATE	BY	CHK	APP	DESCRIPTION

MERCED COUNTY



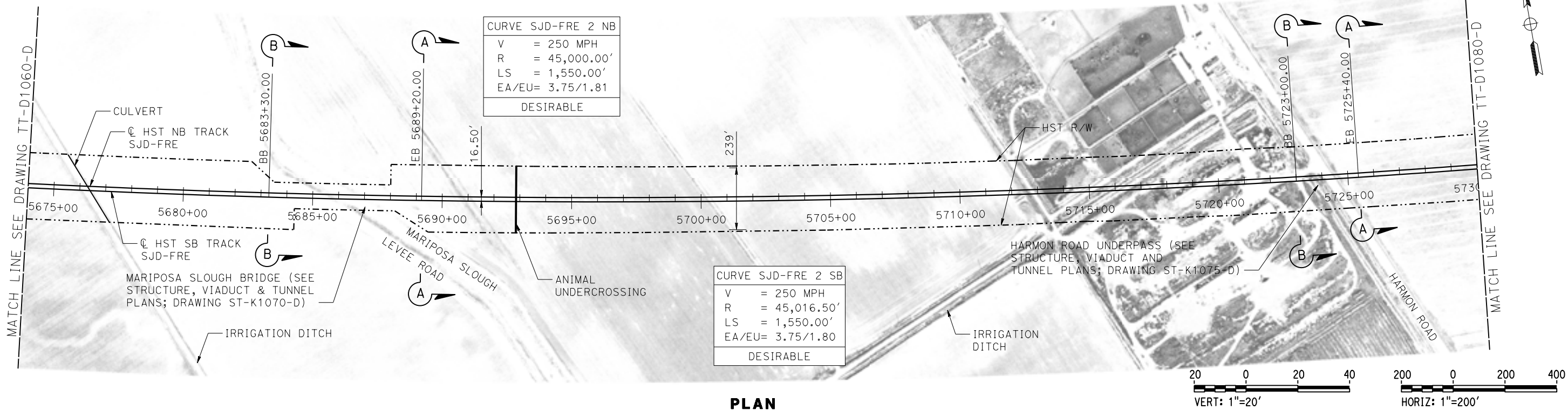
PLAN



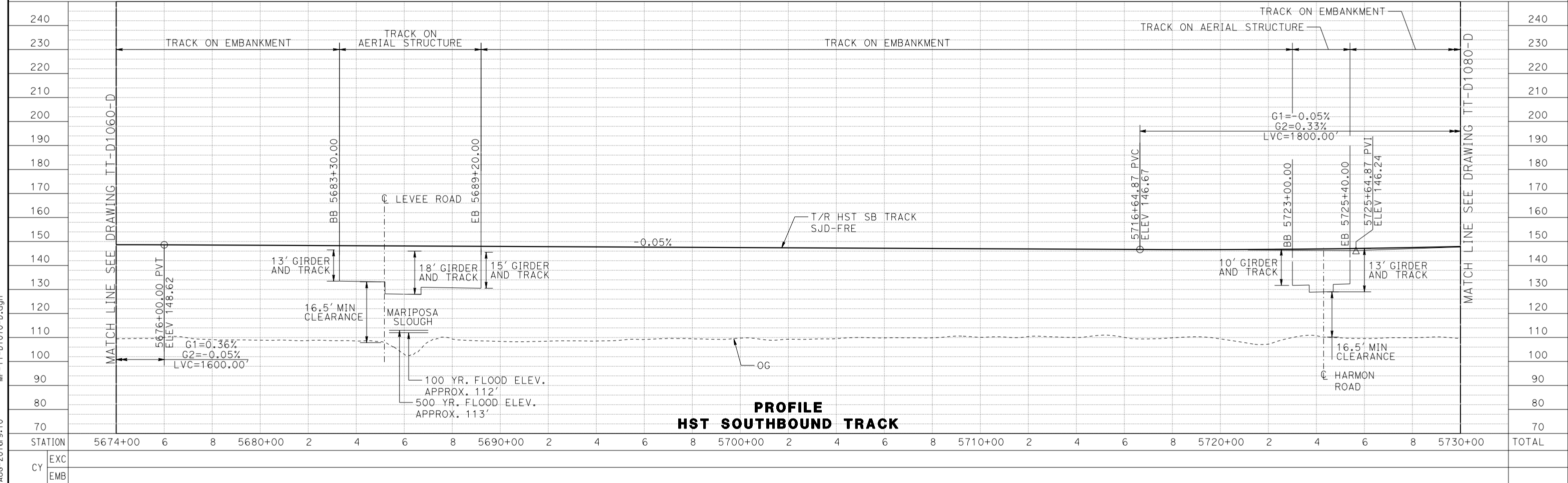
PROFILE
HST SOUTHBOUND TRACK

08-SEP-2016 16:31:41 MF-TT-D1060-D.dgn						DESIGNED BY J. PEREZ DRAWN BY J. MARTINE CHECKED BY N. OUM IN CHARGE C. LEMLEY DATE 09/09/2016		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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5618+00 TO 5674+00				CONTRACT NO. HSR08-05 DRAWING NO. TT-D1060-D SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION												

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:10 MF-TT-D1070-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

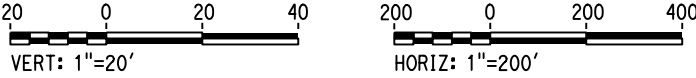
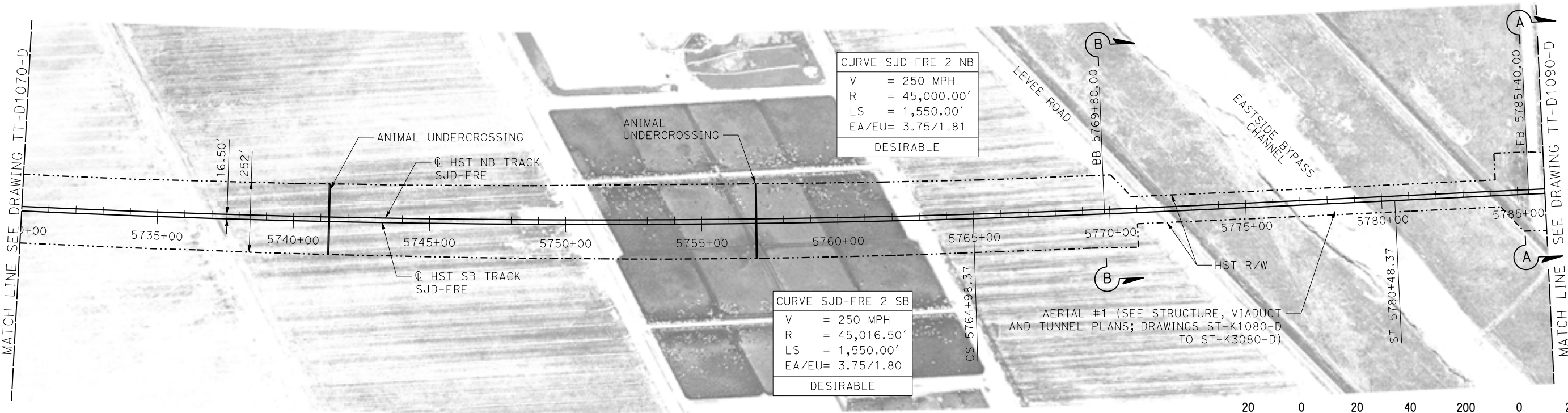
NOT FOR
CONSTRUCTION



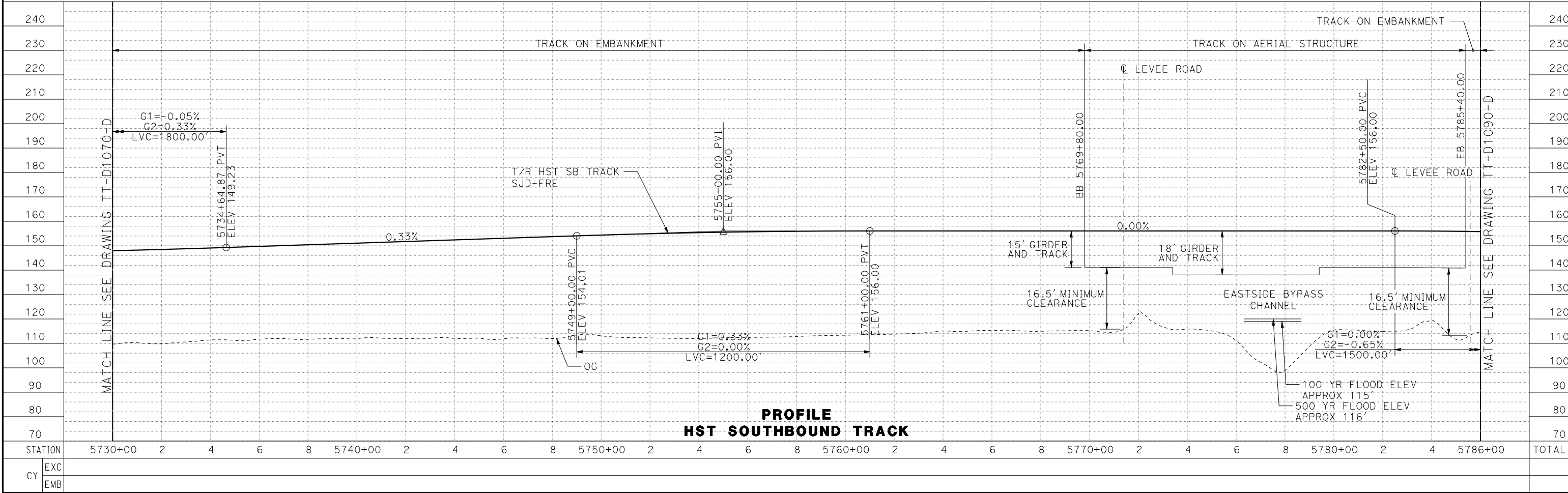
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5674+00 TO 5730+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

08-SEP-2016 16:31:42 MF-TT-D1080-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 09/09/2016

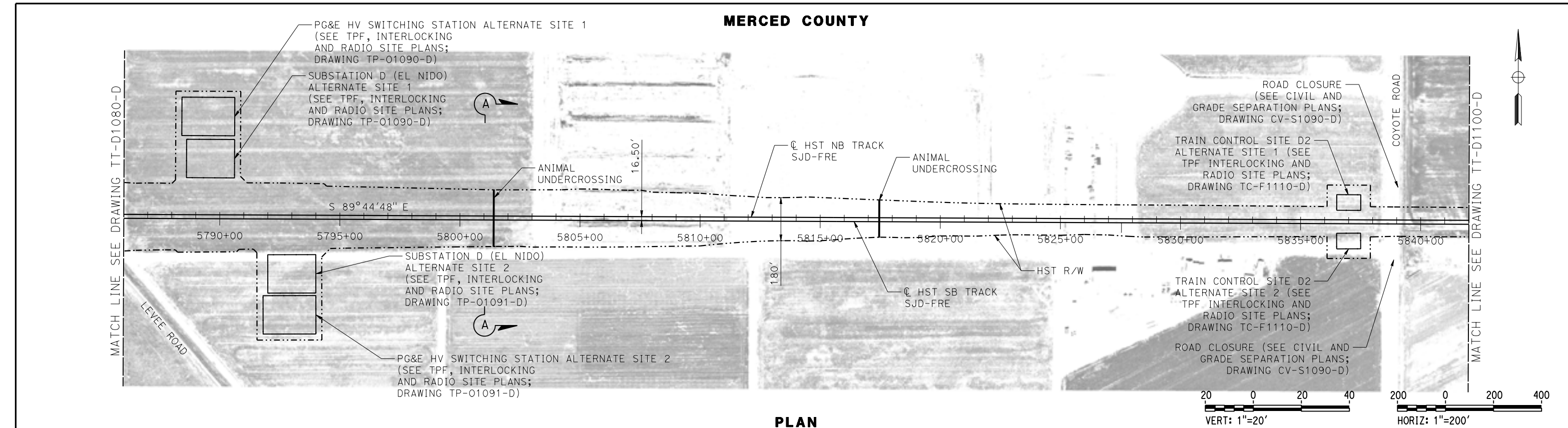
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

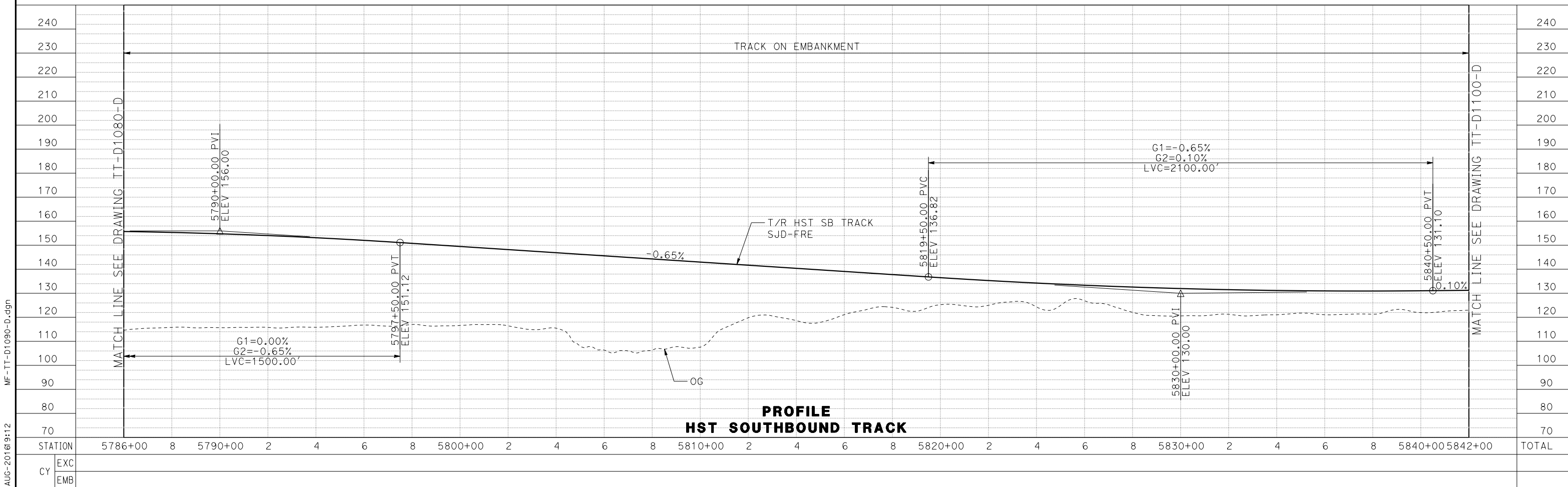


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5730+00 TO 5786+00

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



PLAN



MF-TT-D1090-D.dgn
15-AUG-2016 9:12
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ

DRAWN BY
J. MARTINE

CHECKED BY
N. OUM

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5786+00 TO 5842+00

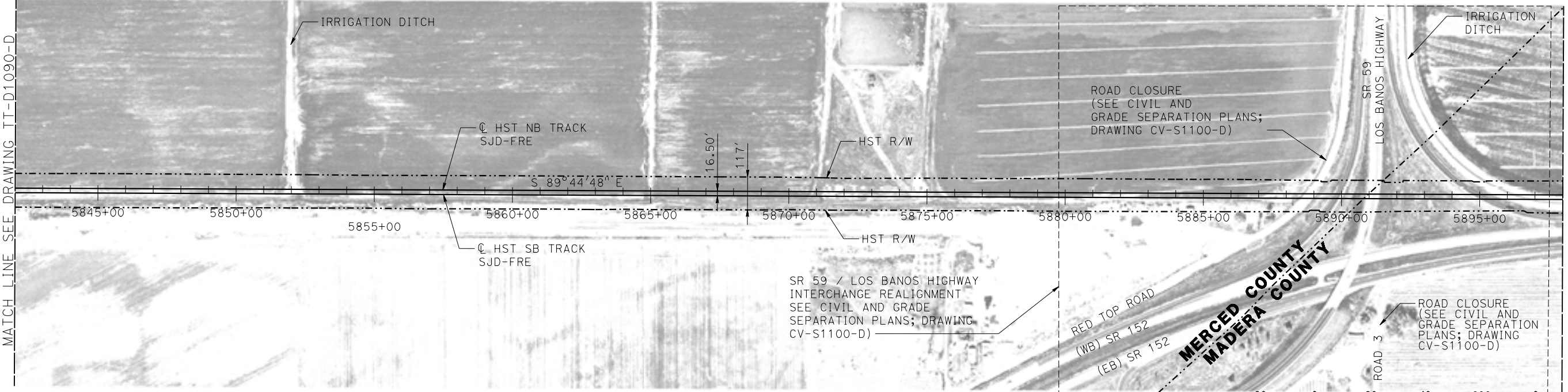
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1090-D

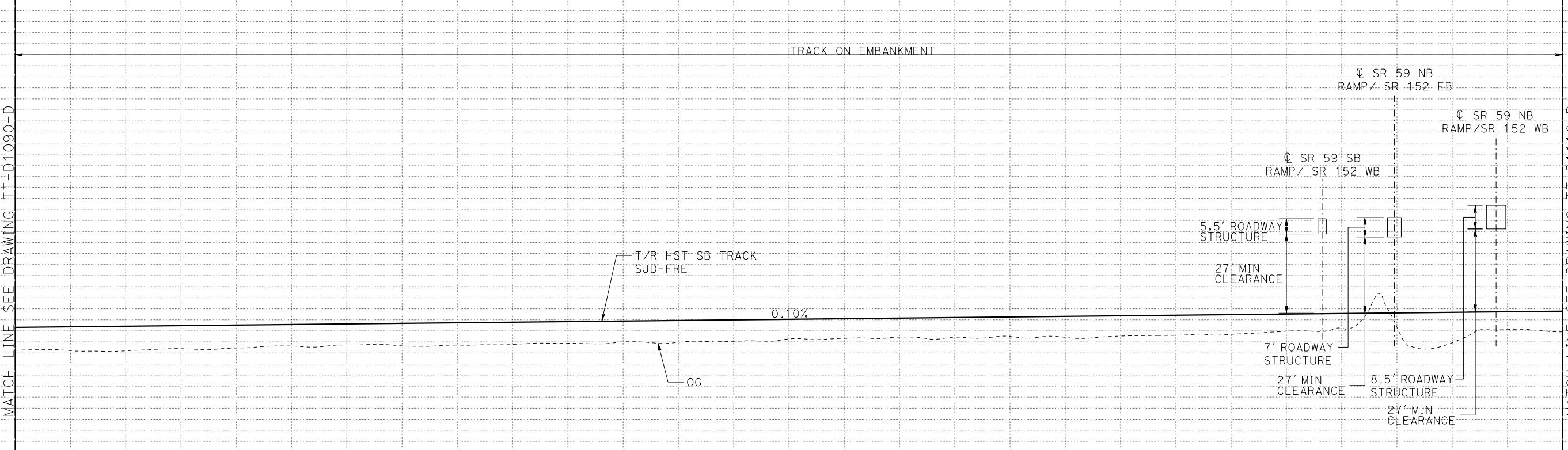
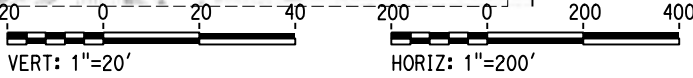
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	5842+00	4	6	8	5850+00	2	4	6	8	5860+00	2	4	6	8	5870+00	2	4	6	8	5880+00	2	4	6	8	5890+00	2	4	6	5898+00	TOTAL
EXC																														
EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

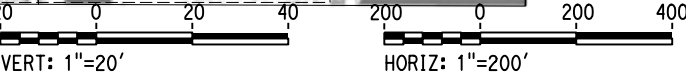
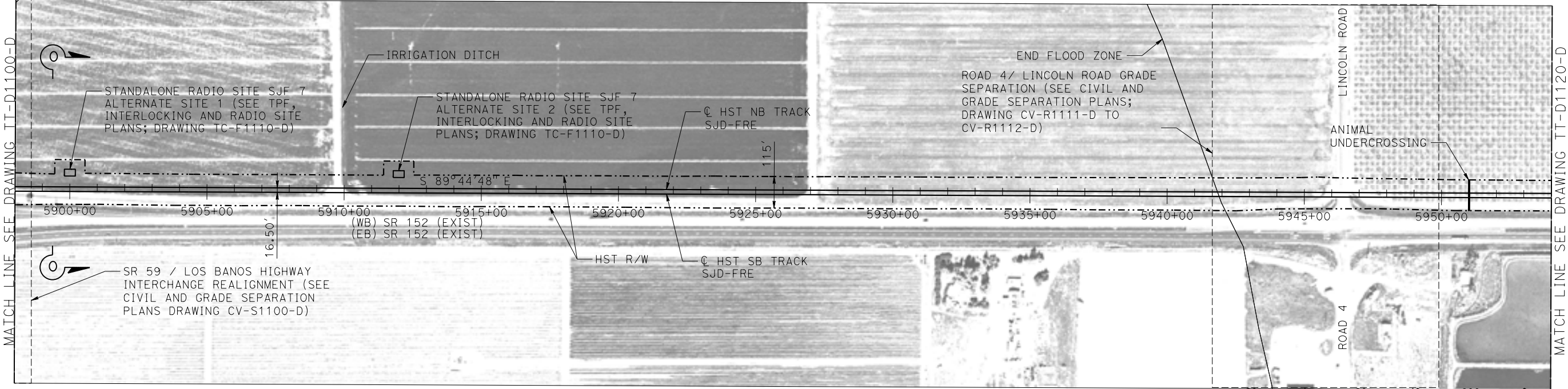
NOT FOR
CONSTRUCTION



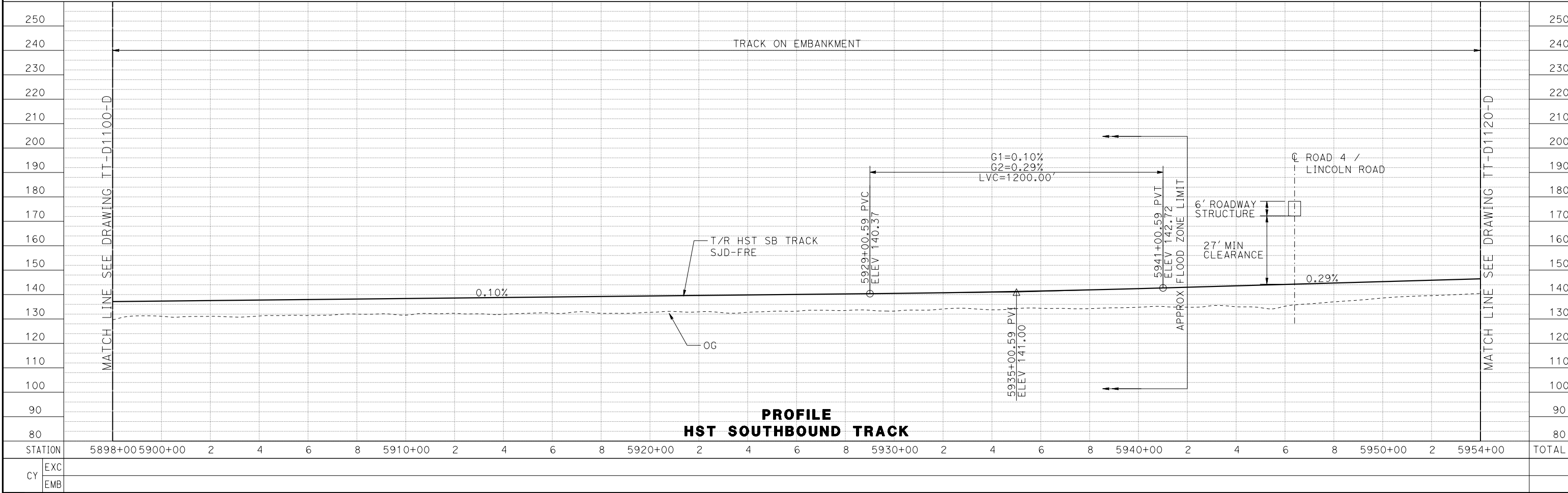
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

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

MADERA COUNTY



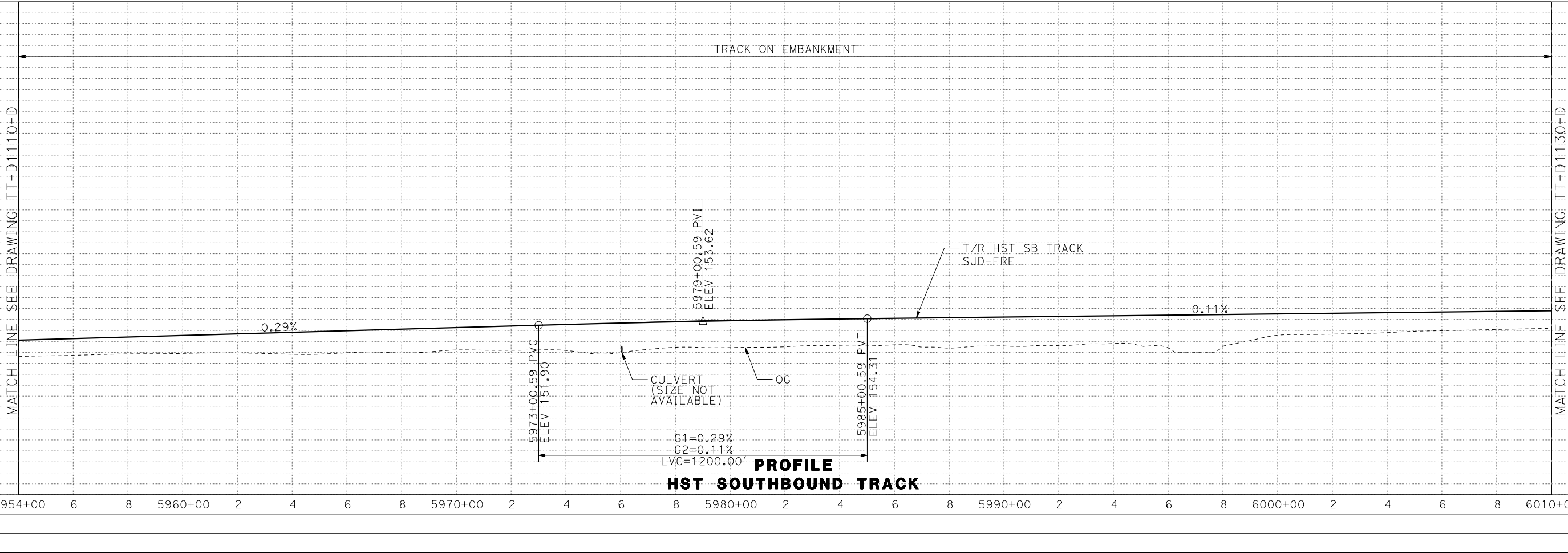
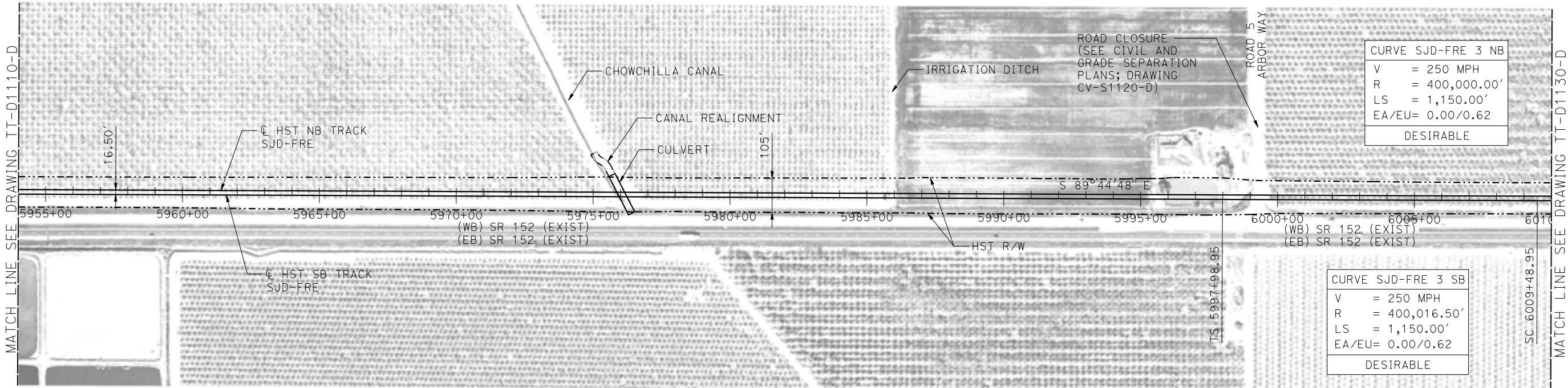
PLAN



PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY J. PEREZ	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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5898+00 TO 5954+00	CONTRACT NO. HSR08-05
						DRAWN BY J. MARTINE					DRAWING NO. TT-D1110-D
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016					

MADERA COUNTY



15-AUG-2016 9:15 MF-TT-D1120-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. MARTINE
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

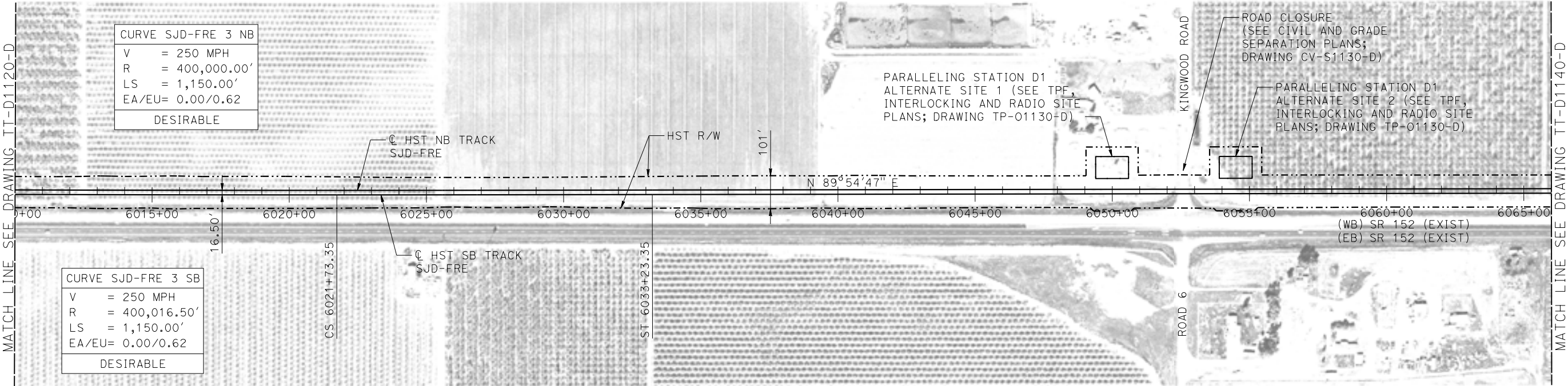
NOT FOR
CONSTRUCTION



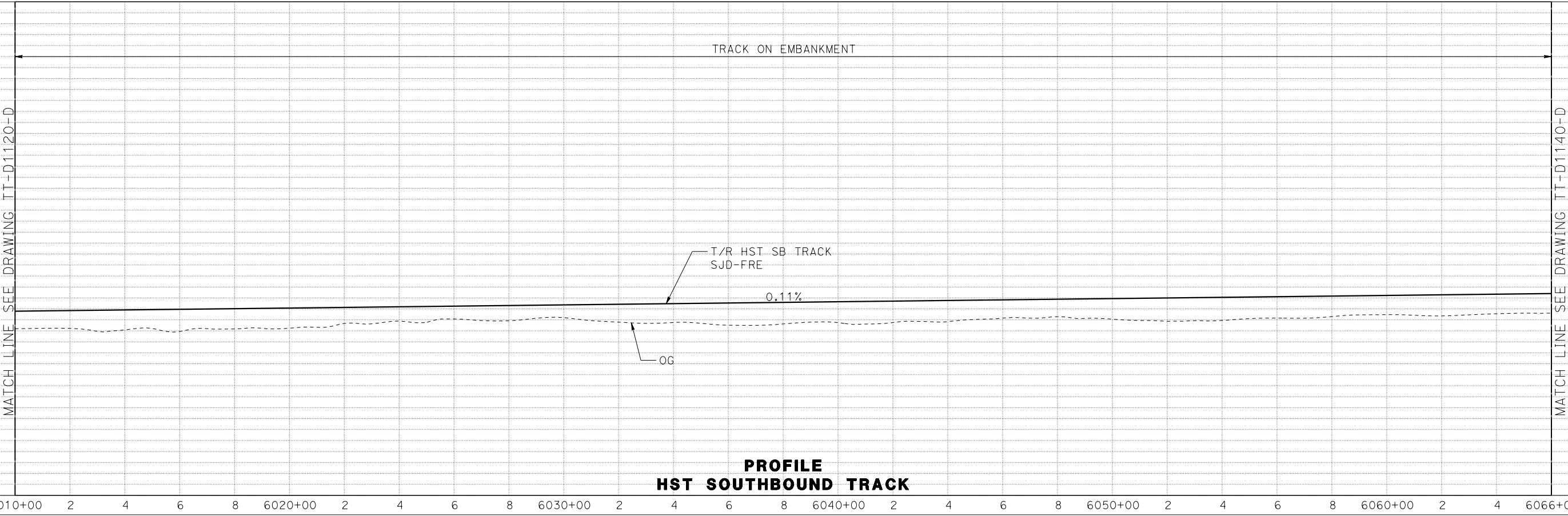
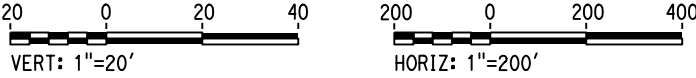
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5954+00 TO 6010+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:16 MF-TT-D1130-D.dgn

REV DATE BY CHK APP DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. MARTINE
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

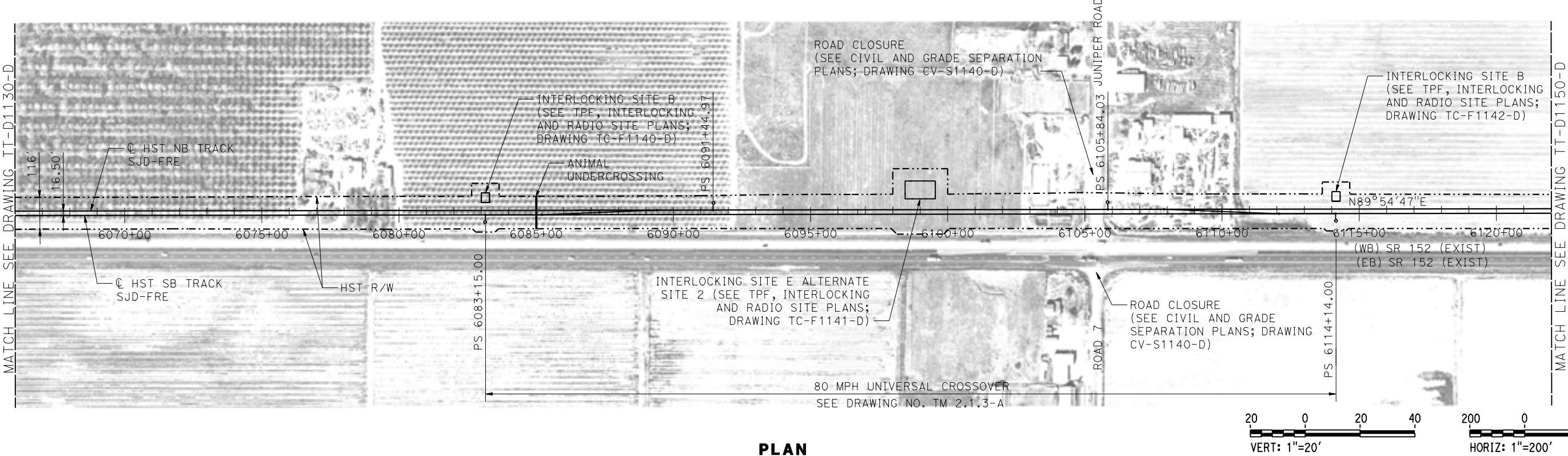
NOT FOR
CONSTRUCTION



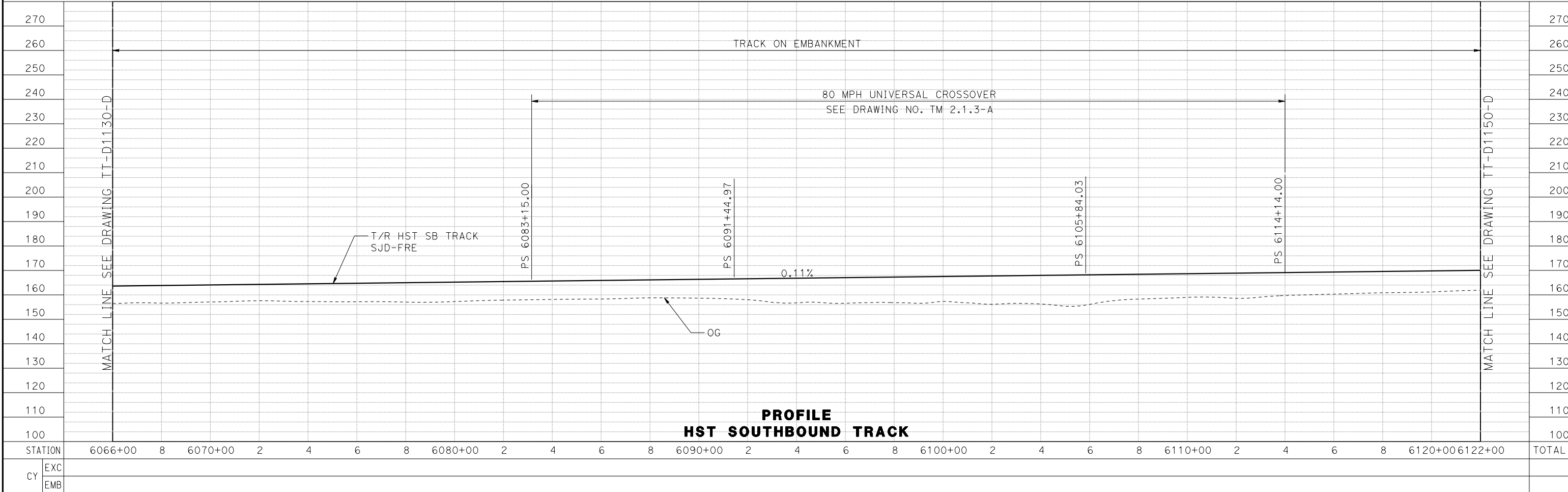
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6010+00 TO 6066+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:18 MF-TT-D1140-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

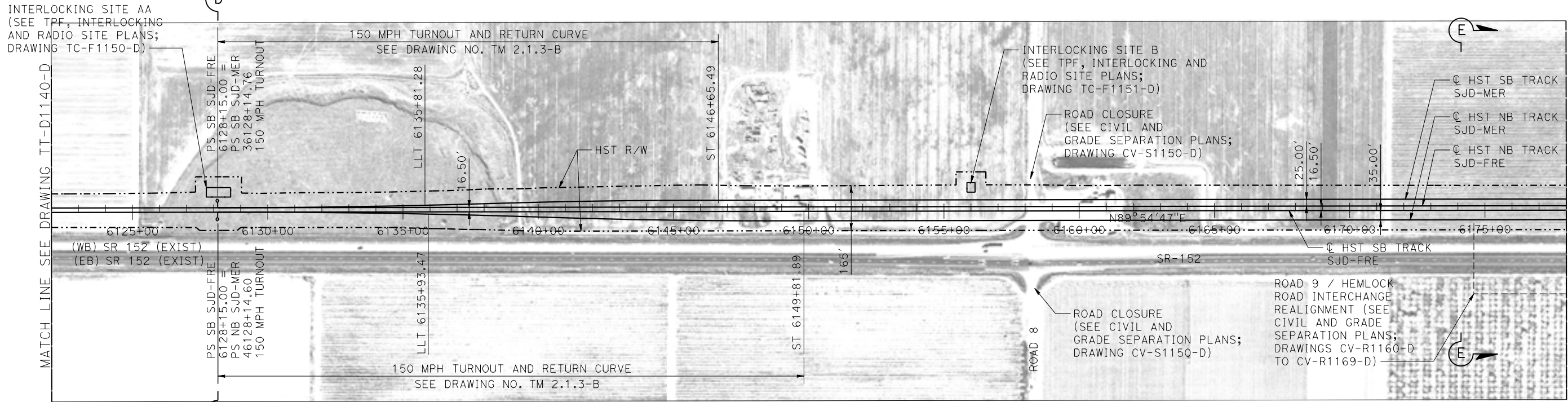
NOT FOR
CONSTRUCTION



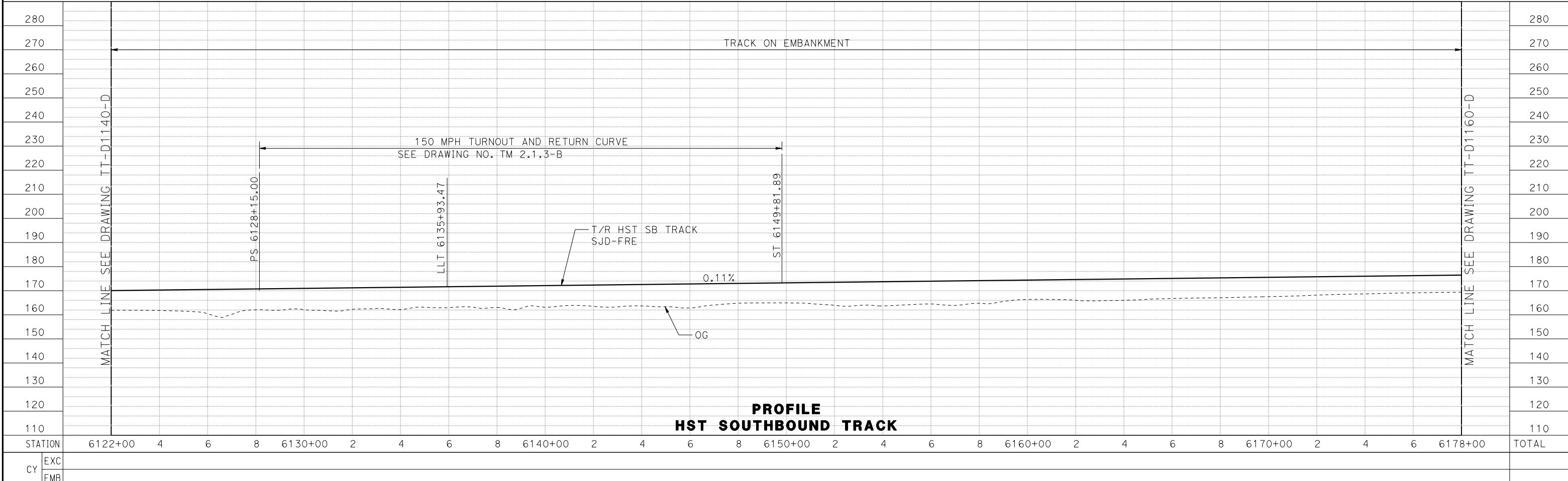
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6066+00 TO 6122+00

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

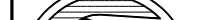
MADERA COUNTY

PLAN

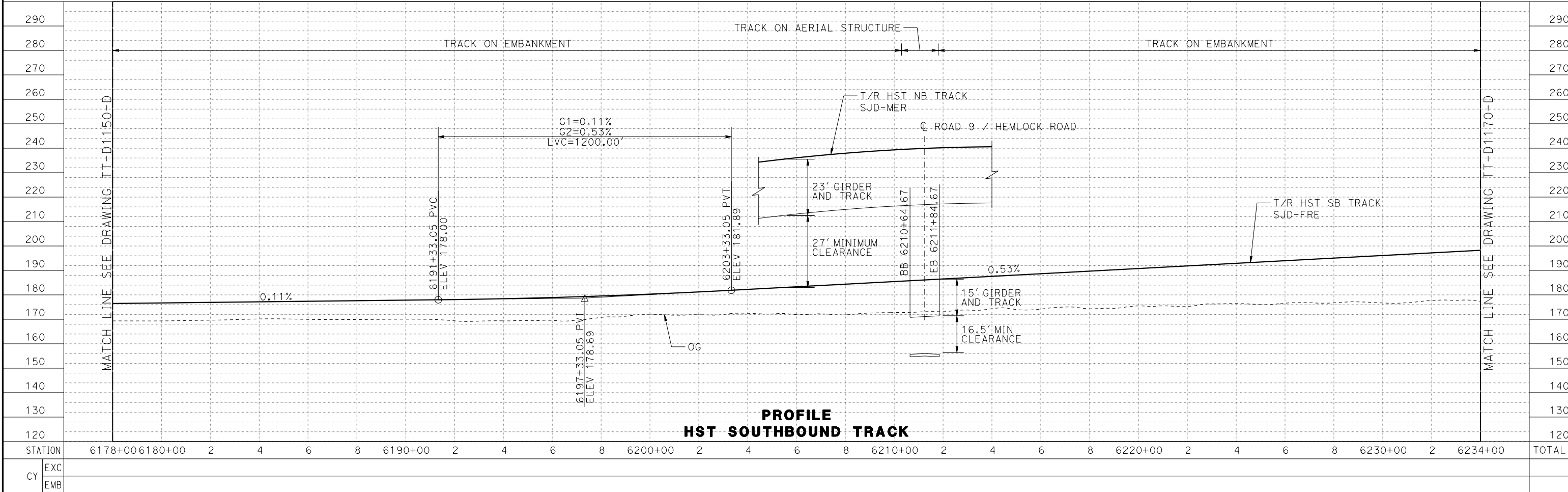
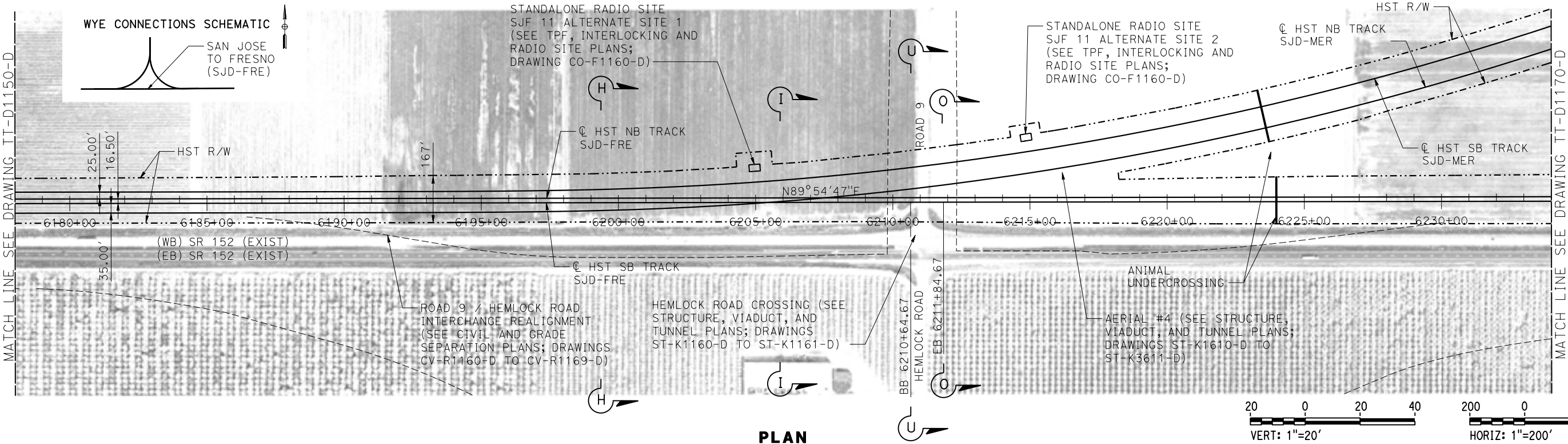


PROFILE

HST SOUTHBOUND TRACK

					DESIGNED BY J. PEREZ	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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6122+00 TO 6178+00	CONTRACT NO. HSR08-05
					DRAWN BY J. MARTINE					DRAWING NO. TT-D1150-D
					CHECKED BY N. OUM					SCALE AS SHOWN
					IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016				

MADERA COUNTY



MF-TT-D1160-D.dgn

15-AUG-2016 9:20

00066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ

DRAWN BY
J. MARTINE

CHECKED BY
N. OUM

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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

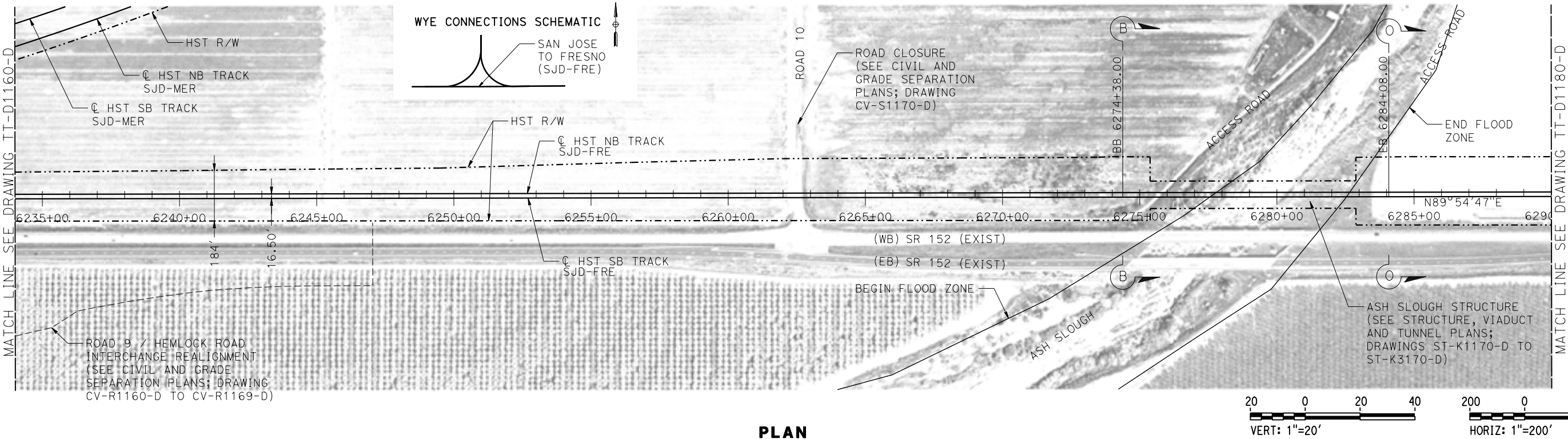
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1160-D

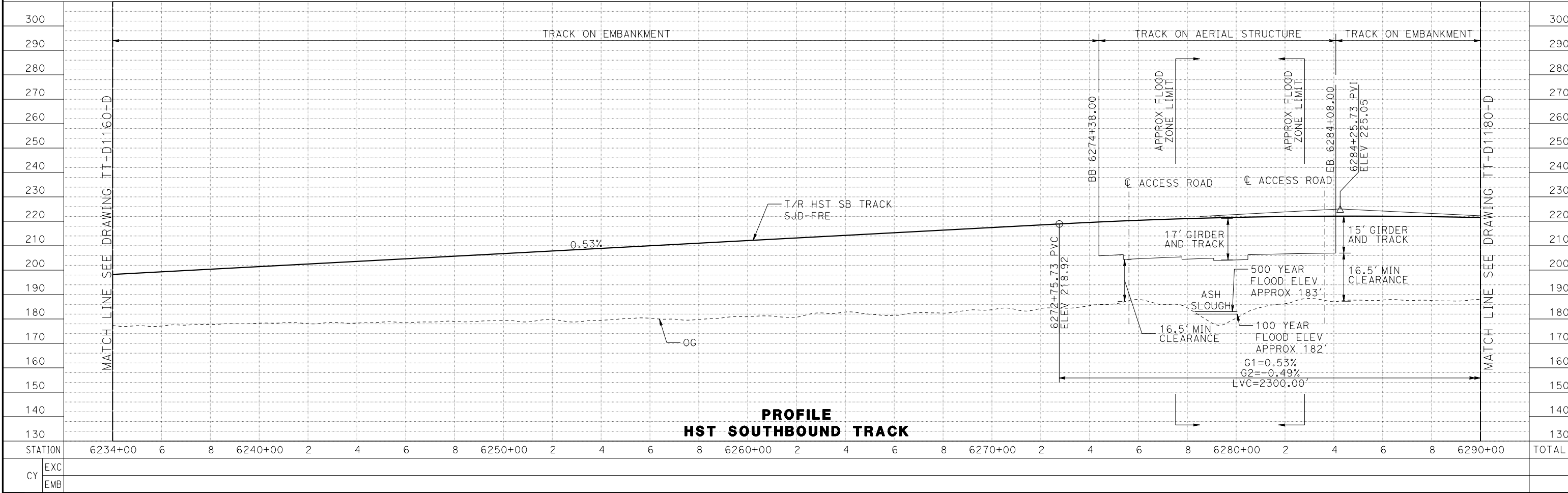
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



MF-TT-D1170-D.dgn
15-AUG-2016 9:21
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ

DRAWN BY
J. MARTINE

CHECKED BY
N. OUM

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

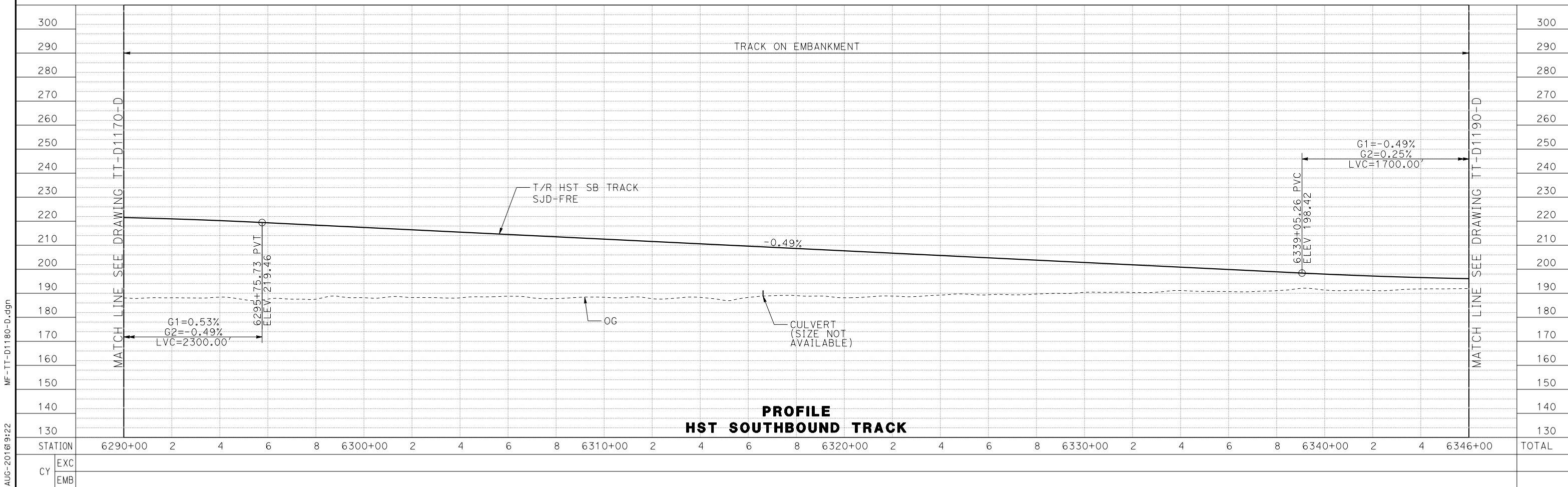
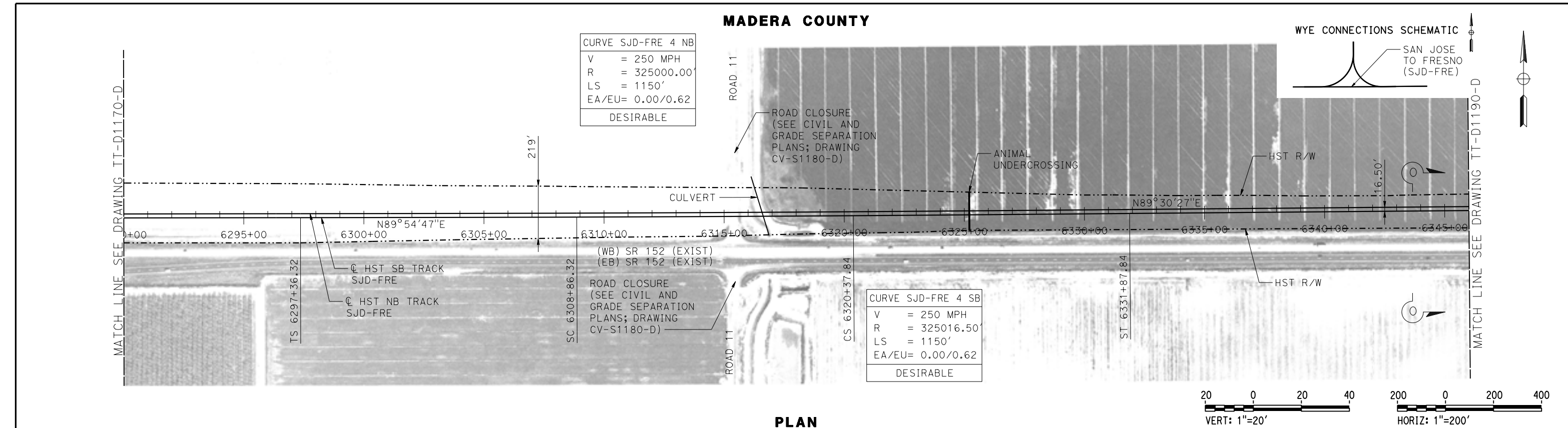
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6234+00 TO 6290+00

