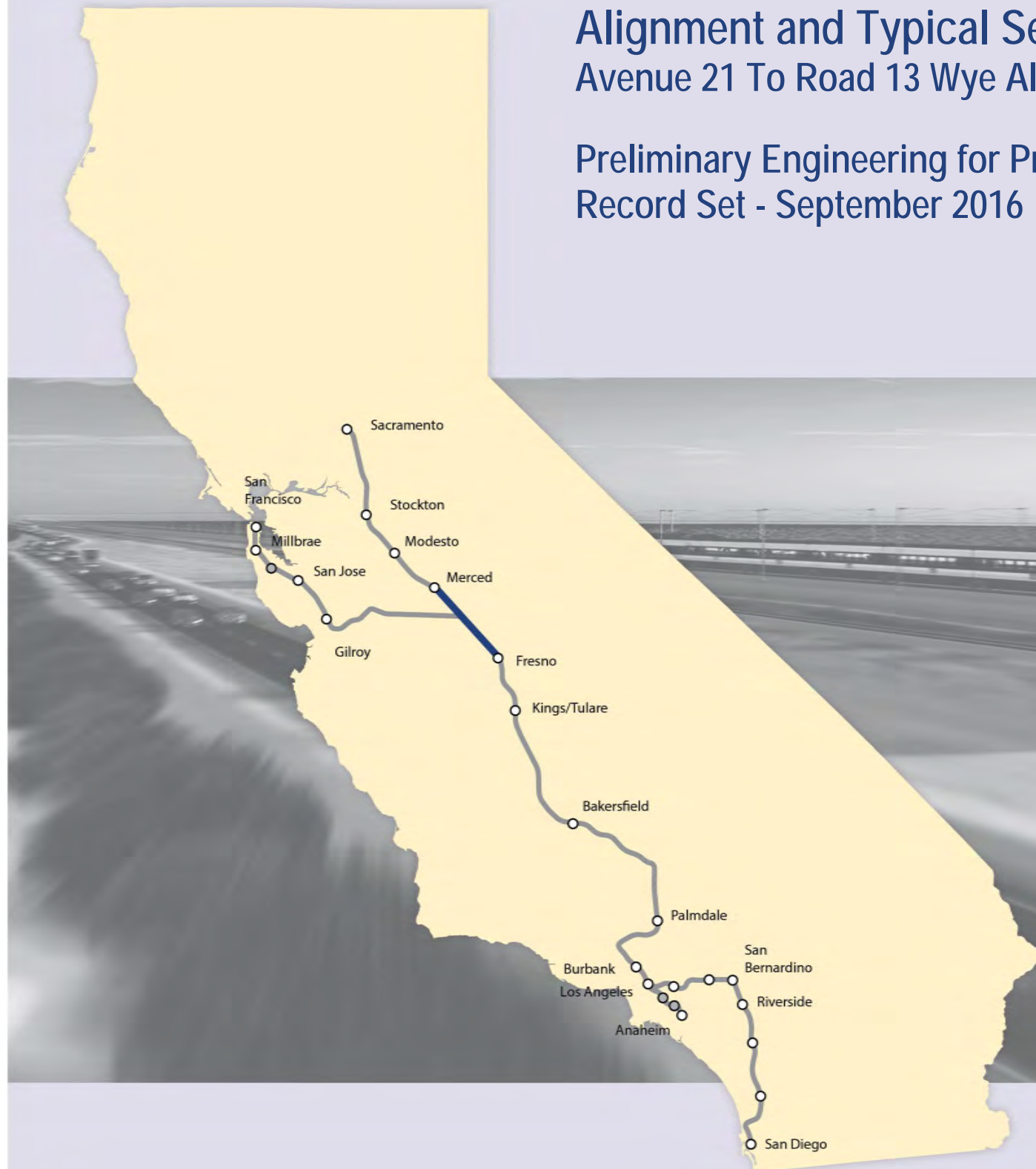


California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 3 of 4)
Avenue 21 To Road 13 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 1 OF 9

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0002

SCALE
NO SCALE

SHEET NO.

INDEX OF DRAWINGS

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



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

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

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
TT-D1530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1611-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1621-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1641-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1651-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1660-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36526+00.00 TO 36544+07.50
TT-D1661-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36526+00.00 TO 36544+07.50
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE				
TT-C4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
TT-B0023-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
TT-B0027-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
TT-B0031-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
TT-B0050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 9
TT-B0051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 9
TT-B0052-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 9
TT-B0053-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 9
TT-B0054-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 5 OF 9
TT-B0055-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 9
TT-B0056-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 7 OF 9
TT-B0057-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 8 OF 9
TT-B0058-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 9 OF 9
TT-D1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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SUBMITTAL

**NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
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SHEET 3 OF 9

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

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0005

SCALE
NO SCALE

SHEET NO.

INDEX OF DRAWINGS

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



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

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

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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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



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

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

INDEX OF DRAWINGS

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0008

SCALE
NO SCALE

SHEET NO.

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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

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

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7171+85.19
TT-D1410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1411-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1420-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1421-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1430-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1431-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1441-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1451-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15276+00.00 TO 15332+00.00
TT-D1470-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15332+00.00 TO 15388+00.00
TT-D1480-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15388+00.00 TO 15444+00.00
TT-D1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15444+00.00 TO 15500+00.00
TT-D1500-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15500+00.00 TO 15556+00.00
TT-D1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
TT-D1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1611-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1620-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1621-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1631-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1641-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1651-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1660-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36408+00.00 TO 36457+64.82
TT-D1661-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36408+00.00 TO 36457+64.82

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
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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
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 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 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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
E. BALTAY
 DRAWN BY
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 DATE
08/12/2016

RECORD SET
15% DESIGN
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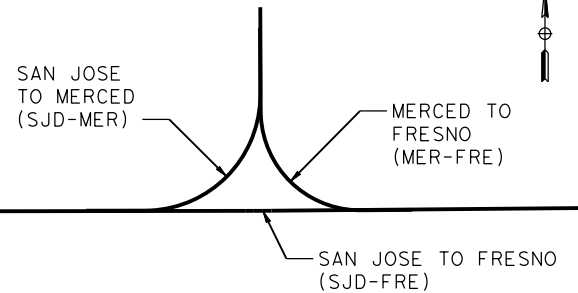


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

 ABBREVIATIONS
 SHEET 2 OF 2

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

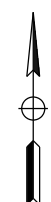
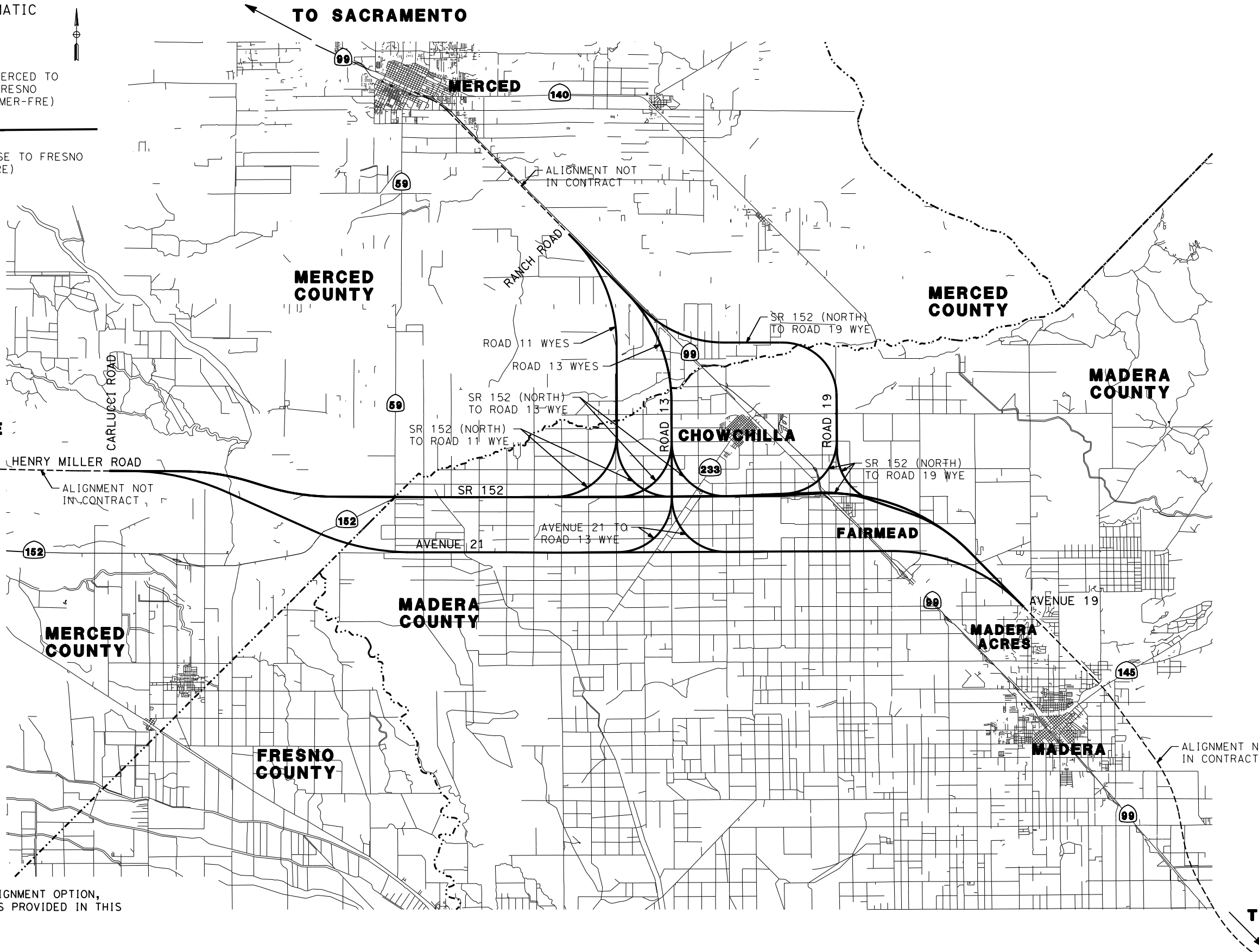
WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO

HENRY MILLER ROAD
ALIGNMENT NOT IN CONTRACT



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
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08/12/2016

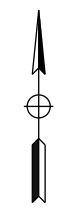
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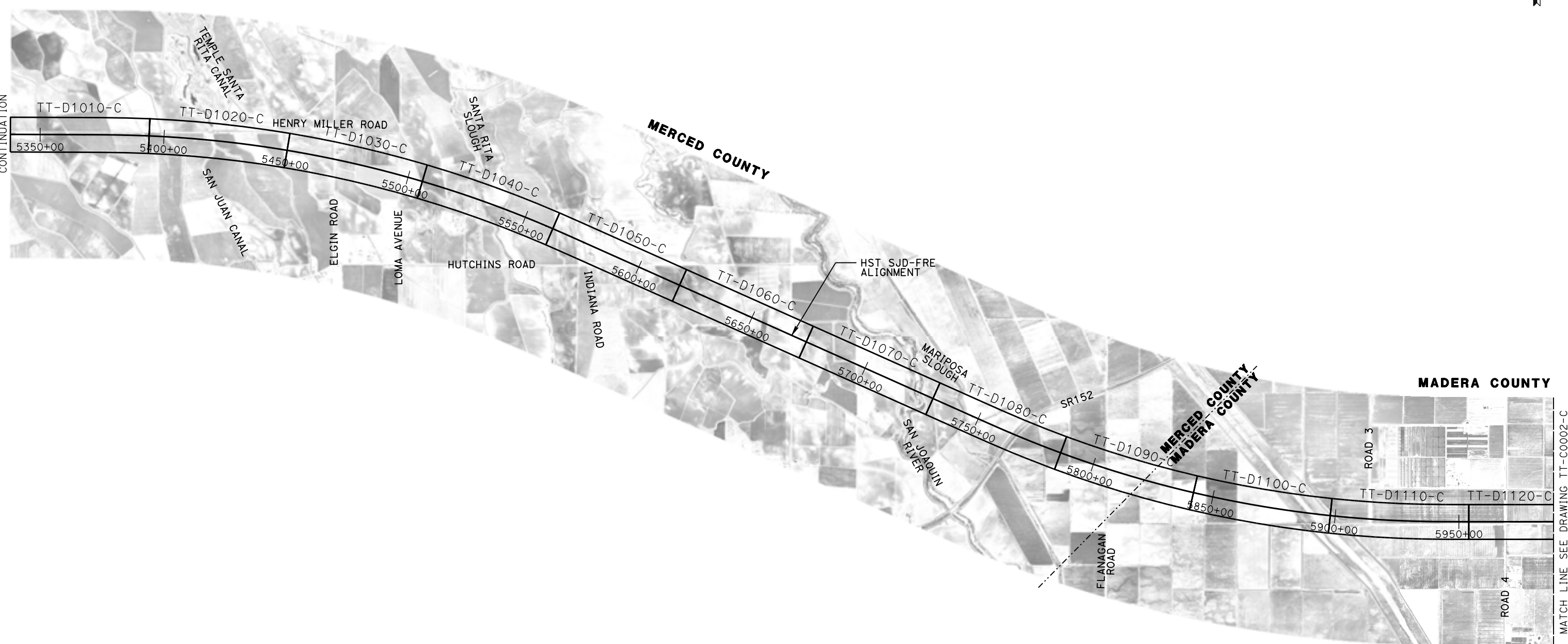


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

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



SEE SAN JOSE TO MERCED SECTION FOR CONTINUATION



MATCH LINE SEE DRAWING TT-C0002-C

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 4

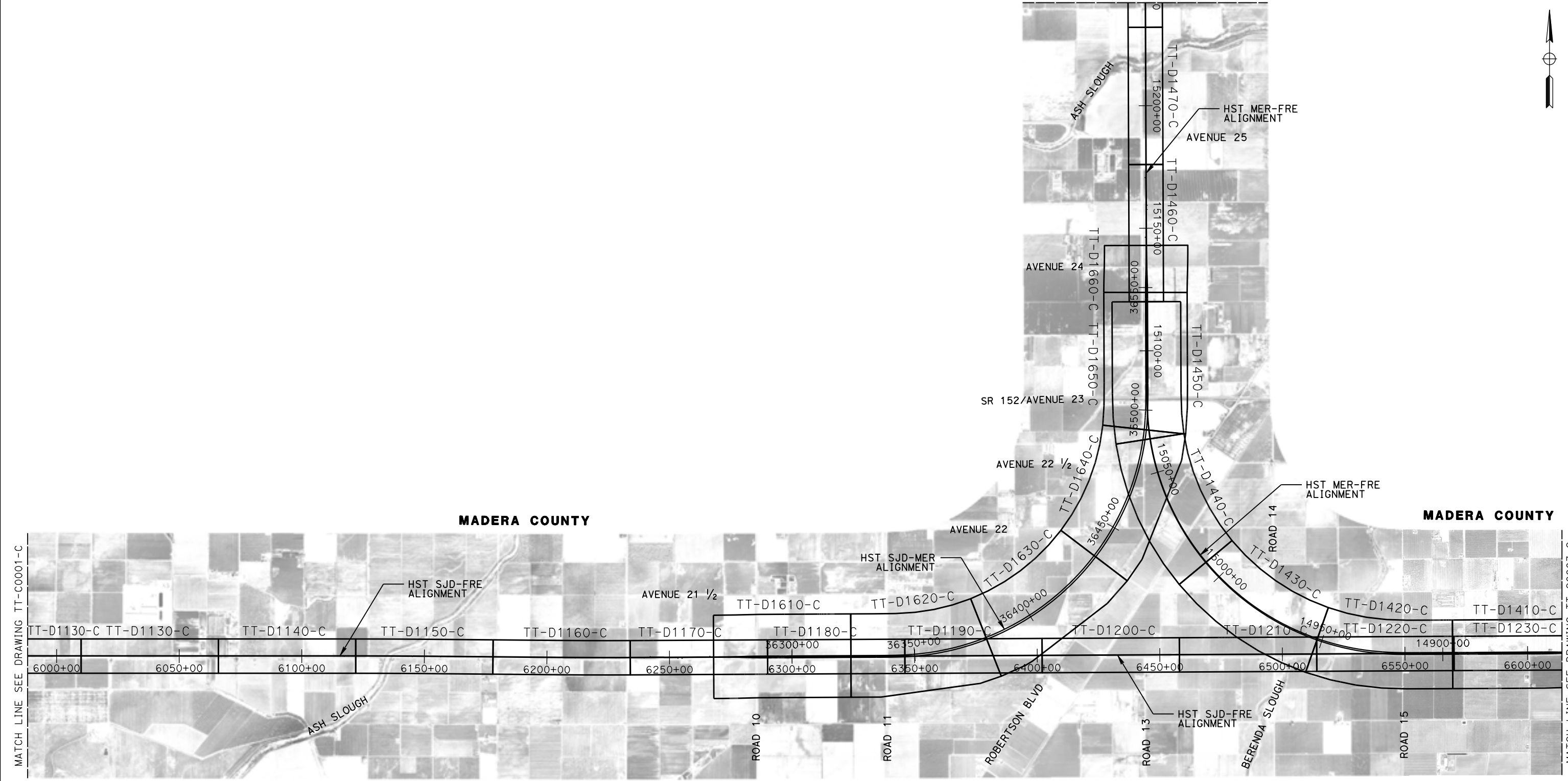
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-C0001-C

SCALE
N.T.S

SHEET NO.

MATCH LINE SEE DRAWING TT-C0004-C



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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ELVIS C.

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DATE
03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

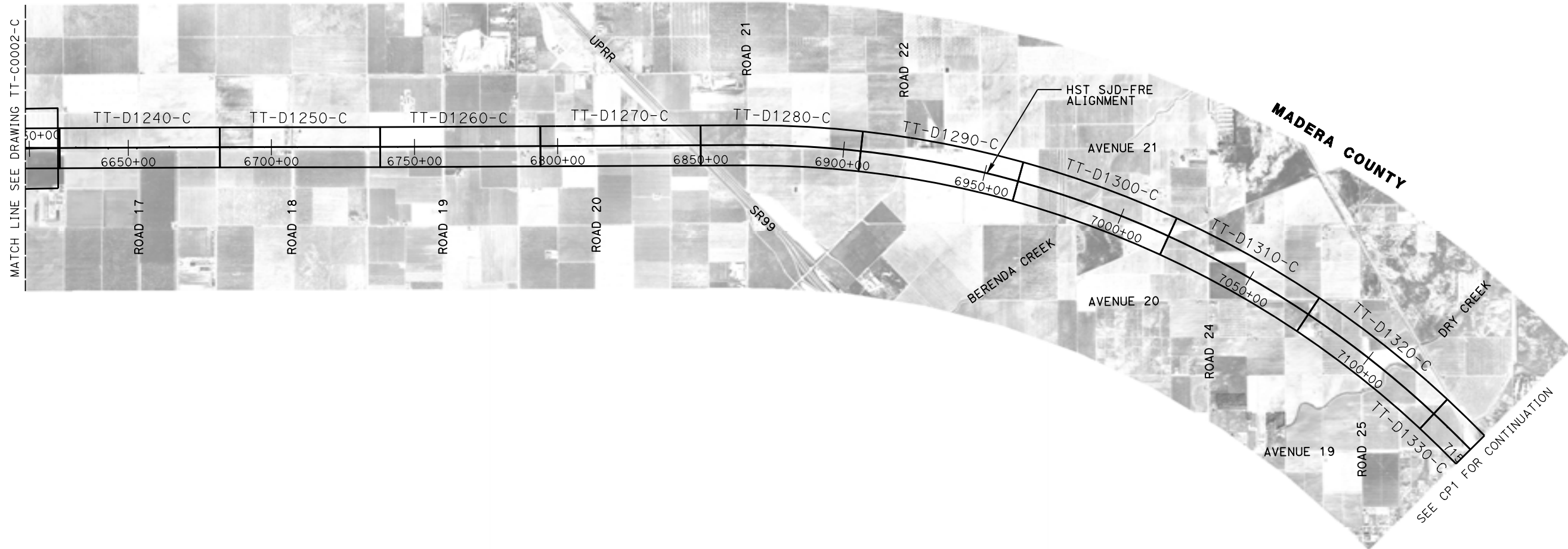
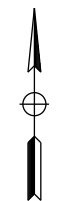
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-C0002-C

SCALE
N.T.S.

SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
M. TACTAY

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ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

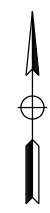
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 3 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-C0003-C

SCALE
N.T.S.

SHEET NO.



SEE MERCED TO FRESNO
RECORD SET HYBRID
ALIGNMENT
FOR CONTINUATION

HST MER-FRE
ALIGNMENT

MERCED COUNTY

MERCED COUNTY
MADERA COUNTY

MATCH LINE SEE DRAWING TT-C0002-C

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

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SUBMITTAL**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 4 OF 4

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-C0004-C

SCALE
N.T.S.

SHEET NO.

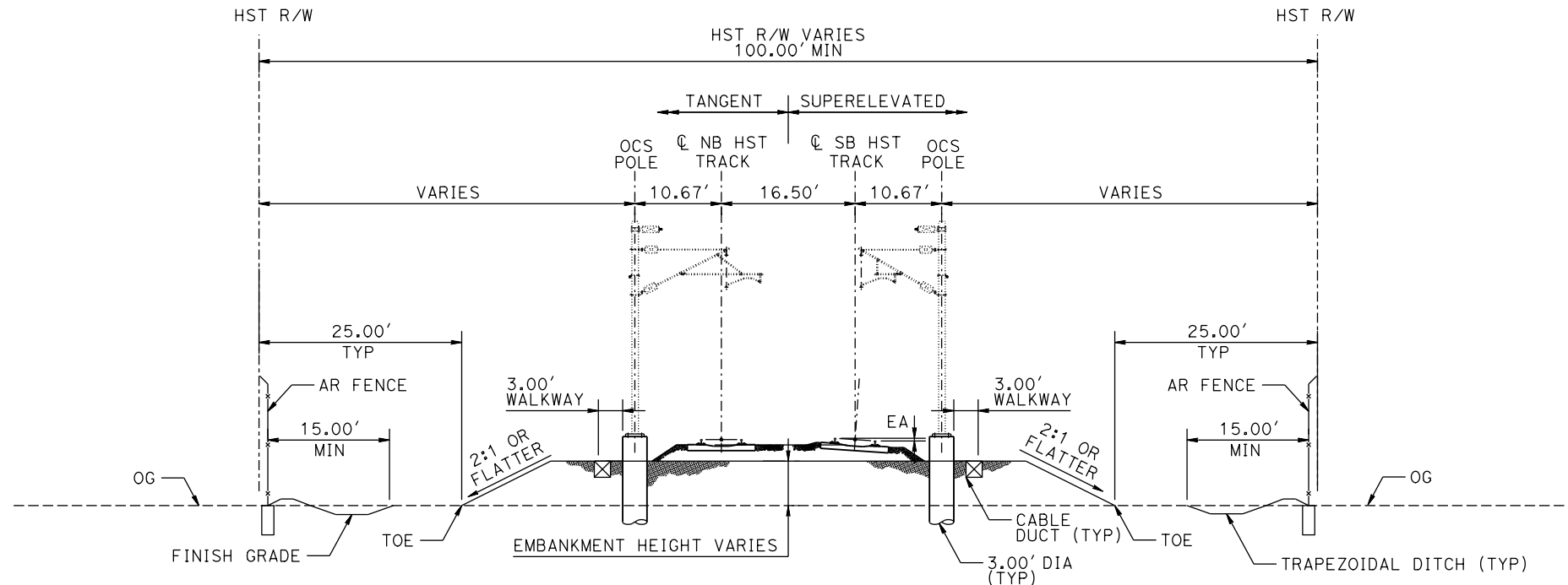
SECTION A-A

TANGENT

STATION SJD-FRE	5338+00	TO	5367+74
STATION SJD-FRE	5575+66	TO	5719+30
STATION SJD-FRE	5727+10	TO	5741+40
STATION SJD-FRE	5953+15	TO	6086+75
STATION SJD-FRE	6239+67	TO	6270+00
STATION SJD-FRE	6353+00	TO	6464+70
STATION SJD-FRE	6522+20	TO	6536+70
STATION SJD-FRE	6625+00	TO	6674+00
STATION SJD-FRE	6709+10	TO	6720+60
STATION SJD-FRE	6755+71	TO	6811+54
STATION SJD-FRE	6852+69	TO	6857+07
STATION SJD-FRE	7154+21	TO	7162+86
STATION SJD-FRE	7171+22	TO	7173+64
STATION SJD-FRE	7176+04	TO	7223+45
STATION SJD-FRE	7229+78	TO	7300+73
STATION MER-FRE	15143+00	TO	15186+15*
STATION MER-FRE	15187+85	TO	15211+65*
STATION MER-FRE	15218+75	TO	15253+19*
STATION MER-FRE	15507+89	TO	15655+00*

SUPERELEVATED

STATION SJD-FRE	5367+74	TO	5575+66
STATION SJD-FRE	5753+40	TO	5764+15
STATION SJD-FRE	5768+95	TO	5804+86
STATION SJD-FRE	5806+11	TO	5881+10
STATION SJD-FRE	5900+90	TO	5953+15
STATION SJD-FRE	6226+72	TO	6239+67
STATION SJD-FRE	6674+00	TO	6709+10
STATION SJD-FRE	6720+60	TO	6755+71
STATION SJD-FRE	6857+07	TO	7106+55
STATION SJD-FRE	7108+95	TO	7154+21
STATION MER-FRE	15253+19	TO	15264+70*
STATION MER-FRE	15266+15	TO	15285+30*
STATION MER-FRE	15294+90	TO	15309+58*
STATION MER-FRE	15315+88	TO	15435+20*
STATION MER-FRE	15437+60	TO	15473+47*
STATION MER-FRE	15476+20	TO	15507+89*



**SECTION A-A
TWO TRACKS ON EMBANKMENT**

GENERAL TYPICAL SECTION NOTES:

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

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

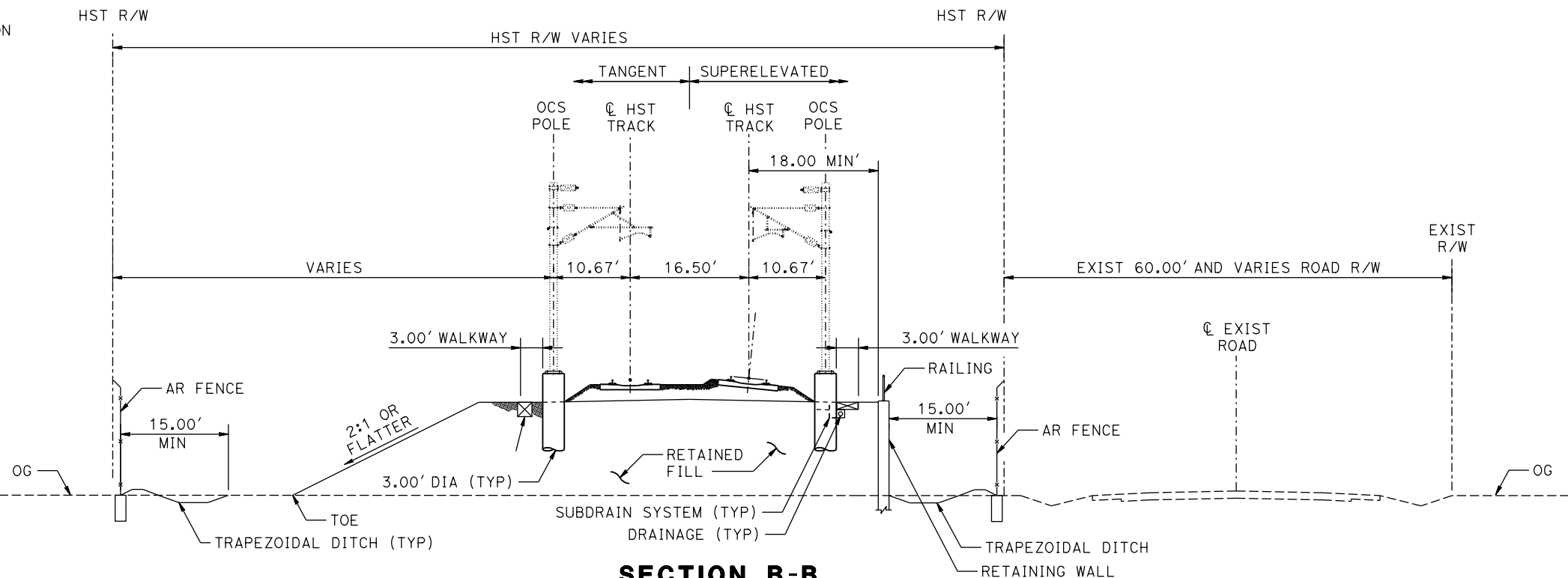
SECTION B-B

TANGENT

STATION SJD-FRE	6086+75	TO	6117+33
STATION SJD-FRE	6156+67	TO	6200+12
STATION SJD-FRE	6464+70	TO	6495+90
STATION SJD-FRE	6497+10	TO	6518+60
STATION SJD-FRE	6812+99	TO	6842+89
STATION SJD-FRE	7162+86	TO	7171+22*
STATION SJD-FRE	7223+45	TO	7229+78*

SUPERELEVATED

STATION SJD-FRE	6117+33	TO	6126+30
STATION SJD-FRE	6127+55	TO	6132+55
STATION SJD-FRE	6140+30	TO	6156+67
STATION SJD-FRE	6200+12	TO	6226+72
STATION MER-FRE	15268+72	TO	15285+30*
STATION MER-FRE	15294+90	TO	15297+70*



**SECTION B-B
TYPICAL SECTION WITH RETAINED FILL**

NOTE: SECTION WITH RETAINING WALL ON LEFT NOT SHOWN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

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

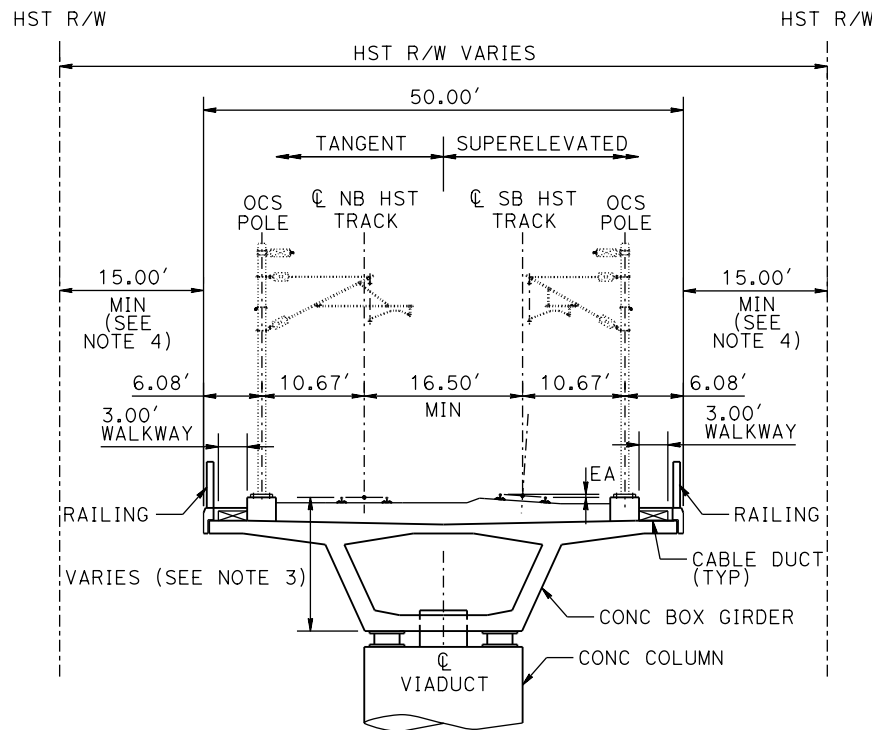
SECTION C-C

TANGENT

STATION SJD-FRE 5719+30 TO 5727+10
 STATION SJD-FRE 5741+40 TO 5747+55
 STATION SJD-FRE 6495+90 TO 6497+10
 STATION SJD-FRE 6518+60 TO 6522+20
 STATION SJD-FRE 6811+54 TO 6812+99
 STATION SJD-FRE 6842+89 TO 6852+69
 STATION SJD-FRE 7173+64 TO 7176+04
 STATION MER-FRE 15188+15 TO 15187+85*
 STATION MER-FRE 15211+65 TO 15218+78*

SUPERELEVATED

STATION SJD-FRE 5747+55 TO 5753+40
 STATION SJD-FRE 5764+15 TO 5768+95
 STATION SJD-FRE 5804+86 TO 5806+11
 STATION SJD-FRE 5881+10 TO 5900+90
 STATION SJD-FRE 6126+30 TO 6127+55
 STATION SJD-FRE 6132+55 TO 6140+30
 STATION SJD-FRE 7106+55 TO 7108+95
 STATION MER-FRE 15036+01 TO 15038+41*
 STATION MER-FRE 15052+52 TO 15054+72*
 STATION MER-FRE 15264+70 TO 15266+15*
 STATION MER-FRE 15285+30 TO 15294+90*
 STATION MER-FRE 15309+58 TO 15312+88*
 STATION MER-FRE 15435+20 TO 15437+60*



NOTE:

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

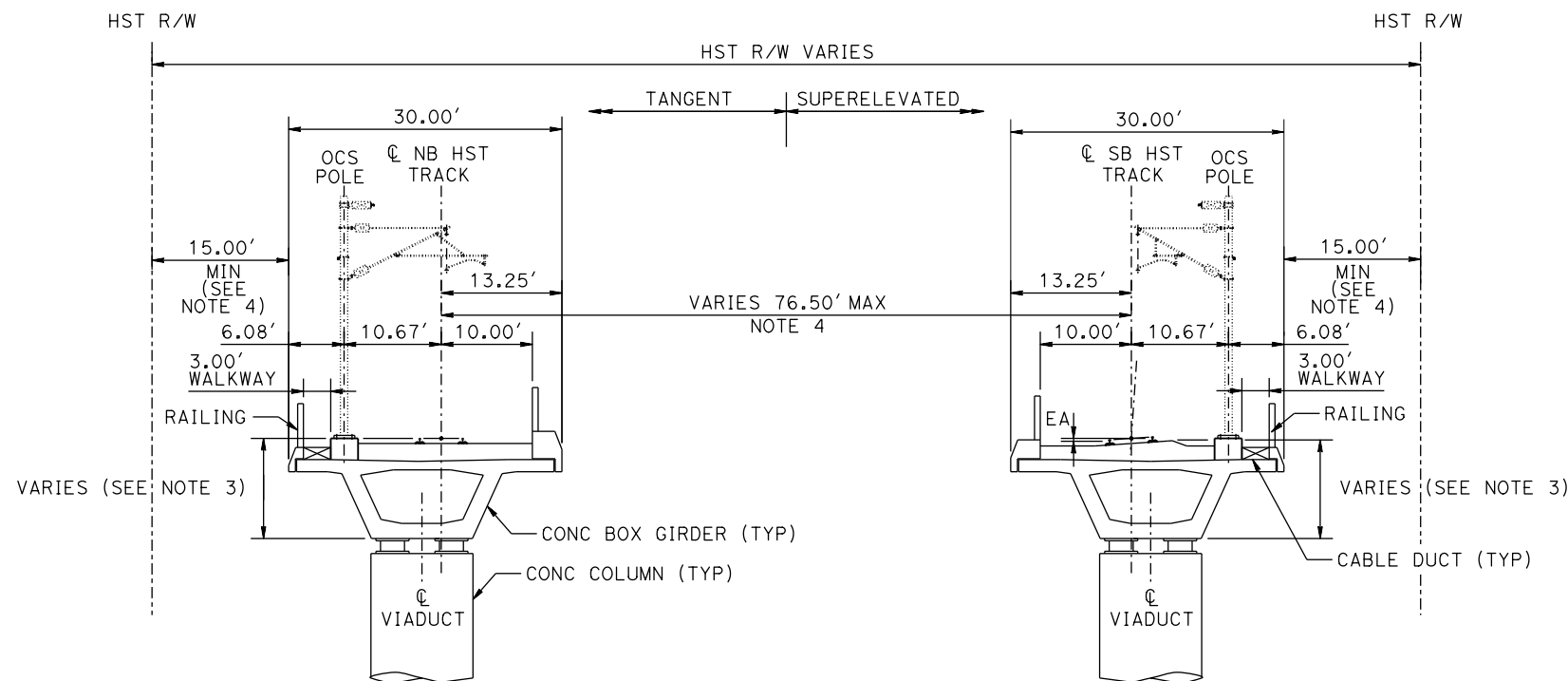
**SECTION C-C
TWO TRACKS ON AERIAL STRUCTURE**

SECTION D-D

TANGENT

NONE

SUPERELEVATED
 STATION MER-FRE 14942+95 TO 14946+06*
 STATION MER-FRE 14970+75 TO 14972+80*
 STATION SJD-MER 36476+37 TO 36479+27



*TYPICAL SECTION IS VIEWED IN THE DIRECTION OF DECREASING STATIONING

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

07-MAR-2016 08:01 MF-TT-B0021-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

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

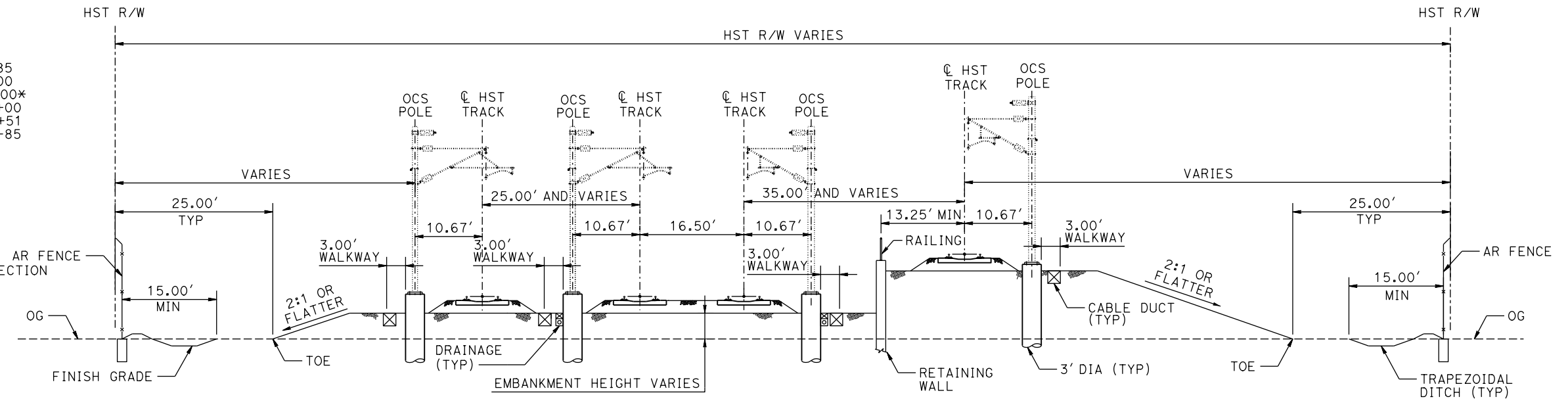
SECTION E-E

TANGENT

STATION SJD-FRE 6305+00 TO 6326+85
 STATION SJD-FRE 6577+30 TO 6590+00
 STATION MER-FRE 14876+00 TO 14888+00*
 STATION MER-FRE 15102+00 TO 15121+00
 STATION SJD-MER 36525+74 TO 36545+51
 STATION SJD-MER 36305+00 TO 36326+85

SUPERELEVATED
 NONE

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



**SECTION E-E
 THREE TRACKS AT GRADE
 ONE TRACK ON RETAINED FILL**

NOTE: OPTIONAL RETAINING WALL TO OUTSIDE OF HST TRACK NOT SHOWN

SECTION F-F

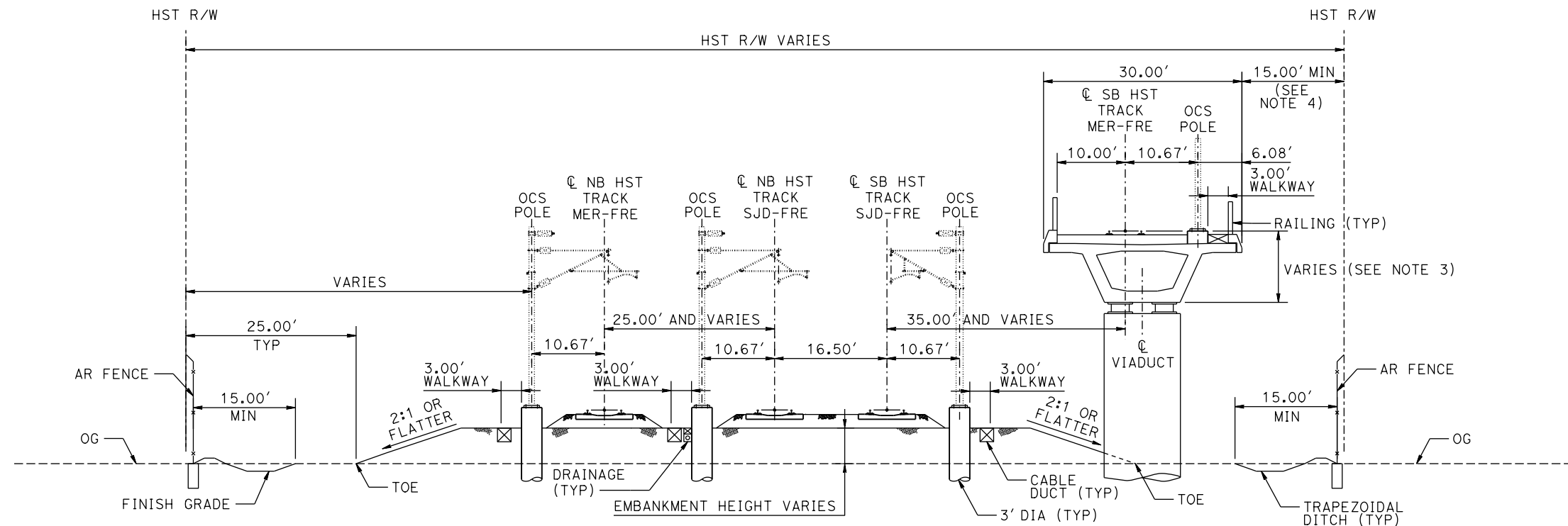
TANGENT

STATION SJD-FRE 6549+50 TO 6577+30
 STATION MER-FRE 14888+10 TO 14908+88*

SUPERELEVATED

STATION MER-FRE 14908+88 TO 14916+70*

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



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

NOTE:

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

07-MAR-2016 08:02 MF-TT-B0022-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DATE
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**RECORD SET
 15% DESIGN
 SUBMITTAL**

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 CONSTRUCTION**



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

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TYPICAL SECTIONS
 SHEET 3 OF 8

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0022-C

SCALE
N.T.S.

SHEET NO.

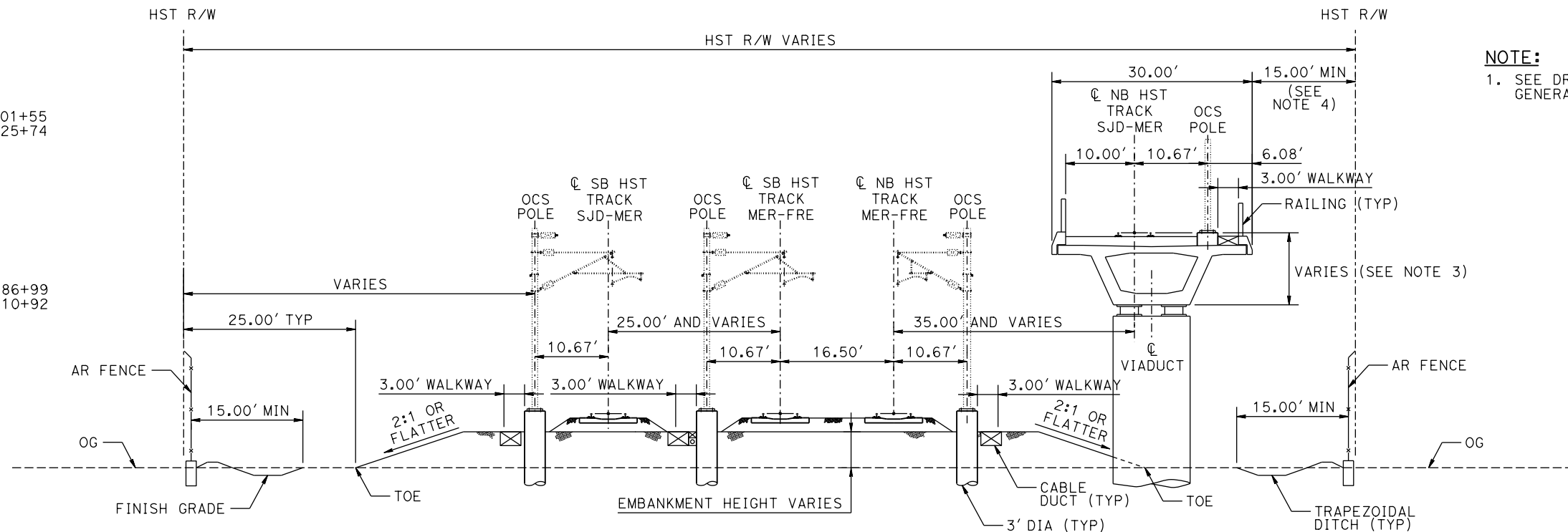
SECTION G-G

TANGENT

STATION MER-FRE 15086+99 TO 15101+55
STATION SJD-MER 36510+92 TO 36525+74

SUPERELEVATED

STATION MER-FRE 15081+71 TO 15086+99
STATION SJD-MER 36506+88 TO 36510+92



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

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

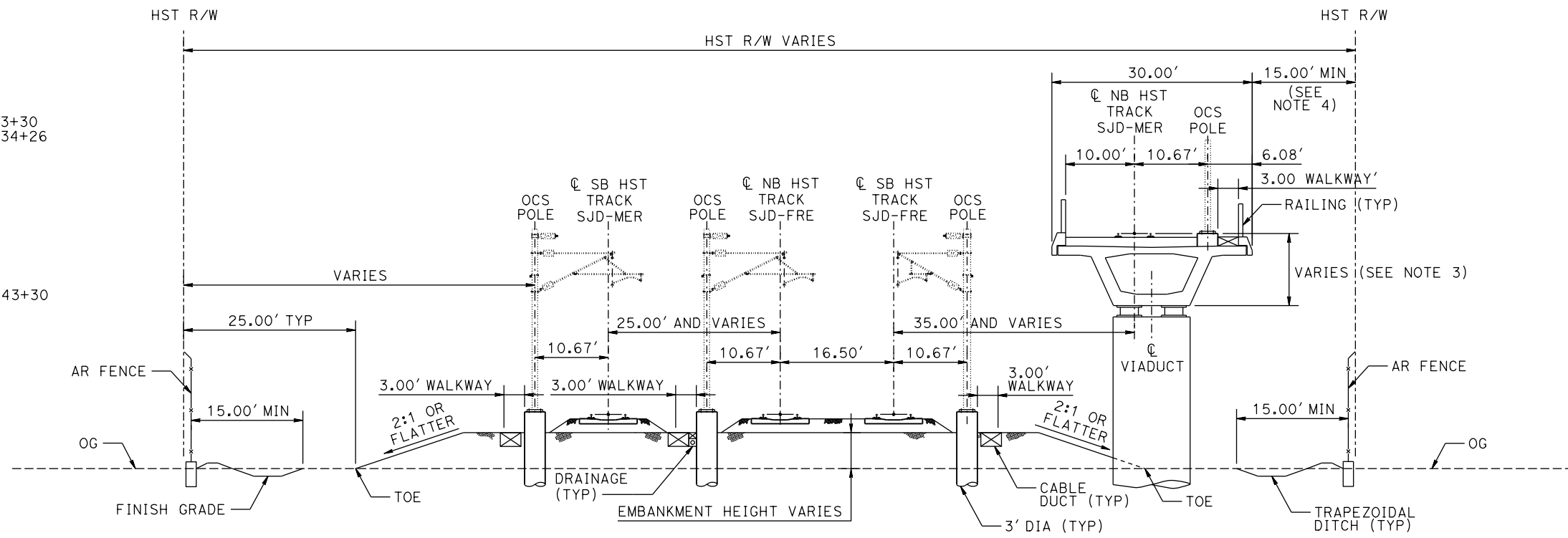
SECTION H-H

TANGENT

STATION SJD-FRE 6326+85 TO 6343+30
STATION SJD-MER 36326+85 TO 36334+26

SUPERELEVATED

STATION SJD-MER 36334+26 TO 36343+30



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

07-MAR-2016 08:02 MF-TT-B0023-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI
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C. LEMLEY
DATE
03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS
SHEET 4 OF 8

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0023-C

SCALE
N.T.S.

SHEET NO.

