

Merced to Fresno Section: Central Valley Wye

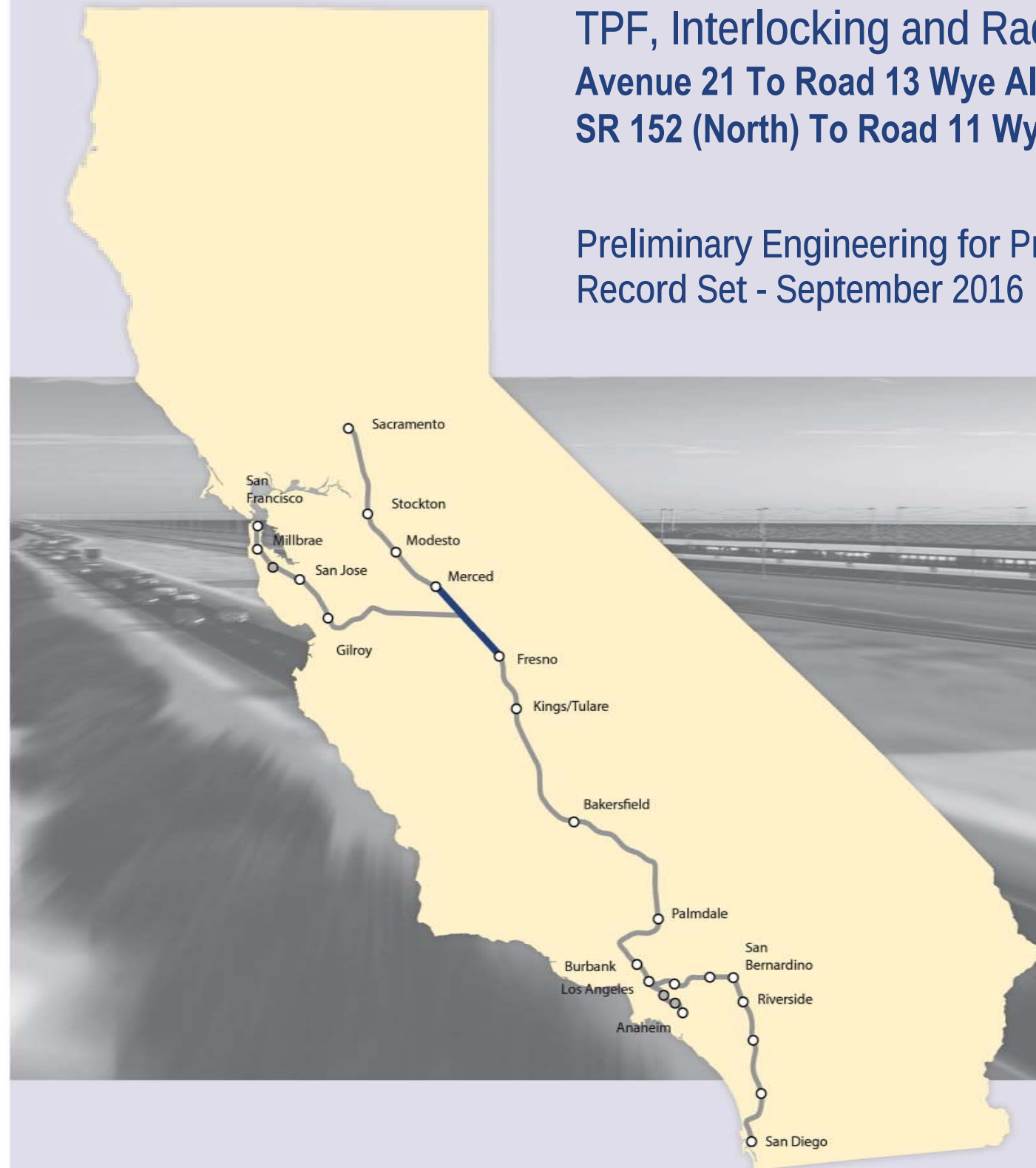
TPF, Interlocking and Radio Site Plans (Book 2 of 2)

Avenue 21 To Road 13 Wye Alternative

SR 152 (North) To Road 11 Wye Alternative

Preliminary Engineering for Project Definition

Record Set - September 2016



16-AUG-2016 04:22 MF-TP-B0002.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
GENERAL				
TP-B0001	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	COVER	
TP-B0002	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	INDEX OF DRAWINGS	SHEET 1 OF 5
TP-B0003	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	INDEX OF DRAWINGS	SHEET 2 OF 5
TP-B0004	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	INDEX OF DRAWINGS	SHEET 3 OF 5
TP-B0005	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	INDEX OF DRAWINGS	SHEET 4 OF 5
TP-B0006	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	INDEX OF DRAWINGS	SHEET 5 OF 5
TP-B0007	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	ABBREVIATIONS	SHEET 1 OF 2
TP-B0008	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	ABBREVIATIONS	SHEET 2 OF 2
TP-B4000	CENTRAL VALLEY WYE	TPF, INTERLOCKING AND RADIO SITE PLANS	LOCATION PLAN	
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE				
TP-B4001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SYSTEMS FACILITIES KEY PLAN	SHEET 1 OF 1
TP-O1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION C4 ALTERNATE SITES 1 & 2
TP-O1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 1
TP-O1091-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 2
TP-O1120-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITES 1 & 2
TP-O1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D2 ALTERNATE SITES 1 & 2
TP-O1200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 1
TP-O1201-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 2
TP-O1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 1
TP-O1241-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 2
TP-O1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITES 1 & 2
TP-O1320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D5 ALTERNATE SITE 1
TP-O1321-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D5 ALTERNATE SITE 2
TP-O1430-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITES 1 & 2
TP-O1480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 1
TP-O1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 2
TP-O1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 1
TP-O1530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 2
TP-O1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITE 1
TP-O1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITE 2
CO-F1010-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2
CO-F1060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2
CO-F1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 6 ALTERNATE SITES 1 & 2
CO-F1130-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 1
CO-F1140-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 2
CO-F1180-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 12 ALTERNATE SITES 1 & 2
CO-F1220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 14 ALTERNATE SITES 1 & 2
CO-F1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 18 ALTERNATE SITE 1
CO-F1261-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 18 ALTERNATE SITE 2
CO-F1440-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 2 ALTERNATE SITES 1 & 2
CO-F1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 5 ALTERNATE SITES 1 & 2
CO-F1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJM 2 ALTERNATE SITES 1 & 2

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY A. GURA
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
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 1 OF 5

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

p0042226 12-AUG-2016 11:36 MF-TP-B0003.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TC-F1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 2
TC-F1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 1
TC-F1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITE 1
TC-F1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITE 2
TC-F1150-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6156+00
TC-F1151-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 6170+00
TC-F1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6190+00
TC-F1170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6246+00
TC-F1171-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6267+00
TC-F1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6584+50
TC-F1231-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6603+00
TC-F1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6666+68 & SITE E @ 6678+50
TC-F1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6690+45
TC-F1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2
TC-F1460-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15226+00
TC-F1461-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 15247+50
TC-F1510-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15535+00
TC-F1511-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 15550+50
TC-F1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15569+00
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE				
TP-B4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SYSTEMS FACILITIES KEY PLAN	SHEET 1 OF 1
TP-O1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION C4 ALTERNATE SITES 1 & 2
TP-O1090-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 1
TP-O1091-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 2
TP-O1130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 1
TP-O1140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 2
TP-O1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D2 ALTERNATE SITES 1 & 2
TP-O1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITES 1 & 2
TP-O1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITES 1 & 2
TP-O1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITES 1 & 2
TP-O1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 1
TP-O1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 2
TP-O1470-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITES 1 & 2
TP-O1510-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITES 1 & 2
TP-O1540-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION E (SANDY MUSH) ALTERNATE SITE 1
TP-O1541-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION E (SANDY MUSH) ALTERNATE SITE 2
TP-O1630-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITES 1 & 2
ME-S1540-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	MECHANICAL FACILITY SITE PLAN	PORTAL VENTILATION SITE @ 15443+00
CO-F1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2
CO-F1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2
CO-F1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 6 ALTERNATE SITE 1
CO-F1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 6 ALTERNATE SITE 2

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

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p0042226 12-AUG-2016 1:36 MF-TP-B0004.dgn

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
CO-F1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 9 ALTERNATE SITES 1 & 2
CO-F1290-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 17 ALTERNATE SITE 1
CO-F1300-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 17 ALTERNATE SITE 2
CO-F1520-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 7 ALTERNATE SITE 1
CO-F1530-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 7 ALTERNATE SITE 2
TC-F1030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 2
TC-F1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 1
TC-F1120-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2
TC-F1200-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6416+00
TC-F1201-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 6430+00
TC-F1202-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6449+00
TC-F1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6570+00
TC-F1231-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6591+65
TC-F1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2
TC-F1270-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6846+80
TC-F1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6868+50
TC-F1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 7066+00
TC-F1320-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E ALT 1 @ 7075+50 & ALT 2 @ 7079+50
TC-F1321-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 7099+00
TC-F1430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D4 ALTERNATE SITE 1
TC-F1431-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D4 ALTERNATE SITE 2
TC-F1450-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 14958+30
TC-F1451-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 14980+00
TC-F1490-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15180+00
TC-F1491-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 15197+00
TC-F1500-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15221+00
TC-F1560-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D5 ALTERNATE SITE 1
TC-F1570-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D5 ALTERNATE SITE 2
TC-F1640-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D6 ALTERNATE SITES 1 & 2
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE				
TP-B4001-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SYSTEMS FACILITIES KEY PLAN	SHEET 1 OF 1
TP-O1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION C4 ALTERNATE SITES 1 & 2
TP-O1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITES 1 & 2
TP-O1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 1
TP-O1130-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 2
TP-O1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D2 ALTERNATE SITE 1
TP-O1161-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D2 ALTERNATE SITE 2
TP-O1210-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITES 1 & 2
TP-O1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 1
TP-O1261-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 2
TP-O1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITE 1
TP-O1311-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITE 2
TP-O1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 1

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY A. GURA
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
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 3 OF 5

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

						DESIGNED BY K. MA	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE TPF, INTERLOCKING AND RADIO SITE PLANS INDEX OF DRAWINGS SHEET 4 OF 5	CONTRACT NO. HSR08-05
						DRAWN BY B. MCINNIS					DRAWING NO. TP-B0005
						CHECKED BY ECASTELINO					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 08/12/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

p0042226 12-AUG-2016 01:06 MF-TP-B0006.dgn

INDEX OF DRAWINGS					
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION	
TP-O1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 1	
TP-O1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 2	
TP-O1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITES 1 & 2	
CO-F1010-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2	
CO-F1060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2	
CO-F1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 1	
CO-F1111-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 2	
CO-F1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 11 ALTERNATE SITES 1 & 2	
CO-F1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 13 ALTERNATE SITES 1 & 2	
CO-F1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 17 ALTERNATE SITES 1 & 2	
CO-F1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 20 ALTERNATE SITE 1	
CO-F1311-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 20 ALTERNATE SITE 2	
CO-F1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 2 ALTERNATE SITES 1 & 2	
CO-F1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 6 ALTERNATE SITE 1	
CO-F1500-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 6 ALTERNATE SITE 2	
TC-F1030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 2	
TC-F1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITE 1	
TC-F1090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2	
TC-F1140-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6083+15	
TC-F1141-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 6099+00	
TC-F1142-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6114+14	
TC-F1150-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6128+15	
TC-F1151-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6156+00	
TC-F1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6455+00	
TC-F1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6477+00	
TC-F1211-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6494+00 & SITE E @ 6503+00	
TC-F1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6524+00	
TC-F1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2	
TC-F1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15294+00	
TC-F1461-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 15317+00	
TC-F1470-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15344+15	
TC-F1471-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 15360+00	
TC-F1472-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15374+15	
TC-F1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY B. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 5 OF 5

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

15-AUG-2016 17:49

MF-TP-B0007.dgn

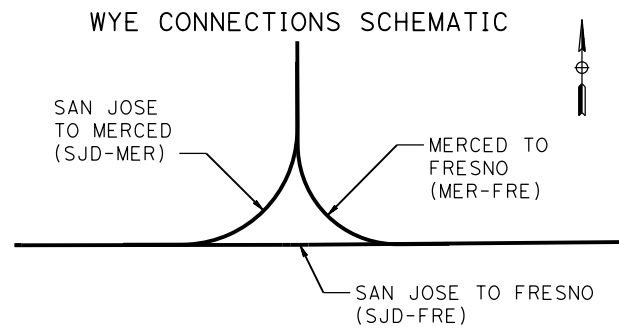
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A					C					D CONTINUED					F CONTINUED					J CONTINUED				
AB	AGGREGATE BASE				CAA	CABLE ANCHOR ASSEMBLY				DET	DETAIL, DETOUR				FNTB	FACING NORTHBOUND TRAFFIC				JS	JUNCTION STRUCTURE			
ABBC	ASBESTOS BONDED BITUMINOUS COATED				CAP	CORRUGATED ALUMINUM PIPE				DF	DOUGLAS FIR, DIRECT FIXATION				FOB	FREE ON BOARD				JT	JOINT			
ABM	AIR-BLOWN MORTAR				CAPA	CORRUGATED ALUMINUM PIPE ARCH				DI	DRAINAGE INLET, DROP INLET				FOC	FACE OF CONCRETE				L				
ABN	ABANDON				CAS	CONSTRUCTION AREA SIGN				DIA	DIAMETER				FR RD	FRONTAGE ROAD				L				
ABUT	ABUTMENT				CB	CONCRETE BARRIER				DIAPH	DIAPHRAGM				FRE	FRESNO				L	LENGTH			
AC	ASPHALT CONCRETE				CBW	CONCRETE BLOCK WALL				DIST	DISTANCE, DISTRICT				FS	FAR SIDE, FINISHED SURFACE				LAT	LATITUDE			
ACB	ASPHALT CONCRETE BASE				C-C	CENTER TO CENTER				DMBB	DOUBLE METAL BEAM BARRIER				FSBT	FACING SOUTHBOUND TRAFFIC				LCB	LEAN CONCRETE BASE			
ACP	ASBESTOS CEMENT PIPE				CHSRA	CALIFORNIA HIGH-SPEED RAIL				DR	DRIVE				FTG	FOOTING				LLT	LAST LONG TIE			
ADL	ADDED DEAD LOAD					AUTHORITY (SEE AUTHORITY)				DTBB	DOUBLE THRIE BEAM BARRIER				FWBT	FACING WESTBOUND TRAFFIC				LN	LANE			
ADJ	ADJUST				CHSR	CALIFORNIA HIGH-SPEED RAIL				DWY	DRIVEWAY				FWY	FREEWAY				LOC	LOCATION			
AFES	ALTERNATIVE FLARED END SECTION				CHST	CALIFORNIA HIGH-SPEED TRAIN				E					G					LOL	LAYOUT LINE			
AHD	AHEAD				CG	CENTER OF GRAVITY				E	EAST				G	GRADE, ACCELERATION DUE TO				LONG	LONGITUDE			
ALT	ALTERNATE				CHNL	CHANNEL				EA	ACTUAL SUPERELEVATION					GRAVITY				LONGIT	LONGITUDINAL			
AM	TIME FROM MIDNIGHT TO NOON				CI	CAST IRON				EASE	EASEMENT				GA	GAGE				LS	LUMP SUM, LENGTH OF SPIRAL			
AP	ALTERNATIVE PIPE				CIDH	CAST-IN-DRILLED-HOLE				EB	END OF BRIDGE, EASTBOUND				GALV	GALVANIZED				LT	LEFT			
APC	ALTERNATIVE PIPE CULVERT				CIP	CAST-IN-PLACE, CAST IRON PIPE				EC	END HORIZONTAL CURVE				GP	GRADING PLANE				LVC	LENGTH OF VERTICAL CURVE			
APPROX	APPROXIMATE				CIPCP	CAST-IN-PLACE CONCRETE PIPE				ED	END CURB RETURN				GR	GUARD RAILING				M				
APU	ALTERNATIVE PIPE UNDERDRAIN				CISS	CAST-IN-STEEL SHELL				EDC	EDGE DRAIN				GRDR	GIRDER				MAINT	MAINTENANCE			
AR	ACCESS RESTRICTION				CJP	COMPLETE JOINT PENETRATION				EDO	EDGE DRAIN CLEANOUT				GSP	GALVANIZED STEEL PIPE				MAX	MAXIMUM			
ARS	ACCELERATION RESPONSE SPECTRUM				CL	CHAIN LINK, CLASS				EDV	EDGE DRAIN OUTLET				GTR	GUTTER				MB	METAL BEAM			
AS	AGGREGATE SUBBASE				CL-6	CHAIN LINK FENCE (6 FT)				ELEC	ELECTROLIER				H					MBB	METAL BEAM BARRIER			
ASRP	ALUMINUM SPIRAL RIB PIPE				CLR	CLEAR, CLEARANCE				ELECT	ELECTRIC				H	HEIGHT				MBGR	METAL BEAM GUARD RAILING			
ASSY	ASSEMBLY				CM	CORRUGATED METAL				ELEV	ELEVATION				H, HR	HOUR				MED	MEDIAN			
ATC	AUTOMATIC TRAIN CONTROL				CMP	CORRUGATED METAL PIPE				EMB	EMBANKMENT				HD	HORIZONTAL DRAIN				MER	MERCED			
ATPB	ASPHALT TREATED PERMEABLE BASE				COL	COLUMN				ENGR	ENGINEER				HDWL	HEADWALL				MF	MERCED TO FRESNO			
ATPM	ASPHALT TREATED PERMEABLE MATERIAL				CONC	CONCRETE				EOD	EDGE OF DECK				HEX HD	HEXAGONAL HEAD				MH	MANHOLE			
AUTHORITY	CALIFORNIA HIGH-SPEED RAIL AUTHORITY				COND	CONDUIT				EP	EDGE OF PAVEMENT				HMA	HOT MIXED ASPHALT				MIN	MINIMUM			
AVE	AVENUE				CONN	CONNECTOR				EQ	EQUATION				HORIZ	HORIZONTAL				MISC	MISCELLANEOUS			
AVG	AVERAGE				CONST	CONSTRUCT, CONSTRUCTION				ES	EDGE OF SHOULDER				HP	HINGE POINT, HORSEPOWER				MISC I & S	MISCELLANEOUS IRON AND STEEL			
@	AT				CONT	CONTINUOUS				ET	END TUNNEL				HPS	HIGH PERFORMANCE STEEL				MKR	MARKER			
B					COORD	COORDINATE				ETW	EDGE OF TRAVELED WAY				HS	HIGH STRENGTH				MOD	MODIFIED, MODIFY			
BAGR	BRIDGE APPROACH GUARD RAILING				CP	CANDLEPOWER				EU	UNBALANCED SUPERELEVATION				HSR	HIGH-SPEED RAIL				MON	MONUMENT			
BB	BEGINNING OF BRIDGE				CP1	CONSTRUCTION PACKAGE 1				EVC	END VERTICAL CURVE				HST	HIGH-SPEED TRAIN				MOW	MAINTENANCE-OF-WAY FACILITY			
B-B	BACK-TO-BACK				CR	CREEK				EW	ENDWALL				HW	HEADWALL,				MP	METAL PLATE			
BC	BEGIN HORIZONTAL CURVE				CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT				EXC	EXCAVATION					100-YR HIGH WATER (UNLESS NOTED				MPGR	METAL PLATE GUARD RAILING			
BCR	BEGIN CURB RETURN				CRSP	CONCRETED ROCK SLOPE PROTECTION				EXIST, (E)	EXISTING					OTHERWISE)				MPH	MILES PER HOUR			
BEG	BEGIN				CRZ	CLEAR RECOVERY ZONE				EXP	EXPANSION, EXPRESSWAY				HWM	HIGH WATER MARK				MR	MOVEMENT RATING			
BIT CTD	BITUMINOUS COATED				CS	CURVE SPIRAL POINT				EXP JT	EXPANSION JOINT				HWY	HIGHWAY				MSE	MECHANICALLY STABILIZED EARTH			
BK	BACK				CSP	CORRUGATED STEEL PIPE				EXT	EXTERIOR									MTL	MATERIAL			
BKF	BACKFILL				CSPA	CORRUGATED STEEL PIPE ARCH				F					I					N				
BLDG	BUILDING				CTB	CEMENT TREATED BASE				F & C	FRAME AND COVER				IB	IMPORTED BORROW				N	NORTH			
BLM	BRIDGE-LOG MILE				CTPB	CEMENT TREATED PERMEABLE BASE				F & G	FRAME AND GRATE				ID	INSIDE DIAMETER				NB	NORTHBOUND			
BLVD	BOULEVARD				CTPM	CEMENT TREATED PERMEABLE MATERIAL				FB	FLOOR BEAM				IF	INSIDE FACE				NC	NORMAL CROWN			
BM	BENCH MARK				CTRS	CENTERS				FDN	FOUNDATION				INT	INTERIOR				NIC	NOT IN CONTRACT			
BOT	BOTTOM				CULV	CULVERT				FEBT	FACING EASTBOUND TRAFFIC				INV	INVERT				NO.	NUMBER (MUST HAVE PERIOD)			
BNSF	BNSF RAILWAY				℄	CENTERLINE				FES	FLARED END SECTION				IRR	IRRIGATION				NOS.	NUMBERS (MUST HAVE PERIOD)			
BR	BRIDGE				D					IS	INTERLOCKING SITE					J				NPS	NOMINAL PIPE SIZE			
BRG	BEARING									FF	FILTER FABRIC									NS	NEAR SIDE			
BT	BEGIN TUNNEL				D	DEPTH				FG	FINISHED GRADE				JCT	JUNCTION				NTS	NOT TO SCALE			
BTU	BRITISH THERMAL UNIT				DD	DOWNDRAIN				FH	FIRE HYDRANT				JP	JOINT POLE				O				
BVC	BEGIN VERTICAL CURVE				DBL	DOUBLE				FIG	FIGURE				JPCP	JOINTED PLAIN CONCRETE PAVEMENT				OBLR	OBLITERATE			
BW	BARBED WIRE				DEG	DEGREE				FL	FLOW LINE													
					DEL	DELINEATOR																		

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O CONTINUED					P CONTINUED					S CONTINUED					T CONTINUED				
OC	OVERCROSSING				PVI	POINT OF VERTICAL INTERSECTION				SJM	SAN JOSE TO MERCED				TS	TRANSVERSE, TRAFFIC SIGNAL,			
OCS	OVERHEAD CONTACT SYSTEM				PVMT	PAVEMENT				SJV	SAN JOAQUIN VALLEY					TUBULAR STEEL, TANGENT SPIRAL POINT			
OD	OUTSIDE DIAMETER				PVT	POINT OF VERTICAL TANGENT				S	STATION LINE				TYP	TYPICAL			
OF	OUTSIDE FACE									SM	SELECTED MATERIAL								
OG	ORIGINAL GROUND									SPEC	SPECIAL, SPECIFICATIONS								
OGAC	OPEN GRADED ASPHALT CONCRETE				QTY	QUANTITY				SPP	SLOTTED PLASTIC PIPE				UC	UNDERCROSSING			
OH	OVERHEAD									SR	STATE ROUTE				UD	UNDERDRAIN			
O-O	OUT TO OUT									SRS	STANDALONE RADIO SITE				UON	UNLESS OTHERWISE NOTED			
OPP	OPPOSITE				R	RADIUS				SS	SLOPE STAKE, SUBSTATION				UP	UNDERPASS			
					R & D	REMOVE AND DISPOSE				SSBM	STRAP AND SADDLE BRACKET METHOD				UPRR	UNION PACIFIC RAILROAD			
					R & S	REMOVE AND SALVAGE				SSD	STRUCTURAL SECTION DRAIN				UXO	UNIVERSAL CROSSOVER			
P	PAGE				R/C	RATE OF CHANGE				SSPA	STRUCTURAL STEEL PLATE ARCH								
PAP	PERFORATED ALUMINUM PIPE				RCA	REINFORCED CONCRETE ARCH				SSPP	STRUCTURAL STEEL PLATE PIPE								
PB	PULL BOX, PHASE BREAK				RCB	REINFORCED CONCRETE BOX				SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH				V	DESIGN SPEED, VALVE			
PC	POINT OF CURVATURE, PRECAST				RCP	REINFORCED CONCRETE PIPE				SSRP	STEEL SPIRAL RIB PIPE				VAR	VARIABLE			
PCC	POINT OF COMPOUND CURVE,				RCPA	REINFORCED CONCRETE PIPE ARCH				ST	STREET, SPIRAL TANGENT POINT				VC	VERTICAL CURVE			
	PORTLAND CEMENT CONCRETE				RD	ROAD				STA	STATION				VCP	VITRIFIED CLAY PIPE			
PCP	PERFORATED CONCRETE PIPE,				REINF	REINFORCED, REINFORCEMENT,				STBB	SINGLE THRIE BEAM BARRIER				VERT	VERTICAL			
	PRESTRESSED CONCRETE PIPE					REINFORCING				STD	STANDARD				VIA	VIADUCT			
PCVC	POINT OF COMPOUND VERTICAL CURVE				REL	RELOCATE				STR	STRUCTURE				VOL	VOLUME			
PED	PEDESTRIAN				REPL	REPLACEMENT				SURF	SURFACING								
PED OC	PEDESTRIAN OVERCROSSING				RET	RETAINING				SW	SIDEWALK, SOUND WALL								
PED UC	PEDESTRIAN UNDERCROSSING				REV	REVISED				SWR	SEWER				W	WEST, WIDTH			
PERM MTL	PERMEABLE MATERIAL				RDWY	ROADWAY				SWS	SWITCHING STATION				WB	WESTBOUND			
PG	PROFILE GRADE				RM	ROAD-MIXED				SYM	SYMMETRICAL				WCB	WORLD COORDINATE BEARING			
PG&E	PACIFIC GAS AND ELECTRIC				RP	RADIUS POINT,				S4S	SURFACE 4 SIDES				WH	WEEP HOLE			
PI	POINT OF INTERSECTION					REFERENCE POINT									WM	WIRE MESH			
PITO	POINT OF INTERSECTION TURNOUT				RR	RAILROAD									WS	WATER SURFACE			
PJP	PARTIAL JOINT PENETRATION				RSP	ROCK SLOPE PROTECTION				T	SEMI-TANGENT				WSP	WELDED STEEL PIPE			
PL, PL	PLATE				RT	RIGHT				TAB	TABLET				WT	WEIGHT			
P/L	PROPERTY LINE				RTE	ROUTE				TAN	TANGENT				WV	WATER VALVE			
PM	POST MILE,				RW	REDWOOD,				TBB	THRIE BEAM BARRIER				WW	WINGWALL			
	TIME FROM NOON TO MIDNIGHT					RETAINING WALL				TBD	TO BE DETERMINED				WWLOL	WINGWALL LAYOUT LINE			
PN	PAVING NOTCH				R/W	RIGHT-OF-WAY				TBR	TIMBER								
POB	POINT OF BEGINNING				RWY	RAILWAY				TC	TOP OF CURB, TRAIN CONTROL								
POC	POINT OF HORIZONTAL CURVE									TCB	TRAFFIC CONTROL BOX				X SEC	CROSS SECTION			
POE	POINT OF END									TCE	TEMPORARY CONSTRUCTION EASEMENT				XING	CROSSING			
POT	POINT OF TANGENT				S	SOUTH, SUPPLEMENT				TEL	TELEPHONE				XO	CROSSOVER			
POVC	POINT OF VERTICAL CURVE				SAE	STRUCTURE APPROACH EMBANKMENT				TEMP	TEMPORARY								
PP	PIPE PILE, PLASTIC PIPE,				SALV	SALVAGE				TG	TOP OF GRADE								
	POWER POLE				SAPP	STRUCTURAL ALUMINUM PLATE PIPE				TM	TECHNICAL MEMORANDUM				YR	YEAR			
PPL	PREFORMED PERMEABLE LINER				SB	SOUTHBOUND				TO	TURNOUT				YRS	YEARS			
PPP	PERFORATED PLASTIC PIPE				SC	SAND CUSHION, SPIRAL CURVE POINT				TOT	TOTAL								
PRC	POINT OF REVERSE CURVE				SCSP	SLOTTED CORRUGATED STEEL PIPE				TP	TELEPHONE POLE								
PRF	PAVEMENT REINFORCING FABRIC				SD	STORM DRAIN				TPB	TREATED PERMEABLE BASE								
PRVC	POINT OF REVERSE VERTICAL CURVE				SEC	SECOND, SECTION				TPF	TRACTION POWER FACILITY								
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES				SEP	SEPARATION				TPM	TREATED PERMEABLE MATERIAL								
PS, P/S	POINT OF SWITCH, PRESTRESSED,				SG	SUBGRADE				TPSS	TRACTION POWER SUBSTATION								
	PARALLELING STATION				SHLD	SHOULDER				T/R	TOP OF RAIL								
PSP	PERFORATED STEEL PIPE				SHT	SHEET				TRANS	TRANSITION								
PT	POINT OF TANGENCY				SIM	SIMILAR				TRK	TRACK								
PVC	POLYVINYL CHLORIDE,				SJD	SAN JOSE DIRIDON STATION													
	POINT OF VERTICAL CURVE																		

						DESIGNED BY C. LEMLEY	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE TPF, INTERLOCKING AND RADIO SITE PLANS ABBREVIATIONS SHEET 2 OF 2	CONTRACT NO. HSR08-05
						DRAWN BY J. KIDWELL					DRAWING NO. TP-B0008
						CHECKED BY A. M.					SCALE NO SCALE
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 08/12/2016					



TO SAN JOSE

TO SACRAMENTO

TO FRESNO

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

15-AUG-2016 4:56 MF-TP-B4000.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
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NOT FOR
CONSTRUCTION



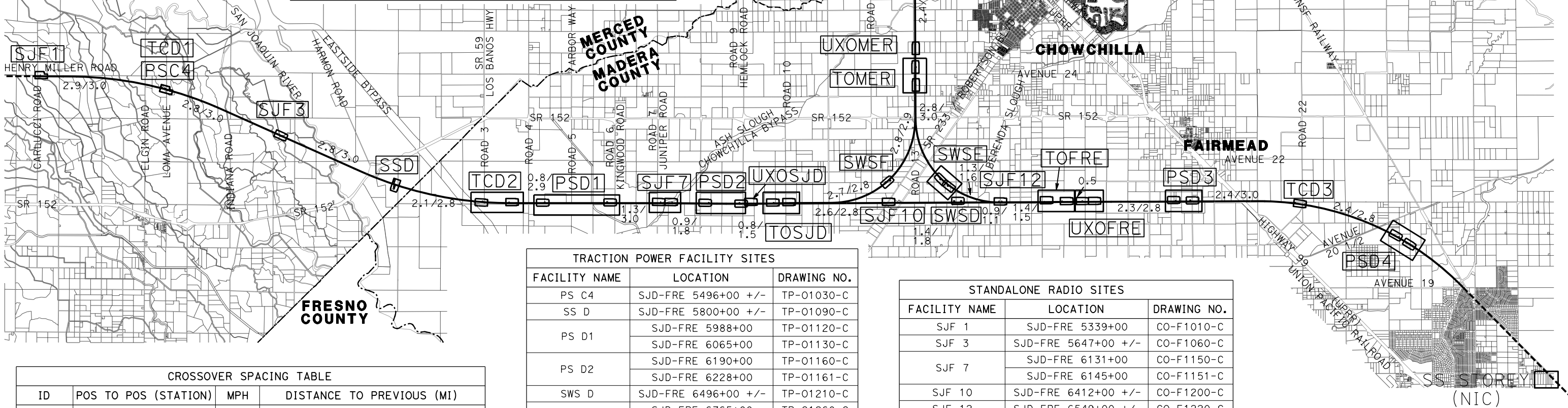
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
LOCATION PLAN

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

LEGEND:

PSC4	FACILITY (SEE TABLES)
2.4/2.9	MIN/MAX SPACING IN MILES BETWEEN FACILITIES
FRE	FRESNO
IS	INTERLOCKING SITE
MER	MERCED
NIC	NOT IN CONTRACT
PS	PARALLELING STATION, POINT OF SWITCH
SJD	SAN JOSE DIRIDON
SJV	SAN JOAQUIN VALLEY
SRS	STANDALONE RADIO SITE
SS	SUBSTATION
SWS	SWITCHING STATION
TC	TRAIN CONTROL
TO	TURNOUT
TPF	TRACTION POWER FACILITY
UXO	UNIVERSAL CROSSOVER

INTERLOCKING FACILITY SITES			
ID	FACILITY NAME	LOCATION	DRAWING NO.
TCD1	TC D1	SJD-FRE 5496+00 +/-	TC-F1030-C
	TC D2	SJD-FRE 5911+50	TC-F1110-C
TCD2	TC D2	SJD-FRE 5944+25	TC-F1111-C
	IS B	SJD-FRE 6242+00	TC-F1170-C
UXO SJD	IS AA	SJD-FRE 6270+00	TC-F1171-C
	IS B	SJD-FRE 6290+00	TC-F1172-C
TO SJD	IS B	SJD-FRE 6603+50	TC-F1230-C
	IS AA	SJD-FRE 6625+00	TC-F1240-C
TO FRE	IS B	SJD-FRE 6631+61	TC-F1240-C
	IS E	SJD-FRE 6650+00	TC-F1241-C
UXO FRE	IS B	SJD-FRE 6664+40	TC-F1242-C
	IS B	SJD-FRE 6664+40	TC-F1242-C
TCD3	TC D3	SJD-FRE 6918+00 +/-	TC-F1290-C
TO MER	IS B	MER-FRE 15121+50	TC-F1460-C
	IS AA	MER-FRE 15143+00	TC-F1461-C
UXO MER	IS B	MER-FRE 15170+73	TC-F1462-C
TCD4	TC D4	MER-FRE 15175+00 ±	TC-F1520-C

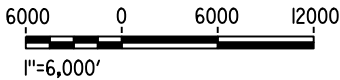


CROSSOVER SPACING TABLE			
ID	POS TO POS (STATION)	MPH	DISTANCE TO PREVIOUS (MI)
UXO SJV	5114+03 TO 5156+81	110	NIC
UXO SJD	6242+09 TO 6267+80	110	20.55 (UXO SJV)
UXO FRE	6631+61 TO 6664+40	110	6.89 (UXO SJD) & 5.92 (UXO MER)
UXO MER	15146+30 TO 15170+73	110	5.73 (UXO SJD) & 5.92 (UXO FRE)

WYE TURNOUT SPACING TABLE			
ID	POS (STATION)	MPH	DISTANCE TO NEAREST XO/UXO (MI)
TO SJD	SJD-FRE 6270+00	150	0.04 (UXO SJD)
TO FRE	SJD-FRE 6625+00	150	0.13 (UXO FRE)
TO MER	MER-FRE 15143+00	150	0.06 (UXO MER)

TRACTION POWER FACILITY SITES		
FACILITY NAME	LOCATION	DRAWING NO.
PS C4	SJD-FRE 5496+00 +/-	TP-01030-C
SS D	SJD-FRE 5800+00 +/-	TP-01090-C
	SJD-FRE 5988+00	TP-01120-C
PS D1	SJD-FRE 6065+00	TP-01130-C
	SJD-FRE 6190+00	TP-01160-C
PS D2	SJD-FRE 6228+00	TP-01161-C
	SJD-FRE 6496+00 +/-	TP-01210-C
SWS D	SJD-FRE 6765+00	TP-01260-C
	SJD-FRE 6783+00	TP-01261-C
PS D3	SJD-FRE 7047+00	TP-01310-C
	SJD-FRE 7059+00	TP-01311-C
SWS E	MER-FRE 14985+00	TP-01430-C
	MER-FRE 14997+00	TP-01431-C
PS E1	MER-FRE 15270+00	TP-01480-C
	MER-FRE 15282+00	TP-01481-C
PS E2	MER-FRE 15565+00	TP-01530-C
	MER-FRE 15585+00	TP-01540-C
SWS F	SJD-MER 36417+00 +/-	TP-01630-C

STANDALONE RADIO SITES		
FACILITY NAME	LOCATION	DRAWING NO.
SJF 1	SJD-FRE 5339+00	CO-F1010-C
SJF 3	SJD-FRE 5647+00 +/-	CO-F1060-C
SJF 7	SJD-FRE 6131+00	CO-F1150-C
	SJD-FRE 6145+00	CO-F1151-C
SJF 10	SJD-FRE 6412+00 +/-	CO-F1200-C
SJF 12	SJD-FRE 6549+00 +/-	CO-F1220-C
MF 4	MER-FRE 15378+00	CO-F1500-C
	MER-FRE 15394+00	CO-F1501-C



07-MAR-2016 2:44 MF-TP-B4001-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY J. CASTILLO
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN
SUBMITTAL

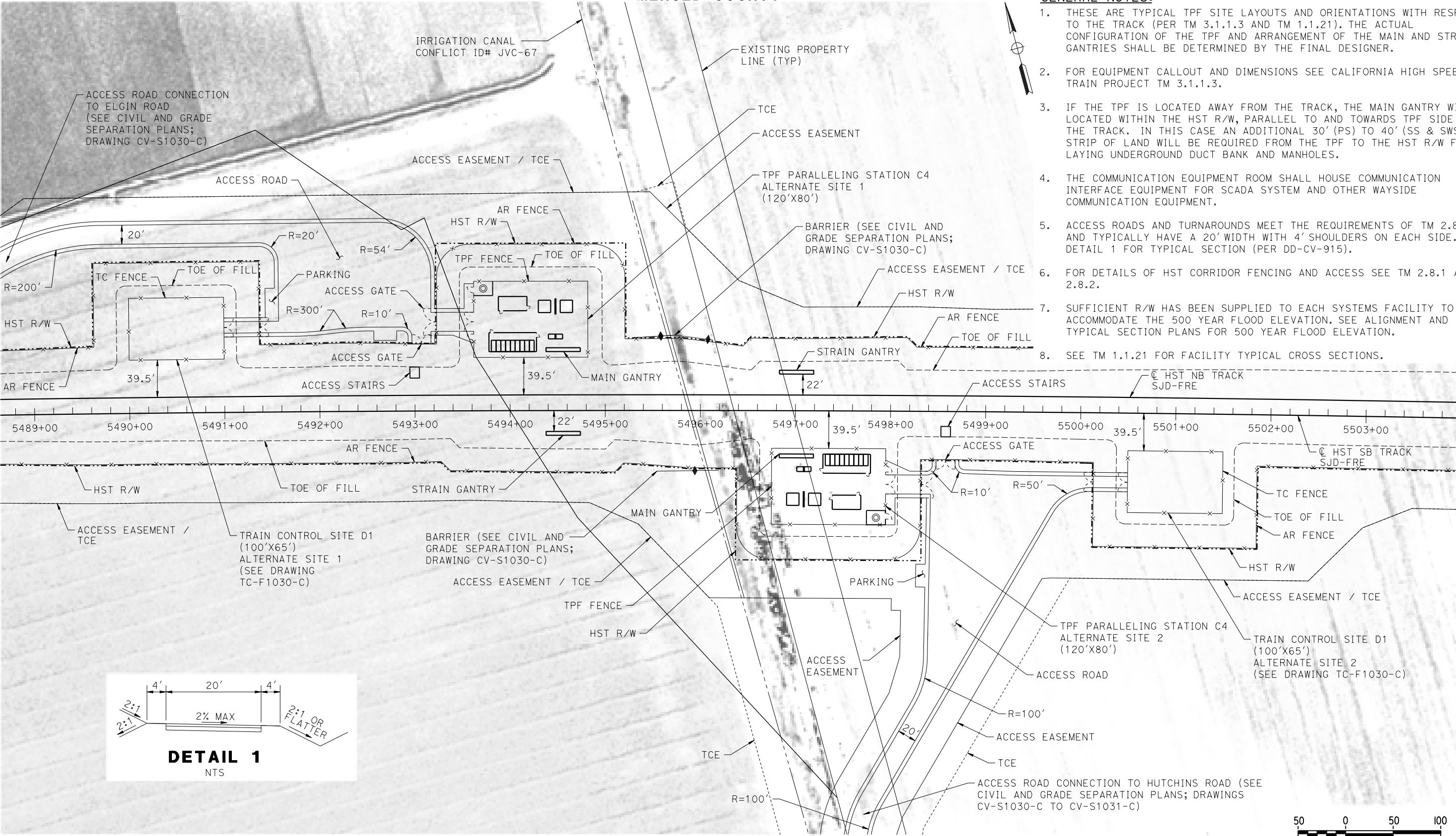
NOT FOR
CONSTRUCTION



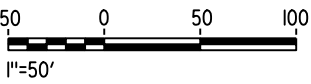
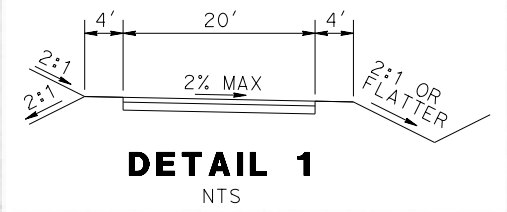
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-B4001-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY



- GENERAL NOTES:**
- 1. THESE ARE TYPICAL TPF SITE LAYOUTS AND ORIENTATIONS WITH RESPECT TO THE TRACK (PER TM 3.1.1.3 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE TPF AND ARRANGEMENT OF THE MAIN AND STRAIN GANTRIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
 - 2. FOR EQUIPMENT CALLOUT AND DIMENSIONS SEE CALIFORNIA HIGH SPEED TRAIN PROJECT TM 3.1.1.3.
 - 3. IF THE TPF IS LOCATED AWAY FROM THE TRACK, THE MAIN GANTRY WILL BE LOCATED WITHIN THE HST R/W, PARALLEL TO AND TOWARDS TPF SIDE OF THE TRACK. IN THIS CASE AN ADDITIONAL 30' (PS) TO 40' (SS & SWS) WIDE STRIP OF LAND WILL BE REQUIRED FROM THE TPF TO THE HST R/W FOR LAYING UNDERGROUND DUCT BANK AND MANHOLES.
 - 4. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT.
 - 5. ACCESS ROADS AND TURNAROUNDS MEET THE REQUIREMENTS OF TM 2.8.1 AND TYPICALLY HAVE A 20' WIDTH WITH 4' SHOULDERS ON EACH SIDE. SEE DETAIL 1 FOR TYPICAL SECTION (PER DD-CV-915).
 - 6. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND TM 2.8.2.
 - 7. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR 500 YEAR FLOOD ELEVATION.
 - 8. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

p005133g 18-MAR-2016 1:36 MF-TP-01030-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY J. CASTILLO
CHECKED BY A. GURA
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
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

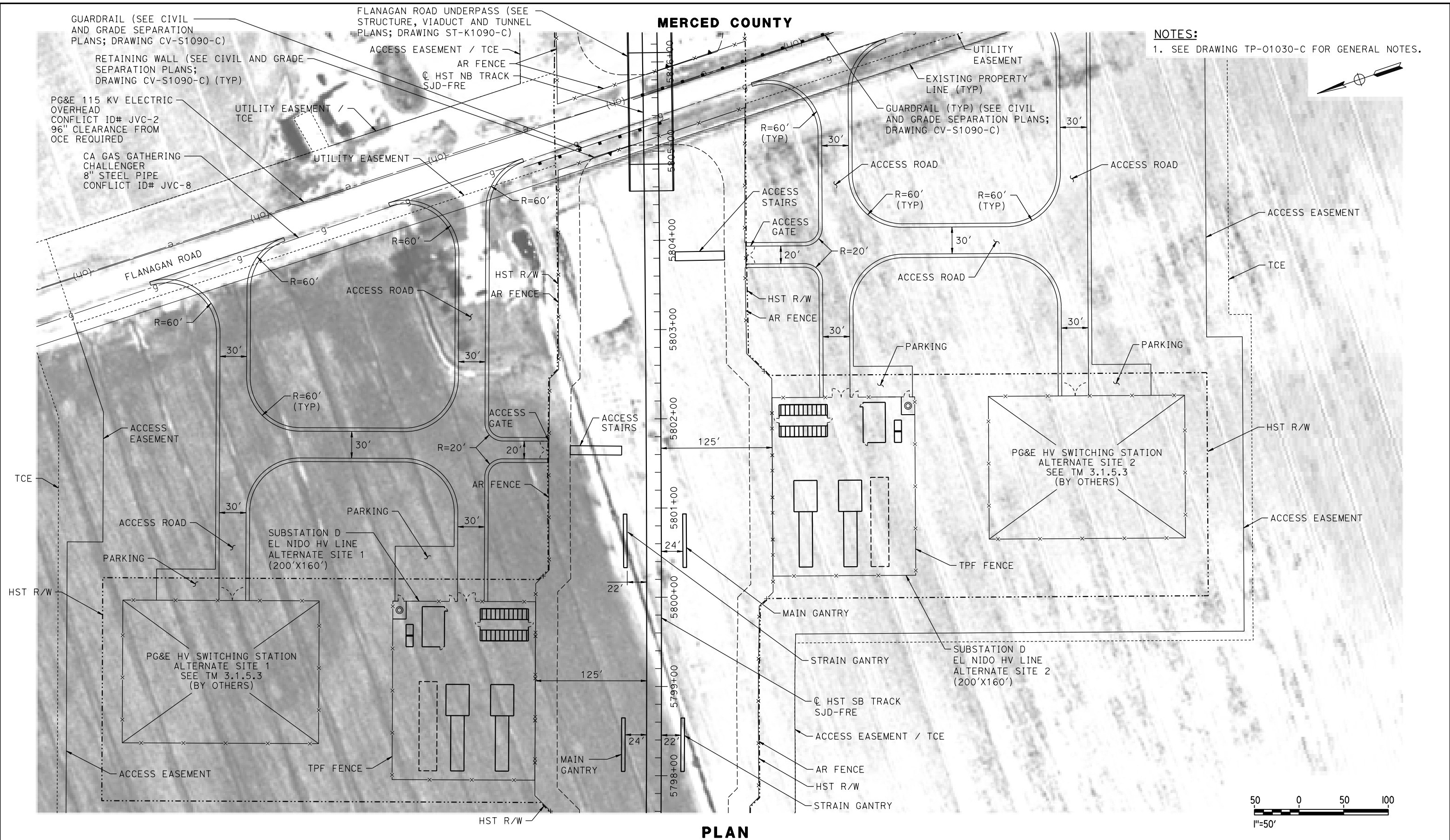
DRAWING NO.
TP-01030-C

SCALE
AS SHOWN

SHEET NO.