CONTRACT NO.
HSR08-05

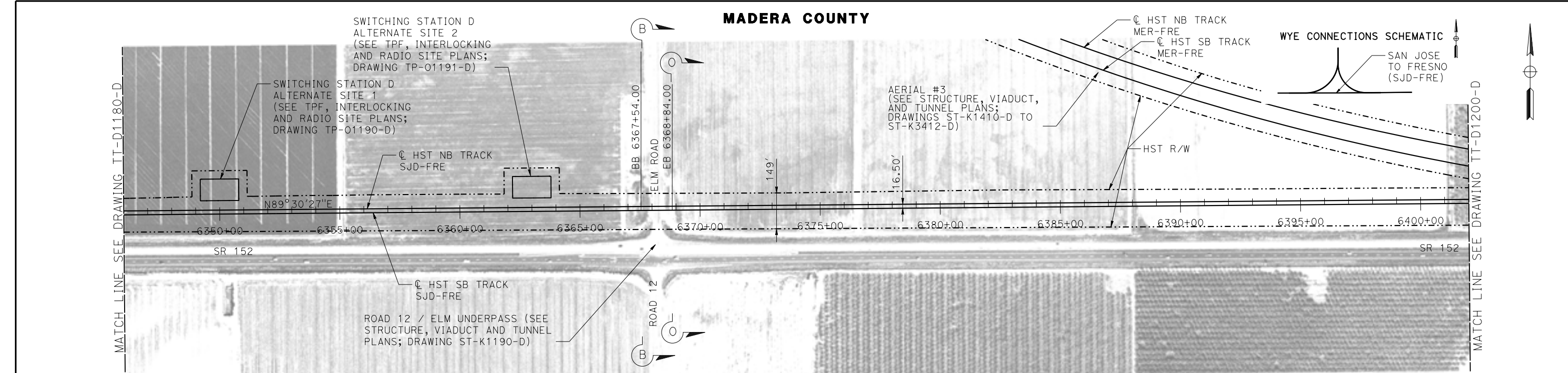
DRAWING NO.
TT-D1170-D

SCALE
AS SHOWN

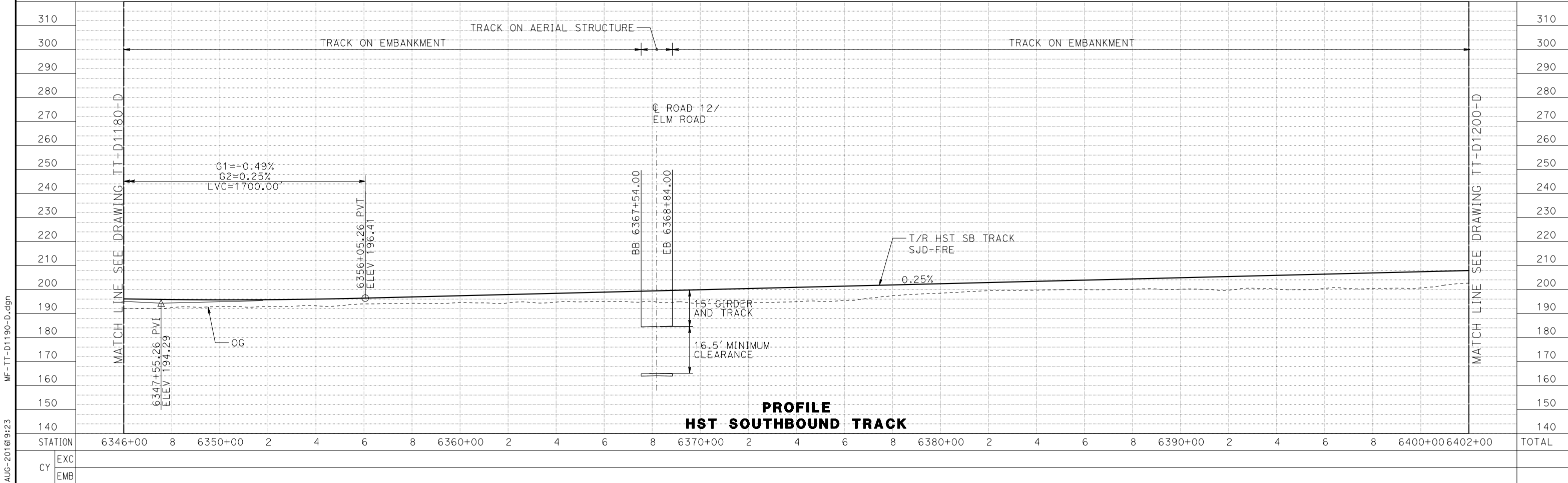
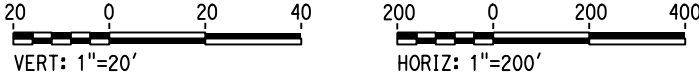
SHEET NO.



15-AUG-2016 9:22 MF-TT-D1180-D.dgn					DESIGNED BY J. PEREZ		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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6290+00 TO 6346+00		CONTRACT NO. HSR08-05
					DRAWING NO. TT-D1180-D							
					SCALE AS SHOWN							
					SHEET NO.							
REV	DATE	BY	CHK	APP	DESCRIPTION	IN CHARGE C. LEMLEY						



PLAN



MF-TT-D1190-D.dgn

15-AUG-2016 9:23

p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



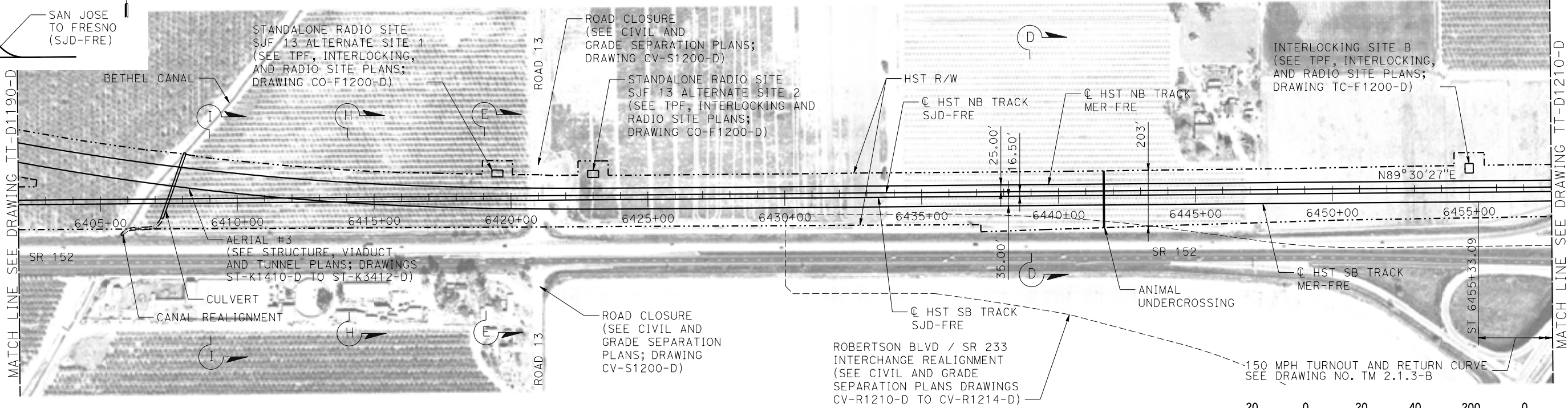
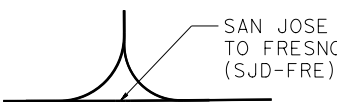
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6346+00 TO 6402+00

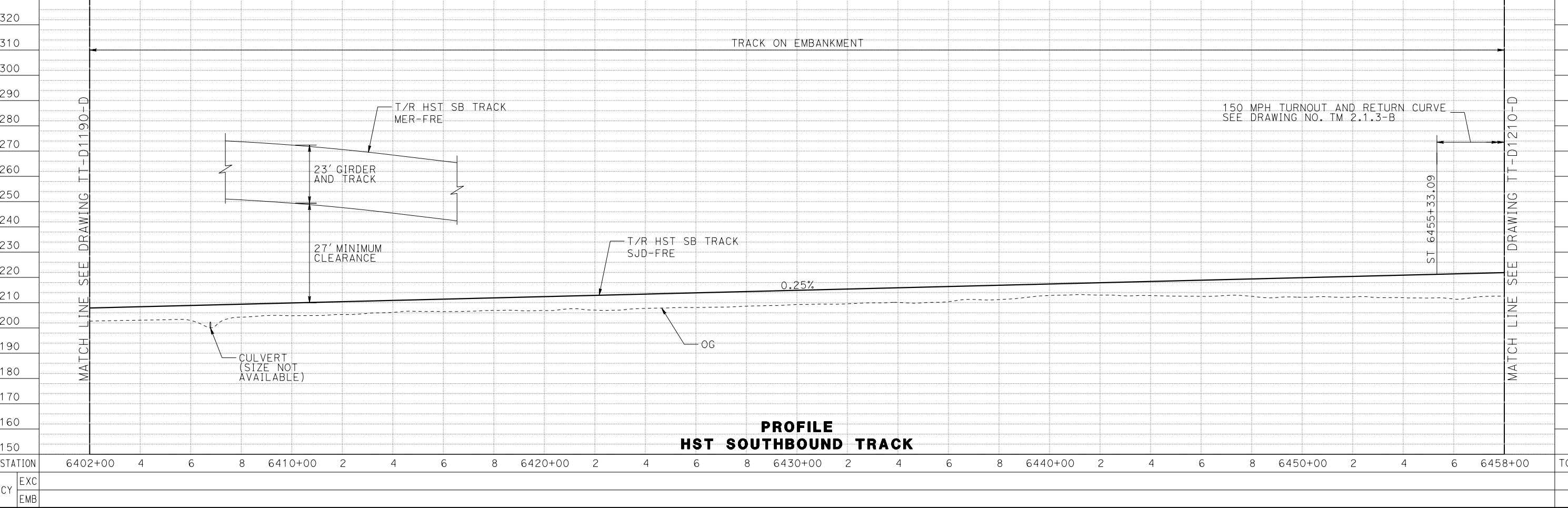
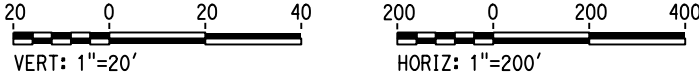
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1190-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:24 MF-TT-D1200-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

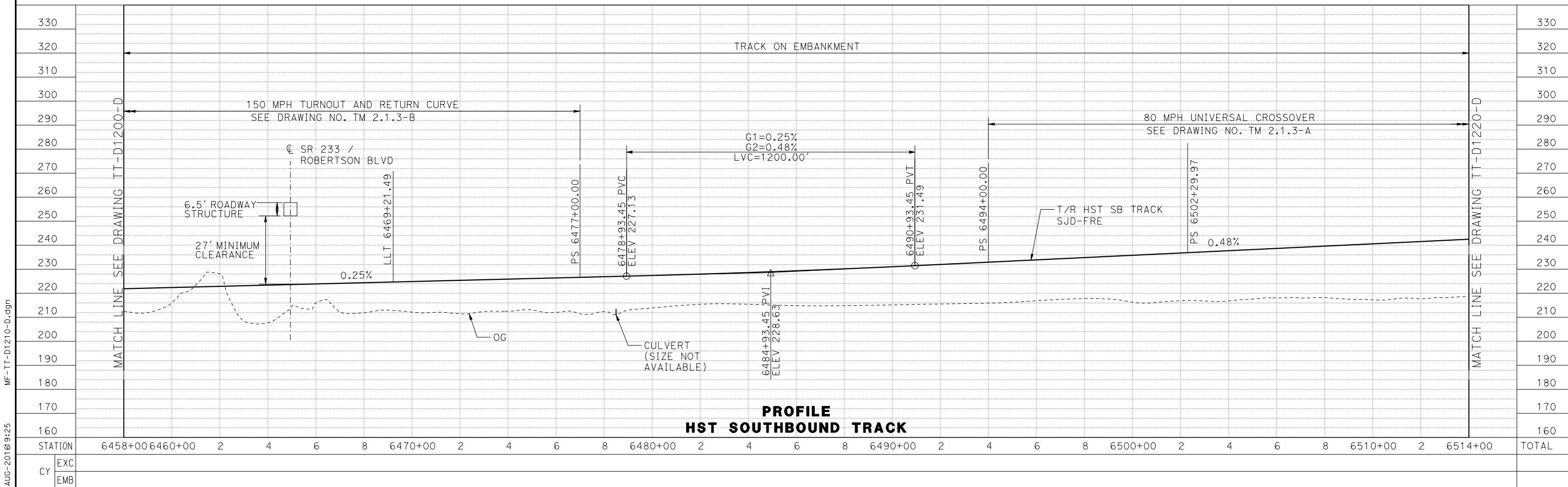
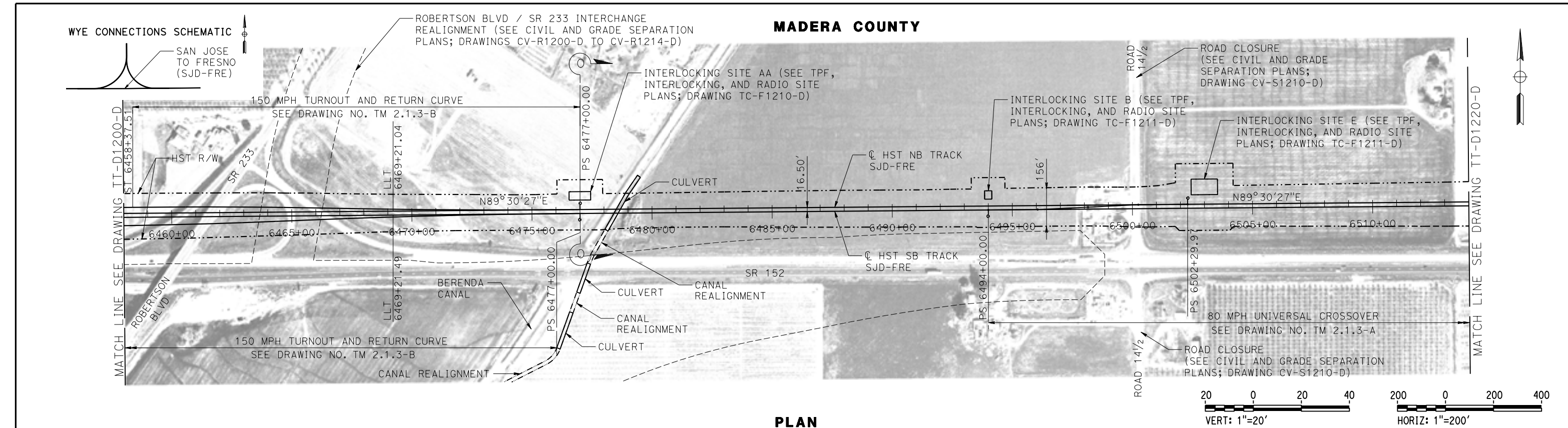
NOT FOR
CONSTRUCTION



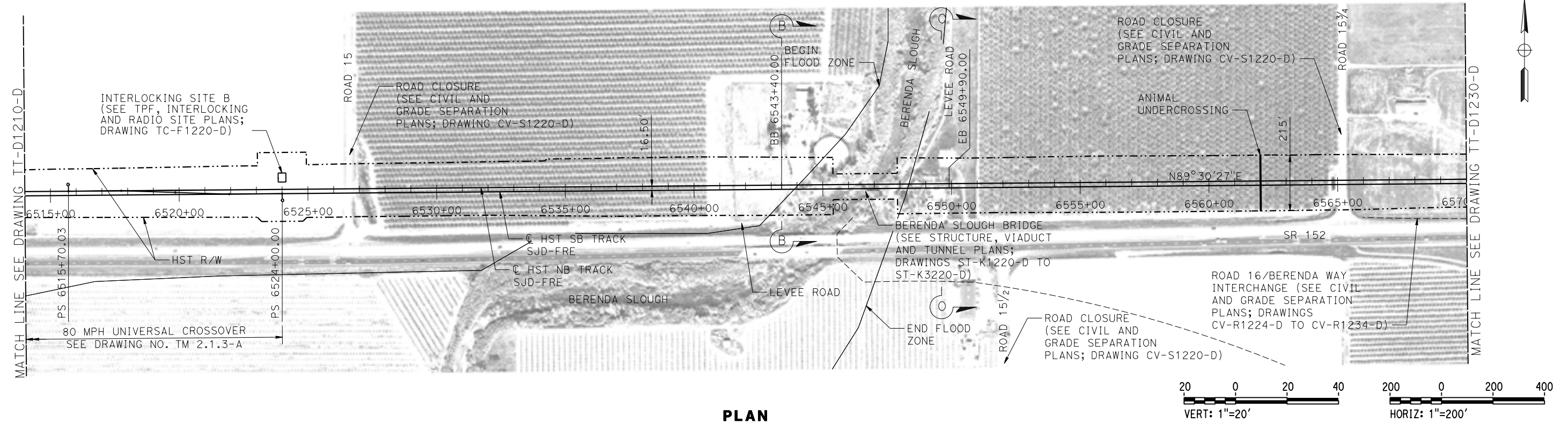
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

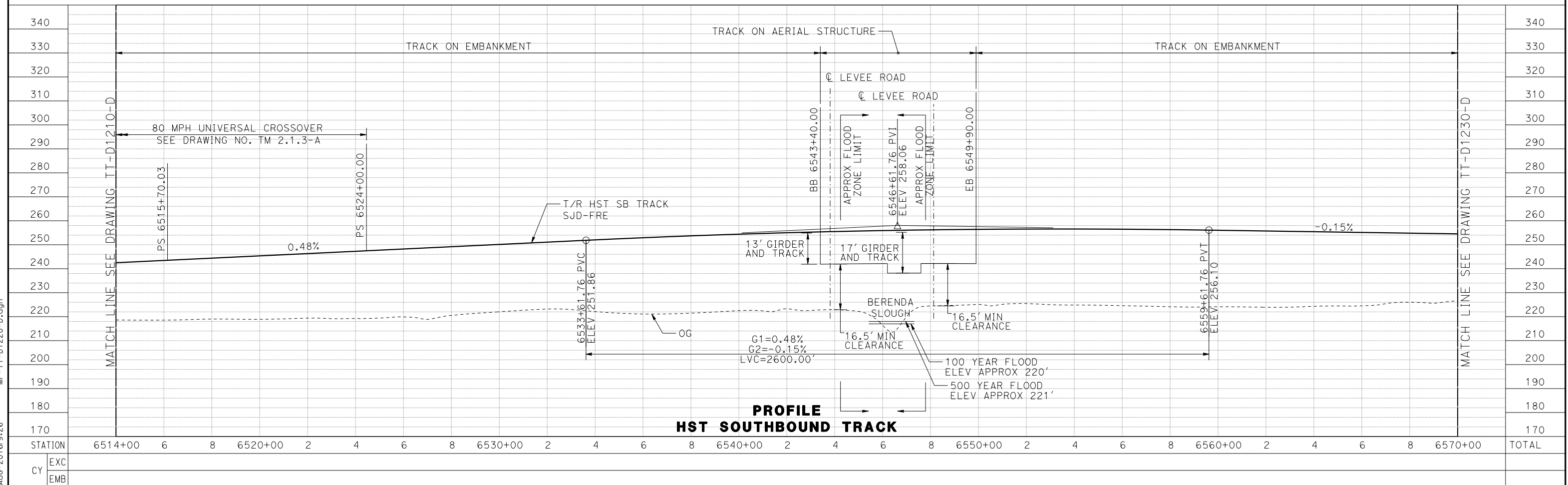
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1200-D
SCALE AS SHOWN
SHEET NO.



DESIGNED BY J. PEREZ	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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6458+00 TO 6514+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1210-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

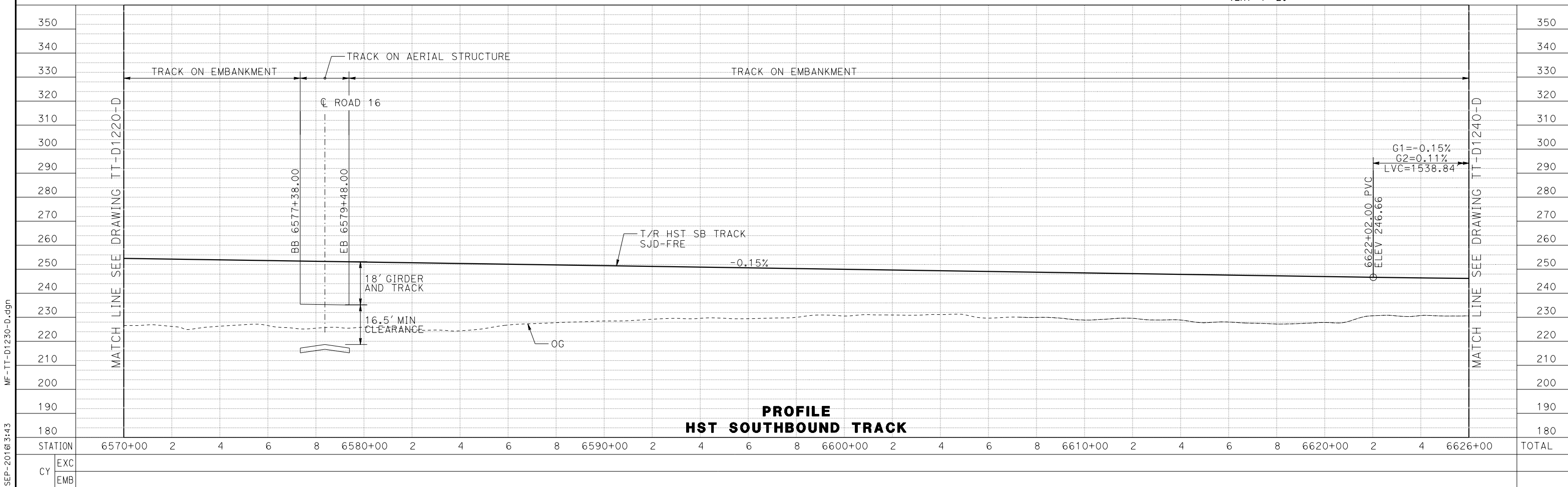
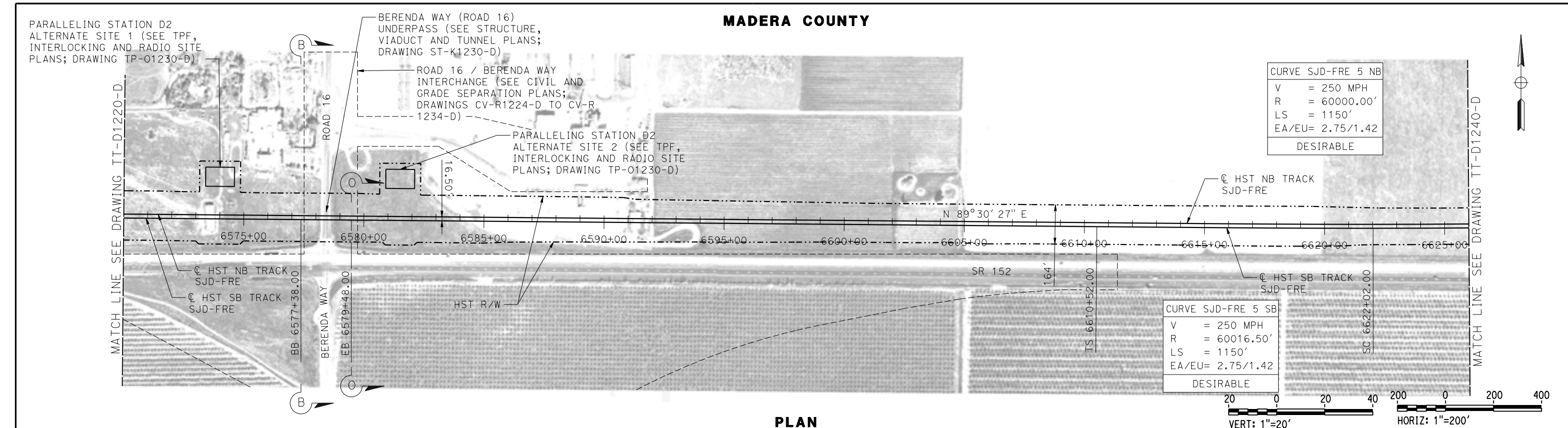
MADERA COUNTY

PLAN



PROFILE HST SOUTHBOUND TRACK

						DESIGNED BY J. PEREZ	RECORD SET 16% DESIGN SUBMITTAL NOT FOR CONSTRUCTION		 CALIFORNIA <i>HIGH-SPEED RAIL AUTHORITY</i>	CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6514+00 TO 6570+00				CONTRACT NO. HSR08-05
						DRAWN BY J. MARTINE				DRAWING NO. TT-D1220-D				
						CHECKED BY N. OUM				SCALE AS SHOWN				
						IN CHARGE C. LEMLEY				SHEET NO.				
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016								



08-SEP-2016 3:43 MF-TT-D1230-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL
DRAWN BY J. MARTINE	
CHECKED BY N. OUM	
IN CHARGE C. LEMLEY	
DATE 09/09/2016	NOT FOR CONSTRUCTION



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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

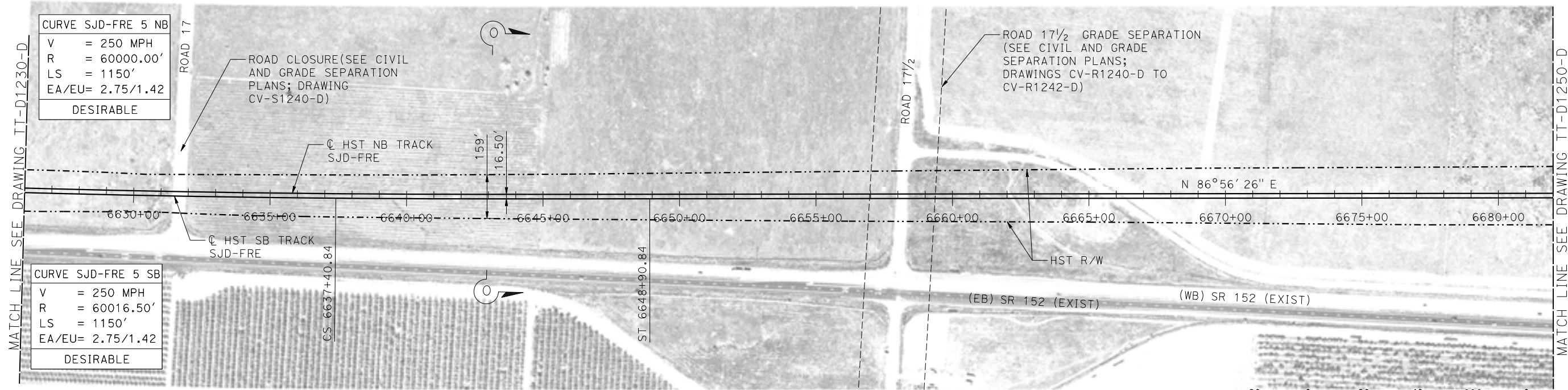
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1230-D