SECTION I-I

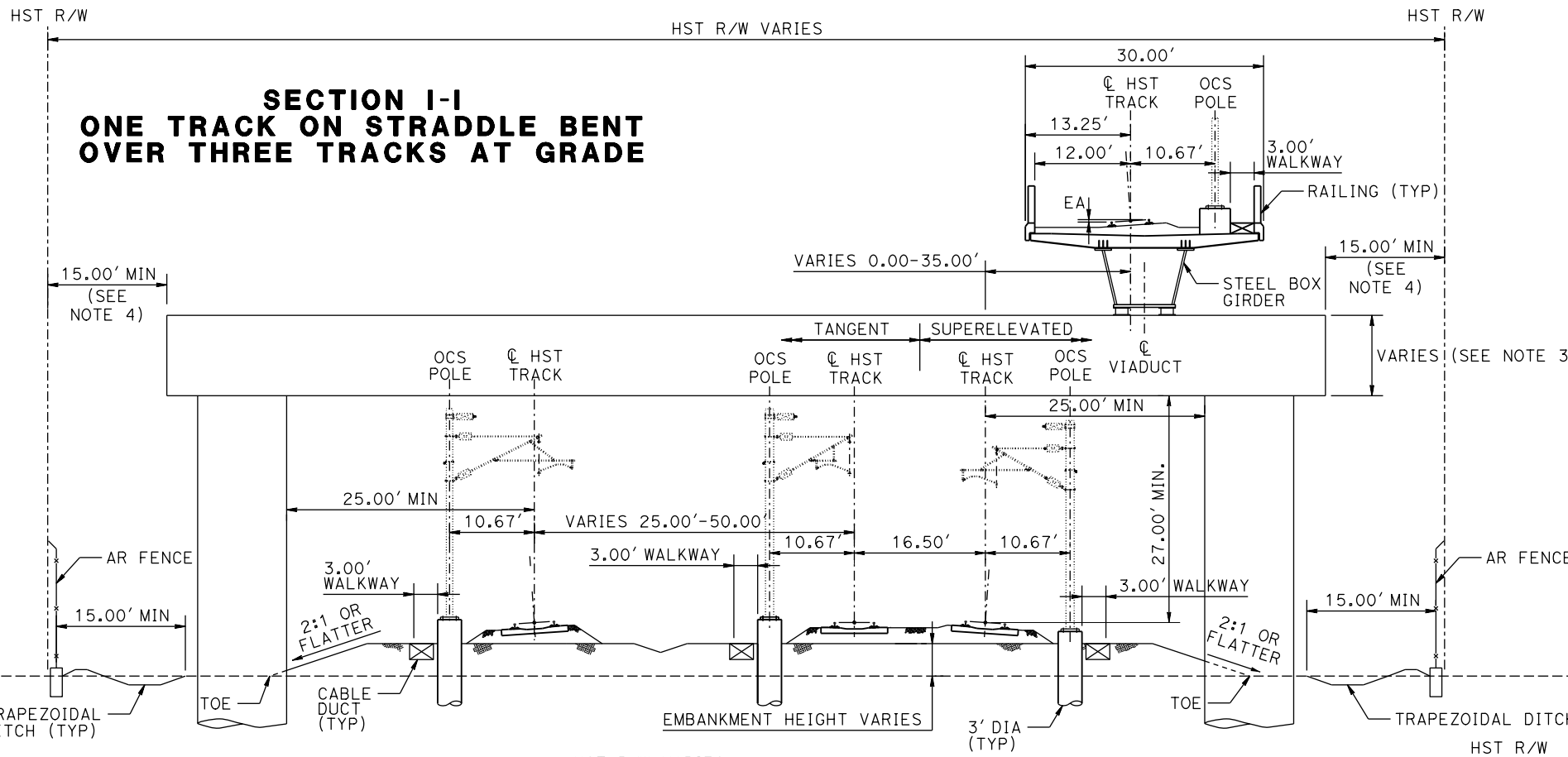
TANGENT

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

SUPERELEVATED

STATION MER-FRE 14916+70 TO 14924+00*
STATION MER-FRE 15076+00 TO 15079+11
STATION SJD-MER 36343+30 TO 36348+50
STATION SJD-MER 36500+50 TO 36503+29

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



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

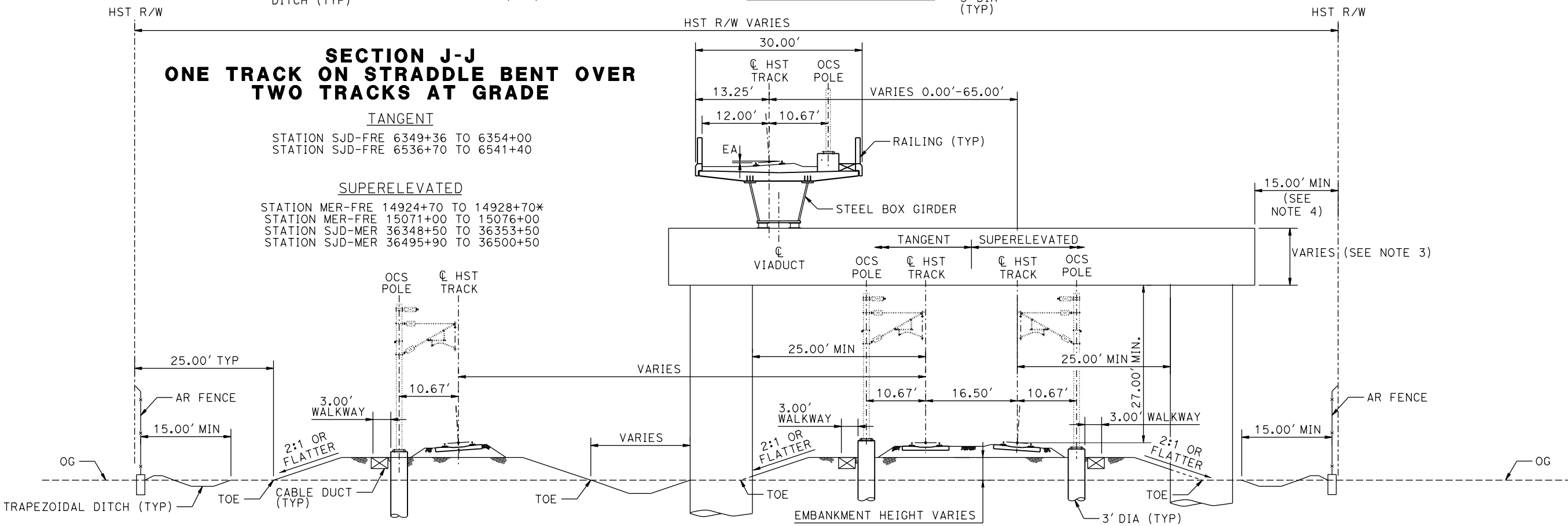
SECTION J-J
ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

TANGENT

STATION SJD-FRE 6349+36 TO 6354+00
STATION SJD-FRE 6536+70 TO 6541+40

SUPERELEVATED

STATION MER-FRE 14924+70 TO 14928+70*
STATION MER-FRE 15071+00 TO 15076+00
STATION SJD-MER 36348+50 TO 36353+50
STATION SJD-MER 36495+90 TO 36500+50



07-MAR-2016 08:03 MF-TT-B0024-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DATE
03/18/2016

RECORD SET
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CONSTRUCTION



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

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

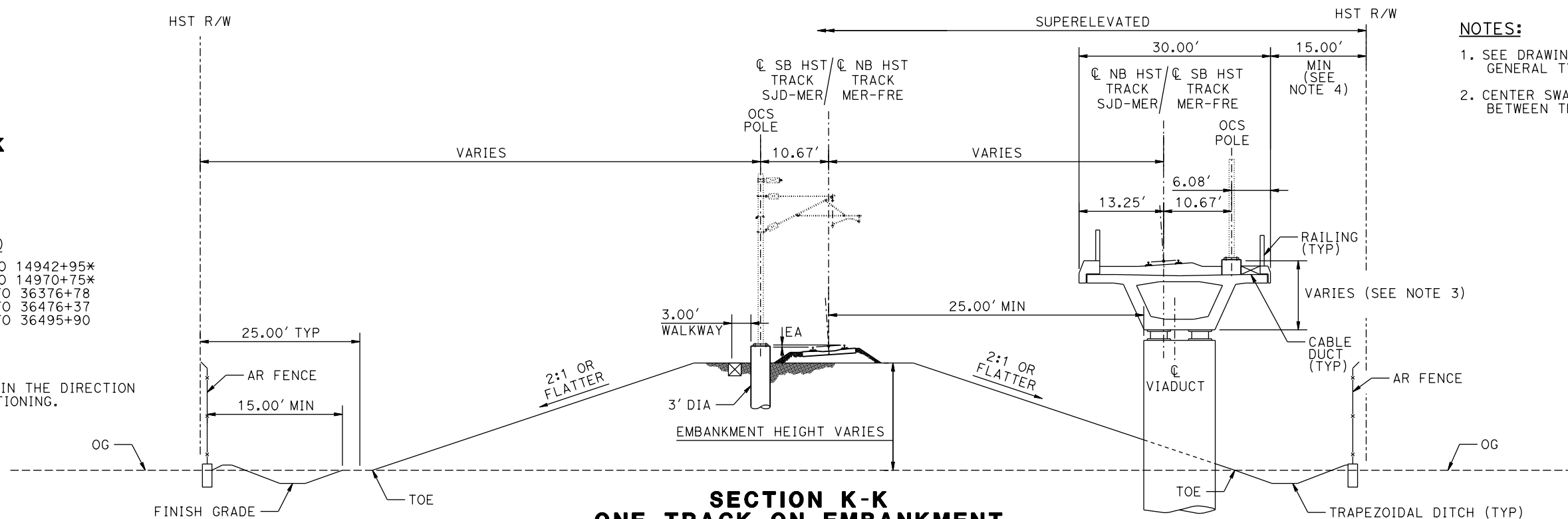
SECTION K-K

TANGENT
NONE

SUPERELEVATED

STATION MER-FRE 14928+70 TO 14942+95*
 STATION MER-FRE 14946+35 TO 14970+75*
 STATION SJD-MER 36353+50 TO 36376+78
 STATION SJD-MER 36458+42 TO 36476+37
 STATION SJD-MER 36479+27 TO 36495+90

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



NOTES:

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

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

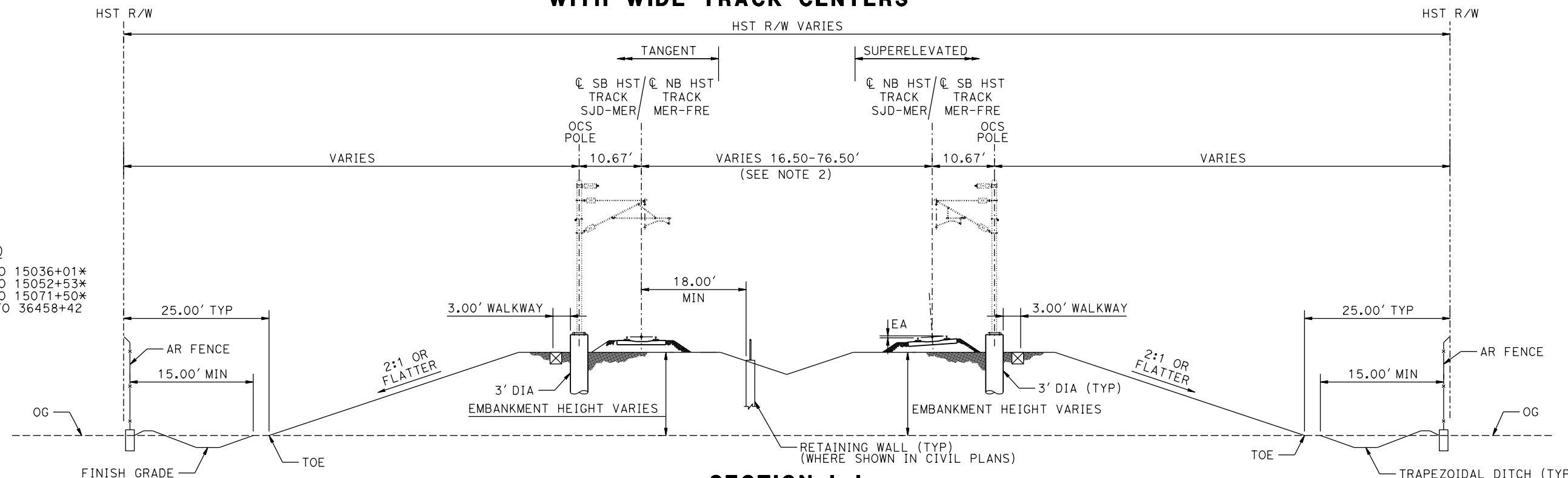
SECTION L-L

TANGENT
NONE

SUPERELEVATED

STATION MER-FRE 14972+80 TO 15036+01*
 STATION MER-FRE 15038+41 TO 15052+53*
 STATION MER-FRE 15054+73 TO 15071+50*
 STATION SJD-MER 36376+78 TO 36458+42

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



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

07-MAR-2016 08:04 MF-TT-B0025-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
 15% DESIGN
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



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

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TYPICAL SECTIONS
 SHEET 6 OF 8

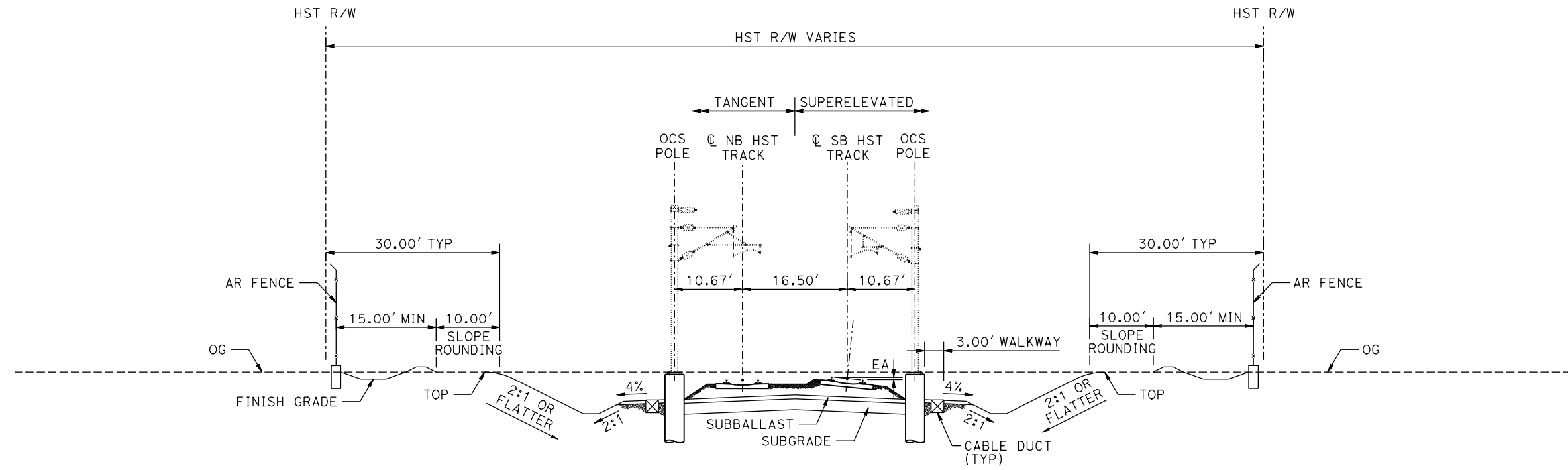
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0025-C

SCALE
N.T.S.

SHEET NO.

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



**SECTION M-M
 TWO TRACKS IN CUT**

TANGENT
 NONE

SUPERELEVATED
 STATION MER-FRE 15473+47 TO 15476+20

07-MAR-2016 08:04 MF-TT-B0026-C.dgn
 P0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
 15% DESIGN
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



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

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TYPICAL SECTIONS
 SHEET 7 OF 8

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

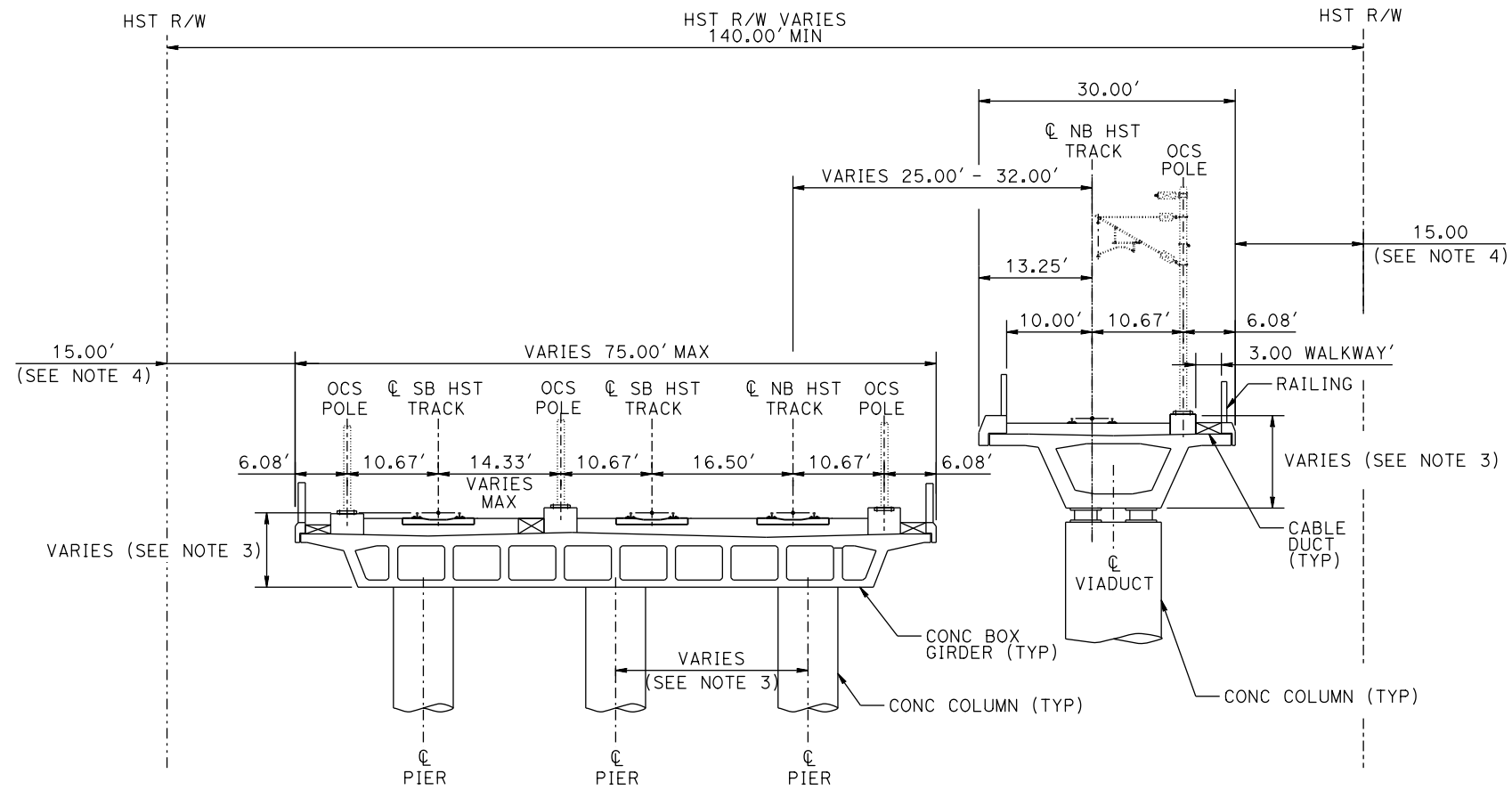
NOTE:
 1. SEE DRAWING TT-B0020-C FOR
 GENERAL TYPICAL SECTION NOTES.

**SECTION 0-0
 FOUR TRACKS ON TWO AERIAL
 STRUCTURES**

TANGENT
 NONE

SUPERELEVATED

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



12-MAR-2016 06:54 MF-TT-B0027-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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 DATE
03/18/2016

**RECORD SET
 15% DESIGN
 SUBMITTAL**

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 CONSTRUCTION**



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

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

CONTRACT NO.
 HSR08-05

DRAWING NO.
 TT-B0027-C

SCALE
 N.T.S.

SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	5338+00.00	1858051.11	6509106.39		2974.09							S 89°46'01" E		
	TANGENT	TS	5367+74.09	1858039.02	6512080.45											
21-13 SJD-FRE 1 SB	CLOTHOID	TS	5367+74.09	1858039.02	6512080.45											
	CLOTHOID	SPI	5378+74.11	1858034.54	6513180.46		1650	1°01'39"	824.99	2.47					S 89°46'01" E	S 88°44'22" E
	CLOTHOID	SC	5384+24.09	1858022.44	6513730.35											
	ARC	SC	5384+24.09	1858022.44	6513730.35											
	ARC	PI	5472+76.87	1857827.68	6522580.99	46000	17491.7	21°47'13"			250	3.75	1.68		S 88°44'22" E	S 66°57'09" E
	ARC	CC		1812033.58	6512718.35											
	ARC	CS	5559+15.79	1854361.86	6530727.14											
	CLOTHOID	CS	5559+15.79	1854361.86	6530727.14											
	CLOTHOID	SPI	5564+65.81	1854146.53	6531233.25		1650	1°01'39"	824.99	2.47					S 66°57'09" E	S 65°55'29" E
	CLOTHOID	ST	5575+65.79	1853697.8	6532237.58											
	TANGENT	ST	5575+65.79	1853697.8	6532237.58		17188.97							S 65°55'29" E		
	TANGENT	TS	5747+54.76	1846685.82	6547931.30											
21-13 SJD-FRE 2 SB	CLOTHOID	TS	5747+54.76	1846685.82	6547931.30											
	CLOTHOID	SPI	5758+54.78	1846237.08	6548935.63		1650	1°03'00"	824.99	2.52					S 65°55'29" E	S 66°58'30" E
	CLOTHOID	SC	5764+04.76	1846021.95	6549441.83											
	ARC	SC	5764+04.76	1846021.95	6549441.83											
	ARC	PI	5851+42.24	1842604.42	6557483.23	45016.5	17260.35	21°58'07"			250	4.00	1.55		S 66°58'30" E	S 88°56'36" E
	ARC	CC		1887452.14	6567049.35											
	ARC	CS	5936+65.11	1842443.29	6566219.23											
	CLOTHOID	CS	5936+65.11	1842443.29	6566219.23											
	CLOTHOID	SPI	5942+15.13	1842433.15	6566769.15		1650	1°03'00"	824.99	2.52					S 88°56'36" E	S 89°59'36" E
	CLOTHOID	ST	5953+15.11	1842433.02	6567869.17											
	TANGENT	ST	5953+15.11	1842433.02	6567869.17		16417.55							S 89°59'36" E		
	TANGENT	TS	6117+32.66	1842431.14	6584286.72											
21-13 SJD-FRE 3 SB	CLOTHOID	TS	6117+32.66	1842431.14	6584286.72											
	CLOTHOID	SPI	6124+99.33	1842431.05	6585053.39		1150	0°06'11"	575.00	0.17					S 89°59'36" E	S 89°53'26" E
	CLOTHOID	SC	6128+82.66	1842430.32	6585436.72											
	ARC	SC	6128+82.66	1842430.32	6585436.72											
	ARC	PI	6137+00.01	1842428.75	6586254.06	320000	1634.69	0°17'34"			250	0.50	0.28		S 89°53'26" E	S 89°35'52" E
	ARC	CC		1522430.9	6584824.95											
	ARC	CS	6145+17.35	1842423.02	6587071.39											

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

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI
DRAWN BY
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ELVIS C.
IN CHARGE
C. LEMLEY
DATE
10/30/2015

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 1 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0050-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	CLOTHOID	CS	6145+17.35	1842423.02	6587071.39											
	CLOTHOID	SPI	6149+00.69	1842420.32	6587454.72		1150	0°06'11"	575.00	0.17					S 89°35'52" E	S 89°29'41" E
	CLOTHOID	ST	6156+67.35	1842413.56	6588221.35											
	TANGENT	ST	6156+67.35	1842413.56	6588221.35		4344.28							S 89°29'41" E		
	TANGENT	TS	6200+11.63	1842375.26	6592565.46											
21-13 SJD-FRE 4 SB	CLOTHOID	TS	6200+11.63	1842375.26	6592565.46											
	CLOTHOID	SPI	6207+78.30	1842368.50	6593332.1		1150	0°09'53"	575.00	0.28					S 89°29'41" E	S 89°39'34" E
	CLOTHOID	SC	6211+61.63	1842366.22	6593715.43											
	ARC	SC	6211+61.63	1842366.22	6593715.43											
	ARC	PI	6219+89.30	1842361.31	6594543.08	200016.5	1655.32	0°28'27"			250	1.00	0.25		S 89°39'34" E	S 89°51'59" E
	ARC	CC		2042379.19	6594903.98											
	ARC	CS	6228+16.96	1842363.24	6595370.74											
	CLOTHOID	CS	6228+16.96	1842363.24	6595370.74											
	CLOTHOID	SPI	6232+00.29	1842364.13	6595754.08		1150	0°09'53"	575.00	0.28					S 89°51'59" E	S 89°42'06" E
	CLOTHOID	ST	6239+66.96	1842368.12	6596520.73											
	TANGENT	ST	6239+66.96	1842368.12	6596520.73		43433.03							S 89°42'06" E		
	TANGENT	TS	6673+99.99	1842594.34	6639953.17											
21-13 SJD-FRE 5 SB	CLOTHOID	TS	6673+99.99	1842594.34	6639953.17											
	CLOTHOID	SPI	6681+66.65	1842598.33	6640719.83		1150	0°03'36"	575.00	0.10					S 89°42'06" E	S 89°45'41" E
	CLOTHOID	SC	6685+49.99	1842599.93	6641103.16											
	ARC	SC	6685+49.99	1842599.93	6641103.16											
	ARC	PI	6691+55.16	1842602.45	6641708.33	550000	1210.35	0°07'34"			250	0.25	0.20		S 89°45'41" E	S 89°53'15" E
	ARC	CC		1292604.69	6643392.77											
	ARC	CS	6697+60.33	1842603.64	6642313.5											
	CLOTHOID	CS	6697+60.33	1842603.64	6642313.5											
	CLOTHOID	SPI	6701+43.67	1842604.39	6642696.83		1150	0°03'36"	575.00	0.10					S 89°53'15" E	S 89°56'51" E
CLOTHOID	ST	6709+10.33	1842605.09	6643463.5												
	TANGENT	ST	6709+10.33	1842605.09	6643463.5		1150							S 89°56'51" E		
	TANGENT	TS	6720+60.33	1842606.15	6644613.5											
21-13 SJD-FRE 6 SB	CLOTHOID	TS	6720+60.33	1842606.15	6644613.5											
	CLOTHOID	SPI	6728+27.00	1842606.85	6645380.16		1150	0°03'36"	575.00	0.10					S 89°56'51" E	S 89°53'15" E
	CLOTHOID	SC	6732+10.33	1842607.60	6645763.5											
	ARC	SC	6732+10.33	1842607.60	6645763.5											
	ARC	PI	6738+15.51	1842608.79	6646368.67	550000	1210.35	0°07'34"			250	0.25	0.20		S 89°53'15" E	S 89°45'41" E

28-OCT-2015 15:51:32 MF-TT-B0051-C.dgn

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 2 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0051-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")			
				NORTHING	EASTING										START ANGLE	END ANGLE		
21-13 SJD-FRE 6 SB	ARC	CC		2392606.54	6644684.23													
	ARC	CS	6744+20.68	1842611.31	6646973.84													
	CLOTHOID	CS	6744+20.68	1842611.31	6646973.84													
	CLOTHOID	SPI	6748+04.01	1842612.90	6647357.17		1150	0°03'36"	575.00	0.10						S 89°45'41" E	S 89°42'06" E	
	CLOTHOID	ST	6755+70.68	1842616.90	6648123.82													
	TANGENT	ST	6755+70.68	1842616.90	6648123.82		10136.64								S 89°42'06" E			
	TANGENT	TS	6857+07.32	1842669.69	6658260.33													
21-13 SJD-FRE 7 SB	CLOTHOID	TS	6857+07.32	1842669.69	6658260.33													
	CLOTHOID	SPI	6868+74.02	1842675.77	6659427.01		1750	1°25'57"	874.98	3.65						S 89°42'06" E	S 88°51'58" E	
	CLOTHOID	SC	6874+57.32	1842664.22	6660010.27													
	ARC	SC	6874+57.32	1842664.22	6660010.27													
	ARC	PI	7012+13.26	1842391.99	6673763.52	35000	26213.65	42°54'44"			250	4.75	2.39			S 88°51'58" E	S 45°57'13" E	
	ARC	CC		1807671.08	6659317.61													
	ARC	CS	7136+70.97	1832828.31	6683650.99													
	CLOTHOID	CS	7136+70.97	1832828.31	6683650.99													
	CLOTHOID	SPI	7141+41.64	1832501.08	6683989.3		1115.10	1°14'38"	355.26	3.65							S 45°57'13" E	S 44°42'35" E
	CLOTHOID	POE	7147+86.07	1832043.07	6684442.69													

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ELVIS C.
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C. LEMLEY
DATE
10/30/2015

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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 3 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0052-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	5338+00.00	1858067.61	6509106.46		2974.09							S 89°46'01" E			
	TANGENT	TS	5367+74.09	1858055.52	6512080.52												
21-13 SJD-FRE 1 NB	CLOTHOID	TS	5367+74.09	1858055.52	6512080.52												
	CLOTHOID	SPI	5378+74.11	1858051.04	6513180.53		1650	1°01'38"	824.99	2.47					S 89°46'01" E	S 88°44'23" E	
	CLOTHOID	SC	5384+24.09	1858038.95	6513730.42												
	ARC	SC	5384+24.09	1858038.95	6513730.42												
	ARC	PI	5472+80.35	1857844.17	6522584.54	46016.5	17498.57	21°47'16"			250	3.75	1.68		S 88°44'23" E	S 66°57'07" E	
	ARC	CC		1812033.58	6512718.35												
	ARC	CS	5559+22.66	1854376.93	6530733.87												
	CLOTHOID	CS	5559+22.66	1854376.93	6530733.87												
	CLOTHOID	SPI	5564+72.67	1854161.6	6531239.98		1650	1°01'38"	824.99	2.47						S 66°57'07" E	S 65°55'29" E
	CLOTHOID	ST	5575+72.66	1853712.86	6532244.31												
	TANGENT	ST	5575+72.66	1853712.86	6532244.31		17188.97							S 65°55'29" E			
	TANGENT	TS	5747+61.63	1846700.88	6547938.03												
21-13 SJD-FRE 2 NB	CLOTHOID	TS	5747+61.63	1846700.88	6547938.03												
	CLOTHOID	SPI	5758+61.65	1846252.15	6548942.36		1650	1°03'02"	824.99	2.52					S 65°55'29" E	S 66°58'31" E	
	CLOTHOID	SC	5764+11.63	1846037.02	6549448.56												
	ARC	SC	5764+11.63	1846037.02	6549448.56												
	ARC	PI	5851+45.59	1842620.91	6557486.75	45000	17253.42	21°58'04"			250	4.00	1.56		S 66°58'31" E	S 88°56'35" E	
	ARC	CC		1887452.14	6567049.35												
	ARC	CS	5936+65.05	1842459.8	6566219.23												
	CLOTHOID	CS	5936+65.05	1842459.8	6566219.23												
	CLOTHOID	SPI	5942+15.06	1842449.65	6566769.15		1650	1°03'02"	824.99	2.52						S 88°56'35" E	S 89°59'36" E
	CLOTHOID	ST	5953+15.05	1842449.52	6567869.17												
	TANGENT	ST	5953+15.05	1842449.52	6567869.17		16417.61							S 89°59'36" E			
	TANGENT	TS	6117+32.66	1842447.64	6584286.78												
21-13 SJD-FRE 3 NB	CLOTHOID	TS	6117+32.66	1842447.64	6584286.78												
	CLOTHOID	SPI	6124+99.32	1842447.55	6585053.45		1150	0°06'11"	575	0.17					S 89°59'36" E	S 89°53'26" E	
	CLOTHOID	SC	6128+82.66	1842446.82	6585436.78												
	ARC	SC	6128+82.66	1842446.82	6585436.78												
	ARC	PI	6137+00.08	1842445.25	6586254.2	320016.5	1634.83	0°17'34"			250	0.50	0.28		S 89°53'26" E	S 89°35'52" E	
	ARC	CC		1522430.9	6584825.01												
	ARC	CS	6145+17.49	1842439.51	6587071.6												

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M. TACTAY
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ELVIS C.
IN CHARGE
C. LEMLEY
DATE
10/30/2015

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 4 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0053-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	CLOTHOID	CS	6145+17.49	1842439.51	6587071.60											
	CLOTHOID	SPI	6149+00.83	1842436.82	6587454.92		1150	0°06'11"	575	0.17					S 89°35'52" E	S 89°29'41" E
	CLOTHOID	ST	6156+67.49	1842430.06	6588221.56											
	TANGENT	ST	6156+67.49	1842430.06	6588221.56		4344.26							S 89°29'41" E		
	TANGENT	TS	6200+11.75	1842391.76	6592565.65											
21-13 SJD-FRE 4 NB	CLOTHOID	TS	6200+11.75	1842391.76	6592565.65											
	CLOTHOID	SPI	6207+78.42	1842385.00	6593332.28		1150	0°09'53"	575	0.28					S 89°29'41" E	S 89°39'34" E
	CLOTHOID	SC	6211+61.75	1842382.72	6593715.61											
	ARC	SC	6211+61.75	1842382.72	6593715.61											
	ARC	PI	6219+89.30	1842377.81	6594543.15	200000	1655.09	0°28'27"			250	1.00	0.25		S 89°39'34" E	S 89°51'59" E
	ARC	CC		2042379.19	6594904.02											
	ARC	CS	6228+16.84	1842379.74	6595370.69											
	CLOTHOID	CS	6228+16.84	1842379.74	6595370.69											
	CLOTHOID	SPI	6232+00.17	1842380.63	6595754.03		1150	0°09'53"	575	0.28					S 89°51'59" E	S 89°42'06" E
	CLOTHOID	ST	6239+66.84	1842384.62	6596520.68											
	TANGENT	ST	6239+66.84	1842384.62	6596520.68		43432.96							S 89°42'06" E		
	TANGENT	TS	6673+99.80	1842610.84	6639953.05											
21-13 SJD-FRE 5 NB	CLOTHOID	TS	6673+99.80	1842610.84	6639953.05											
	CLOTHOID	SPI	6681+66.46	1842614.83	6640719.71		1150	0°03'36"	575	0.1					S 89°42'06" E	S 89°45'41" E
	CLOTHOID	SC	6685+49.80	1842616.43	6641103.04											
	ARC	SC	6685+49.80	1842616.43	6641103.04											
	ARC	PI	6691+55.01	1842618.95	6641708.24	550016.5	1210.42	0°07'34"			250	0.25	0.20		S 89°45'41" E	S 89°53'15" E
	ARC	CC		1292604.69	6643392.73											
	ARC	CS	6697+60.21	1842620.14	6642313.45											
	CLOTHOID	CS	6697+60.21	1842620.14	6642313.45											
	CLOTHOID	SPI	6701+43.55	1842620.89	6642696.78		1150	0°03'36"	575	0.1					S 89°53'15" E	S 89°56'51" E
	CLOTHOID	ST	6709+10.21	1842621.59	6643463.45											
	TANGENT	ST	6709+10.21	1842621.59	6643463.45		1150							S 89°56'51" E		
	TANGENT	TS	6720+60.21	1842622.65	6644613.45											
21-13 SJD-FRE 6 NB	CLOTHOID	TS	6720+60.21	1842622.65	6644613.45											
	CLOTHOID	SPI	6728+26.88	1842623.35	6645380.11		1150	0°03'36"	575	0.1					S 89°56'51" E	S 89°53'15" E
	CLOTHOID	SC	6732+10.21	1842624.10	6645763.45											
	ARC	SC	6732+10.21	1842624.10	6645763.45											
	ARC	PI	6738+15.35	1842625.29	6646368.58	549983.5	1210.27	0°07'34"			250	0.25	0.20		S 89°53'15" E	S 89°45'41" E
	ARC	CC		2392606.54	6644684.19											

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ELVIS C.
IN CHARGE
C. LEMLEY
DATE
10/30/2015

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 5 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0054-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
21-13 SJD-FRE 6 NB	ARC	CS	6744+20.49	1842627.81	6646973.71											
	CLOTHOID	CS	6744+20.49	1842627.81	6646973.71											
	CLOTHOID	SPI	6748+03.82	1842629.40	6647357.04		1150	0°03'36"	575	0.1					S 89°45'41" E	S 89°42'06" E
	CLOTHOID	ST	6755+70.49	1842633.40	6648123.70											
	TANGENT	ST	6755+70.49	1842633.40	6648123.70		10136.64							S 89°42'06" E		
	TANGENT	TS	6857+07.17	1842686.19	6658260.24											
21-13 SJD-FRE 7 NB	CLOTHOID	TS	6857+07.17	1842686.19	6658260.24											
	CLOTHOID	SPI	6868+73.87	1842692.27	6659426.93		1750	1°25'54"	874.98	3.64					S 89°42'06" E	S 88°52'00" E
	CLOTHOID	SC	6874+57.17	1842680.73	6660010.18											
	ARC	SC	6874+57.17	1842680.73	6660010.18											
	ARC	PI	7012+20.07	1842408.52	6673770.40	35016.5	26226.84	42°54'49"			250	4.75	2.39		S 88°52'00" E	S 45°57'11" E
	ARC	CC		1807671.08	6659317.61											
	ARC	CS	7136+84.00	1832839.89	6683662.76											
	CLOTHOID	CS	7136+84.00	1832839.89	6683662.76											
	CLOTHOID	SPI	7141+54.66	1832512.66	6684001.05		1115.04	1°14'36"	355.23	3.64					S 45°57'11" E	S 44°42'35" E
CLOTHOID	POE	7147+99.04	1832054.68	6684454.42												

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE
10/30/2015

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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 6 OF 9

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0055-C
SCALE
NO SCALE
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - SOUTHBOUND TRACK MERCED TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	14862+09.67	1842522.53	6632886.24		4678.66							S 89°42'06" W			
	TANGENT	TS	14908+88.34	1842498.16	6628207.64												
21-13 MER-FRE 1 SB	CLOTHOID	TS	14908+88.34	1842498.16	6628207.64												
	CLOTHOID	SPI	14918+88.61	1842492.95	6627207.38		1500	4°08'31"	749.87	9.03					S 89°42'06" W	N 86°09'24" W	
	CLOTHOID	SC	14923+88.34	1842526.49	6626708.26												
	ARC	SC	14923+88.34	1842526.49	6626708.26												
	ARC	PI	15013+74.28	1843128.82	6617742.52	10375	14810.85	81°47'34"				150	6.00	2.67		N 86°09'24" W	N 4°21'50" W
	ARC	CC		1852878.15	6627403.70												
	ARC	CS	15071+99.18	1852088.71	6617058.78												
	CLOTHOID	CS	15071+99.18	1852088.71	6617058.78												
	CLOTHOID	SPI	15076+99.43	1852587.51	6617020.71		1500	4°08'31"	749.87	9.03						N 4°21'50" W	N 0°13'19" W
	CLOTHOID	ST	15086+99.18	1853587.78	6617016.83												
	TANGENT	ST	15086+99.18	1853587.78	6617016.83		16620.06								N 0°13'19" W		
	TANGENT	TS	15253+19.25	1870207.72	6616952.43												
21-13 MER-FRE 2 SB	CLOTHOID	TS	15253+19.25	1870207.72	6616952.43												
	CLOTHOID	SPI	15268+19.36	1871707.82	6616946.62		2250	2°08'55"	1124.95	7.03					N 0°13'19" W	N 2°22'14" W	
	CLOTHOID	SC	15275+69.25	1872457.28	6616915.59												
	ARC	SC	15275+69.25	1872457.28	6616915.59												
	ARC	PI	15385+02.72	1883381.39	6616463.35	30000	20969.31	40°02'54"				250	5.75	2.58		N 2°22'14" W	N 42°25'09" W
	ARC	CC		1871216.38	6586941.27												
	ARC	CS	15485+38.56	1891452.82	6609088.20												
	CLOTHOID	CS	15485+38.56	1891452.82	6609088.20												
CLOTHOID	SPI	15492+88.66	1892006.56	6608582.23		2250	2°08'55"	1124.95	7.03						N 42°25'09" W	N 44°34'03" W	
CLOTHOID	ST	15507+88.56	1893075.28	6607529.52													
	TANGENT	ST	15507+88.56	1893075.28	6607529.52		14711.44								N 44°34'03" W		
	TANGENT	POE	15655+00.00	1903556.04	6597205.76												

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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
ELVIS C.
IN CHARGE
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DATE
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 TO ROAD 13 WYE - NORTHBOUND TRACK MERCED TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	24859+53.49	1842600.62	6633190.21		5041.47							S 89°42'06" W			
	TANGENT	TS	24909+94.96	1842574.36	6628148.81												
21-13 MER-FRE 1 NB	CLOTHOID	TS	24909+94.96	1842574.36	6628148.81												
	CLOTHOID	SPI	24919+95.24	1842569.15	6627148.54		1500	4°10'19"	749.87	9.10					S 89°42'06" W	N 86°07'35" W	
	CLOTHOID	SC	24924+94.96	1842602.94	6626649.43												
	ARC	SC	24924+94.96	1842602.94	6626649.43												
	ARC	PI	25014+06.46	1843204.96	6617758.29	10300	14692.94	81°43'56"			150	6.00	2.74		N 86°07'35" W	N 4°23'39" W	
	ARC	CC		1852879.41	6627345.26												
	ARC	CS	25071+87.90	1852090.27	6617075.53												
	CLOTHOID	CS	25071+87.90	1852090.27	6617075.53												
	CLOTHOID	SPI	25076+88.15	1852589.06	6617037.2		1500	4°10'19"	749.87	9.10					N 4°23'39" W	N 0°13'19" W	
	CLOTHOID	ST	25086+87.90	1853589.33	6617033.33												
	TANGENT	ST	25086+87.90	1853589.33	6617033.33		16618.58							N 0°13'19" W			
	TANGENT	TS	25253+06.48	1870207.78	6616968.93												
21-13 MER-FRE 2 NB	CLOTHOID	TS	25253+06.48	1870207.78	6616968.93												
	CLOTHOID	SPI	25268+06.59	1871707.88	6616963.12		2250	2°08'51"	1124.95	7.03					N 0°13'19" W	N 2°22'10" W	
	CLOTHOID	SC	25275+56.48	1872457.34	6616932.11												
	ARC	SC	25275+56.48	1872457.34	6616932.11												
	ARC	PI	25384+96.66	1883388.17	6616479.81	30016.5	20982.08	40°03'03"			250	5.75	2.58		N 2°22'10" W	N 42°25'13" W	
	ARC	CC		1871216.38	6586941.27												
	ARC	CS	25485+38.56	1891464.4	6609099.97												
	CLOTHOID	CS	25485+38.56	1891464.4	6609099.97												
	CLOTHOID	SPI	25492+88.66	1892018.14	6608593.98		2250	2°08'51"	1124.95	7.03					N 42°25'13" W	N 44°34'03" W	
	CLOTHOID	ST	25507+88.56	1893086.85	6607541.28												
	TANGENT	ST	25507+88.56	1893086.85	6607541.28		14711.45							N 44°34'03" W			
	TANGENT	POE	25655+00.00	1903567.62	6597217.51												

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
NB TRACK MERCED TO FRESNO GEOMETRY DATA
SHEET 8 OF 9

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0057-C

SCALE
NO SCALE

SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 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	POB	36288+62.83	1842435.12	6601416.31		4563.41							N 89°42'06" E			
	TANGENT	TS	36334+26.24	1842458.89	6605979.66												
21-13 SJD-MER 1 SB	CLOTHOID	TS	36334+26.24	1842458.89	6605979.66												
	CLOTHOID	SPI	36344+26.52	1842464.1	6606979.92		1500	4°10'19"	749.87	9.1					N 89°42'06" E	N 85°31'46" E	
	CLOTHOID	SC	36349+26.24	1842503.09	6607478.65												
	ARC	SC	36349+26.24	1842503.09	6607478.65												
	ARC	PI	36438+13.75	1843195.83	6616339.13	10300	14665.47	81°34'46"				150	6.00	2.74		N 85°31'46" E	N 3°57'00" E
	ARC	CC		1852771.76	6606675.82												
	ARC	CS	36495+91.70	1852062.23	6616951.35												
	CLOTHOID	CS	36495+91.70	1852062.23	6616951.35												
	CLOTHOID	SPI	36500+91.96	1852561.3	6616985.81		1500	4°10'19"	749.87	9.1						N 3°57'00" E	N 0°13'19" W
	CLOTHOID	ST	36510+91.70	1853561.57	6616981.94												
	TANGENT	ST	36510+91.70	1853561.57	6616981.94		3459.68								N 0°13'19" W		
	TANGENT	POE	36545+51.39	1857021.22	6616968.53												

TRACK ALIGNMENT DATA SUMMARY TABLE - AVENUE 21 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	POB	46291+67.21	1842360.21	6601721.09		4269.09							N 89°42'06" E			
	TANGENT	TS	46334+36.30	1842382.45	6605990.12												
21-13 SJD-MER 1 NB	CLOTHOID	TS	46334+36.30	1842382.45	6605990.12												
	CLOTHOID	SPI	46344+36.58	1842387.65	6606990.38		1500	4°08'29"	749.87	9.03					N 89°42'06" E	N 85°33'37" E	
	CLOTHOID	SC	46349+36.30	1842426.38	6607489.13												
	ARC	SC	46349+36.30	1842426.38	6607489.13												
	ARC	PI	46438+99.55	1843120.22	6616425.48	10376.5	14785.53	81°38'28"				150	6.00	2.67		N 85°33'37" E	N 3°55'09" E
	ARC	CC		1852771.74	6606685.89												
	ARC	CS	46497+21.83	1852062.5	6617038.12												
	CLOTHOID	CS	46497+21.83	1852062.5	6617038.12												
	CLOTHOID	SPI	46502+22.08	1852561.58	6617072.31		1500	4°08'29"	749.87	9.03						N 3°55'09" E	N 0°13'19" W
	CLOTHOID	ST	46512+21.83	1853561.85	6617068.44												
	TANGENT	ST	46512+21.83	1853561.85	6617068.44		3459.74								N 0°13'19" W		
	TANGENT	POE	46546+81.57	1857021.56	6617055.03												

MF-TT-B0058-C.dgn
 28-OCT-2015 15:51:35
 P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

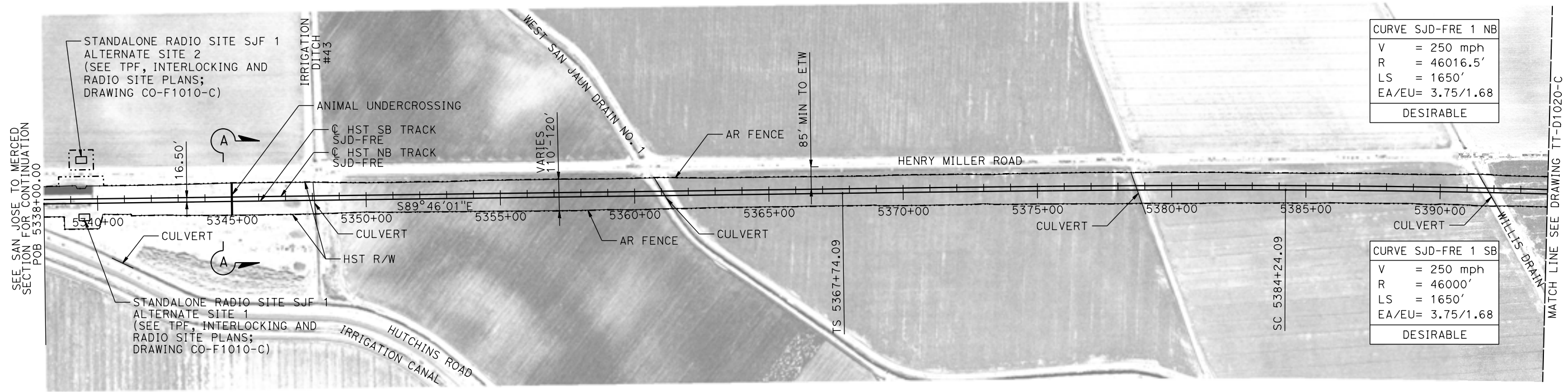
NOT FOR
CONSTRUCTION



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

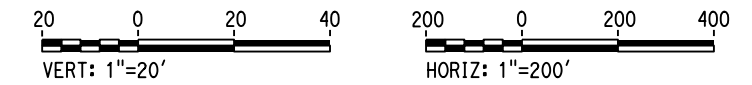
CONTRACT NO.
 HSR08-05
 DRAWING NO.
 TT-B0058-C
 SCALE
 NO SCALE
 SHEET NO.