18-MAR-2016 01:22 MF-TP-01090-C.dgn

0005133A



MERCED COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

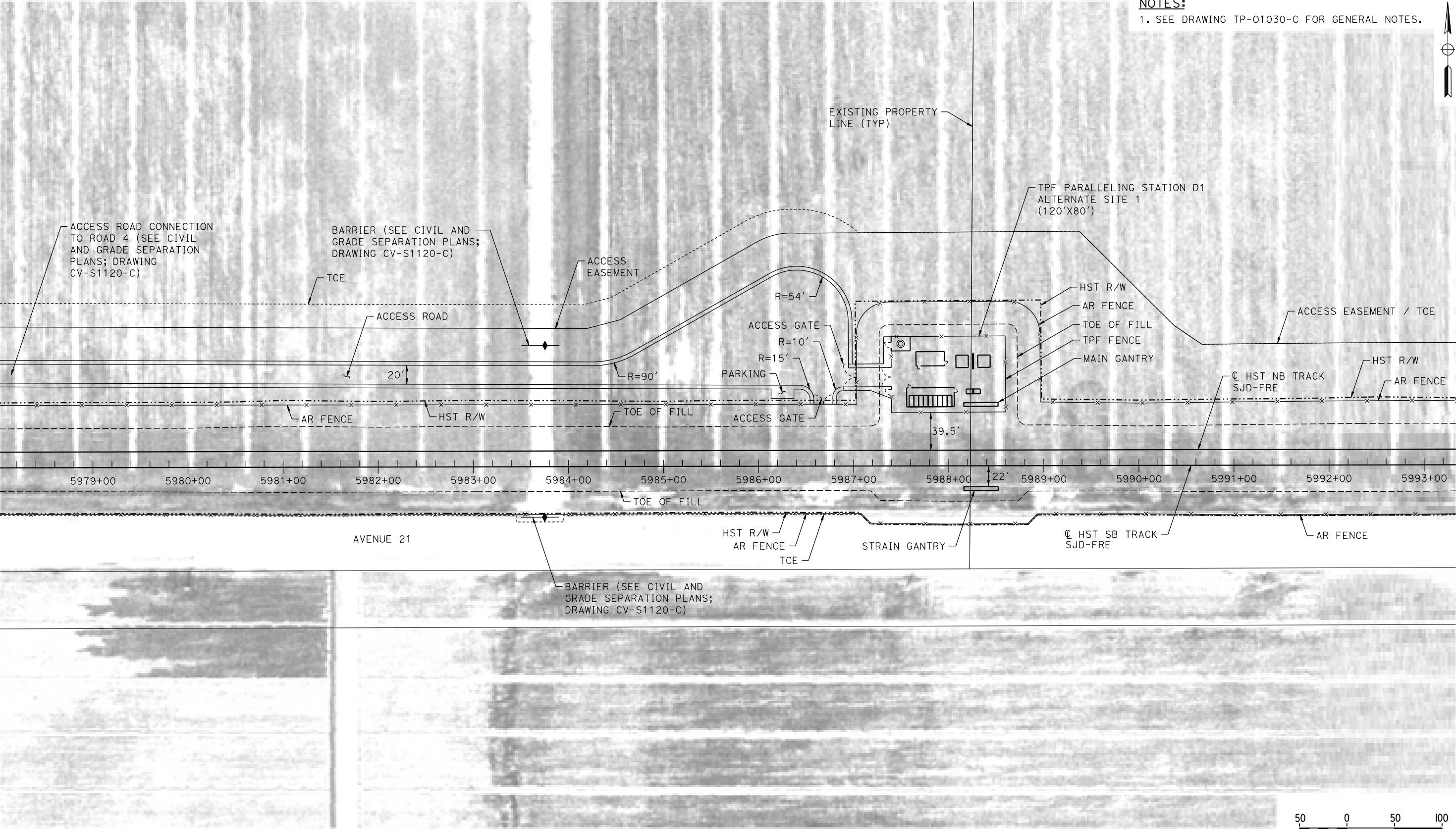


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01090-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

07-MAR-2016 12:46 MF-TP-01120-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

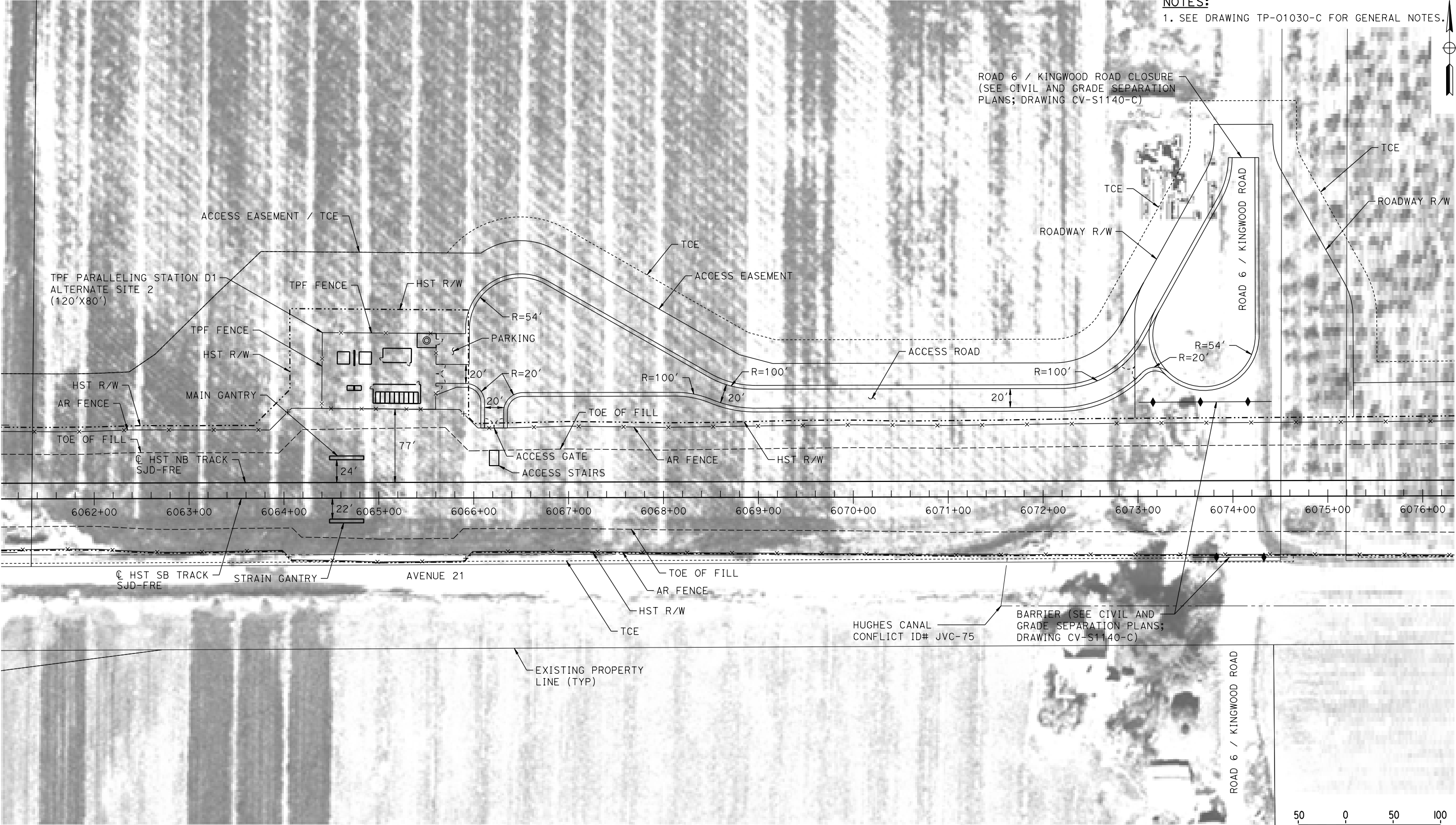


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01120-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:23 MF-TP-01130-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



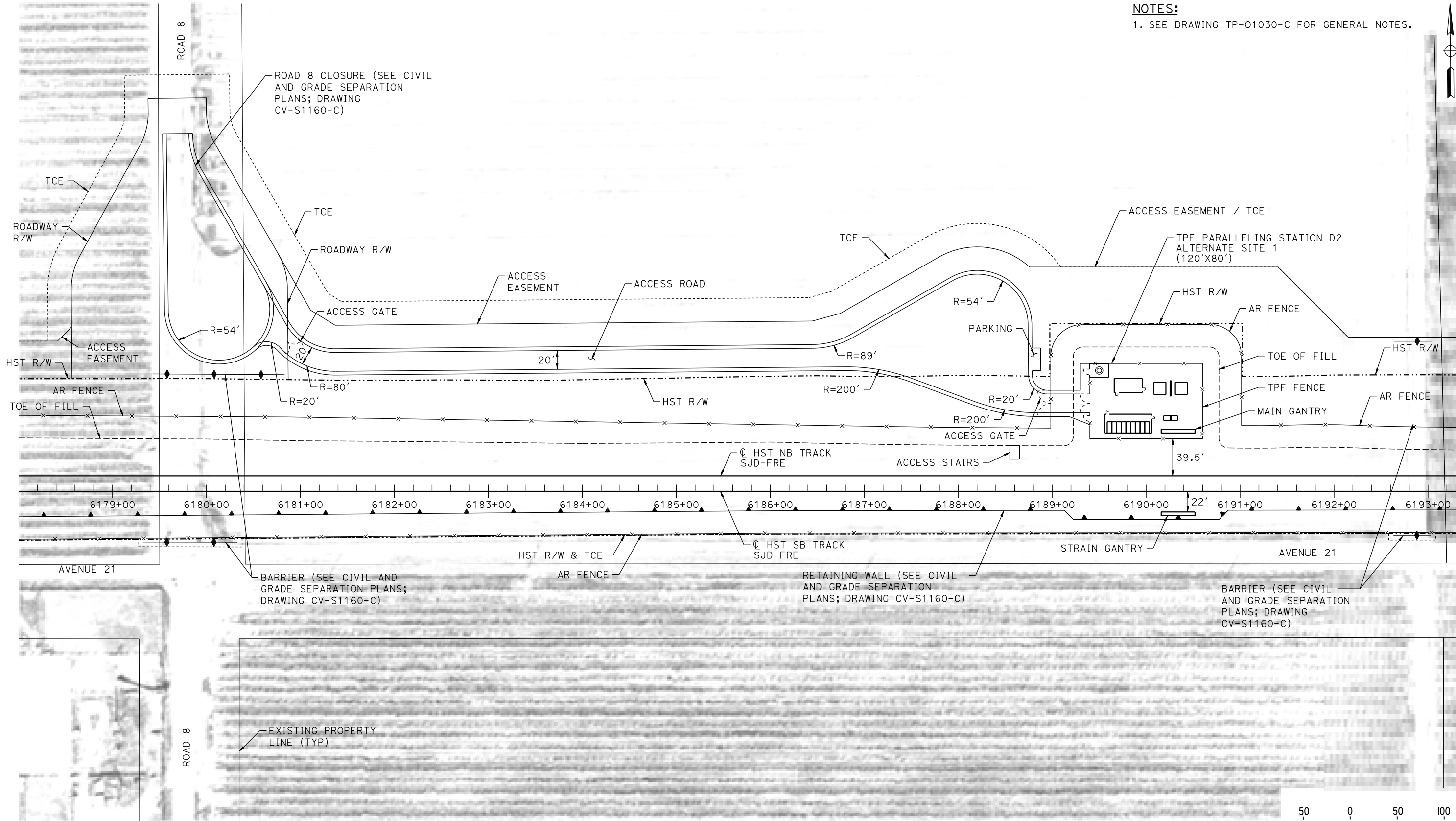
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01130-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:23 MF-TP-01160-C.dgn

p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
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

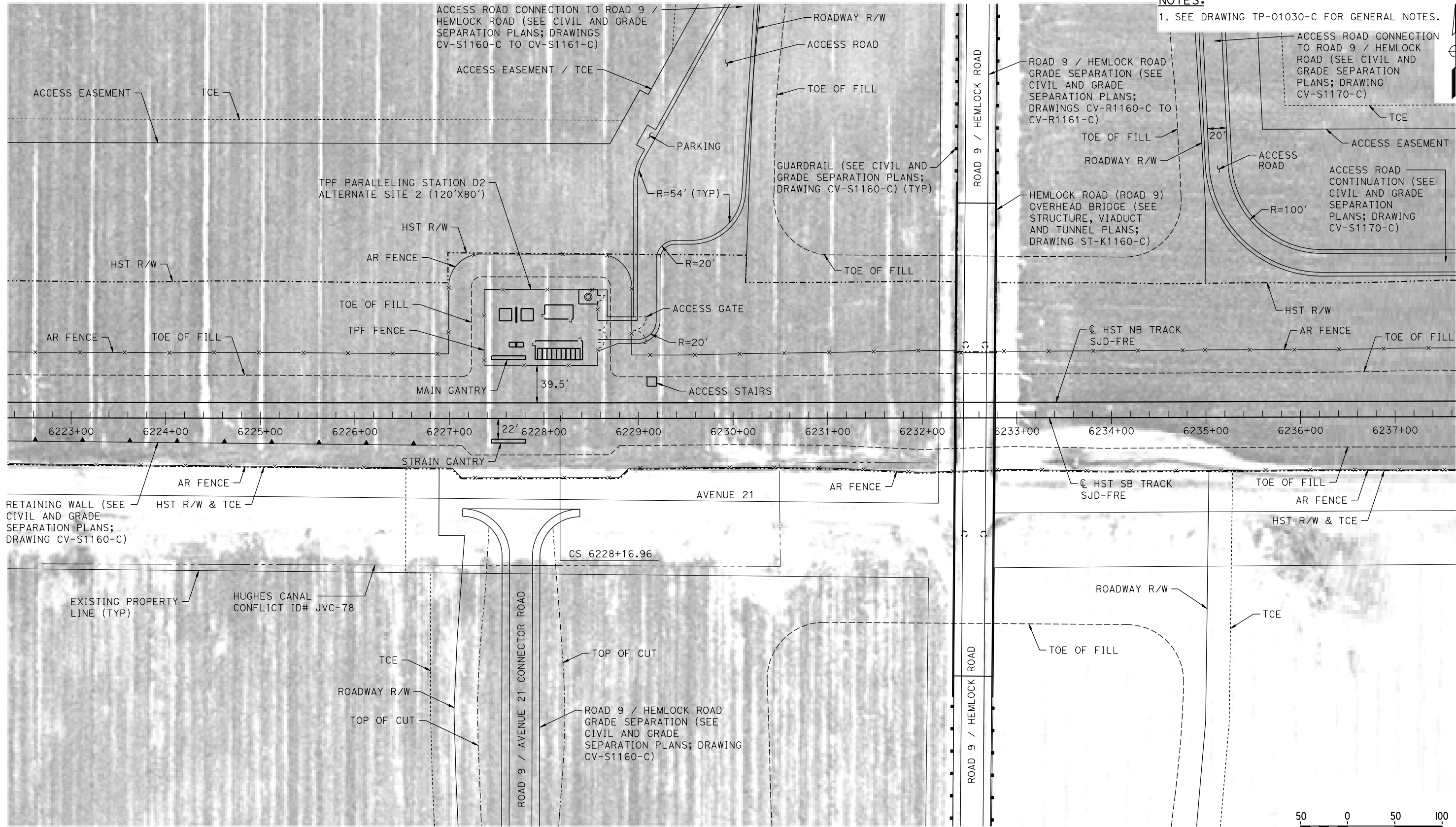
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AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01160-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

MF-TP-01161-C.dgn

18-MAR-2016 01:24

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA
HIGH-SPEED RAIL AUTHORITY**

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

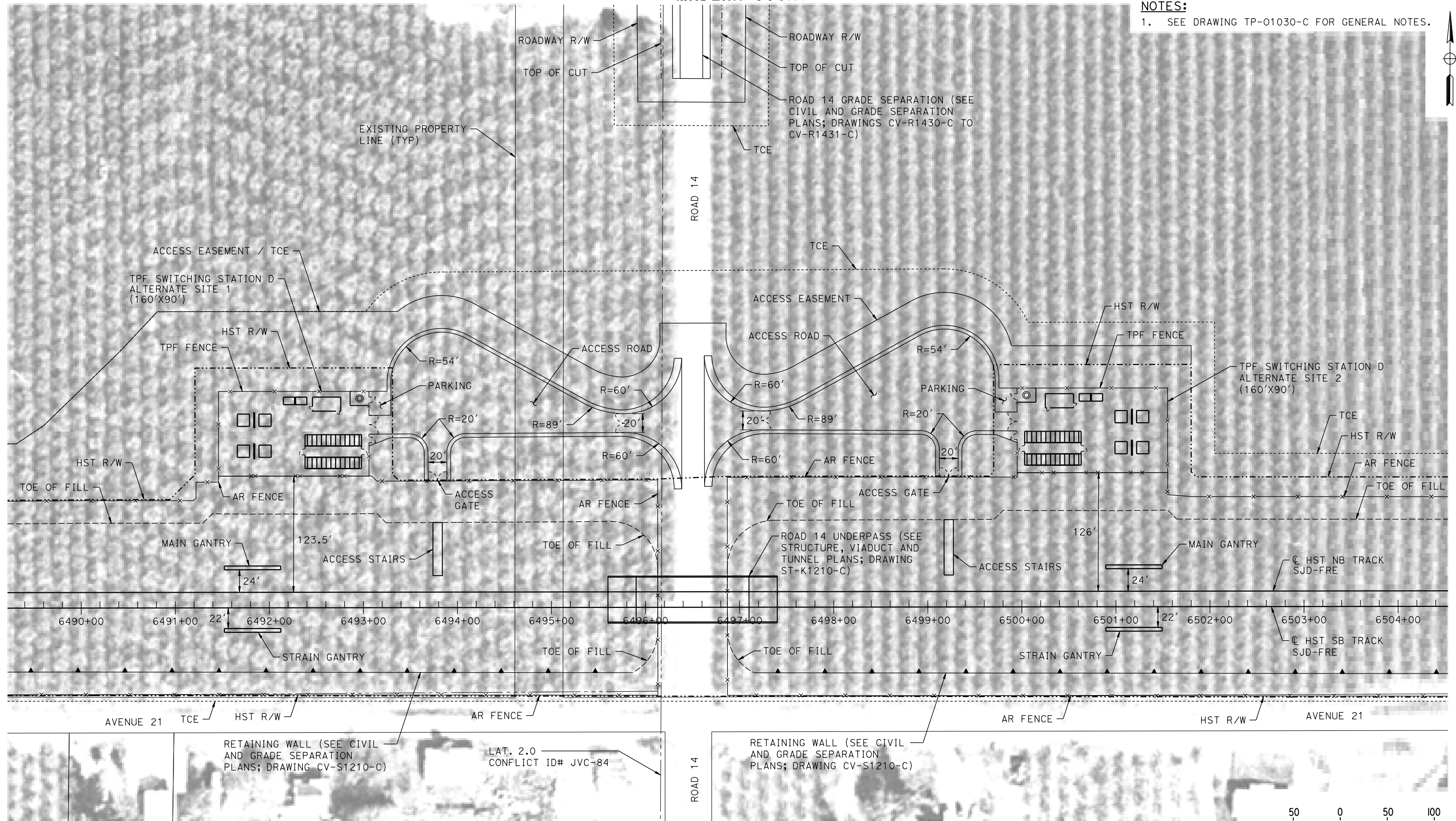
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01161-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:24 MF-TP-01210-C.dgn

18-MAR-2016 01:24 MF-TP-01210-C.dgn

18-MAR-2016 01:24 MF-TP-01210-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
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

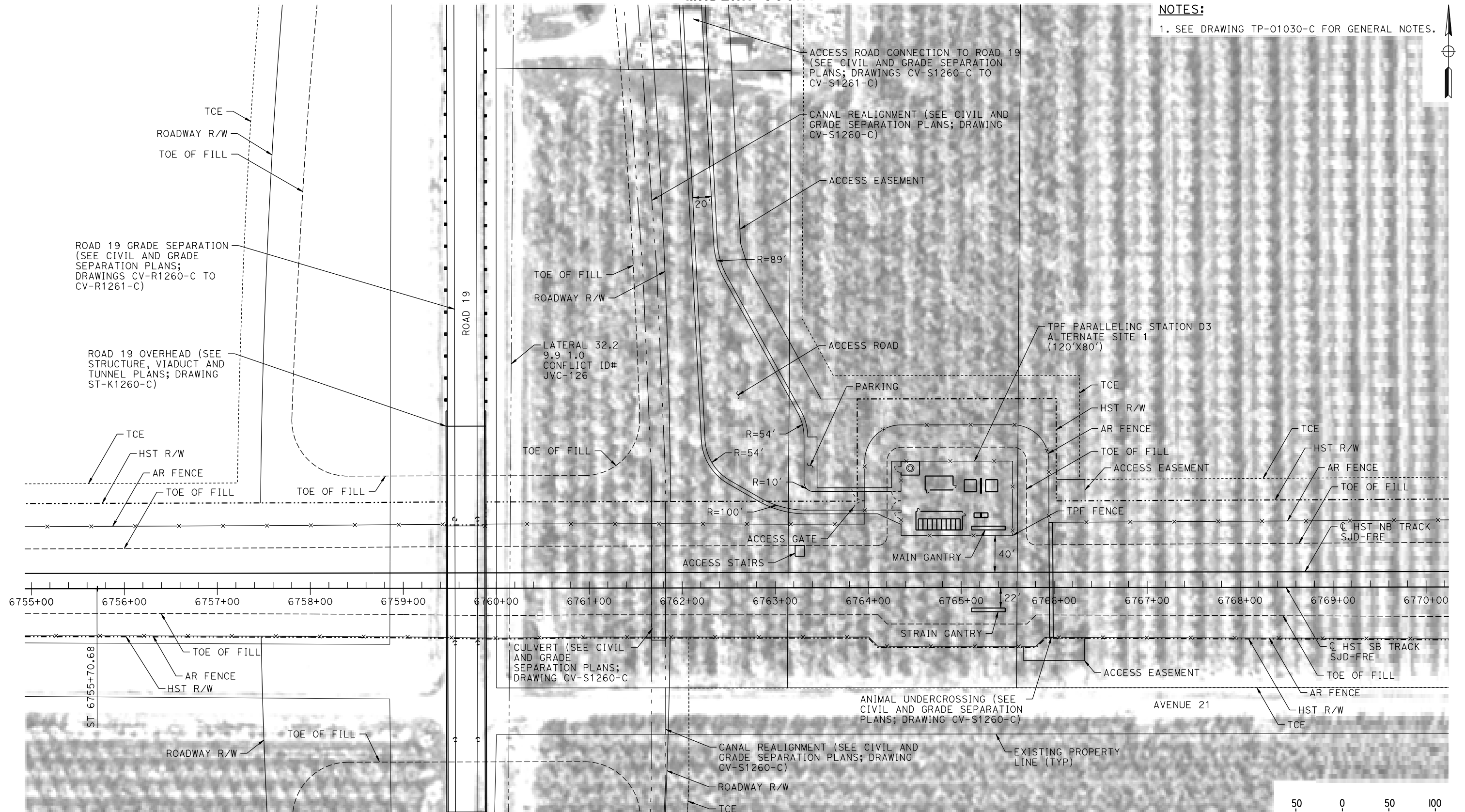
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01210-C
SCALE AS SHOWN
SHEET NO.

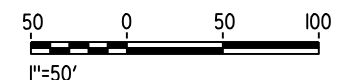
MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN



MF-TP-01260-C.dgn

18-MAR-2016 01:25

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

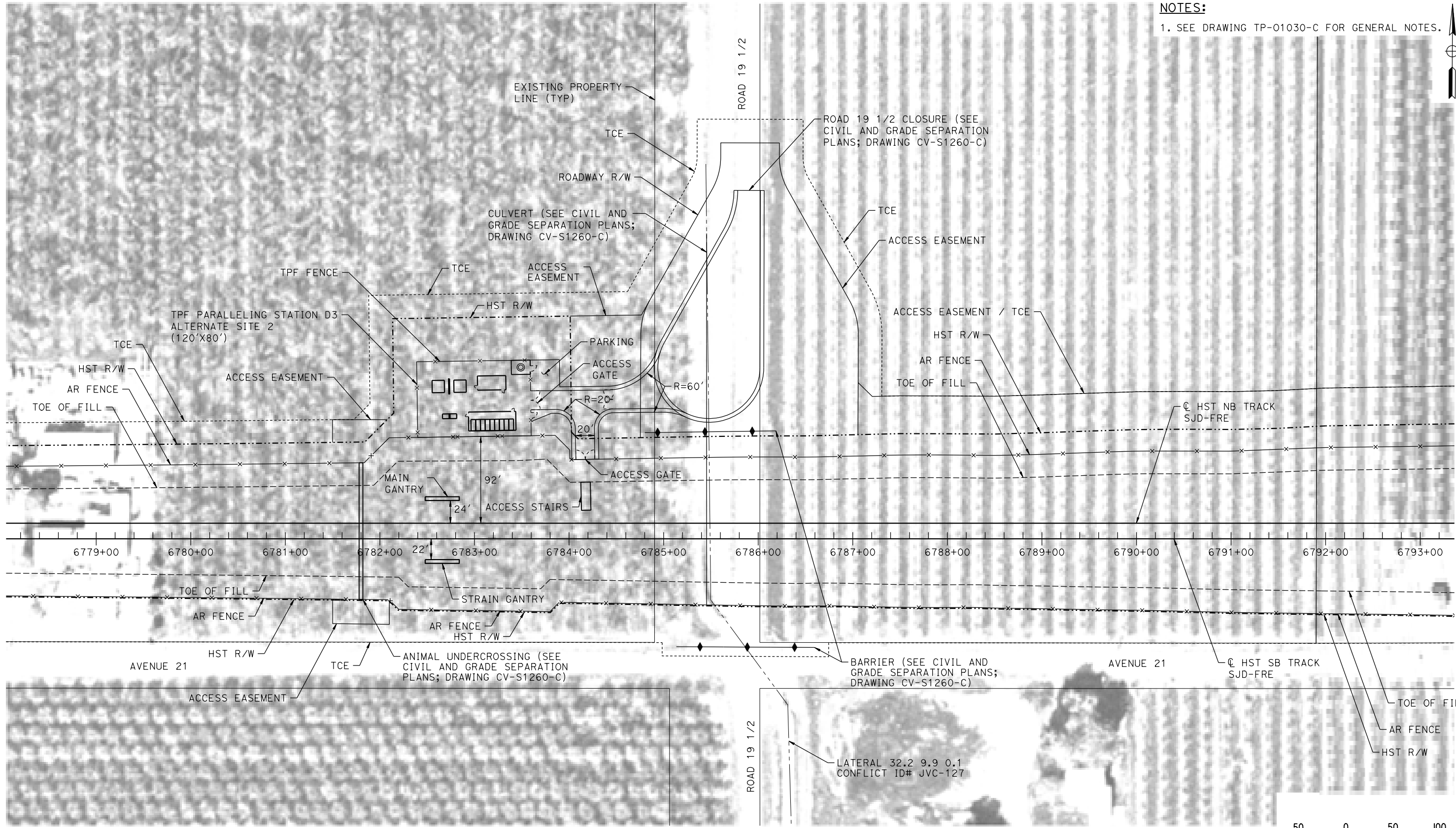
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AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01260-C
SCALE AS SHOWN
SHEET NO.

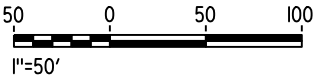
MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN



18-MAR-2016 01:25 MF-TP-01261-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

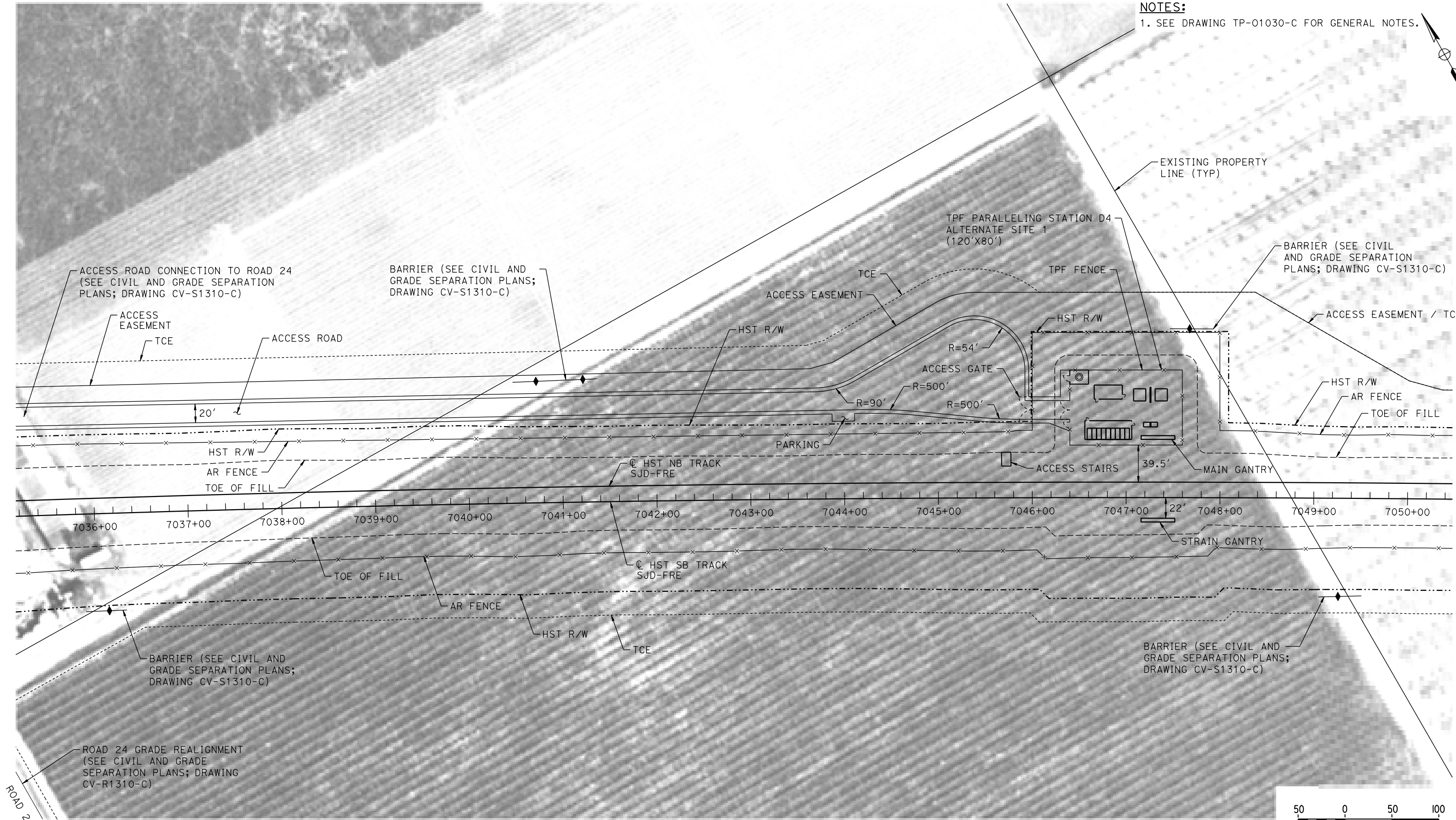


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 2

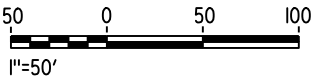
CONTRACT NO. HSR08-05
DRAWING NO. TP-01261-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN



07-MAR-2016 2:50 MF-TP-01310-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

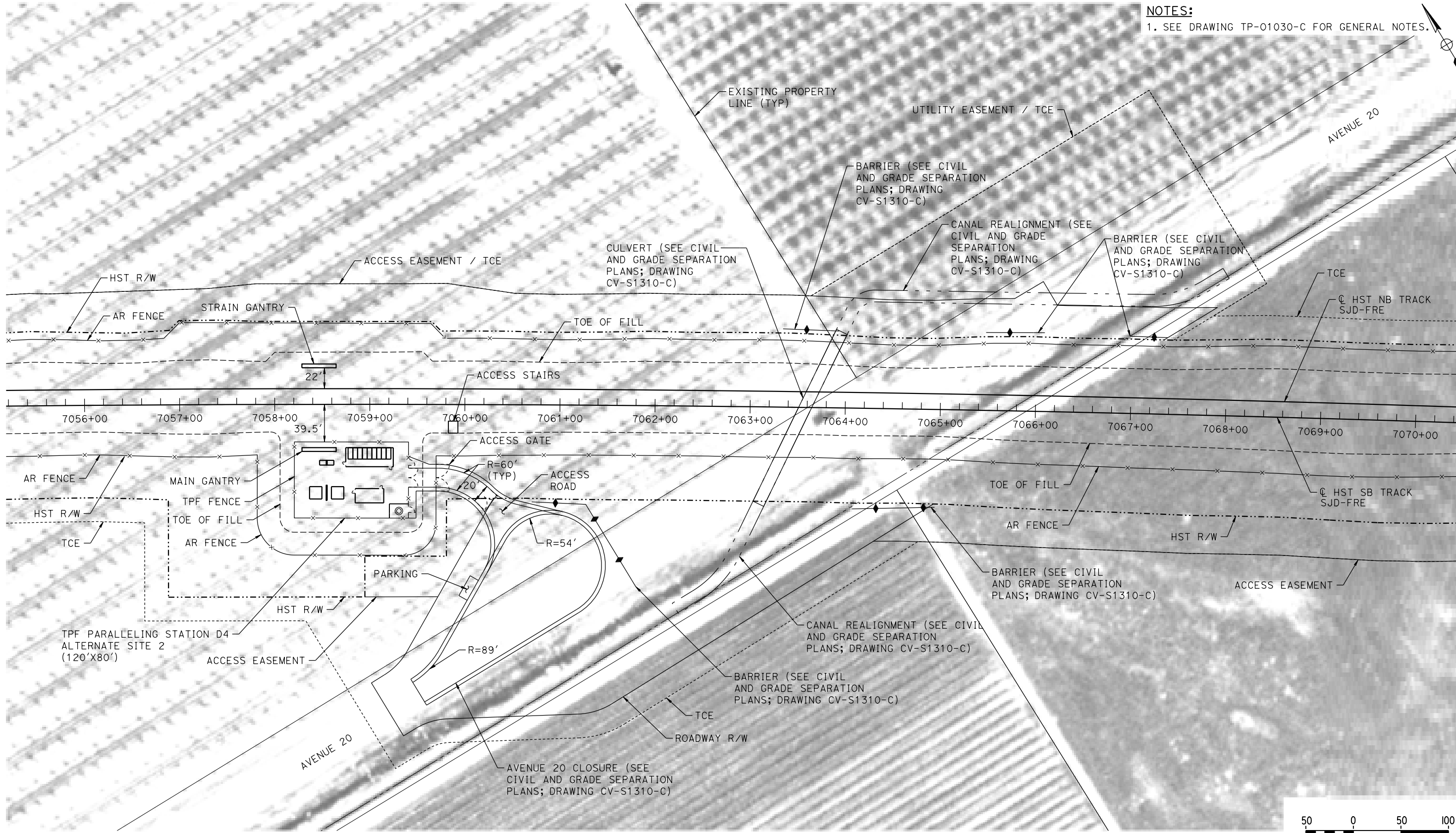


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

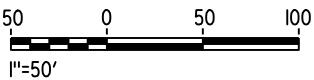
CONTRACT NO. HSR08-05
DRAWING NO. TP-01310-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN



18-MAR-2016 01:25 MF-TP-01311-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
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
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

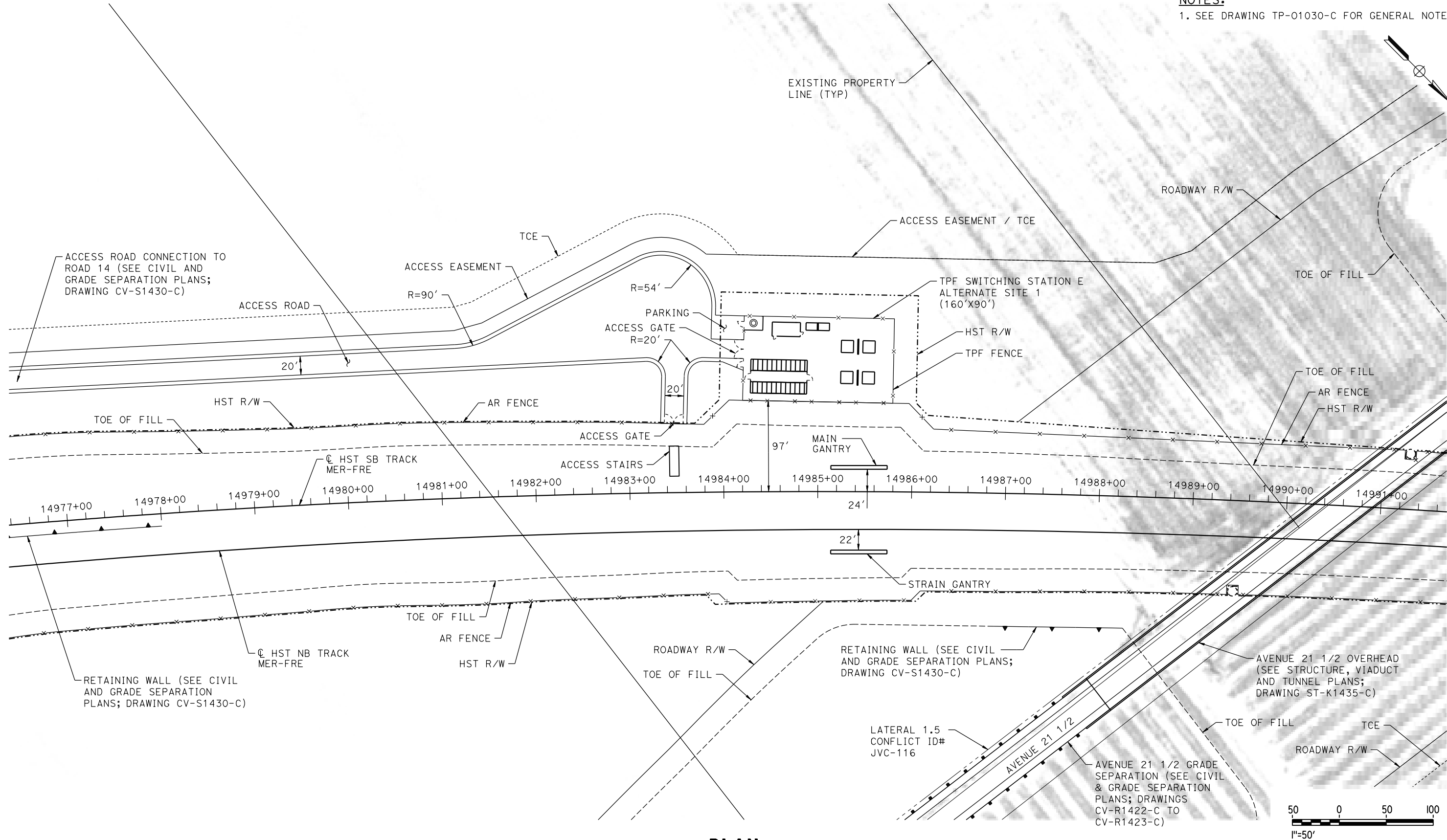
DRAWING NO.
TP-01311-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

07-MAR-2016 2:51 MF-TP-01430-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



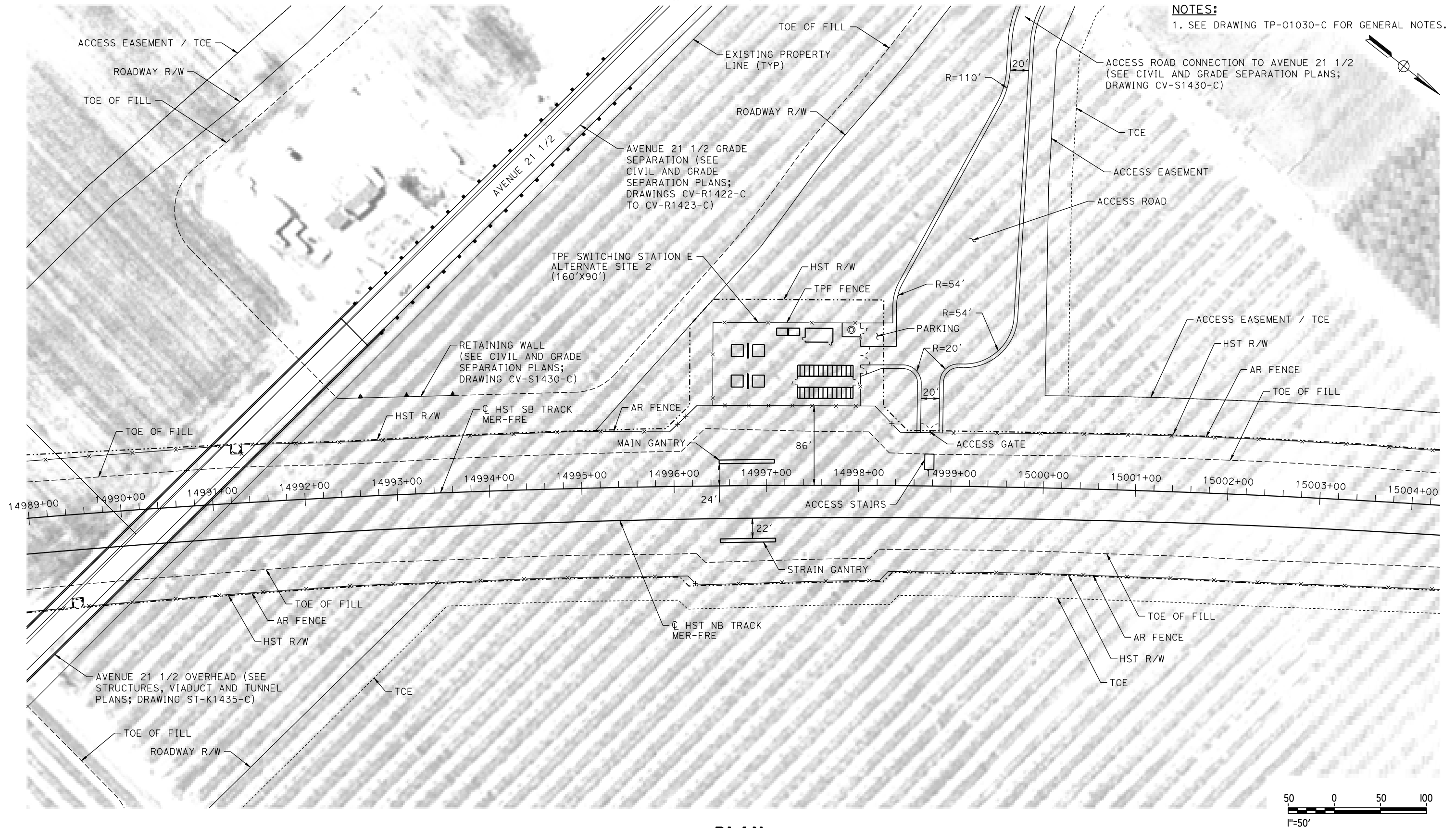
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01430-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
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
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

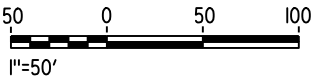
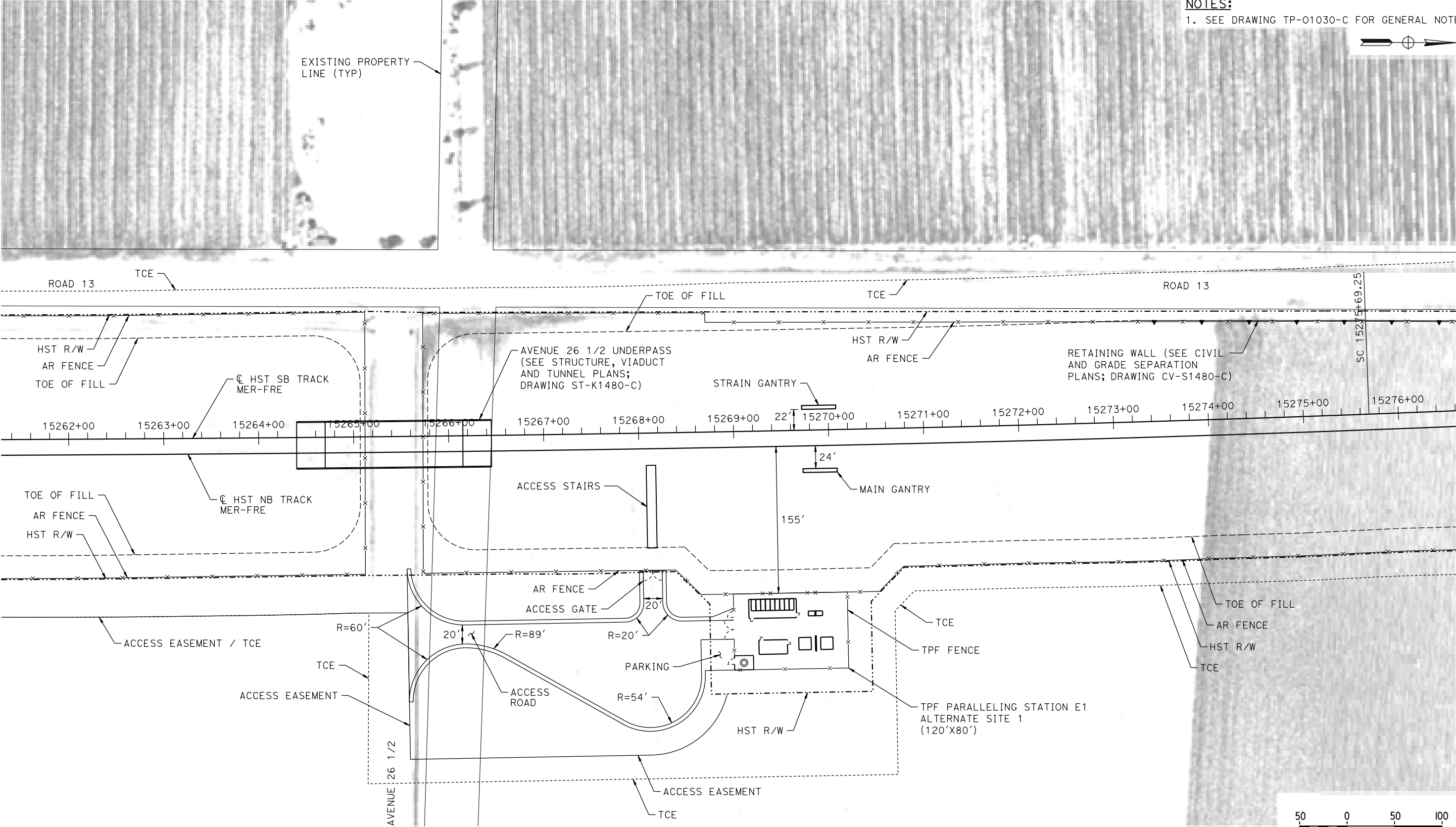
DRAWING NO.
TP-01431-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

