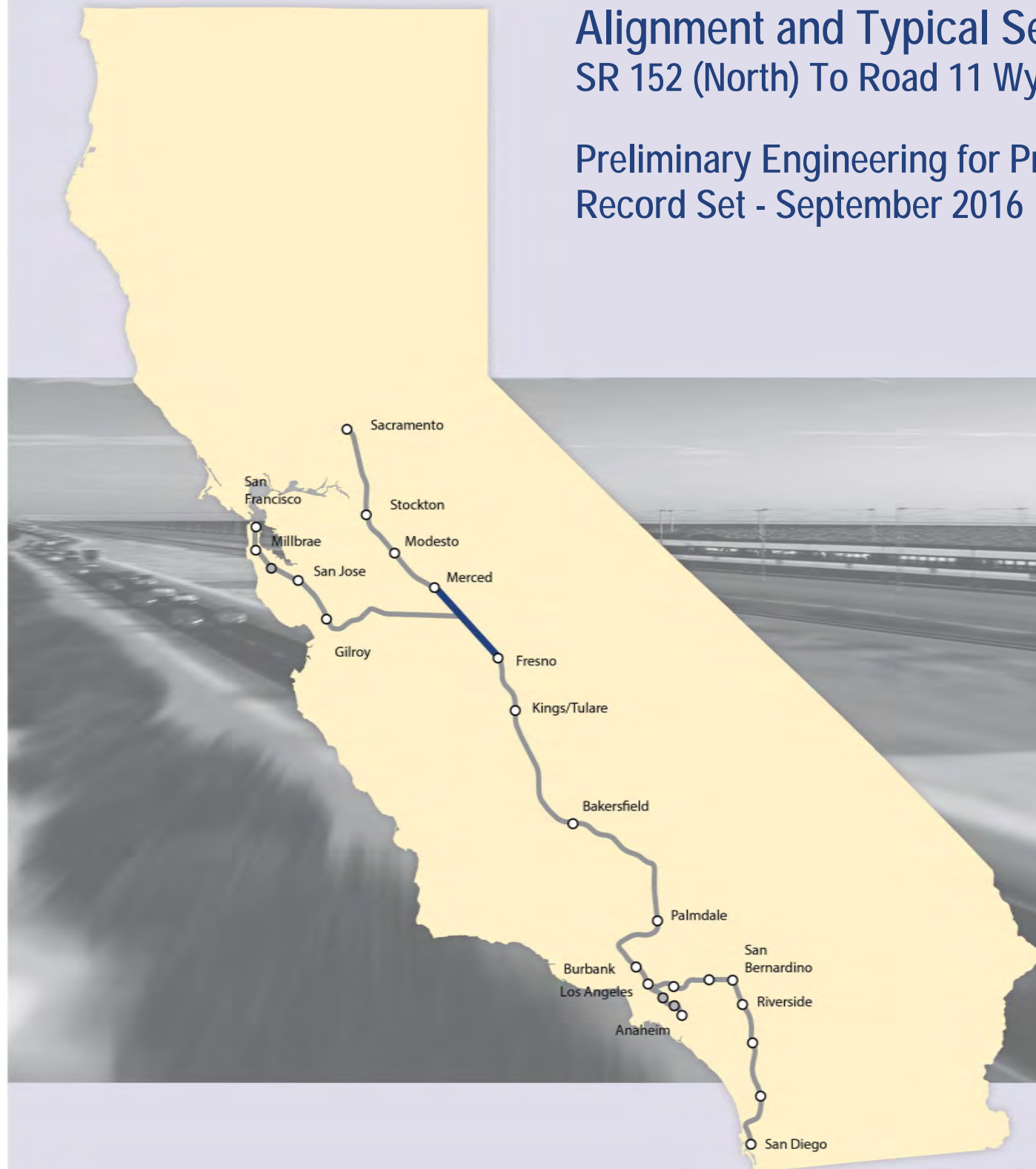


California High-Speed Rail Authority

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



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.

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

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

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.

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. LEMLEY
DRAWN BY
J. ALADIN
CHECKED BY
S. WILSON
IN CHARGE
C. LEMLEY
DATE
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**NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7169+59.17
TT-D1410-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1411-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1421-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1431-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1440-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1441-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1450-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14939+00.00 TO 14995+00.00
TT-D1451-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14939+00.00 TO 14995+00.00

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 4 OF 9

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

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



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

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

INDEX OF DRAWINGS

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 7 OF 9

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0008

SCALE
NO SCALE

SHEET NO.

16-AUG-2016 09:07 MF-TT-B0009.sgn

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

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

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

16-AUG-2016 01:02 MF-TT-B0010.dgn

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.

A

AB AGGREGATE BASE
 ABBC ASBESTOS BONDED BITUMINOUS COATED
 ABM AIR-BLOWN MORTAR
 ABN ABANDON
 ABUT ABUTMENT
 AC ASPHALT CONCRETE
 ACB ASPHALT CONCRETE BASE
 ACP ASBESTOS CEMENT PIPE
 ADL ADDED DEAD LOAD
 ADJ ADJUST
 AFES ALTERNATIVE FLARED END SECTION
 AHD AHEAD
 ALT ALTERNATE
 AM TIME FROM MIDNIGHT TO NOON
 AP ALTERNATIVE PIPE
 APC ALTERNATIVE PIPE CULVERT
 APPROX APPROXIMATE
 APU ALTERNATIVE PIPE UNDERDRAIN
 ARS ACCELERATION RESPONSE SPECTRUM
 AS AGGREGATE SUBBASE
 ASRP ALUMINUM SPIRAL RIB PIPE
 ASSY ASSEMBLY
 ATPB ASPHALT TREATED PERMEABLE BASE
 ATPM ASPHALT TREATED PERMEABLE MATERIAL
 AVE AVENUE
 AVG AVERAGE
 @ AT

B

BAGR BRIDGE APPROACH GUARD RAILING
 BB BEGINNING OF BRIDGE
 B-B BACK-TO-BACK
 BC BEGIN HORIZONTAL CURVE
 BCR BEGIN CURB RETURN
 BEG BEGIN
 BIT CTD BITUMINOUS COATED
 BK BACK
 BKF BACKFILL
 BLDG BUILDING
 BLM BRIDGE-LOG MILE
 BLVD BOULEVARD
 BM BENCH MARK
 BOT BOTTOM
 BR BRIDGE
 BRG BEARING
 BTU BRITISH THERMAL UNIT
 BVC BEGIN VERTICAL CURVE
 BW BARBED WIRE

C

CAA CABLE ANCHOR ASSEMBLY
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH
 CAS CONSTRUCTION AREA SIGN

C CONTINUED

CB CONCRETE BARRIER
 CBW CONCRETE BLOCK WALL
 C-C CENTER TO CENTER
 CHSRA CALIFORNIA HIGH SPEED RAIL
 AUTHORITY
 CHST CALIFORNIA HIGH SPEED TRAIN
 CHSR CALIFORNIA HIGH SPEED RAIL
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP CAST-IN-PLACE,
 CAST IRON PIPE
 CIPCP CAST IN PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL-SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CHAIN LINK
 CL-6 CHAIN LINK FENCE (6 FT)
 CL CLASS
 CLR CLEAR,
 CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT,
 CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER
 CR CREEK
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
 CRSP CONCRETED ROCK SLOPE PROTECTION
 CS CURVE SPIRAL POINT
 CSP CORRUGATED STEEL PIPE
 CSPA CORRUGATED STEEL PIPE ARCH
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CULV CULVERT
 @ CENTERLINE

D

D DEPTH
 DD DOWNDRAIN
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR
 DET DETAIL, DETOUR

D CONTINUED

DF DOUGLAS FIR
 DI DRAINAGE INLET,
 DROP INLET
 DIA DIAMETER
 DIAPH DIAPHRAGM
 DIST DISTANCE,
 DISTRICT
 DMBB DOUBLE METAL BEAM BARRIER
 DR DRIVE
 DTBB DOUBLE THRIE BEAM BARRIER
 DWY DRIVEWAY

E

E EAST
 EA ACTUAL SUPERELEVATION
 EASE EASEMENT
 EB END OF BRIDGE,
 EASTBOUND
 EC END HORIZONTAL CURVE
 ECR END CURB RETURN
 ED EDGE DRAIN
 EDC EDGE DRAIN CLEANOUT
 EDO EDGE DRAIN OUTLET
 EDV EDGE DRAIN VENT
 ELEC ELECTROLIER
 ELECT ELECTRIC
 ELEV ELEVATION
 EMB EMBANKMENT
 ENGR ENGINEER
 EOD EDGE OF DECK
 EP EDGE OF PAVEMENT
 EQ EQUATION
 ES EDGE OF SHOULDER
 ETW EDGE OF TRAVELED WAY
 EU UNBALANCED SUPERELEVATION
 EVC END VERTICAL CURVE
 EW ENDWALL
 EXC EXCAVATION
 EXIST, (E) EXISTING
 EXP EXPANSION,
 EXPRESSWAY
 EXP JT EXPANSION JOINT
 EXT EXTERIOR

F

F & C FRAME AND COVER
 F & G FRAME AND GRATE
 FB FLOOR BEAM
 FDN FOUNDATION
 FEBT FACING EASTBOUND TRAFFIC
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE
 FH FIRE HYDRANT

F CONTINUED

FIG FIGURE
 FL FLOW LINE
 FNBT FACING NORTHBOUND TRAFFIC
 FOB FREE ON BOARD
 FOC FACE OF CONCRETE
 FR RD FRONTAGE ROAD
 FS FAR SIDE, FINISHED SURFACE
 FSBT FACING SOUTHBOUND TRAFFIC
 FTG FOOTING
 FWBT FACING WESTBOUND TRAFFIC
 FWY FREEWAY

G

G GRADE,
 ACCELERATION DUE TO GRAVITY
 GAGE
 GALV GALVANIZED
 GP GRADING PLANE
 GR GUARD RAILING
 GSP GALVANIZED STEEL PIPE
 GTR GUTTER

H

H HEIGHT
 H, HR HOUR
 HD HORIZONTAL DRAIN
 HDWL HEADWALL
 HEX HD HEXAGONAL HEAD
 HMA HOT MIXED ASPHALT
 HORIZ HORIZONTAL
 HP HINGE POINT, HORSEPOWER
 HPS HIGH PERFORMANCE STEEL
 HS HIGH STRENGTH
 HST HIGH SPEED TRAIN
 HSR HIGH SPEED RAIL
 HW HEADWALL,
 HIGH WATER
 HWM HIGH WATER MARK
 HWY HIGHWAY

I

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

J

JCT JUNCTION
 JP JOINT POLE
 JPCP JOINTED PLAIN CONCRETE PAVEMENT
 JS JUNCTION STRUCTURE
 JT JOINT

L

L LENGTH
 LAT LATITUDE
 LCB LEAN CONCRETE BASE
 LN LANE
 LOC LOCATION
 LOL LAYOUT LINE
 LONG LONGITUDE
 LONGIT LONGITUDINAL
 LS LUMP SUM, LENGTH OF SPIRAL
 LT LEFT
 LVC LENGTH OF VERTICAL CURVE

M

MAINT MAINTENANCE
 MAX MAXIMUM
 MB METAL BEAM
 MBB METAL BEAM BARRIER
 MBGR METAL BEAM GUARD RAILING
 MED MEDIAN
 MH MANHOLE
 MIN MINIMUM
 MISC MISCELLANEOUS
 MISC I & S MISCELLANEOUS IRON AND STEEL
 MKR MARKER
 MOD MODIFIED,
 MODIFY
 MON MONUMENT
 MOW MAINTENANCE OF WAY FACILITY
 MP METAL PLATE
 MPGR METAL PLATE GUARD RAILING
 MR MOVEMENT RATING
 MSE MECHANICALLY STABILIZED EMBANKMENT
 MTL MATERIAL

N

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

16-AUG-2016 09:14 MF-TT-B0011.dgn

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 1 OF 2

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

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

QTY QUANTITY

R

R RADIUS
 R & D REMOVE AND DISPOSE
 R & S REMOVE AND SALVAGE
 R/C RATE OF CHANGE
 RCA REINFORCED CONCRETE ARCH
 RCB REINFORCED CONCRETE BOX
 RCP REINFORCED CONCRETE PIPE
 RCPA REINFORCED CONCRETE PIPE ARCH
 RD ROAD
 REINF REINFORCED, REINFORCEMENT, REINFORCING
 REL RELOCATE
 REPL REPLACEMENT
 RET RETAINING
 REV REVISED
 RDWY ROADWAY
 RM ROAD-MIXED
 RP RADIUS POINT, REFERENCE POINT
 RR RAILROAD
 RSP ROCK SLOPE PROTECTION
 RT RIGHT
 RTE ROUTE
 RW REDWOOD, RETAINING WALL
 R/W RIGHT-OF-WAY
 RWY RAILWAY

S

S SOUTH, SUPPLEMENT
 SAE STRUCTURE APPROACH EMBANKMENT
 SALV SALVAGE
 SAPP STRUCTURAL ALUMINUM PLATE PIPE
 SB SOUTHBOUND
 SC SAND CUSHION, SPIRAL CURVE POINT
 SCSP SLOTTED CORRUGATED STEEL PIPE
 SD STORM DRAIN
 SEC SECOND, SECTION
 SEP SEPARATION
 SG SUBGRADE
 SHLD SHOULDER
 SHT SHEET
 SIM SIMILAR
 SJD SAN JOSE DIRIDON STATION

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
 WWL WINGWALL LAYOUT LINE

X

X SEC CROSS SECTION
 XING CROSSING
 XO CROSSOVER

Y

YR YEAR
 YRS YEARS

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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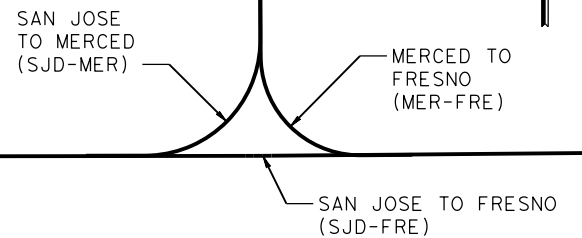


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

 ABBREVIATIONS
 SHEET 2 OF 2

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

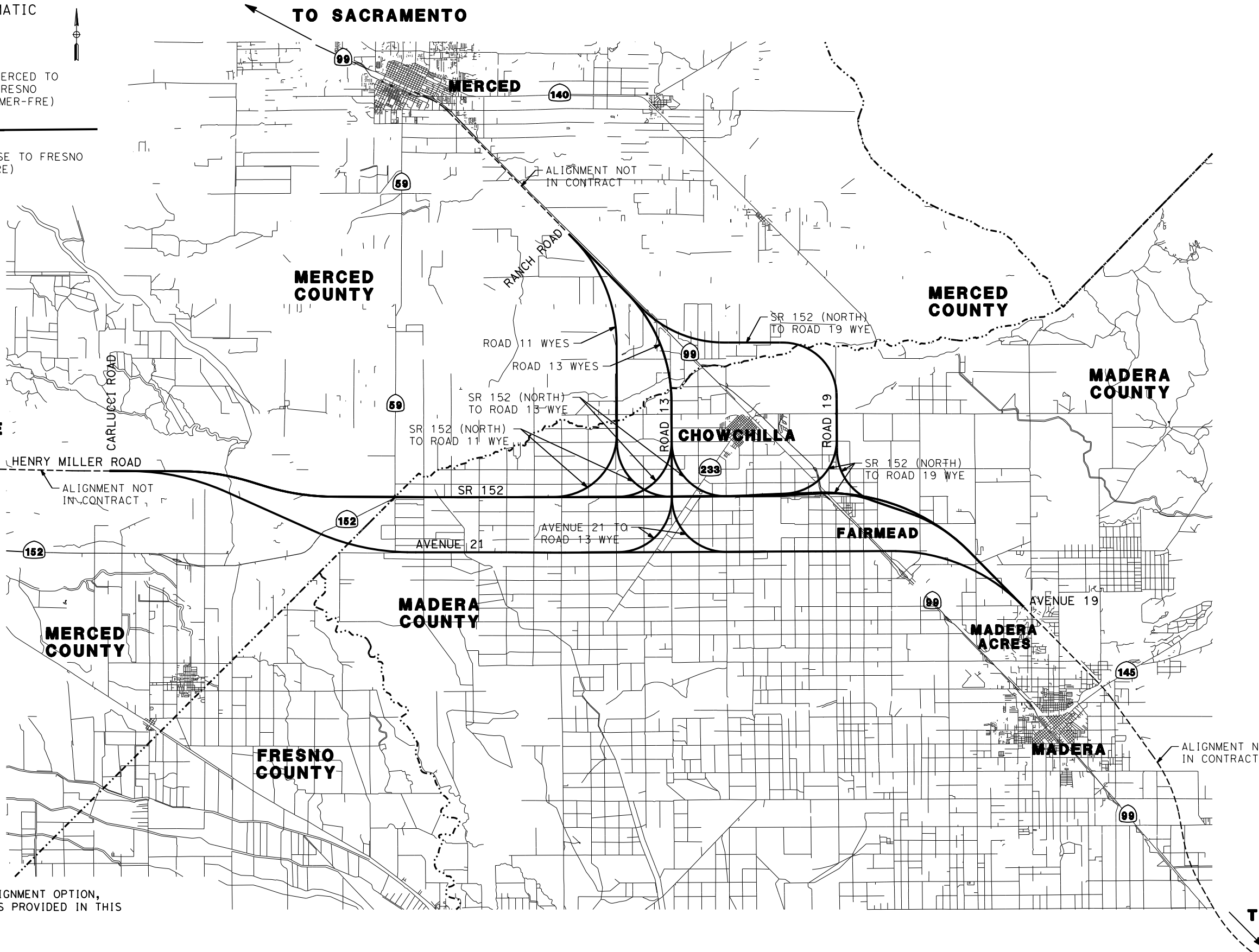
WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO

HENRY MILLER ROAD
ALIGNMENT NOT IN CONTRACT



TO FRESNO

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CONSTRUCTION

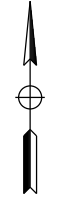
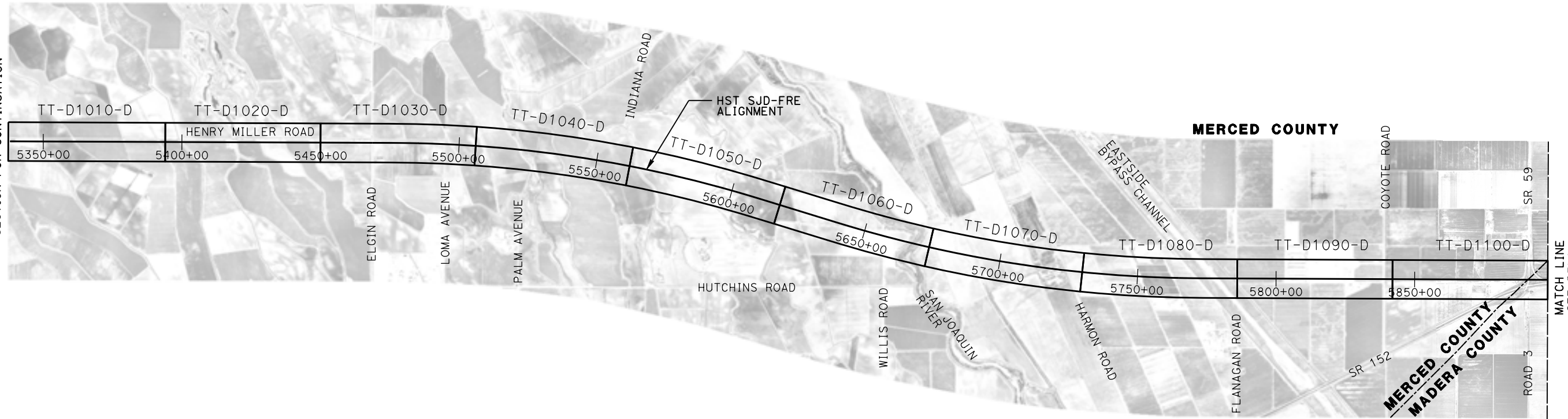


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

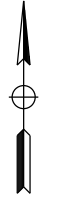
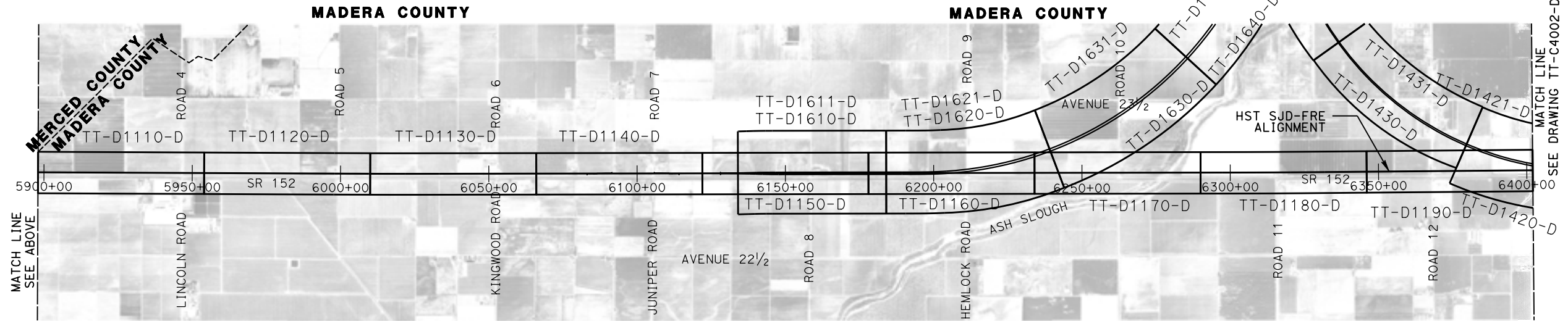
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B4000
SCALE
NTS
SHEET NO.

MERCED COUNTY

SEE SAN JOSE TO CENTRAL VALLEY WYE SECTION FOR CONTINUATION



MADERA COUNTY



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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

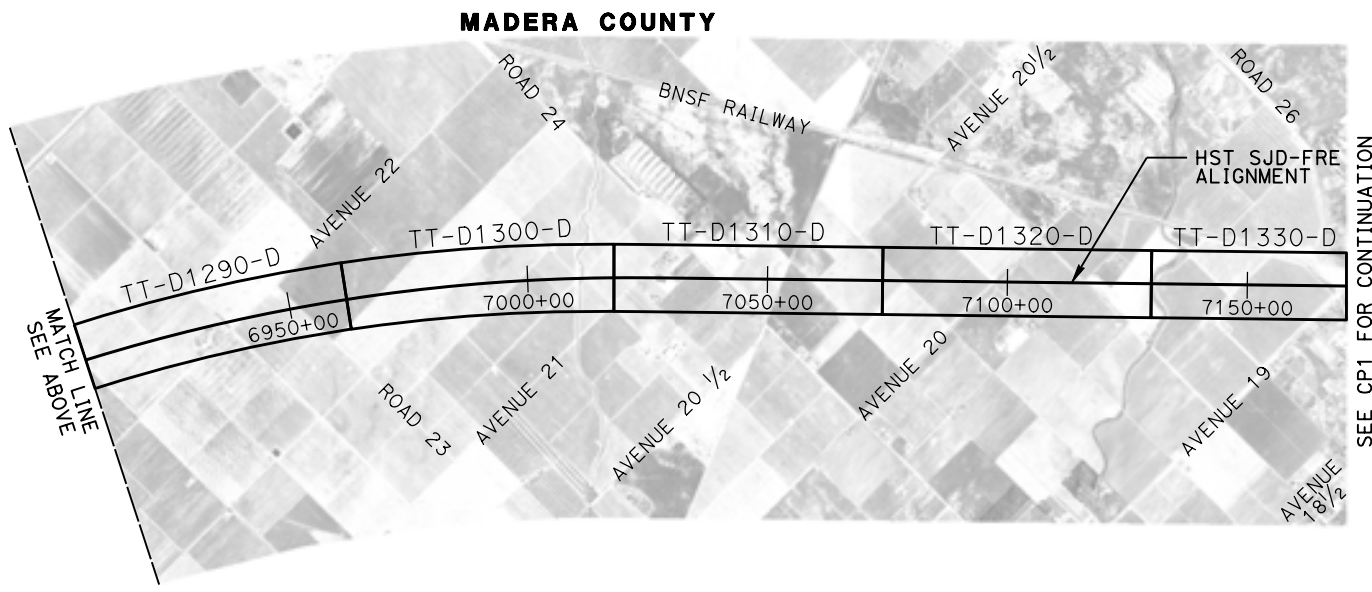
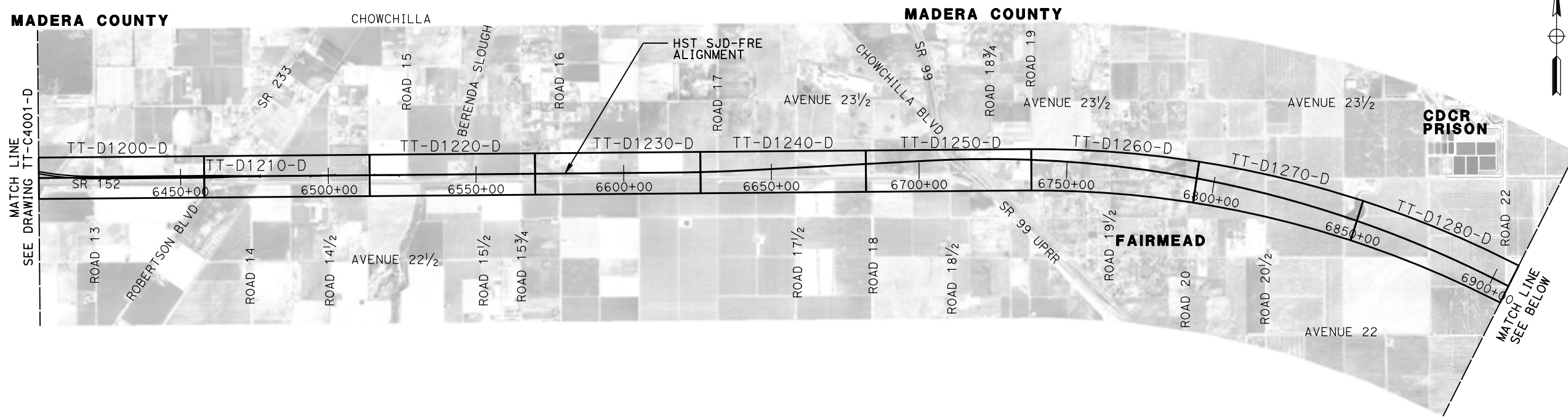
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 3

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



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REV	DATE	BY	CHK	APP	DESCRIPTION

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J. MARTINE
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C. LEMLEY
DATE
08/12/2016

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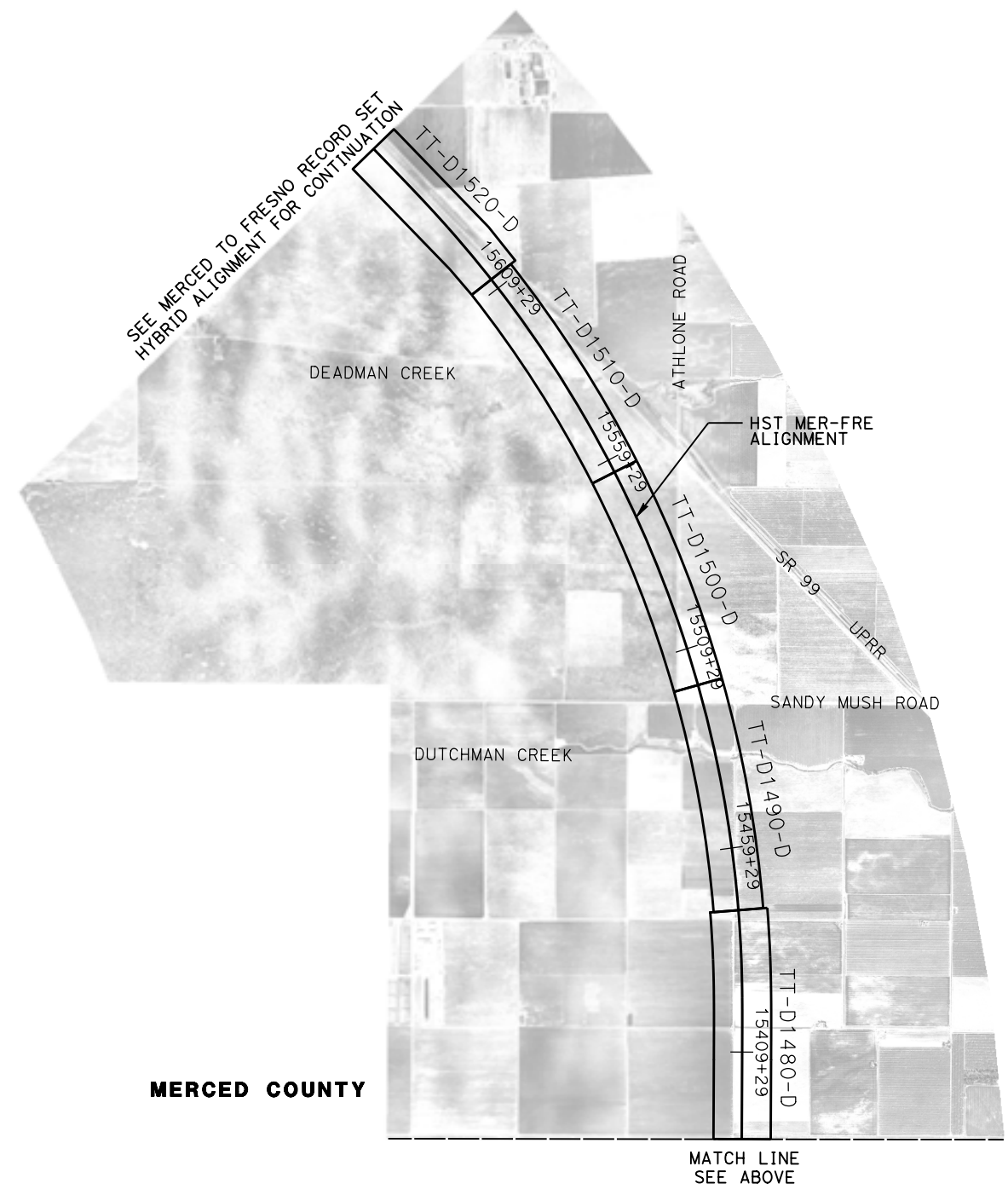
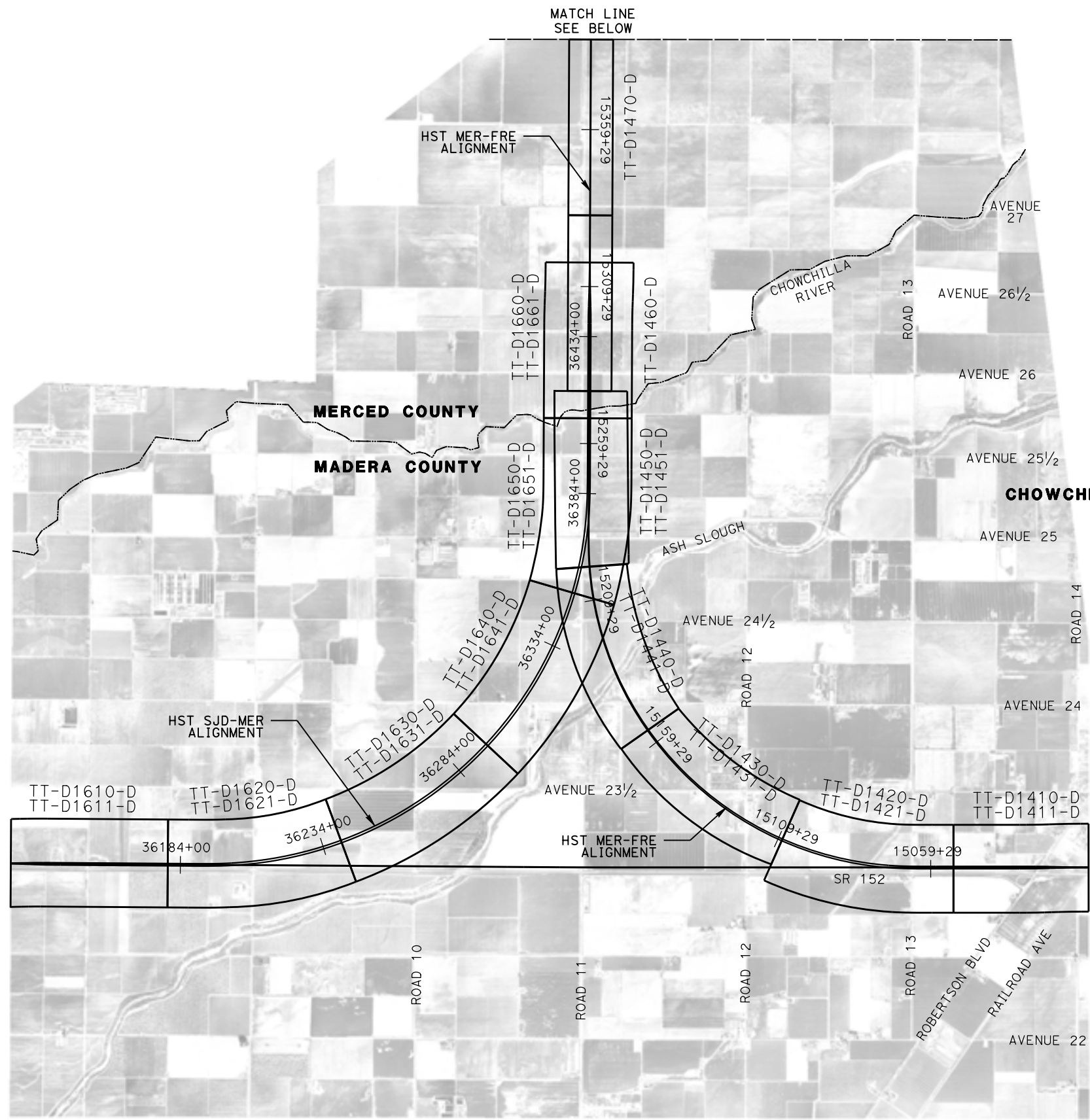
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 3

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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
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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
KEY MAP
SHEET 3 OF 3

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

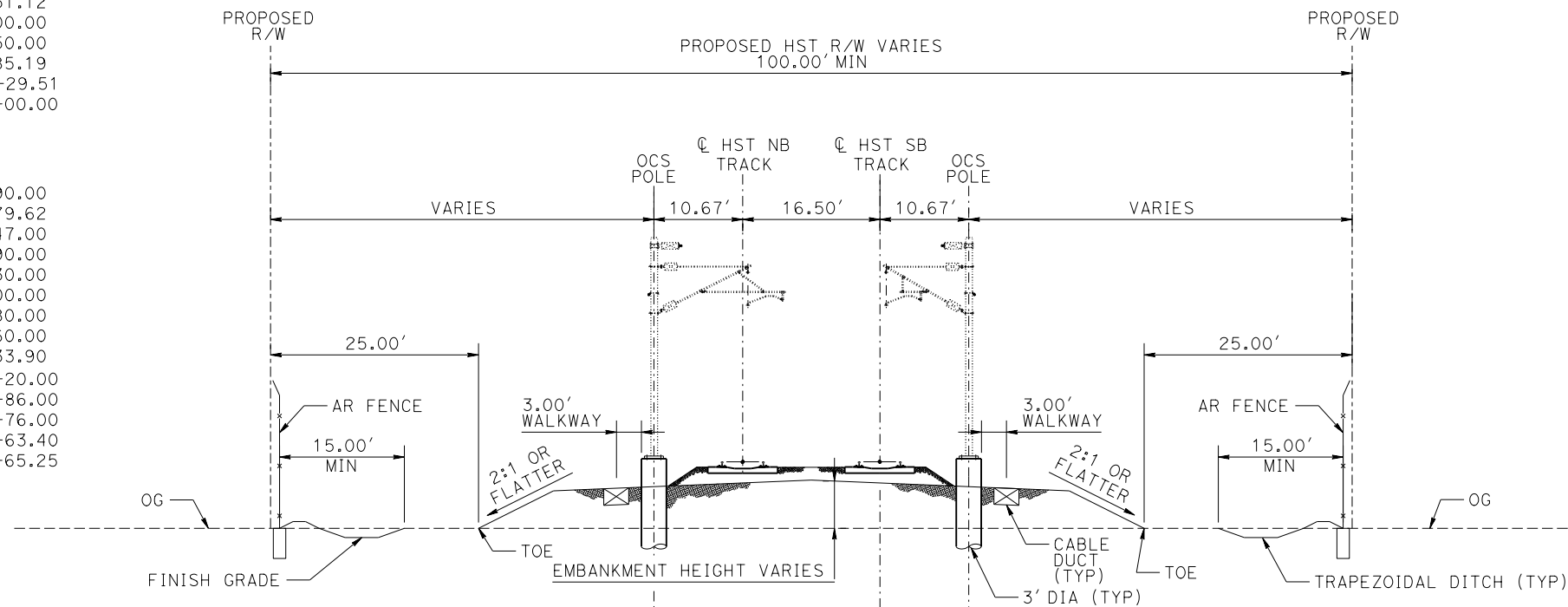
SECTION A-A

TANGENT

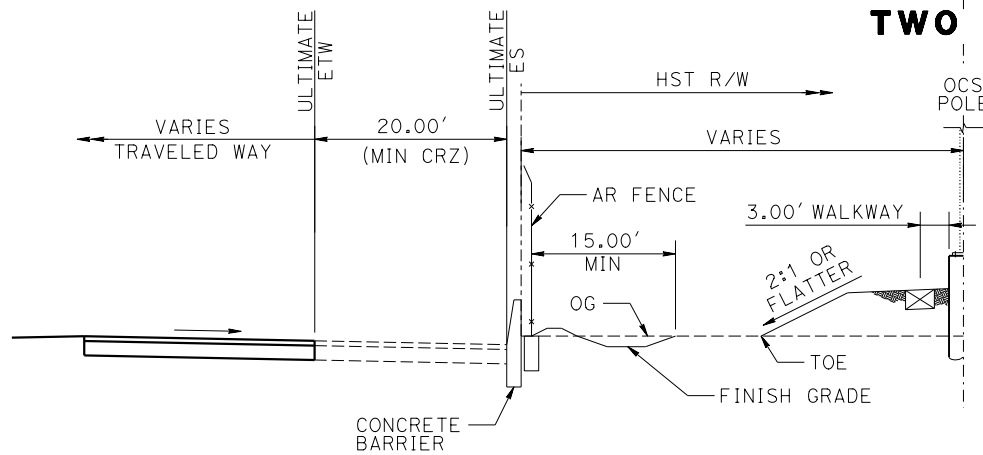
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 STATION SJD-FRE 5617+79.62 TO 5632+51.12
 STATION SJD-FRE 5785+40.00 TO 5900+00.00
 STATION SJD-FRE 7034+33.90 TO 7129+50.00
 STATION SJD-FRE 7131+90.00 TO 7171+85.19
 STATION MER-FRE 15317+00.00 TO 15407+29.51
 STATION MER-FRE 15628+65.25 TO 15655+00.00

SUPERELEVATED

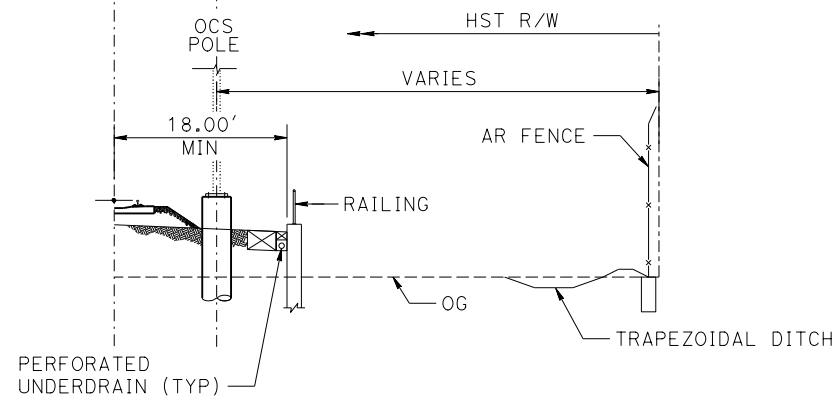
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 STATION SJD-FRE 5632+51.12 TO 5656+47.00
 STATION SJD-FRE 5657+77.00 TO 5664+90.00
 STATION SJD-FRE 5672+70.00 TO 5683+30.00
 STATION SJD-FRE 5689+20.00 TO 5723+00.00
 STATION SJD-FRE 5725+40.00 TO 5769+80.00
 STATION SJD-FRE 6725+88.00 TO 7009+60.00
 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.

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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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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
 TYPICAL SECTION
 SHEET 1 OF 11

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

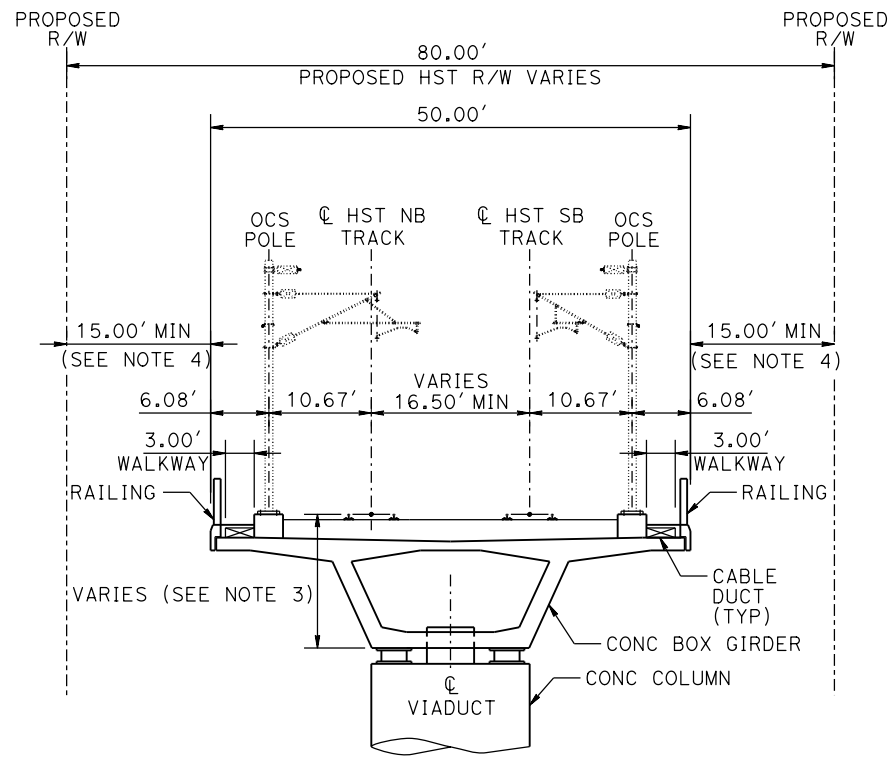
SECTION B-B

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**

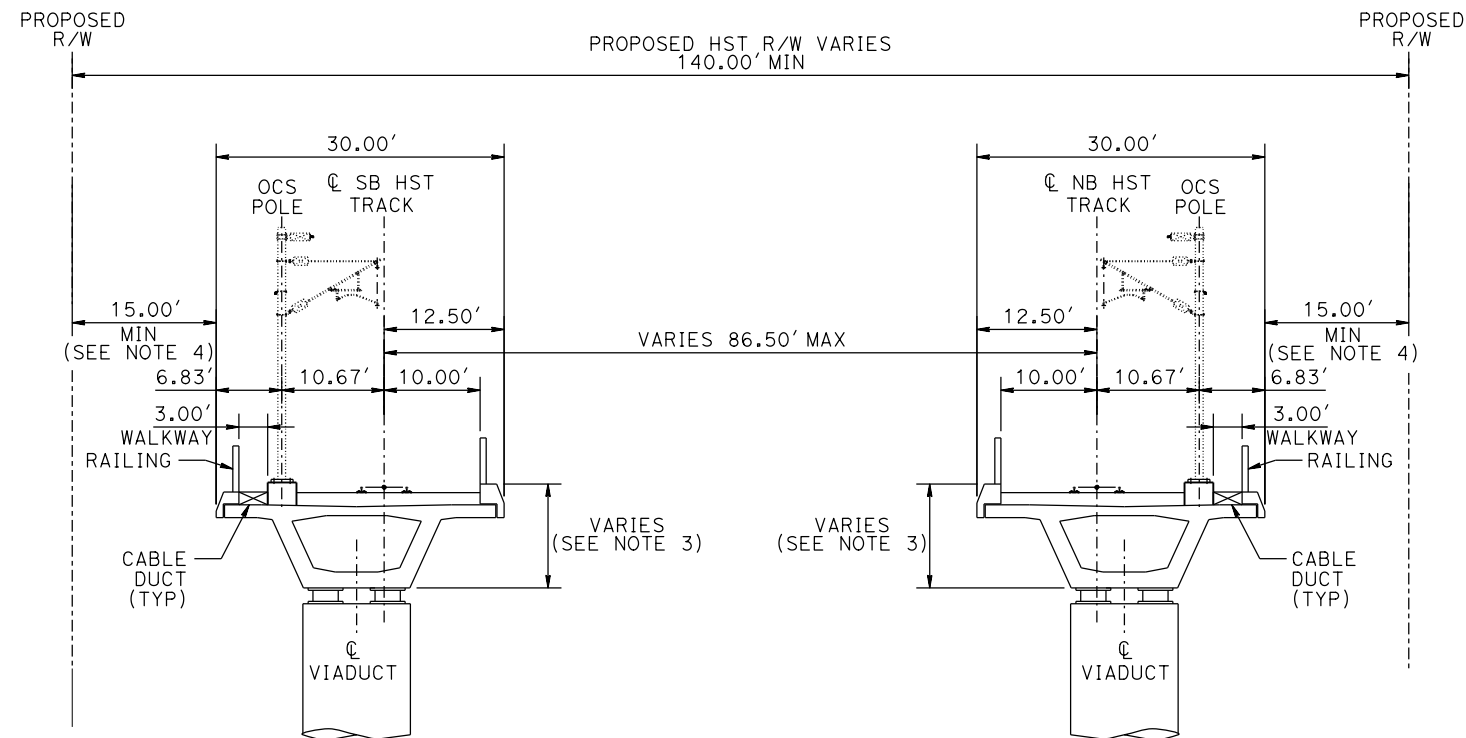
SECTION C-C

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**

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J. PEREZ
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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.