MERCED COUNTY

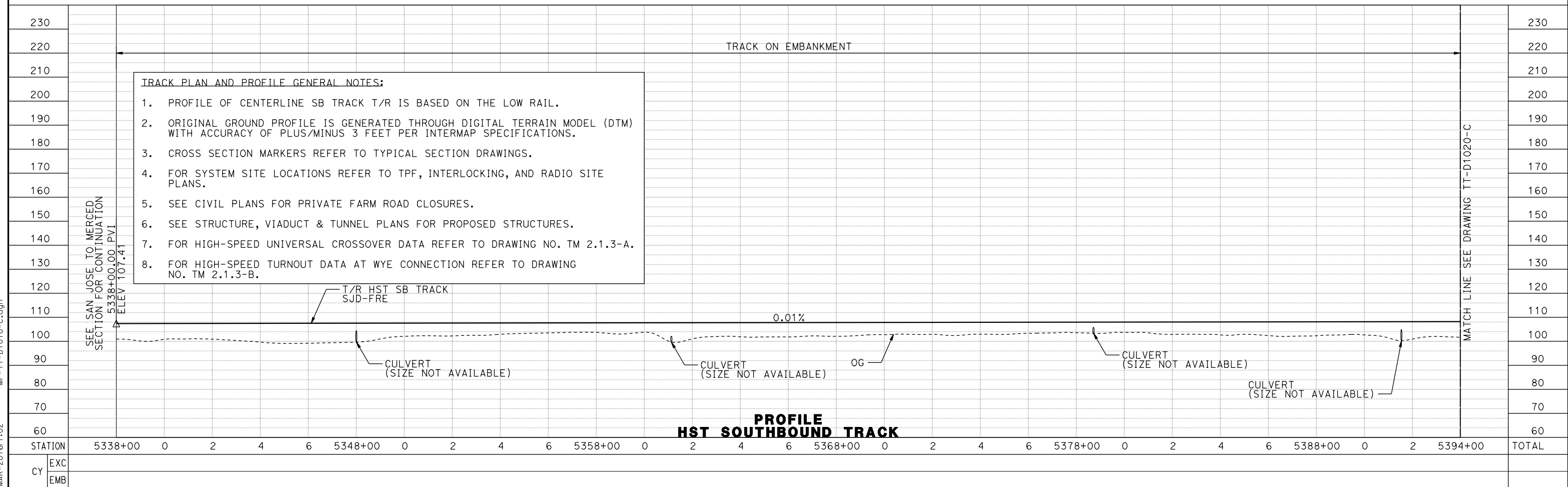


CURVE SJD-FRE 1 NB	
V	= 250 mph
R	= 46016.5'
LS	= 1650'
EA/EU	= 3.75/1.68
DESIRABLE	

CURVE SJD-FRE 1 SB	
V	= 250 mph
R	= 46000'
LS	= 1650'
EA/EU	= 3.75/1.68
DESIRABLE	



PLAN



PROFILE HST SOUTHBOUND TRACK

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

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

RECORD SET
15% DESIGN
SUBMITTAL

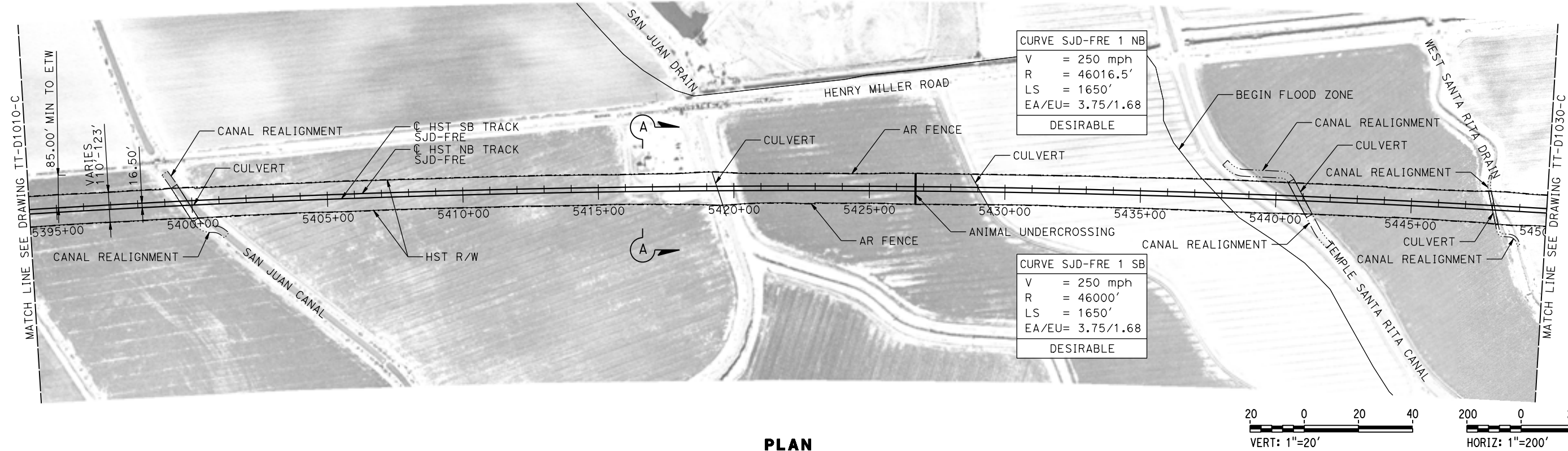
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CONSTRUCTION



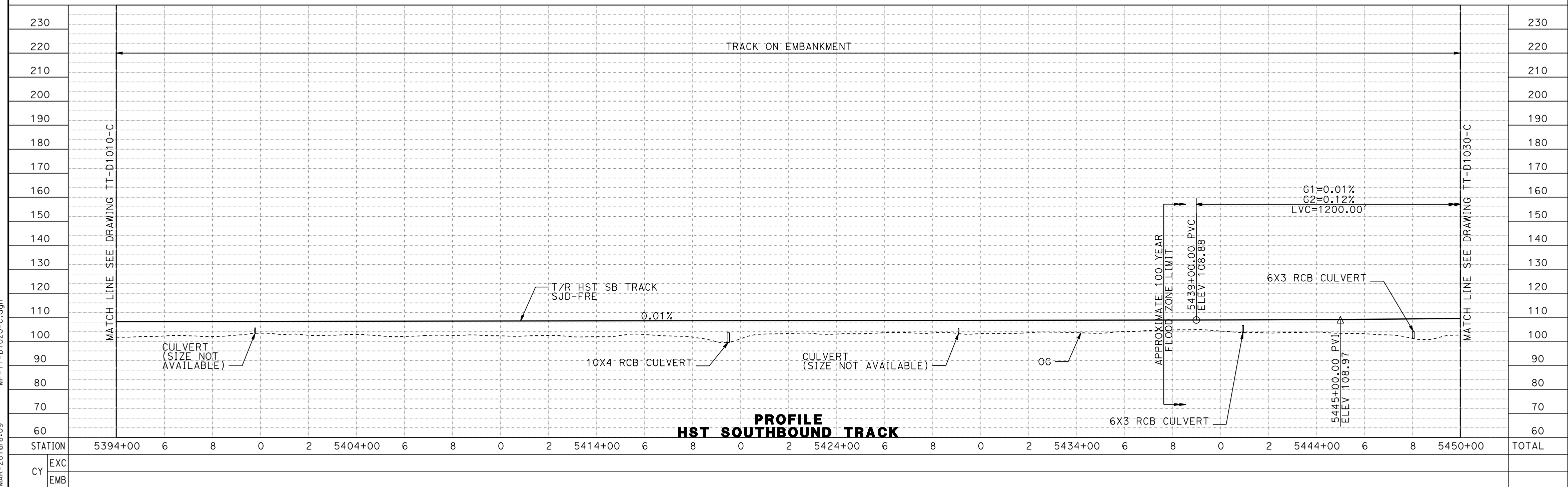
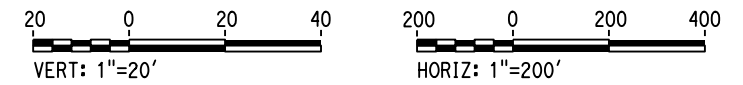
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION

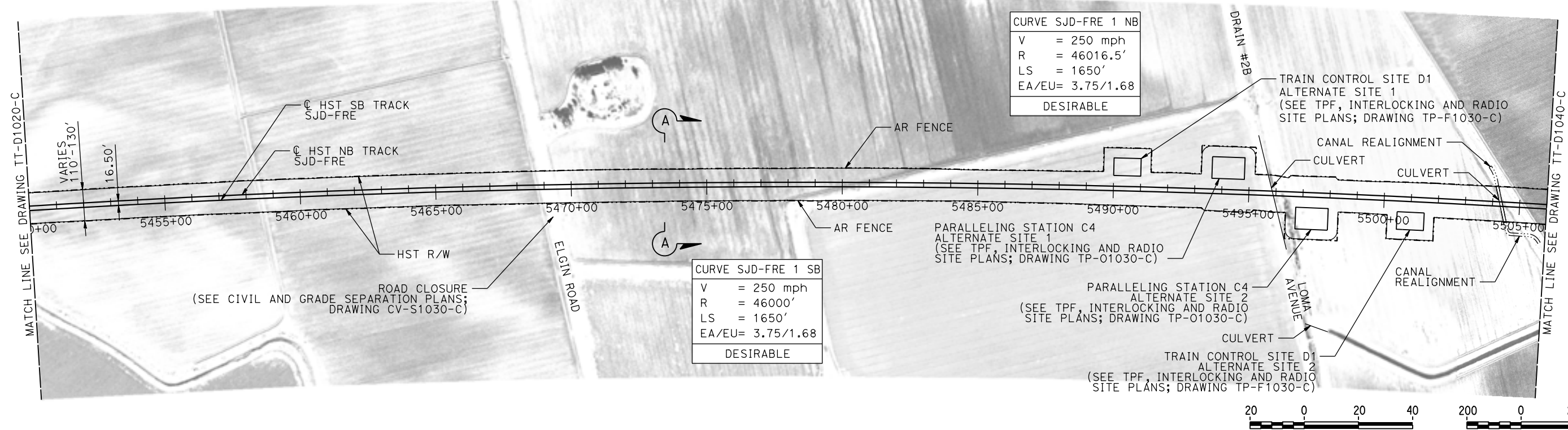


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5394+00 TO 5450+00

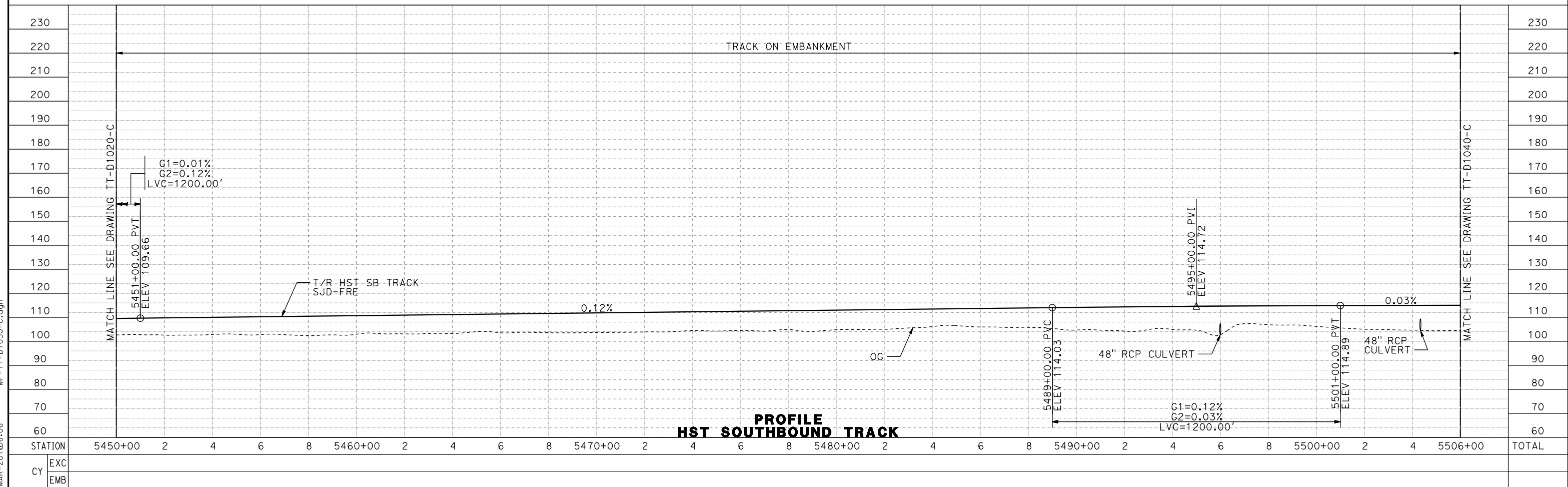
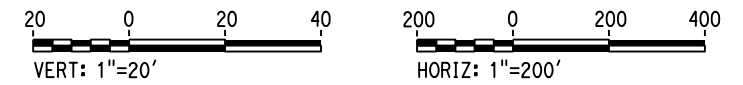
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HSR08-05
DRAWING NO.
TT-D1020-C
SCALE
AS SHOWN
SHEET NO.

11-MAR-2016 8:09 MF-TT-D1020-C.dgn

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
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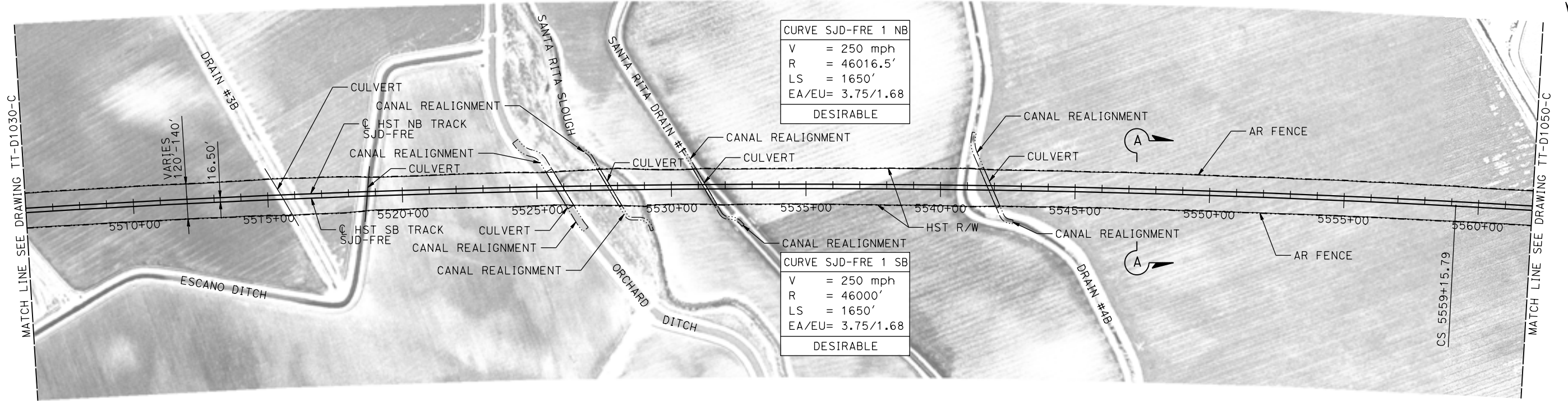


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5450+00 TO 5506+00

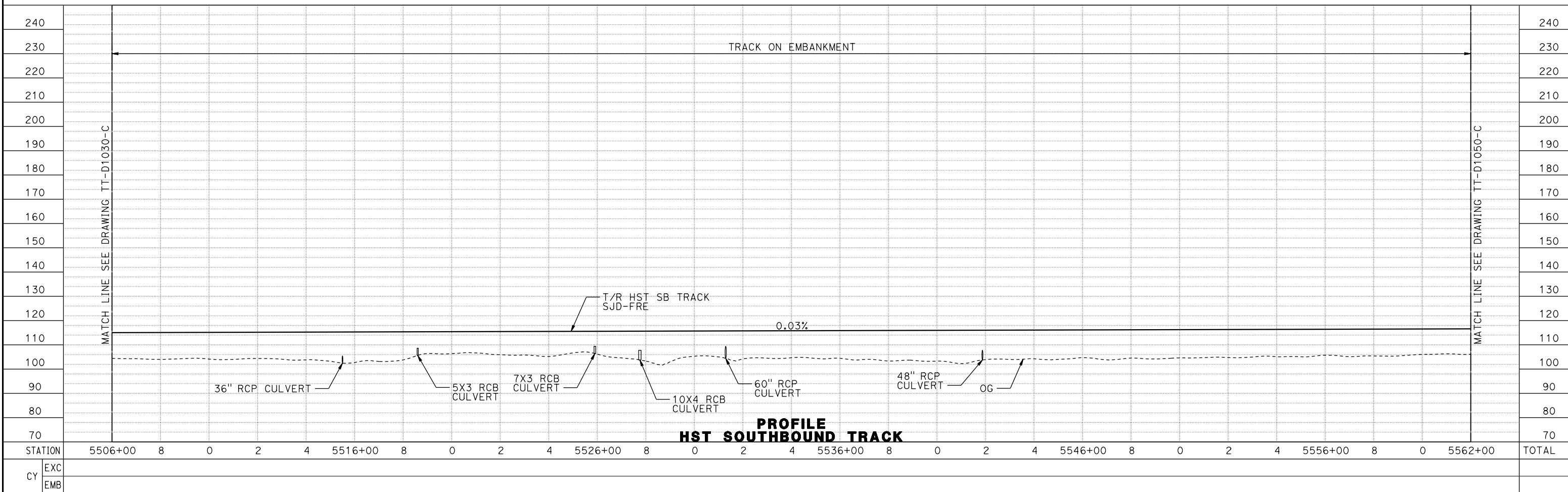
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HSR08-05
DRAWING NO.
TT-D1030-C
SCALE
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SHEET NO.

07-MAR-2016 08:08 MF-TT-D1030-C.dgn

MERCED COUNTY



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09-MAR-2016 08:25 MF-TT-D1040-C.dgn

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C. LEMLEY

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 5506+00 TO 5562+00

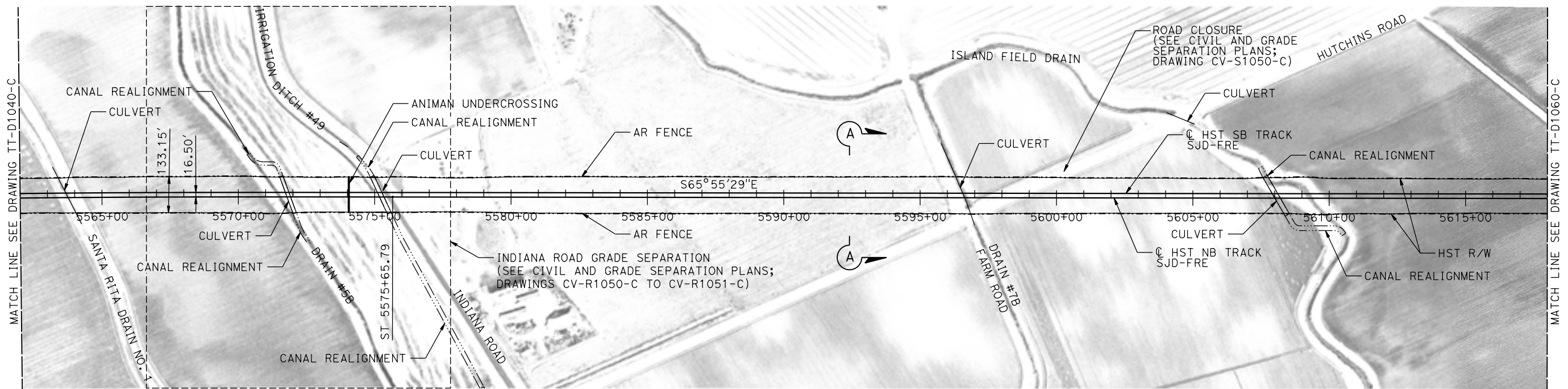
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HSR08-05

DRAWING NO.
TT-D1040-C

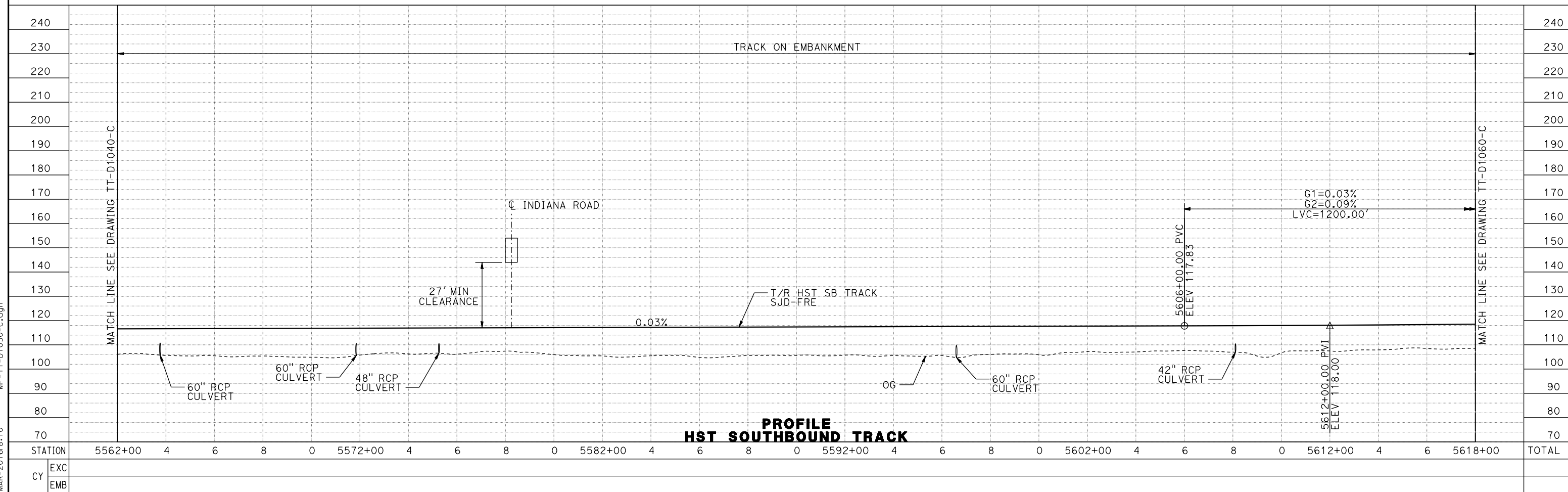
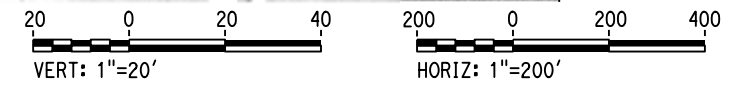
SCALE
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SHEET NO.

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 8:10 MF-TT-D1050-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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M. TACTAY

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ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5562+00 TO 5618+00

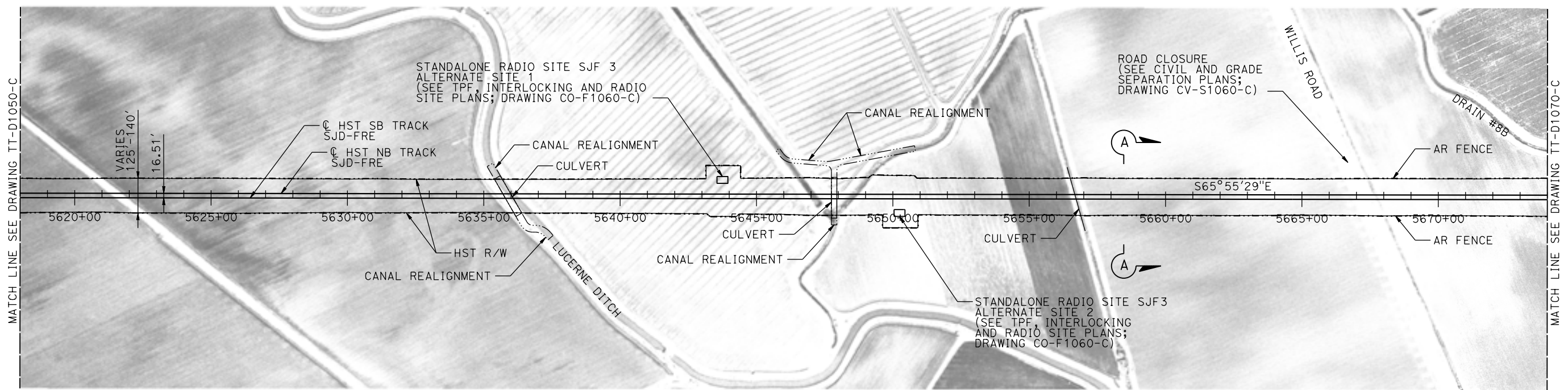
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HSR08-05

DRAWING NO.
TT-D1050-C

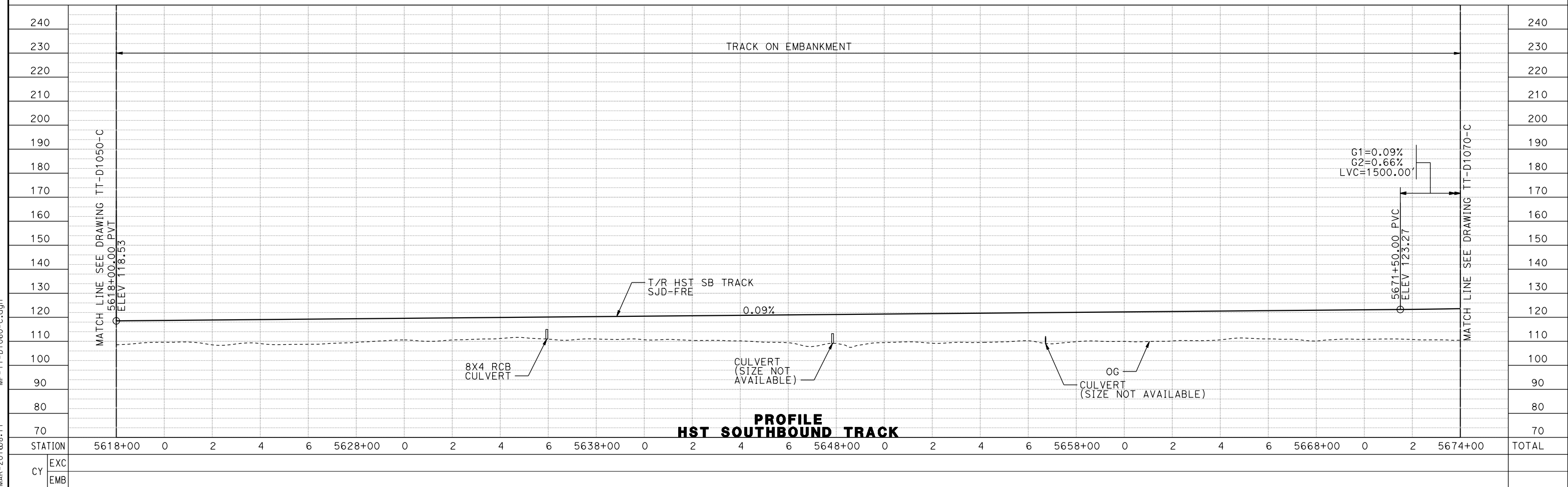
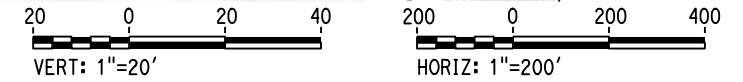
SCALE
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SHEET NO.

MERCED COUNTY



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PROFILE
HST SOUTHBOUND TRACK

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

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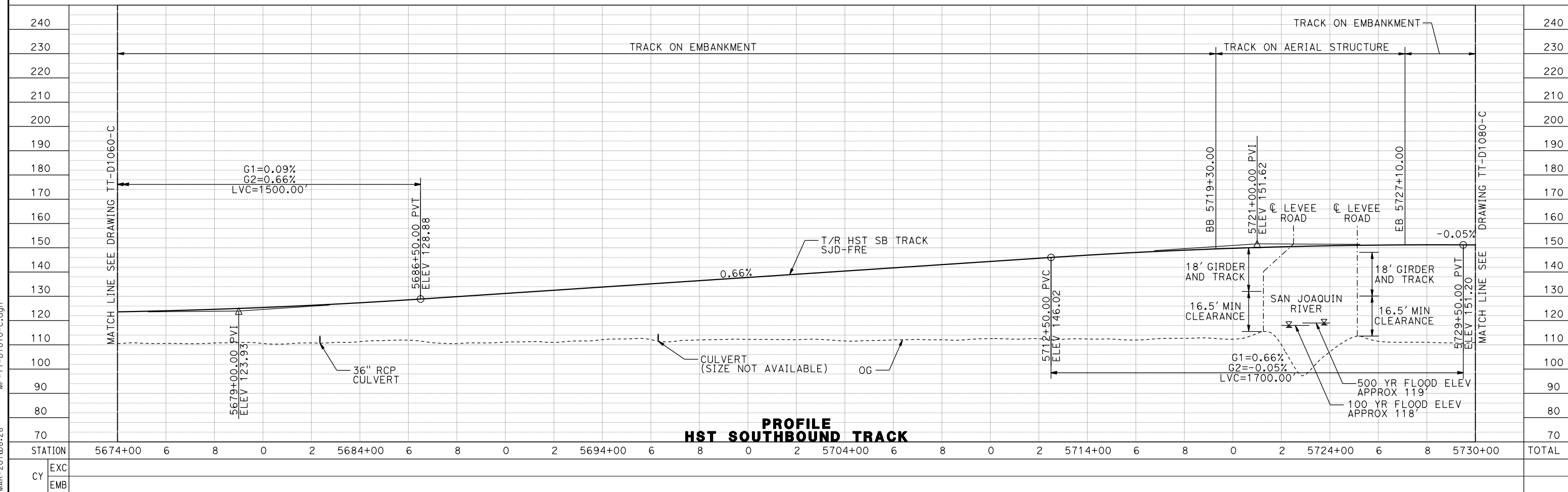
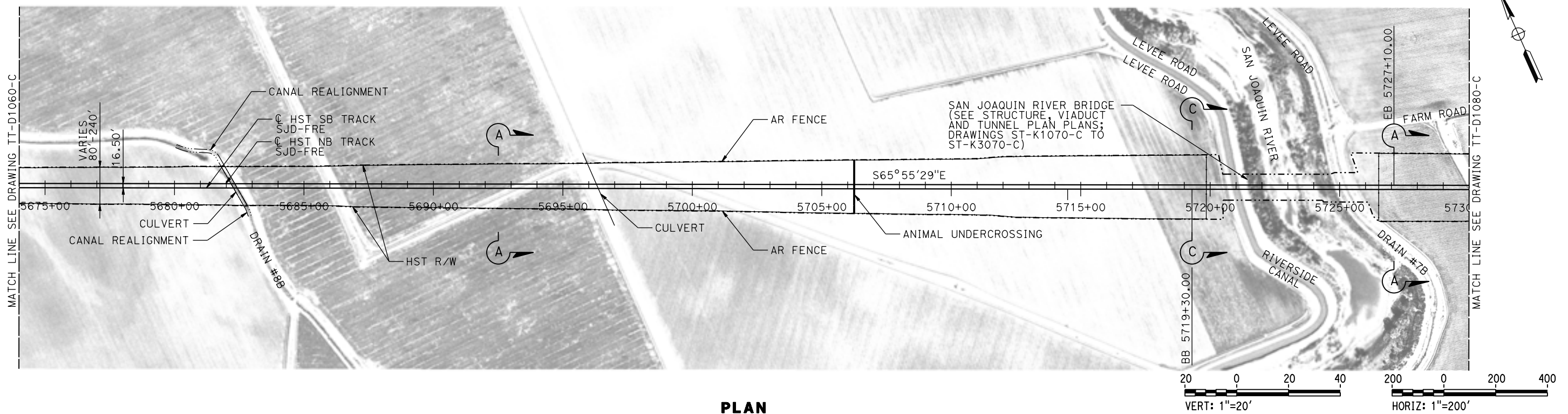


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5618+00 TO 5674+00

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

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

MERCED COUNTY



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

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M. TACTAY
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ELVIS C.
IN CHARGE
C. LEMLEY
DATE
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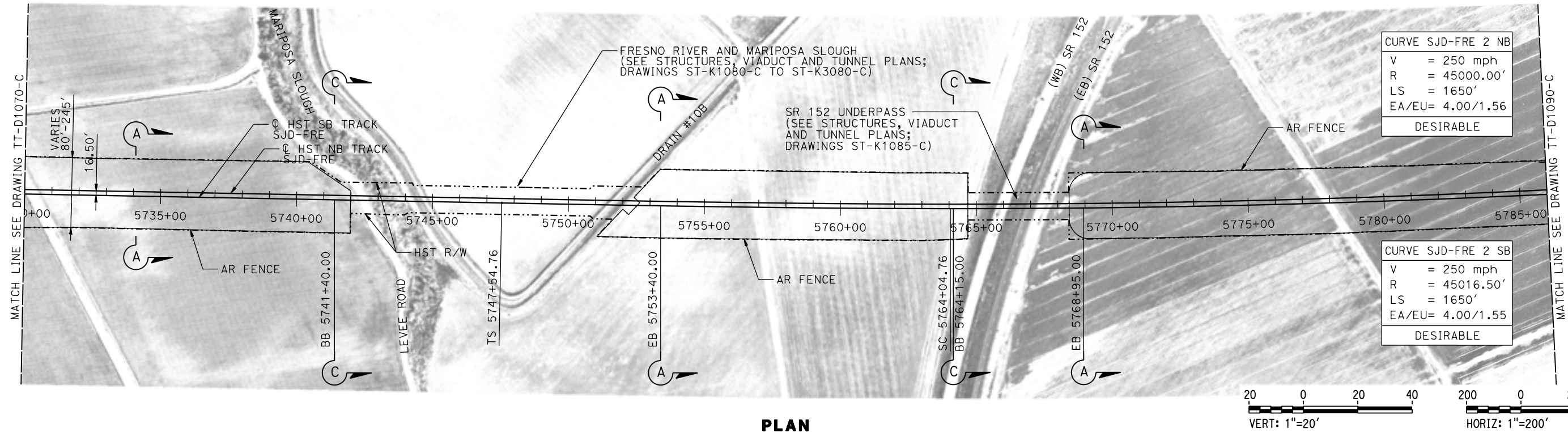
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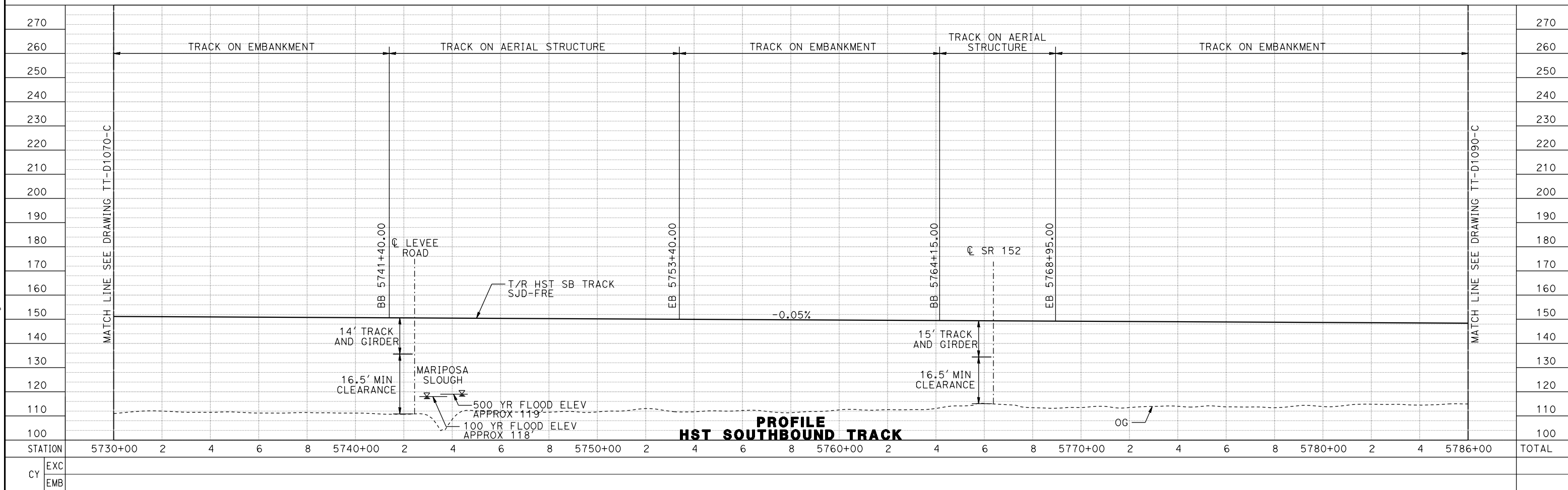
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5674+00 TO 5730+00

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

MERCED COUNTY



PLAN



07-MAR-2016 08:14 MF-TT-D1080-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 5730+00 TO 5786+00

CONTRACT NO.
HSR08-05

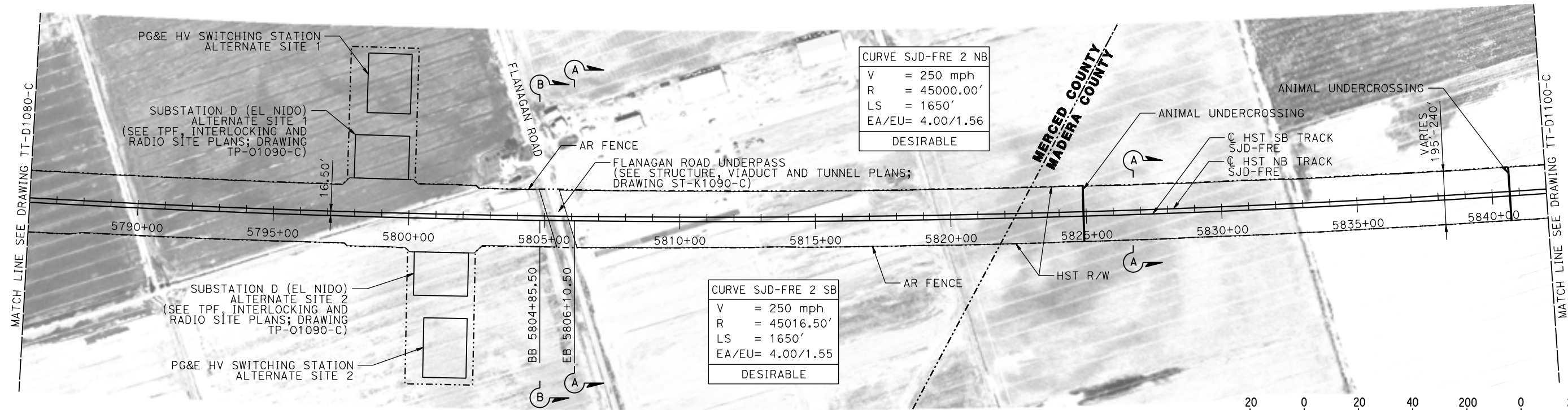
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SCALE
AS SHOWN

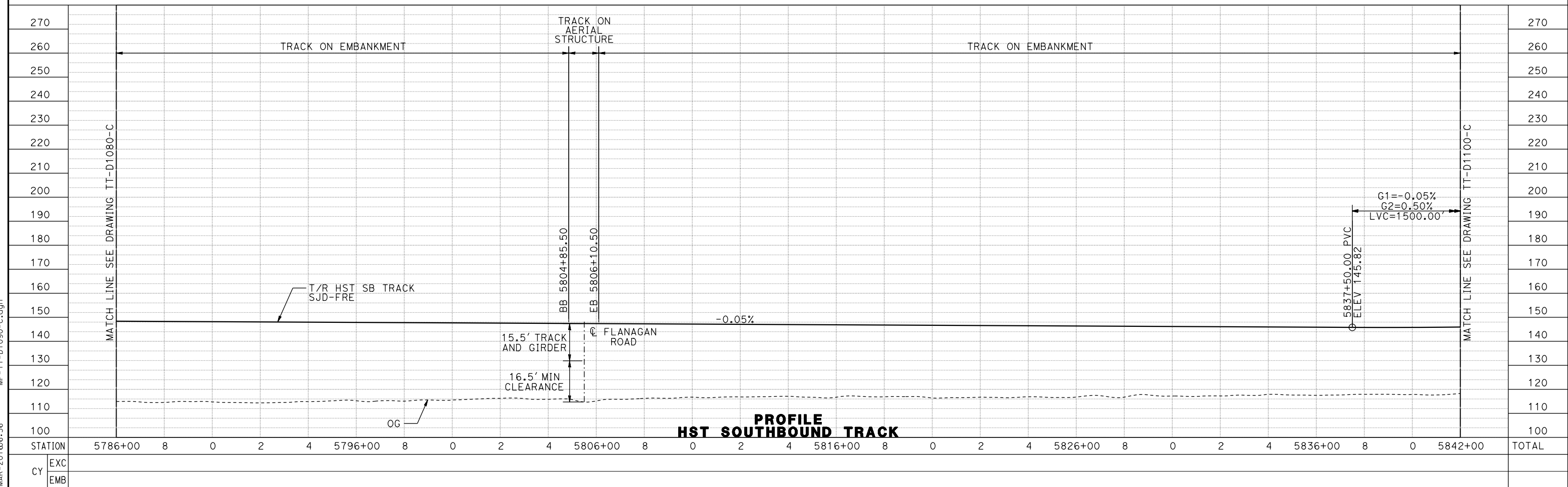
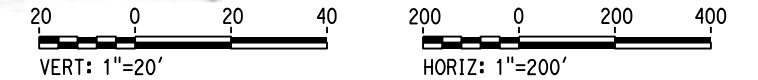
SHEET NO.

MERCED COUNTY

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 06:56 MF-TT-D1090-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5786+00 TO 5842+00

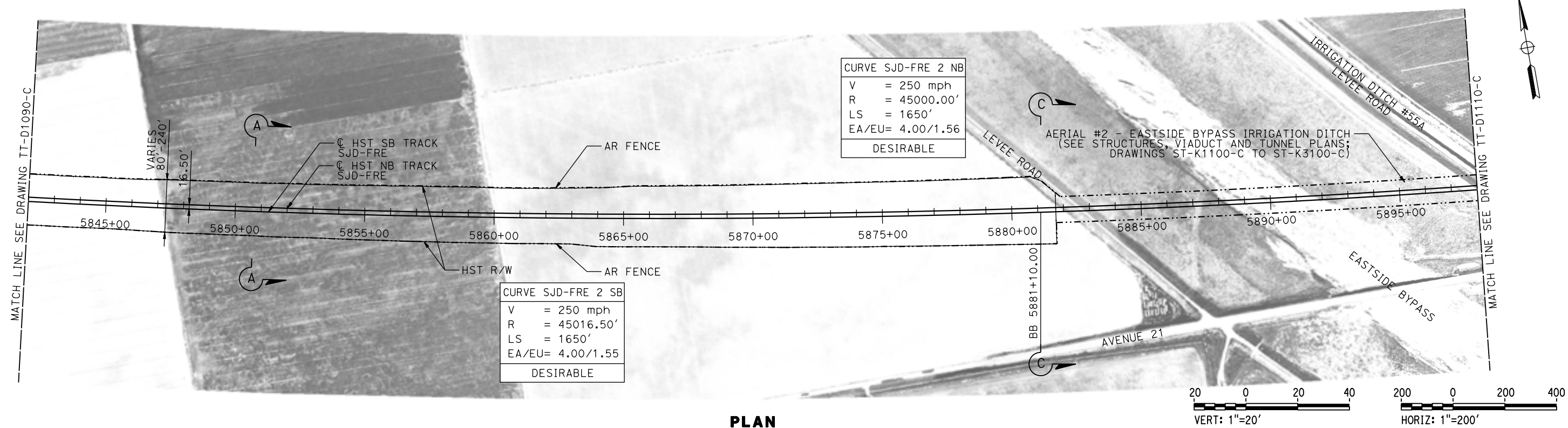
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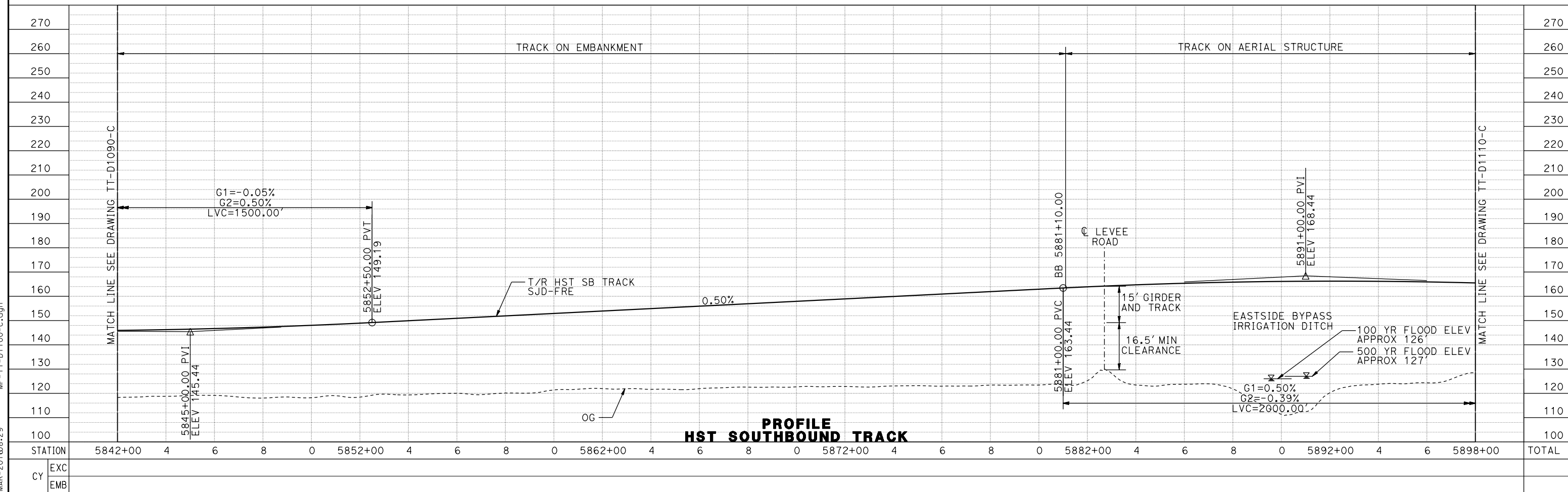
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

09-MAR-2016 08:29 MF-TT-D11100-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

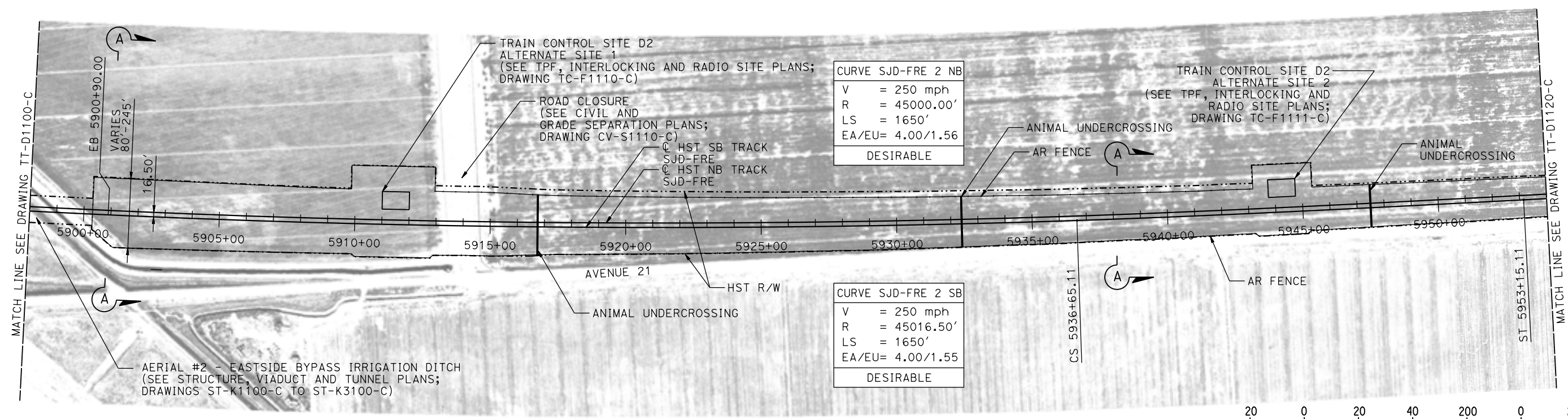
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1100-C

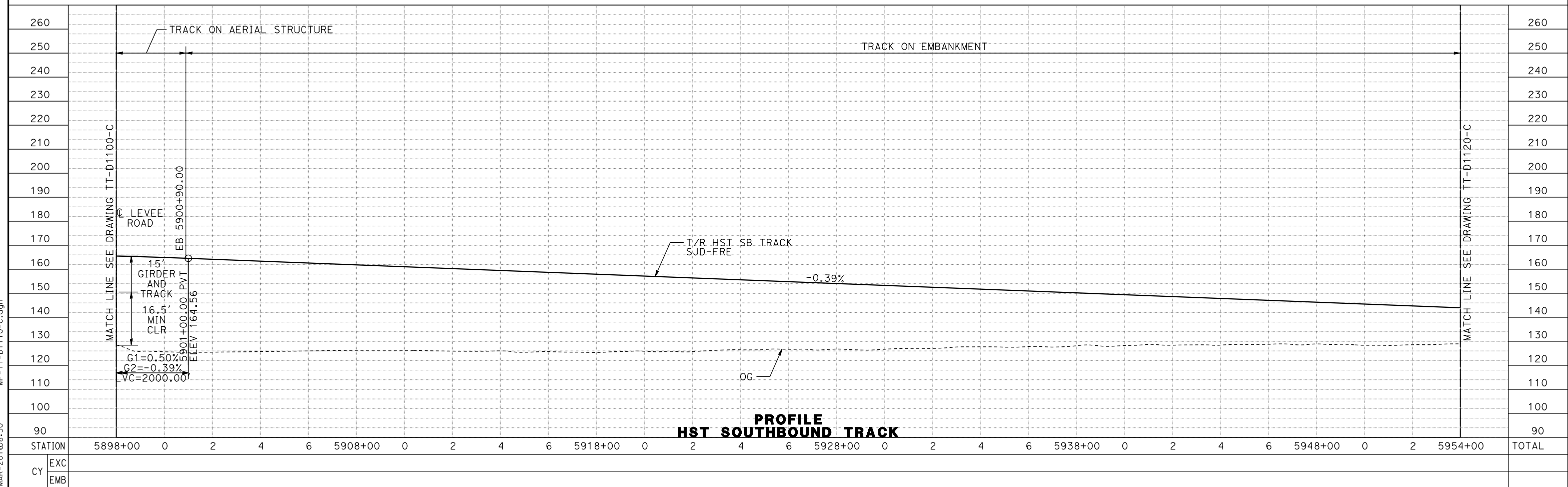
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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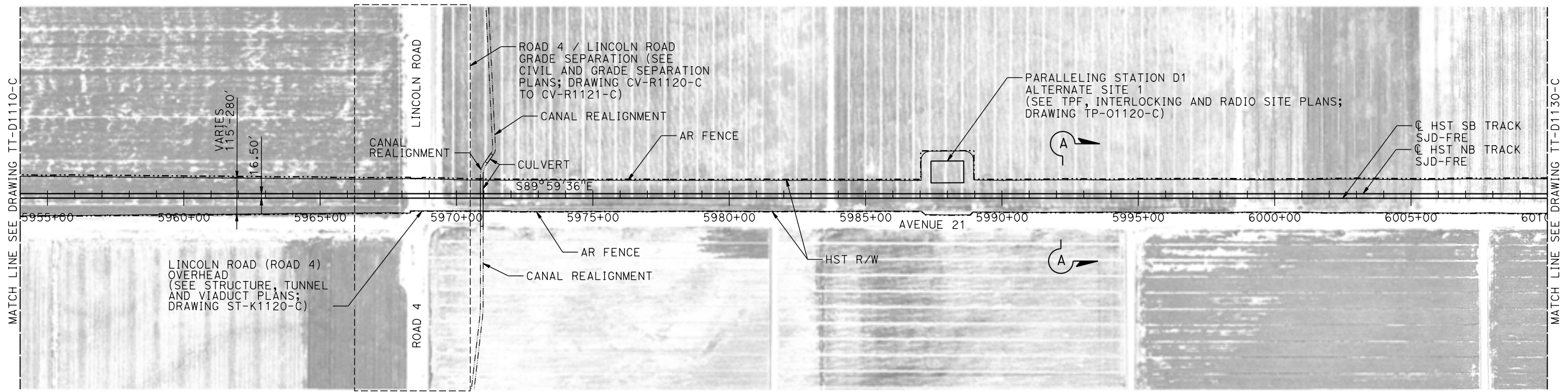


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5898+00 TO 5954+00

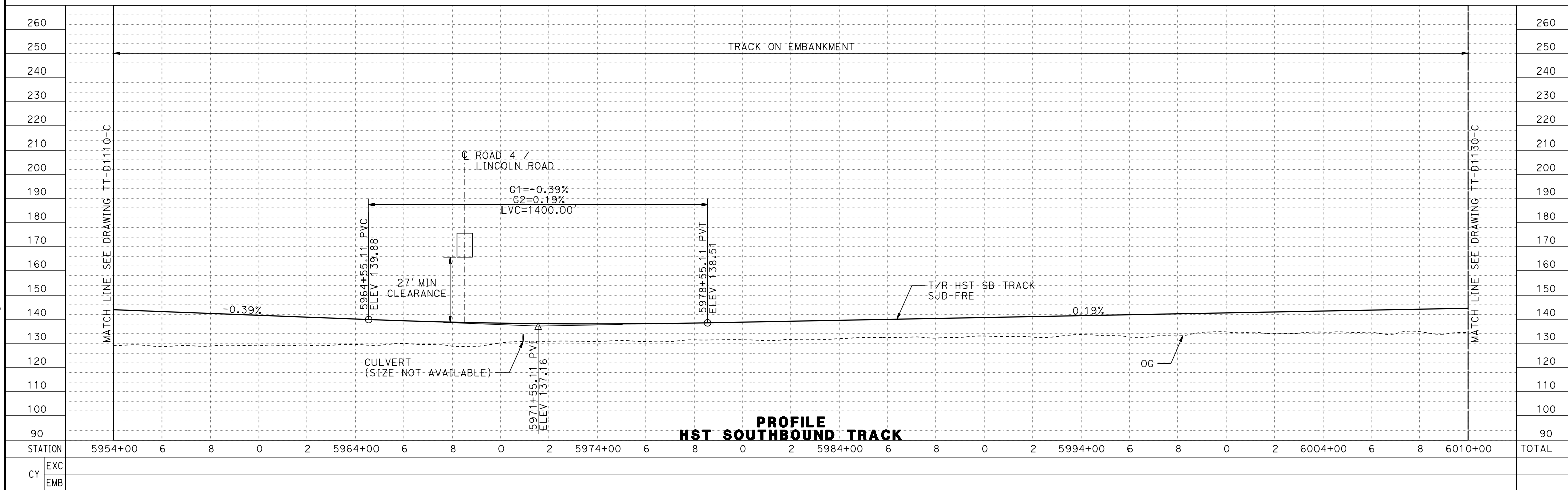
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1110-C
SCALE
AS SHOWN
SHEET NO.