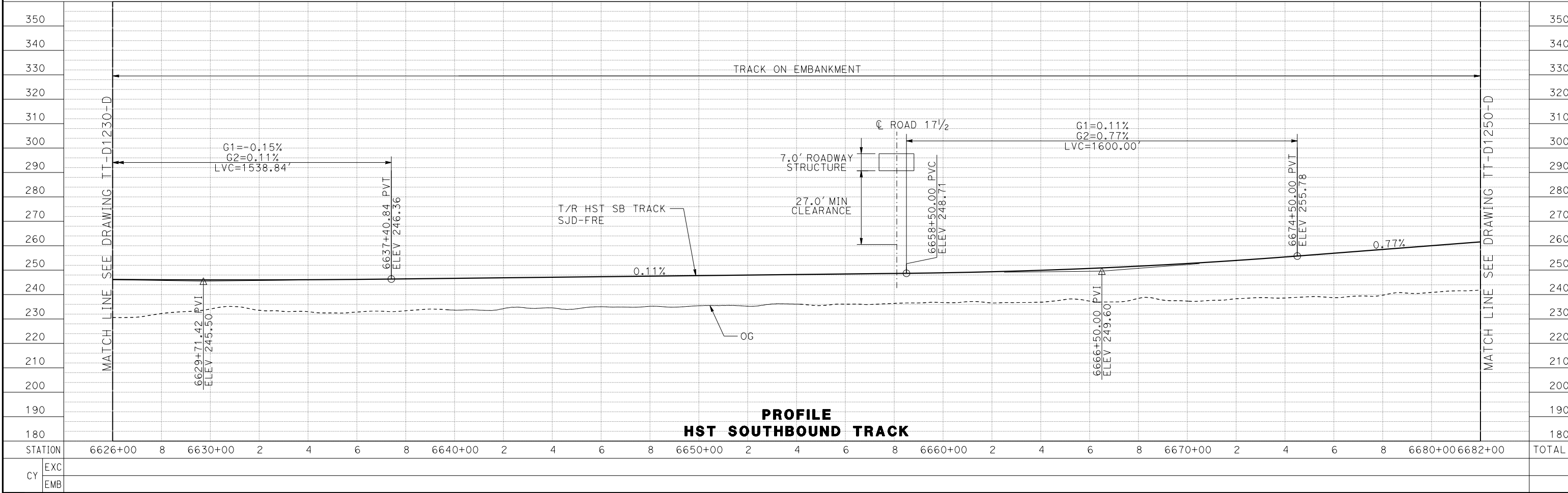
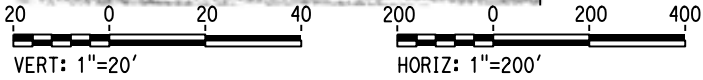
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1240-D.dgn
15-AUG-2016 9:29
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

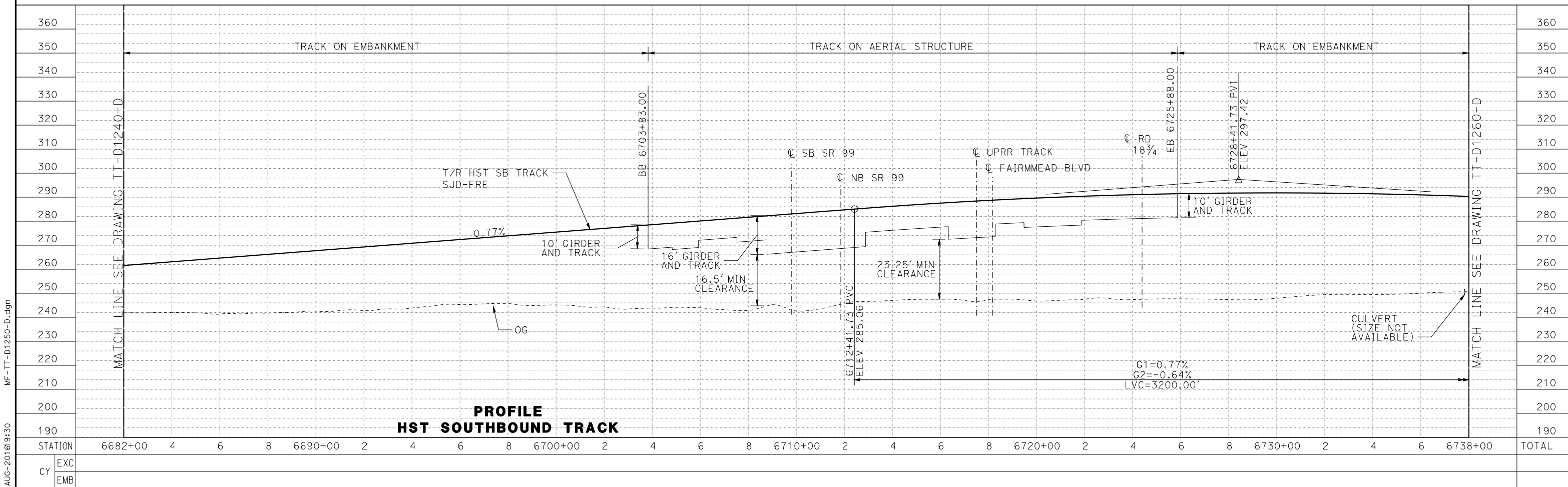
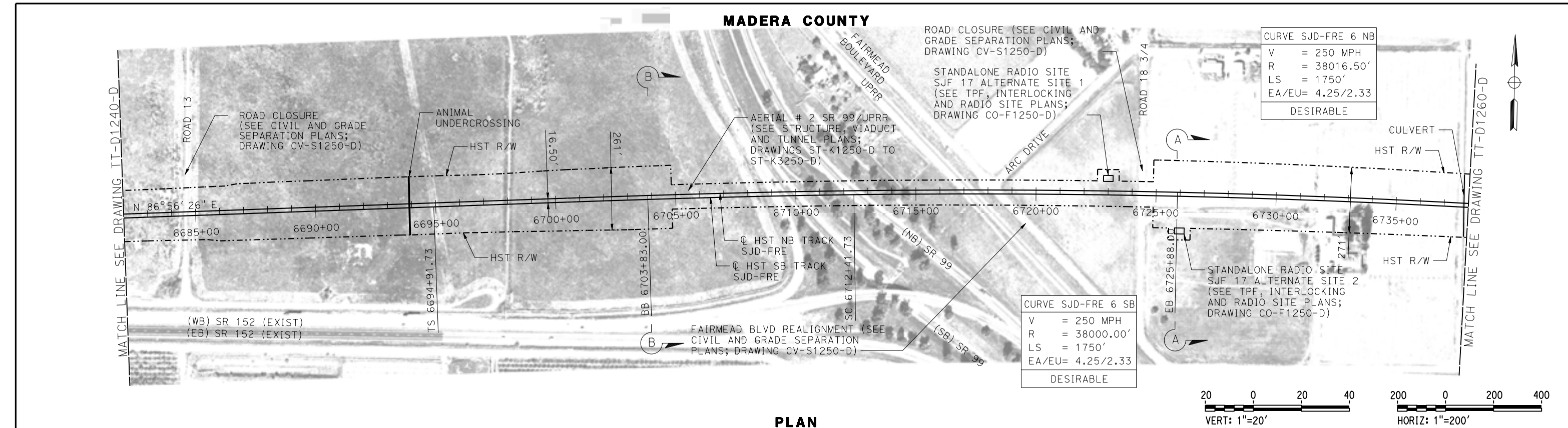
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



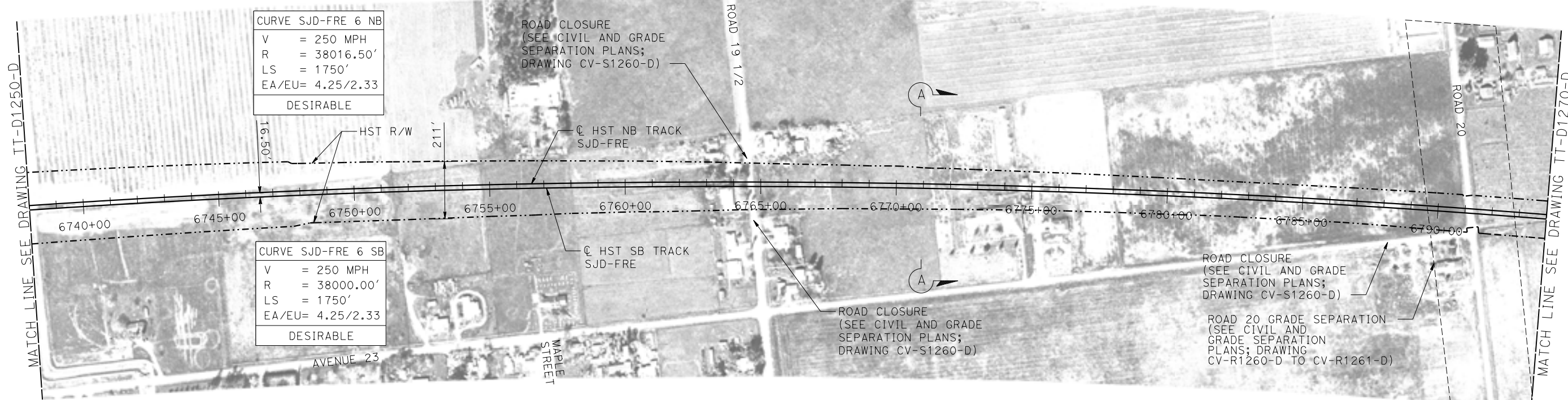
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6626+00 TO 6682+00

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

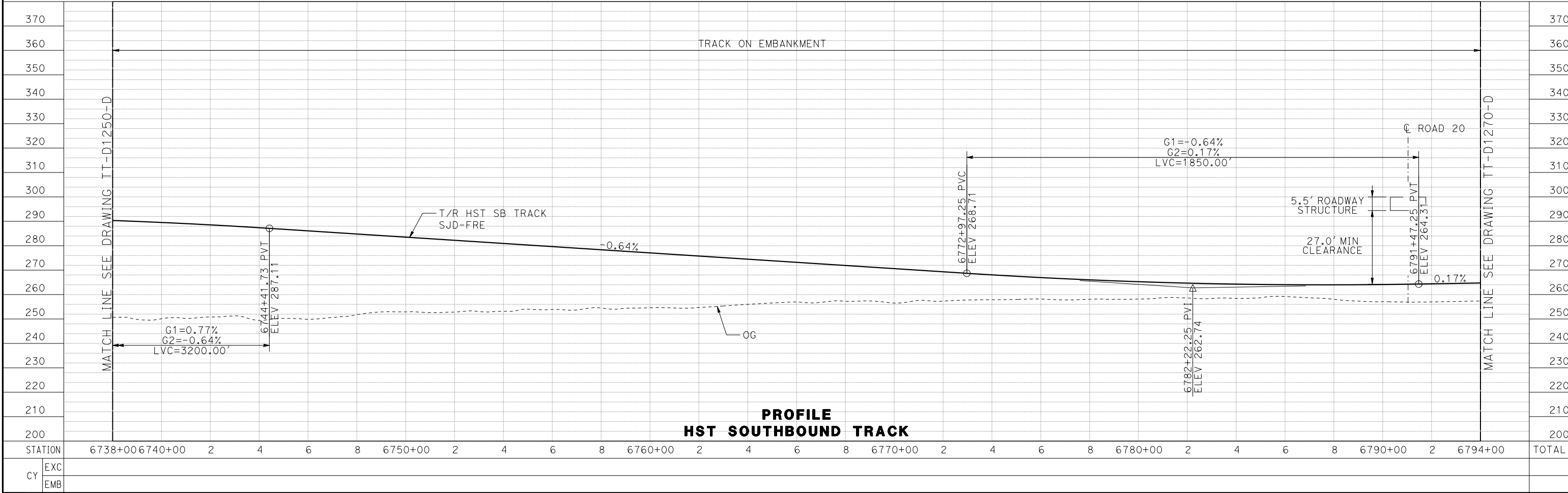
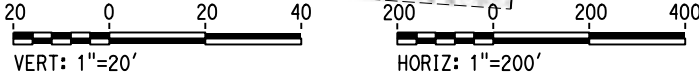


DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6682+00 TO 6738+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1250-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

FAIRMEAD, MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1260-D.dgn
15-AUG-2016 9:31
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

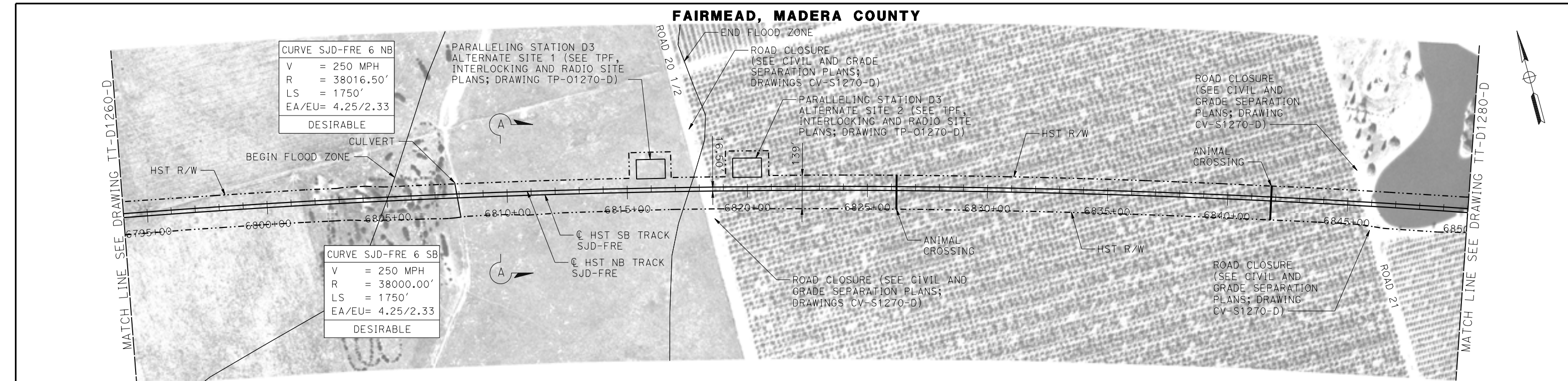
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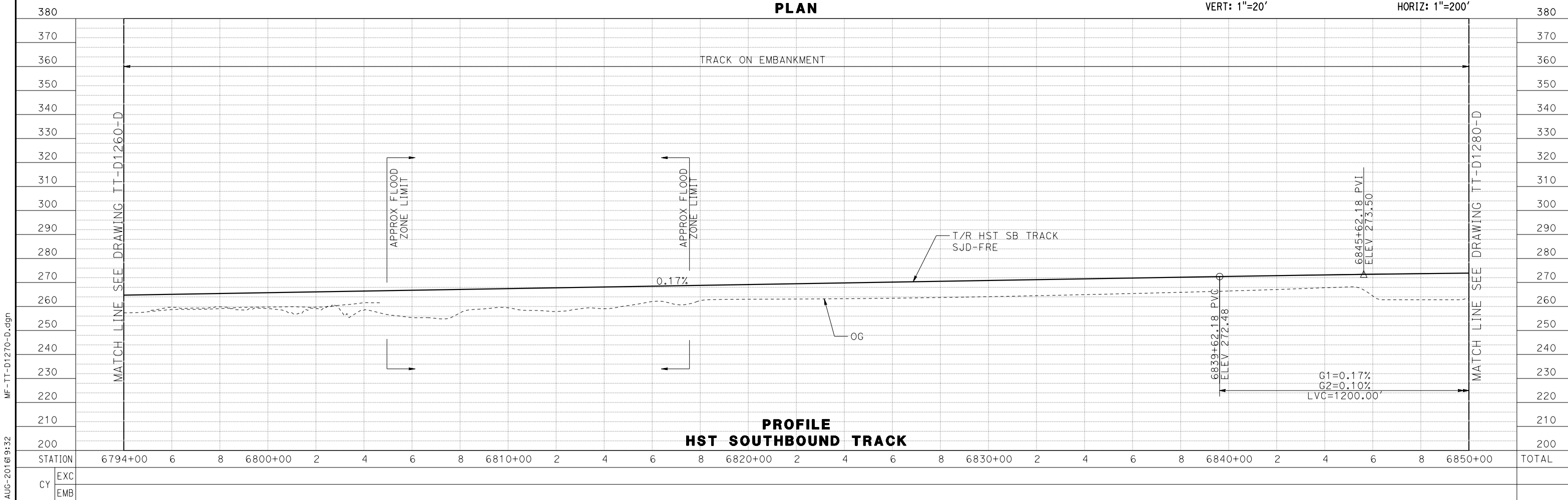
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6738+00 TO 6794+00

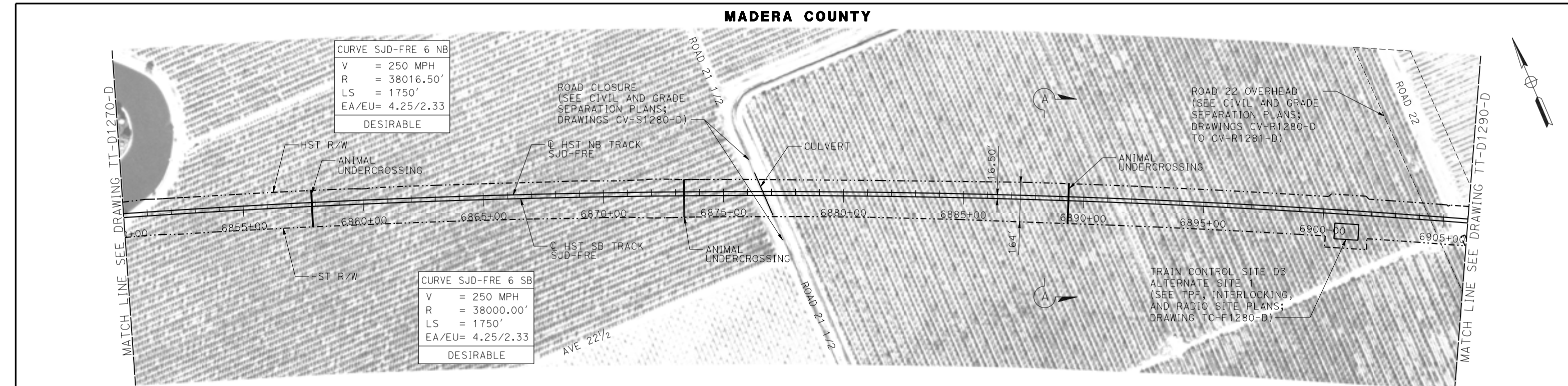
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1260-D
SCALE AS SHOWN
SHEET NO.



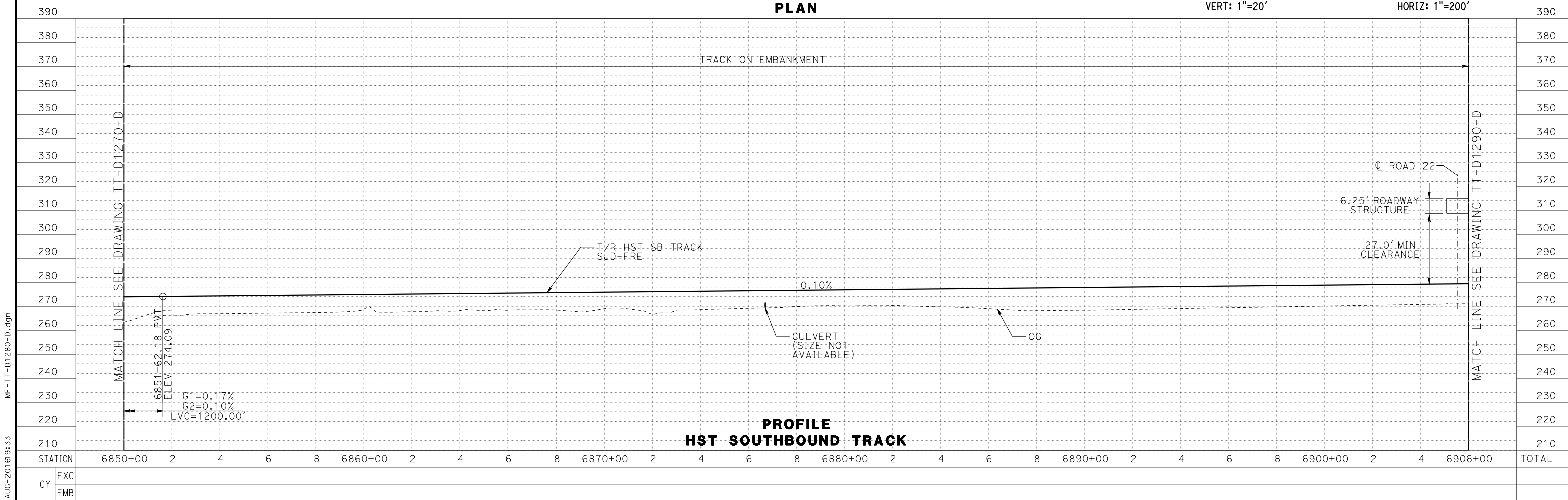
PLAN



15-AUG-2016 9:32 MF-TT-D1270-D.dgn					DESIGNED BY J. PEREZ		RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6794+00 TO 6850+00	CONTRACT NO. HSR08-05
					DRAWN BY J. MARTINE						DRAWING NO. TT-D1270-D
					CHECKED BY N. OUM						SCALE AS SHOWN
					IN CHARGE C. LEMLEY						SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016					

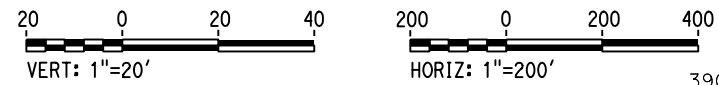
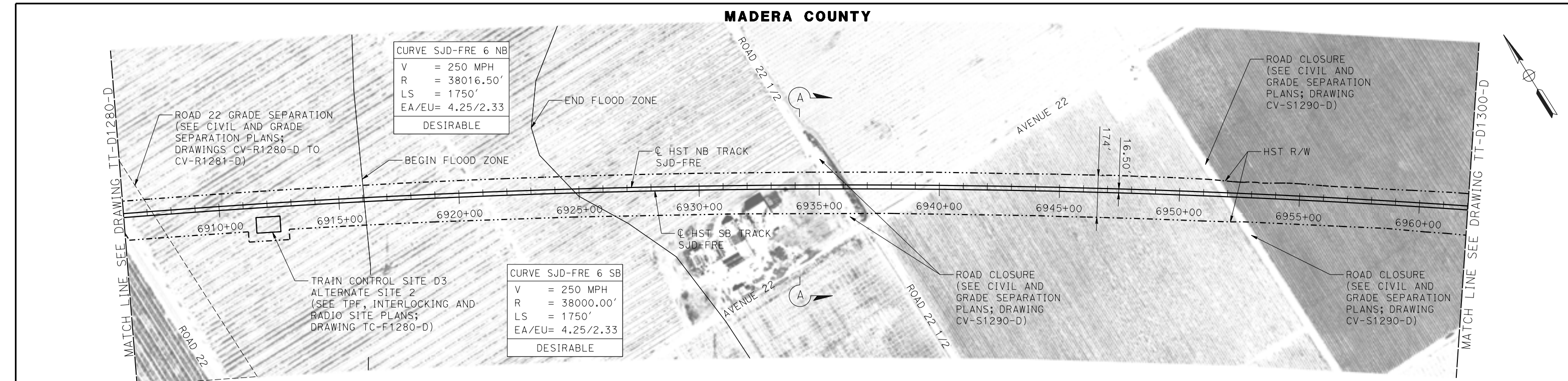


PLAN

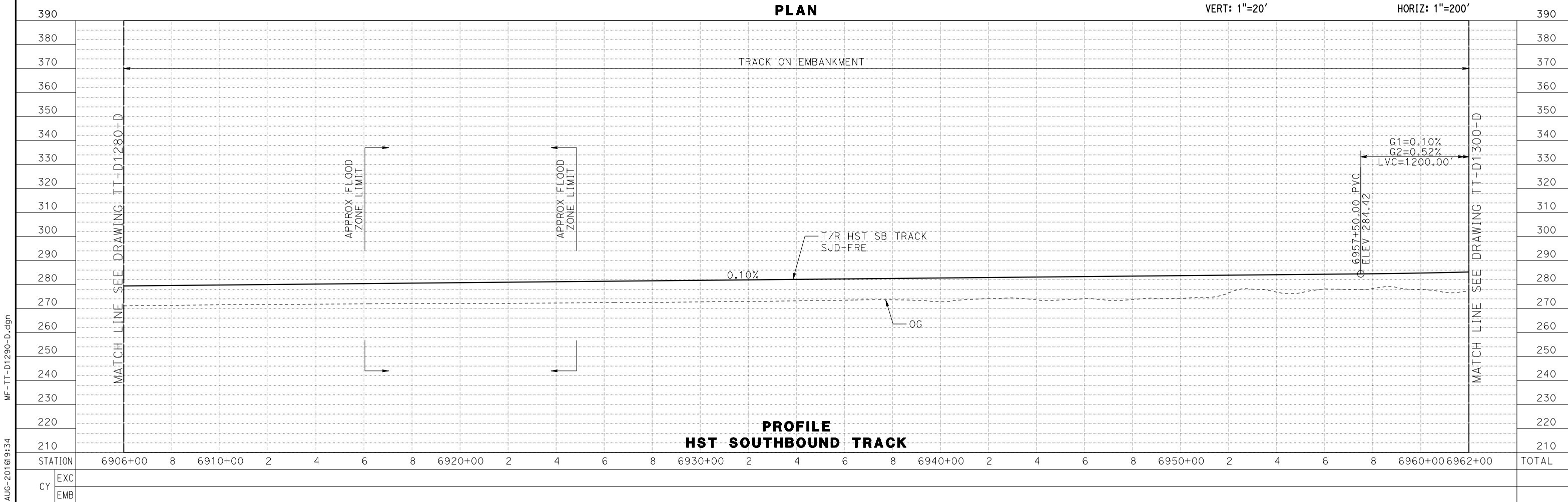


MF-TT-D1280-D.dgn
15-AUG-2016 9:33
p0066533

DESIGNED BY J. PEREZ	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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6850+00 TO 6906+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1280-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	



PLAN

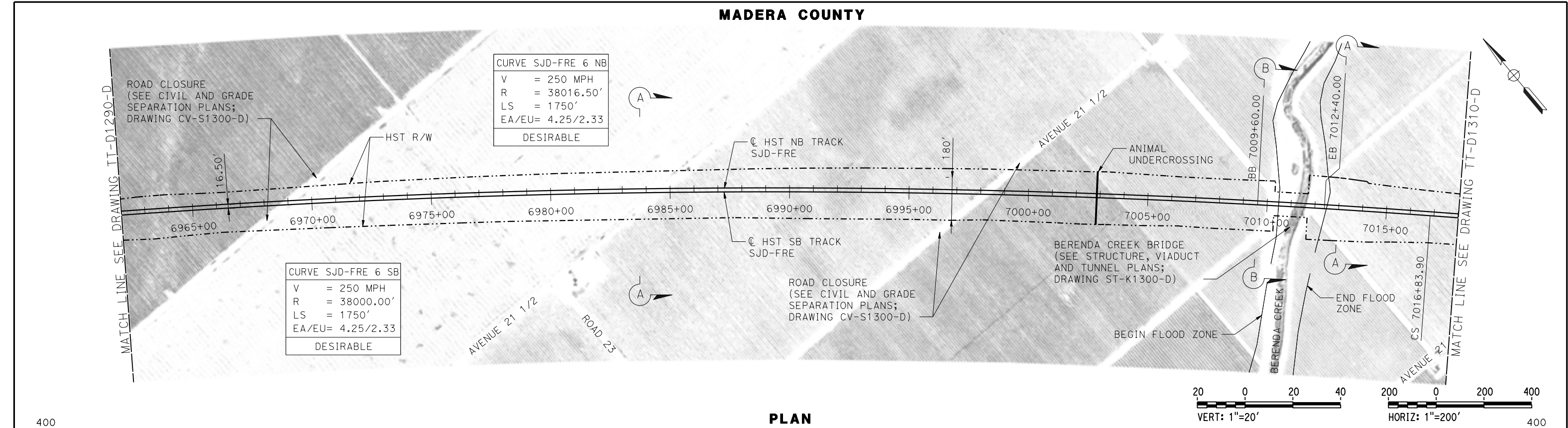


PROFILE
HST SOUTHBOUND TRACK

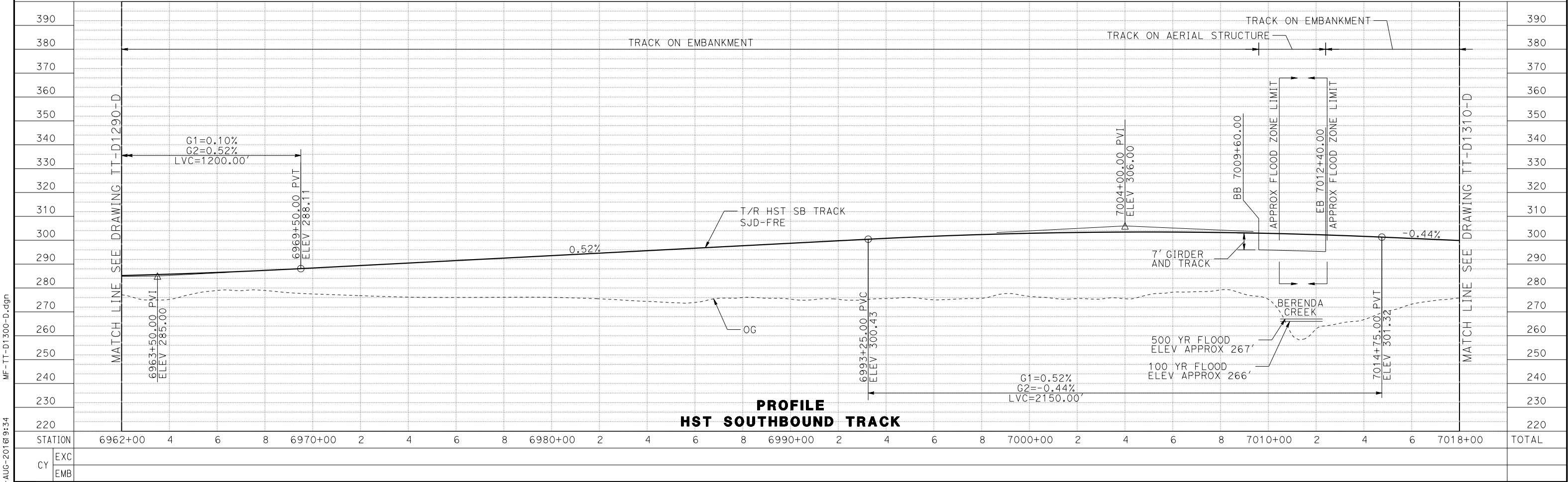
MF-TT-D1290-D.dgn
15-AUG-2016 9:34
p0066533

