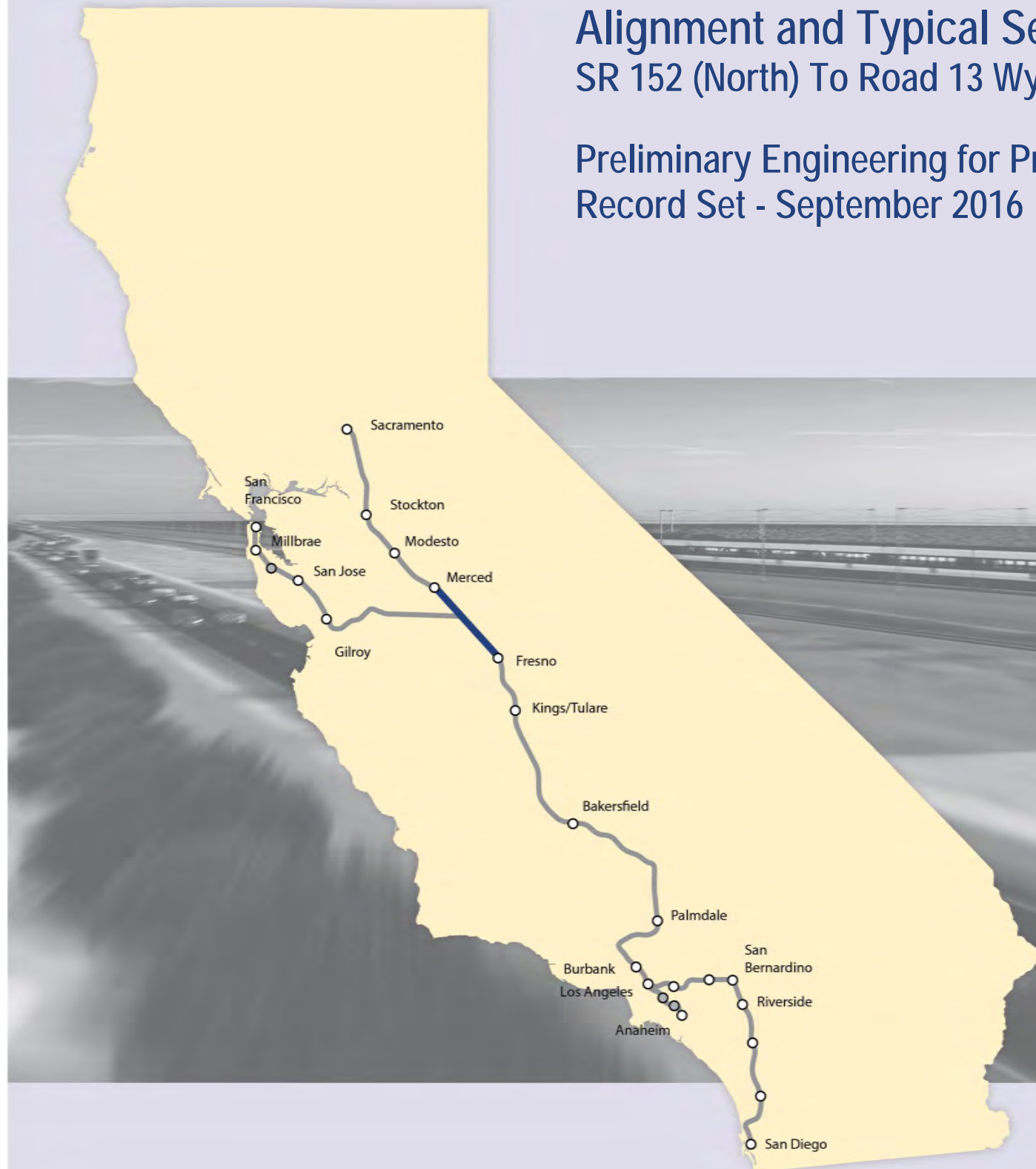


California High-Speed Rail Authority

# *Merced to Fresno Section: Central Valley Wye*

Alignment and Typical Section Plans (Book 1 of 4)  
SR 152 (North) To Road 13 Wye Alternative

Preliminary Engineering for Project Definition  
Record Set - September 2016



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

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
<b>GENERAL</b>				
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	
<b>SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE</b>				
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
<b>SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE</b>				
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  
**08/12/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CONTRACT NO.  
**HSR08-05**

DRAWING NO.  
**TT-B0004**

SCALE  
**NO SCALE**

SHEET NO.

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7169+59.17
TT-D1410-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1411-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14715+51.30 TO 14771+00.00
TT-D1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1421-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14771+00.00 TO 14827+00.00
TT-D1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1431-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14827+00.00 TO 14883+00.00
TT-D1440-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1441-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14883+00.00 TO 14939+00.00
TT-D1450-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14939+00.00 TO 14995+00.00
TT-D1451-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14939+00.00 TO 14995+00.00

15-AUG-2016 4:57 MF-TT-B0005.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 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
<b>AVENUE 21 TO ROAD 13 WYE ALTERNATIVE</b>				
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.

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

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

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
ALIGNMENT AND TYPICAL SECTION PLANS  
INDEX OF DRAWINGS  
SHEET 6 OF 9

CONTRACT NO.  
**HSR08-05**  
DRAWING NO.  
**TT-B0007**  
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
<b>SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE</b>				
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  
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
ALIGNMENT AND TYPICAL SECTION PLANS  
INDEX OF DRAWINGS  
SHEET 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.sgn

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**

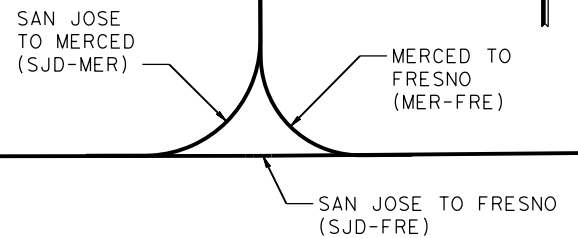
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 15% DESIGN  
 SUBMITTAL  
  
**NOT FOR  
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN JOSE TO MERCED SEGMENT**  
  
 ABBREVIATIONS  
 SHEET 2 OF 2

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

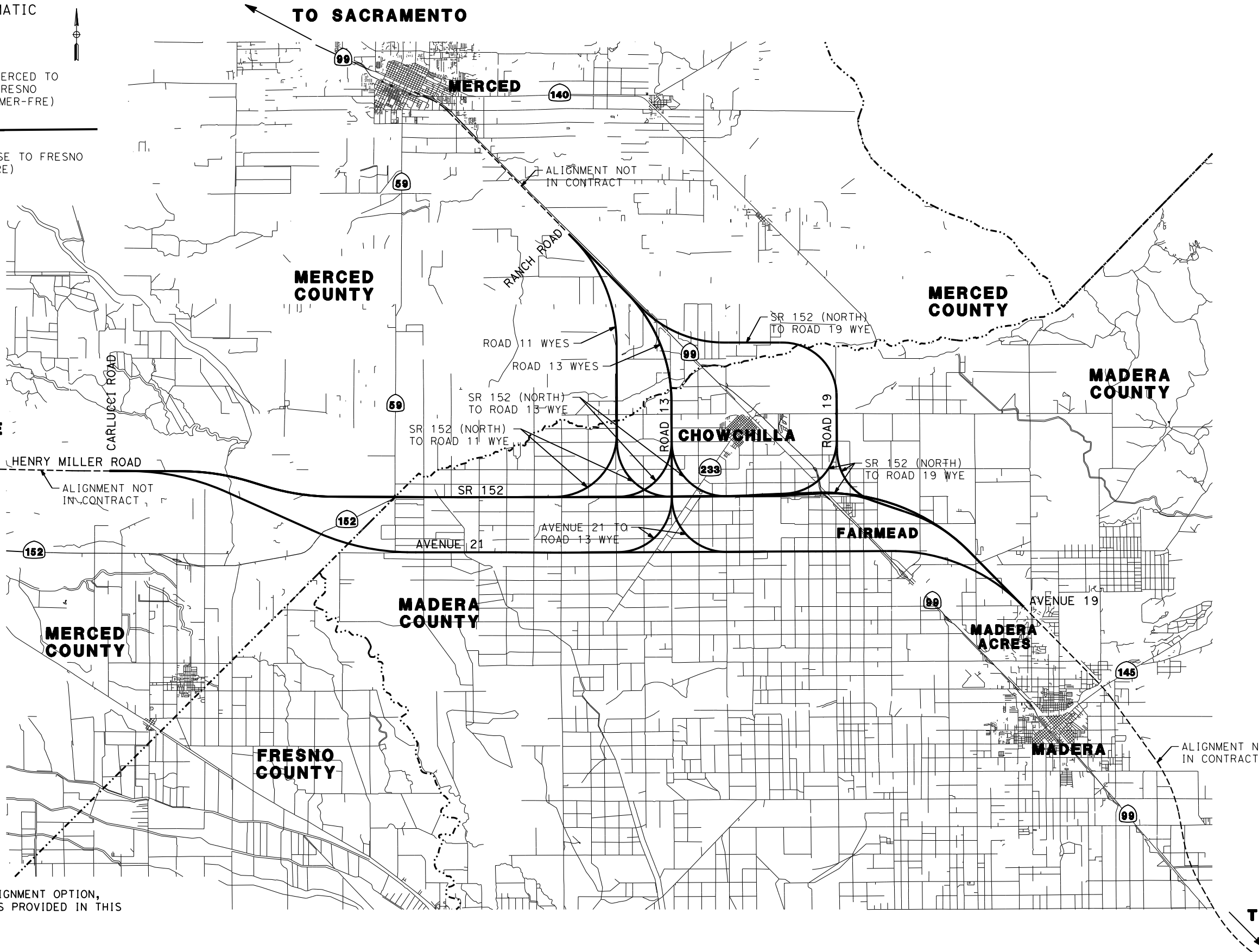
WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO

HENRY MILLER ROAD  
ALIGNMENT NOT IN CONTRACT



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

TO FRESNO

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**

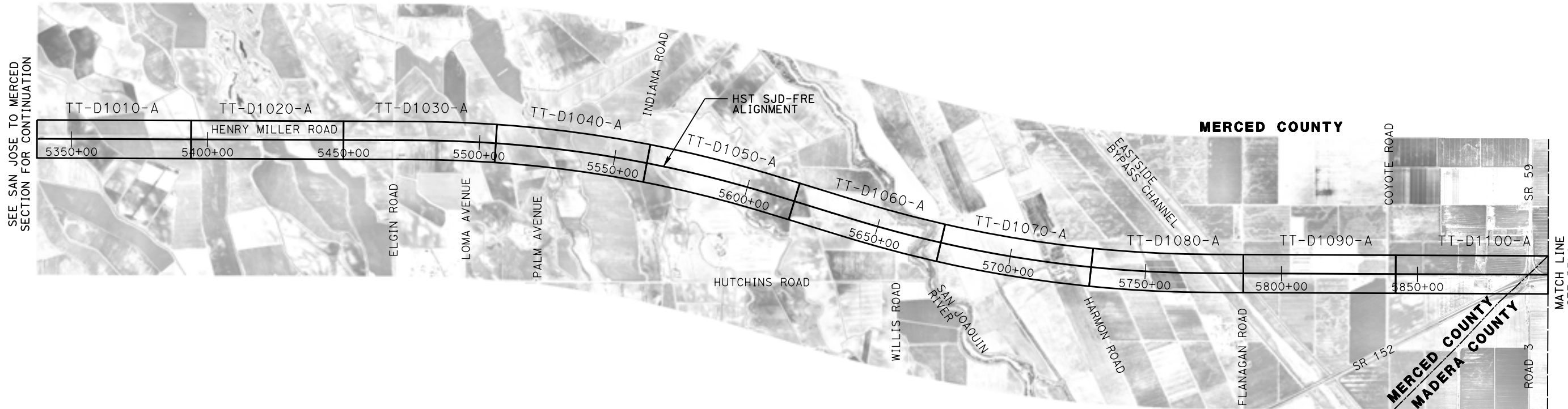
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**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



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

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

MERCED COUNTY

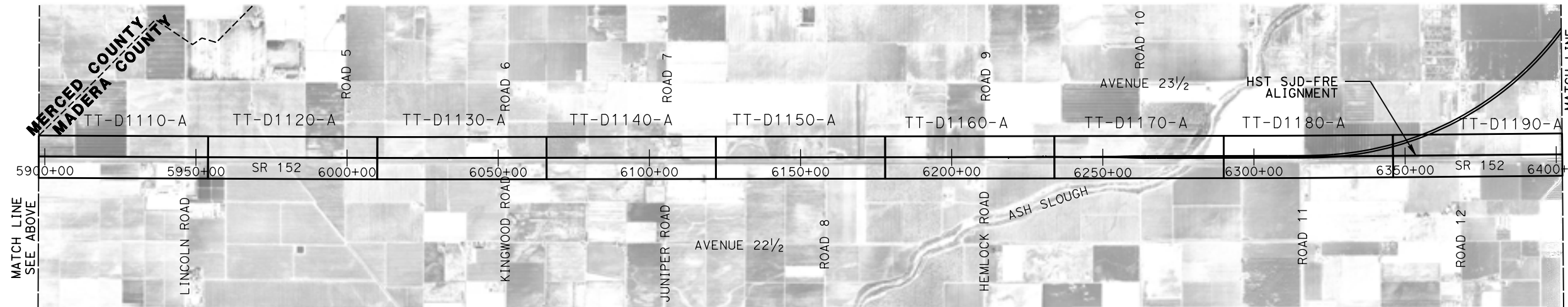


SEE SAN JOSE TO MERCED SECTION FOR CONTINUATION

MATCH LINE SEE BELOW

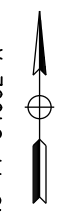


MADERA COUNTY



MATCH LINE SEE ABOVE

MATCH LINE SEE DRAWING TT-C4002-A



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

REV	DATE	BY	CHK	APP	DESCRIPTION

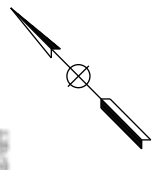
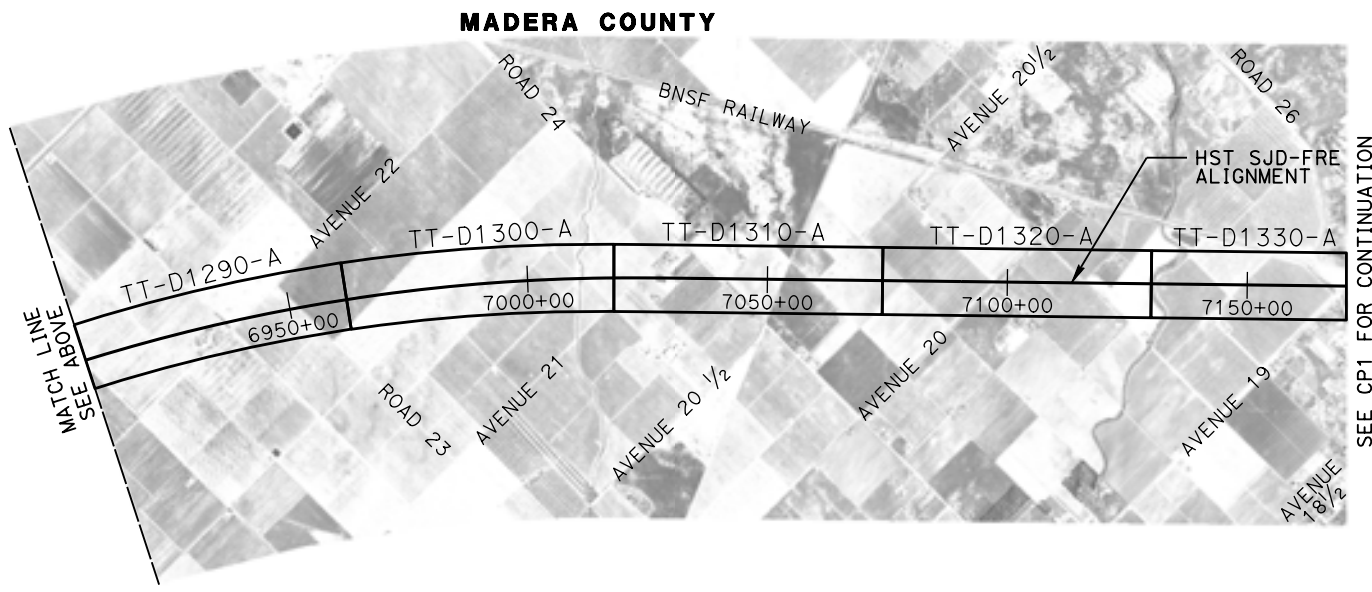
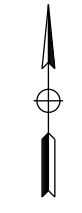
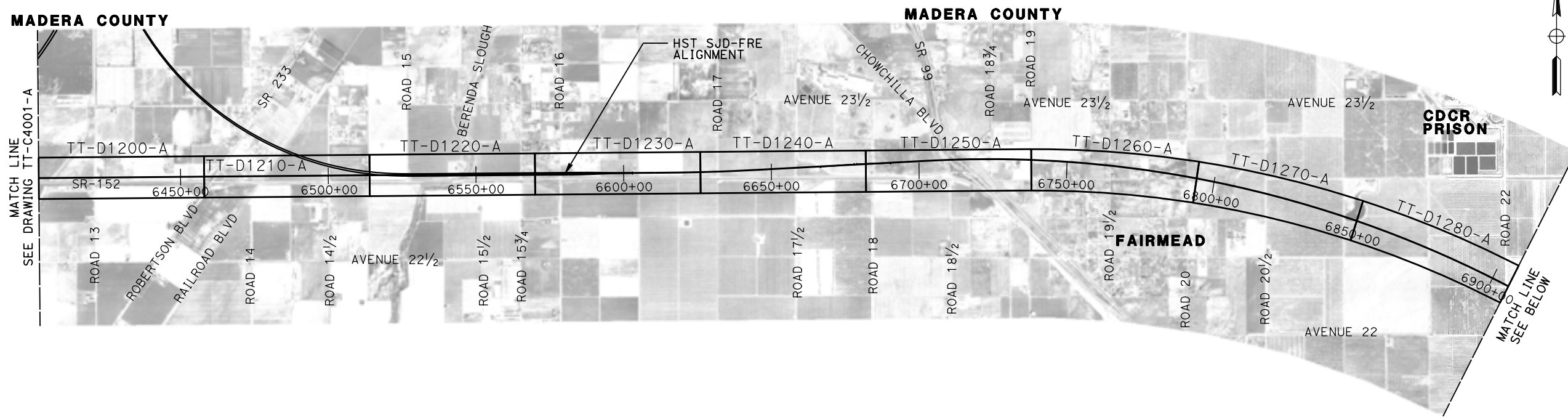
DESIGNED BY  
**D. OLIVETI**  
DRAWN BY  
**M. TACTAY**  
CHECKED BY  
**E. CASTELI**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



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

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



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 2 OF 3

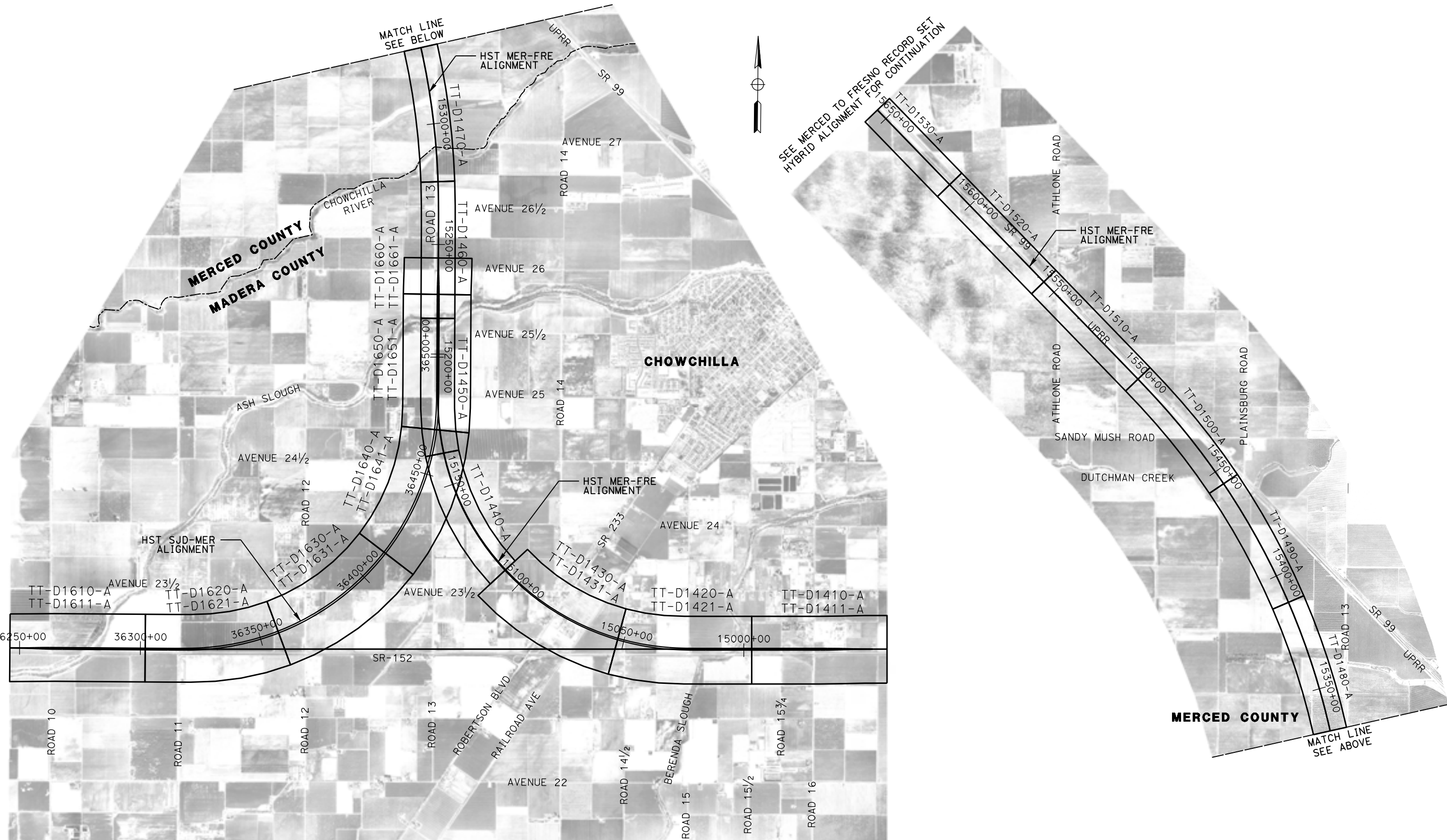
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HSR08-05

DRAWING NO.  
TT-C4002-A

SCALE  
N. T. S.

SHEET NO.

16-MAR-2016 1:28 MF-TT-C4003-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
KEY MAP  
SHEET 3 OF 3

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-C4003-A

SCALE  
N. T. S.

SHEET NO.



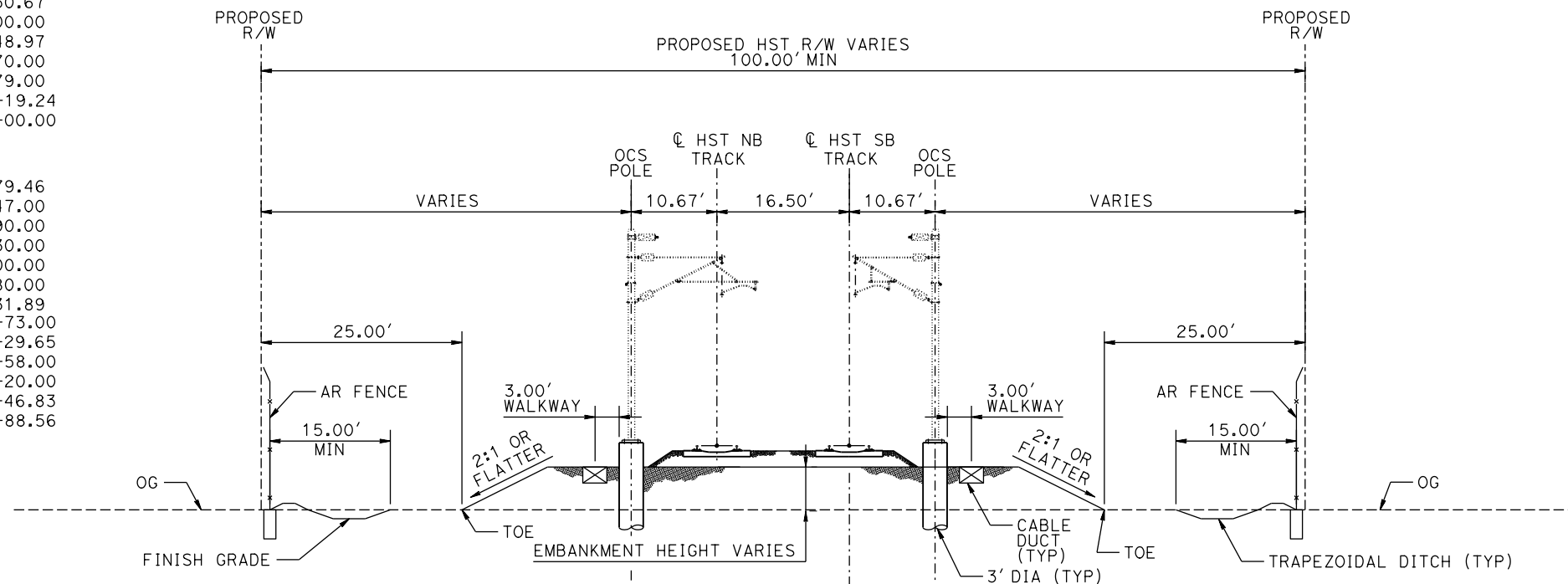
**SECTION A-A**

TANGENT

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

SUPERELEVATED

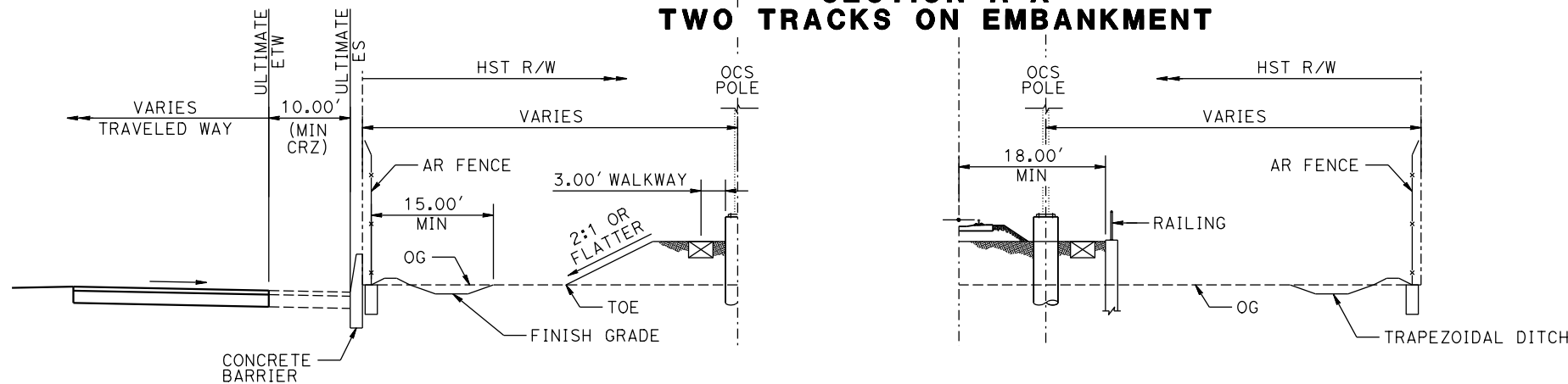
STATION SJD-FRE 5468+71.16 TO 5617+79.46  
 STATION SJD-FRE 5632+50.67 TO 5656+47.00  
 STATION SJD-FRE 5657+77.00 TO 5664+90.00  
 STATION SJD-FRE 5672+70.00 TO 5683+30.00  
 STATION SJD-FRE 5689+20.00 TO 5723+00.00  
 STATION SJD-FRE 5725+40.00 TO 5769+80.00  
 STATION SJD-FRE 6725+88.00 TO 7034+31.89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



**GENERAL TYPICAL SECTION NOTES:**

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

**SECTION A-A  
TWO TRACKS ON EMBAKMENT**



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

**SUBSECTION A-A  
HST WITH RETAINING WALL**

10-FEB-2016 09:14 MF-TT-B0020-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 1 OF 12

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0020-A

SCALE  
N.T.S.

SHEET NO.

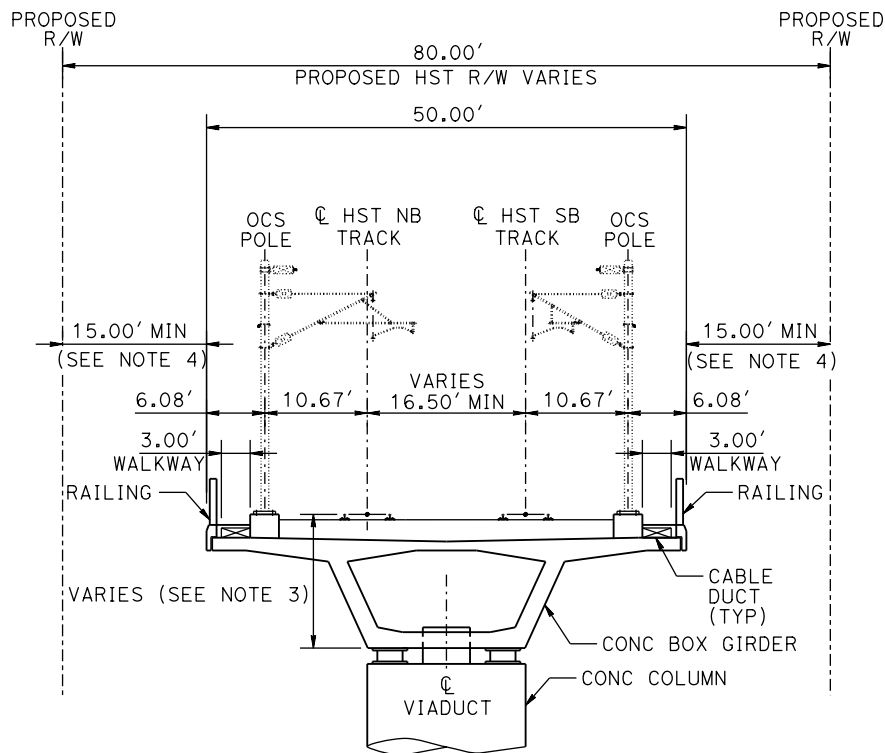
**SECTION B-B**

TANGENT

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

SUPERELEVATED

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



**NOTE:**

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

**SECTION B-B  
TWO TRACKS ON AERIAL STRUCTURE**

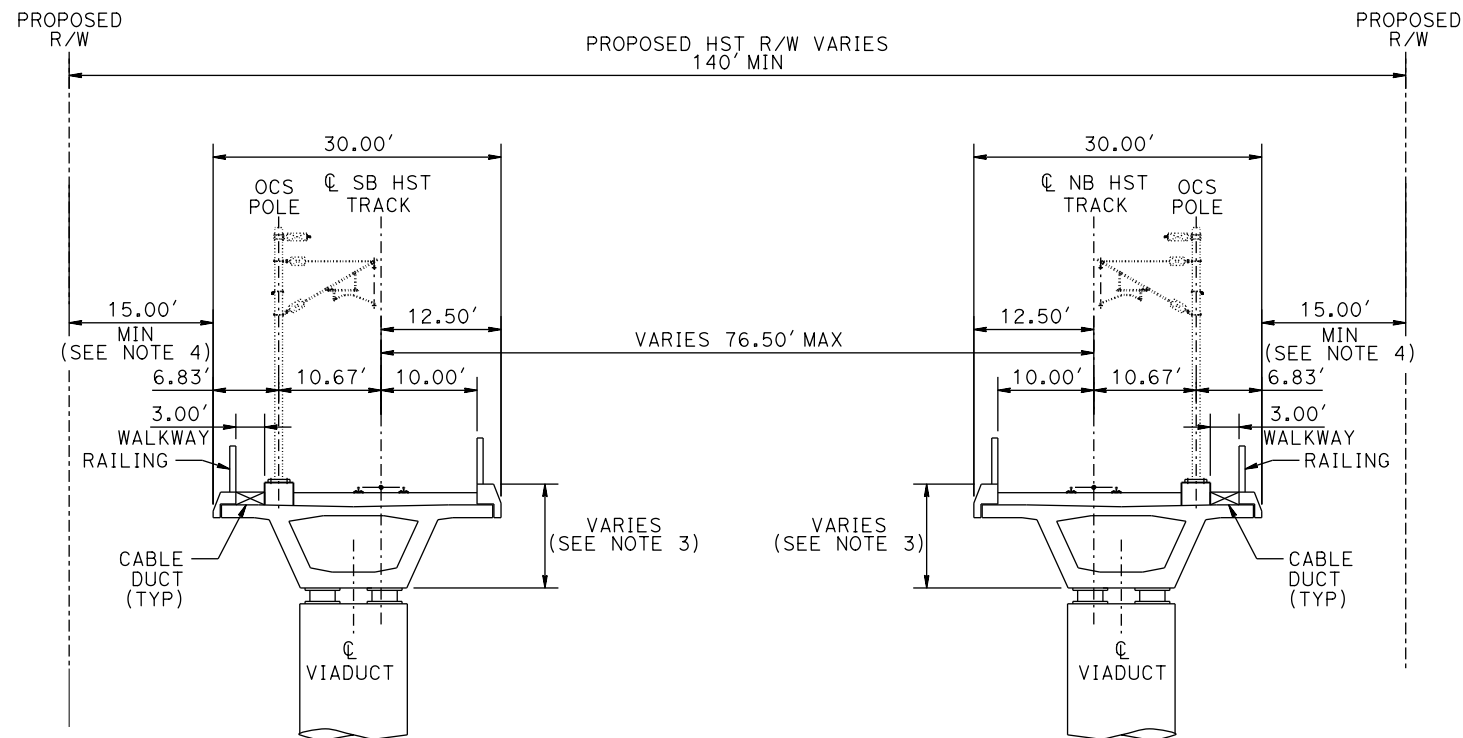
**SECTION C-C**

TANGENT

N/A

SUPERELEVATED

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



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

10-FEB-2016 09:15 MF-TT-B0021-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**N. OUM**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

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

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0021-A

SCALE  
N.T.S.

SHEET NO.



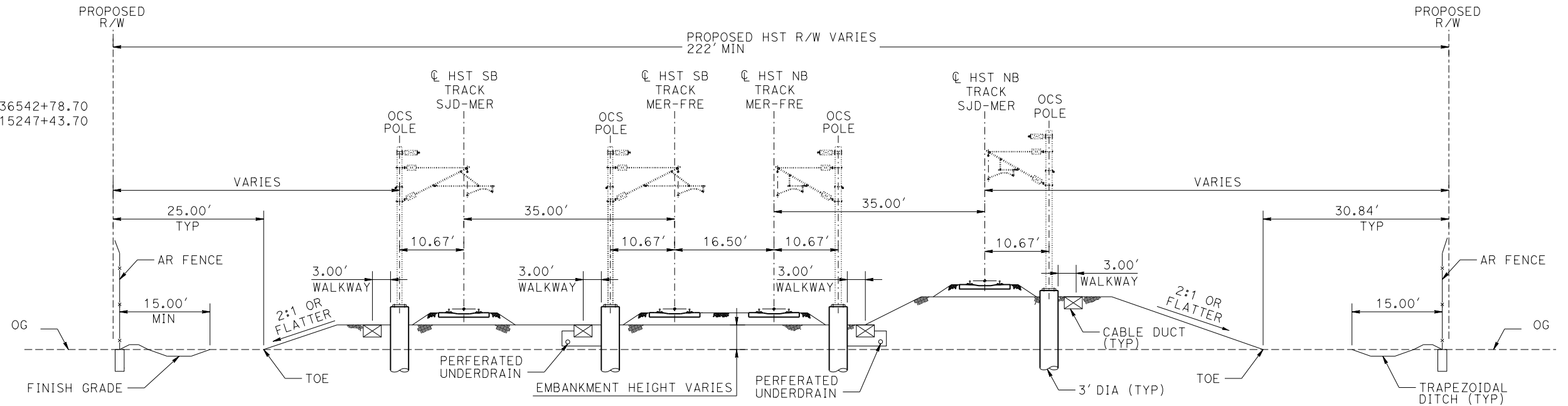
**SECTION F-F**

TANGENT

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

SUPERELEVATED

N/A



**SECTION F-F  
 FOUR TRACKS AT GRADE**

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

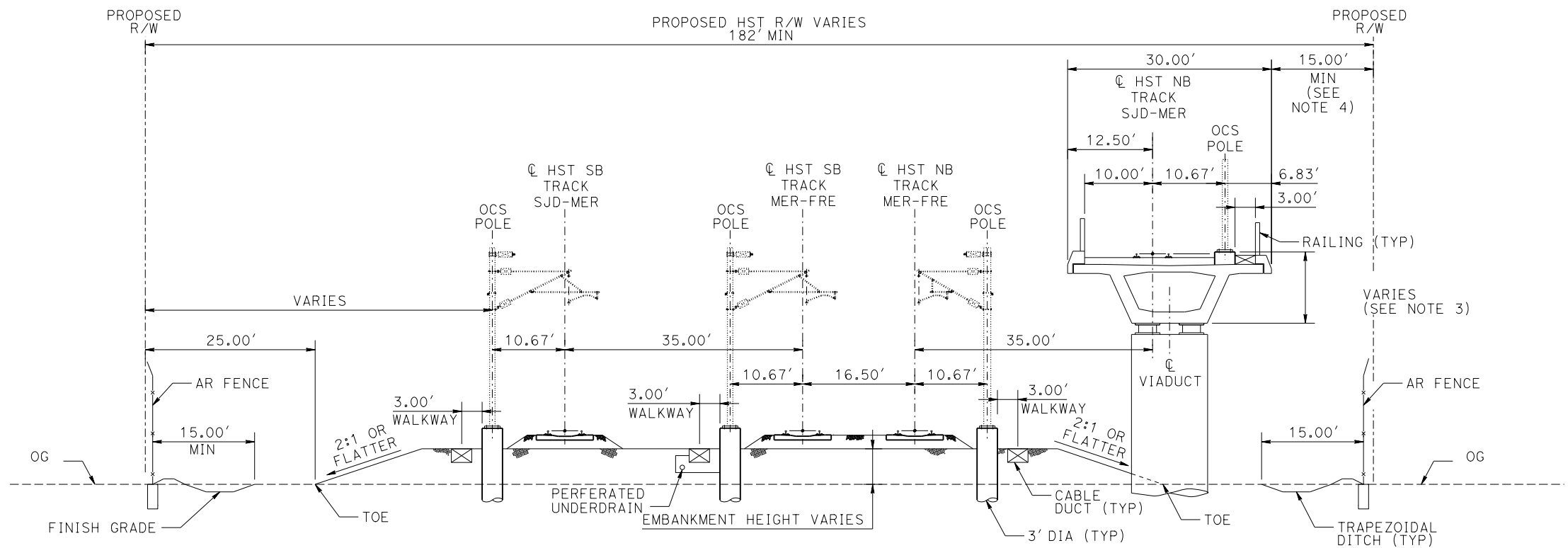
**SECTION G-G**

TANGENT

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

SUPERELEVATED

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



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

MF-TT-B0023-A.dgn  
 30-OCT-2015 01:52  
 P009448g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 4 OF 12

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0023-A

SCALE  
N.T.S.

SHEET NO.

### SECTION H-H

TANGENT

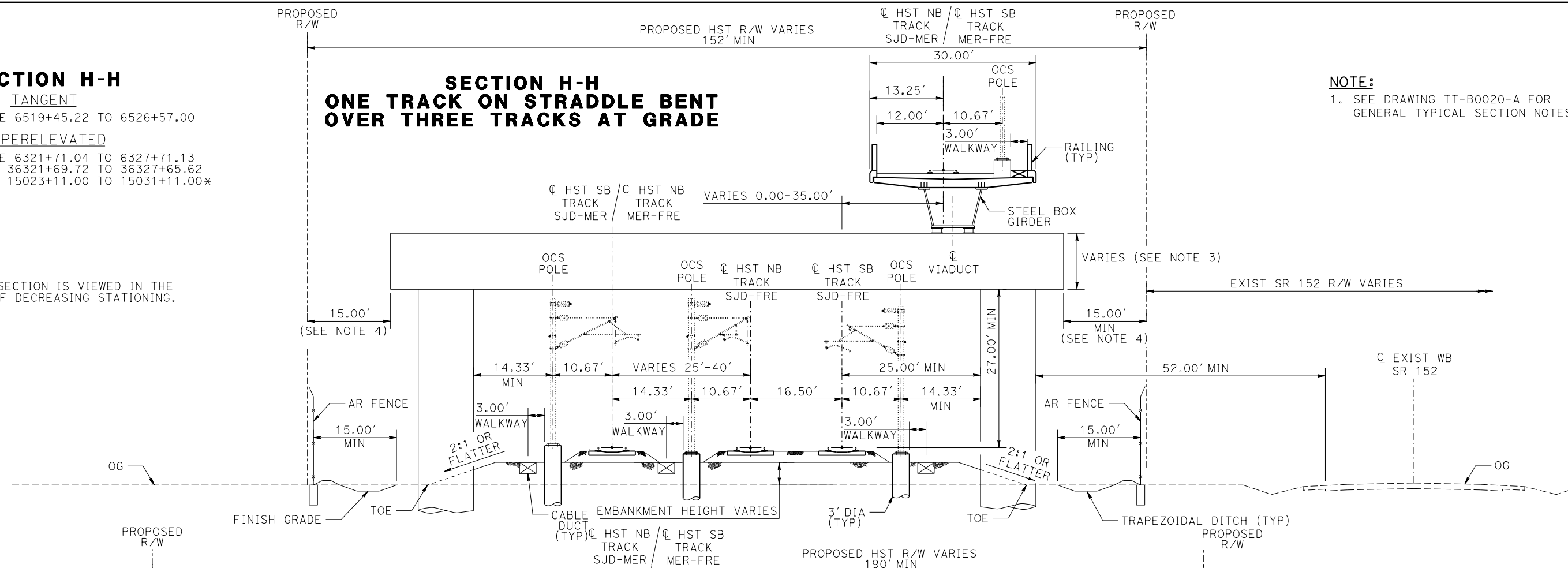
STATION SJD-FRE 6519+45.22 TO 6526+57.00

SUPERELEVATED

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

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

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



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

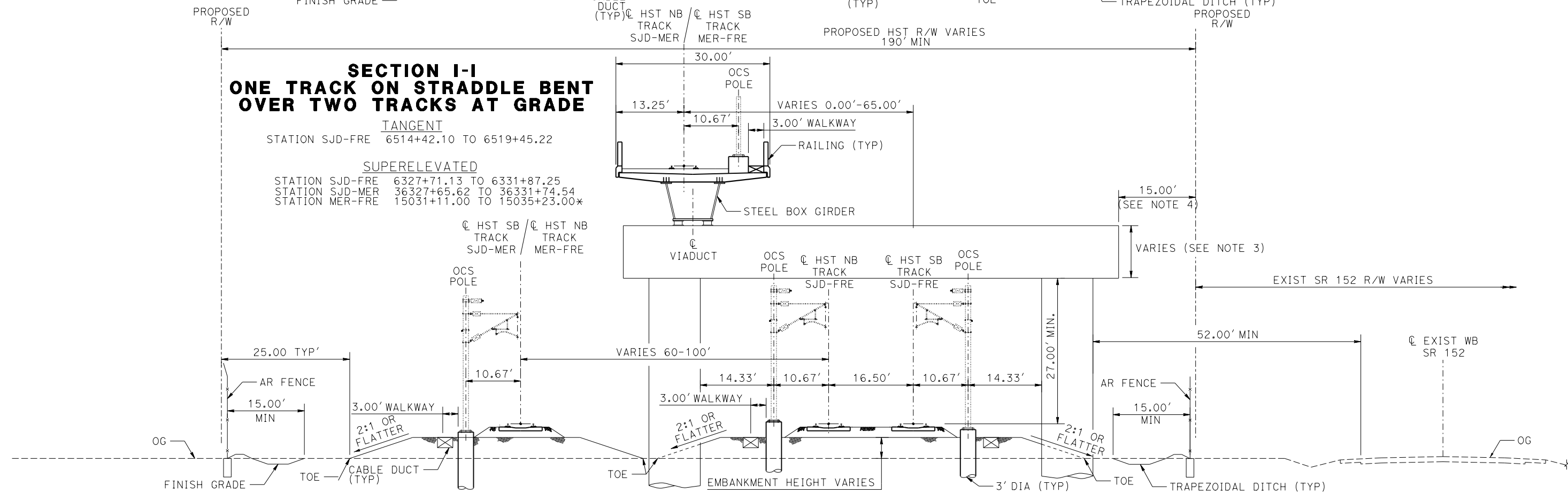
### SECTION I-I ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

TANGENT

STATION SJD-FRE 6514+42.10 TO 6519+45.22

SUPERELEVATED

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



MF-TT-B0024-A.dgn  
 26-OCT-2015 17:19  
 P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 5 OF 12

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0024-A

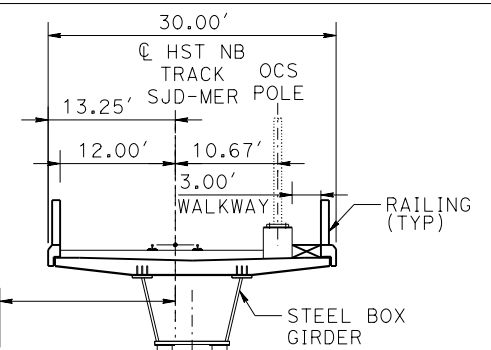
SCALE  
N.T.S.

SHEET NO.