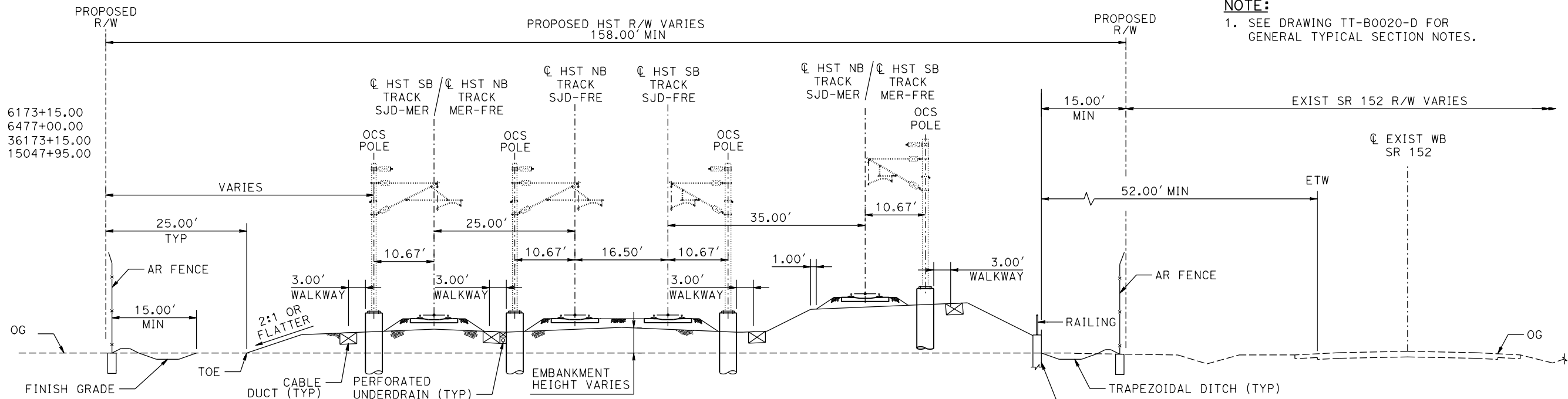
SHEET NO.

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

SECTION D-D
TANGENT

STATION SJD-FRE 6128+15.00 TO 6173+15.00
STATION SJD-FRE 6438+35.25 TO 6477+00.00
STATION SJD-MER 36128+14.76 TO 36173+15.00
STATION MER-FRE 15009+29.85 TO 15047+95.00

SUPERELEVATED
N/A



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

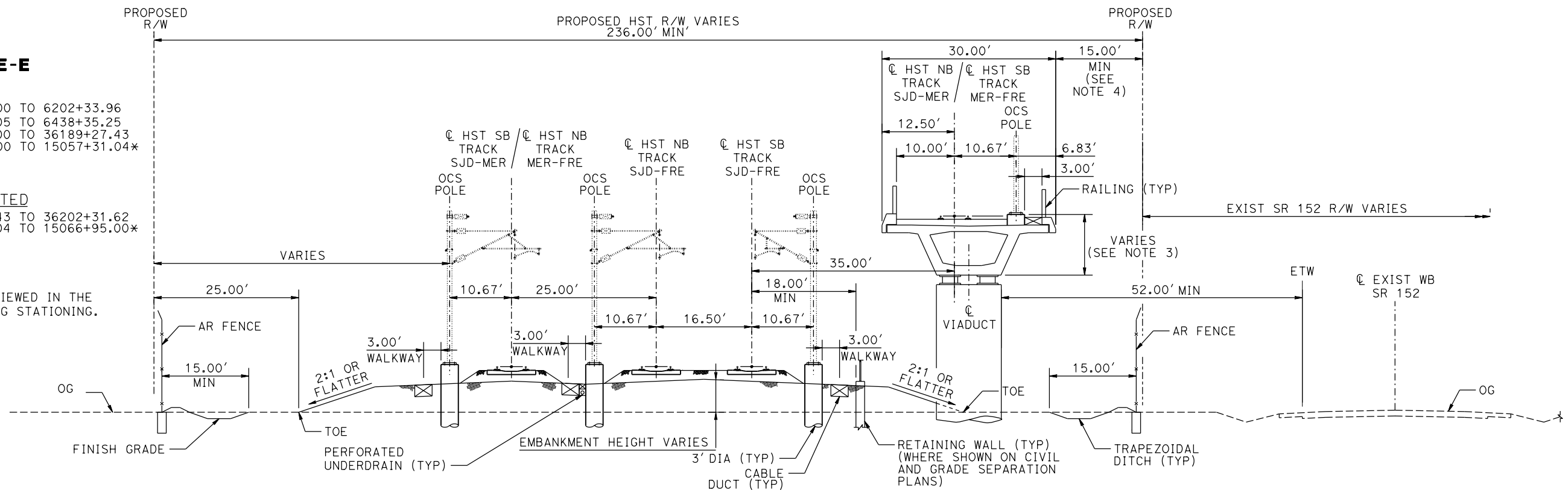
SECTION E-E
TANGENT

STATION SJD-FRE 6173+15.00 TO 6202+33.96
STATION SJD-FRE 6419+36.05 TO 6438+35.25
STATION SJD-MER 36173+15.00 TO 36189+27.43
STATION MER-FRE 15047+95.00 TO 15057+31.04*

SUPERELEVATED

STATION SJD-MER 36189+27.43 TO 36202+31.62
STATION MER-FRE 15057+31.04 TO 15066+95.00*

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



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

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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 3 OF 11

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

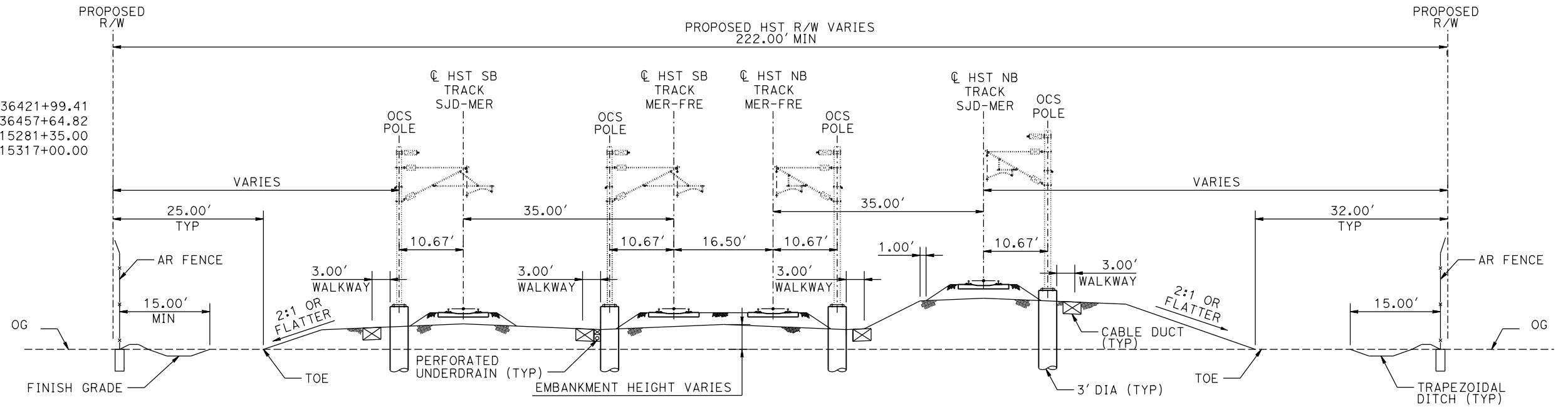
SECTION F-F

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.

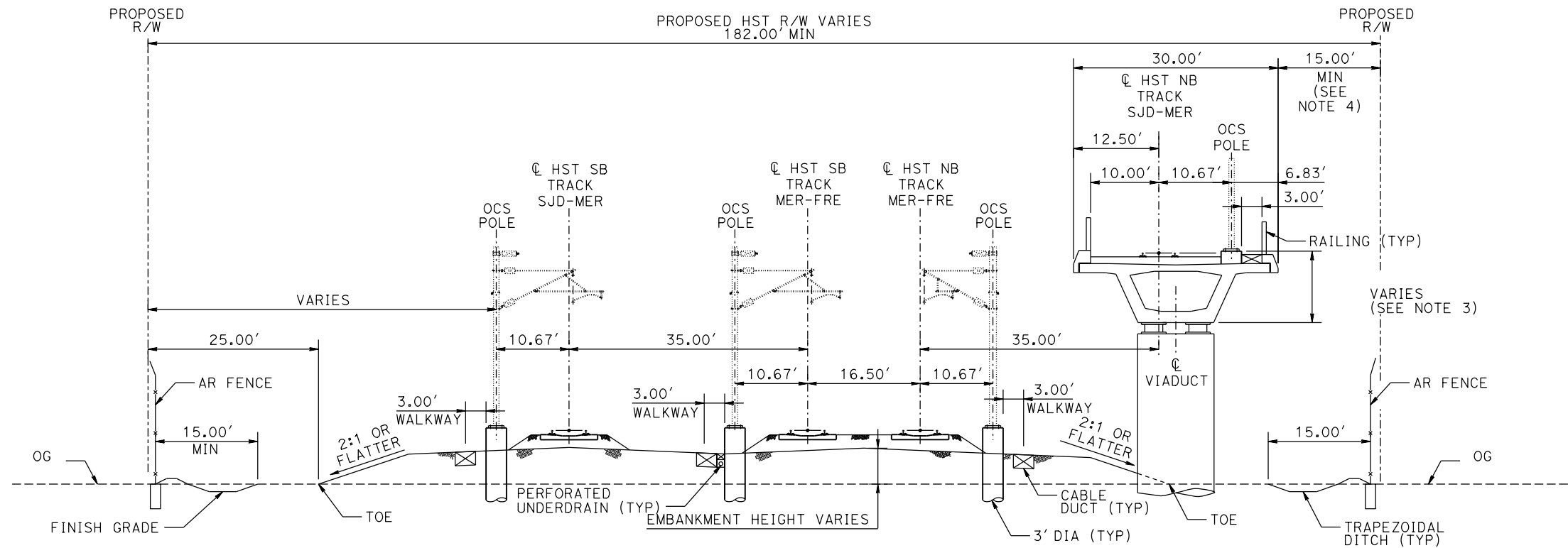
SECTION G-G

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**

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

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J. MARTINE
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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

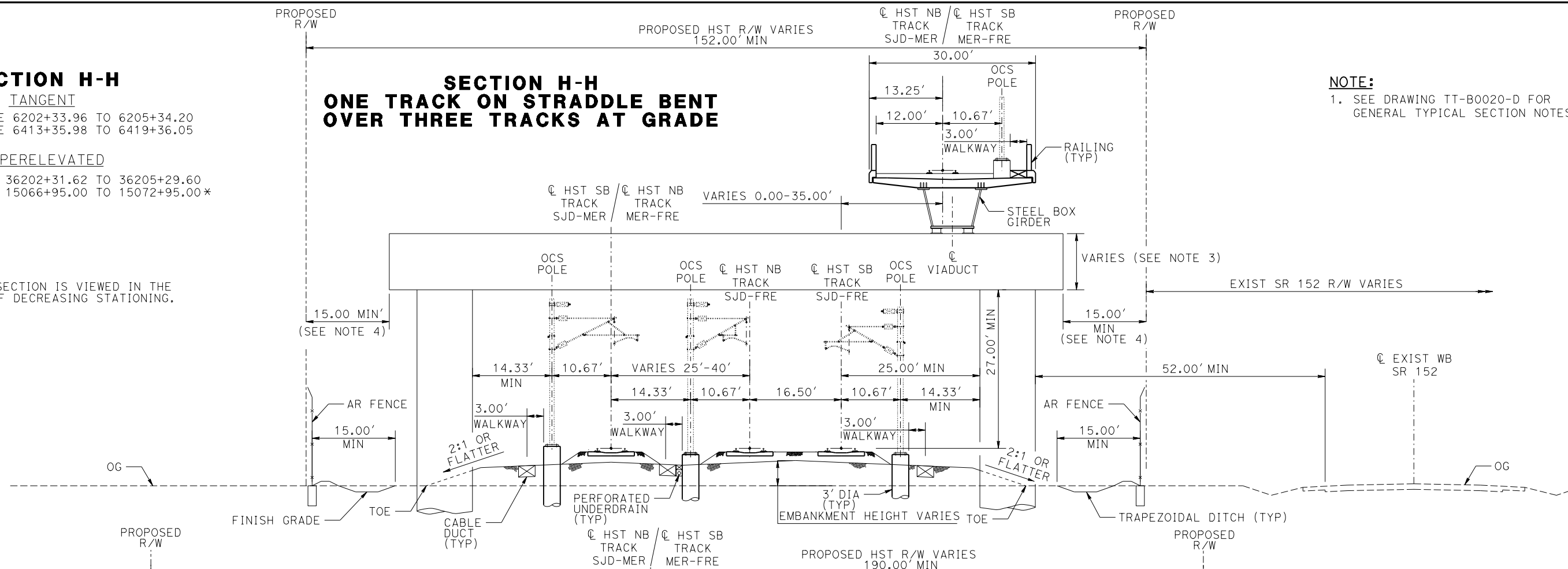
STATION SJD-FRE 6202+33.96 TO 6205+34.20
STATION SJD-FRE 6413+35.98 TO 6419+36.05

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.

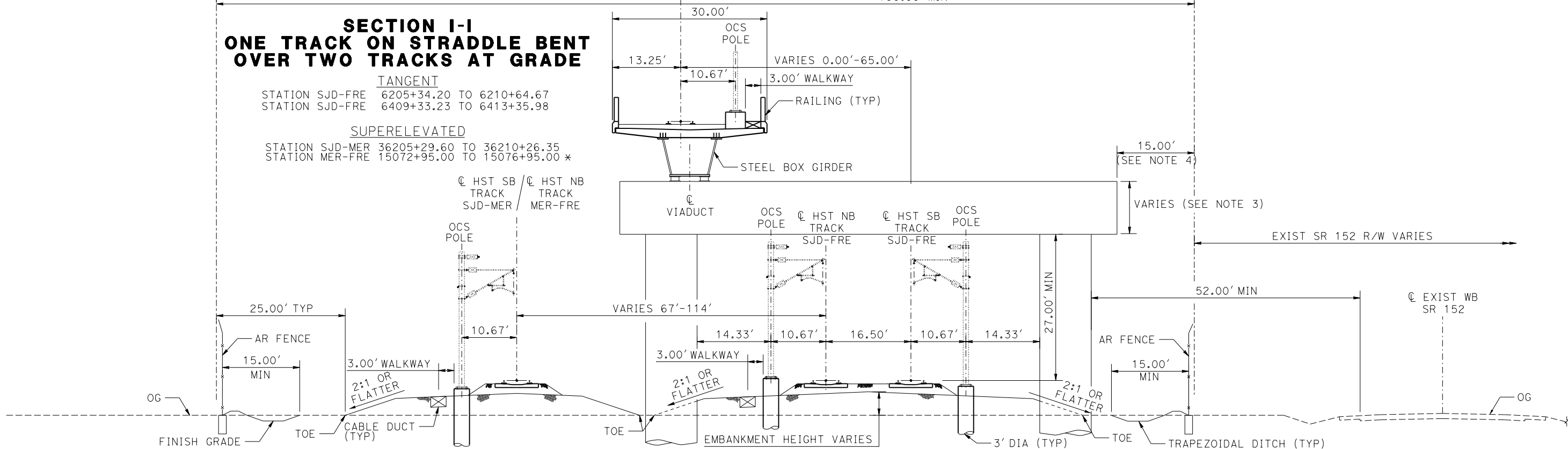
**SECTION I-I
ONE TRACK ON STRADDLE BENT
OVER TWO TRACKS AT GRADE**

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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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
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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
TYPICAL SECTION
SHEET 5 OF 11

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

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

TANGENT
STATION MER-FRE 15235+37.66 TO 15237+89.82

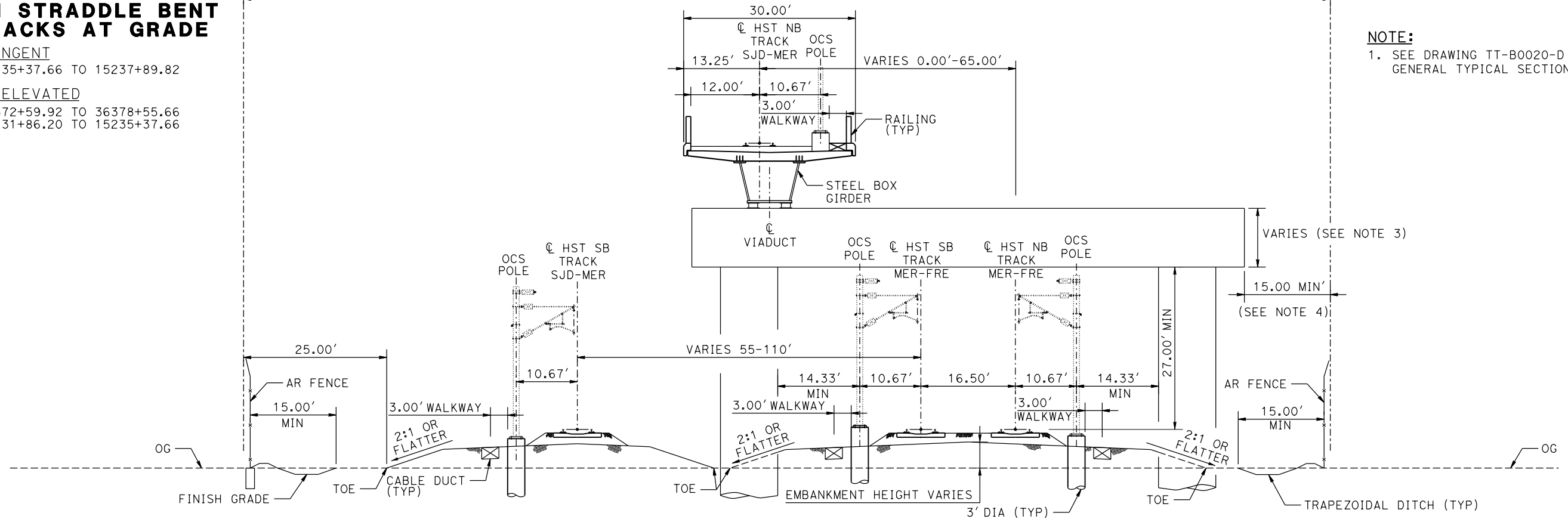
SUPERELEVATED
STATION SJD-MER 36372+59.92 TO 36378+55.66
STATION MER-FRE 15231+86.20 TO 15235+37.66

PROPOSED R/W

PROPOSED HST R/W VARIES (190.00' MIN)

PROPOSED R/W

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



15-AUG-2016 10:28 MF-TT-B0025-D.dgn

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J. PEREZ

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J. MARTINE

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N. OUM

IN CHARGE
C. LEMLEY

DATE
08/12/2016

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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
TYPICAL SECTION
SHEET 6 OF 11

CONTRACT NO.
HSR08-05

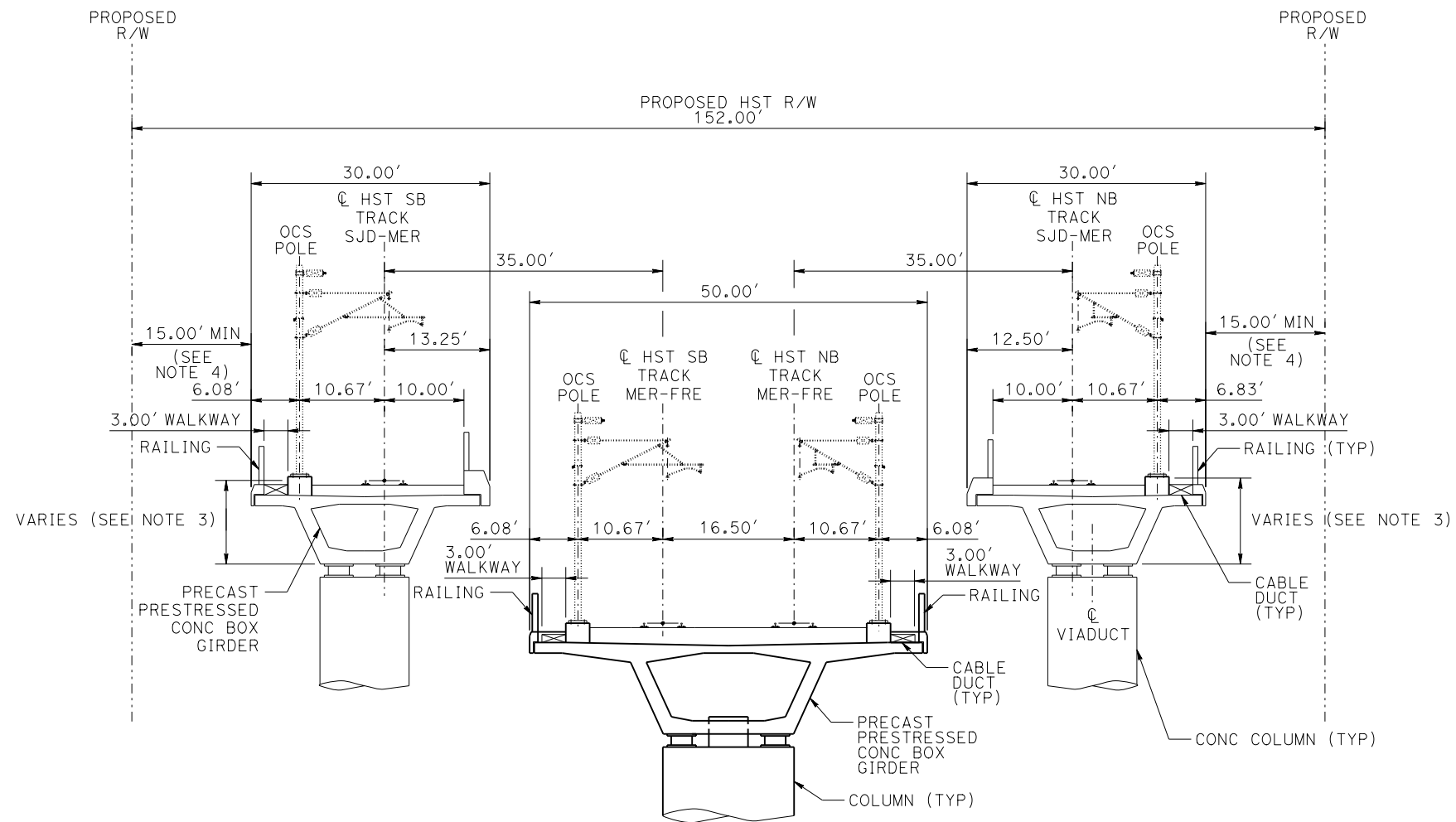
DRAWING NO.
TT-B0025-D

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

MF-TT-B0026-D.dgn
 15-AUG-2016 9:00
 P0066533

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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

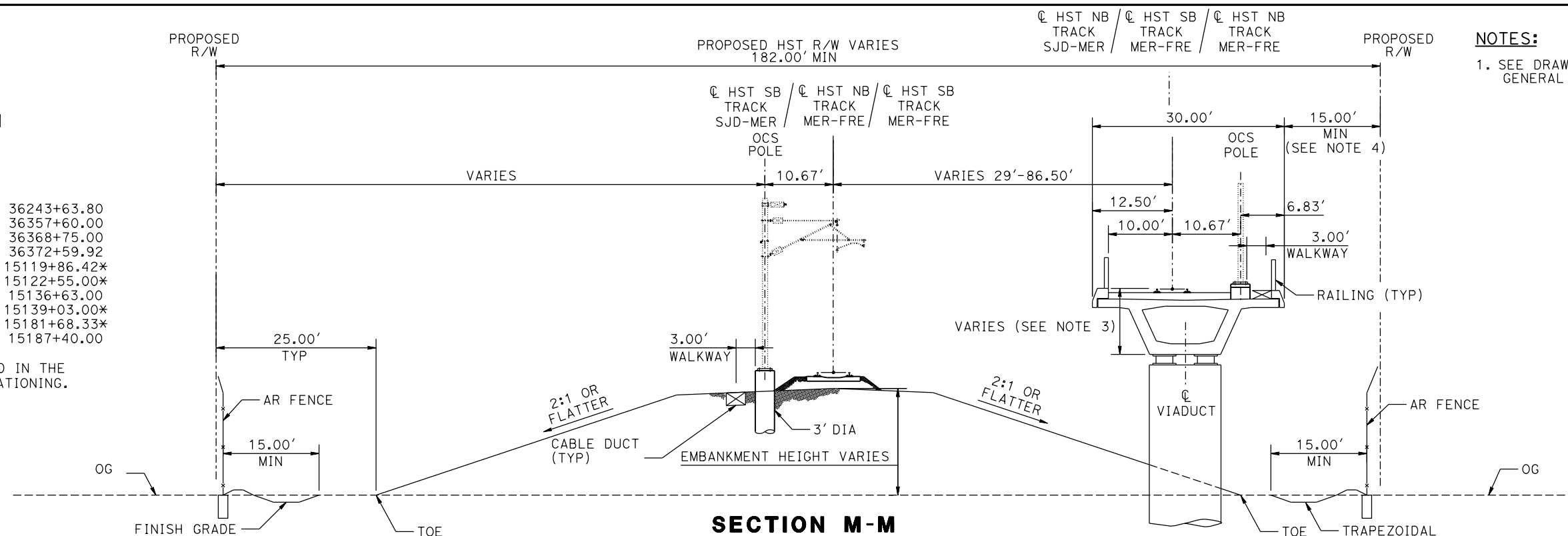
TANGENT

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**

NOTES:

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

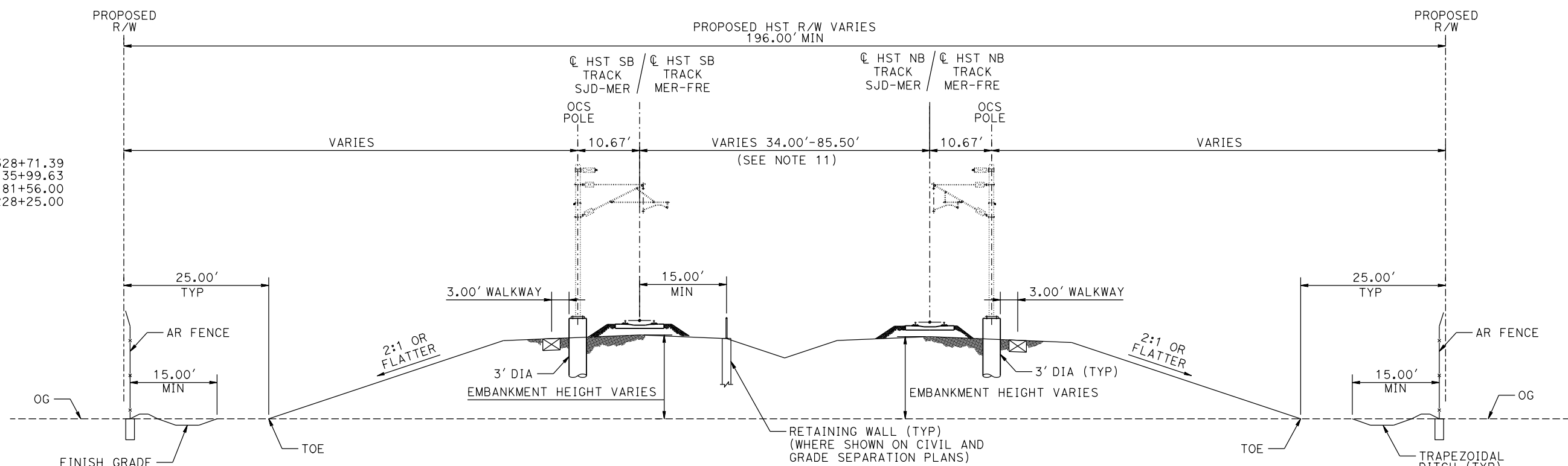
SECTION N-N

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**

15-AUG-2016 01:28 MF-TT-B0027-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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 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
 TYPICAL SECTION
 SHEET 8 OF 11

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0027-D

SCALE
N.T.S.

SHEET NO.

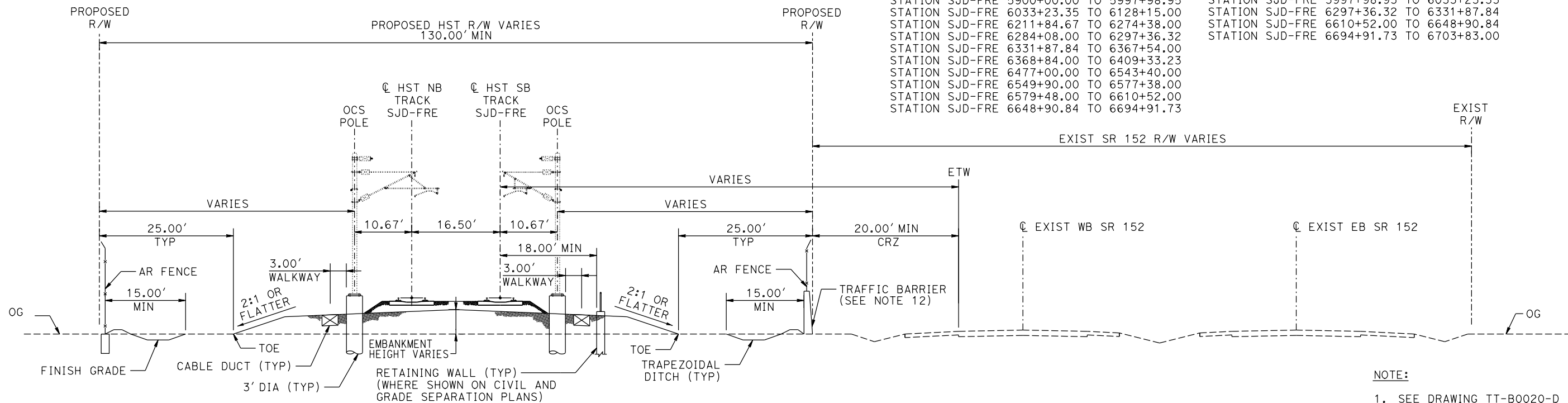
SECTION 0-0

TANGENT

SUPERELEVATED

STATION SJD-FRE	5900+00.00	TO	5997+98.95
STATION SJD-FRE	6033+23.35	TO	6128+15.00
STATION SJD-FRE	6211+84.67	TO	6274+38.00
STATION SJD-FRE	6284+08.00	TO	6297+36.32
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

STATION SJD-FRE	5997+98.95	TO	6033+23.35
STATION SJD-FRE	6297+36.32	TO	6331+87.84
STATION SJD-FRE	6610+52.00	TO	6648+90.84
STATION SJD-FRE	6694+91.73	TO	6703+83.00



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

**SECTION 0-0
TWO TRACKS ON EMBANKMENT ADJACENT TO SR 152**

15-AUG-2016 10:28 MF-TT-B0028-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 9 OF 11

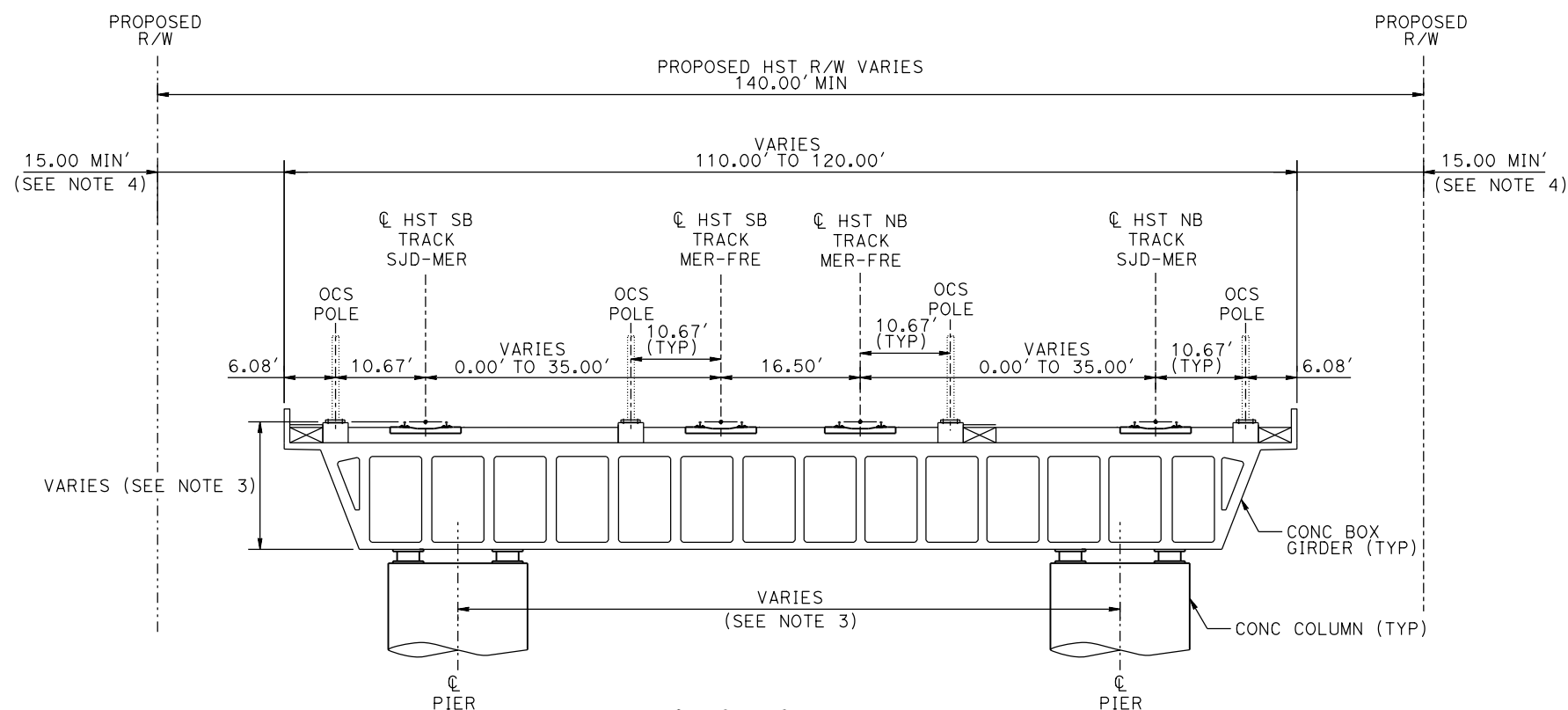
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-B0028-D
SCALE	N.T.S.
SHEET NO.	

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 10:28 MF-TT-B0029-D.dgn

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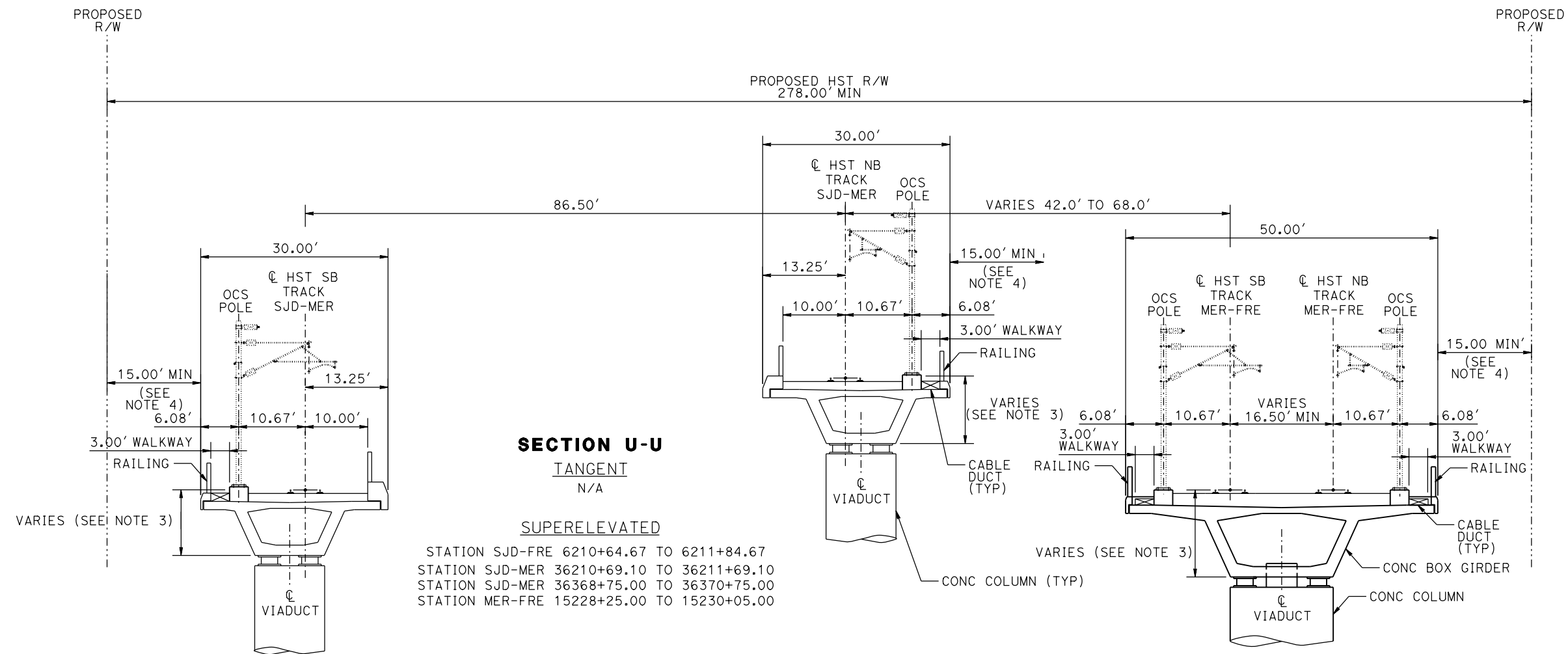
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TYPICAL SECTION
 SHEET 10 OF 11

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

15-AUG-2016 10:28 MF-TT-B0030-D.dgn
 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 11 OF 11

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

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											

15-AUG-2016 10:29 MF-TT-B0050-D.dgn

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IN CHARGE
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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
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.

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	6033+23.35	1853000.91	6578096.13		26,412.96							N 89°54'47" E		
	Tangent+	TS	6297+36.32	1853040.94	6604509.06											
152 N-11 SJD-FRE 4 SB	Cosine	TS	6297+36.32	1853040.94	6604509.06											
	Cosine	SPI	6305+44.36	1853042.16	6605317.10		1,150.00	0°06'05"	575.00	0.1					N 89°54'47" E	N 89°48'43" E
	Cosine	SC	6308+86.32	1853043.28	6605659.06											
	Arc	SC	6308+86.32	1853043.28	6605659.06											
	Arc	PI	6314+62.08	1853045.17	6606234.82	325,016.50	1,151.53	0°12'11"			250	0.00	0.77		N 89°48'43" E	N 89°36'32" E
	Arc	CC		2178058.03	6604591.51											
	Arc	CS	6320+37.84	1853049.11	6606810.57											
	Cosine	CS	6320+37.84	1853049.11	6606810.57											
	Cosine	SPI	6323+79.80	1853051.44	6607152.52		1,150.00	0°06'05"	575.00	0.1					N 89°36'32" E	N 89°30'27" E
	Cosine	ST	6331+87.84	1853058.39	6607960.53											
	Tangent+	ST	6331+87.84	1853058.39	6607960.53		27,864.16							N 89°30'27" E		
	Tangent+	TS	6610+52.00	1853297.92	6635823.66											
152 N-11 SJD-FRE 5 SB	Cosine	TS	6610+52.00	1853297.92	6635823.66											
	Cosine	SPI	6618+60.04	1853304.87	6636631.67		1,150.00	0°32'56"	575.00	0.52					N 89°30'27" E	N 88°57'31" E
	Cosine	SC	6622+02.00	1853311.09	6636973.58											
	Arc	SC	6622+02.00	1853311.09	6636973.58											
	Arc	PI	6629+71.46	1853325.07	6637742.91	60,016.50	1,538.84	1°28'09"			250	2.75	1.42		N 88°57'31" E	N 87°29'22" E
	Arc	CC		1913317.67	6635882.70											
	Arc	CS	6637+40.84	1853358.78	6638511.64											
	Cosine	CS	6637+40.84	1853358.78	6638511.64											
	Cosine	SPI	6640+82.80	1853373.76	6638853.27		1,150.00	0°32'56"	575.00	0.52					N 87°29'22" E	N 86°56'26" E
	Cosine	ST	6648+90.84	1853416.88	6639660.16											
	Tangent+	ST	6648+90.84	1853416.88	6639660.16		4,600.89							N 86°56'26" E		
	Tangent+	TS	6694+91.73	1853662.45	6644254.49											
152 N-11 SJD-FRE 6 SB	Cosine	TS	6694+91.73	1853662.45	6644254.49											
	Cosine	SPI	6707+21.38	1853728.08	6645482.39		1,750.00	1°19'10"	874.99	1.91					N 86°56'26" E	N 88°15'35" E
	Cosine	SC	6712+41.73	1853743.88	6646002.55											
	Arc	SC	6712+41.73	1853743.88	6646002.55											
	Arc	PI	6873+32.73	1854232.52	6662086.14	38,000.00	30,442.18	45°54'01"			250	4.25	2.33		N 88°15'35" E	N 45°50'24" E
	Arc	CC		1815761.41	6647156.51											
	Arc	CS	7016+83.90	1843022.48	6673629.78											
	Cosine	CS	7016+83.90	1843022.48	6673629.78											
	Cosine	SPI	7022+04.30	1842659.94	6674003.11		1,750.00	1°19'10"	874.99	1.91					N 45°50'24" E	S 44°31'14" E
	Cosine	ST	7034+33.90	1841783.20	6674865.30											

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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
N. OUM
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
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 2 OF 7

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

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												

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CHECKED BY
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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
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.

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											

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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.

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 6 NB	Arc	SC	6712+40.78	1853760.36	6646001.67											
	Arc	PI	6873+39.22	1854249.39	6662092.69	38,016.50	30,456.15	45°54'05"			250	4.25	2.33		N 88°15'33" E	N 45°50'22" E
	Arc	CC		1815761.41	6647156.52											
	Arc	CS	7016+96.93	1843034.06	6673641.54											
	Cosine	CS	7016+96.93	1843034.06	6673641.54											
	Cosine	SPI	7022+17.33	1842671.51	6674014.88		1,750.00	1°19'07"	874.99	1.91					N 45°50'22" E	S 44°31'14" E
	Cosine	ST	7034+46.93	1841794.77	6674877.07											
	Tangent	ST	7034+46.93	1841794.77	6674877.07		13,751.29							S 44°31'14" E		
	Tangent	POE	7171+98.22	1831990.13	6684519.01											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 WYE - SOUTHBOUND TRACK MERCED TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	15030+97.16	1853129.51	6620305.62		2,633.88							S 89°30'27" W		
	TANGENT	TS	15057+31.04	1853106.87	6617671.84											
152 N-11 MER-FRE 1 SB	COSINE	TS	15057+31.04	1853106.87	6617671.84											
	COSINE	SPI	15067+85.25	1853097.81	6616617.68		1,500.00	4°09'07"	749.94	5.15				S 89°30'27" W	N 86°20'26" W	
	COSINE	SC	15072+31.04	1853126.29	6616172.33											
	ARC	SC	15072+31.04	1853126.29	6616172.33											
	ARC	PI	15162+22.90	1853700.18	6607198.81	10,350.00	14,806.61	81°58'00"			150	5.75	2.99		N 86°20'26" W	N 4°22'26" W
	ARC	CC		1863455.19	6616832.91											
	ARC	CS	15220+37.66	1862665.85	6606513.05											
	COSINE	CS	15220+37.66	1862665.85	6606513.05											
	COSINE	SPI	15224+83.91	1863110.81	6606479.02		1,500.00	4°09'07"	749.94	5.15					N 4°22'26" W	N 0°13'19" W
	COSINE	ST	15235+37.66	1864165.00	6606474.93											
	TANGENT	ST	15235+37.66	1864165.00	6606474.93		17,191.85							N 0°13'19" W		
	TANGENT	TS	15407+29.51	1881356.72	6606408.31											
152 N-11 MER-FRE 2 SB	COSINE	TS	15407+29.51	1881356.72	6606408.31											
	COSINE	SPI	15424+86.26	1883113.46	6606401.51		2,500.00	2°30'15"	1,249.96	5.17				N 0°13'19" W	N 2°43'34" W	
	COSINE	SC	15432+29.51	1883856.14	6606366.14											
	ARC	SC	15432+29.51	1883856.14	6606366.14											
	ARC	PI	15534+52.12	1894067.19	6605879.92	28,600.00	19,635.74	39°20'14"			250	5.75	2.99		N 2°43'34" W	N 42°03'48" W
	ARC	CC		1882495.83	6577798.51											
	ARC	CS	15628+65.25	1901656.49	6599031.25											
	COSINE	CS	15628+65.25	1901656.49	6599031.25											
	COSINE	SPI	15636+08.78	1902208.49	6598533.12		2,500.00	2°30'15"	1,249.96	5.17					N 42°03'48" W	N 44°34'03" W
	COSINE	ST	15653+65.25	1903460.04	6597300.32											
	TANGENT	ST	15653+65.25	1903460.04	6597300.32		134.75							N 44°34'03" W		
	TANGENT	POE	15655+00.00	1903556.04	6597205.75											

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 5 OF 7

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0054-D

SCALE
N.T.S.

SHEET NO.

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	POE	25655+00.00	1903567.62	6597217.51												

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRIC DATA
SHEET 6 OF 7

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0055-D

SCALE
N.T.S.

SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 11 WYE - SOUTHBOUND TRACK SAN JOSE TO MERCED

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	36146+65.49	1853059.59	6589438.20		4,261.94							N 89°54'47" E		
	TANGENT	TS	36189+27.43	1853066.05	6593700.13											
152 N-11 SJD-MER 1 SB	COSINE	TS	36189+27.43	1853066.05	6593700.13											
	COSINE	SPI	36199+81.57	1853067.65	6594754.27		1,500.00	3°34'52"	749.96	4.44					N 89**°	N 86°19'56" E
	COSINE	SC	36204+27.43	1853096.19	6595199.56											
	ARC	SC	36204+27.43	1853096.19	6595199.56											
	ARC	PI	36310+39.13	1853775.04	6605789.52	12,000.00	17,377.87	82°58'24"			150	4.50	3.00		N 86**°	N 3°21'32" E
	ARC	CC		1865071.61	6594431.89											
	ARC	CS	36378+05.30	1864368.52	6606411.28											
	COSINE	CS	36378+05.30	1864368.52	6606411.28											
	COSINE	SPI	36382+51.50	1864813.95	6606437.42		1,500.00	3°34'52"	749.96	4.44					N 3**°	N 0°13'19" W
	COSINE	ST	36393+05.30	1865868.08	6606433.34											
	TANGENT	ST	36393+05.30	1865868.08	6606433.34		4,292.38							N 0°13'19" W		
	TANGENT	TS	36435+97.69	1870160.43	6606416.70											

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

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	46149+81.89	1852983.58	6589754.71		3,955.56							N 89°54'47" E		
	TANGENT	TS	46189+37.45	1852989.57	6593710.27											
152 N-11 SJD-MER 1 NB	COSINE	TS	46189+37.45	1852989.57	6593710.27											
	COSINE	SPI	46199+91.59	1852991.17	6594764.41		1,500.00	3°33'30"	749.96	4.41					N 89°54'47" E	N 86°21'18" E
	COSINE	SC	46204+37.45	1853019.54	6595209.70											
	ARC	SC	46204+37.45	1853019.54	6595209.70											
	ARC	PI	46311+25.33	1853699.03	6605875.95	12,076.50	17,498.22	83°01'07"			150	4.50	2.95		N86°21'18"E	N 3°20'11" E
	ARC	CC		1865071.60	6594441.92											
	ARC	CS	46379+35.67	1864368.80	6606497.95											
	COSINE	CS	46379+35.67	1864368.80	6606497.95											
	COSINE	SPI	46383+81.87	1864814.24	6606523.92		1,500.00	3°33'30"	749.96	4.41					N 3°20'11" E	N 0°13'19" W
	COSINE	ST	46394+35.67	1865868.37	6606519.83											
	TANGENT	ST	46394+35.67	1865868.37	6606519.83		4,292.25							N 0°13'19" W		
	TANGENT	TS	46437+27.92	1870160.59	6606503.20											

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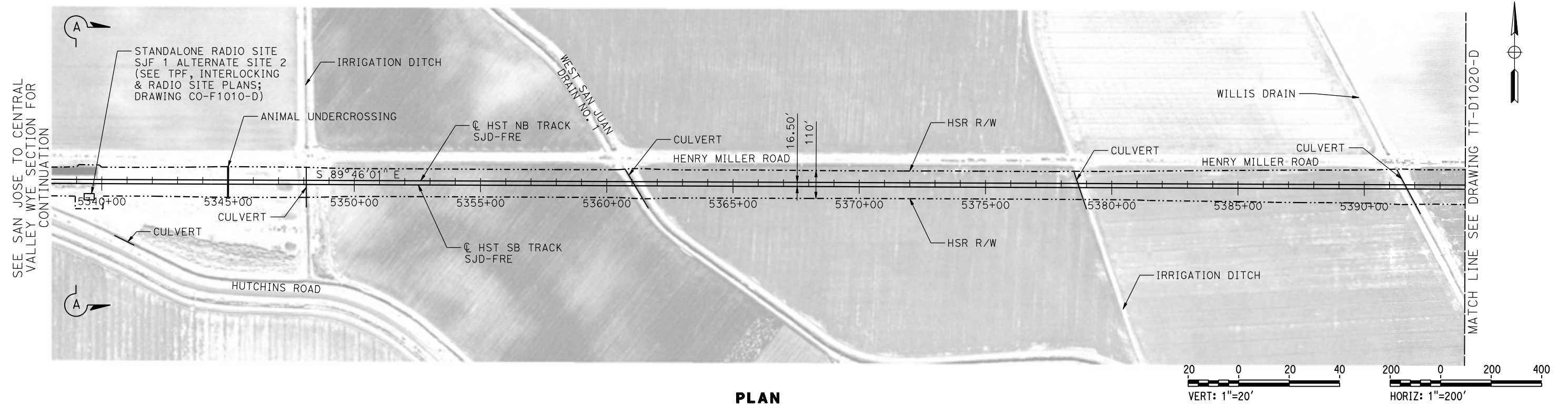
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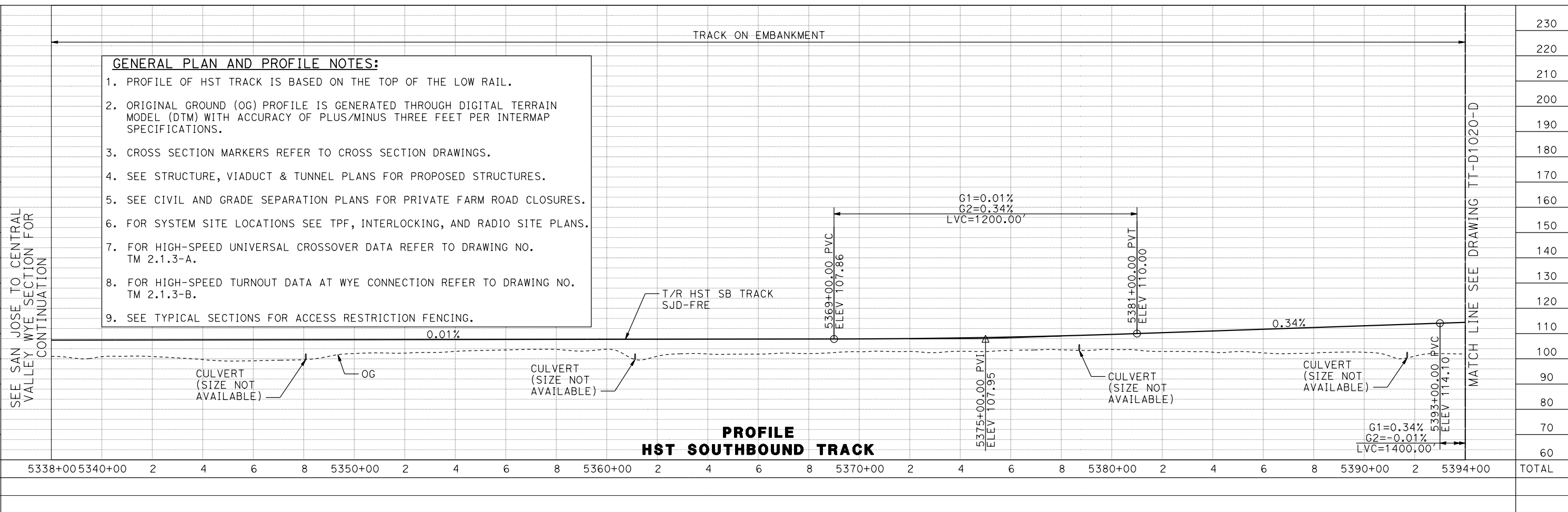
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA
SHEET 7 OF 7

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

16-AUG-2016 10:19 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

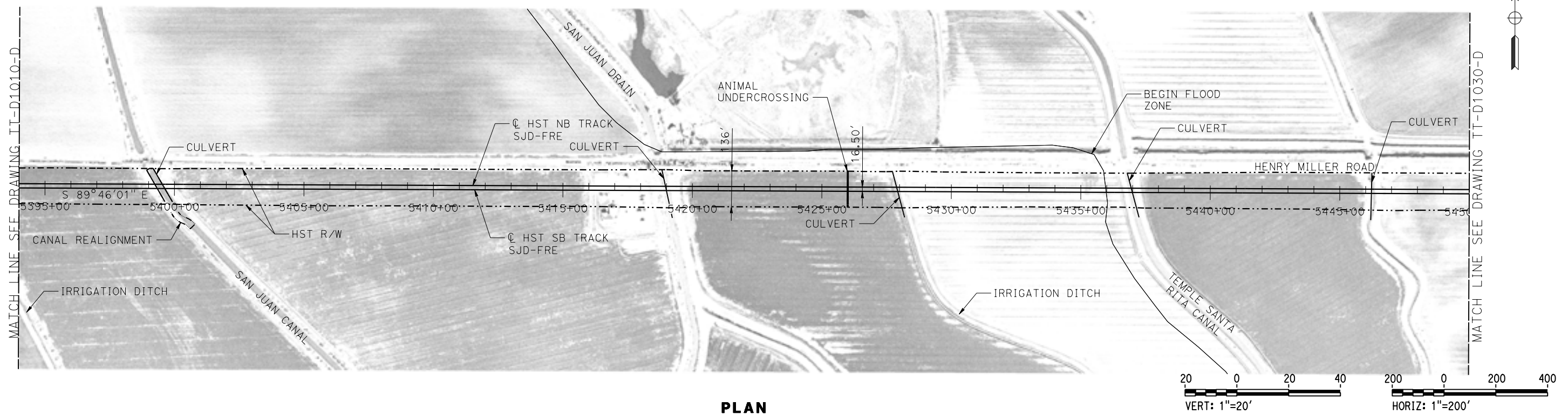
NOT FOR
CONSTRUCTION



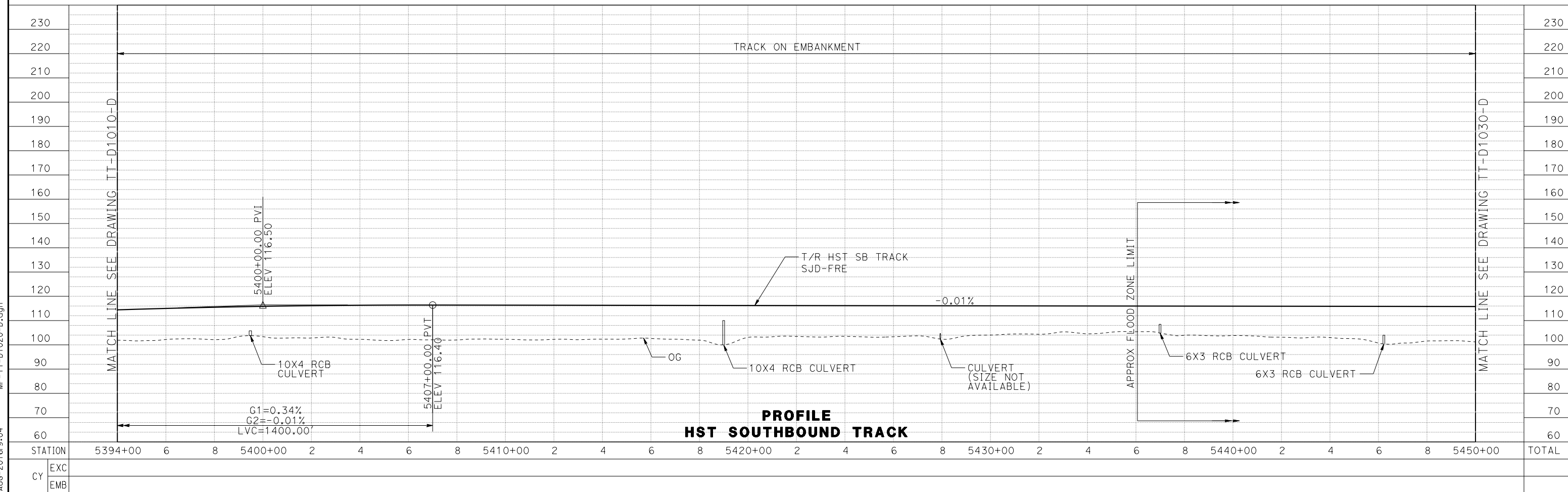
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

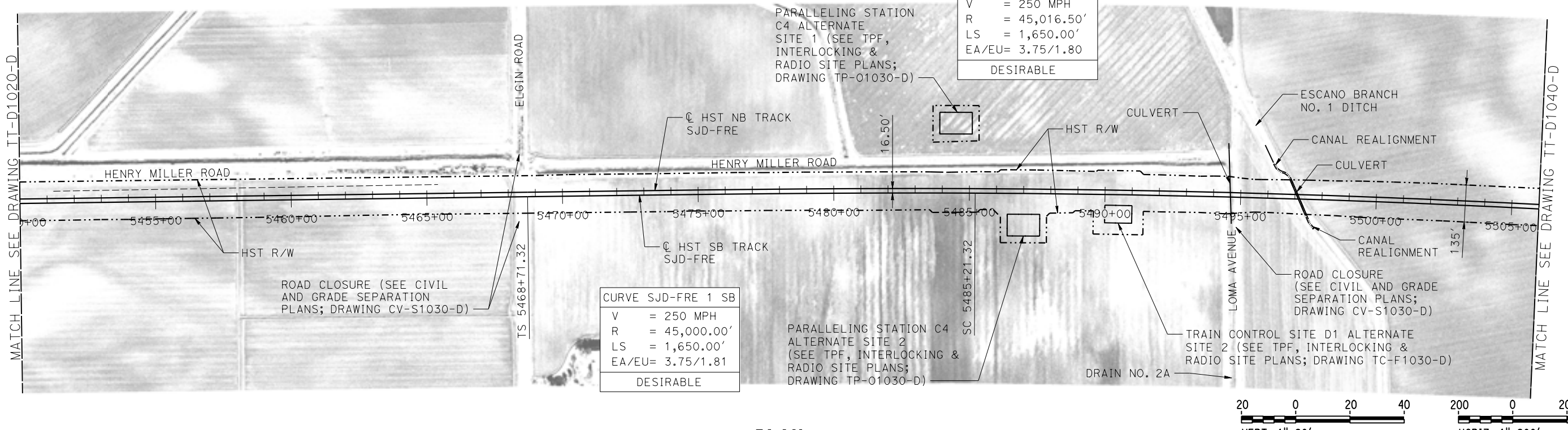
REV	DATE	BY	CHK	APP	DESCRIPTION

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		
--	---	--	--

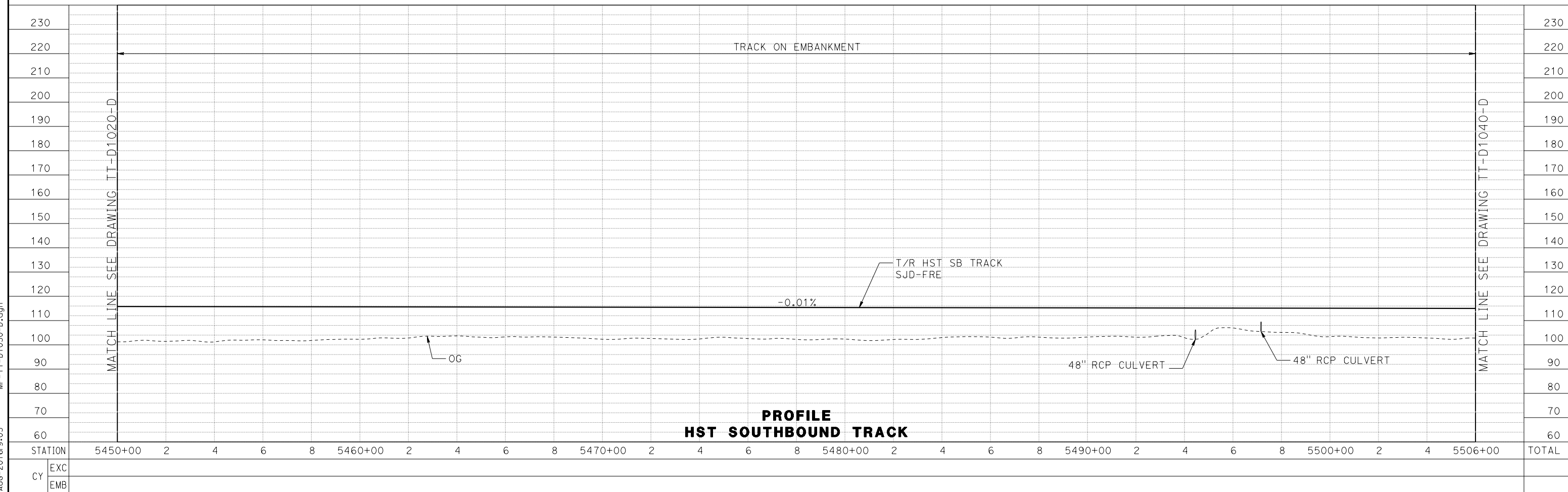
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5394+00 TO 5450+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1020-D SCALE AS SHOWN SHEET NO.
--	---

15-AUG-2016 9:04 MF-TT-D1020-D.dgn P0066533

MERCED COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

15-AUG-2016 9:05 MF-TT-D1030-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 5450+00 TO 5506+00

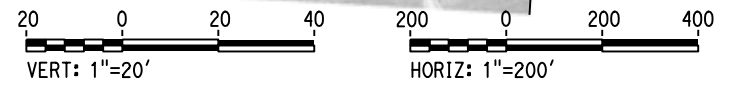
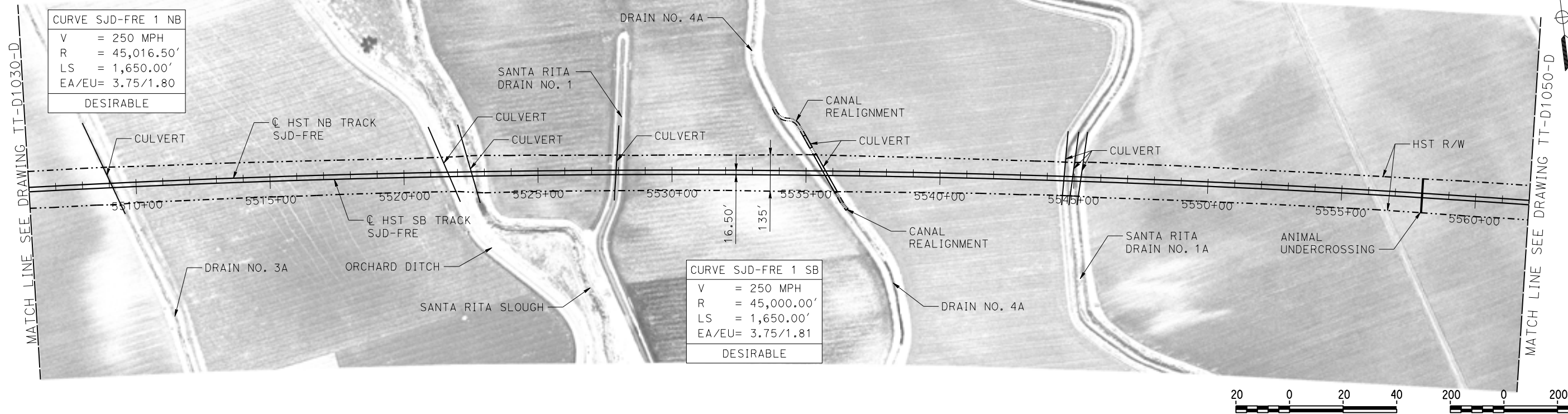
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1030-D

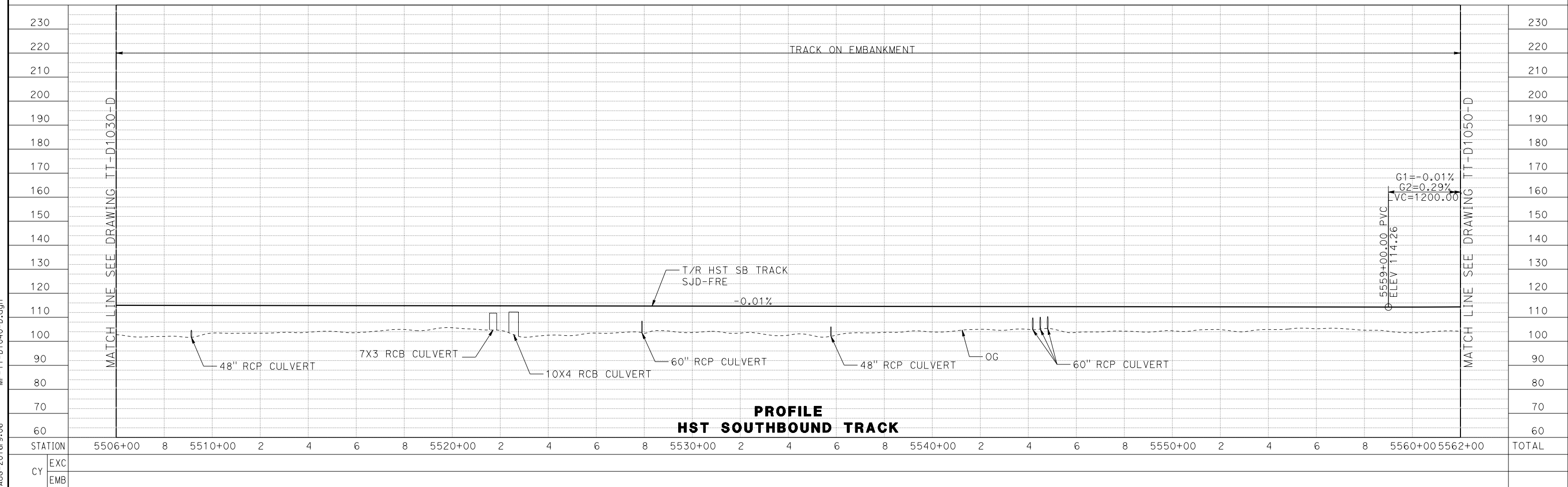
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

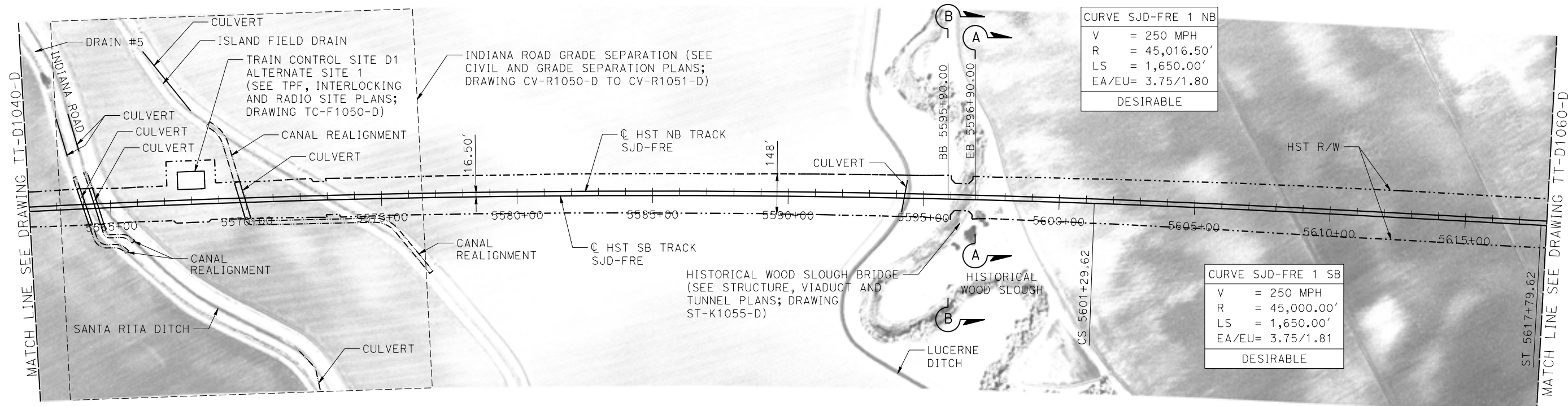


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5506+00 TO 5562+00

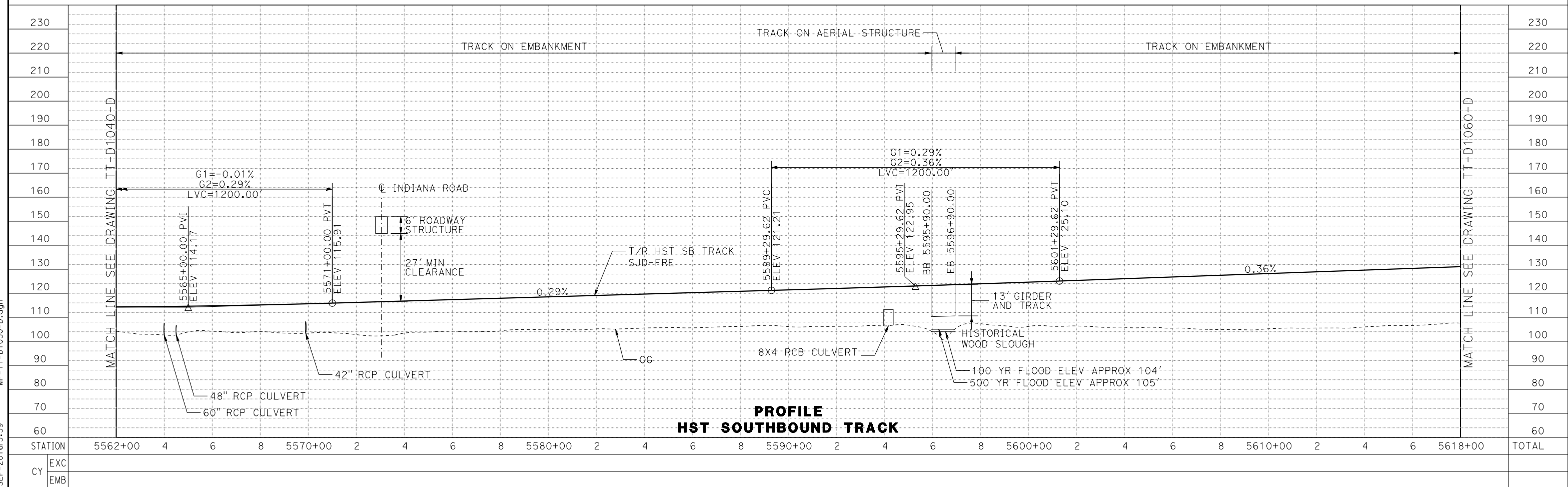
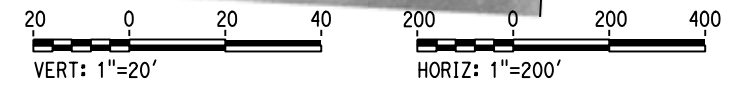
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1040-D
SCALE
AS SHOWN
SHEET NO.

15-AUG-2016 9:06 MF-TT-D1040-D.dgn

MERCED COUNTY



PLAN



MF-TT-D1050-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 5562+00 TO 5618+00

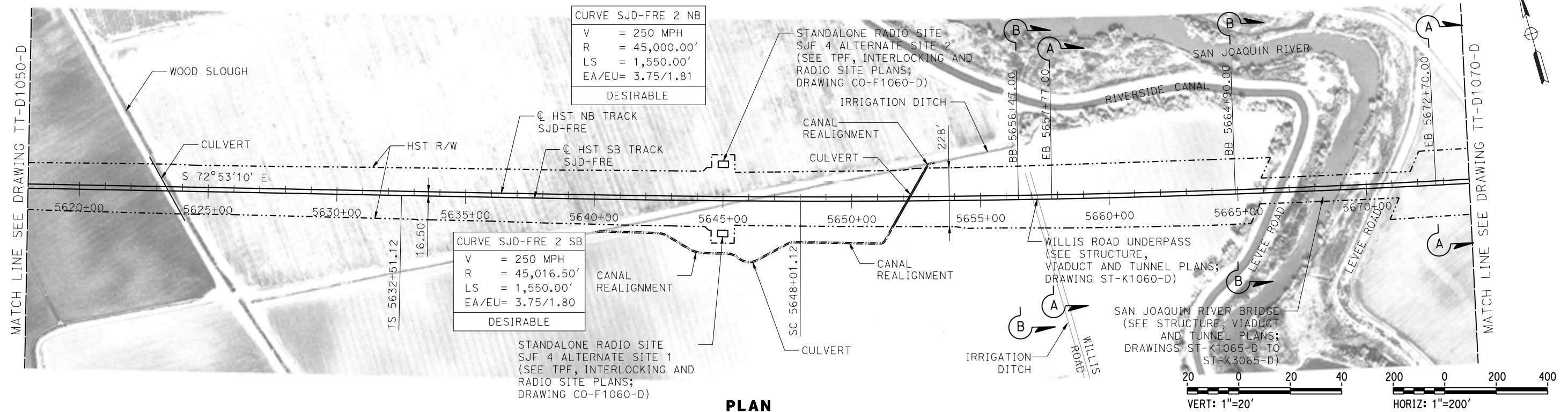
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1050-D

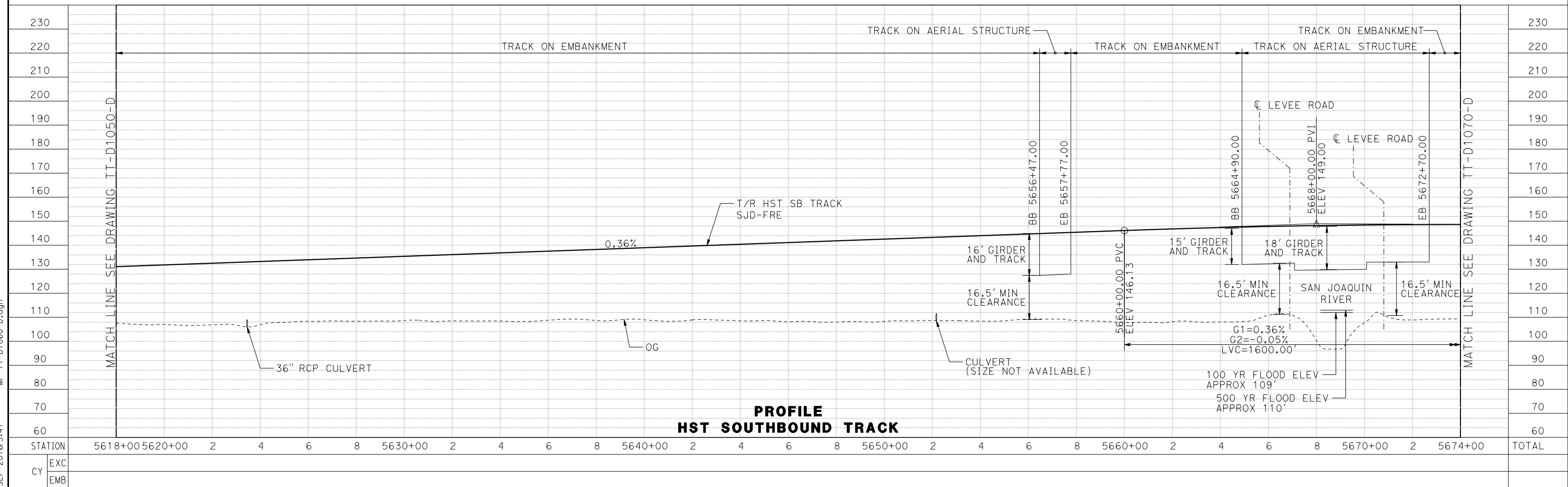
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1060-D.dgn
08-SEP-2016 13:41
P0066533

STATION	5618+00	5620+00	2	4	6	8	5630+00	2	4	6	8	5640+00	2	4	6	8	5650+00	2	4	6	8	5660+00	2	4	6	8	5670+00	2	5674+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
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

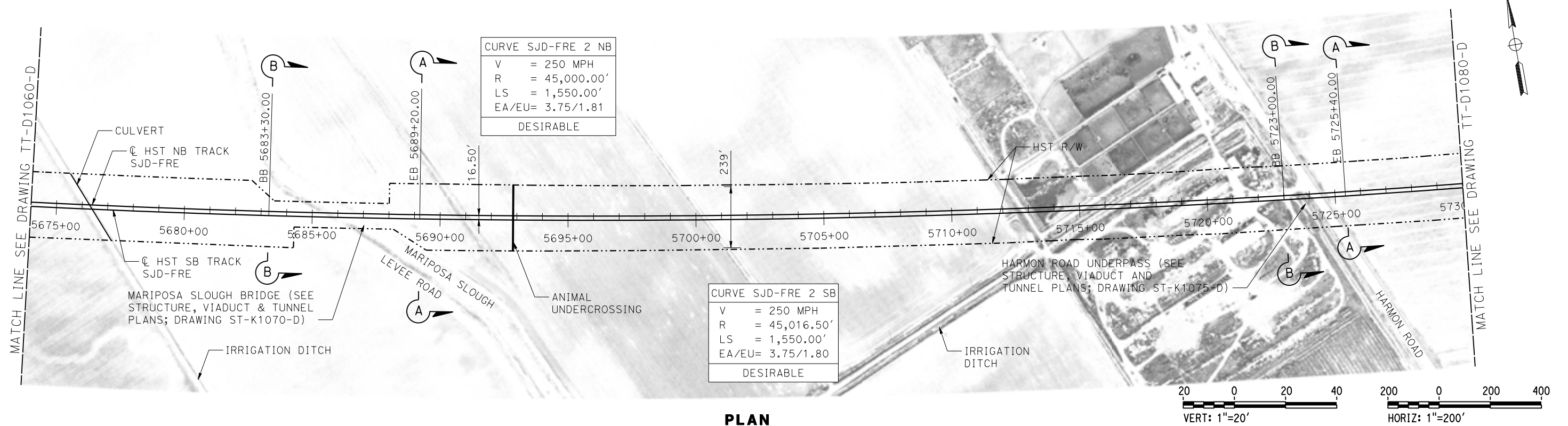
NOT FOR
CONSTRUCTION



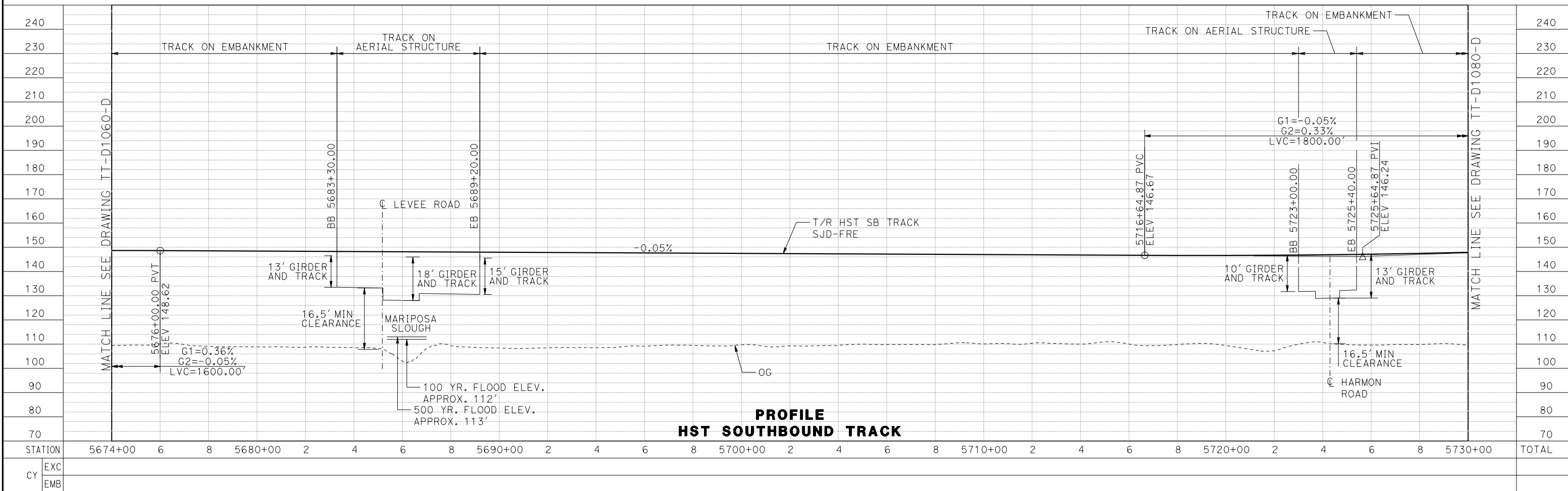
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5618+00 TO 5674+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

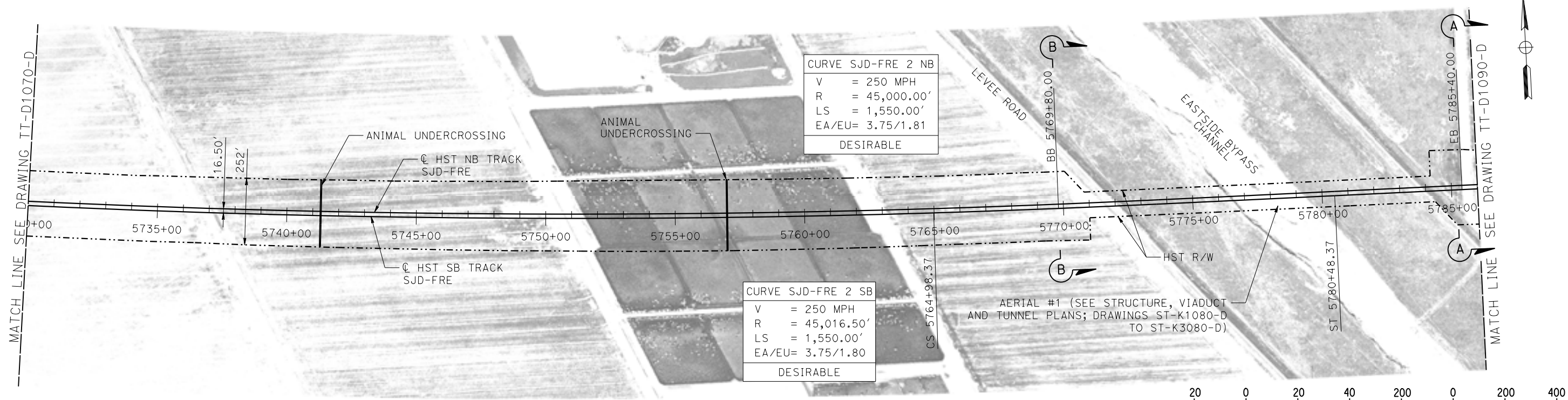
NOT FOR
CONSTRUCTION



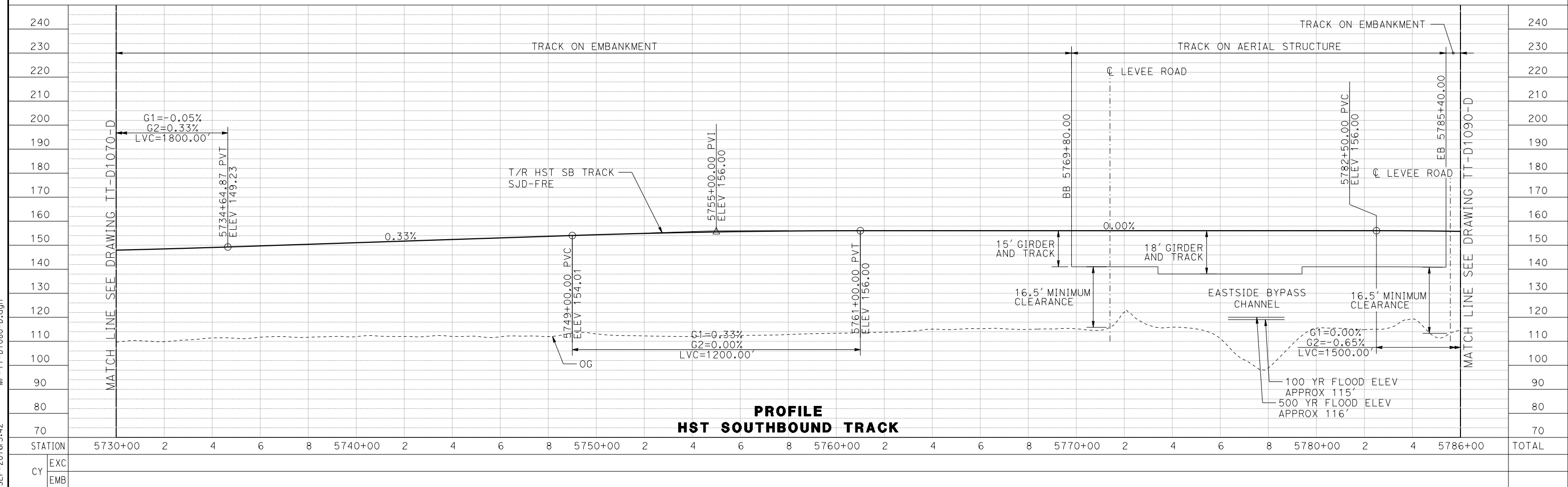
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5674+00 TO 5730+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

08-SEP-2016 3:42 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

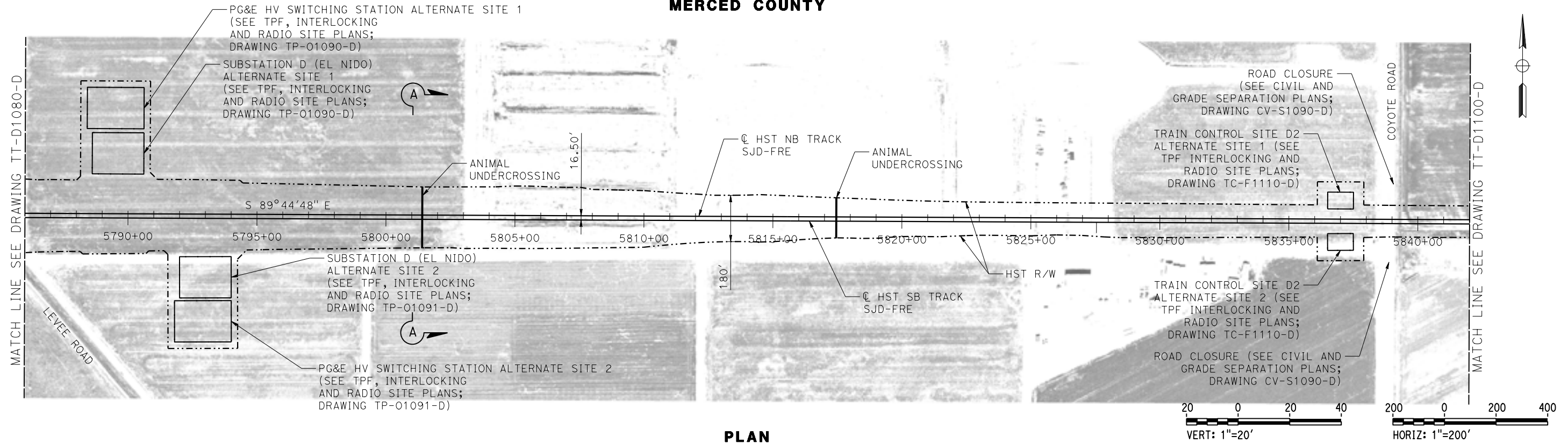
NOT FOR
CONSTRUCTION



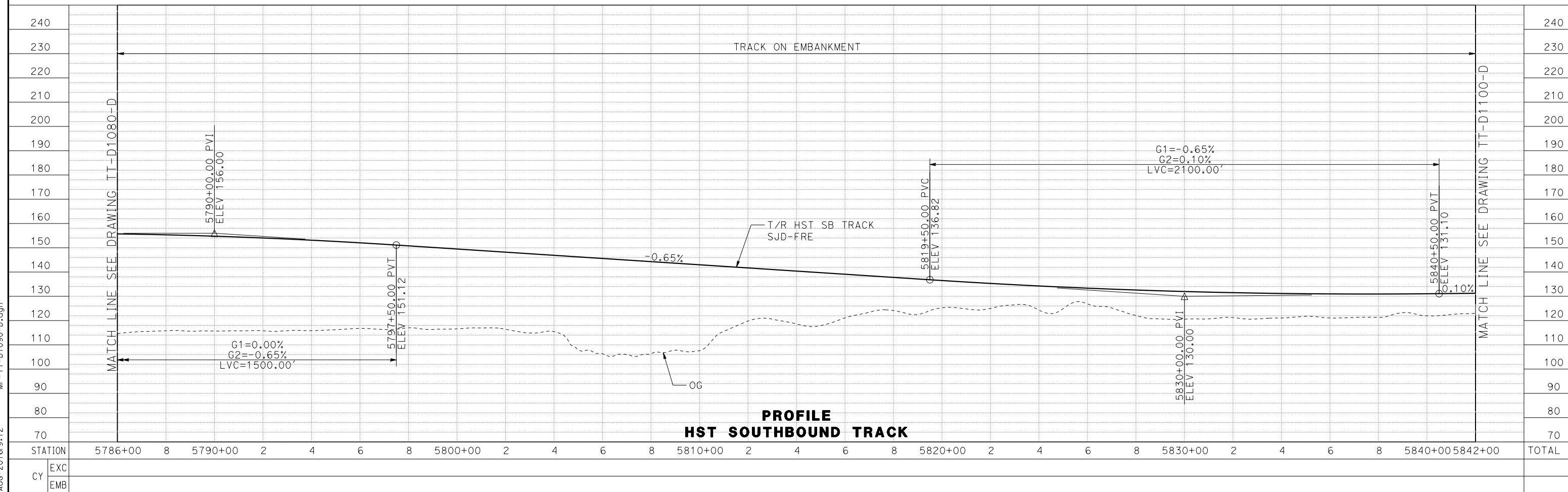
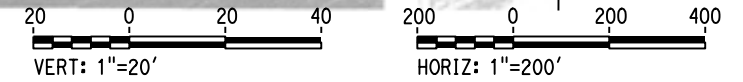
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5730+00 TO 5786+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	5786+00	8	5790+00	2	4	6	8	5800+00	2	4	6	8	5810+00	2	4	6	8	5820+00	2	4	6	8	5830+00	2	4	6	8	5840+00	5842+00	TOTAL
EXC																														
EMB																														

15-AUG-2016 9:12 MF-TT-D1090-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