DESIGNED BY J. PEREZ	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 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6906+00 TO 6962+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1290-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1300-D.dgn
15-AUG-2016 9:34
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

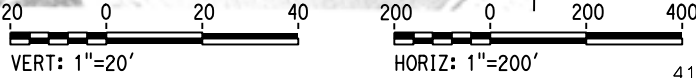
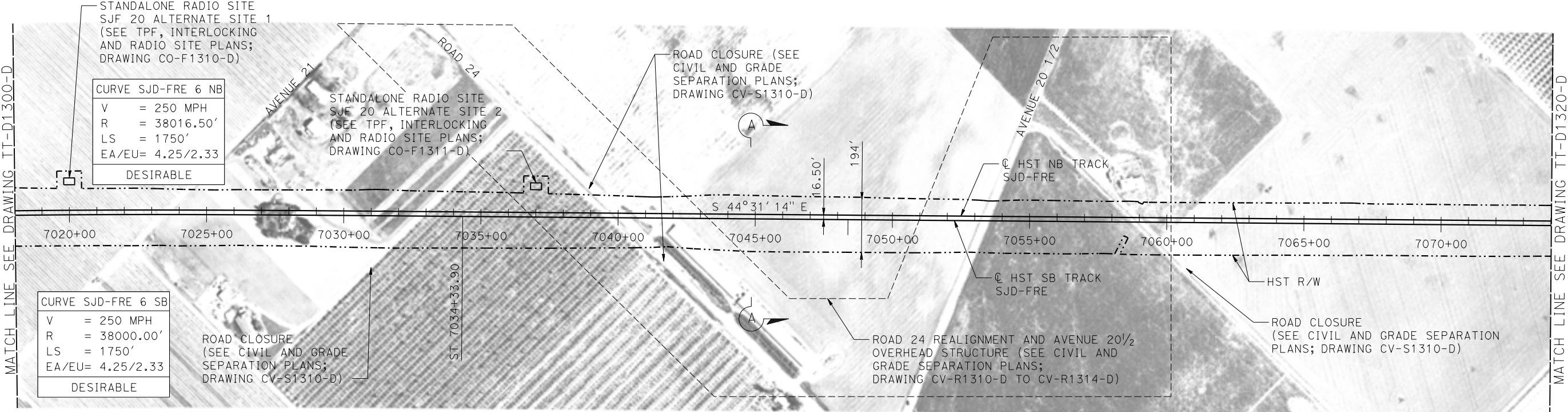
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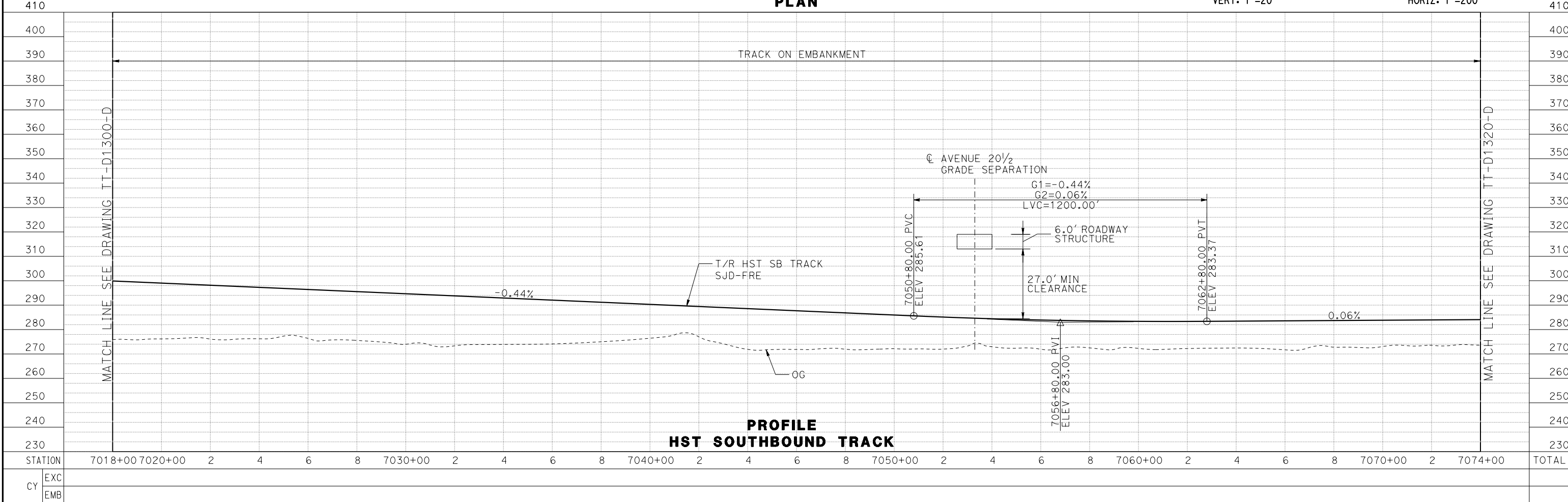
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6962+00 TO 7018+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:35 MF-TT-D1310-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

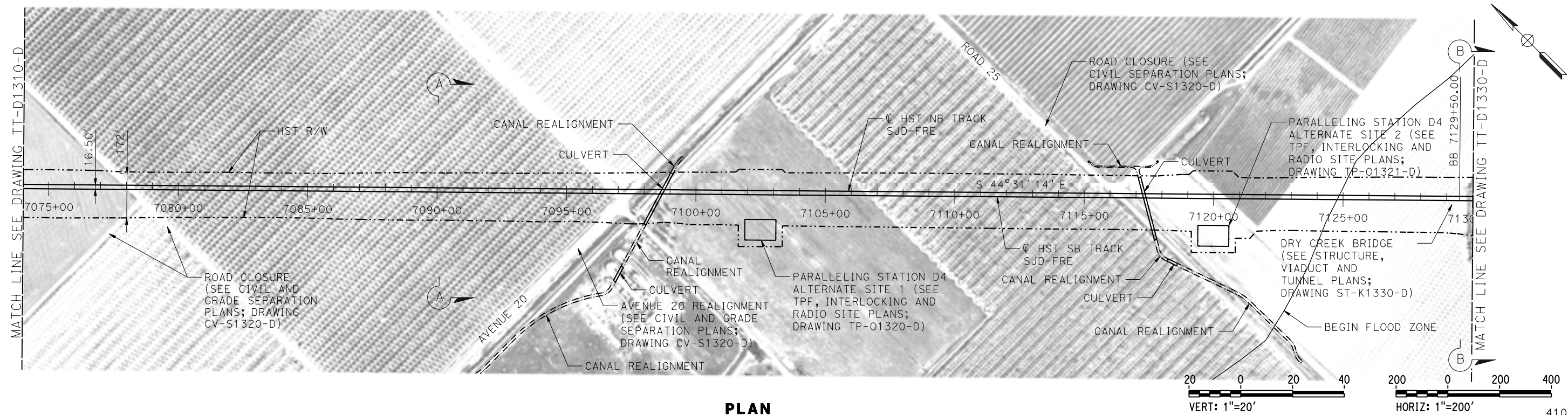
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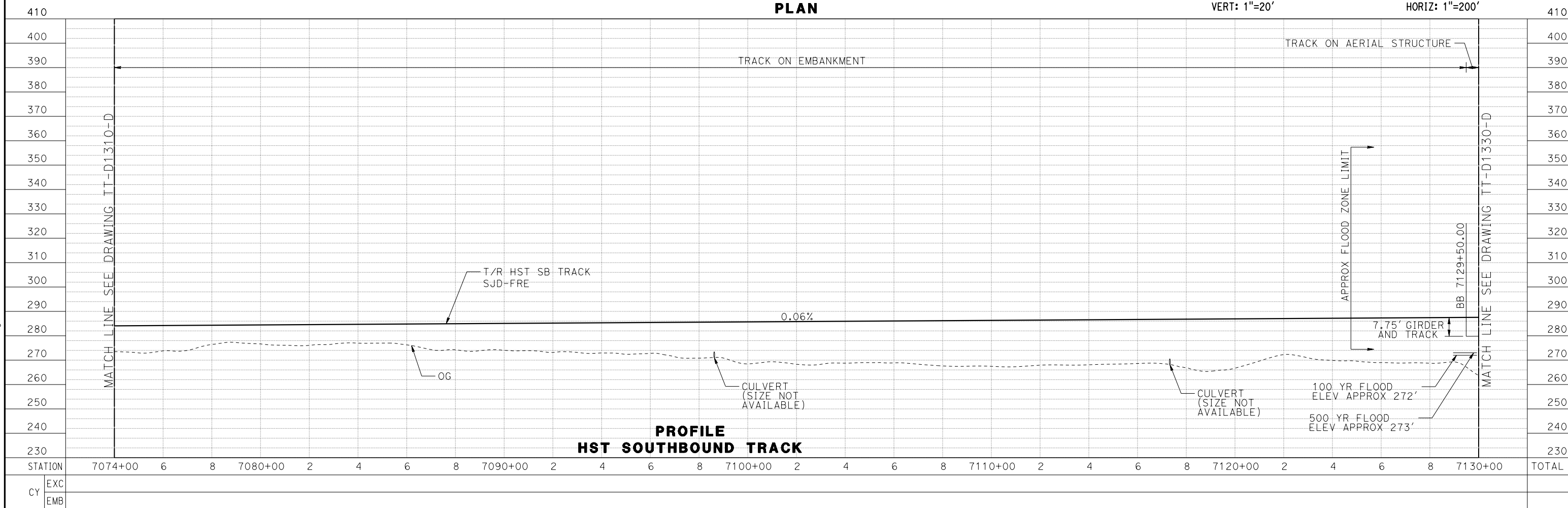
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7018+00 TO 7074+00

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

MADERA COUNTY



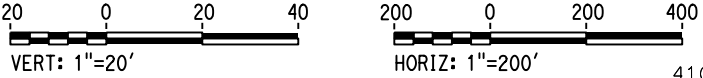
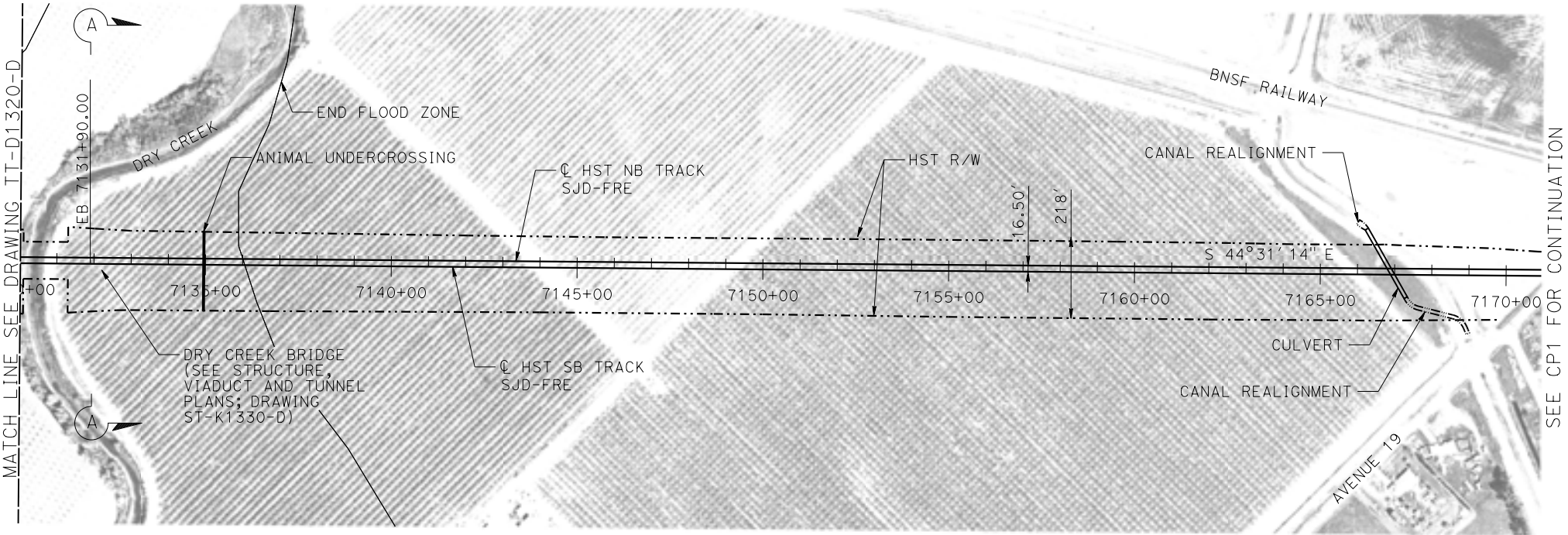
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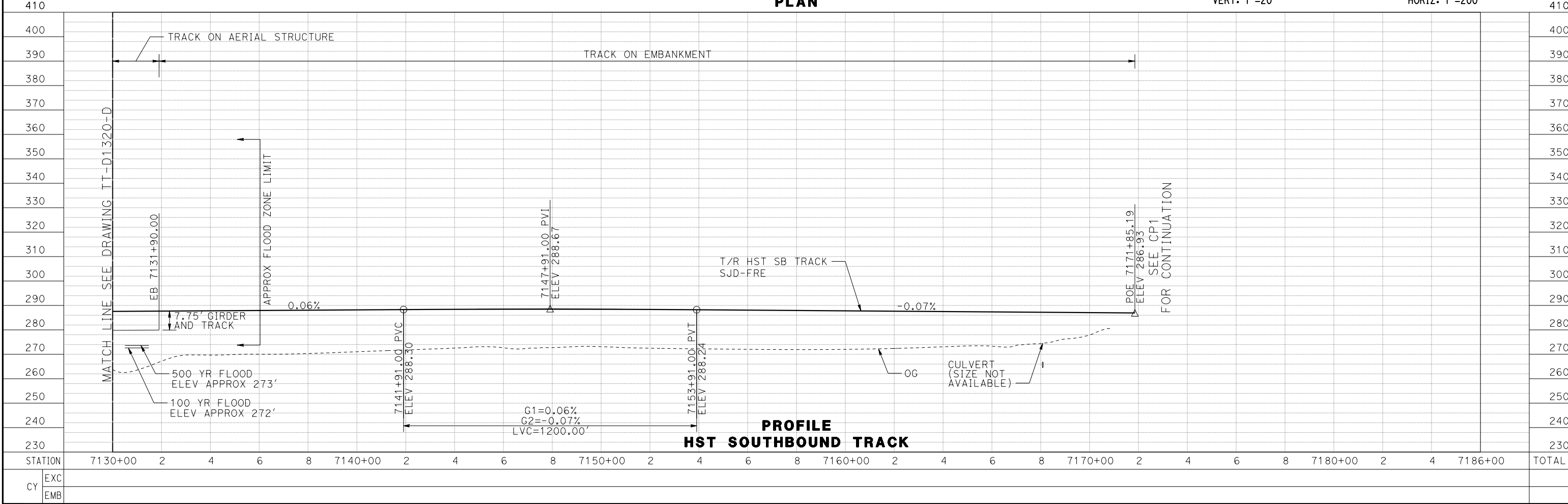
PROFILE
HST SOUTHBOUND TRACK

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MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1330-D.dgn
15-AUG-2016 9:36
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. MARTINE
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

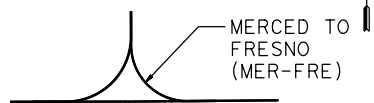
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CONSTRUCTION



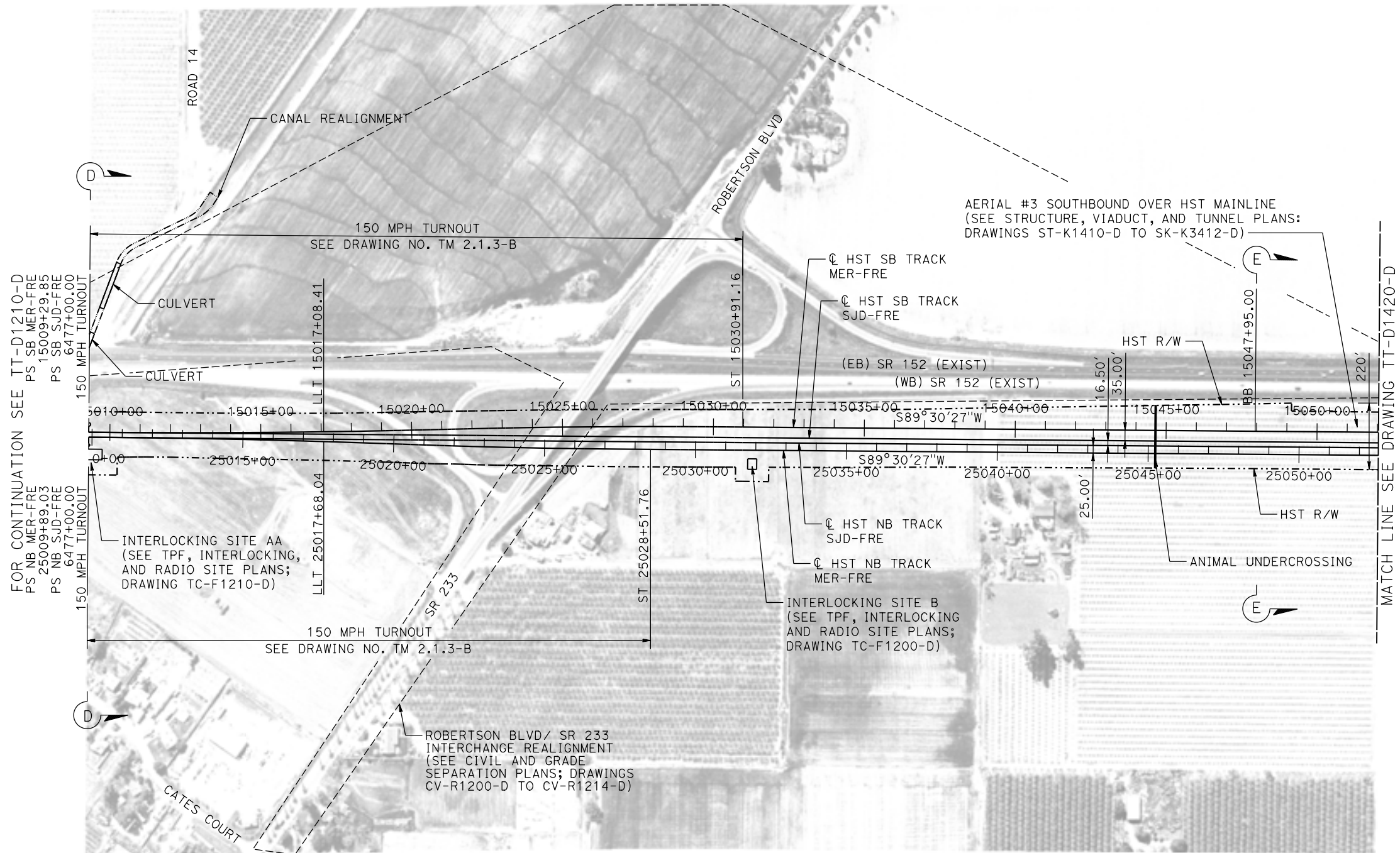
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7130+00 TO 7171+85.19

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

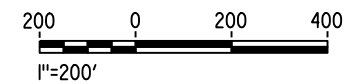
WYE CONNECTIONS SCHEMATIC



MADERA COUNTY



PLAN



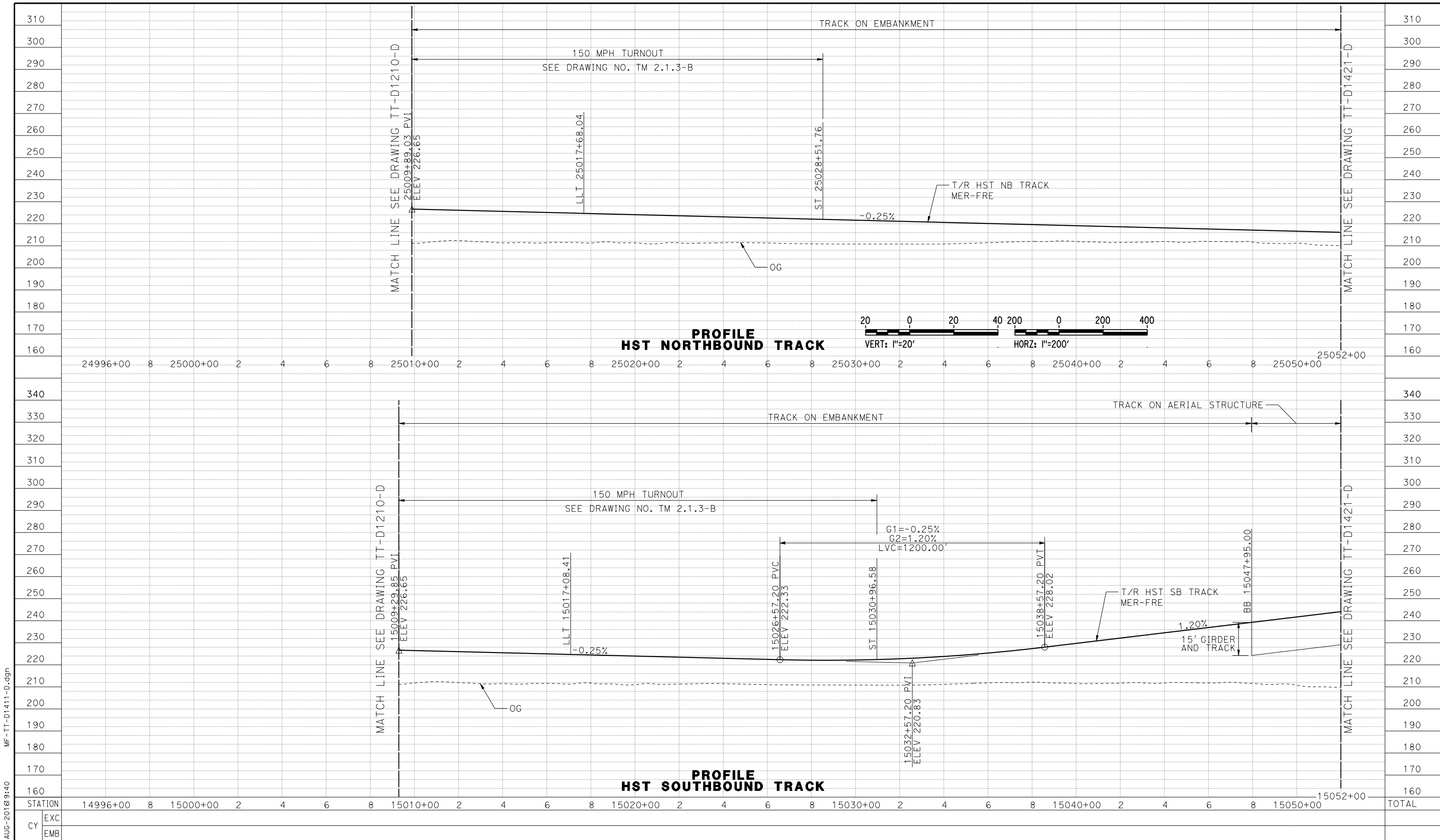
p0042226 16-AUG-2016 09:38 MF-TT-D1410-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTALNOT FOR
CONSTRUCTIONCALIFORNIA
HIGH-SPEED RAIL AUTHORITYCALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTIONCENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15009+29.85 TO 15052+00

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



15-AUG-2016 9:40 MF-TT-D1411-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

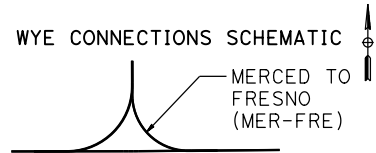
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

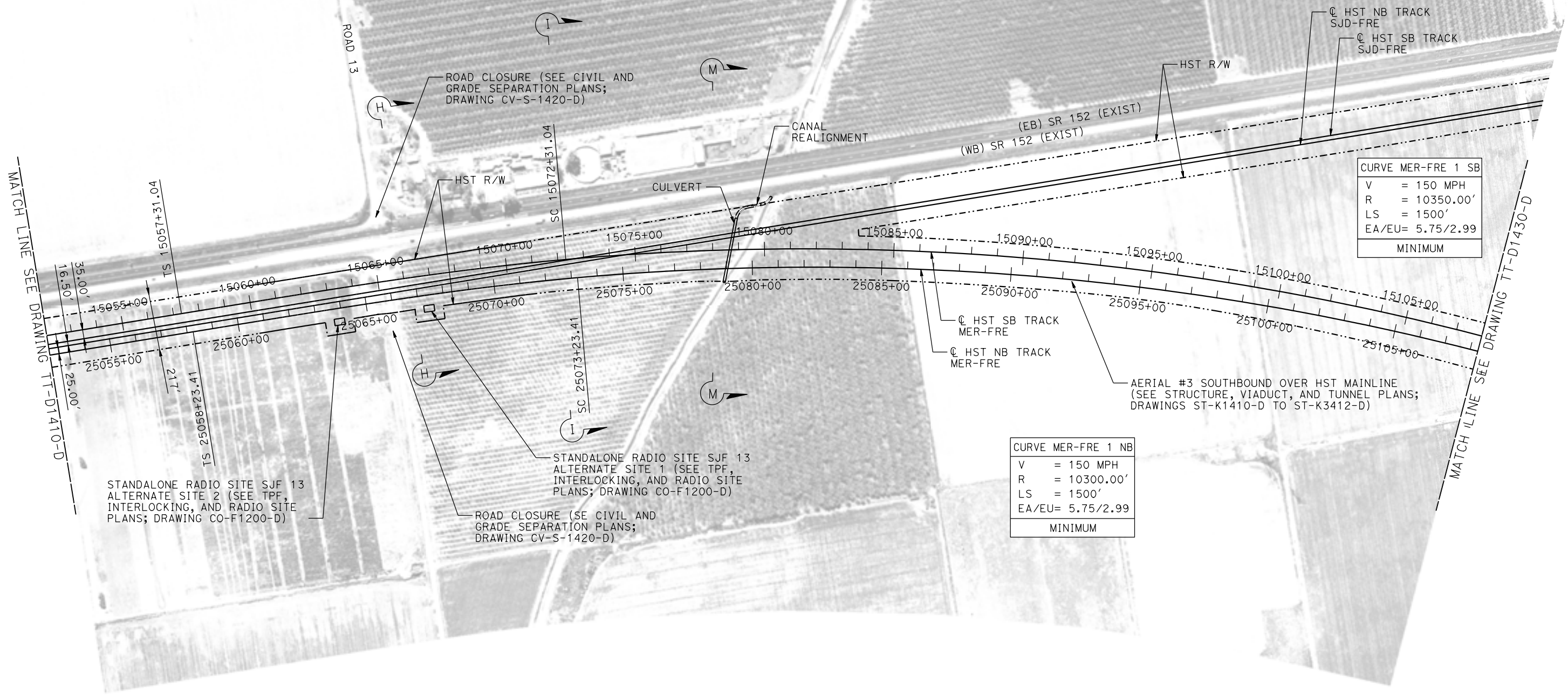


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15009+29.85 TO 15052+00

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



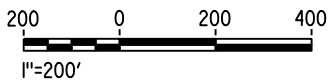
MADERA COUNTY



CURVE MER-FRE 1 SB	
V	= 150 MPH
R	= 10350.00'
LS	= 1500'
EA/EU	= 5.75/2.99
MINIMUM	

CURVE MER-FRE 1 NB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU	= 5.75/2.99
MINIMUM	