MF-TP-01480-C.dgn
07-MAR-2016 12:52
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
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

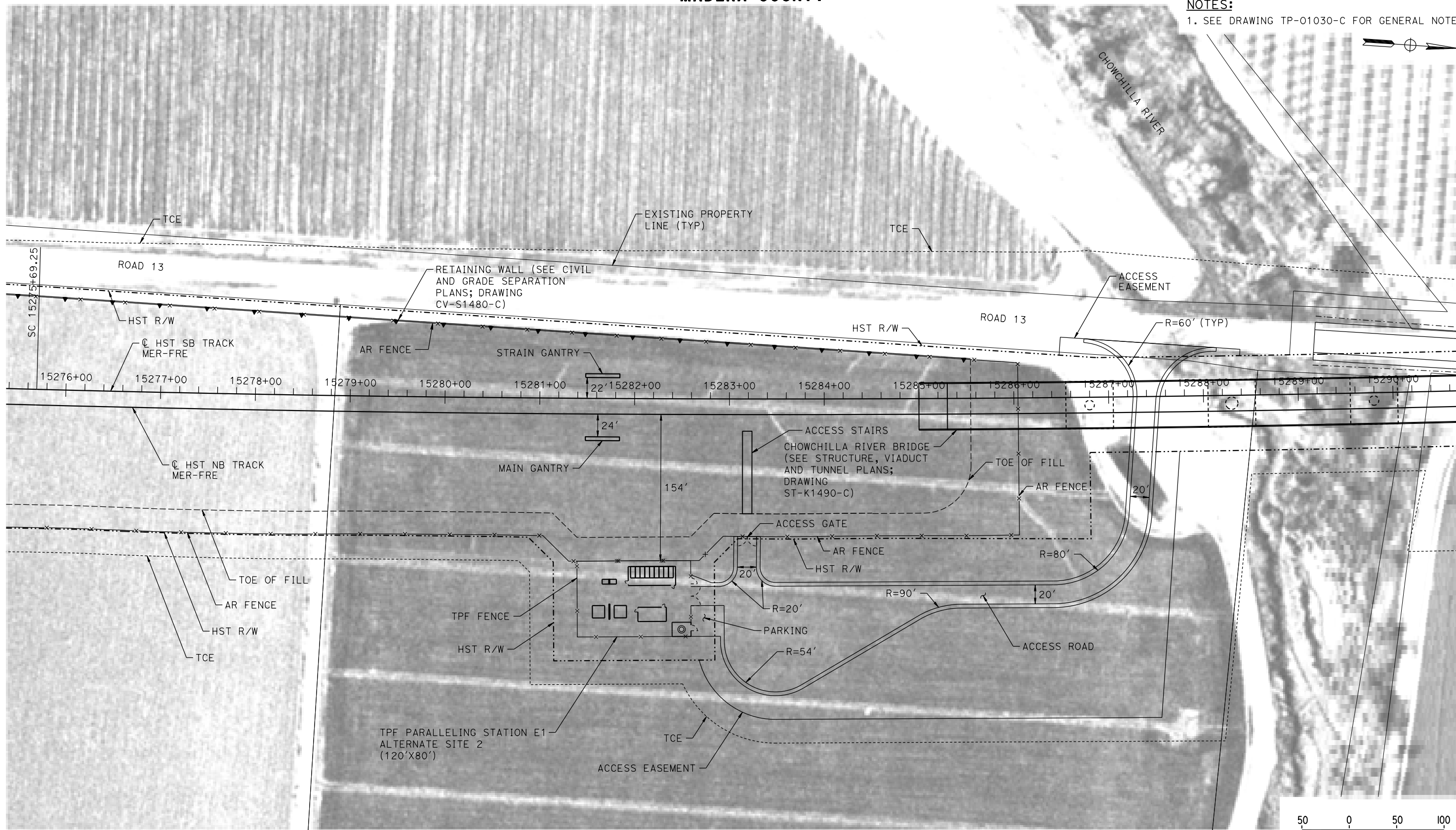
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01480-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

MF-TP-01481-C.dgn
18-MAR-2016 10:26
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

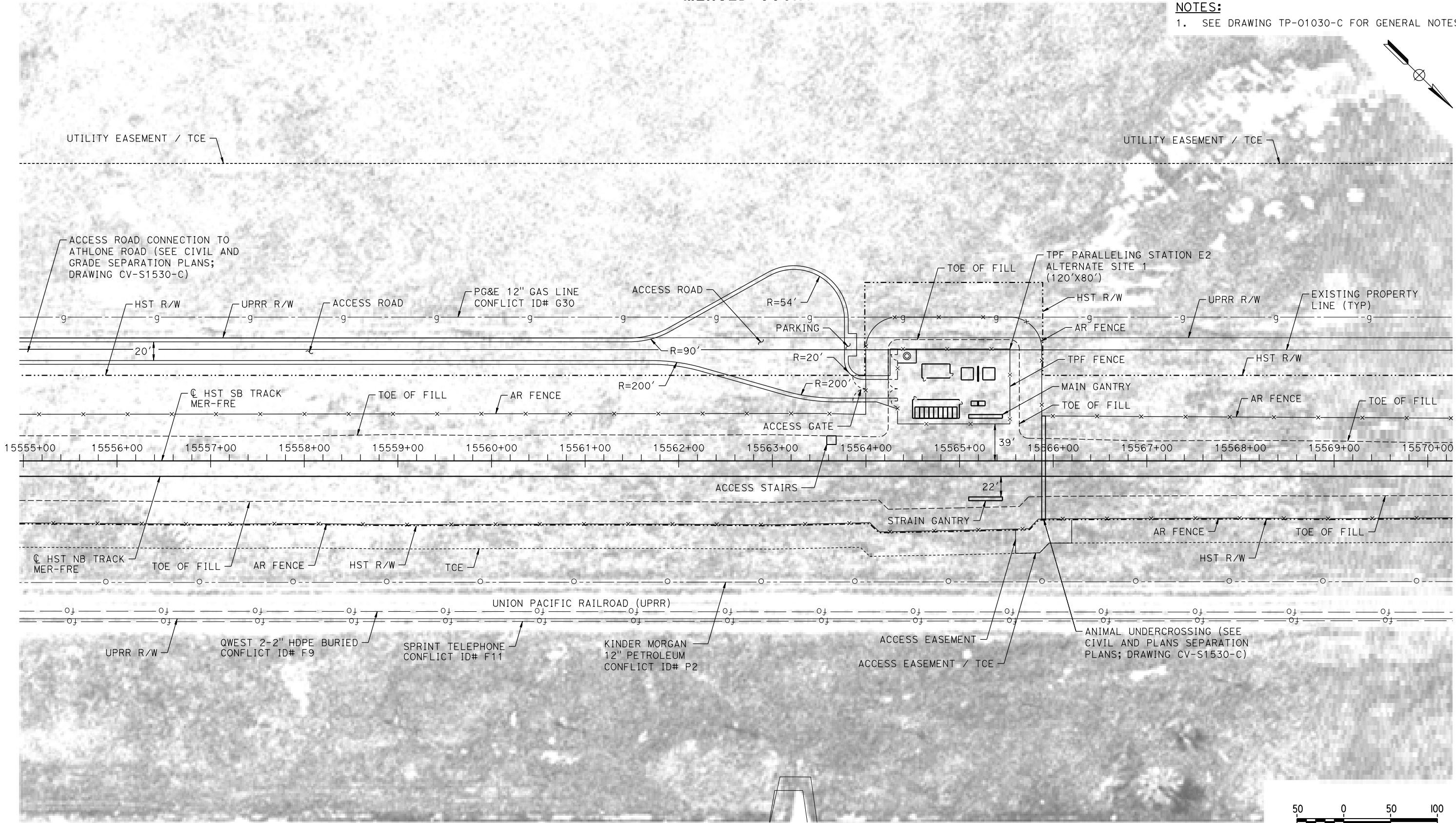
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01481-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

MF-TP-01530-C.dgn
07-MAR-2016 12:53
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

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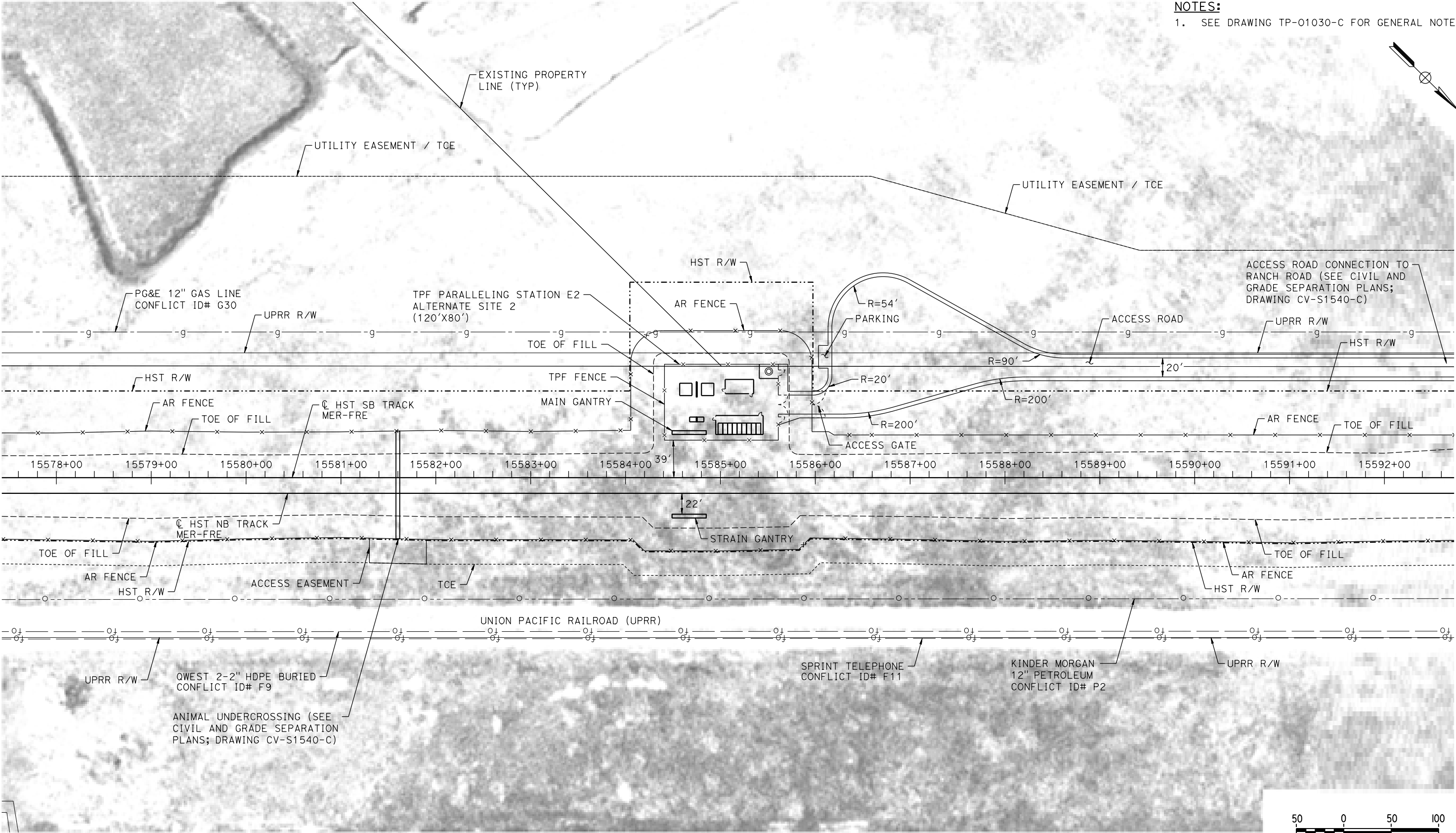
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

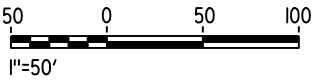
CONTRACT NO. HSR08-05
DRAWING NO. TP-01530-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:
1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN



18-MAR-2016 01:31 MF-TP-01540-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
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CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

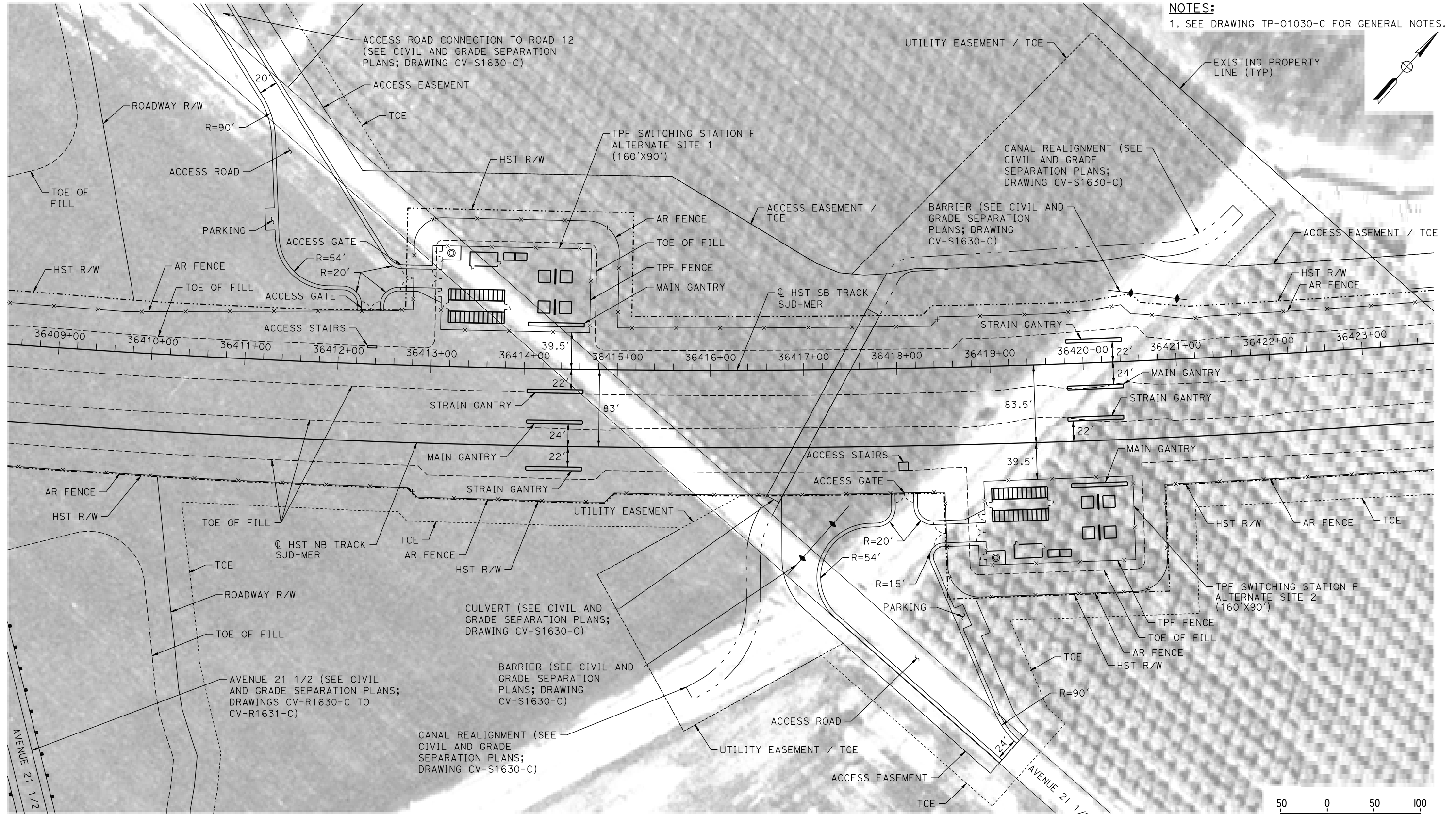
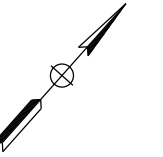
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01540-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-C FOR GENERAL NOTES.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	M. TACTAY
CHECKED BY	A. GURA
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
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01630-C

SCALE
AS SHOWN

SHEET NO.

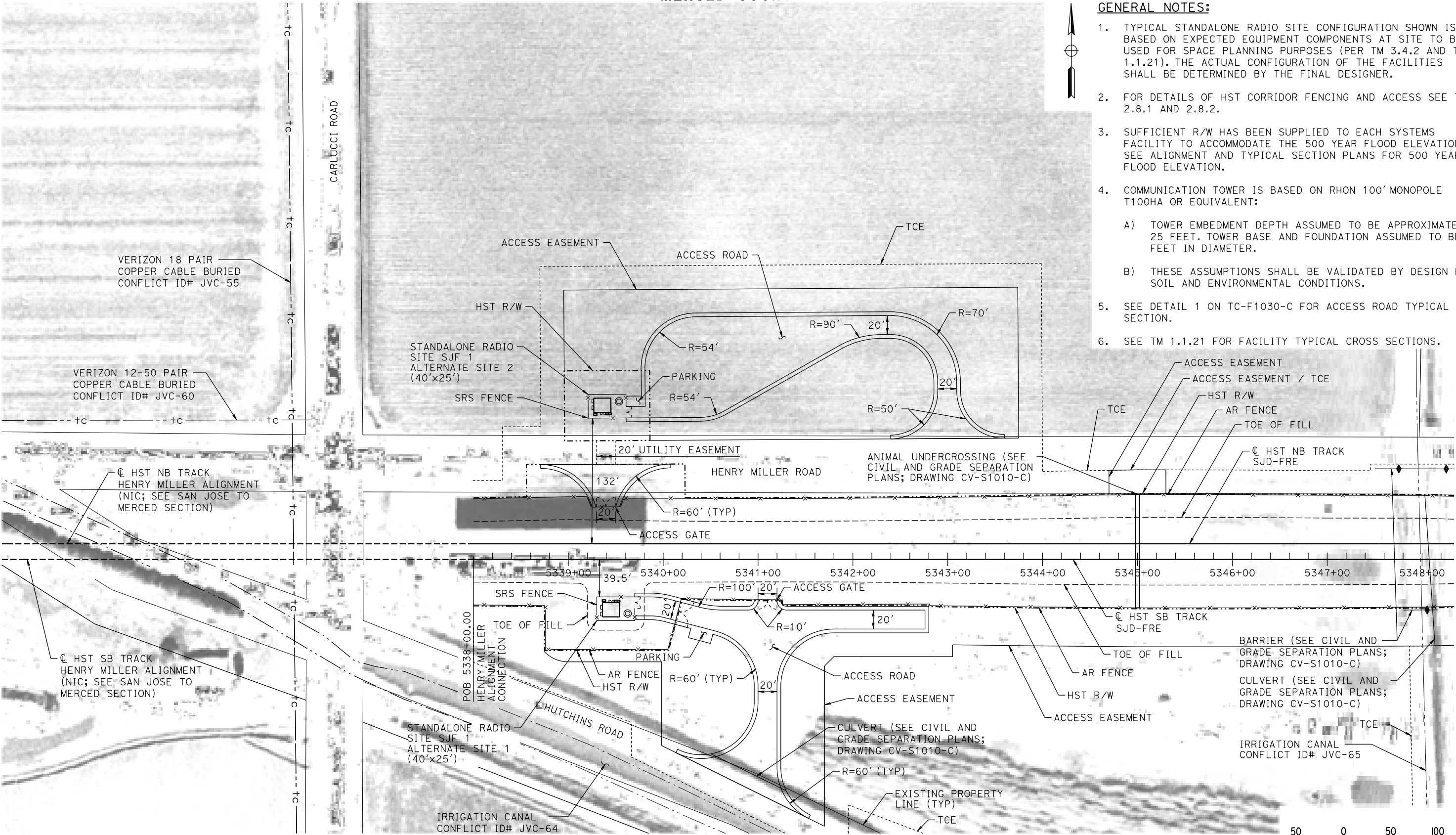
MERCED COUNTY

GENERAL NOTES:

1. TYPICAL STANDALONE RADIO SITE CONFIGURATION SHOWN IS BASED ON EXPECTED EQUIPMENT COMPONENTS AT SITE TO BE USED FOR SPACE PLANNING PURPOSES (PER TM 3.4.2 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND 2.8.2.
3. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR 500 YEAR FLOOD ELEVATION.
4. COMMUNICATION TOWER IS BASED ON RHON 100' MONOPOLE T100HA OR EQUIVALENT:

A) TOWER EMBEDMENT DEPTH ASSUMED TO BE APPROXIMATELY 25 FEET. TOWER BASE AND FOUNDATION ASSUMED TO BE 5 FEET IN DIAMETER.

B) THESE ASSUMPTIONS SHALL BE VALIDATED BY DESIGN FOR SOIL AND ENVIRONMENTAL CONDITIONS.
5. SEE DETAIL 1 ON TC-F1030-C FOR ACCESS ROAD TYPICAL SECTION.
6. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

DESIGNED BY
A. GURA
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
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
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2

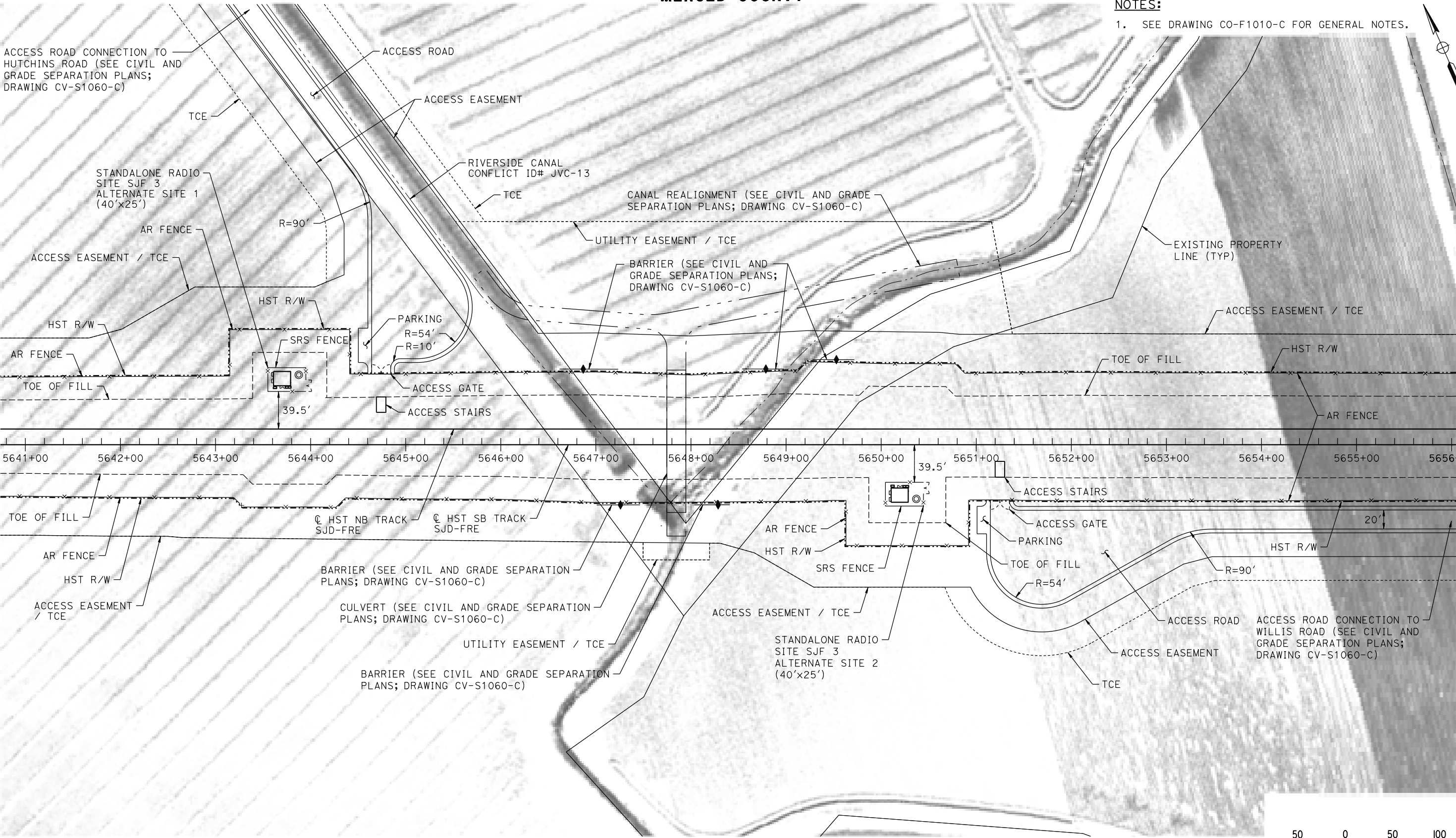
CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1010-C
SCALE
AS SHOWN
SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

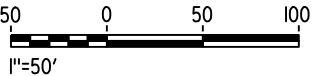
MERCED COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN



07-MAR-2016 21:30 MF-CO-F1060-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY J. CASTILLO
CHECKED BY A. GURA
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
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 3 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1060-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 10:33 MF-CO-F1150-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
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CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION

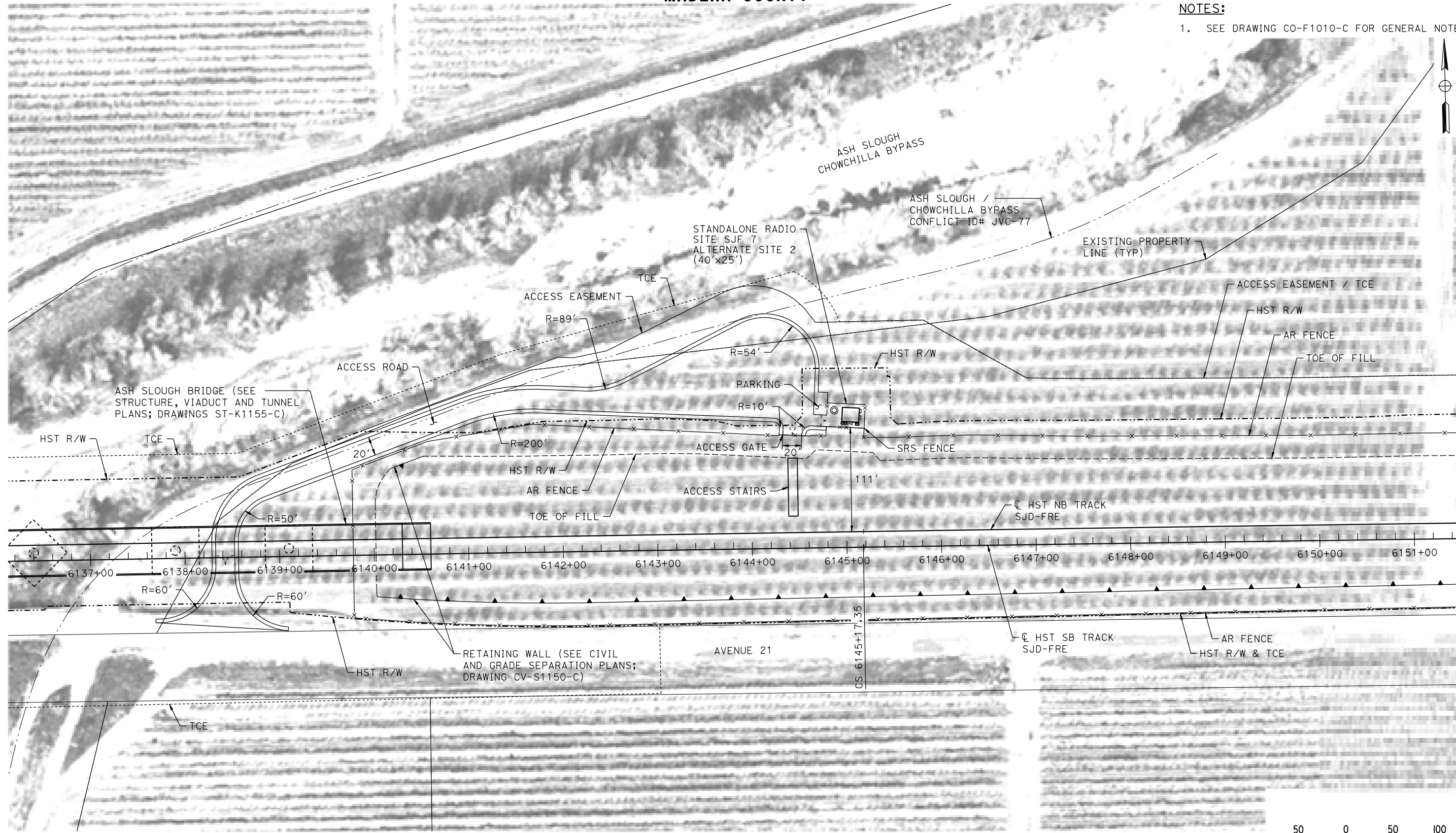


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1150-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:33 MF-CO-F1151-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
DRAWN BY
M. TACTAY
CHECKED BY
A. GURA
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



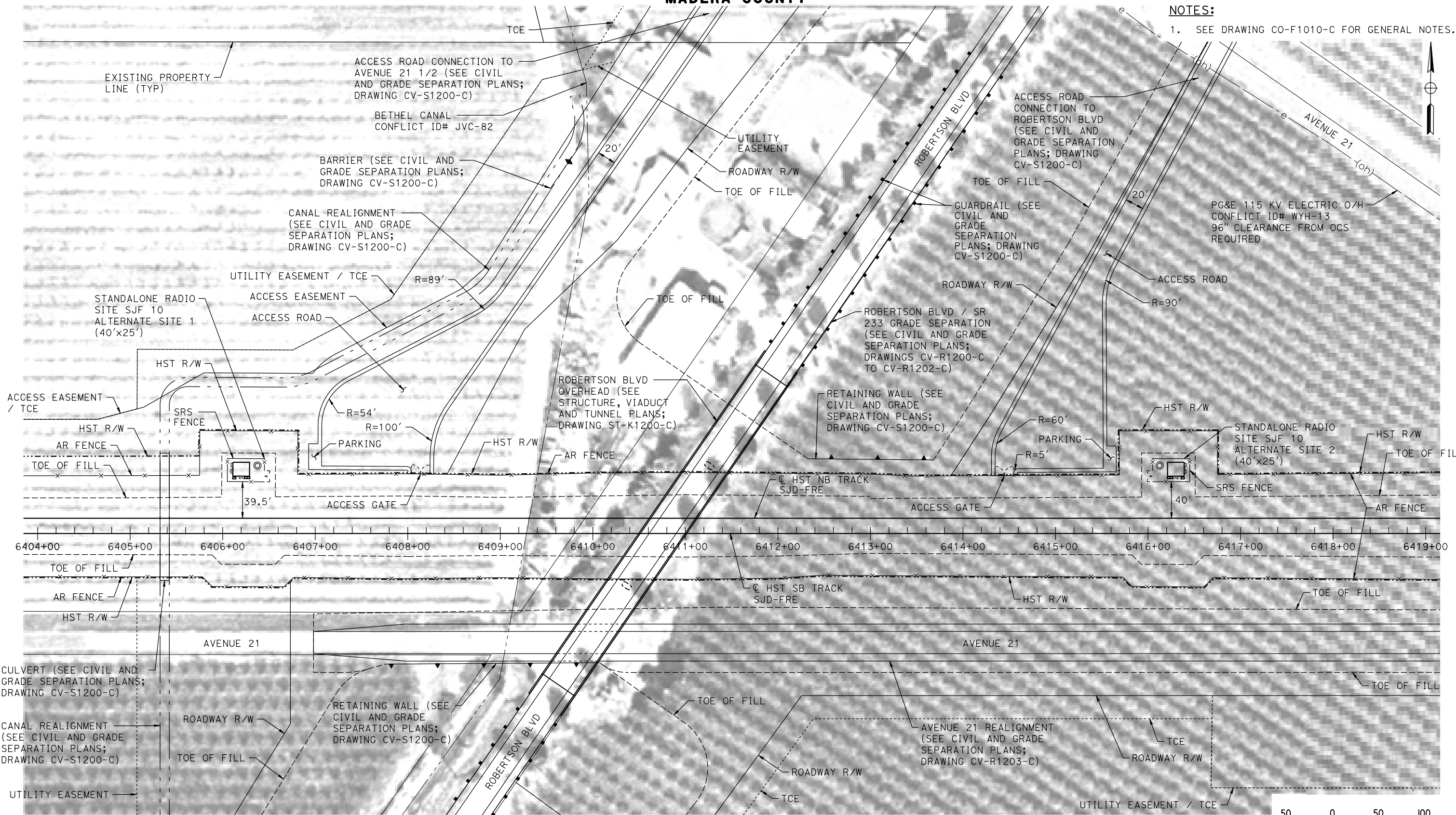
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1151-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN

MF-CO-F1200-C.dgn
18-MAR-2016 01:34
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



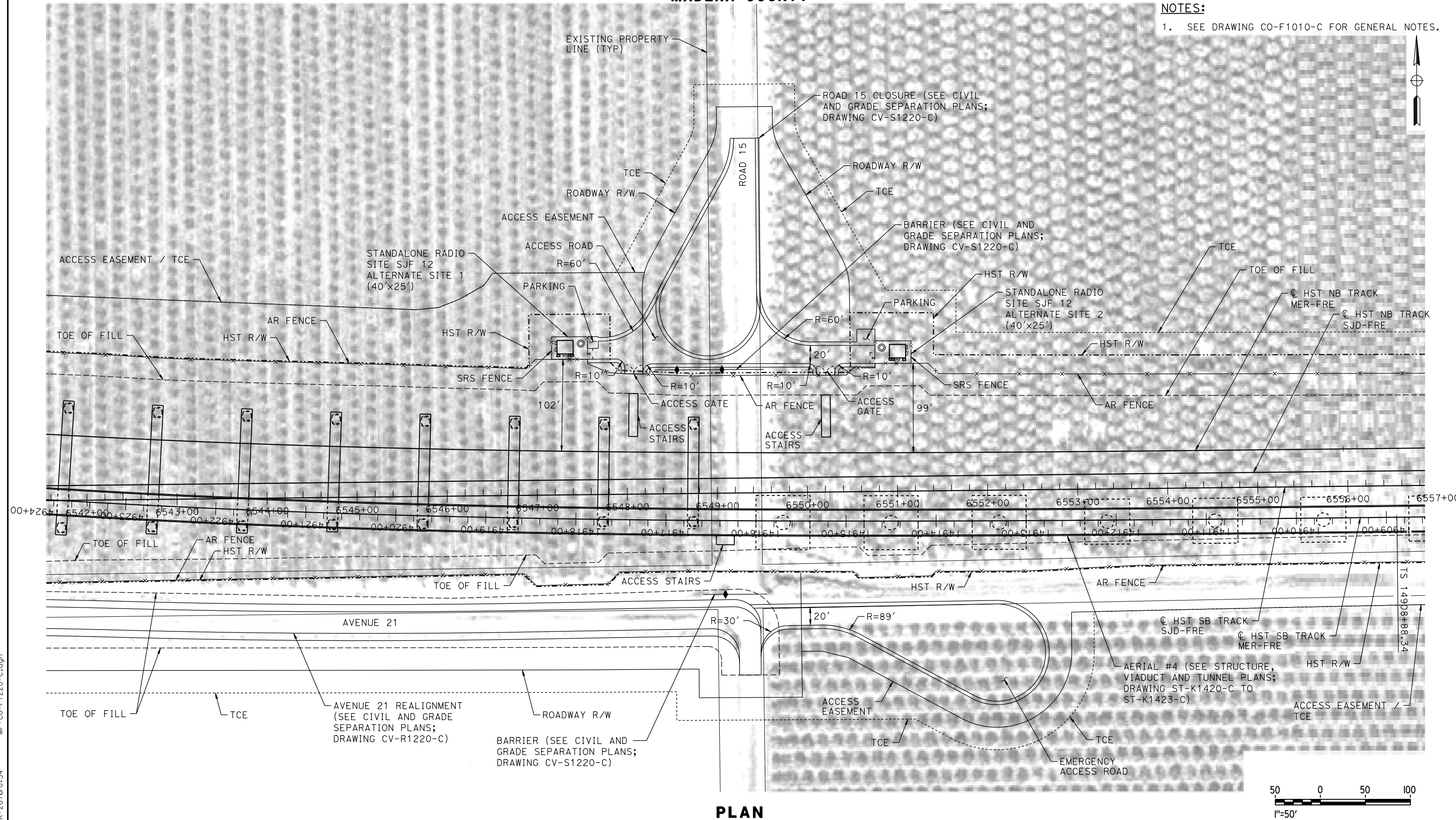
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 10 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1200-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
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DATE 03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

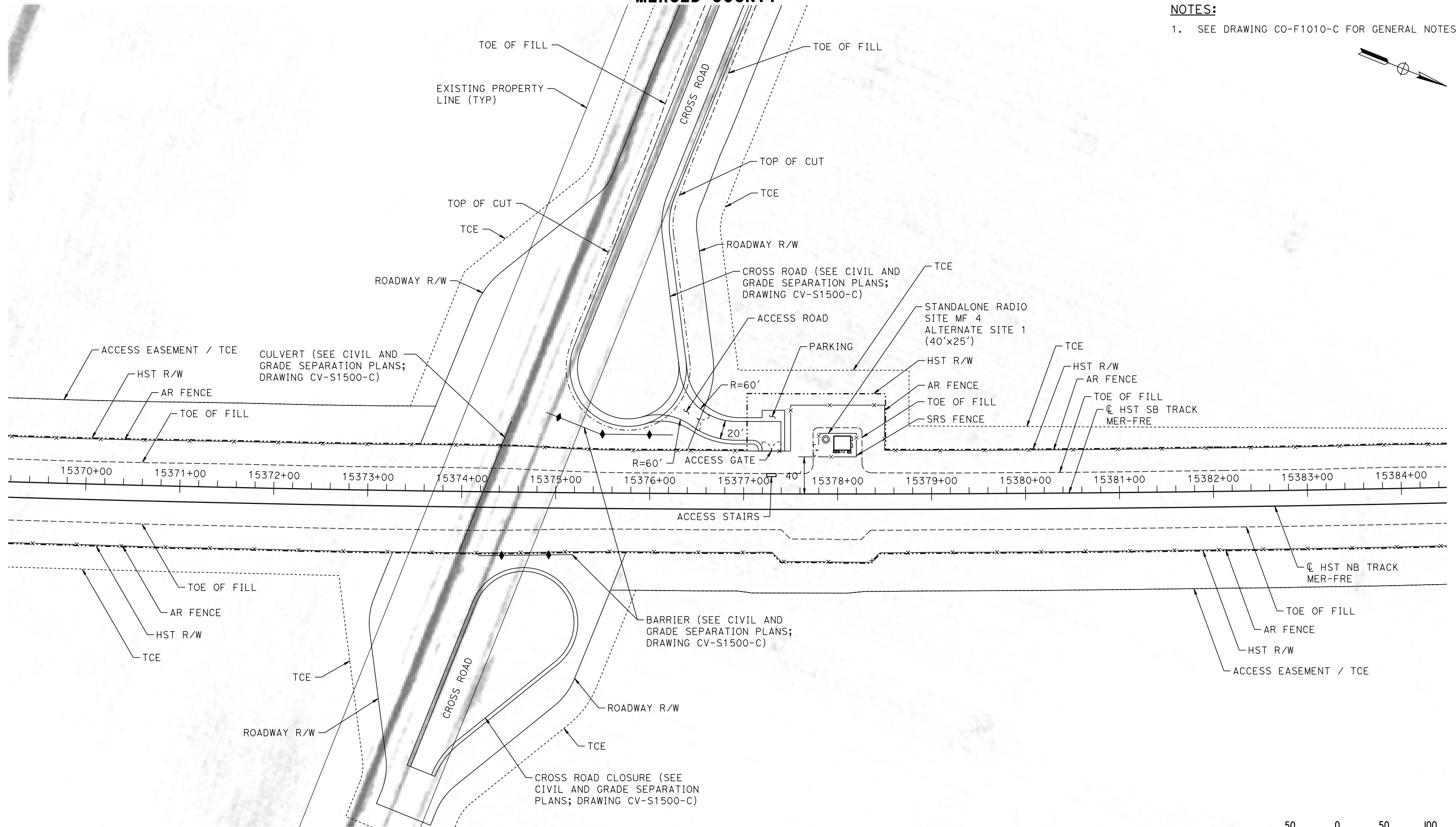
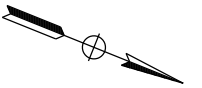
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 12 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1220-C
SCALE AS SHOWN
SHEET NO.

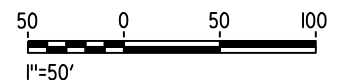
MERCED COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN



MF-CO-F1500-C.dgn
18-MAR-2016 01:35
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
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CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

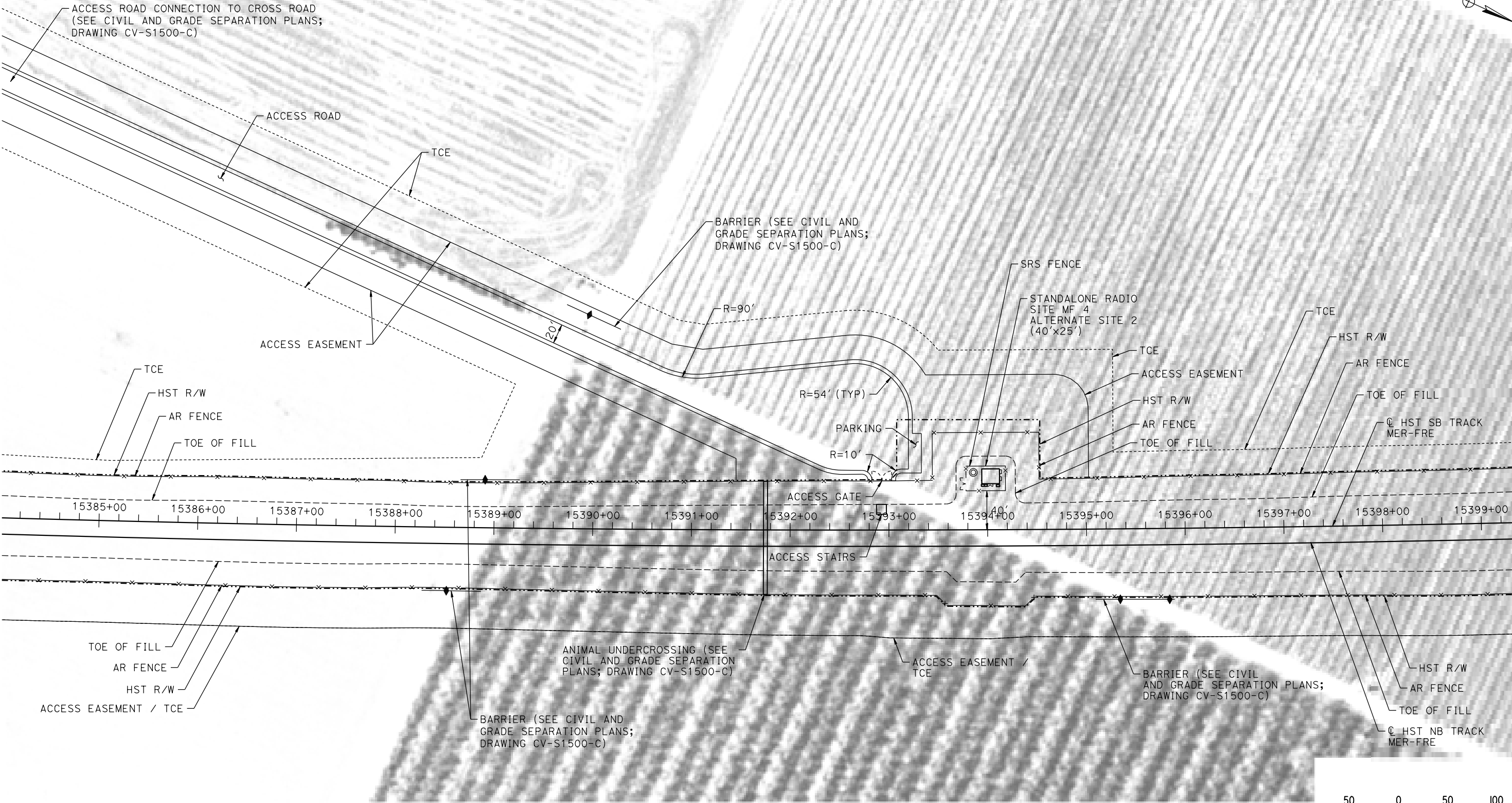
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 4 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1500-C
SCALE AS SHOWN
SHEET NO.