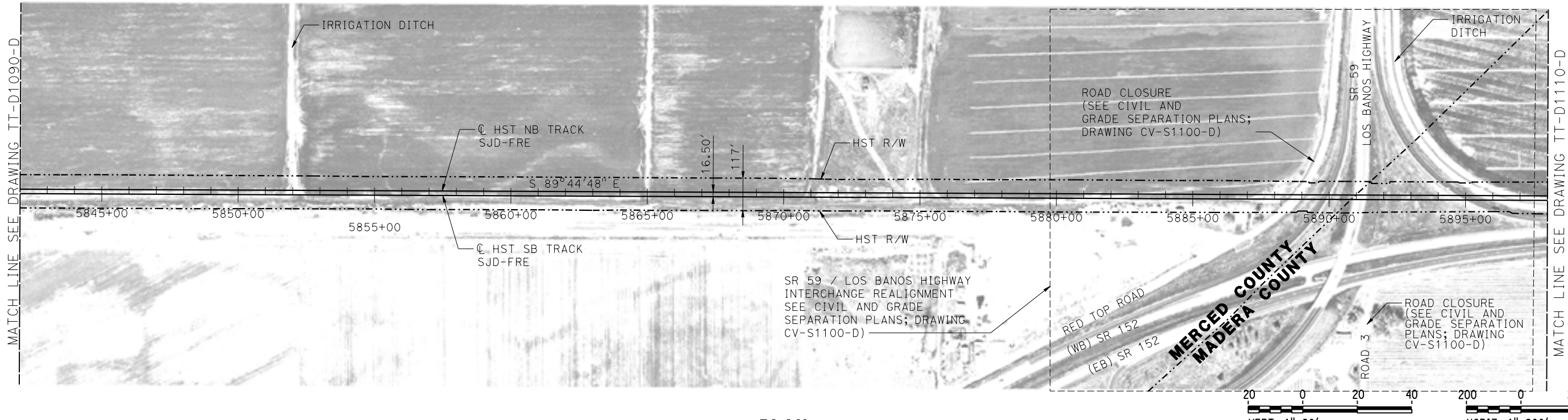
NOT FOR
CONSTRUCTION



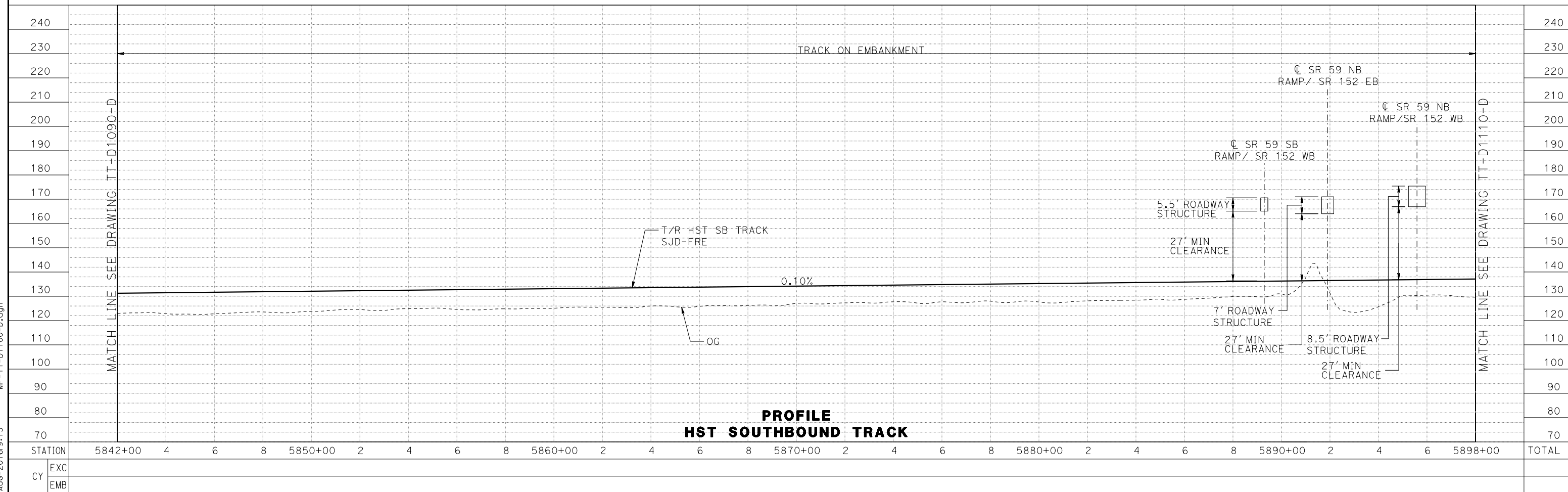
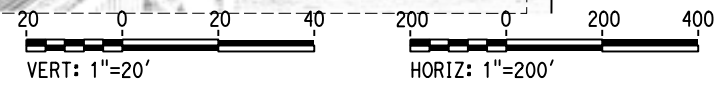
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5786+00 TO 5842+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

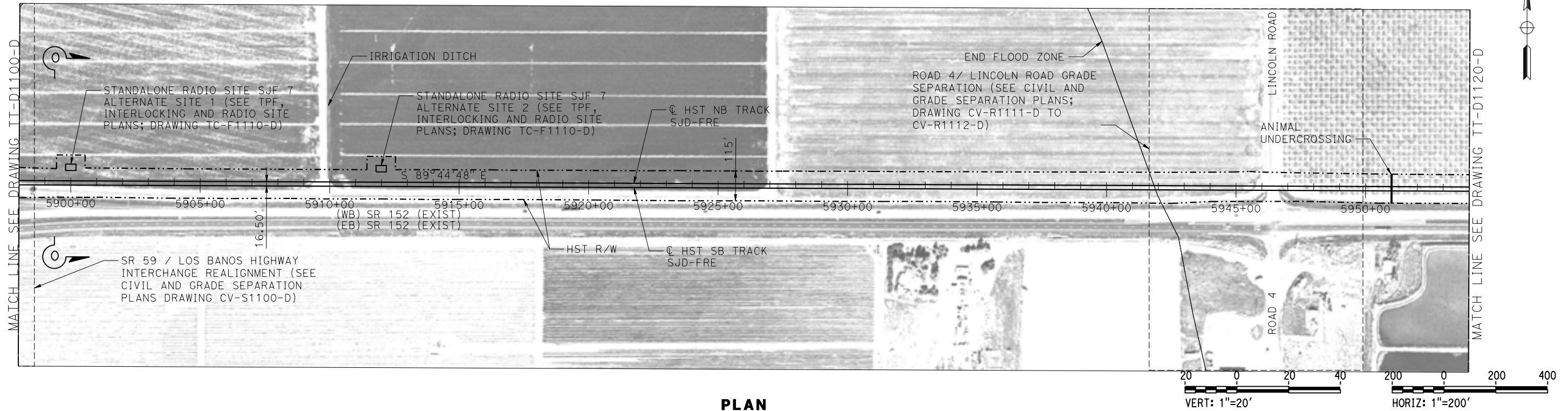
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 CALIFORNIA <small>HIGH-SPEED RAIL AUTHORITY</small>	CONTRACT NO. HSR08-05	DRAWING NO. TT-D1100-D	SCALE AS SHOWN	SHEET NO.
DRAWN BY J. MARTINE							
CHECKED BY N. OUM							
IN CHARGE C. LEMLEY							
DATE 08/12/2016							

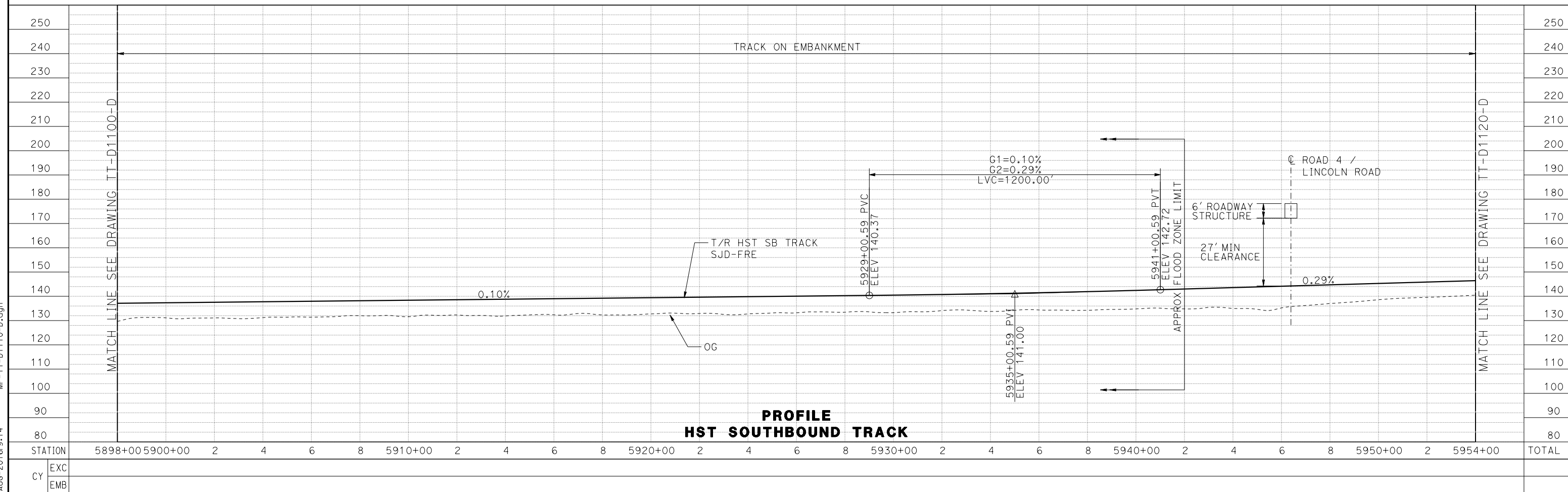
CALIFORNIA HIGH-SPEED TRAIN PROJECT				MERCED TO FRESNO SECTION			
CENTRAL VALLEY WYE							
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE							
TRACK PLAN AND PROFILE							
SJD-FRE STA 5842+00 TO 5898+00							

15-AUG-2016 9:13 MF-TT-D1100-D.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

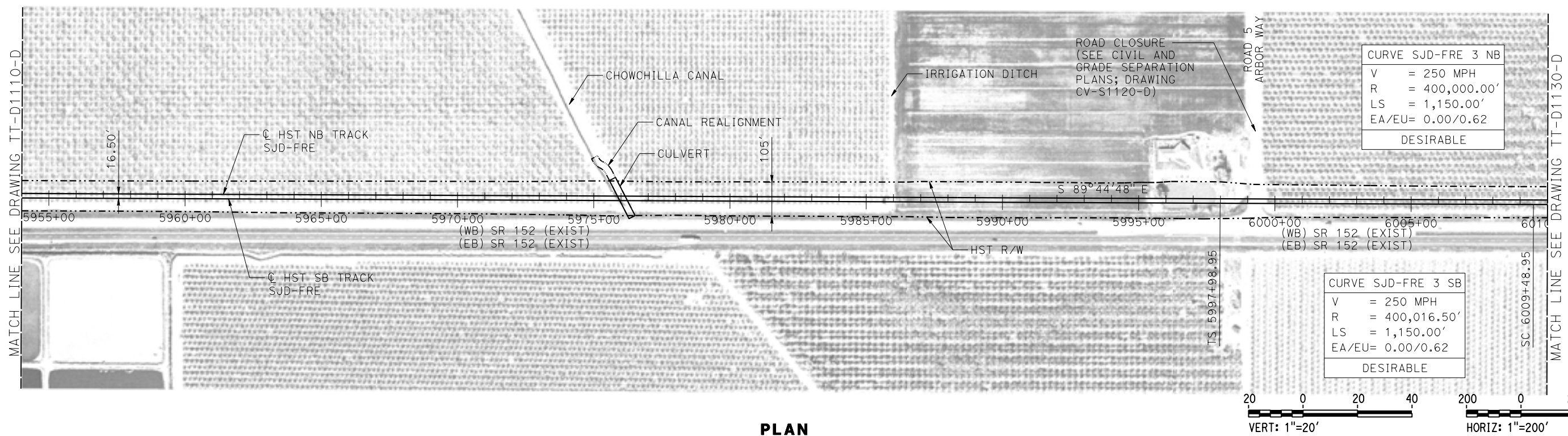
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 	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.
DATE 08/12/2016			

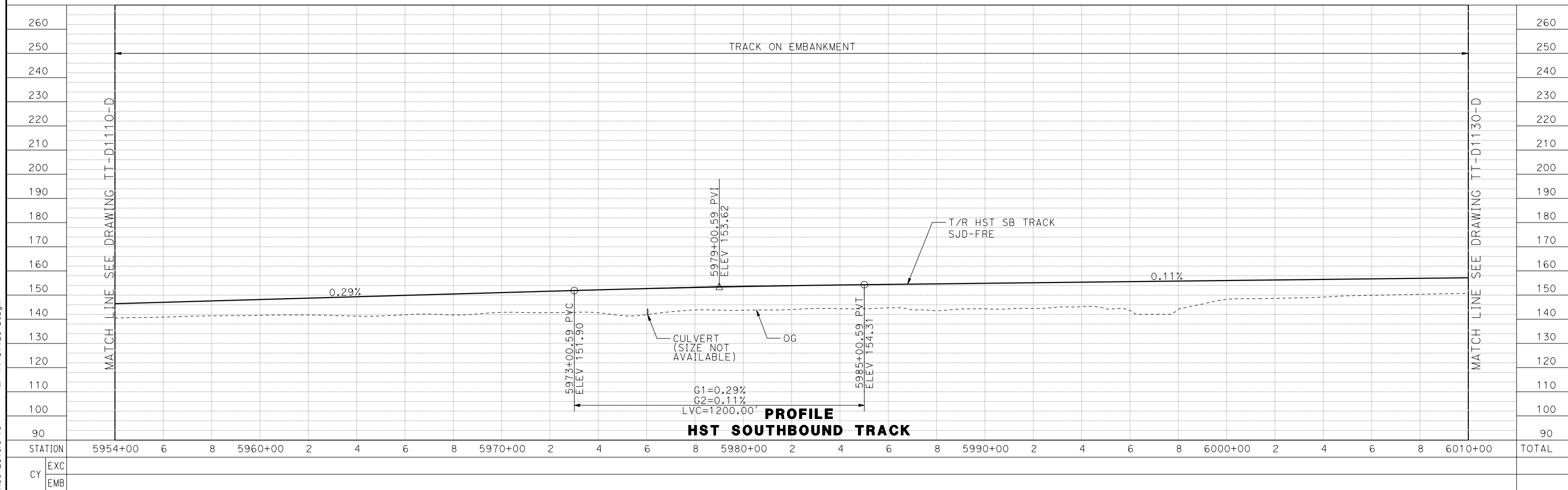
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 5898+00 TO 5954+00

15-AUG-2016 9:14 MF-TT-D1110-D.dgn

MADERA COUNTY



PLAN



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

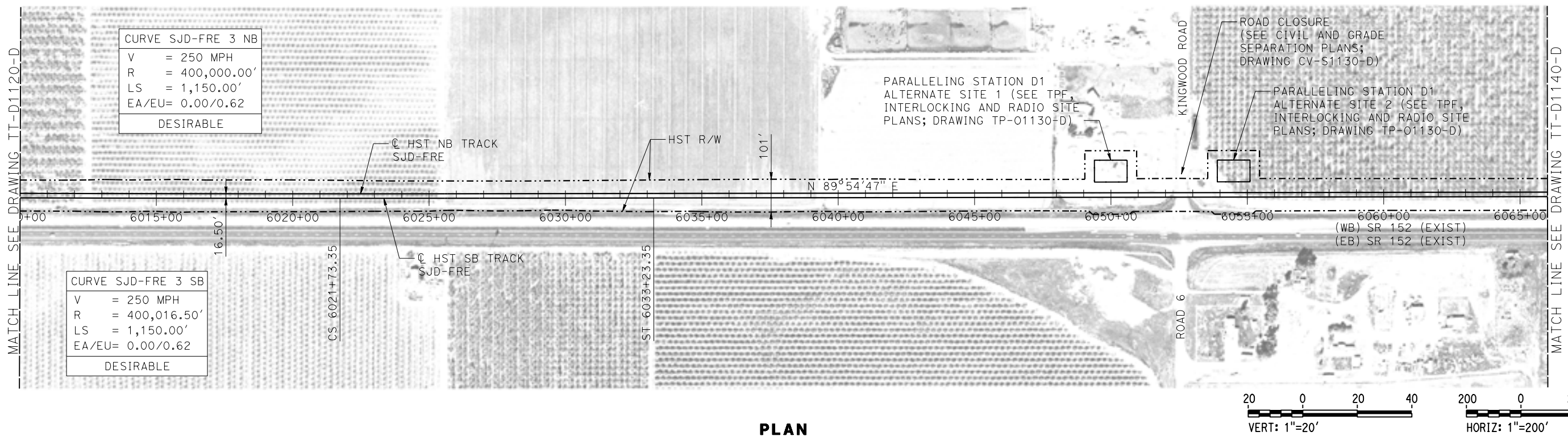
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1120-D

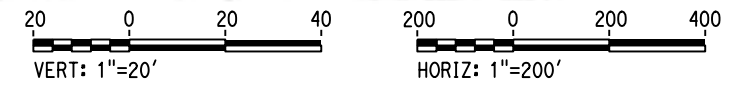
SCALE
AS SHOWN

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

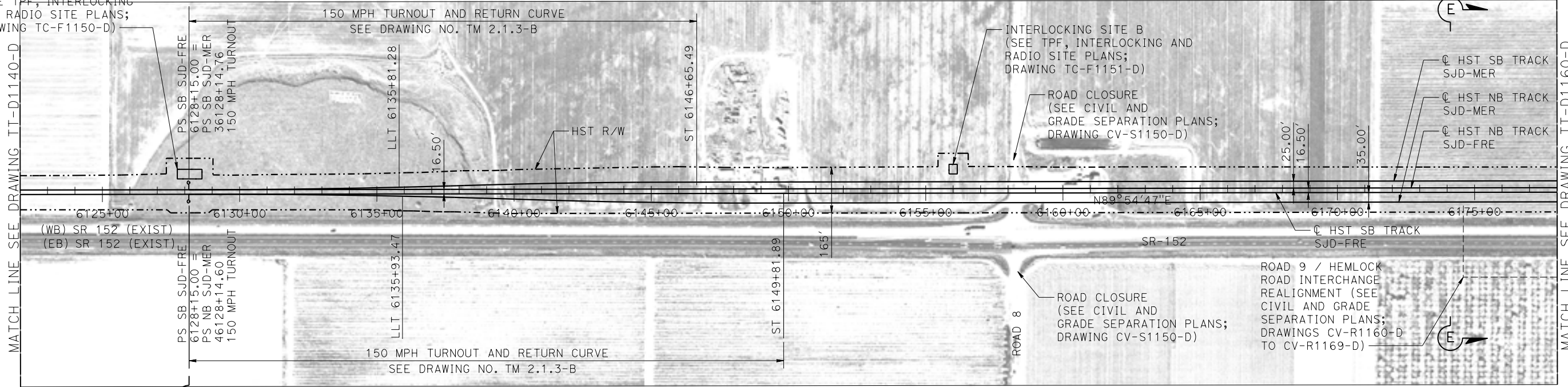
INTERLOCKING SITE AA
(SEE TPF, INTERLOCKING
AND RADIO SITE PLANS;
DRAWING TC-F1150-D)

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

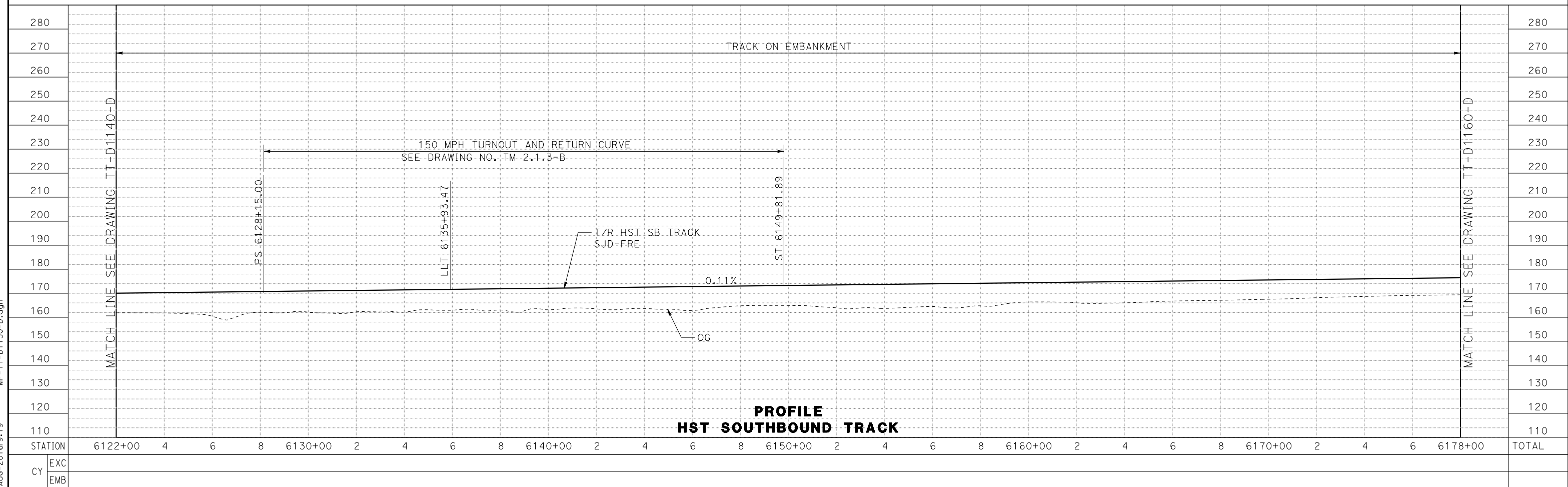
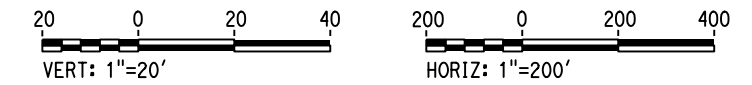
ROAD CLOSURE
(SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWING CV-S1150-D)

ROAD CLOSURE
(SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWING CV-S1150-D)

ROAD 9 / HEMLOCK
ROAD INTERCHANGE
REALIGNMENT (SEE
CIVIL AND GRADE
SEPARATION PLANS;
DRAWINGS CV-R1160-D
TO CV-R1169-D)



PLAN



PROFILE
HST SOUTHBOUND TRACK

STATION	6122+00	4	6	8	6130+00	2	4	6	8	6140+00	2	4	6	8	6150+00	2	4	6	8	6160+00	2	4	6	8	6170+00	2	4	6	6178+00	TOTAL
EXC																														
EMB																														

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**

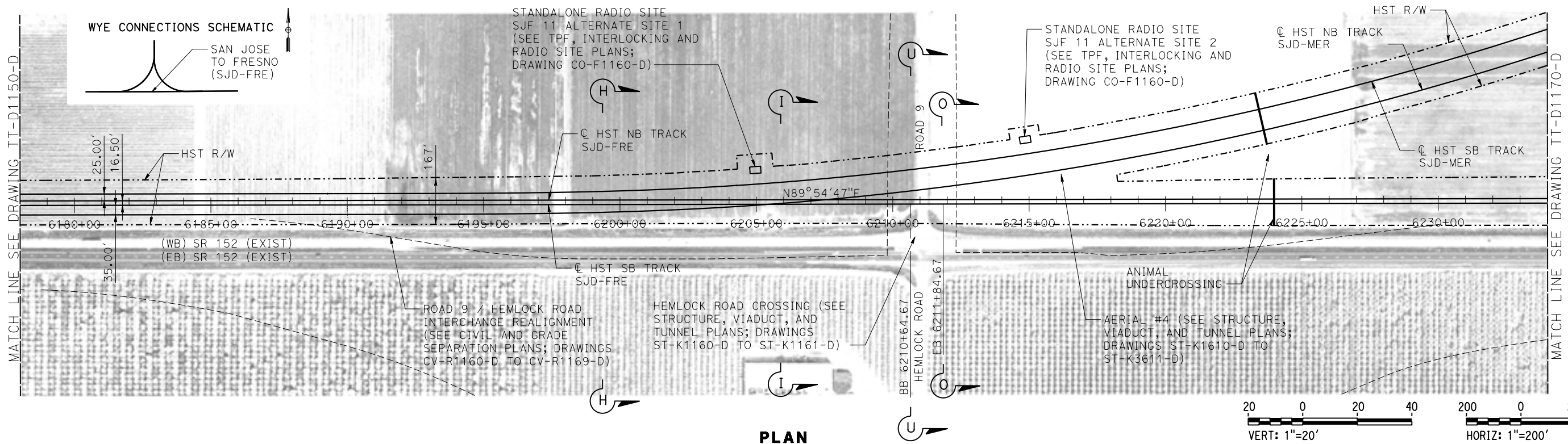


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6122+00 TO 6178+00

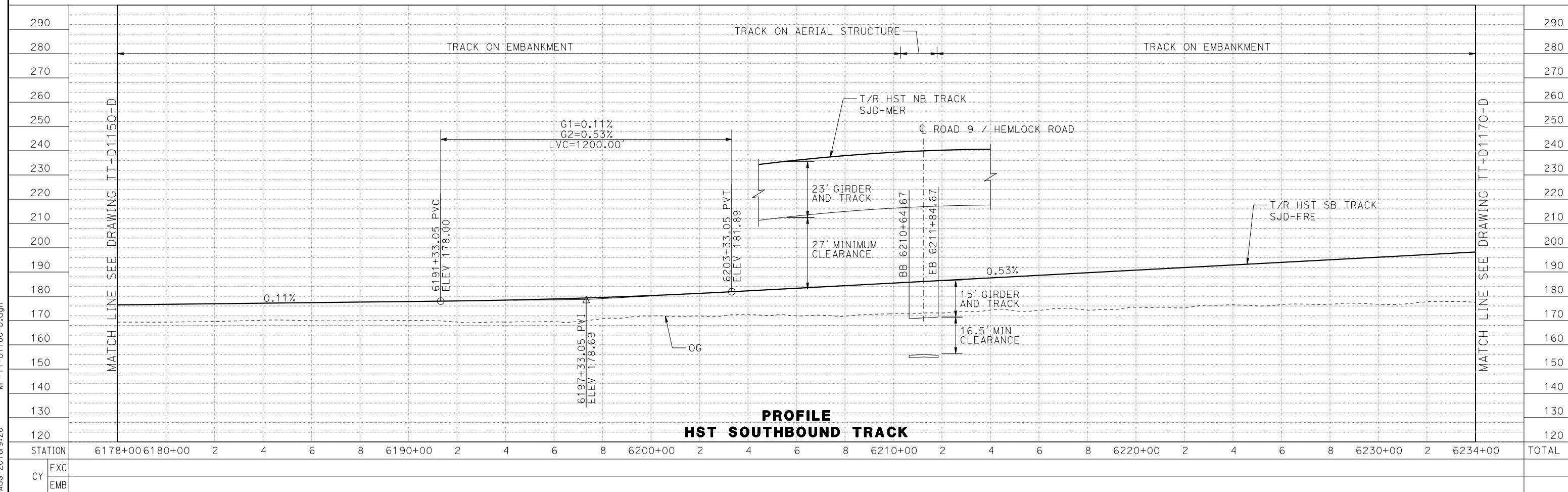
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1150-D
SCALE	AS SHOWN
SHEET NO.	

15-AUG-2016 9:19 MF-TT-D1150-D.dgn

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

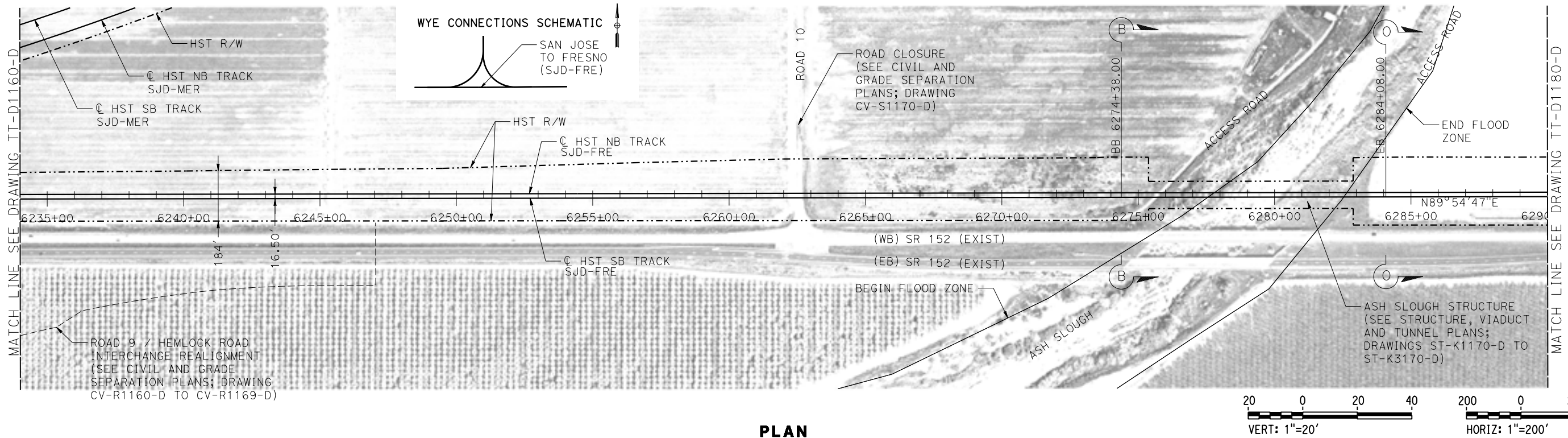
DESIGNED BY J. PEREZ DRAWN BY J. MARTINE CHECKED BY N. OUM IN CHARGE C. LEMLEY DATE 08/12/2016	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 CALIFORNIA HIGH-SPEED RAIL AUTHORITY
--	---	--------------------	--

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6178+00 TO 6234+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1160-D SCALE AS SHOWN SHEET NO.
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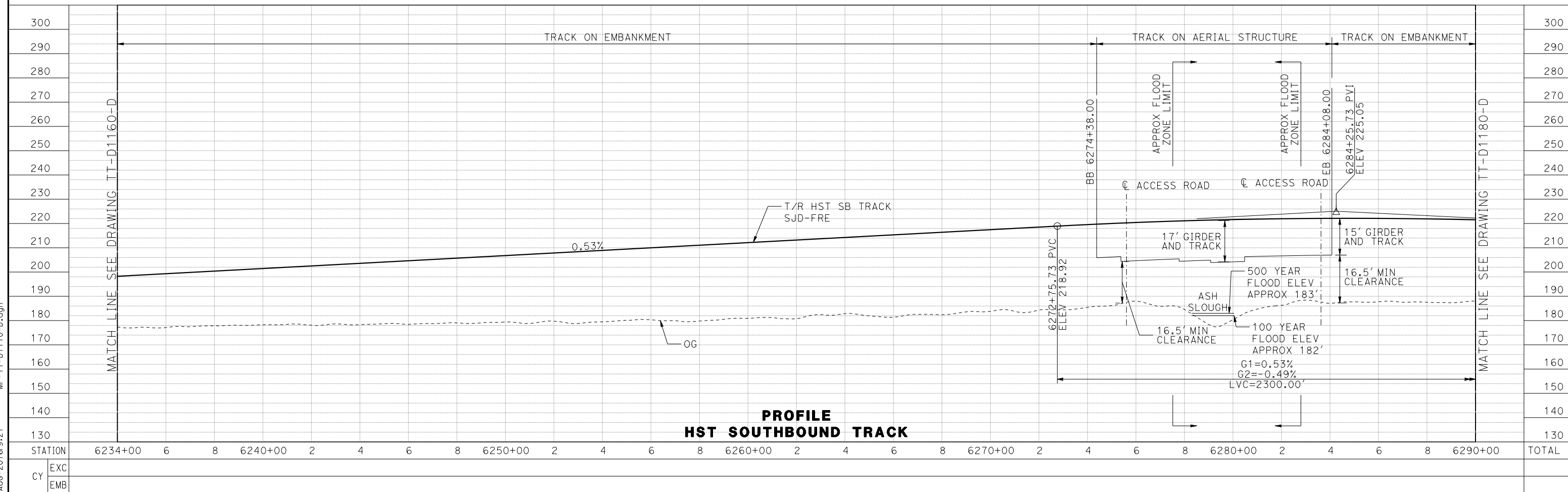
STATION	6178+00	6180+00	2	4	6	8	6190+00	2	4	6	8	6200+00	2	4	6	8	6210+00	2	4	6	8	6220+00	2	4	6	8	6230+00	2	6234+00	TOTAL
EXC																														
EMB																														

15-AUG-2016 9:20 MF-TT-D1160-D.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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



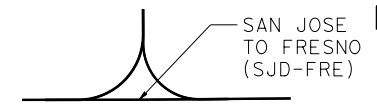
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6234+00 TO 6290+00

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

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

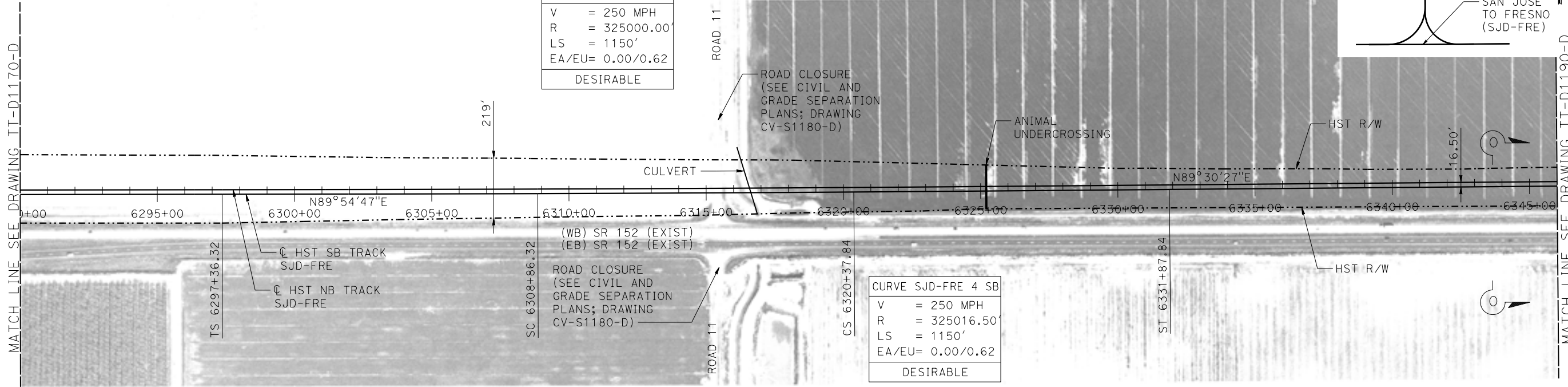
MADERA COUNTY

WYE CONNECTIONS SCHEMATIC

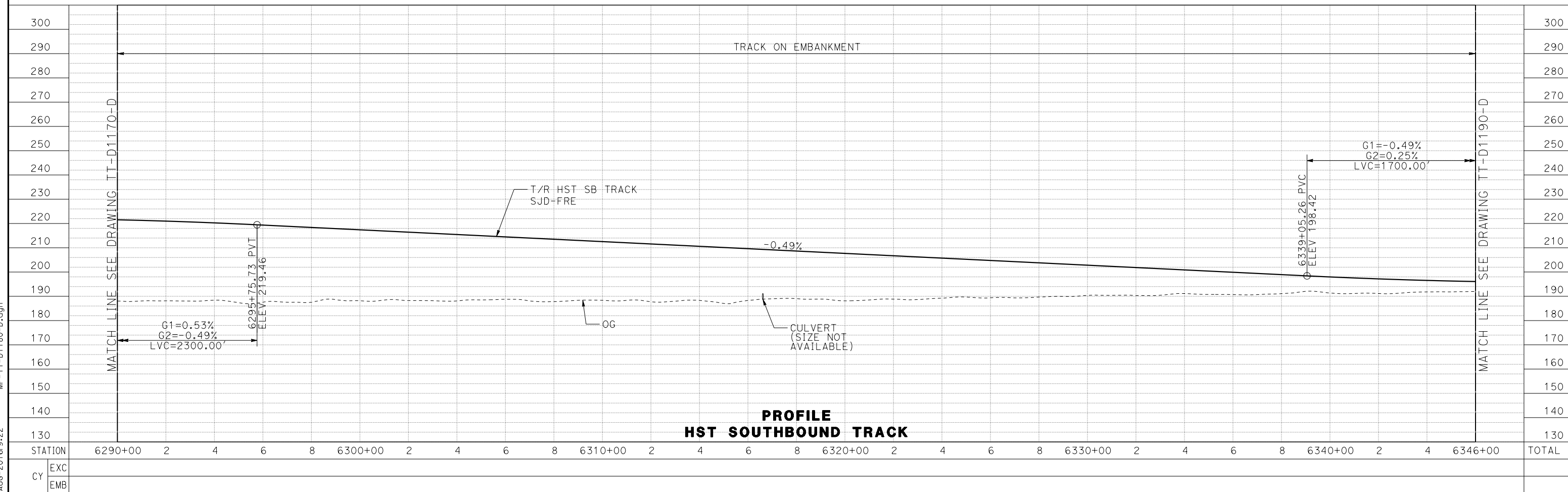
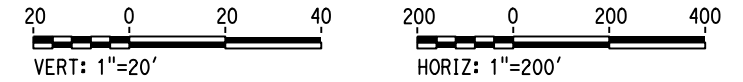


CURVE SJD-FRE 4 NB
 V = 250 MPH
 R = 325000.00'
 LS = 1150'
 EA/EU= 0.00/0.62
 DESIRABLE

CURVE SJD-FRE 4 SB
 V = 250 MPH
 R = 325016.50'
 LS = 1150'
 EA/EU= 0.00/0.62
 DESIRABLE



PLAN



PROFILE HST SOUTHBOUND TRACK

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

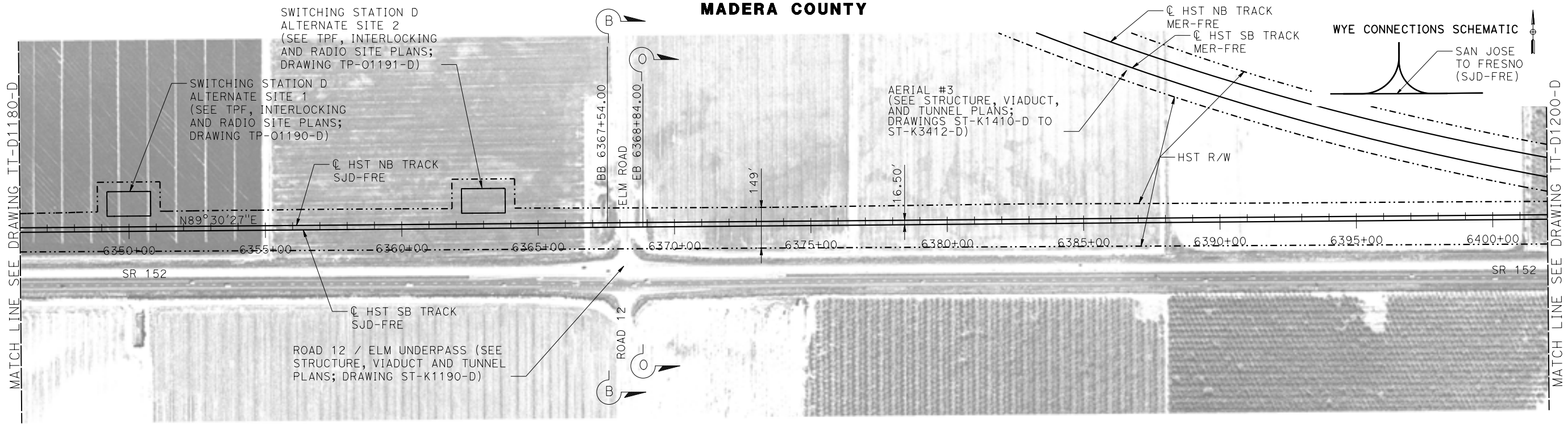


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 6290+00 TO 6346+00

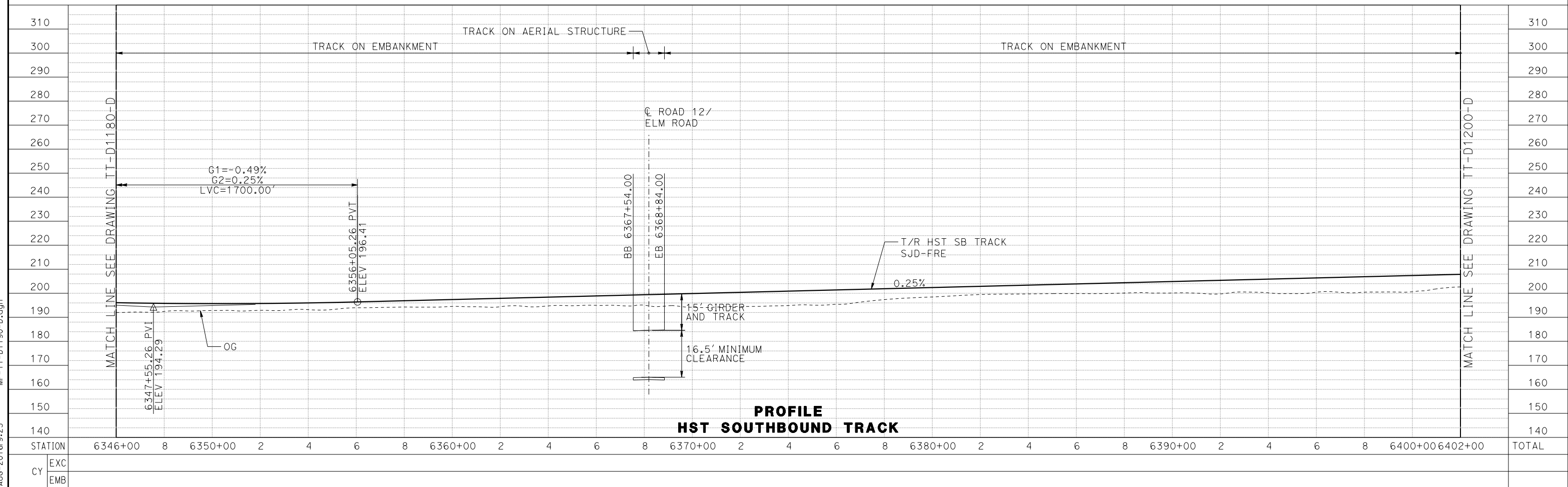
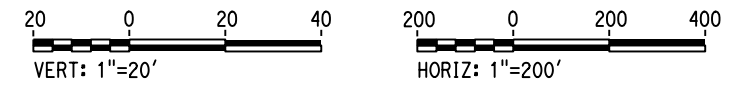
CONTRACT NO.
HSR08-05
 DRAWING NO.
TT-D1180-D
 SCALE
AS SHOWN
 SHEET NO.

15-AUG-2016 9:22 MF-TT-D1180-D.dgn P0066533

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

STATION	6346+00	8	6350+00	2	4	6	8	6360+00	2	4	6	8	6370+00	2	4	6	8	6380+00	2	4	6	8	6390+00	2	4	6	8	6400+00	6402+00	TOTAL
EXC																														
EMB																														

15-AUG-2016 9:23 MF-TT-D1190-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 6346+00 TO 6402+00

CONTRACT NO.
HSR08-05

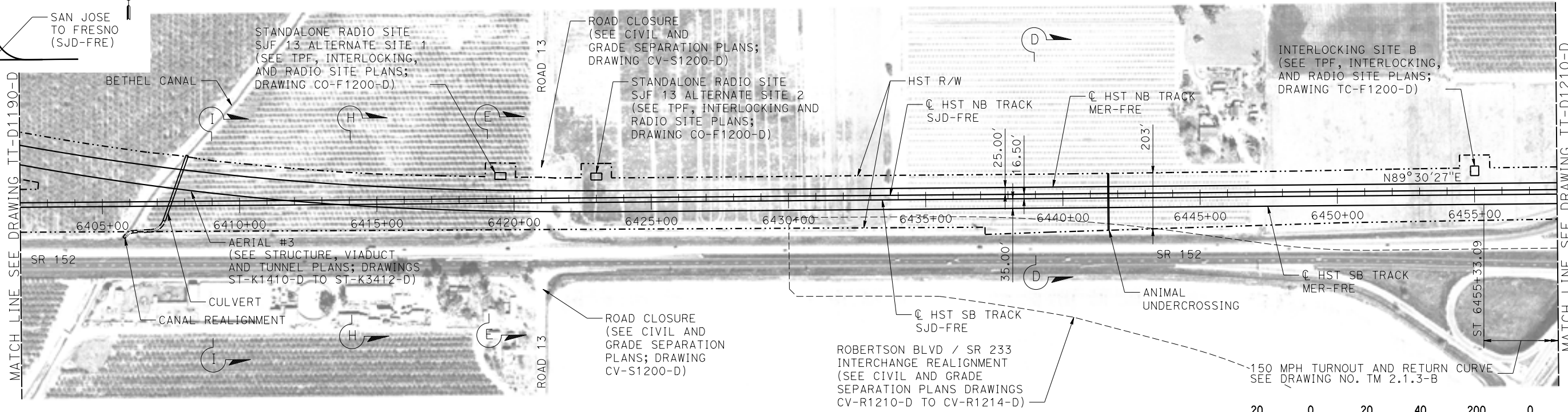
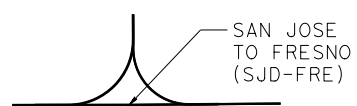
DRAWING NO.
TT-D1190-D

SCALE
AS SHOWN

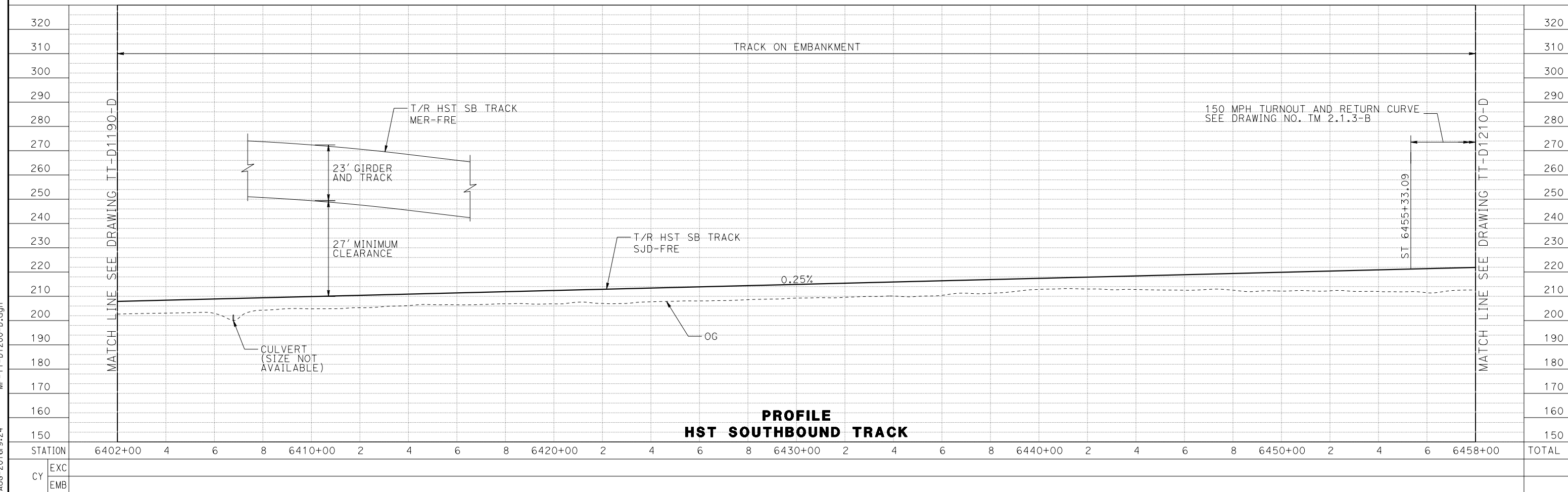
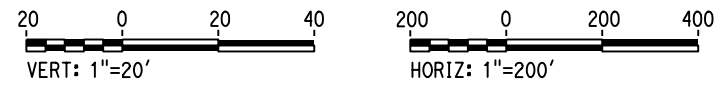
SHEET NO.