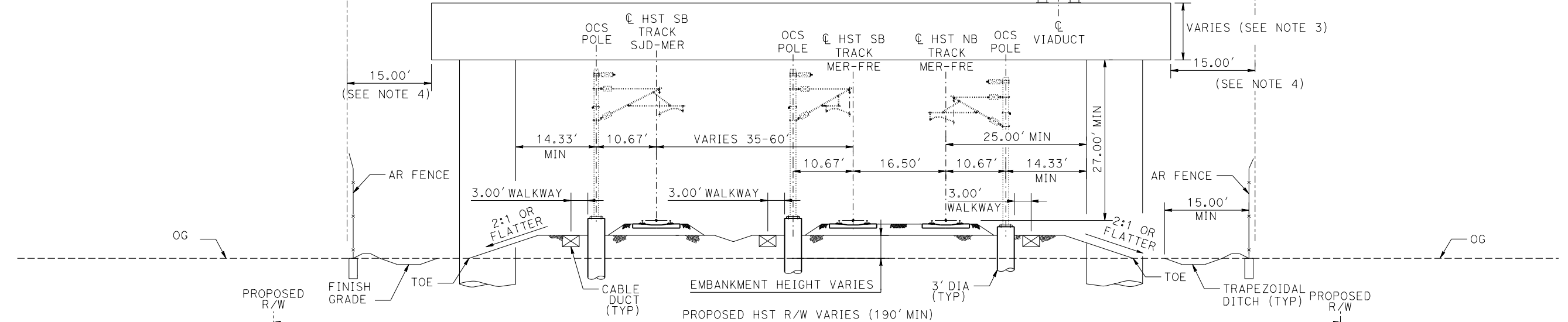
PROPOSED R/W  
 PROPOSED HST R/W VARIES 162' MIN  
 PROPOSED R/W

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

TANGENT  
 N/A  
 SUPERELEVATED  
 STATION SJD-MER 36478+80.72 TO 36481+79.35  
 STATION MER-FRE 15183+44.49 TO 15186+45.00

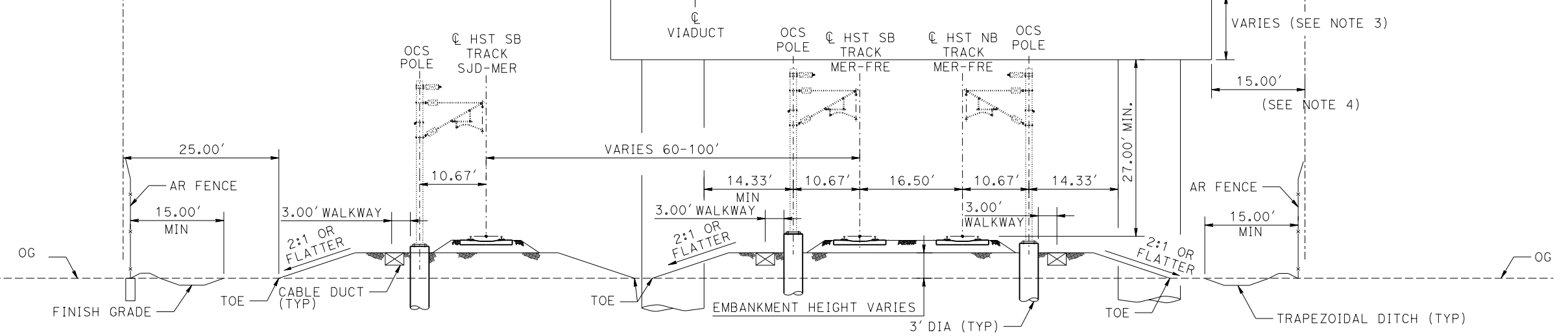
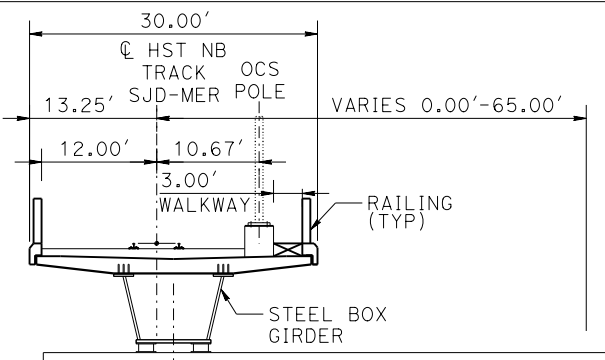


**NOTE:**  
 1. SEE DRAWING TT-B0020-A FOR  
 GENERAL TYPICAL SECTION NOTES.



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

TANGENT  
 N/A  
 SUPERELEVATED  
 STATION SJD-MER 36473+84.10 TO 36478+80.72  
 STATION MER-FRE 15178+42.14 TO 15183+44.49



MF-TT-B0025-A.dgn  
 29-OCT-2015 01:30  
 P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

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

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

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

**SECTION L-L**

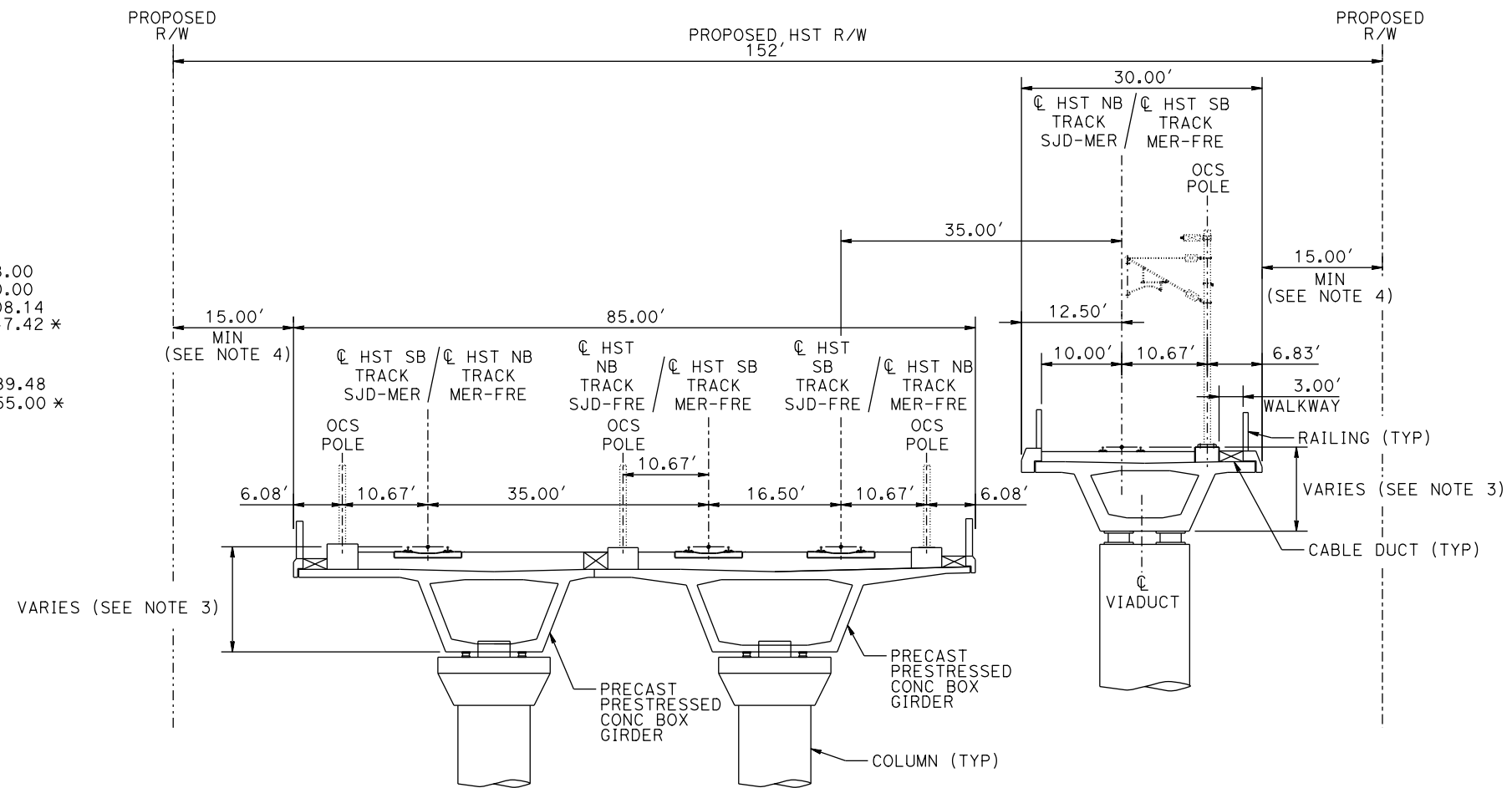
TANGENT

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

SUPERELEVATED

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

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



**SECTION L-L  
 FOUR TRACKS ON TWO AERIAL STRUCTURES**

16-MAR-2016 1:24 MF-TT-B0026-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

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

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

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

**SECTION M-M**

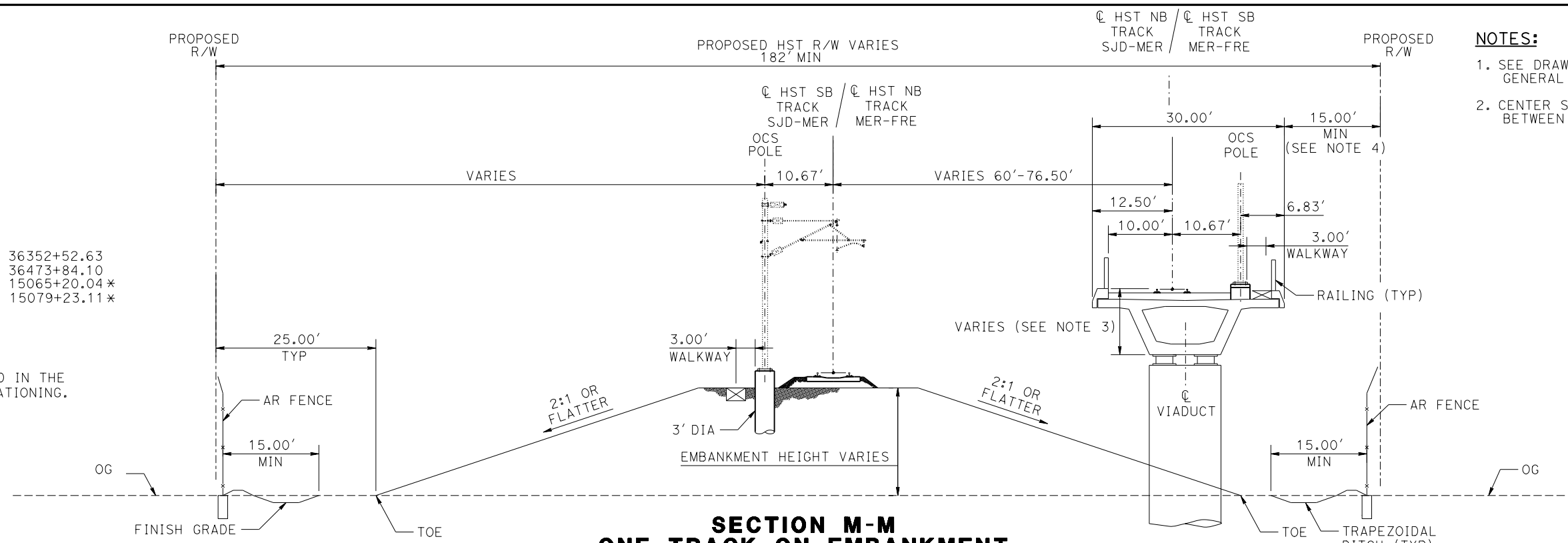
TANGENT

N/A

SUPERELEVATED

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

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



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

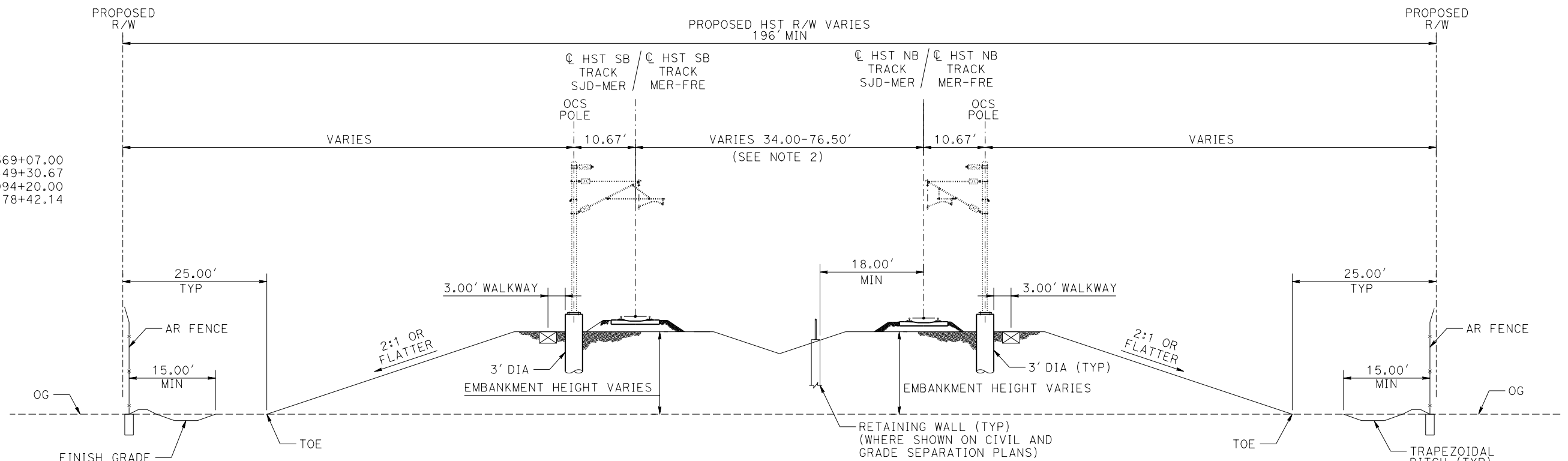
**SECTION N-N**

TANGENT

N/A

SUPERELEVATED

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



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

MF-TT-B0027-A.dgn  
26-OCT-2015 7:21  
P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

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

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0027-A

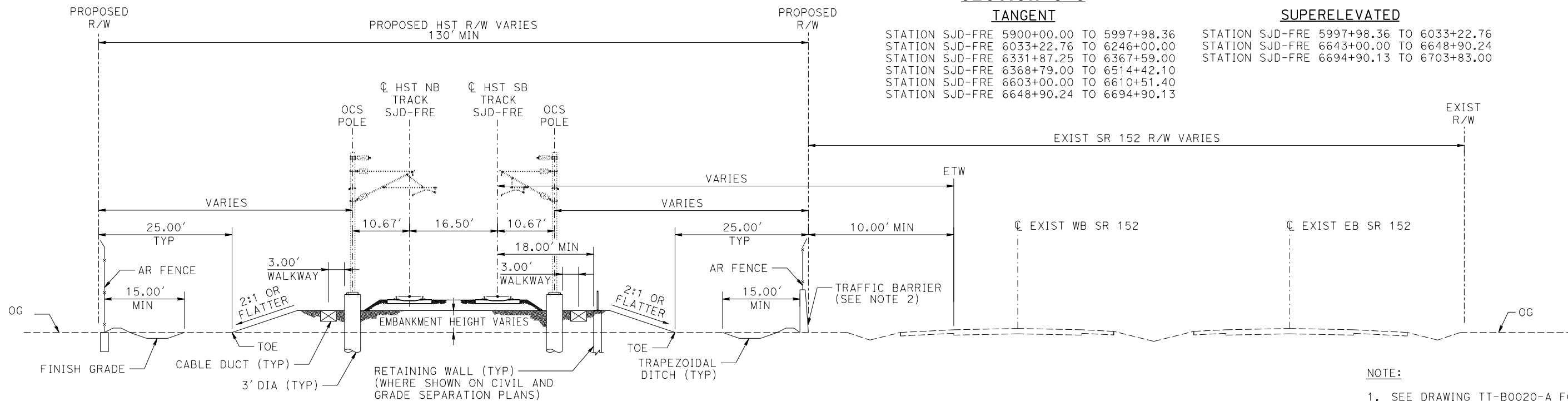
SCALE  
N.T.S.

SHEET NO.



**SECTION 0-0**

TANGENT		SUPERELEVATED	
STATION SJD-FRE	5900+00.00 TO 5997+98.36	STATION SJD-FRE	5997+98.36 TO 6033+22.76
STATION SJD-FRE	6033+22.76 TO 6246+00.00	STATION SJD-FRE	6643+00.00 TO 6648+90.24
STATION SJD-FRE	6331+87.25 TO 6367+59.00	STATION SJD-FRE	6694+90.13 TO 6703+83.00
STATION SJD-FRE	6368+79.00 TO 6514+42.10		
STATION SJD-FRE	6603+00.00 TO 6610+51.40		
STATION SJD-FRE	6648+90.24 TO 6694+90.13		



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

- NOTE:**
- SEE DRAWING TT-B0020-A FOR GENERAL TYPICAL SECTION NOTES.
  - FOR LOCATIONS WHERE 52' MINIMUM SEPARATION BETWEEN HIGHWAY'S ETW AND THE HST FENCE IS NOT ACHIEVABLE, A CONCRETE BARRIER WILL BE PROVIDED.

MF-TT-B0028-A.dgn  
 26-OCT-2015 7:22  
 P005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

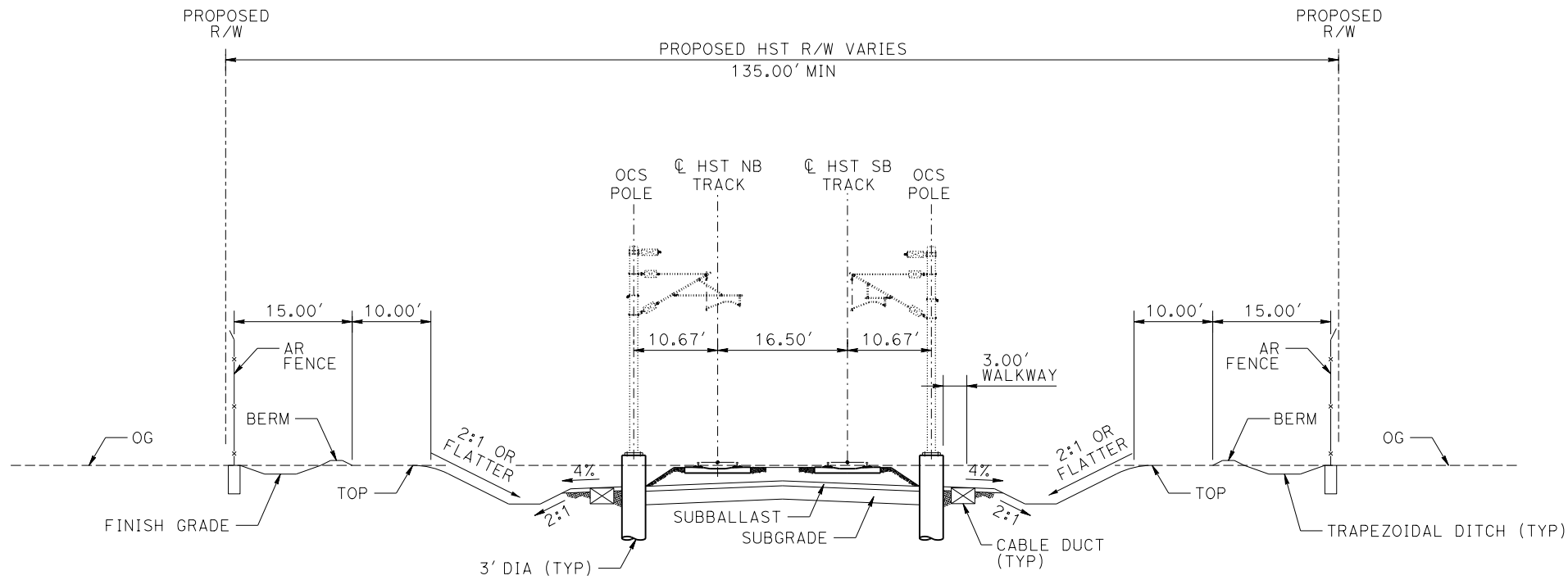


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 9 OF 12

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

MF-TT-B0029-A.dgn  
 26-OCT-2015 17:23  
 P005133g



**SECTION Q-Q  
TWO TRACKS IN CUT**

TANGENT  
N/A

SUPERELEVATED

STATION SJD-FRE 6610+51.40 TO 6643+00.00

**NOTE:**

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 10 OF 12

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

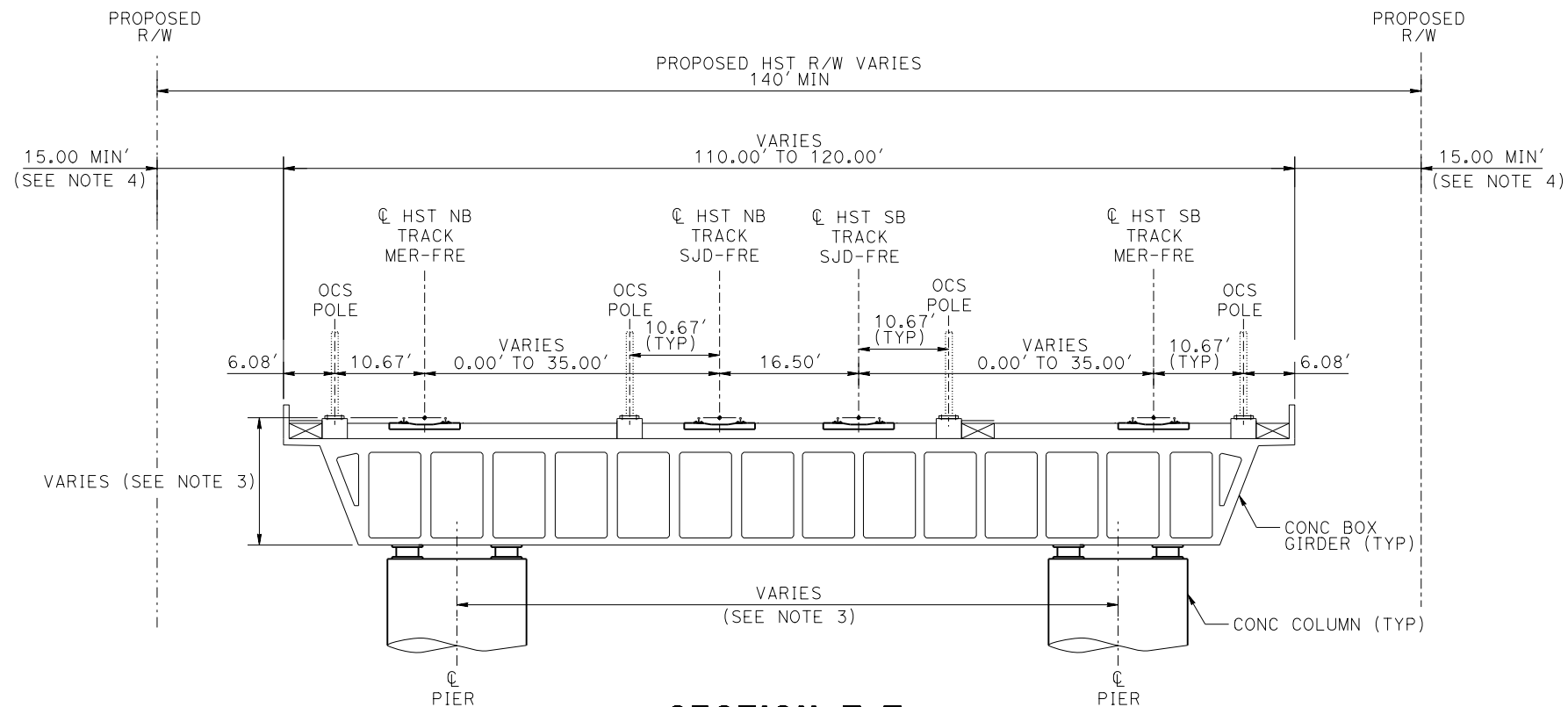
**NOTE:**  
 1. SEE DRAWING TT-B0020-A FOR  
 GENERAL TYPICAL SECTION NOTES.

**SECTION T-T**  
 TANGENT

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

SUPERELEVATED  
 N/A

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



**SECTION T-T**  
**FOUR TRACKS ON STRUCTURE**

MF-TT-B0030-A.dgn  
 29-OCT-2015 01:40  
 P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TYPICAL SECTION  
 SHEET 11 OF 12

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

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

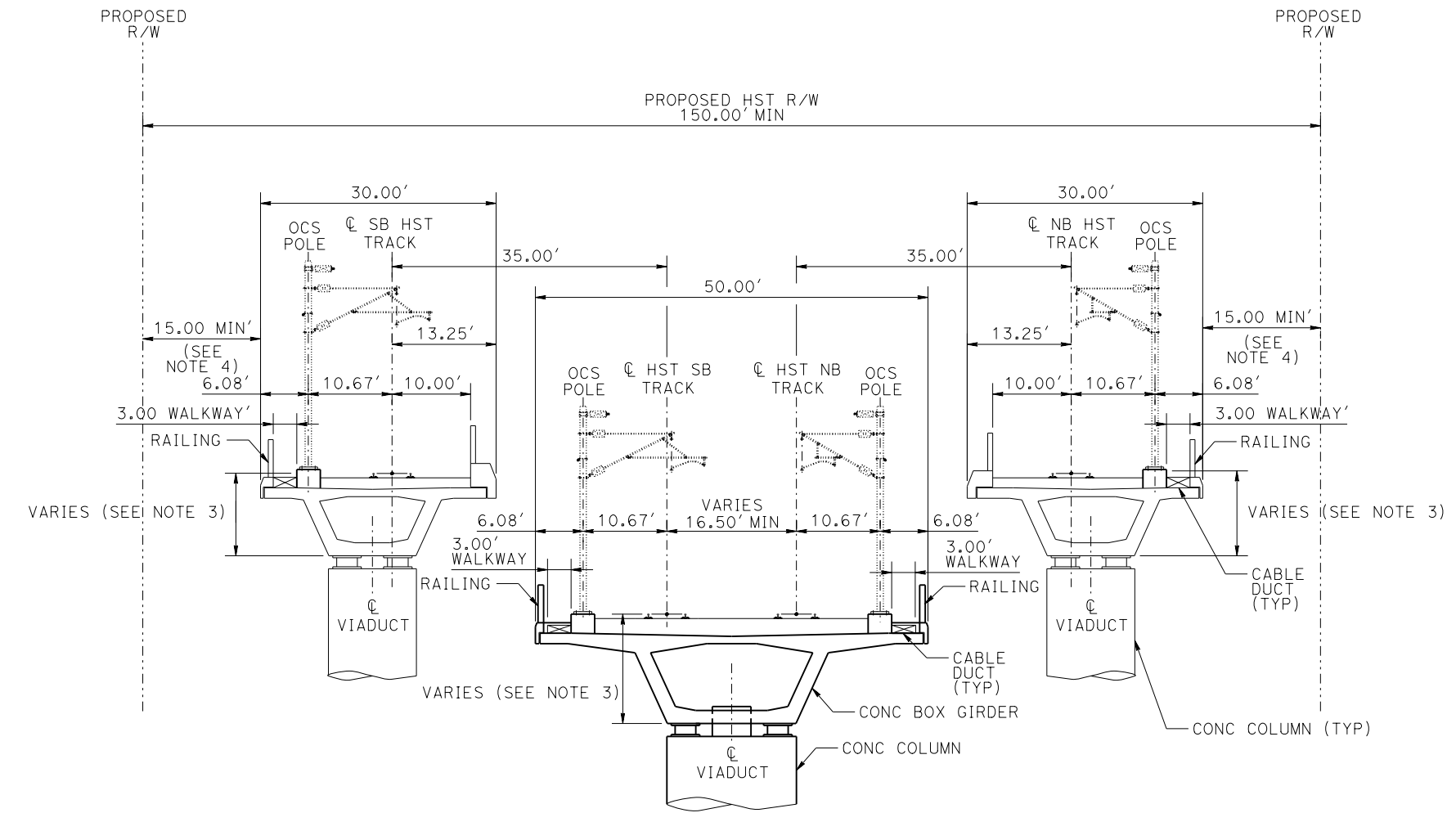
**SECTION U-U**

TANGENT

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

SUPERELEVATED

N/A



**SECTION U-U  
 FOUR TRACKS ON THREE STRUCTURES**

MF-TT-B0031-A.dgn  
 29-OCT-2015 01:40  
 P005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**10/30/2015**

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

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

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

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	5338+00.00	1858051.11	6509106.39		13,071.16							S 89°46'01" E			
	TANGENT	TS	5468+71.16	1857997.95	6522177.45												
152 N-13 SJD-FRE 1 SB	CLOTHOID	TS	5468+71.16	1857997.95	6522177.45												
	CLOTHOID	SPI	5479+71.18	1857993.48	6523277.46		1,650.00	1°03'01.52"	824.99	2.52					S 89°46'01" E	S 88°43'00" E	
	CLOTHOID	SC	5485+21.16	1857981.16	6523827.34												
	ARC	SC	5485+21.16	1857981.16	6523827.34												
	ARC	PI	5543+57.71	1857850.43	6529662.42	45,000.00	11,608.30	14°46'48.54"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E	
	ARC	CC		1812992.45	6522819.41												
	ARC	CS	5601+29.46	1856235.43	6535271.09												
	CLOTHOID	CS	5601+29.46	1856235.43	6535271.09												
	CLOTHOID	SPI	5606+79.48	1856083.24	6535799.63		1,650.00	1°03'01.52"	824.99	2.52						S 73°56'11" E	S 72°53'10" E
	CLOTHOID	ST	5617+79.46	1855759.53	6536850.94												
	TANGENT	ST	5617+79.46	1855759.53	6536850.94		1,471.20							S 72°53'10" E			
	TANGENT	TS	5632+50.67	1855326.60	6538257.00												
152 N-13 SJD-FRE 2 SB	CLOTHOID	TS	5632+50.67	1855326.60	6538257.00												
	CLOTHOID	SPI	5642+84.02	1855022.51	6539244.60		1,550.00	0°59'11.04"	774.99	2.22					S 72°53'10" E	S 73°52'21" E	
	CLOTHOID	SC	5648+00.67	1854878.99	6539740.94												
	ARC	SC	5648+00.67	1854878.99	6539740.94												
	ARC	PI	5706+82.43	1853245.16	6545391.23	45,016.50	11,697.26	14°53'16.63"			250	3.75	1.80		S 73°52'21" E	S 88°45'37" E	
	ARC	CC		1898123.88	6552245.52												
	ARC	CS	5764+97.92	1853117.92	6551271.61												
	CLOTHOID	CS	5764+97.92	1853117.92	6551271.61												
	CLOTHOID	SPI	5770+14.60	1853106.74	6551788.17		1,550.00	0°59'11.04"	774.99	2.22						S 88°45'37" E	S 89°44'48" E
	CLOTHOID	ST	5780+47.92	1853102.17	6552821.51												
	TANGENT	ST	5780+47.92	1853102.17	6552821.51		21,750.44							S 89°44'48" E			
	TANGENT	TS	5997+98.36	1853006.03	6574571.74												
152 N-13 SJD-FRE 3 SB	CLOTHOID	TS	5997+98.36	1853006.03	6574571.74										S 89°44'48" E	S 89°49'45" E	
	CLOTHOID	SPI	6005+65.03	1853002.64	6575338.40		1,150.00	0°04'56.49"	575	0.14							
	CLOTHOID	SC	6009+48.36	1853001.49	6575721.73												
	ARC	SC	6009+48.36	1853001.49	6575721.73												
	ARC	PI	6015+60.56	1852999.67	6576333.93	400,016.50	1,224.40	0°10'31.35"			250	0.50	0.12		S 89°49'45" E	N 89°59'44" E	
	ARC	CC		2253016.21	6576914.92												
	ARC	CS	6021+72.76	1852999.72	6576946.13												
	CLOTHOID	CS	6021+72.76	1852999.72	6576946.13												
	CLOTHOID	SPI	6025+56.10	1852999.75	6577329.46		1,150.00	0°04'56.49"	575	0.14						N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.76	1853000.91	6578096.13												

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA  
SHEET 1 OF 7

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

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	ST	6033+22.76	1853000.91	6578096.13		26,412.96							N 89°54'47" E			
	TANGENT	TS	6297+35.73	1853040.94	6604509.06												
152 N-13 SJD-FRE 4 SB	CLOTHOID	TS	6297+35.73	1853040.94	6604509.06												
	CLOTHOID	SPI	6305+02.39	1853042.10	6605275.73		1,150.00	0°06'04.91"	575	0.17					N 89°54'47" E	N 89°48'43" E	
	CLOTHOID	SC	6308+85.73	1853043.36	6605659.06												
	ARC	SC	6308+85.73	1853043.36	6605659.06												
	ARC	PI	6314+61.49	1853045.25	6606234.82	325,016.50	1,151.53	0°12'10.79"			250	0.50	0.27		N 89°48'43" E	N 89°36'32" E	
	ARC	CC		2178058.10	6604591.51												
	ARC	CS	6320+37.25	1853049.18	6606810.57												
	CLOTHOID	CS	6320+37.25	1853049.18	6606810.57												
	CLOTHOID	SPI	6324+20.59	1853051.80	6607193.90		1,150.00	0°06'04.91"	575	0.17					N 89°36'32" E	N 89°30'27" E	
	CLOTHOID	ST	6331+87.25	1853058.39	6607960.53												
	TANGENT	ST	6331+87.25	1853058.39	6607960.53		27,864.15							N 89°30'27" E			
	TANGENT	TS	6610+51.40	1853297.92	6635823.65												
152 N-13 SJD-FRE 5 SB	CLOTHOID	TS	6610+51.40	1853297.92	6635823.65												
	CLOTHOID	SPI	6618+18.07	1853304.51	6636590.29		1,150.00	0°32'56"	575	0.92					N 89°30'27" E	N 88°57'31" E	
	CLOTHOID	SC	6622+01.40	1853311.48	6636973.57												
	ARC	SC	6622+01.40	1853311.48	6636973.57												
	ARC	PI	6629+70.86	1853325.47	6637742.90	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		1913318.07	6635882.68												
	ARC	CS	6637+40.24	1853359.17	6638511.62												
	CLOTHOID	CS	6637+40.24	1853359.17	6638511.62												
	CLOTHOID	SPI	6641+23.58	1853375.96	6638894.59		1,150.00	0°32'56"	575	0.92					N 87°29'22" E	N 86°56'26" E	
	CLOTHOID	ST	6648+90.24	1853416.88	6639660.17												
	TANGENT	ST	6648+90.24	1853416.88	6639660.17		4,599.89							N 86°56'26" E			
	TANGENT	TS	6694+90.13	1853662.39	6644253.51												
152 N-13 SJD-FRE 6 SB	CLOTHOID	TS	6694+90.13	1853662.39	6644253.51												
	CLOTHOID	SPI	6706+56.83	1853724.66	6645418.54		1,750.00	1°19'10"	874.98	3.36					N 86°56'26" E	N 88°15'35" E	
	CLOTHOID	SC	6712+40.13	1853742.38	6646001.64												
	ARC	SC	6712+40.13	1853742.38	6646001.64												
	ARC	PI	6873+30.89	1854231.01	6662084.97	38,000.00	30,441.76	45°53'58"			250	4.25	2.33		N 88°15'35" E	N 45°50'26" E	
	ARC	CC		1815759.91	6647155.60												
	ARC	CS	7016+81.89	1843021.28	6673628.56												
	CLOTHOID	CS	7016+81.89	1843021.28	6673628.56												
	CLOTHOID	SPI	7022+65.25	1842614.87	6674047.06		1,750.00	1°19'10"	874.98	3.36					N 45°50'26" E	S 44°31'17" E	
	CLOTHOID	ST	7034+31.89	1841783.03	6674865.12												

10-FEB-2016 09:17 MF-TT-B0051-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA  
SHEET 2 OF 7

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

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	7034+31.89	1841783.03	6674865.12		13,660.73							S 44°31'17" E		
	TANGENT	POE	7170+92.61	1832043.07	6684443.67											

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	5338+00.00	1858067.61	6509106.46		13,071.16							S 89°46'01" E			
	TANGENT	TS	5468+71.16	1858014.45	6522177.51												
152 N-13 SJD-FRE 1 NB	CLOTHOID	TS	5468+71.16	1858014.45	6522177.51												
	CLOTHOID	SPI	5479+71.18	1858009.98	6523277.52		1,650.00	1°03'00"	824.99	2.52					S 89°46'01" E	S 88°43'00" E	
	CLOTHOID	SC	5485+21.16	1857997.66	6523827.40												
	ARC	SC	5485+21.16	1857997.66	6523827.40												
	ARC	PI	5543+60.16	1857866.92	6529664.94	45,016.50	11,613.16	14°46'51"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E	
	ARC	CC		1812992.45	6522819.41												
	ARC	CS	5601+34.33	1856251.21	6535275.95												
	CLOTHOID	CS	5601+34.33	1856251.21	6535275.95												
	CLOTHOID	SPI	5606+84.34	1856099.01	6535804.49		1,650.00	1°03'00"	824.99	2.52					S 73°56'11" E	S 72°53'10" E	
	CLOTHOID	ST	5617+84.33	1855775.30	6536855.80												
	TANGENT	ST	5617+84.33	1855775.30	6536855.80		1,471.20							S 72°53'10" E			
	TANGENT	TS	5632+55.53	1855342.37	6538261.86												
152 N-13 SJD-FRE 2 NB	CLOTHOID	TS	5632+55.53	1855342.37	6538261.86												
	CLOTHOID	SPI	5642+88.88	1855038.28	6539249.45		1,550.00	0°59'12"	774.99	2.22					S 72°53'10" E	S 73°52'22" E	
	CLOTHOID	SC	5648+05.53	1854894.76	6539745.80												
	ARC	SC	5648+05.53	1854894.76	6539745.80												
	ARC	PI	5706+84.84	1853261.65	6545393.75	45,000.00	11,692.40	14°53'14"			250	3.75	1.80		S 73°52'22" E	S 88°45'36" E	
	ARC	CC		1898123.88	6552245.52												
	ARC	CS	5764+97.93	1853134.42	6551271.69												
	CLOTHOID	CS	5764+97.93	1853134.42	6551271.69												
	CLOTHOID	SPI	5770+14.61	1853123.24	6551788.25		1,550.00	0°59'12"	774.99	2.22					S 88°45'36" E	S 89°44'48" E	
	CLOTHOID	ST	5780+47.93	1853118.67	6552821.59												
	TANGENT	ST	5780+47.93	1853118.67	6552821.59		21,750.44							S 89°44'48" E			
	TANGENT	TS	5997+98.37	1853022.53	6574571.81												
153 N-13 SJD-FRE 3 NB	CLOTHOID	TS	5997+98.37	1853022.53	6574571.81										S 89°44'48" E	S 89°49'45" E	
	CLOTHOID	SPI	6005+65.03	1853019.14	6575338.47		1,150.00	0°04'57"	575.00	0.14							
	CLOTHOID	SC	6009+48.37	1853017.99	6575721.80												

29-OCT-2015 01:42 MF-TT-B0052-A.dgn

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA  
SHEET 3 OF 7

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

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
152 N-13 SJD-FRE 3 NB	ARC	SC	6009+48.37	1853017.99	6575721.80											
	ARC	PI	6015+60.52	1853016.17	6576333.95	400,000.00	1,224.31	0°10'31"			250	0.50	0.12		S 89°49'45" E	N 89°59'44" E
	ARC	CC		2253016.21	6576914.92											
	ARC	CS	6021+72.67	1853016.22	6576946.11											
	CLOTHOID	CS	6021+72.67	1853016.22	6576946.11											
	CLOTHOID	SPI	6025+56.01	1853016.25	6577329.44		1,150.00	0°04'57"	575.00	0.14					N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.67	1853017.41	6578096.11											
	TANGENT	ST	6033+22.67	1853017.41	6578096.11		26,412.96							N 89°54'47" E		
	TANGENT	TS	6297+35.64	1853057.44	6604509.04											
152 N-13 SJD-FRE 4 NB	CLOTHOID	TS	6297+35.64	1853057.44	6604509.04											
	CLOTHOID	SPI	6305+02.30	1853058.60	6605275.70		1,150.00	0°06'05"	575.00	0.17					N 89°54'47" E	N 89°48'43" E
	CLOTHOID	SC	6308+85.64	1853059.86	6605659.04											
	ARC	SC	6308+85.64	1853059.86	6605659.04											
	ARC	PI	6314+61.34	1853061.75	6606234.74	325,000.00	1,151.41	0°12'11"			250	0.50	0.27		N 89°48'43" E	N 89°36'32" E
	ARC	CC		2178058.10	6604591.51											
	ARC	CS	6320+37.04	1853065.68	6606810.43											
	CLOTHOID	CS	6320+37.04	1853065.68	6606810.43											
	CLOTHOID	SPI	6324+20.38	1853068.30	6607193.75		1,150.00	0°06'05"	575.00	0.17					N 89°36'32" E	N 89°30'27" E
	CLOTHOID	ST	6331+87.04	1853074.89	6607960.39											
	TANGENT	ST	6331+87.04	1853074.89	6607960.39		27,864.15							N 89°30'27" E		
	TANGENT	TS	6610+51.19	1853314.42	6635823.51											
152 N-13 SJD-FRE 5 NB	CLOTHOID	TS	6610+51.19	1853314.42	6635823.51											
	CLOTHOID	SPI	6618+17.86	1853321.01	6636590.15		1,150.00	0°32'57"	575.00	0.92					N 89°30'27" E	N 88°57'31" E
	CLOTHOID	SC	6622+01.19	1853327.98	6636973.43											
	ARC	SC	6622+01.19	1853327.98	6636973.43											
	ARC	PI	6629+70.28	1853341.96	6637742.39	60,000.00	1,538.10	1°28'08"			250	2.75	1.42		N 88°57'31" E	N 87°29'22" E
	ARC	CC		1913318.07	6635882.68											
	ARC	CS	6637+39.29	1853375.65	6638510.74											
	CLOTHOID	CS	6637+39.29	1853375.65	6638510.74											
	CLOTHOID	SPI	6641+22.63	1853392.44	6638893.71		1,150.00	0°32'57"	575.00	0.92					N 87°29'22" E	N 86°56'26" E
	CLOTHOID	ST	6648+89.29	1853433.36	6639659.29											
	TANGENT	ST	6648+89.29	1853433.36	6639659.29		4,599.89							N 86°56'26" E		
	TANGENT	POE	6694+89.18	1853678.87	6644252.63											
152 N 13 SJD-FRE 6 NB	CLOTHOID	TS	6694+89.18	1853678.87	6644252.63											
	CLOTHOID	SPI	6706+55.88	1853741.14	6645417.66		1,750.00	1°19'07"	874.98	3.36					N 86°56'26" E	N 88°15'35" E
	CLOTHOID	SC	6712+39.18	1853758.86	6646000.76											

29-OCT-2015 01:30 MF-TT-B0053-A.dgn

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

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

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-B0053-A

SCALE  
N.T.S.

SHEET NO.



TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
152 N-13 SJD-FRE 6 NB	ARC	SC	6712+39.18	1853758.86	6646000.76											
	ARC	PI	6873+37.38	1854247.88	6662091.52	38,016.50	30,455.73	45°54'03"			250	4.25	2.33		N 88°15'35" E	N 45°50'26" E
	ARC	CC		1815759.91	6647155.60											
	ARC	CS	7016+94.92	1843032.85	6673640.32											
	CLOTHOID	CS	7016+94.92	1843032.85	6673640.32											
	CLOTHOID	SPI	7022+78.28	1842626.44	6674058.83		1,750.00	1°19'07"	874.98	3.36					N 45°50'26" E	S 44°31'17" E
	CLOTHOID	ST	7034+44.92	1841794.60	6674876.89											
TANGENT	ST	7034+44.92	1841794.60	6674876.89		13,660.73								S 44°31'17" E		
TANGENT	POE	7170+92.61	1832054.64	6684455.44												

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK MERCED TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	14968+34.63	1853237.83	6632905.45		4,729.36							S 89°30'27" W		
	TANGENT	TS	15015+64.00	1853197.18	6628176.26											
152 N-13 MER-FRE 1 SB	CLOTHOID	TS	15015+64.00	1853197.18	6628176.26											
	CLOTHOID	SPI	15025+64.27	1853188.58	6627176.02		1,500.00	4°09'07"	749.87	9.06				S 89°30'27" W	N 86°20'26" W	
	CLOTHOID	SC	15030+64.00	1853220.51	6626676.79											
	ARC	SC	15030+64.00	1853220.51	6626676.79											
	ARC	PI	15120+55.85	1853794.40	6617703.27	10,350.00	14,806.61	81°58'00"				150	6.00	2.70	N 86°20'26" W	N 4°22'26" W
	ARC	CC		1863549.41	6627337.37											
	ARC	CS	15178+70.61	1862760.07	6617017.51											
CLOTHOID	CS	15178+70.61	1862760.07	6617017.51												
CLOTHOID	SPI	15183+70.86	1863258.86	6616979.36		1,500.00	4°09'07"	749.87	9.06					N 4°22'26" W	N 0°13'19" W	
CLOTHOID	ST	15193+70.61	1864259.13	6616975.48												
TANGENT	ST	15193+70.61	1864259.13	6616975.48		5,918.63								N 0°13'19" W		
TANGENT	TS	15253+19.24	1870207.72	6616952.43												
152 N-13 MER-FRE 2 SB	CLOTHOID	TS	15253+19.24	1870207.72	6616952.43											
	CLOTHOID	SPI	15268+19.35	1871707.82	6616946.62		2,250.00	2°08'55"	1,124.95	7.03				N 0°13'19" W	N 2°22'14" W	
	CLOTHOID	SC	15275+69.24	1872457.28	6616915.59											
	ARC	SC	15275+69.24	1872457.28	6616915.59											
	ARC	PI	15385+02.71	1883381.39	6616463.35	30,000.00	20,969.31	40°02'54"				250	5.75	2.58	N 2°22'14" W	N 42°25'09" W
	ARC	CC		1871216.38	6586941.27											
	ARC	CS	15485+38.56	1891452.82	6609088.20											
CLOTHOID	CS	15485+38.56	1891452.82	6609088.20												
CLOTHOID	SPI	15492+88.66	1892006.56	6608582.23		2,250.00	2°08'55"	1,124.95	7.03					N 42°25'09" W	N 44°34'03" W	
CLOTHOID	ST	15507+88.56	1893075.28	6607529.52												
TANGENT	ST	15507+88.56	1893075.28	6607529.52		14,711.44								N 44°34'03" W		
TANGENT	POE	15655+00.00	1903556.04	6597205.75												

10-FEB-2016 09:17 MF-TT-B0054-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
SB TRACK MERCED TO FRESNO GEOMETRY DATA  
SHEET 5 OF 7

CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-B0054-A  
SCALE  
N.T.S.  
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK MERCED TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	ST	24965+89.35	1853316.95	6633209.12		5,067.04							N 89°30'27" W			
	TANGENT	TS	25016+56.38	1853273.39	6628142.27												
152 N-13 MER-FRE 1 NB	CLOTHOID	TS	25016+56.38	1853273.39	6628142.27												
	CLOTHOID	SPI	25026+56.66	1853264.79	6627142.03		1,500.00	4°10'19"	749.87	9.10					S 89°30' 27" W	N 86°19'14" W	
	CLOTHOID	SC	25031+56.38	1853296.89	6626642.81												
	ARC	SC	25031+56.38	1853296.89	6626642.81												
	ARC	PI	25120+98.44	1853870.75	6617719.18	10,300.00	14,727.84	81°55'35"				150	6.00	2.74		N 86°19'14" W	N 4°23'39" W
	ARC	CC		1863575.66	6627303.81												
	ARC	CS	25178+84.22	1862786.52	6617034.08												
	CLOTHOID	CS	25178+84.22	1862786.52	6617034.08												
	CLOTHOID	SPI	25183+84.47	1863285.31	6616995.76		1,500.00	4°10'19"	749.87	9.10						N 4°23'39" W	N 0°13'19" W
	CLOTHOID	ST	25193+84.22	1864285.58	6616991.88												
	TANGENT	ST	25193+84.22	1864285.58	6616991.88		5,922.25								N 0°13'19" W		
	TANGENT	TS	25253+06.47	1870207.78	6616968.93												
152 N-13 MER-FRE 2 NB	CLOTHOID	TS	25253+06.47	1870207.78	6616968.93												
	CLOTHOID	SPI	25268+06.58	1871707.88	6616963.12		2,250.00	2°08'51"	1,124.95	7.03					N 0°13'19" W	N 2°22'10" W	
	CLOTHOID	SC	25275+56.47	1872457.34	6616932.11												
	ARC	SC	25275+56.47	1872457.34	6616932.11												
	ARC	PI	25384+96.65	1883388.17	6616479.81	30,016.50	20,982.08	40°03'03"				250	5.75	2.58		N 2°22'10" W	N 42°25'13" W
	ARC	CC		1871216.38	6586941.27												
	ARC	CS	25485+38.55	1891464.40	6609099.97												
	CLOTHOID	CS	25485+38.55	1891464.40	6609099.97												
	CLOTHOID	SPI	25492+88.65	1892018.14	6608593.98		2,250.00	2°08'51"	1,124.95	7.03						N 42°25'13" W	N 44°34'03" W
	CLOTHOID	ST	25507+88.55	1893086.85	6607541.28												
	TANGENT	ST	25507+88.55	1893086.85	6607541.28		14,711.45								N 44°34'03" W		
	TANGENT	POE	25655+00.00	1903567.62	6597217.51												

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
NB TRACK MERCED TO FRESNO GEOMETRIC DATA  
SHEET 6 OF 7

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

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO MERCED

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	ST	36264+63.11	1853077.48	6601236.24		4,664.18							N 89°54'47" E			
	TANGENT	TS	36311+27.28	1853084.54	6605900.41												
152 N-13 SJD-MER 1 SB	CLOTHOID	TS	36311+27.28	1853084.54	6605900.41												
	CLOTHOID	SPI	36321+27.56	1853086.06	6606900.69		1,500.00	4°10'19"	749.87	9.10					N 89°54'47" E	N 85°44'28" E	
	CLOTHOID	SC	36326+27.28	1853123.21	6607399.56												
	ARC	SC	36326+27.28	1853123.21	6607399.56												
	ARC	PI	36415+48.03	1853785.69	6616295.67	10,300.00	14,703.50	81°47'28"				150	6.00	2.74		N 85°44'28" E	N 3°57'00" E
	ARC	CC		1863394.77	6606634.66												
	ARC	CS	36473+30.79	1862685.24	6616910.19												
	CLOTHOID	CS	36473+30.79	1862685.24	6616910.19												
	CLOTHOID	SPI	36478+31.04	1863184.31	6616944.65		1,500.00	4°10'19"	749.87	9.10						N 3°57'00" E	N 0°13'19" W
	CLOTHOID	ST	36488+30.79	1864184.58	6616940.77												
	TANGENT	ST	36488+30.79	1864184.58	6616940.77		3,280.30								N 0°13'19" W		
	TANGENT	TS	36521+11.09	1867464.85	6616928.06												

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO MERCED

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	ST	46267+67.61	1853001.44	6601540.61		4,369.99							N 89°54'47" E			
	TANGENT	TS	46311+37.61	1853008.06	6605910.59												
152 N-13 SJD-MER 1 NB	CLOTHOID	TS	46311+37.61	1853008.06	6605910.59												
	CLOTHOID	SPI	46321+37.88	1853009.58	6606910.87		1,500.00	4°08'29"	749.87	9.03					N 89°54'47" E	N 85°46'19" E	
	CLOTHOID	SC	46326+37.61	1853046.46	6607409.75												
	ARC	SC	46326+37.61	1853046.46	6607409.75												
	ARC	PI	46416+34.36	1853709.76	6616382.02	10,376.50	14,823.85	81°51'10"				150	6.00	2.67		N 85°46'19" E	N 3°55'09" E
	ARC	CC		1863394.72	6606644.72												
	ARC	CS	46474+61.46	1862685.48	6616996.96												
	CLOTHOID	CS	46474+61.46	1862685.48	6616996.96												
	CLOTHOID	SPI	46479+61.71	1863184.56	6617031.15		1,500.00	4°08'29"	749.87	9.03						N 3°55'09" E	N 0°13'19" W
	CLOTHOID	ST	46489+61.46	1864184.82	6617027.27												
	TANGENT	ST	46489+61.46	1864184.82	6617027.27		3,280.38								N 0°13'19" W		
	TANGENT	TS	46522+41.84	1867465.18	6617014.56												

MF-TT-B0056-A.dgn  
29-OCT-2015 01:43  
P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

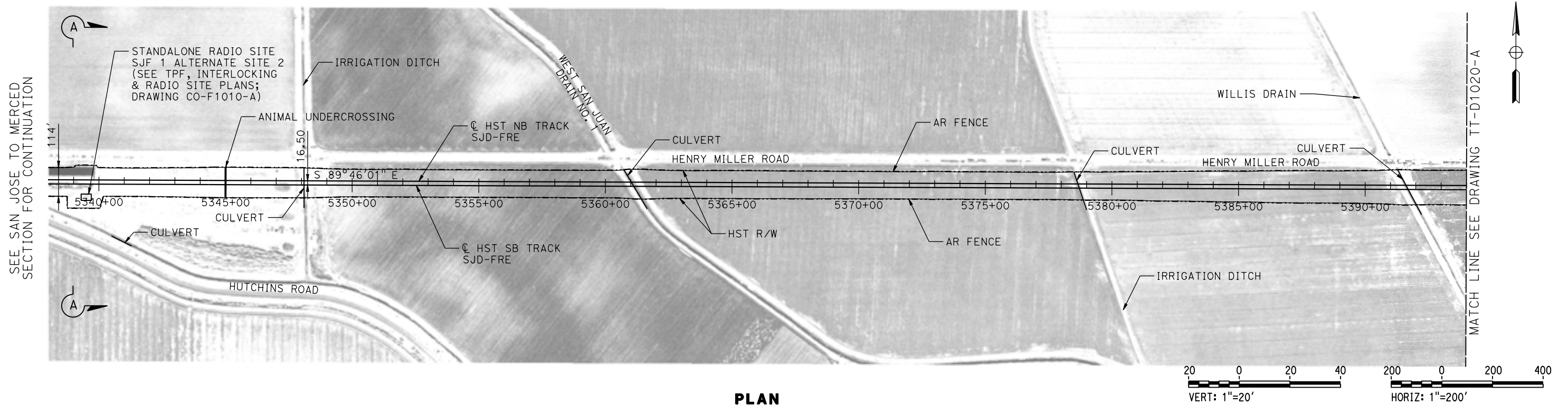
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



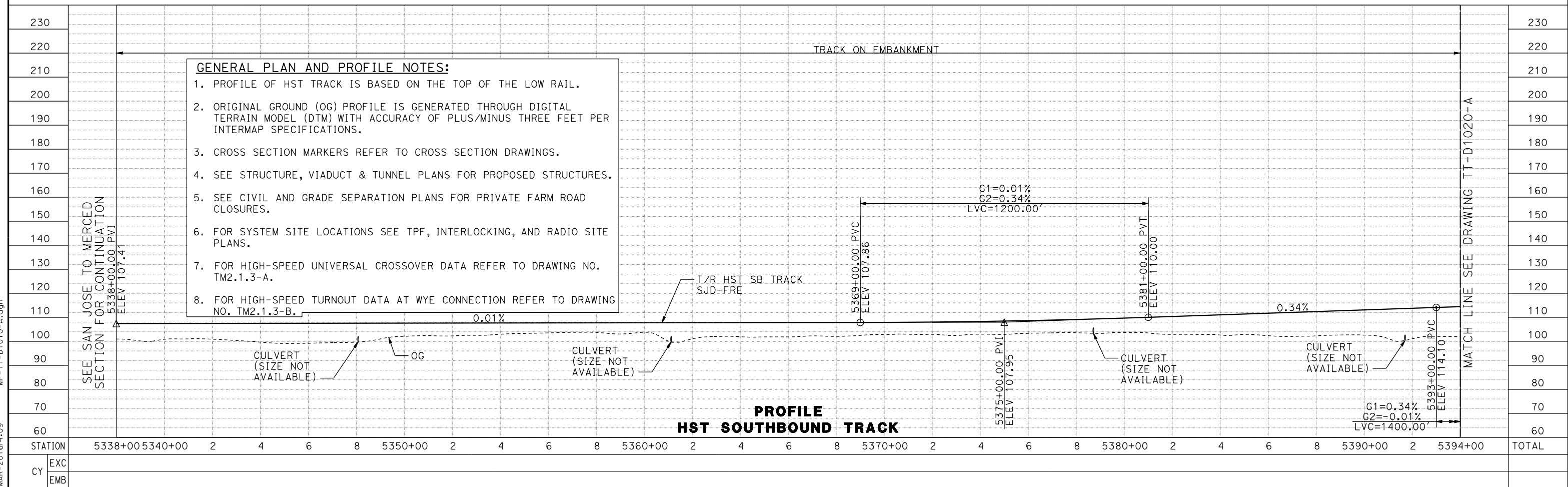
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA  
SHEET 7 OF 7

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

MERCED COUNTY



PLAN



07-MAR-2016 4:09 MF-TT-D1010-A.dgn

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

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**

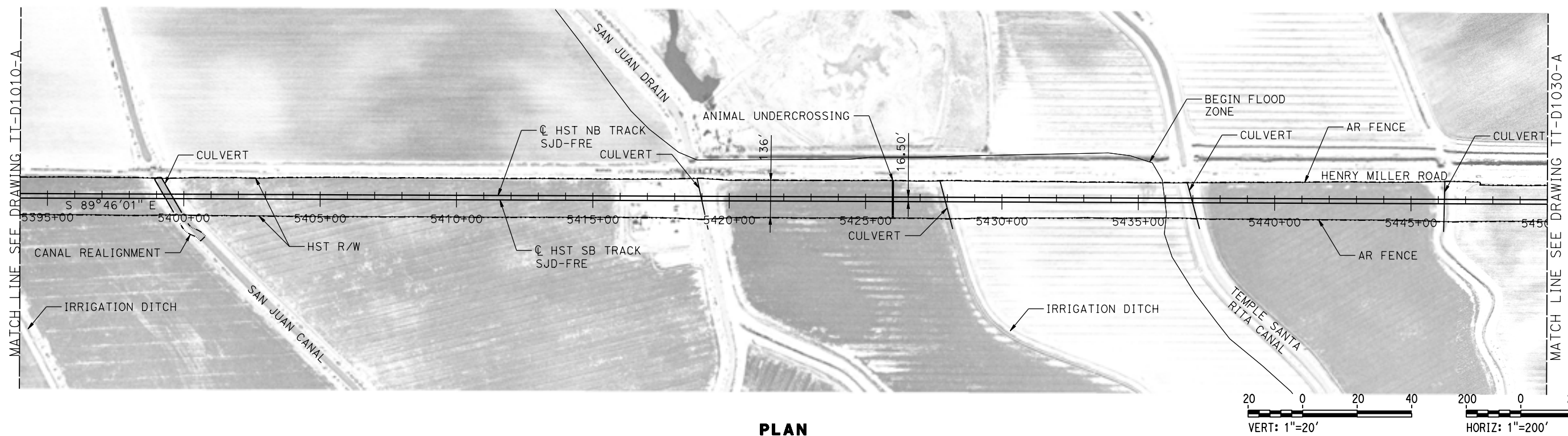


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

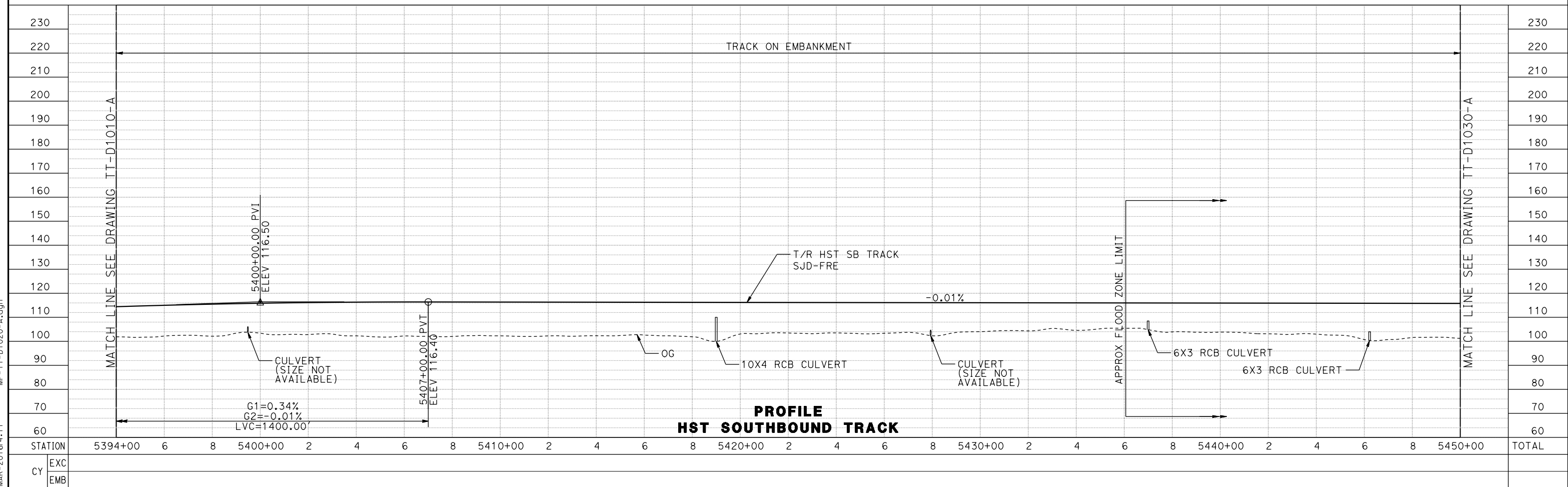
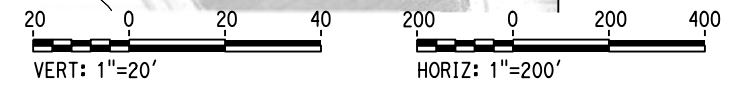
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5338+00 TO 5394+00

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

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

07-MAR-2016 4:11 MF-TT-D1020-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

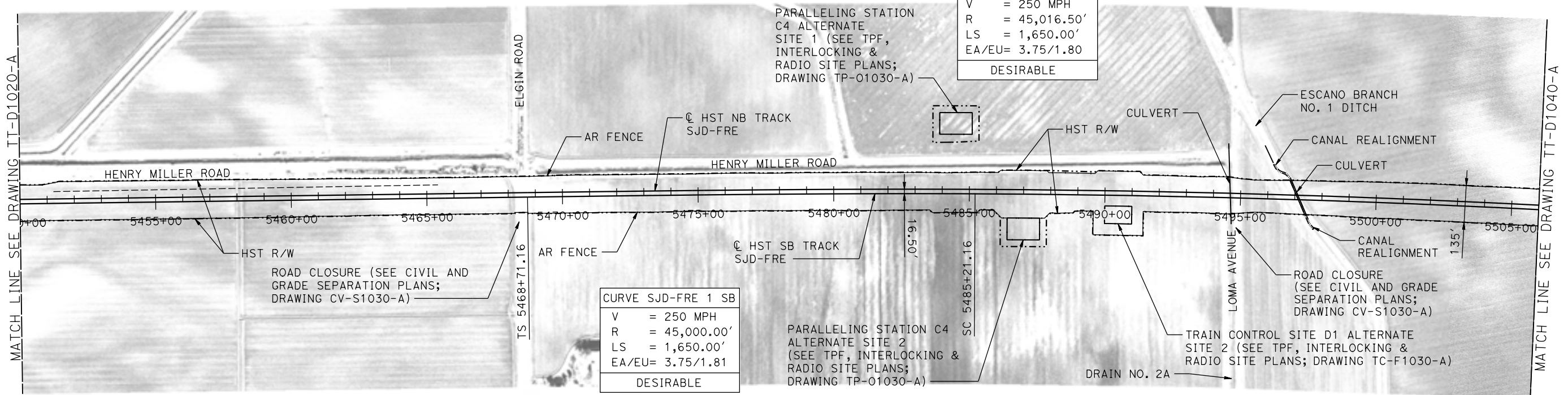


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5394+00 TO 5450+00

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

**MERCED COUNTY**

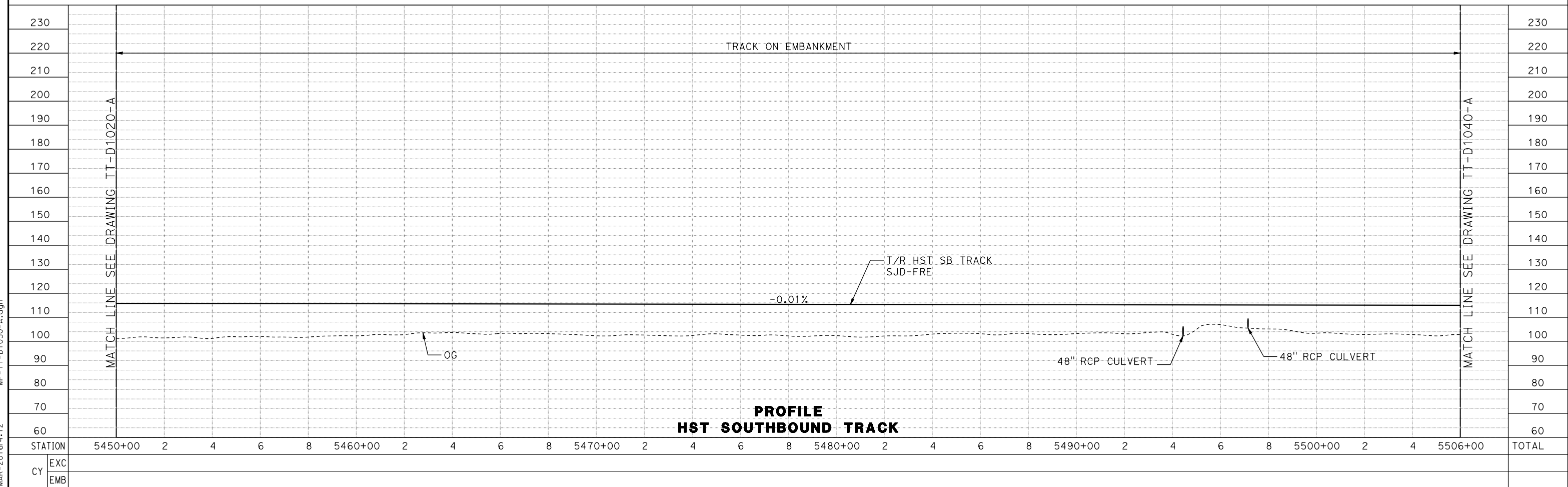
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 V = 250 MPH  
 R = 45,016.50'  
 LS = 1,650.00'  
 EA/EU= 3.75/1.80  
 DESIRABLE



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



**PLAN**



**PROFILE  
 HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



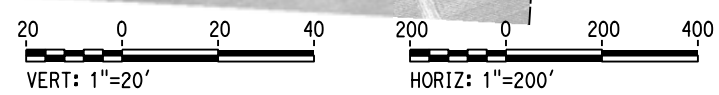
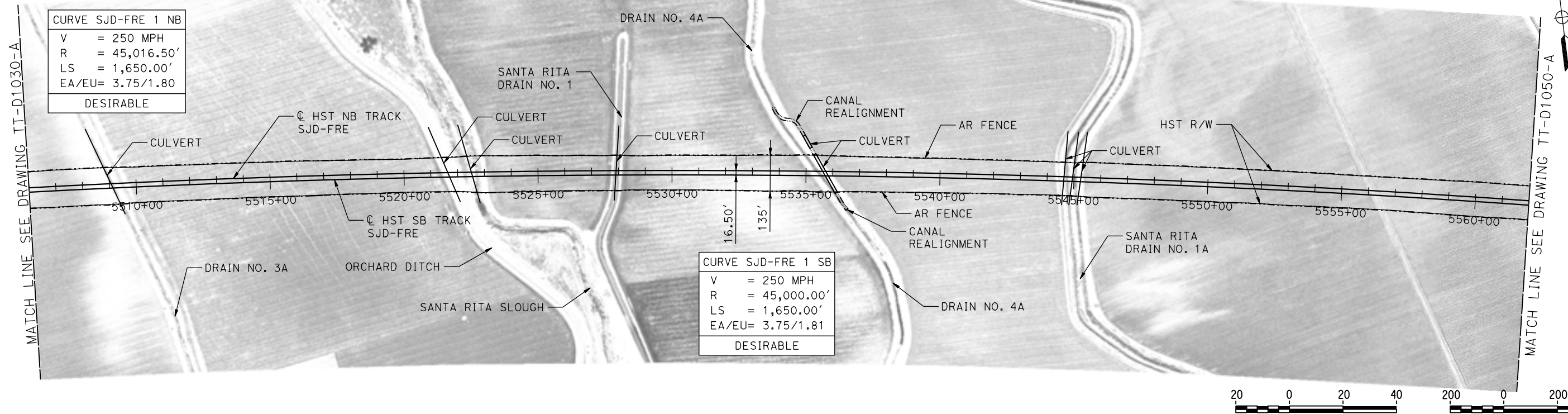
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 5450+00 TO 5506+00

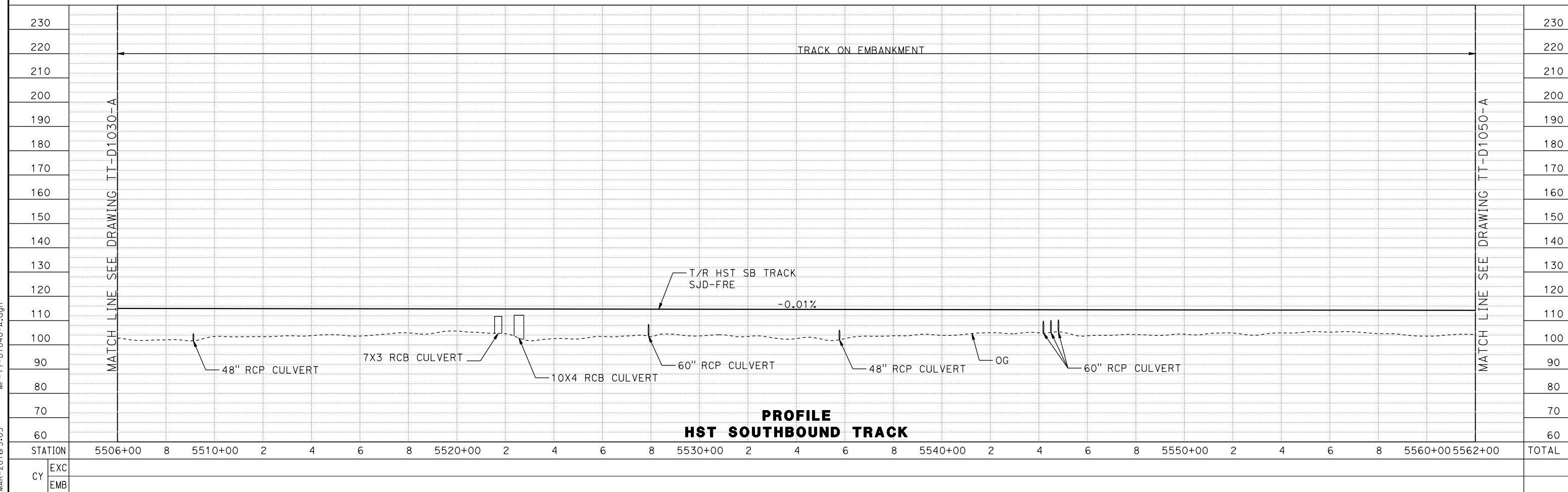
CONTRACT NO.  
HSR08-05  
 DRAWING NO.  
TT-D1030-A  
 SCALE  
AS SHOWN  
 SHEET NO.

07-MAR-2016 4:12 MF-TT-D1030-A.dgn

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

07-MAR-2016 15:03 MF-TT-D1040-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 5506+00 TO 5562+00

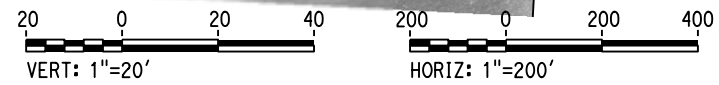
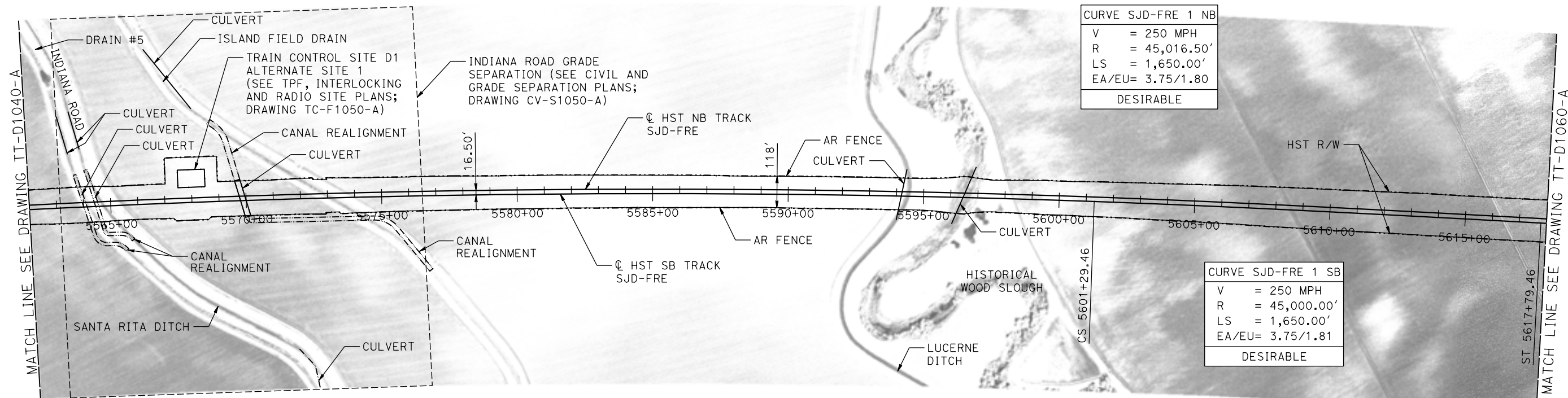
CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1040-A

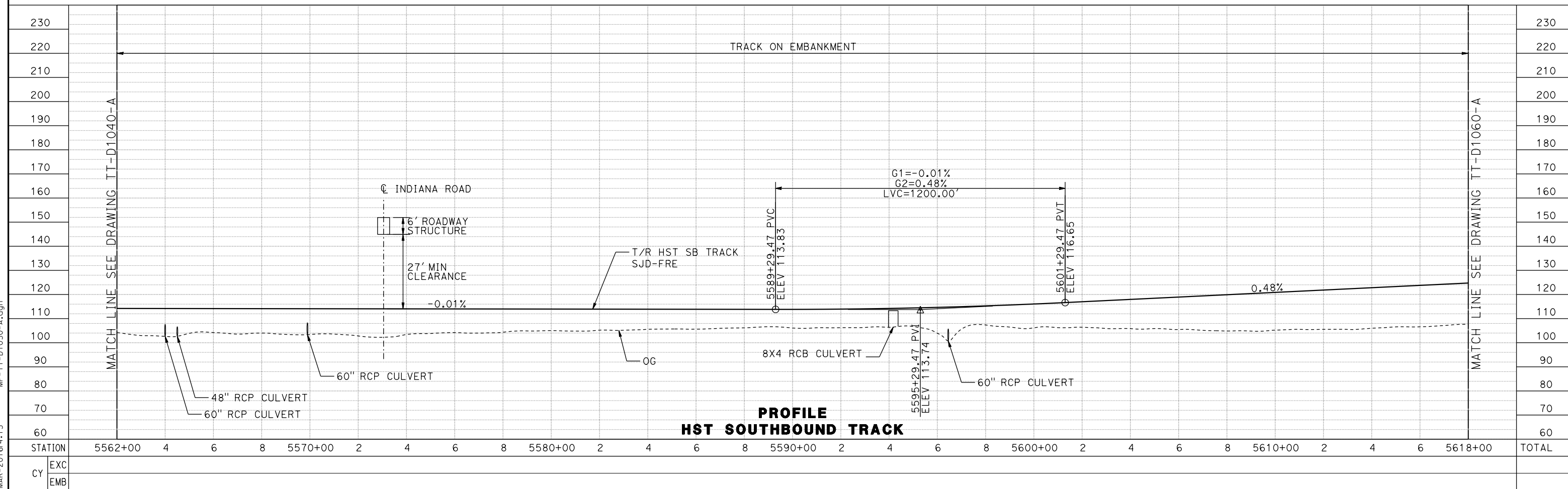
SCALE  
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



07-MAR-2016 4:13 MF-TT-D1050-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 5562+00 TO 5618+00

CONTRACT NO.  
HSR08-05

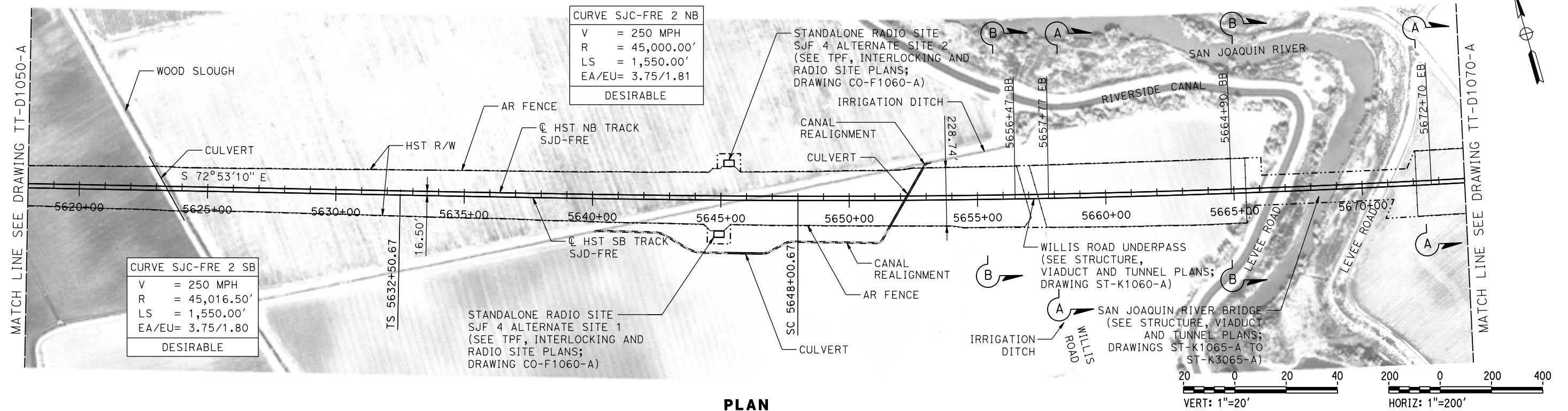
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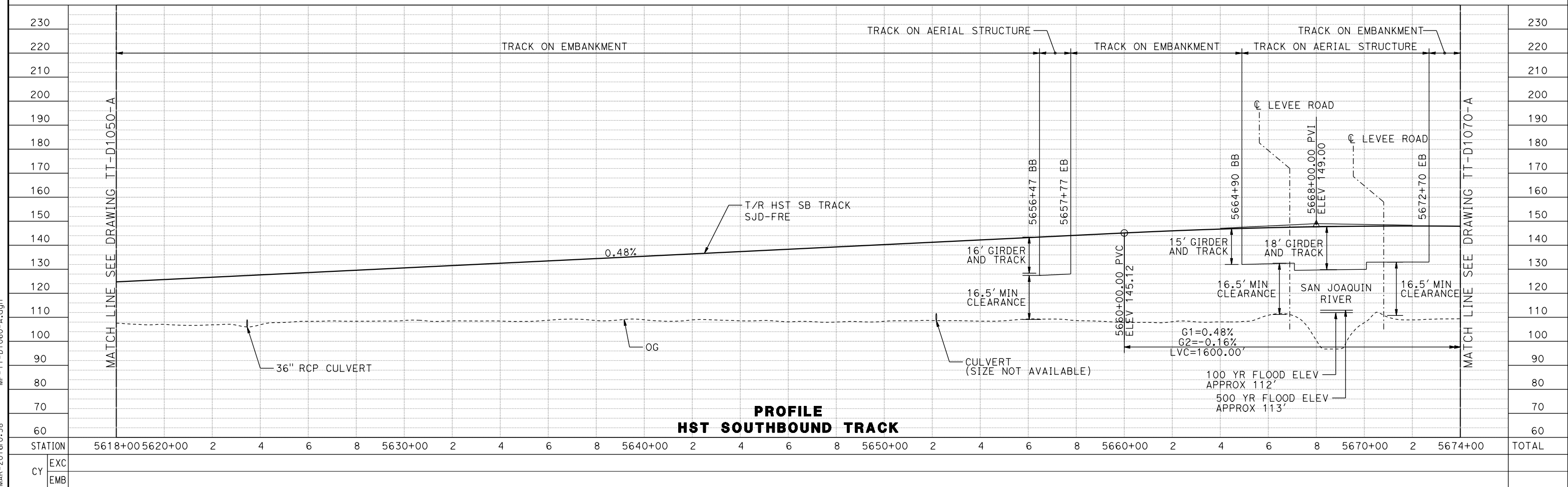
SHEET NO.



MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

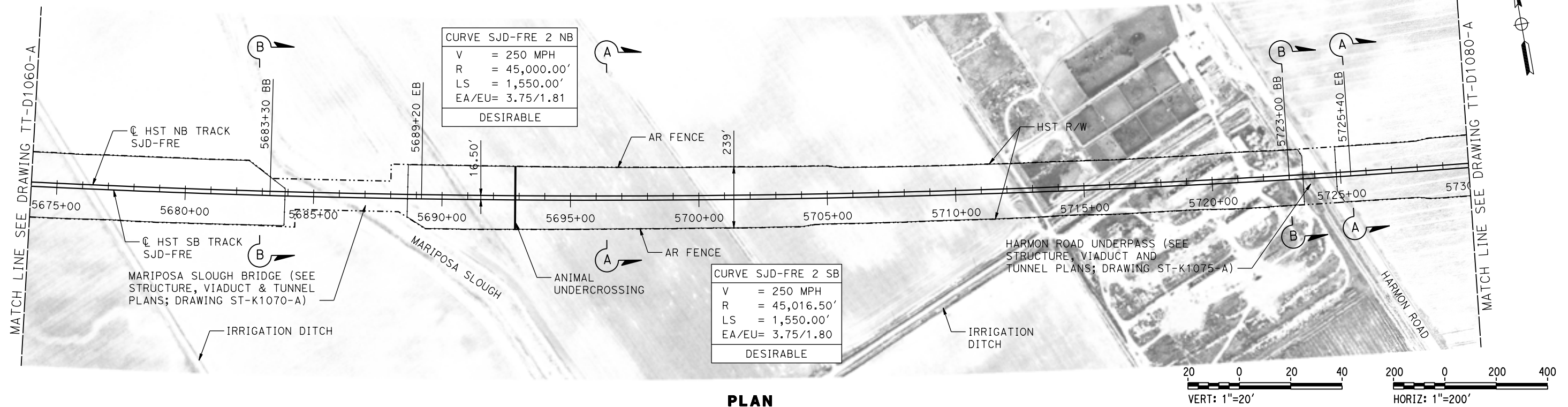


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5618+00 TO 5674+00

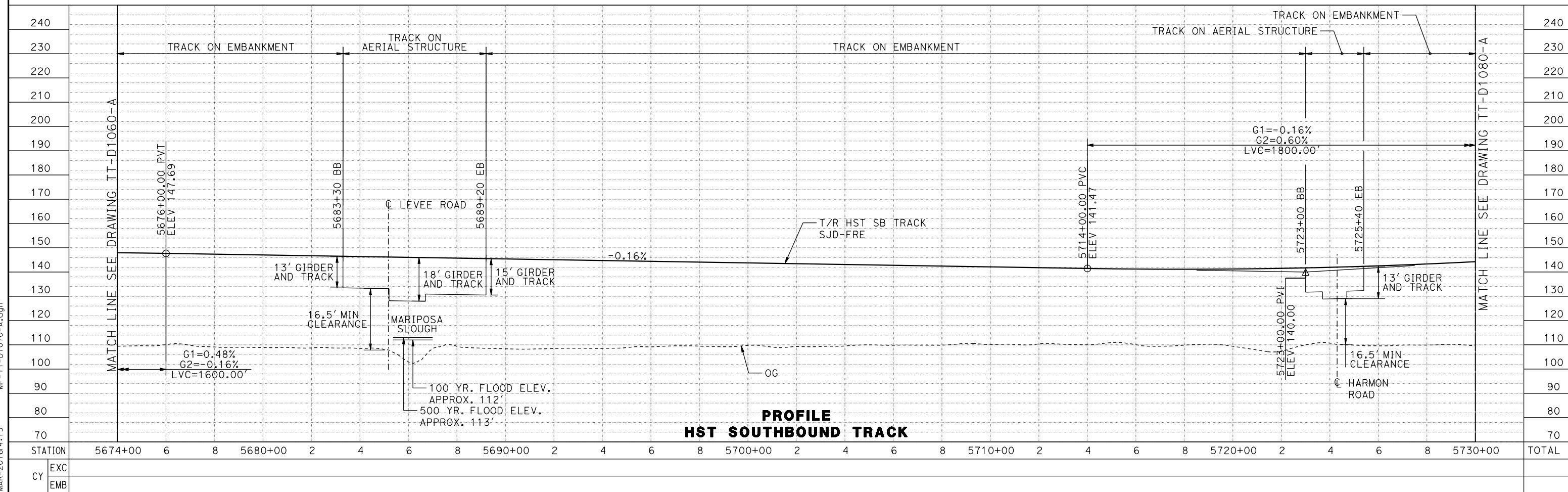
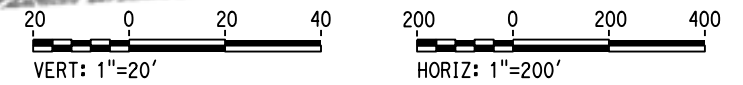
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1060-A  
SCALE  
AS SHOWN  
SHEET NO.

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

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

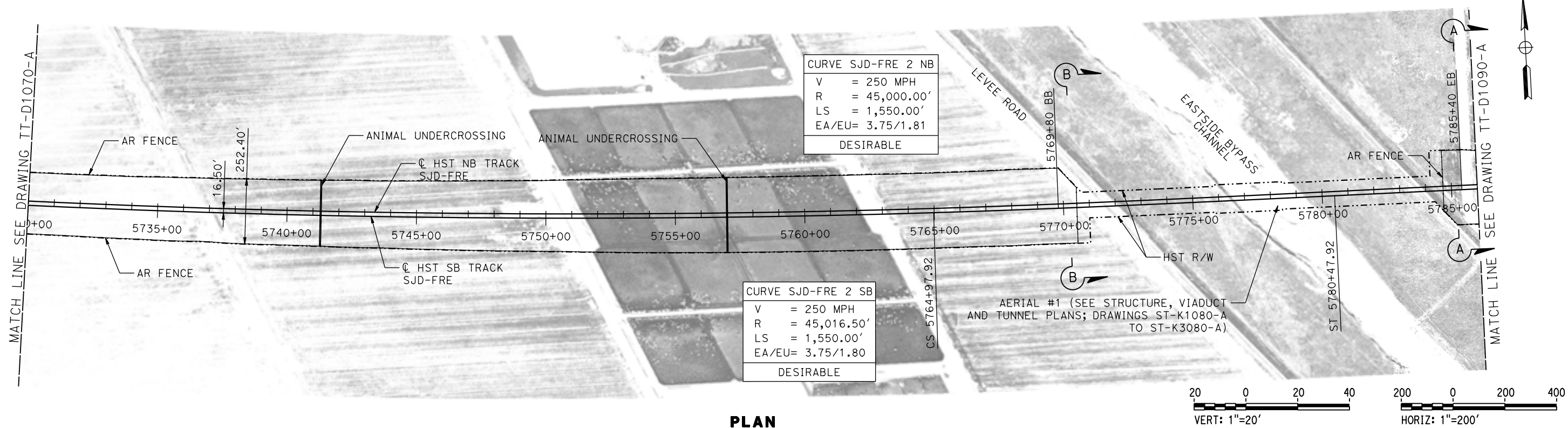


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5674+00 TO 5730+00

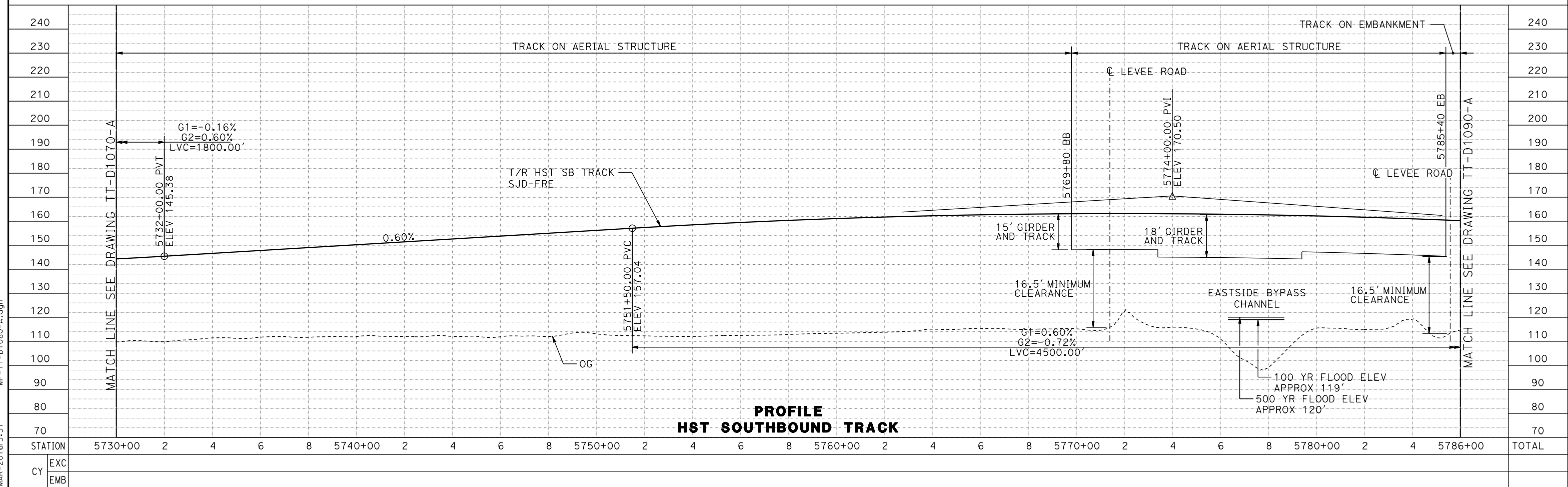
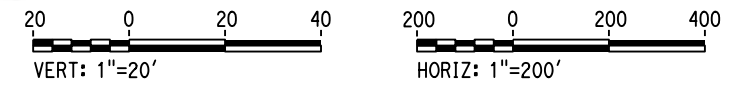
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HSR08-05  
DRAWING NO.  
TT-D1070-A  
SCALE  
AS SHOWN  
SHEET NO.

07-MAR-2016 4:15 MF-TT-D1070-A.dgn

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

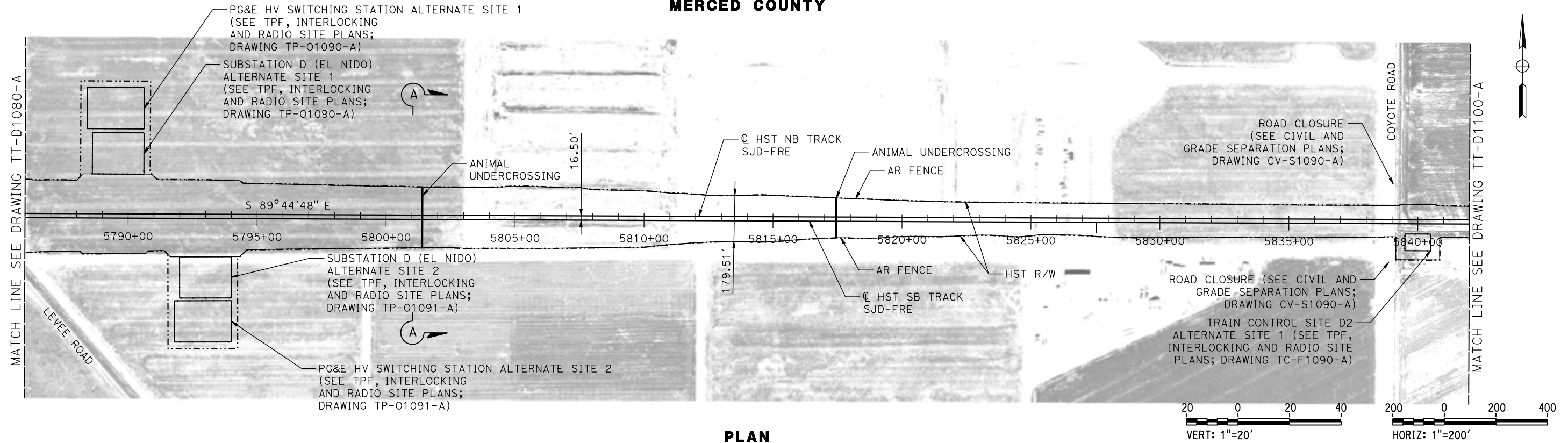


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5730+00 TO 5786+00

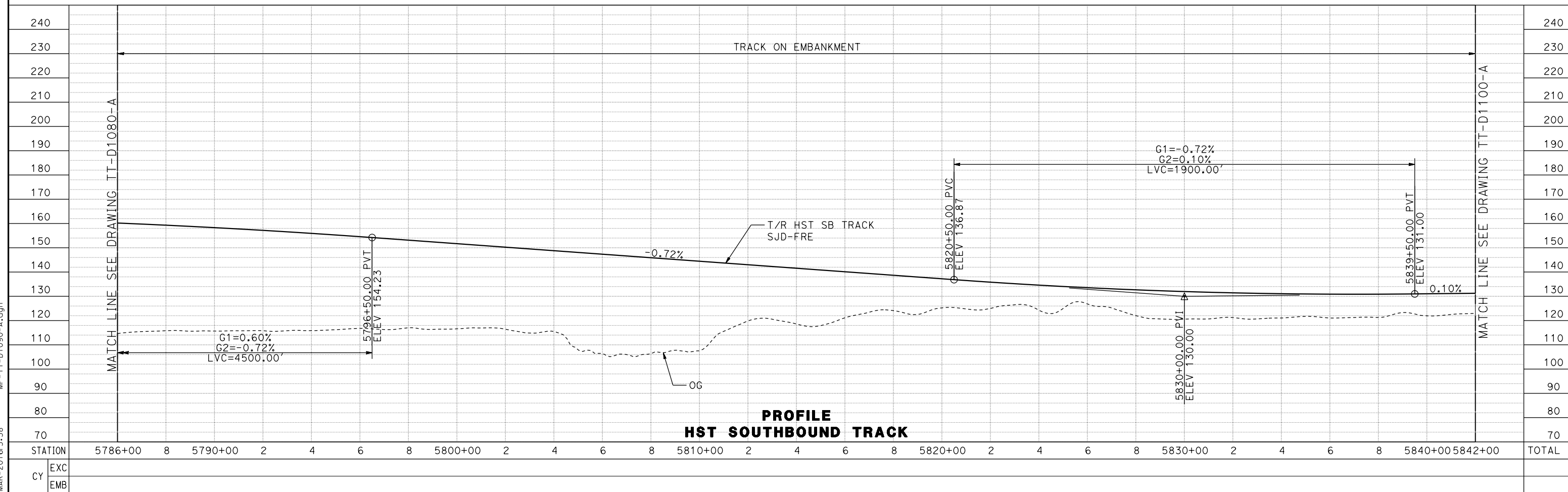
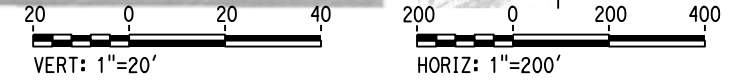
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HSR08-05  
DRAWING NO.  
TT-D1080-A  
SCALE  
AS SHOWN  
SHEET NO.