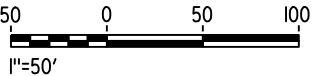
MERCED COUNTY

NOTES:

1. SEE DRAWING CO-F1010-C FOR GENERAL NOTES.



PLAN



MF-CO-F1501-C.dgn
07-MAR-2016 12:34
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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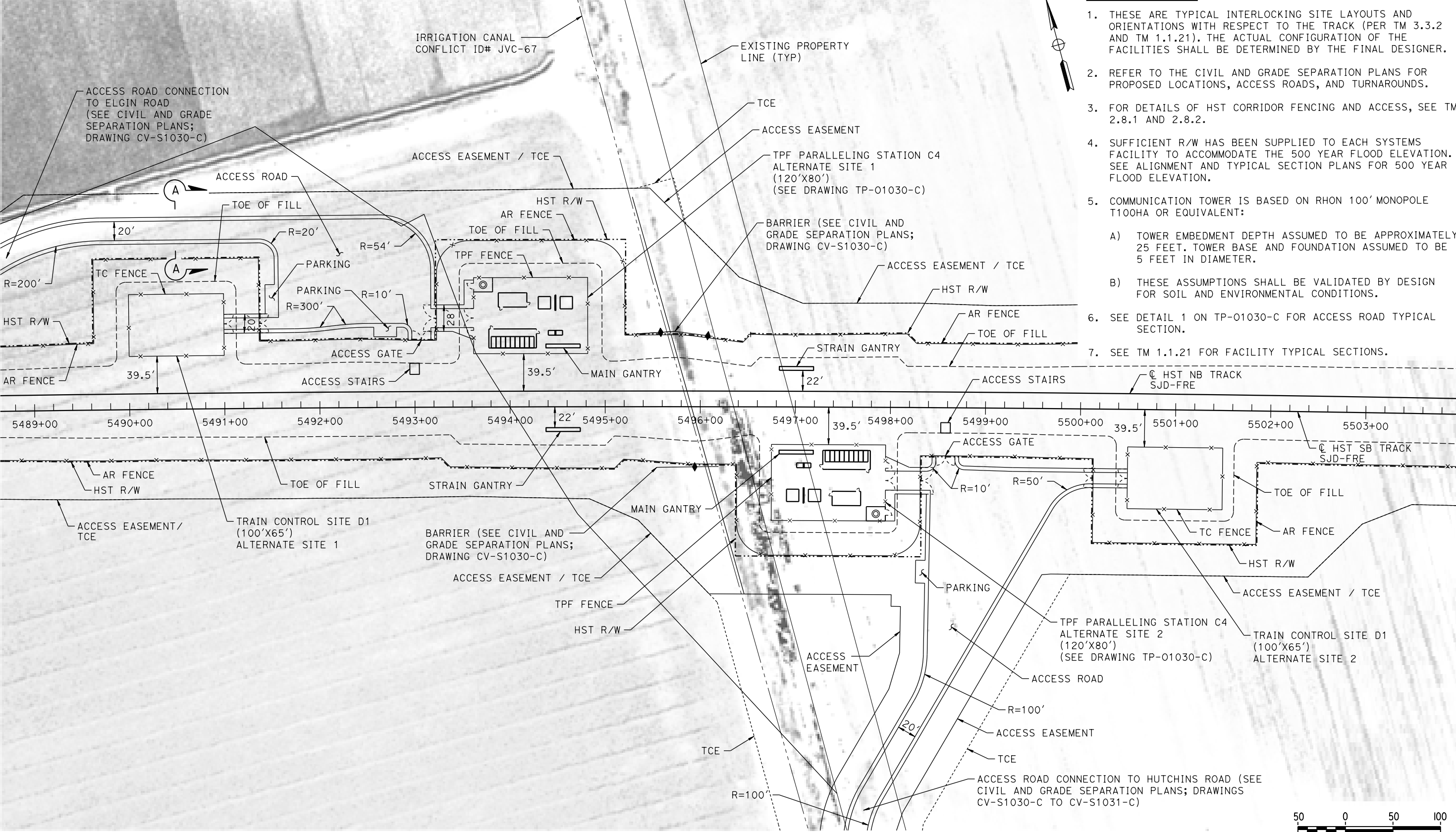
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 4 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1501-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY



GENERAL NOTES:

1. THESE ARE TYPICAL INTERLOCKING SITE LAYOUTS AND ORIENTATIONS WITH RESPECT TO THE TRACK (PER TM 3.3.2 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. REFER TO THE CIVIL AND GRADE SEPARATION PLANS FOR PROPOSED LOCATIONS, ACCESS ROADS, AND TURNAROUNDS.
3. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS, SEE TM 2.8.1 AND 2.8.2.
4. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR 500 YEAR FLOOD ELEVATION.
5. COMMUNICATION TOWER IS BASED ON RHON 100' MONOPOLE T100HA OR EQUIVALENT:
A) TOWER EMBEDMENT DEPTH ASSUMED TO BE APPROXIMATELY 25 FEET. TOWER BASE AND FOUNDATION ASSUMED TO BE 5 FEET IN DIAMETER.
B) THESE ASSUMPTIONS SHALL BE VALIDATED BY DESIGN FOR SOIL AND ENVIRONMENTAL CONDITIONS.
6. SEE DETAIL 1 ON TP-01030-C FOR ACCESS ROAD TYPICAL SECTION.
7. SEE TM 1.1.21 FOR FACILITY TYPICAL SECTIONS.

PLAN



p0042226 11-MAR-2016 07:54 MF-TC-F1030-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 03/18/2016

RECORD SET
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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
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

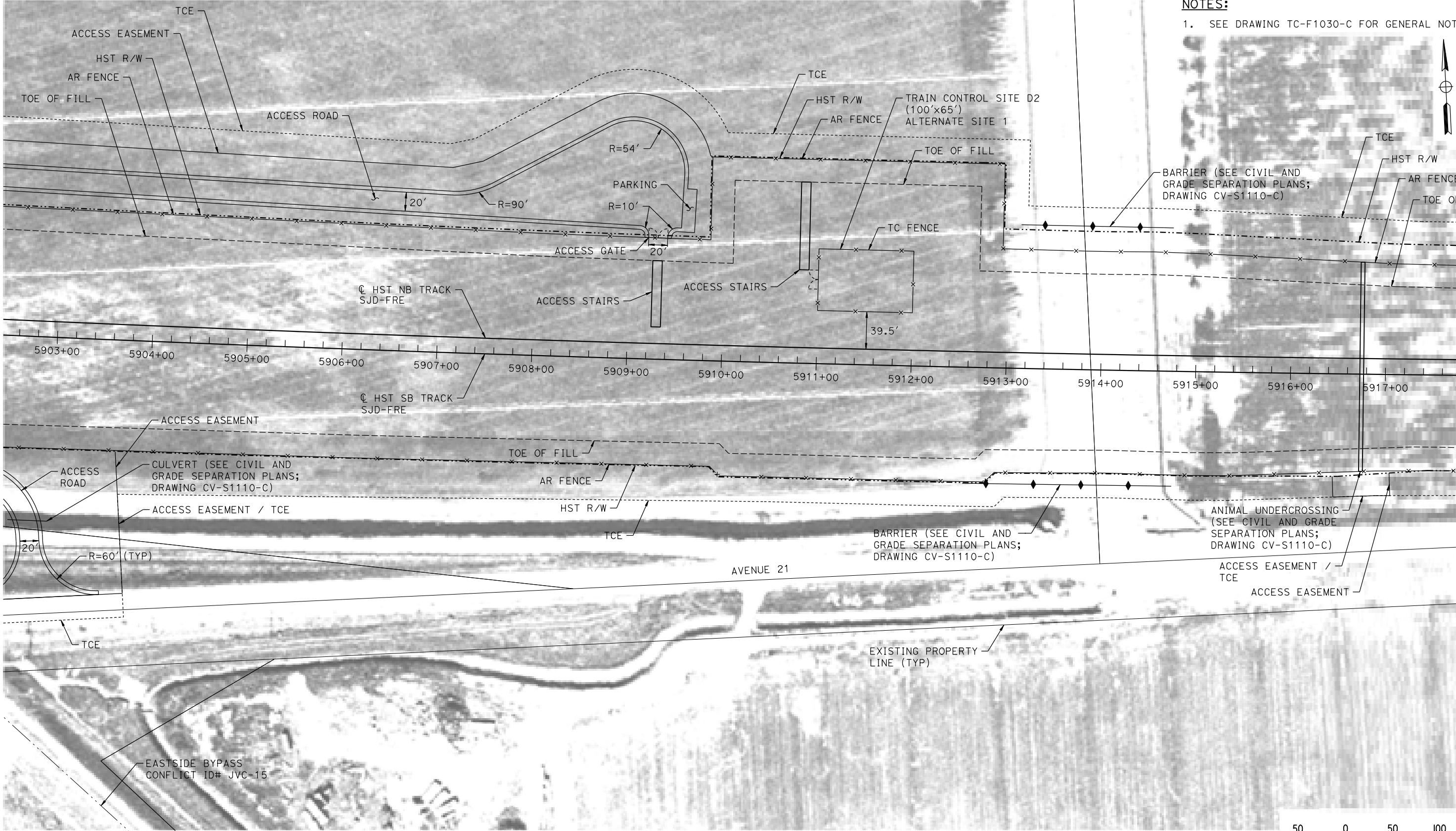
DRAWING NO.
TC-F1030-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

- NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:35 MF-TC-F1110-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY J. CASTILLO
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1110-C
SCALE AS SHOWN
SHEET NO.

NOTES:

1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



p005133A 07-MAR-201612:36 MF-TC-F1111-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET
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SUBMITTAL**

**NOT FOR
CONSTRUCTION**



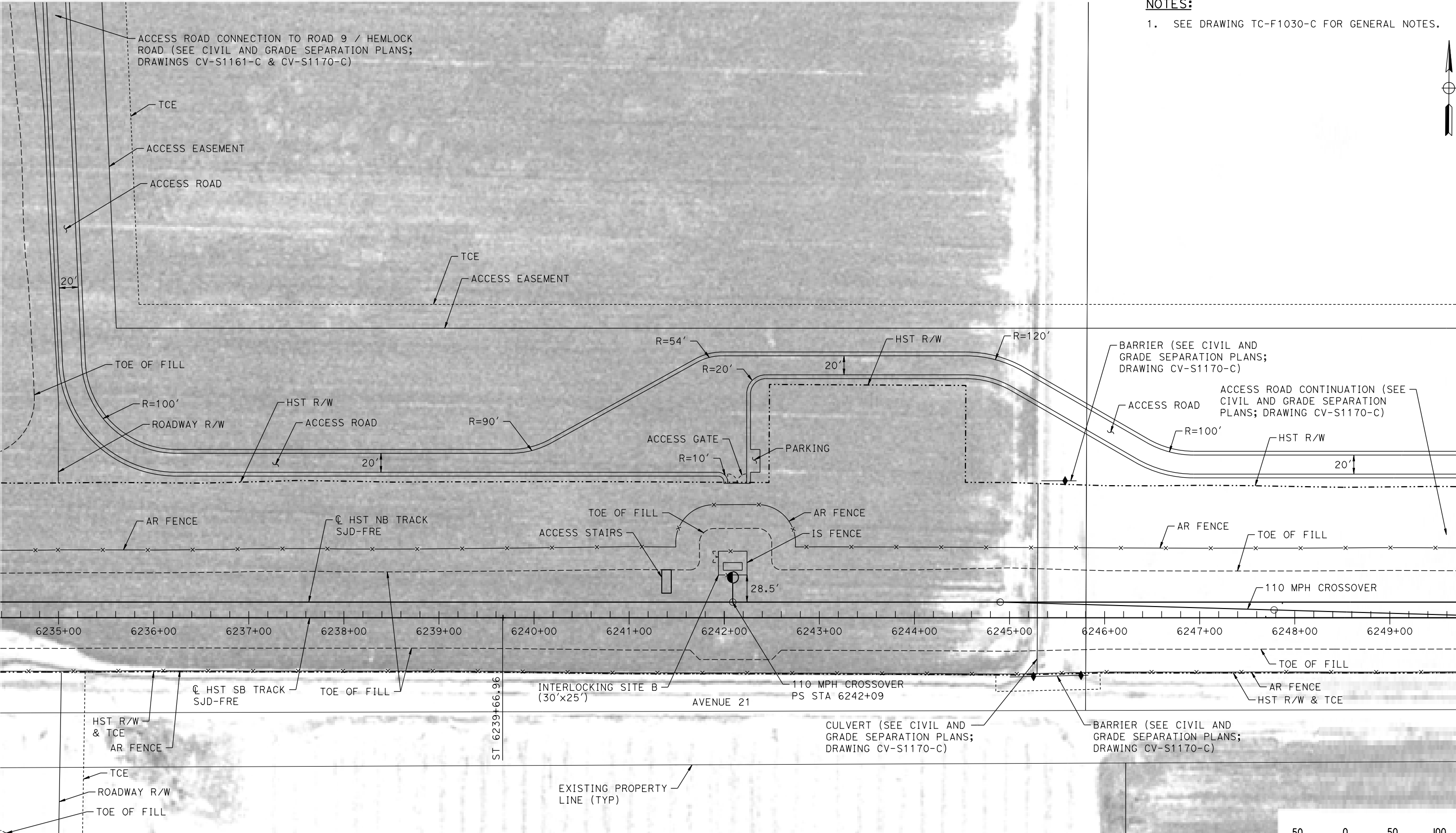
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 AUTOMATIC TRAIN CONTROL SITE PLAN
 TRAIN CONTROL SITE D2 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1111-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:35 MF-TC-F1170-C.dgn

PO05133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



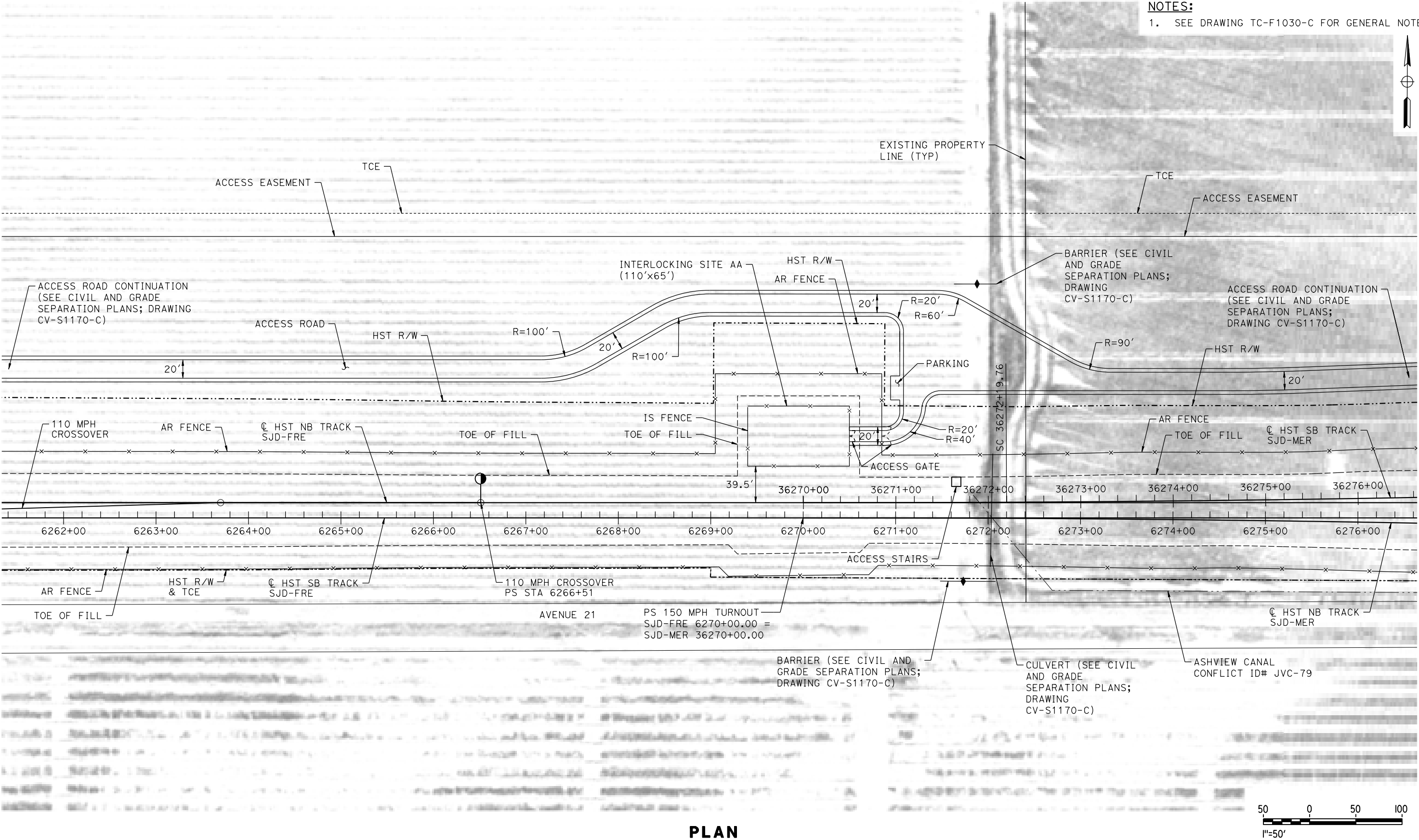
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6242+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1170-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

07-MAR-2016 21:37 MF-TC-F1171-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

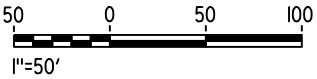
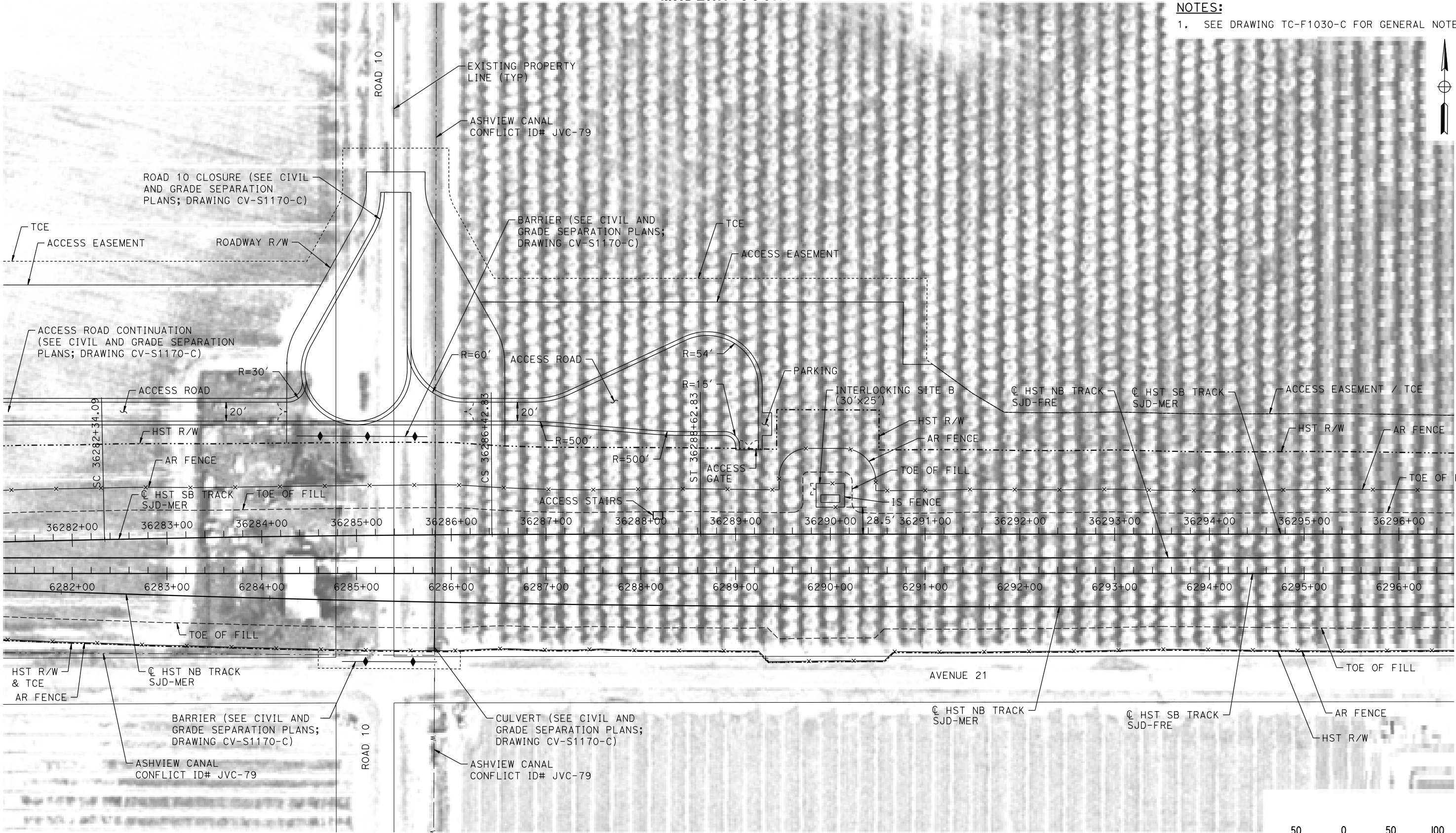


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6270+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1171-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

MF-TC-F1172-C.dgn
07-MAR-2016 21:38
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

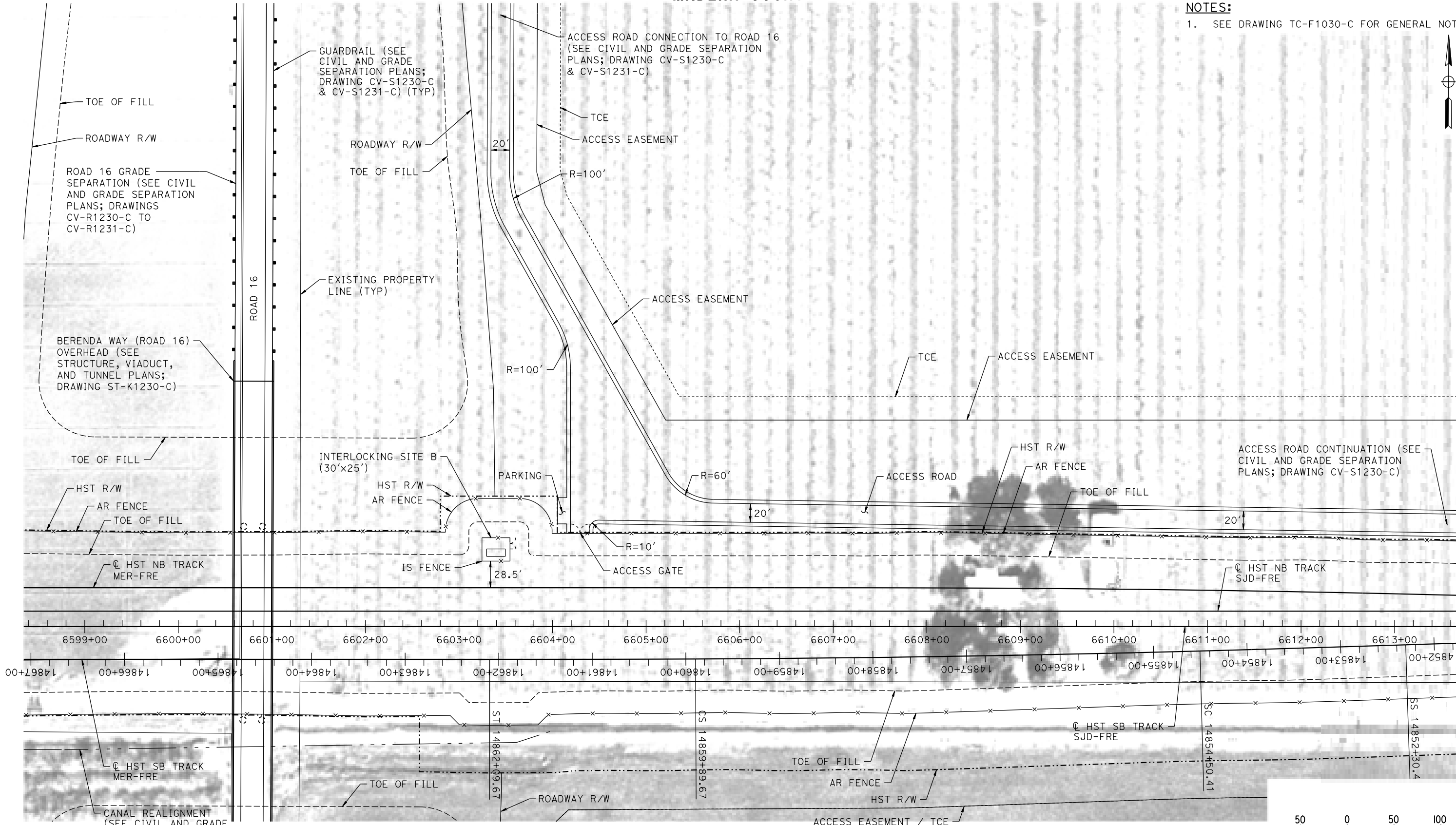


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6290+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1172-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 10:36 MF-TC-F1230-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

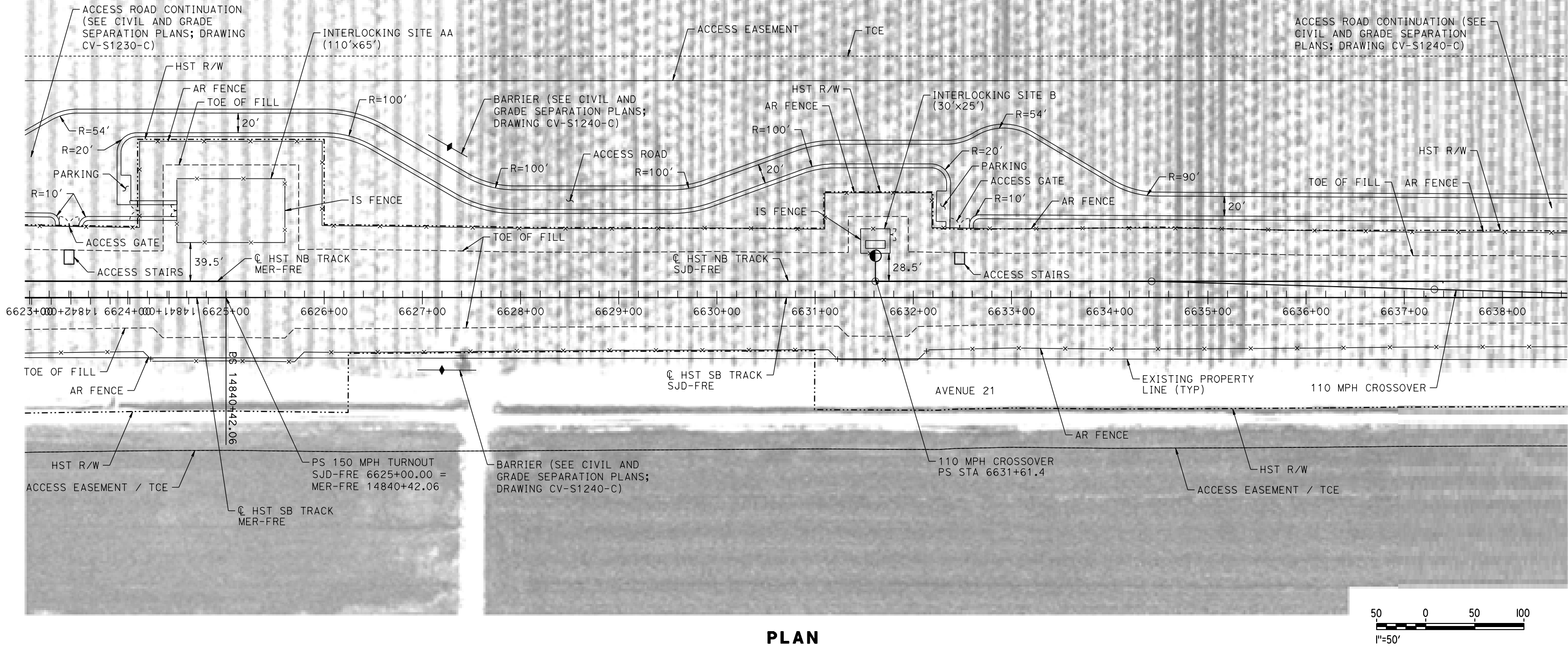


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6603+50

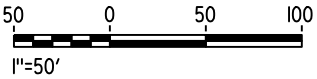
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1230-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN



07-MAR-2016 12:39 MF-TC-F1240-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

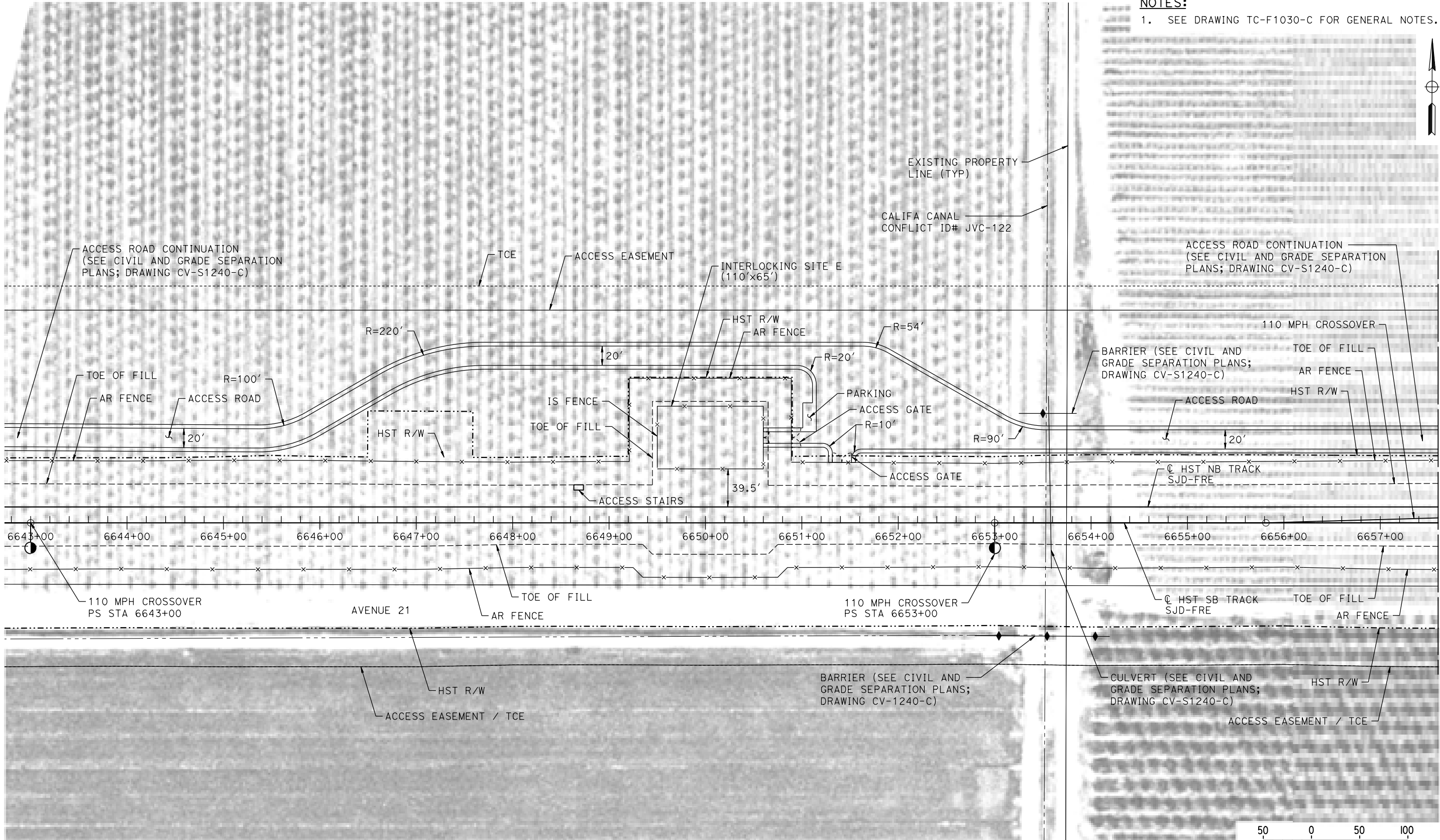


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6625+00 & SITE B @ 6631+61.4

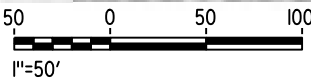
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1240-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN



18-MAR-2016 01:36 MF-TC-F1241-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION

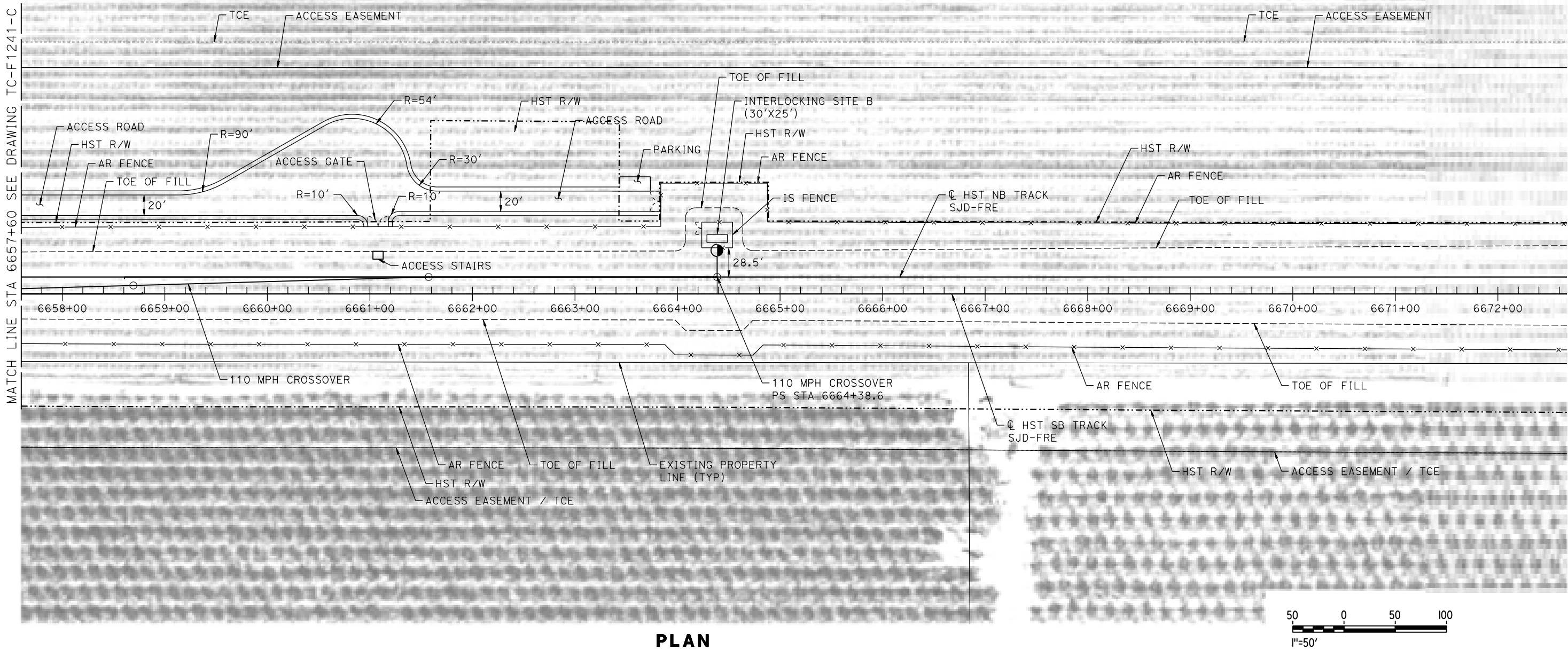


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6650+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1241-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

- NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

18-MAR-2016 01:37 MF-TC-F1242-C.dgn

PO05133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

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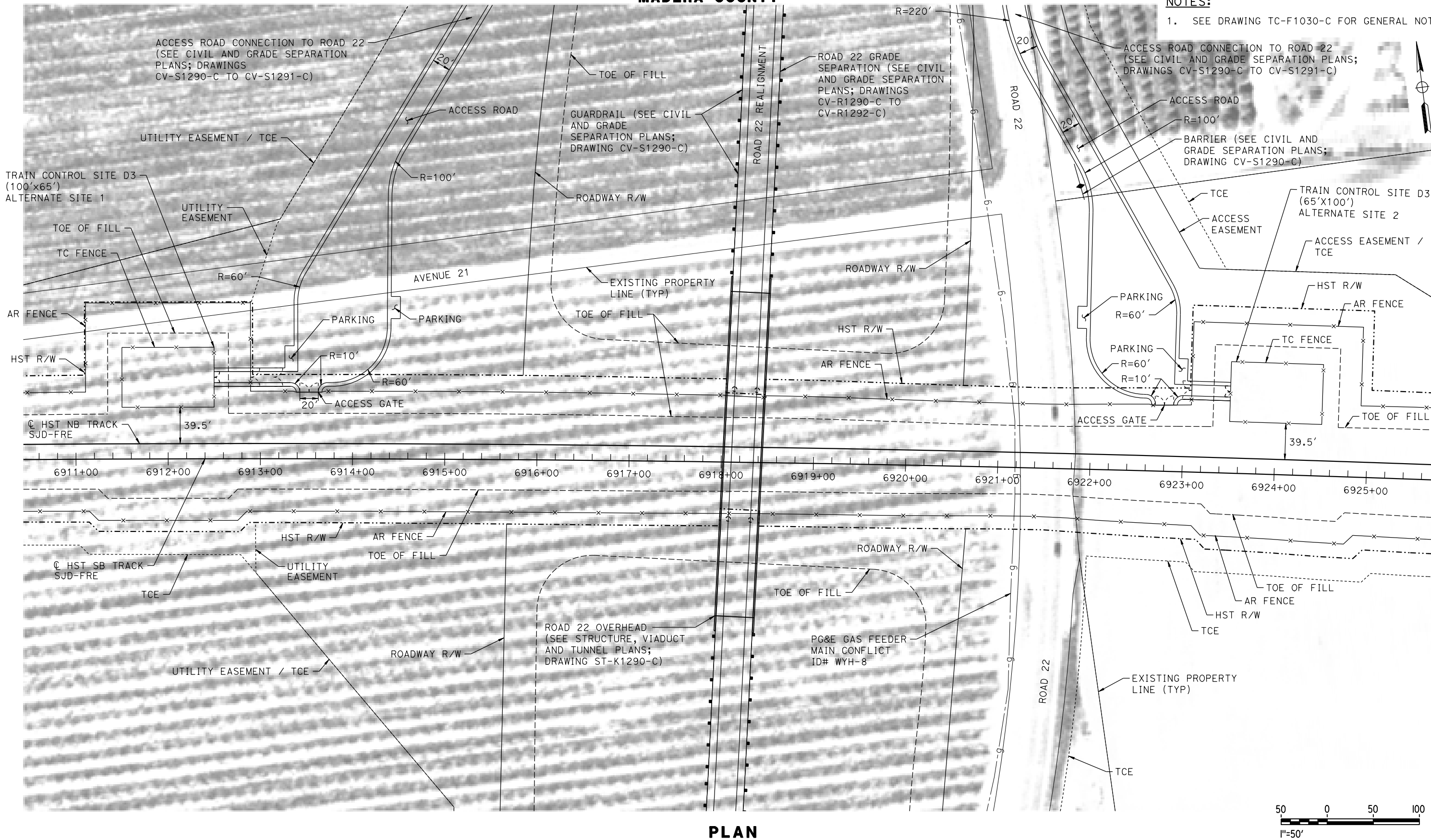
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MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6664+40

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1242-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

07-MAR-2016 2:41 MF-TC-F1290-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



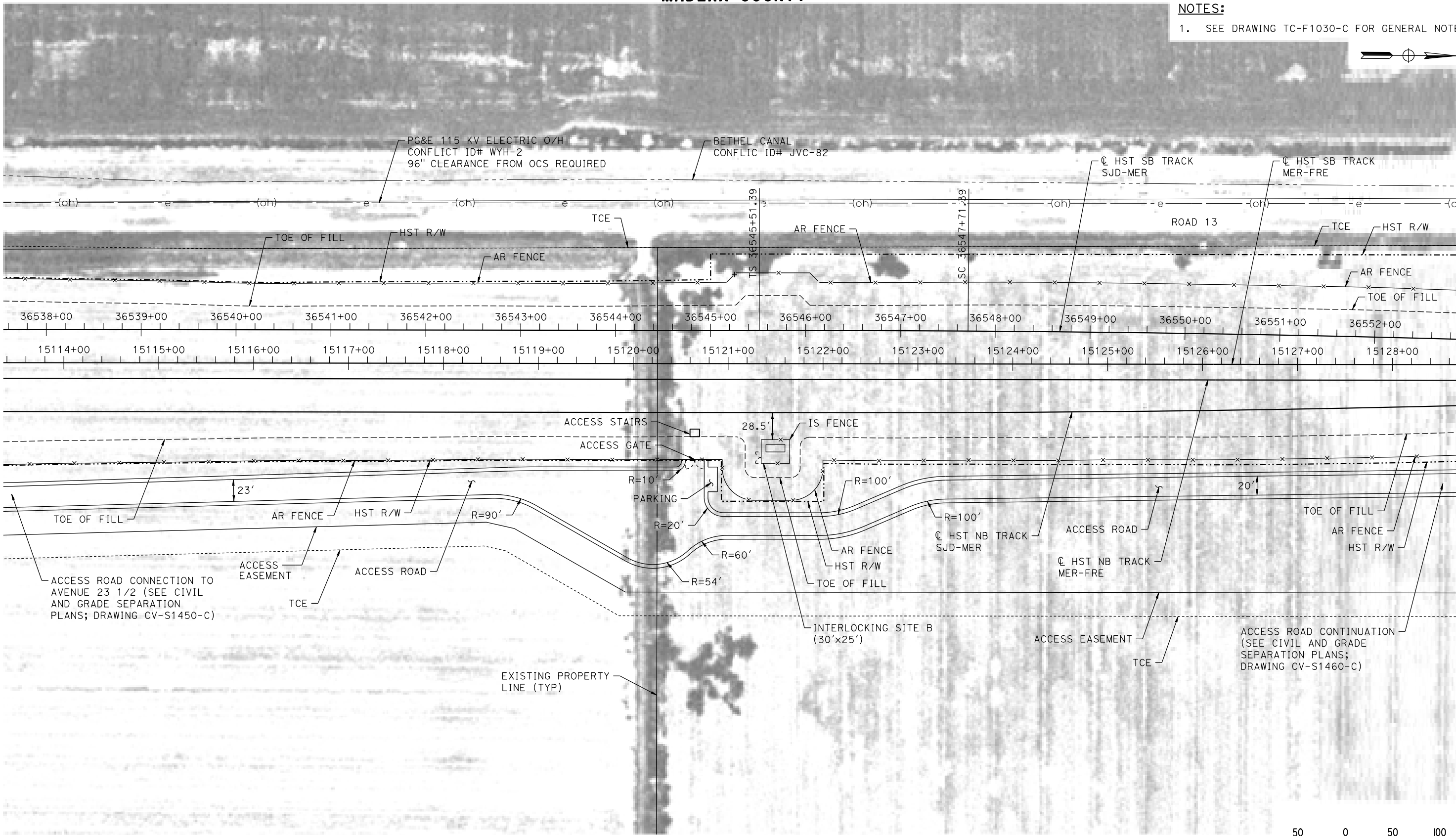
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1290-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN



MF-TC-F1460-C.dgn
07-MAR-2016 12:42
p005133a

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

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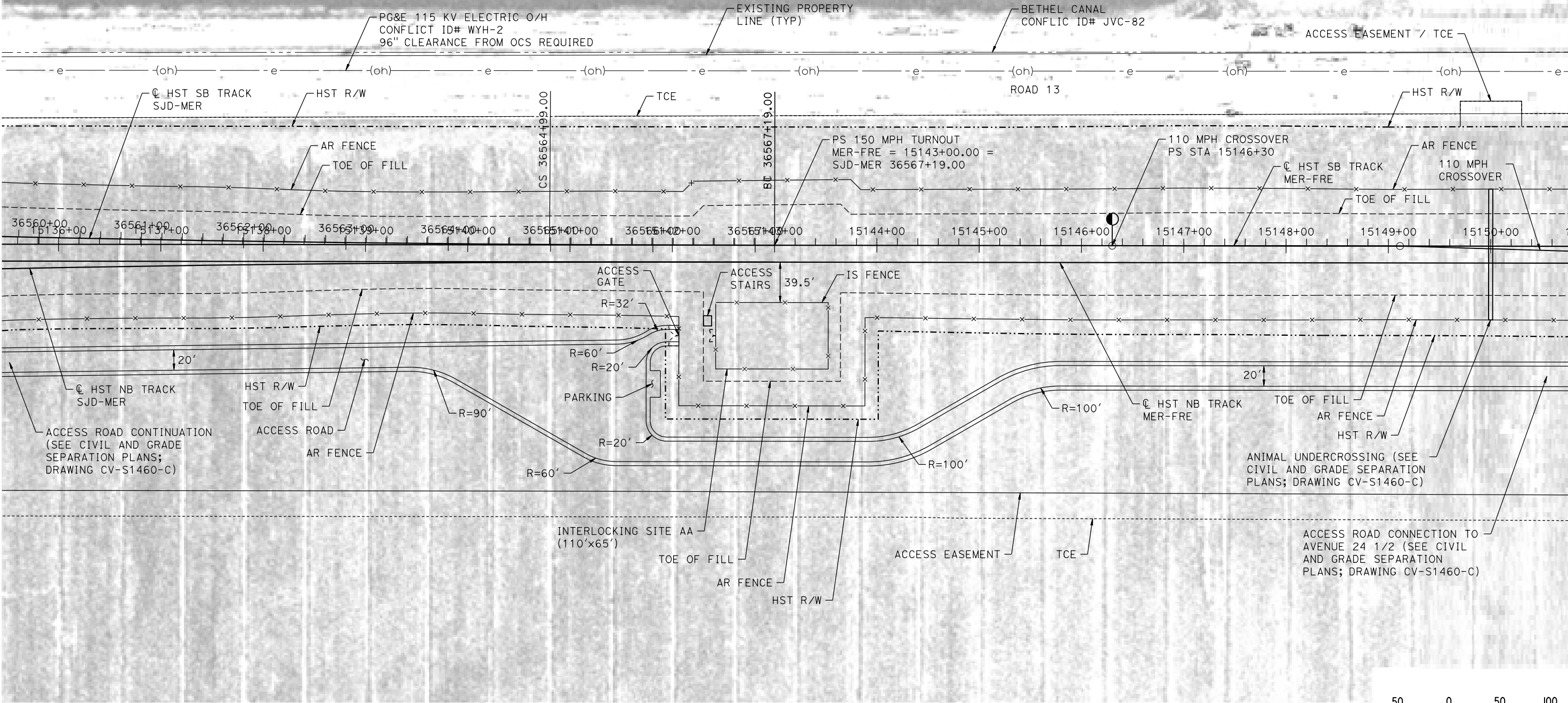


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15121+50

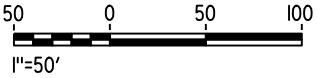
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1460-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN