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE HST SOUTHBOUND TRACK

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

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

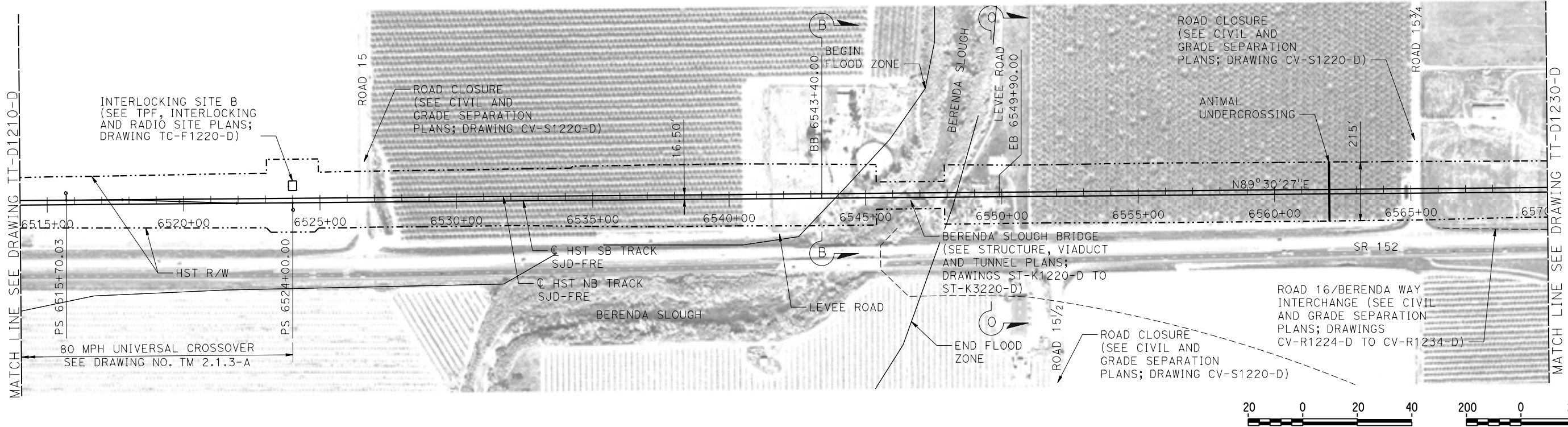
NOT FOR
CONSTRUCTION



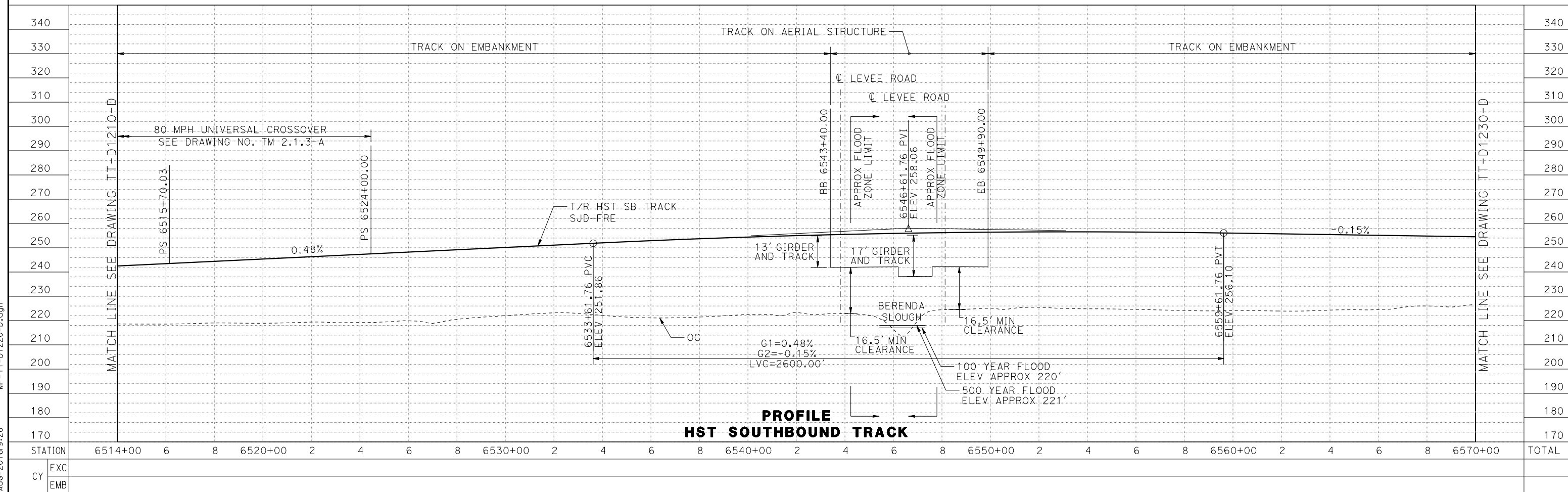
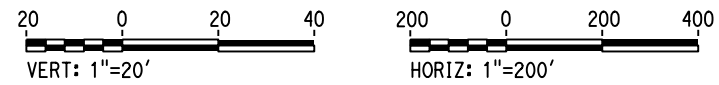
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

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

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

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 6514+00 TO 6570+00

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

15-AUG-2016 9:26 MF-TT-D1220-D.dgn

MADERA COUNTY

PARALLELING STATION D2
ALTERNATE SITE 1 (SEE TPF,
INTERLOCKING AND RADIO SITE
PLANS; DRAWING TP-01230-D)

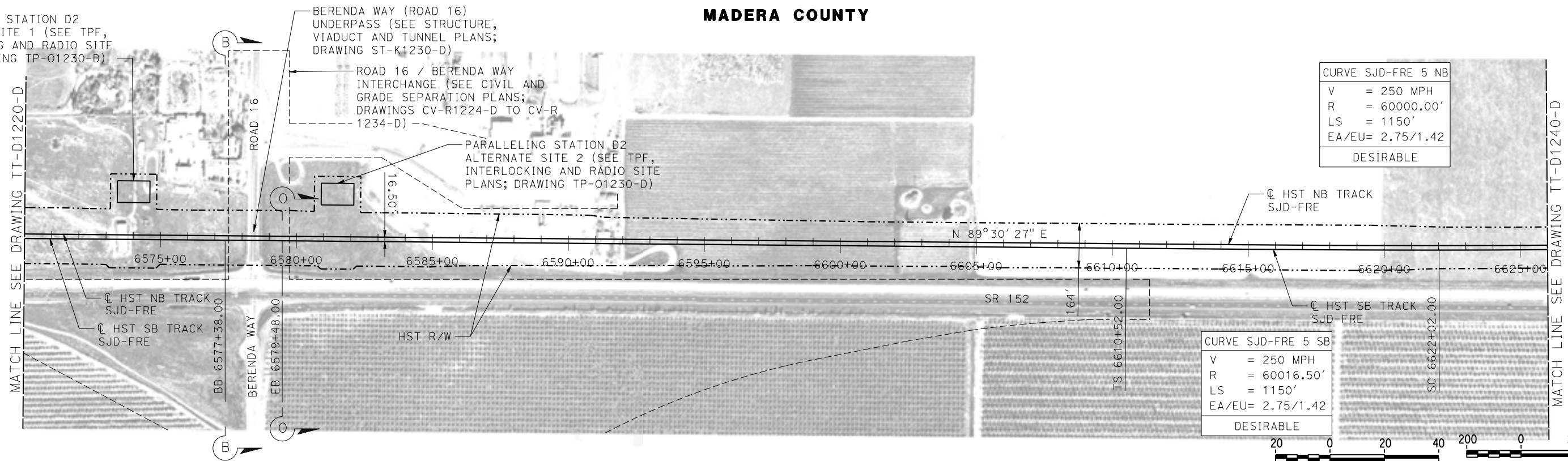
BERENDA WAY (ROAD 16)
UNDERPASS (SEE STRUCTURE,
VIADUCT AND TUNNEL PLANS;
DRAWING ST-K1230-D)

ROAD 16 / BERENDA WAY
INTERCHANGE (SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWINGS CV-R1224-D TO CV-R-
1234-D)

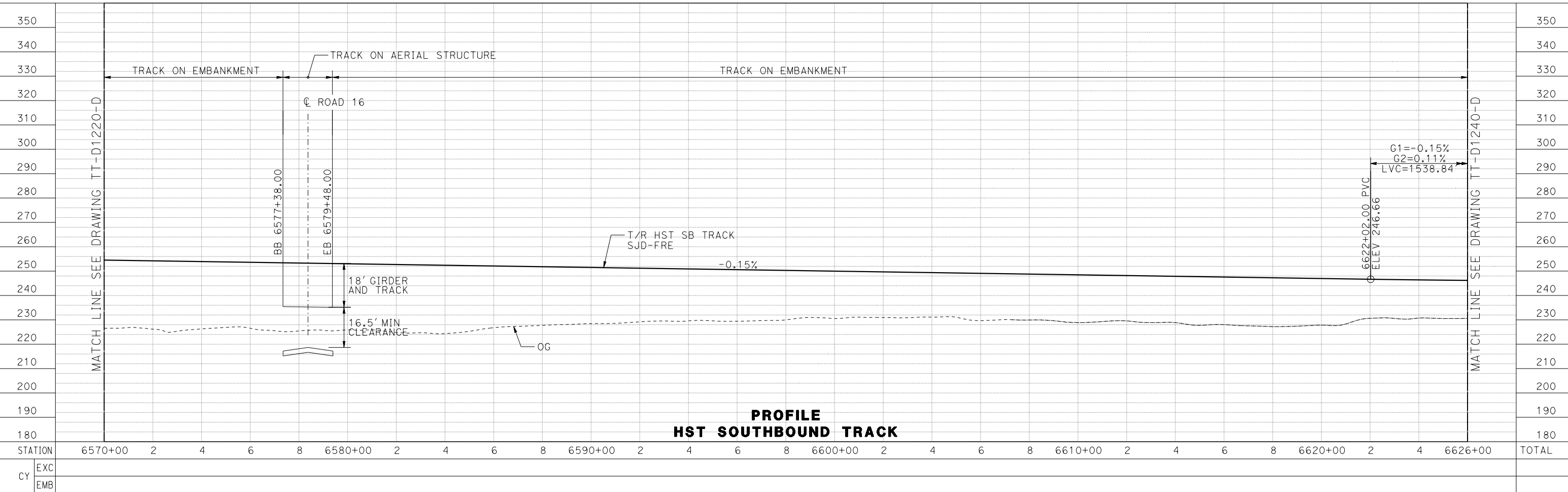
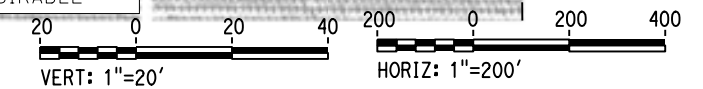
PARALLELING STATION D2
ALTERNATE SITE 2 (SEE TPF,
INTERLOCKING AND RADIO SITE
PLANS; DRAWING TP-01230-D)

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

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



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

08-SEP-2016 16:31:43 MF-TT-D1230-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

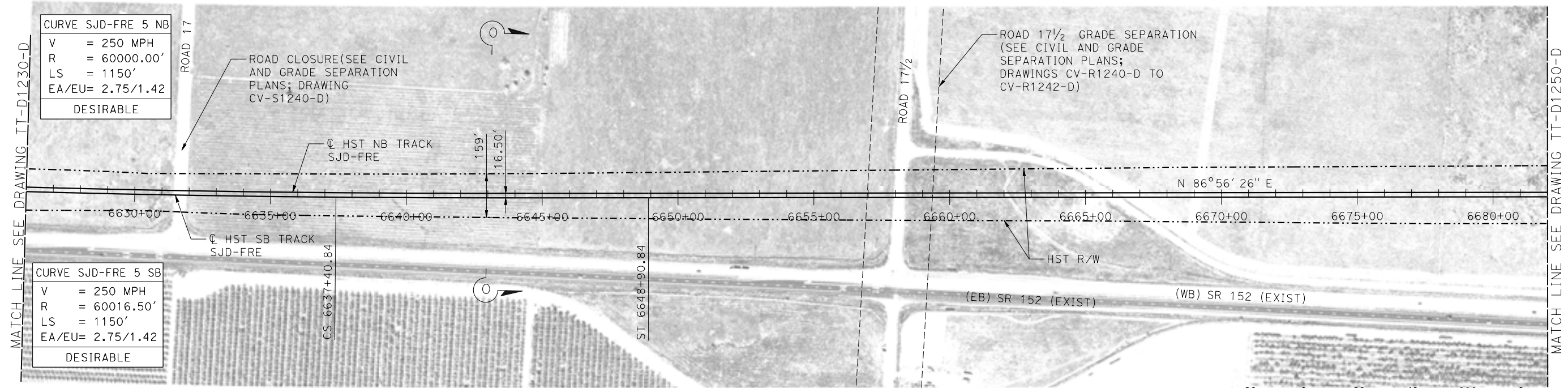
NOT FOR
CONSTRUCTION



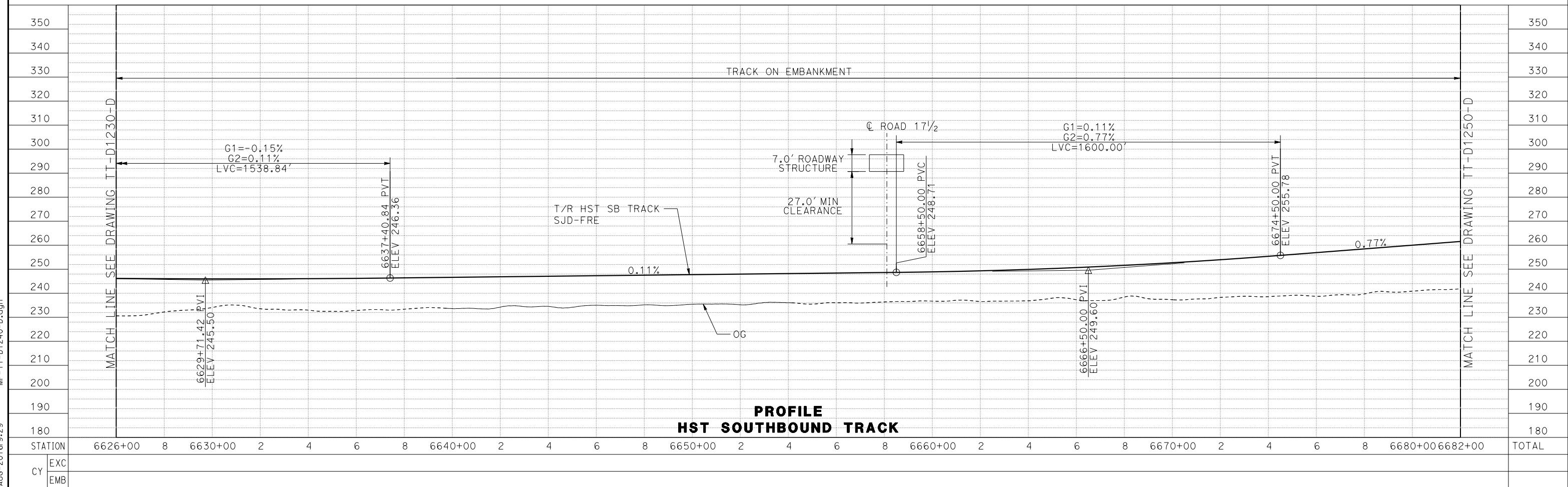
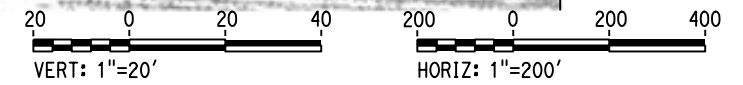
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

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

MADERA COUNTY



PLAN



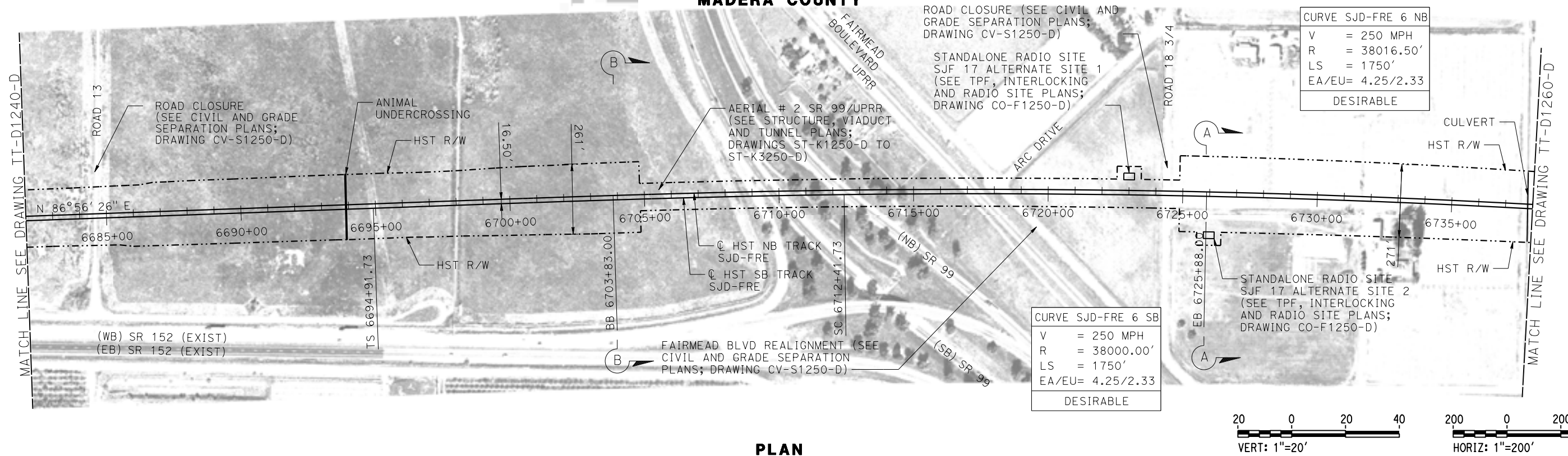
PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

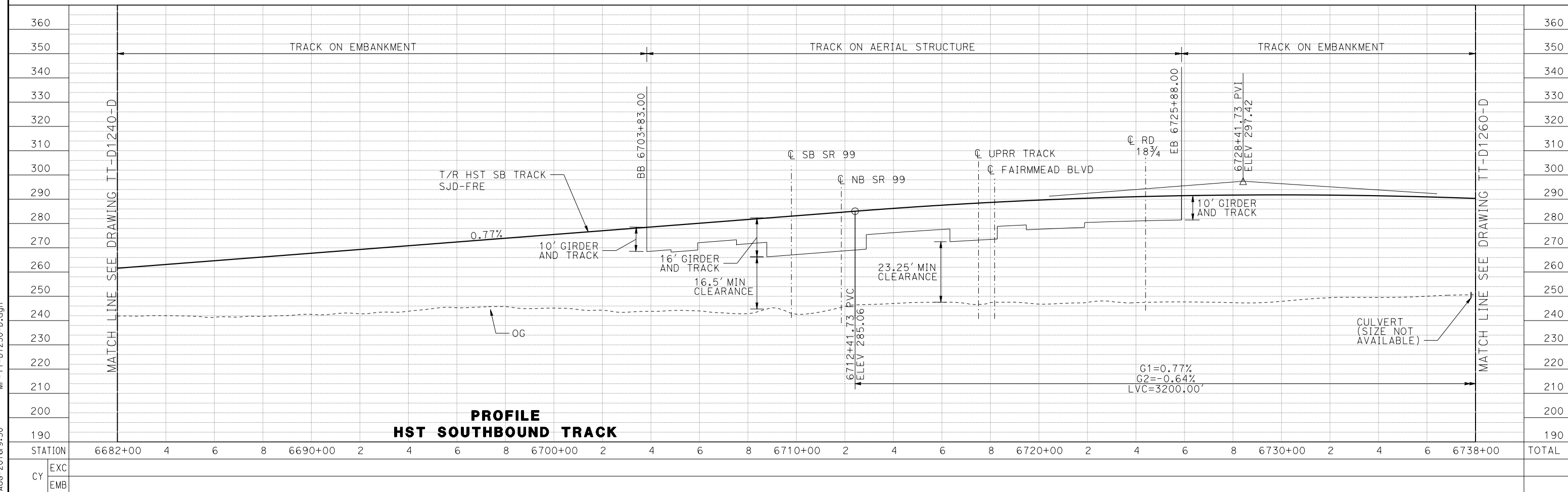
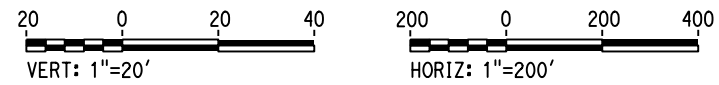
DESIGNED BY J. PEREZ	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6626+00 TO 6682+00	CONTRACT NO. HSR08-05
DRAWN BY J. MARTINE						DRAWING NO. TT-D1240-D
CHECKED BY N. OUM						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 08/12/2016						

15-AUG-2016 9:29 MF-TT-D1240-D.dgn P0066533

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

STATION	6682+00	4	6	8	6690+00	2	4	6	8	6700+00	2	4	6	8	6710+00	2	4	6	8	6720+00	2	4	6	8	6730+00	2	4	6	6738+00	TOTAL
EXC																														
EMB																														

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**



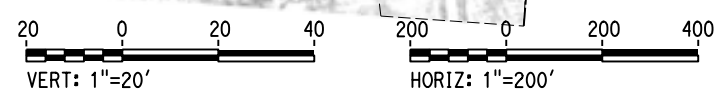
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6682+00 TO 6738+00

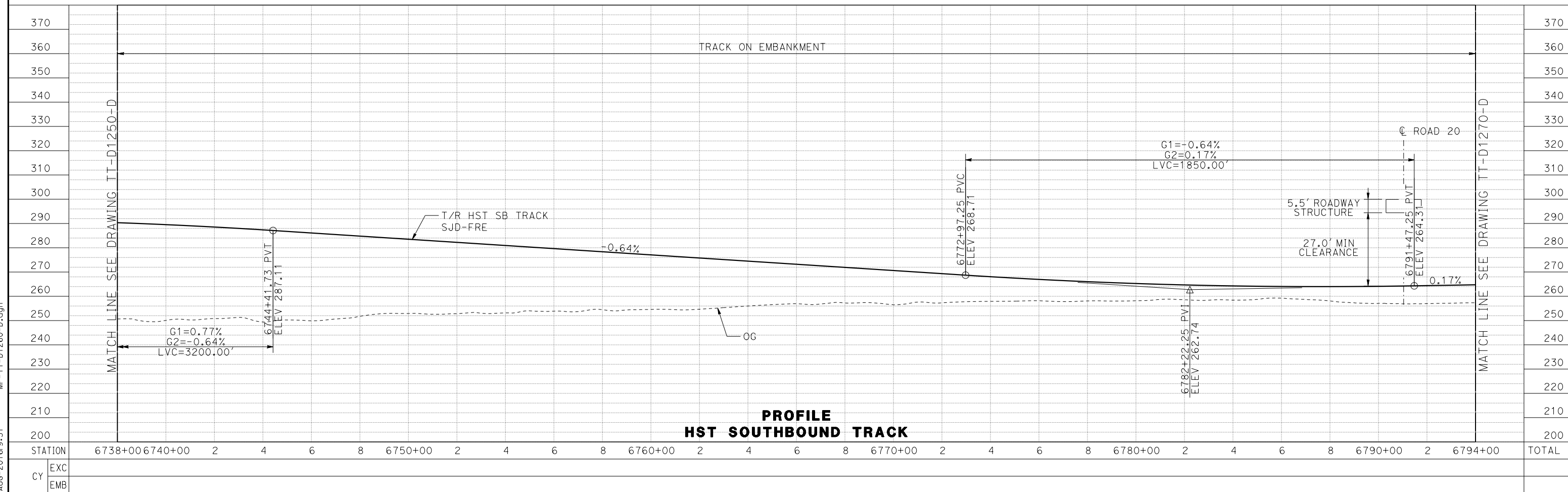
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1250-D
SCALE	AS SHOWN
SHEET NO.	

15-AUG-2016 9:30 MF-TT-D1250-D.dgn

FAIRMEAD, MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

15-AUG-2016 9:31 MF-TT-D1260-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 6738+00 TO 6794+00

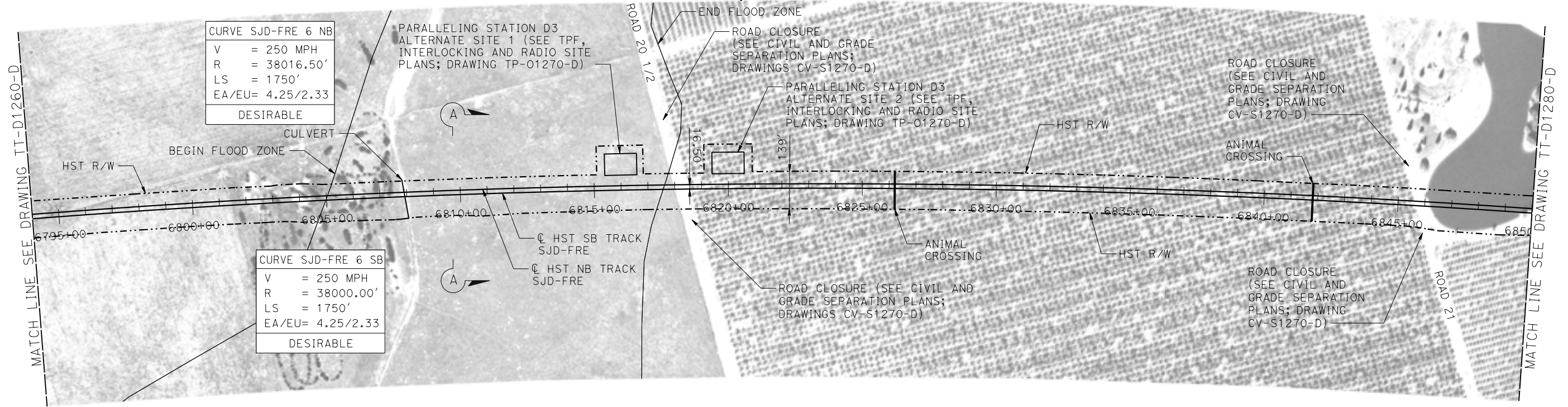
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1260-D

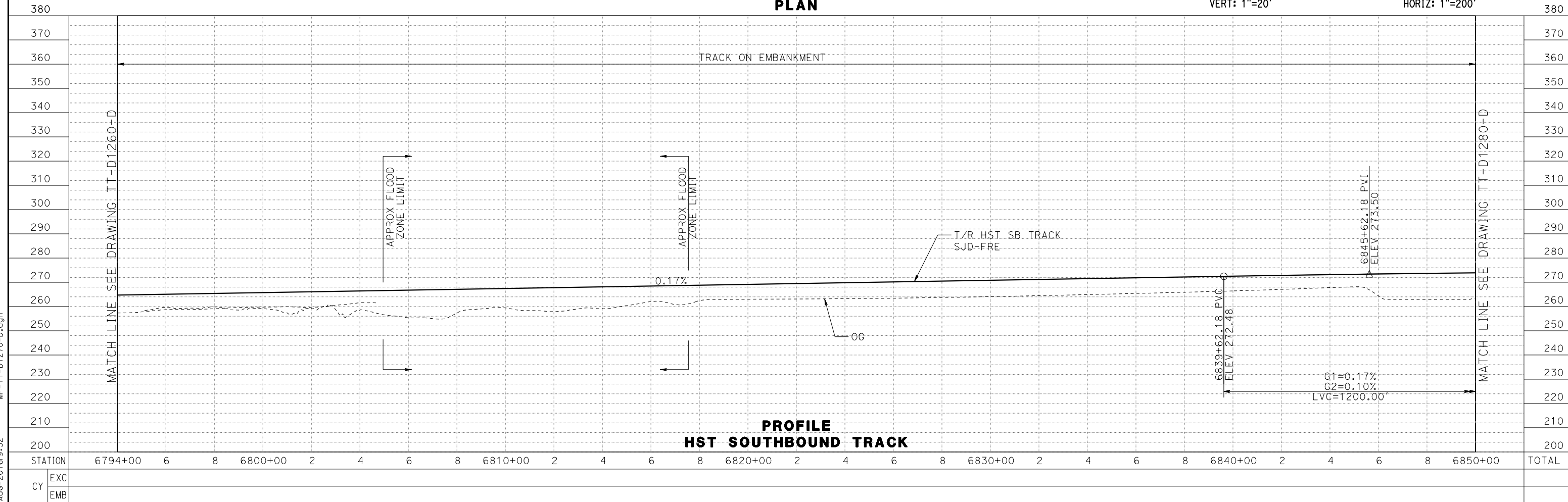
SCALE
AS SHOWN

SHEET NO.

FAIRMEAD, MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

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 6794+00 TO 6850+00

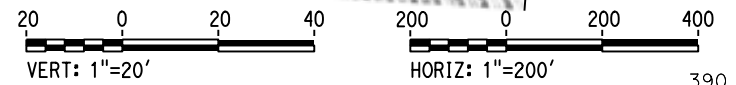
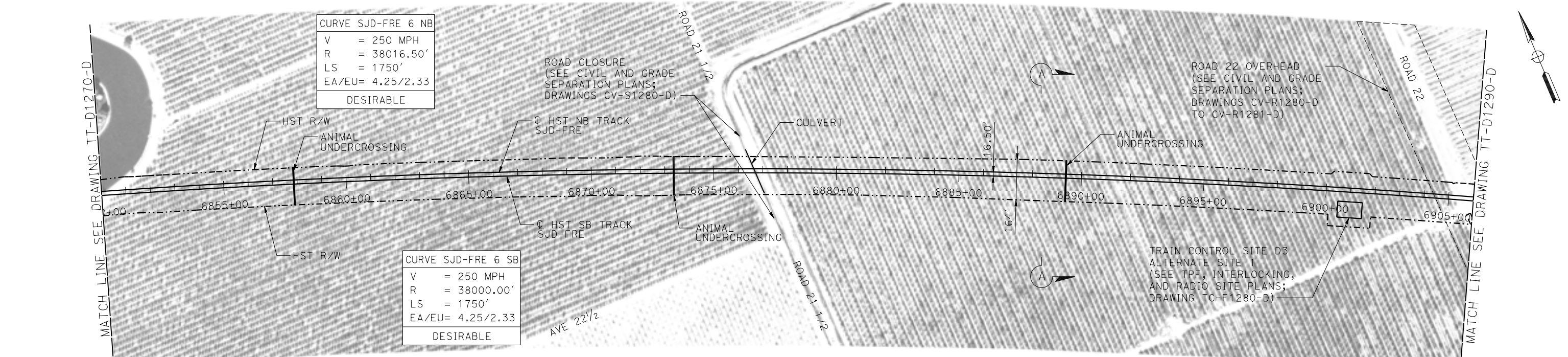
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1270-D
SCALE
AS SHOWN
SHEET NO.

15-AUG-2016 9:32 MF-TT-D1270-D.dgn

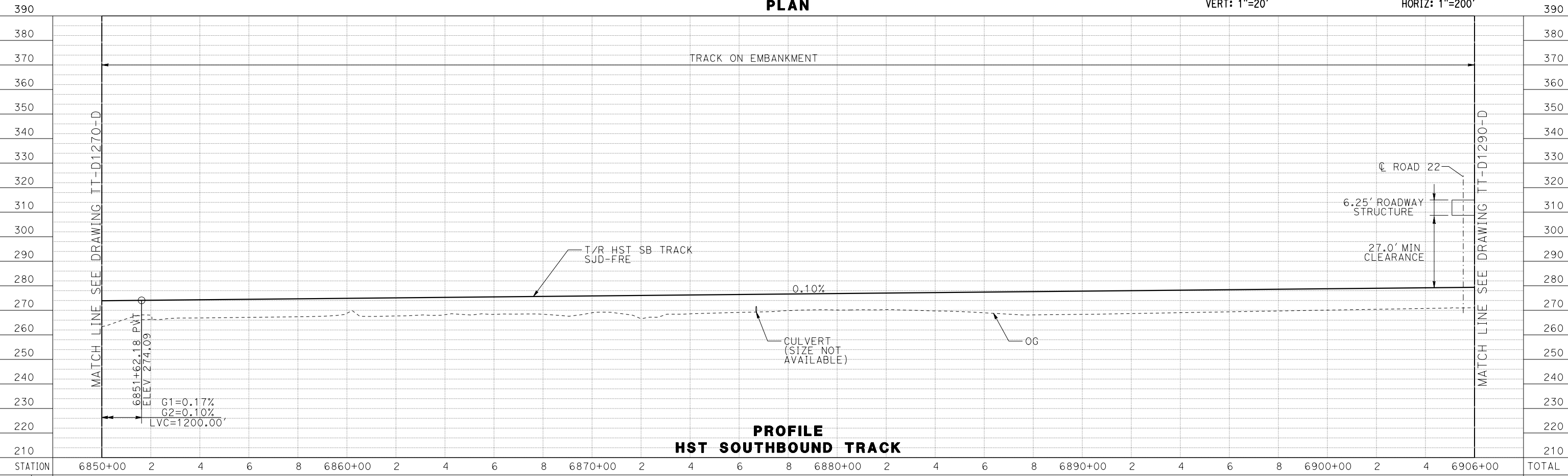
MADERA COUNTY

CURVE SJD-FRE 6 NB
 V = 250 MPH
 R = 38016.50'
 LS = 1750'
 EA/EU= 4.25/2.33
 DESIRABLE

CURVE SJD-FRE 6 SB
 V = 250 MPH
 R = 38000.00'
 LS = 1750'
 EA/EU= 4.25/2.33
 DESIRABLE



PLAN



PROFILE
 HST SOUTHBOUND TRACK

STATION	6850+00	2	4	6	8	6860+00	2	4	6	8	6870+00	2	4	6	8	6880+00	2	4	6	8	6890+00	2	4	6	8	6900+00	2	4	6906+00	TOTAL
EXC																														
EMB																														

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

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

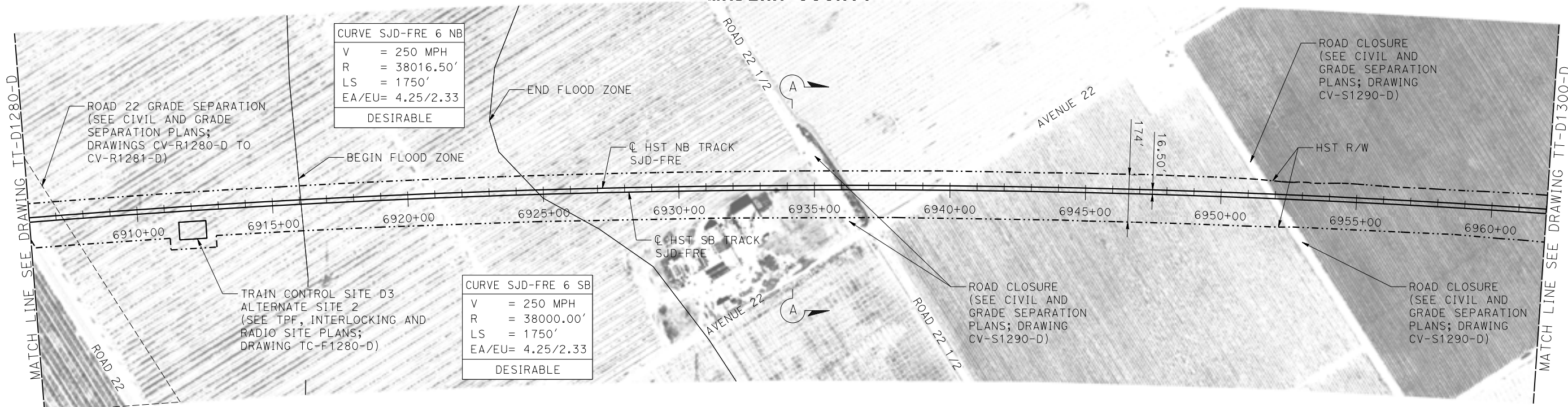
NOT FOR
CONSTRUCTION



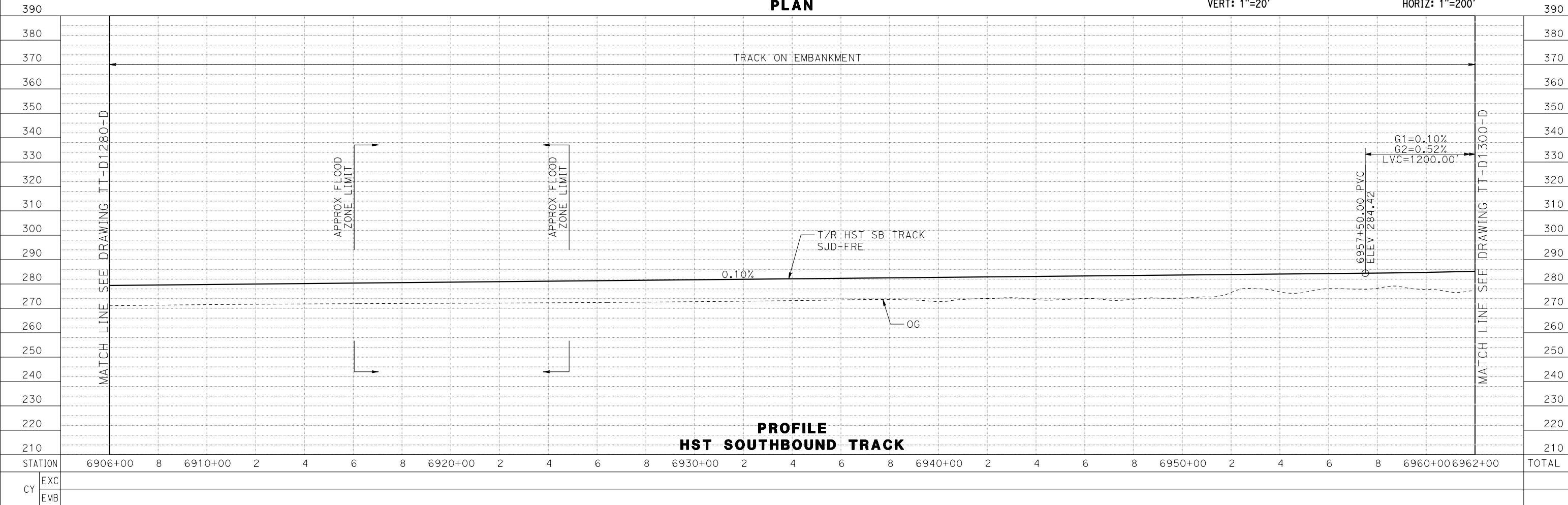
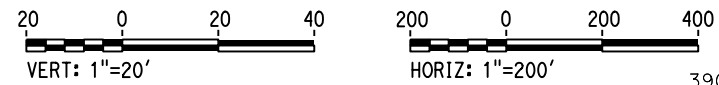
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 6850+00 TO 6906+00

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

MADERA COUNTY



PLAN



15-AUG-2016 9:34 MF-TT-D1290-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 6906+00 TO 6962+00

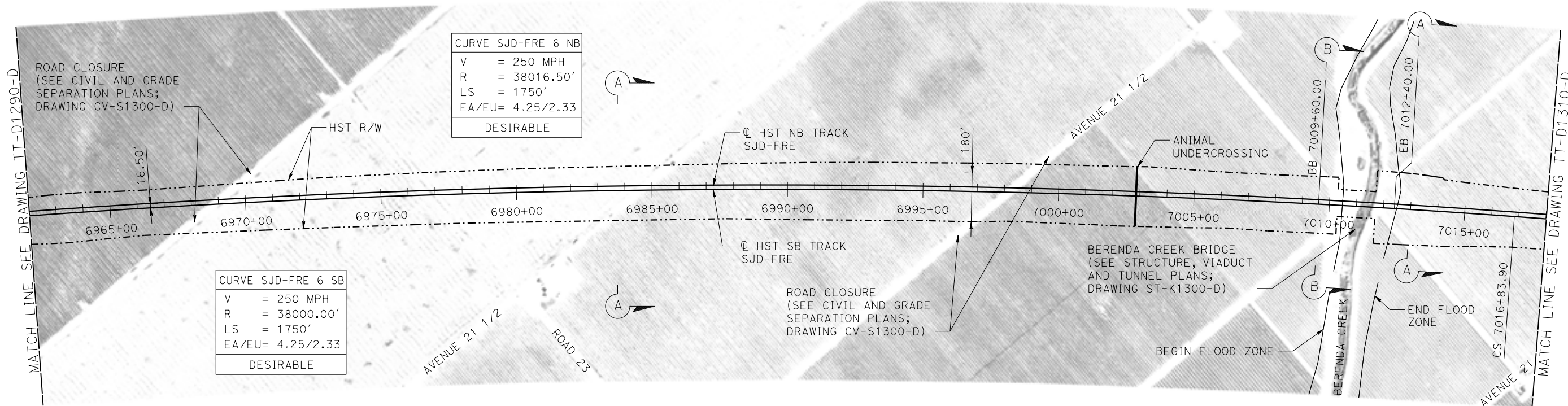
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1290-D

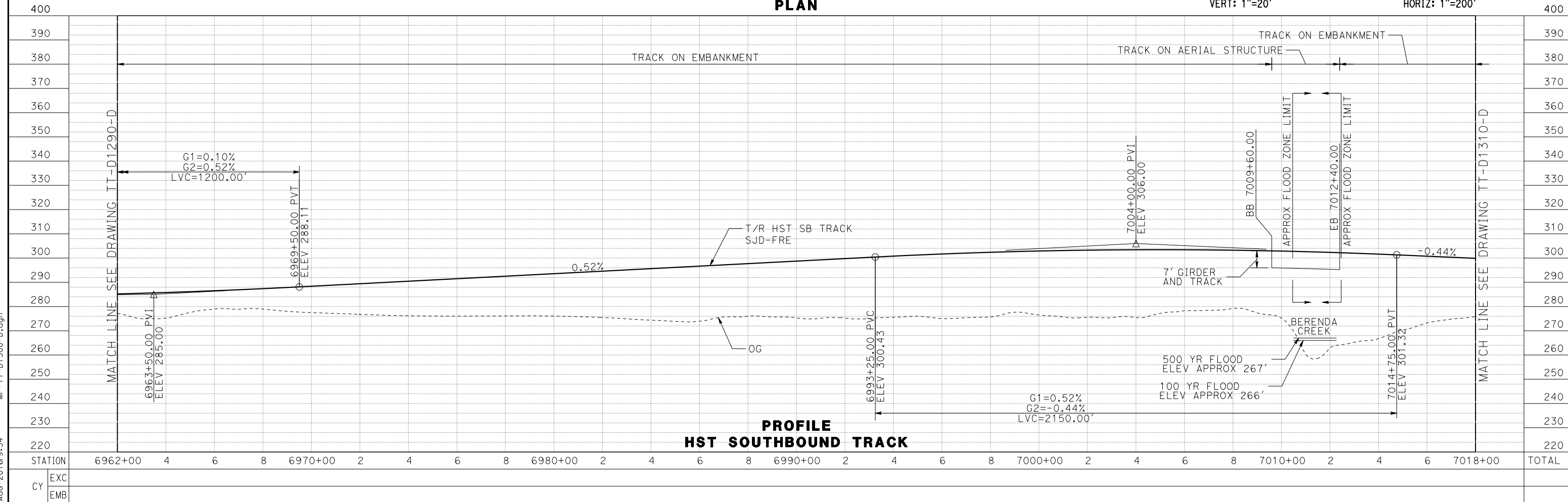
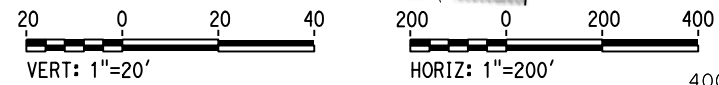
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

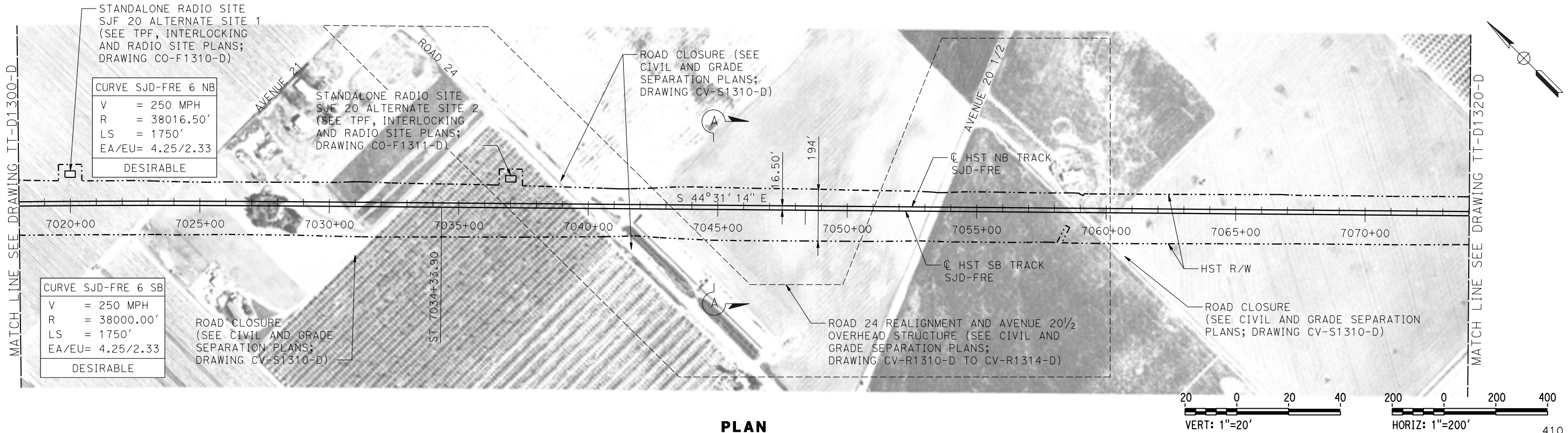


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6962+00 TO 7018+00

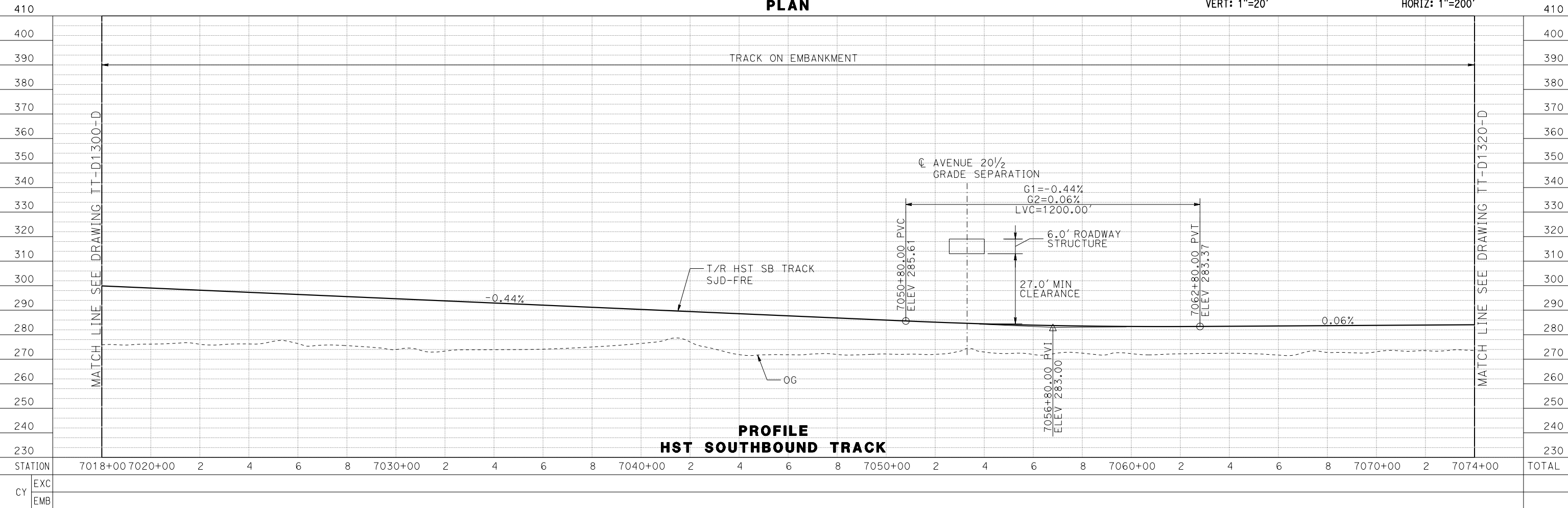
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1300-D
SCALE
AS SHOWN
SHEET NO.