07-MAR-2016 16:51:37 MF-TT-D1080-A.dgn

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

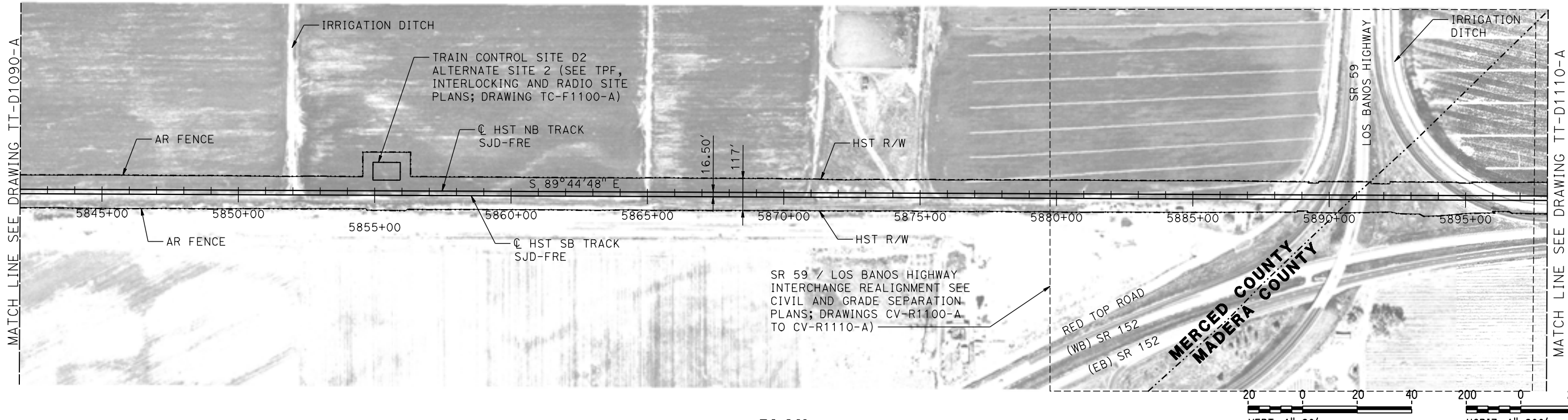


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5786+00 TO 5842+00

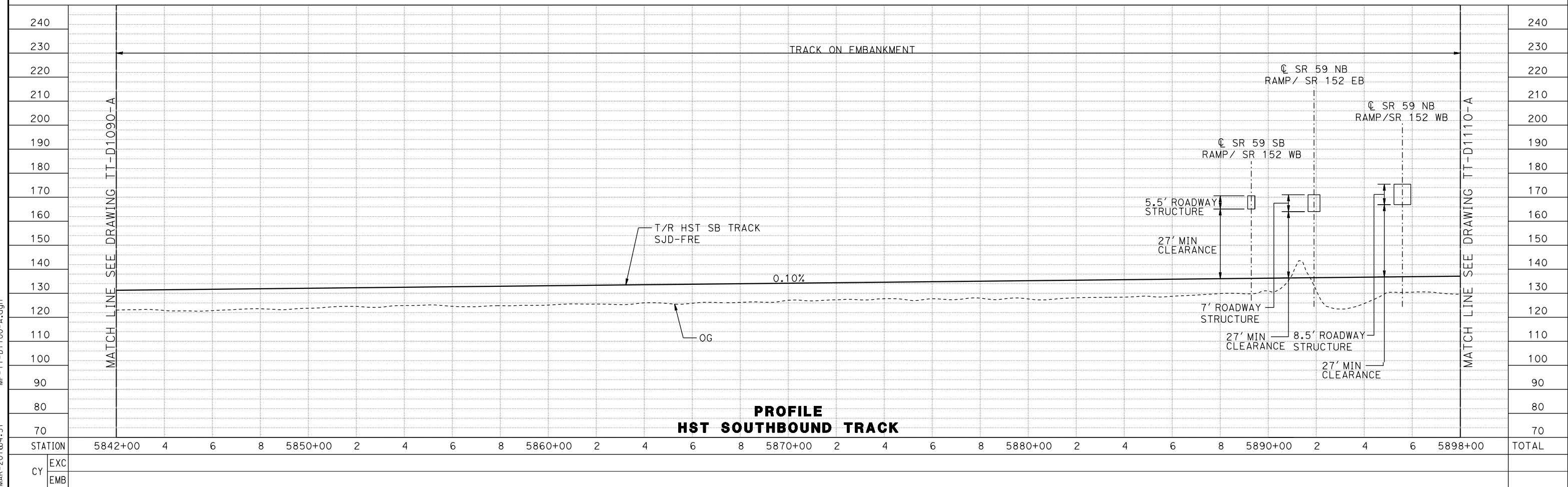
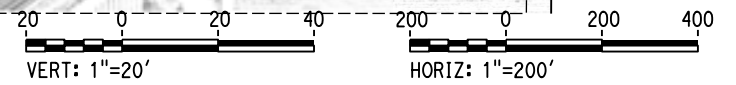
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HSR08-05  
DRAWING NO.  
TT-D1090-A  
SCALE  
AS SHOWN  
SHEET NO.

07-MAR-2016 16:51:38 MF-TT-D1090-A.dgn

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

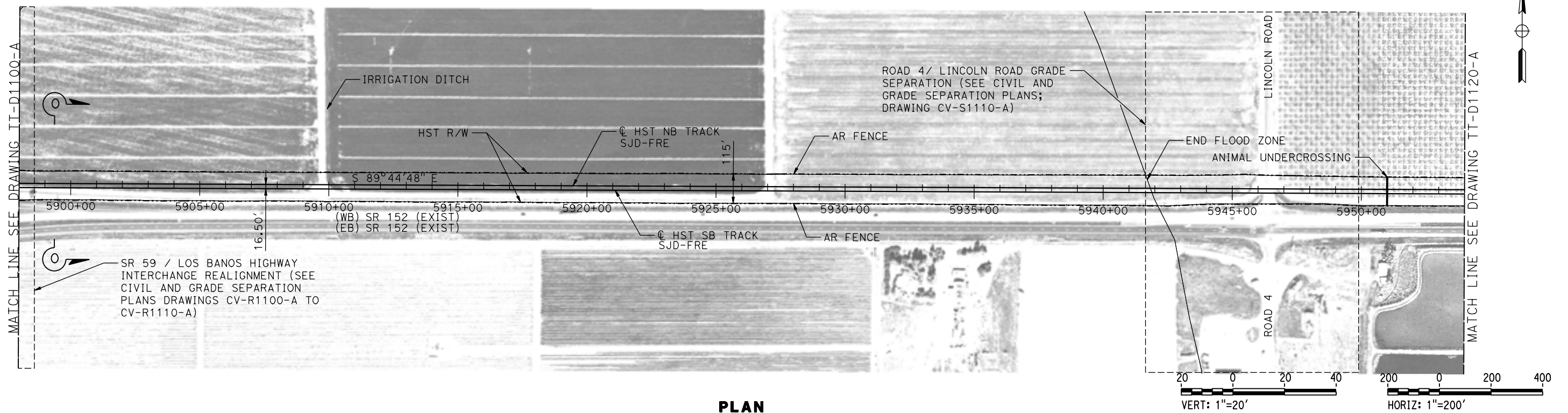


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5842+00 TO 5898+00

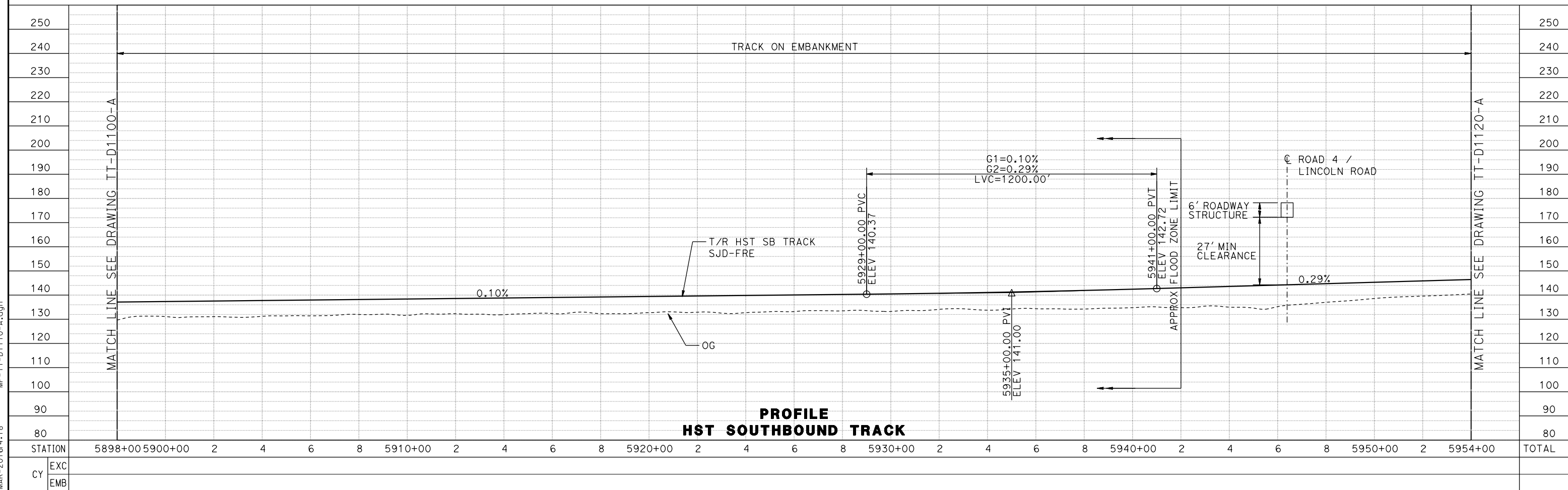
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HSR08-05  
DRAWING NO.  
TT-D1100-A  
SCALE  
AS SHOWN  
SHEET NO.

08-MAR-2016 10:41:51 MF-TT-D1100-A.dgn

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

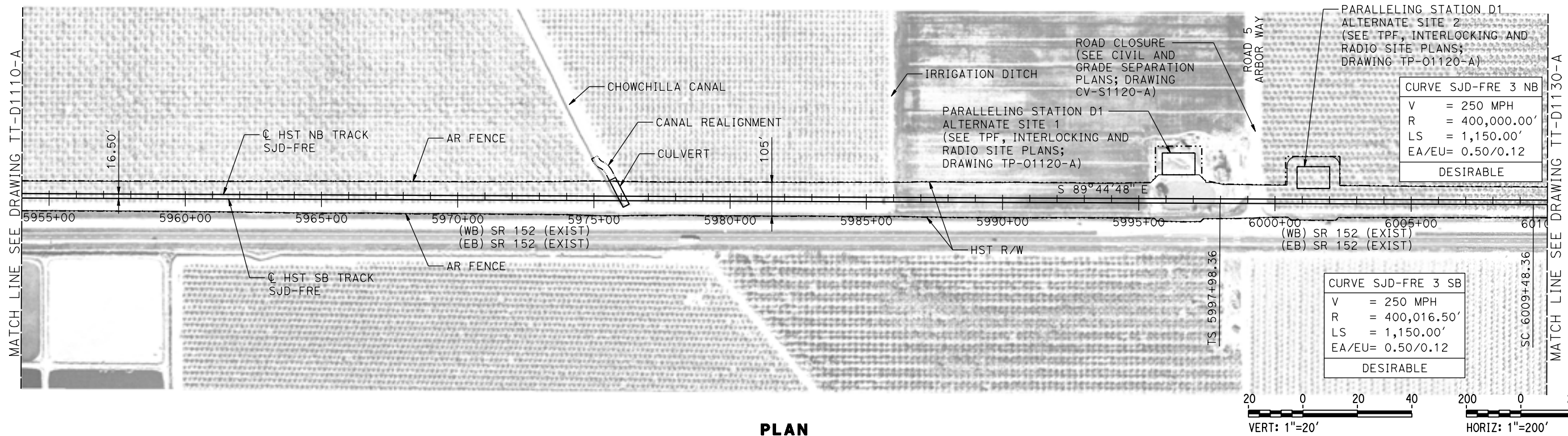


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5898+00 TO 5954+00

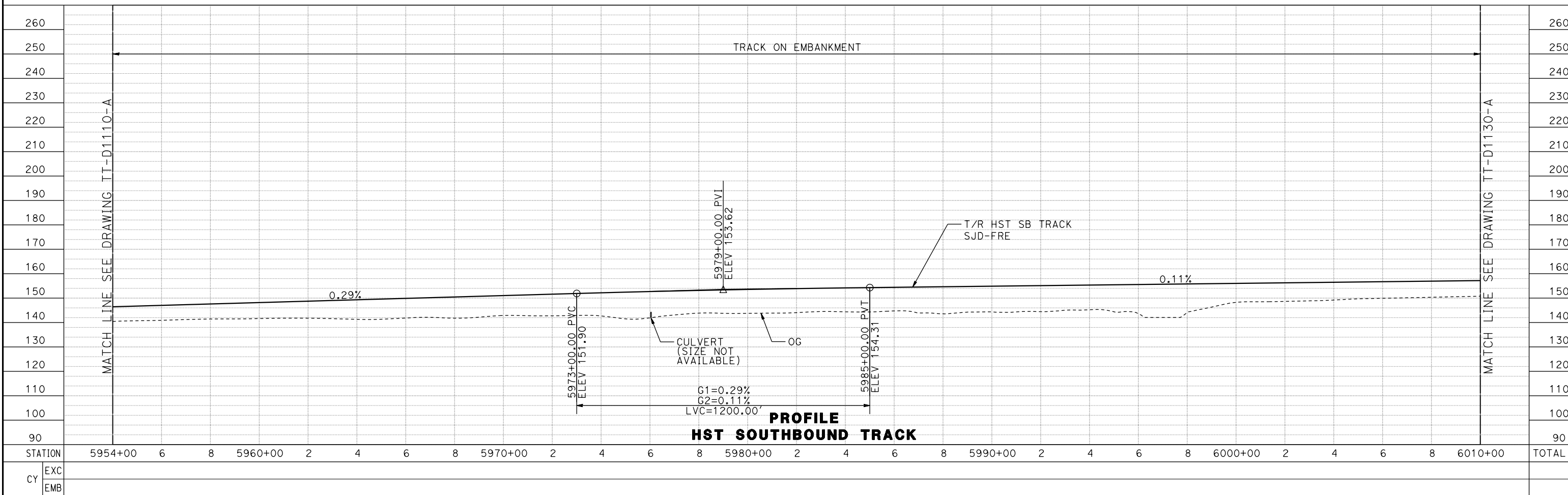
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1110-A  
SCALE  
AS SHOWN  
SHEET NO.

07-MAR-2016 4:18 MF-TT-D1110-A.dgn

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

08-MAR-2016 10:41:53 MF-TT-D1120-A.dgn

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

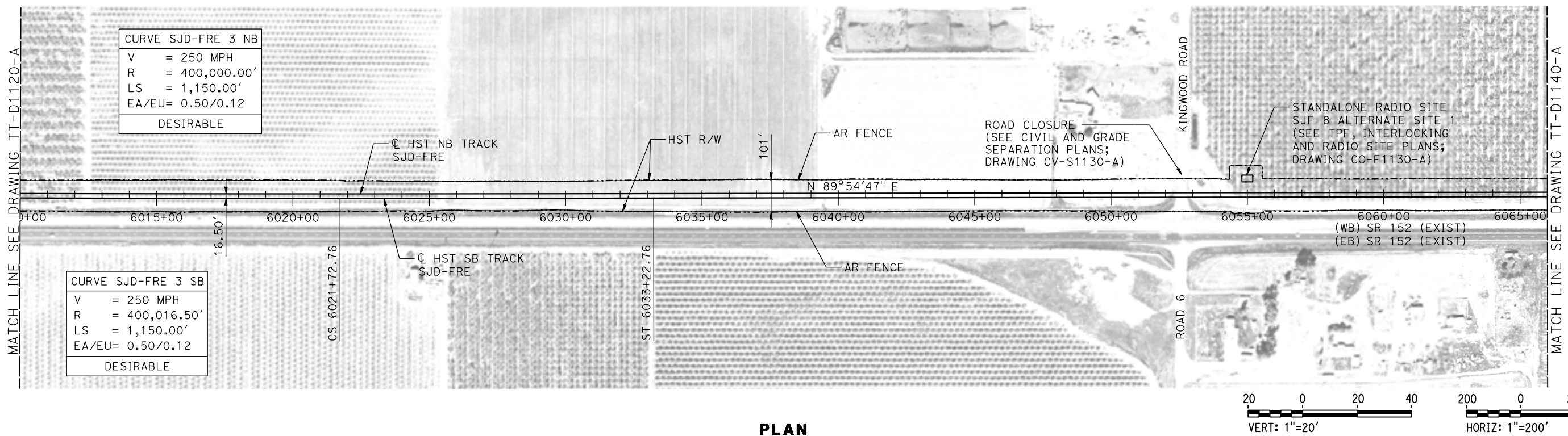
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



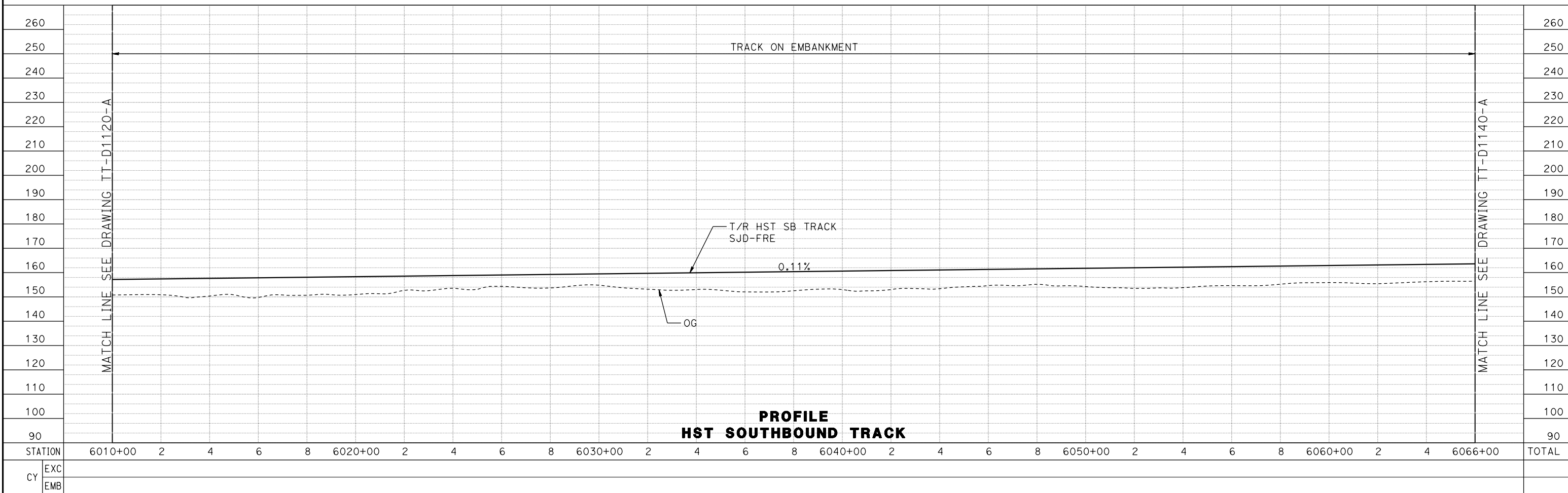
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 5954+00 TO 6010+00

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

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

08-MAR-2016 04:54 MF-TT-D1130-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
03/18/2016 SJD-FRE STA 6010+00 TO 6066+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1130-A

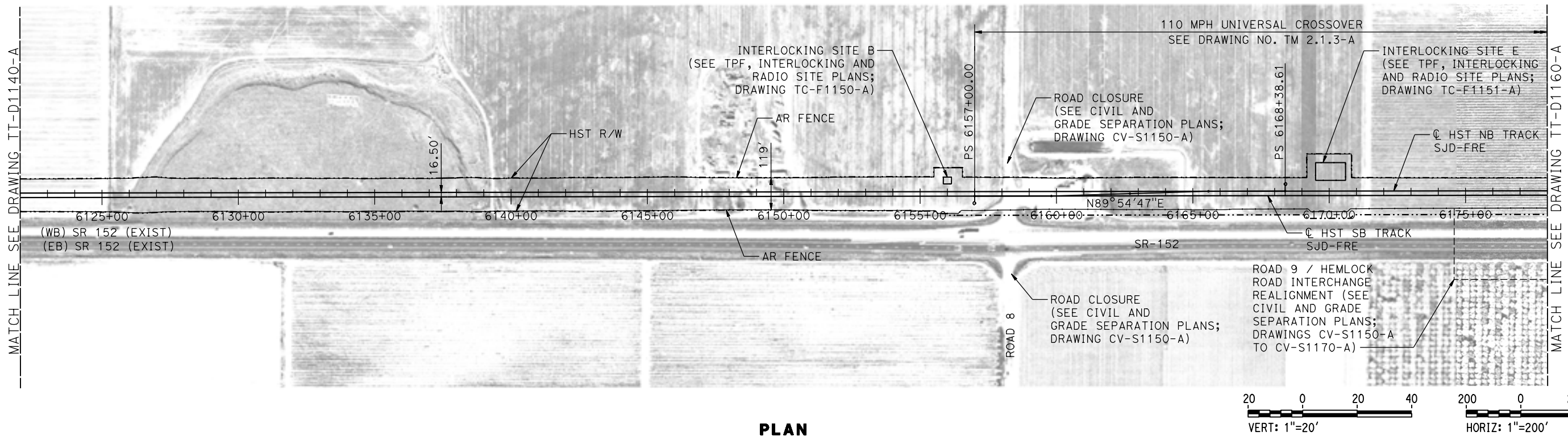
SCALE  
AS SHOWN

SHEET NO.

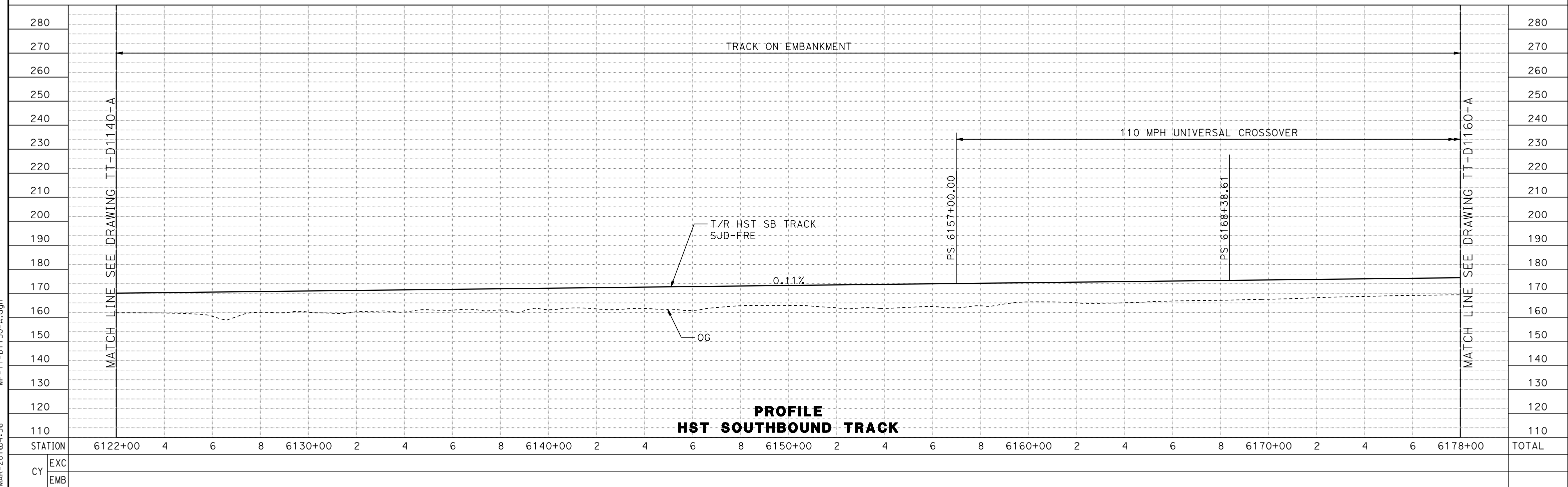
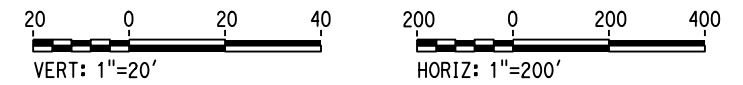




MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6122+00 TO 6178+00

CONTRACT NO.  
HSR08-05

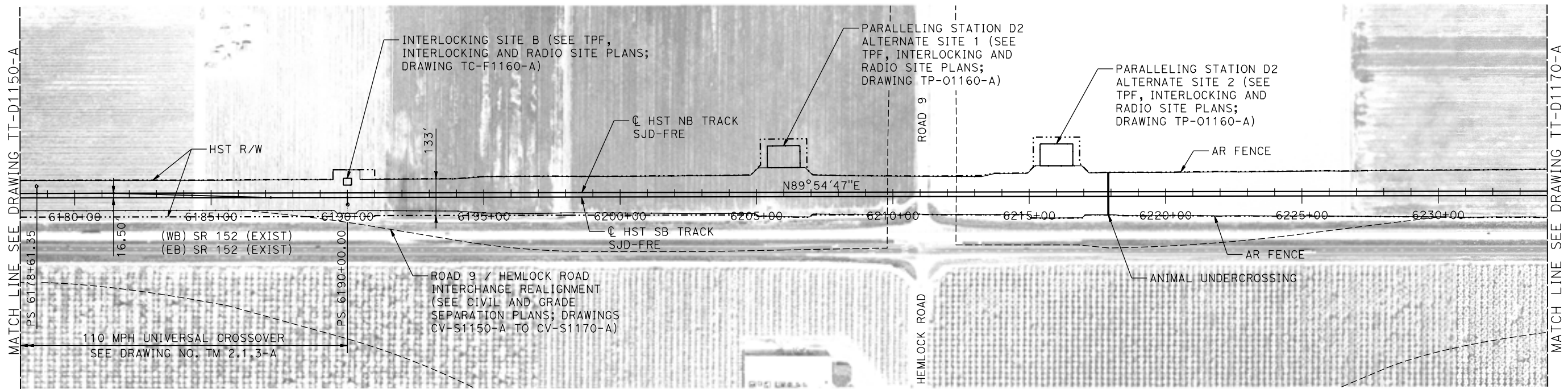
DRAWING NO.  
TT-D1150-A

SCALE  
AS SHOWN

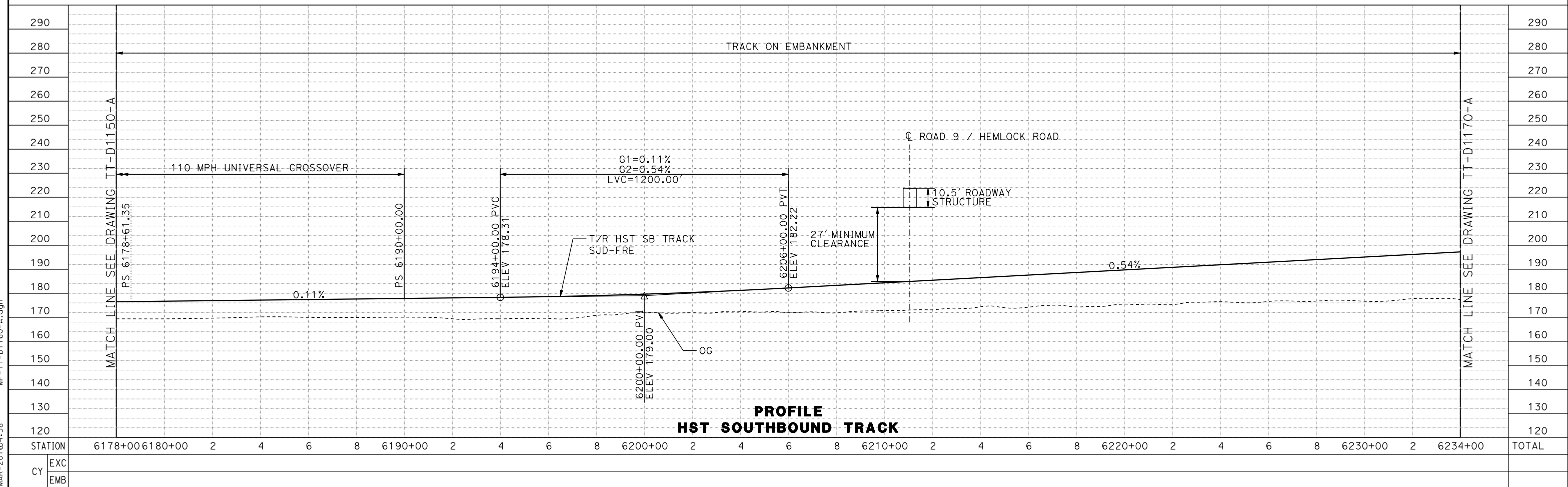
SHEET NO.

08-MAR-2016 10:41:56 MF-TT-D1150-A.dgn

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

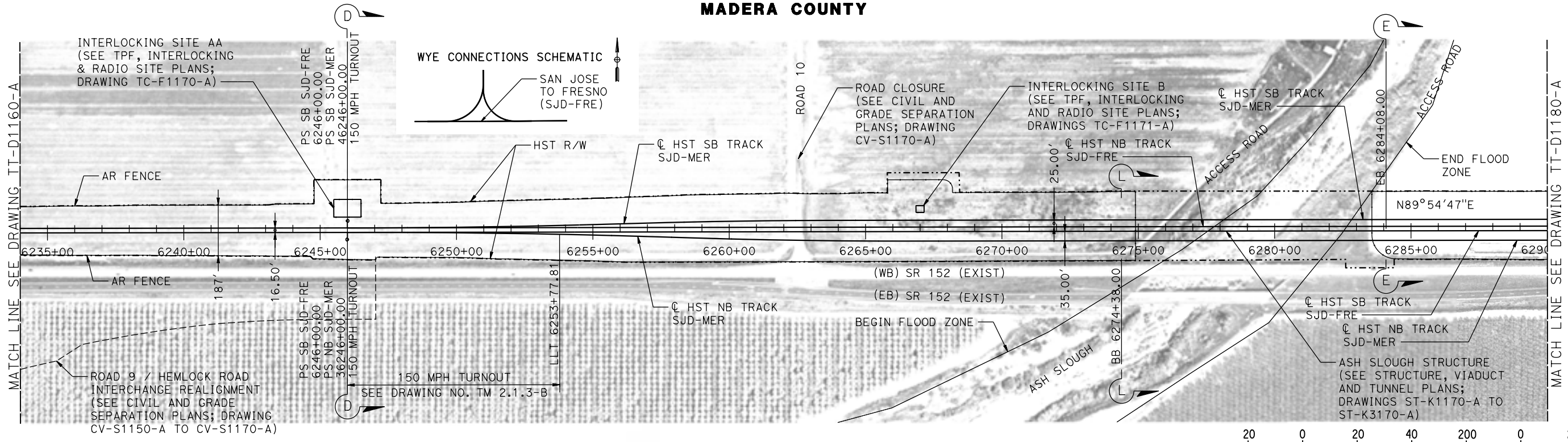
**NOT FOR**  
**CONSTRUCTION**



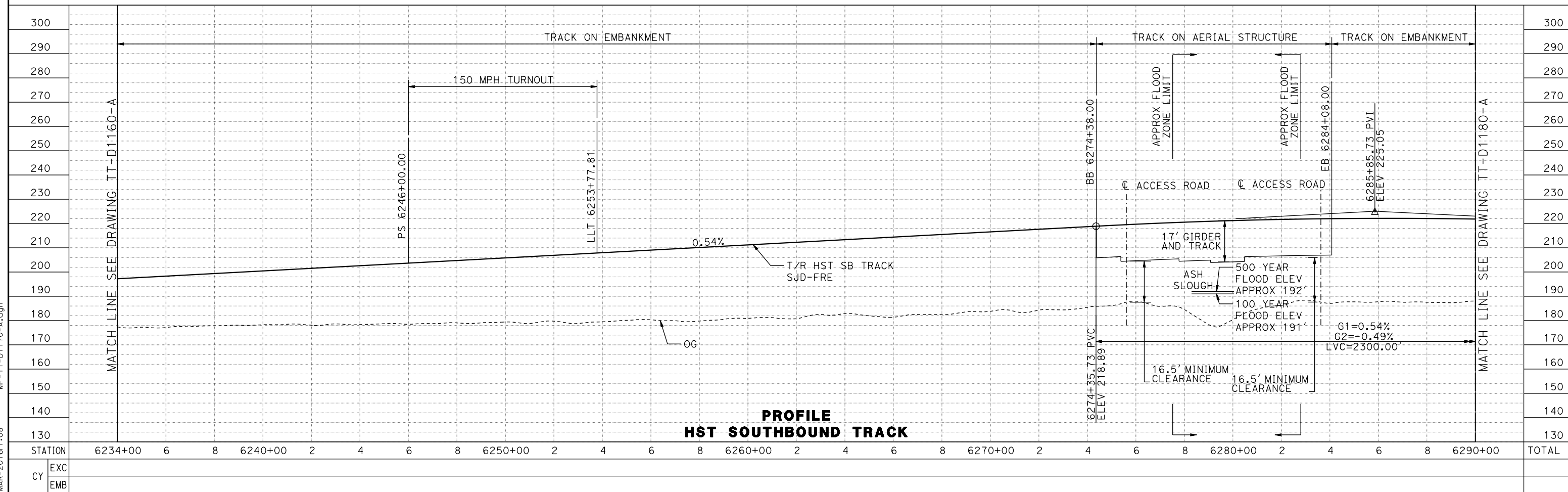
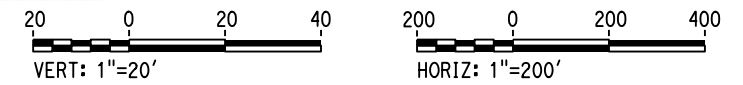
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6178+00 TO 6234+00

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

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

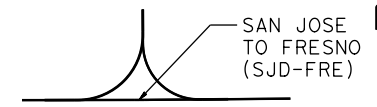
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>D. OLIVETI</b>	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	<b>PARSONS</b>	<b>CALIFORNIA</b> <small>HIGH-SPEED RAIL AUTHORITY</small>	DRAWN BY <b>M. TACTAY</b>	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b>  CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6234+00 TO 6290+00	CONTRACT NO. HSR08-05
CHECKED BY <b>E. CASTELI</b>				DRAWING NO. TT-D1170-A		
IN CHARGE <b>C. LEMLEY</b>				SCALE AS SHOWN		
DATE <b>03/18/2016</b>				SHEET NO.		

09-MAR-2016 1:08 MF-TT-D1170-A.dgn

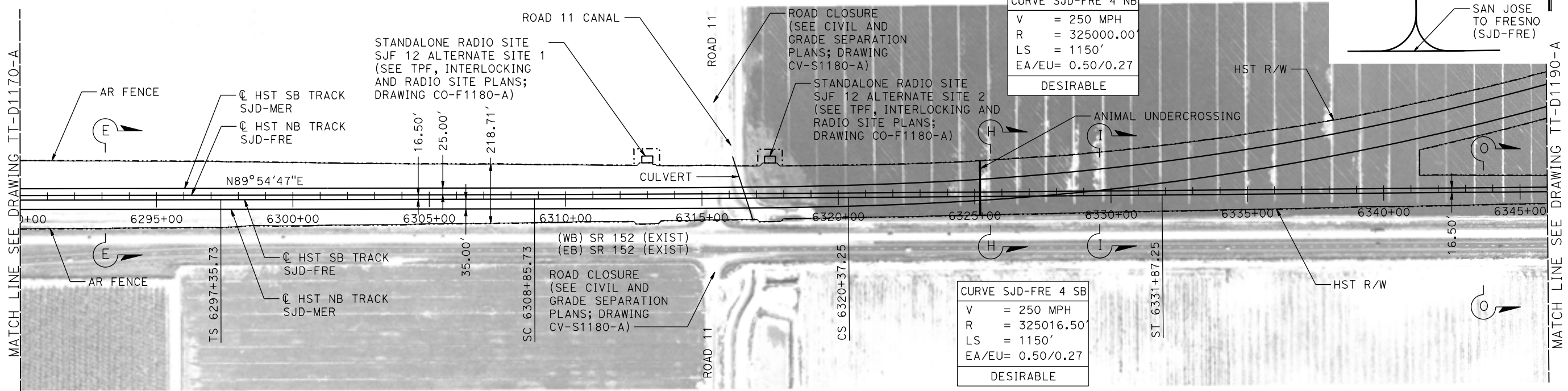
**MADERA COUNTY**

**WYE CONNECTIONS SCHEMATIC**

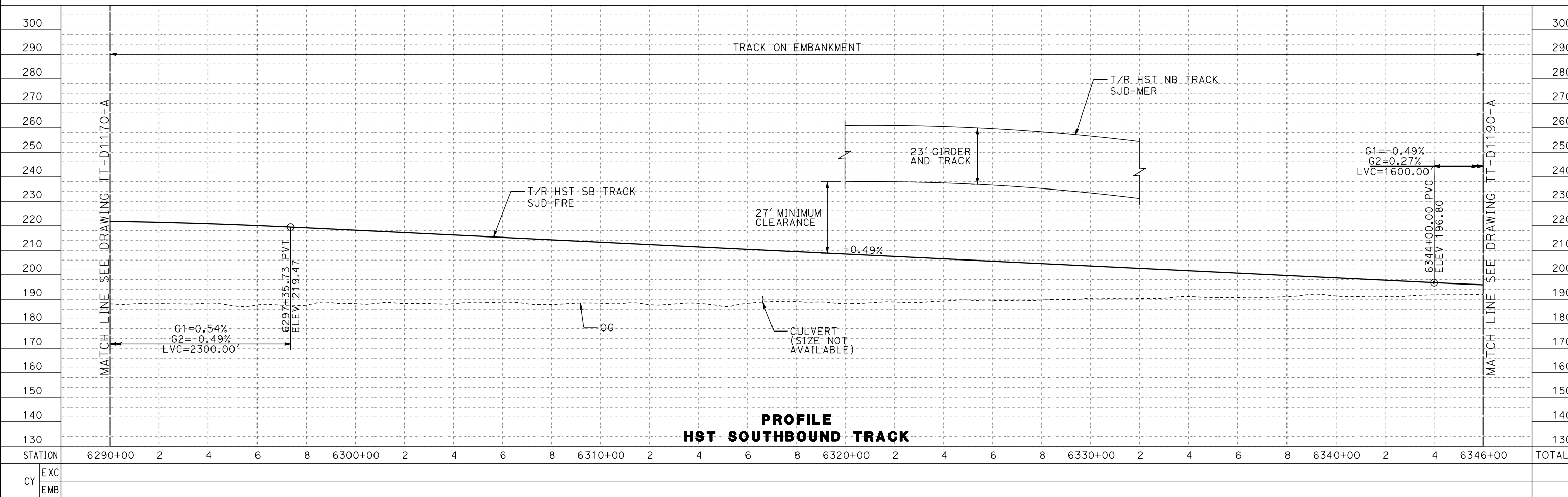
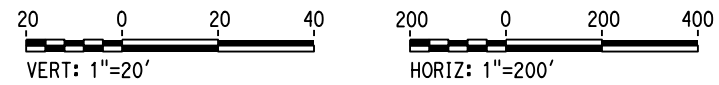


**CURVE SJD-FRE 4 NB**  
 V = 250 MPH  
 R = 325000.00'  
 LS = 1150'  
 EA/EU= 0.50/0.27  
**DESIRABLE**

**CURVE SJD-FRE 4 SB**  
 V = 250 MPH  
 R = 325016.50'  
 LS = 1150'  
 EA/EU= 0.50/0.27  
**DESIRABLE**



**PLAN**



**PROFILE  
HST SOUTHBOUND TRACK**

08-MAR-2016 05:00 MF-TT-D1180-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 6290+00 TO 6346+00

CONTRACT NO.  
HSR08-05

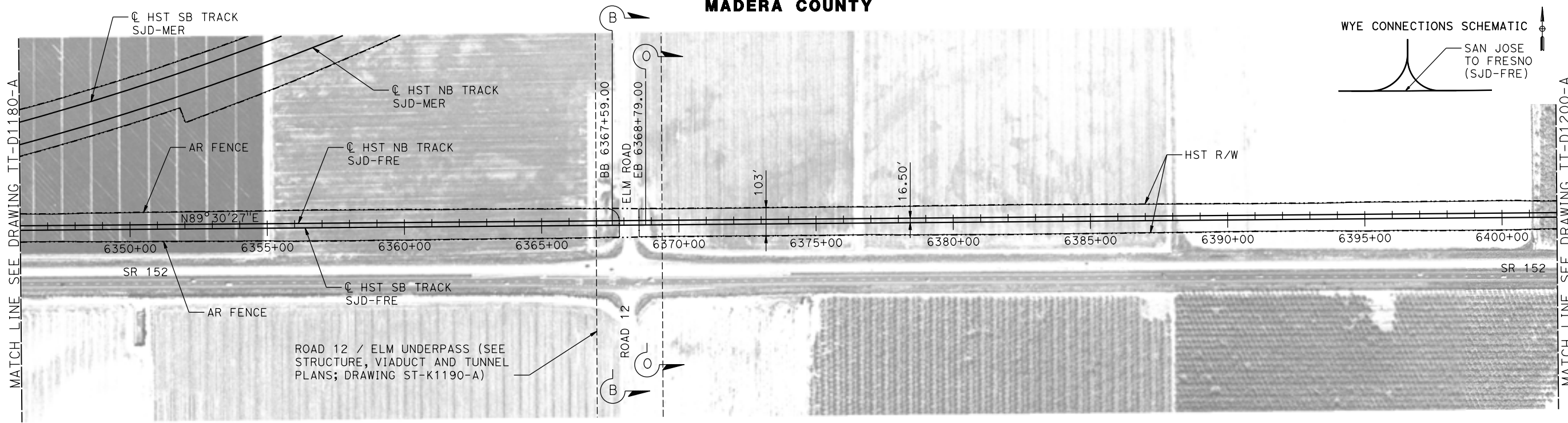
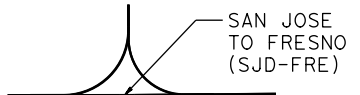
DRAWING NO.  
TT-D1180-A

SCALE  
AS SHOWN

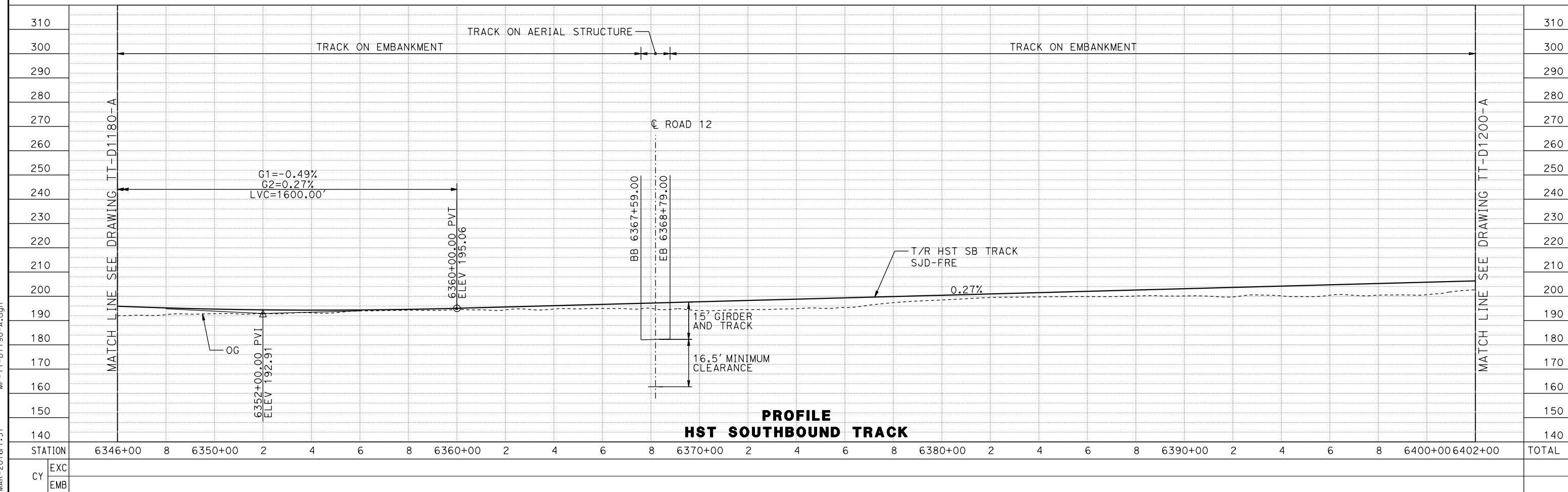
SHEET NO.