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 8:13 MF-TT-D1120-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

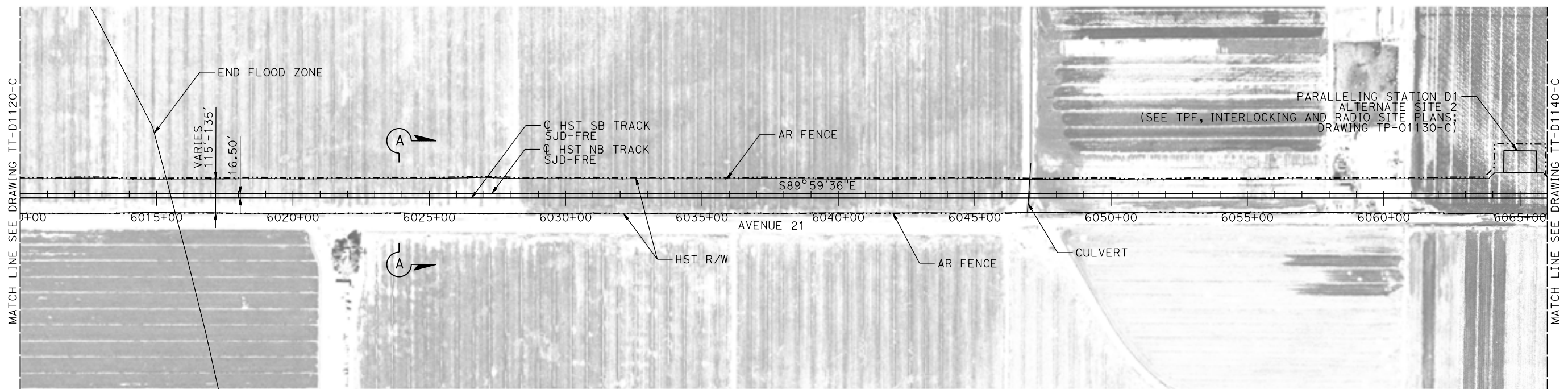
NOT FOR
CONSTRUCTION



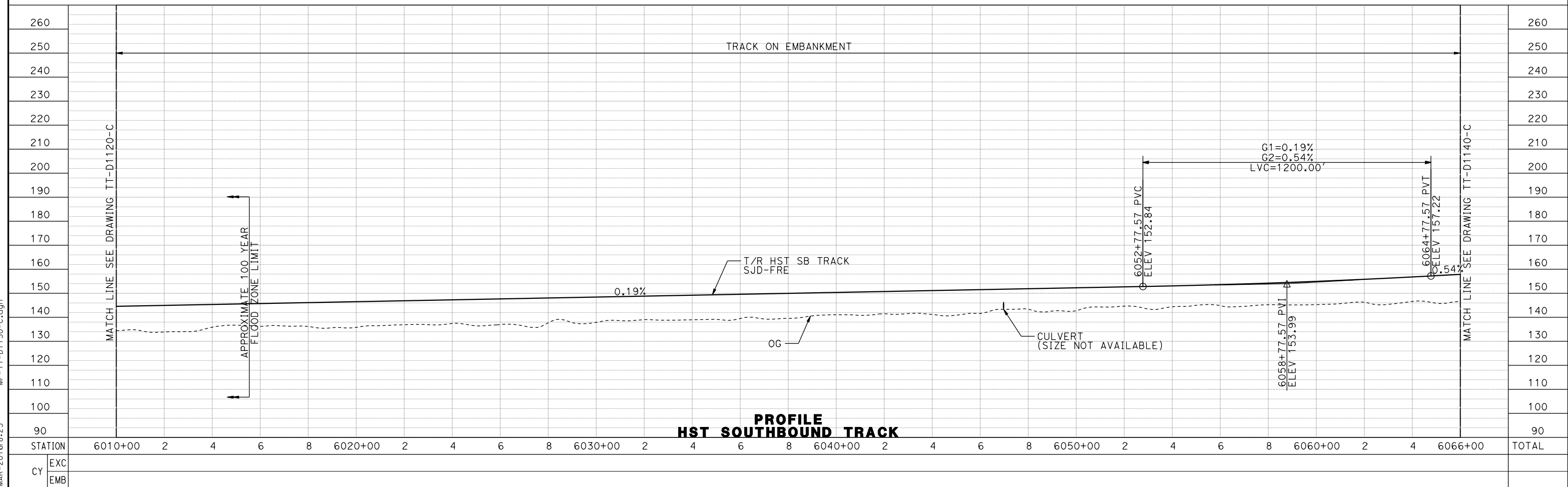
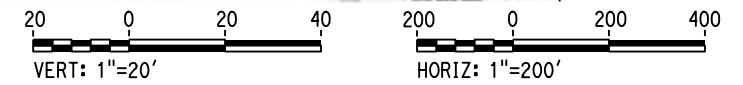
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5954+00 TO 6010+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6010+00 TO 6066+00

CONTRACT NO.
HSR08-05

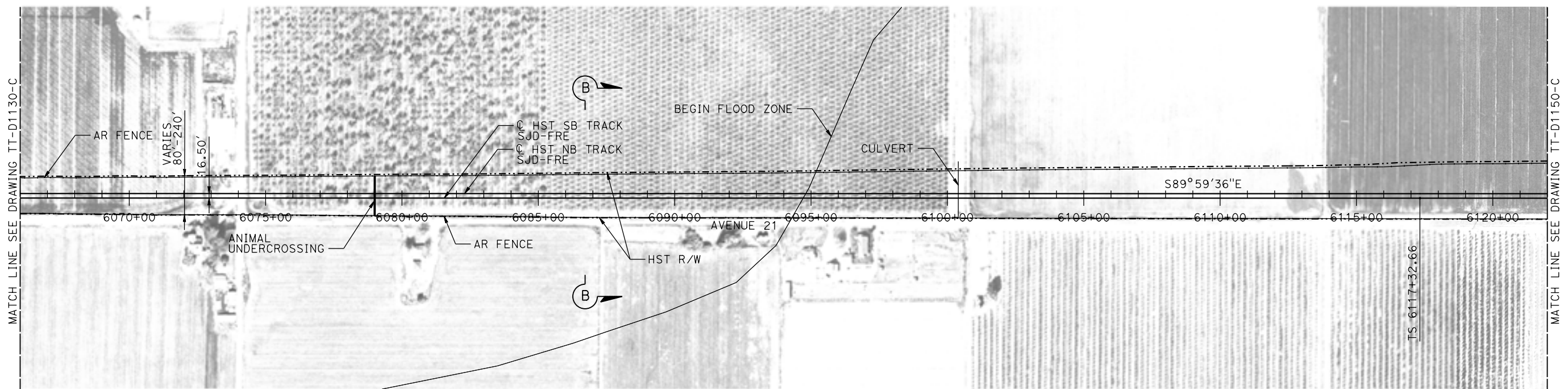
DRAWING NO.
TT-D1130-C

SCALE
AS SHOWN

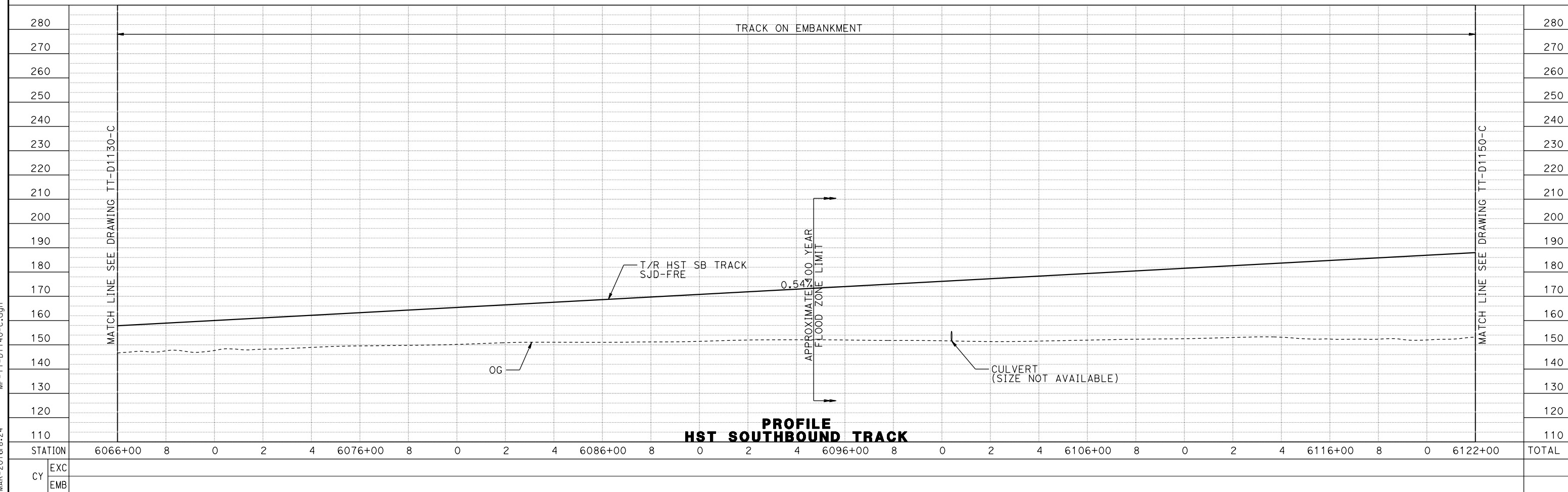
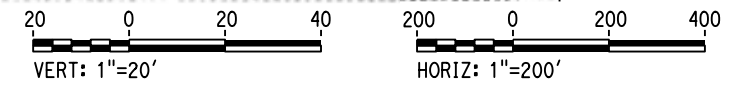
SHEET NO.

11-MAR-2016 8:23 MF-TT-D1130-C.dgn

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6066+00 TO 6122+00

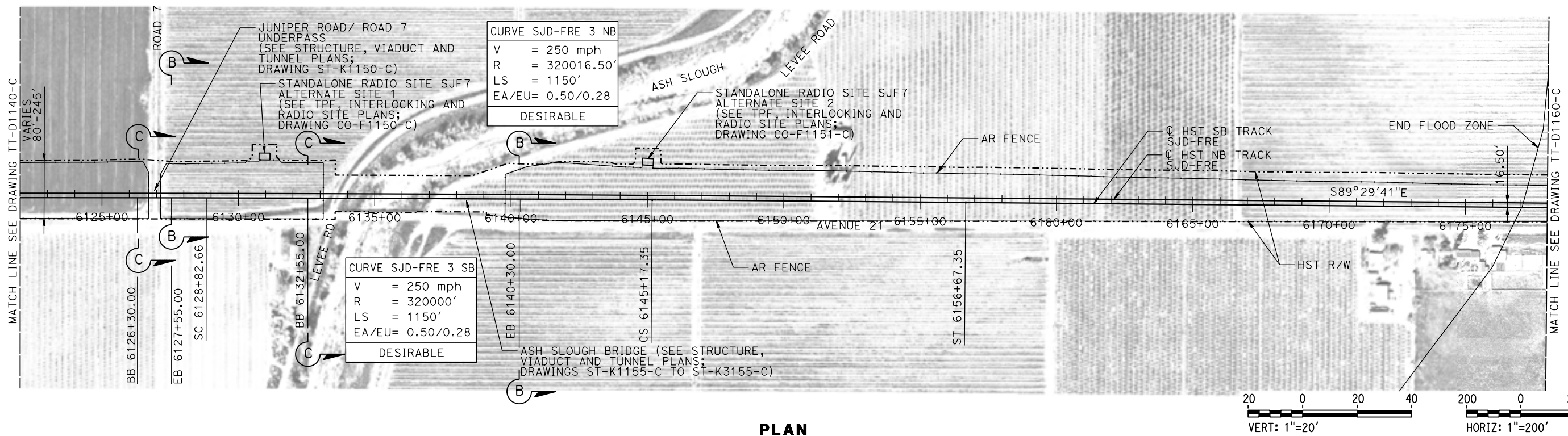
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1140-C

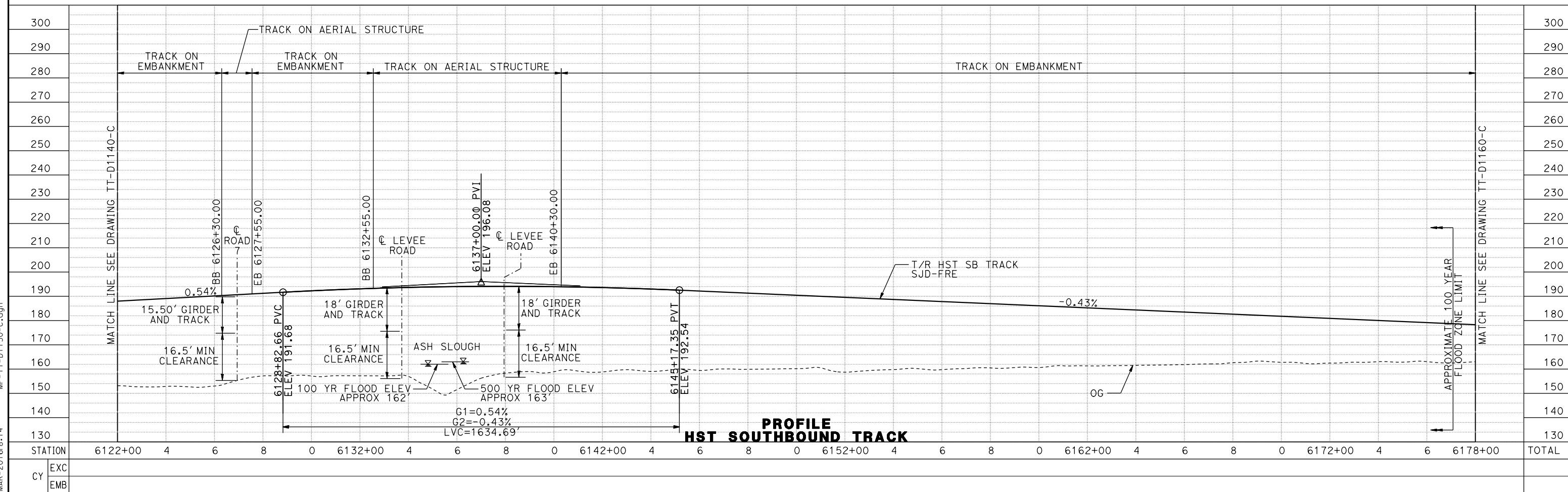
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 8:14 MF-TT-D1150-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6122+00 TO 6178+00

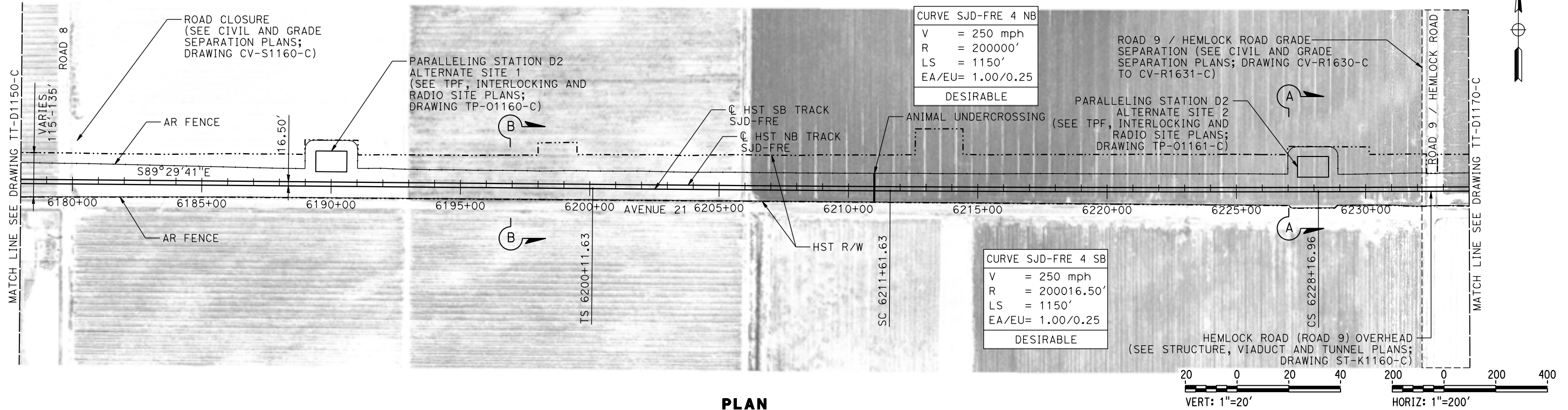
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1150-C

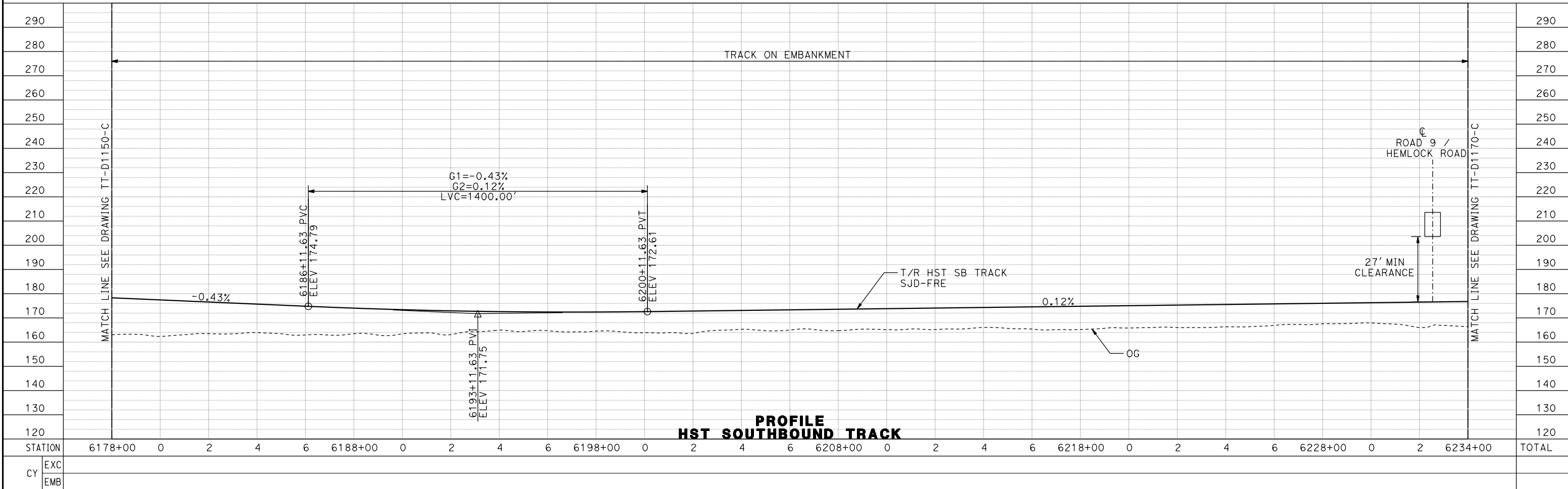
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

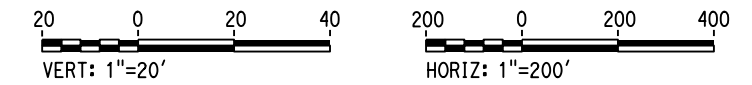
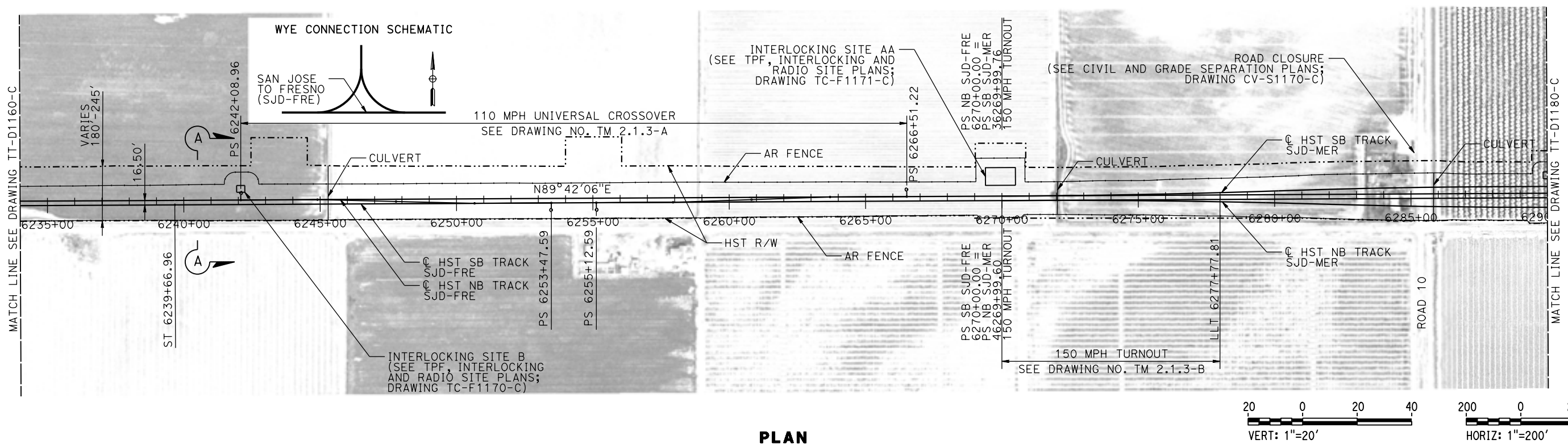
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1160-C

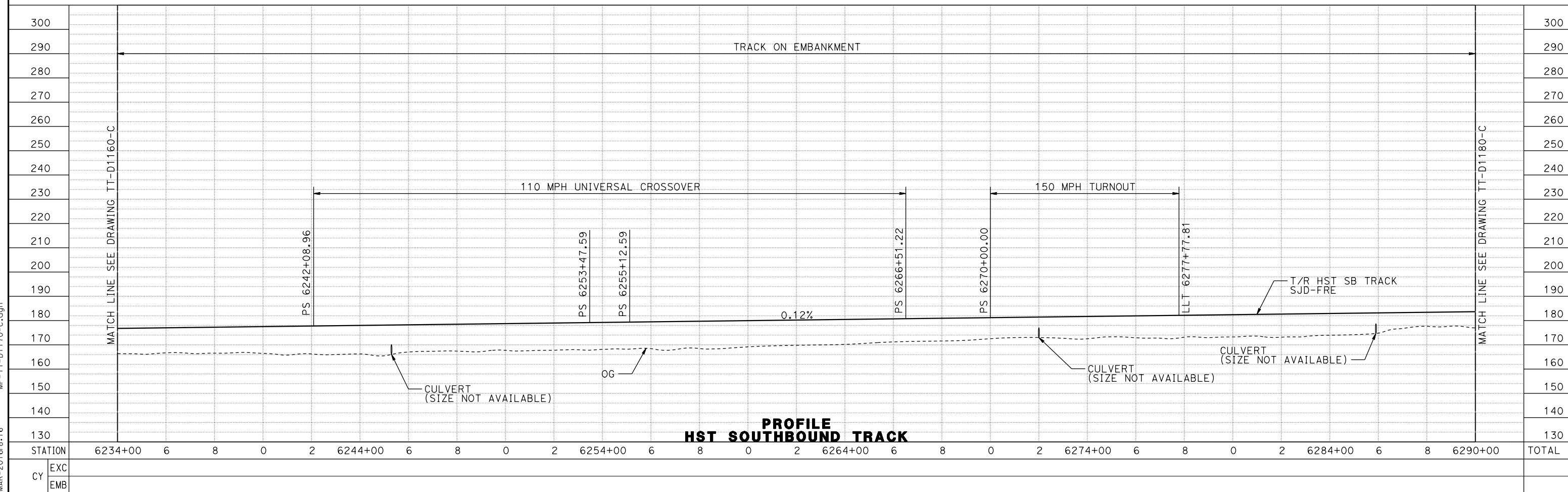
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

11-MAR-2016 8:16 MF-TT-D1170-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6234+00 TO 6290+00

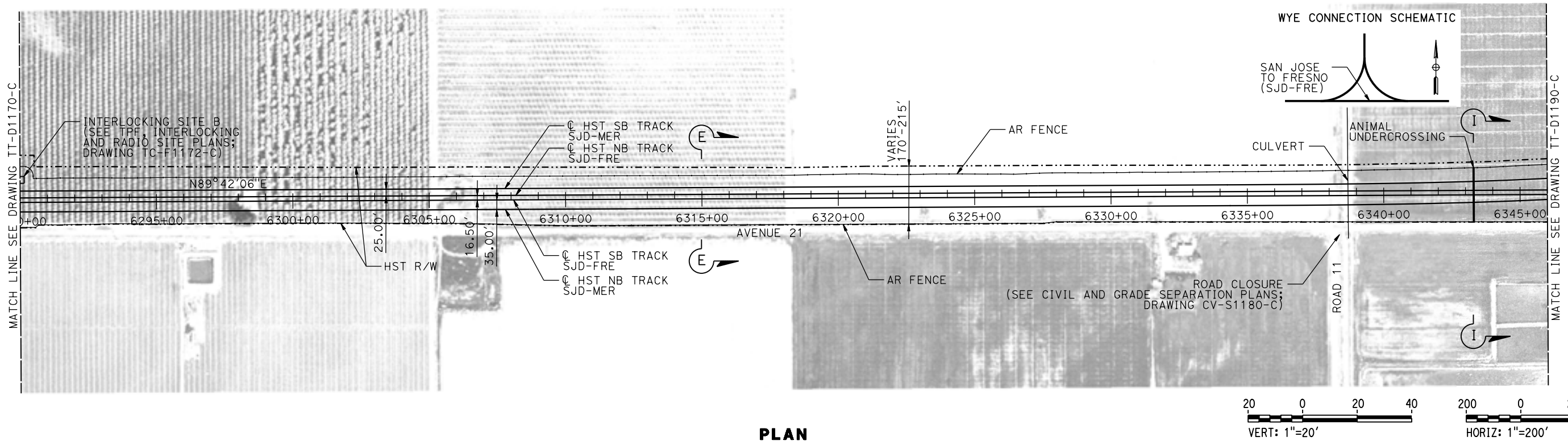
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1170-C

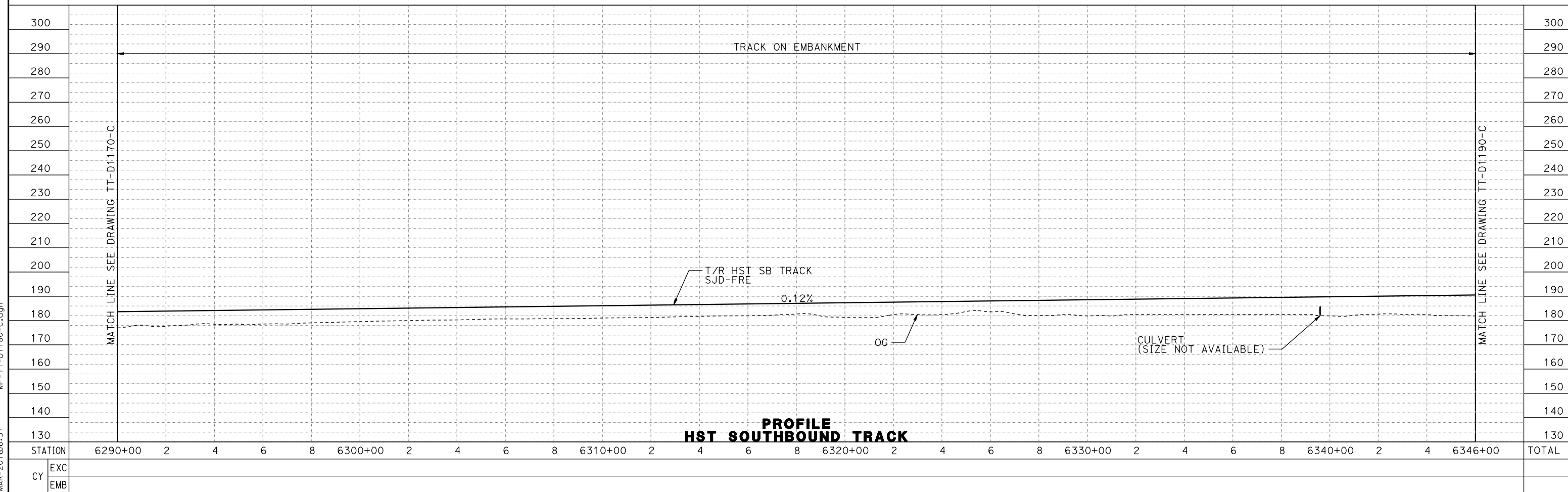
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

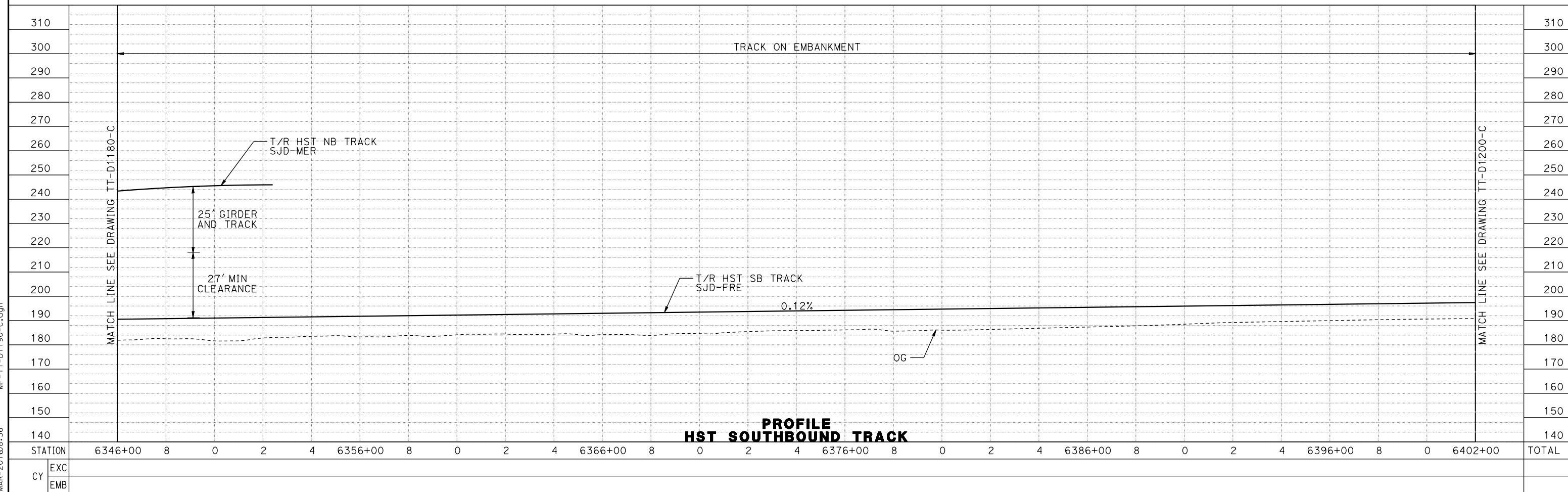
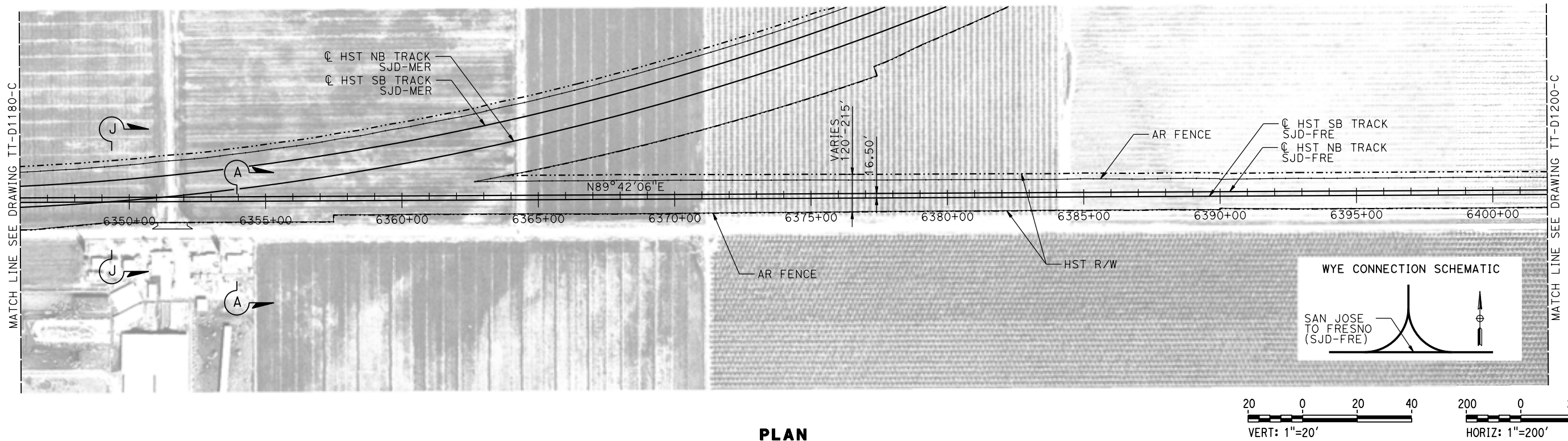


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6290+00 TO 6346+00

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

12-MAR-2016 06:57 MF-TT-D1180-C.dgn

MADERA COUNTY



09-MAR-2016 08:36 MF-TT-D1190-C.dgn

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

RECORD SET
15% DESIGN
SUBMITTAL

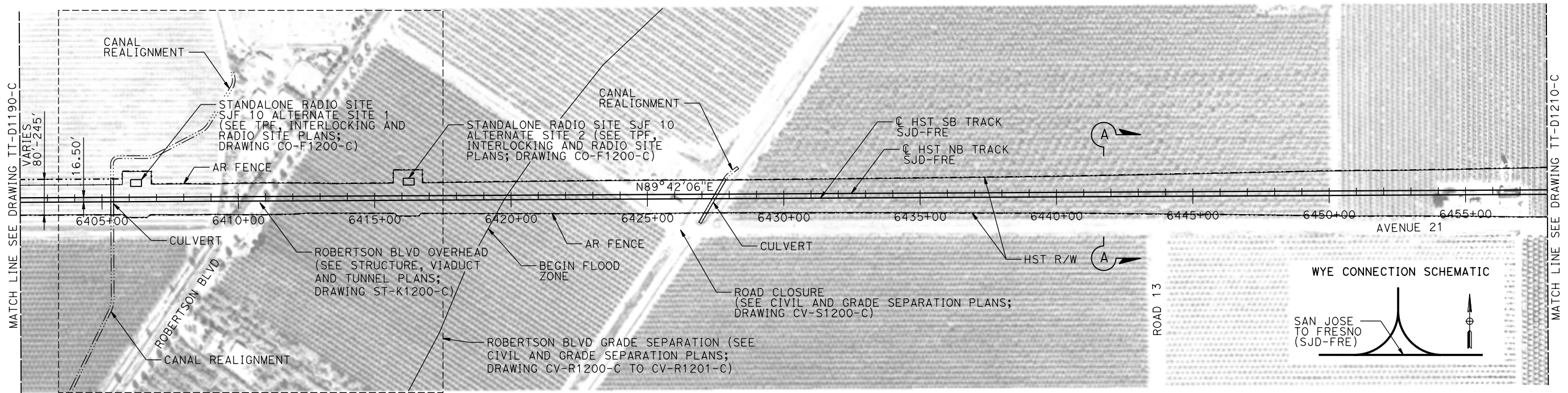
NOT FOR
CONSTRUCTION



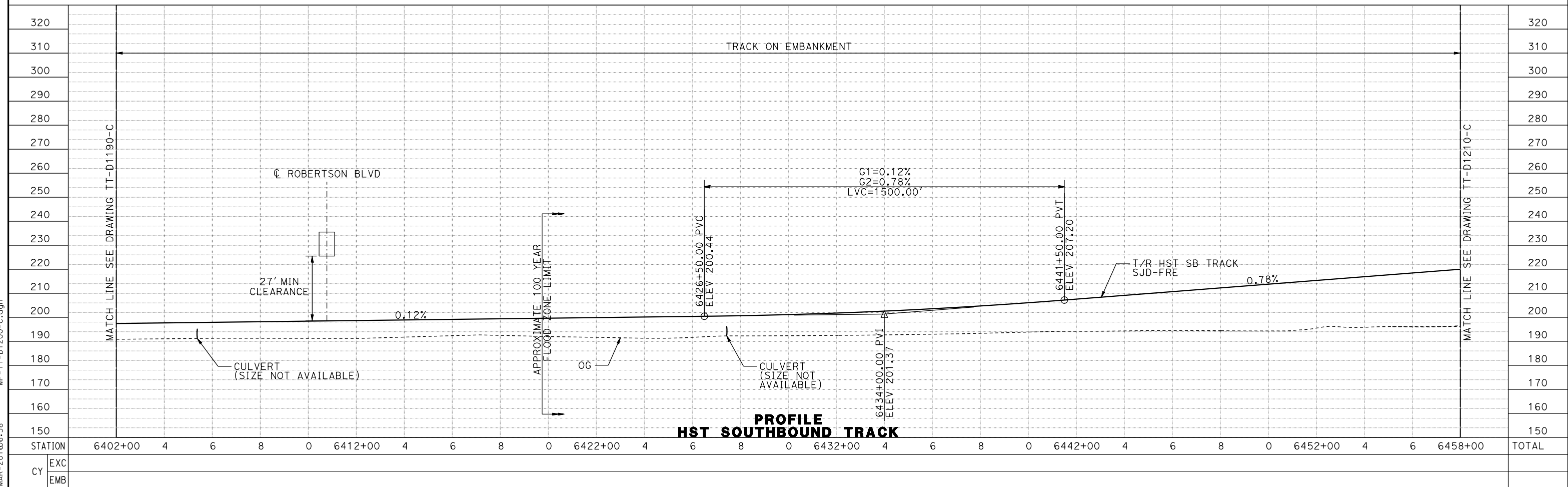
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6346+00 TO 6402+00

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

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

CONTRACT NO.
HSR08-05

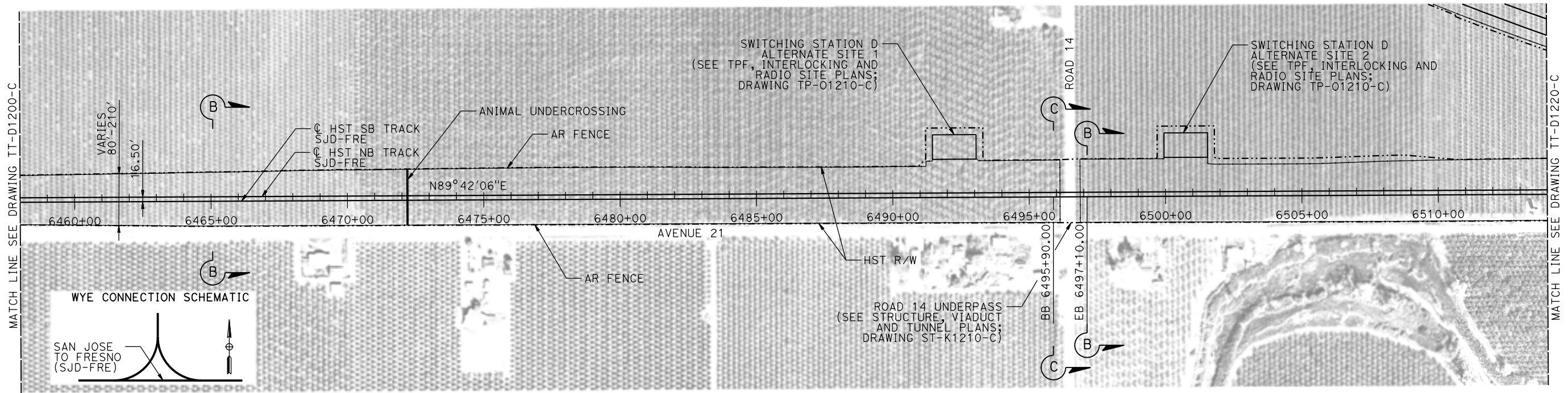
DRAWING NO.
TT-D1200-C

SCALE
AS SHOWN

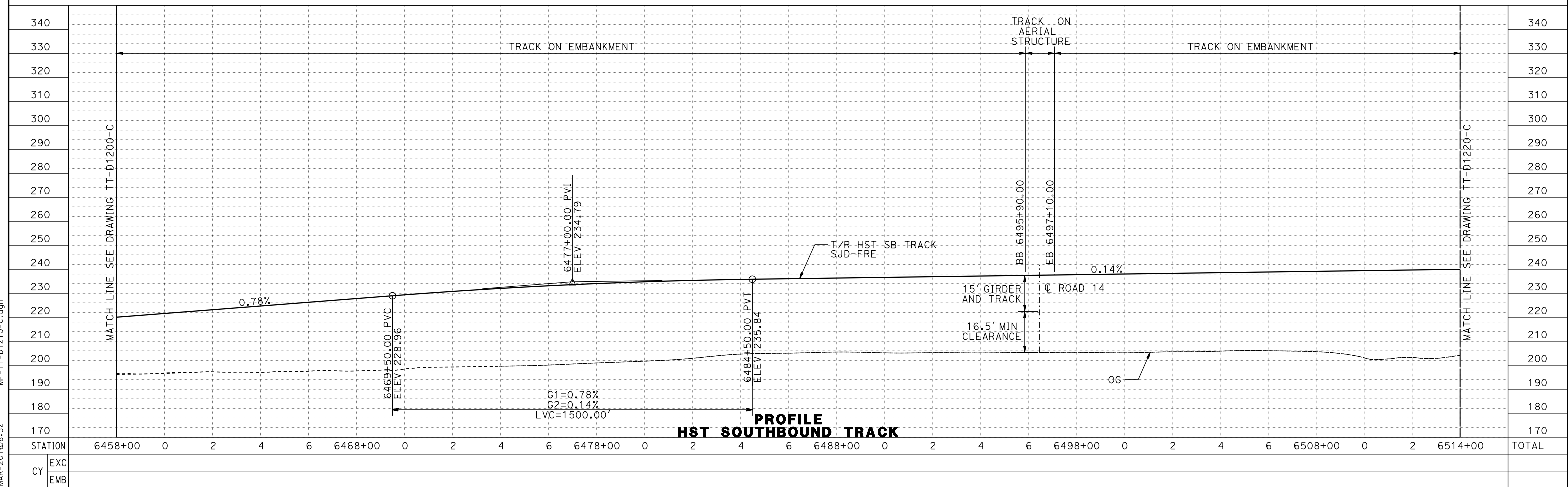
SHEET NO.