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

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

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 7018+00 TO 7074+00

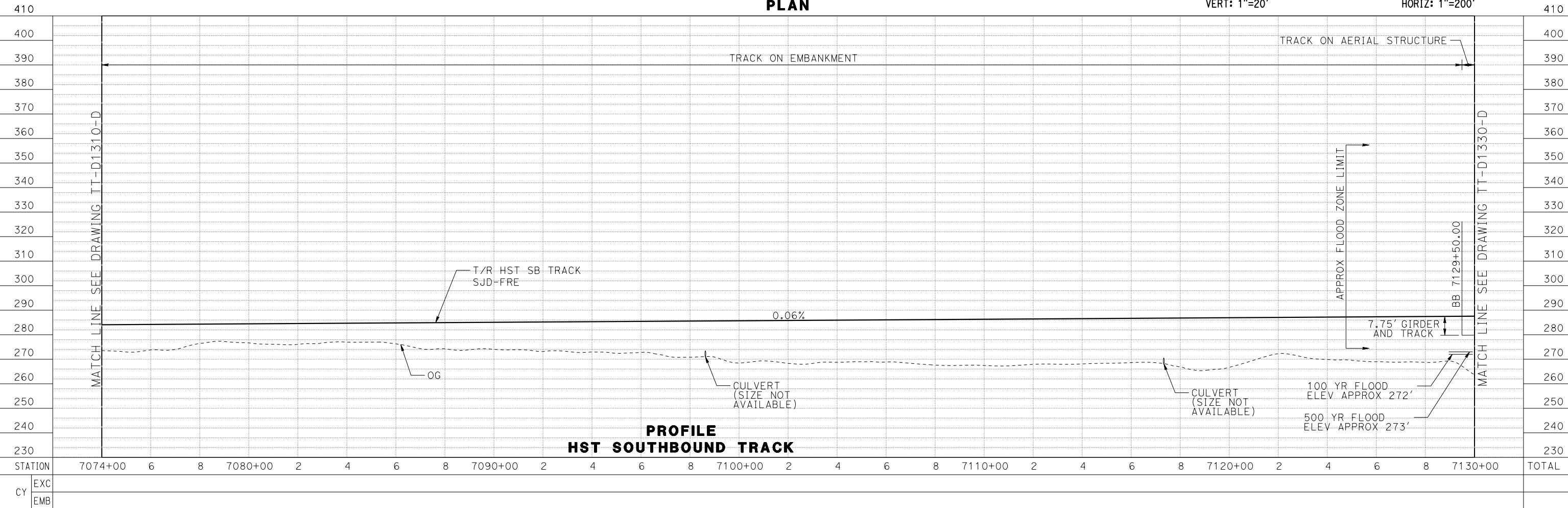
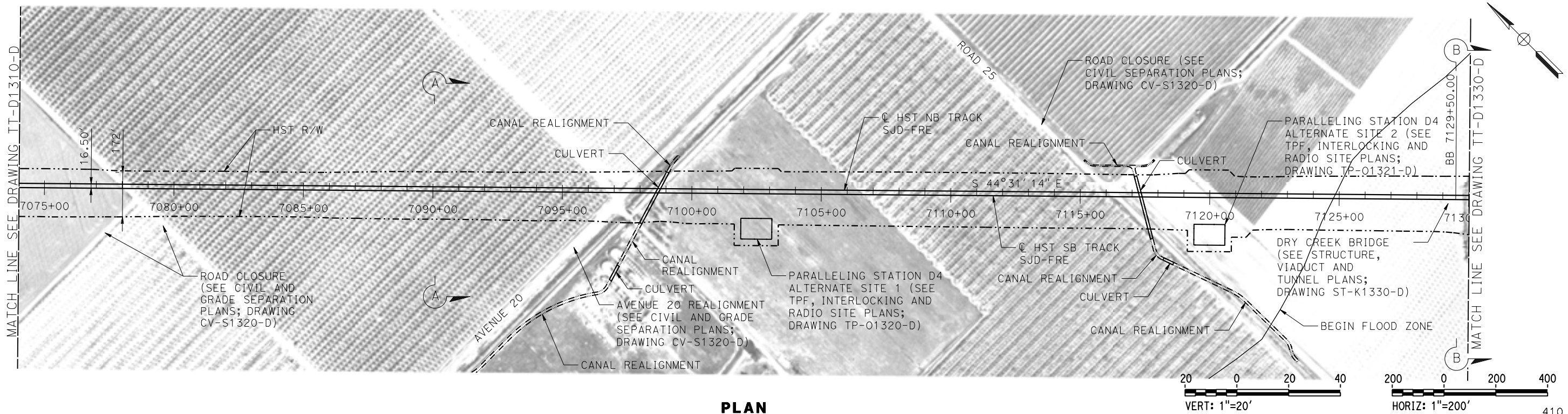
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1310-D

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



15-AUG-2016 9:36 MF-TT-D1320-D.dgn

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

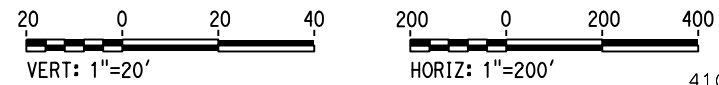
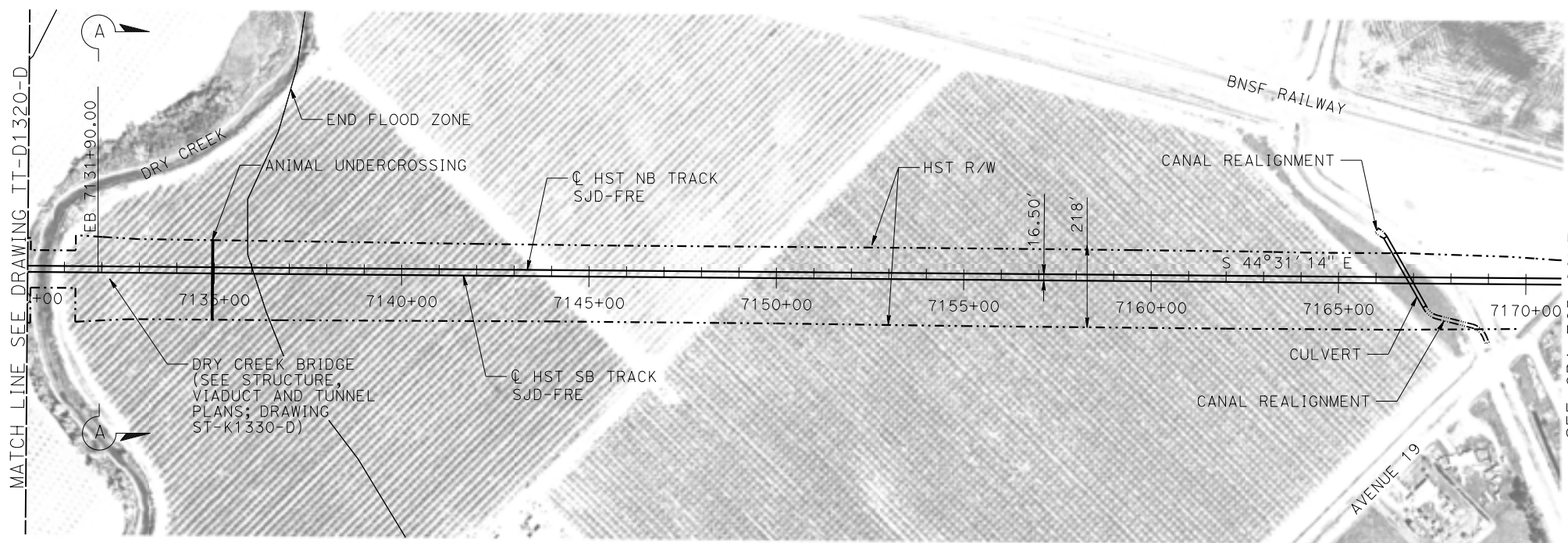
NOT FOR
CONSTRUCTION



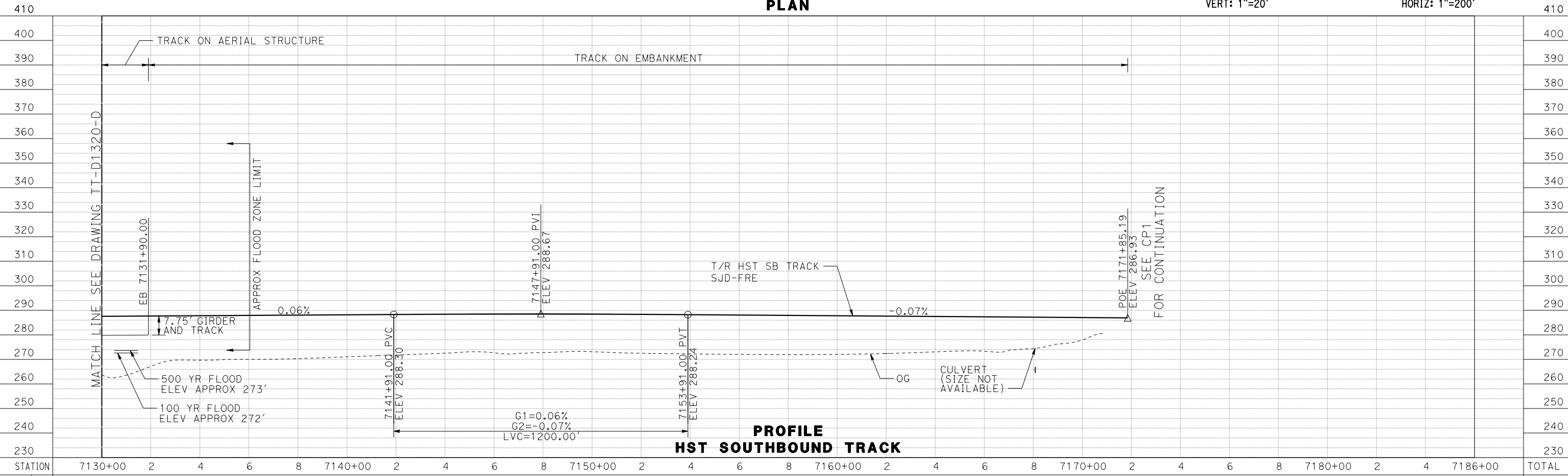
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7074+00 TO 7130+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

STATION	7130+00	2	4	6	8	7140+00	2	4	6	8	7150+00	2	4	6	8	7160+00	2	4	6	8	7170+00	2	4	6	8	7180+00	2	4	7186+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

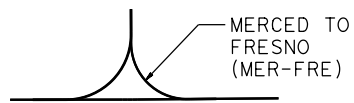
NOT FOR
CONSTRUCTION



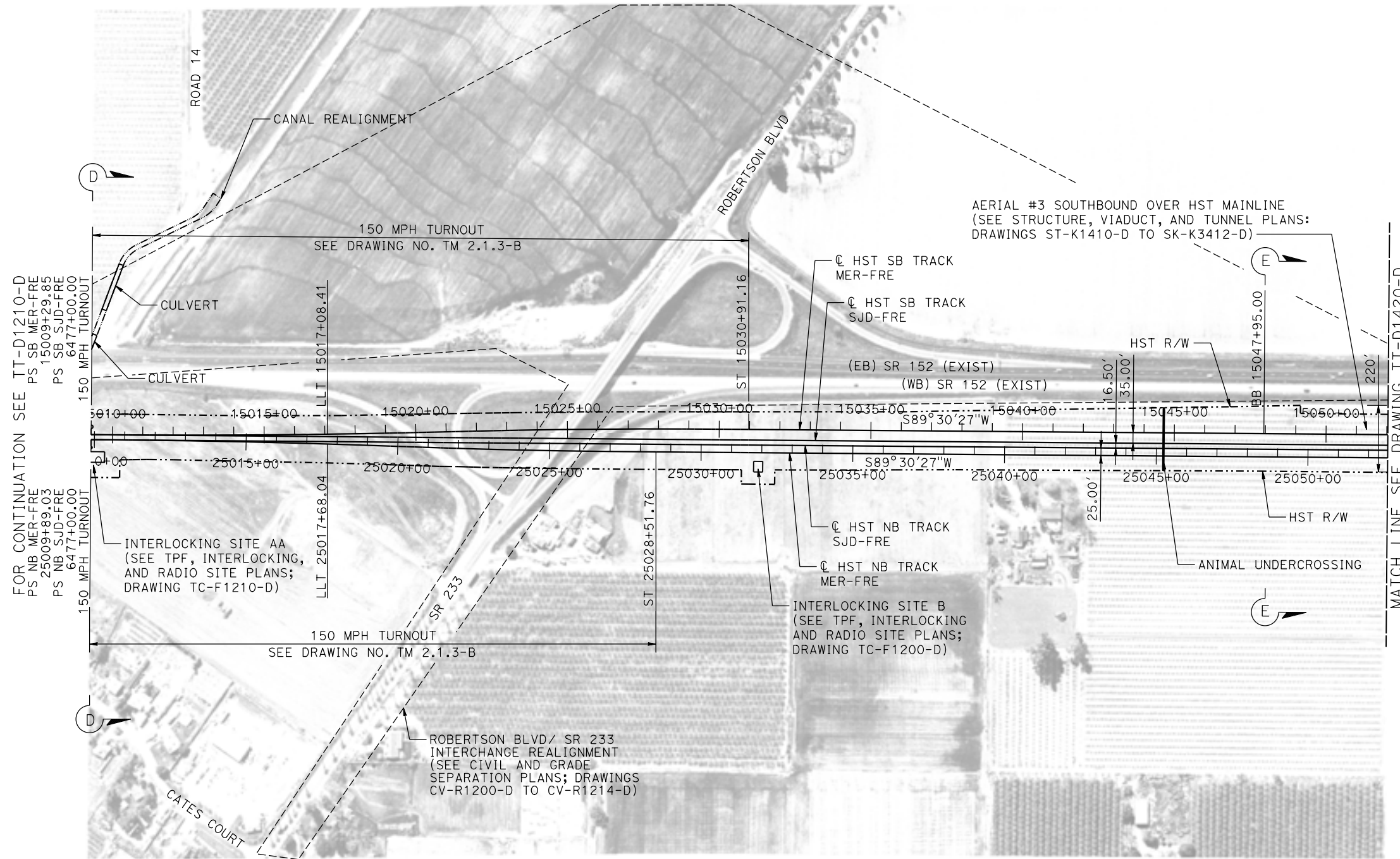
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7130+00 TO 7171+85.19

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

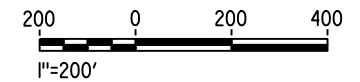
WYE CONNECTIONS SCHEMATIC



MADERA COUNTY



PLAN



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
SUBMITTAL

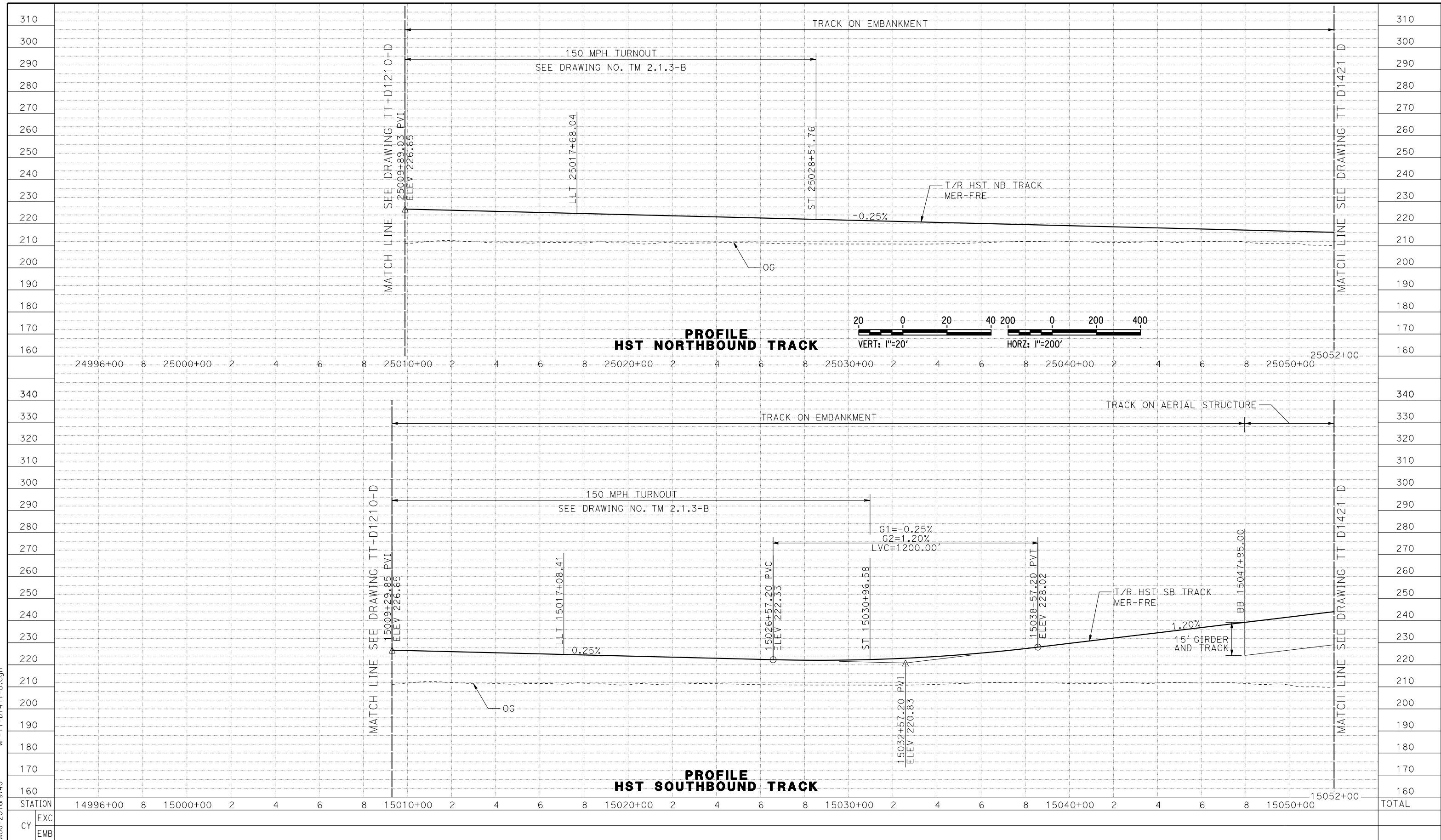
NOT FOR
CONSTRUCTION



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 15009+29.85 TO 15052+00

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

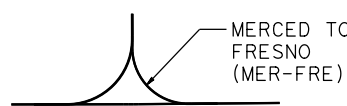
15-AUG-2016 9:40 MF-TT-D1411-D.dgn



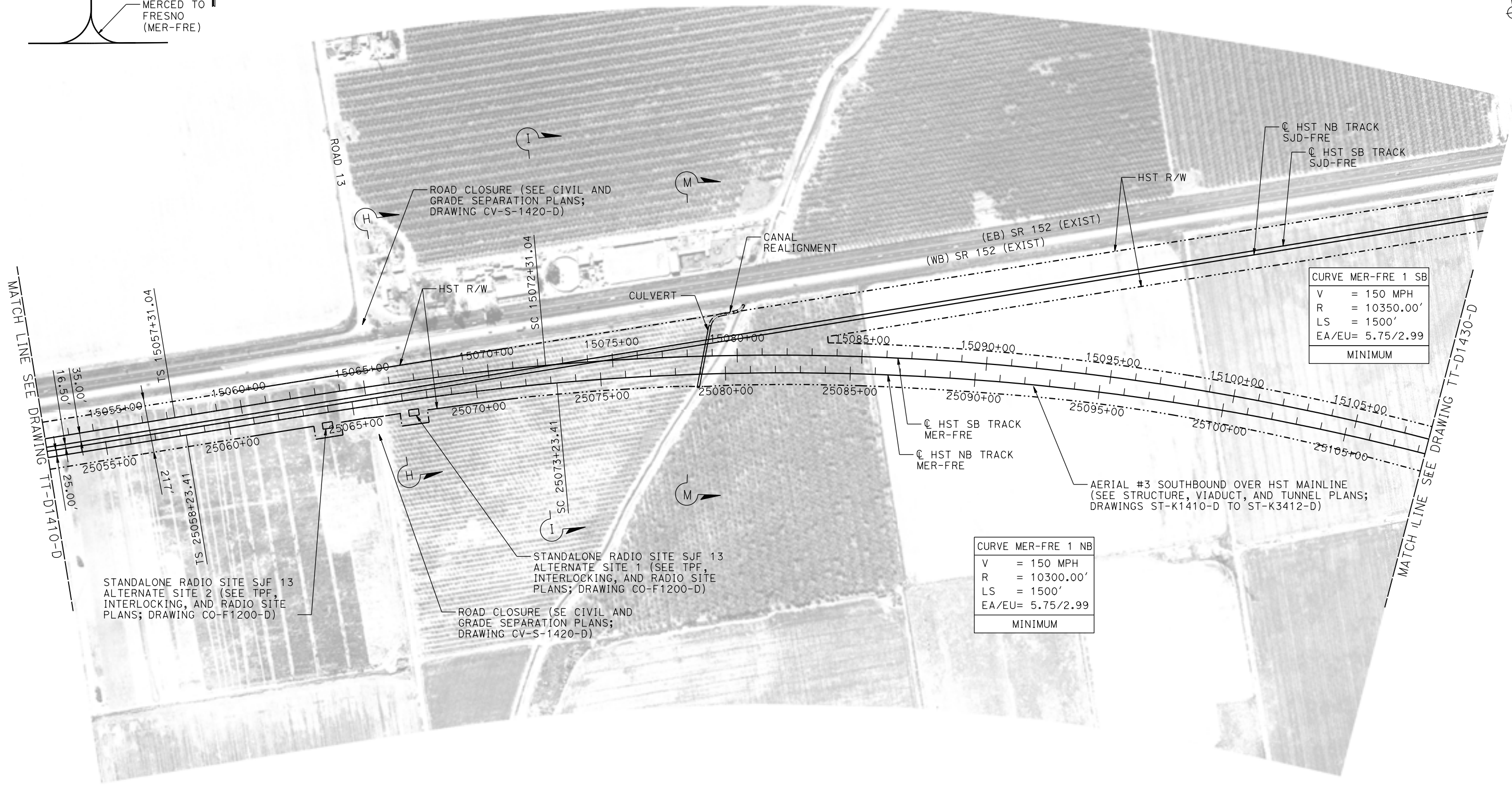
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	EXC																														
	EMB																														

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 PROFILE MER-FRE STA 15009+29.85 TO 15052+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1411-D SCALE AS SHOWN SHEET NO.
--	---	--------------------	--	--	---

WYE CONNECTIONS SCHEMATIC



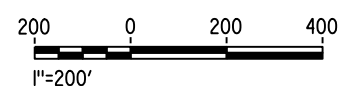
MADERA COUNTY



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

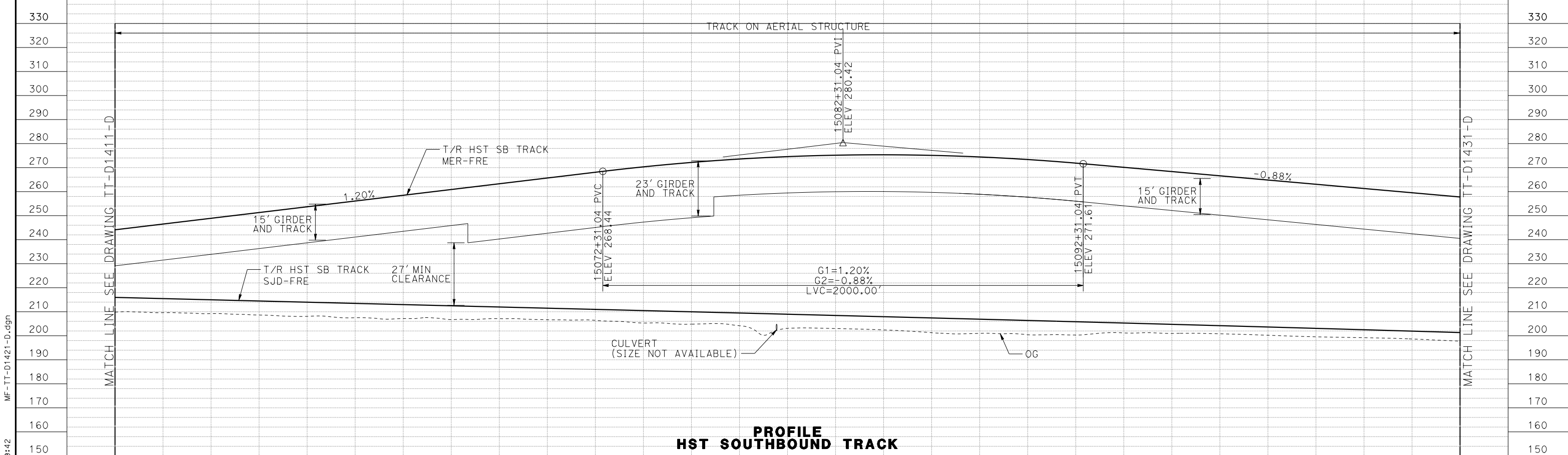
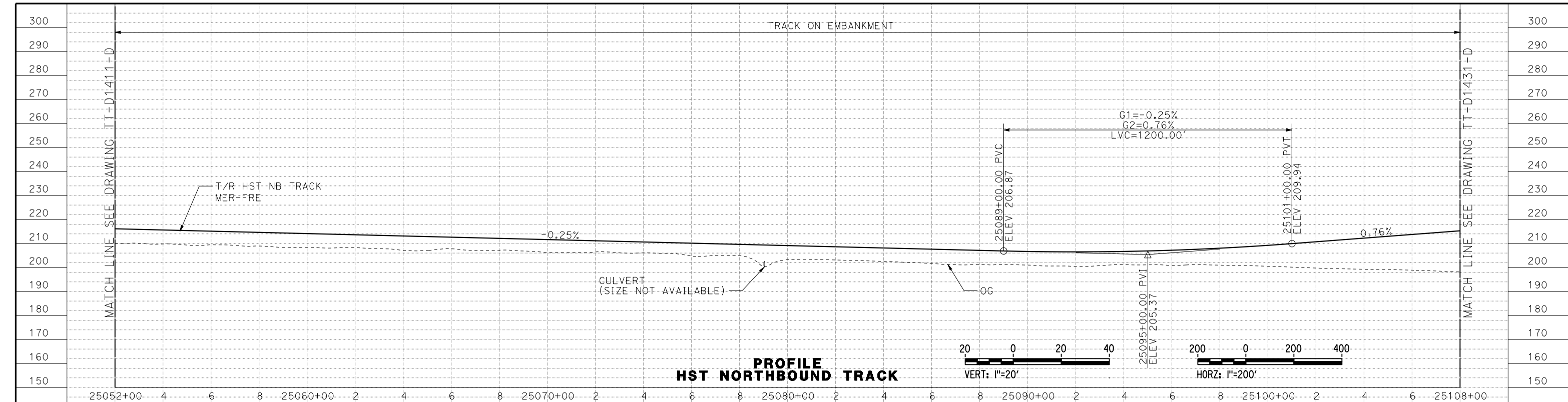
RECORD SET
15% DESIGN
SUBMITTAL

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.

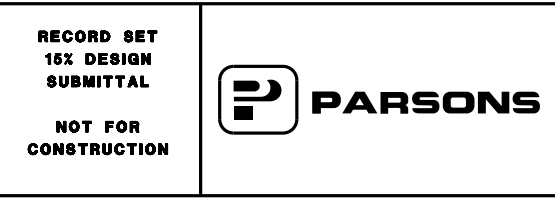


STATION	15052+00	4	6	8	15060+00	2	4	6	8	15070+00	2	4	6	8	15080+00	2	4	6	8	15090+00	2	4	6	8	15100+00	2	4	6	15108+00	TOTAL
EXC																														
EMB																														

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



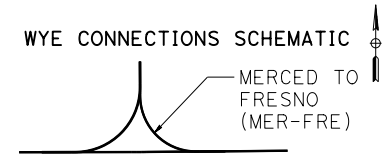
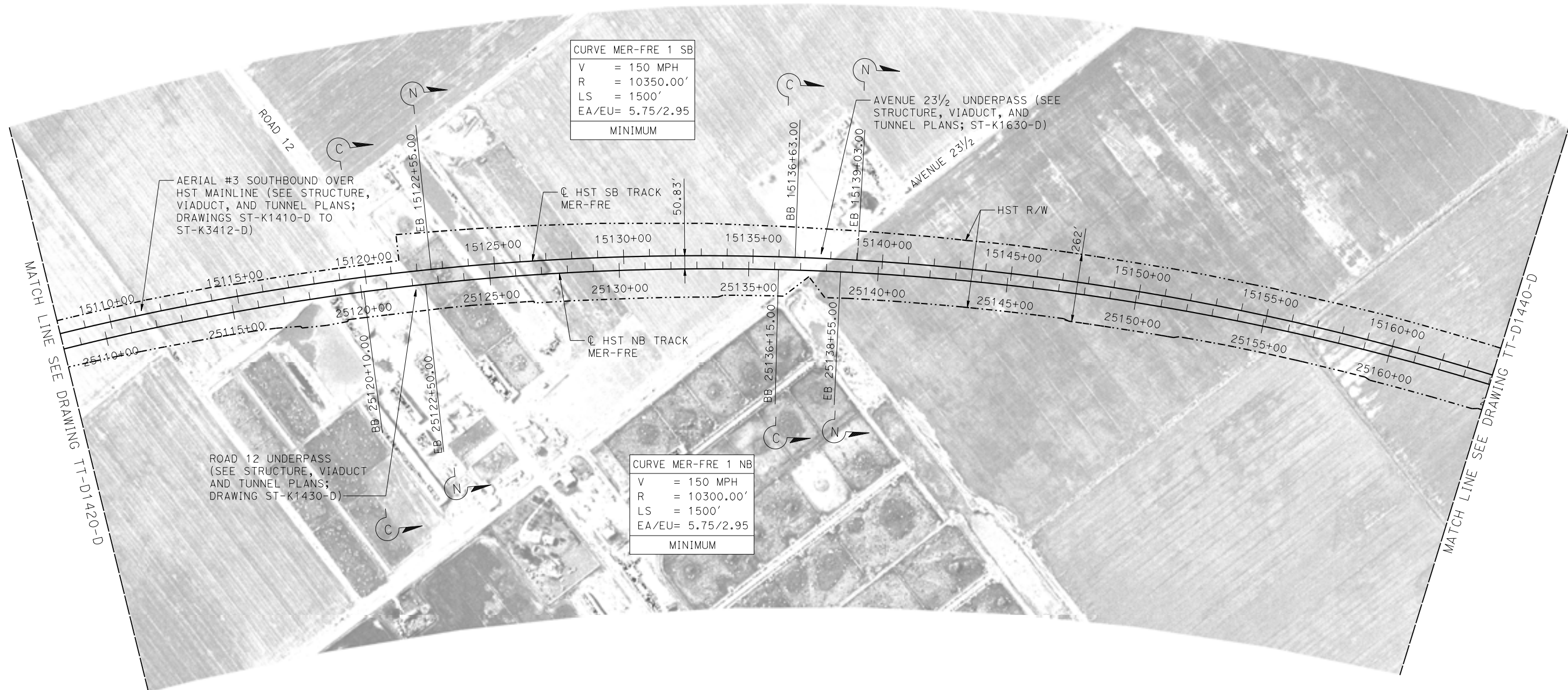
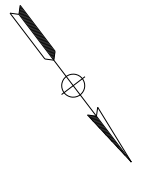
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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.	

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

MADERA COUNTY



PLAN

08-SEP-2016 3:45 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

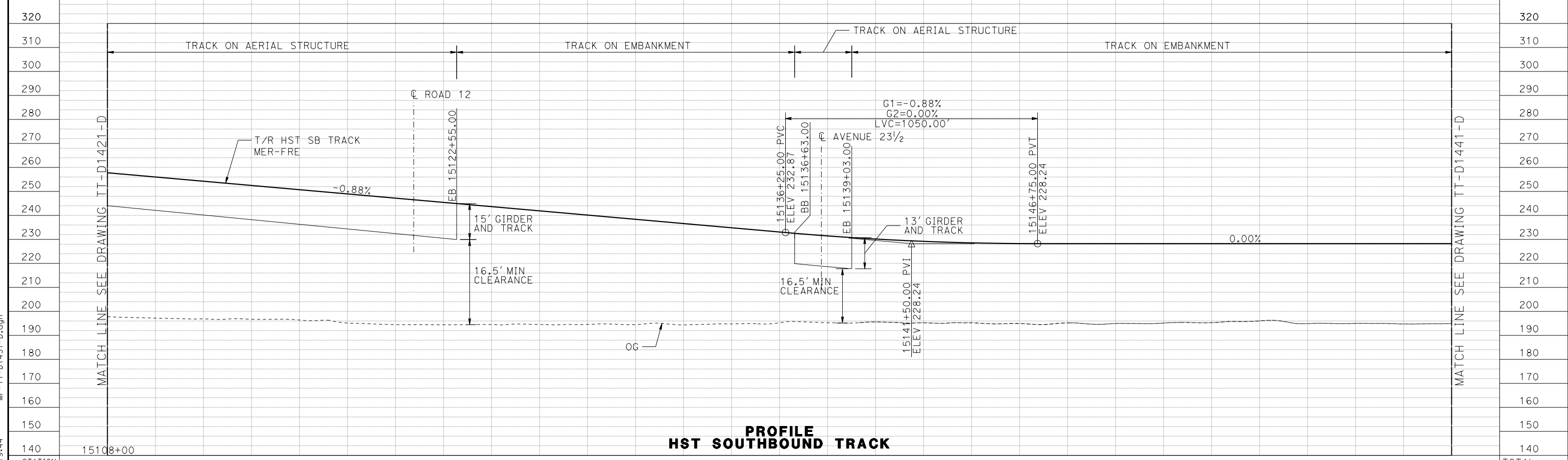
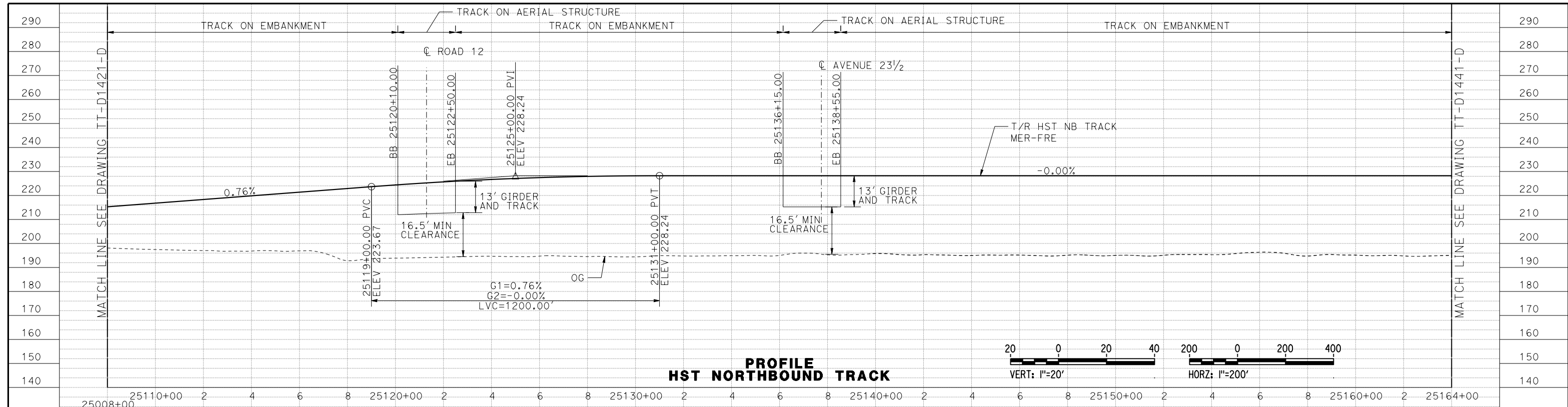
NOT FOR
CONSTRUCTION



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



STATION	15110+00	2	4	6	8	15120+00	2	4	6	8	15130+00	2	4	6	8	15140+00	2	4	6	8	15150+00	2	4	6	8	15160+00	2	15164+00	TOTAL	
EXC																														
EMB																														

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

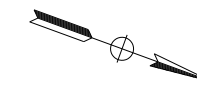
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1431-D

SCALE
AS SHOWN

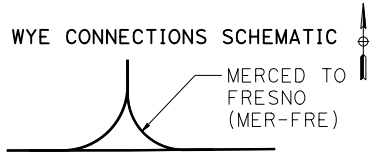
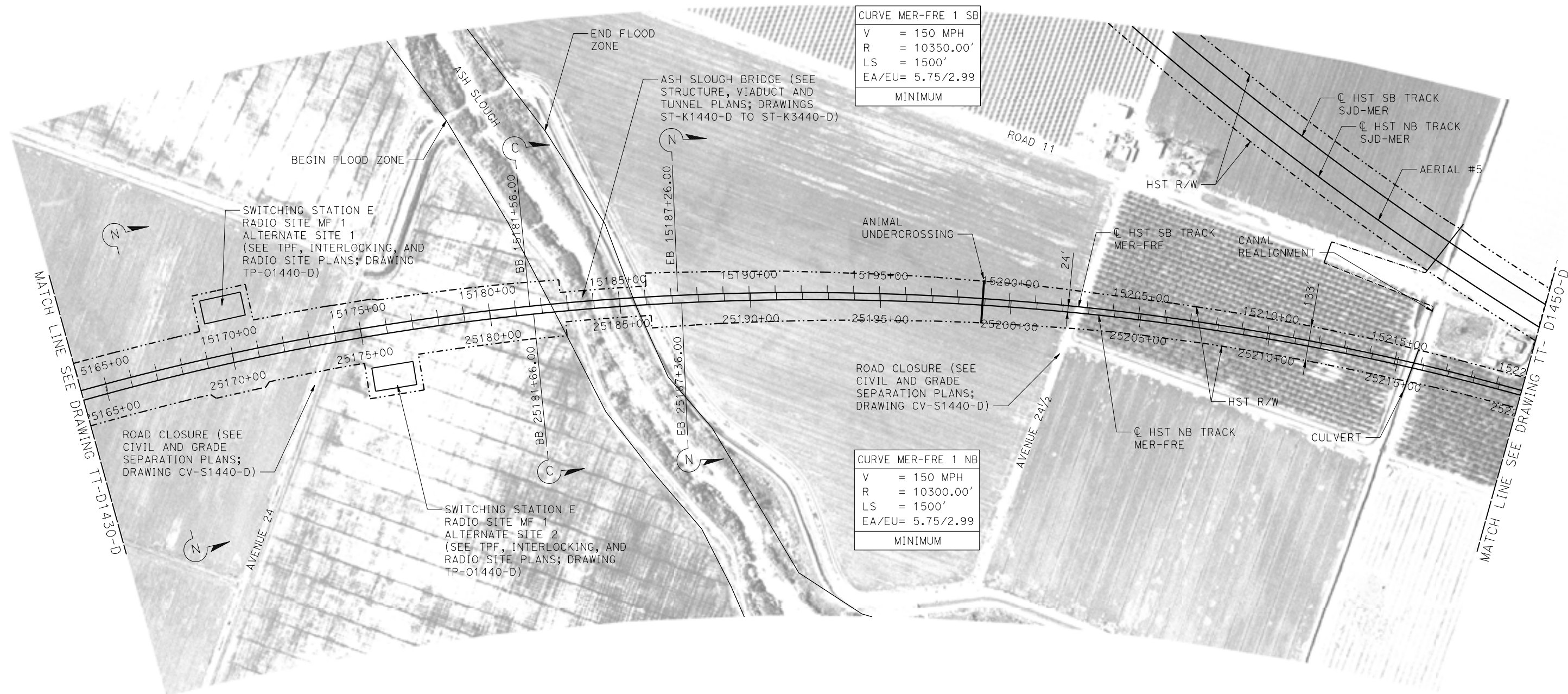
SHEET NO.

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



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

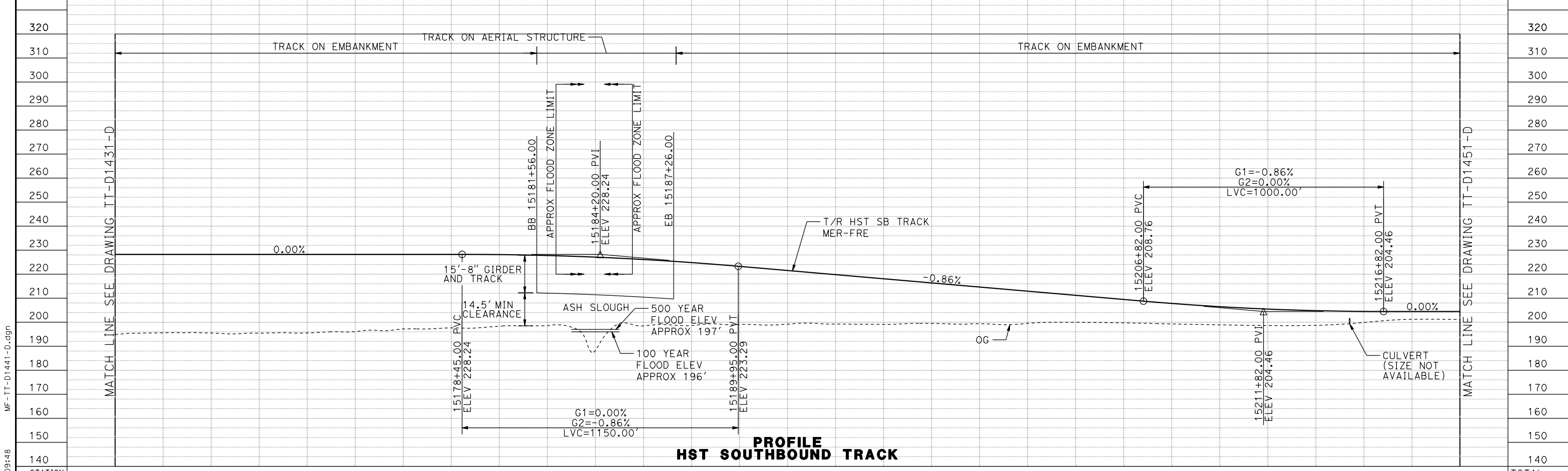
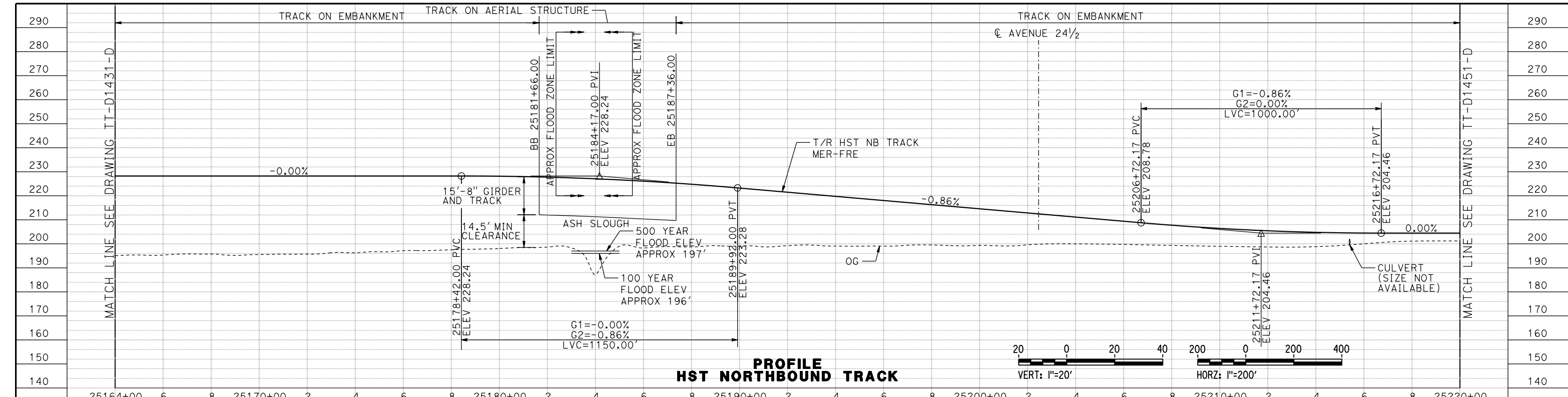
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1440-D

SCALE
AS SHOWN

SHEET NO.