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



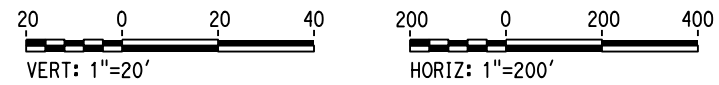
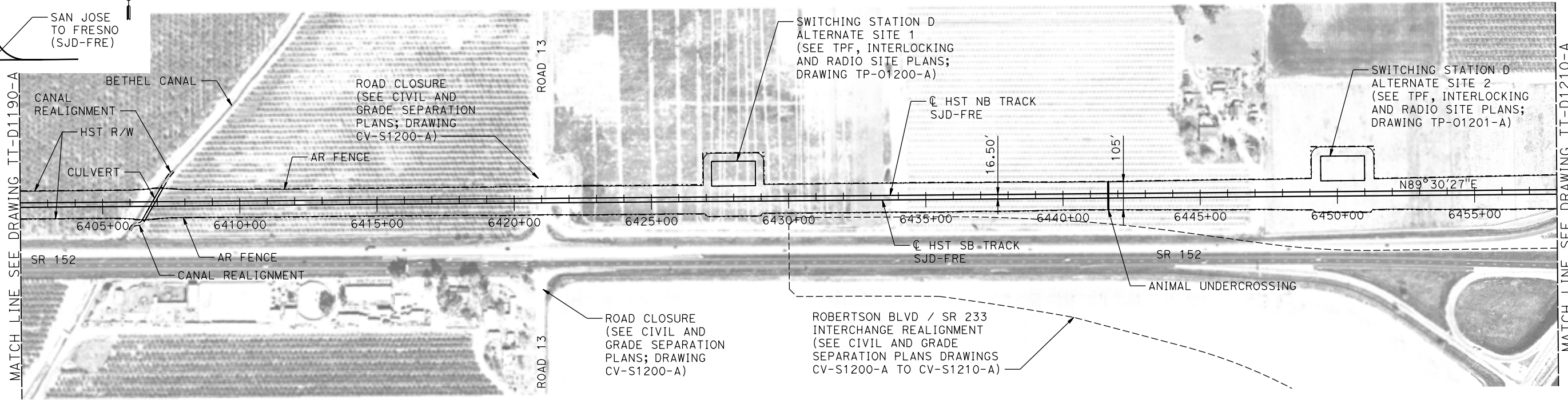
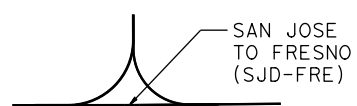
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6346+00 TO 6402+00

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

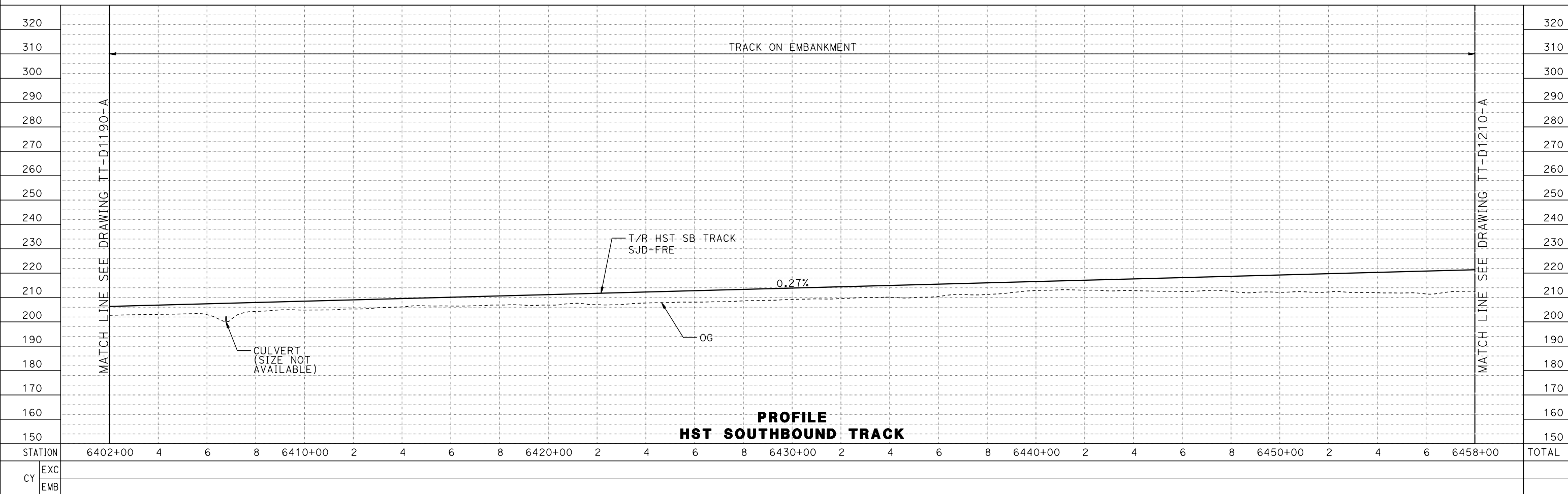
16-MAR-2016 1:31 MF-TT-D1190-A.dgn

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE  
HST SOUTHBOUND TRACK

08-MAR-2016 05:02 MF-TT-D1200-A.dgn

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

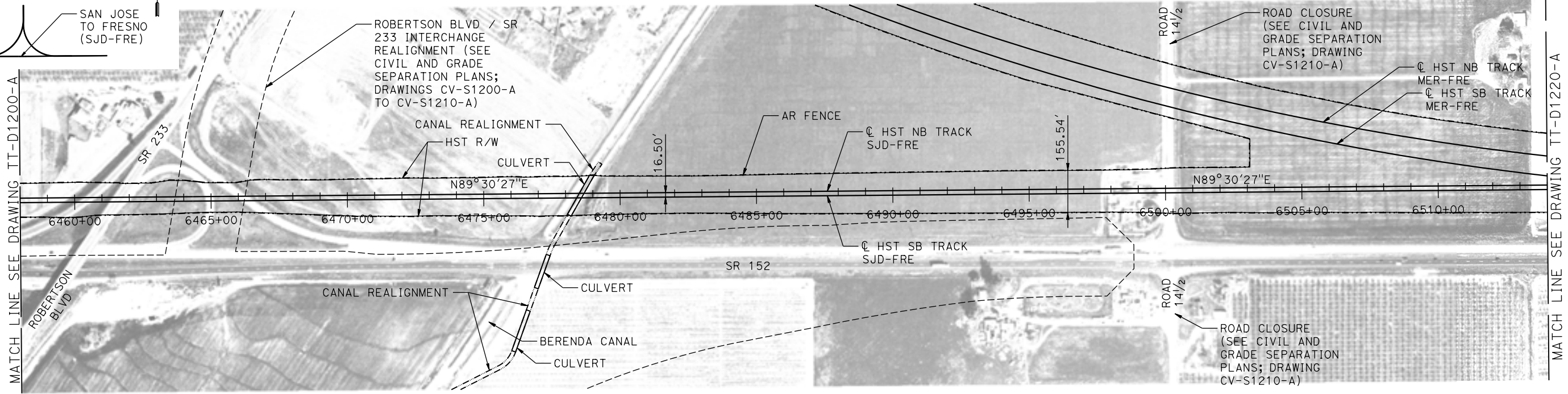
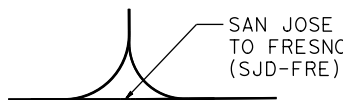


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6402+00 TO 6458+00

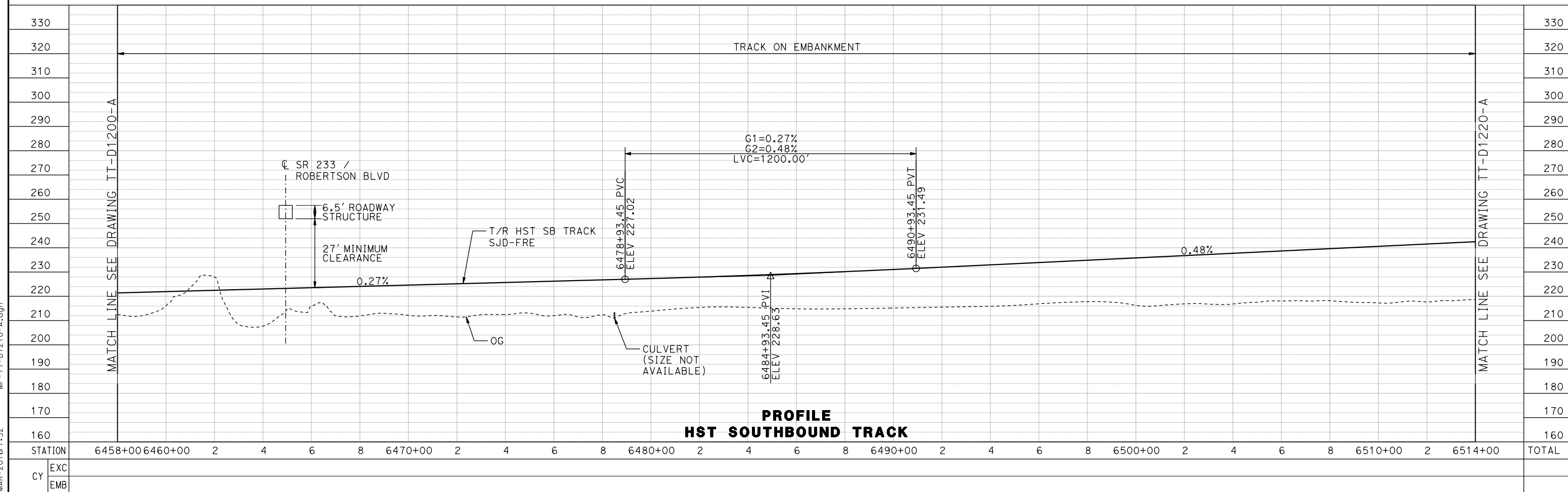
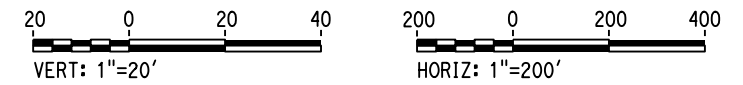
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1200-A  
SCALE  
AS SHOWN  
SHEET NO.

**MADERA COUNTY**

WYE CONNECTIONS SCHEMATIC



**PLAN**



**PROFILE  
HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6458+00 TO 6514+00

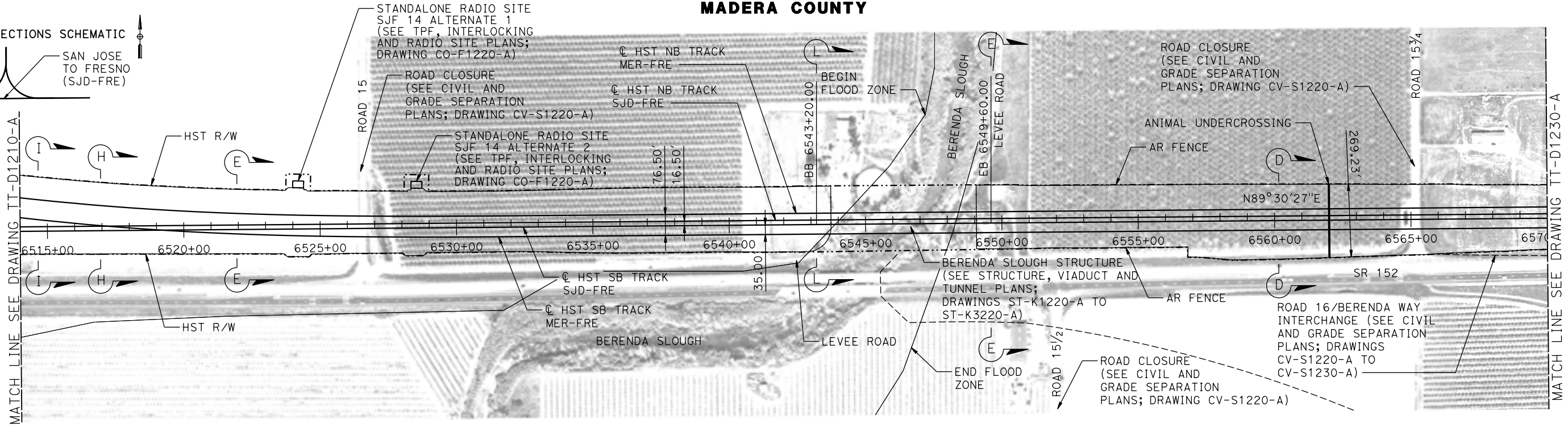
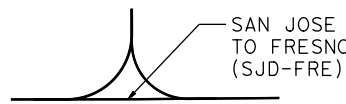
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1210-A  
SCALE  
AS SHOWN  
SHEET NO.

16-MAR-2016 1:32 MF-TT-D1210-A.dgn

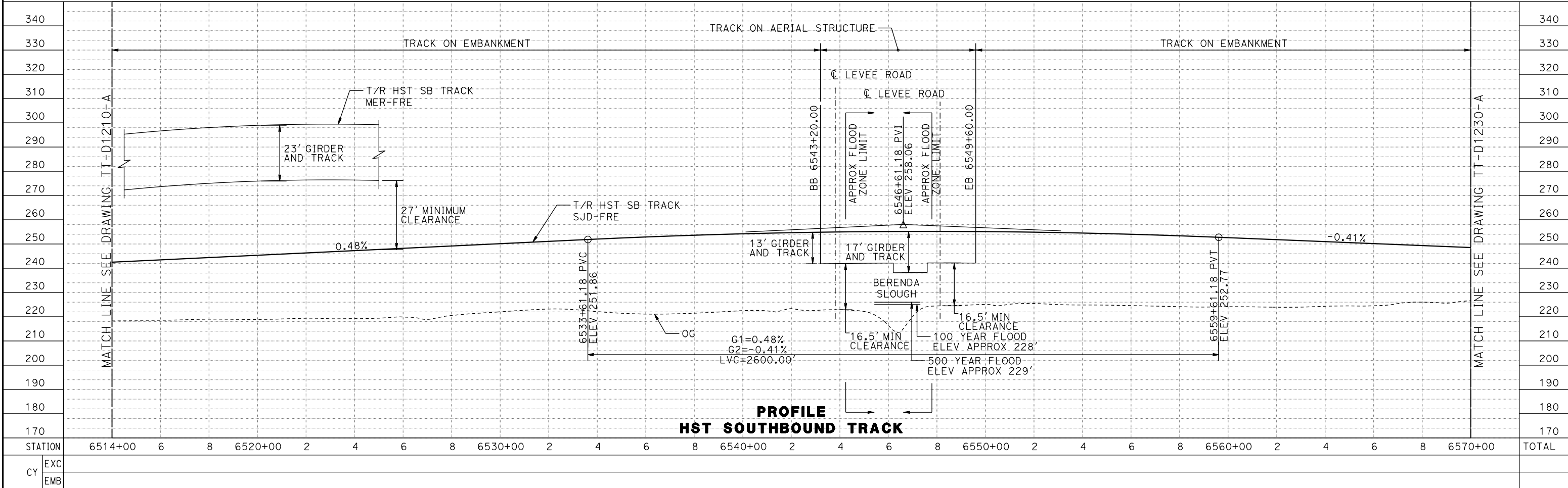


**MADERA COUNTY**

WYE CONNECTIONS SCHEMATIC



**PLAN**



**PROFILE HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6514+00 TO 6570+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1220-A

SCALE  
AS SHOWN

SHEET NO.

16-MAR-2016 1:33 MF-TT-D1220-A.dgn

**MADERA COUNTY**

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

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

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

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

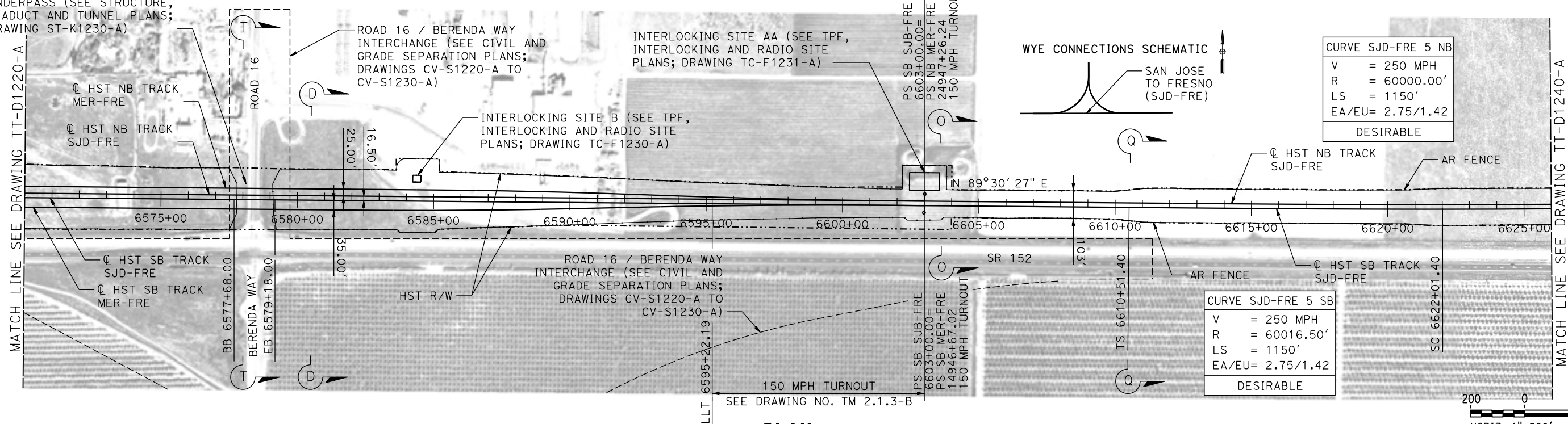
ROAD 16 / BERENDA WAY INTERCHANGE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1220-A TO CV-S1230-A)

WYE CONNECTIONS SCHEMATIC

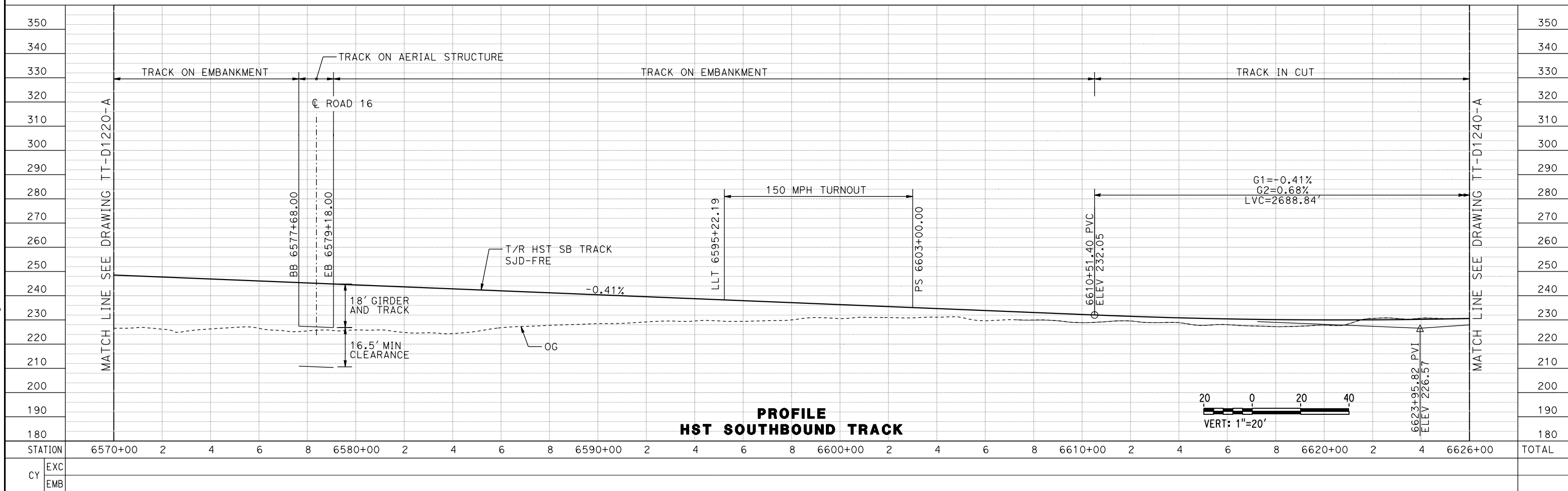


CURVE SJD-FRE 5 NB	
V	= 250 MPH
R	= 60000.00'
LS	= 1150'
EA/EU	= 2.75/1.42
DESIRABLE	

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**

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**T. JAMES**

CHECKED BY  
**N. OUM**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6570+00 TO 6626+00

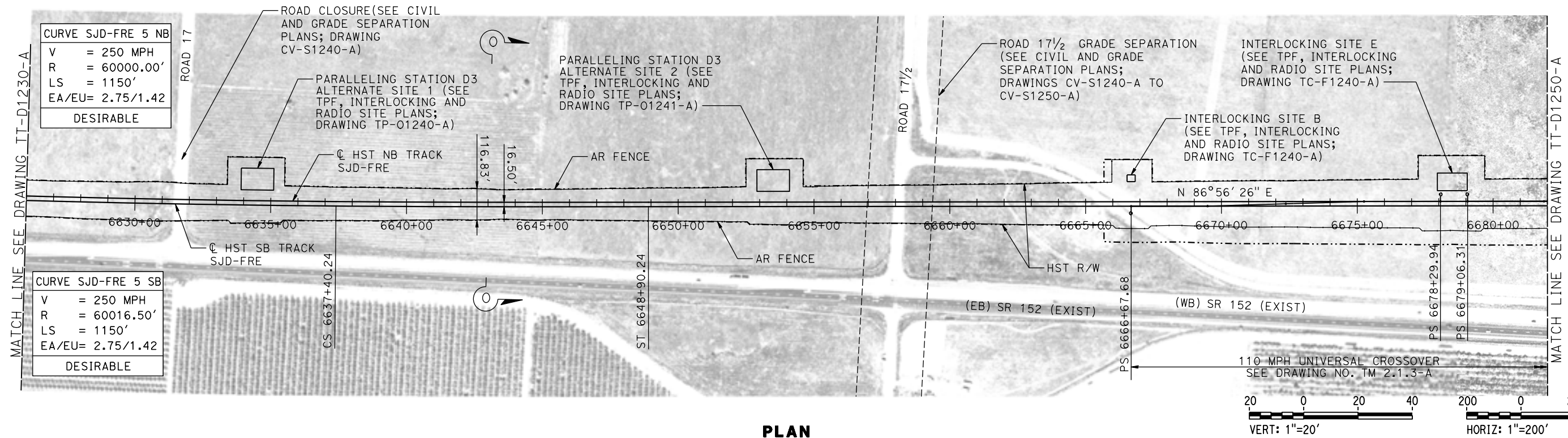
CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1230-A

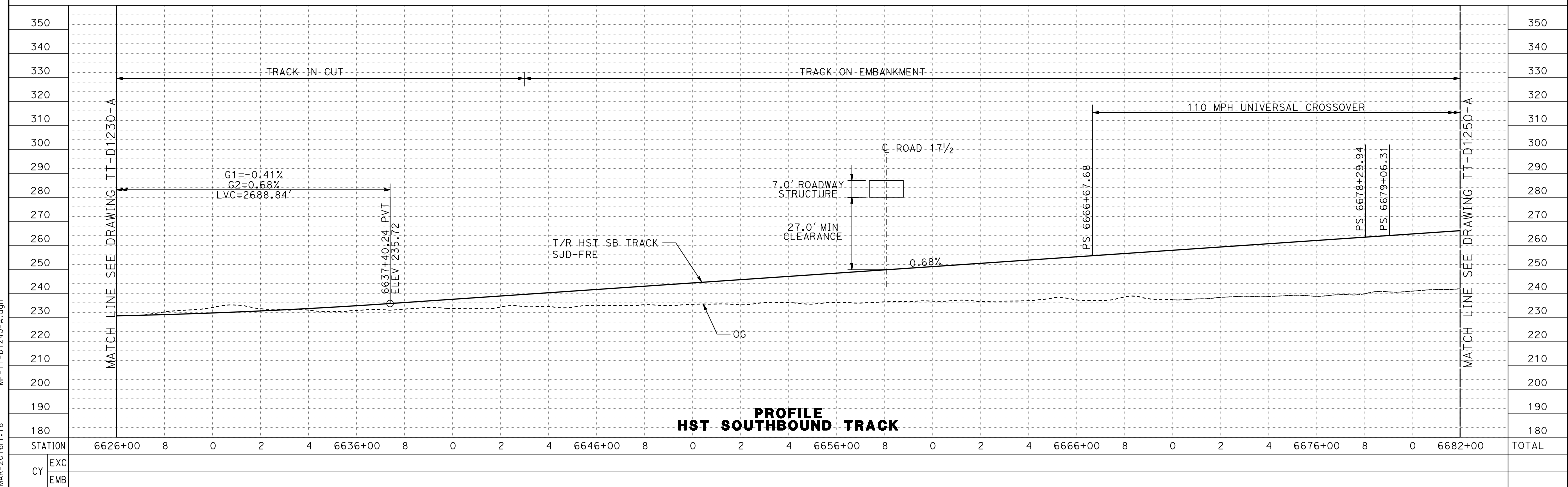
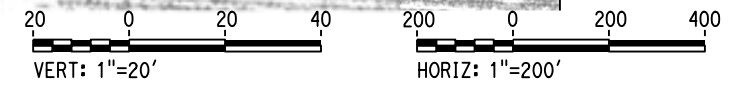
SCALE  
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

STATION	6626+00	8	0	2	4	6636+00	8	0	2	4	6646+00	8	0	2	4	6656+00	8	0	2	4	6666+00	8	0	2	4	6676+00	8	0	6682+00	TOTAL
EXC																														
EMB																														

11-MAR-2016 1:18 MF-TT-D1240-A.dgn

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

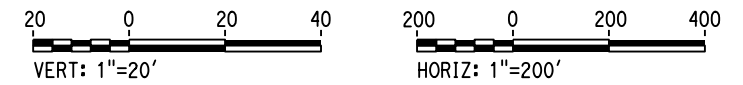
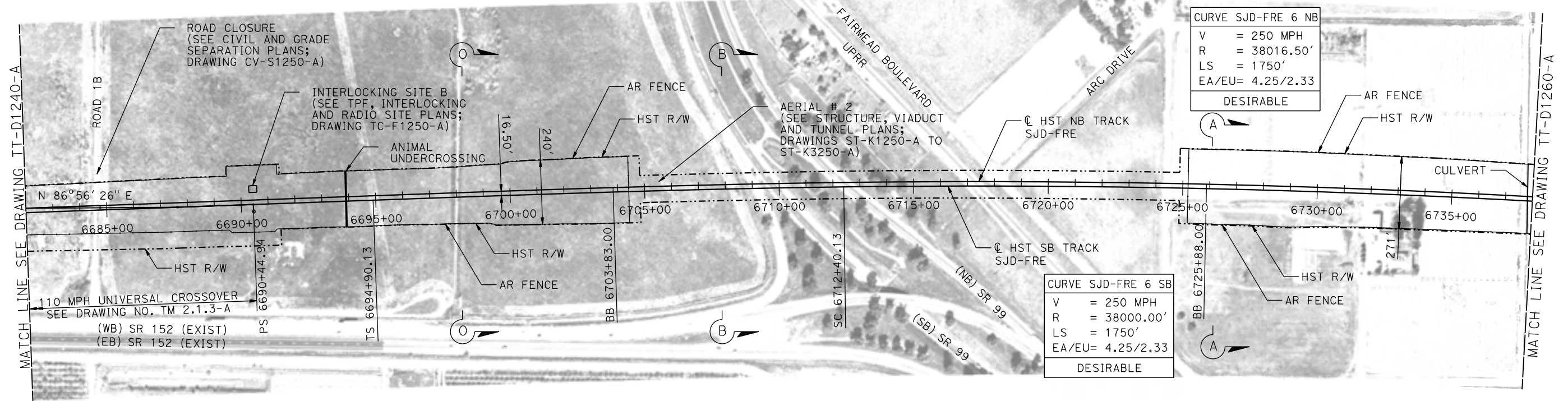
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



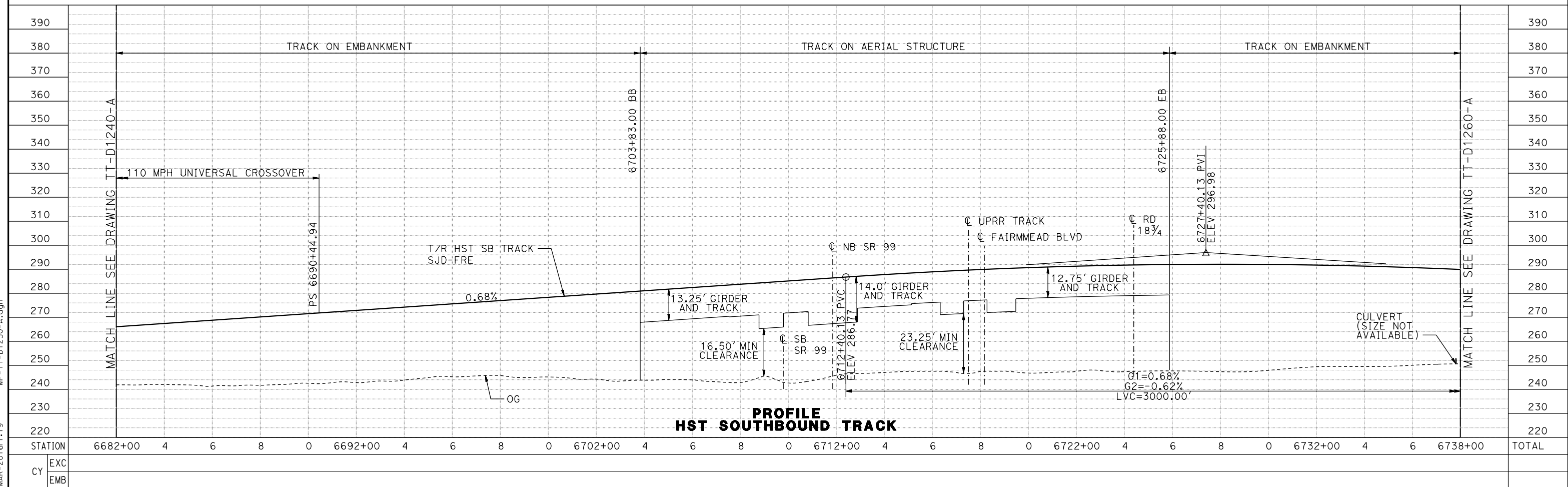
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6626+00 TO 6682+00

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

**MADERA COUNTY**



**PLAN**



**PROFILE  
HST SOUTHBOUND TRACK**

11-MAR-2016 11:19 MF-TT-D1250-A.dgn

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

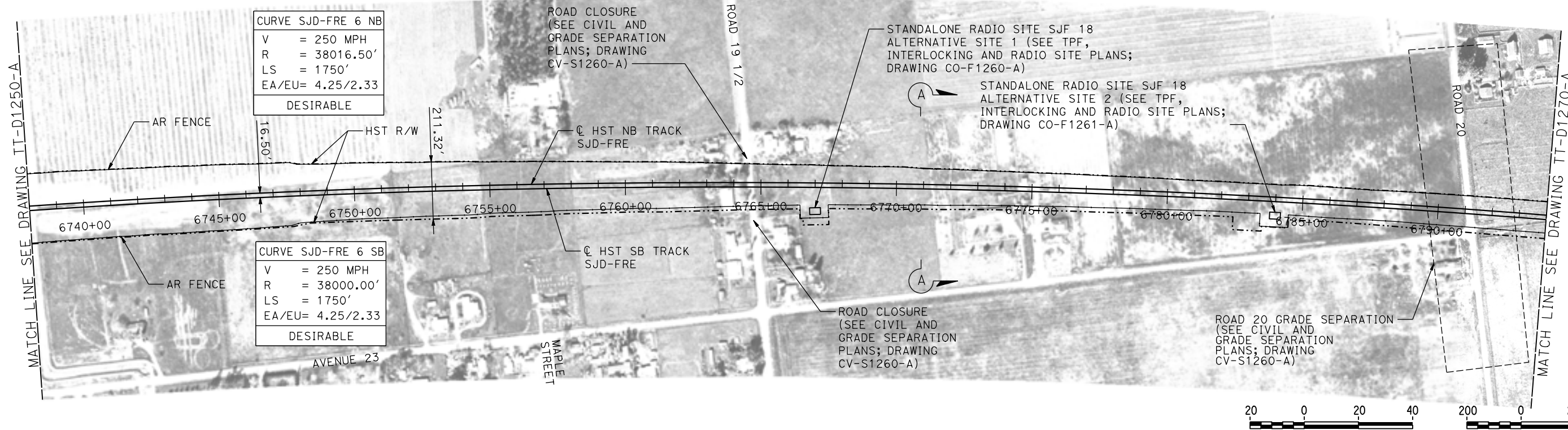
**RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION**



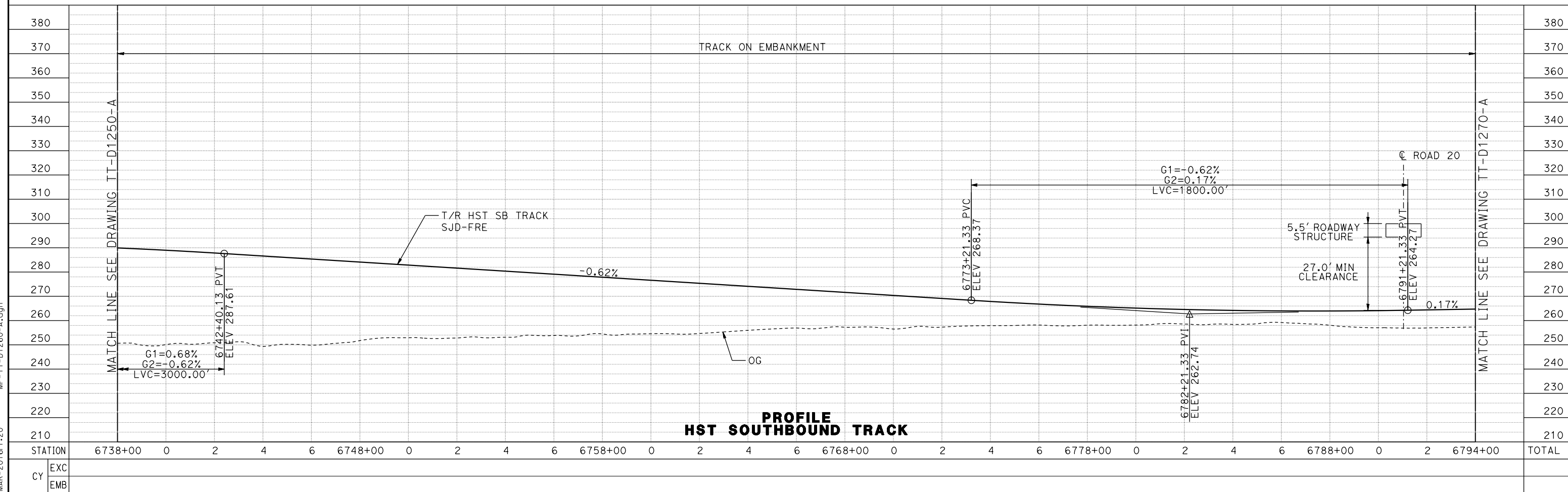
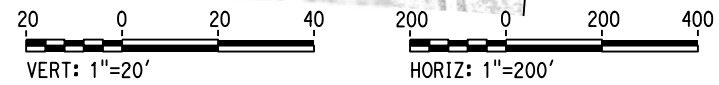
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6682+00 TO 6738+00

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

**FAIRMEAD, MADERA COUNTY**



**PLAN**



**PROFILE  
HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**  
DRAWN BY  
**S. WILSON**  
CHECKED BY  
**N. OUM**  
IN CHARGE  
**C. LEMLEY**  
DATE  
**03/18/2016**

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6738+00 TO 6794+00

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

11-MAR-2016 1:20 MF-TT-D1260-A.dgn

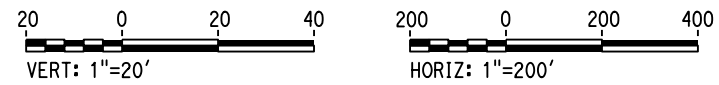
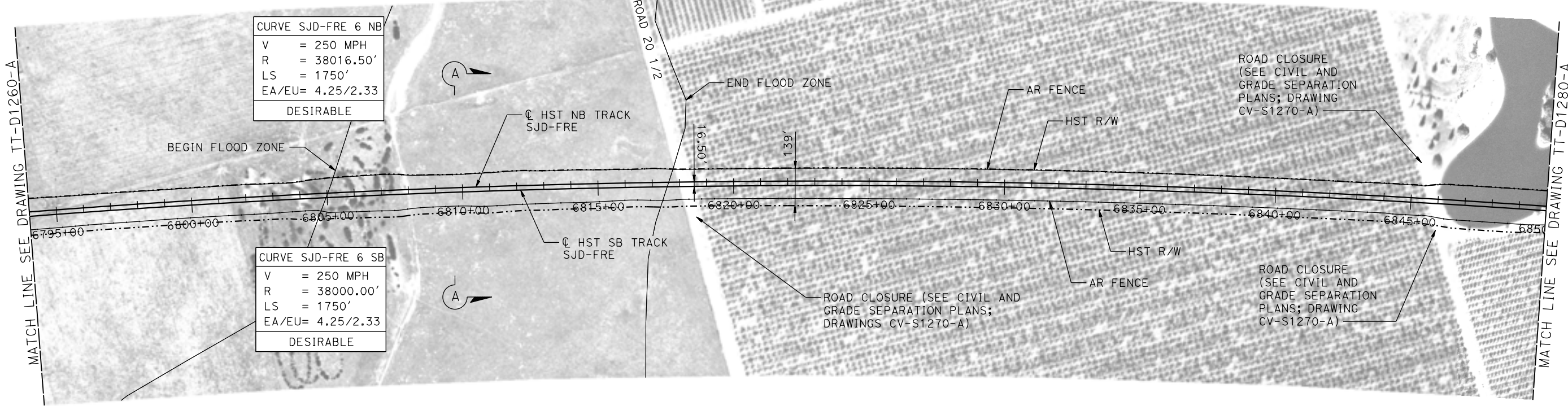
**FAIRMEAD, MADERA COUNTY**

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

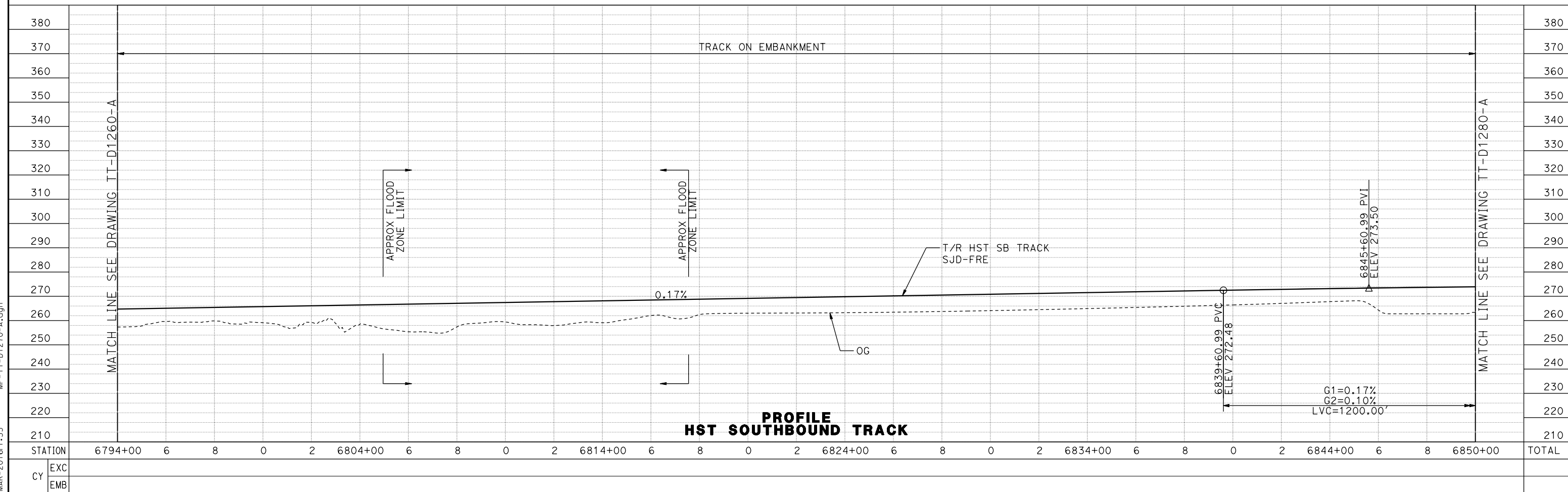
CURVE SJD-FRE 6 SB  
 V = 250 MPH  
 R = 38000.00'  
 LS = 1750'  
 EA/EU= 4.25/2.33  
 DESIRABLE

ROAD CLOSURE  
 (SEE CIVIL AND  
 GRADE SEPARATION  
 PLANS; DRAWING  
 CV-S1270-A)

ROAD CLOSURE  
 (SEE CIVIL AND  
 GRADE SEPARATION  
 PLANS; DRAWING  
 CV-S1270-A)



**PLAN**



**PROFILE  
 HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
 15% DESIGN  
 SUBMITTAL**

**NOT FOR  
 CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 6794+00 TO 6850+00

CONTRACT NO.  
HSR08-05

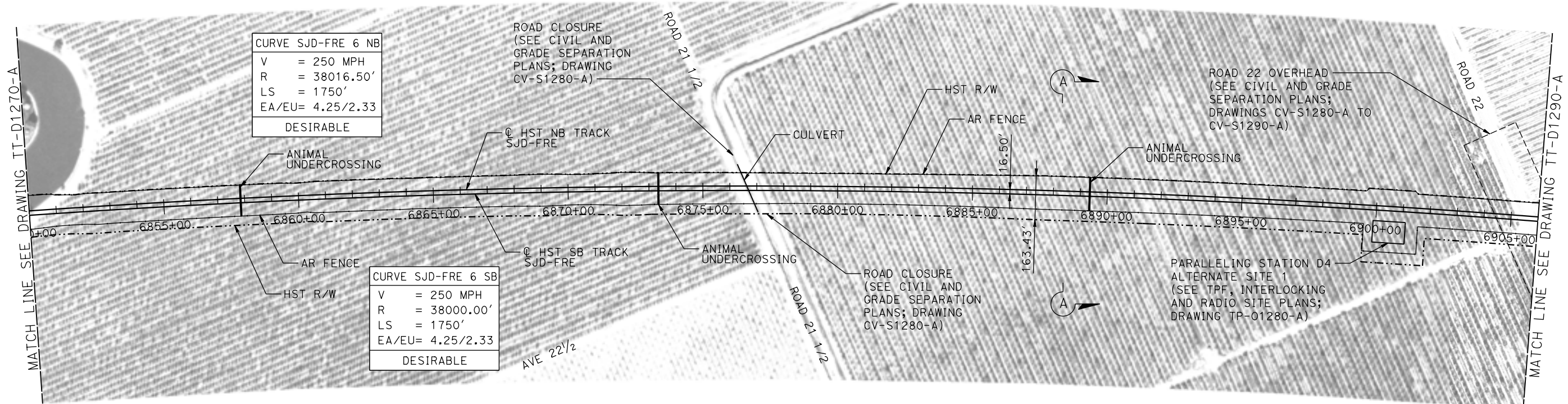
DRAWING NO.  
TT-D1270-A

SCALE  
AS SHOWN

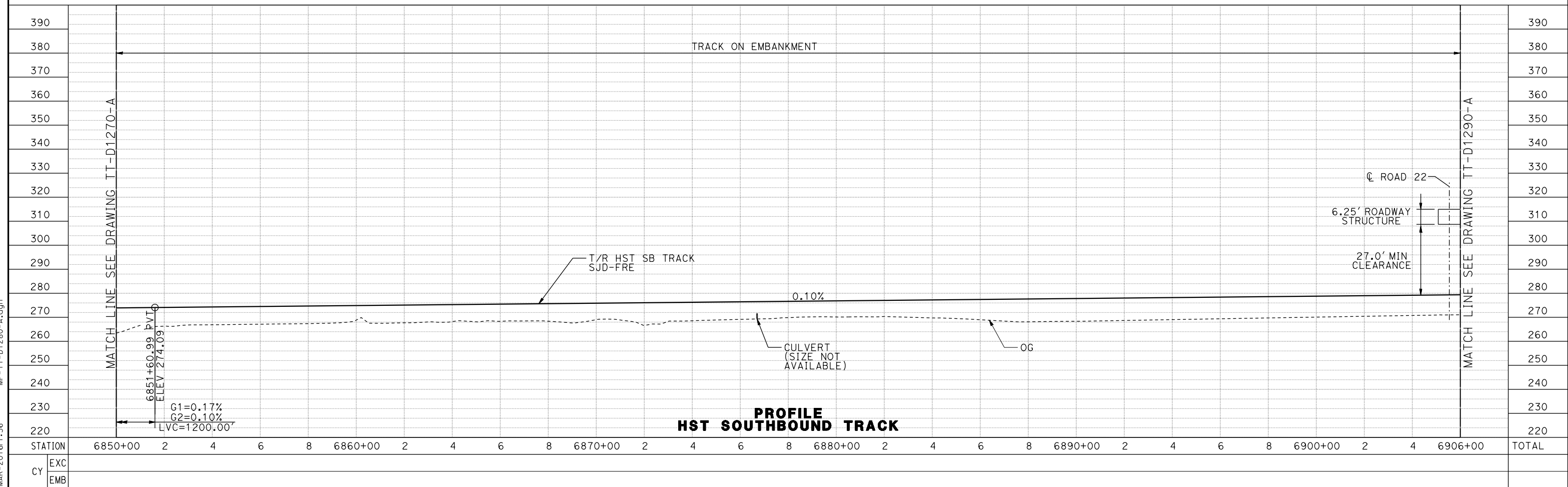
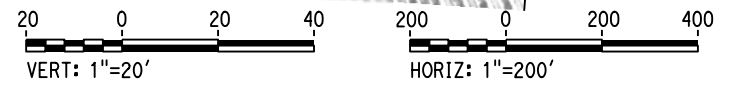
SHEET NO.