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

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

07-MAR-2016 08:32 MF-TT-D1210-C.dgn

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6458+00 TO 6514+00

CONTRACT NO.
HSR08-05

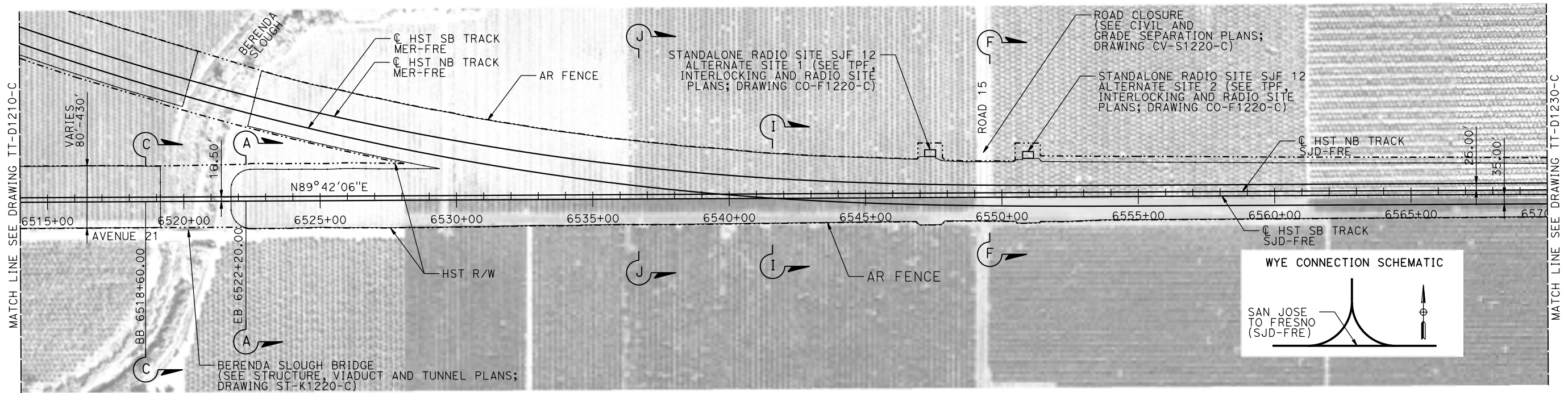
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TT-D1210-C

SCALE
AS SHOWN

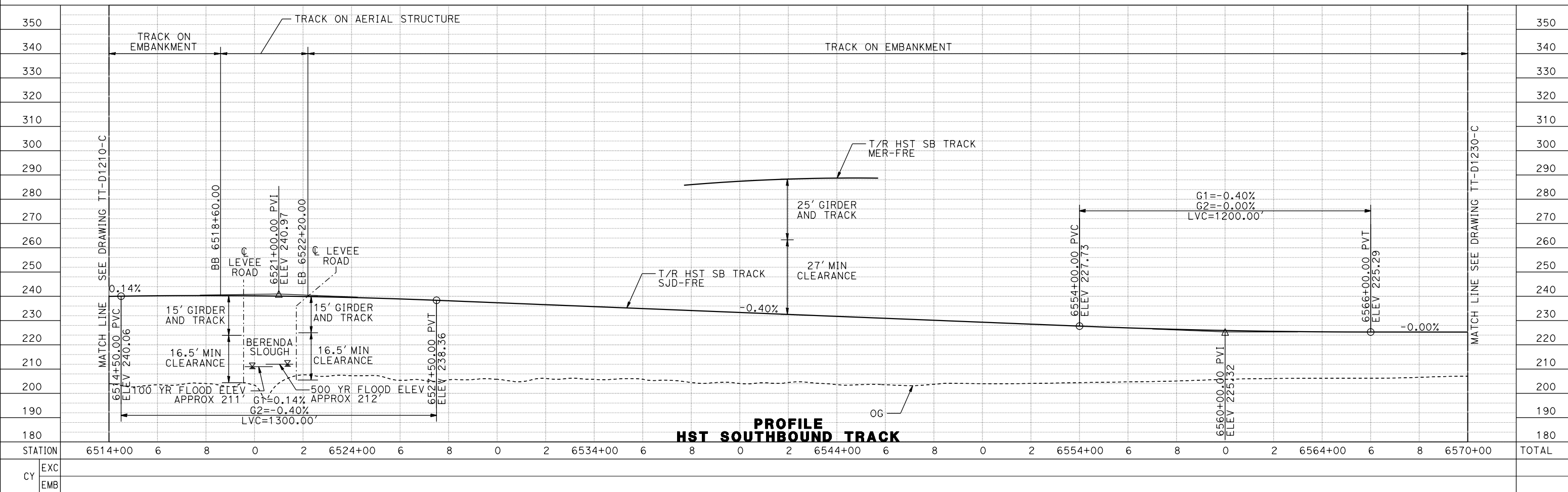
SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6514+00 TO 6570+00

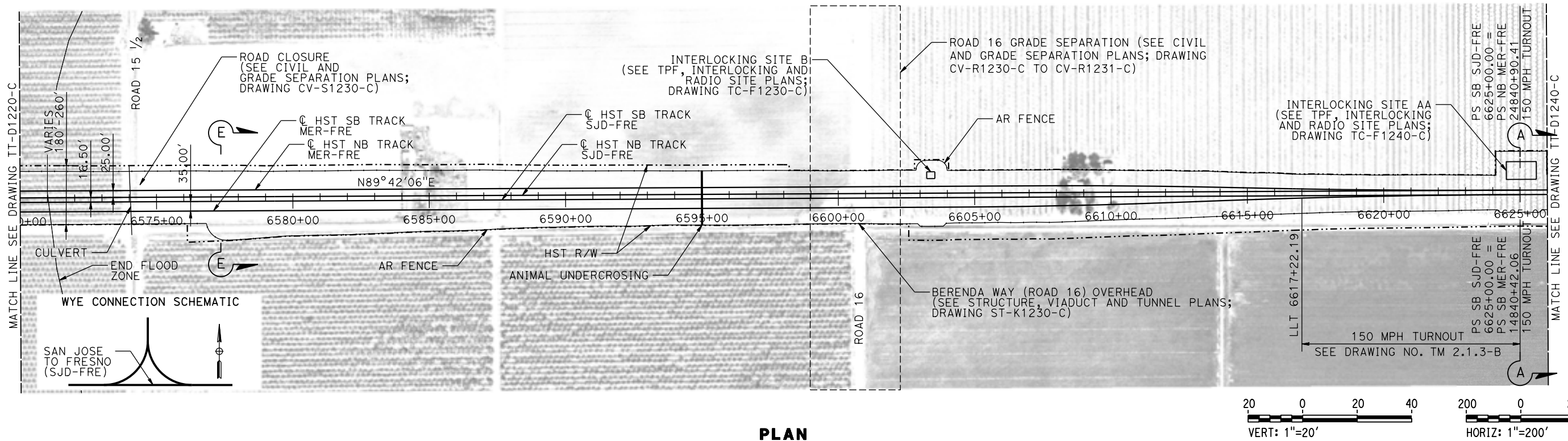
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HSR08-05

DRAWING NO.
TT-D1220-C

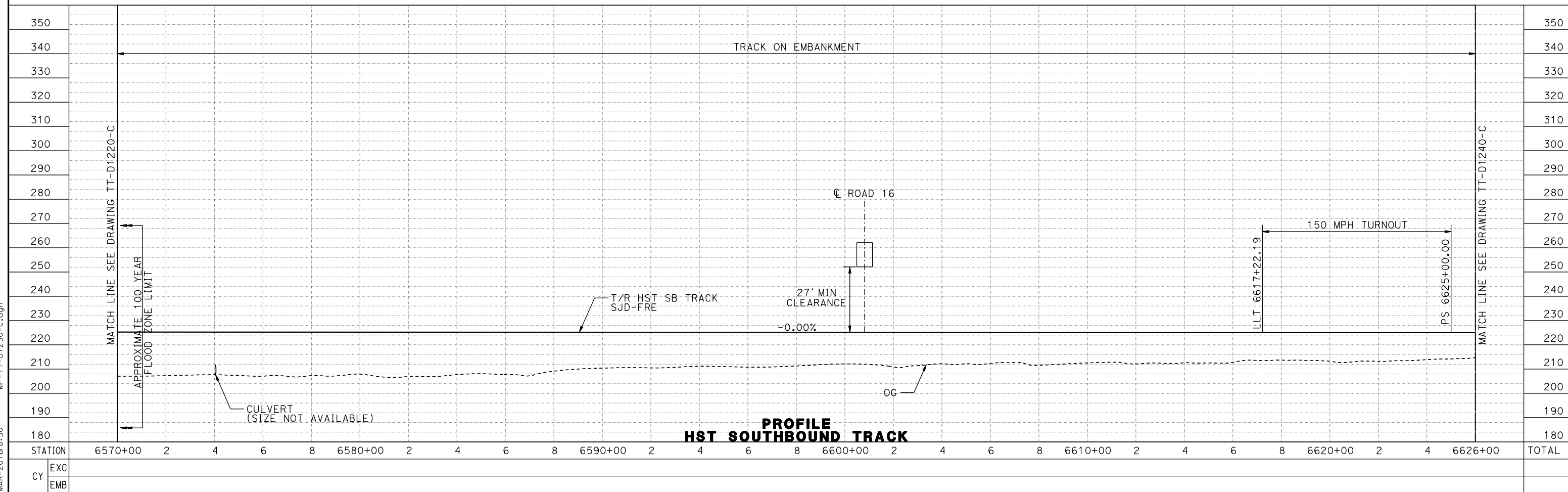
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



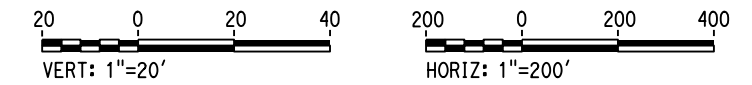
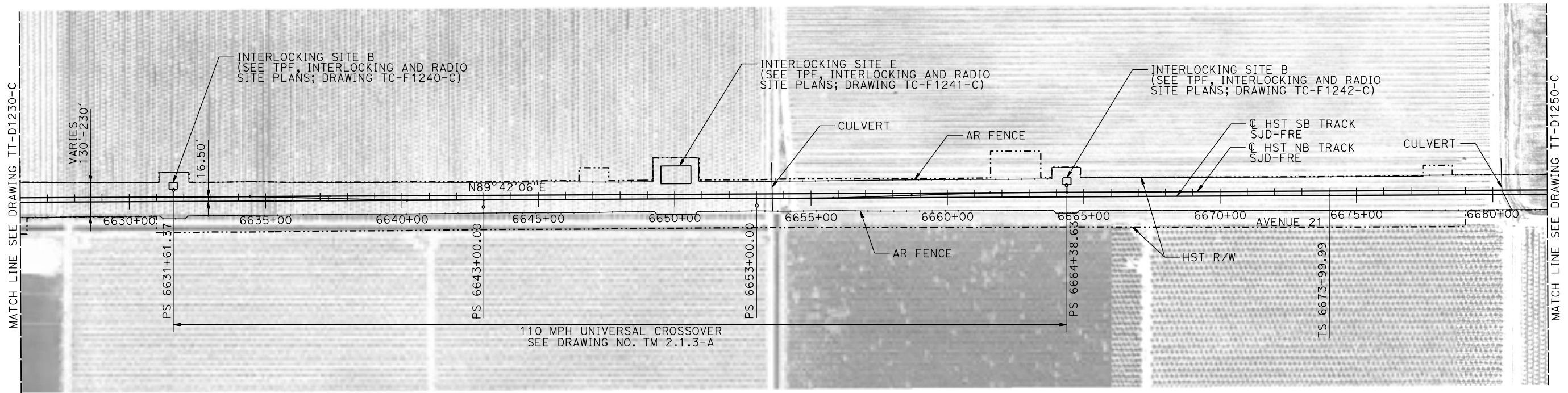
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

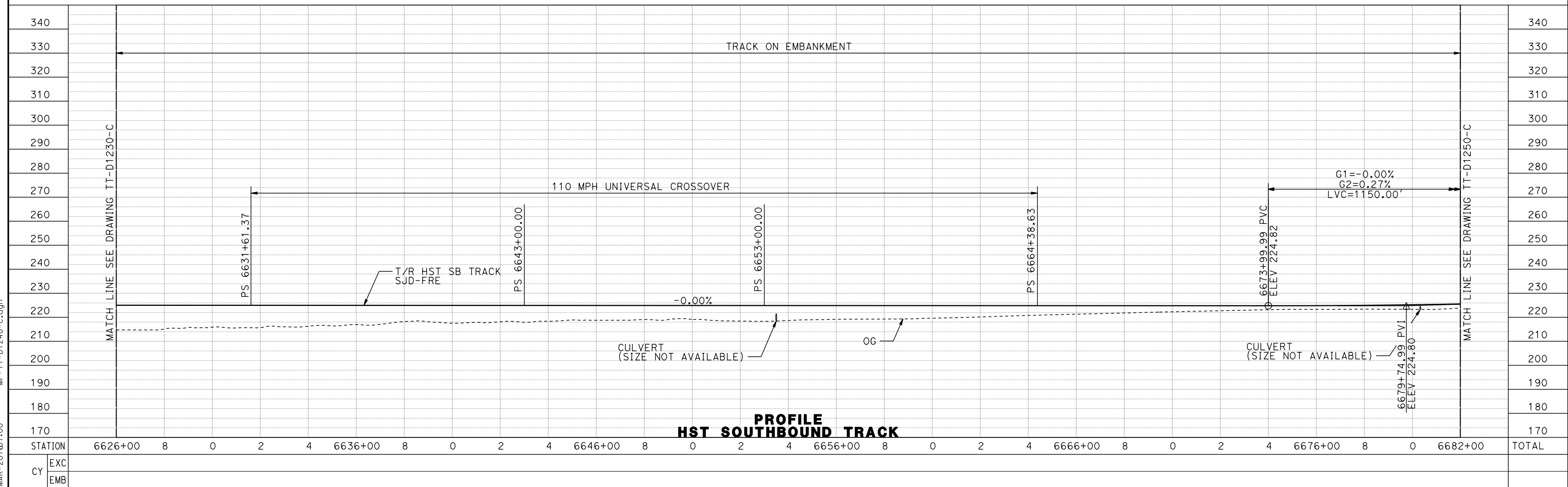
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1230-C
SCALE
AS SHOWN
SHEET NO.

11-MAR-2016 8:30 MF-TT-D1230-C.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 10:17:00 MF-TT-D1240-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6626+00 TO 6682+00

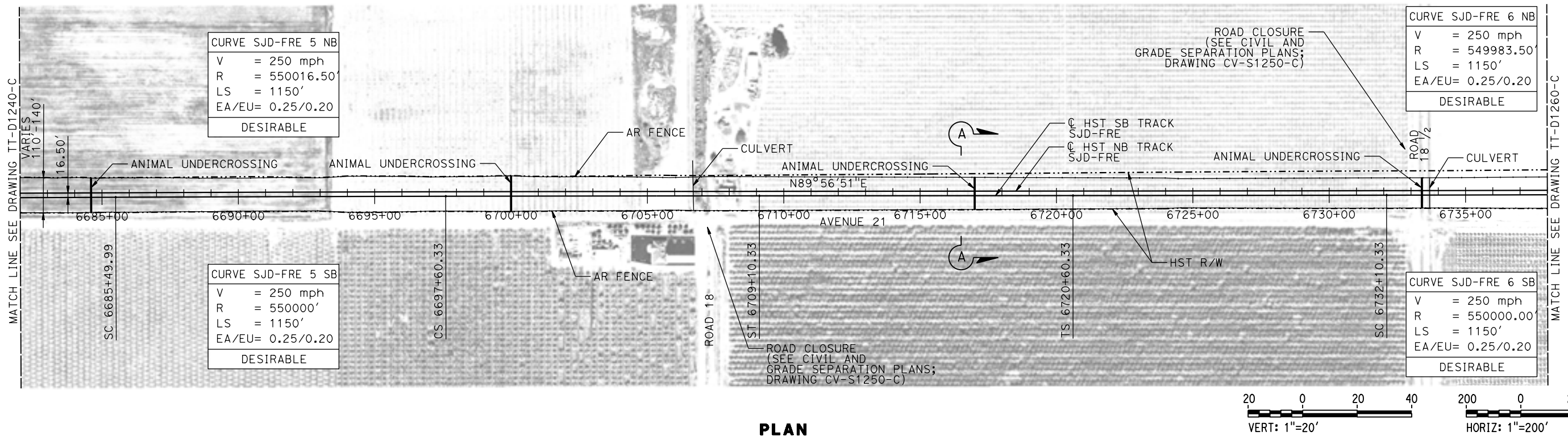
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HSR08-05

DRAWING NO.
TT-D1240-C

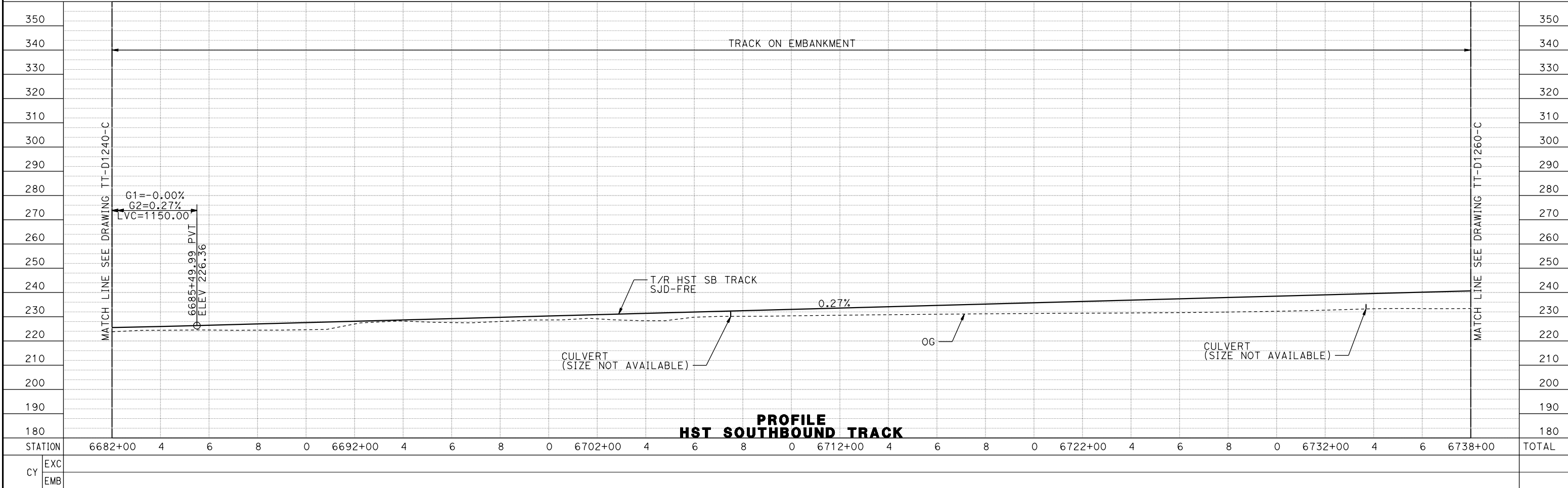
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6682+00 TO 6738+00

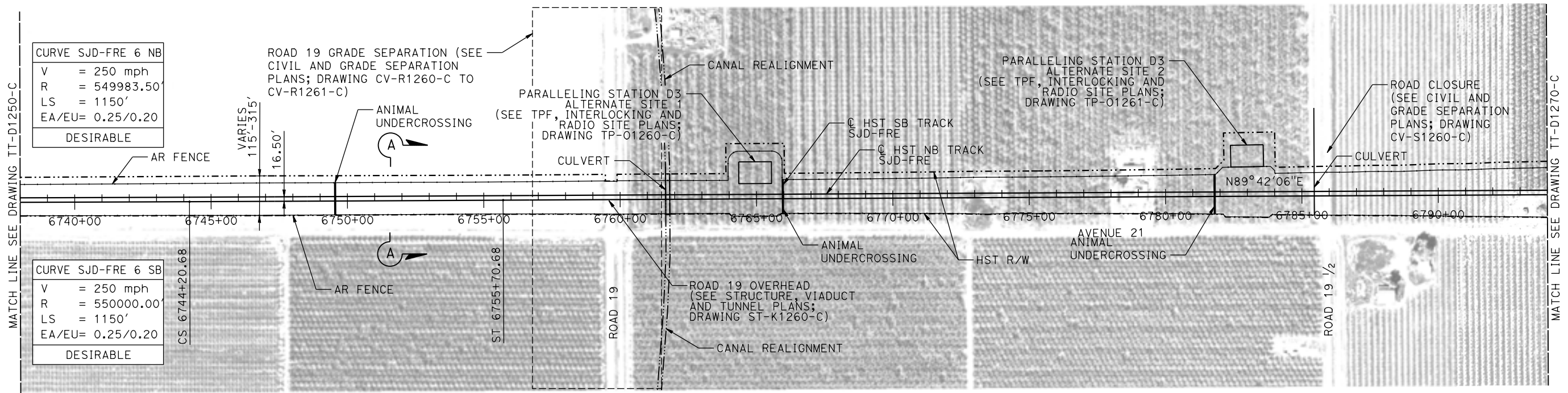
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1250-C

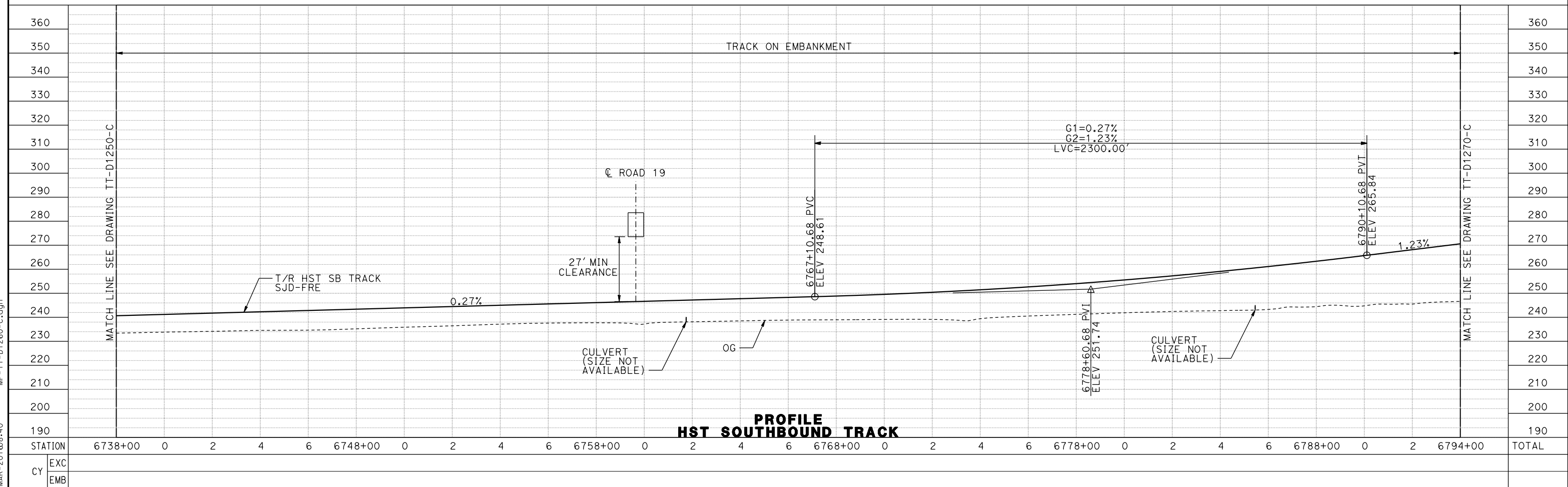
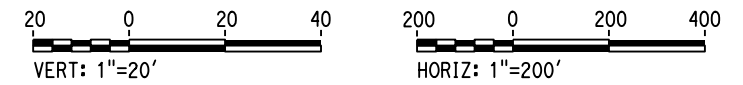
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 6738+00 TO 6794+00

CONTRACT NO.
HSR08-05

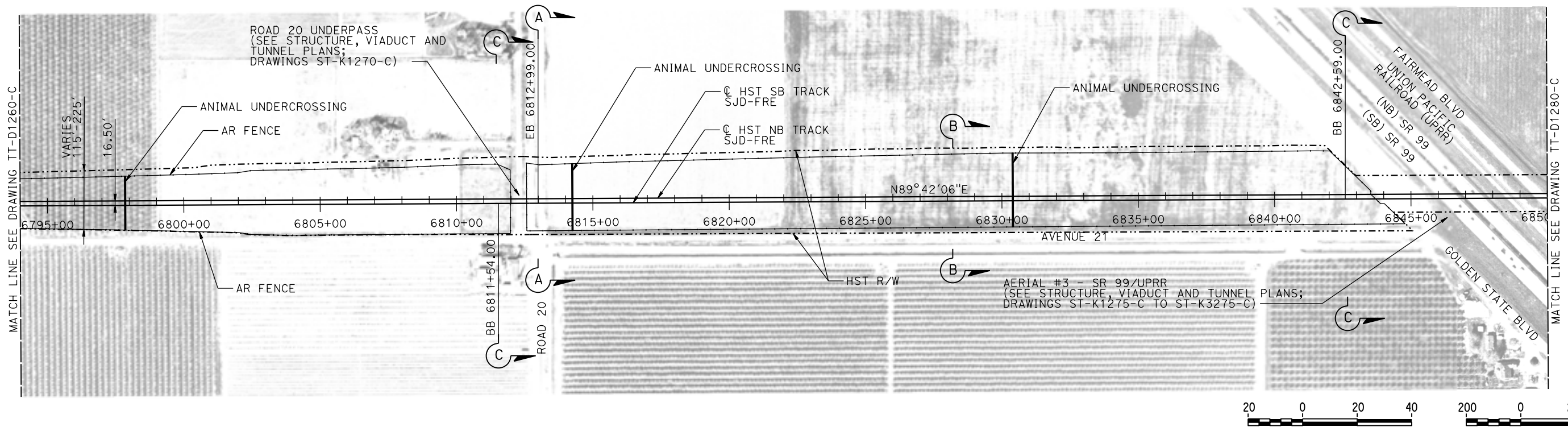
DRAWING NO.
TT-D1260-C

SCALE
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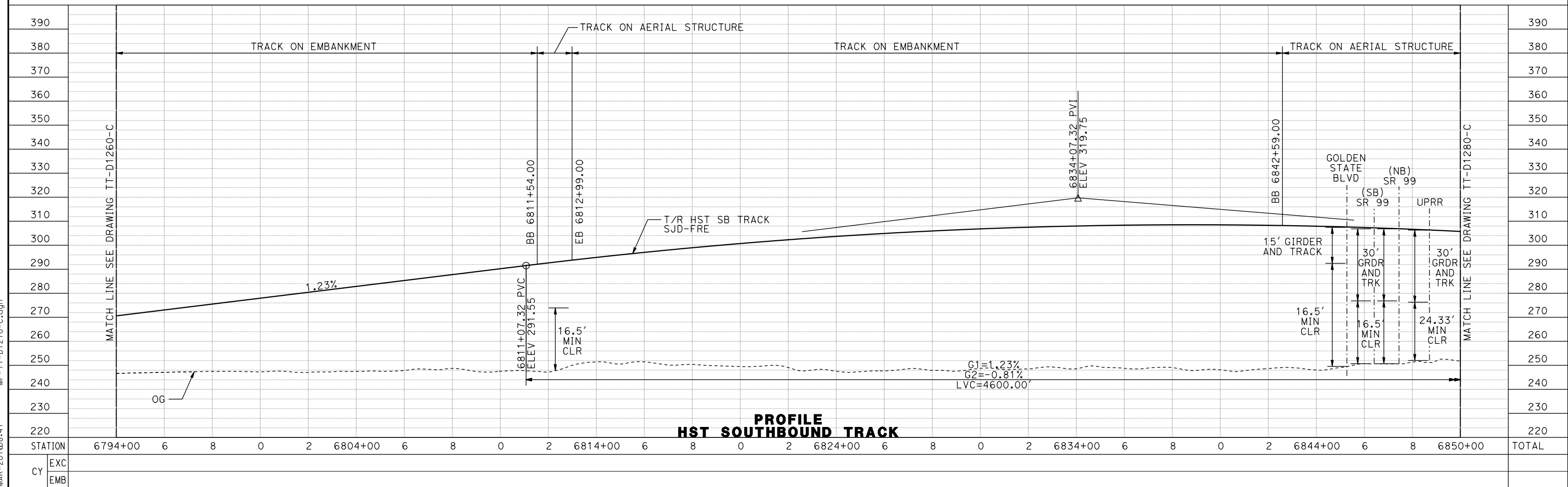
SHEET NO.

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

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

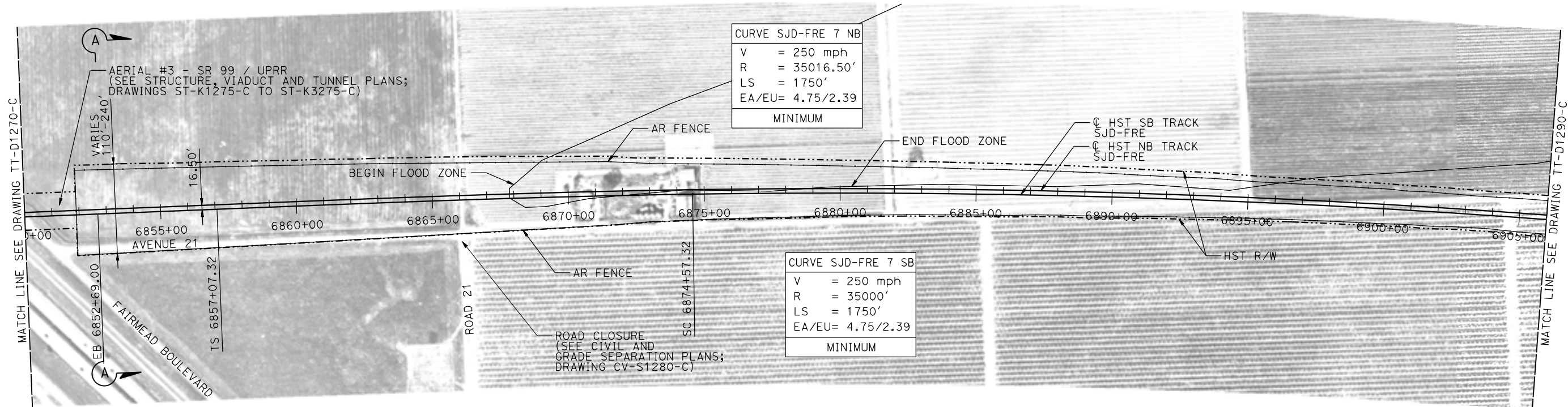


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6794+00 TO 6850+00

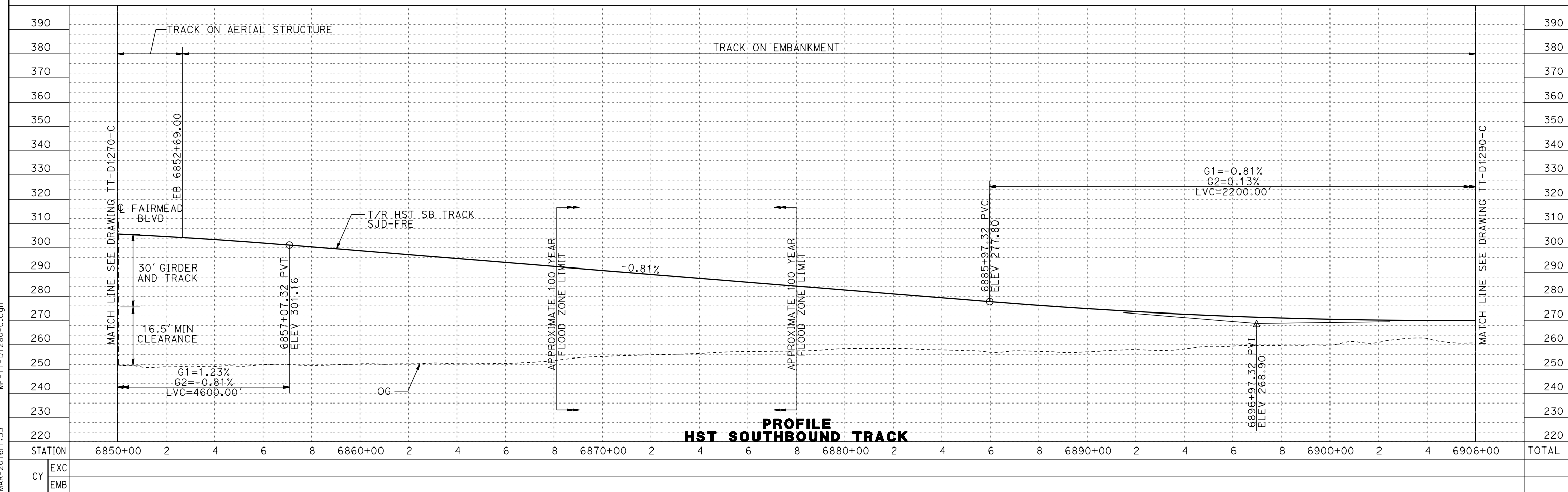
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1270-C
SCALE
AS SHOWN
SHEET NO.

09-MAR-2016 08:41 MF-TT-D1270-C.dgn

MADERA COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6850+00 TO 6906+00

CONTRACT NO.
HSR08-05

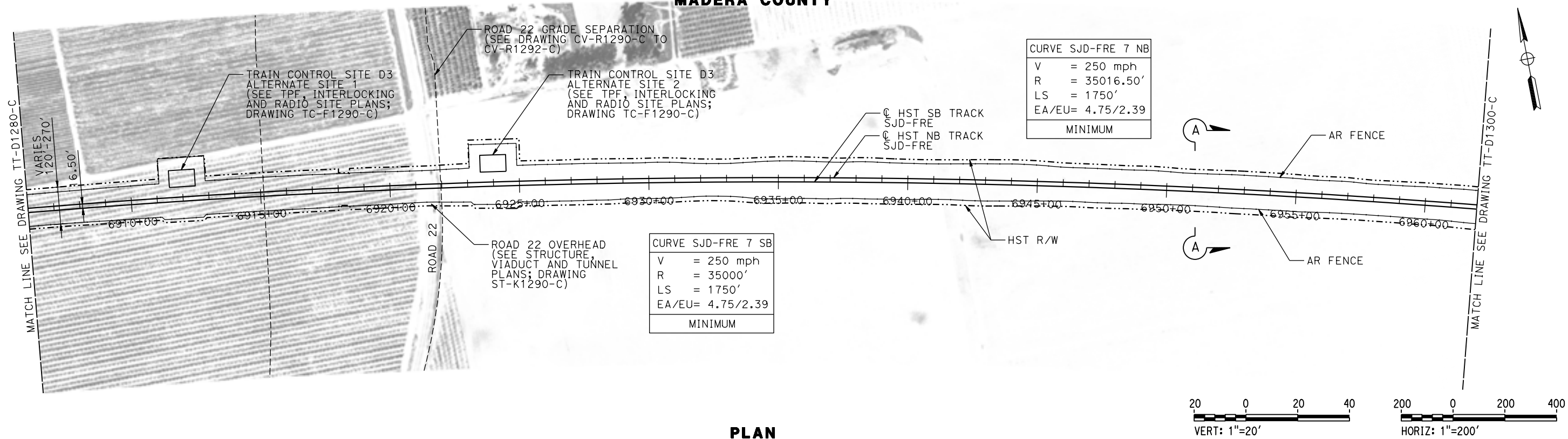
DRAWING NO.
TT-D1280-C

SCALE
AS SHOWN

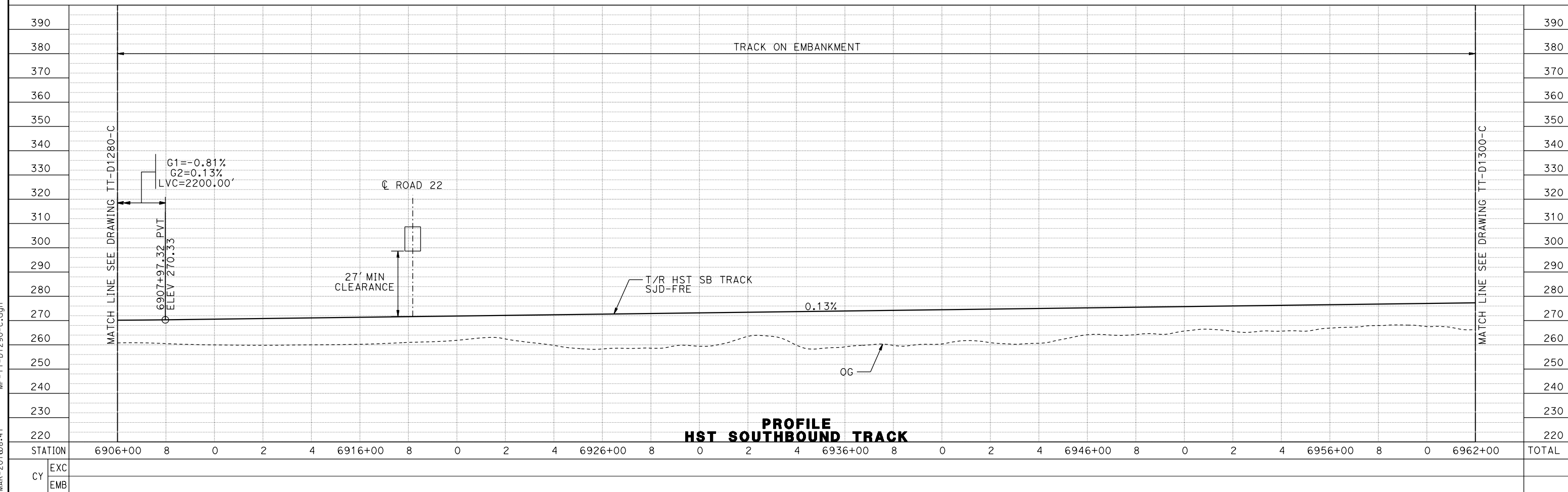
SHEET NO.

17-MAR-2016 1:33 MF-TT-D1280-C.dgn

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

07-MAR-2016 08:41 MF-TT-D1290-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6906+00 TO 6962+00

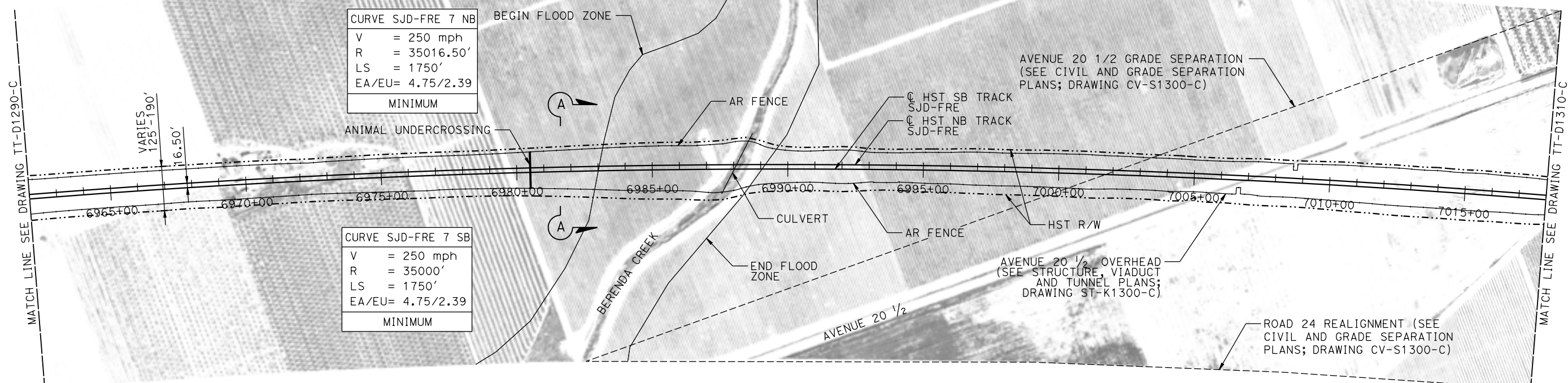
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1290-C

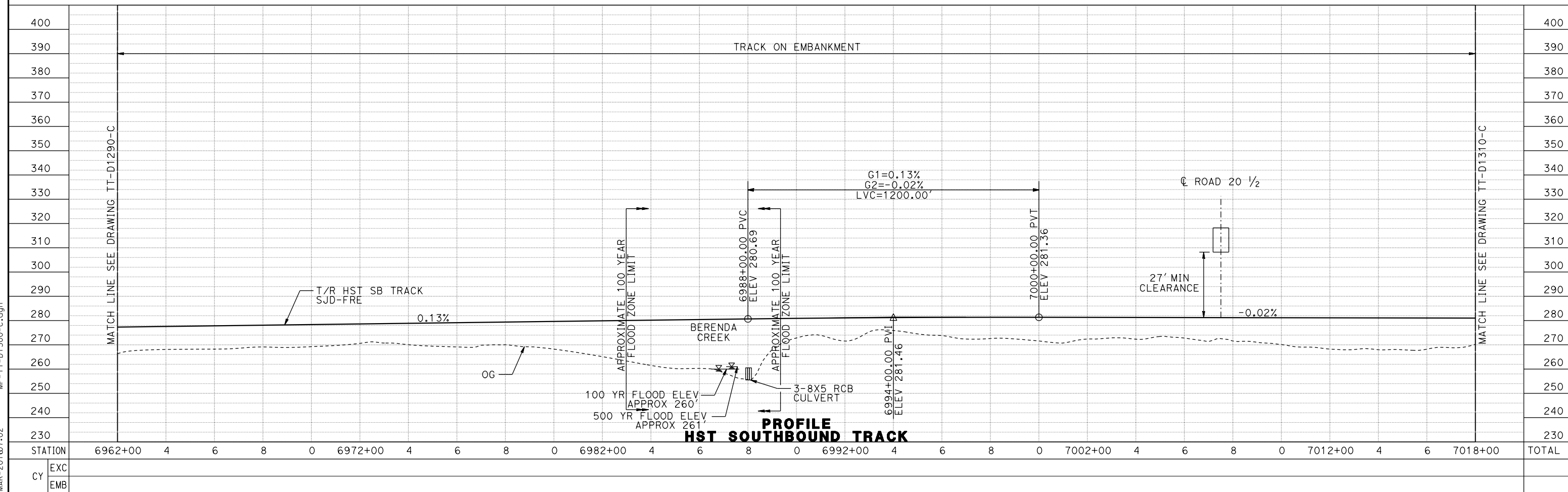
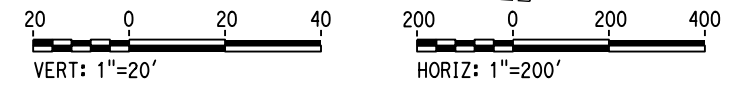
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 10:17:02 MF-TT-D1300-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6962+00 TO 7018+00

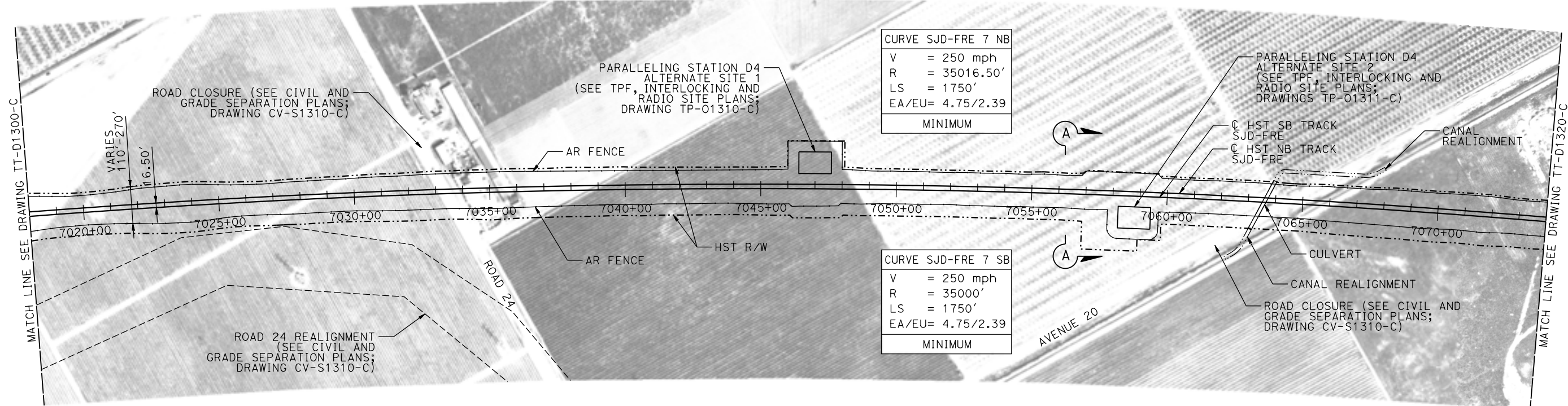
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1300-C

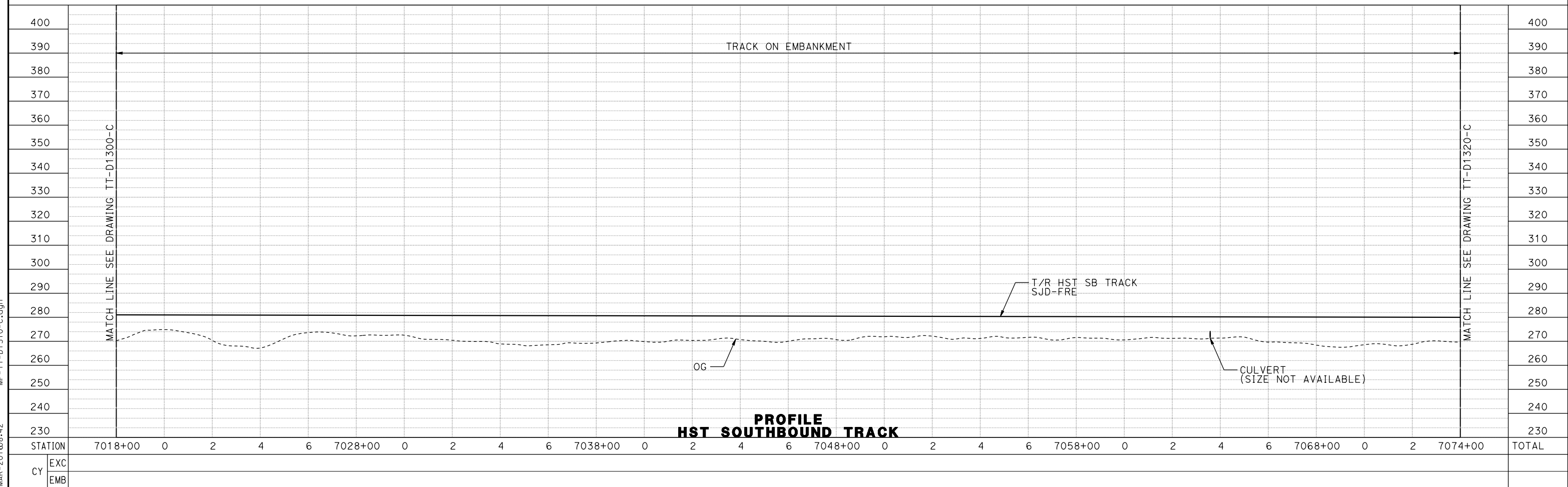
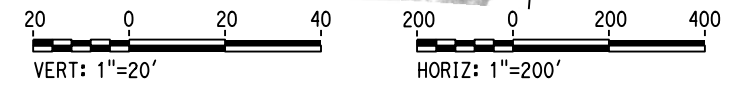
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

07-MAR-2016 08:42 MF-TT-D1310-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

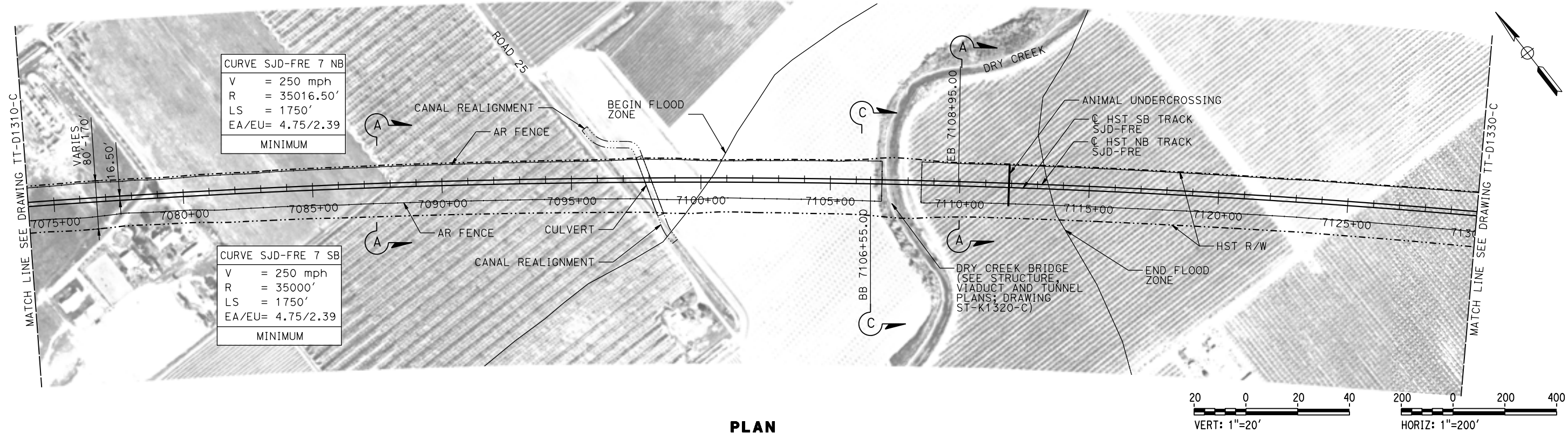


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

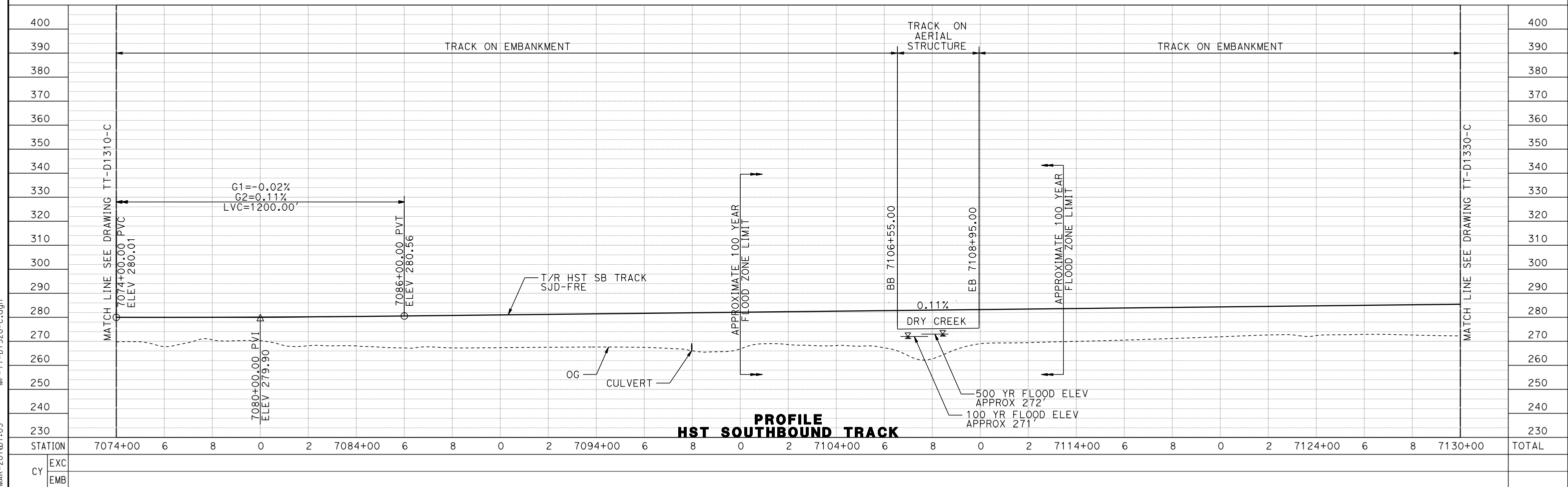
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7018+00 TO 7074+00

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

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

12-MAR-2016 07:03 MF-TT-D1320-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7074+00 TO 7130+00

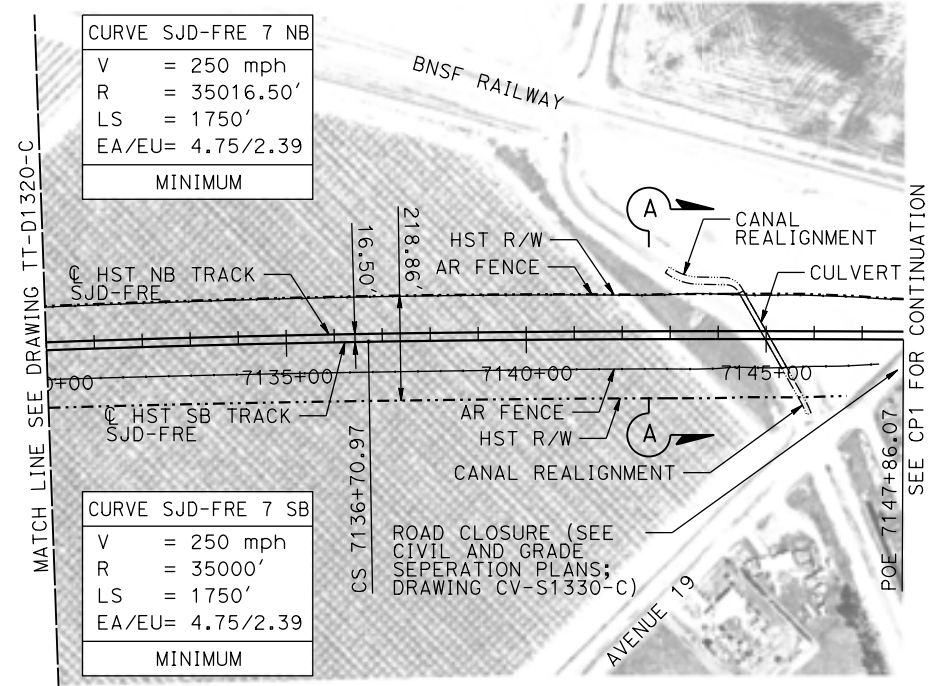
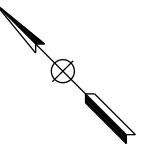
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1320-C

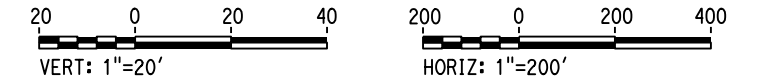
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



PLAN



STATION	7130+00	2	4	6	8	7140+00	2	4	6	8	TOTAL
EXC											
EMB											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 SJD-FRE STA 7130+00 TO 7147+86.07

CONTRACT NO.
HSR08-05

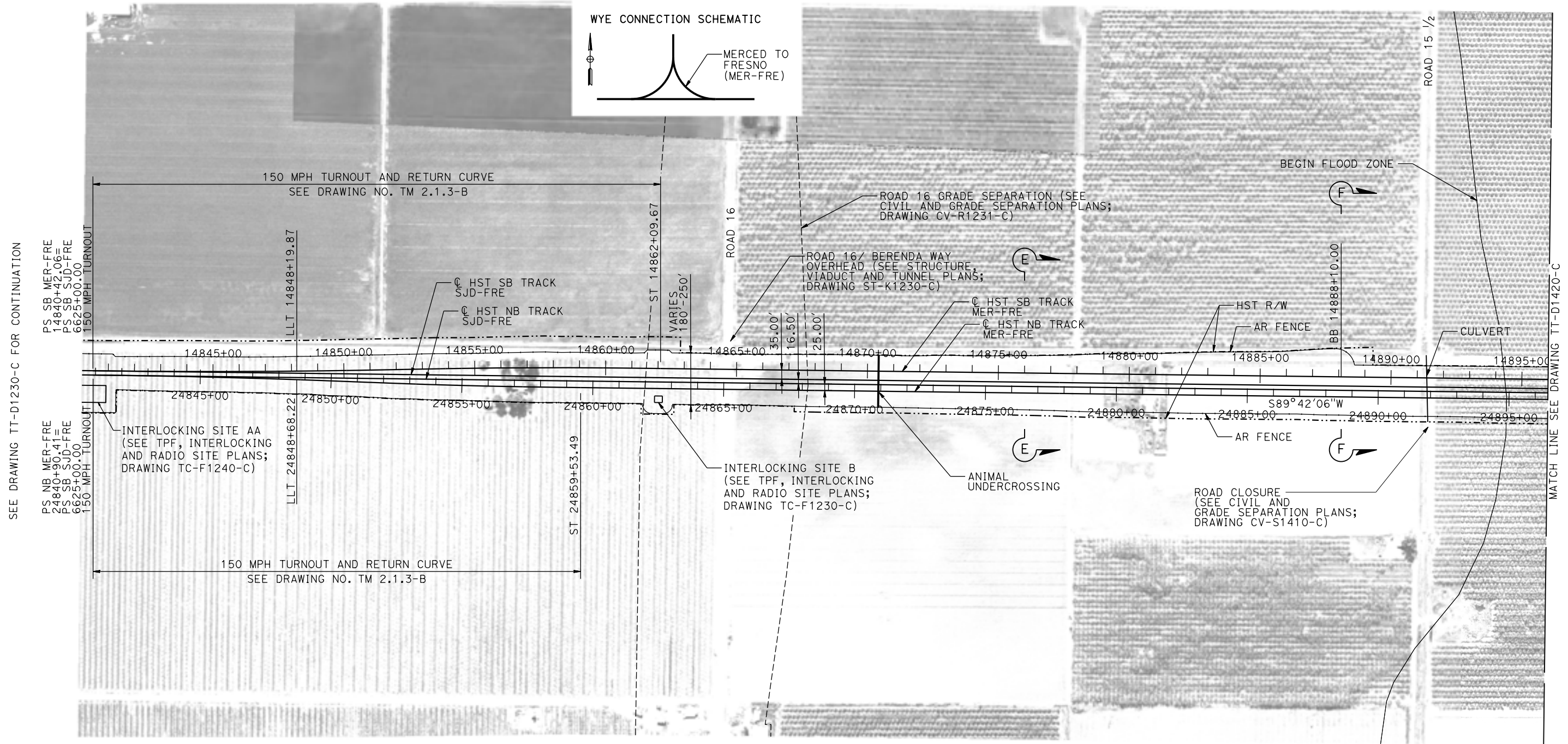
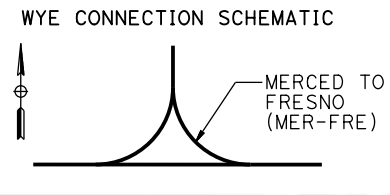
DRAWING NO.
TT-D1330-C

SCALE
AS SHOWN

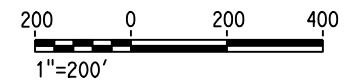
SHEET NO.