16-AUG-2016 09:48 MF-TT-D1441-D.dgn



STATION	15164+00	6	8	15170+00	2	4	6	8	15180+00	2	4	6	8	15190+00	2	4	6	8	15200+00	2	4	6	8	15210+00	2	4	6	8	15220+00	TOTAL
EXC																														
EMB																														

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

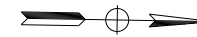
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



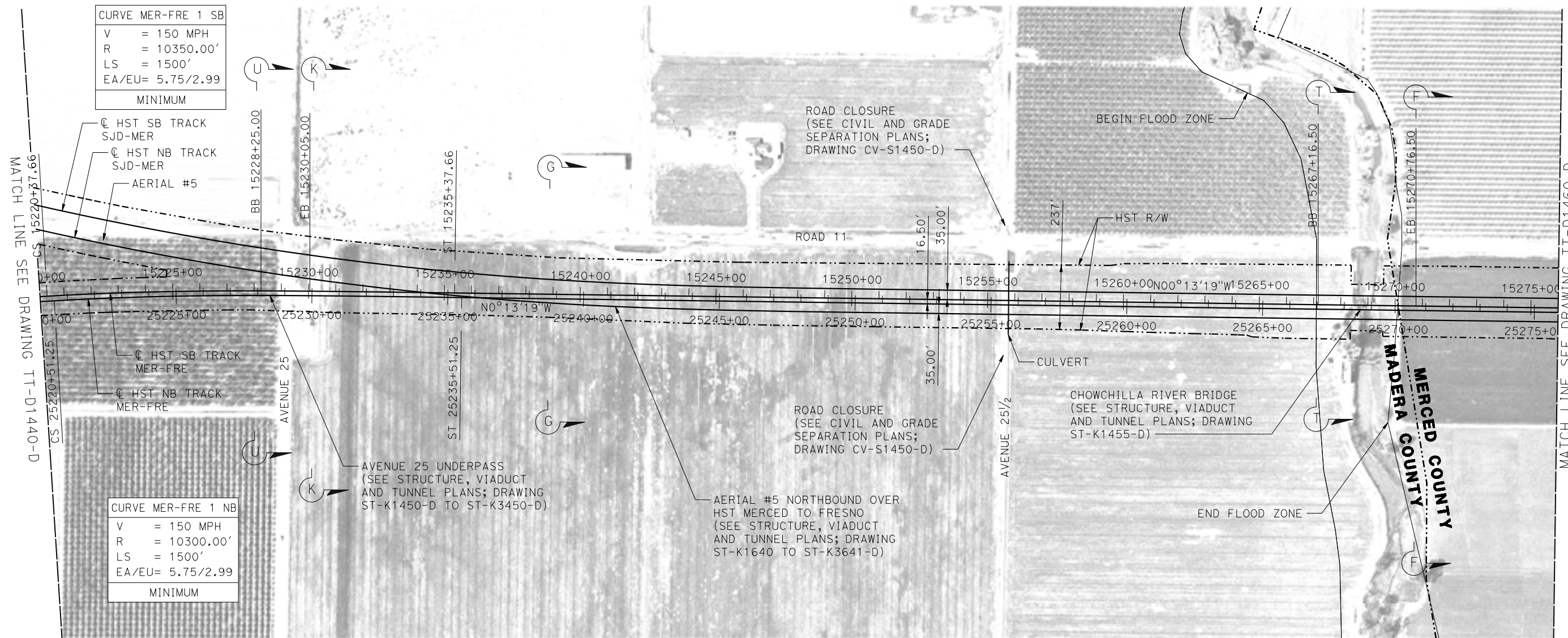
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15164+00 TO 15220+00

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



MADERA COUNTY

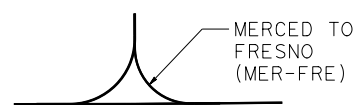
MERCED COUNTY



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	

WYE CONNECTIONS SCHEMATIC



PLAN

15-AUG-2016 9:45 MF-TT-D1450-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

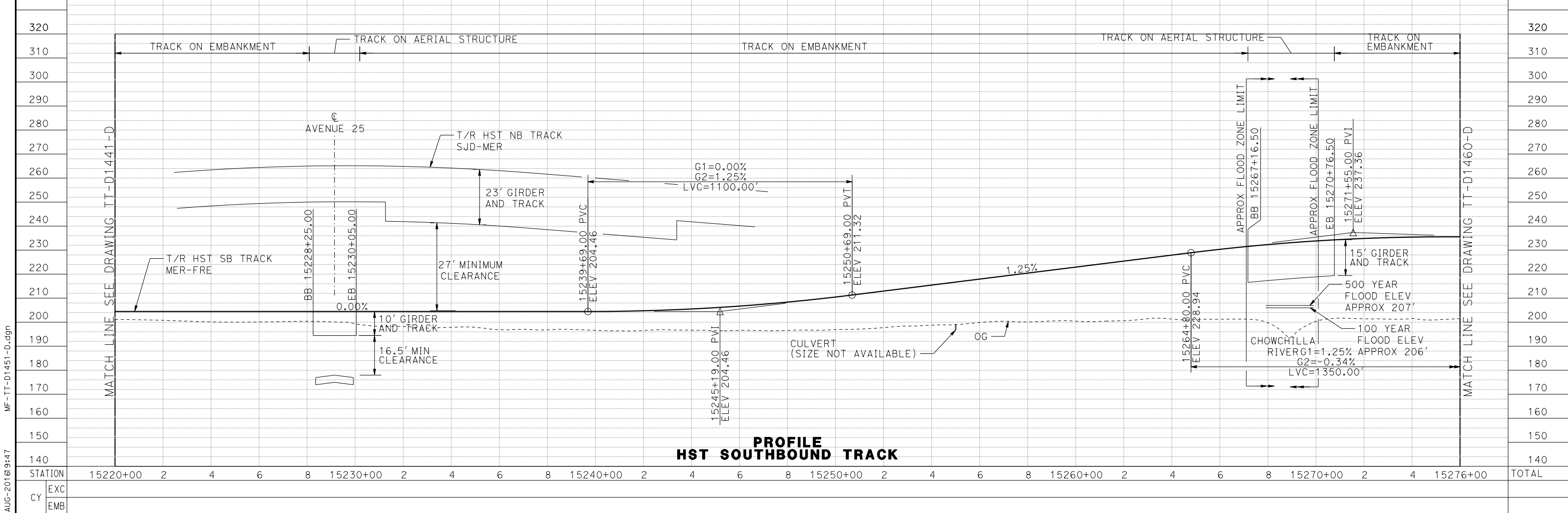
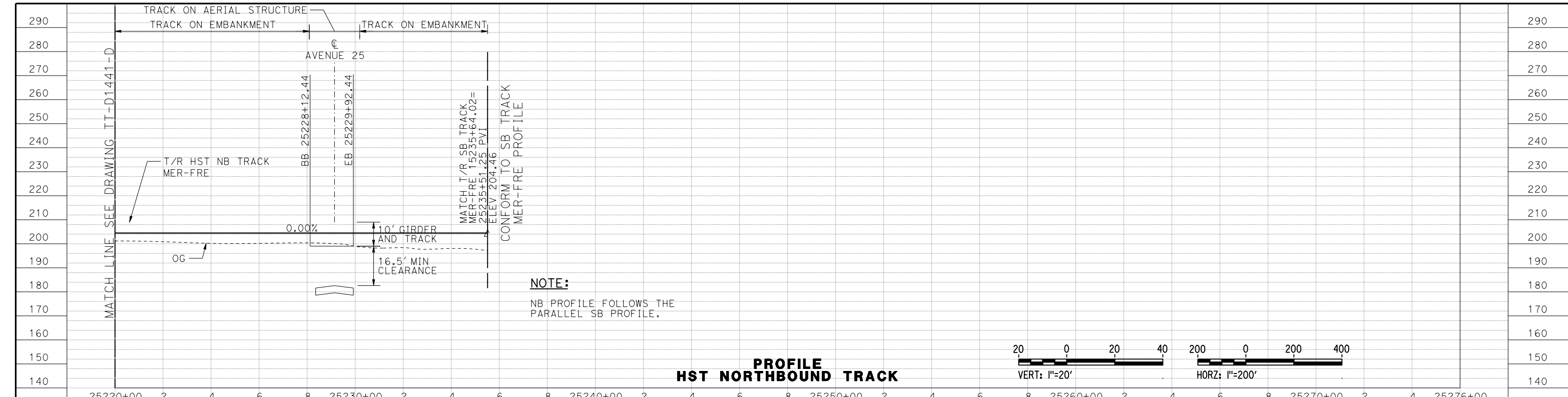
NOT FOR
CONSTRUCTION



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 15220+00 TO 15276+00

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

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

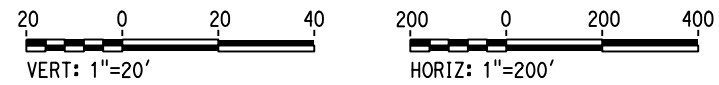
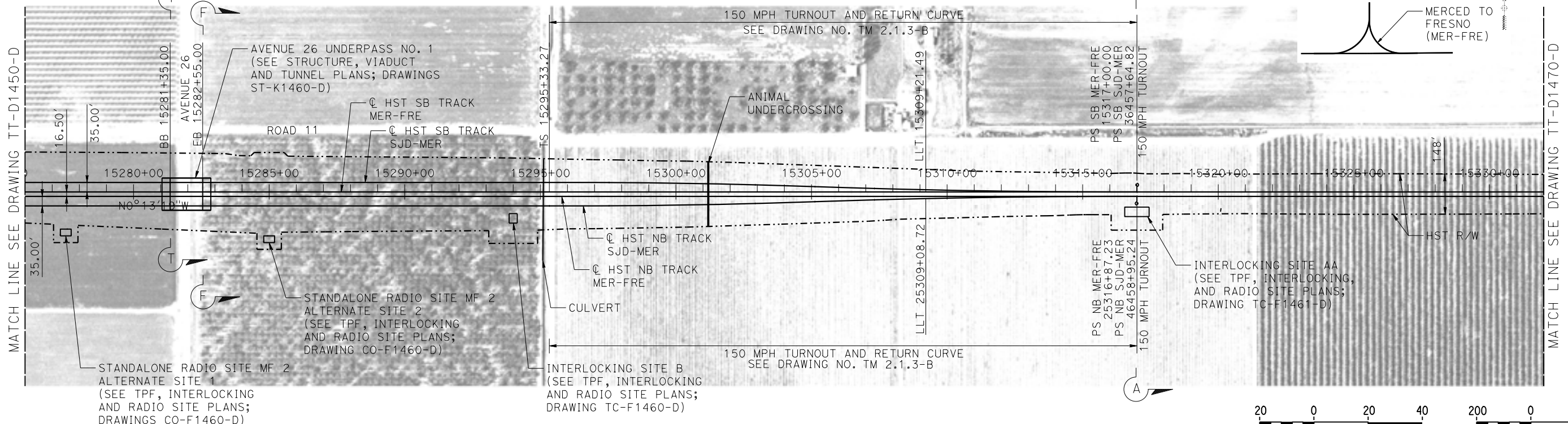
DRAWING NO.
TT-D1451-D

SCALE
AS SHOWN

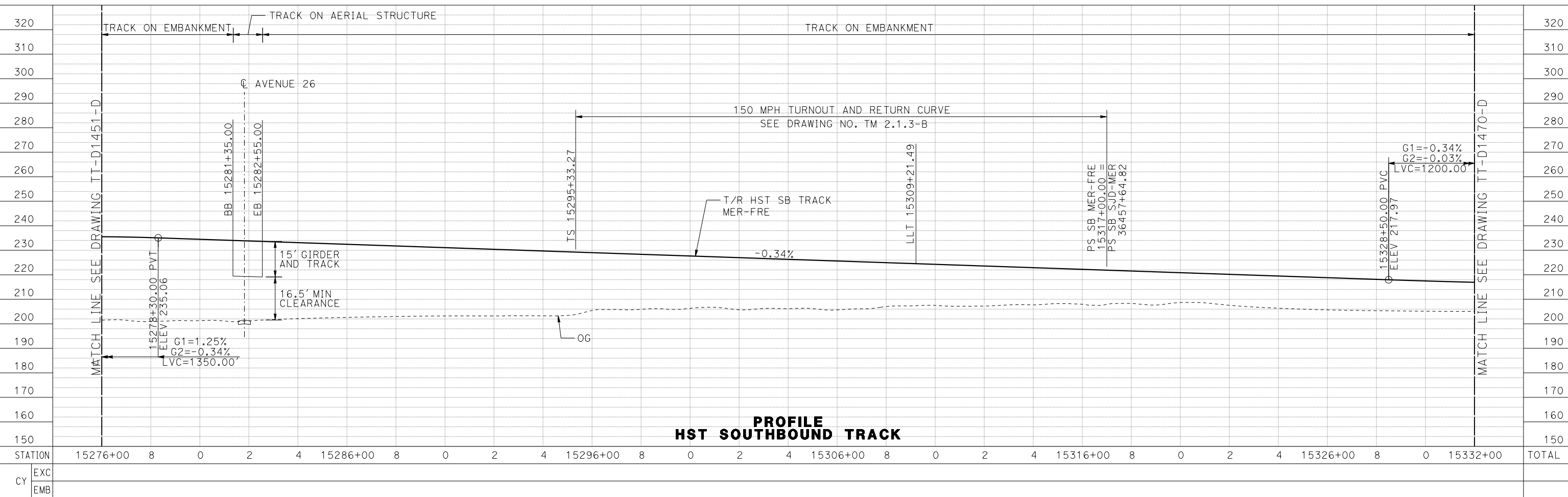
SHEET NO.

MERCED COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE HST SOUTHBOUND TRACK

15-AUG-2016 9:47 MF-TT-D1460-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

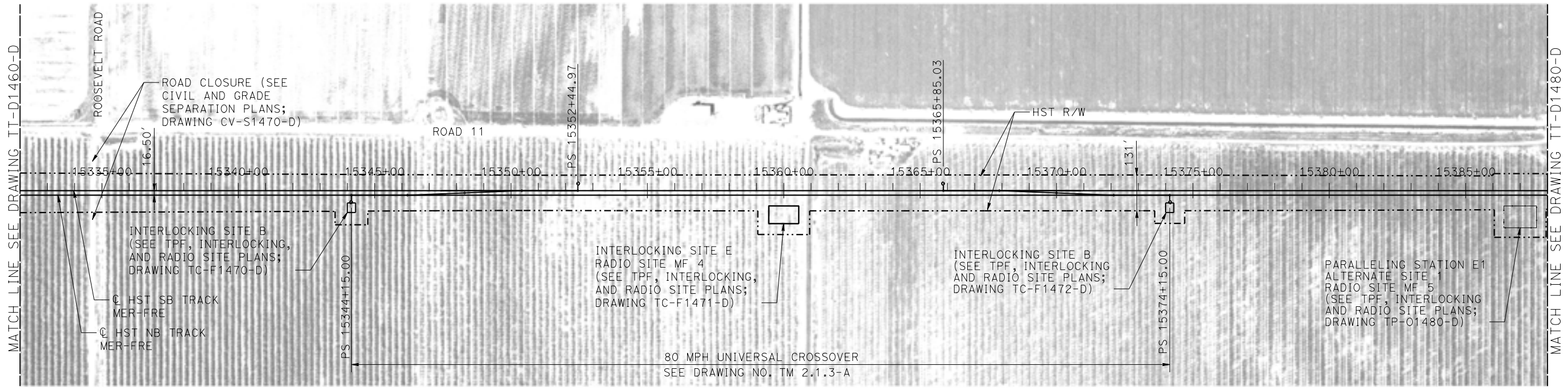
NOT FOR
CONSTRUCTION



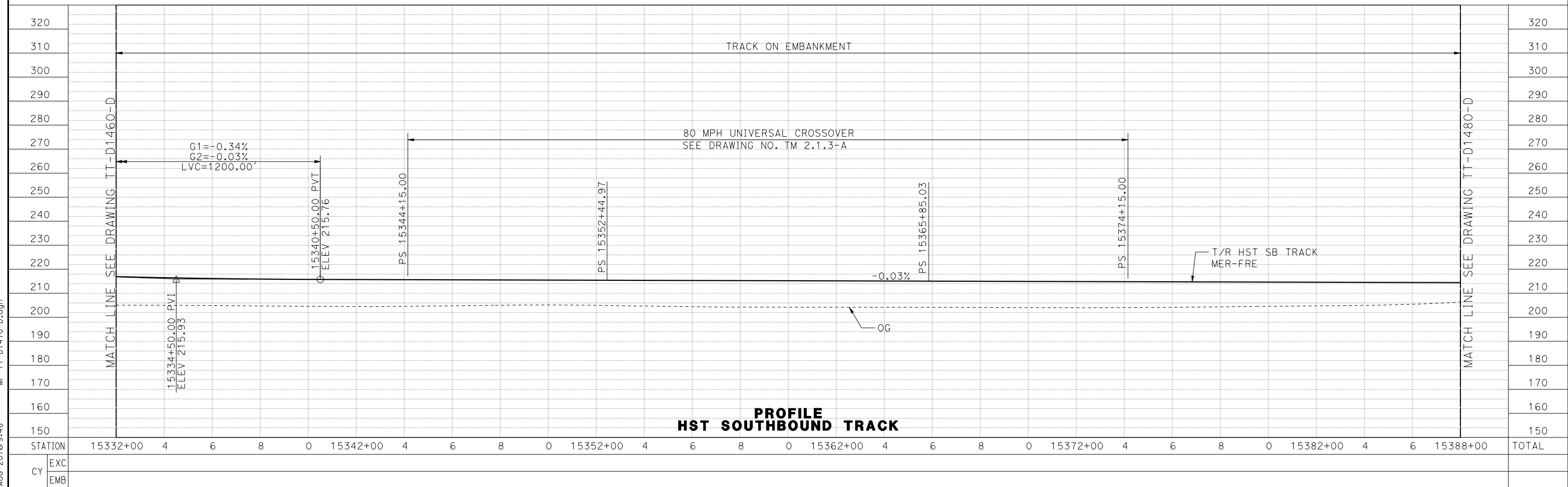
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15276+00 TO 15332+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

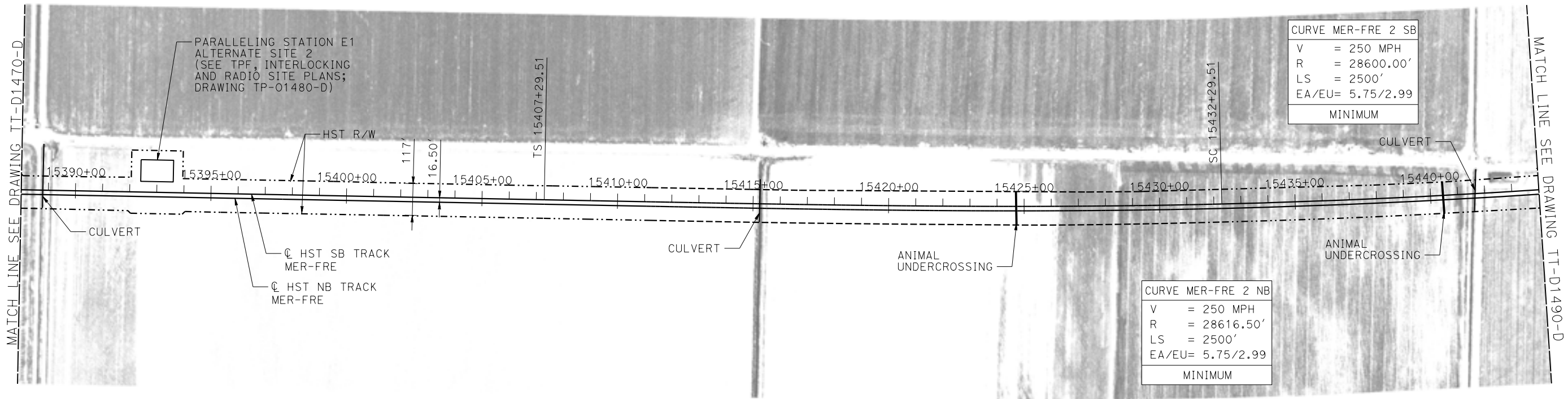
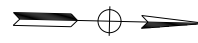


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15332+00 TO 15388+00

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

15-AUG-2016 9:48 MF-TT-D1470-D.dgn

MERCED COUNTY



CURVE MER-FRE 2 NB

V = 250 MPH
 R = 28616.50'
 LS = 2500'
 EA/EU = 5.75/2.99

MINIMUM

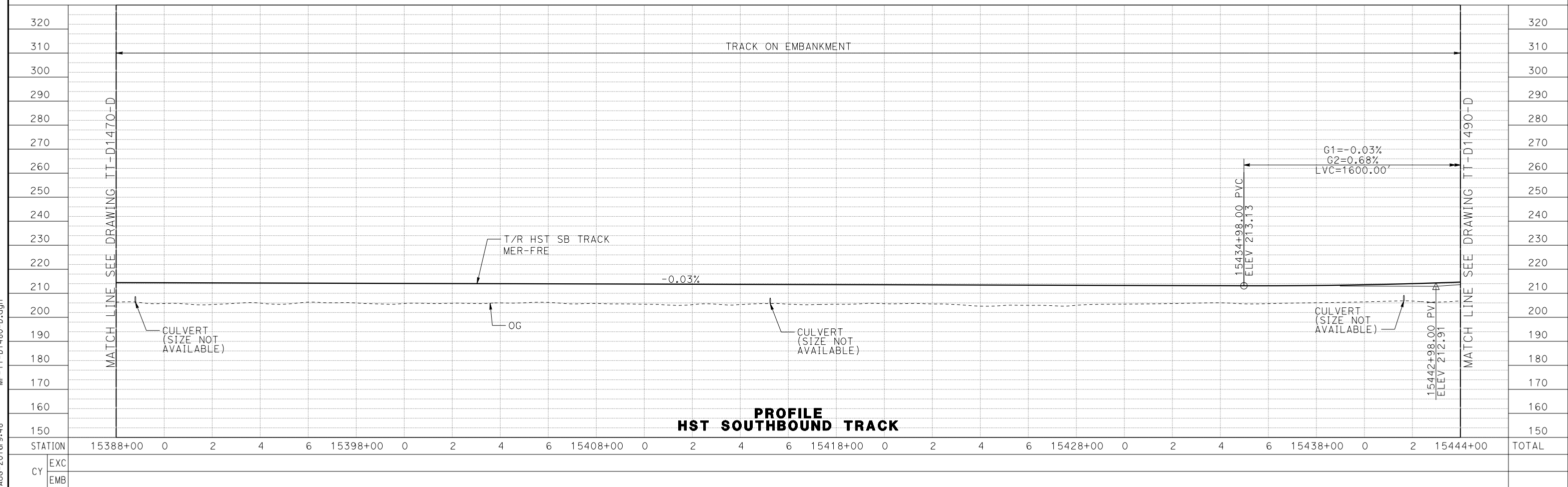
CURVE MER-FRE 2 SB

V = 250 MPH
 R = 28600.00'
 LS = 2500'
 EA/EU = 5.75/2.99

MINIMUM



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 15388+00 TO 15444+00

CONTRACT NO.
HSR08-05

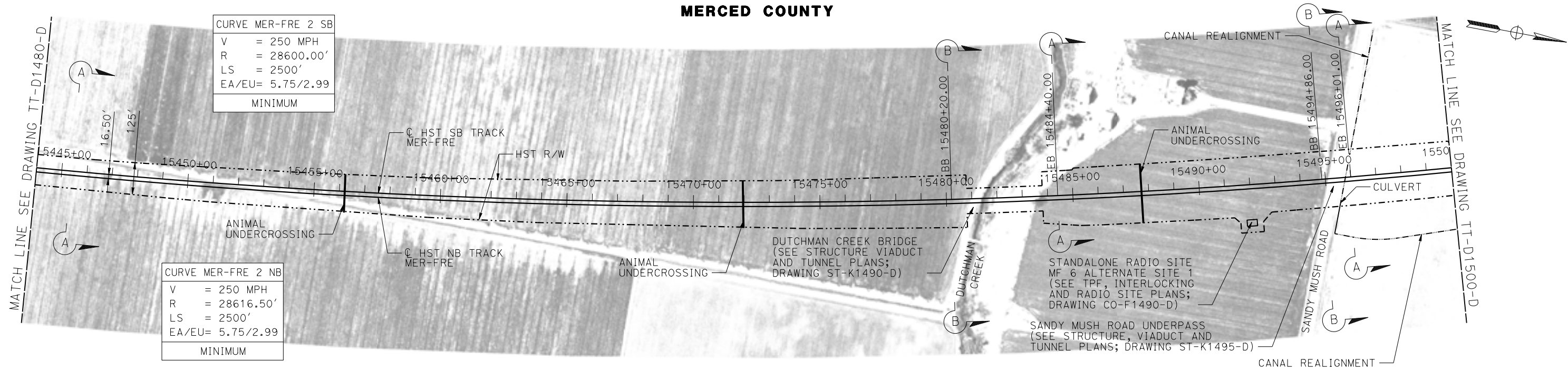
DRAWING NO.
TT-D1480-D

SCALE
AS SHOWN

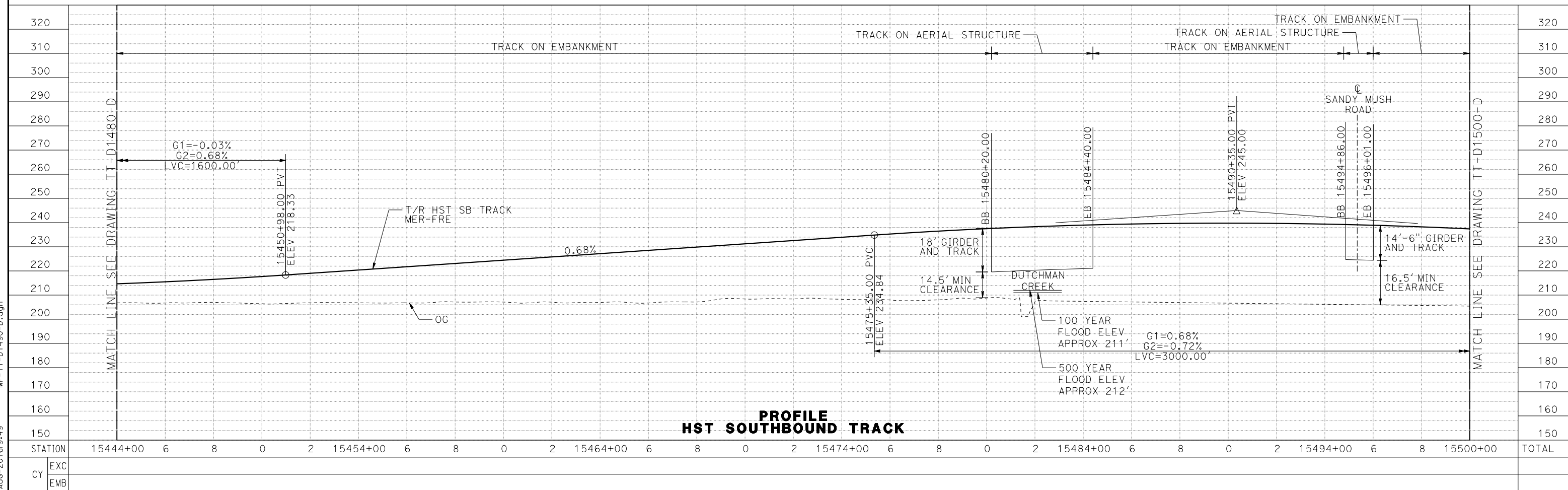
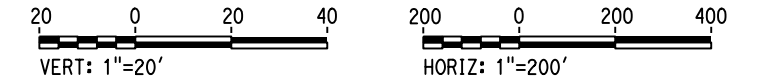
SHEET NO.

15-AUG-2016 9:148 MF-TT-D1480-D.dgn

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

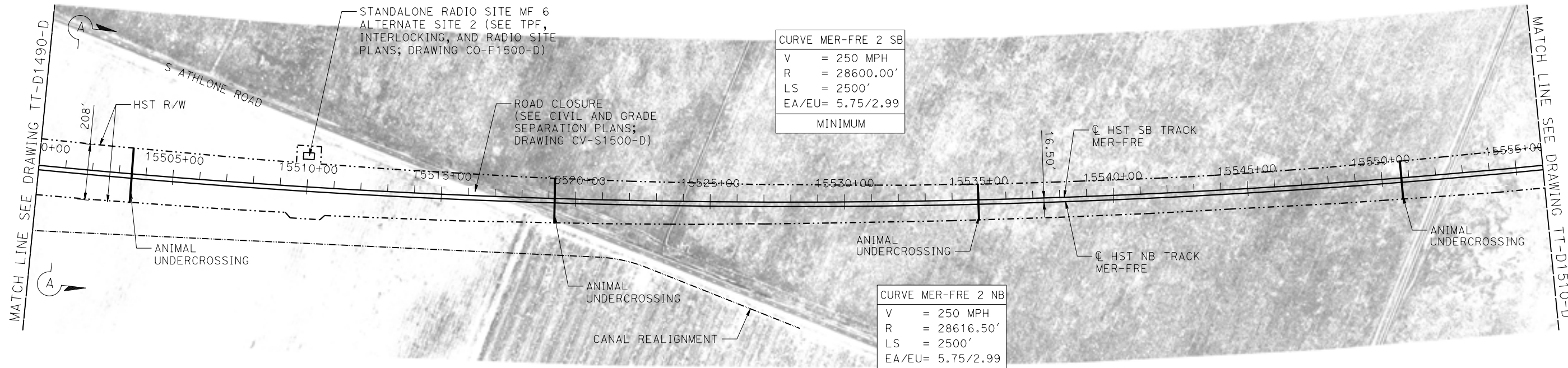


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15444+00 TO 15500+00

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

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

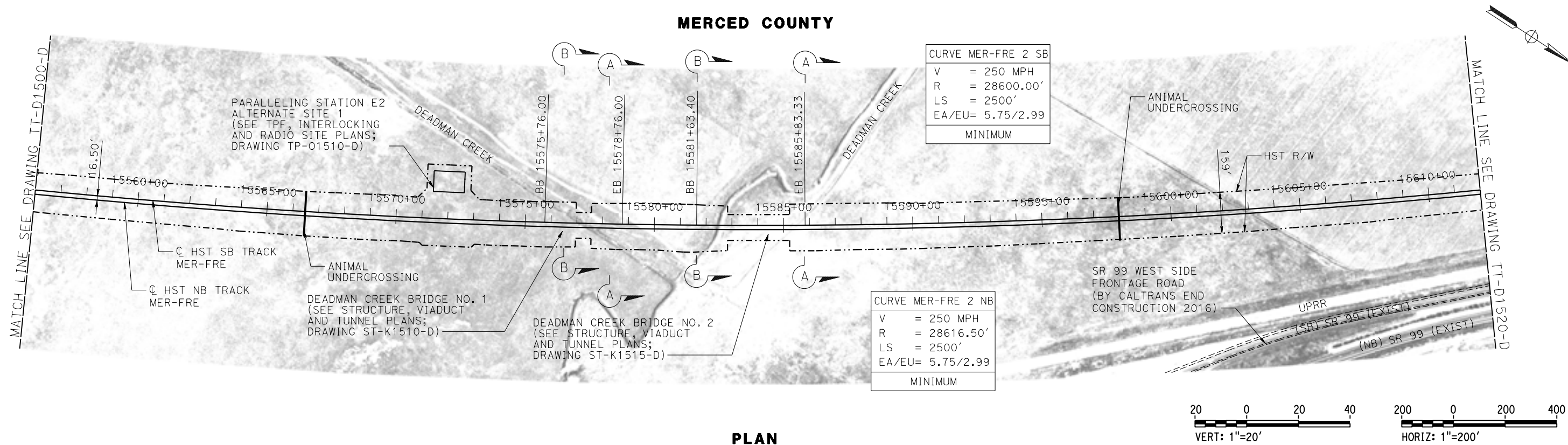
REV	DATE	BY	CHK	APP	DESCRIPTION

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		
--	---	--	--

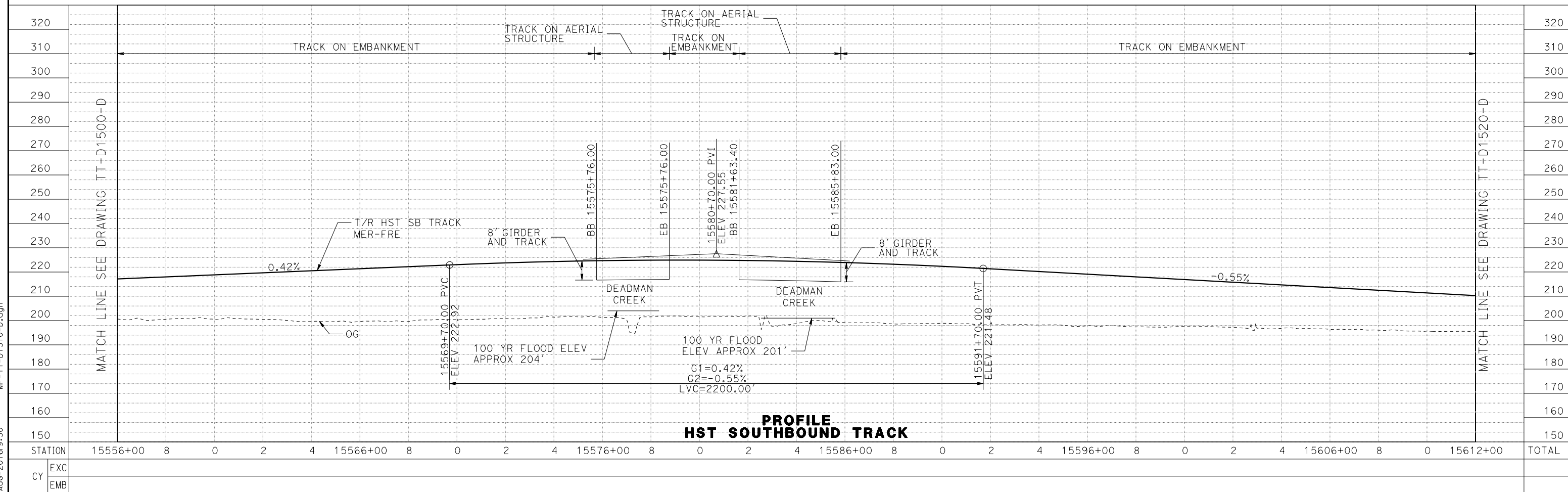
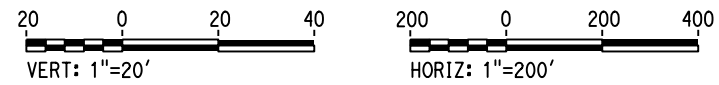
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15500+00 TO 15556+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1500-D SCALE AS SHOWN SHEET NO.
--	---

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

MERCED COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

15-AUG-2016 9:50 MF-TT-D1510-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

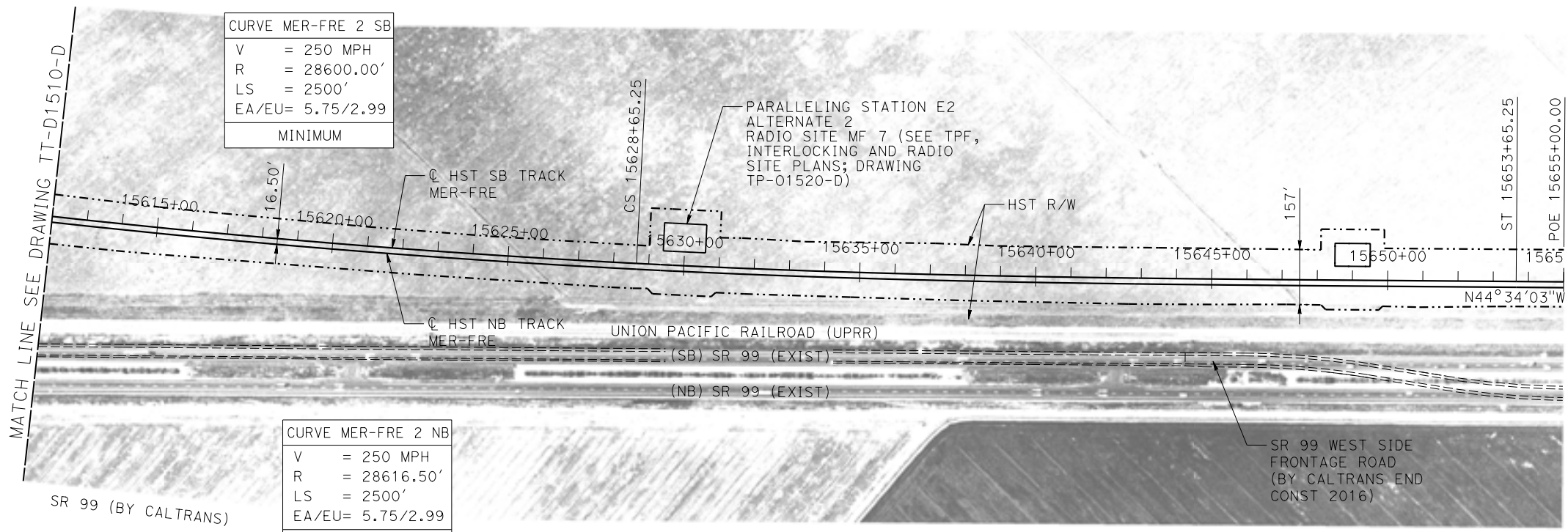
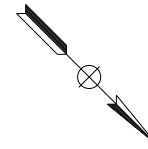
NOT FOR
CONSTRUCTION



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 15556+00 TO 15612+00

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

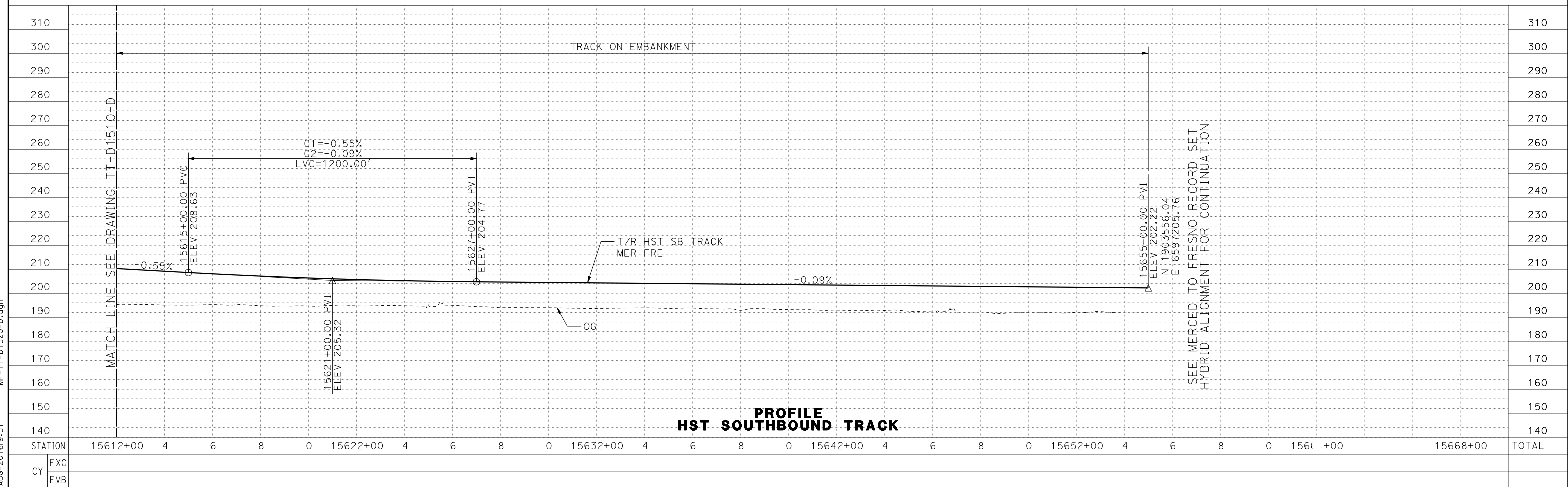
MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION



PLAN



PROFILE
HST SOUTHBOUND TRACK

15-AUG-2016 9:51 MF-TT-D1520-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

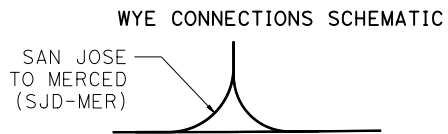
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

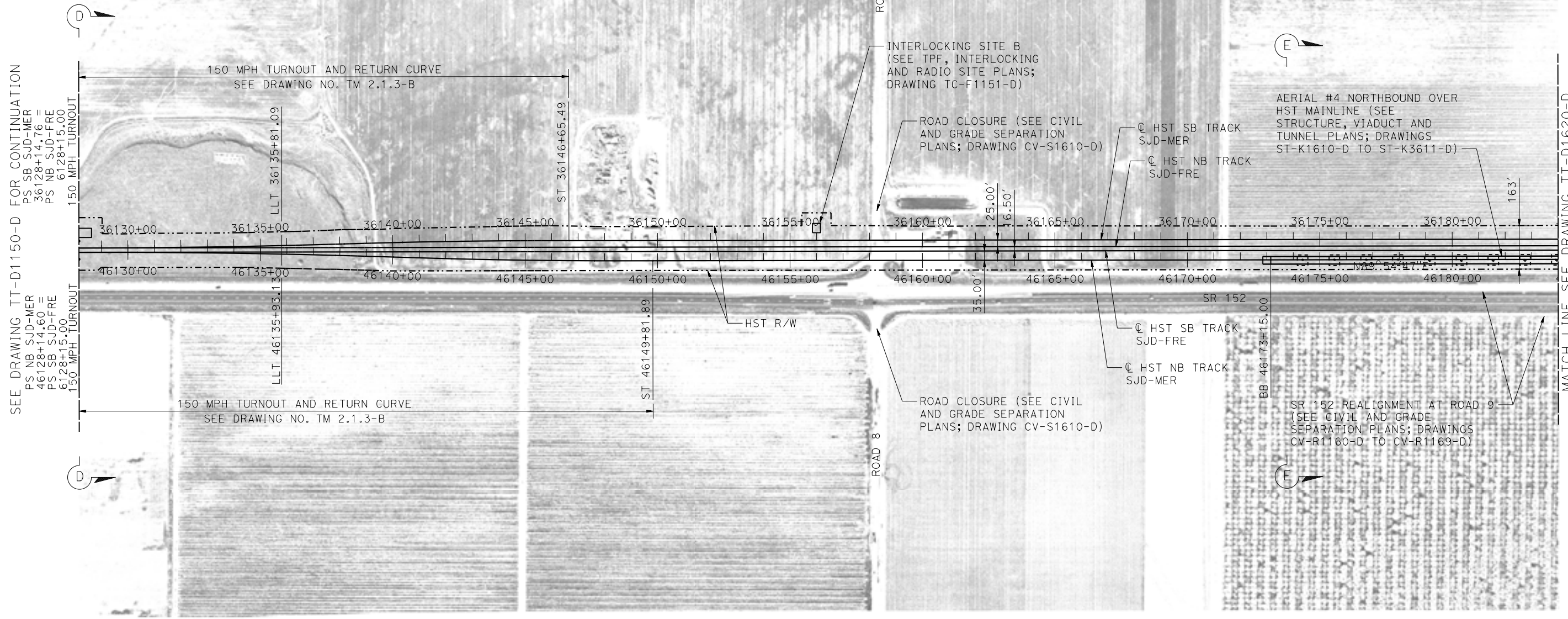


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15612+00 TO 15665+00

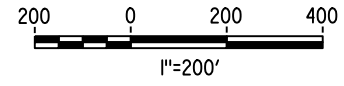
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1520-D
SCALE
AS SHOWN
SHEET NO.