11-MAR-2016 1:35 MF-TT-D1270-A.dgn

MADERA COUNTY



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**T. JAMES**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 6850+00 TO 6906+00

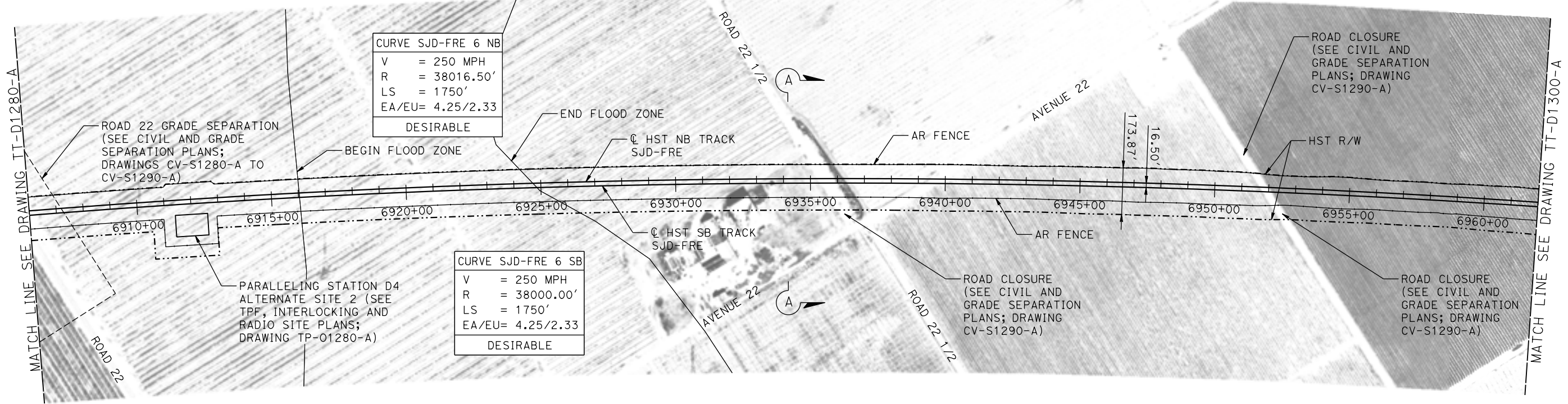
CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1280-A

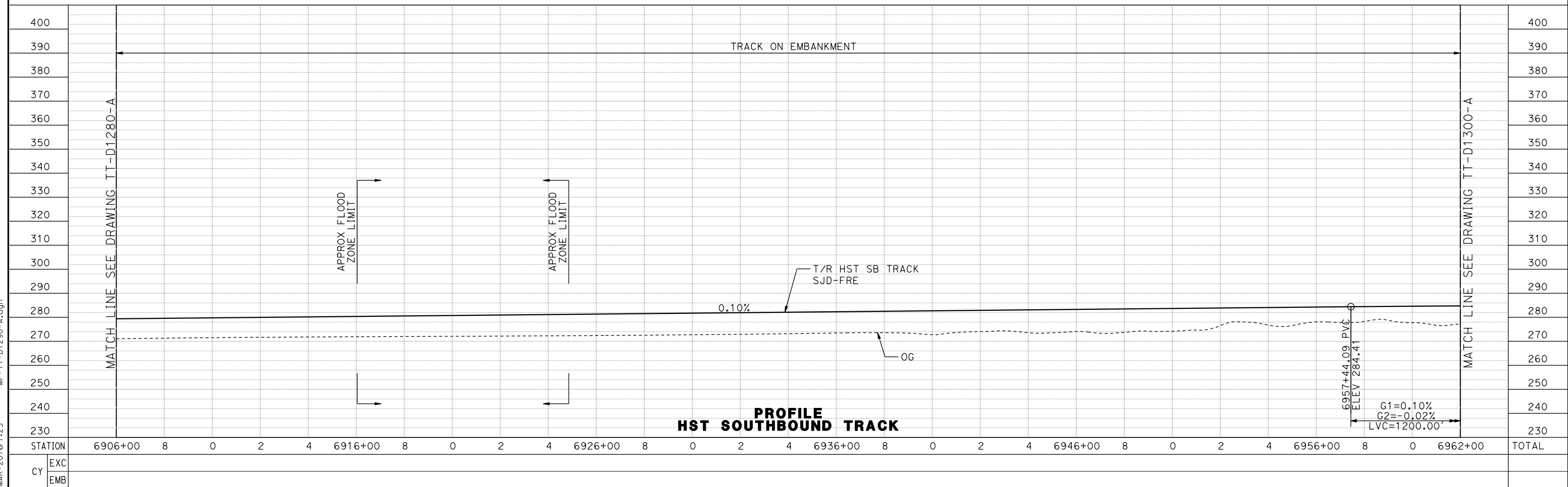
SCALE  
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

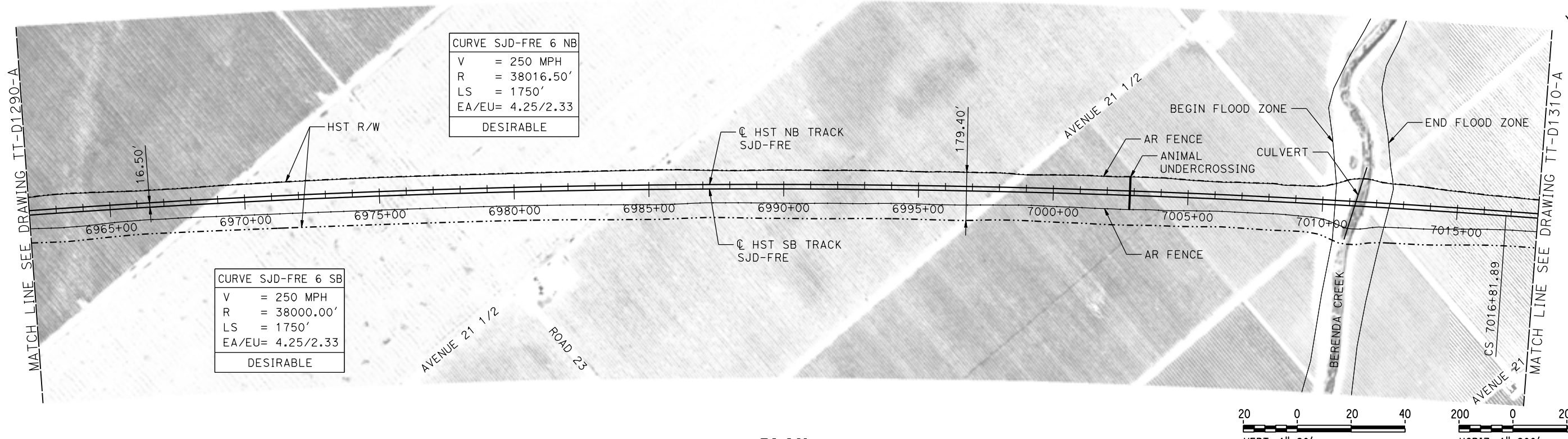


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 6906+00 TO 6962+00

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



MADERA COUNTY

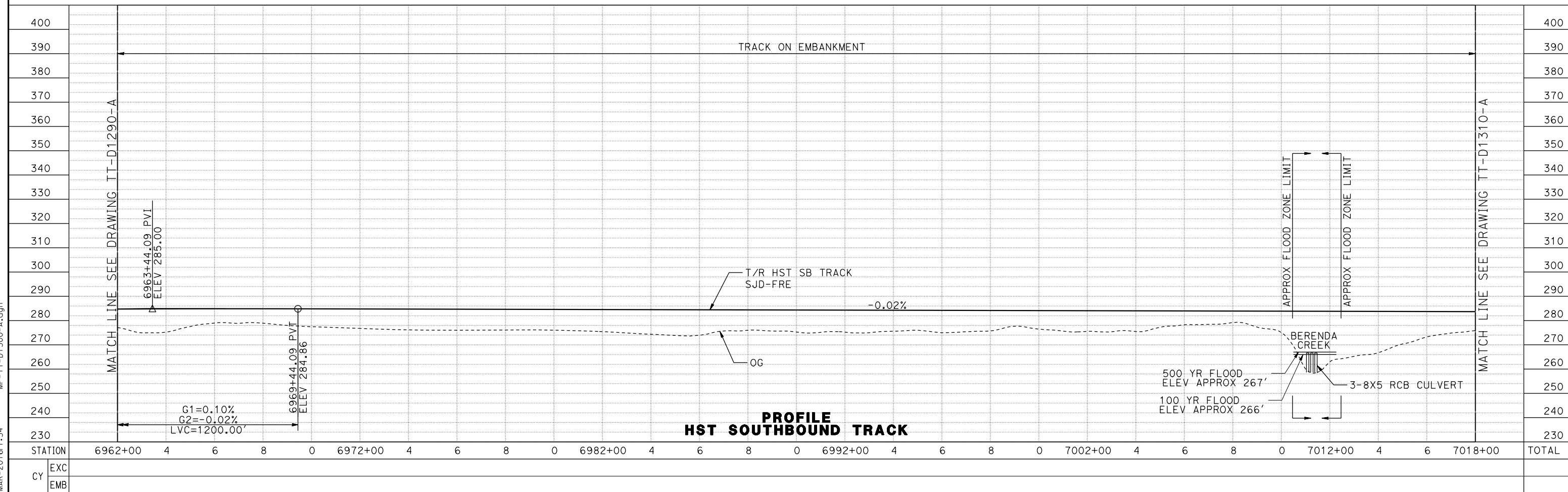


CURVE SJD-FRE 6 NB  
 V = 250 MPH  
 R = 38016.50'  
 LS = 1750'  
 EA/EU = 4.25/2.33  
 DESIRABLE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
 15% DESIGN  
 SUBMITTAL  
  
**NOT FOR  
 CONSTRUCTION**

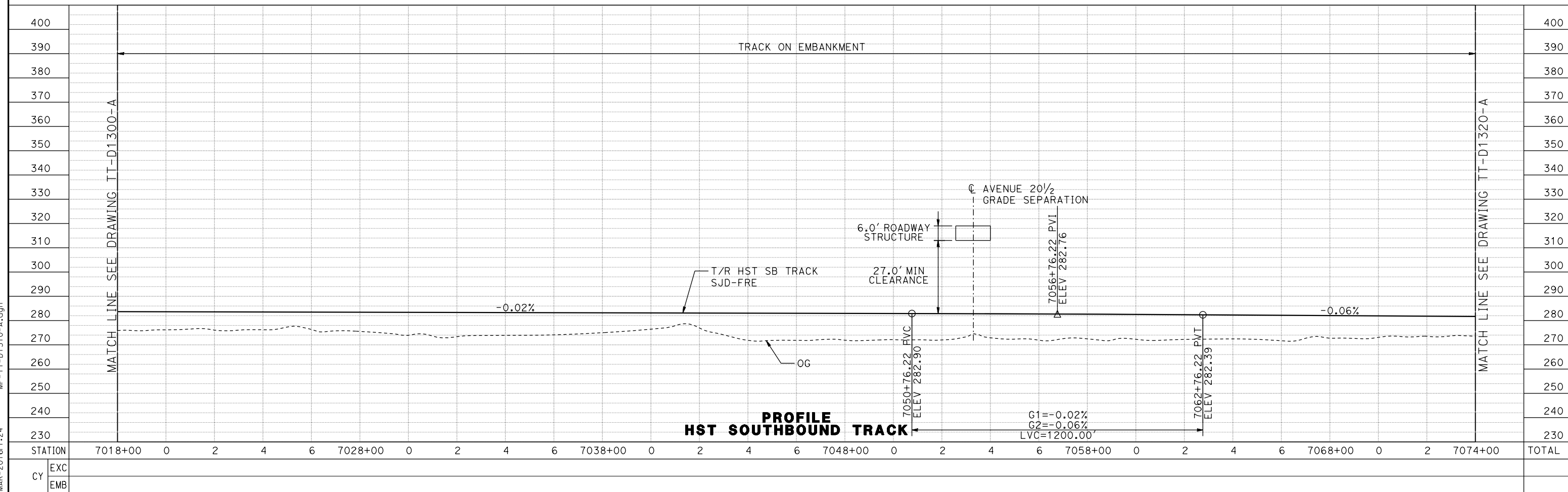
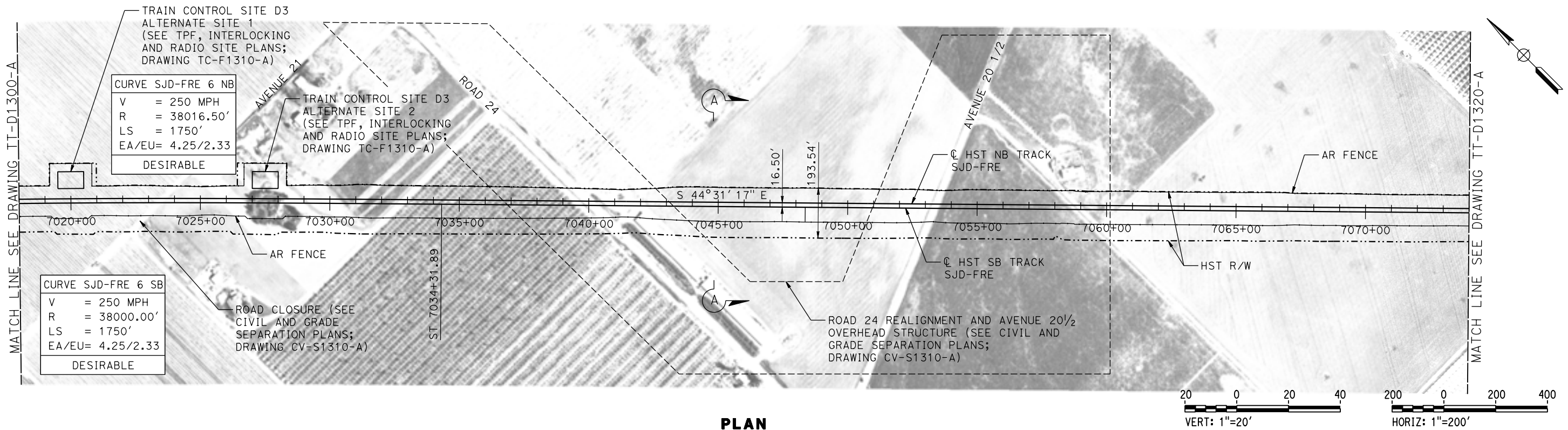


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 SJD-FRE STA 6962+00 TO 7018+00

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

16-MAR-2016 1:34 MF-TT-D1300-A.dgn

MADERA COUNTY



11-MAR-2016 1:24 MF-TT-D1310-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**T. JAMES**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

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

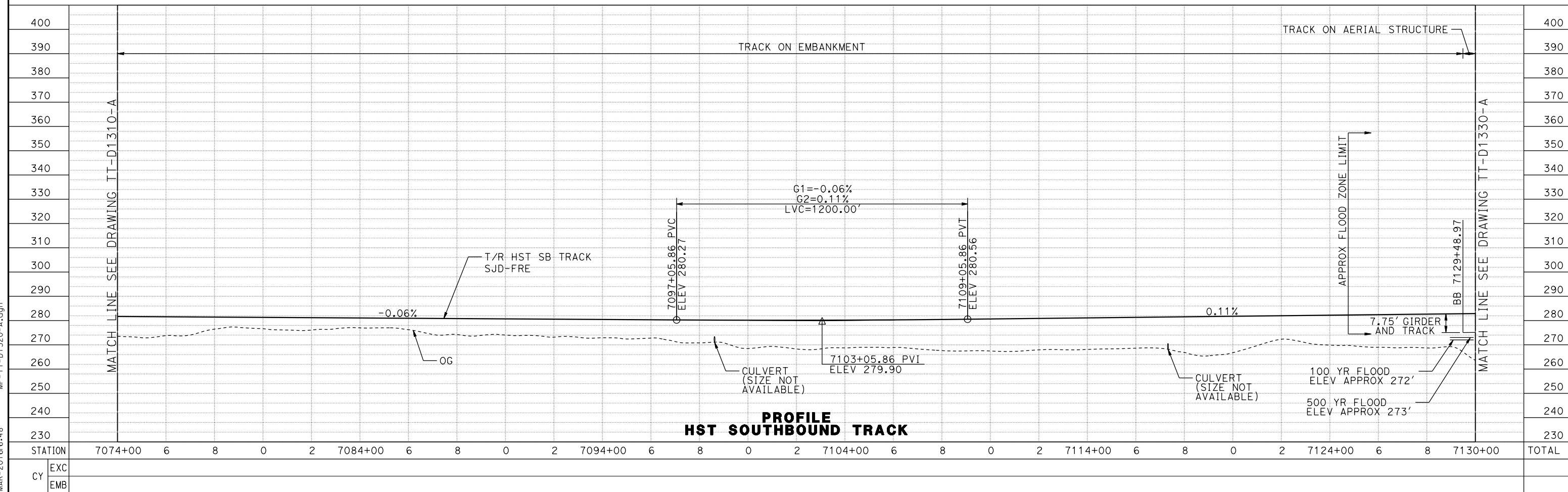
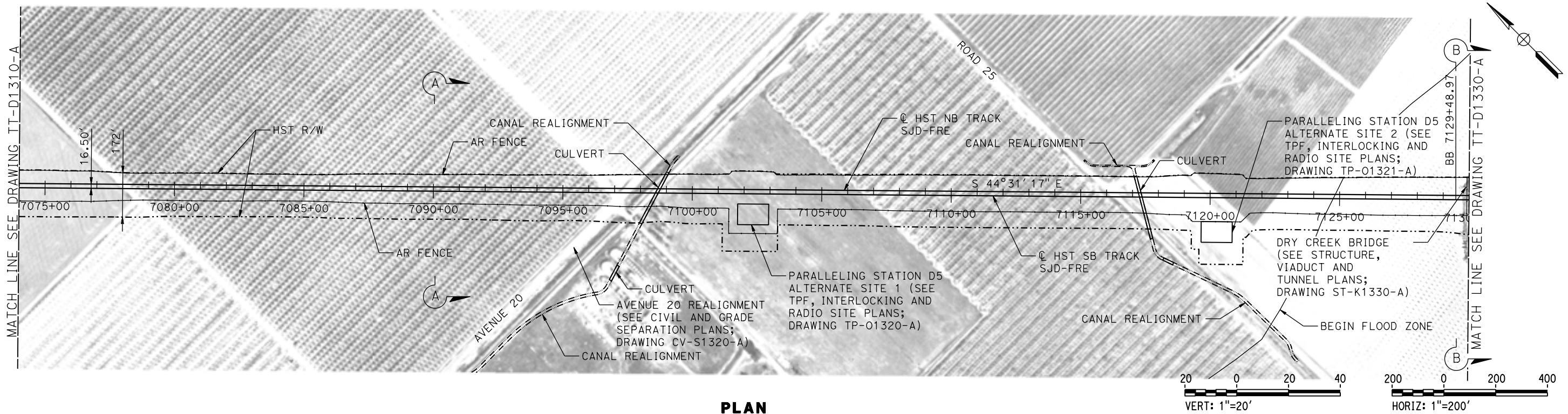
CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1310-A

SCALE  
AS SHOWN

SHEET NO.

MADERA COUNTY



11-MAR-2016 16:48 MF-TT-D1320-A.dgn

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

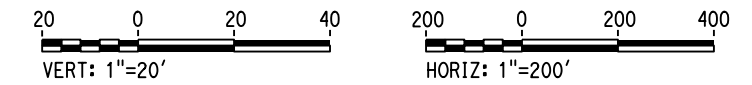
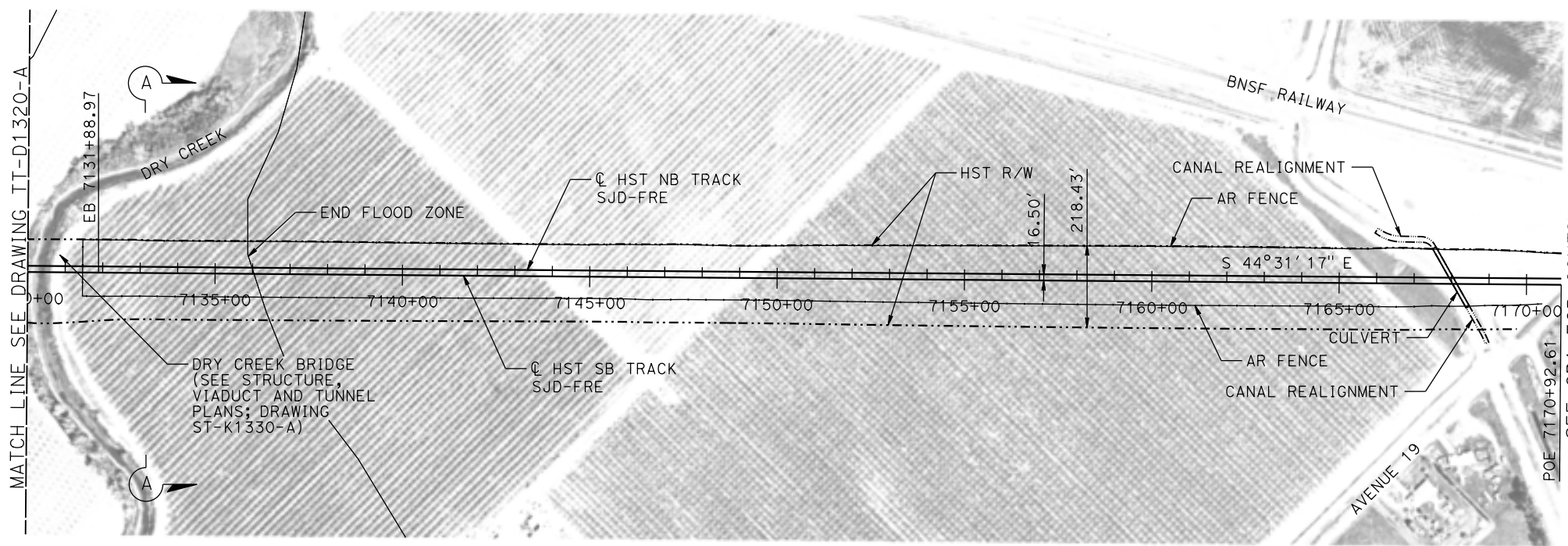
**NOT FOR**  
**CONSTRUCTION**



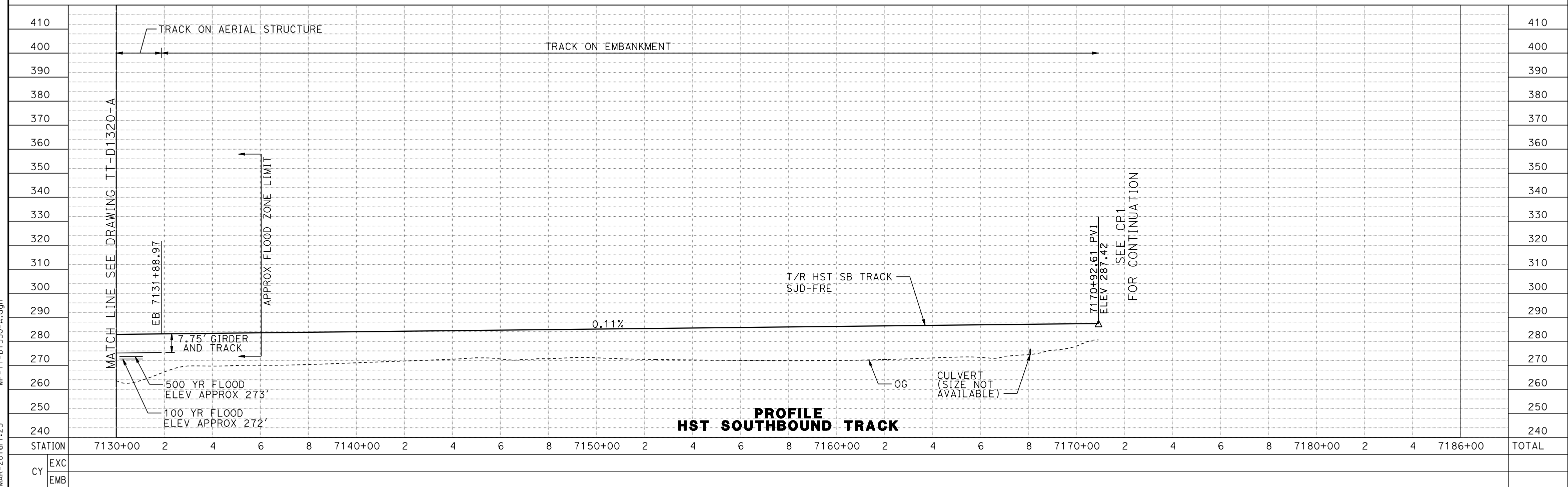
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 7074+00 TO 7130+00

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

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

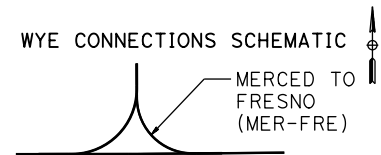
**NOT FOR**  
**CONSTRUCTION**



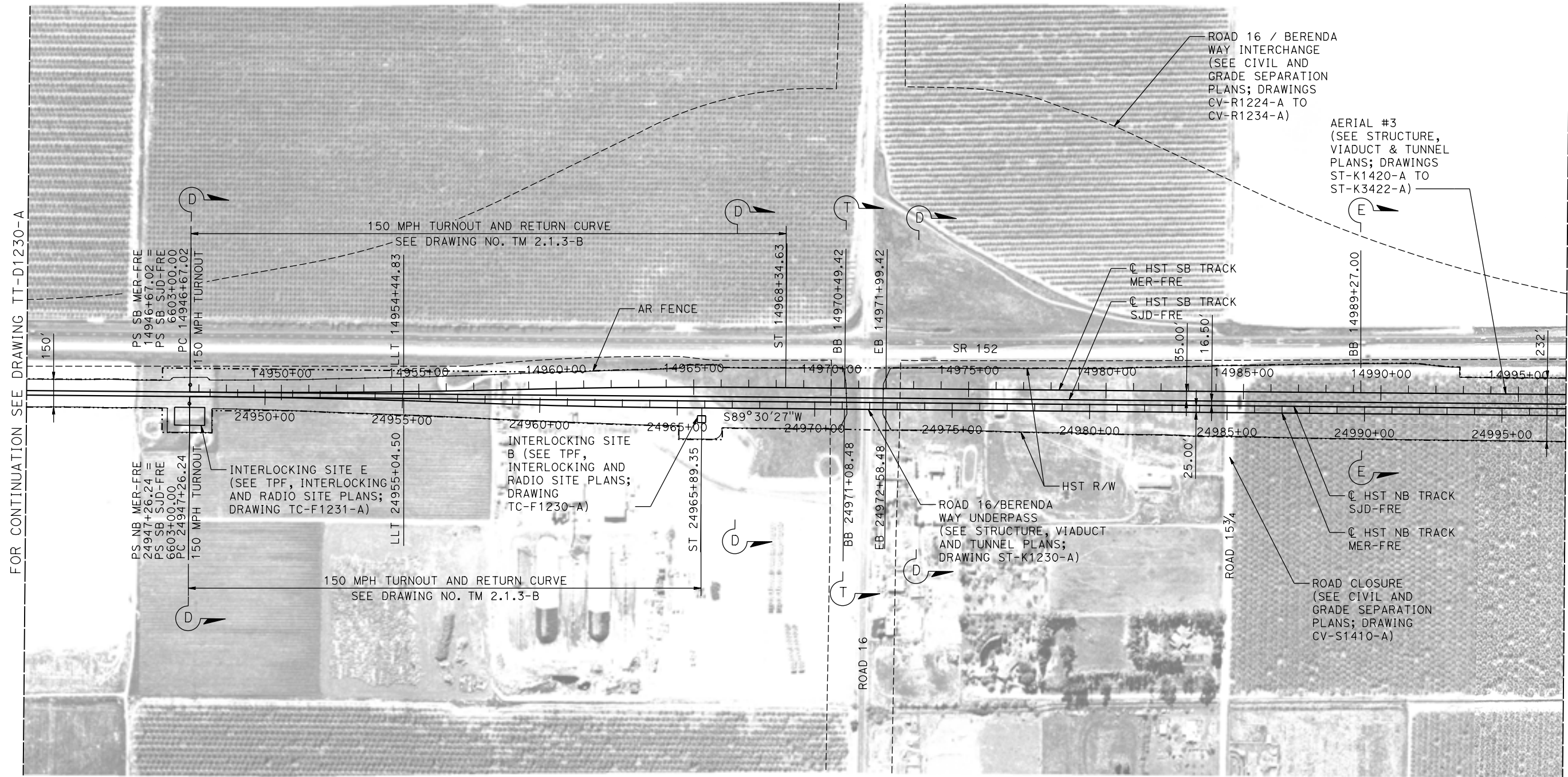
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
SJD-FRE STA 7130+00 TO 7170+92.61

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

11-MAR-2016 1:25 MF-TT-D1330-A.dgn



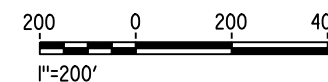
MADERA COUNTY



FOR CONTINUATION SEE DRAWING TT-D1230-A

MATCH LINE SEE DRAWING TT-D1420-A

PLAN



07-MAR-2016 4:33 MF-TT-D1410-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
MER-FRE STA 14940+00 TO 14996+00

CONTRACT NO.  
HSR08-05

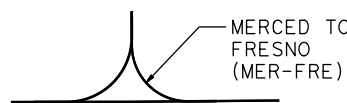
DRAWING NO.  
TT-D1410-A

SCALE  
AS SHOWN

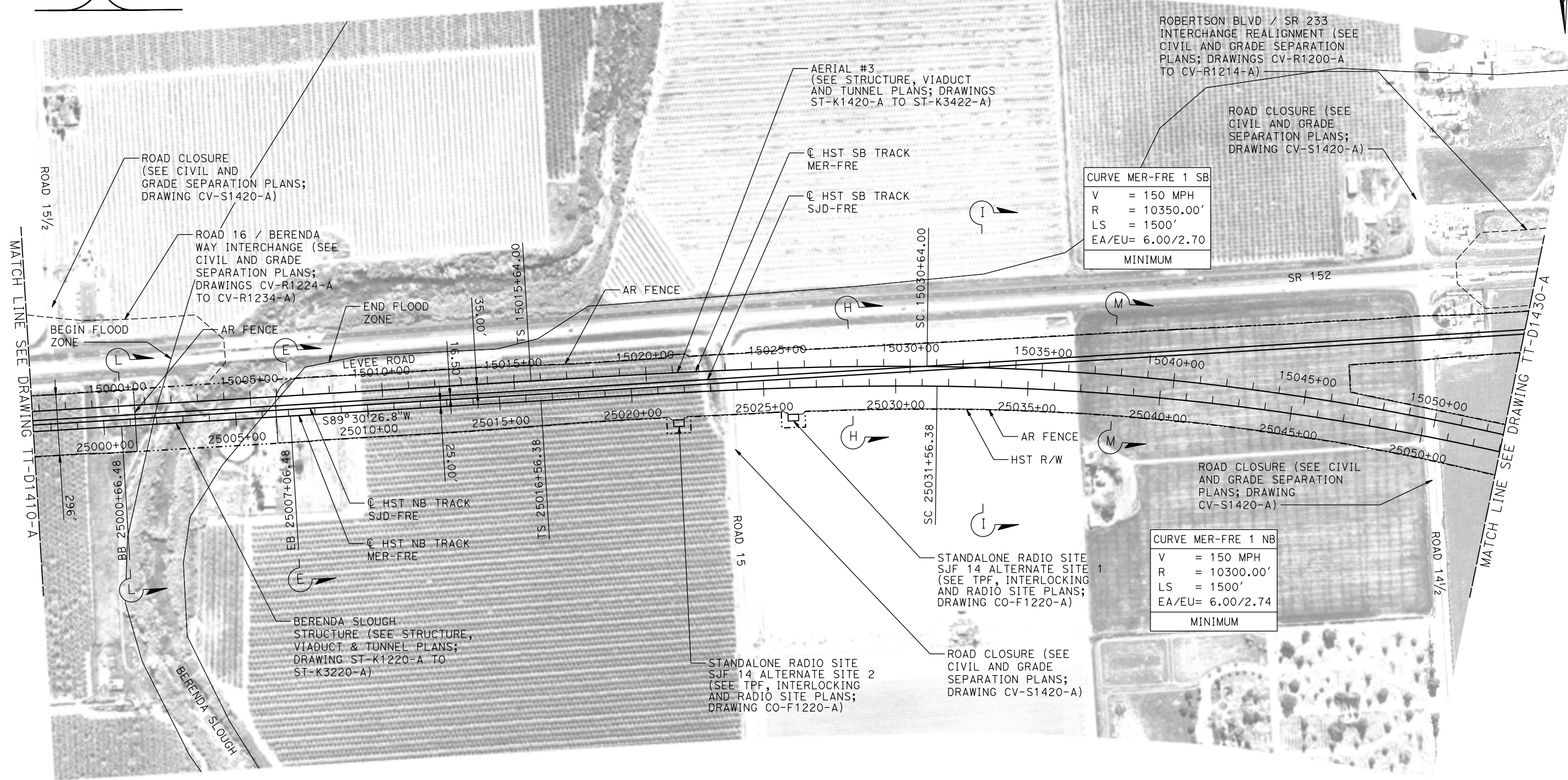
SHEET NO.



WYE CONNECTIONS SCHEMATIC



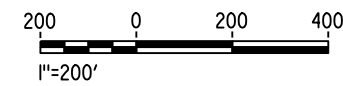
MADERA COUNTY



CURVE MER-FRE 1 SB	
V	= 150 MPH
R	= 10350.00'
LS	= 1500'
EA/EU	= 6.00/2.70
MINIMUM	

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

PLAN



16-MAR-2016 11:35 MF-TT-D1420-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

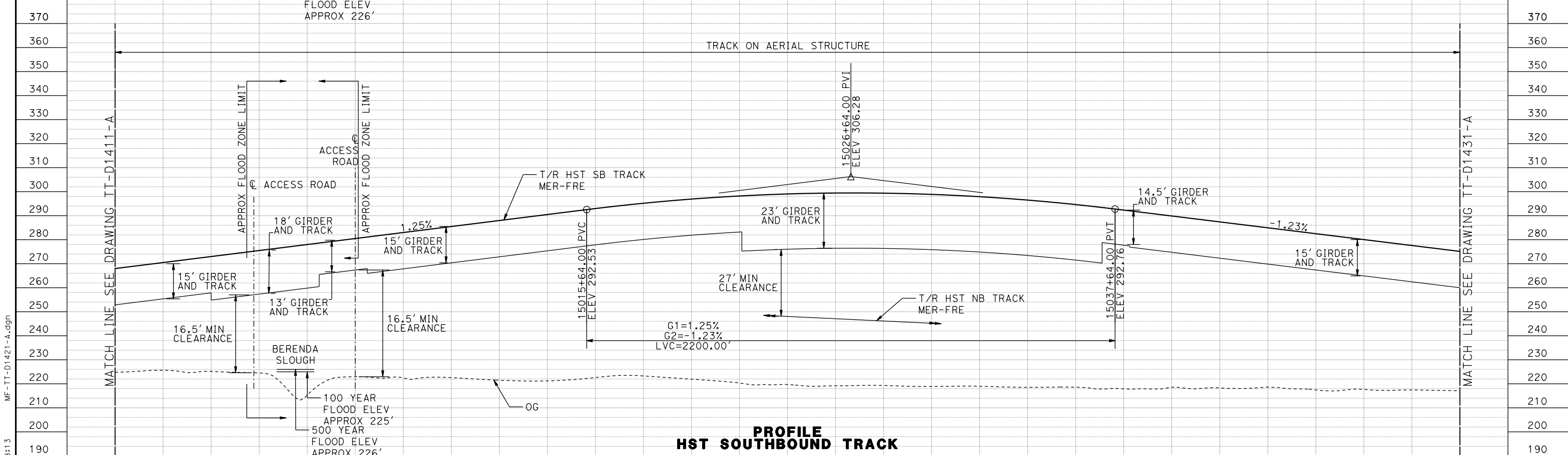
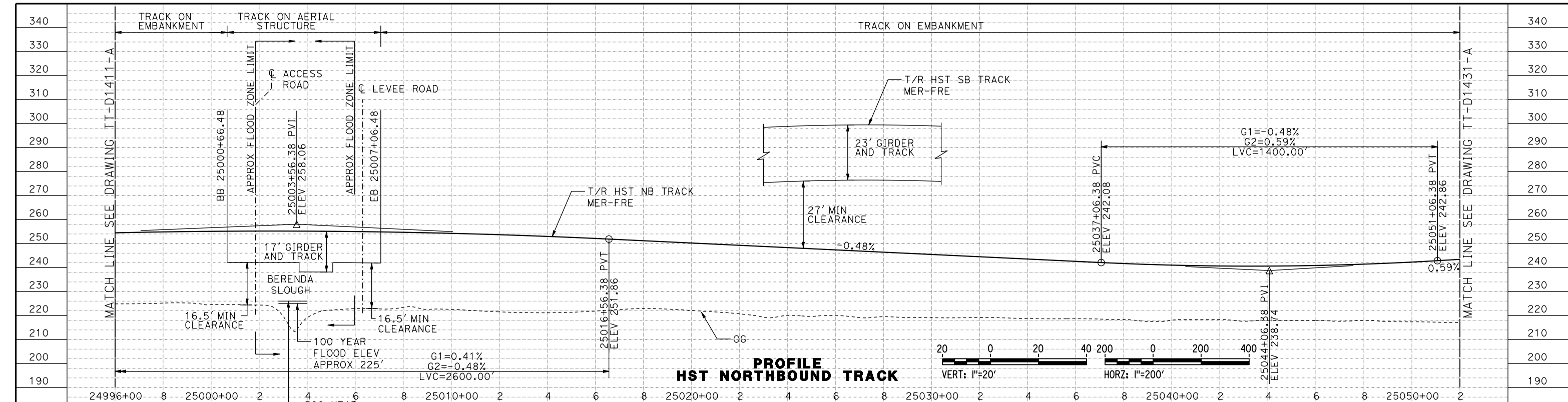
**NOT FOR**  
**CONSTRUCTION**



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

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

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



STATION	14996+00	8	15000+00	2	4	6	8	15010+00	2	4	6	8	15020+00	2	4	6	8	15030+00	2	4	6	8	15040+00	2	4	6	8	15050+00	2	TOTAL
EXC																														
EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

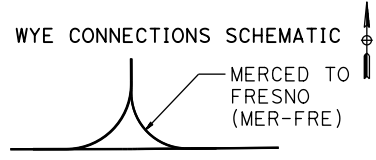


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PROFILE  
MER-FRE STA 14996+00 TO 15052+00

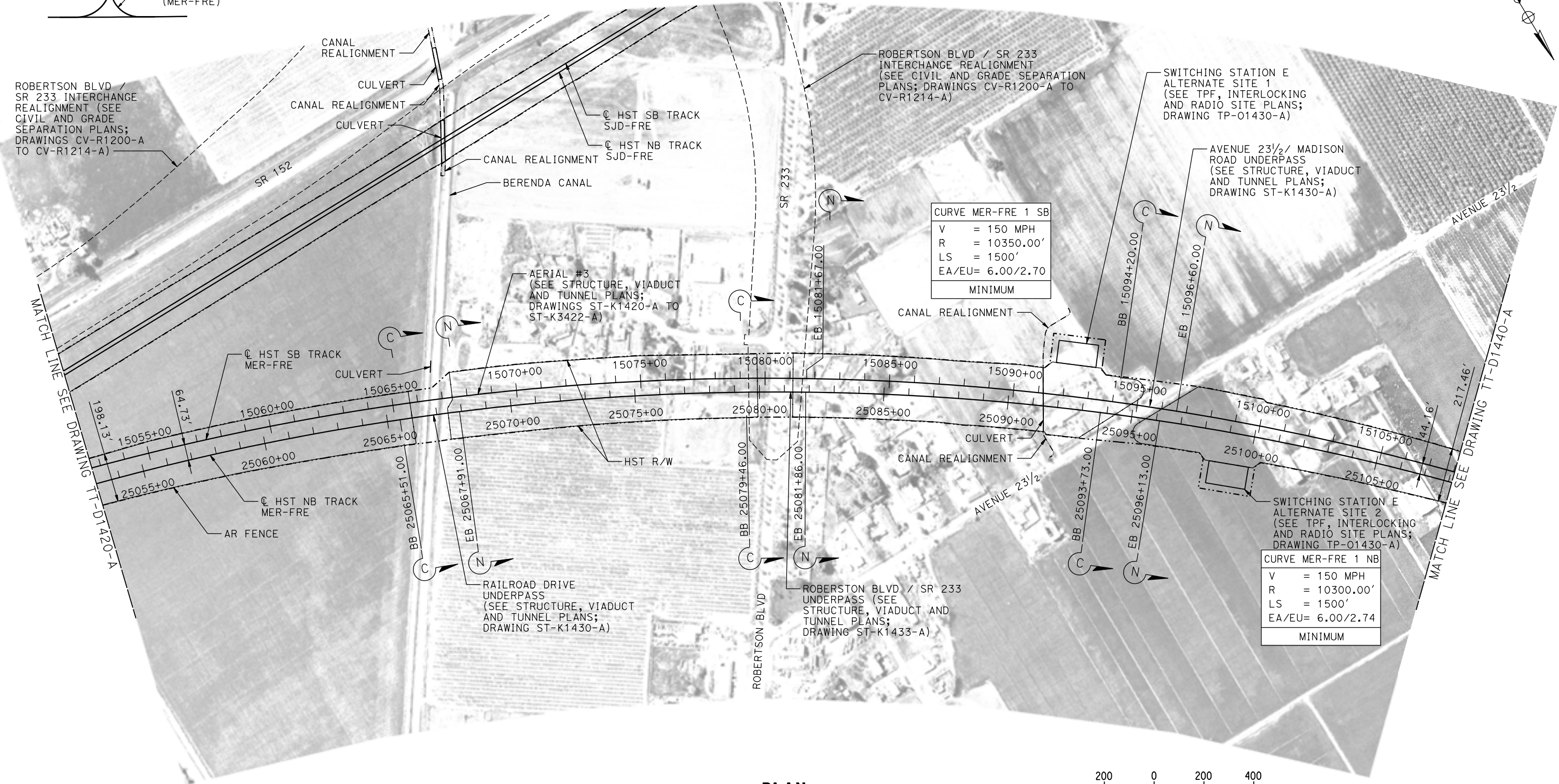
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1421-A  
SCALE  
AS SHOWN  
SHEET NO.

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

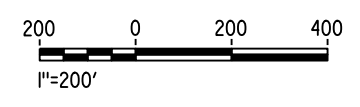




MADERA COUNTY



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

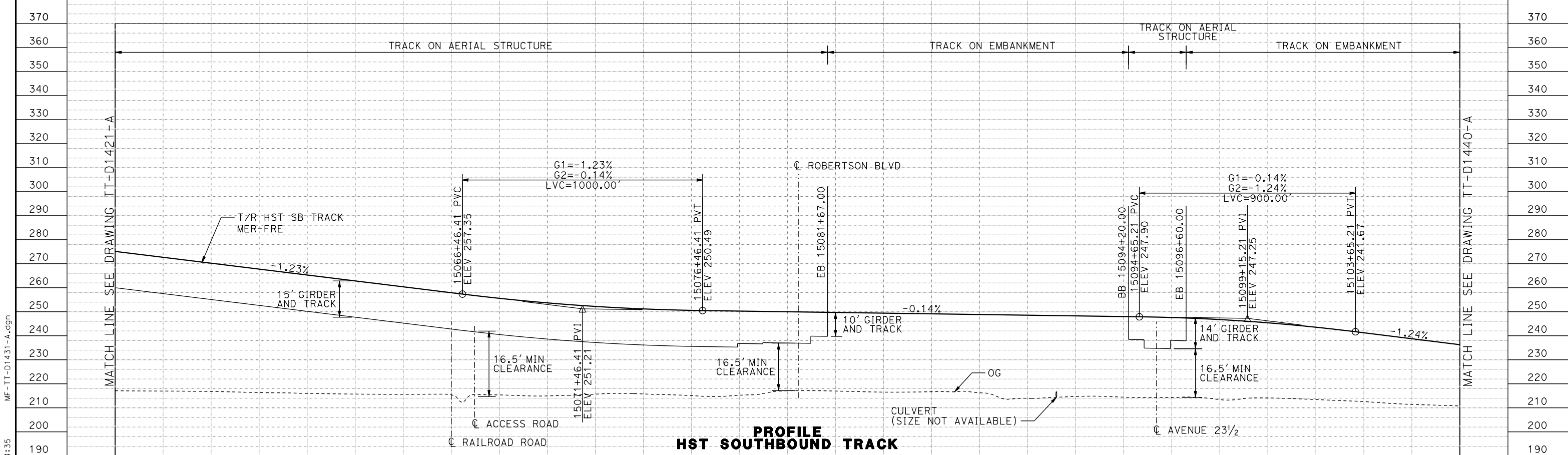
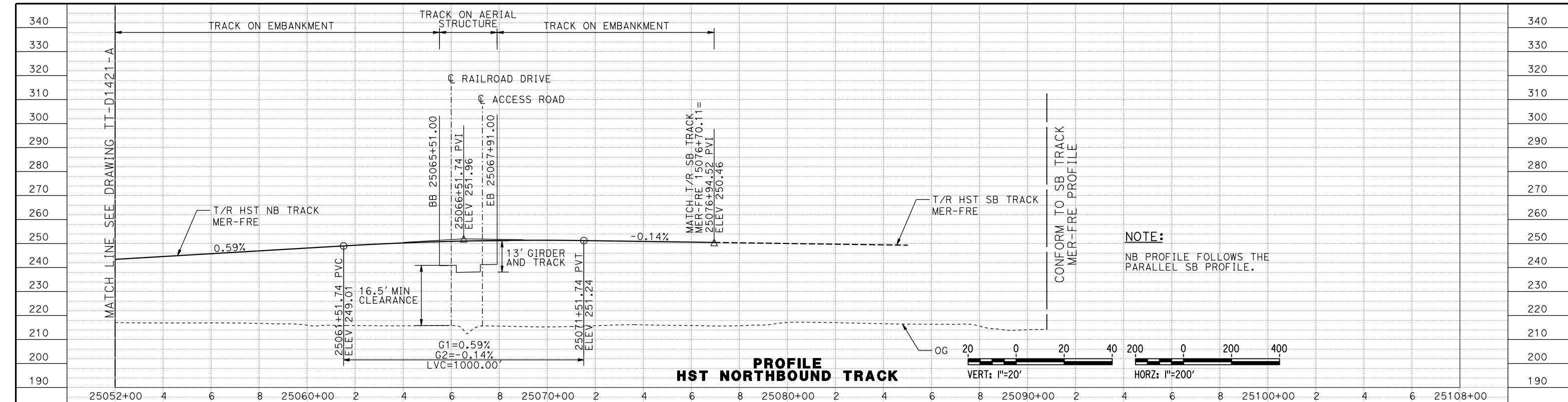
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
MER-FRE STA 15052+00 TO 15108+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1430-A

SCALE  
AS SHOWN

SHEET NO.