07-MAR-2016 12:42 MF-TC-F1461-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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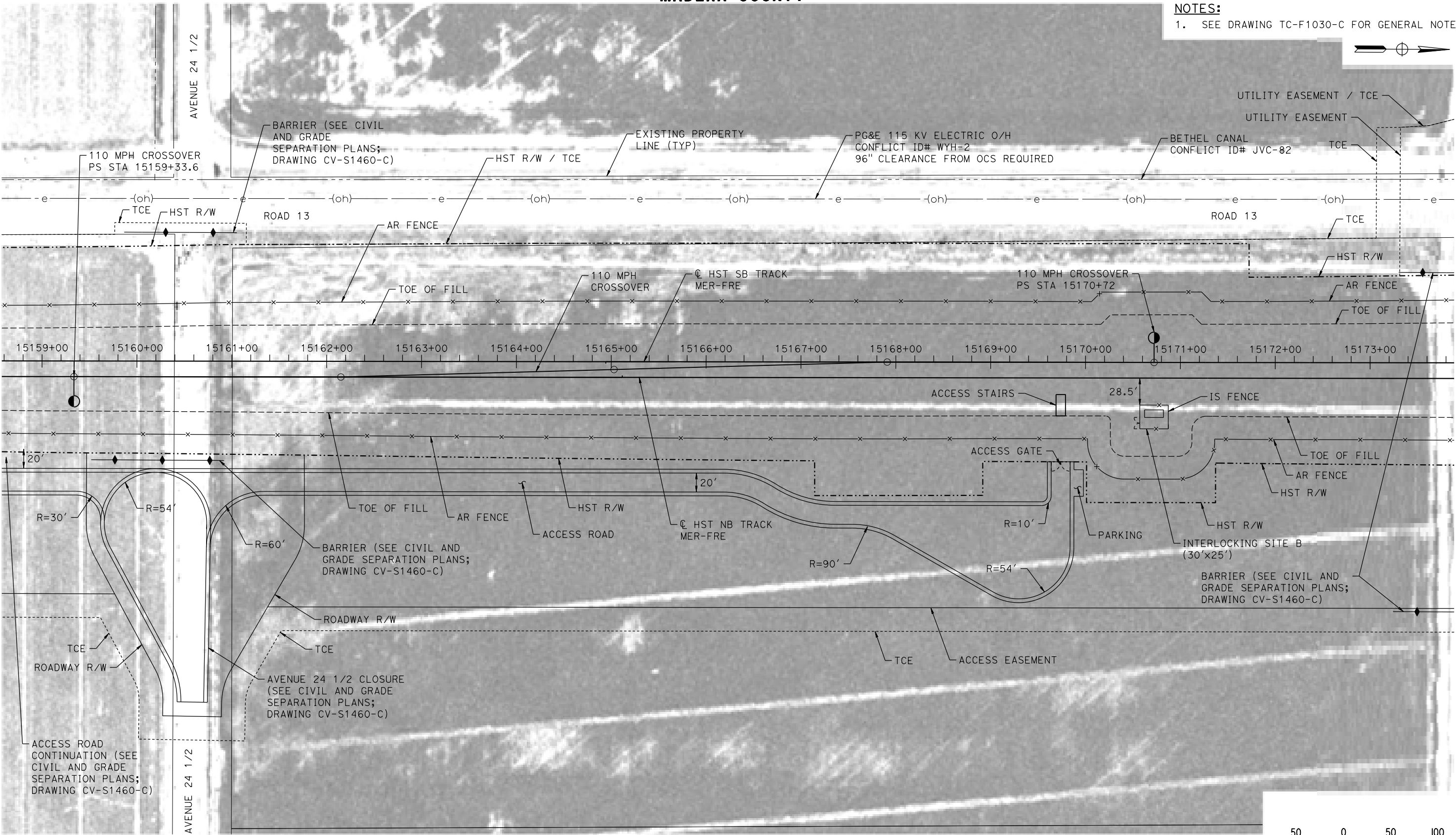


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15143+00

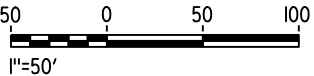
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1461-C
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN



18-MAR-2016 10:37 MF-TC-F1462-C.dgn

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. GURA
DRAWN BY M. TACTAY
CHECKED BY A. GURA
IN CHARGE C. LEMLEY
DATE 03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

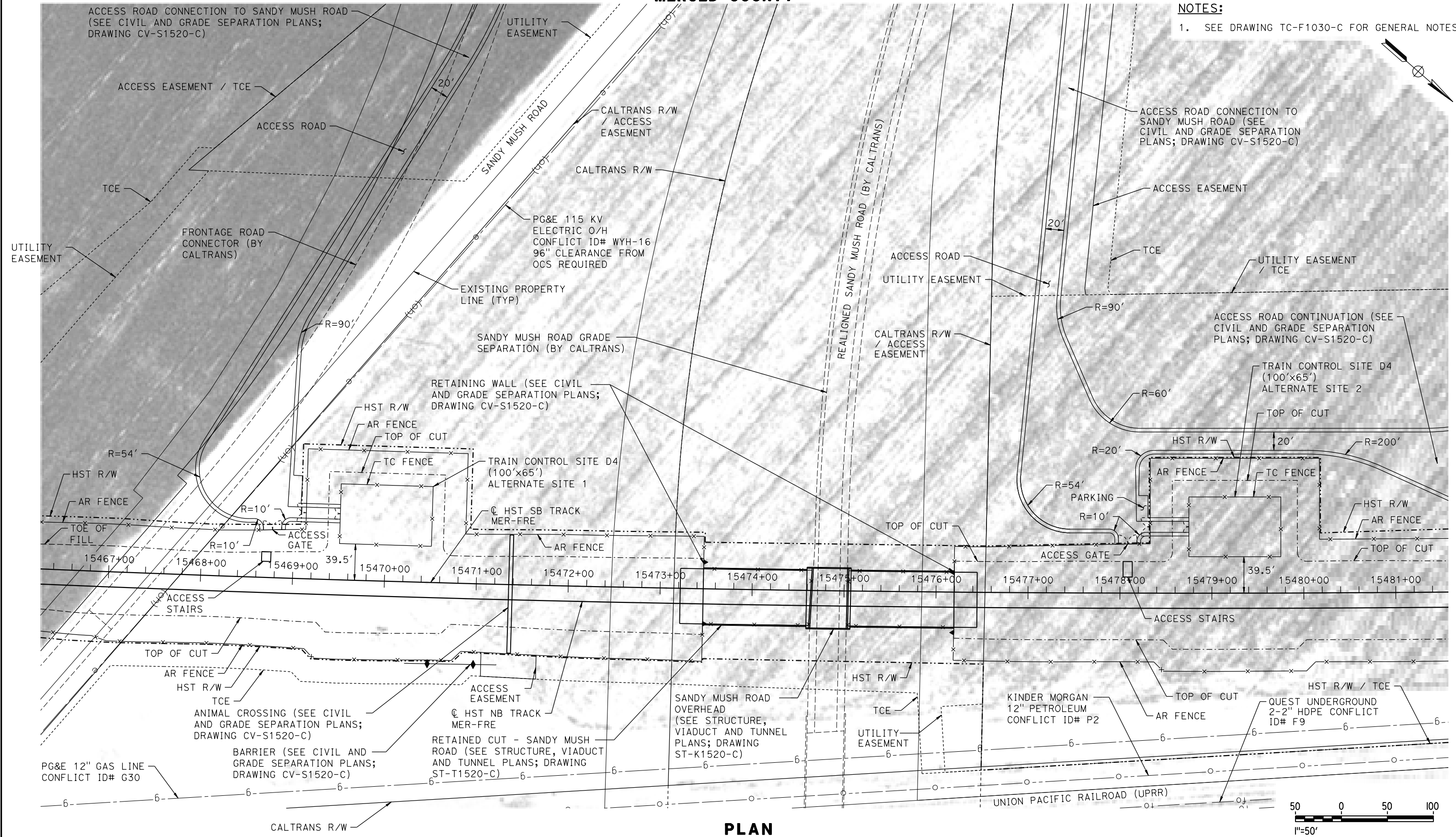
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15170+73

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1462-C
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-C FOR GENERAL NOTES.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. GURA
DRAWN BY	J. CASTILLO
CHECKED BY	A. GURA
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET
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SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1520-C

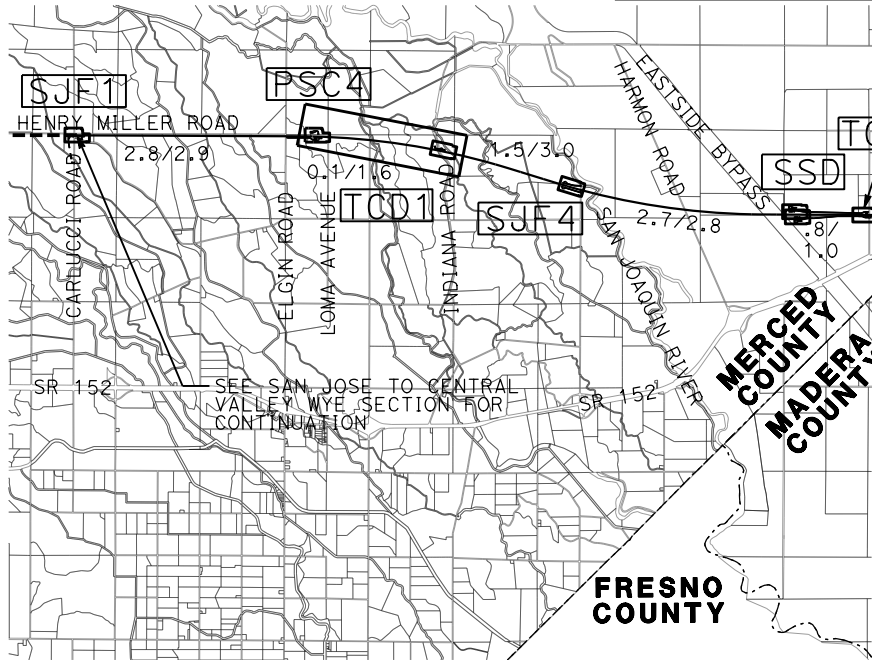
SCALE
AS SHOWN

SHEET NO.

LEGEND:

PSC4	FACILITY (SEE TABLES)
2.4/2.9	MIN/MAX SPACING IN MILES BETWEEN FACILITIES
FRE	FRESNO
IS	INTERLOCKING SITE
MER	MERCED
NIC	NOT IN CONTRACT
PS	PARALLELING STATION, POINT OF SWITCH
SJD	SAN JOSE DIRIDON
SJV	SAN JOAQUIN VALLEY
SRS	STANDALONE RADIO SITE
SS	SUBSTATION
SWS	SWITCHING STATION
TC	TRAIN CONTROL
TO	TURNOUT
TPF	TRACTION POWER FACILITY
UXO	UNIVERSAL CROSSOVER

STANDALONE RADIO SITES			
FACILITY NAME	LOCATION	DRAWING NO.	
SJF 1	SJD-FRE 5339+50	CO-F1010-D	
SJF 4	SJD-FRE 5645+00	CO-F1060-D	
	SJD-FRE 5645+50	CO-F1060-D	
SJF 7	SJD-FRE 5900+00	CO-F1110-D	
	SJD-FRE 5912+00	CO-F1111-D	
SJF 11	SJD-FRE 6205+00	CO-F1160-D	
	SJD-FRE 6215+00	CO-F1160-D	
SJF 13	SJD-FRE 6418+00	CO-F1200-D	
	SJD-FRE 6423+00	CO-F1200-D	
SJF 17	SJD-FRE 6723+00	CO-F1250-D	
	SJD-FRE 6728+00	CO-F1250-D	
SJF 20	SJD-FRE 7020+00	CO-F1310-D	
	SJD-FRE 7037+00	CO-F1311-D	
MF 2	MER-FRE 15277+50	CO-F1460-D	
	MER-FRE 15285+00	CO-F1460-D	
MF 6	MER-FRE 15492+00	CO-F1490-D	
	MER-FRE 15510+00	CO-F1500-D	

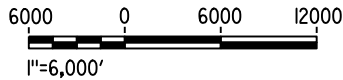
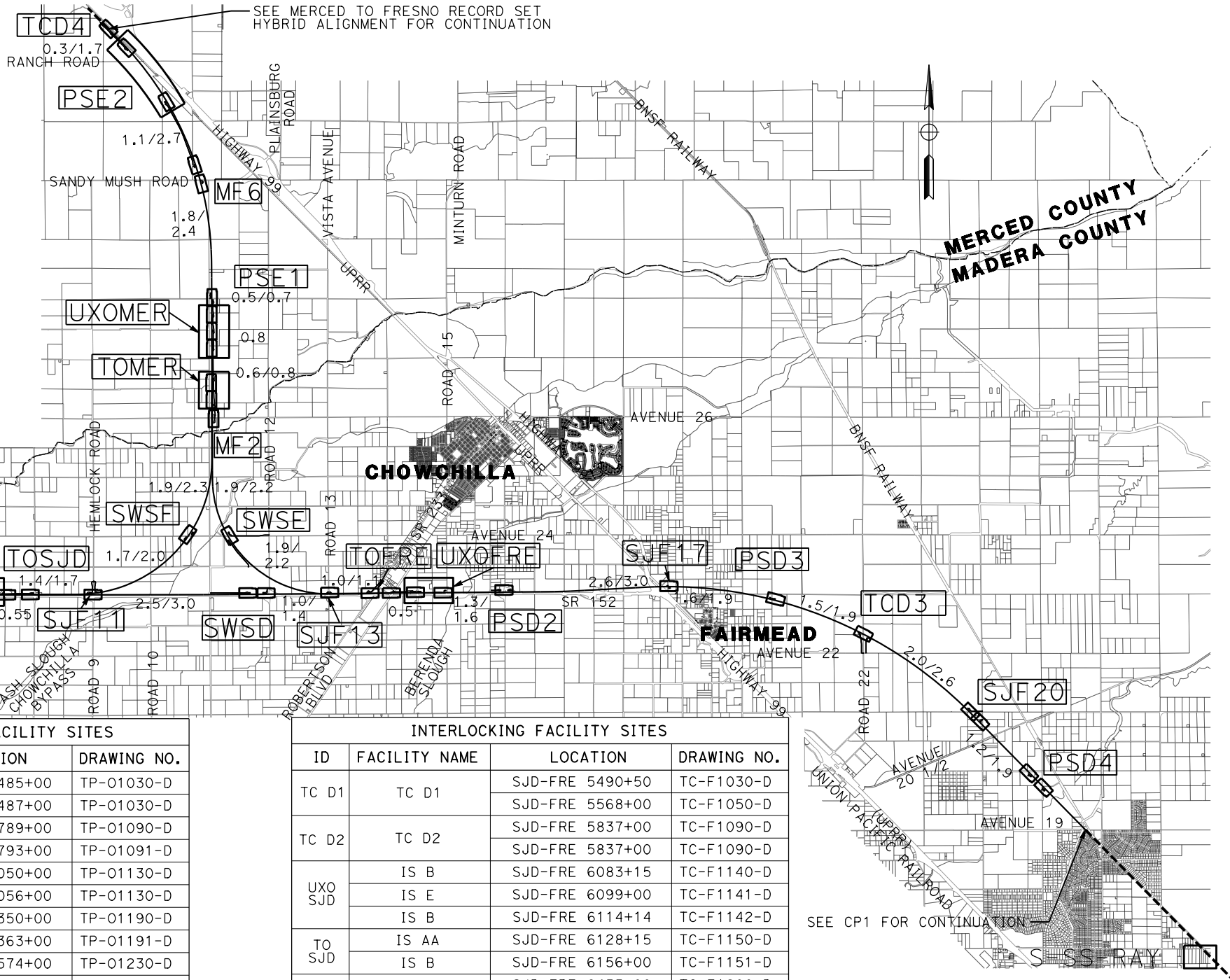


TRACTION POWER FACILITY SITES			
FACILITY NAME	LOCATION	DRAWING NO.	
PS C4	SJD-FRE 5485+00	TP-01030-D	
	SJD-FRE 5487+00	TP-01030-D	
SS D	SJD-FRE 5789+00	TP-01090-D	
	SJD-FRE 5793+00	TP-01091-D	
PS D1	SJD-FRE 6050+00	TP-01130-D	
	SJD-FRE 6056+00	TP-01130-D	
SWS D	SJD-FRE 6350+00	TP-01190-D	
	SJD-FRE 6363+00	TP-01191-D	
PS D2	SJD-FRE 6574+00	TP-01230-D	
	SJD-FRE 6581+50	TP-01230-D	
PS D3	SJD-FRE 6816+00	TP-01270-D	
	SJD-FRE 6820+00	TP-01270-D	
PS D4	SJD-FRE 7102+50	TP-01320-D	
	SJD-FRE 7120+00	TP-01321-D	
SWS E	MER-FRE 15170+00	TP-01440-D	
	MER-FRE 15176+00	TP-01440-D	
PS E1	MER-FRE 15387+00	TP-01480-D	
	MER-FRE 15393+00	TP-01480-D	
PS E2	MER-FRE 15572+00	TP-01510-D	
	MER-FRE 15630+00	TP-01520-D	
SWS F	SJD-MER 36309+00	TP-01640-D	
	SJD-MER 36317+00	TP-01640-D	

INTERLOCKING FACILITY SITES			
ID	FACILITY NAME	LOCATION	DRAWING NO.
TC D1	TC D1	SJD-FRE 5490+50	TC-F1030-D
		SJD-FRE 5568+00	TC-F1050-D
TC D2	TC D2	SJD-FRE 5837+00	TC-F1090-D
		SJD-FRE 5837+00	TC-F1090-D
UXO SJD	IS B	SJD-FRE 6083+15	TC-F1140-D
	IS E	SJD-FRE 6099+00	TC-F1141-D
	IS B	SJD-FRE 6114+14	TC-F1142-D
TO SJD	IS AA	SJD-FRE 6128+15	TC-F1150-D
	IS B	SJD-FRE 6156+00	TC-F1151-D
TO FRE	IS B	SJD-FRE 6455+00	TC-F1200-D
	IS AA	SJD-FRE 6477+00	TC-F1210-D
UXO FRE	IS B	SJD-FRE 6494+00	TC-F1211-D
	IS E	SJD-FRE 6503+00	TC-F1211-D
	IS B	SJD-FRE 6524+00	TC-F1220-D
TC D3	TC D3	SJD-FRE 6901+00	TC-F1280-D
		SJD-FRE 6912+00	TC-F1280-D
TO MER	IS B	MER-FRE 15294+00	TC-F1460-D
	IS AA	MER-FRE 15317+00	TC-F1461-D
UXO MER	IS B	MER-FRE 15344+15	TC-F1470-D
	IS E	MER-FRE 15360+00	TC-F1471-D
	IS B	MER-FRE 15374+15	TC-F1472-D
TC D4	TC D4	MER-FRE 15649+00	TC-F1520-D

CROSSOVER SPACING TABLE				
ID	PS TO PS (STATION)	MPH	DISTANCE TO PREVIOUS (MI)	
UXO SJV	5114+03 TO 5156+81	110	NIC	
UXO SJD	6083+15 TO 6114+14	80	17.54 (UXO SJV)	
UXO FRE	6494+00 TO 6524+00	80	7.19 (UXO SJD)	
UXO MER	15344+15 TO 15374+15	80	6.66 (UXO FRE) / 7.02 (UXO SJD)	

TURNOUT SPACING TABLE				
ID	PS (STATION)	MPH	DISTANCE TO NEAREST XO/UXO (MI)	
UXO SJD	SJD-FRE 6128+15	150	0.27 (UXO SJD)	
UXO FRE	SJD-FRE 6477+00	150	0.32 (UXO FRE)	
UXO MER	MER-FRE 15317+00	150	0.51 (UXO MER)	



DESIGNED BY
K. MA
DRAWN BY
H. MCINNIS
CHECKED BY
ECATELINO
IN CHARGE
C. LEMLEY
DATE
09/09/2016

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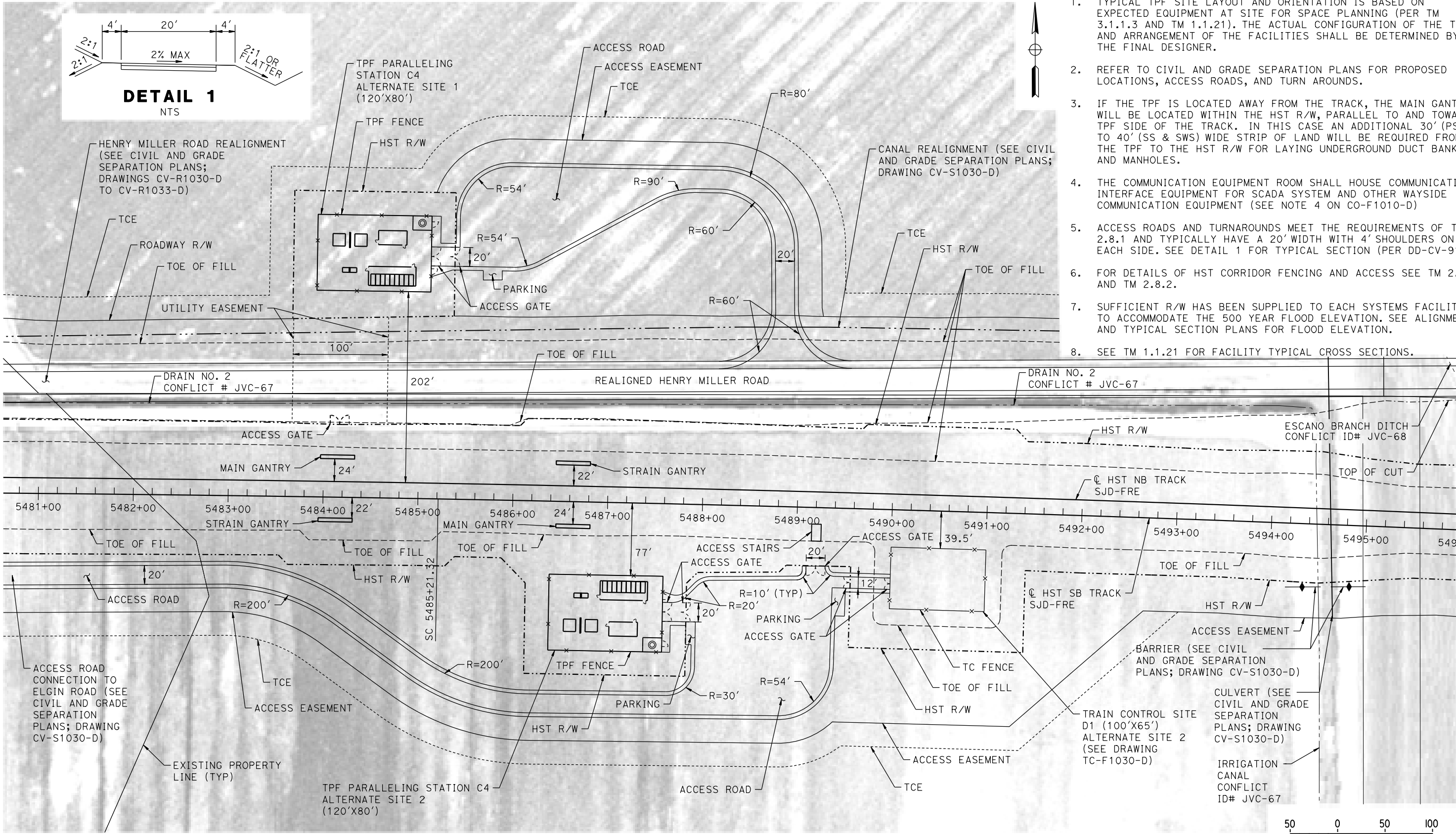
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-B4001-D
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

GENERAL NOTES:

1. TYPICAL TPF SITE LAYOUT AND ORIENTATION IS BASED ON EXPECTED EQUIPMENT AT SITE FOR SPACE PLANNING (PER TM 3.1.1.3 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE TPF AND ARRANGEMENT OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. REFER TO CIVIL AND GRADE SEPARATION PLANS FOR PROPOSED LOCATIONS, ACCESS ROADS, AND TURN AROUNDS.
3. IF THE TPF IS LOCATED AWAY FROM THE TRACK, THE MAIN GANTRY WILL BE LOCATED WITHIN THE HST R/W, PARALLEL TO AND TOWARDS TPF SIDE OF THE TRACK. IN THIS CASE AN ADDITIONAL 30' (PS) TO 40' (SS & SWS) WIDE STRIP OF LAND WILL BE REQUIRED FROM THE TPF TO THE HST R/W FOR LAYING UNDERGROUND DUCT BANK AND MANHOLES.
4. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT (SEE NOTE 4 ON CO-F1010-D)
5. ACCESS ROADS AND TURNAROUNDS MEET THE REQUIREMENTS OF TM 2.8.1 AND TYPICALLY HAVE A 20' WIDTH WITH 4' SHOULDERS ON EACH SIDE. SEE DETAIL 1 FOR TYPICAL SECTION (PER DD-CV-915).
6. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND TM 2.8.2.
7. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR FLOOD ELEVATION.
8. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

MF-TP-01030-D.dgn
14-AUG-2016 07:14
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

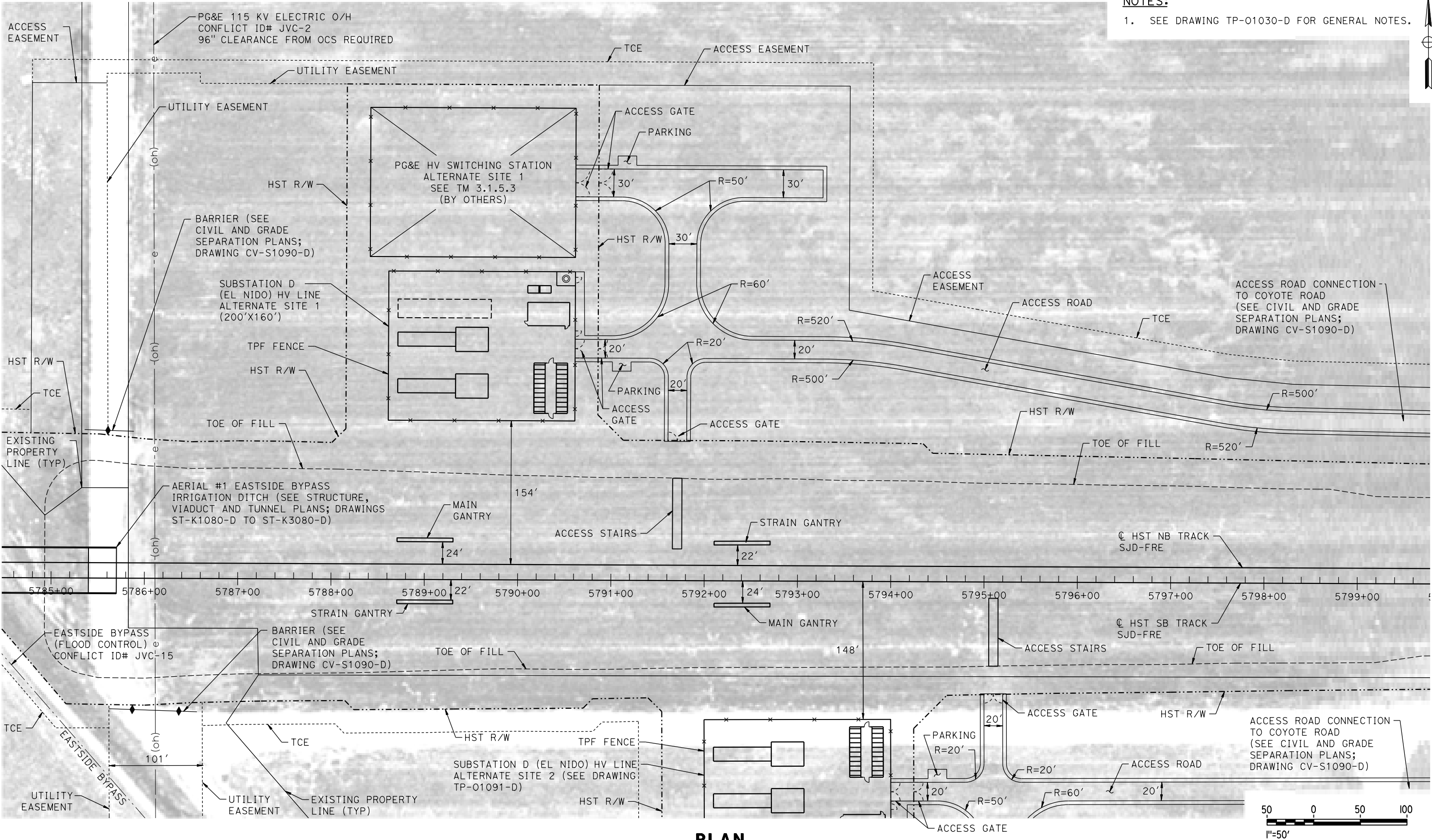
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01030-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

DESIGNED BY
K. MA
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H. MCINNIS
CHECKED BY
ECASTELINO
IN CHARGE
C. LEMLEY
DATE
09/09/2016

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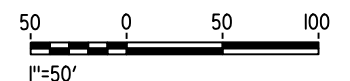
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01090-D
SCALE
AS SHOWN
SHEET NO.

30-AUG-2016 16:21:27 MF-TP-01090-D.dgn



CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01091-D

SCALE
AS SHOWN

SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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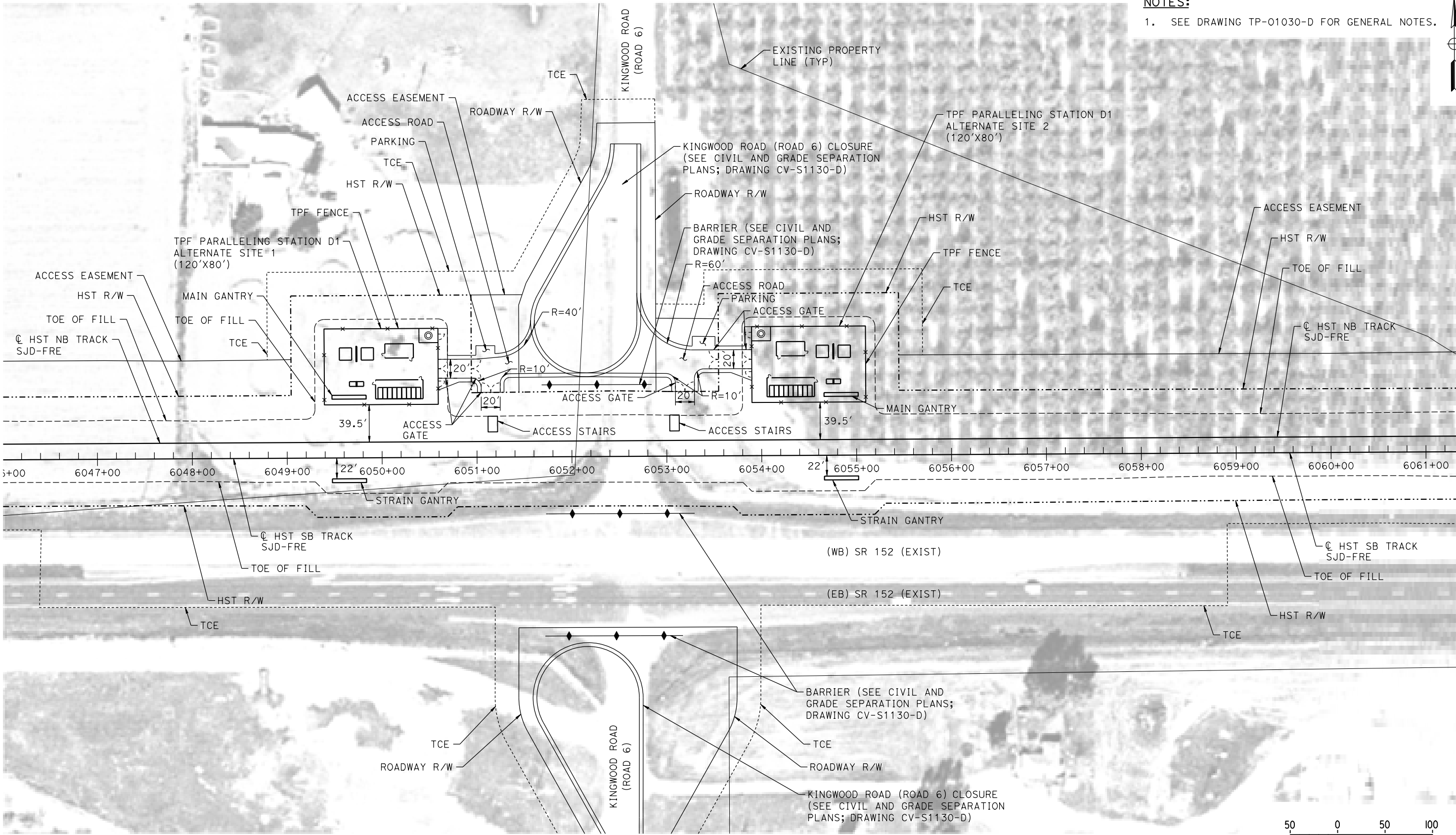
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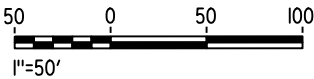
MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN



12-AUG-2016 11:04 MF-TP-01130-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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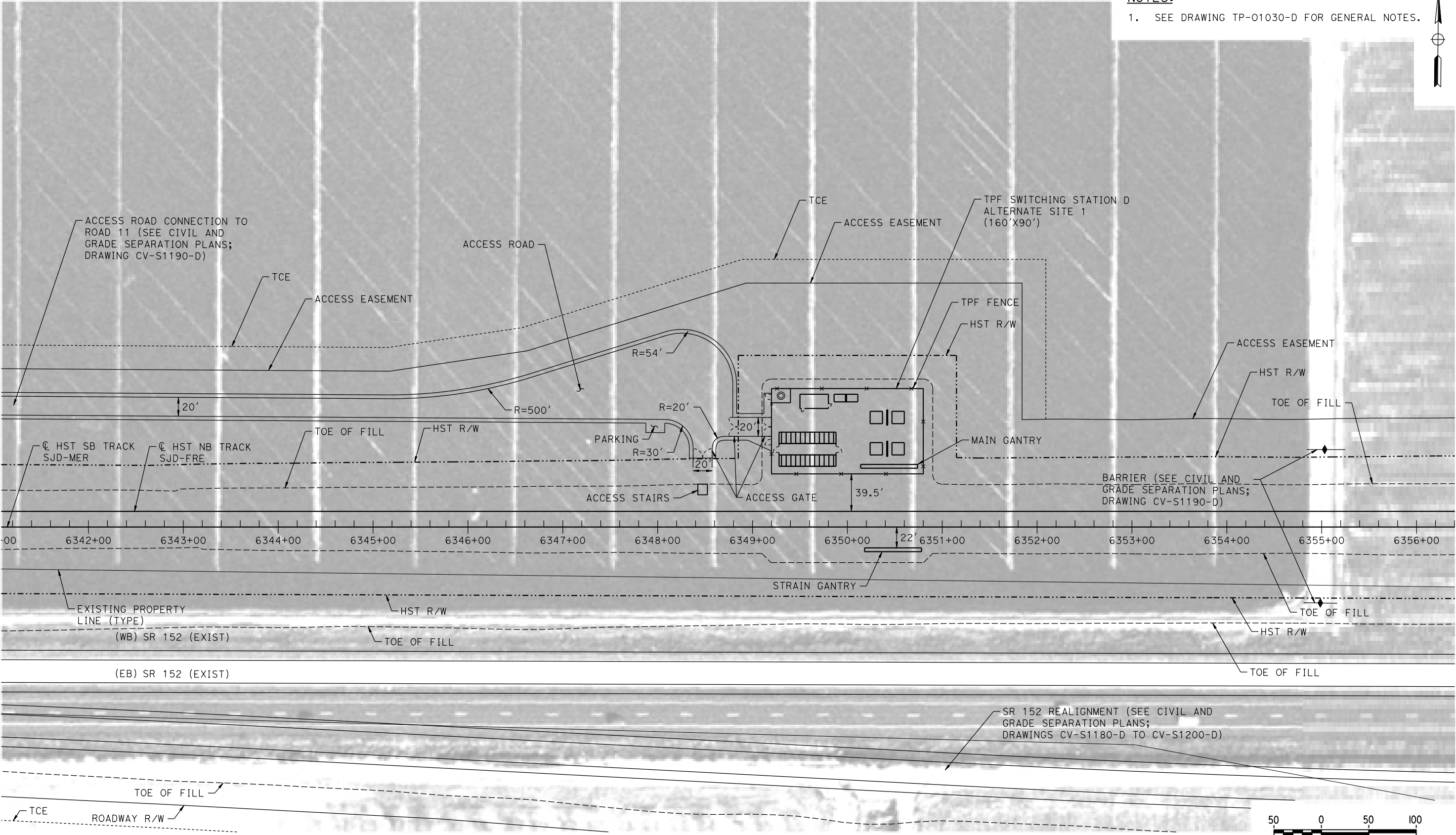
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01130-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 10:00 MF-TP-01190-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



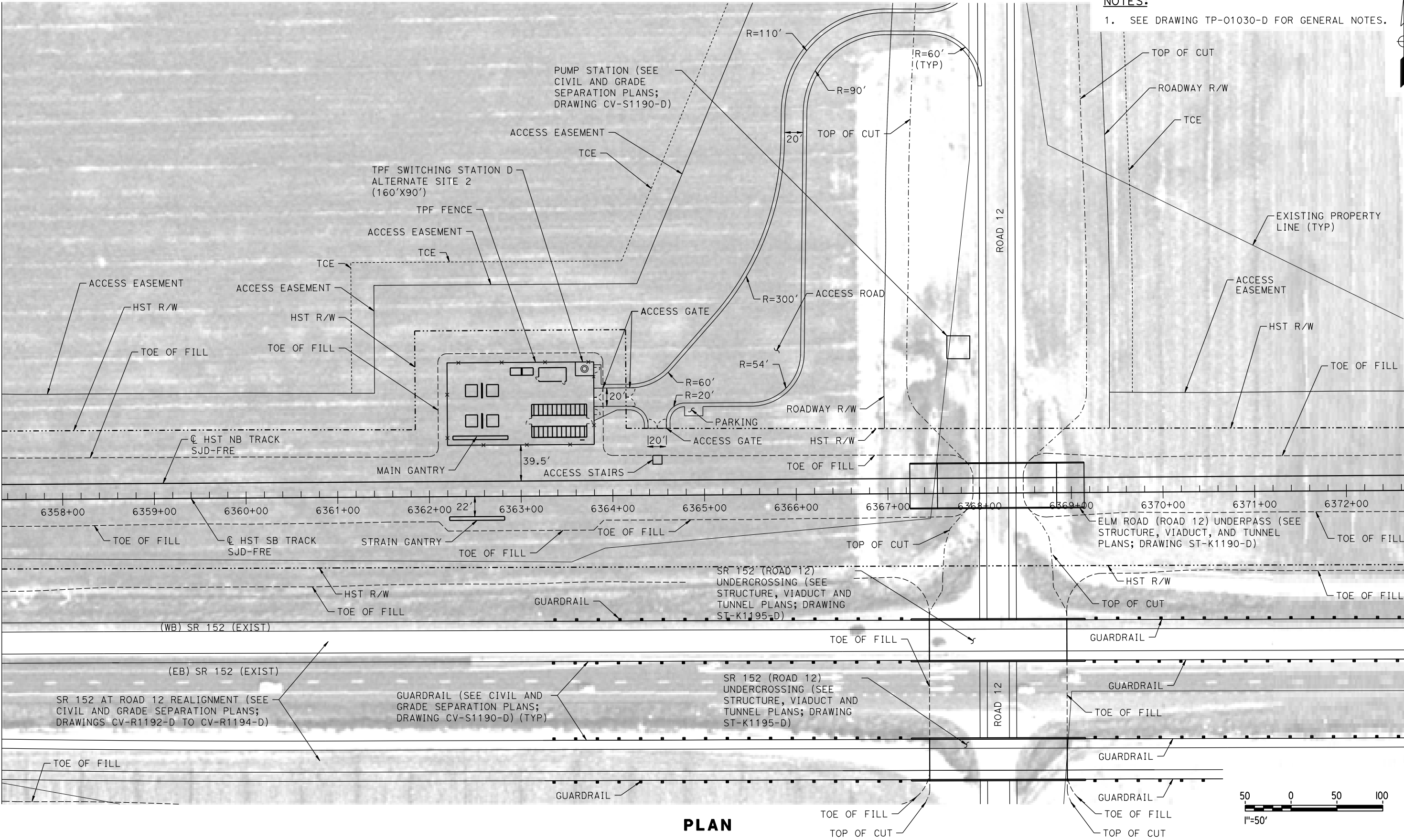
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01190-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN



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H. MCINNIS
CHECKED BY
ECASTELINO
IN CHARGE
C. LEMLEY
DATE
08/12/2016

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01191-D
SCALE
AS SHOWN
SHEET NO.