MADERA COUNTY



PLAN



15-AUG-2016 9:52 MF-TT-D1610-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

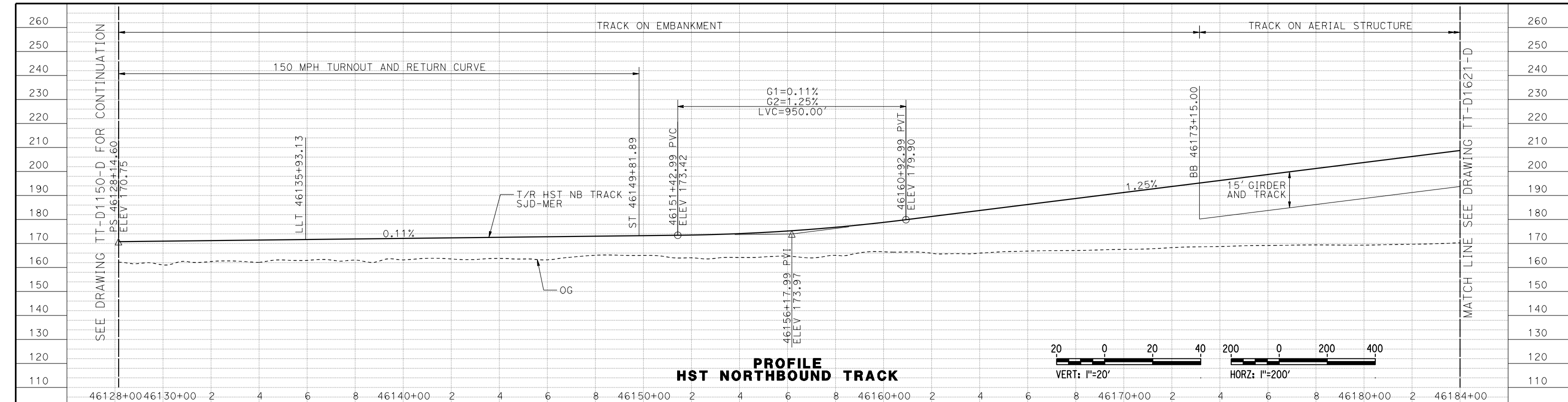
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

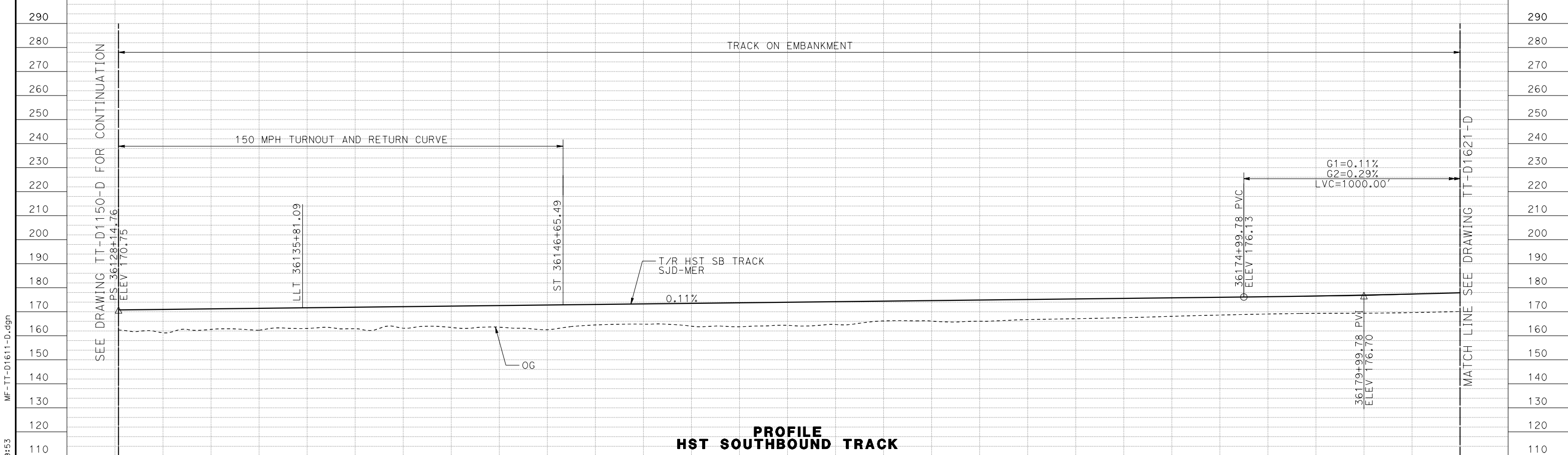
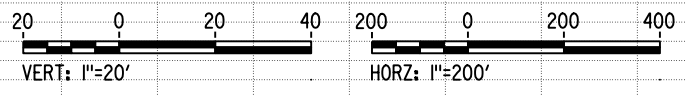


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36128+14.76 TO 36184+00

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



PROFILE HST NORTHBOUND TRACK



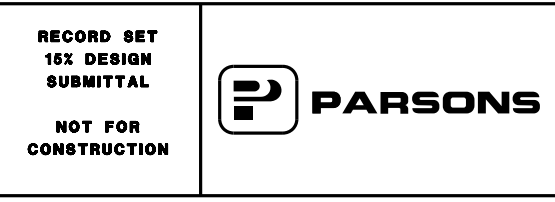
PROFILE HST SOUTHBOUND TRACK

STATION	36128+00	36130+00	2	4	6	8	36140+00	2	4	6	8	36150+00	2	4	6	8	36160+00	2	4	6	8	36170+00	2	4	6	8	36180+00	2	36184+00	TOTAL
EXC																														
EMB																														

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

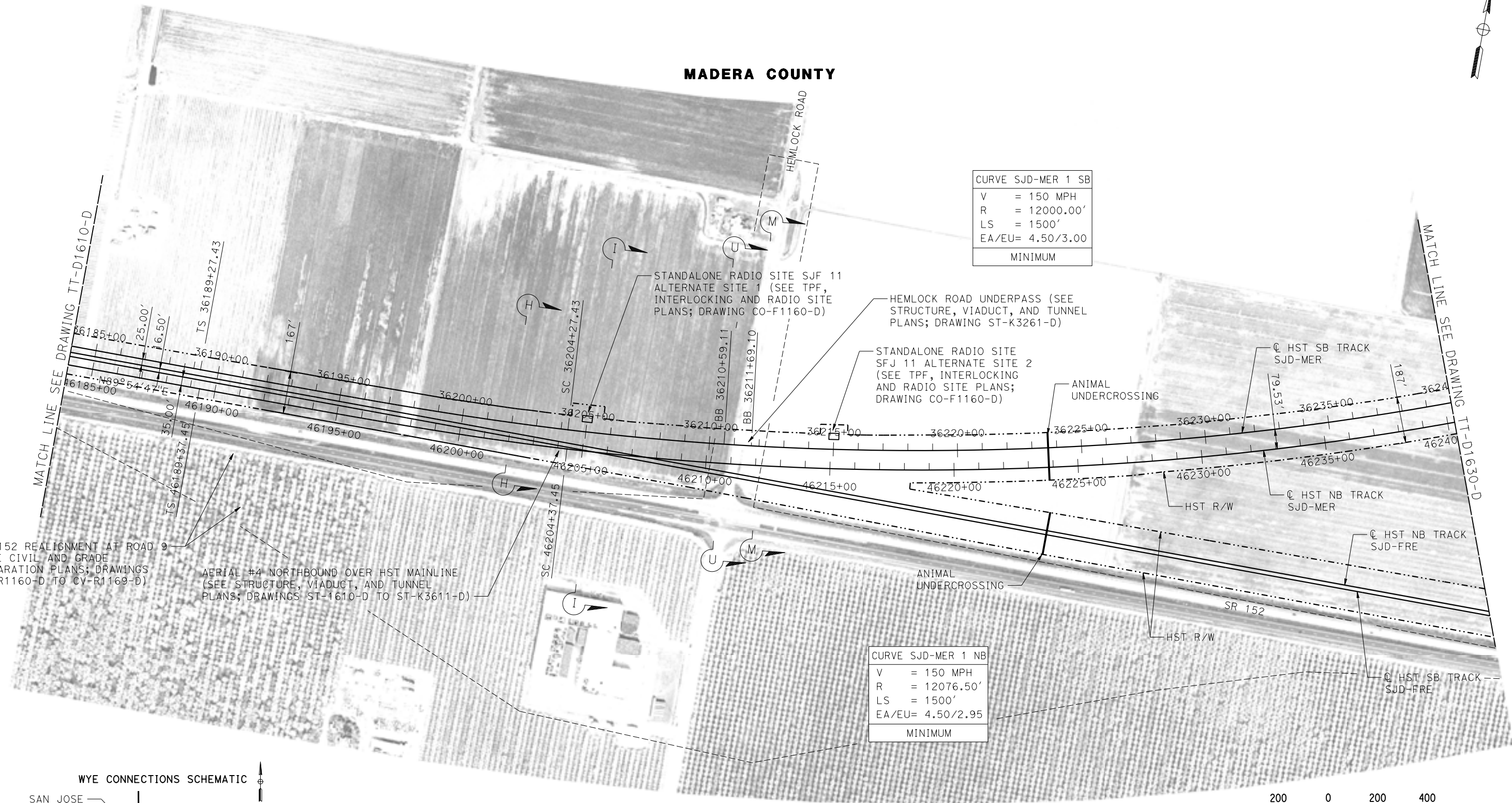


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36128+14.76 TO 36184+00

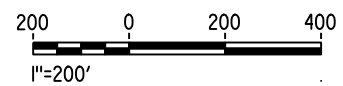
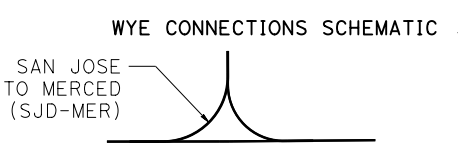
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1611-D
SCALE	AS SHOWN
SHEET NO.	

15-AUG-2016 9:53 MF-TT-D1611-D.dgn

MADERA COUNTY



PLAN



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

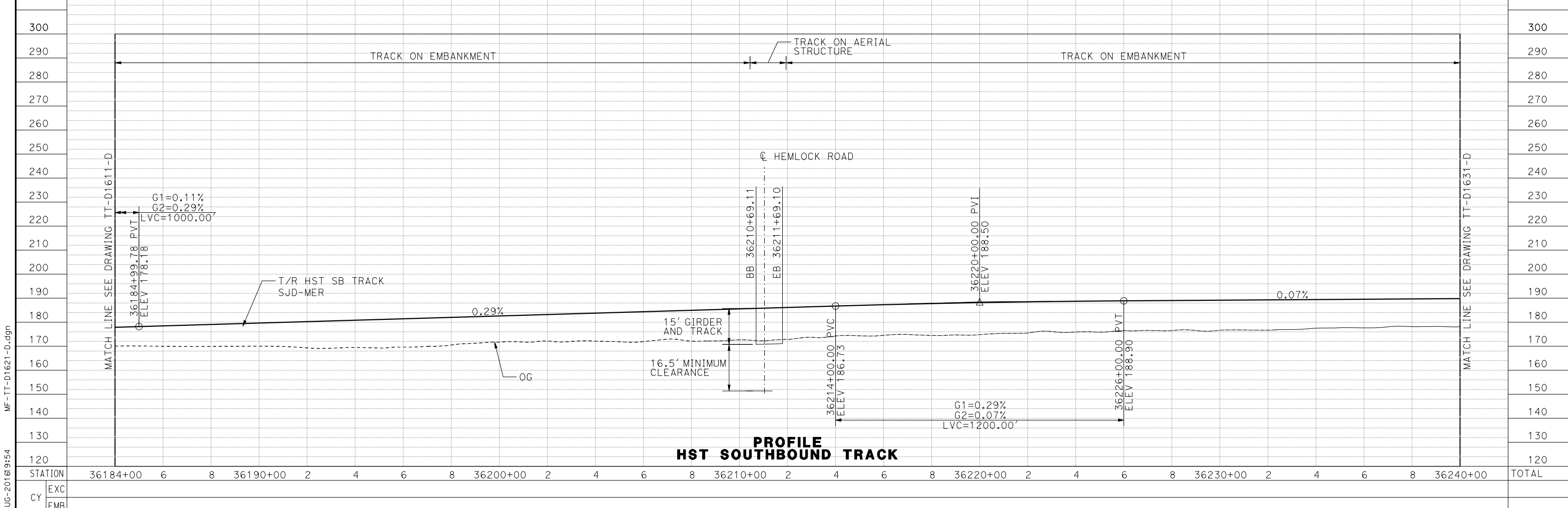
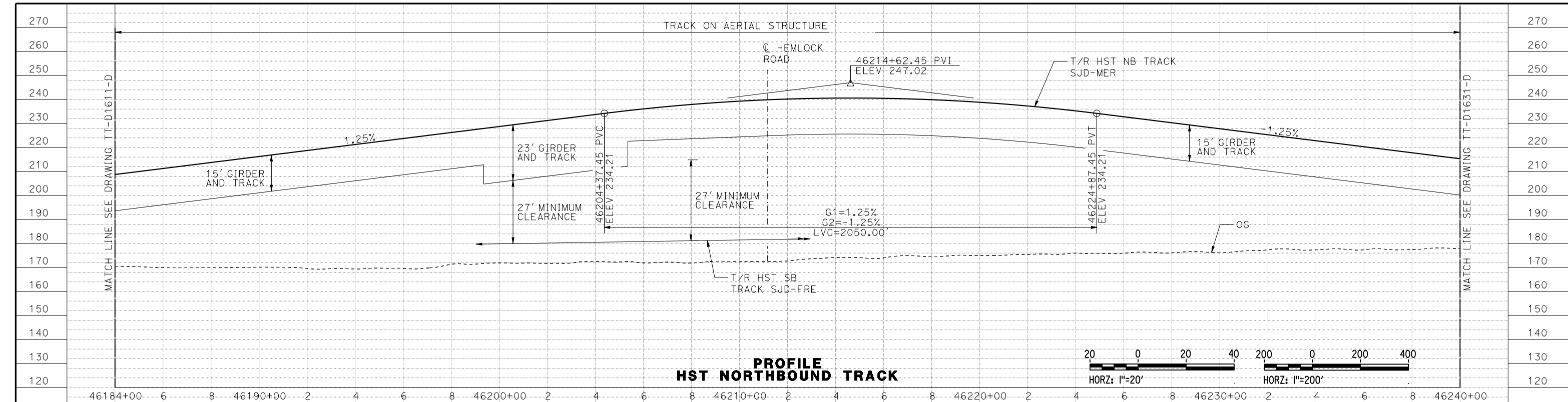
NOT FOR
CONSTRUCTION



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



STATION	36184+00	6	8	36190+00	2	4	6	8	36200+00	2	4	6	8	36210+00	2	4	6	8	36220+00	2	4	6	8	36230+00	2	4	6	8	36240+00	TOTAL
EXC																														
EMB																														

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

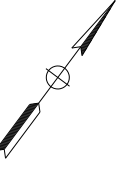
RECORD SET	15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION	

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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 PROFILE	
SJD-MER STA 36184+00 TO 36240+00	

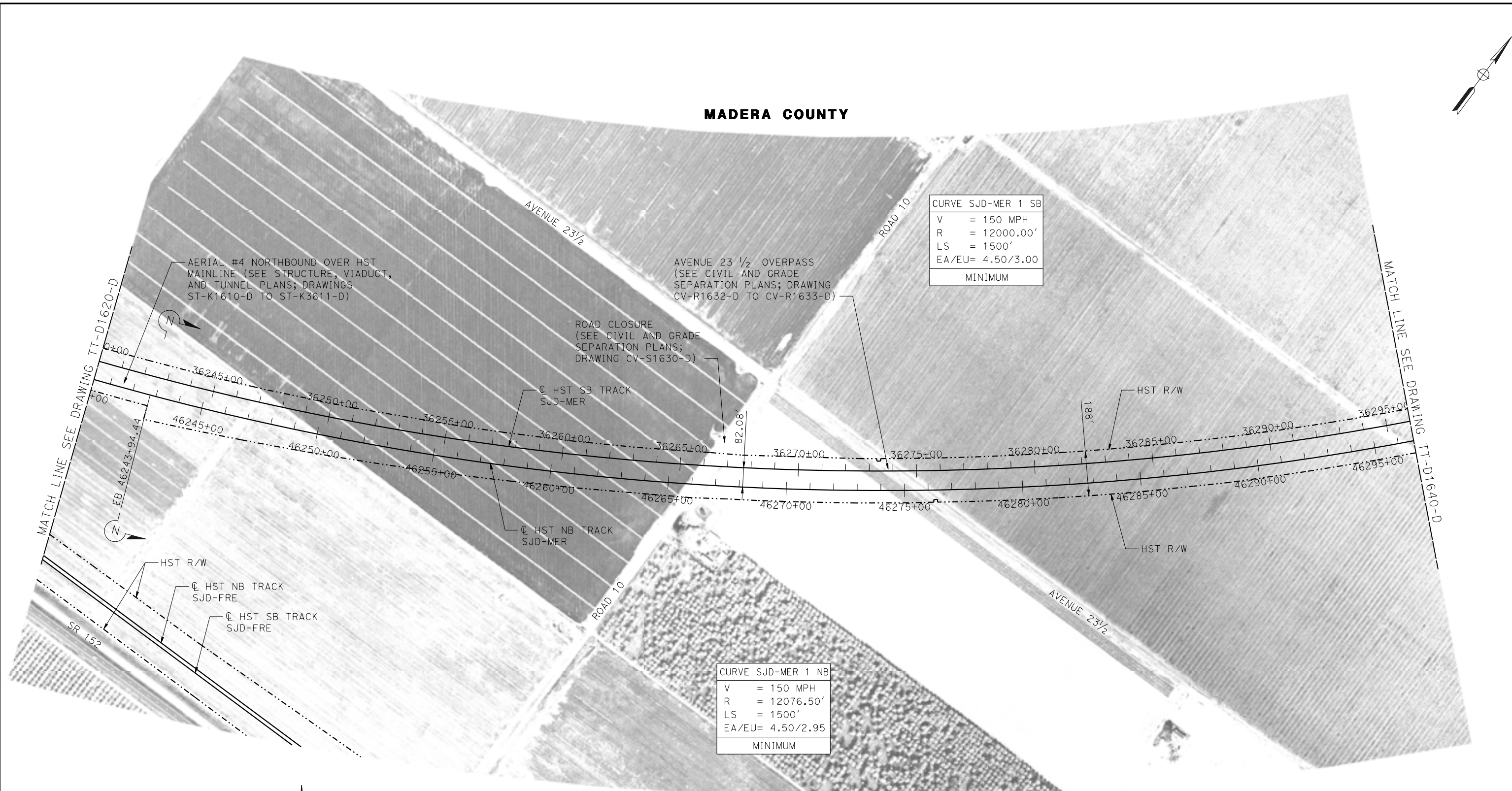
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1621-D
SCALE	AS SHOWN
SHEET NO.	

MADERA COUNTY



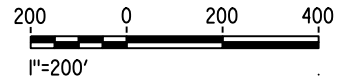
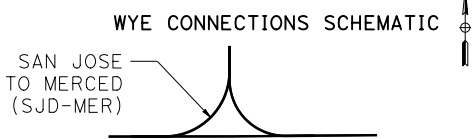
CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 12000.00'
LS	= 1500'
EA/EU	= 4.50/3.00
MINIMUM	

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



MATCH LINE SEE DRAWING TT-D1620-D

MATCH LINE SEE DRAWING TT-D1640-D



PLAN

15-AUG-2016 9:55 MF-TT-D1630-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

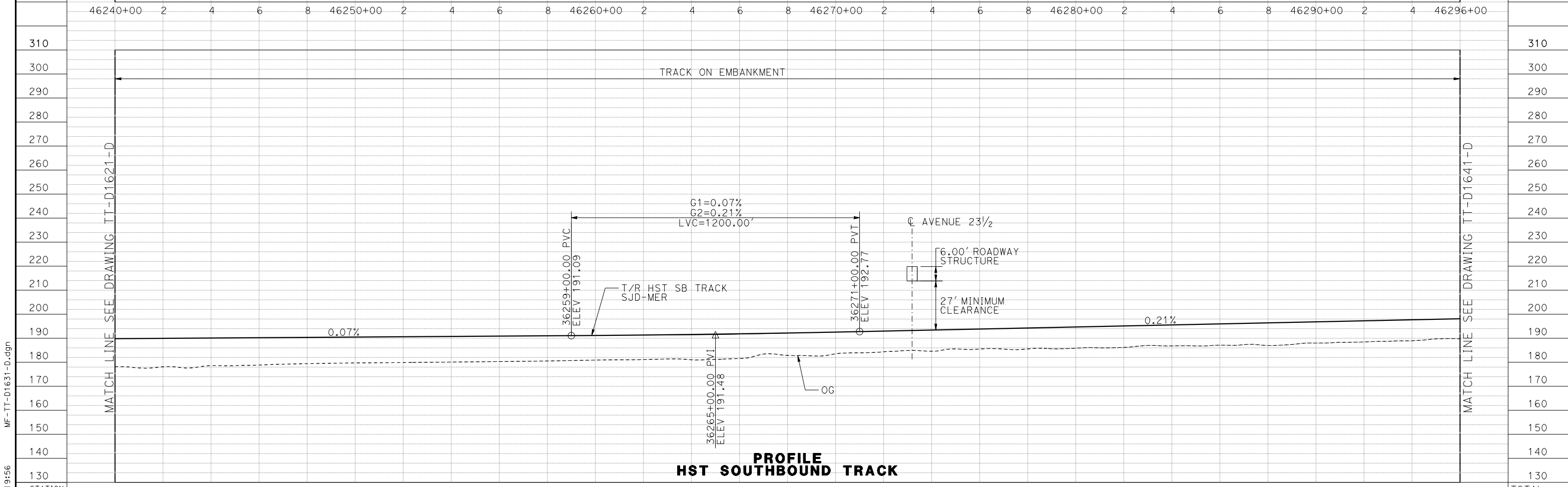
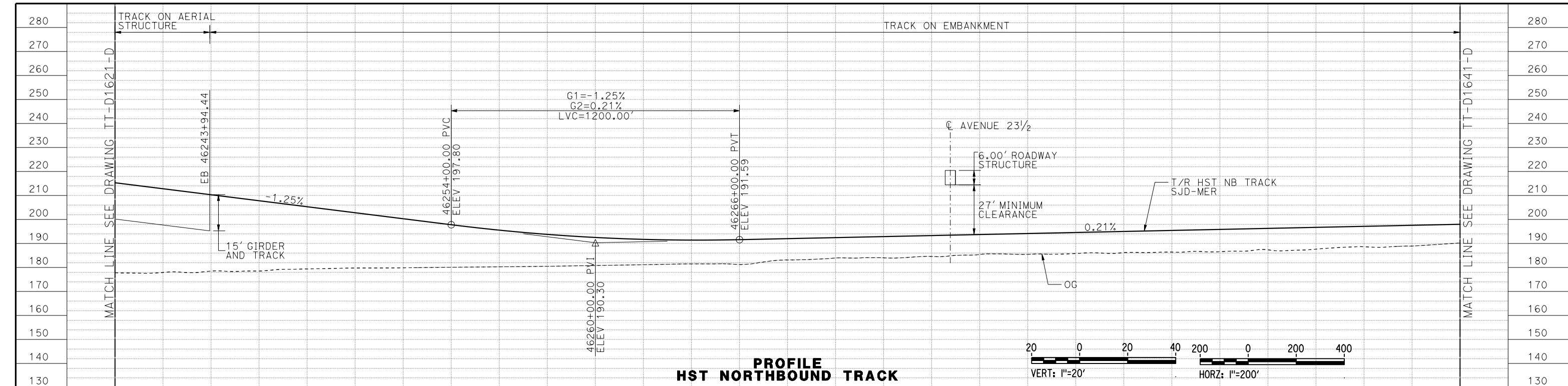
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36240+00 TO 36296+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1630-D

SCALE
AS SHOWN

SHEET NO.

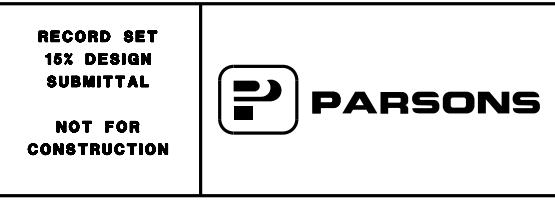


STATION	36240+00	2	4	6	8	36250+00	2	4	6	8	36260+00	2	4	6	8	36270+00	2	4	6	8	36280+00	2	4	6	8	36290+00	2	4	36296+00	TOTAL
EXC																														
EMB																														

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

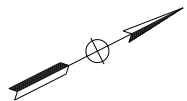
NOT FOR
CONSTRUCTION



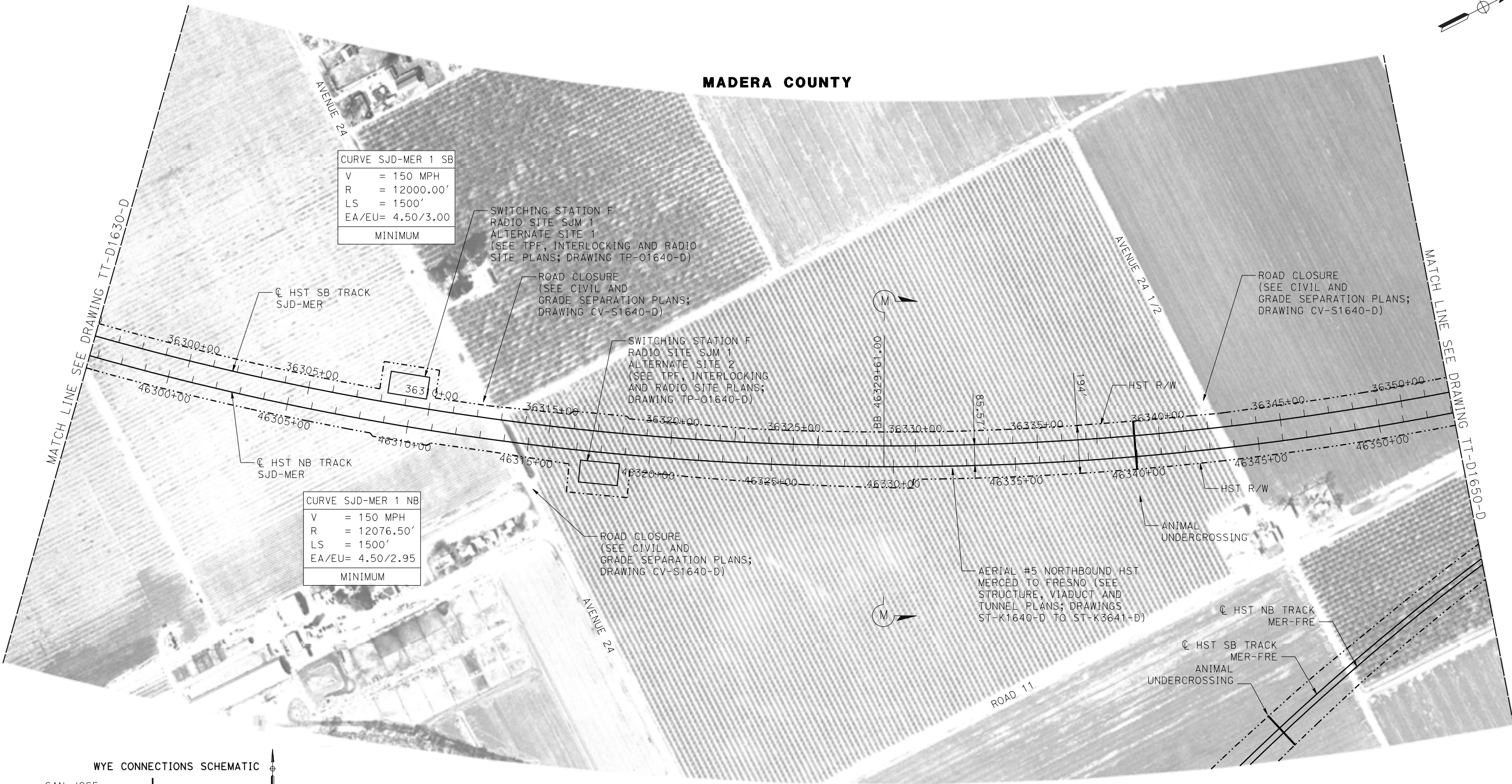
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 TRACK PROFILE
 SJD-MER STA 36240+00 TO 36296+00

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

15-AUG-2016 9:56 MF-TT-D1631-D.dgn
 P0066533

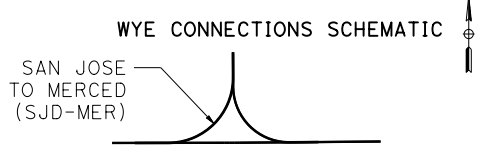


MADERA COUNTY

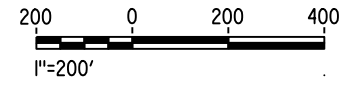


MATCH LINE SEE DRAWING TT-D1630-D

MATCH LINE SEE DRAWING TT-D1650-D



PLAN



15-AUG-2016 9:56 MF-TT-D1640-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

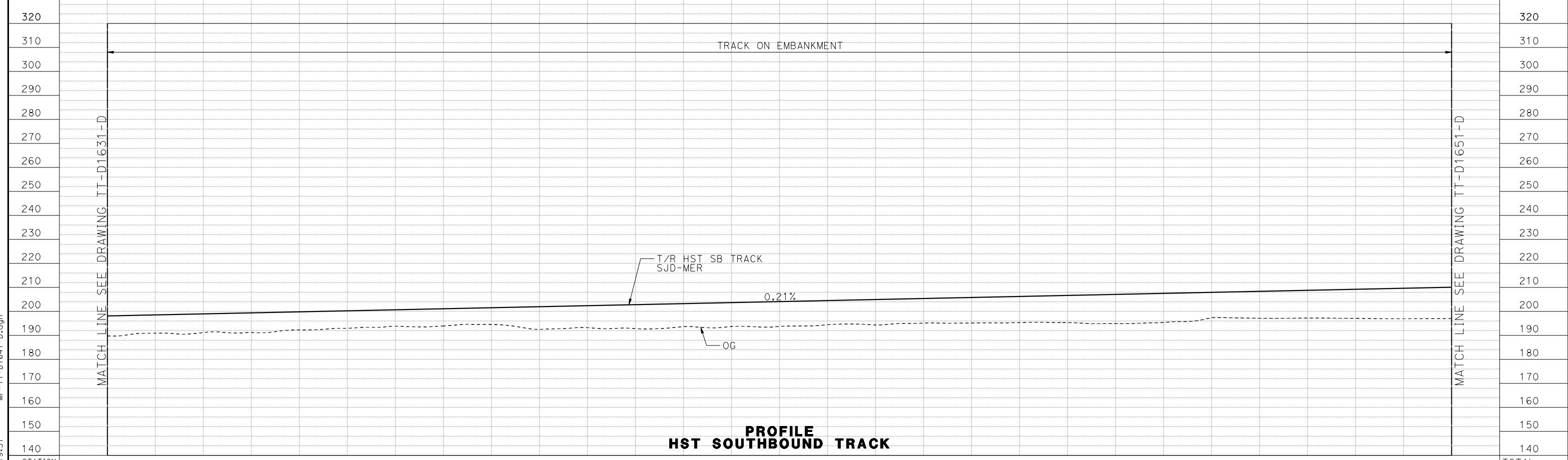
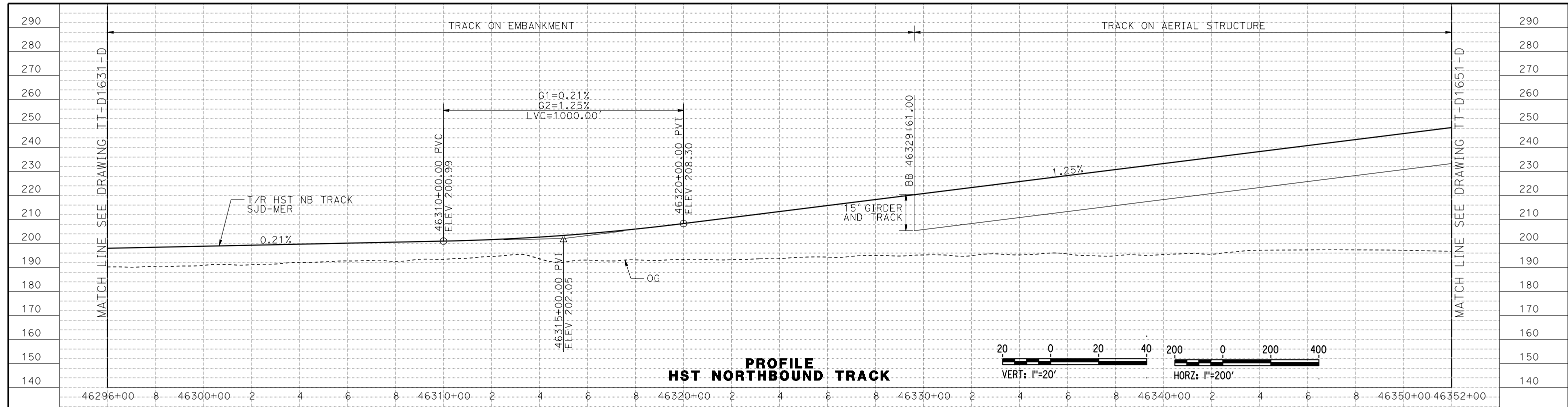
DESIGNED BY
J. PEREZ
DRAWN BY
J. PEREZ
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
08/12/2016



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 36296+00 TO 36352+00

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

15-AUG-2016 09:57 MF-TT-D1641-D.dgn



STATION	36296+00	8	36300+00	2	4	6	8	36310+00	2	4	6	8	36320+00	2	4	6	8	36330+00	2	4	8	8	36340+00	2	4	6	8	36350+00	36352+00	TOTAL
EXC																														
EMB																														

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

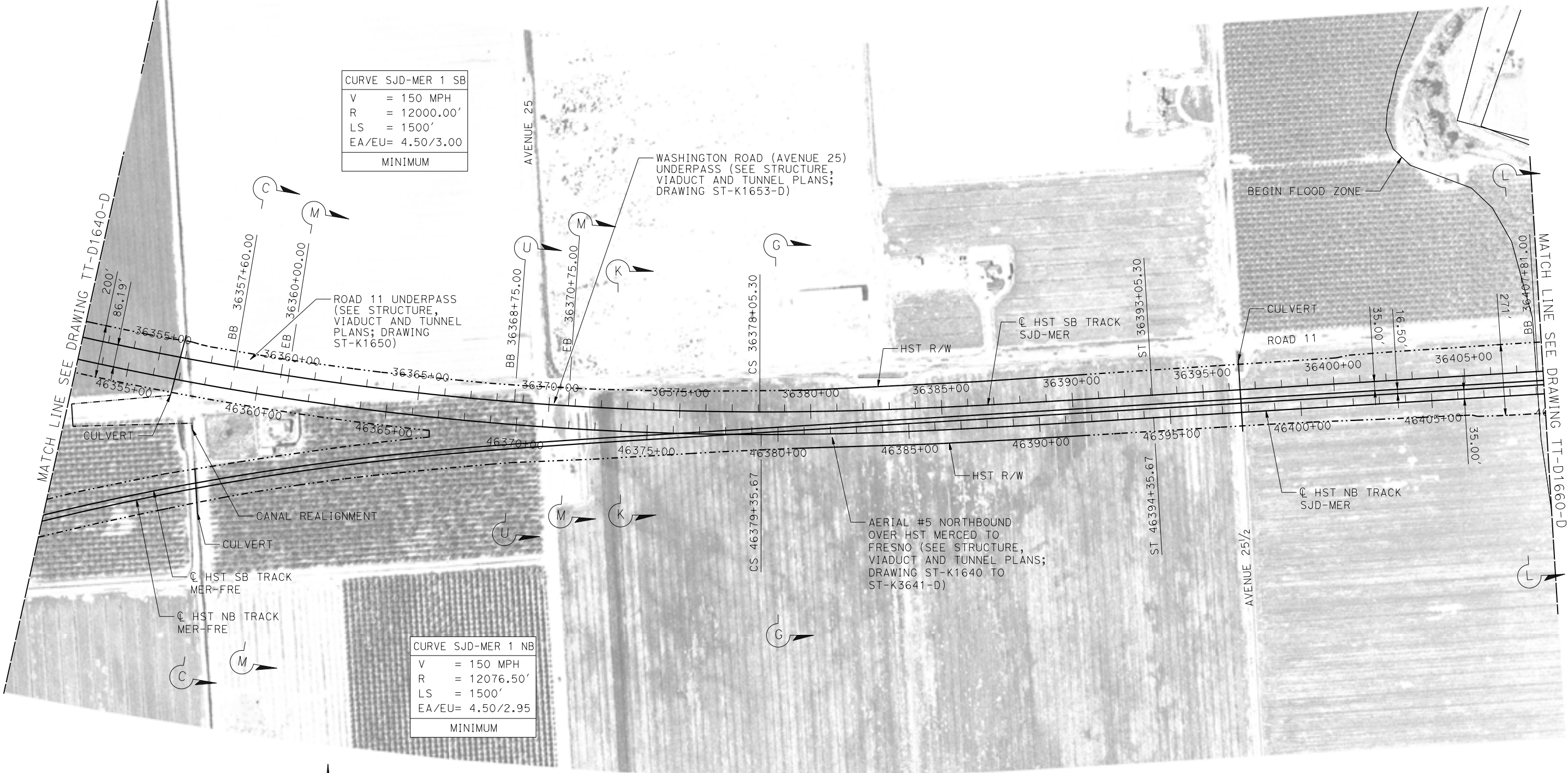
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1641-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

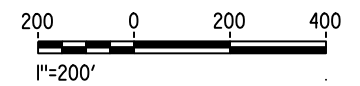


CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 12000.00'
LS	= 1500'
EA/EU	= 4.50/3.00
MINIMUM	

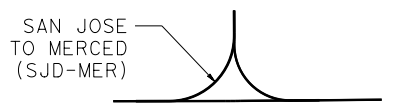
CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 12076.50'
LS	= 1500'
EA/EU	= 4.50/2.95
MINIMUM	



PLAN



WYE CONNECTIONS SCHEMATIC



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

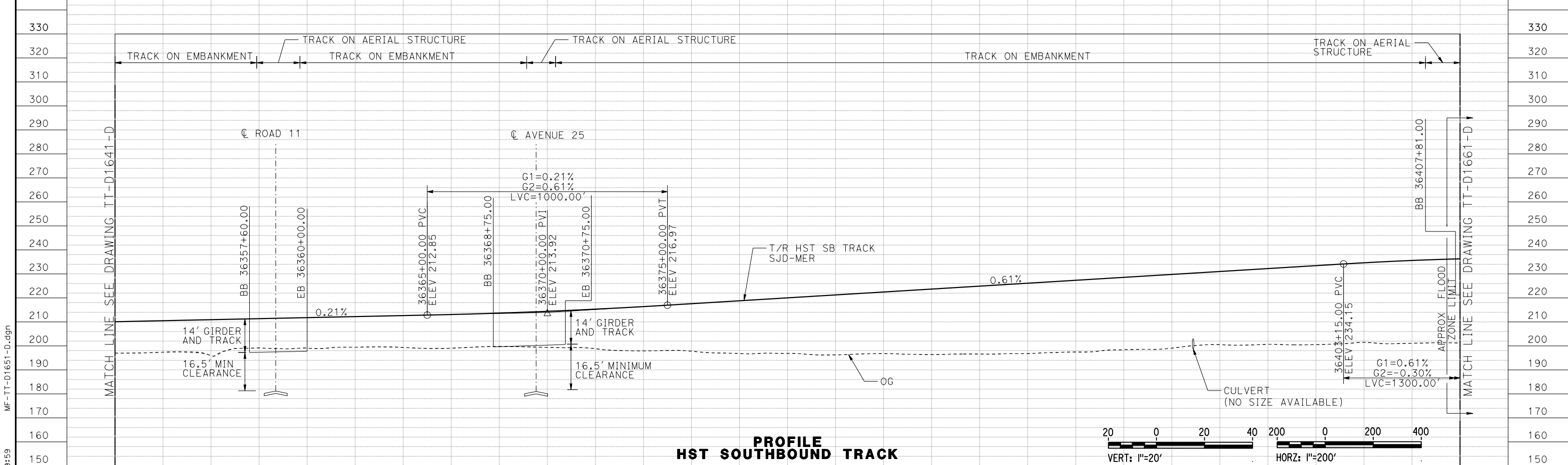
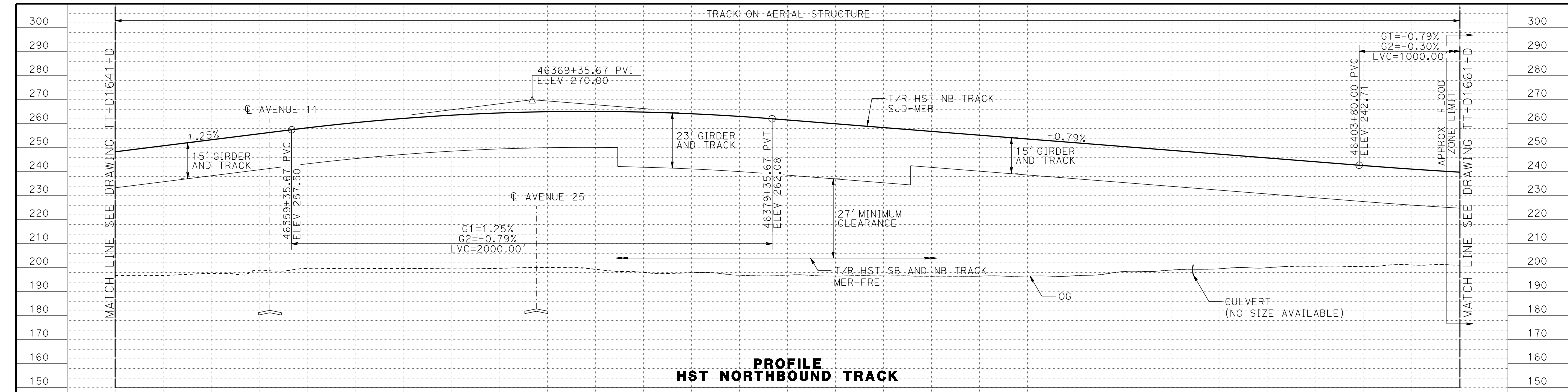
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED 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.

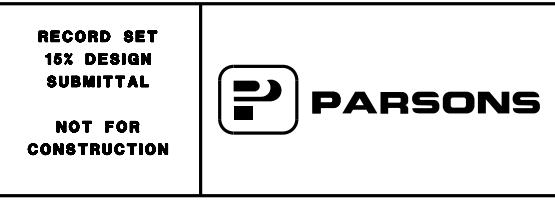


STATION	36352+00	4	6	8	36360+00	2	4	6	8	36370+00	2	4	6	8	36380+00	2	4	6	8	36390+00	2	4	6	8	36400+00	2	4	6	36408+00	TOTAL
EXC																														
EMB																														

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

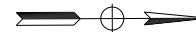


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36352+00 TO 36408+00

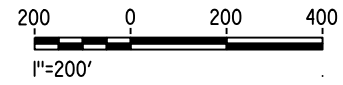
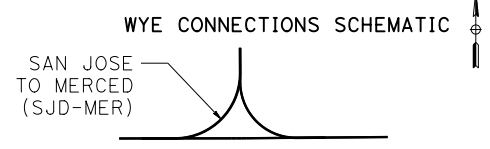
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1651-D
SCALE	AS SHOWN
SHEET NO.	

15-AUG-2016 9:59 MF-TT-D1651-D.dgn

MADERA COUNTY



PLAN



SEE DRAWING TT-D1460-D FOR CONTINUATION

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

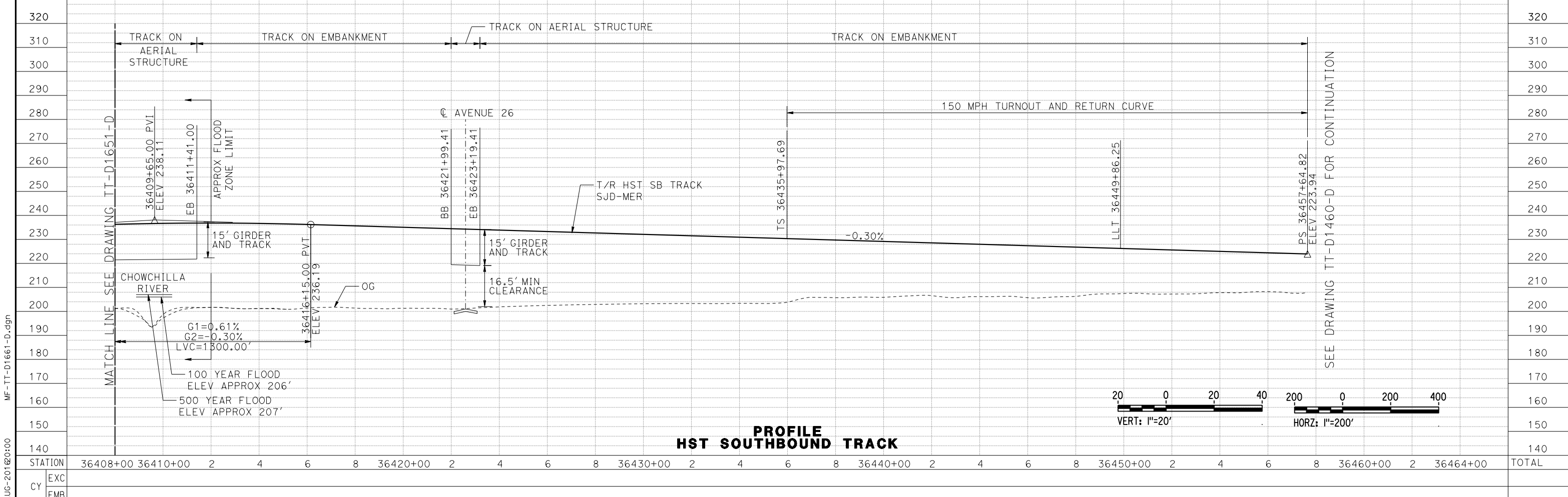
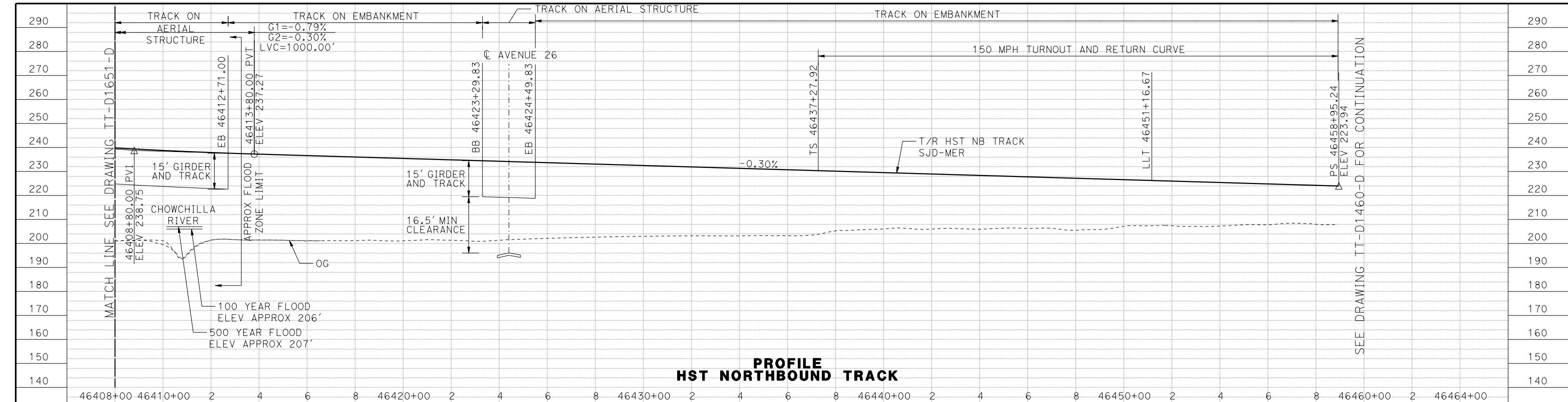
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36408+00 TO 36457+64.82

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1660-D

SCALE
AS SHOWN

SHEET NO.



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.

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

MATCH LINE SEE DRAWING TT-D1651-D

MATCH LINE SEE DRAWING TT-D1651-D

MATCH LINE SEE DRAWING TT-D1651-D

SEE DRAWING TT-D1460-D FOR CONTINUATION