07-MAR-2016 08:43 MF-TT-D1330-C.dgn

MADERA COUNTY



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 14840+00 TO 14896+00

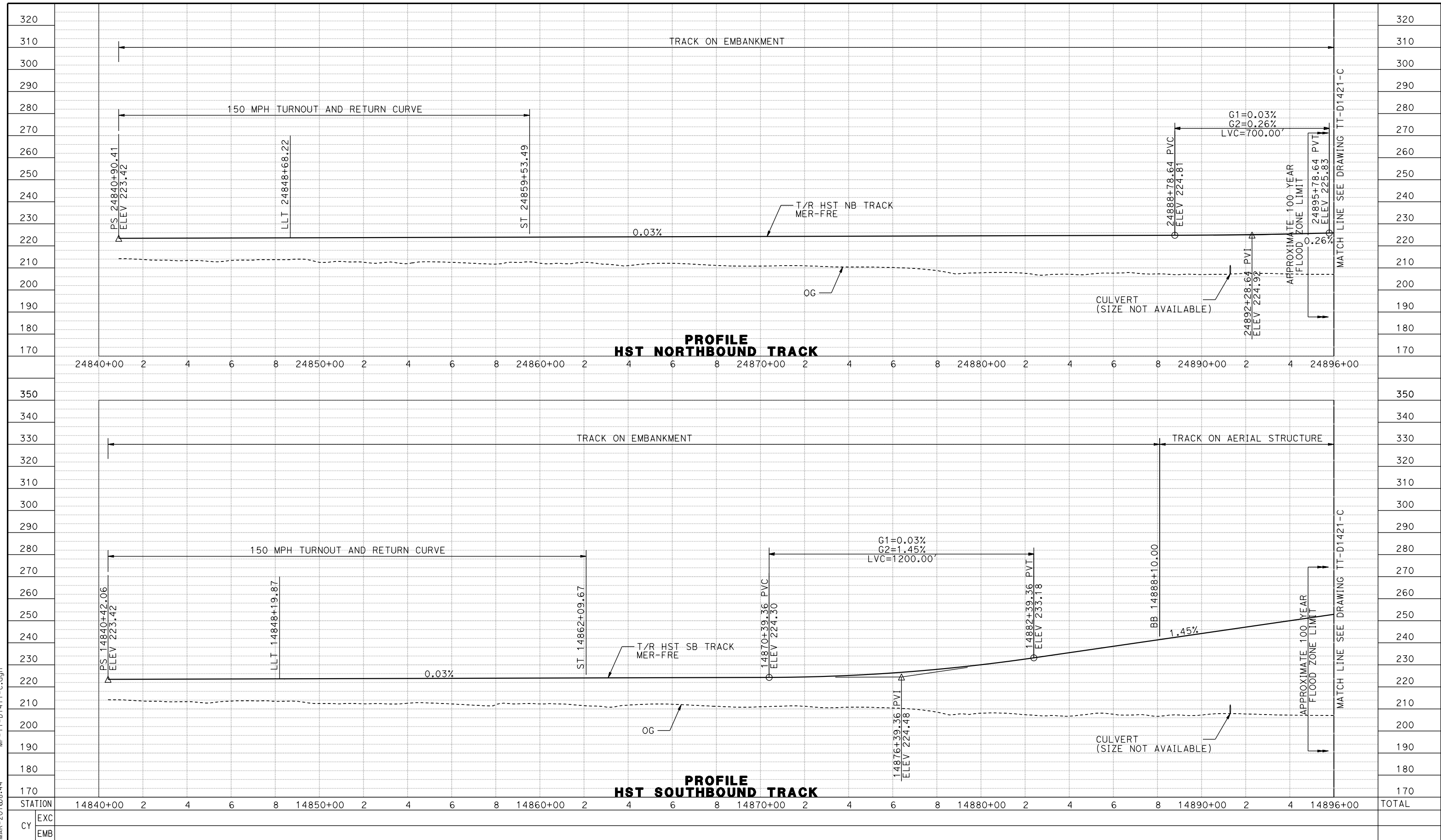
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1410-C

SCALE
AS SHOWN

SHEET NO.

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
E. CASTELI

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 14840+00 TO 14896+00

CONTRACT NO.
HSR08-05

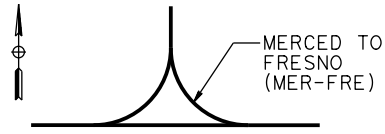
DRAWING NO.
TT-D1411-C

SCALE
AS SHOWN

SHEET NO.

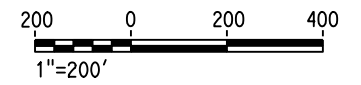
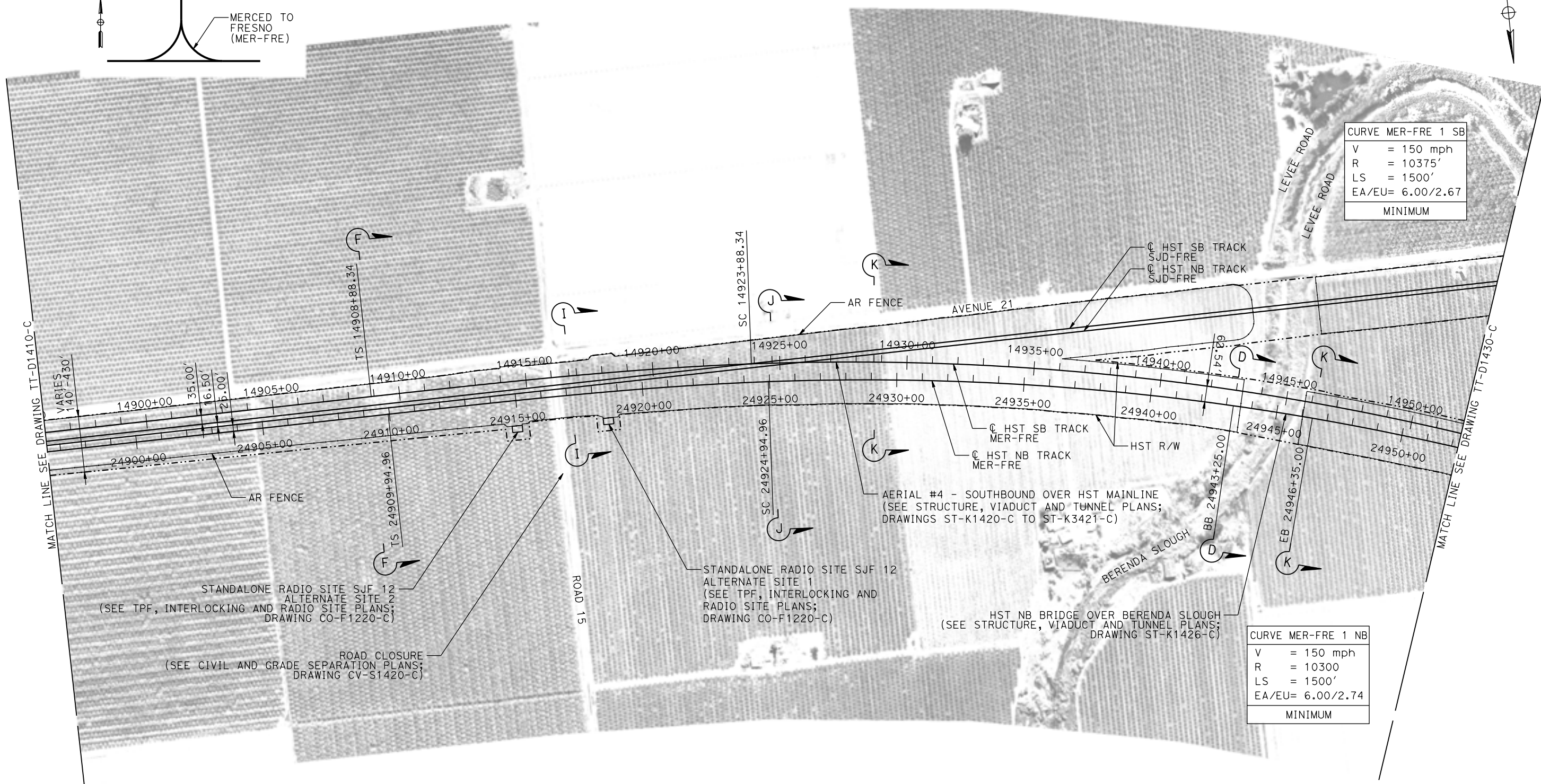
MADERA COUNTY

WYE CONNECTION SCHEMATIC



CURVE MER-FRE 1 SB	
V	= 150 mph
R	= 10375'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	

CURVE MER-FRE 1 NB	
V	= 150 mph
R	= 10300
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

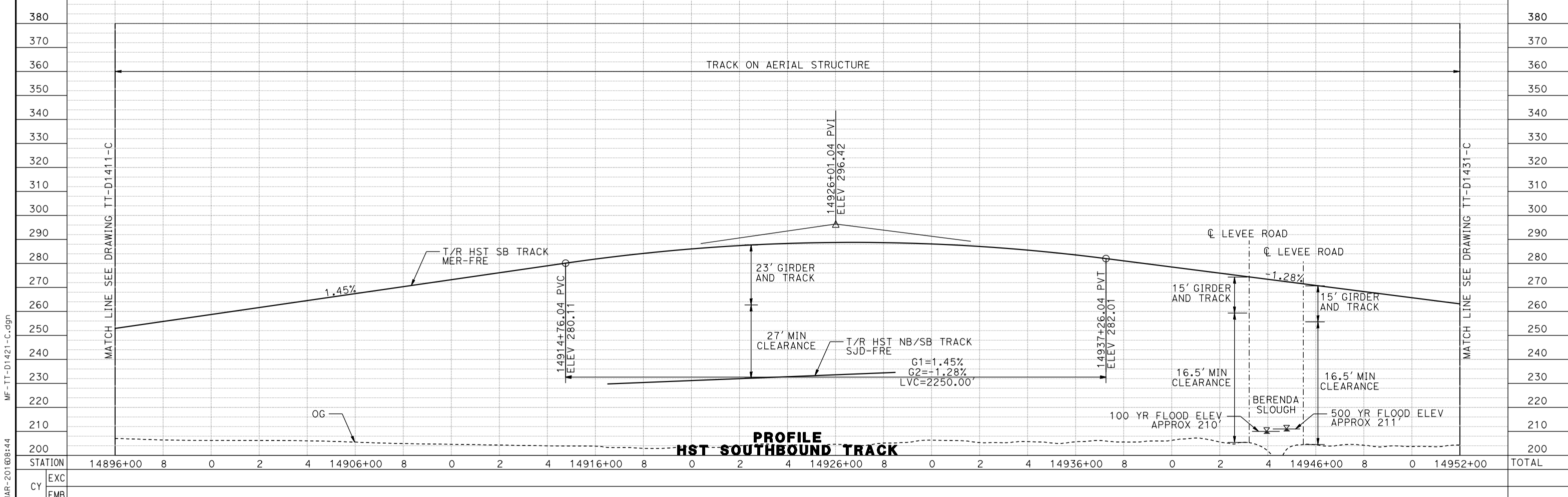
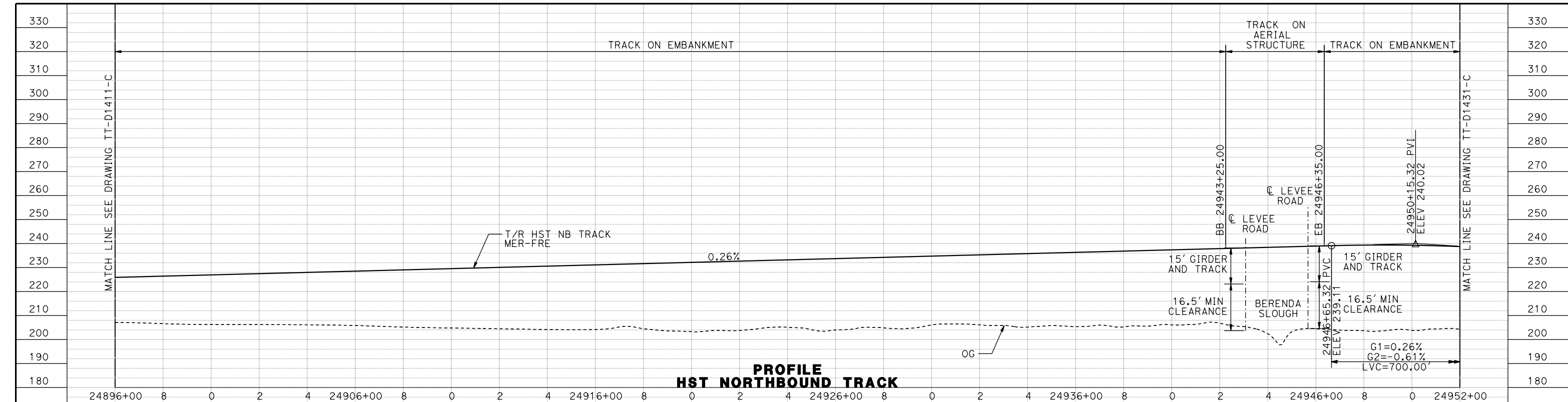
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 14896+00 TO 14952+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1420-C

SCALE
AS SHOWN

SHEET NO.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 14896+00 TO 14952+00

CONTRACT NO.
HSR08-05

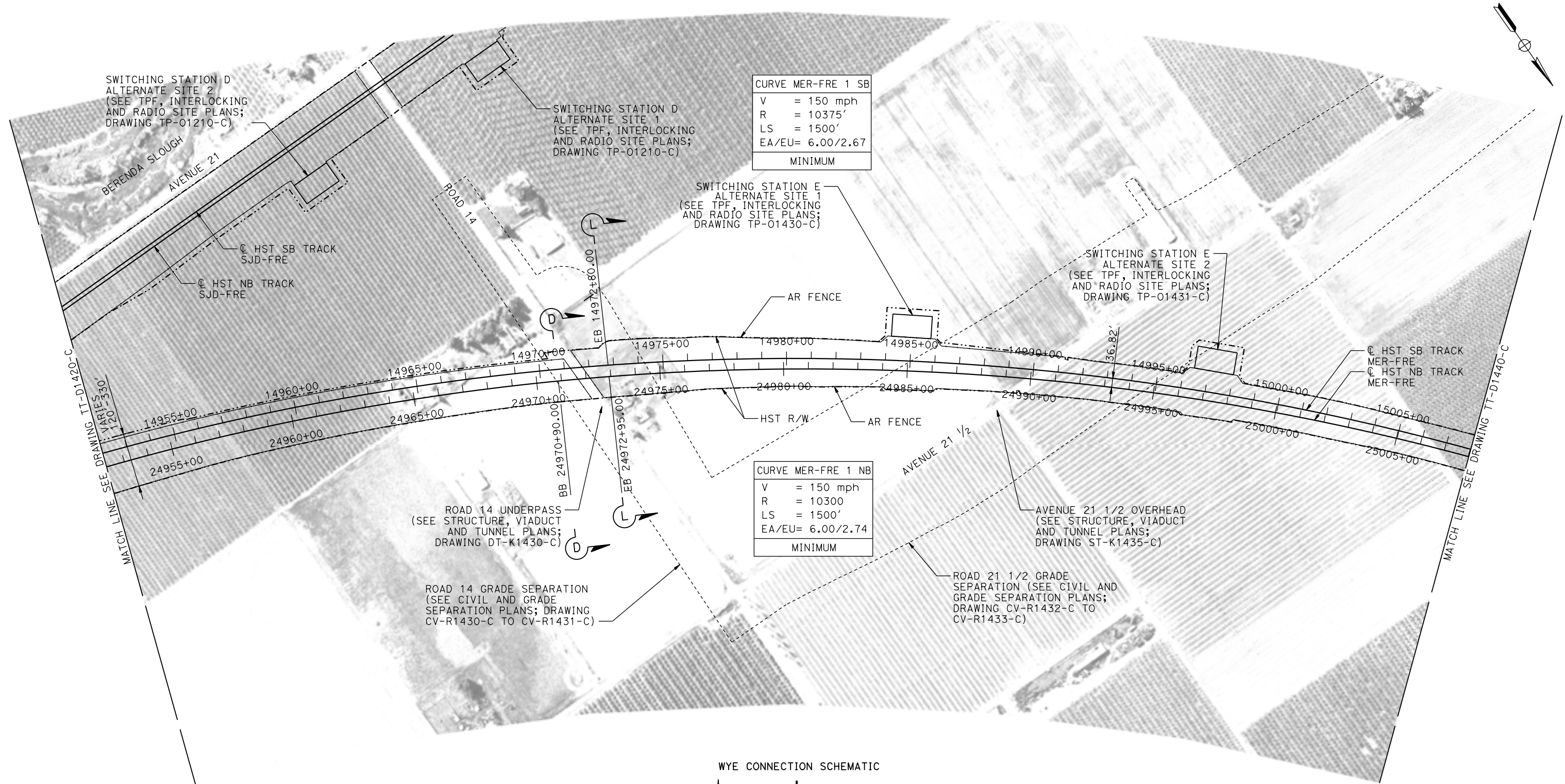
DRAWING NO.
TT-D1421-C

SCALE
AS SHOWN

SHEET NO.

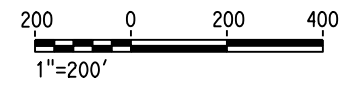
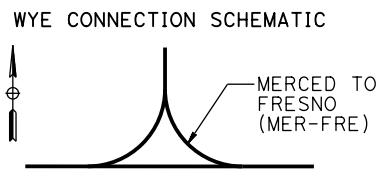
09-MAR-2016 08:44 MF-TT-D1421-C.dgn

MADERA COUNTY



CURVE MER-FRE 1 SB
 V = 150 mph
 R = 10375'
 LS = 1500'
 EA/EU= 6.00/2.67
 MINIMUM

CURVE MER-FRE 1 NB
 V = 150 mph
 R = 10300'
 LS = 1500'
 EA/EU= 6.00/2.74
 MINIMUM



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

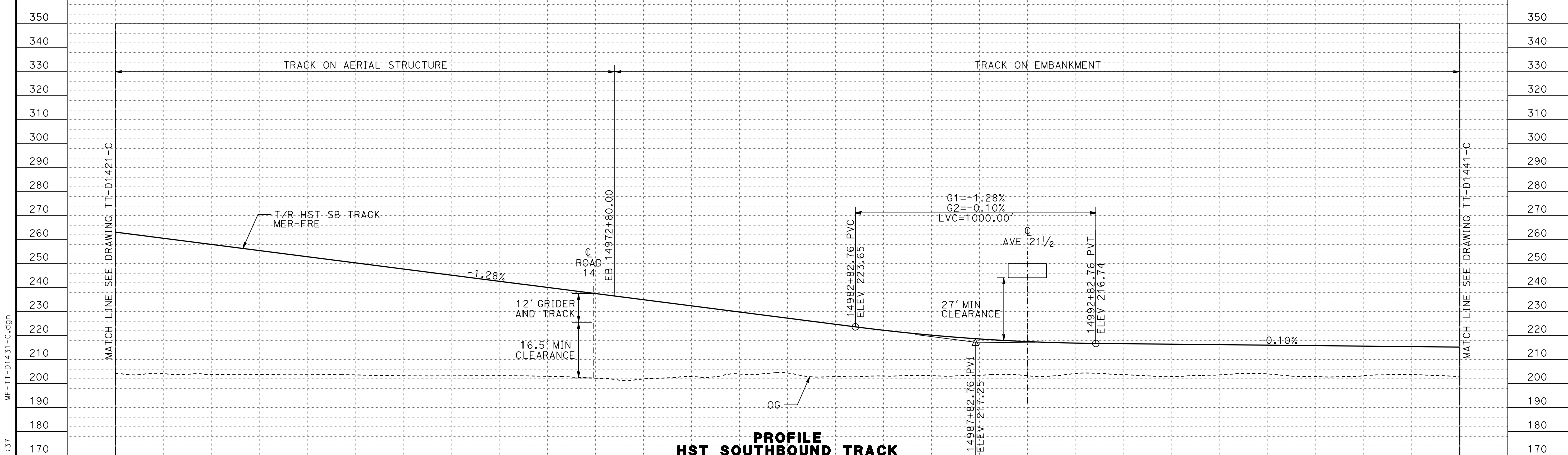
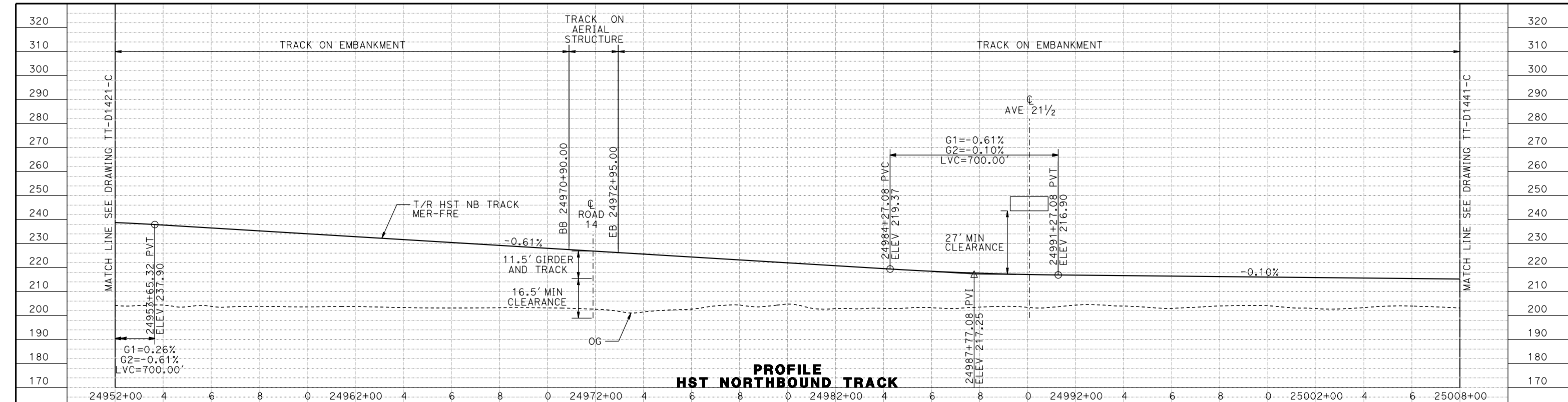
CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN
 MER-FRE STA 14952+00 TO 15008+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1430-C

SCALE
AS SHOWN

SHEET NO.



STATION	14952+00	4	6	8	0	14962+00	4	6	8	0	14972+00	4	6	8	0	14982+00	4	6	8	0	14992+00	4	6	8	0	15002+00	4	6	15008+00	TOTAL	
EXC																															
EMB																															

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	ELVIS C.
IN CHARGE	C. LEMLEY
DATE	02/13/2015

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



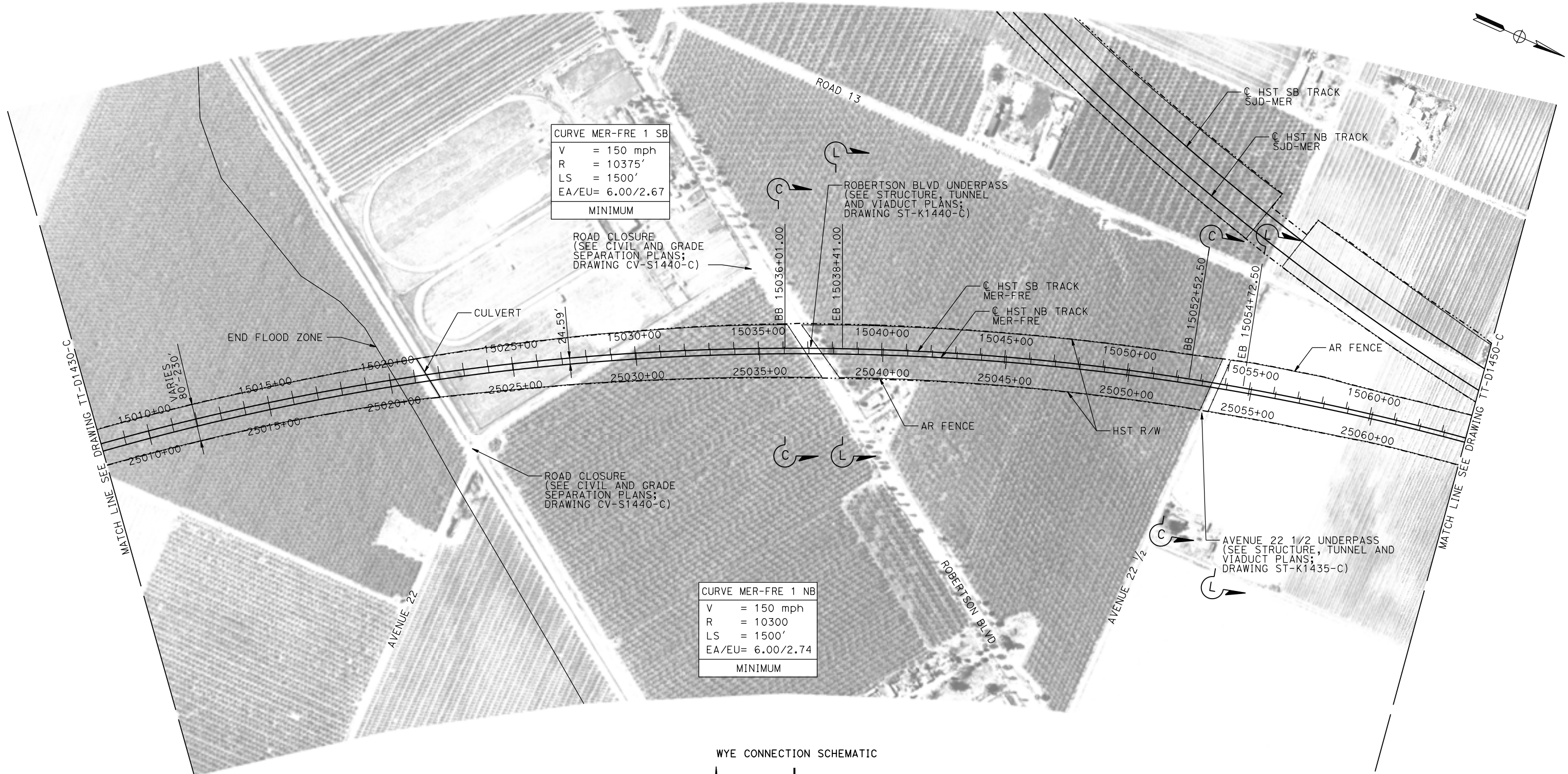
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 14952+00 TO 15008+00

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

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

MADERA COUNTY



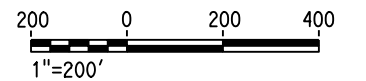
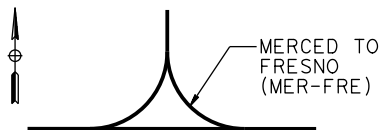
CURVE MER-FRE 1 SB	
V	= 150 mph
R	= 10375'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	

ROAD CLOSURE
(SEE CIVIL AND GRADE
SEPARATION PLANS;
DRAWING CV-S1440-C)

CURVE MER-FRE 1 NB	
V	= 150 mph
R	= 10300'
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

ROAD CLOSURE
(SEE CIVIL AND GRADE
SEPARATION PLANS;
DRAWING CV-S1440-C)

WYE CONNECTION SCHEMATIC



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

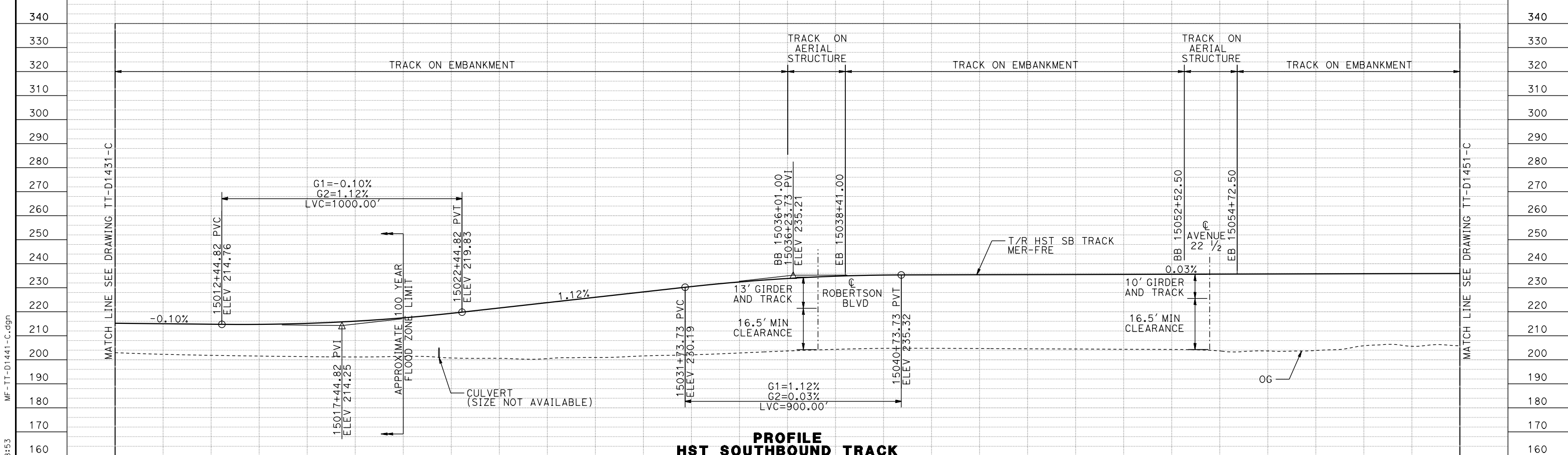
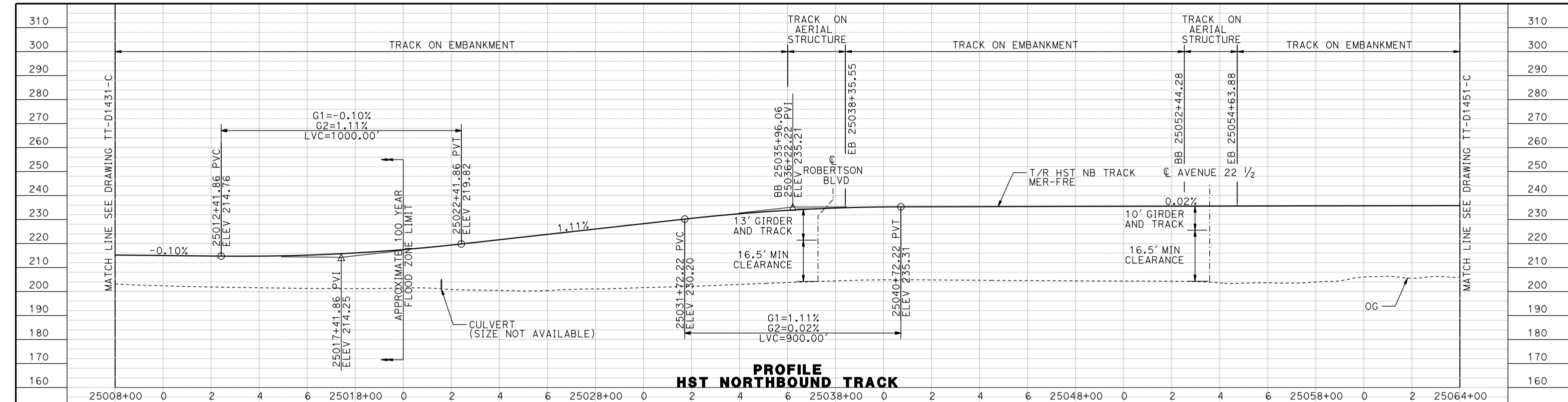
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15008+00 TO 15064+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1440-C

SCALE
AS SHOWN

SHEET NO.



STATION	15008+00	0	2	4	6	15018+00	0	2	4	6	15028+00	0	2	4	6	15038+00	0	2	4	6	15048+00	0	2	4	6	15058+00	0	2	15064+00	TOTAL
EXC																														
EMB																														

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



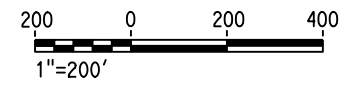
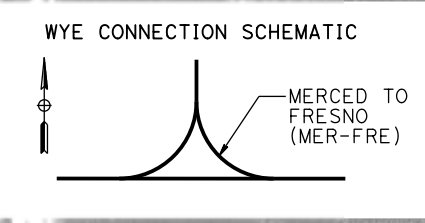
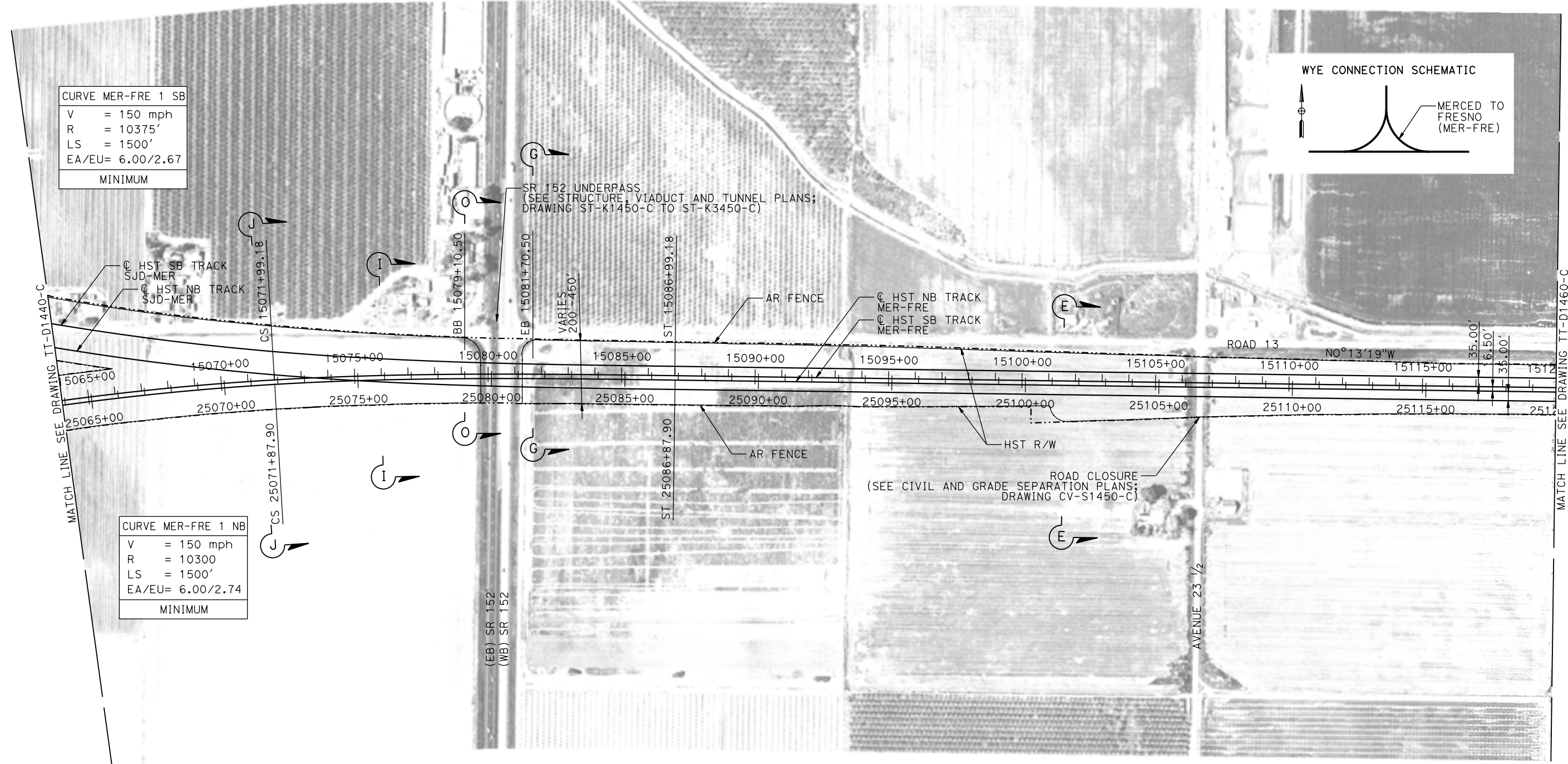
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15008+00 TO 15064+00

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

07-MAR-2016 08:53 MF-TT-D1441-C.dgn

MADERA COUNTY



PLAN

07-MAR-2016 10:52 MF-TT-D1450-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

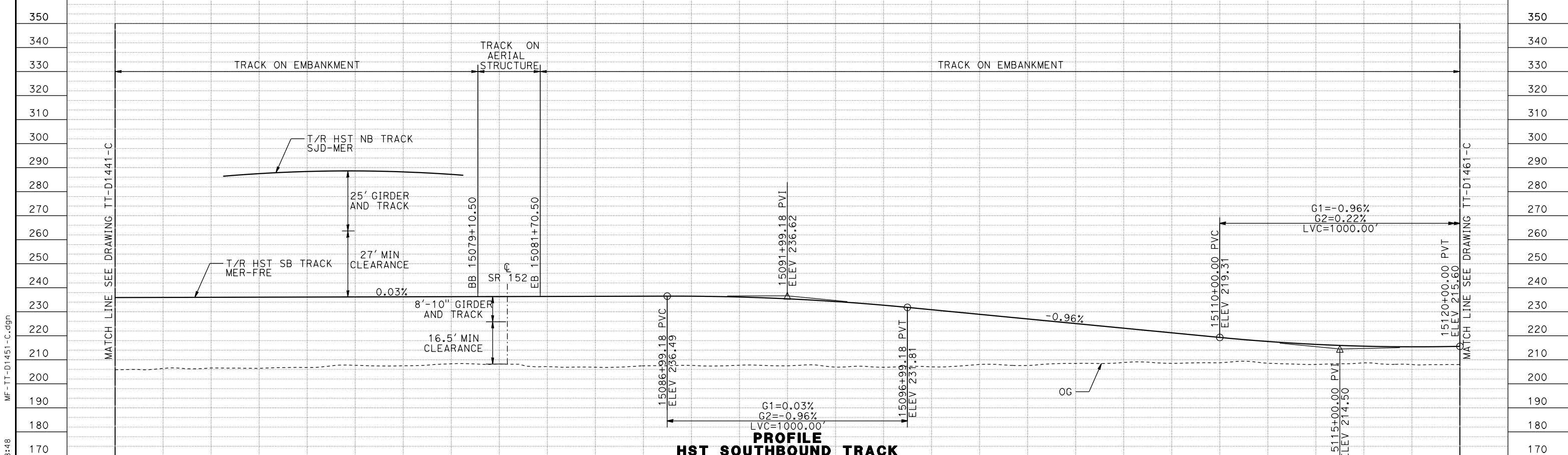
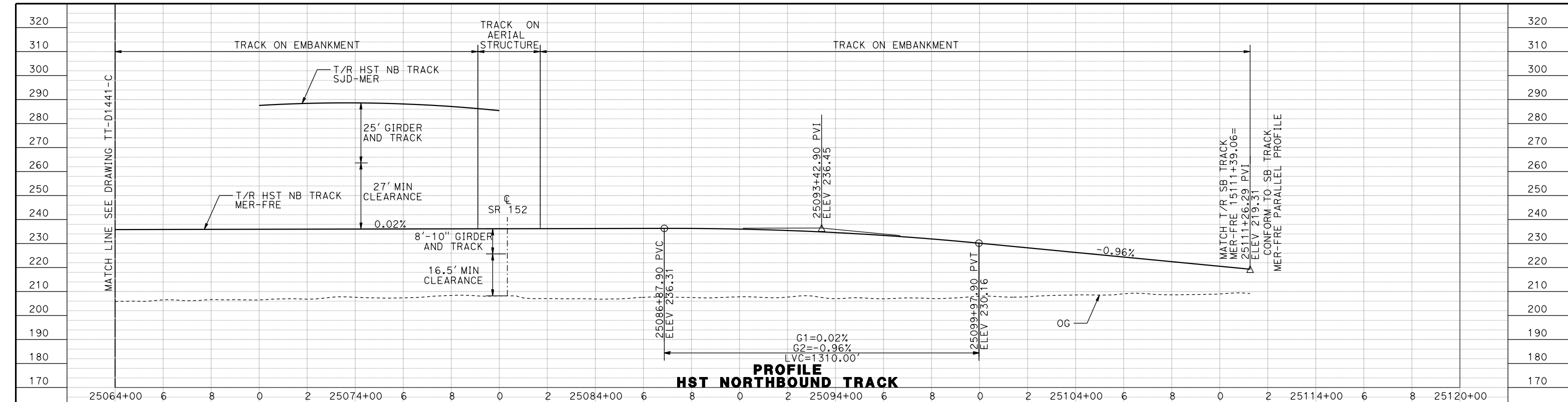
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15064+00 TO 15120+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1450-C

SCALE
AS SHOWN

SHEET NO.