12-AUG-2016 11:06 MF-TP-01191-D.dgn

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

01-SEP-2016 06:31 MF-TP-01230-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01230-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

p0042226 12-AUG-2016 11:07 MF-TP-01270-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

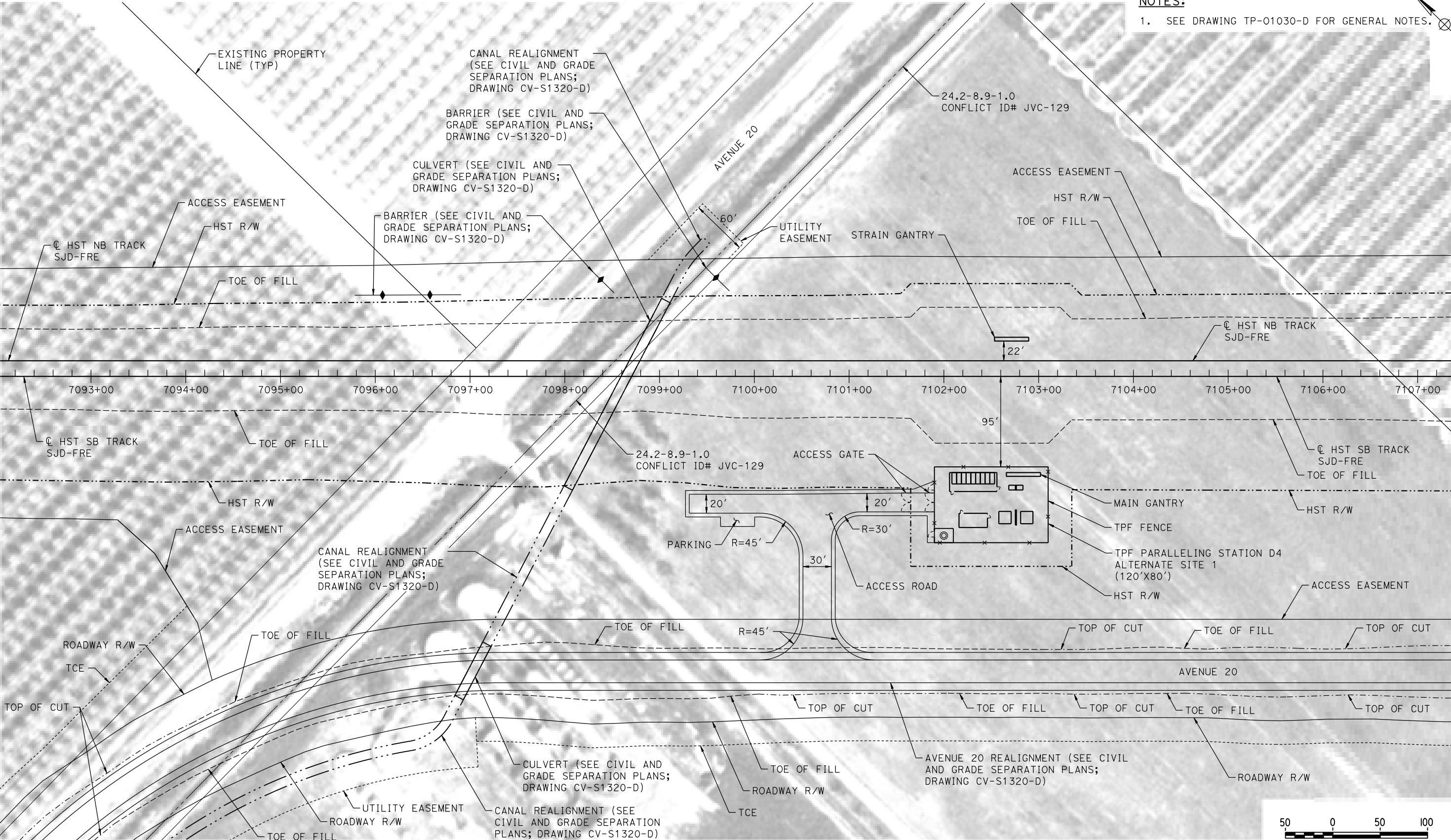
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01270-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 11:08 MF-TP-01320-D.dgn

0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

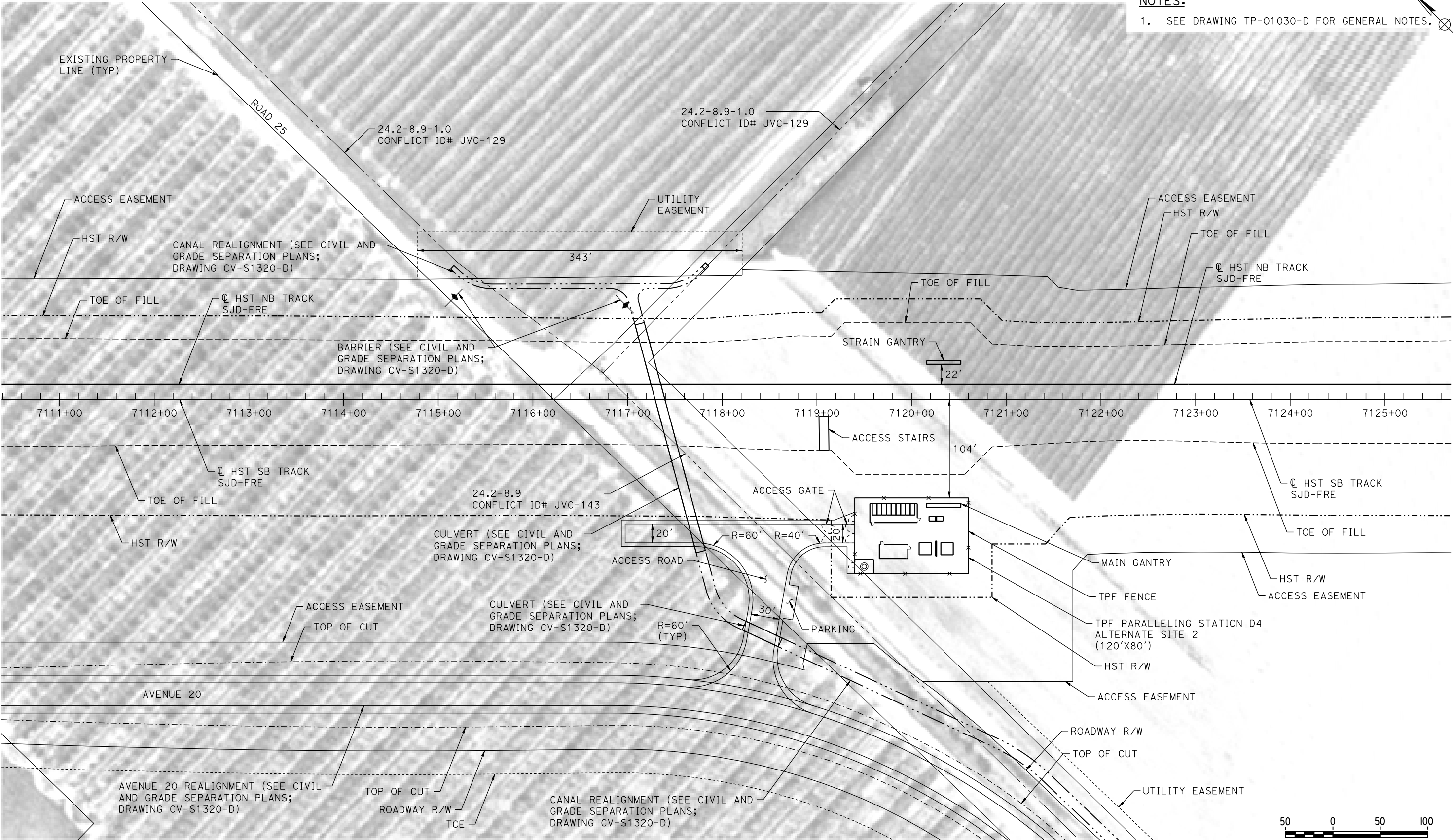
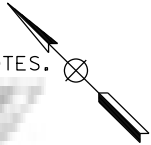
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01320-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

p0042226 12-AUG-2016 01:00 MF-TP-01321-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



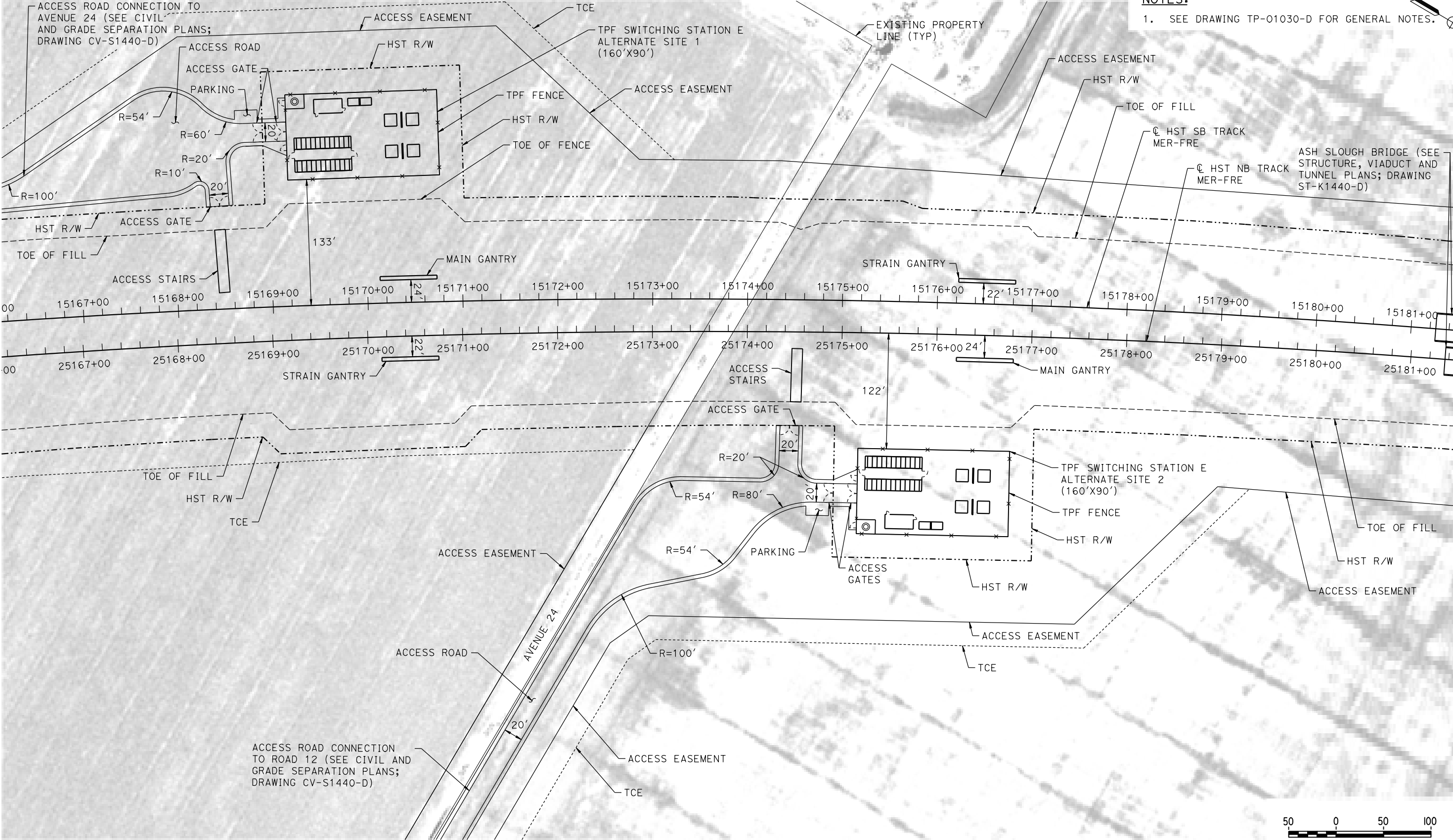
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01321-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 01:01 MF-TP-01440-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



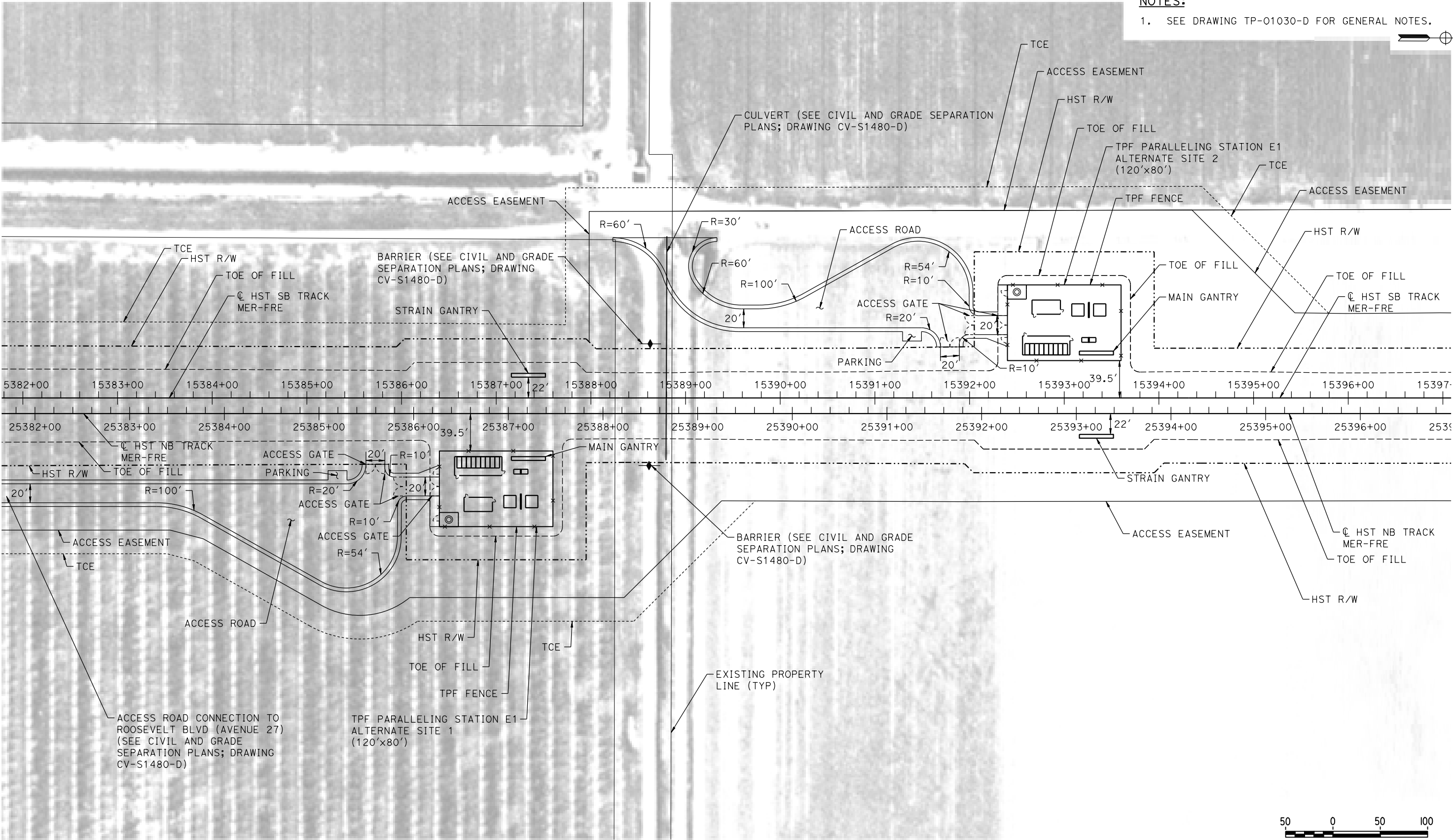
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01440-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

p0042226 14-AUG-2016 07:14 MF-TP-01480-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

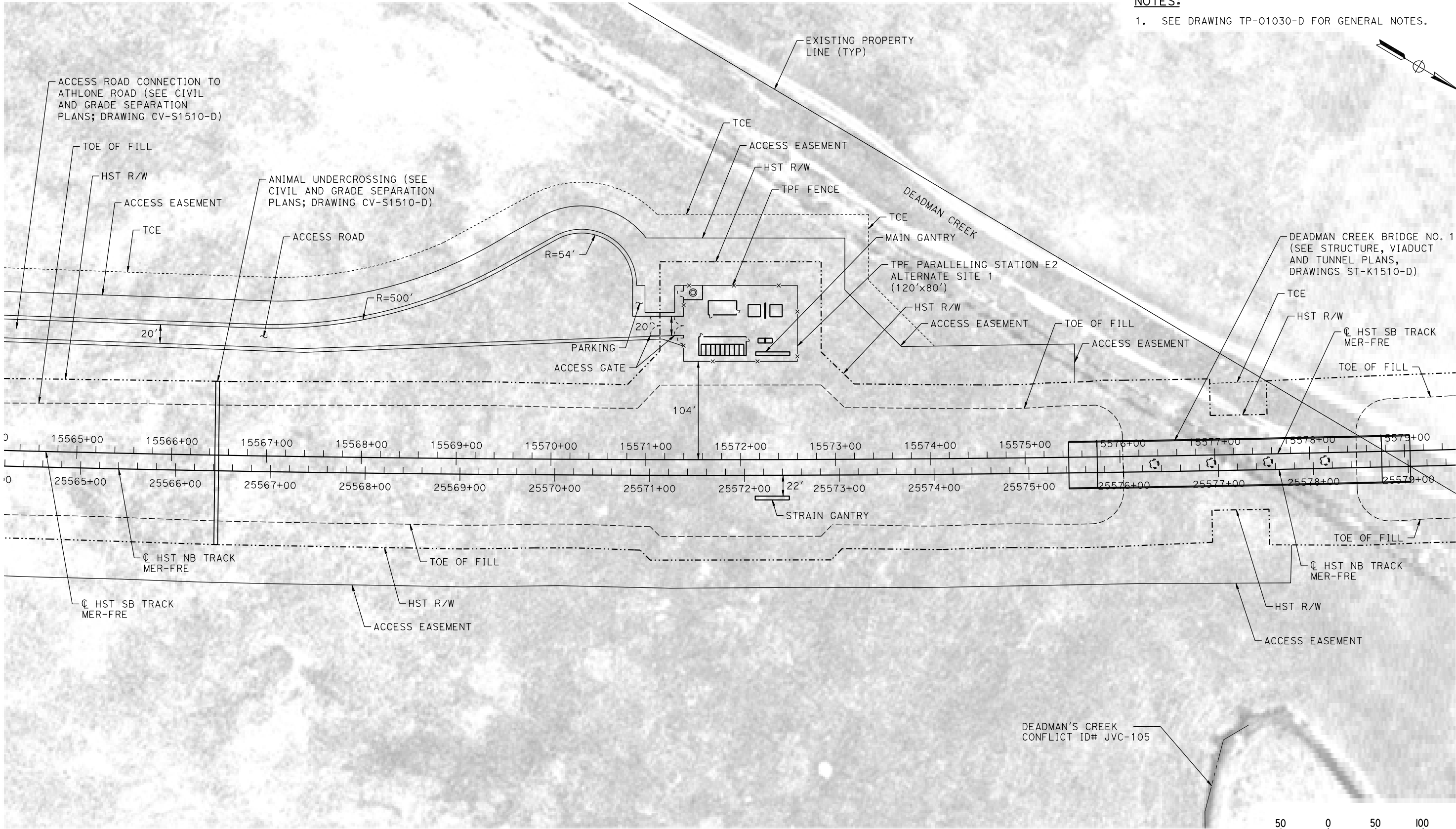
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01480-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

p0042226 30-AUG-2016 21:35 MF-TP-01510-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



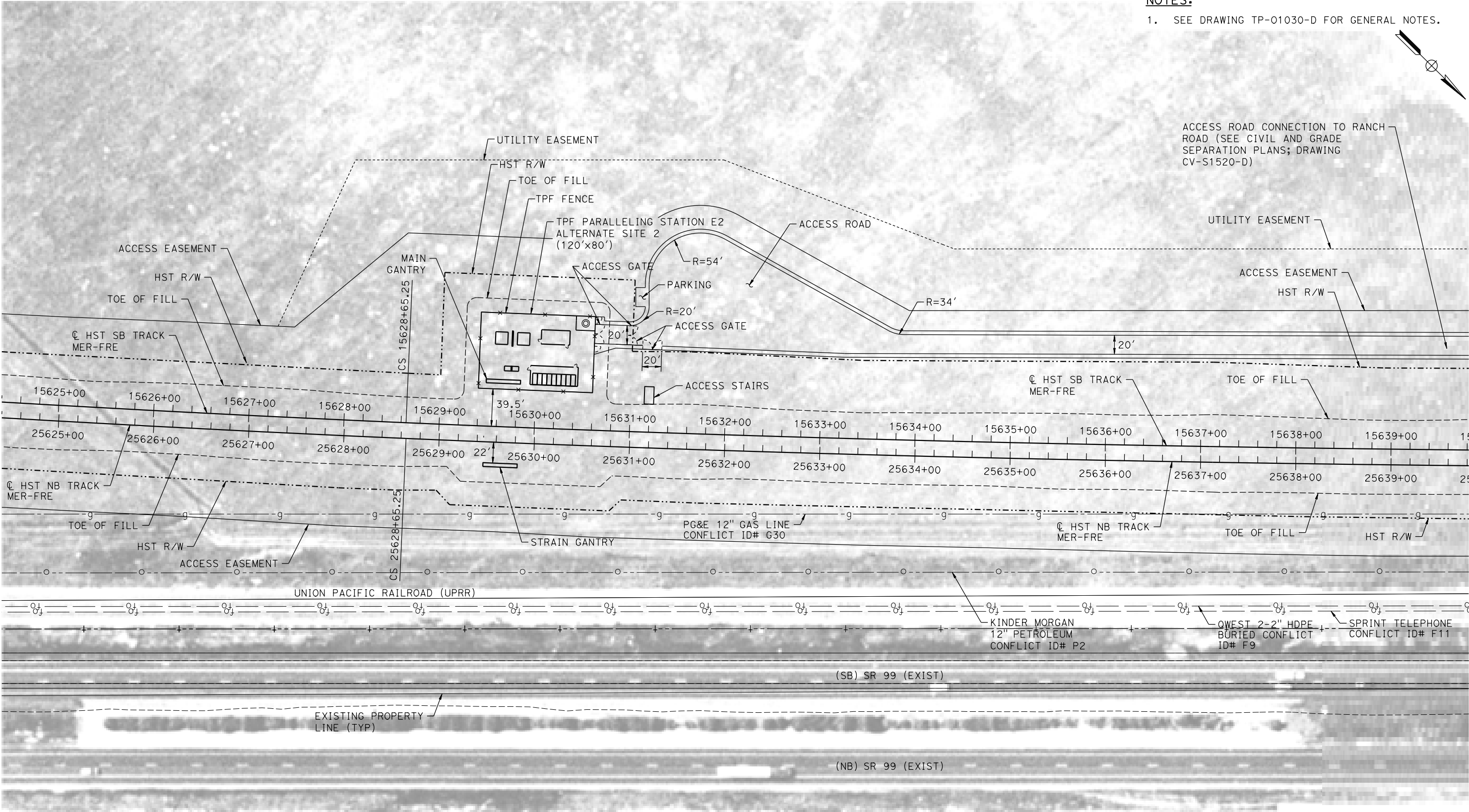
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-01510-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN



14-AUG-2016 10:15 MF-TP-01520-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



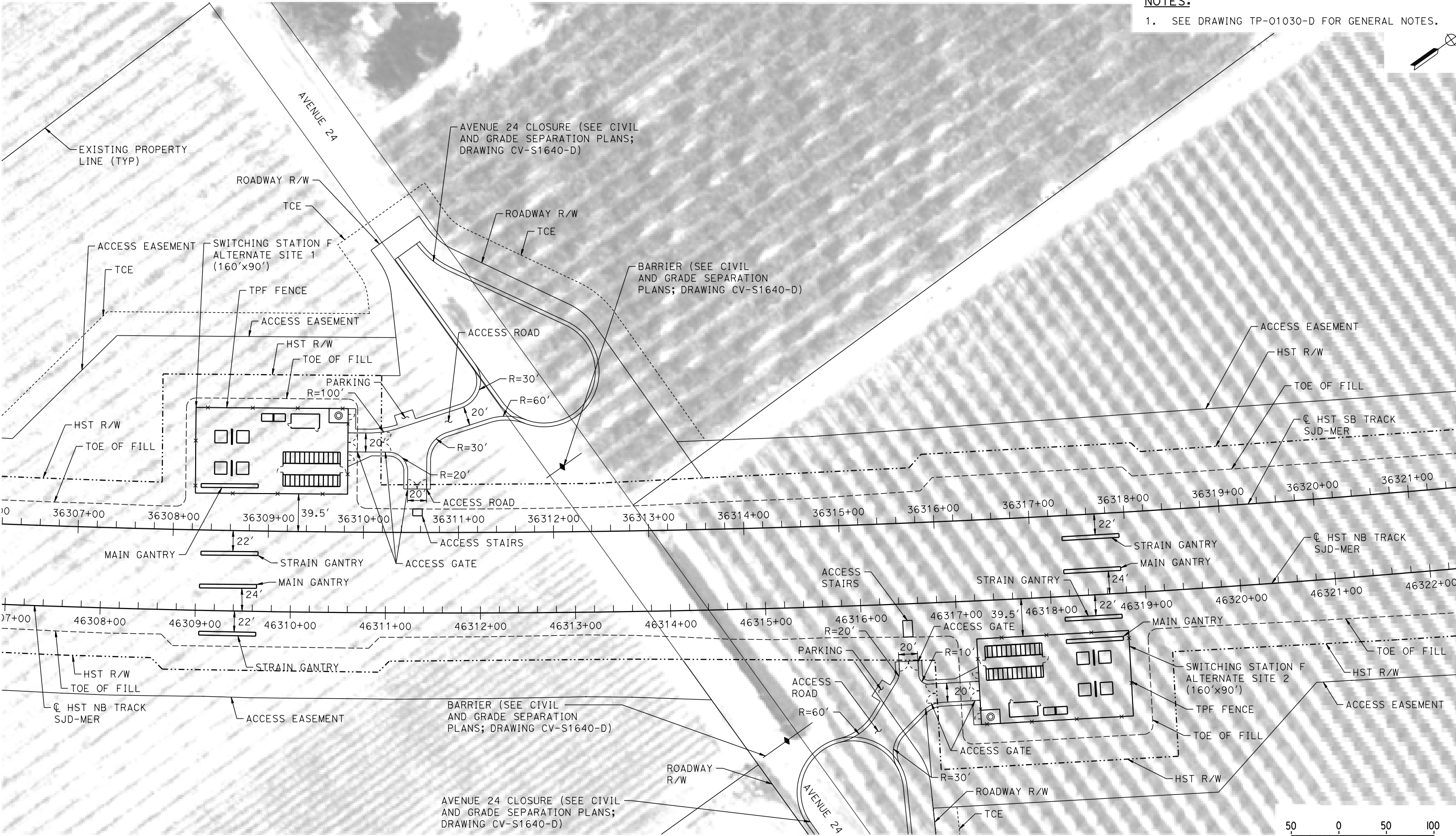
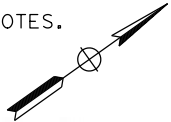
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01520-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TP-01030-D FOR GENERAL NOTES.



PLAN

p0042226 14-AUG-2016 10:15 MF-TP-01640-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



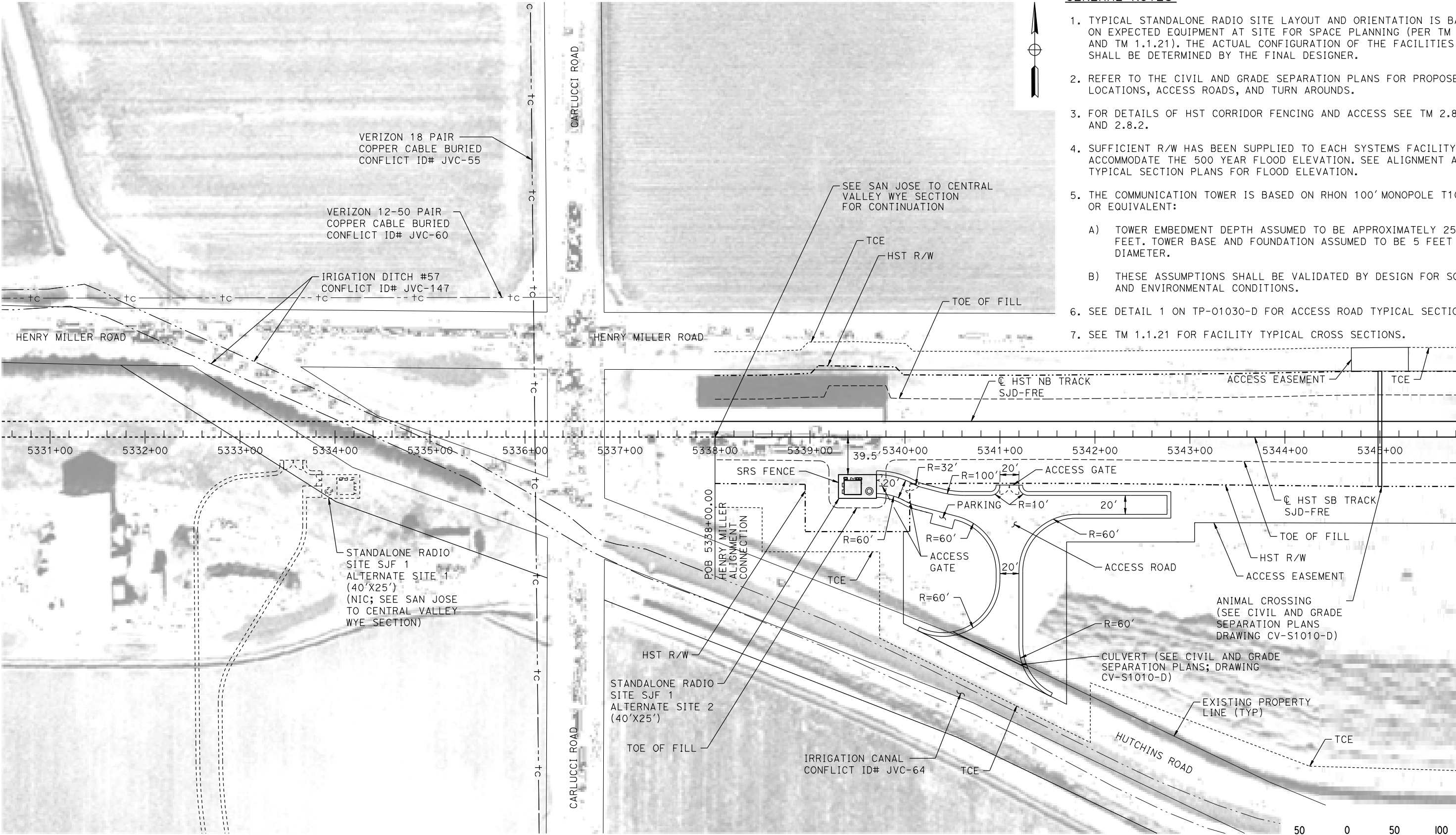
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TP-01640-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

GENERAL NOTES:

1. TYPICAL STANDALONE RADIO SITE LAYOUT AND ORIENTATION IS BASED ON EXPECTED EQUIPMENT AT SITE FOR SPACE PLANNING (PER TM 3.4.2 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. REFER TO THE CIVIL AND GRADE SEPARATION PLANS FOR PROPOSED LOCATIONS, ACCESS ROADS, AND TURN AROUNDS.
3. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND 2.8.2.
4. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR FLOOD ELEVATION.
5. THE COMMUNICATION TOWER IS BASED ON RHON 100' MONOPOLE T100HA OR EQUIVALENT:
 - A) TOWER EMBEDMENT DEPTH ASSUMED TO BE APPROXIMATELY 25 FEET. TOWER BASE AND FOUNDATION ASSUMED TO BE 5 FEET IN DIAMETER.
 - B) THESE ASSUMPTIONS SHALL BE VALIDATED BY DESIGN FOR SOIL AND ENVIRONMENTAL CONDITIONS.
6. SEE DETAIL 1 ON TP-01030-D FOR ACCESS ROAD TYPICAL SECTION.
7. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

16-AUG-2016 11:31 MF-CO-F1010-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



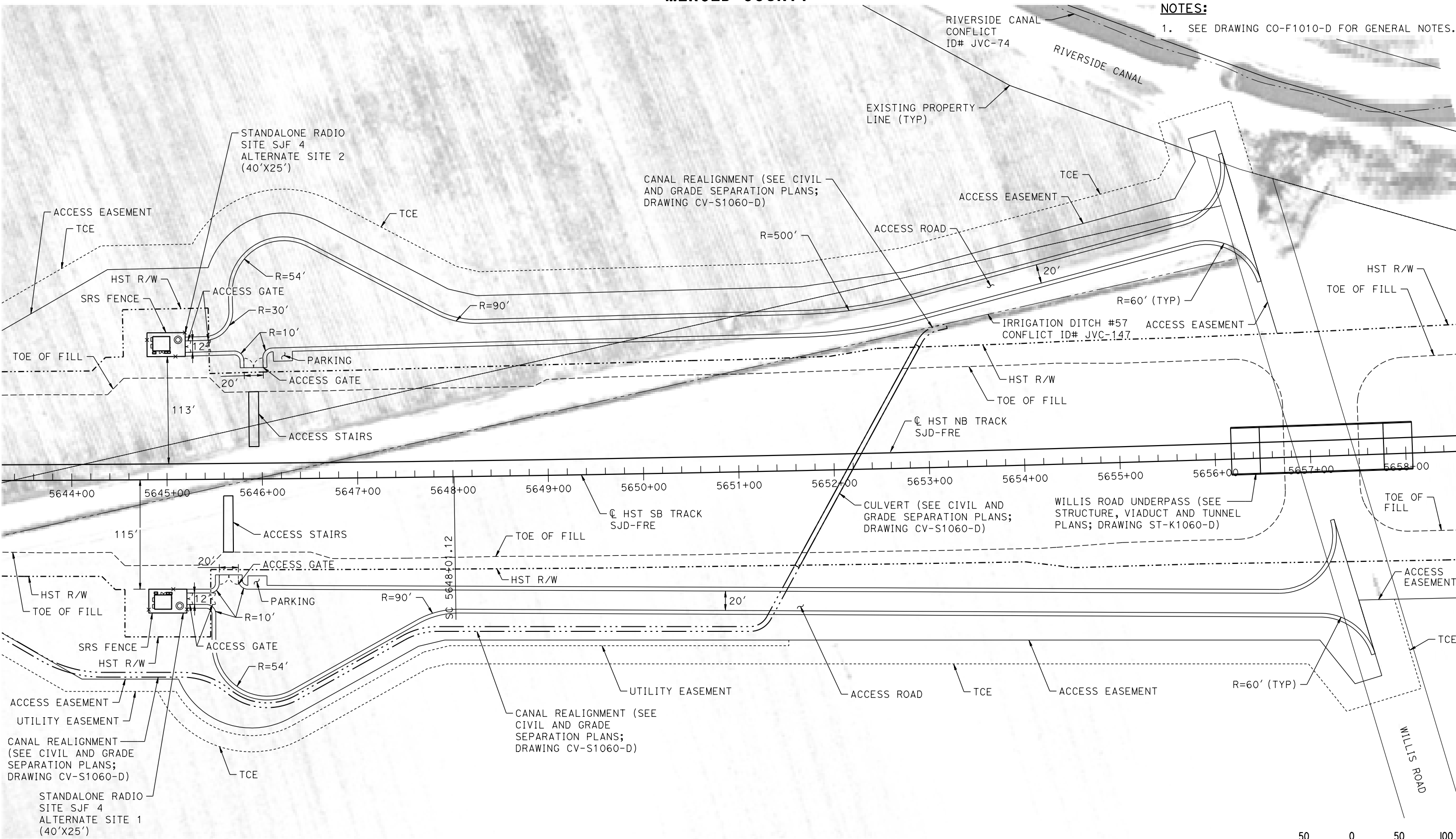
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1010-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

DESIGNED BY
K. MA
DRAWN BY
H. MCINNIS
CHECKED BY
ECASTELINO
IN CHARGE
C. LEMLEY
DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

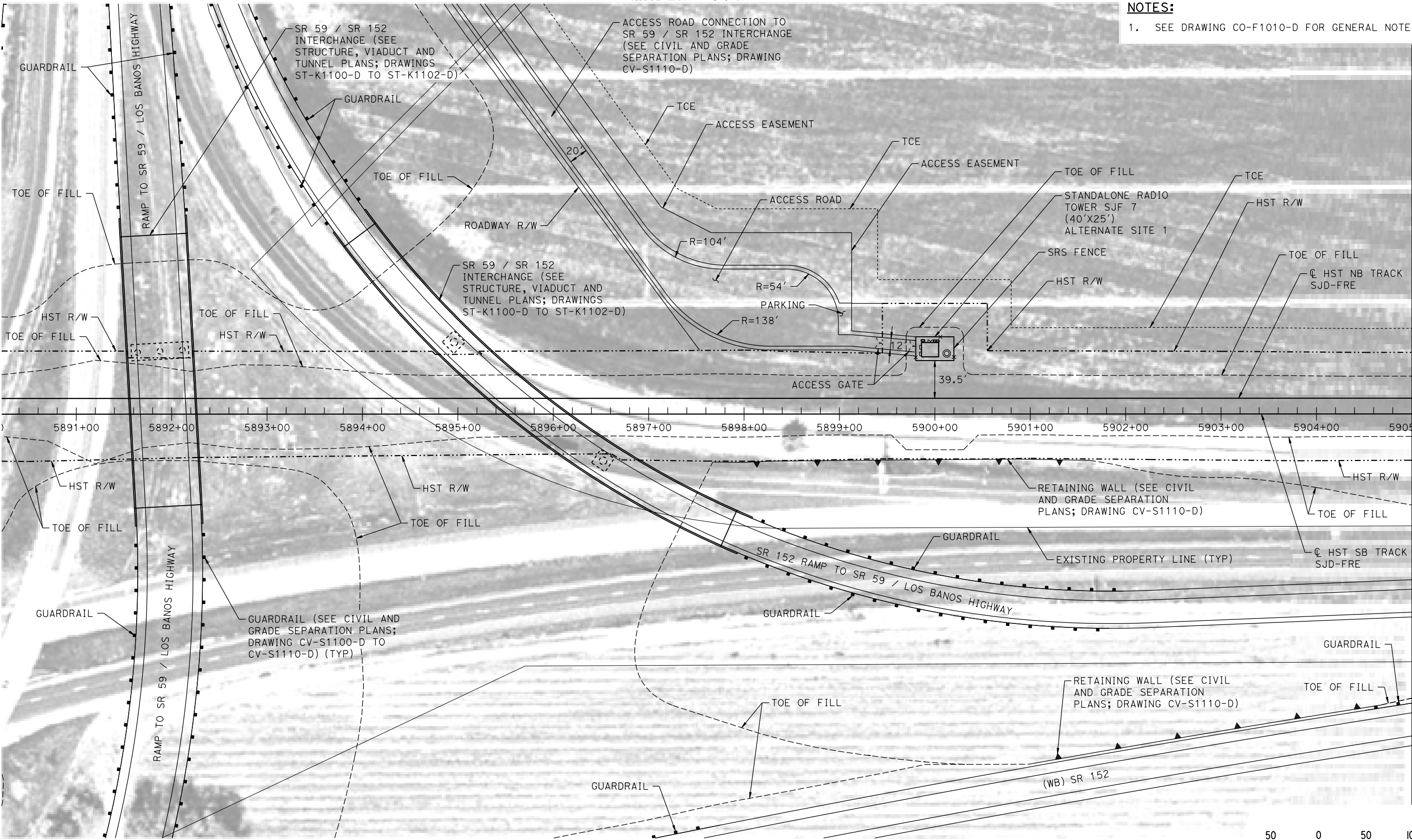


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1060-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

- NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

DESIGNED BY
K. MA
DRAWN BY
H. MCINNIS
CHECKED BY
ECATELINO
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

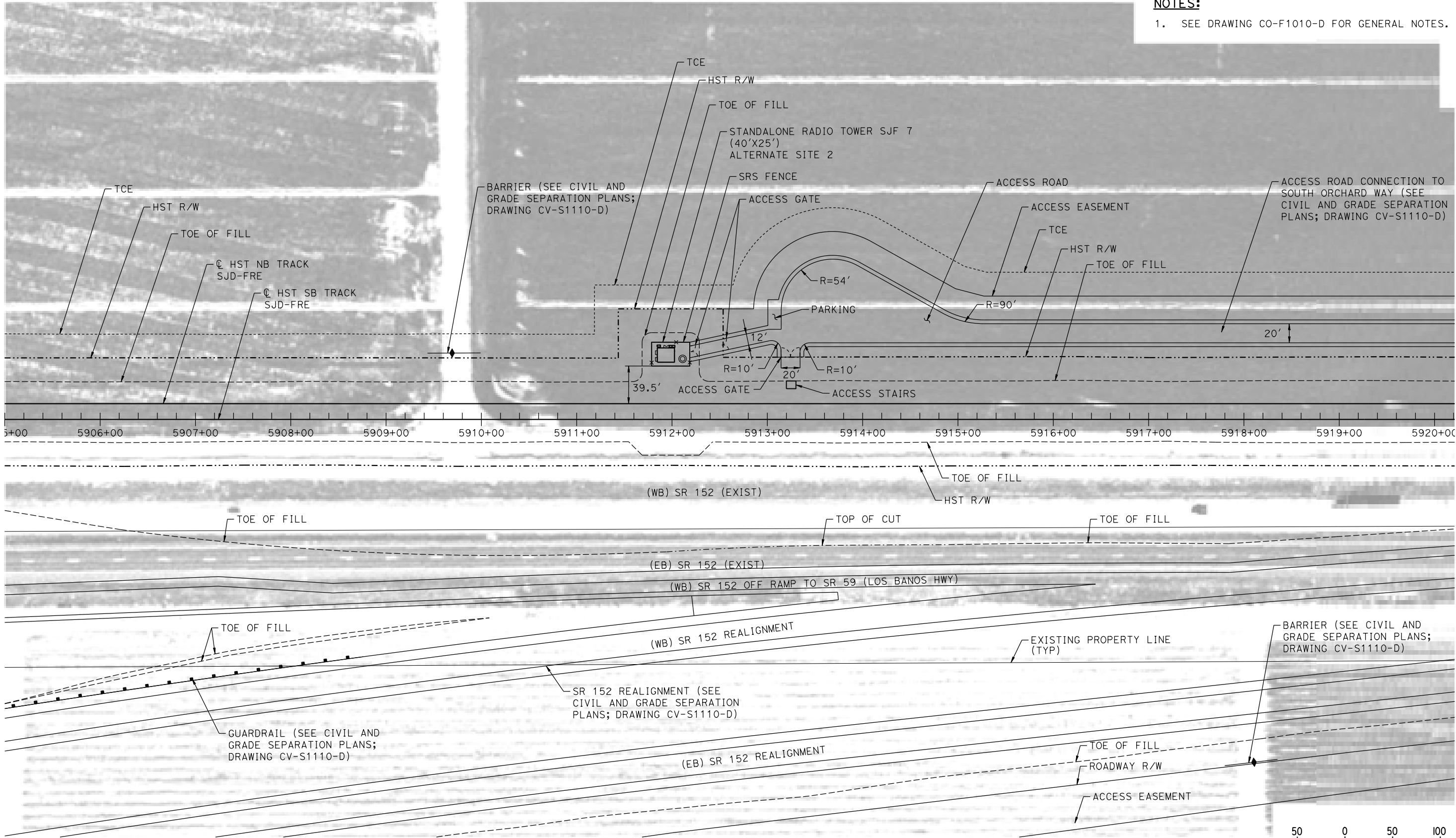


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 7 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1110-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

p0042226 14-AUG-2016 10:08 MF-CO-F1111-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION

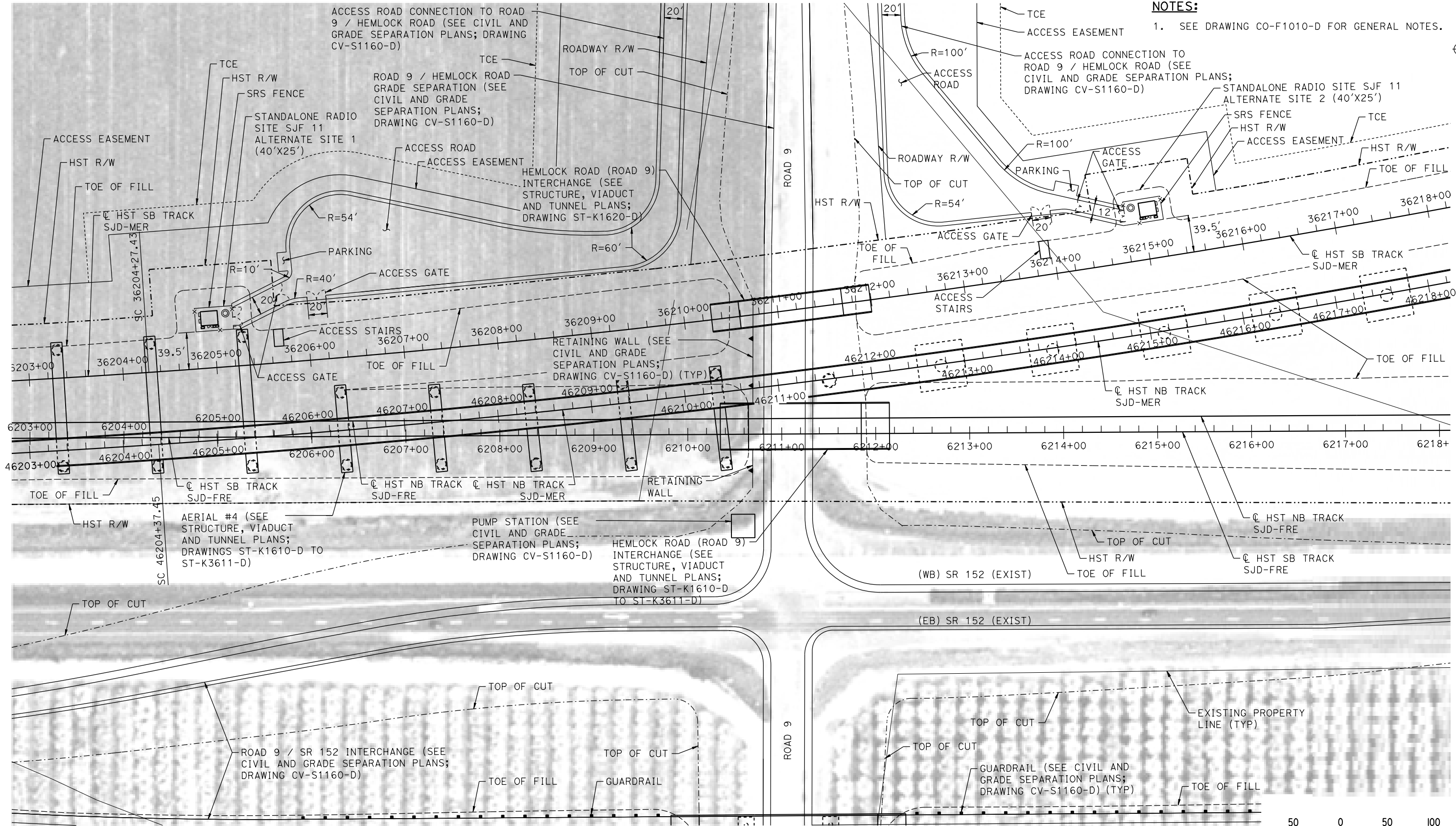


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 7 ALTERNATE SITE 2

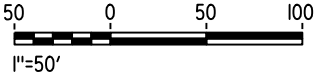
CONTRACT NO. HSR08-05
DRAWING NO. CO-F1111-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.

PLAN



p0042226 14-AUG-2016 10:08 MF-CO-F1160-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECATELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



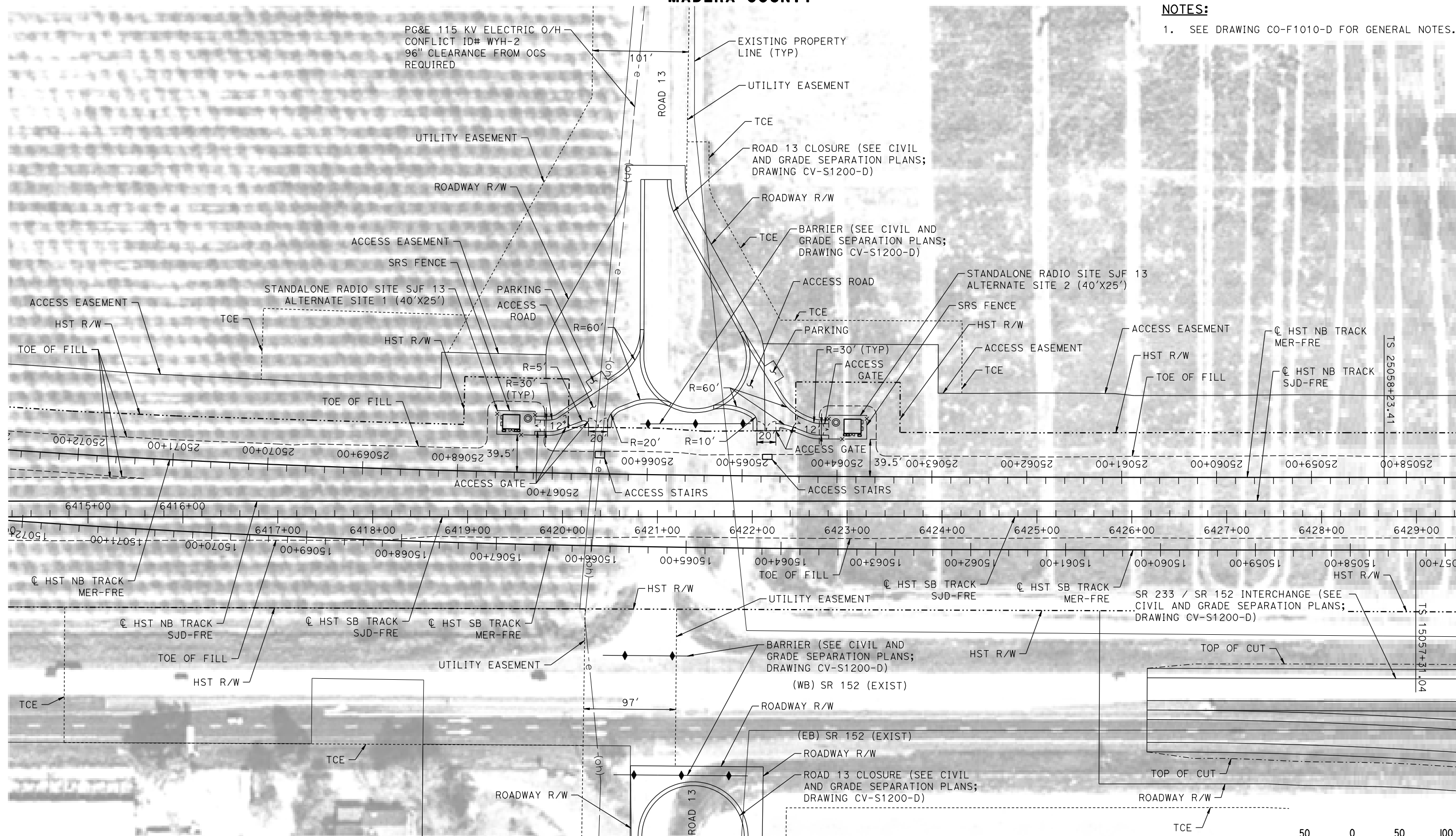
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 11 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1160-D
SCALE AS SHOWN
SHEET NO.