PLAN



16-AUG-2016 09:42 MF-TT-D1420-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

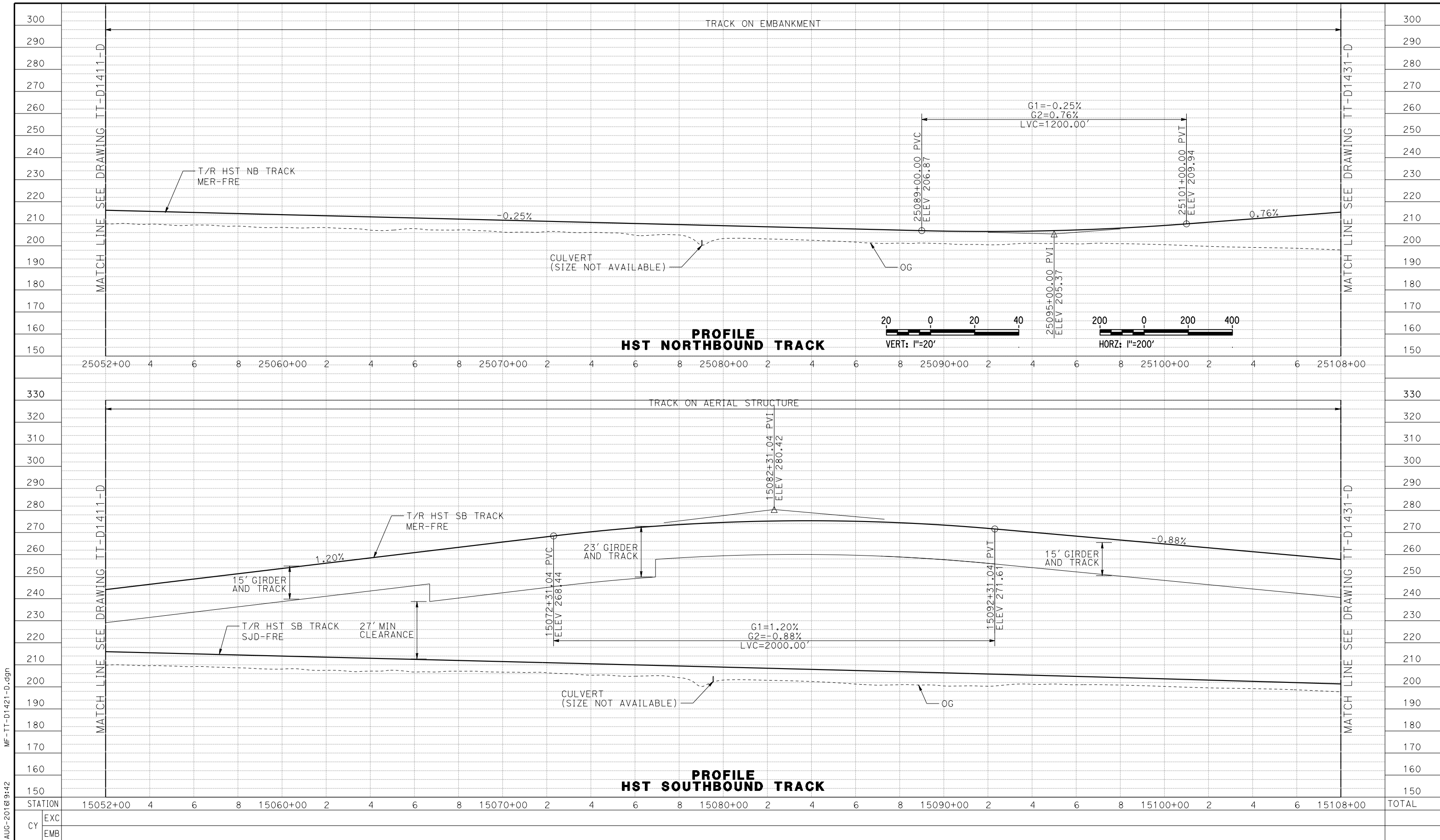
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15052+00 TO 15108+00

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



MF-TT-D1421-D.dgn
15-AUG-2016 9:42
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

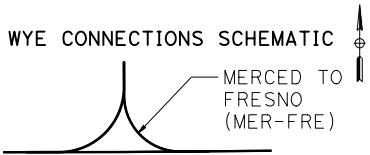
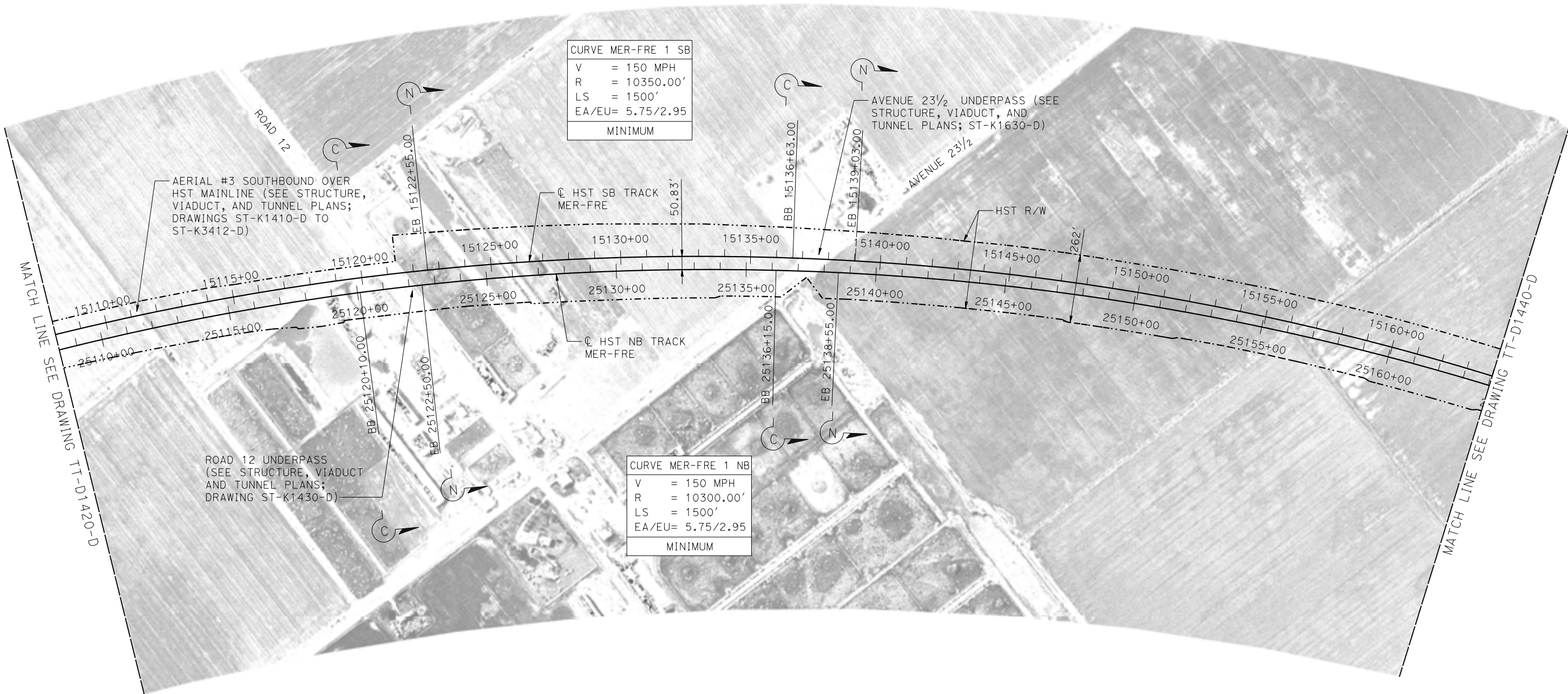
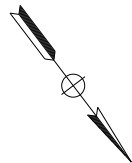
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15052+00 TO 15108+00

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

MADERA COUNTY



PLAN

08-SEP-2016 13:45 MF-TT-D1430-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

**PARSONS**

**CALIFORNIA**
HIGH-SPEED RAIL AUTHORITY

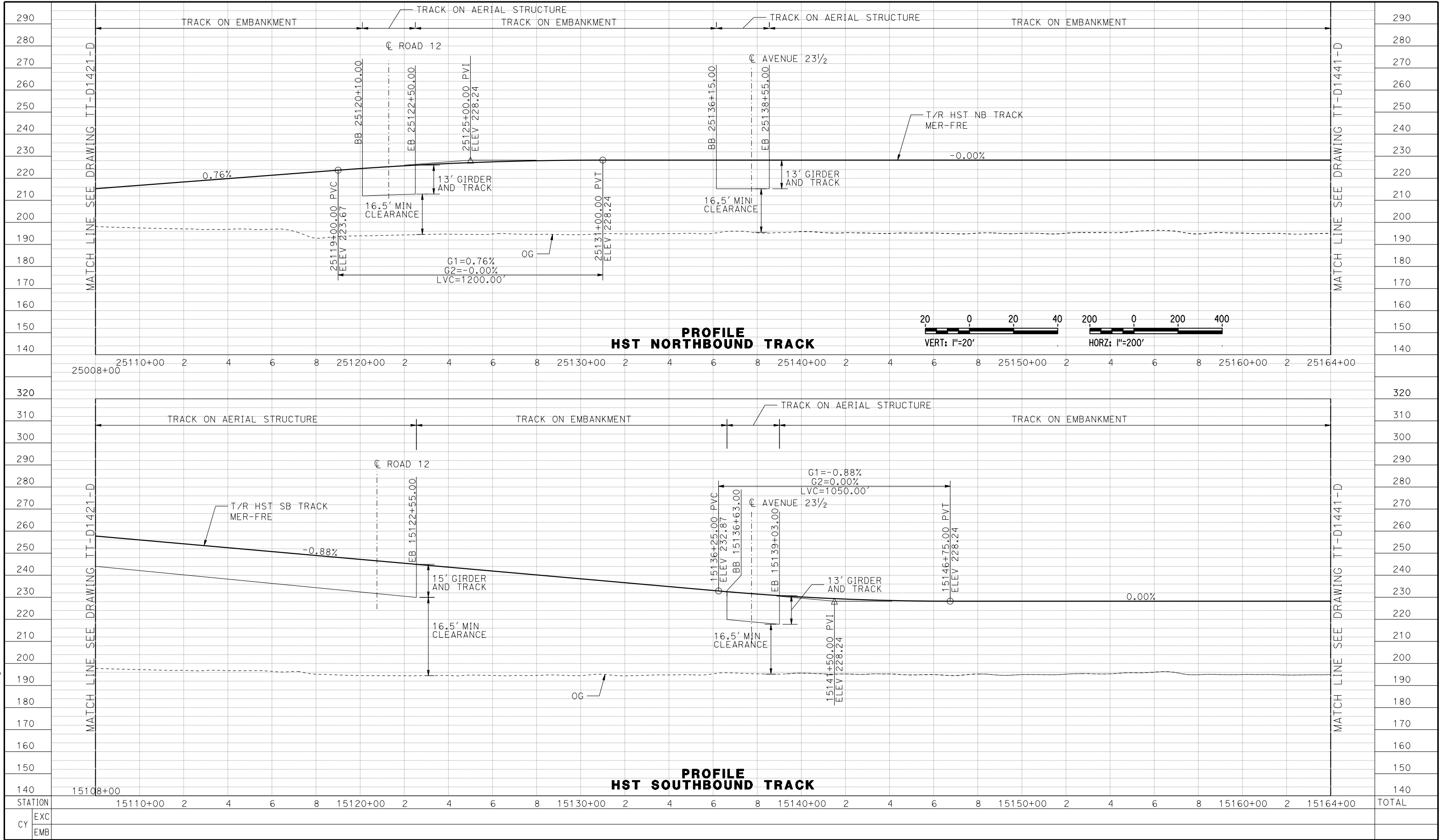
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15108+00 TO 15164+00

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

15-AUG-2016 9:44 MF-TT-D1431-D.dgn

p0066533



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

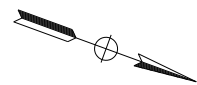
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15108+00 TO 15164+00

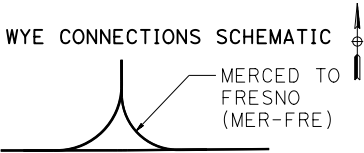
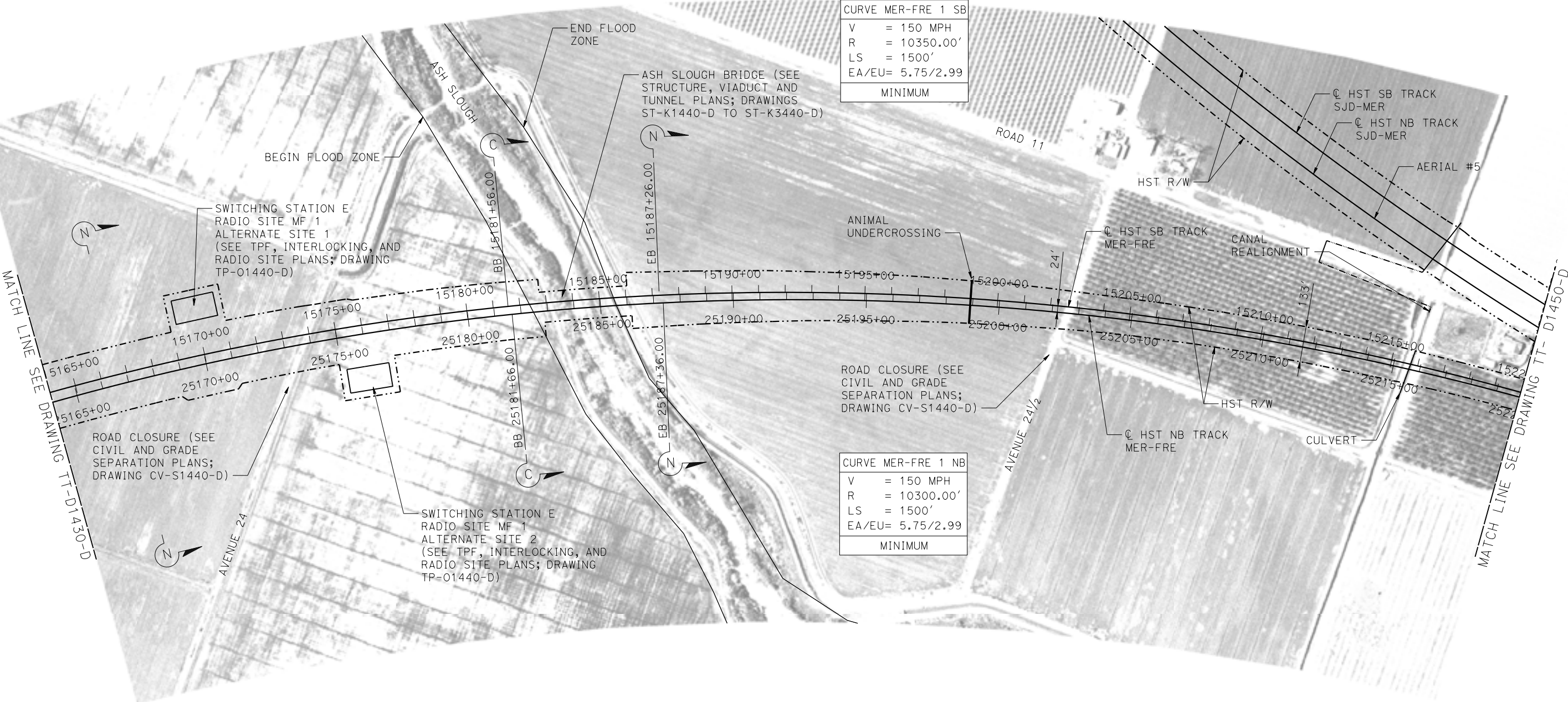
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1431-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



CURVE MER-FRE 1 SB	
V	= 150 MPH
R	= 10350.00'
LS	= 1500'
EA/EU	= 5.75/2.99
MINIMUM	

CURVE MER-FRE 1 NB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU	= 5.75/2.99
MINIMUM	



PLAN

15-AUG-2016 9:44 MF-TT-D1440-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

**PARSONS**

**CALIFORNIA**
HIGH-SPEED RAIL AUTHORITY

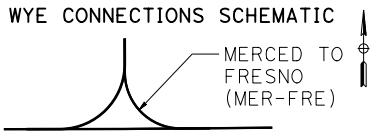
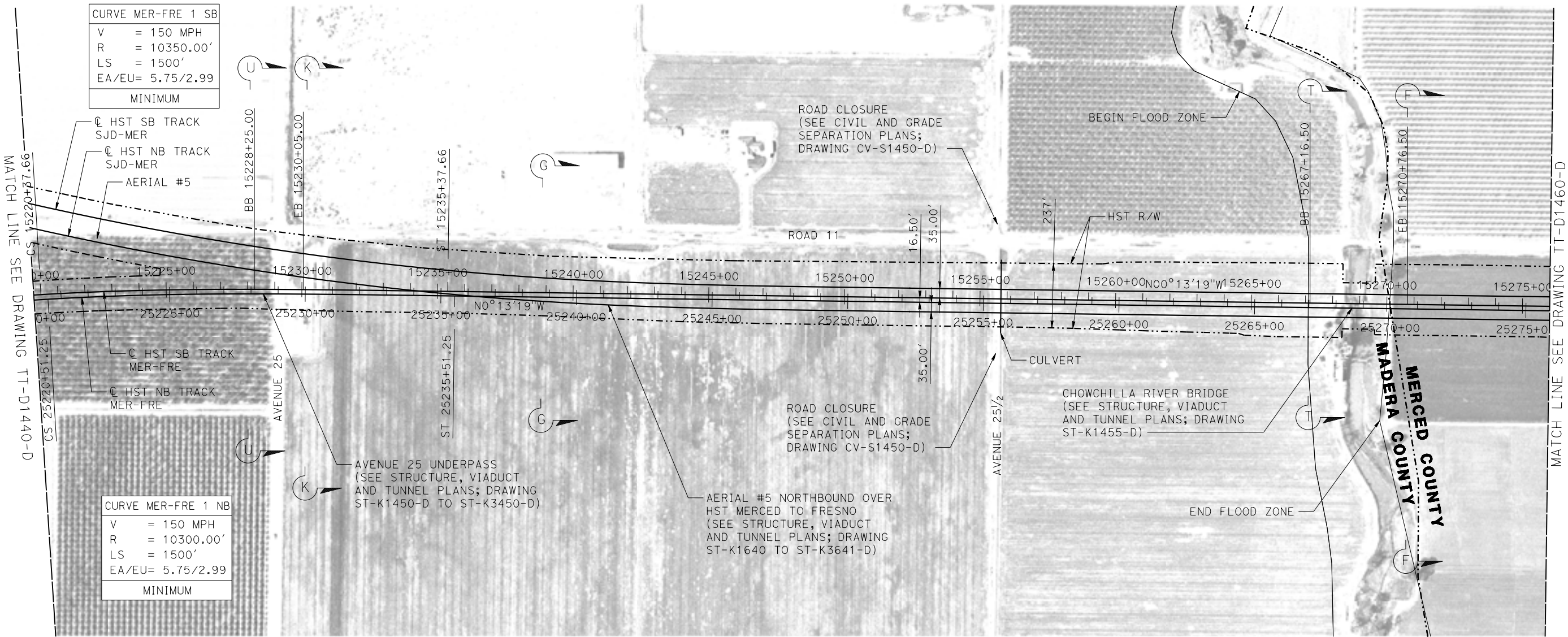
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15164+00 TO 15220+00

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



MADERA COUNTY

MERCED COUNTY



PLAN

15-AUG-2016 9:45 MF-TT-D1450-D.dgn

00066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

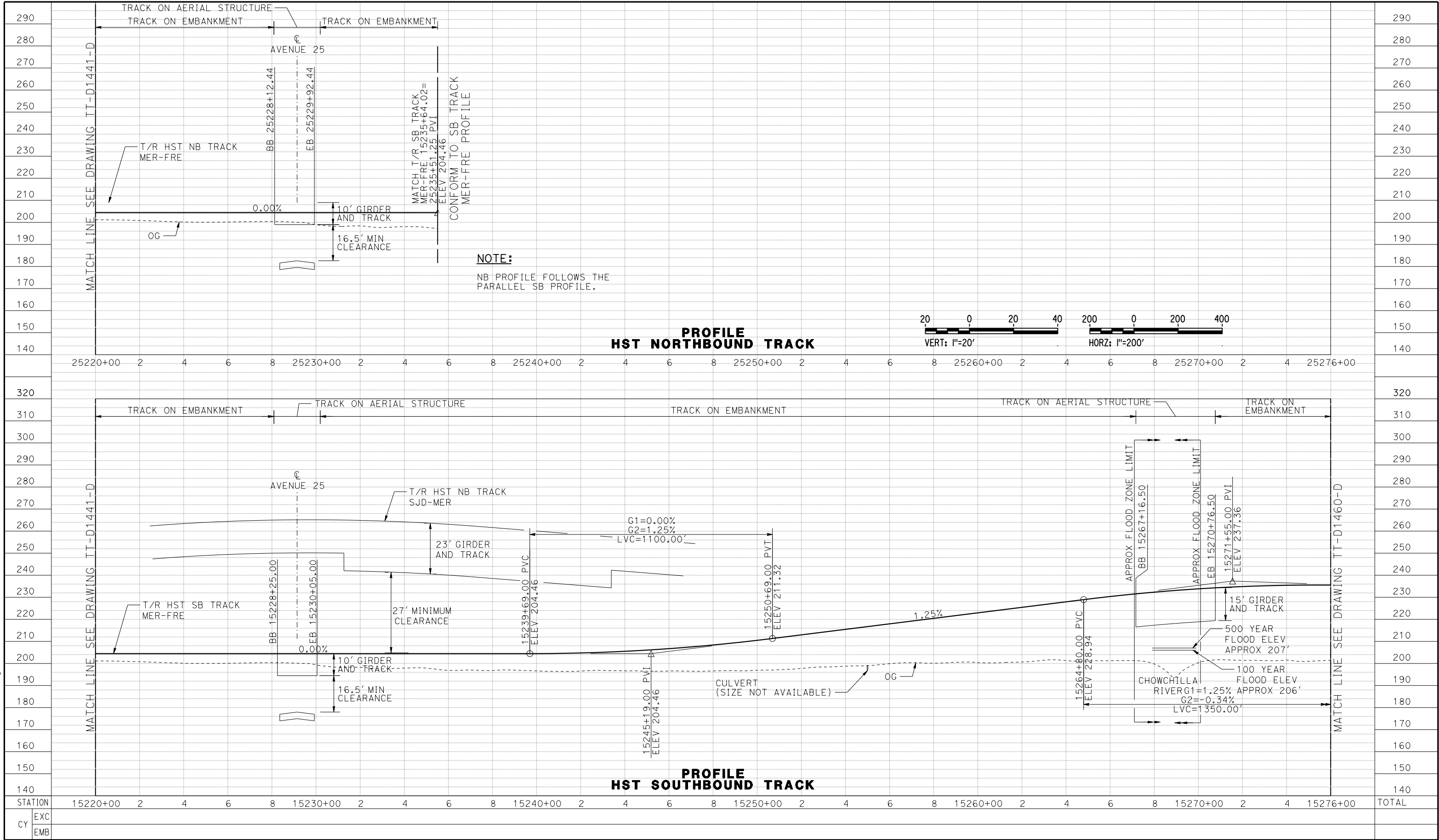
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15220+00 TO 15276+00

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

p0066533 15-AUG-2016 9:47 MF-TT-D1451-D.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

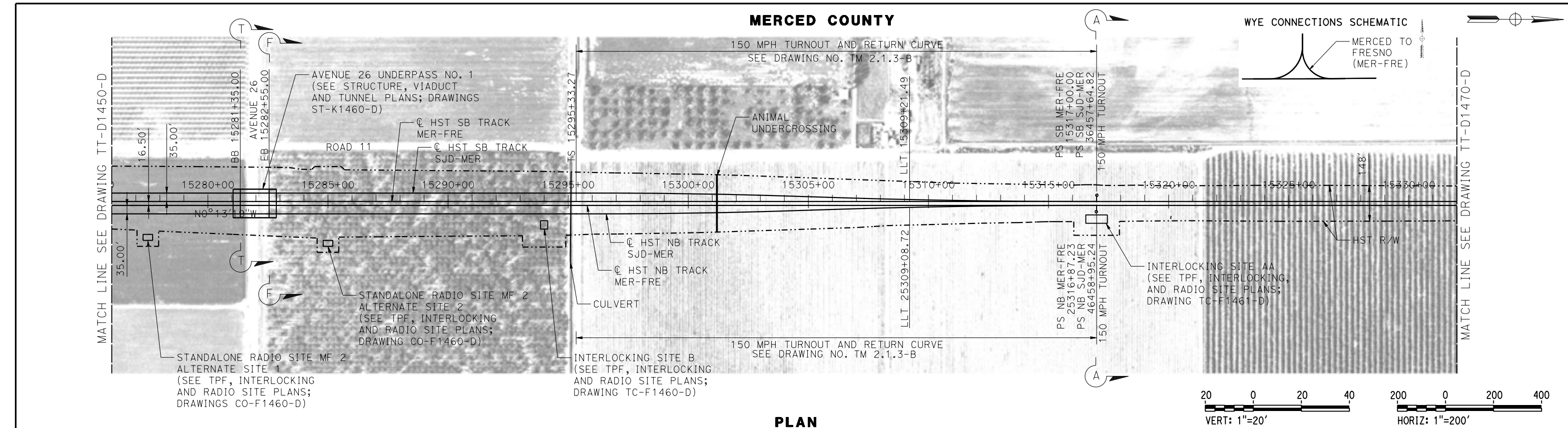
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

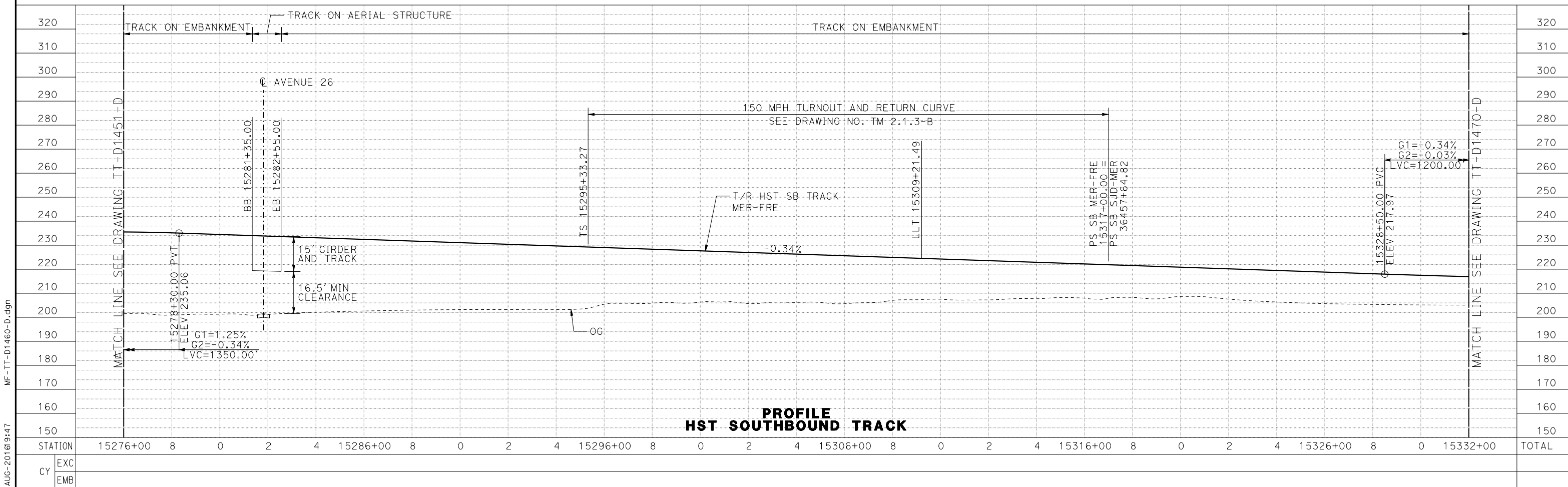


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15220+00 TO 15276+00

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



PLAN



MF-TT-D1460-D.dgn
15-AUG-2016 9:47
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