STATION	15064+00	6	8	0	2	15074+00	6	8	0	2	15084+00	6	8	0	2	15094+00	6	8	0	2	15104+00	6	8	0	2	15114+00	6	8	15120+00	TOTAL	
EXC																															
EMB																															

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



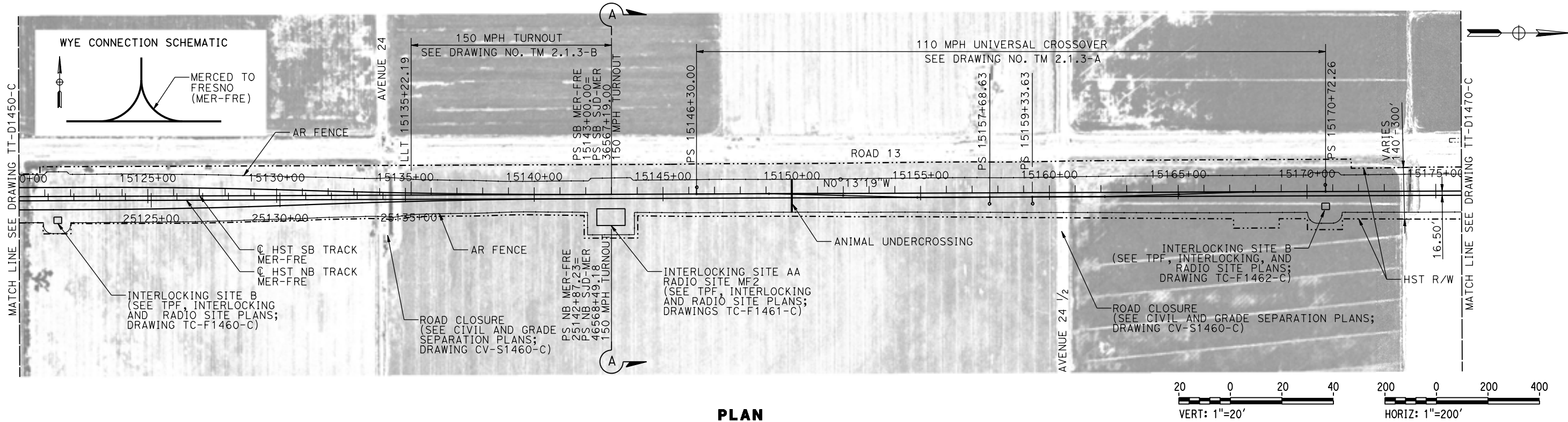
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 15064+00 TO 15120+00

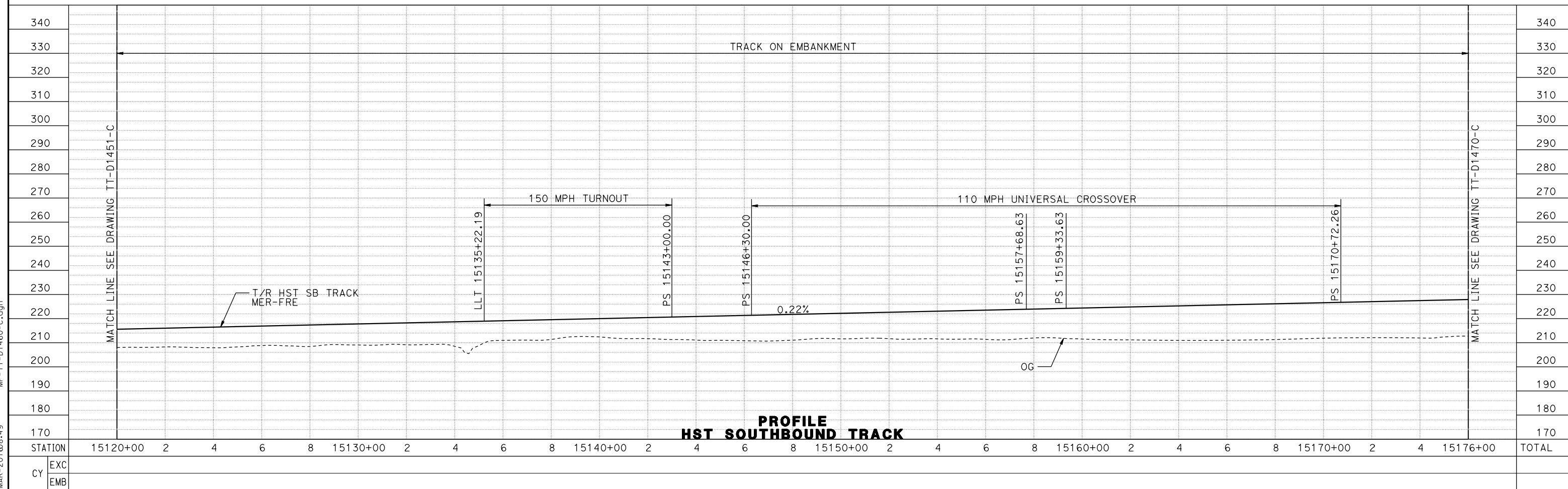
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1451-C
SCALE	AS SHOWN
SHEET NO.	

09-MAR-2016 08:48 MF-TT-D1451-C.dgn

MADERA COUNTY



PLAN



**PROFILE
HST SOUTHBOUND TRACK**

STATION	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	4	6	8	15170+00	2	4	15176+00	TOTAL
EXC																														
EMB																														

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



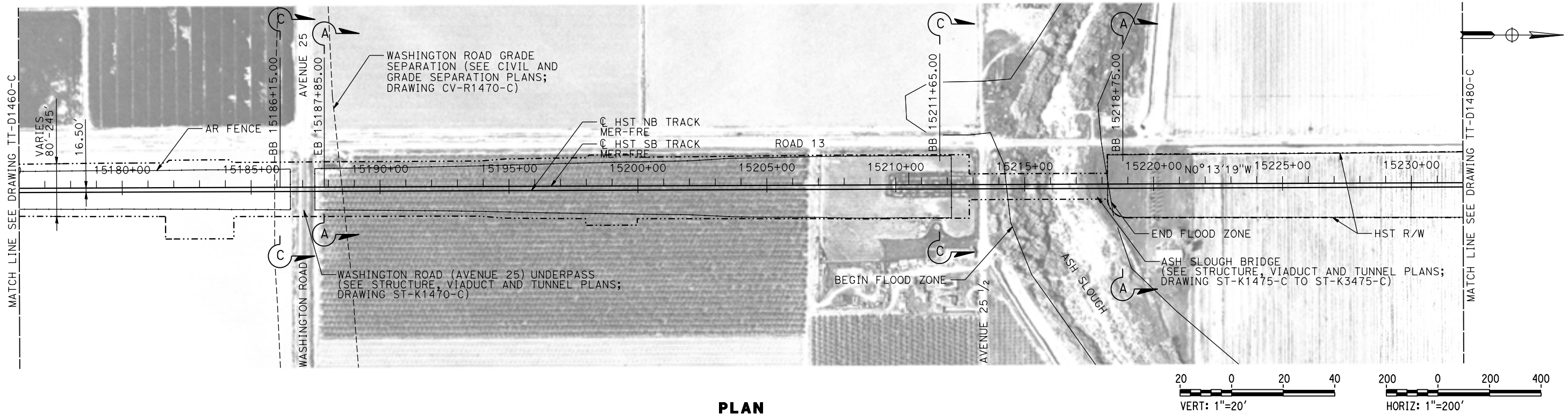
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN AND PROFILE
 MER-FRE STA 15120+00 TO 15176+00

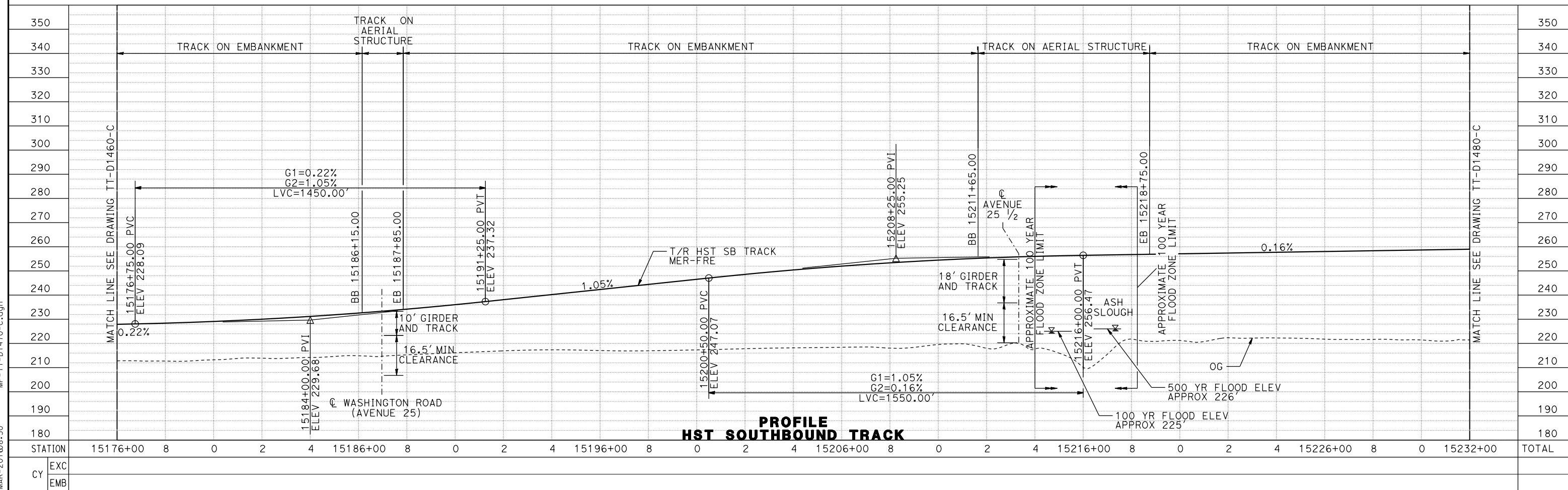
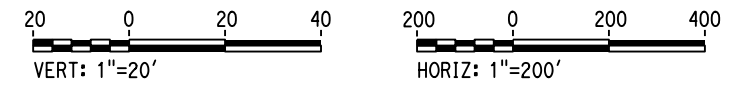
CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1460-C
SCALE	AS SHOWN
SHEET NO.	

09-MAR-2016 08:49 MF-TT-D1460-C.dgn

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



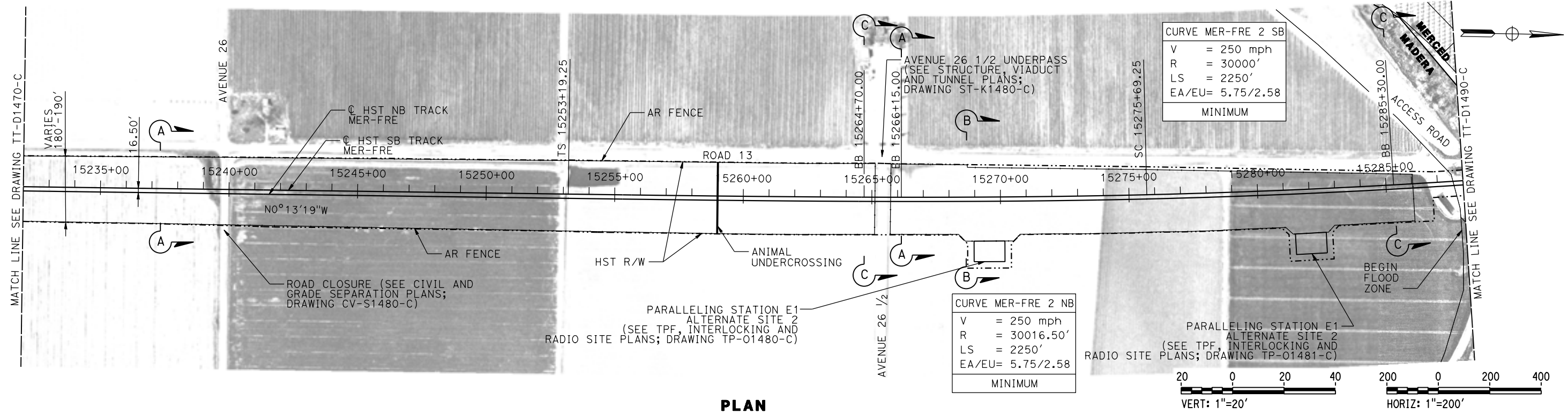
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15176+00 TO 15232+00

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

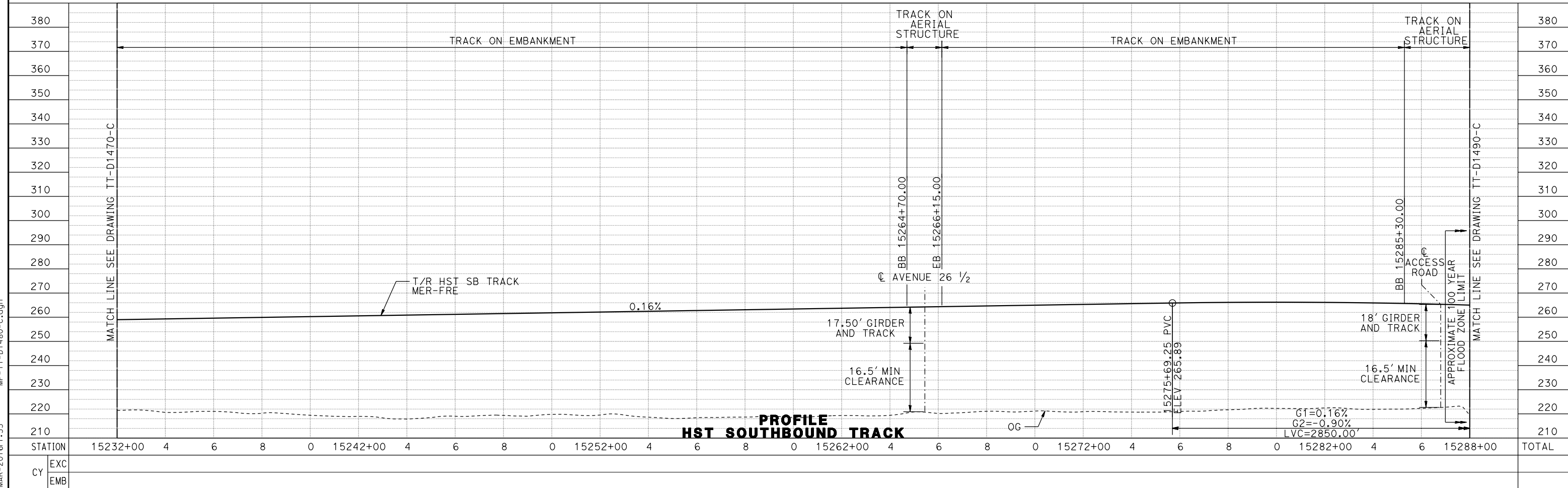
09-MAR-2016 08:50 MF-TT-D1470-C.dgn

MADERA COUNTY

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

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

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

RECORD SET
15% DESIGN
SUBMITTAL

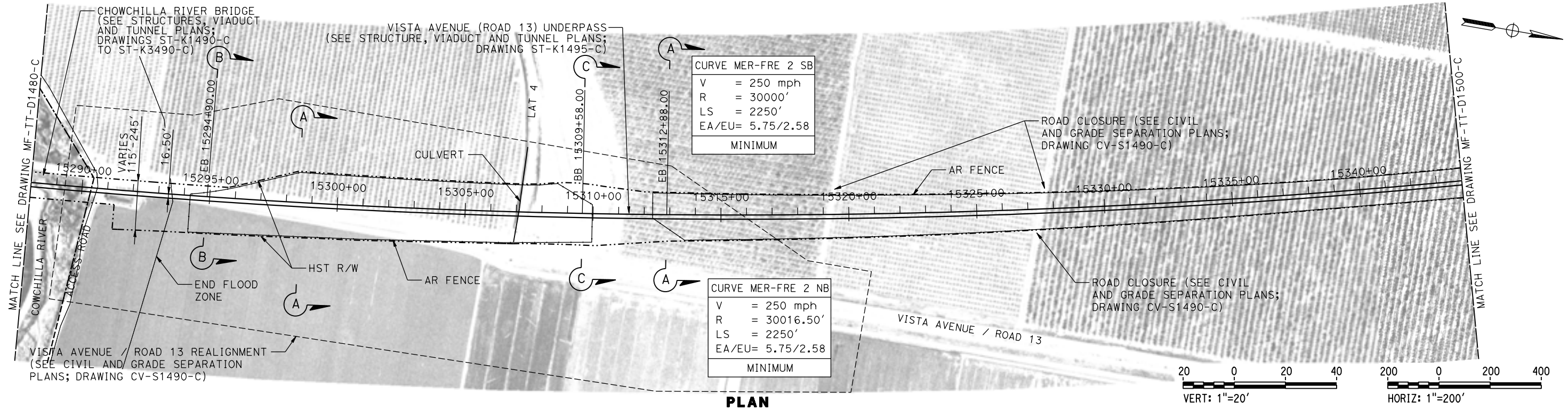
NOT FOR
CONSTRUCTION



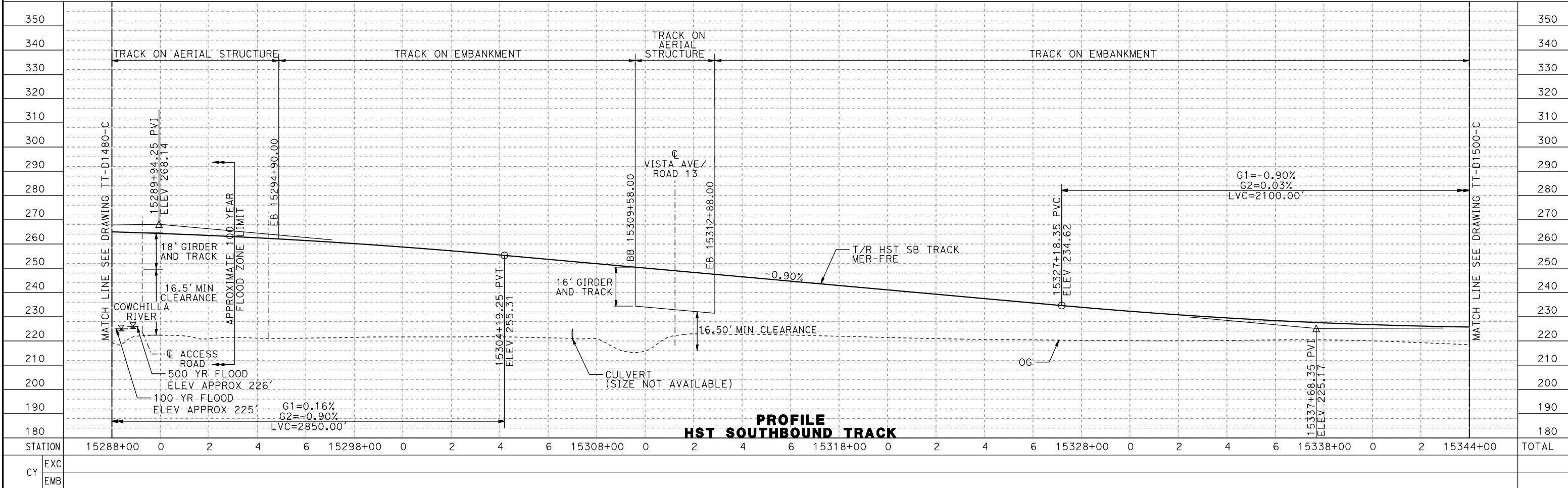
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15232+00 TO 15288+00

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

MERCED COUNTY



PLAN



PROFILE HST SOUTHBOUND TRACK

09-MAR-2016 08:52 MF-TT-D1490-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

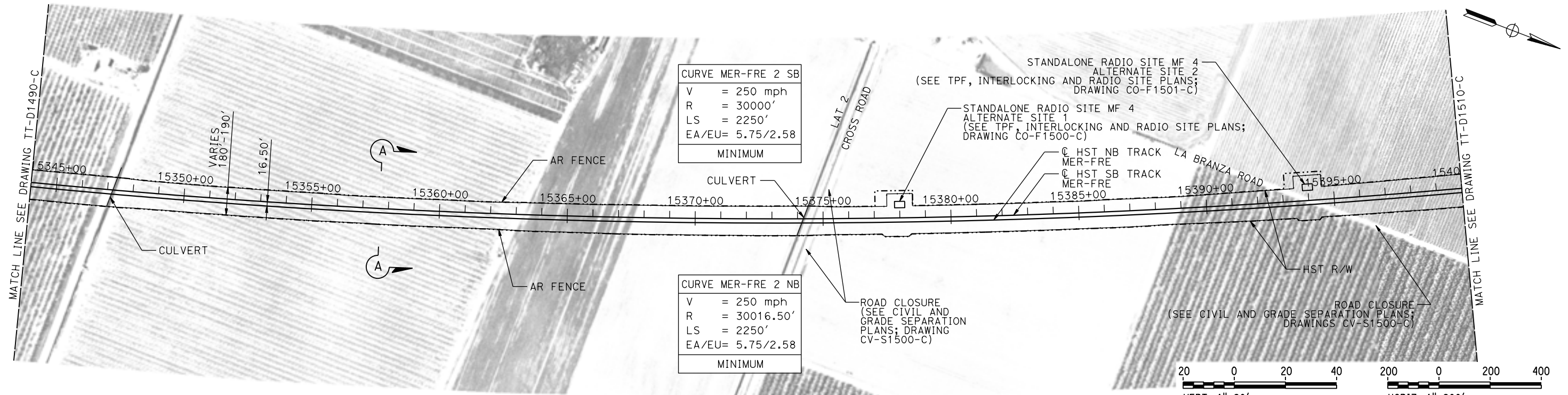
NOT FOR
CONSTRUCTION



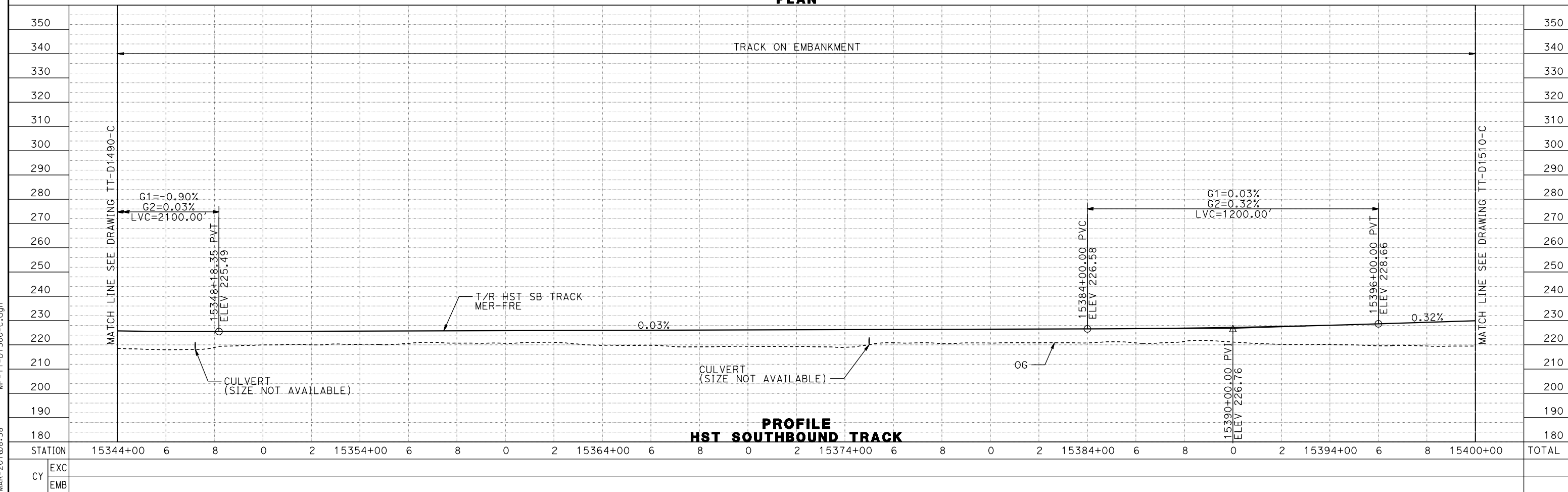
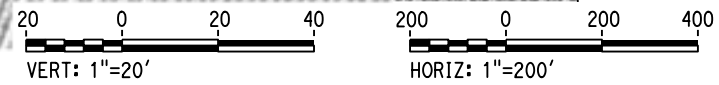
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15288+00 TO 15344+00

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

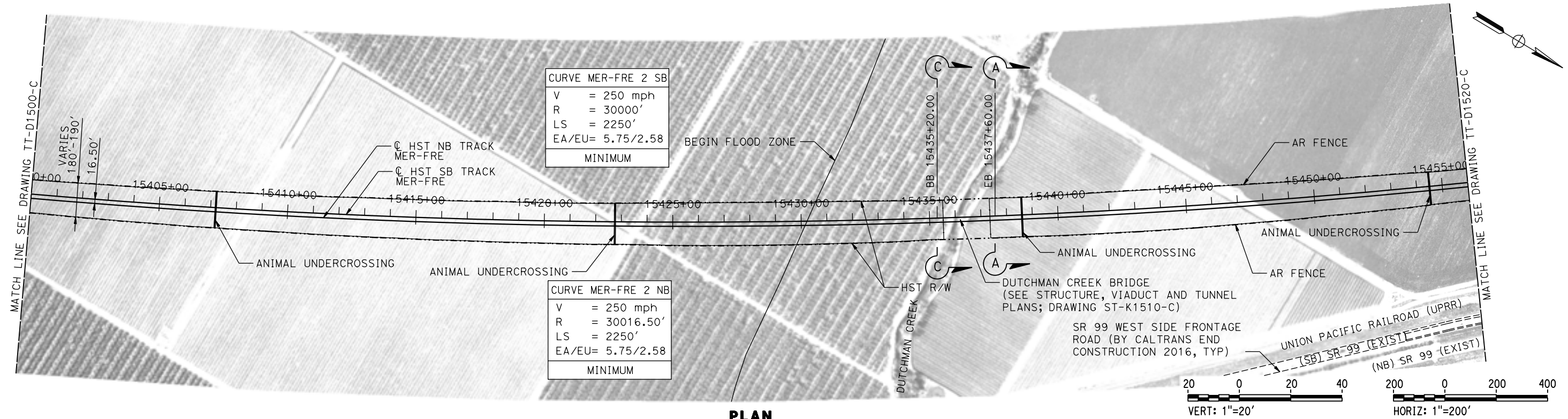


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15344+00 TO 15400+00

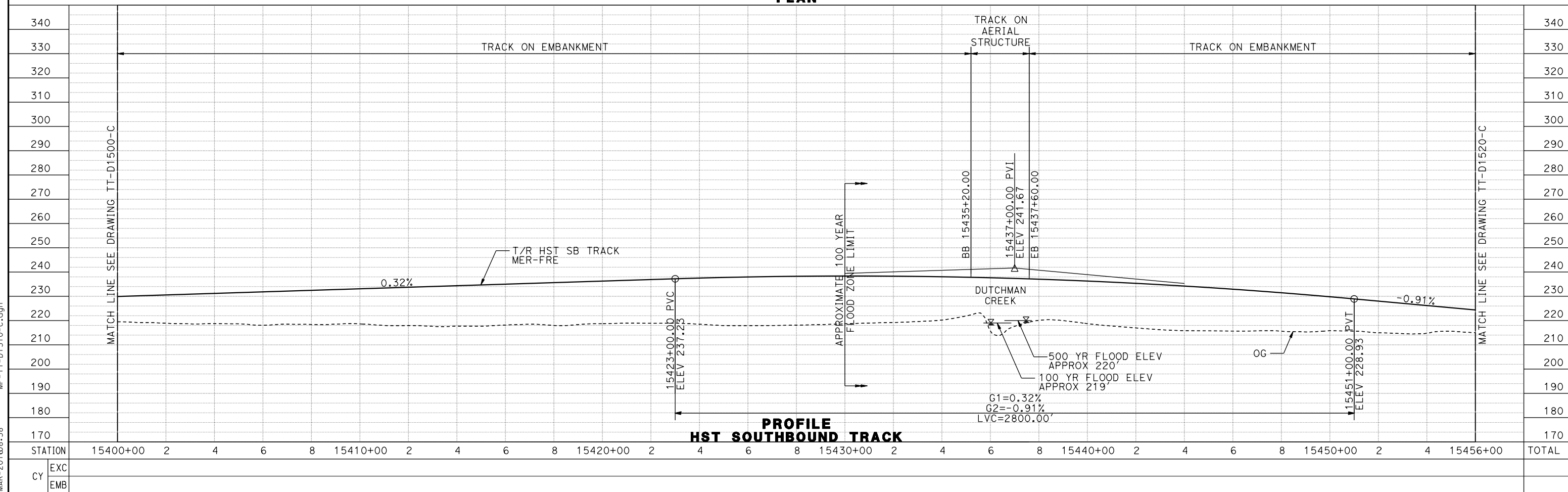
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1500-C
SCALE
AS SHOWN
SHEET NO.

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

MERCED COUNTY



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

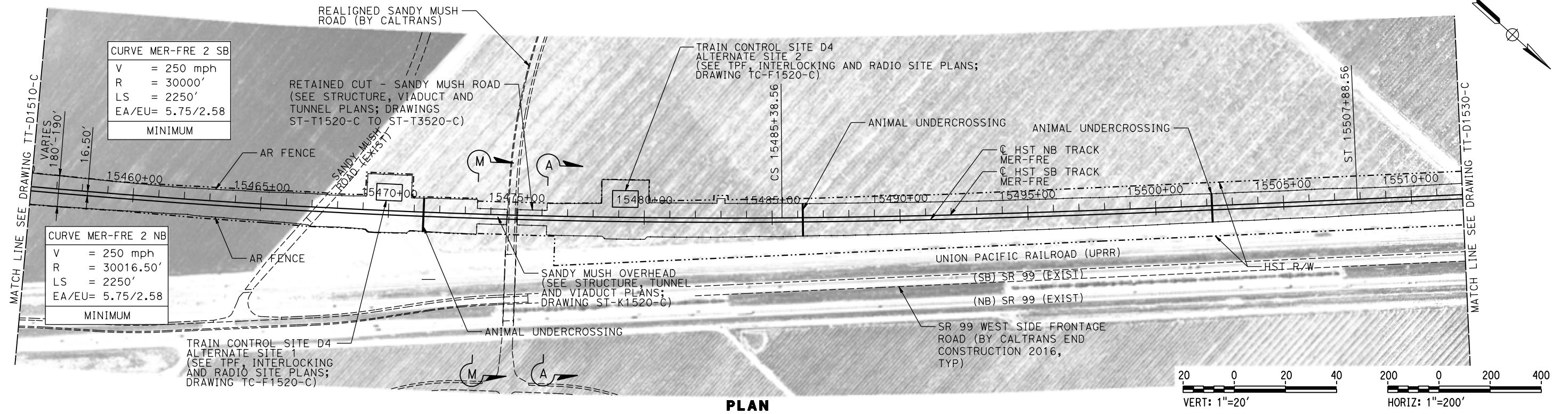
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1510-C

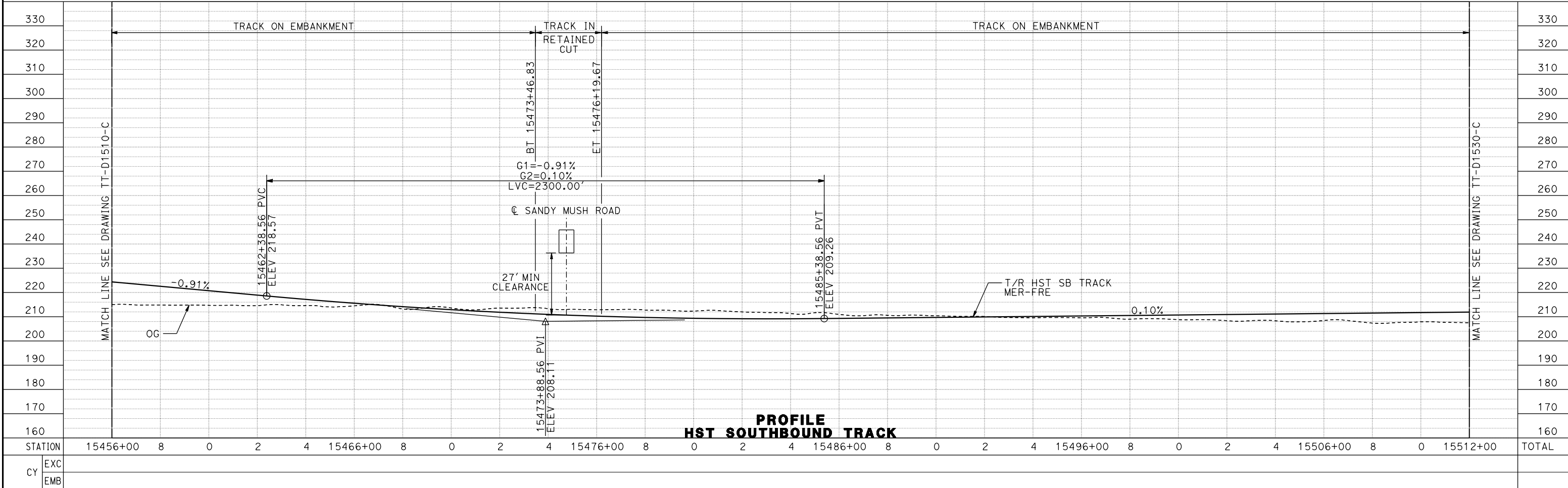
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY



PLAN



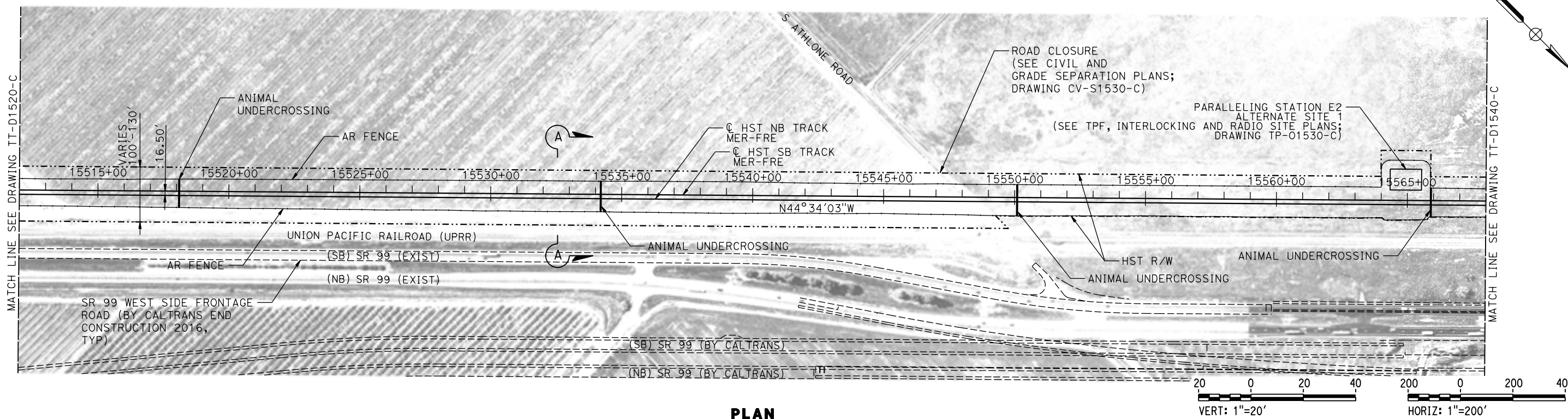
PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

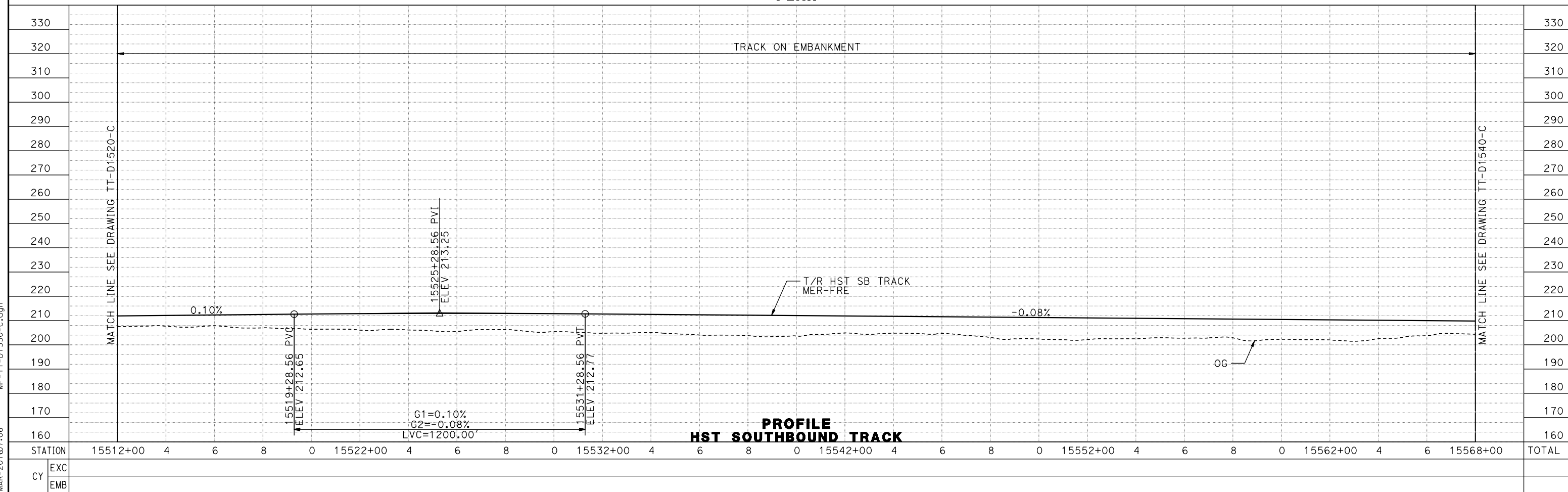
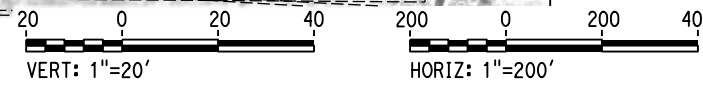
DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY N. OUM IN CHARGE C. LEMLEY DATE 03/18/2016	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION	 PARSONS	 CALIFORNIA HIGH-SPEED RAIL AUTHORITY
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15456+00 TO 15512+00			
CONTRACT NO. HSR08-05		DRAWING NO. TT-D1520-C	
SCALE AS SHOWN		SHEET NO.	

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

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

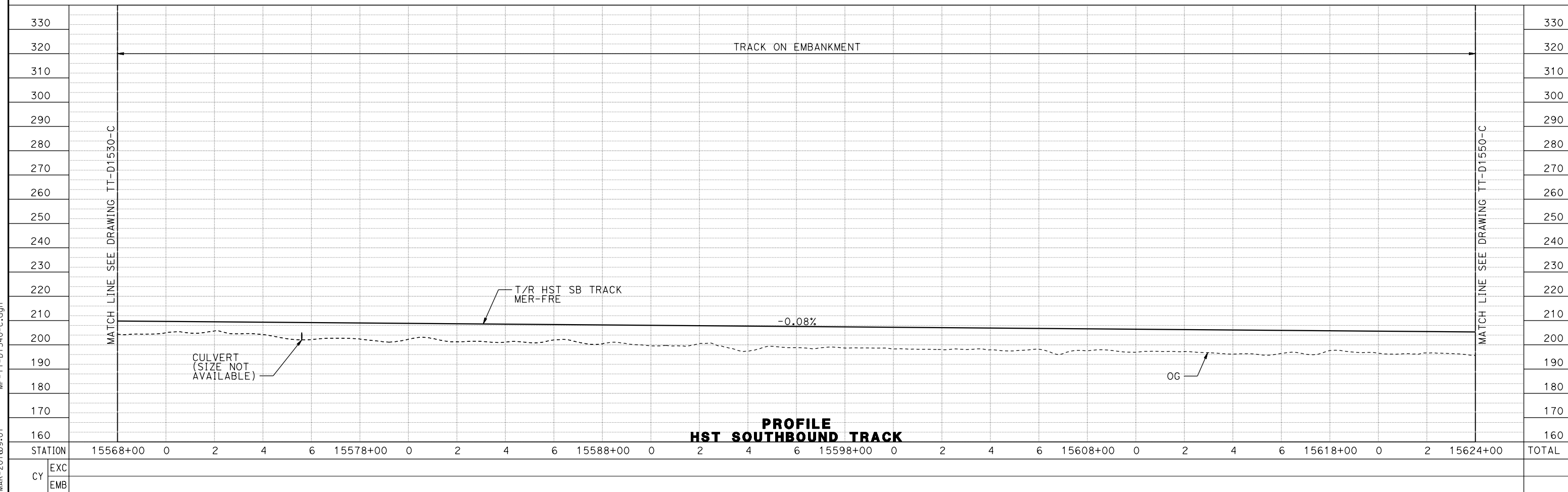
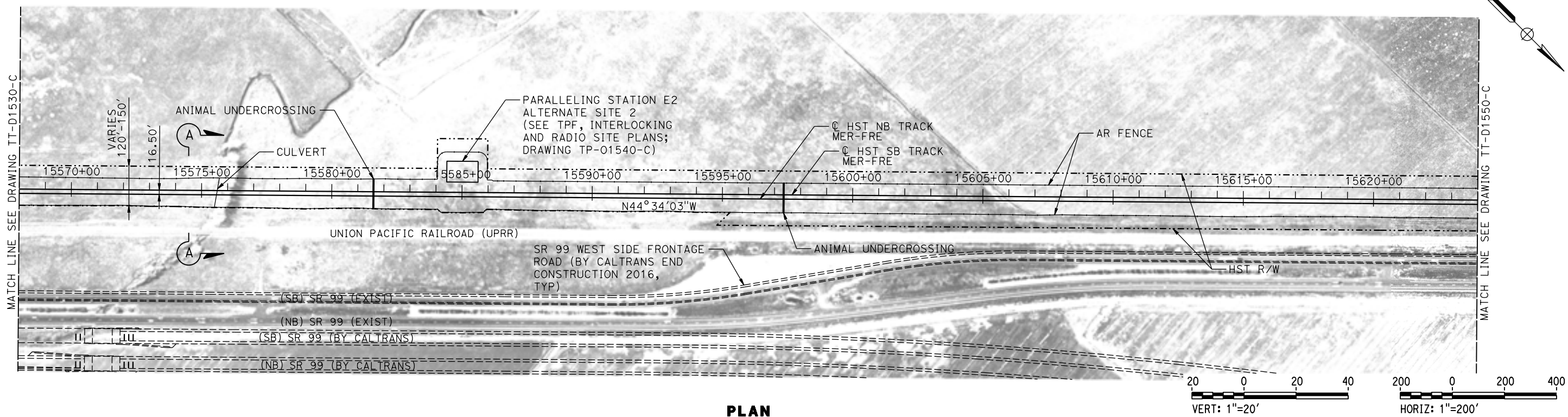


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15512+00 TO 15568+00

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

12-MAR-2016 10:07:06 MF-TT-D1530-C.dgn

MERCED COUNTY



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15568+00 TO 15624+00

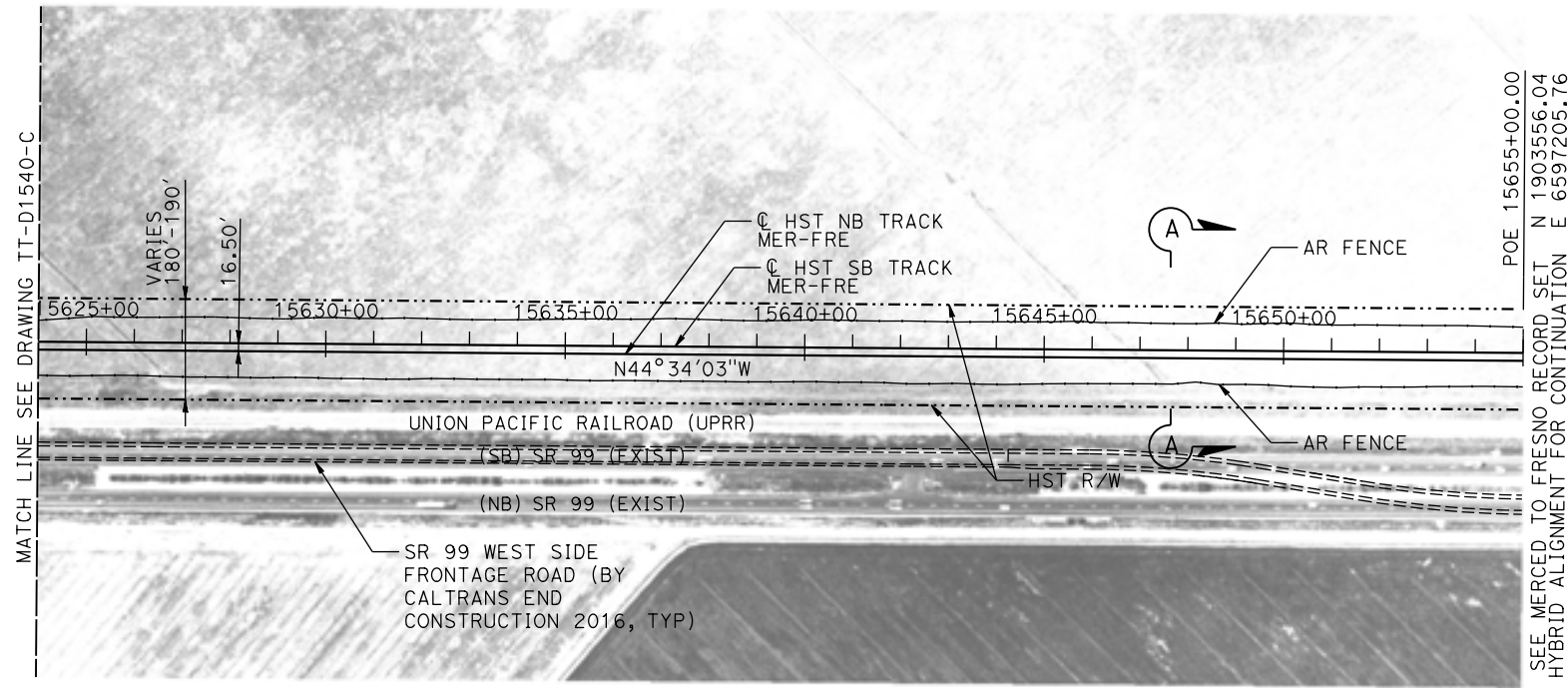
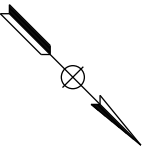
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1540-C

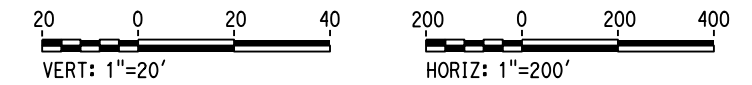
SCALE
AS SHOWN

SHEET NO.

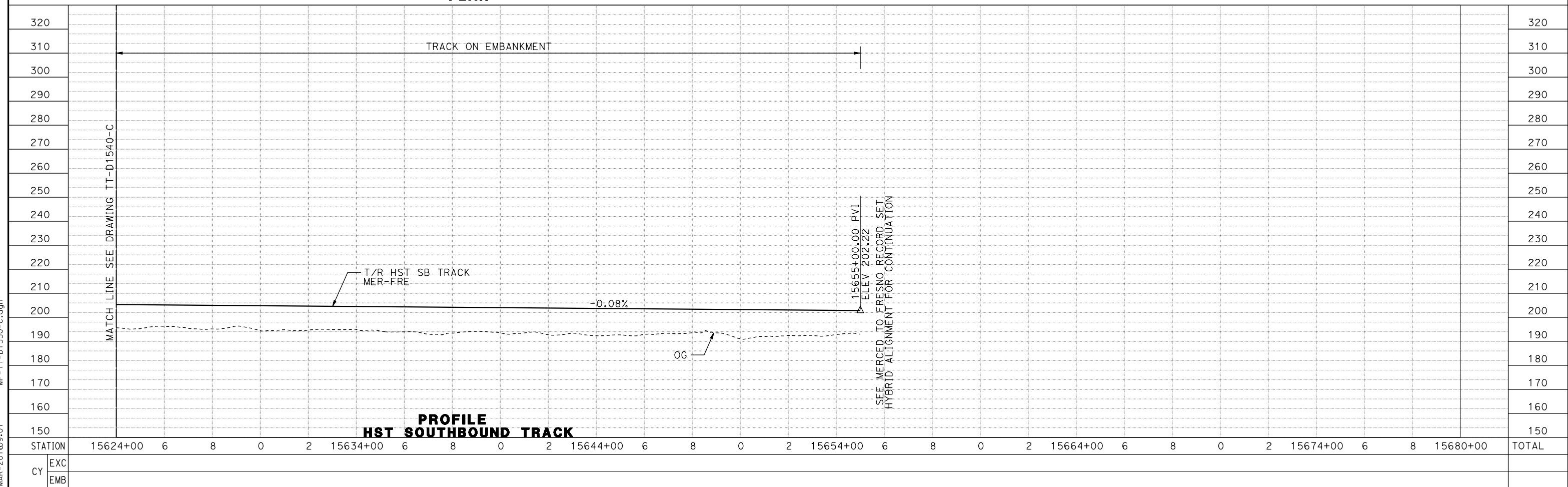
MERCED COUNTY



POE 15655+00.00
SEE MERCED TO FRESNO RECORD SET N 1903556.04
HYBRID ALIGNMENT FOR CONTINUATION E 6997205.76



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

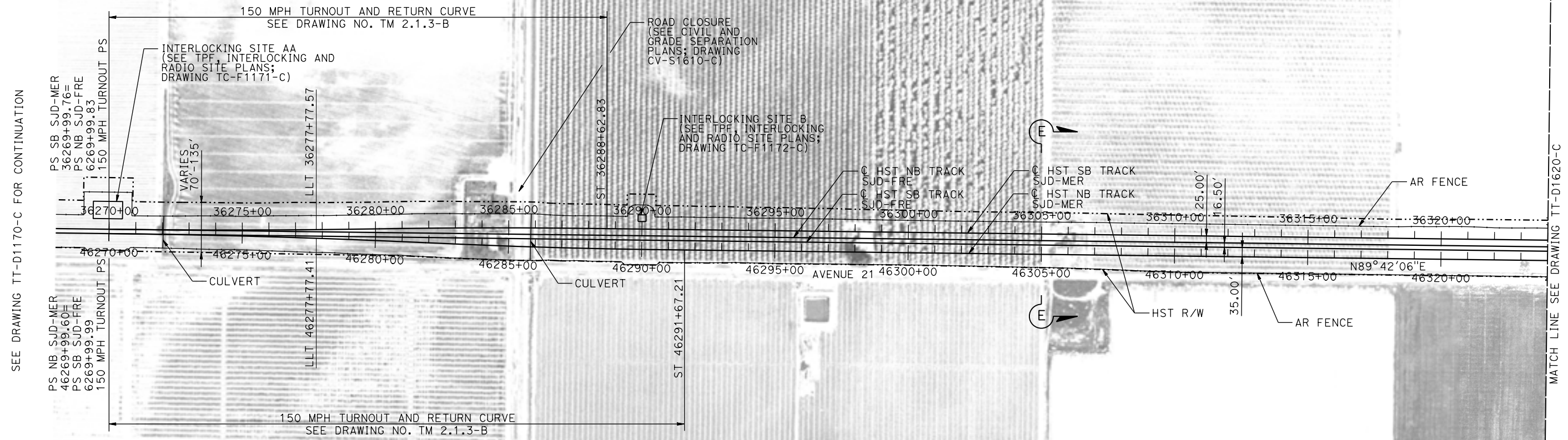
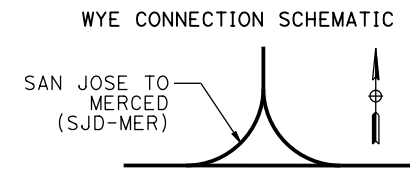


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15624+00 TO 15655+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1550-C
SCALE
AS SHOWN
SHEET NO.