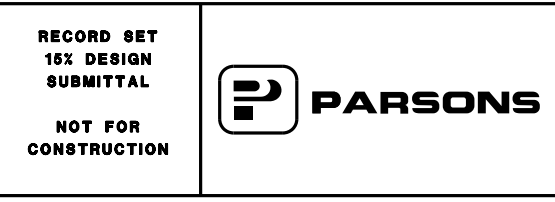


STATION	15052+00	4	6	8	15060+00	2	4	6	8	15070+00	2	4	6	8	15080+00	2	4	6	8	15090+00	2	4	6	8	15100+00	2	4	6	15108+00	TOTAL
EXC																														
EMB																														

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

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**



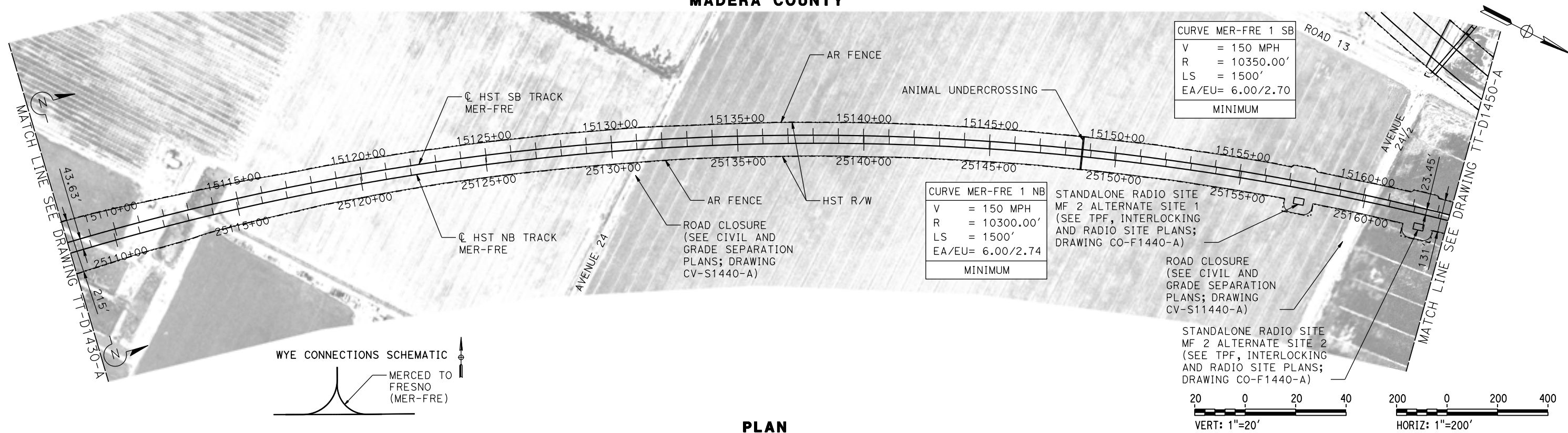
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PROFILE  
MER-FRE STA 15052+00 TO 15108+00

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

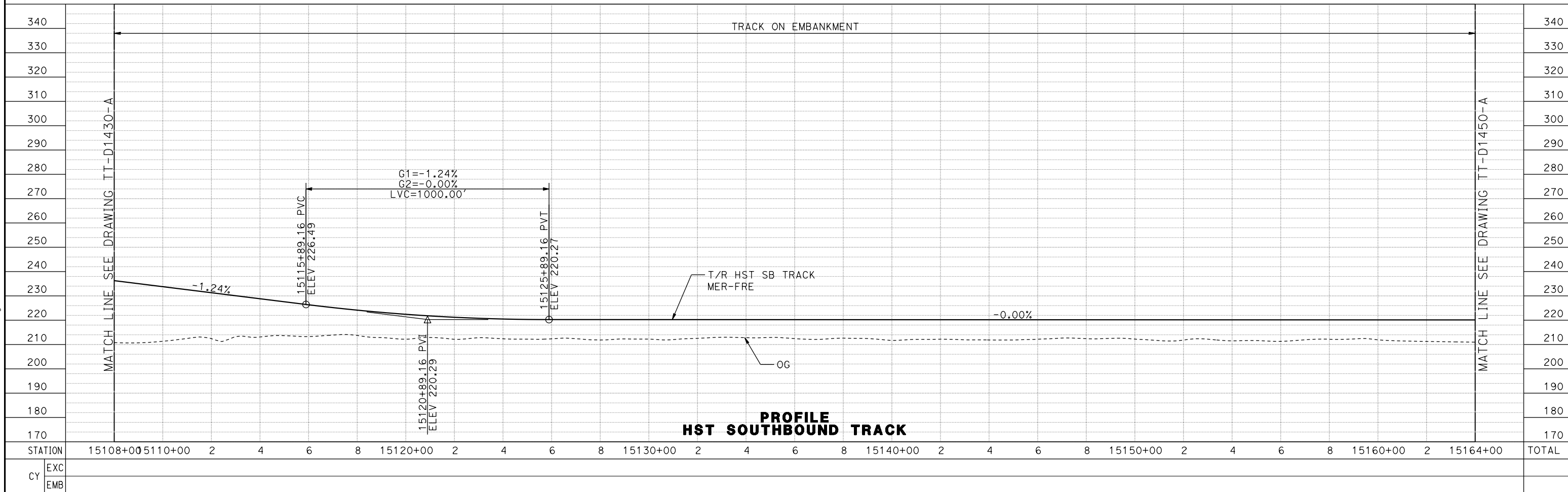
07-MAR-2016 16:41:35 MF-TT-D1431-A.dgn

00042226

MADERA COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

STATION	15108+00	5110+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																														

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

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**

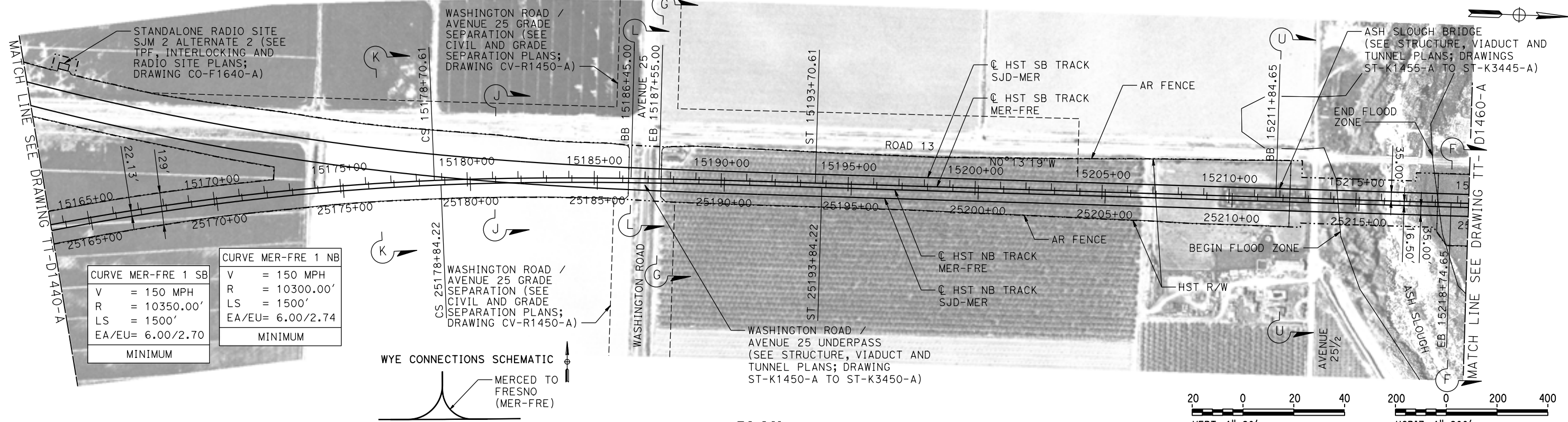


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15108+00 TO 15164+00

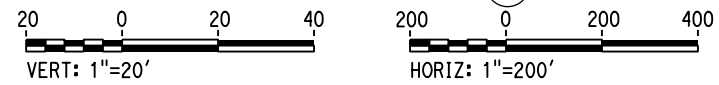
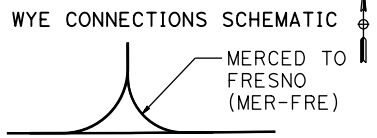
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1440-A
SCALE	AS SHOWN
SHEET NO.	

10-MAR-2016 08:24 MF-TT-D1440-A.dgn

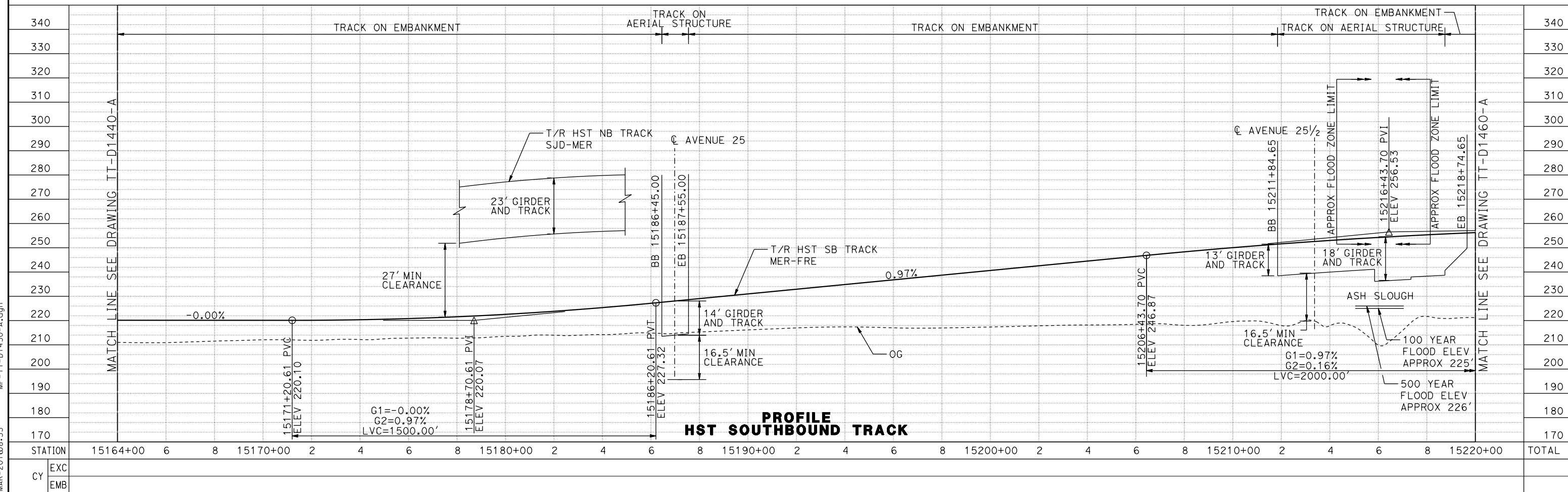
MADERA COUNTY



CURVE MER-FRE 1 SB		CURVE MER-FRE 1 NB	
V = 150 MPH	R = 10350.00'	V = 150 MPH	R = 10300.00'
LS = 1500'	EA/EU= 6.00/2.70	LS = 1500'	EA/EU= 6.00/2.74
MINIMUM		MINIMUM	



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



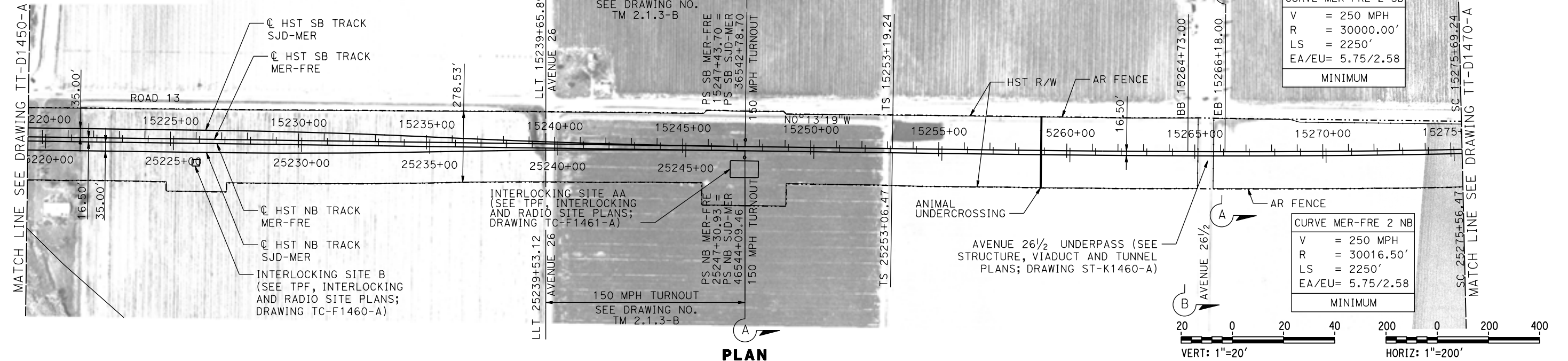
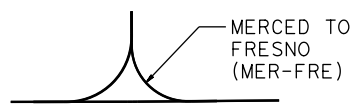
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15164+00 TO 15220+00

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

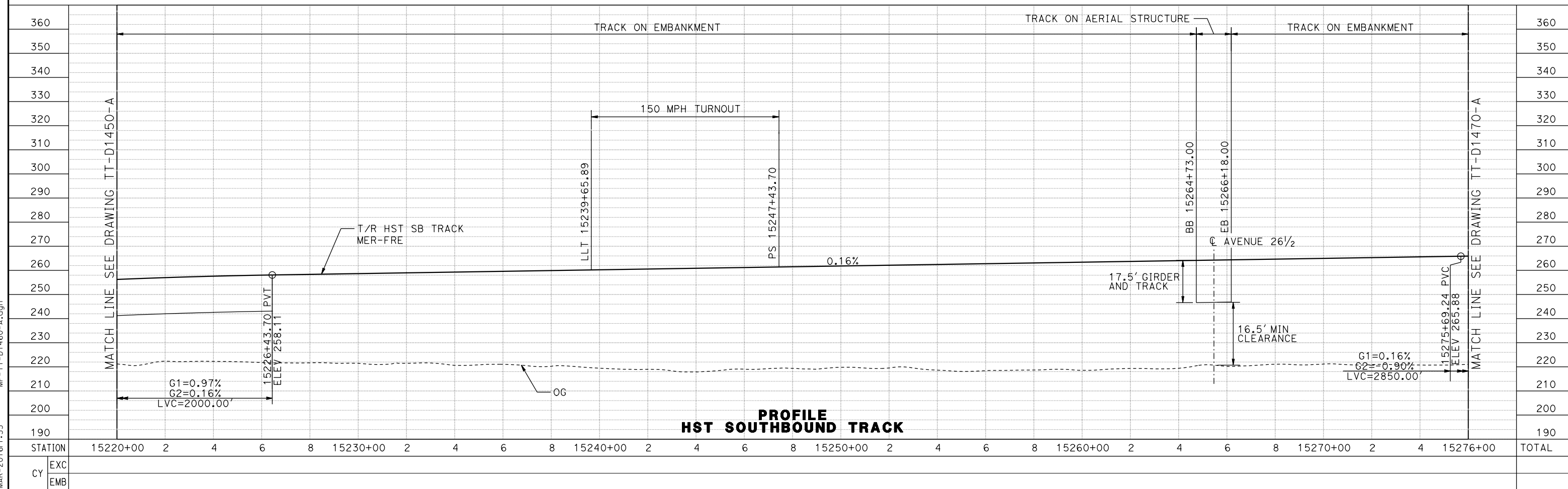
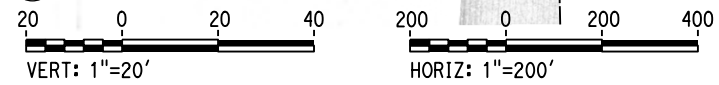
10-MAR-2016 08:33 MF-TT-D1450-A.dgn

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

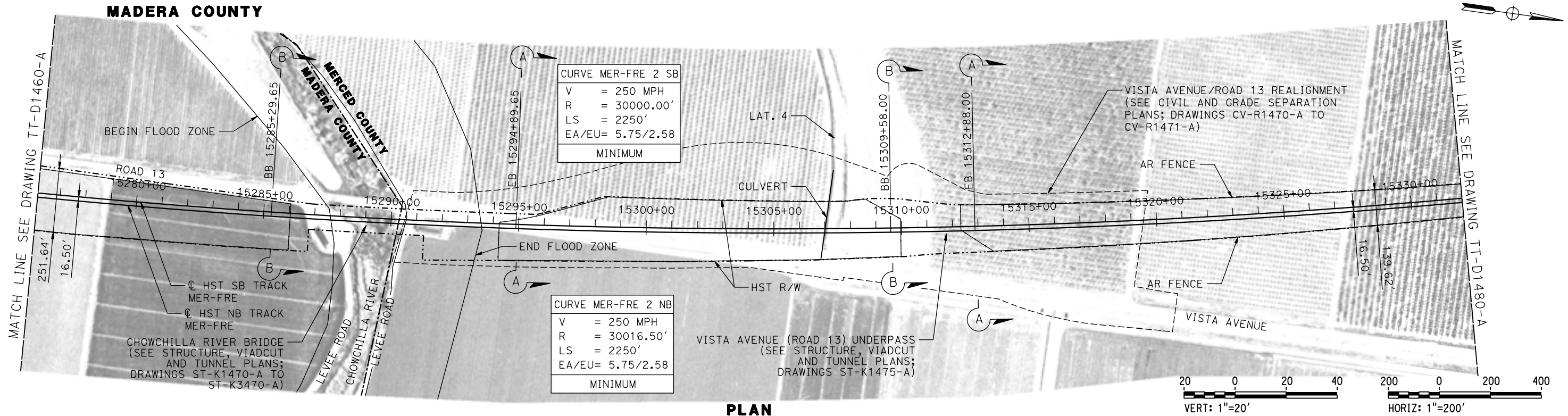


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 MER-FRE STA 15220+00 TO 15276+00

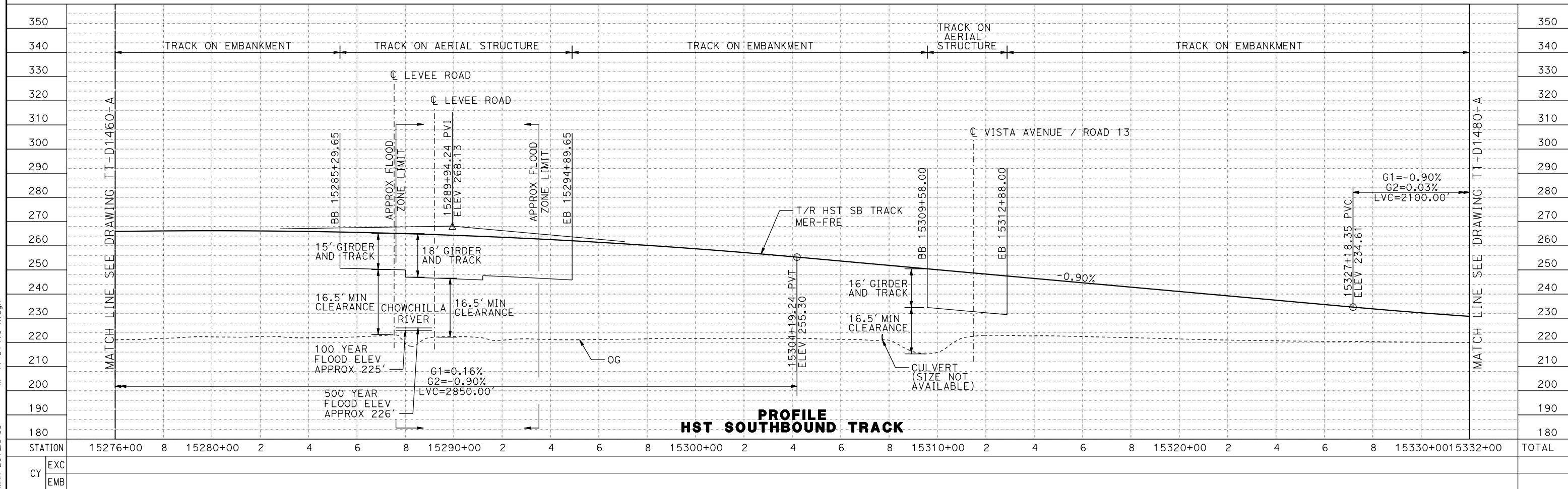
CONTRACT NO.  
HSR08-05  
 DRAWING NO.  
TT-D1460-A  
 SCALE  
AS SHOWN  
 SHEET NO.

16-MAR-2016 1:35 MF-TT-D1460-A.dgn

MERCED COUNTY



PLAN



10-MAR-2016 09:03 MF-TT-D1470-A.dgn

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN AND PROFILE  
 MER-FRE STA 15276+00 TO 15332+00

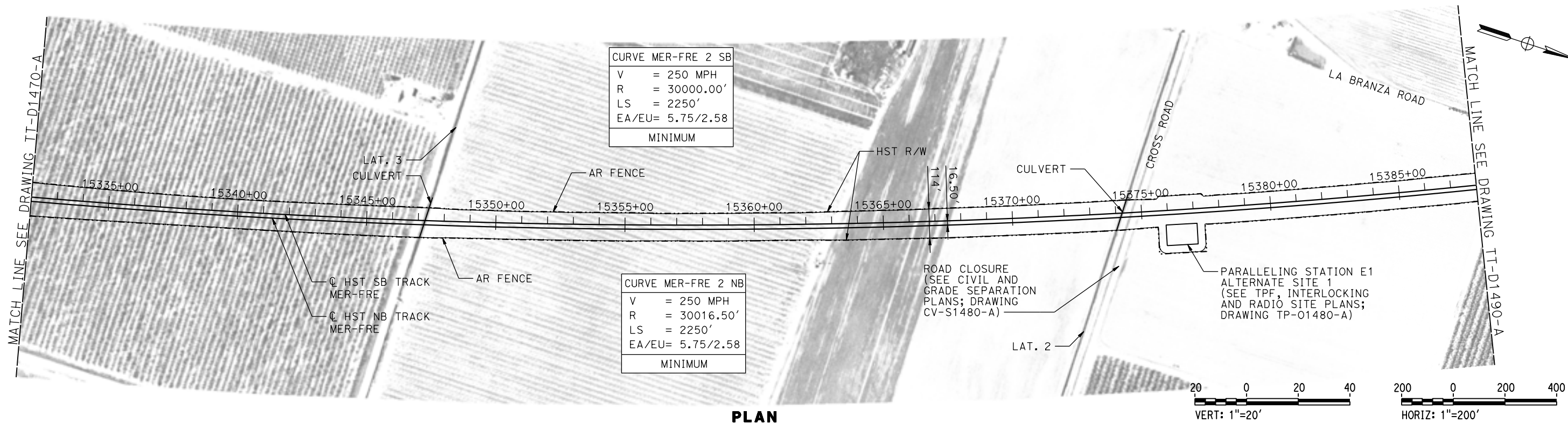
CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1470-A

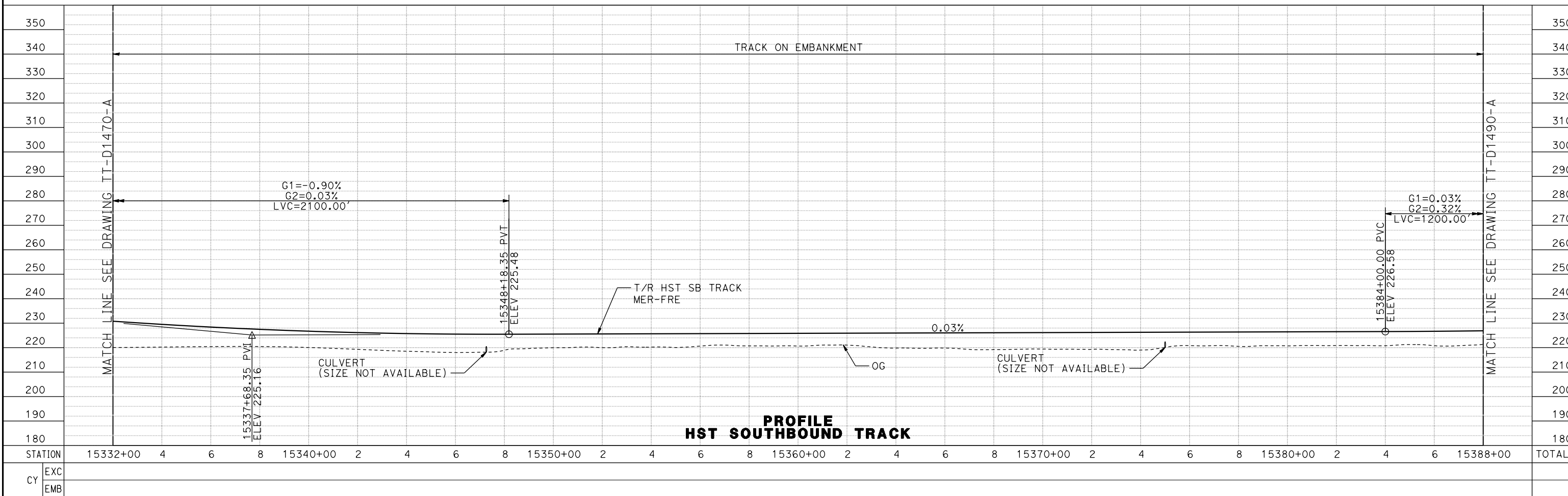
SCALE  
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

08-MAR-2016 05:06 MF-TT-D1480-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

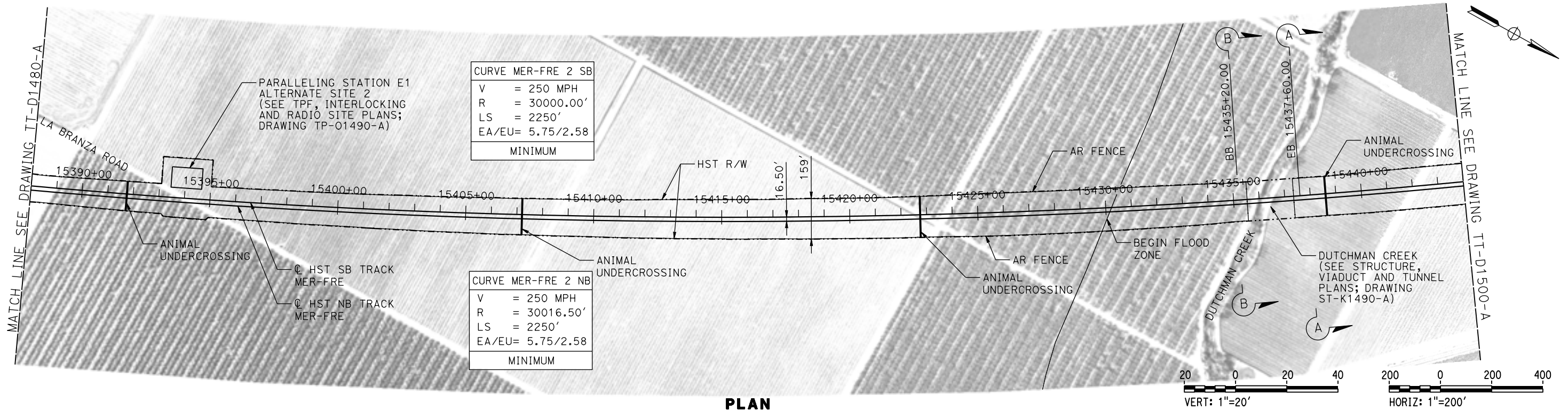
**NOT FOR**  
**CONSTRUCTION**



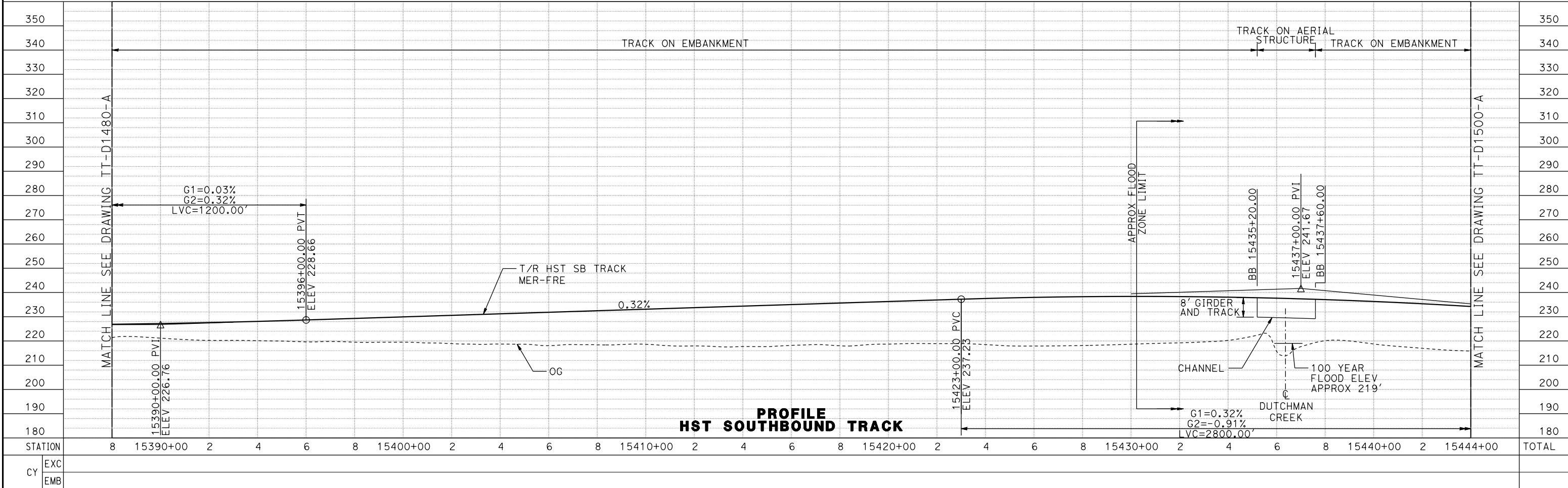
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15332+00 TO 15388+00

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

MERCED COUNTY



PLAN



PROFILE  
HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15388+00 TO 15444+00

CONTRACT NO.  
HSR08-05

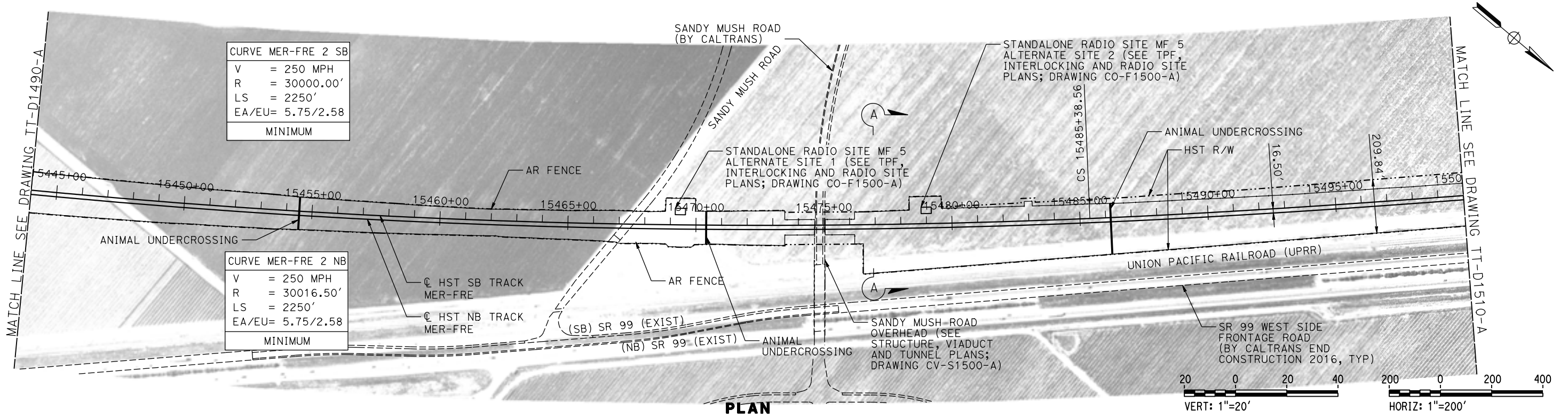
DRAWING NO.  
TT-D1490-A

SCALE  
AS SHOWN

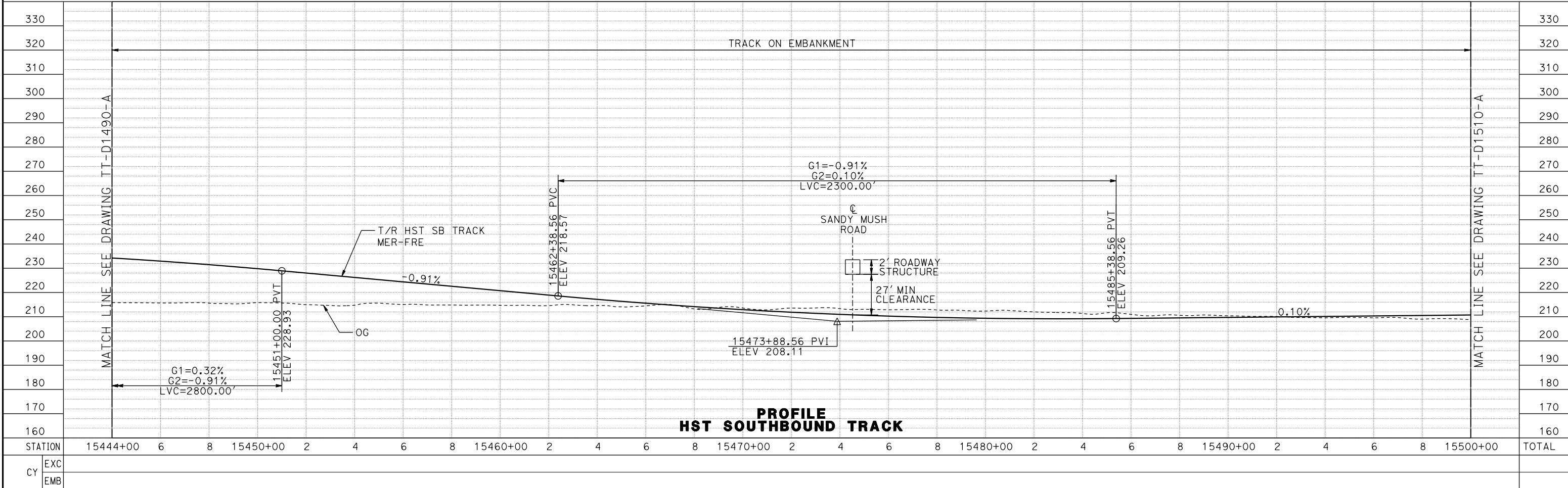
SHEET NO.



MERCED COUNTY



PLAN



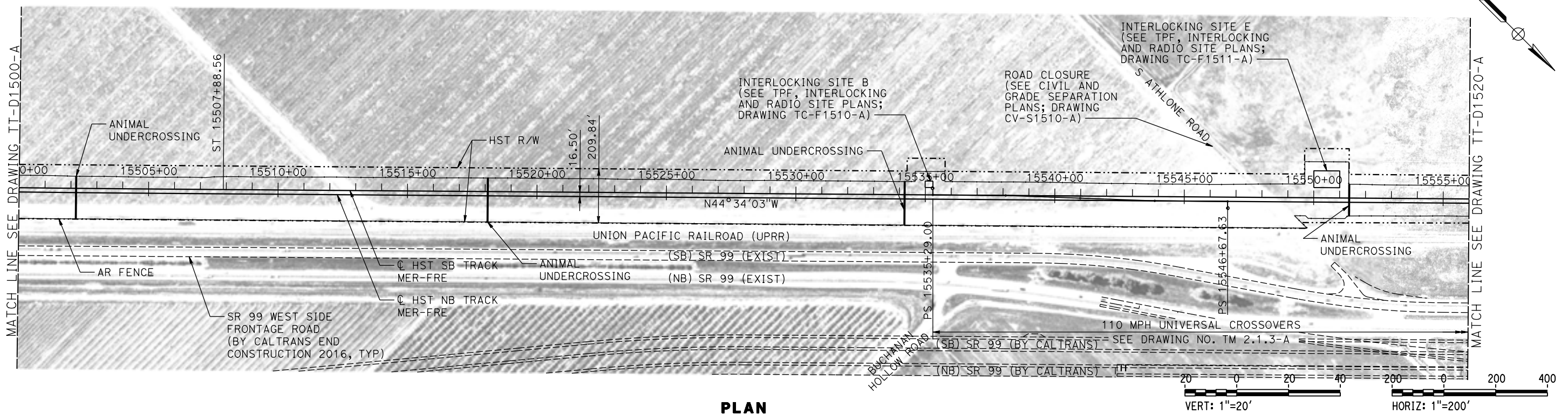
PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

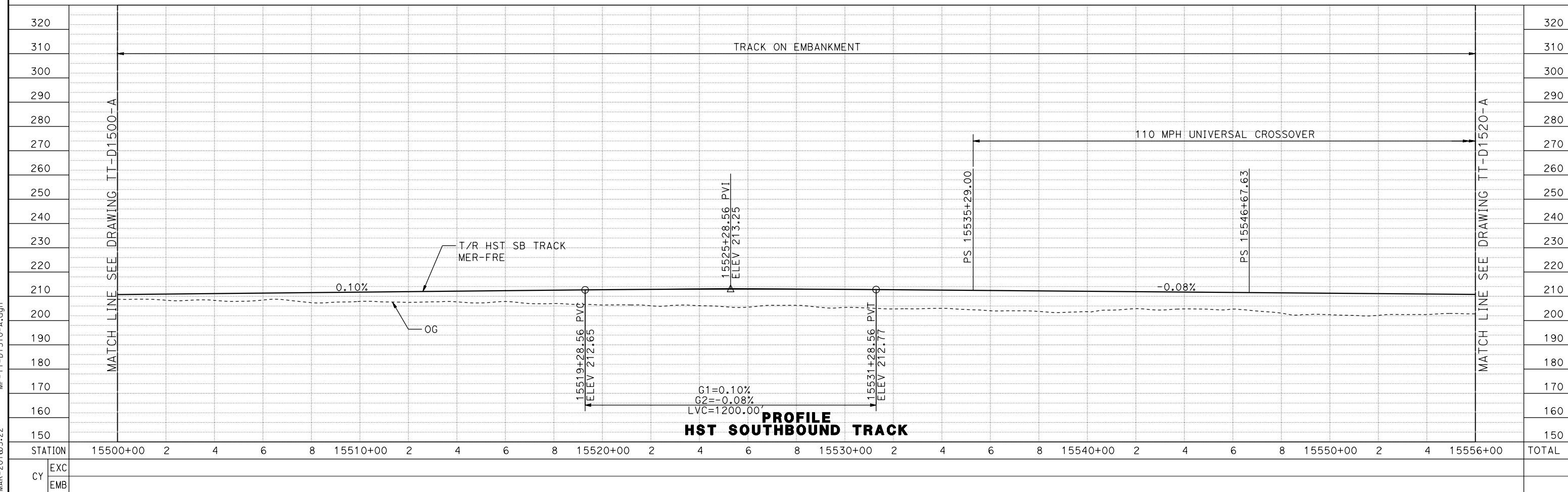
DESIGNED BY <b>D. OLIVETI</b> DRAWN BY <b>M. TACTAY</b> CHECKED BY <b>E. CASTELI</b> IN CHARGE <b>C. LEMLEY</b> DATE <b>03/18/2016</b>	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>	 <b>PARSONS</b>	 <b>CALIFORNIA</b> HIGH-SPEED RAIL AUTHORITY
<b>CALIFORNIA HIGH-SPEED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

16-MAR-2016 8:52 MF-TT-D1500-A.dgn

MERCED COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

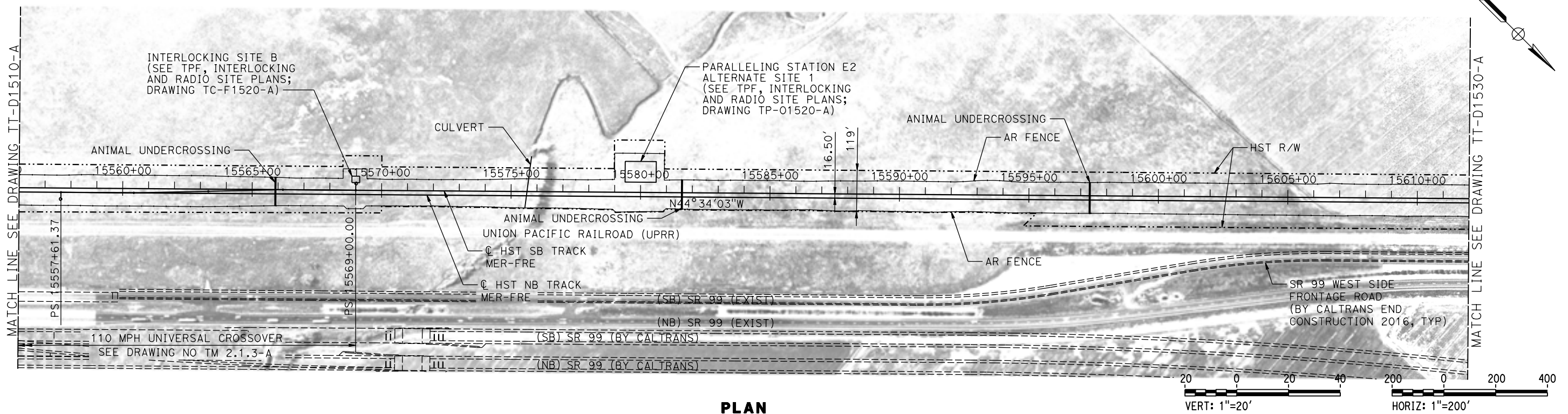


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15500+00 TO 15556+00

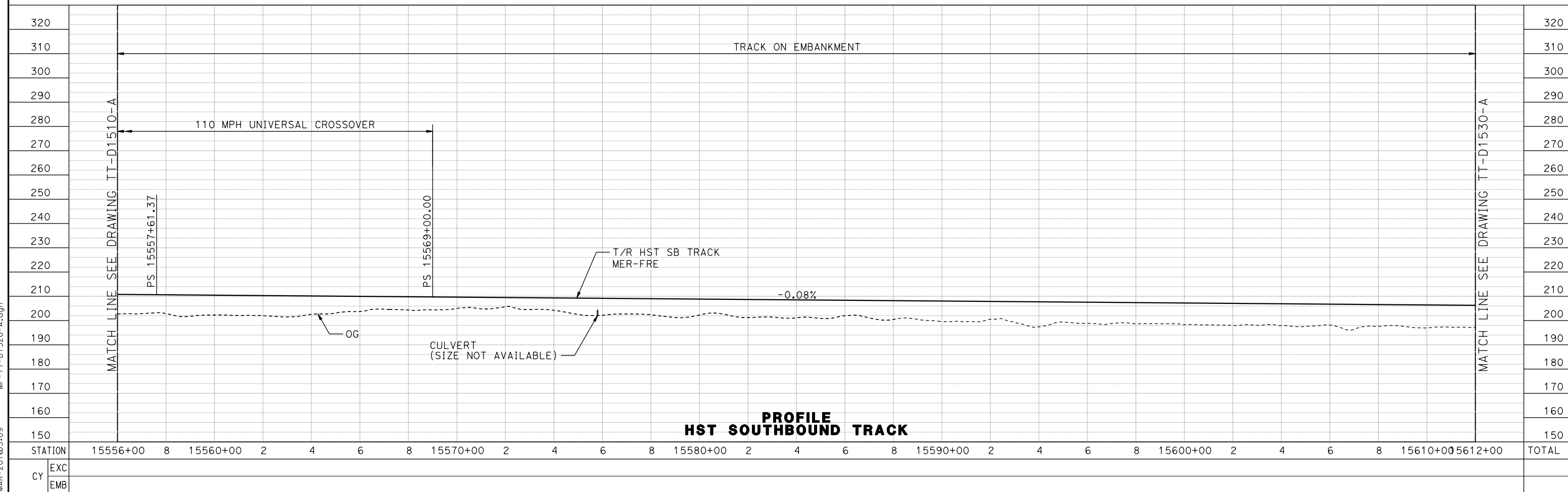
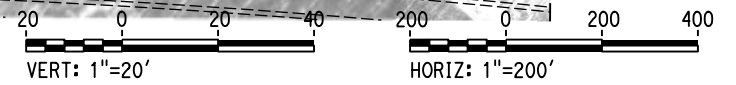
CONTRACT NO.  
HSR08-05  
DRAWING NO.  
TT-D1510-A  
SCALE  
AS SHOWN  
SHEET NO.