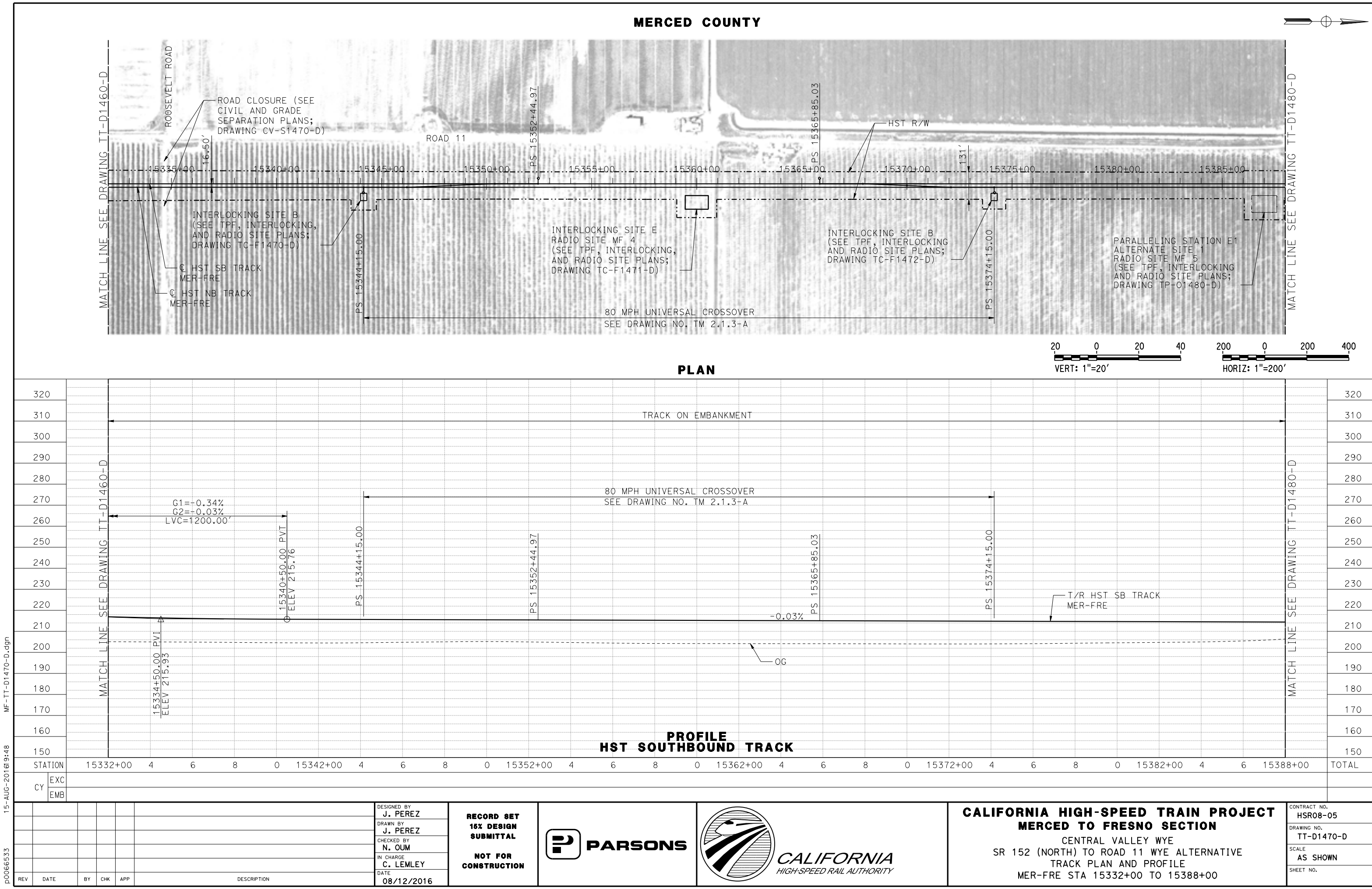
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

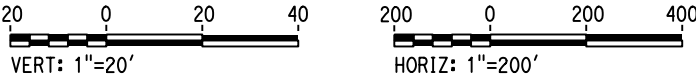
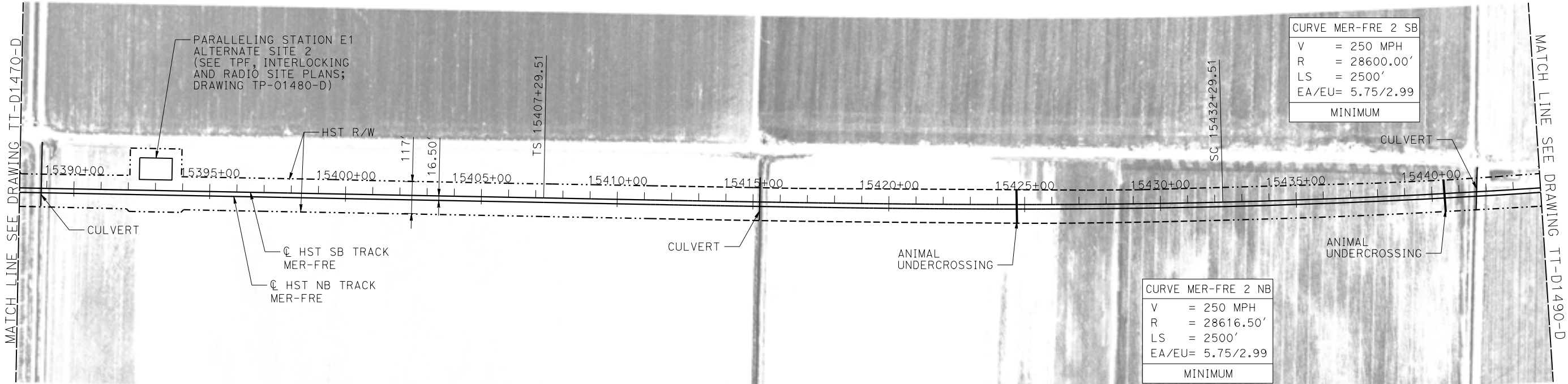


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15276+00 TO 15332+00

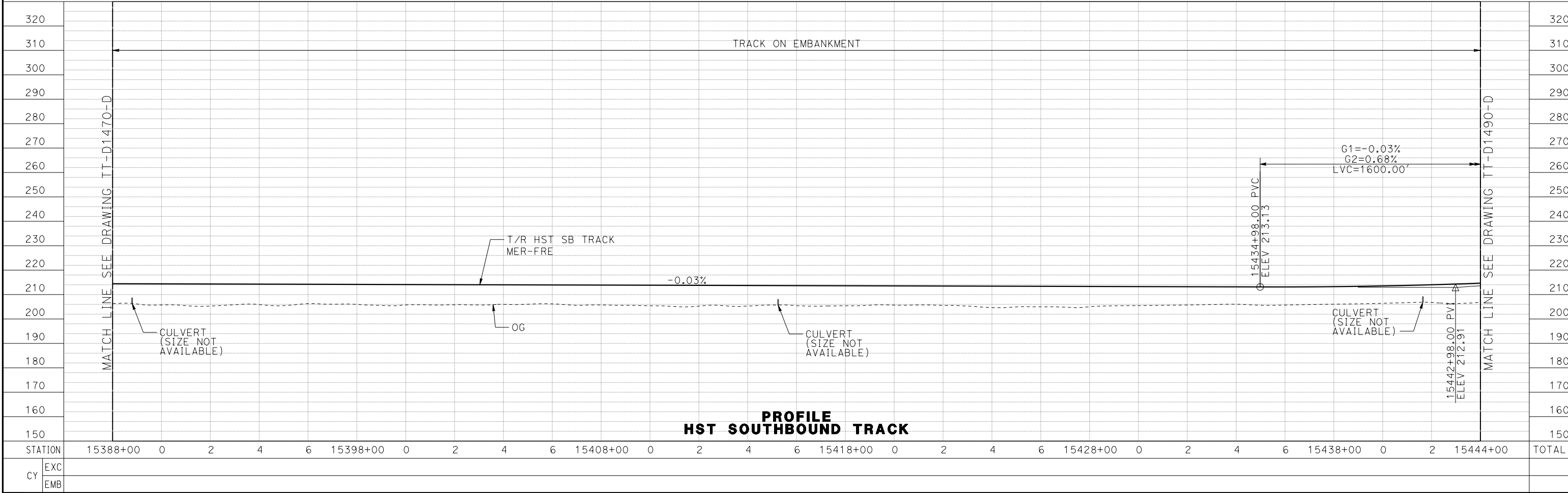
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1460-D
SCALE
AS SHOWN
SHEET NO.



MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:48 MF-TT-D1480-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



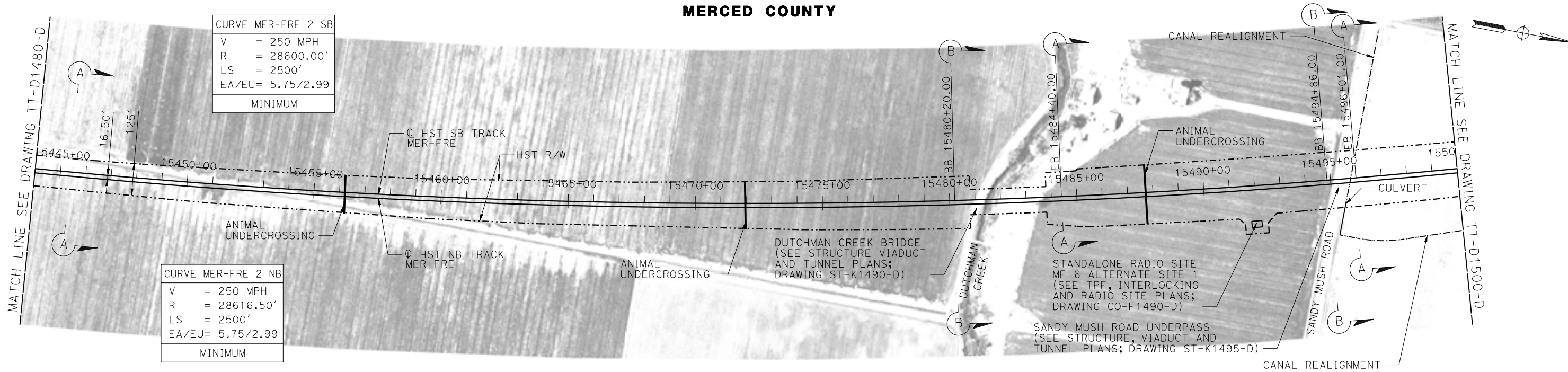
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15388+00 TO 15444+00

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

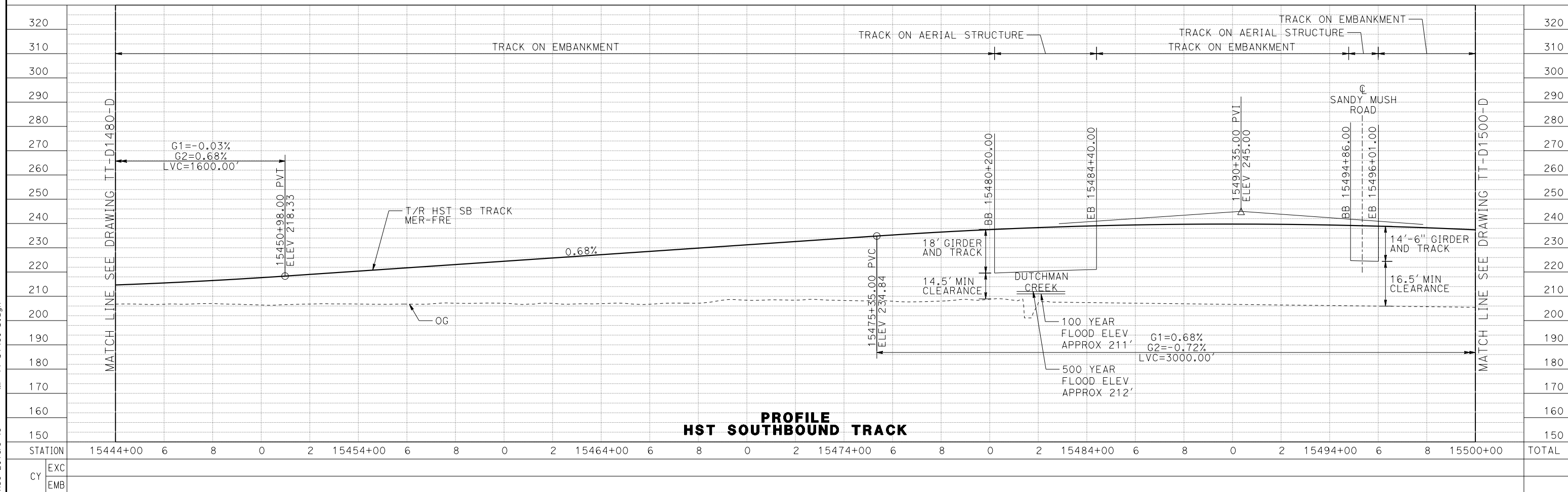
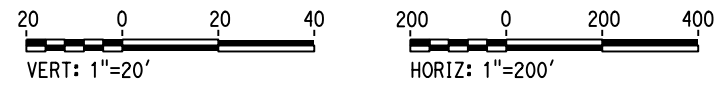
15-AUG-2016 9:49 MF-TT-D1490-D.dgn

p0066533

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

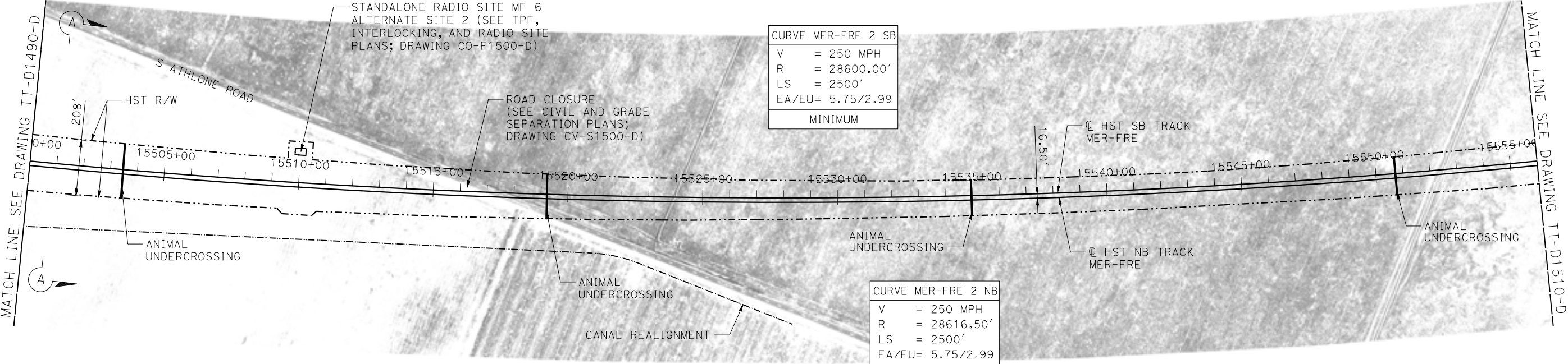
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15444+00 TO 15500+00

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

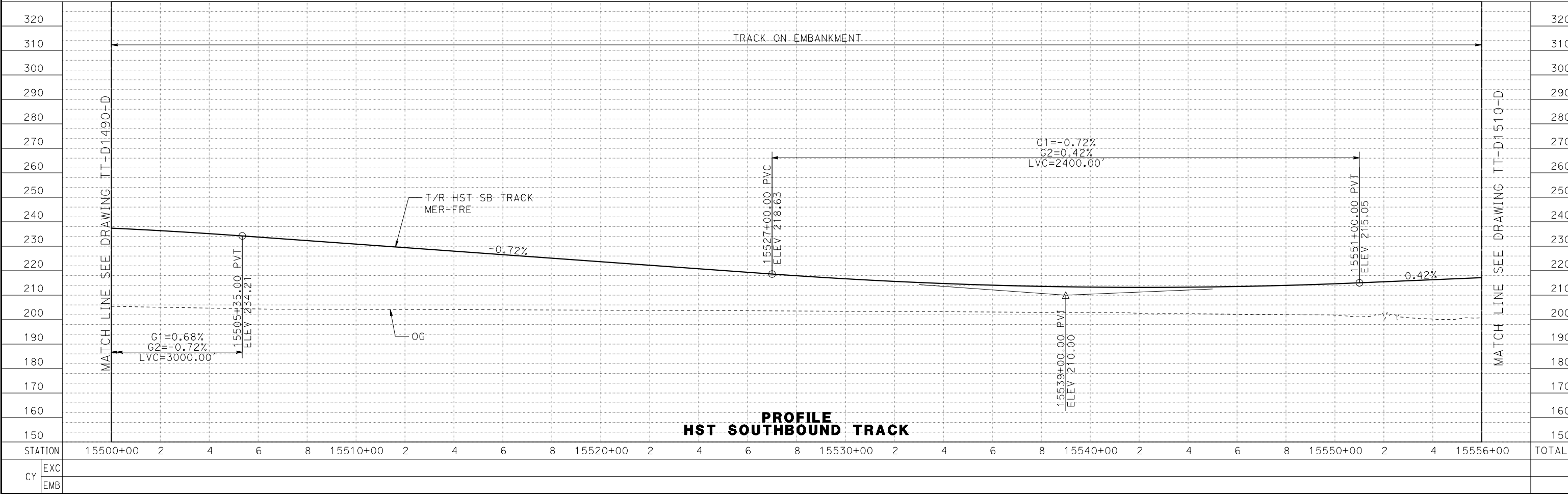
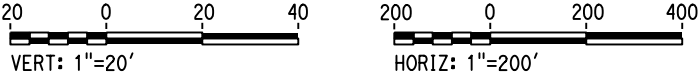
MERCED COUNTY



CURVE MER-FRE 2 SB	
V	= 250 MPH
R	= 28600.00'
LS	= 2500'
EA/EU	= 5.75/2.99
MINIMUM	

CURVE MER-FRE 2 NB	
V	= 250 MPH
R	= 28616.50'
LS	= 2500'
EA/EU	= 5.75/2.99
MINIMUM	

PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:50 MF-TT-D1500-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

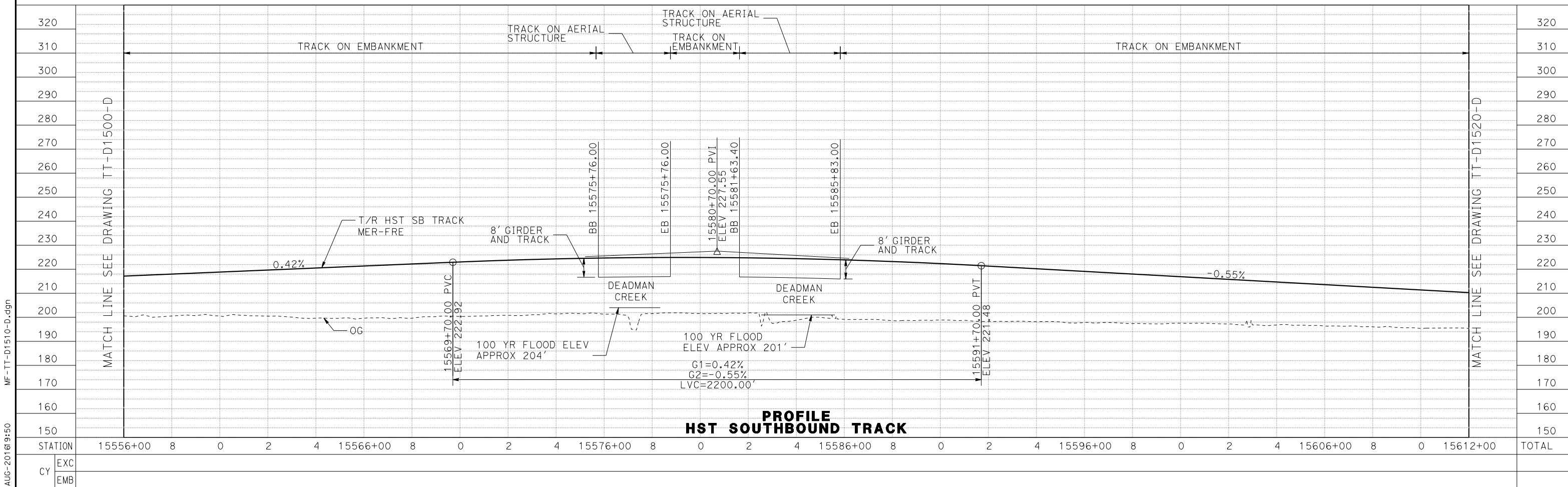
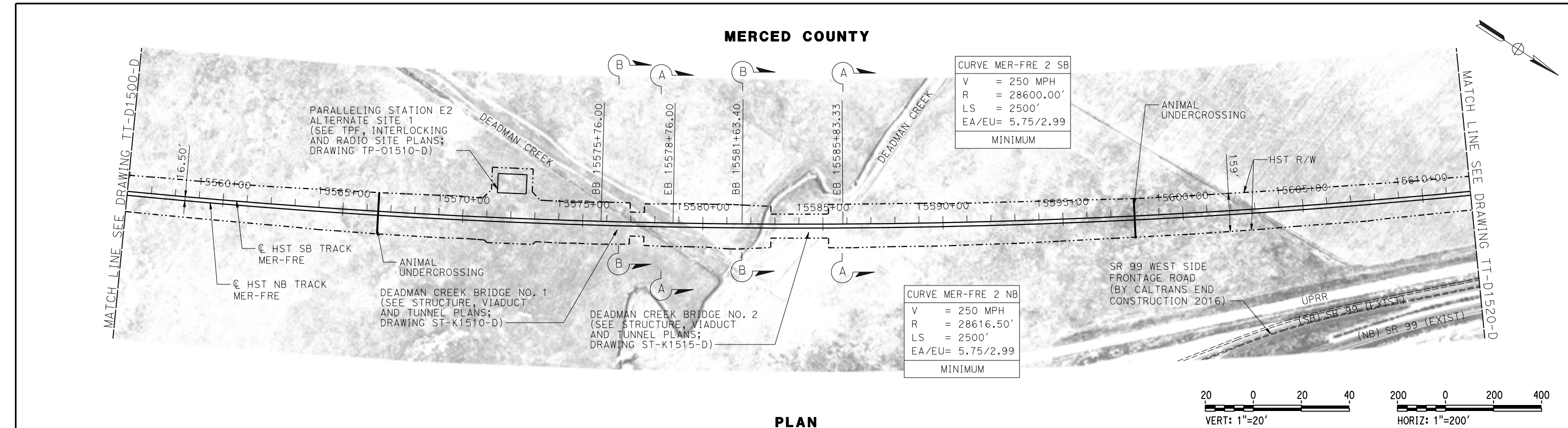
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



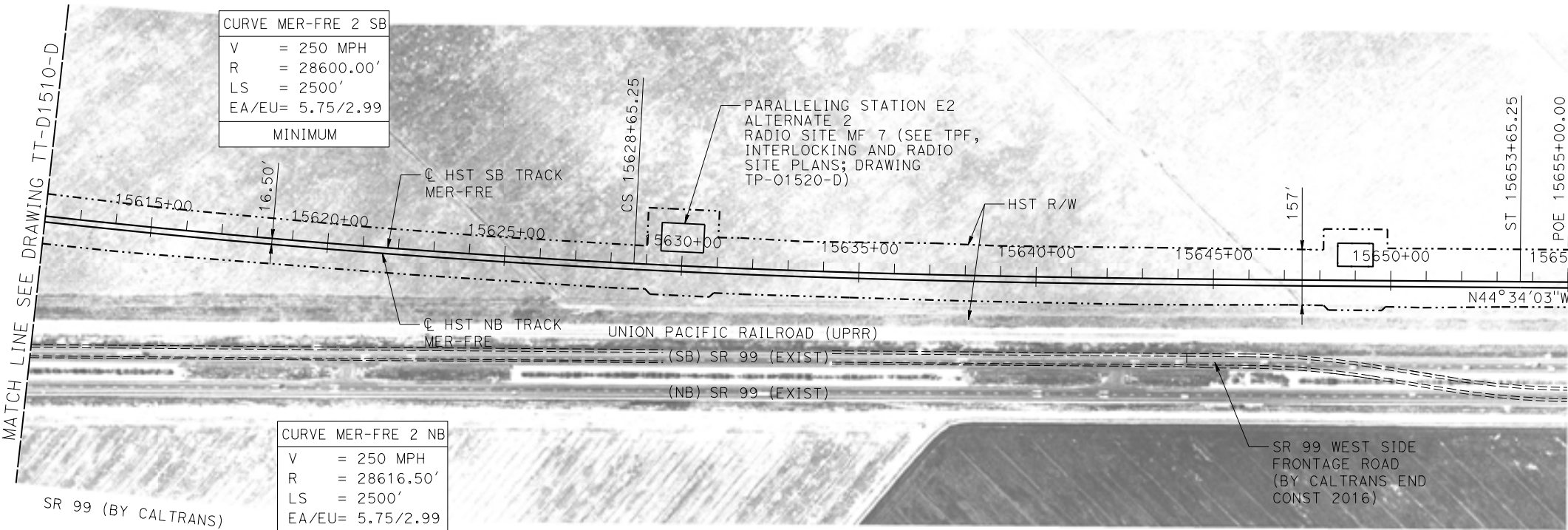
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15500+00 TO 15556+00

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

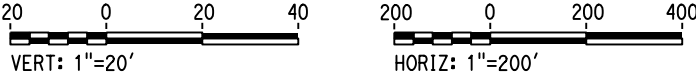


DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15556+00 TO 15612+00	CONTRACT NO. HSR08-05
DRAWN BY J. PEREZ						DRAWING NO. TT-D1510-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION	

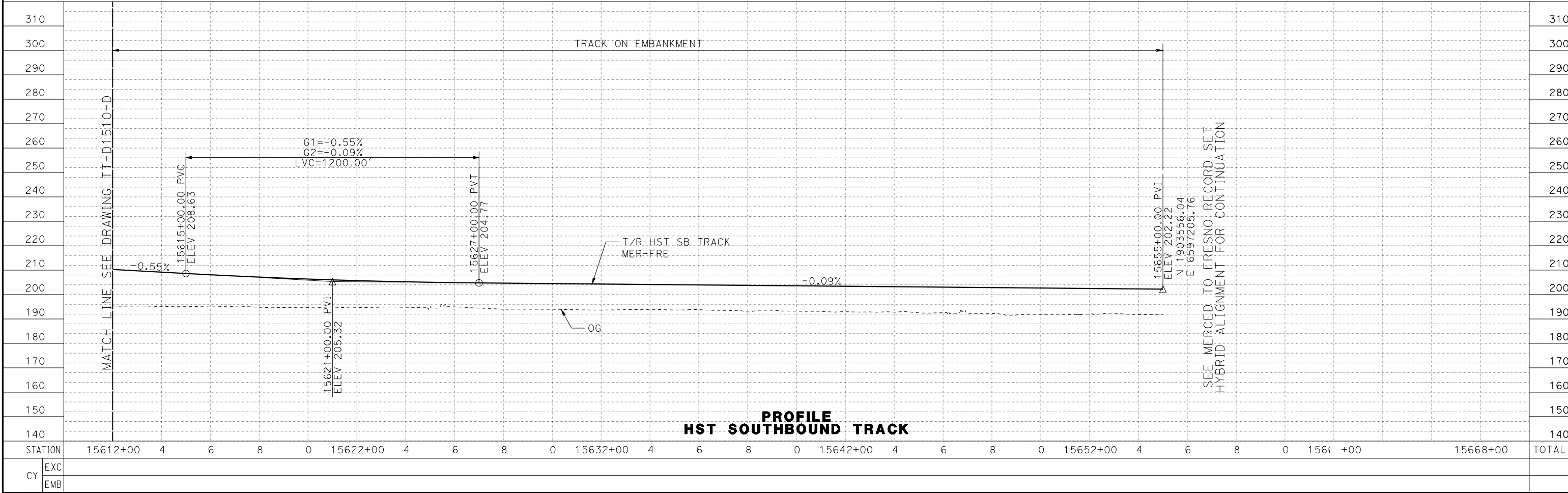
MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION