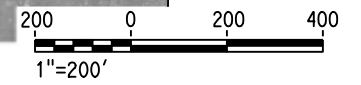
07-MAR-2016 09:01 MF-TT-D1550-C.dgn

MADERA COUNTY



SEE DRAWING TT-D1170-C FOR CONTINUATION

MATCH LINE SEE DRAWING TT-D1620-C



PLAN

12-MAR-2016 10:07:06 MF-TT-D1610-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

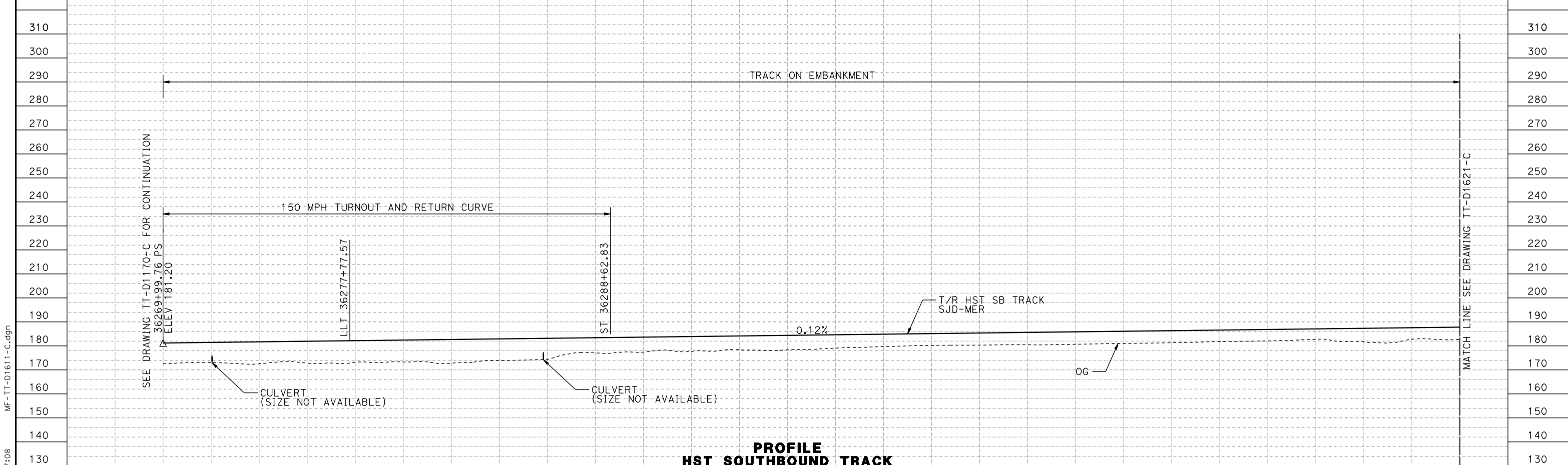
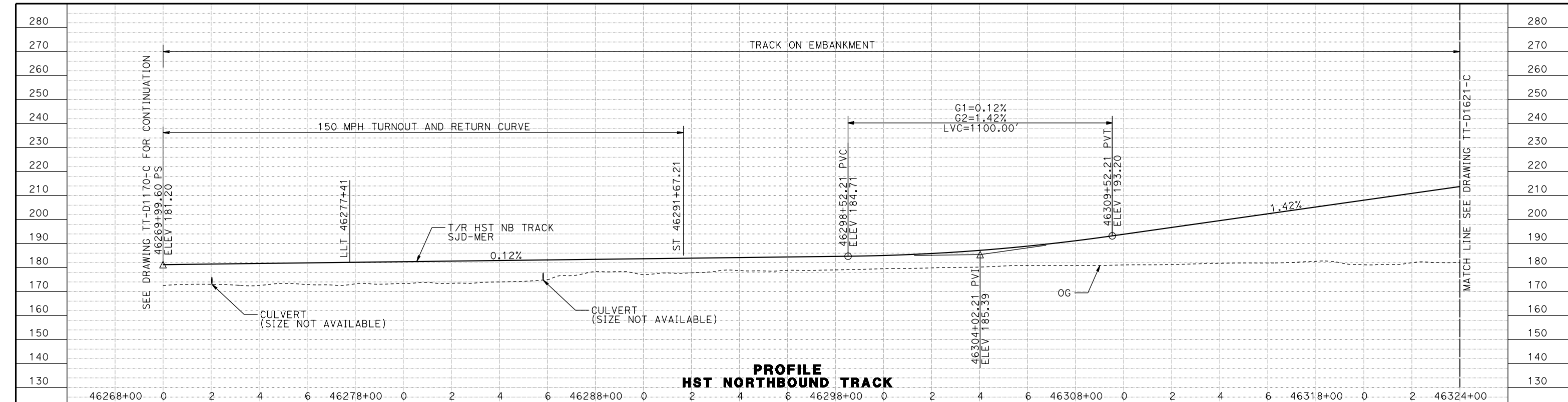
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36268+00 TO 36324+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1610-C

SCALE
AS SHOWN

SHEET NO.



STATION	36268+00	0	2	4	6	36278+00	0	2	4	6	36288+00	0	2	4	6	36298+00	0	2	4	6	36308+00	0	2	4	6	36318+00	0	2	36324+00	TOTAL
EXC																														
EMB																														

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

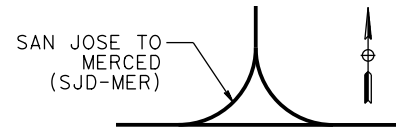
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36268+00 TO 36324+00

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

12-MAR-2016 10:07:08 MF-TT-D1611-C.dgn

MADERA COUNTY

WYE CONNECTION SCHEMATIC



CURVE SJD-MER 1 SB

V	= 150 mph
R	= 10300
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

CURVE SJD-MER 1 NB

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

AERIAL #5 - NORTHBOUND OVER HST MAINLINE
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS;
DRAWINGS ST-K1620-C TO ST-K3621-C)

PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

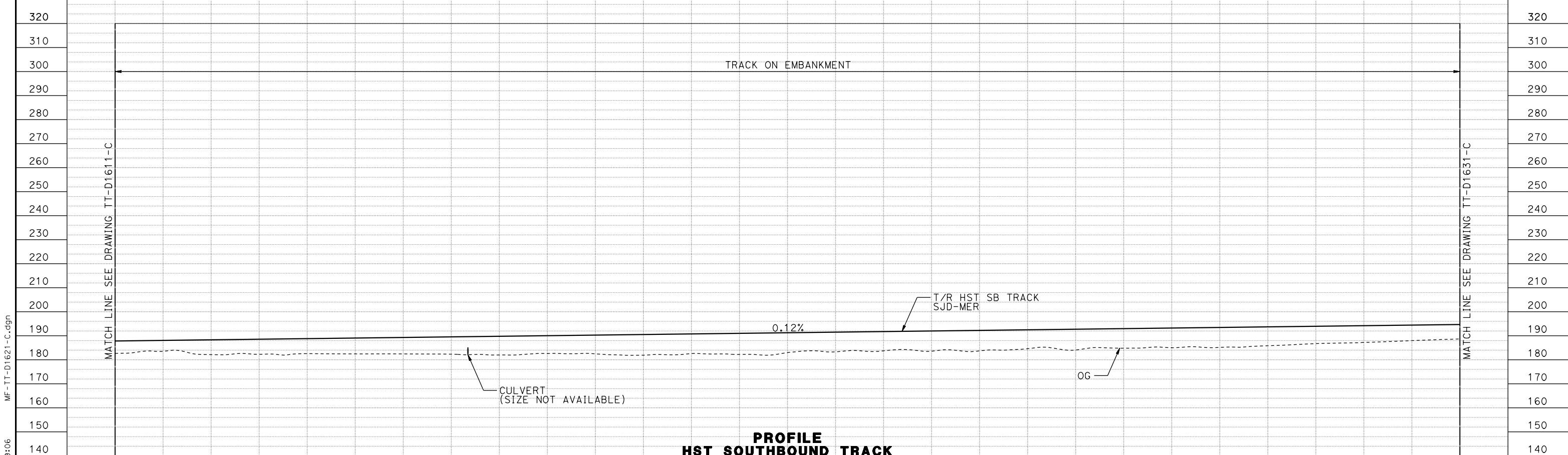
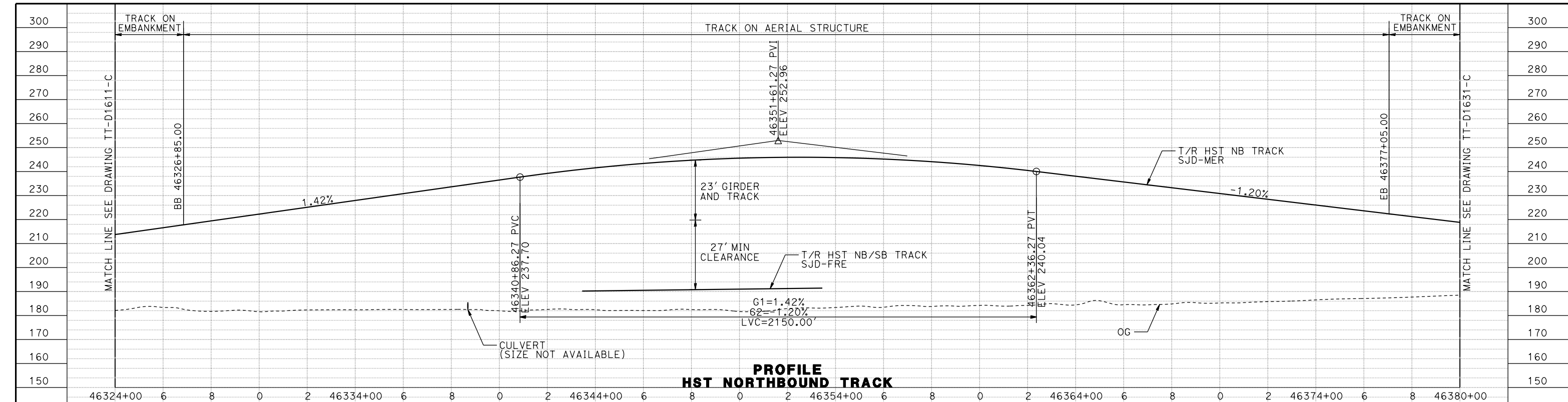
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36324+00 TO 36380+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1620-C

SCALE
AS SHOWN

SHEET NO.



STATION	36324+00	6	8	0	2	36334+00	6	8	0	2	36344+00	6	8	0	2	36354+00	6	8	0	2	36364+00	6	8	0	2	36374+00	6	8	36380+00	TOTAL
EXC																														
EMB																														

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

RECORD SET
15% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION



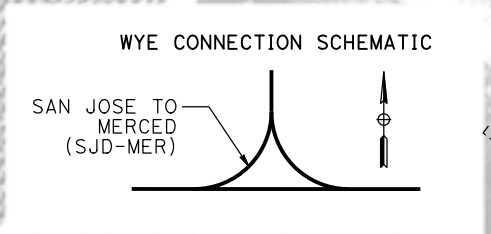
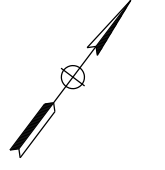
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36324+00 TO 36380+00

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

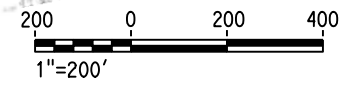
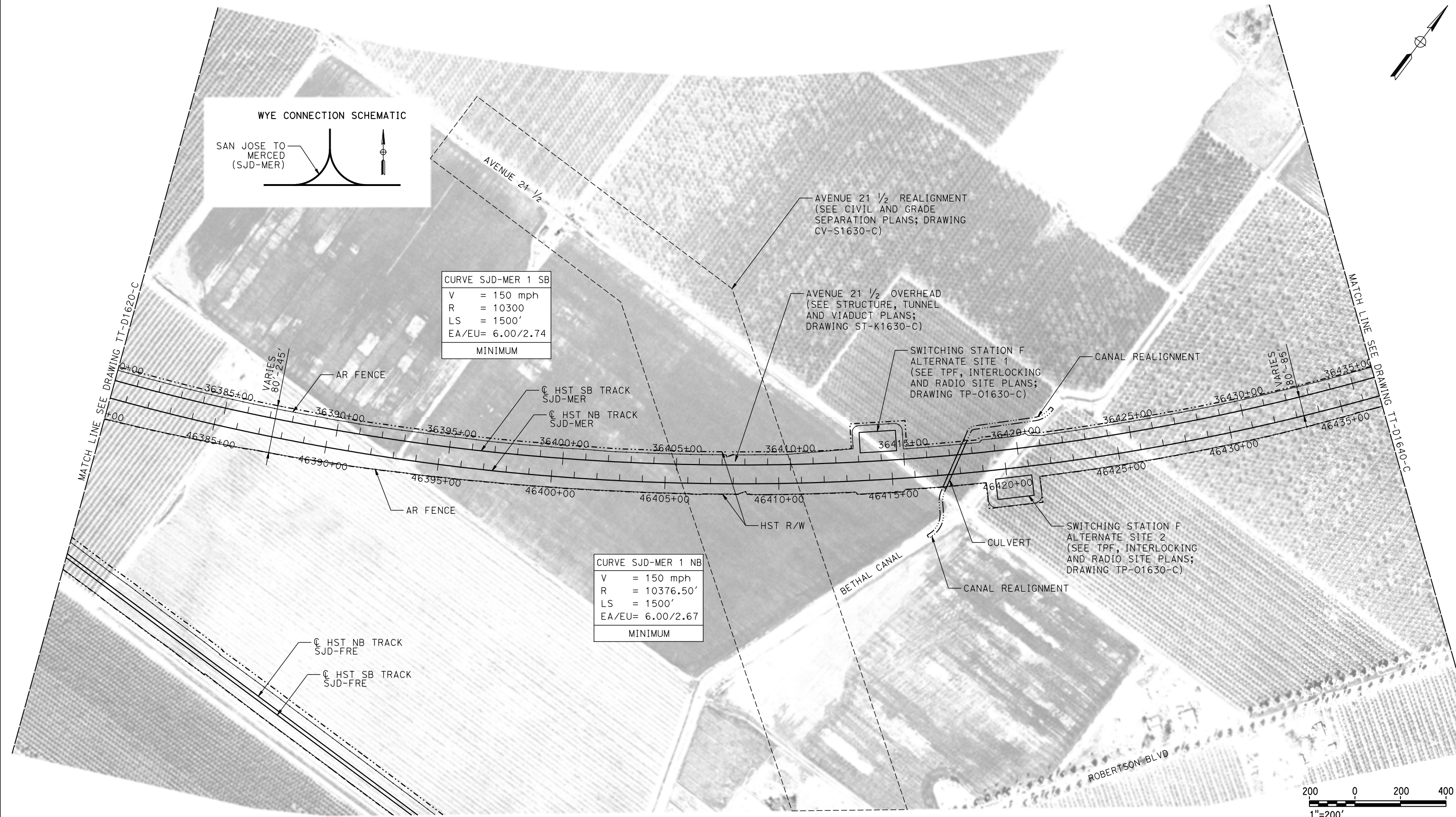
07-MAR-2016 09:06 MF-TT-D1621-C.dgn

MADERA COUNTY



CURVE SJD-MER 1 SB	
V	= 150 mph
R	= 10300
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

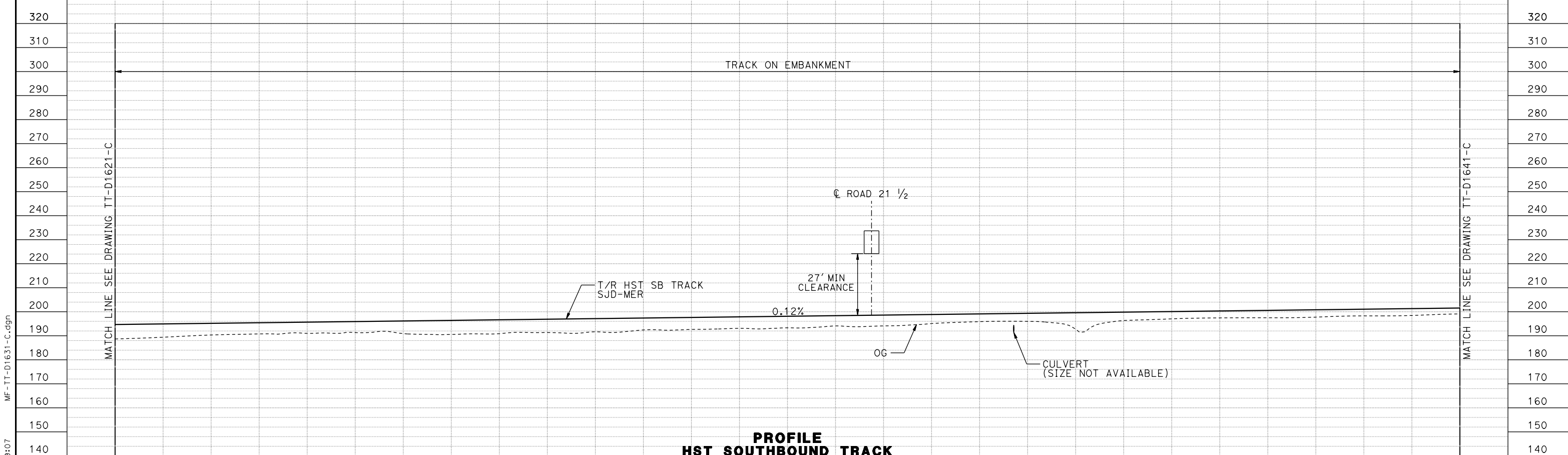
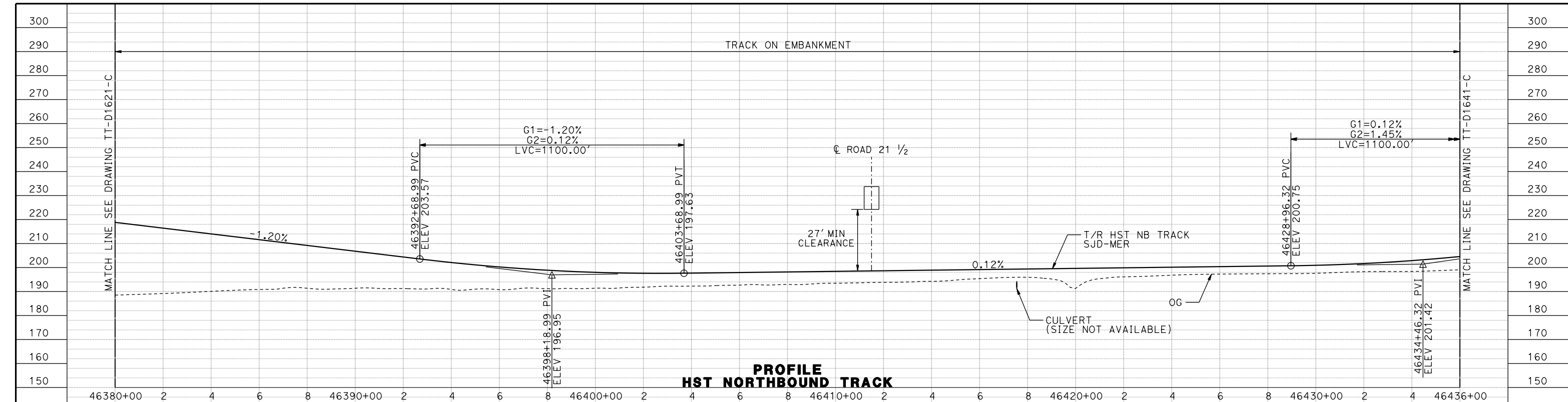
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATE
TRACK PLAN
SJD-MER STA 36380+00 TO 36436+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1630-C

SCALE
AS SHOWN

SHEET NO.



STATION	36380+00	2	4	6	8	36390+00	2	4	6	8	36400+00	2	4	6	8	36410+00	2	4	6	8	36420+00	2	4	6	8	36430+00	2	4	36436+00	TOTAL
EXC																														
EMB																														

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

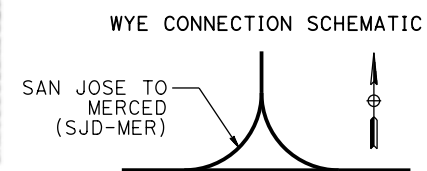
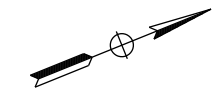


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PROFILE
 SJD-MER STA 36380+00 TO 36436+00

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

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

MADERA COUNTY

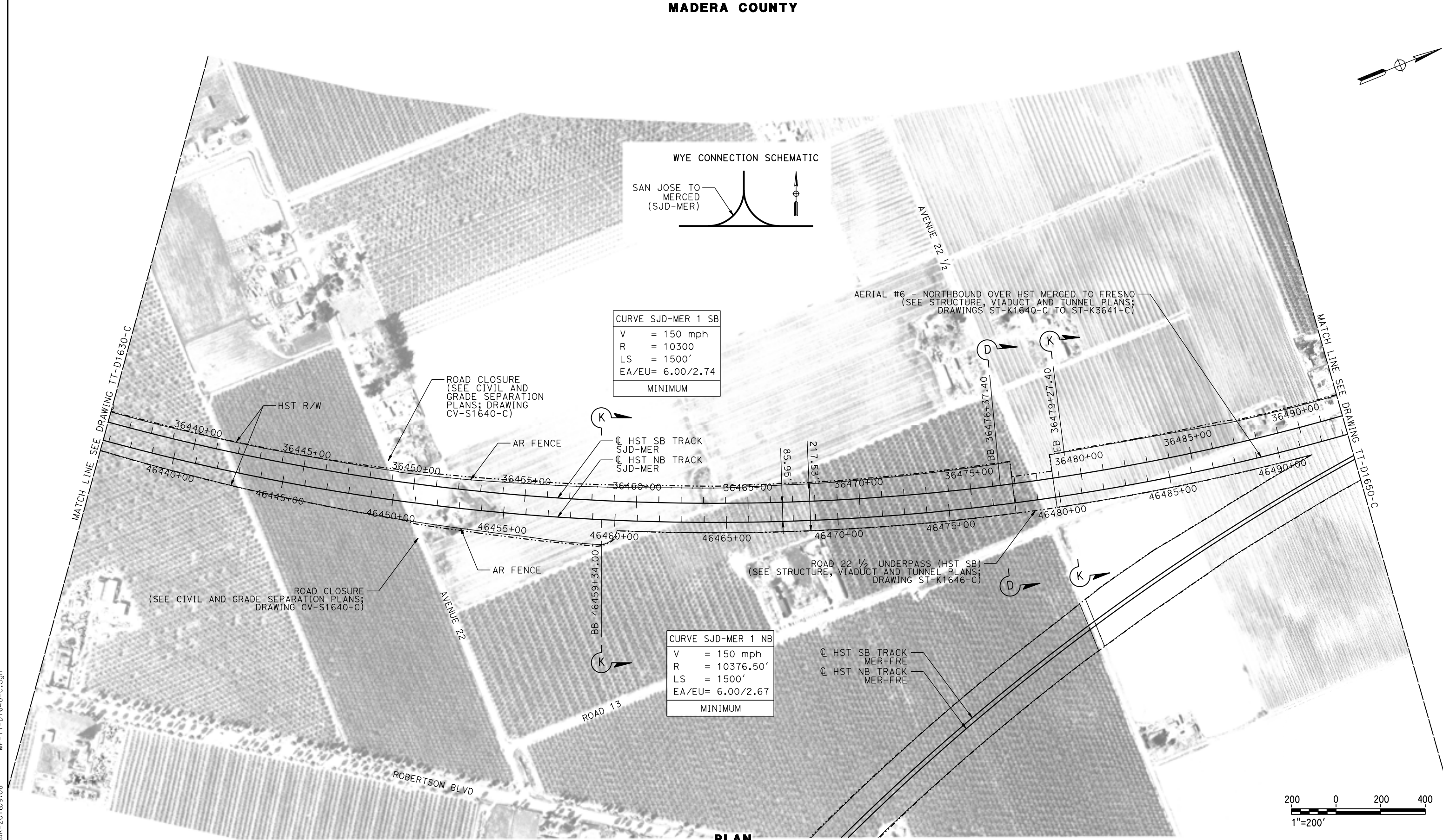


CURVE SJD-MER 1 SB	
V	= 150 mph
R	= 10300
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

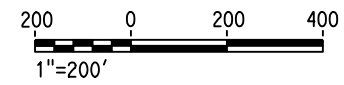
CURVE SJD-MER 1 NB	
V	= 150 mph
R	= 10376.50'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	

AERIAL #6 - NORTHBOUND OVER HST MERGED TO FRESNO
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS;
DRAWINGS ST-K1640-C TO ST-K3641-C)

ROAD 22 1/2 UNDERPASS (HST SB)
(SEE STRUCTURE, VIADUCT AND TUNNEL PLANS;
DRAWING ST-K1646-C)



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

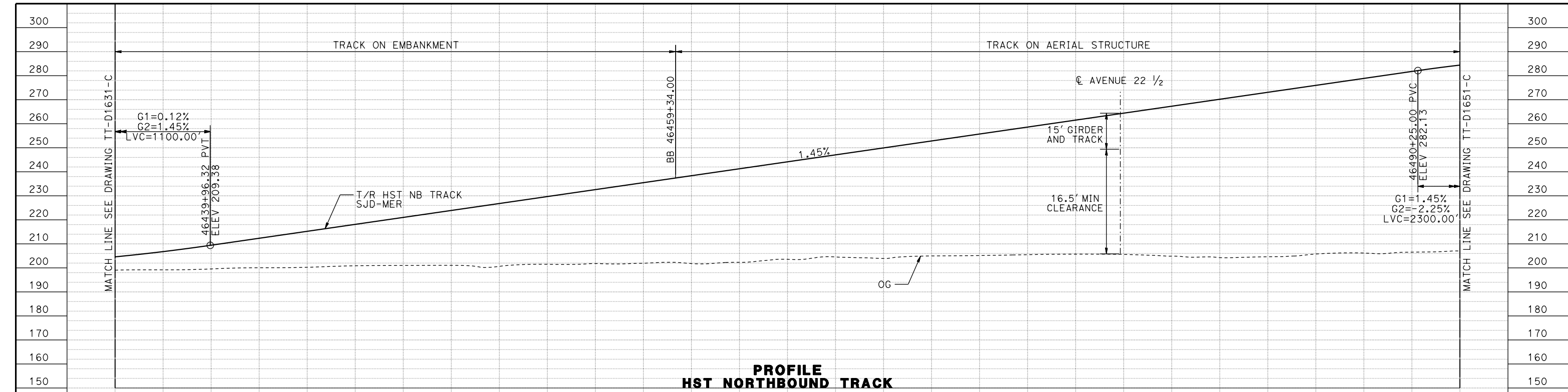
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36436+00 TO 36492+00

CONTRACT NO.
HSR08-05

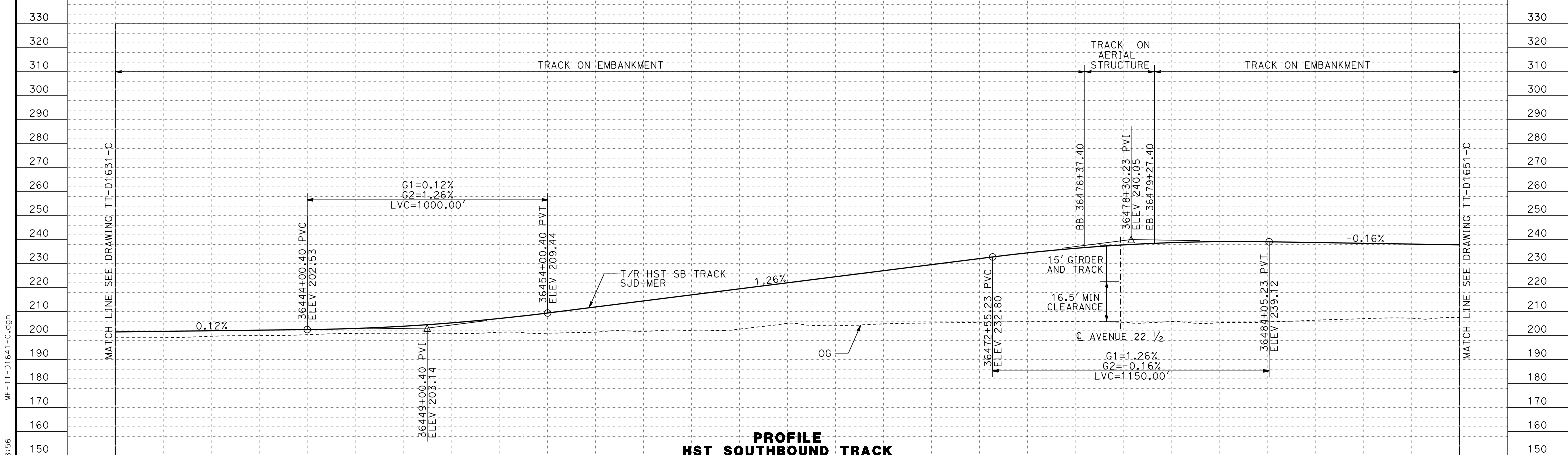
DRAWING NO.
TT-D1640-C

SCALE
AS SHOWN

SHEET NO.



**PROFILE
HST NORTHBOUND TRACK**



**PROFILE
HST SOUTHBOUND TRACK**

STATION	36436+00	8	0	2	4	36446+00	8	0	2	4	36456+00	8	0	2	4	36466+00	8	0	2	4	36476+00	8	0	2	4	36486+00	8	0	36492+00	TOTAL
EXC CY																														
EMB CY																														

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

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

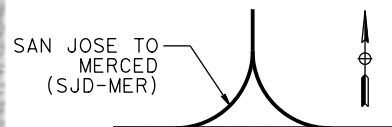
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER 36436+00 TO 36492+00

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

09-MAR-2016 08:56 MF-TT-D1641-C.dgn

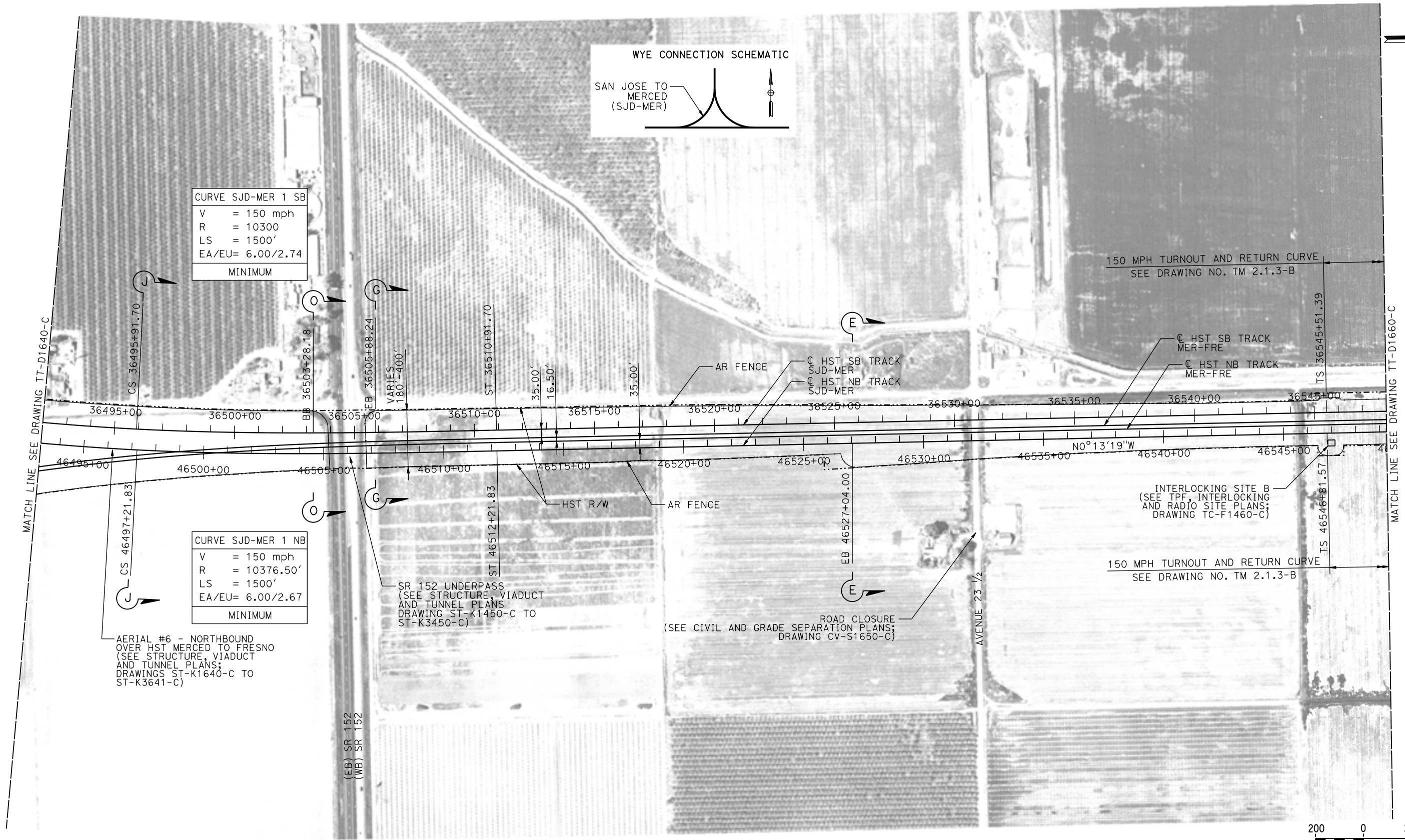
MADERA COUNTY

WYE CONNECTION SCHEMATIC



CURVE SJD-MER 1 SB
 V = 150 mph
 R = 10300
 LS = 1500'
 EA/EU= 6.00/2.74
 MINIMUM

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



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

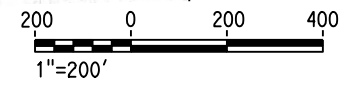
INTERLOCKING SITE B
 (SEE TPF, INTERLOCKING
 AND RADIO SITE PLANS;
 DRAWING TC-F1460-C)

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

AERIAL #6 - NORTHBOUND
 OVER HST MERCED TO FRESNO
 (SEE STRUCTURE, VIADUCT
 AND TUNNEL PLANS;
 DRAWINGS ST-K1640-C TO
 ST-K3641-C)

SR 152 UNDERPASS
 (SEE STRUCTURE, VIADUCT
 AND TUNNEL PLANS
 DRAWING ST-K1450-C TO
 ST-K3450-C)

ROAD CLOSURE
 (SEE CIVIL AND GRADE SEPARATION PLANS;
 DRAWING CV-S1650-C)



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

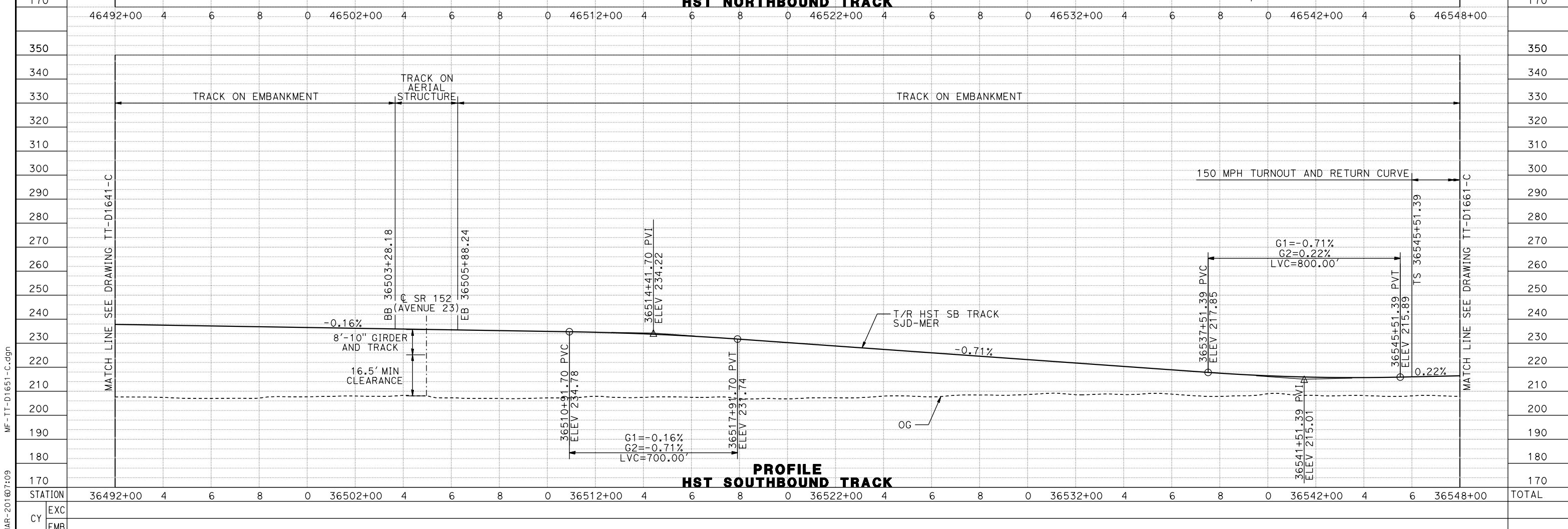
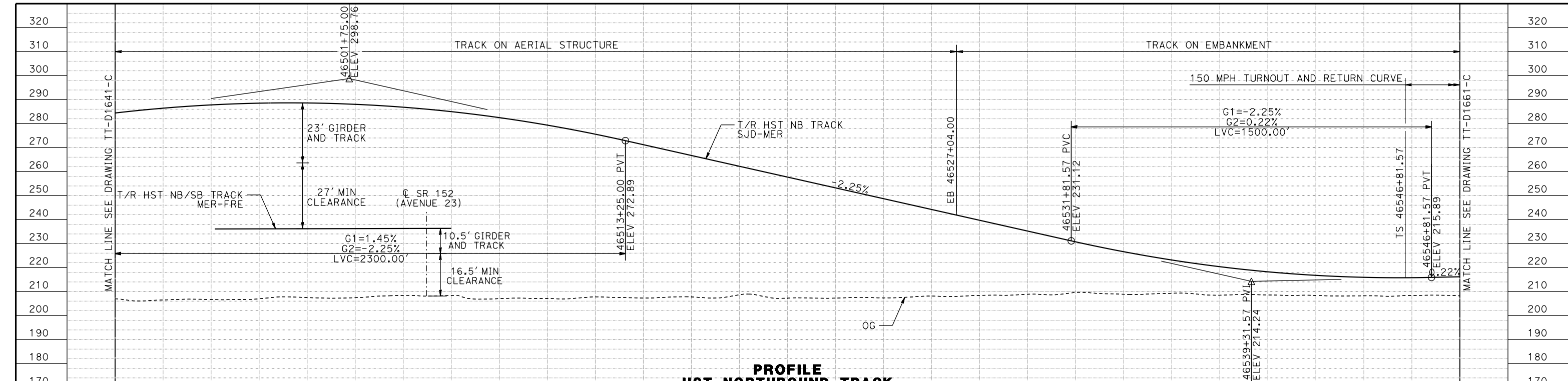
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 TRACK PLAN
 SJD-MER STA 36492+00 TO 36548+00

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



STATION	36492+00	4	6	8	0	36502+00	4	6	8	0	36512+00	4	6	8	0	36522+00	4	6	8	0	36532+00	4	6	8	0	36542+00	4	6	36548+00	TOTAL
EXC																														
EMB																														

12-MAR-2016 10:07:09 MF-TT-D1651-C.dgn

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

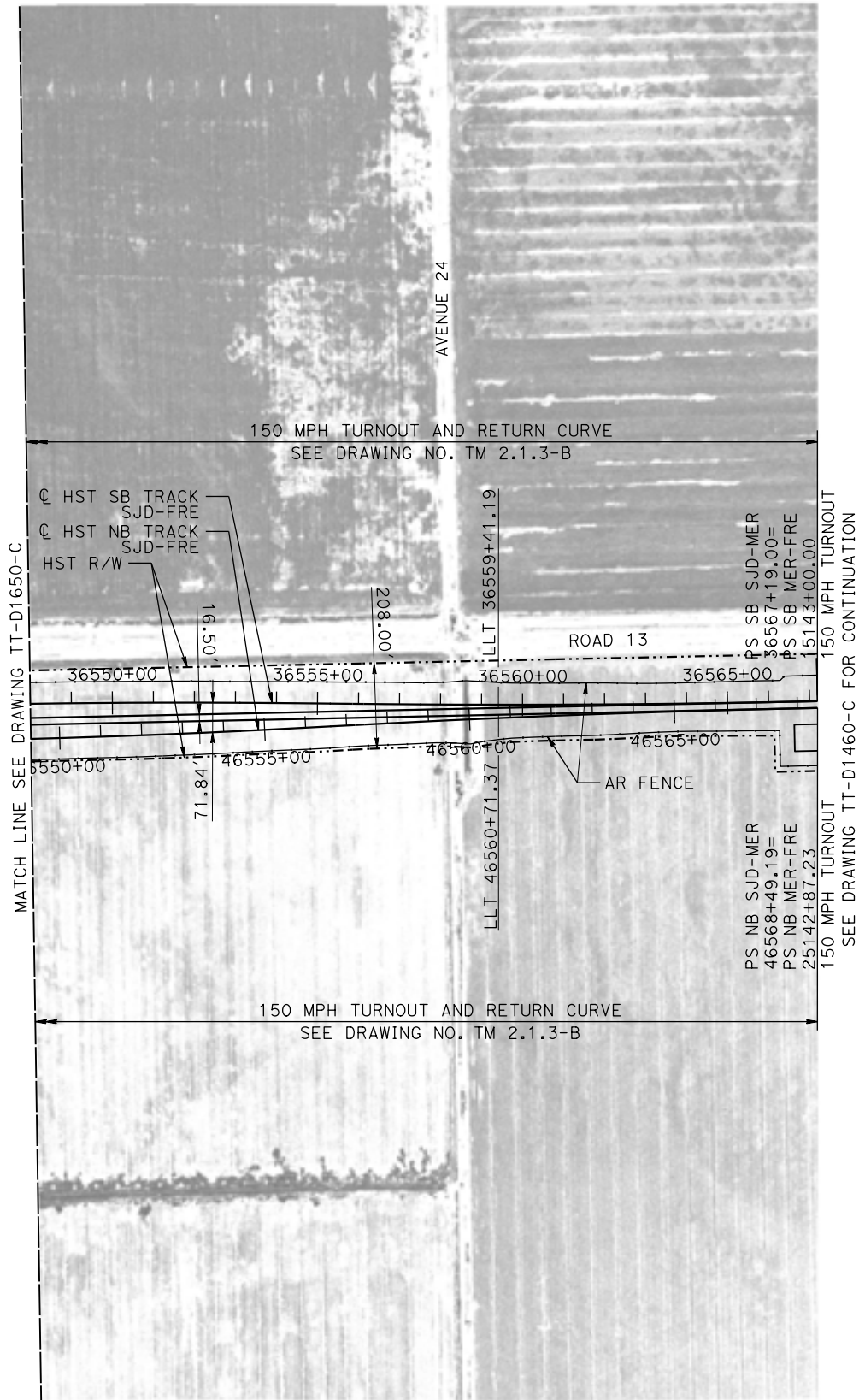
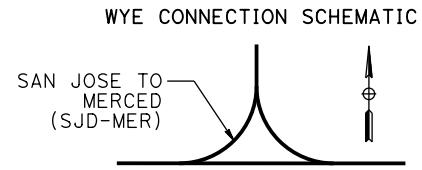
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1651-C

SCALE
AS SHOWN

SHEET NO.

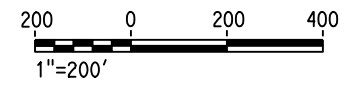
MADERA COUNTY



MATCH LINE SEE DRAWING TT-D1650-C

150 MPH TURNOUT SEE DRAWING TT-D1460-C FOR CONTINUATION

PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
N. OUM

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36548+00 TO 36604+00

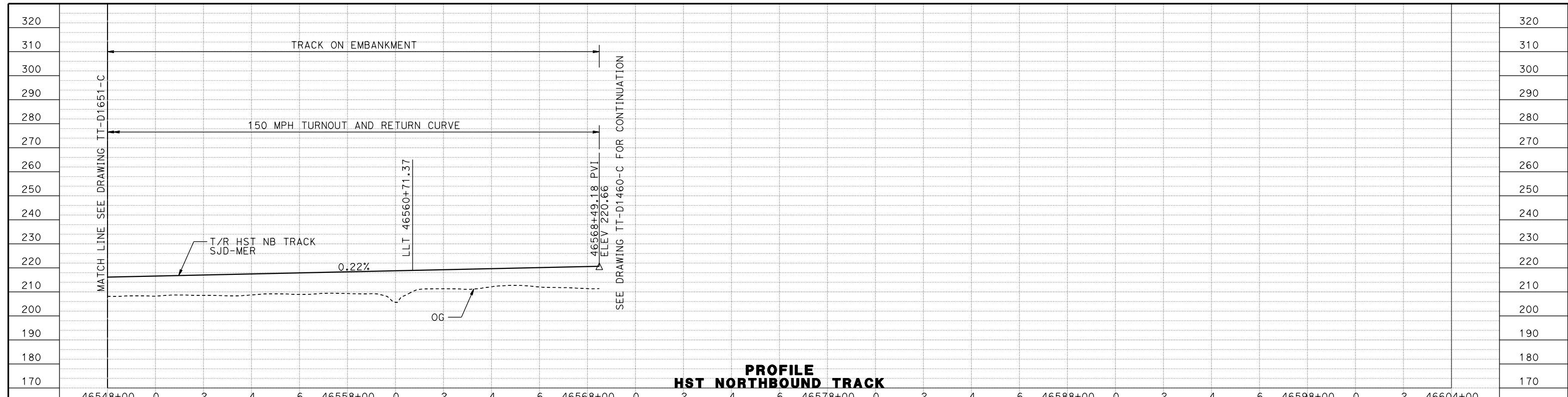
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1660-C

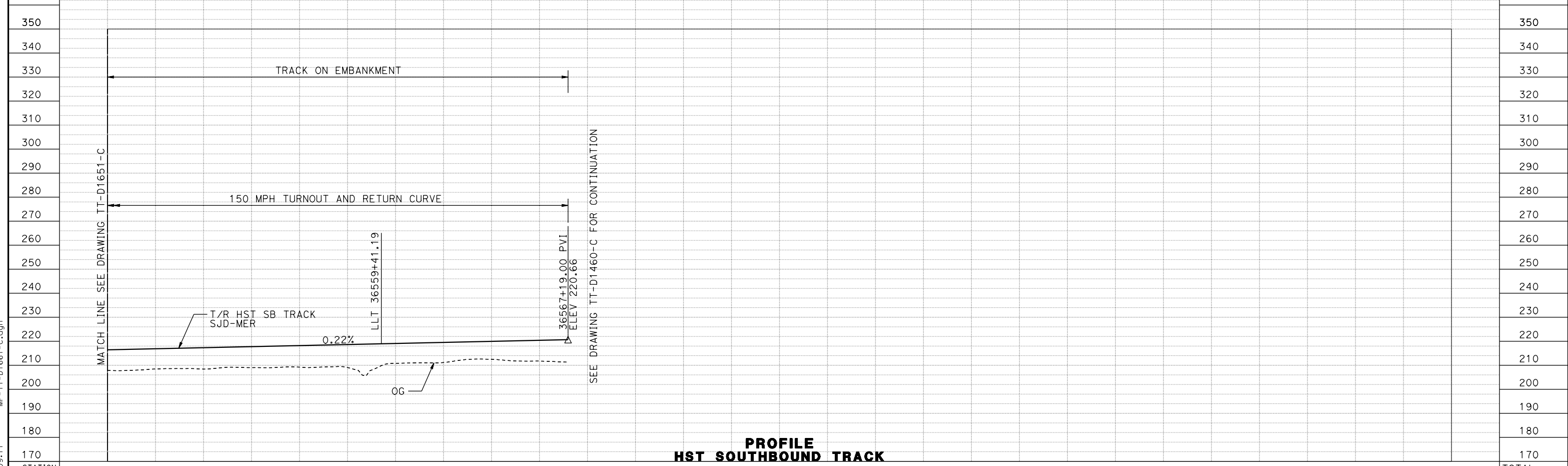
SCALE
AS SHOWN

SHEET NO.

07-MAR-2016 09:11 MF-TT-D1661-C.dgn



**PROFILE
HST NORTHBOUND TRACK**



**PROFILE
HST SOUTHBOUND TRACK**

STATION	36548+00	0	2	4	6	36558+00	0	2	4	6	36568+00	0	2	4	6	36578+00	0	2	4	6	36588+00	0	2	4	6	36598+00	0	2	36604+00	TOTAL
EXC																														
EMB																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
ELVIS C.

IN CHARGE
C. LEMLEY

DATE
03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36548+00 TO 36604+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1661-C

SCALE
AS SHOWN

SHEET NO.