08-MAR-2016 05:22 MF-TT-D1510-A.dgn

MERCED COUNTY



PLAN



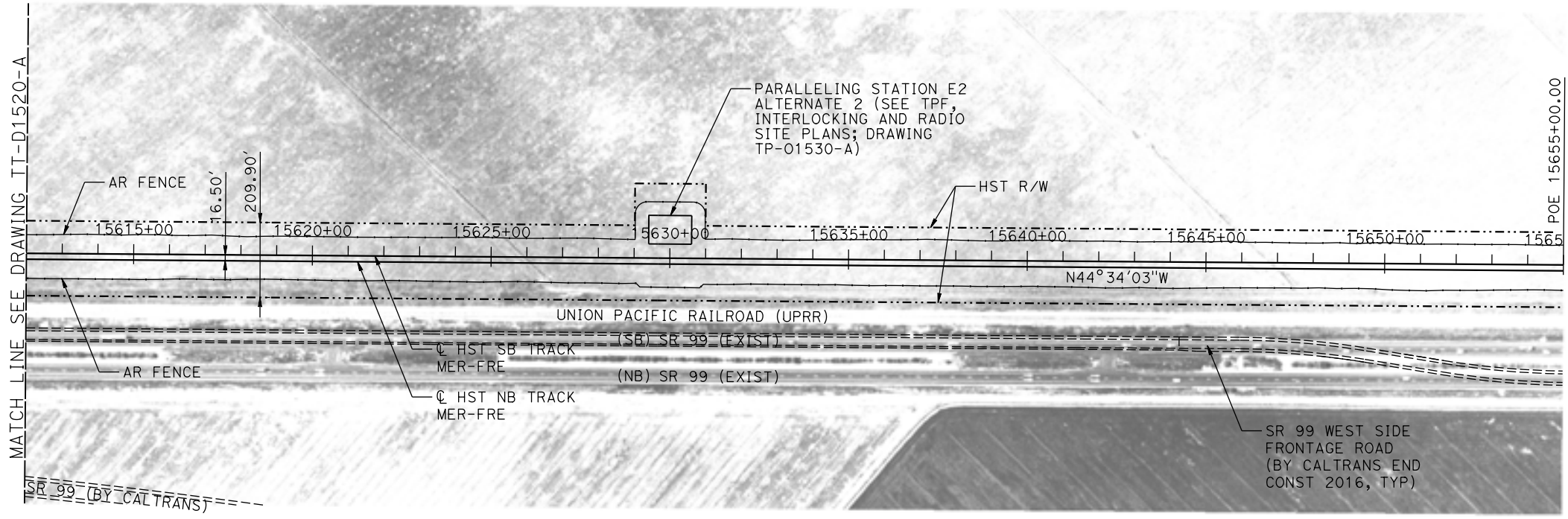
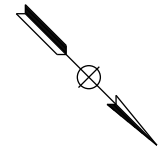
PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>D. OLIVETI</b> DRAWN BY <b>M. TACTAY</b> CHECKED BY <b>E. CASTELI</b> IN CHARGE <b>C. LEMLEY</b> DATE <b>03/18/2016</b>	<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>  <b>NOT FOR</b> <b>CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>MERCED TO FRESNO SECTION</b> CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15556+00 TO 15612+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1520-A SCALE AS SHOWN SHEET NO.
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08-MAR-2016 05:09 MF-TT-D1520-A.dgn

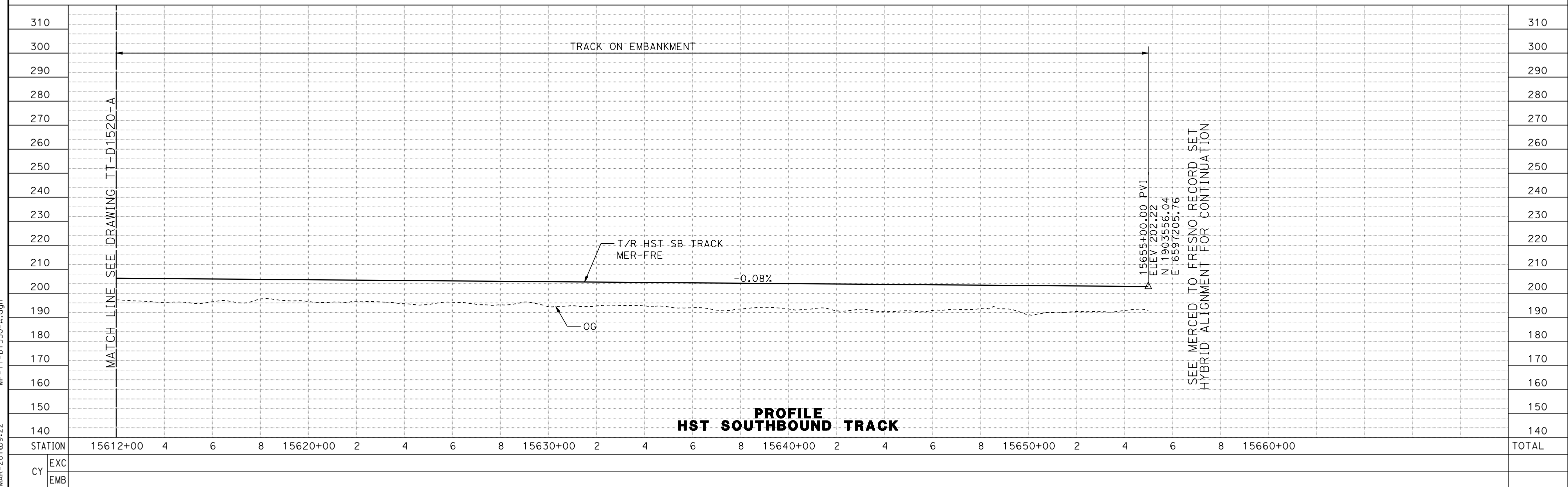
MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET  
HYBRID ALIGNMENT FOR CONTINUATION



PLAN



SEE MERCED TO FRESNO RECORD SET  
HYBRID ALIGNMENT FOR CONTINUATION

PROFILE  
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

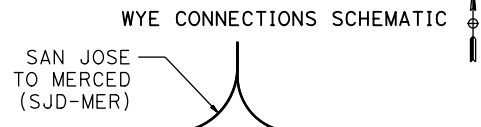


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO SECTION**

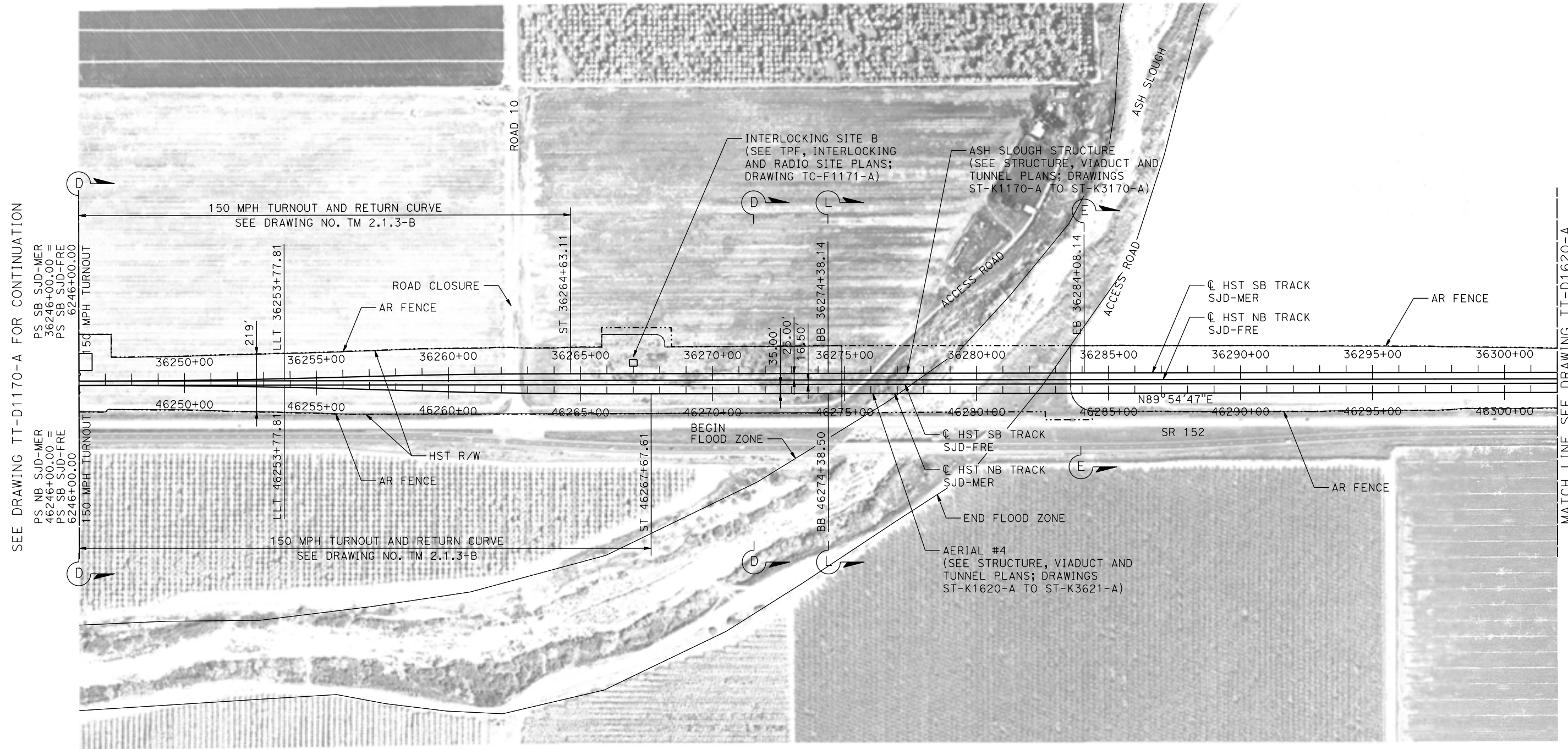
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN AND PROFILE  
MER-FRE STA 15612+00 TO 15665+00

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

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



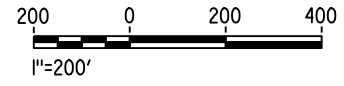
MADERA COUNTY



SEE DRAWING TT-D1170-A FOR CONTINUATION

MATCH LINE SEE DRAWING TT-D1620-A

PLAN



07-MAR-2016 16:41:43 MF-TT-D1610-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

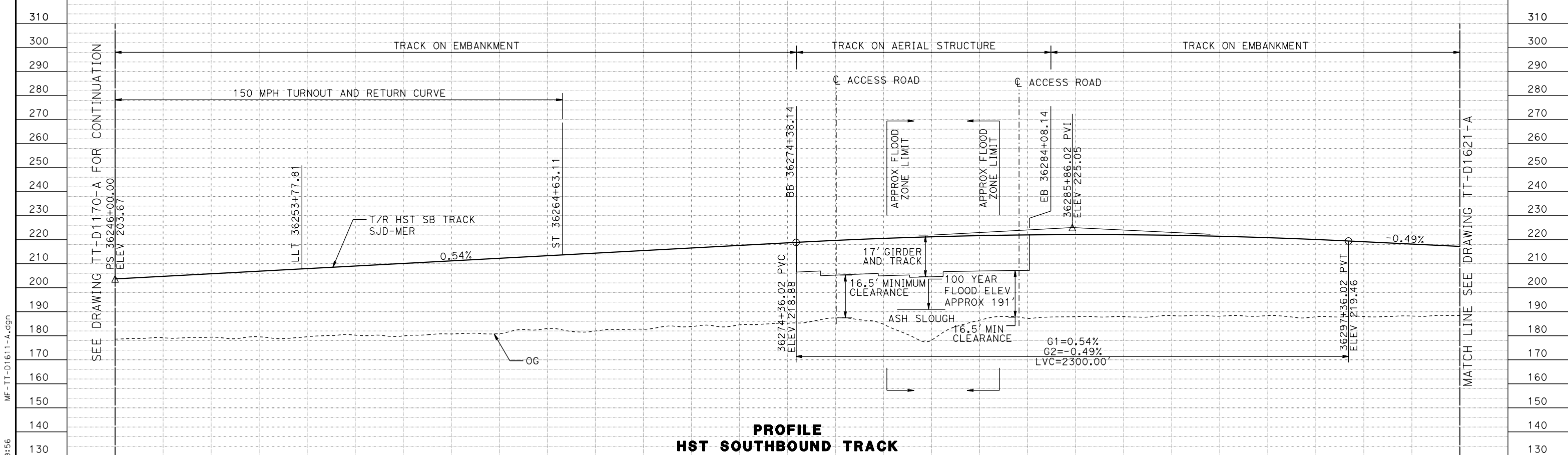
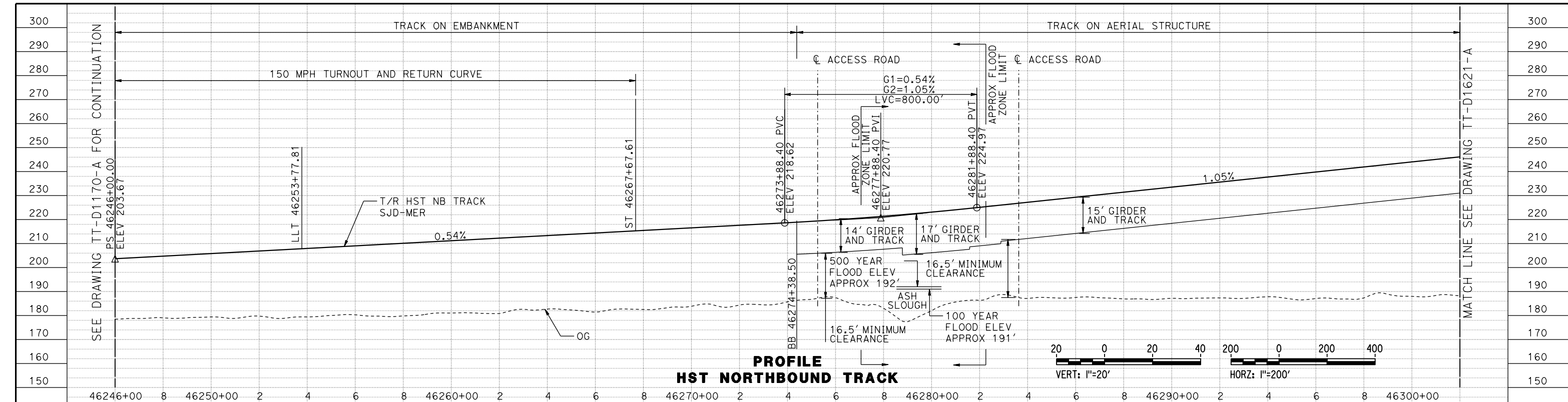
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
SJD-MER STA 36246+00 TO 36302+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1610-A

SCALE  
AS SHOWN

SHEET NO.



STATION	36246+00	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	6	8	36300+00	TOTAL
EXC																													
EMB																													

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

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**



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

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

CONTRACT NO.  
HSR08-05

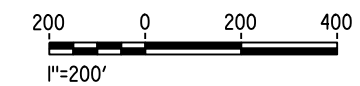
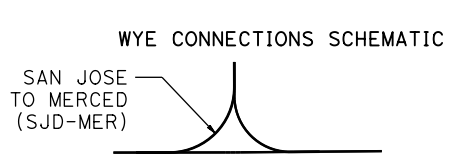
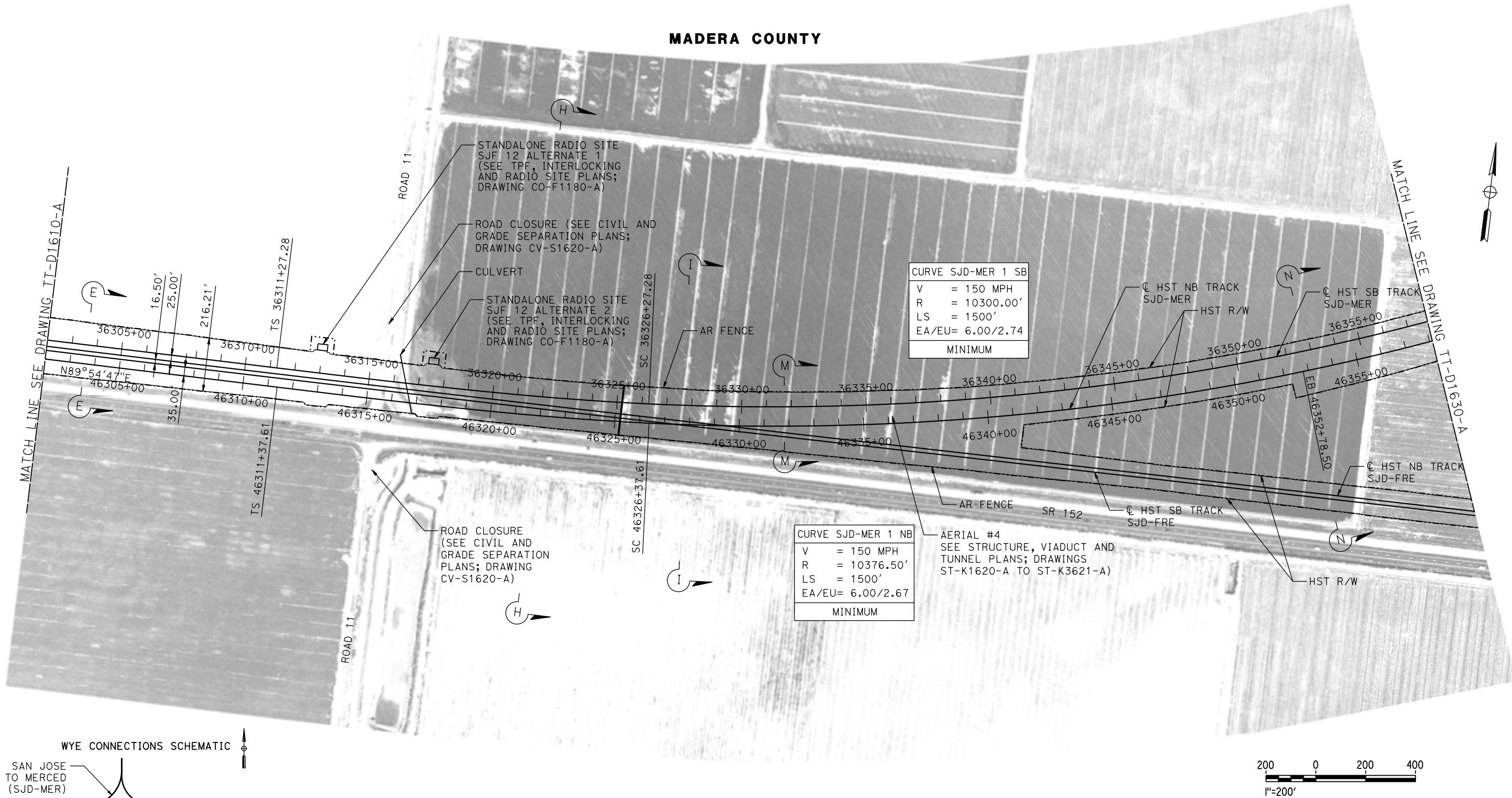
DRAWING NO.  
TT-D1611-A

SCALE  
AS SHOWN

SHEET NO.

10-MAR-2016 09:56 MF-TT-D1611-A.dgn

MADERA COUNTY



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

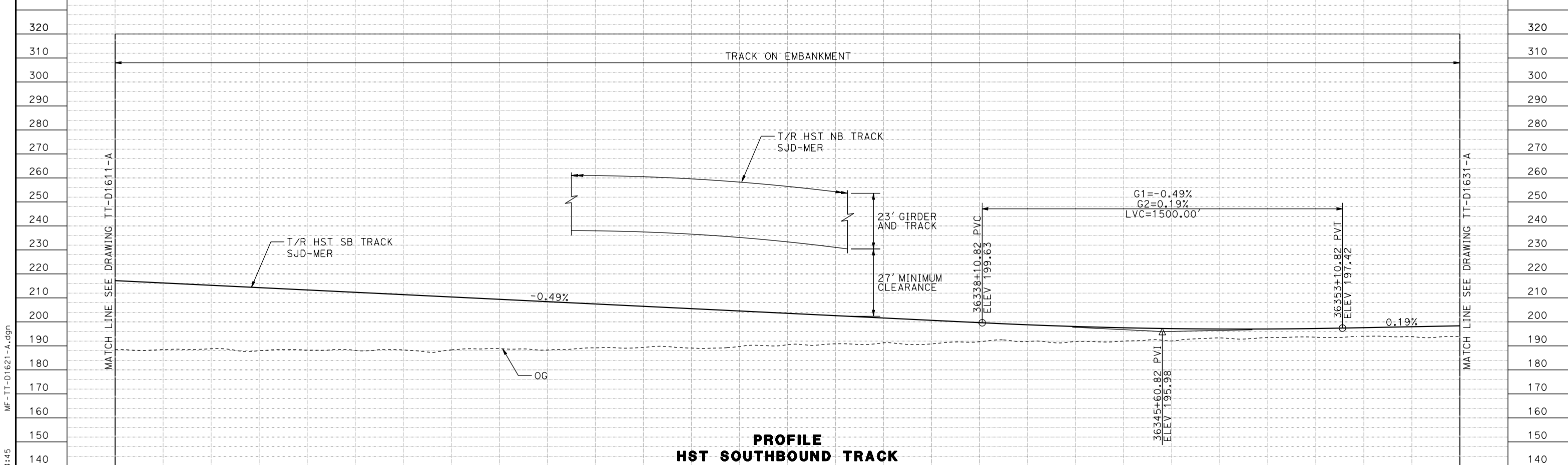
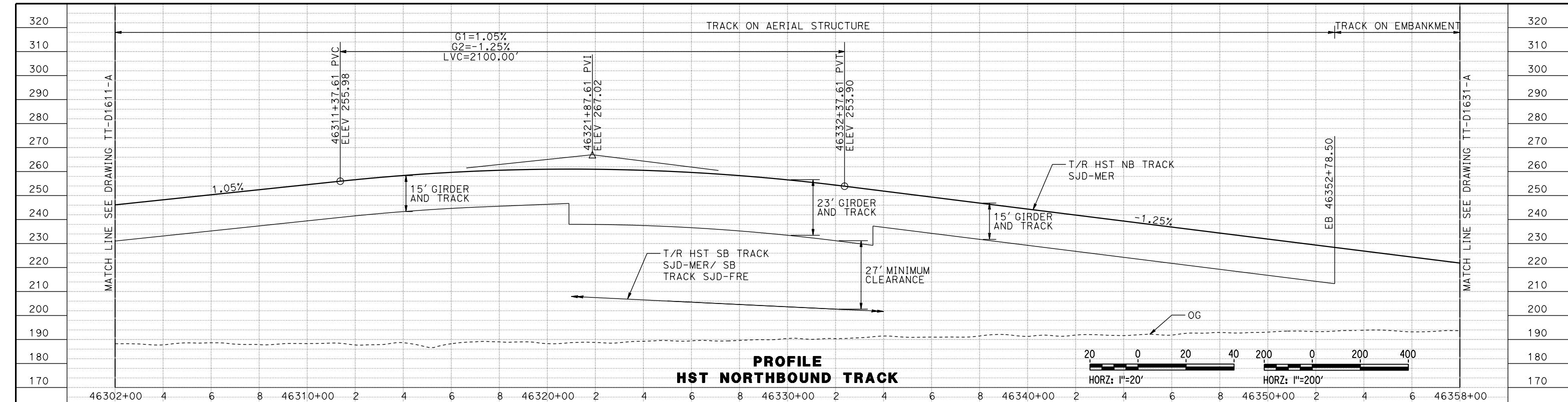
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
SJD-MER STA 36302+00 TO 36358+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1620-A

SCALE  
AS SHOWN

SHEET NO.

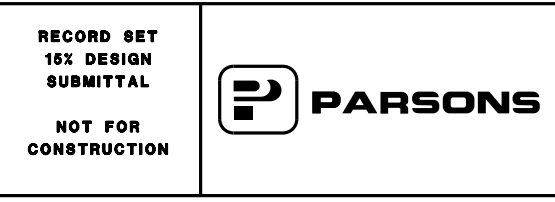


STATION	36302+00	4	6	8	36310+00	2	4	6	8	36320+00	2	4	6	8	36330+00	2	4	6	8	36340+00	2	4	6	8	36350+00	2	4	6	36358+00	TOTAL
EXC																														
EMB																														

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

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

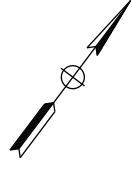


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PROFILE  
 SJD-MER STA 36302+00 TO 36358+00

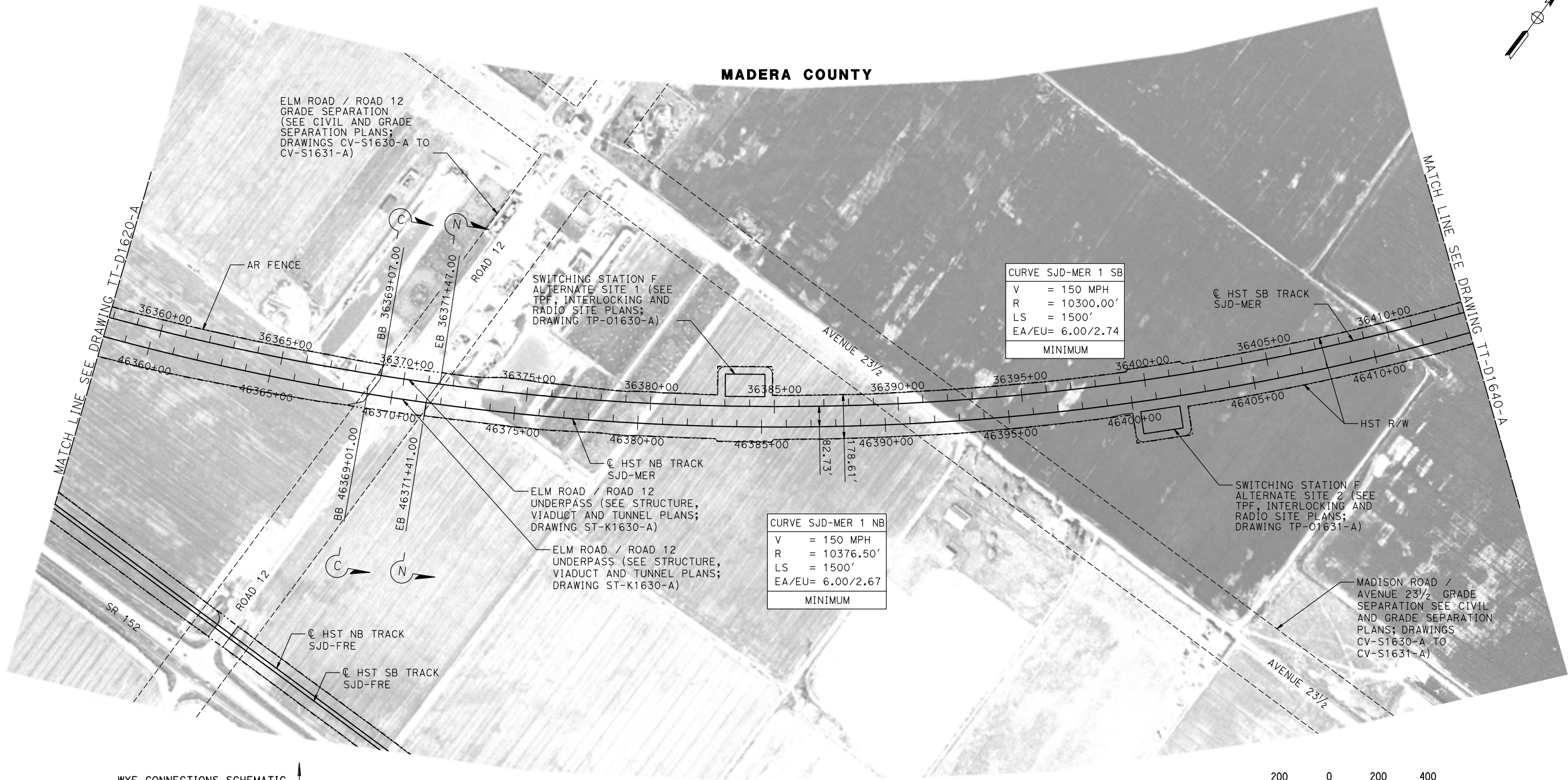
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1621-A
SCALE	AS SHOWN
SHEET NO.	

07-MAR-2016 16:44:45 MF-TT-D1621-A.dgn





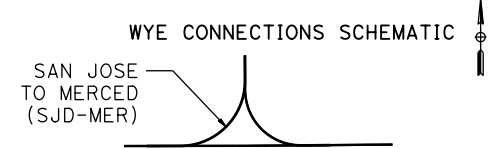
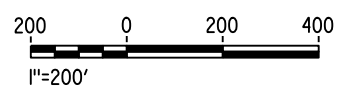
**MADERA COUNTY**



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

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

**PLAN**



MF-TT-D1630-A.dgn  
 23-FEB-2016 06:43  
 P0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

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

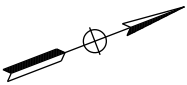
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**  
 CENTRAL VALLEY WYE  
 SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
 TRACK PLAN  
 SJD-MER STA 36358+00 TO 36414+00

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





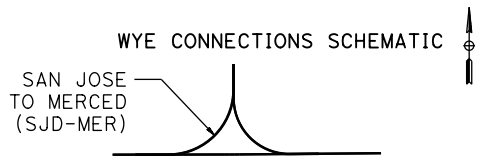
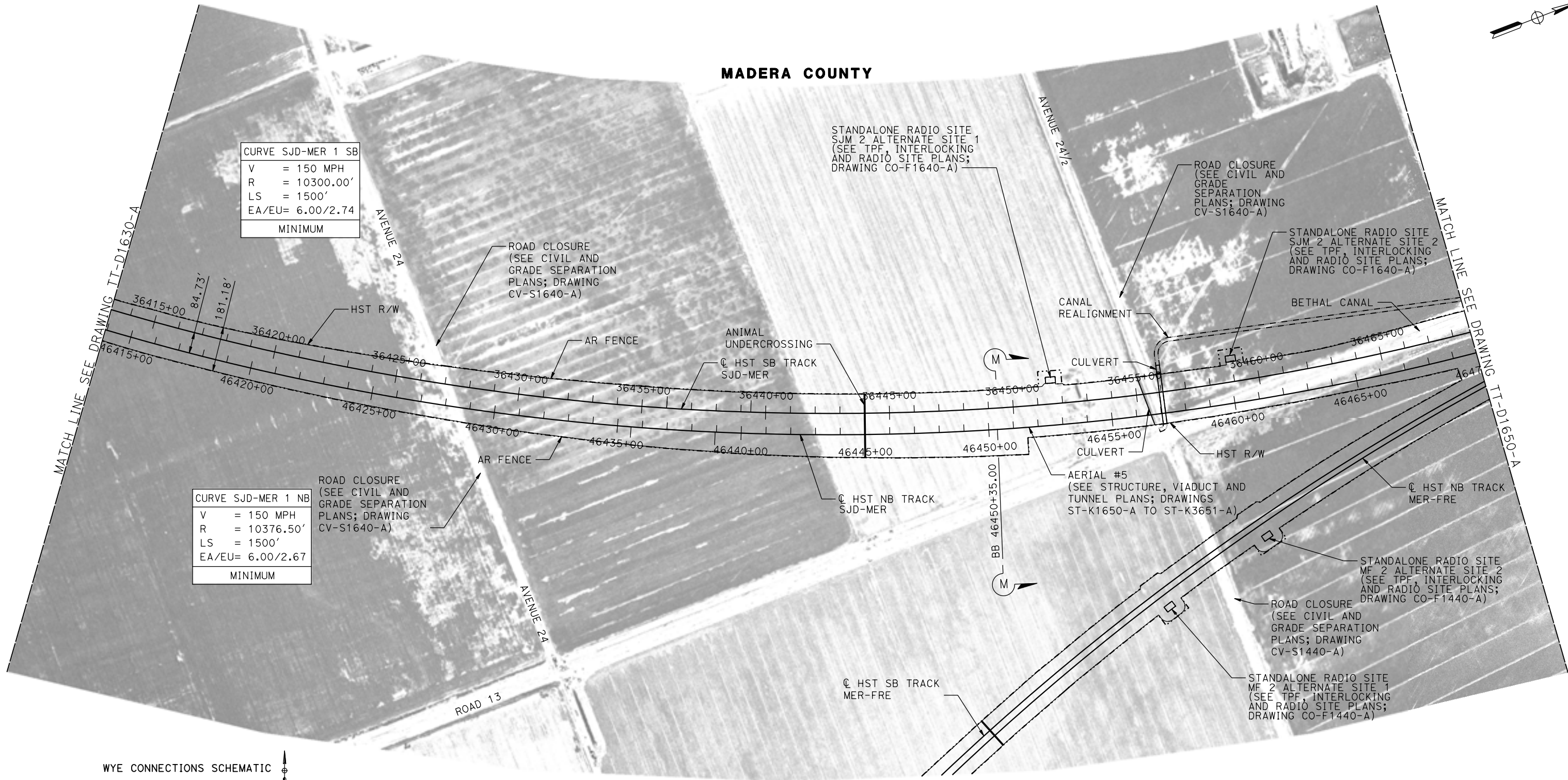
**MADERA COUNTY**

MATCH LINE SEE DRAWING TT-D1630-A

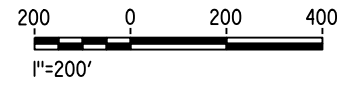
MATCH LINE SEE DRAWING TT-D1650-A

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

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



**PLAN**



23-FEB-2016 6:43 MF-TT-D1640-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
SJD-MER STA 36414+00 TO 36470+00

CONTRACT NO.  
HSR08-05

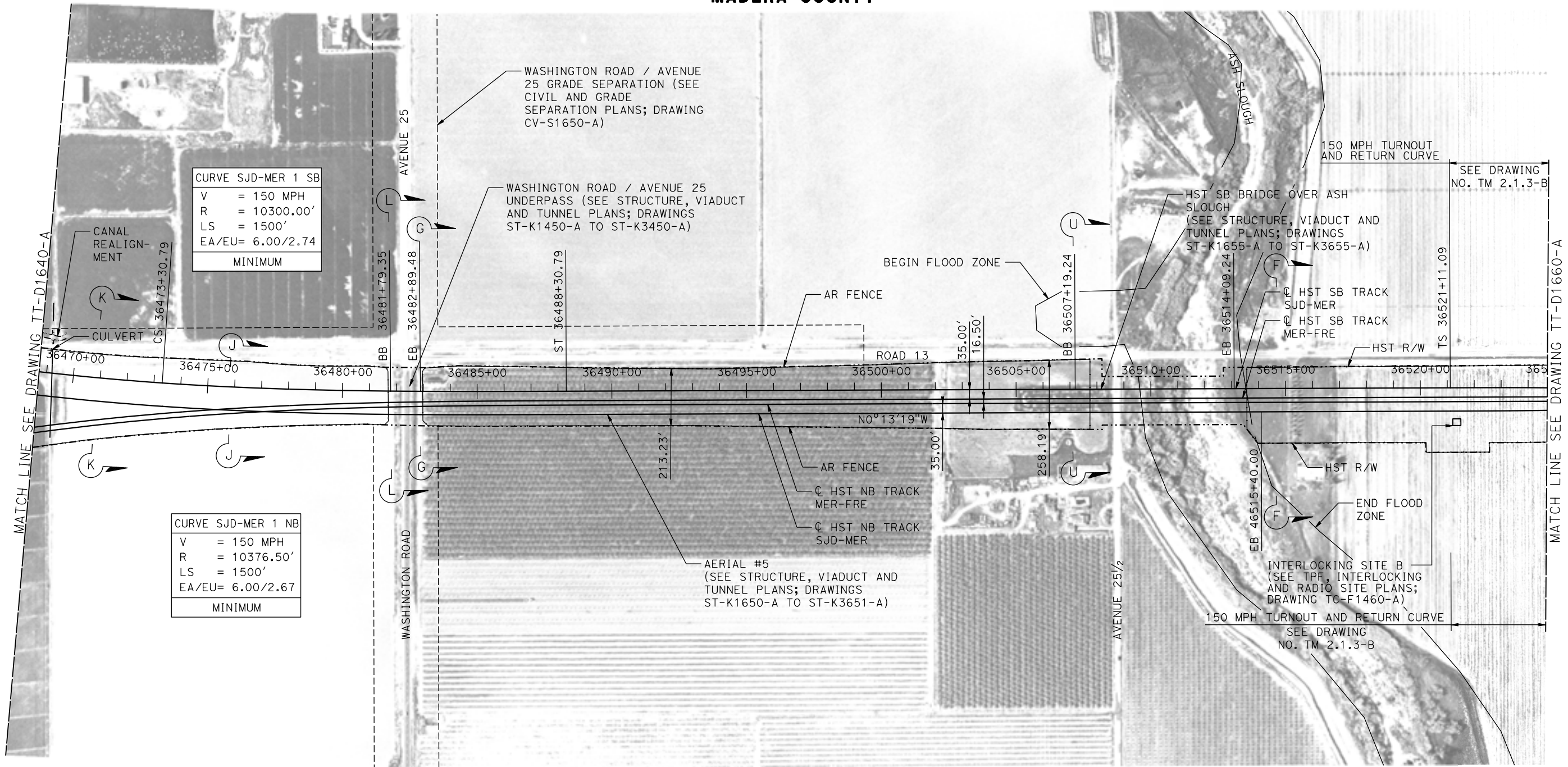
DRAWING NO.  
TT-D1640-A

SCALE  
AS SHOWN

SHEET NO.



MADERA COUNTY



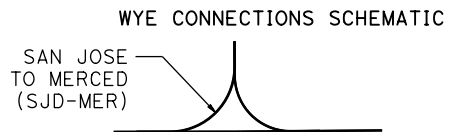
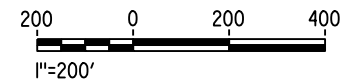
CURVE SJD-MER 1 SB

V	=	150 MPH
R	=	10300.00'
LS	=	1500'
EA/EU	=	6.00/2.74
MINIMUM		

CURVE SJD-MER 1 NB

V	=	150 MPH
R	=	10376.50'
LS	=	1500'
EA/EU	=	6.00/2.67
MINIMUM		

PLAN



10-MAR-2016 4:40 MF-TT-D1650-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

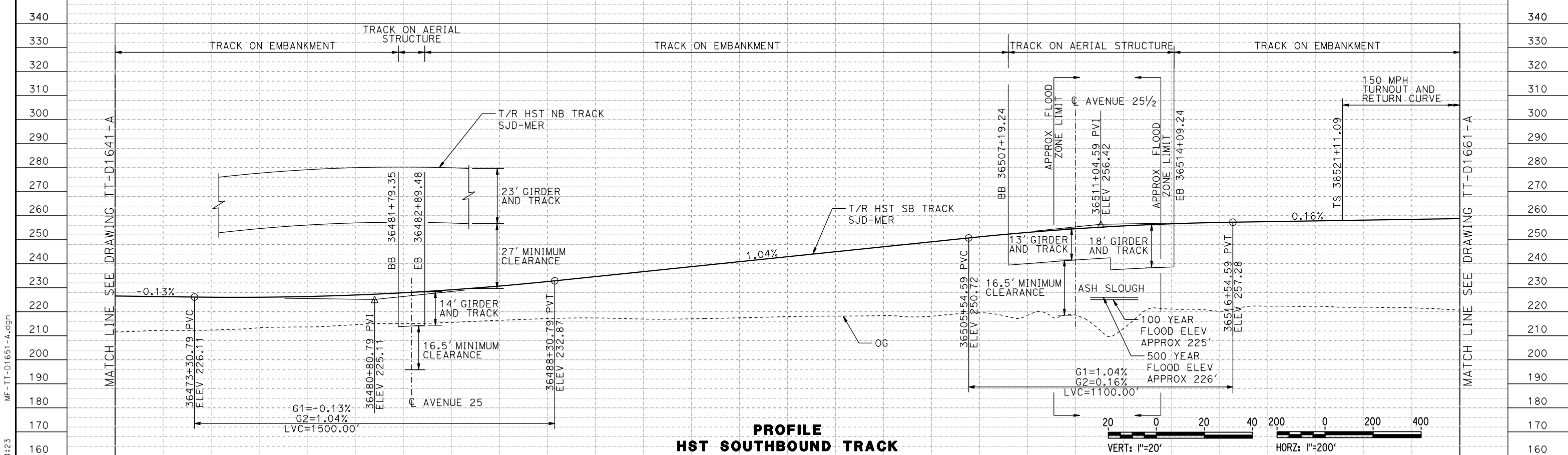
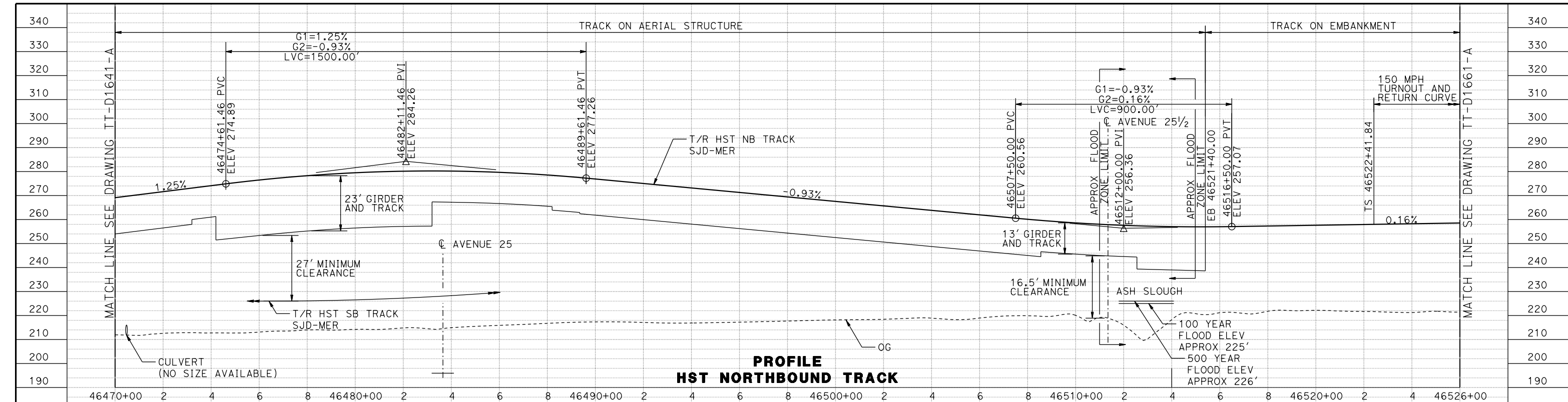
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
SJD-MER STA 36470+00 TO 36526+00

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1650-A

SCALE  
AS SHOWN

SHEET NO.

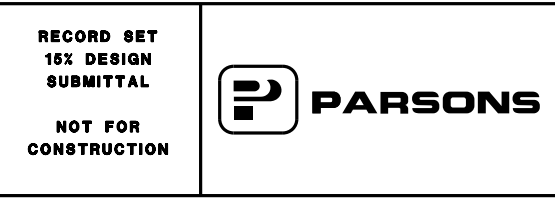


STATION	36470+00	2	4	6	8	36480+00	2	4	6	8	36490+00	2	4	6	8	36500+00	2	4	6	8	36510+00	2	4	6	8	36520+00	2	4	36526+00	TOTAL	
EXC																															
EMB																															

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

**RECORD SET**  
15% DESIGN SUBMITTAL

**NOT FOR CONSTRUCTION**



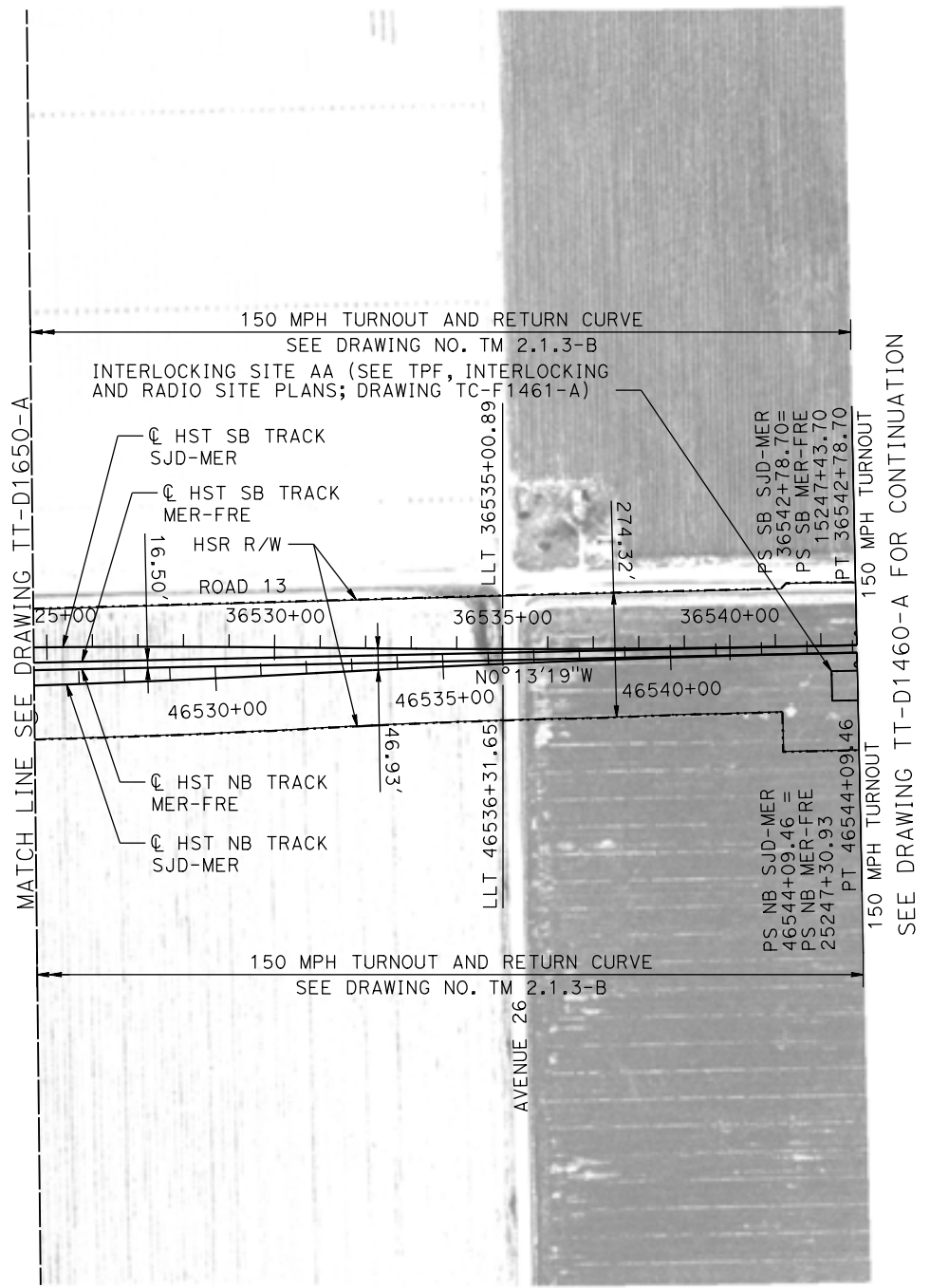
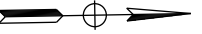
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO SECTION**

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

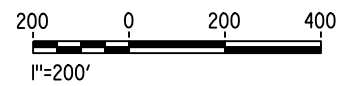
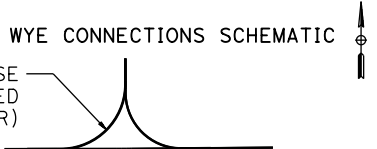
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1651-A
SCALE	AS SHOWN
SHEET NO.	

10-MAR-2016 4:23 MF-TT-D1651-A.dgn

MADERA COUNTY



PLAN



07-MAR-2016 14:41 MF-TT-D1660-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

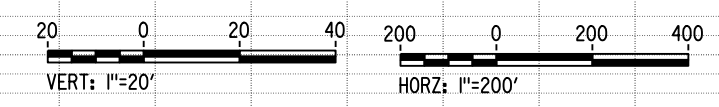
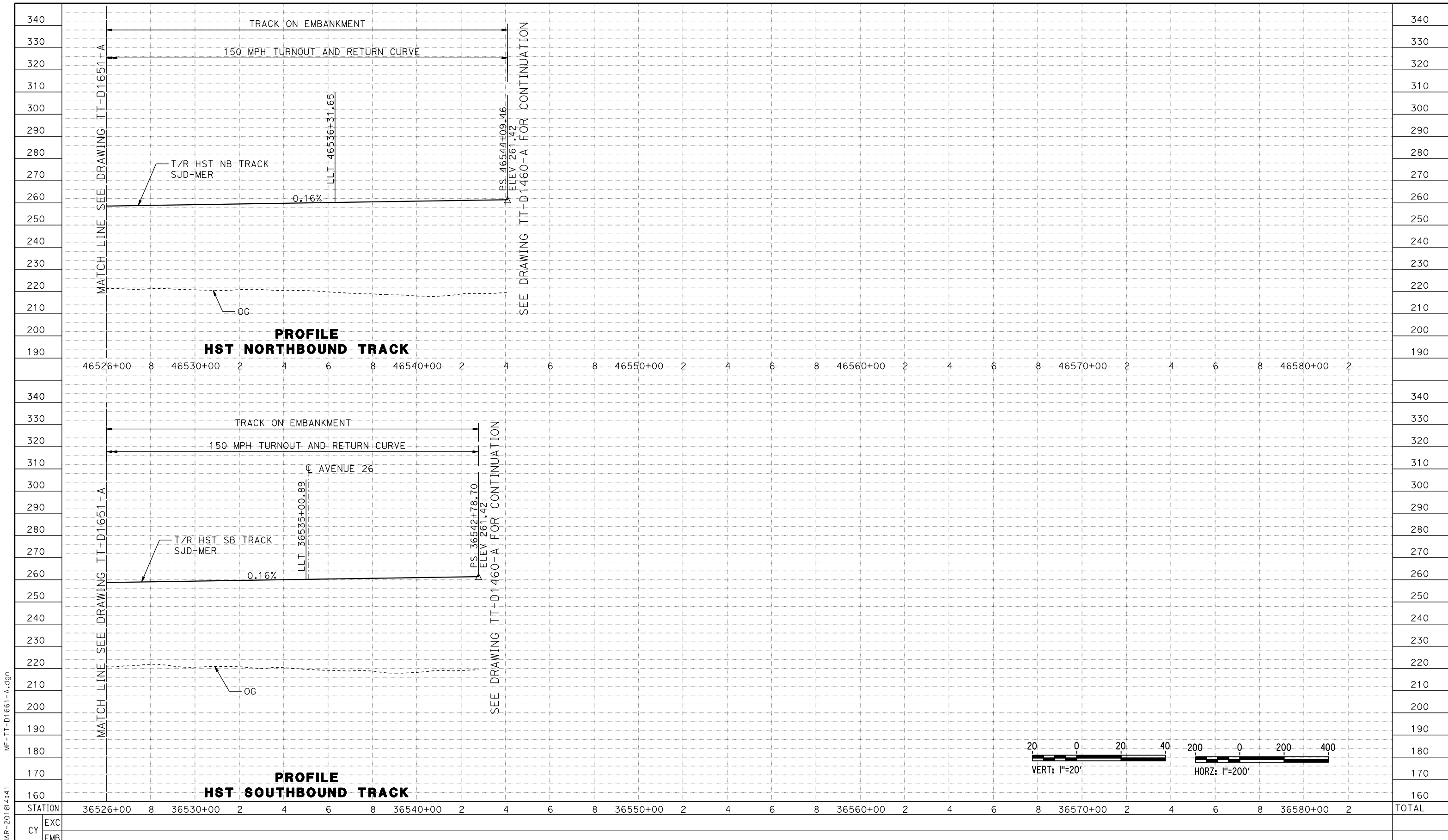
CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PLAN  
SJD-MER STA 36526+00 TO 36544+07.50

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1660-A

SCALE  
AS SHOWN

SHEET NO.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. OLIVETI**

DRAWN BY  
**M. TACTAY**

CHECKED BY  
**E. CASTELI**

IN CHARGE  
**C. LEMLEY**

DATE  
**03/18/2016**

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

CENTRAL VALLEY WYE  
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE  
TRACK PROFILE  
SJD-MER STA 36526+00 TO 36544+07.50

CONTRACT NO.  
HSR08-05

DRAWING NO.  
TT-D1661-A

SCALE  
AS SHOWN

SHEET NO.

07-MAR-2016 16:41:41 MF-TT-D1661-A.dgn