PLAN



SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION

PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1520-D.dgn
15-AUG-2016 9:51
p0066533

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

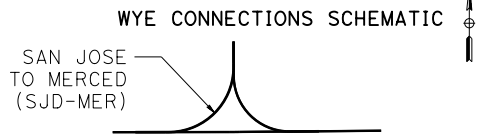
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15612+00 TO 15665+00

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

p0066533 15-AUG-2016 9:52 MF-TT-D1610-D.dgn



MADERA COUNTY

SEE DRAWING TT-D1150-D FOR CONTINUATION

PS SB SJD-MER
36128+14.76 =
PS NB SJD-FRE
6128+15.00
150 MPH TURNOUT

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

LLT 36135+81.09
LLT 46135+93.13

ST 36146+65.49

ST 46149+81.89

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

ROAD 8

ROAD 8

INTERLOCKING SITE B
(SEE TPF, INTERLOCKING
AND RADIO SITE PLANS;
DRAWING TC-F1151-D)

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

CL HST SB TRACK
SJD-MER

CL HST NB TRACK
SJD-FRE

AERIAL #4 NORTHBOUND OVER
HST MAINLINE (SEE
STRUCTURE, VIADUCT AND
TUNNEL PLANS; DRAWINGS
ST-K1610-D TO ST-K3611-D)

SR 152

CL HST SB TRACK
SJD-FRE

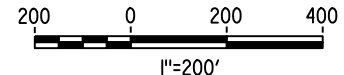
CL HST NB TRACK
SJD-MER

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

SR 152 REALIGNMENT AT ROAD 9
(SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWINGS
CV-R1160-D TO CV-R1169-D)

MATCH LINE SEE DRAWING TT-D1620-D

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

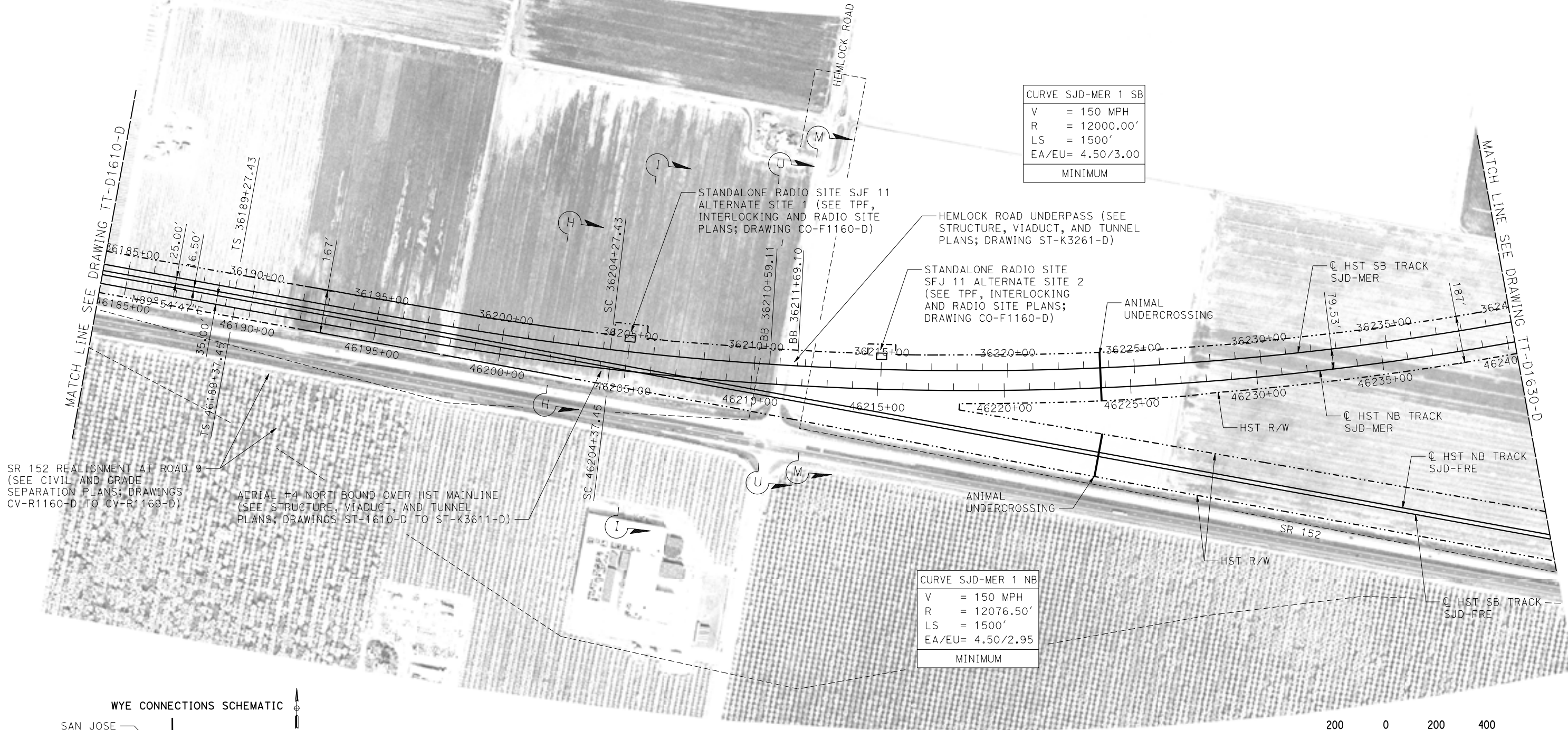
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36128+14.76 TO 36184+00

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

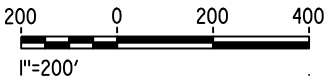
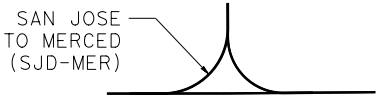
MADERA COUNTY



CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 12000.00'
LS	= 1500'
EA/EU=	4.50/3.00
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 12076.50'
LS	= 1500'
EA/EU=	4.50/2.95
MINIMUM	

WYE CONNECTIONS SCHEMATIC



PLAN

p0066533 15-AUG-2016 9:53 MF-TT-D1620-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

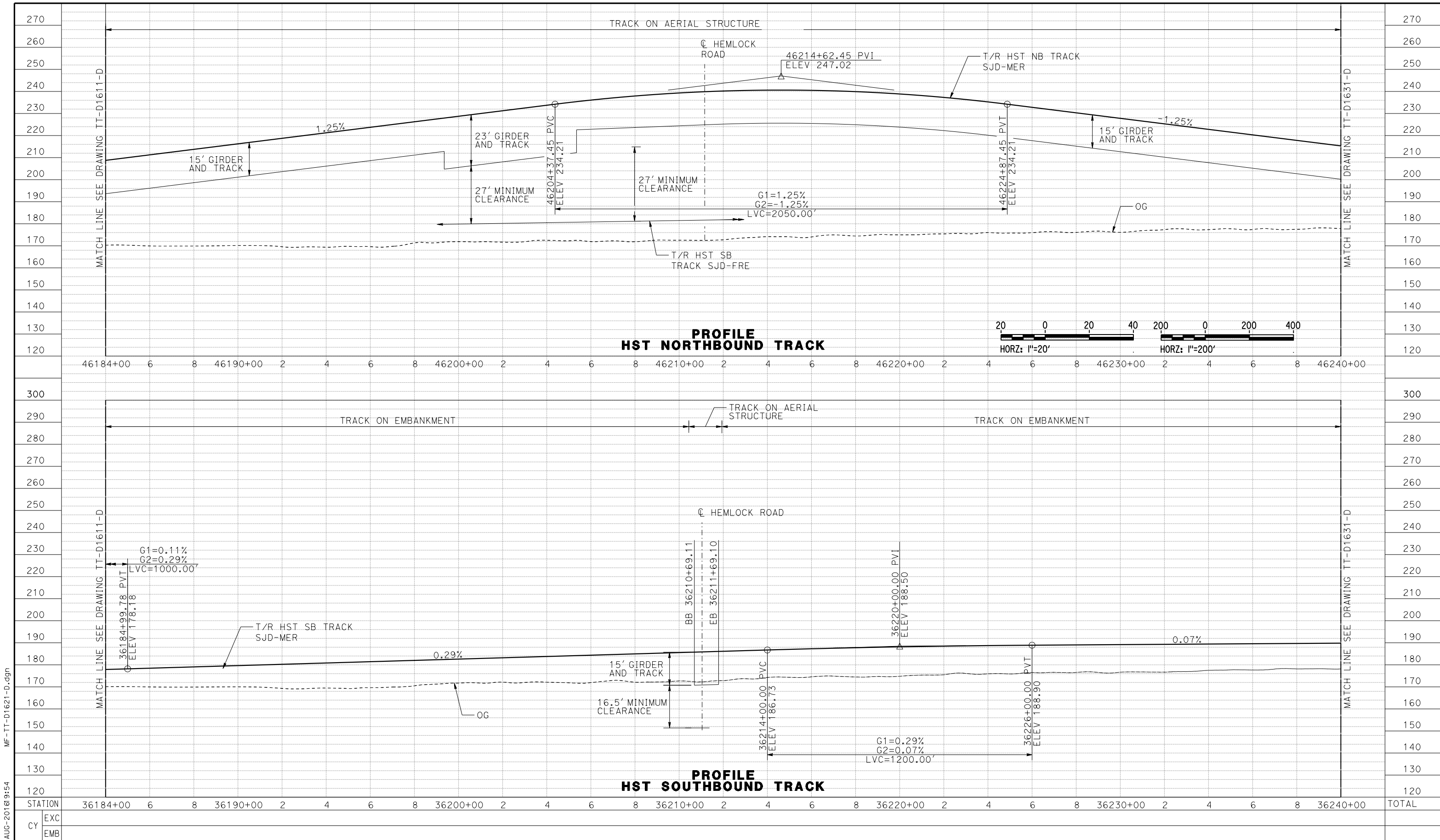
**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36184+00 TO 36240+00

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



15-AUG-2016 9:54 MF-TT-D1621-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

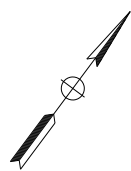
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36184+00 TO 36240+00

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

MADERA COUNTY



CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 12000.00'
LS	= 1500'
EA/EU=	4.50/3.00
MINIMUM	

AVENUE 23 1/2 OVERPASS
(SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING
CV-R1632-D TO CV-R1633-D)

ROAD CLOSURE
(SEE CIVIL AND GRADE
SEPARATION PLANS;
DRAWING CV-S1630-D)

AERIAL #4 NORTHBOUND OVER HST
MAINLINE (SEE STRUCTURE, VIADUCT,
AND TUNNEL PLANS; DRAWINGS
ST-K1610-D TO ST-K3611-D)

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 12076.50'
LS	= 1500'
EA/EU=	4.50/2.95
MINIMUM	

CL HST SB TRACK
SJD-MER

CL HST NB TRACK
SJD-MER

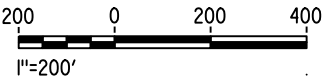
HST R/W

CL HST NB TRACK
SJD-FRE

CL HST SB TRACK
SJD-FRE

HST R/W

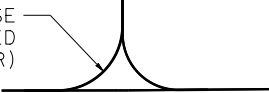
HST R/W



PLAN

WYE CONNECTIONS SCHEMATIC

SAN JOSE
TO MERCED
(SJD-MER)



MF-TT-D1630-D.dgn
15-AUG-2016 9:55
p0066533

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



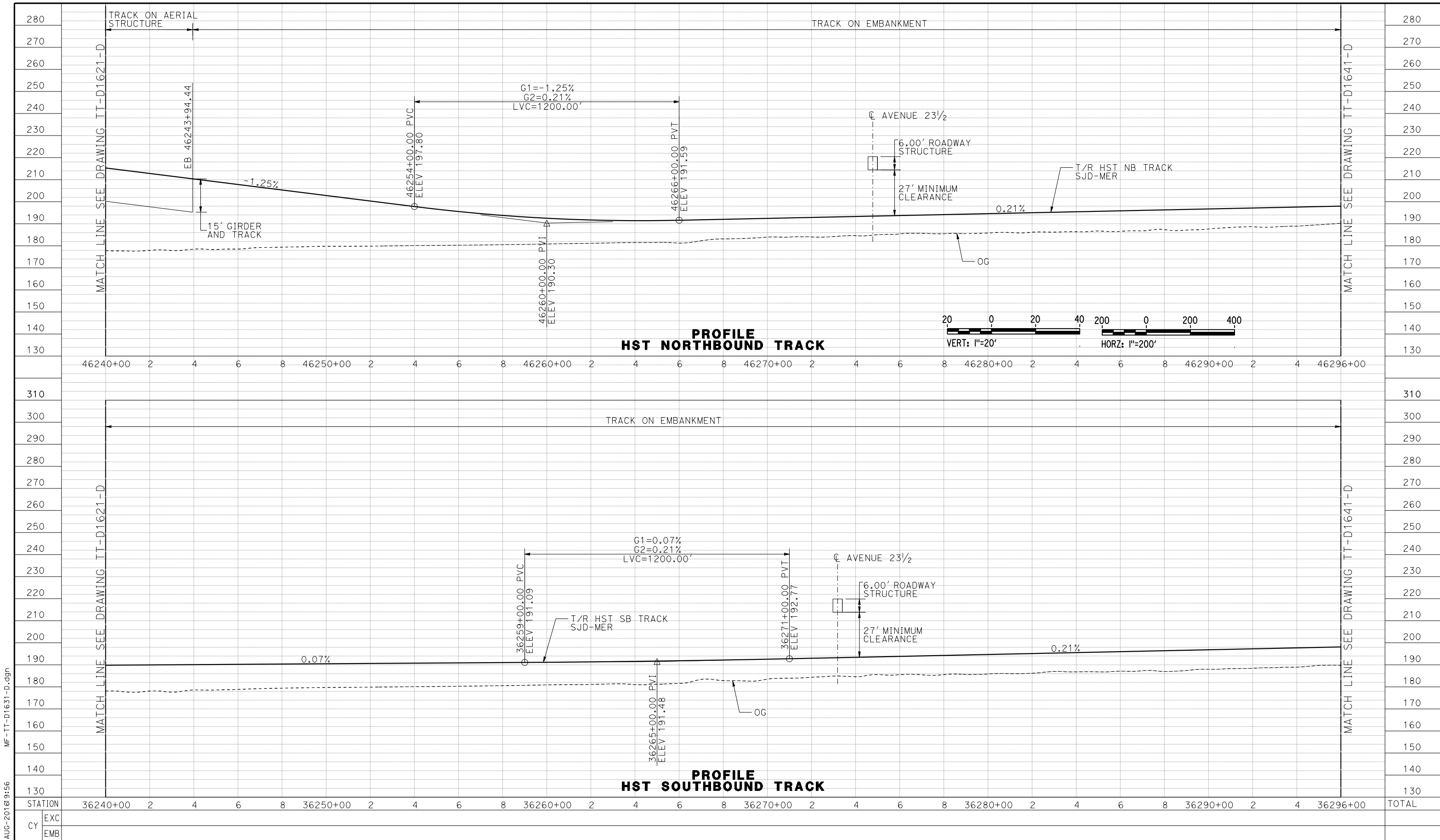
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36240+00 TO 36296+00

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

REV	DATE	BY	CHK	APP	DESCRIPTION



15-AUG-2016 9:56 MF-TT-D1631-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

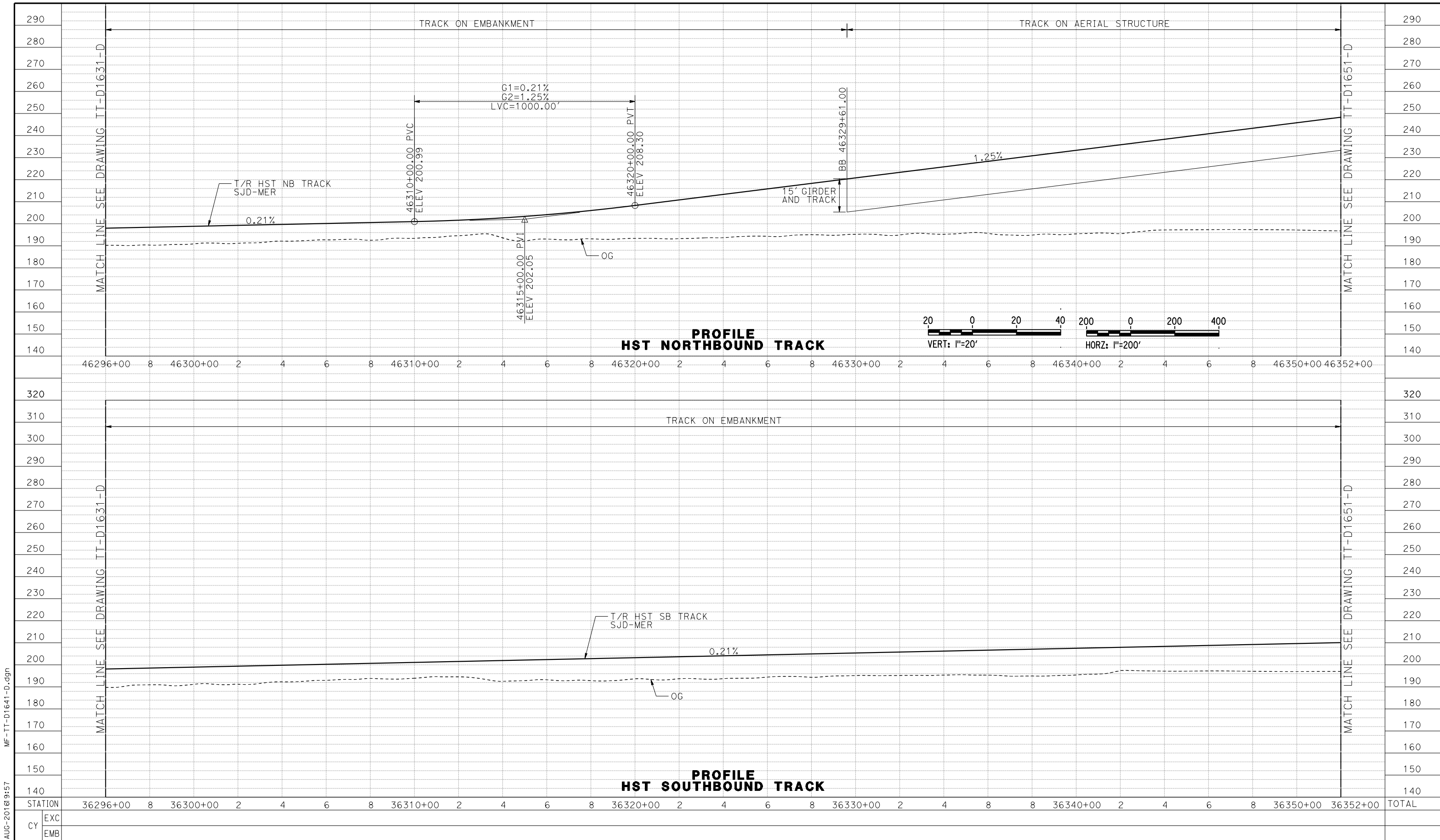
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36240+00 TO 36296+00

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



15-AUG-2016 9:57 MF-TT-D1641-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36296+00 TO 36352+00

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

MADERA COUNTY

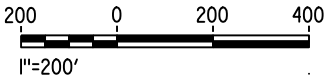
CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 12000.00'
LS	= 1500'
EA/EU=	4.50/3.00
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 12076.50'
LS	= 1500'
EA/EU=	4.50/2.95
MINIMUM	

WYE CONNECTIONS SCHEMATIC

SAN JOSE
TO MERCED
(SJD-MER)

PLAN



p0066533 15-AUG-2016 9:58 MF-TT-D1650-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

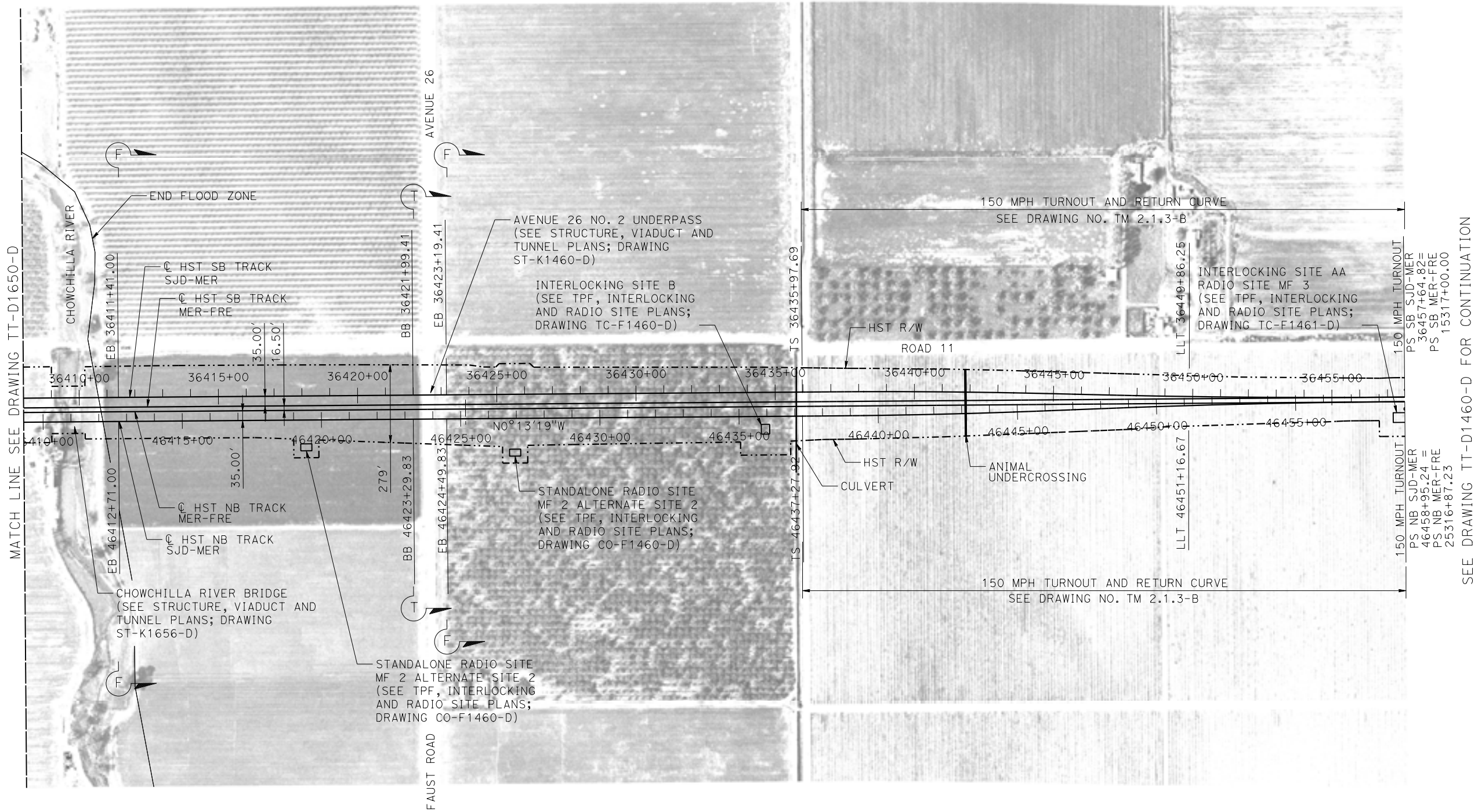


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

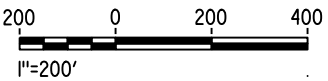
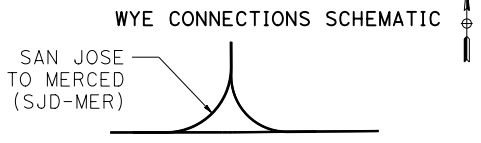
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36352+00 TO 36408+00

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

MADERA COUNTY



PLAN



p0066533 15-AUG-2016 9:59 MF-TT-D1660-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

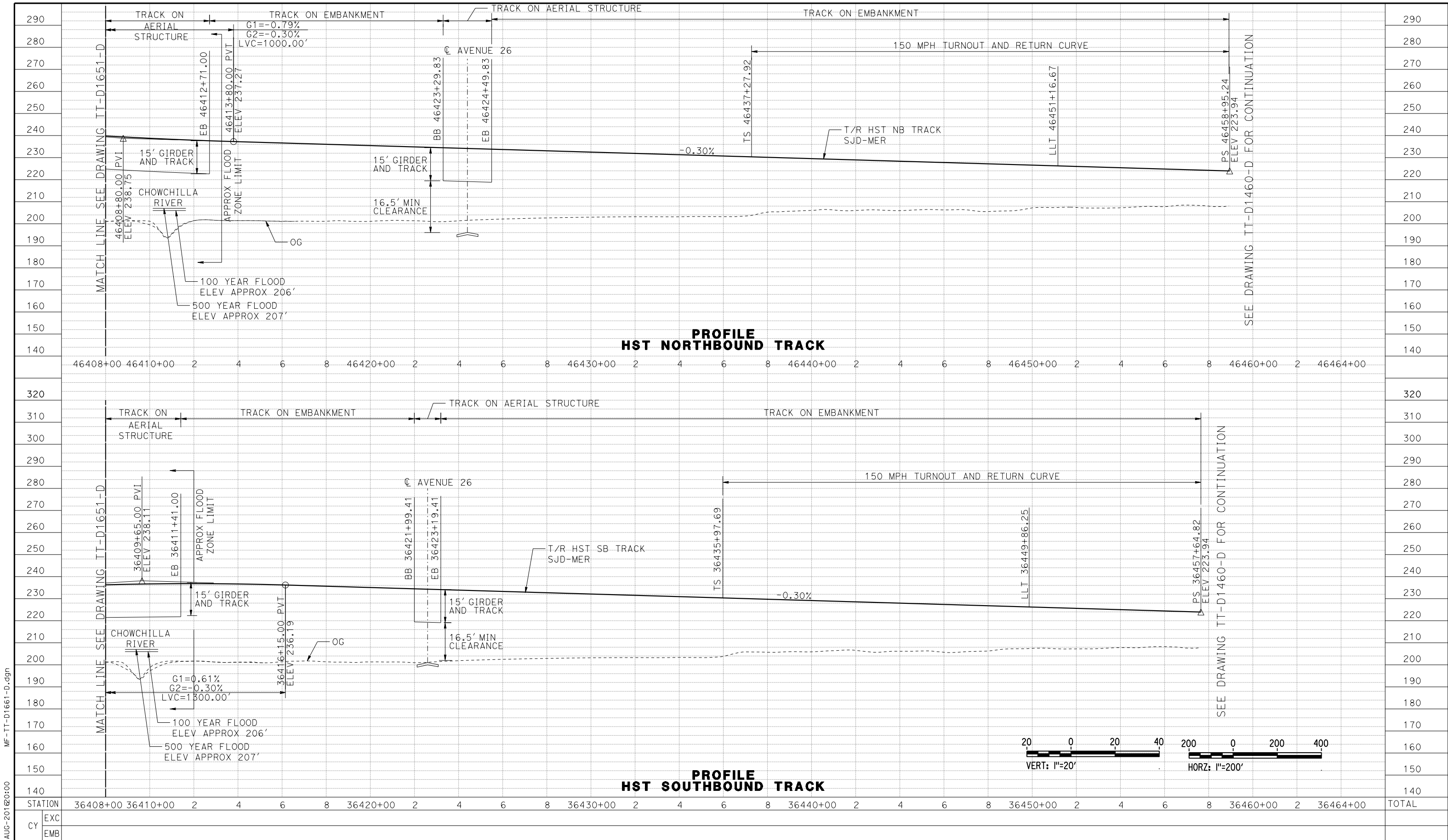


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36408+00 TO 36457+64.82

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

15-AUG-2016 10:00 MF-TT-D1661-D.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ
DRAWN BY J. PEREZ
CHECKED BY N. OUM
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36408+00 TO 36457+64.82

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