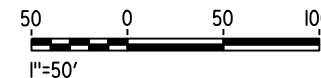
MADERA COUNTY

NOTES:

1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN



MF-CO-F1200-D.dgn

14-AUG-2016 07:09

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECATELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

**RECORD SET
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SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA
HIGH-SPEED RAIL AUTHORITY**

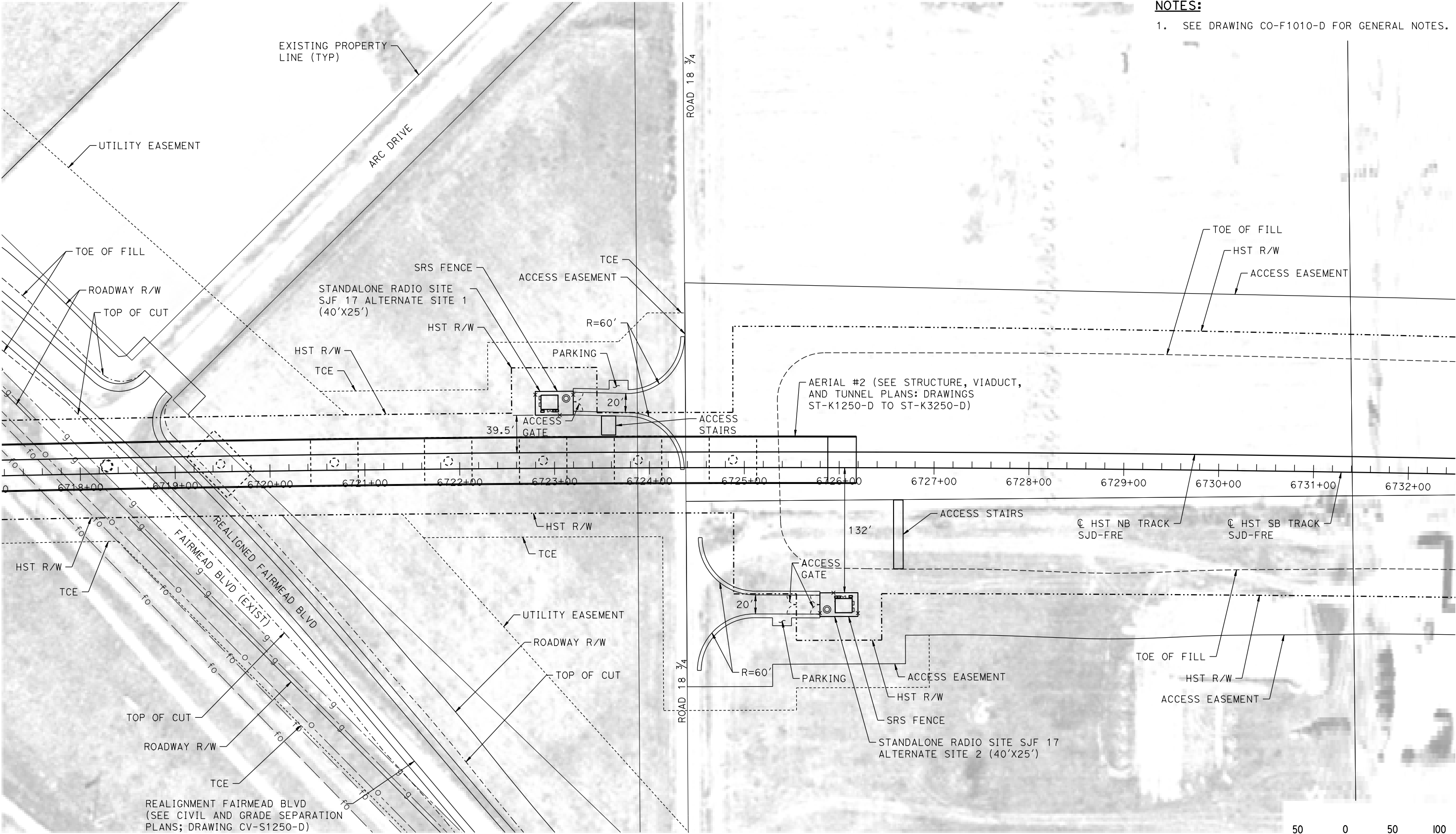
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 13 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1200-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

p0042226 14-AUG-2016 10:10 MF-CO-F1250-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

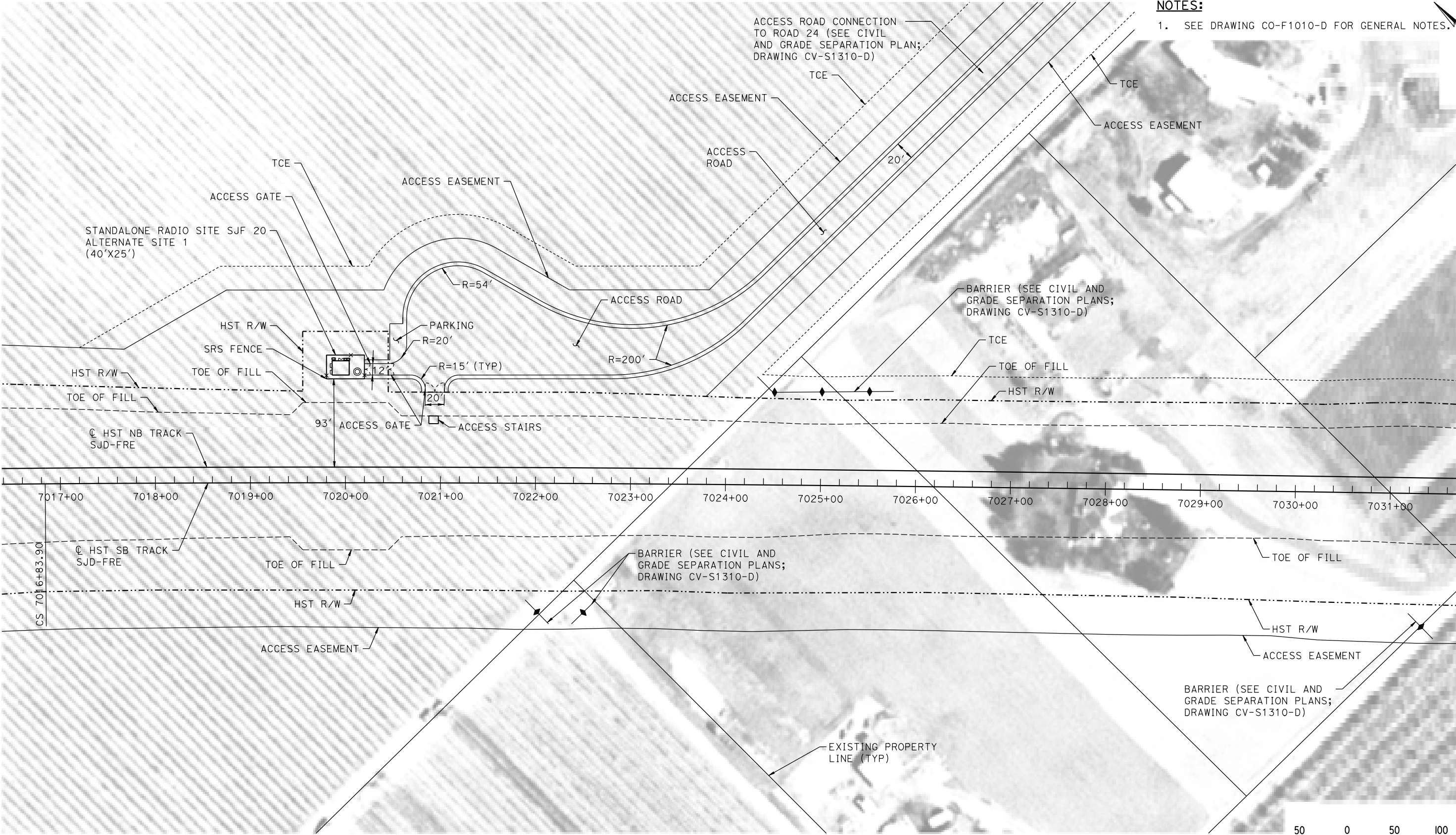
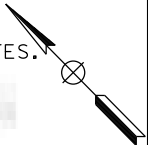
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 17 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1250-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

p0042226 14-AUG-2016 10:10 MF-CO-F1310-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

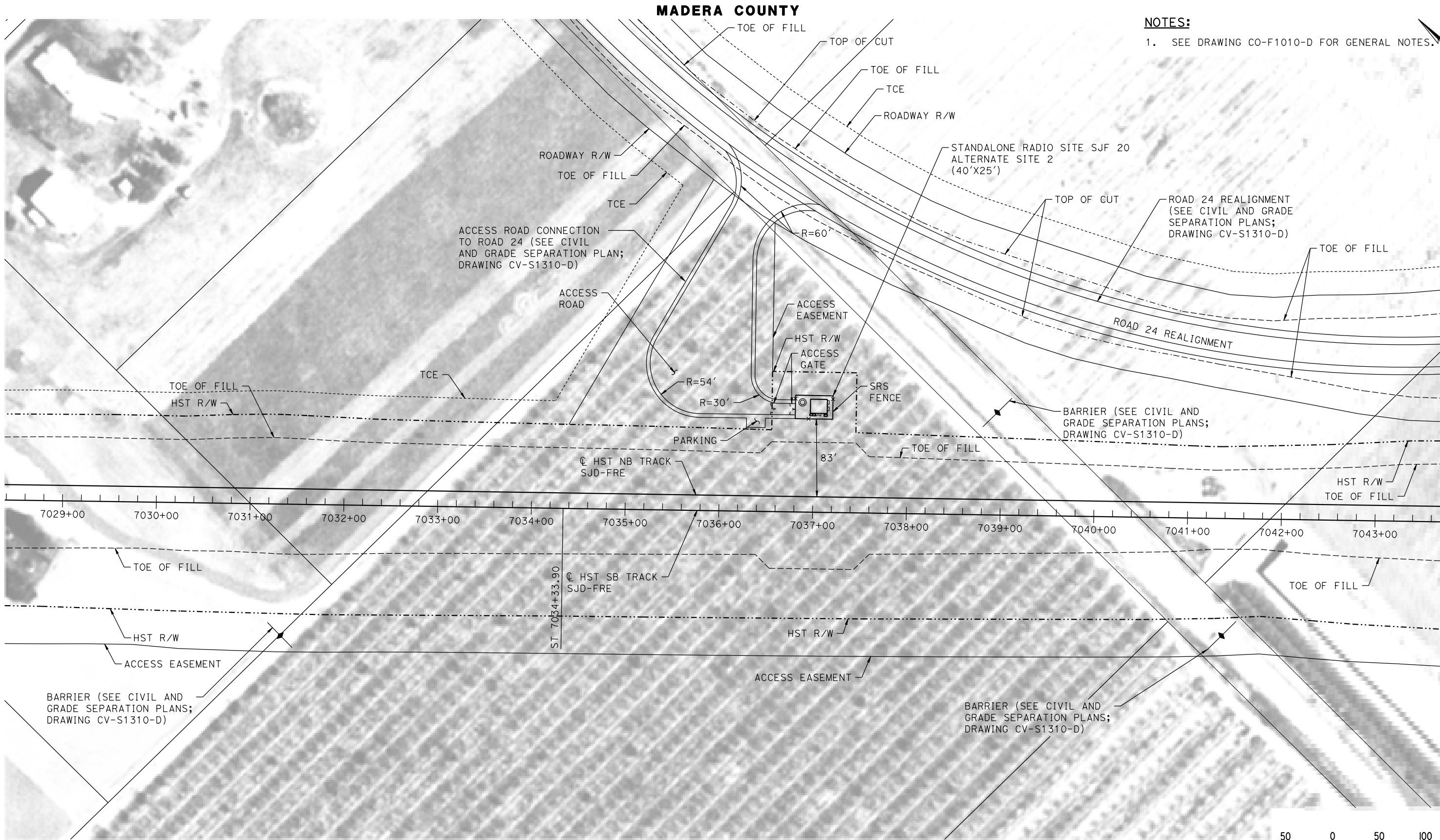


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 20 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1310-D
SCALE AS SHOWN
SHEET NO.

p0042226 14-AUG-2016 07:11 MF-CO-F1311-D.dgn



NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



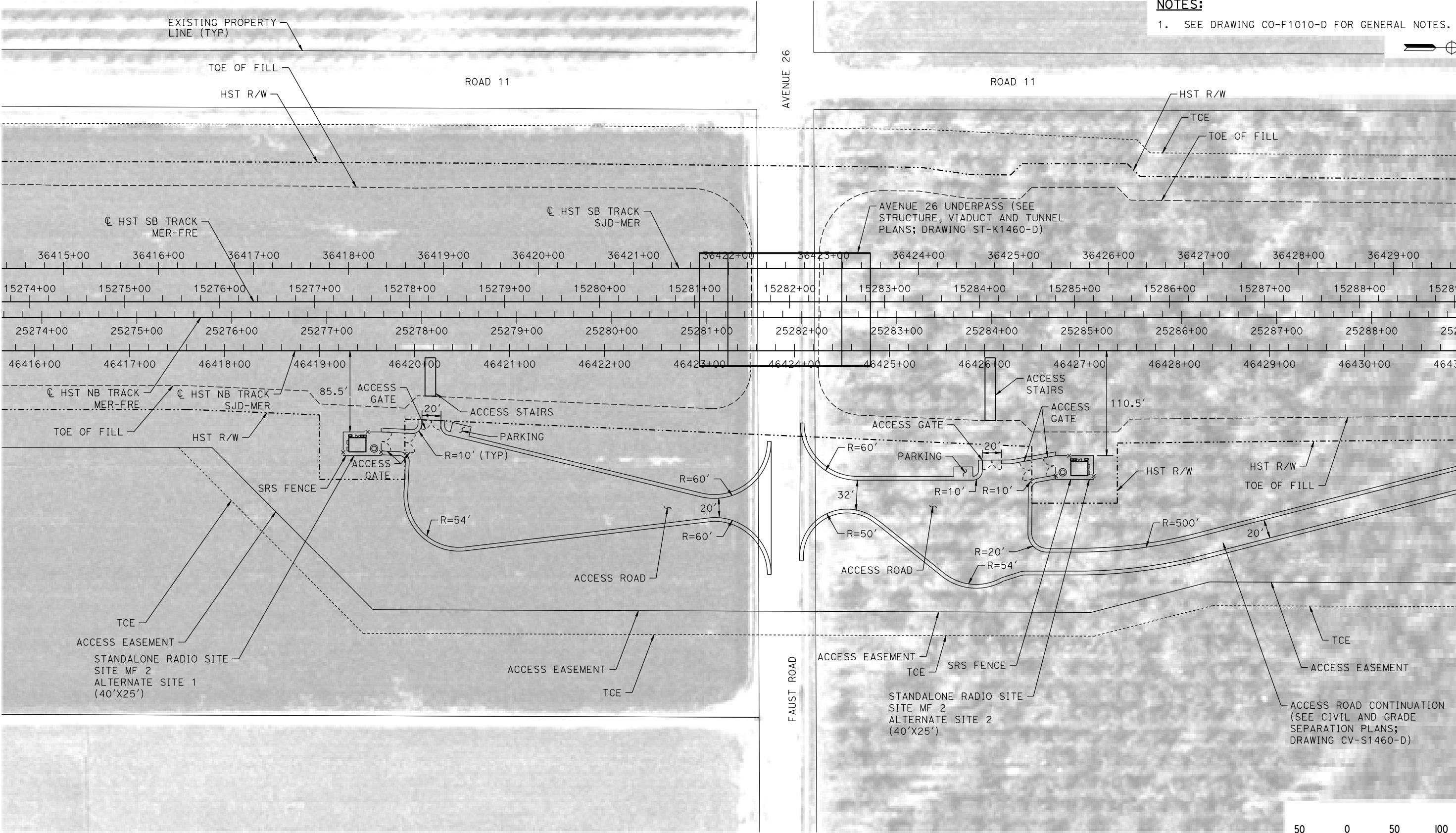
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 20 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1311-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

MF-CO-F1460-D.dgn
14-AUG-2016 07:11
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

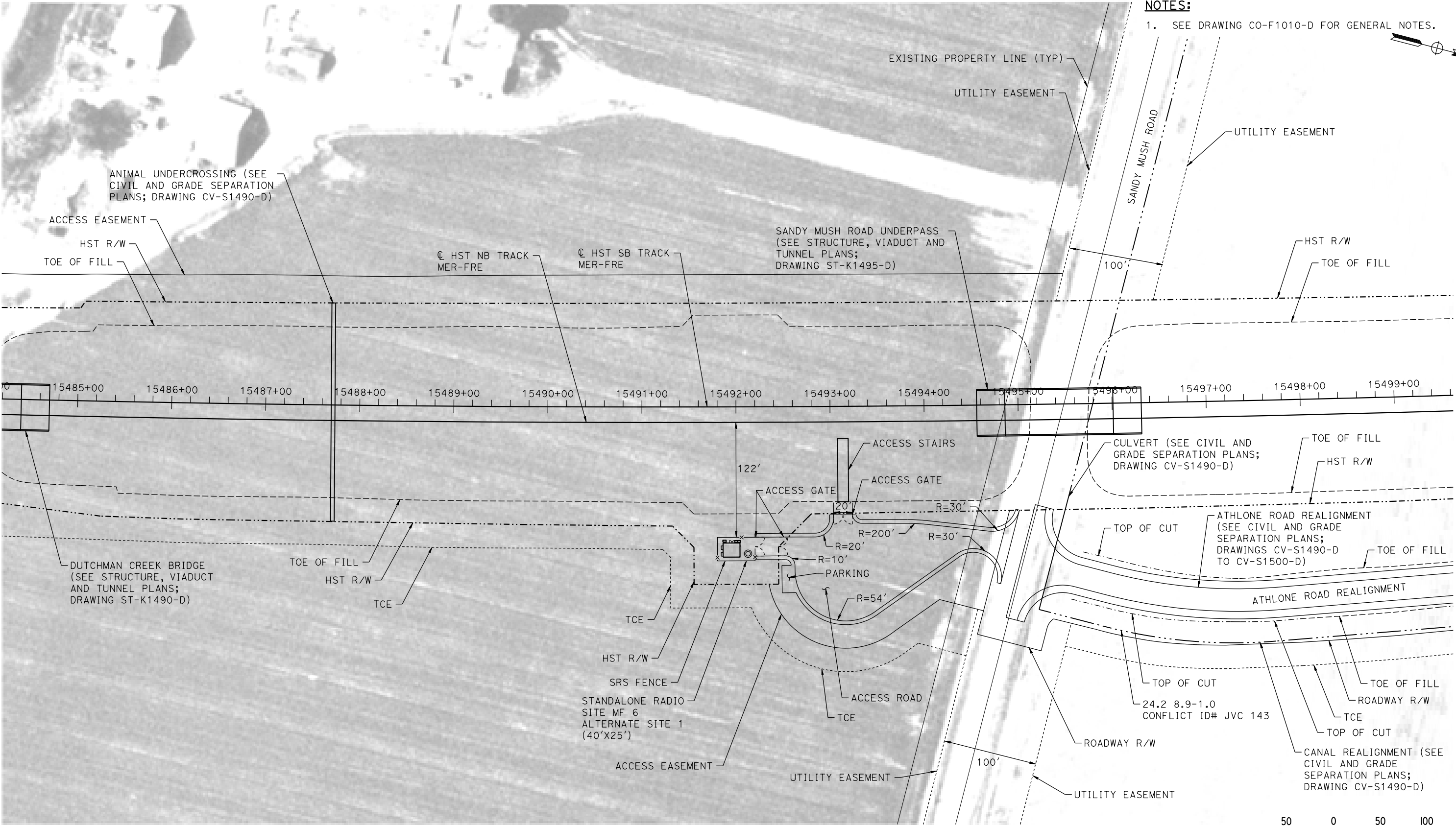
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 2 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1460-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



NOTES:
1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.

PLAN

MF-CO-F1490-D.dgn
30-AUG-2016 21:35
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

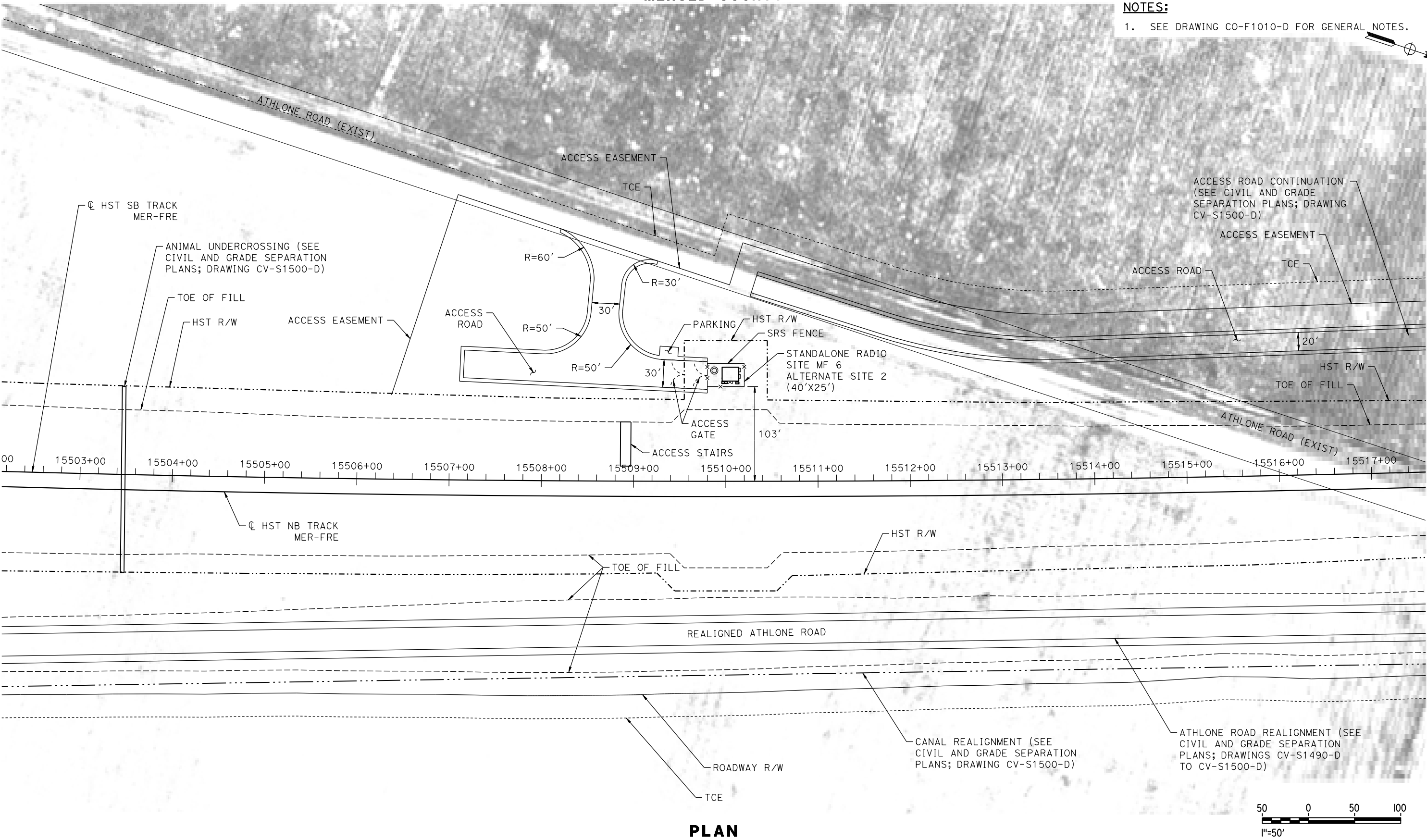
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 6 ALTERNATE SITE 1

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1490-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING CO-F1010-D FOR GENERAL NOTES.



PLAN

15-AUG-2016 8:53 MF-CO-F1500-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

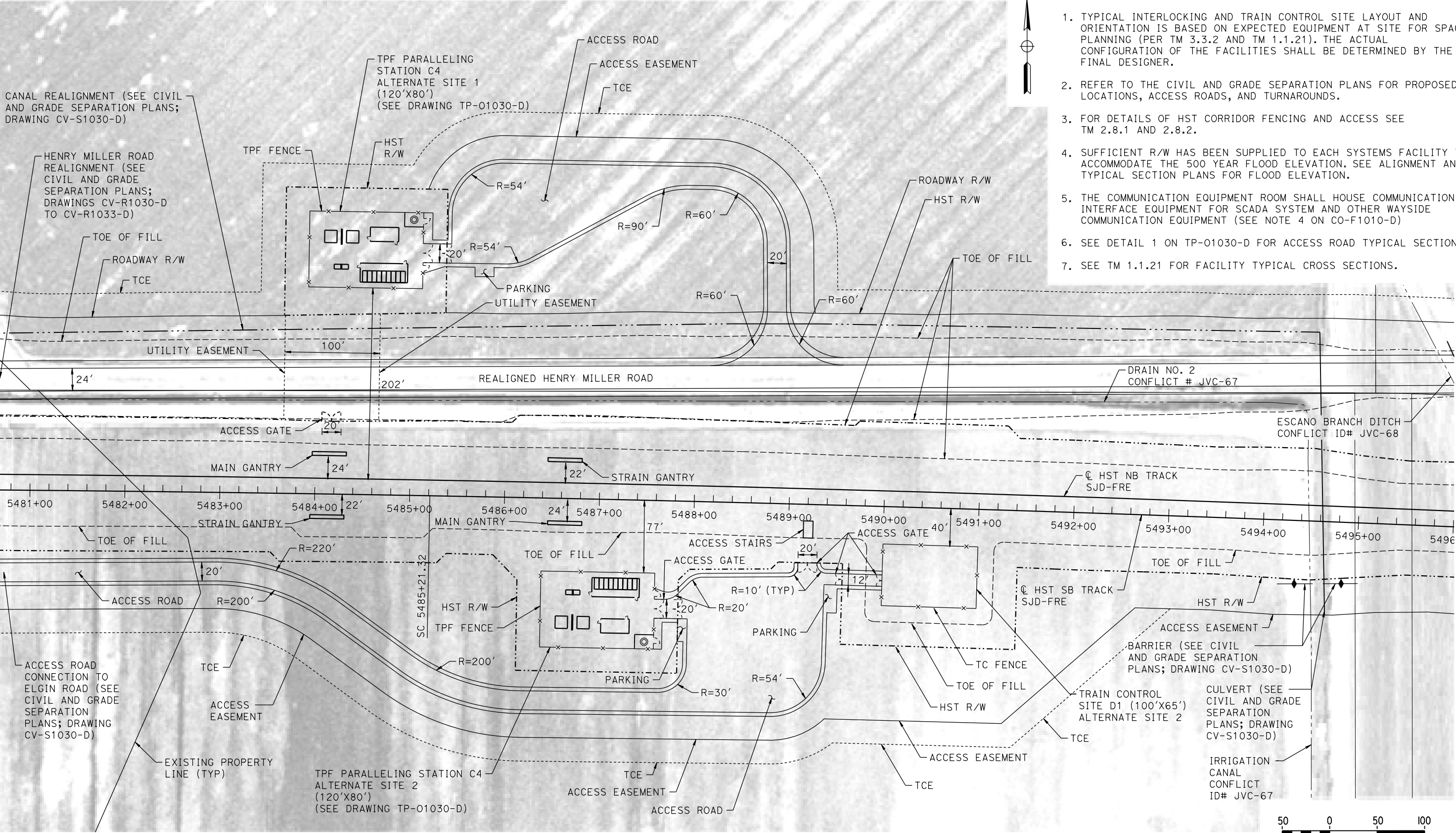
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 6 ALTERNATE SITE 2

CONTRACT NO. HSR08-05
DRAWING NO. CO-F1500-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

GENERAL NOTES:

1. TYPICAL INTERLOCKING AND TRAIN CONTROL SITE LAYOUT AND ORIENTATION IS BASED ON EXPECTED EQUIPMENT AT SITE FOR SPACE PLANNING (PER TM 3.3.2 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. REFER TO THE CIVIL AND GRADE SEPARATION PLANS FOR PROPOSED LOCATIONS, ACCESS ROADS, AND TURNAROUNDS.
3. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND 2.8.2.
4. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR FLOOD ELEVATION.
5. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT (SEE NOTE 4 ON CO-F1010-D)
6. SEE DETAIL 1 ON TP-01030-D FOR ACCESS ROAD TYPICAL SECTION.
7. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

DESIGNED BY
K. MA
DRAWN BY
H. MCINNIS
CHECKED BY
ECASTELINO
IN CHARGE
C. LEMLEY
DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



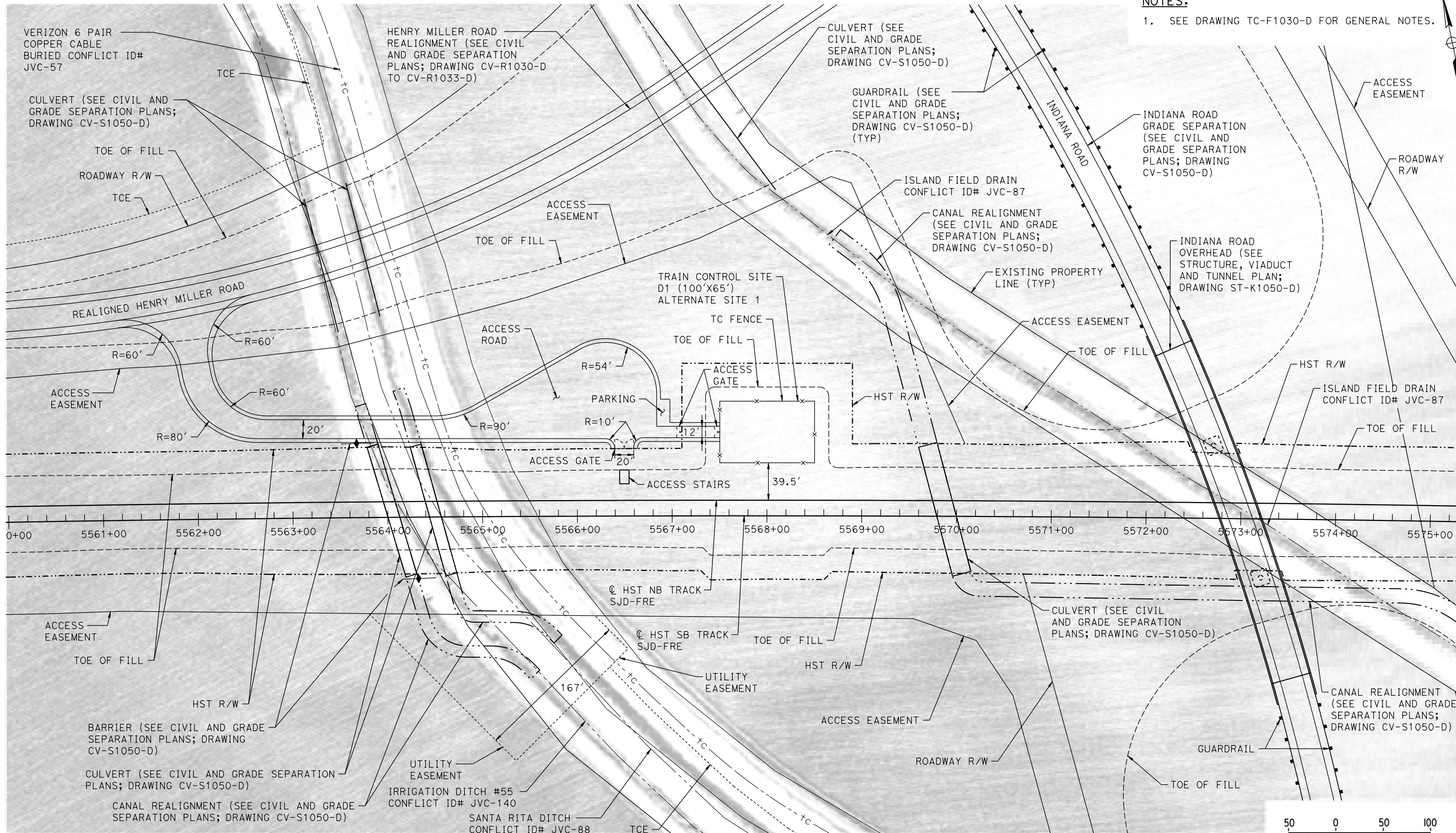
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1030-D
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

MF-TC-F1050-D.dgn
01-SEP-2016 0:11
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	K. MA
DRAWN BY	H. MCINNIS
CHECKED BY	ECASTELINO
IN CHARGE	C. LEMLEY
DATE	09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

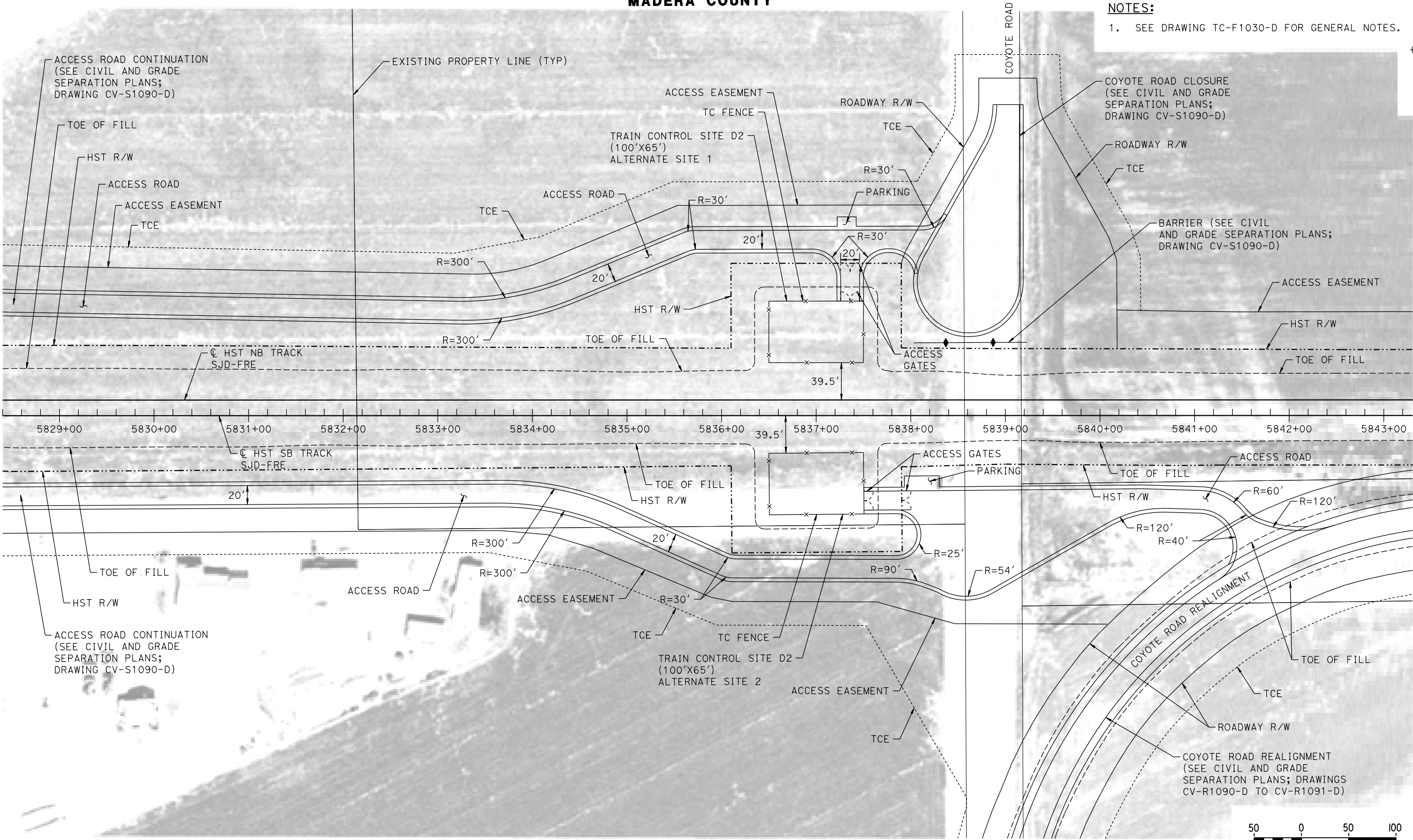
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 1

CONTRACT NO.	HSR08-05
DRAWING NO.	TC-F1050-D
SCALE	AS SHOWN
SHEET NO.	

MADERA COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 9:52 MF-TC-F1090-D.dgn

0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

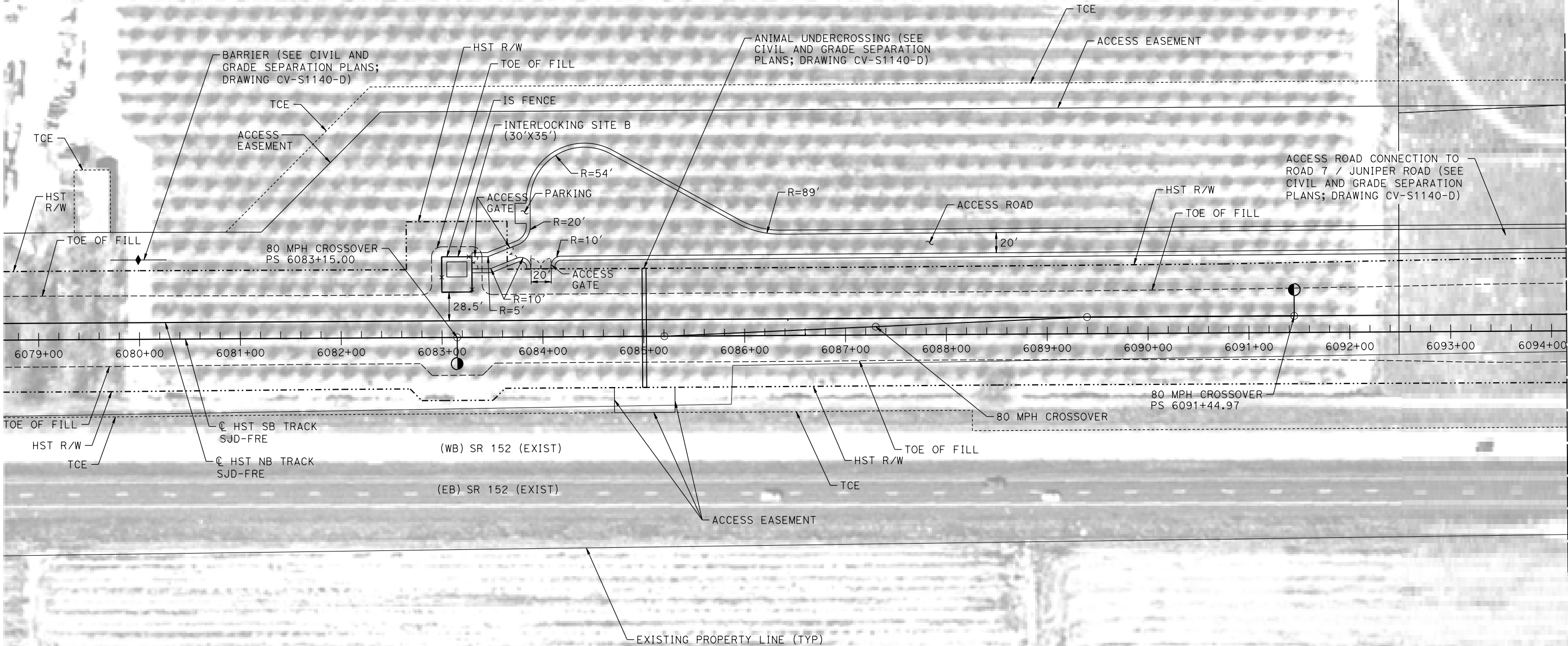


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2

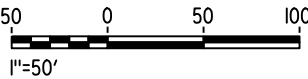
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1090-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN



01-SEP-2016 0:12 MF-TC-F1140-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6083+15

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1140-D
SCALE AS SHOWN
SHEET NO.

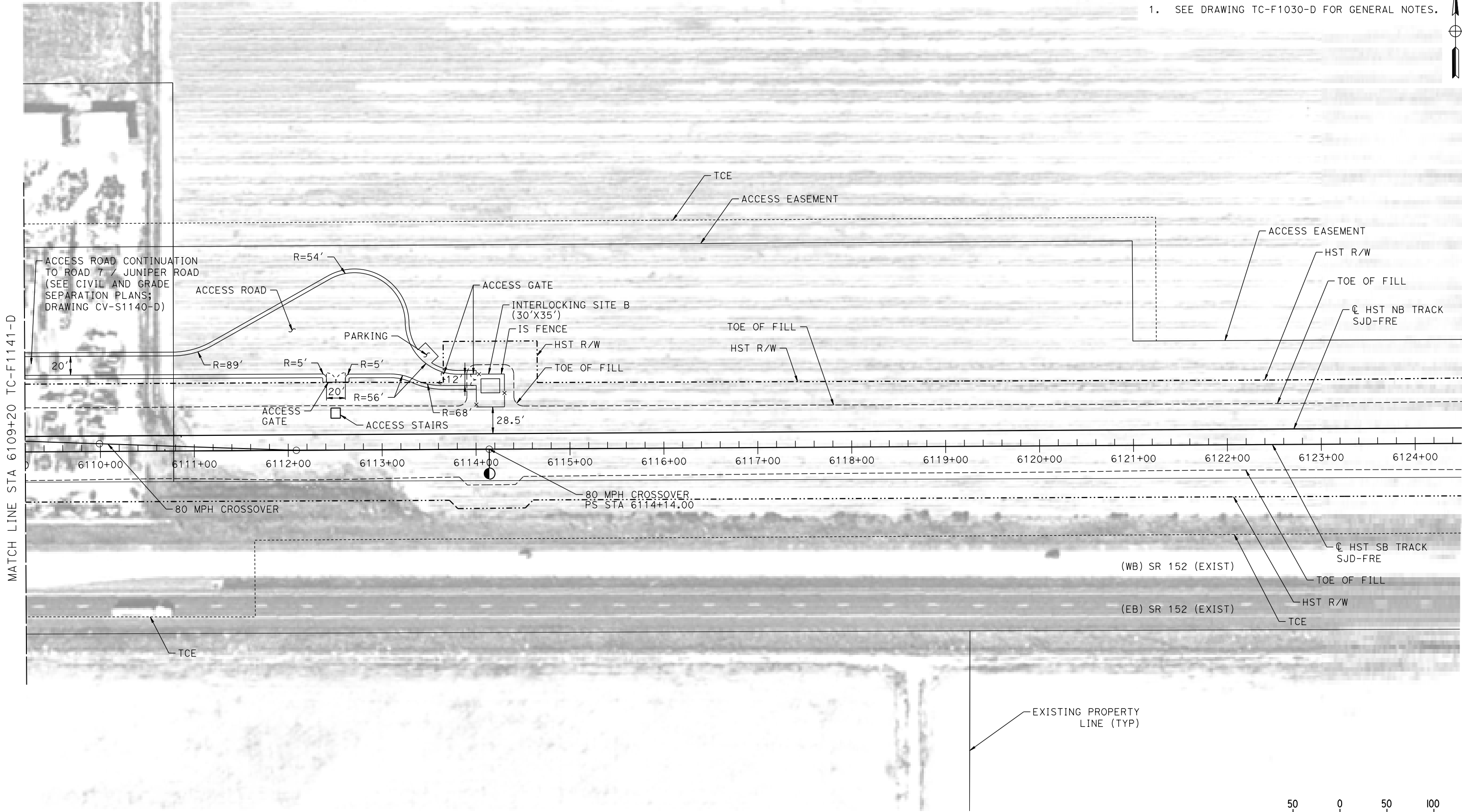
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.

[illegible]

MADERA COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN



12-AUG-2016 10:53 MF-TC-F1142-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

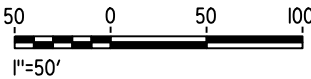
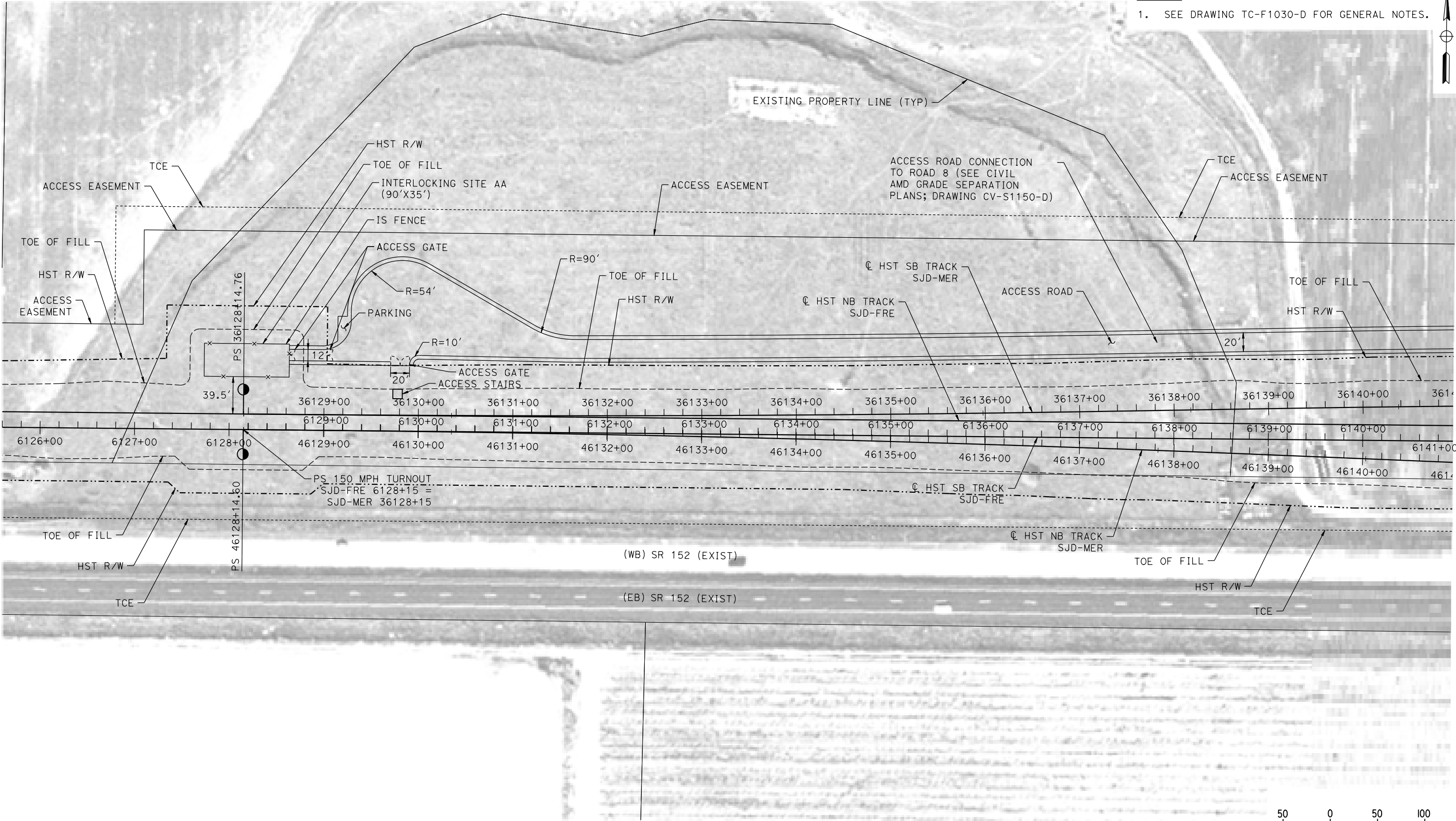


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6114+14

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1142-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

- NOTES:
- 1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 01:54 MF-TC-F1150-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

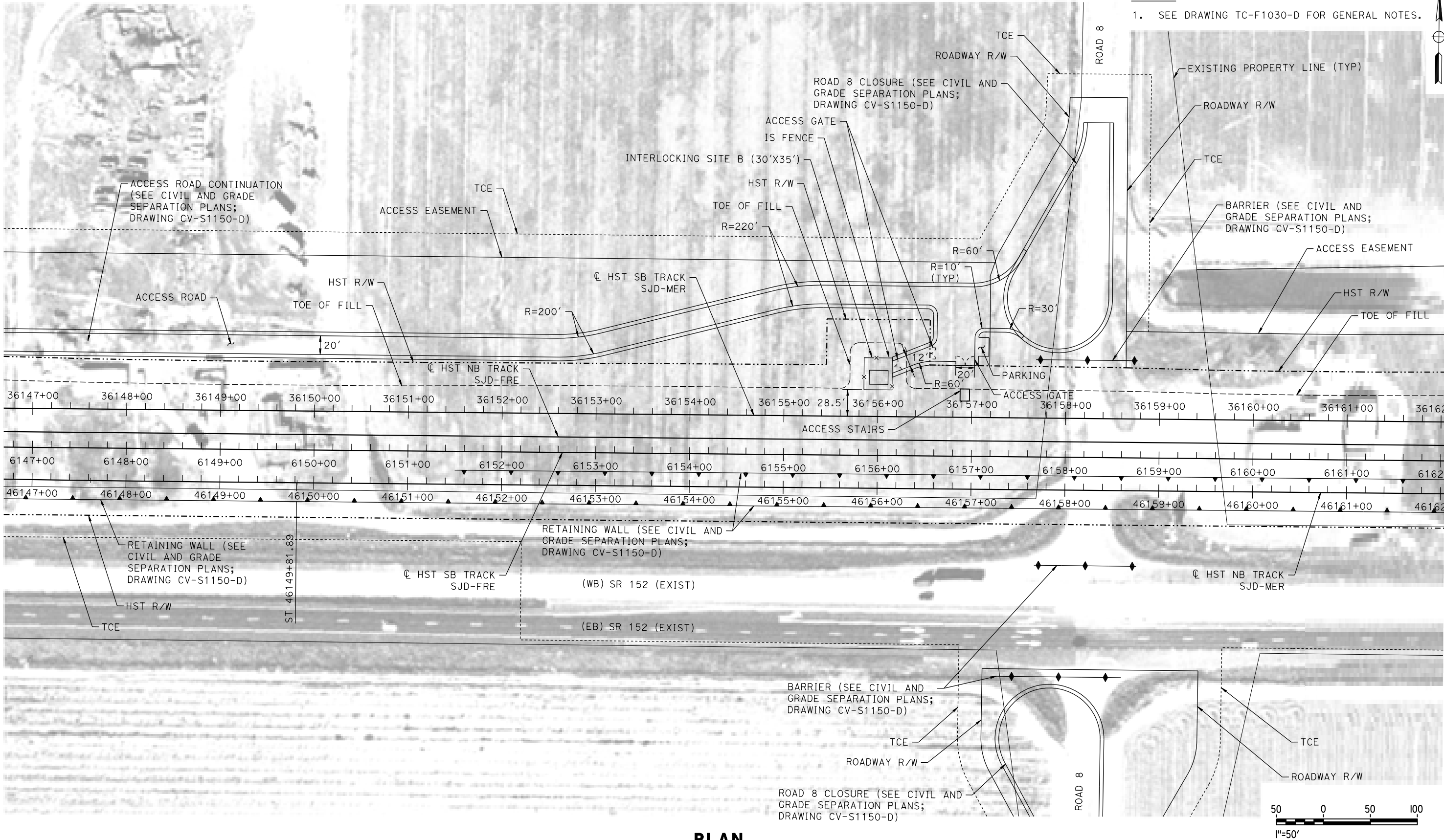


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6128+15

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1150-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 09:53 MF-TC-F1151-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



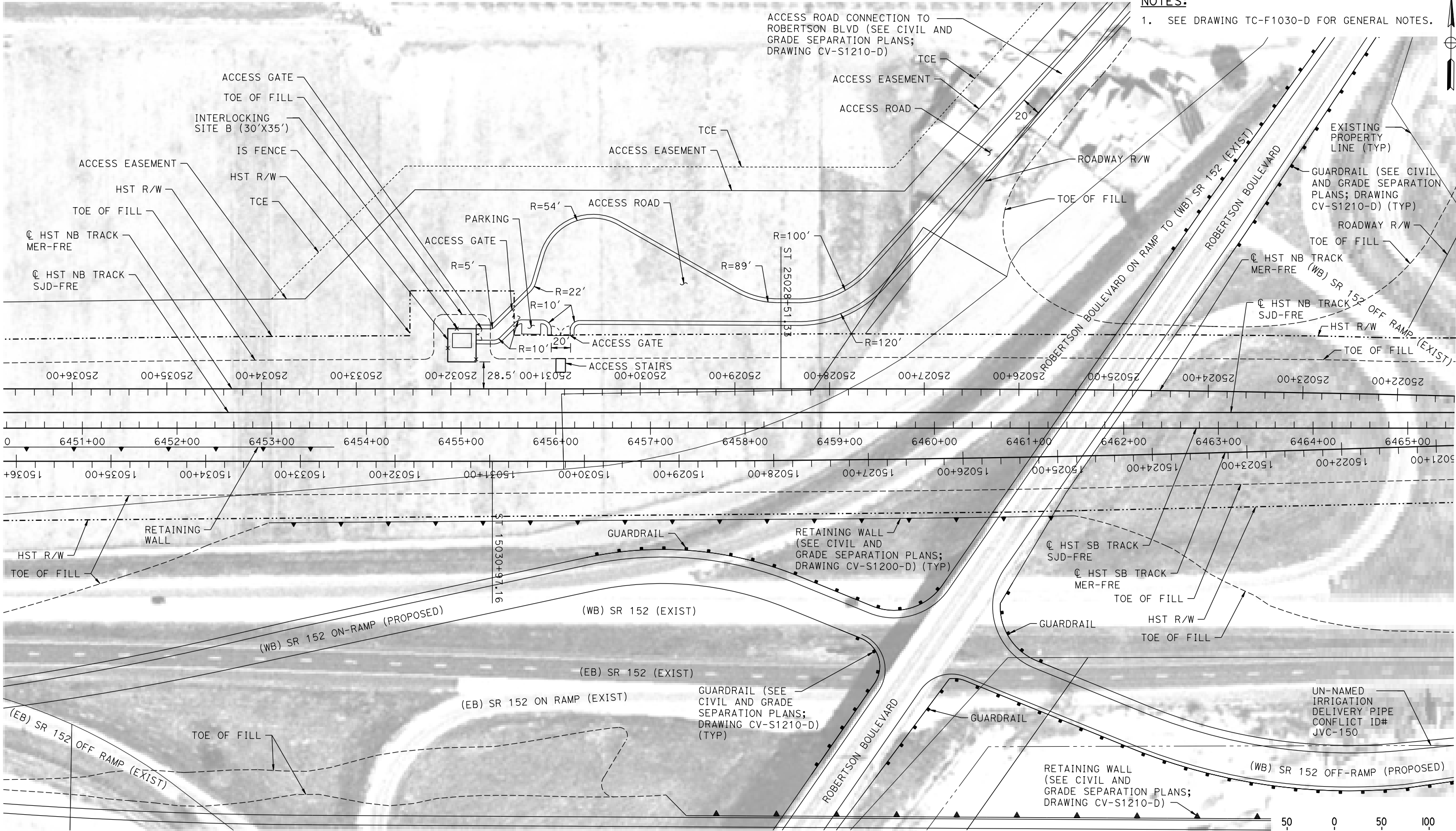
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6156+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1151-D
SCALE AS SHOWN
SHEET NO.

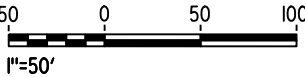
MADERA COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN



p0042226 12-AUG-2016 9:54 MF-TC-F1200-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

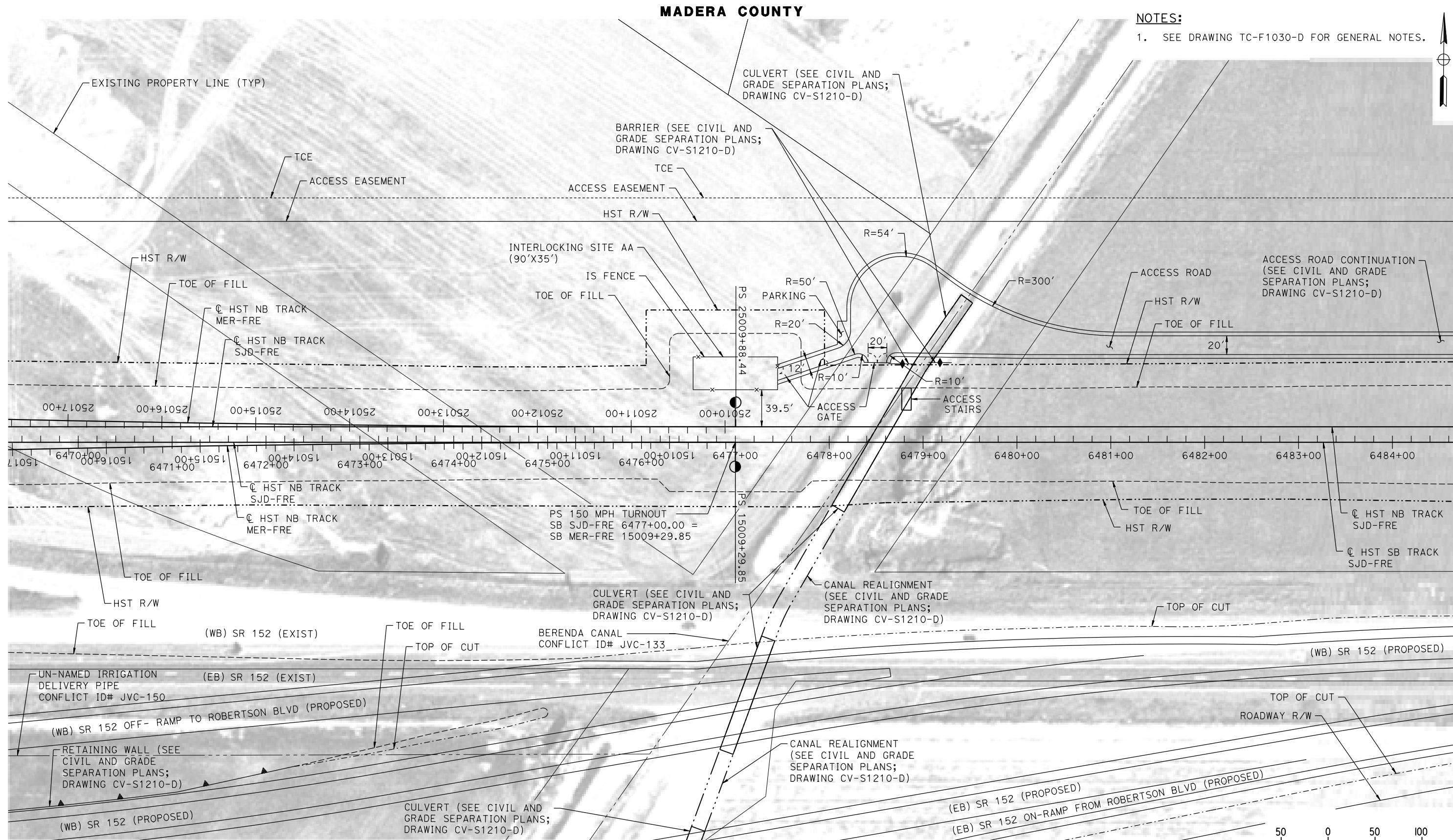
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6455+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1200-D
SCALE AS SHOWN
SHEET NO.

p0042226 12-AUG-2016 9:55 MF-TC-F1210-D.dgn



NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

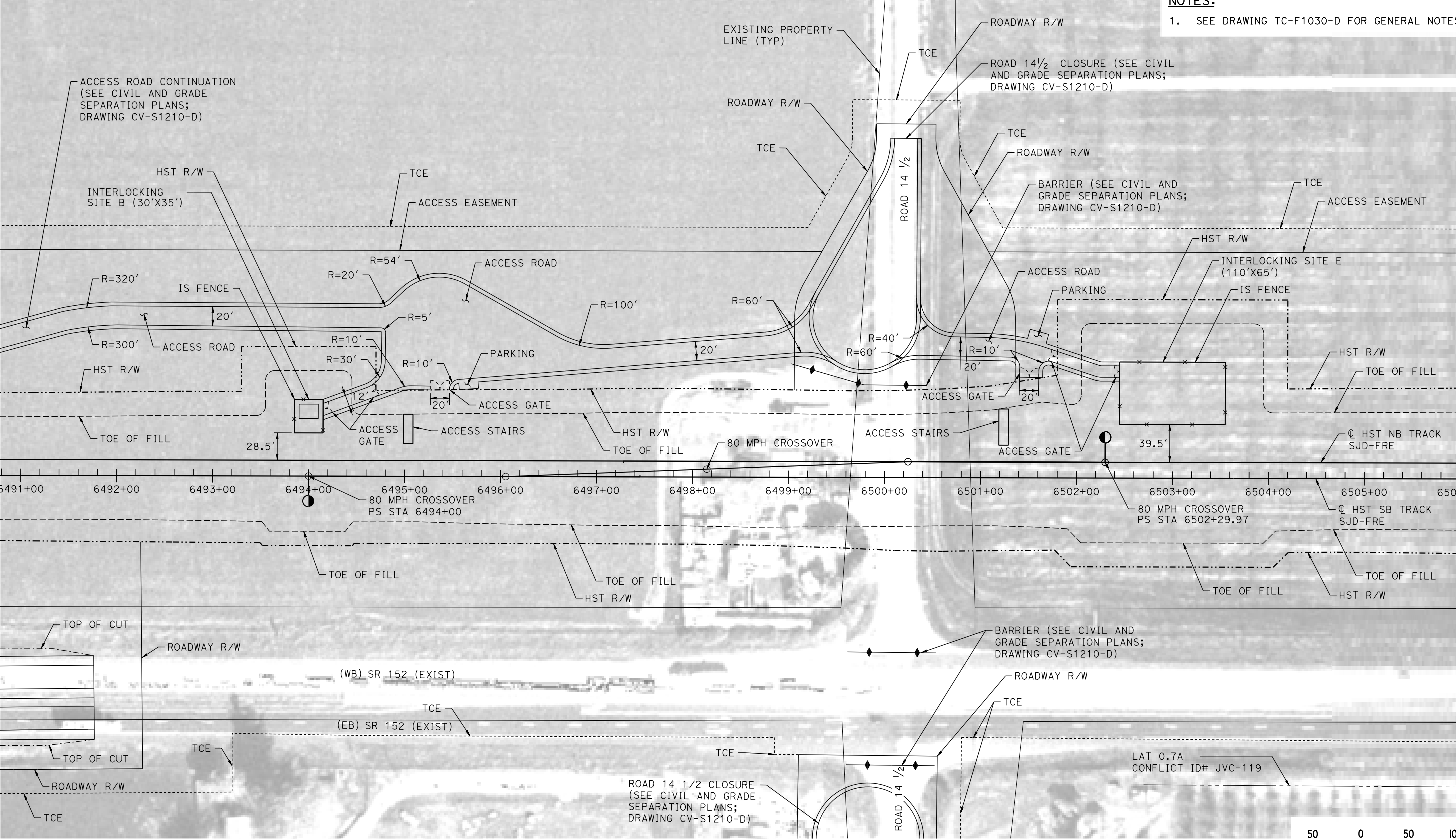
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6477+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1210-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 10:22 MF-TC-F1211-D.dgn

0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCK SITE B @ 6494+00 & INTERLOCK SITE E @ 6503+00

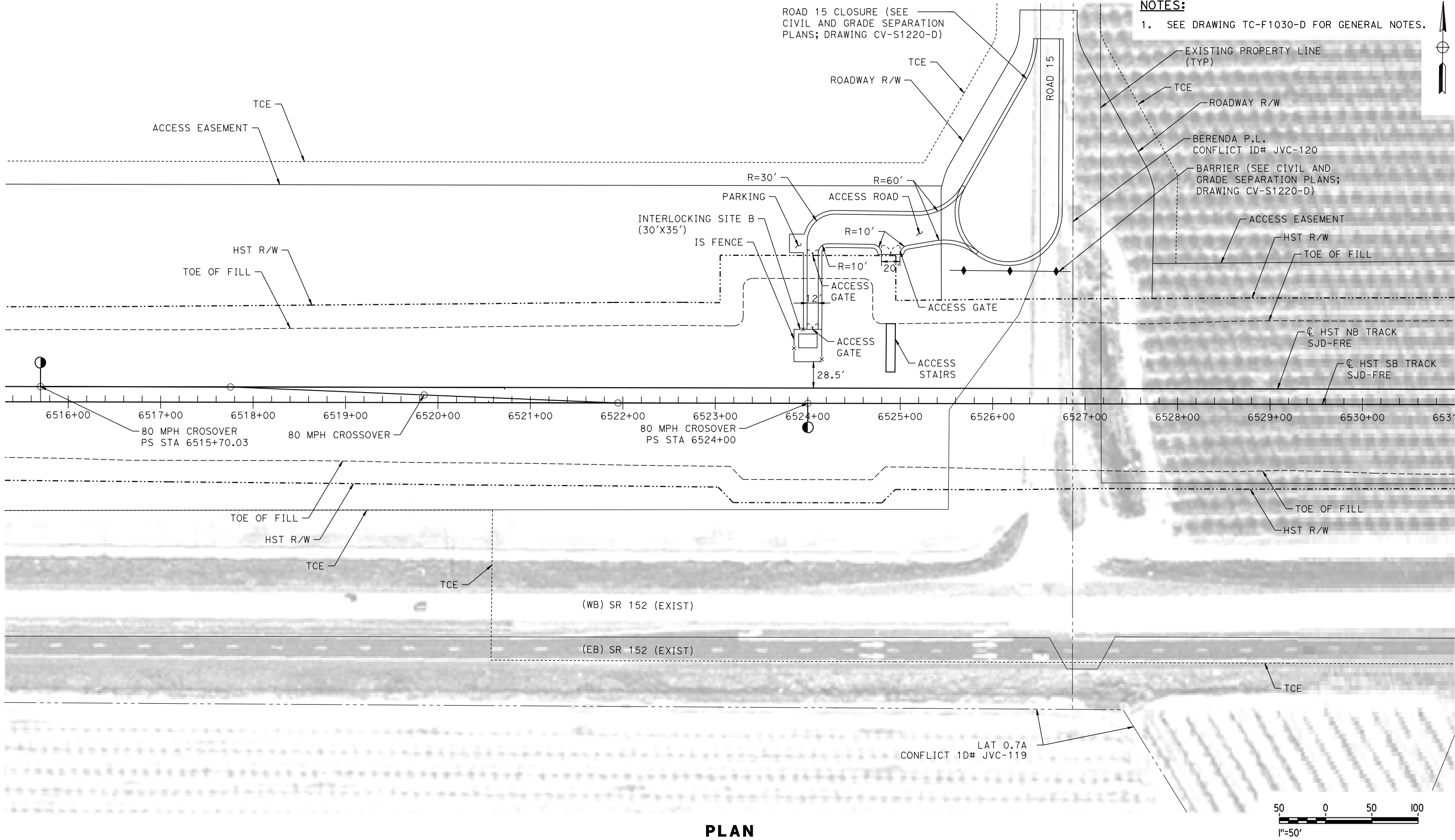
CONTRACT NO. HSR08-05
DRAWING NO. TC-F1211-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

ROAD 15 CLOSURE (SEE
CIVIL AND GRADE SEPARATION
PLANS; DRAWING CV-S1220-D)

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

p0042226 12-AUG-2016 01:57 MF-TC-F1220-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



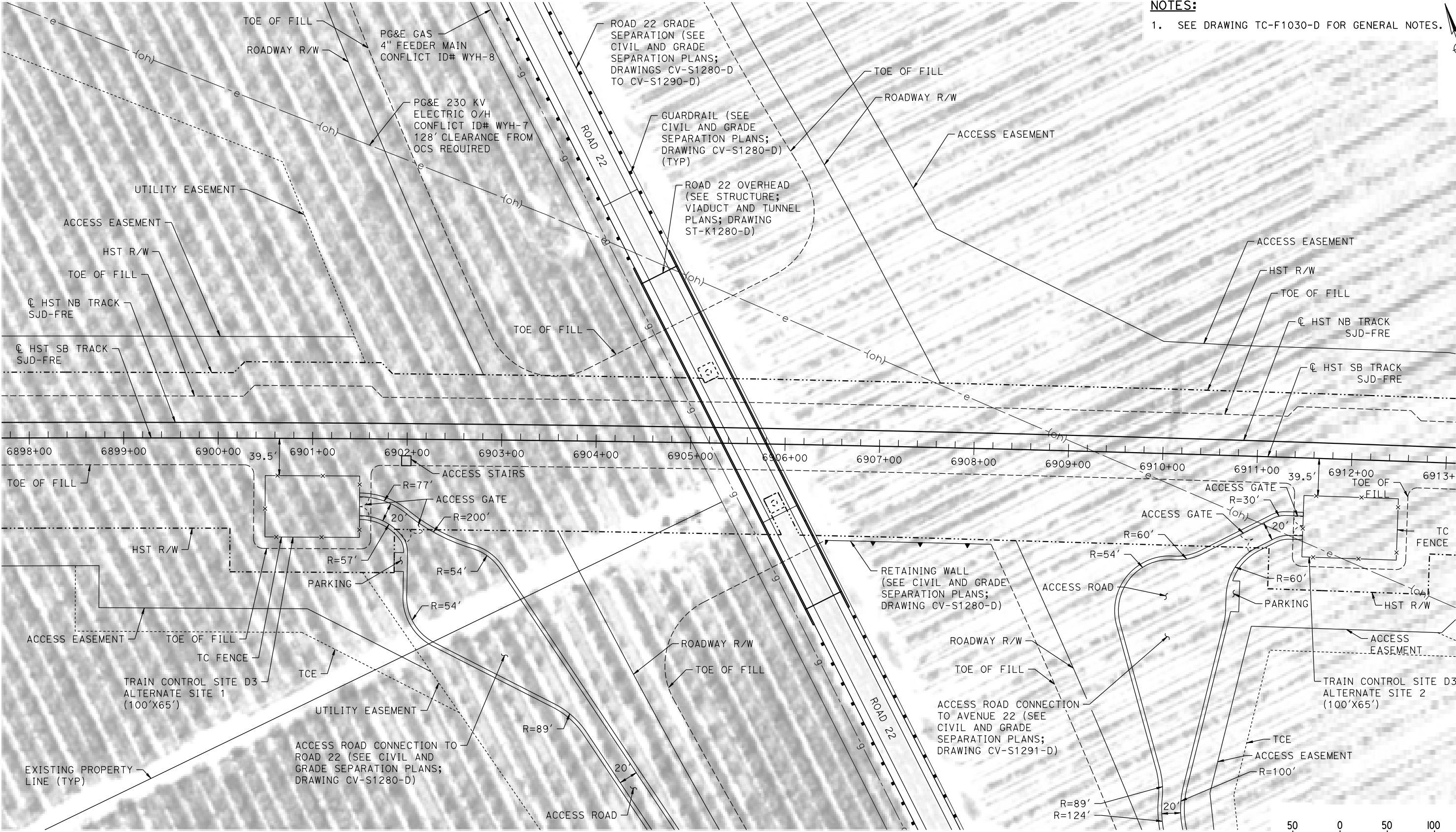
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6524+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1220-D
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN



p0042226 14-AUG-2016 10:13 MF-TC-F1280-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



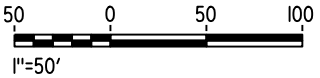
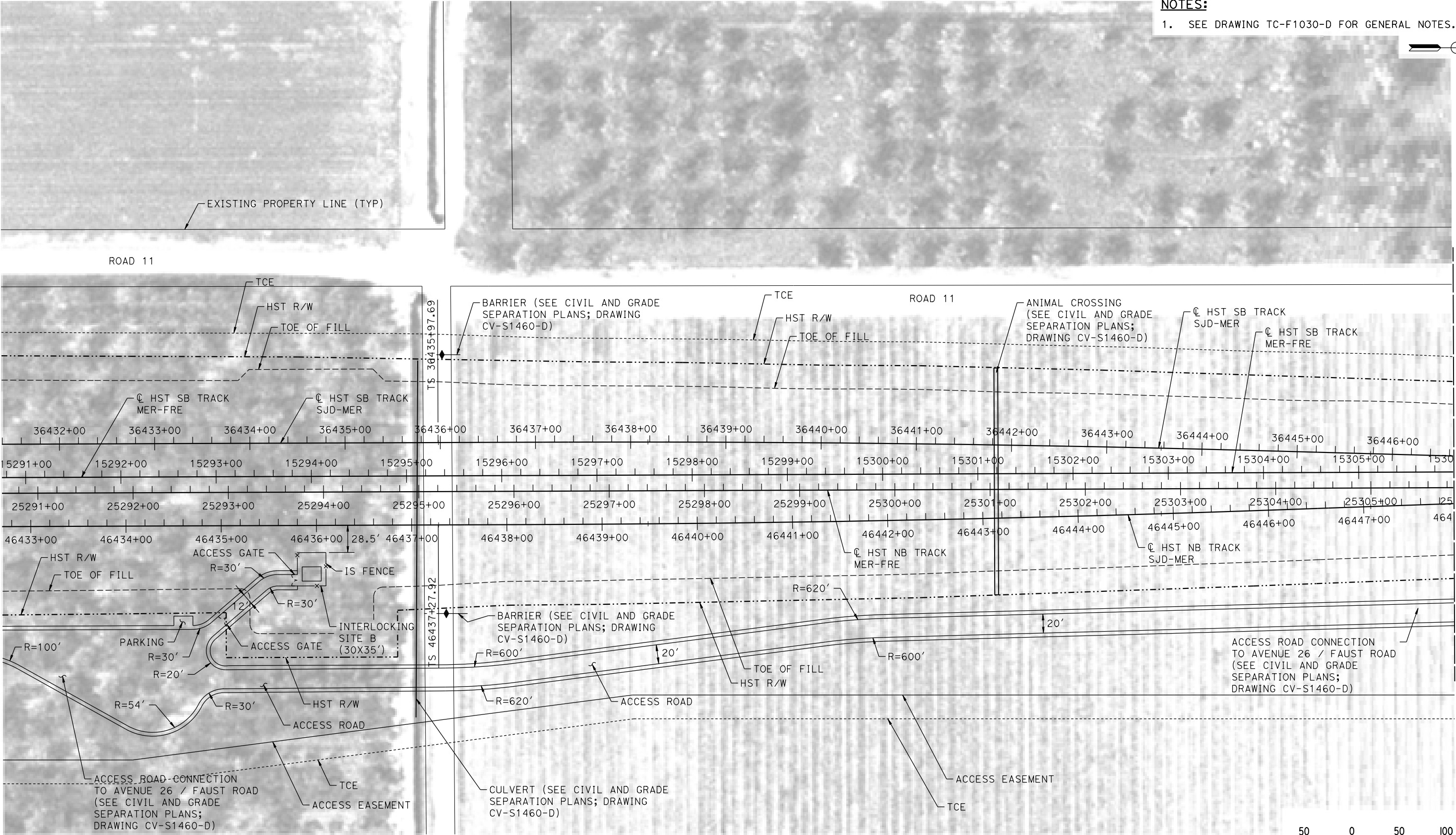
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1280-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 12:26 MF-TC-F1460-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



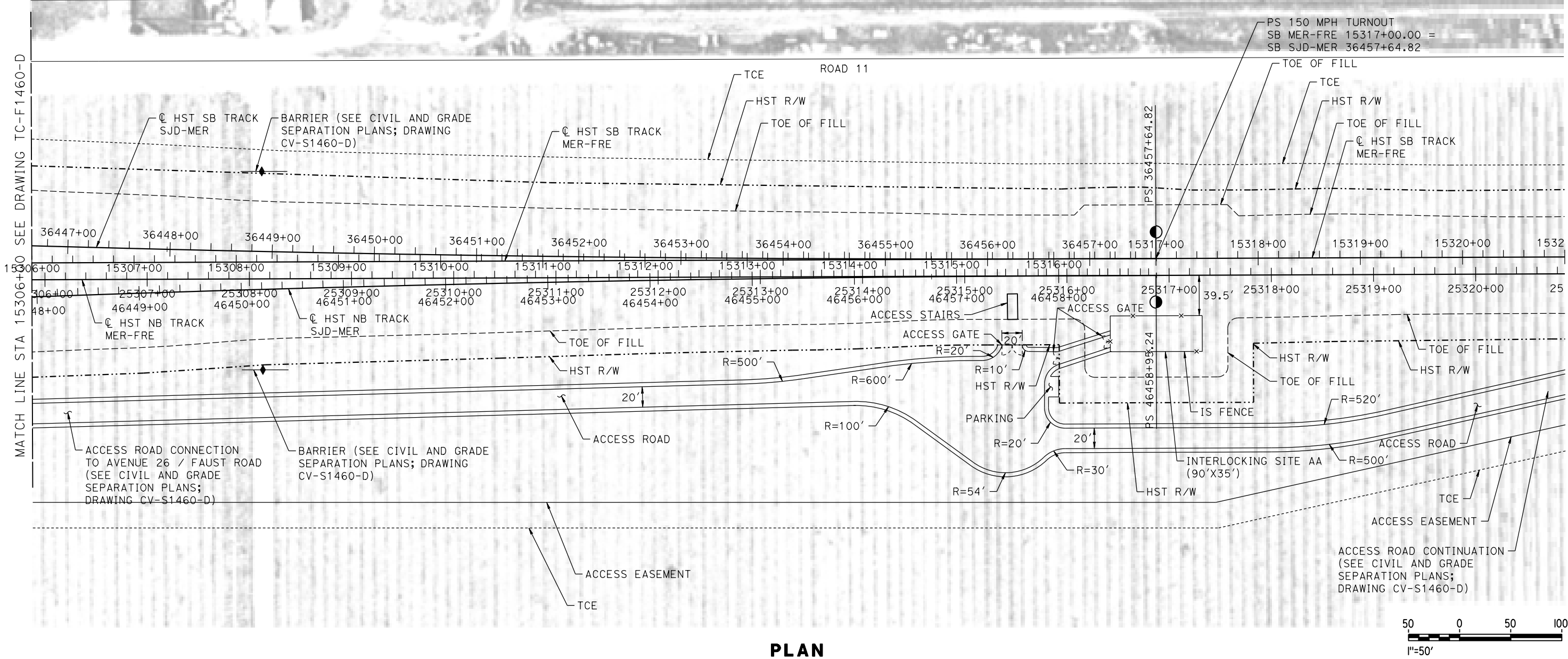
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15294+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1460-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

p0042226 12-AUG-2016 9:57 MF-TC-F1461-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

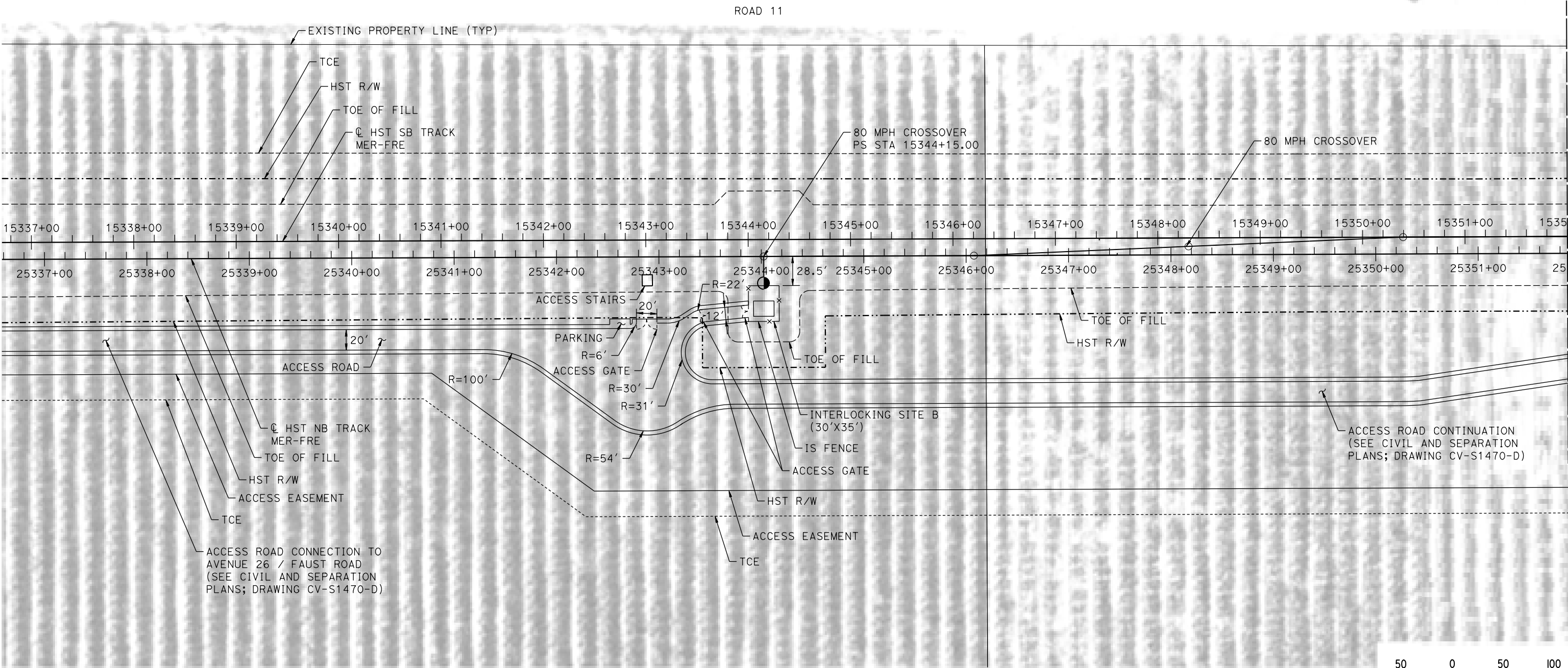


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15317+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1461-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

- NOTES:
1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 1:00 MF-TC-F1470-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



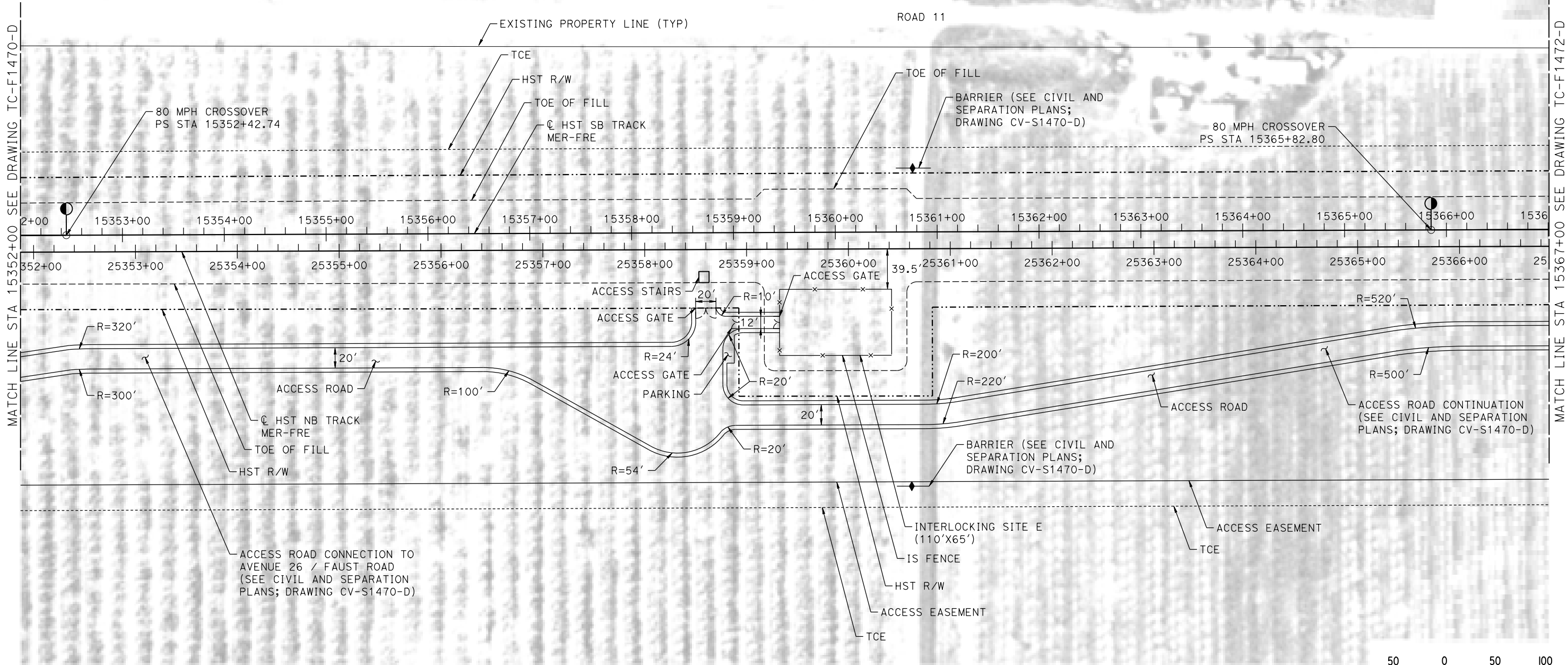
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15344+15

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1470-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 9:58 MF-TC-F1471-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



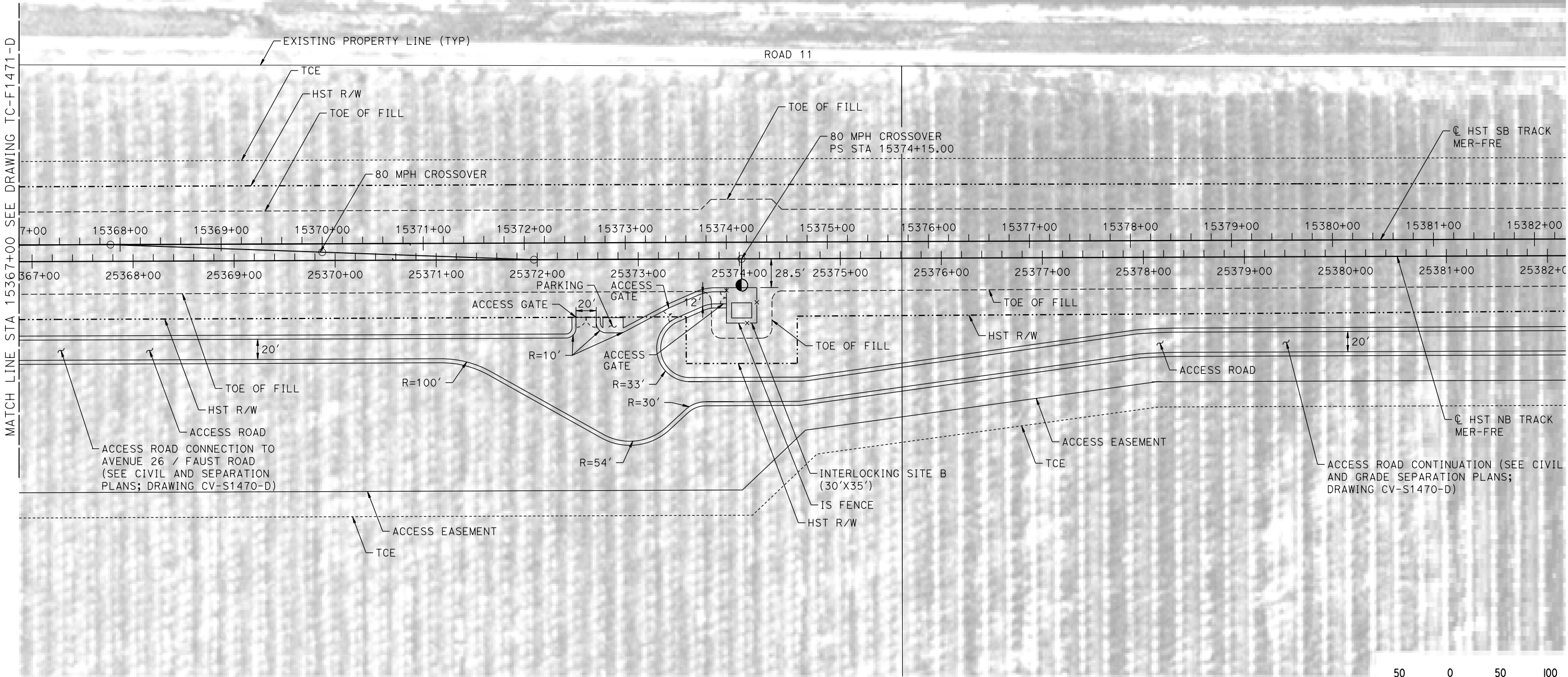
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 15360+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1471-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 11:01 MF-TC-F1472-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECASTELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



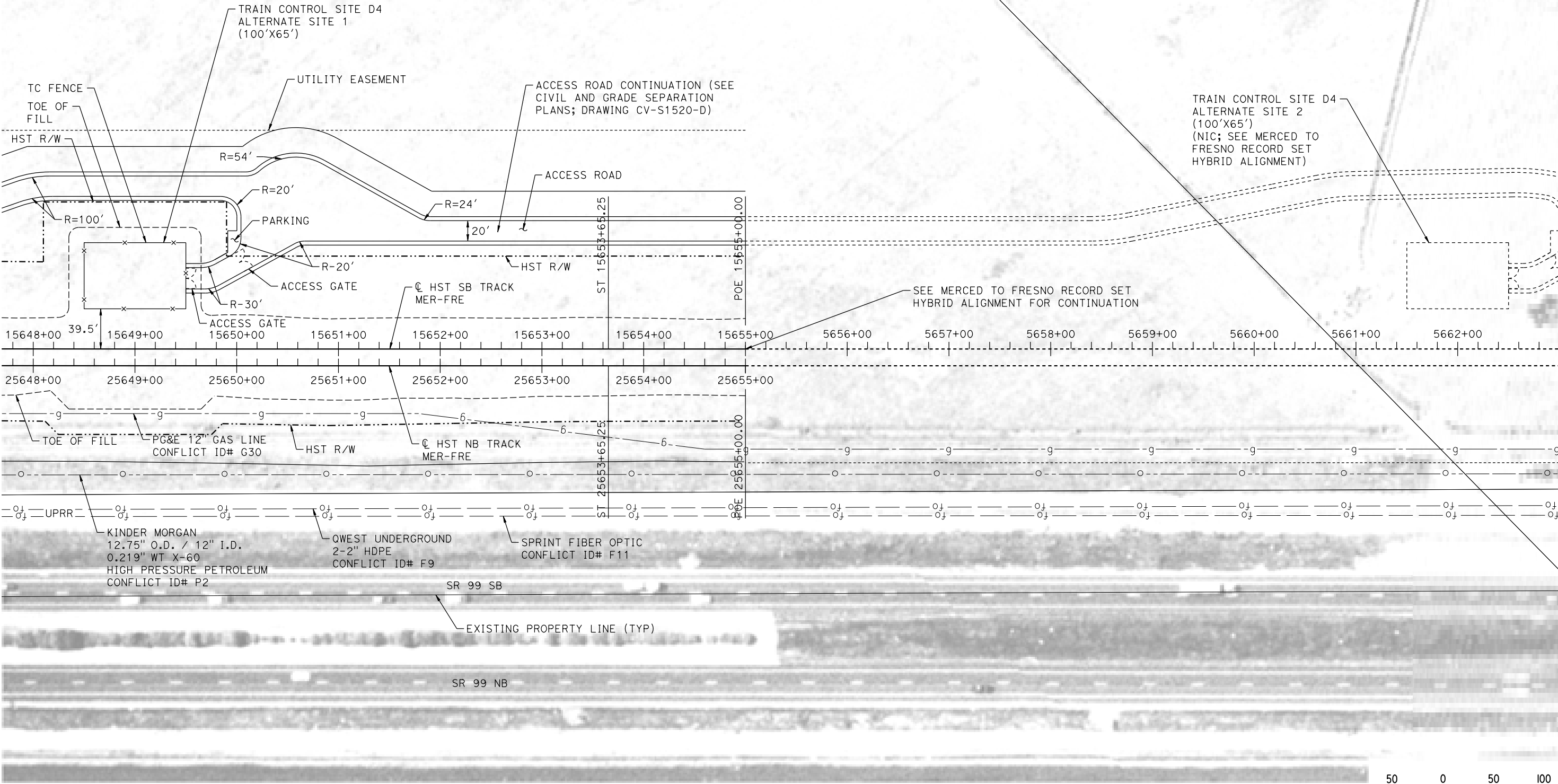
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15374+00

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1472-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING TC-F1030-D FOR GENERAL NOTES.



PLAN

12-AUG-2016 11:01 MF-TC-F1520-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. MA
DRAWN BY H. MCINNIS
CHECKED BY ECATELINO
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2

CONTRACT NO. HSR08-05
DRAWING NO. TC-F1520-D
SCALE AS SHOWN
SHEET NO.