

California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

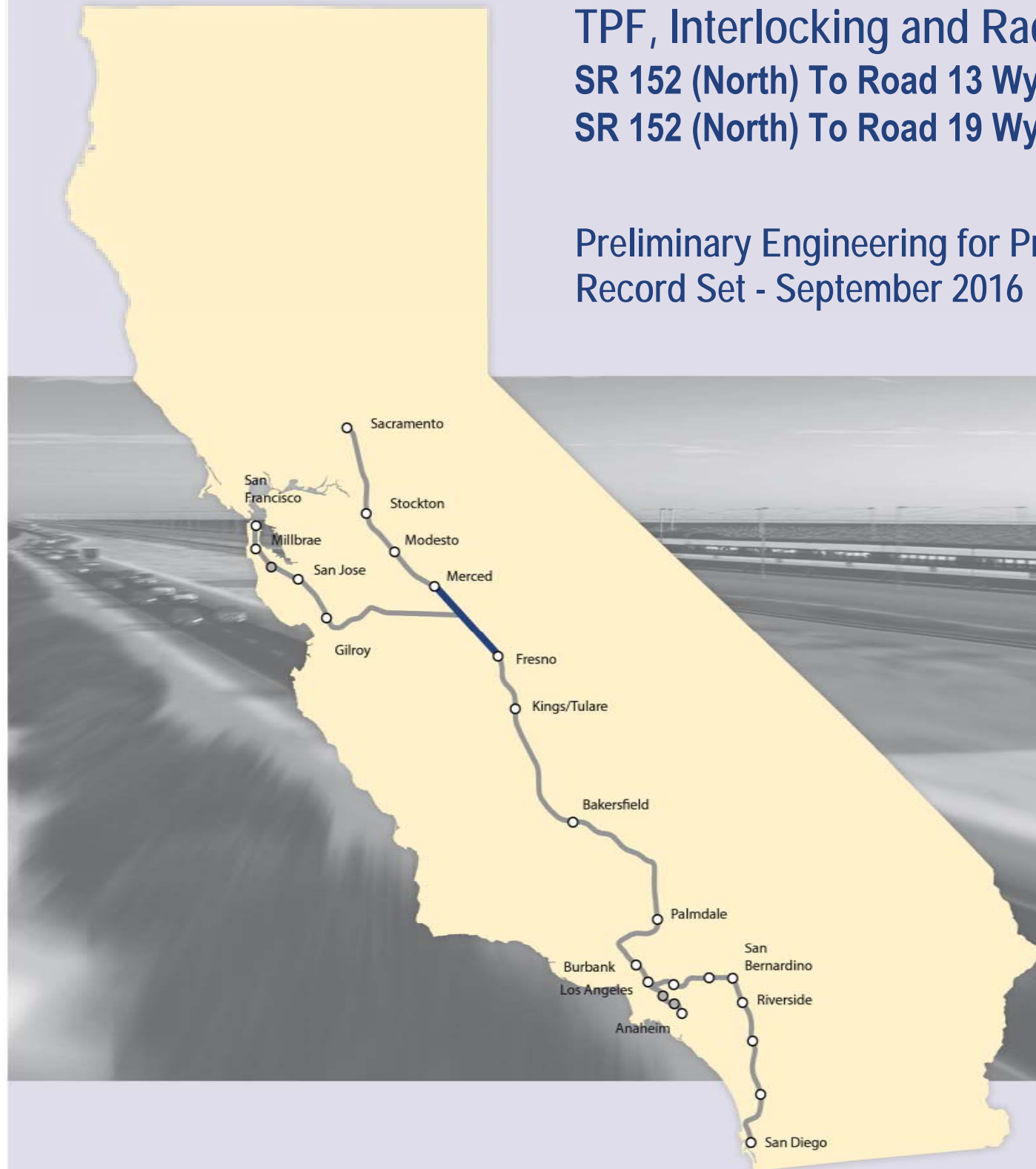
TPF, Interlocking and Radio Site Plans (Book 1 of 2)

SR 152 (North) To Road 13 Wye Alternative

SR 152 (North) To Road 19 Wye Alternative

Preliminary Engineering for Project Definition

Record Set - September 2016



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-01030-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-01090-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-01091-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-01120-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-01160-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-01200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 1
TP-01201-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 2
TP-01240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 1
TP-01241-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITE 2
TP-01280-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-01320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D5 ALTERNATE SITE 1
TP-01321-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D5 ALTERNATE SITE 2
TP-01430-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-01480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 1
TP-01490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 2
TP-01520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 1
TP-01530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 2
TP-01630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITE 1
TP-01631-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

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

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.

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-01030-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-01090-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-01091-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-01130-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 1
TP-01140-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITE 2
TP-01190-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-01250-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-01280-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-01320-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-01420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 1
TP-01430-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 2
TP-01470-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-01510-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-01540-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-01541-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-01630-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

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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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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
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SHEET 2 OF 5

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

INDEX OF DRAWINGS

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

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

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.

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TP-01431-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITE 2
TP-01480-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 1
TP-01481-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITE 2
TP-01530-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 1
TP-01540-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 2
TP-01630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION F ALTERNATE SITES 1 & 2
CO-F1010-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2
CO-F1060-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 3 ALTERNATE SITES 1 & 2
CO-F1150-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 1
CO-F1151-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 2
CO-F1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 10 ALTERNATE SITES 1 & 2
CO-F1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE SJF 12 ALTERNATE SITES 1 & 2
CO-F1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 4 ALTERNATE SITE 1
CO-F1501-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	STANDALONE RADIO SITE MF 4 ALTERNATE SITE 2
TC-F1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D1 ALTERNATE SITES 1 & 2
TC-F1110-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITE 1
TC-F1111-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	COMMUNICATIONS SYSTEM SITE PLAN	TRAIN CONTROL SITE D2 ALTERNATE SITE 2
TC-F1170-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6242+00
TC-F1171-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 6270+00
TC-F1172-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6290+00
TC-F1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6603+50
TC-F1240-C	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
TC-F1241-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE E @ 6650+00
TC-F1242-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 6664+40
TC-F1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2
TC-F1460-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15121+50
TC-F1461-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE AA @ 15143+00
TC-F1462-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	INTERLOCKING SITE B @ 15170+73
TC-F1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	AUTOMATIC TRAIN CONTROL SITE PLAN	TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE				
TP-B4001-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SYSTEMS FACILITIES KEY PLAN	SHEET 1 OF 1
TP-01030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION C4 ALTERNATE SITES 1 & 2
TP-01090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 1
TP-01091-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SUBSTATION D (EL NIDO) ALTERNATE SITE 2
TP-01130-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D1 ALTERNATE SITES 1 & 2
TP-01190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 1
TP-01191-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION D ALTERNATE SITE 2
TP-01230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D2 ALTERNATE SITES 1 & 2
TP-01270-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D3 ALTERNATE SITES 1 & 2
TP-01320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITE 1
TP-01321-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION D4 ALTERNATE SITE 2
TP-01440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	SWITCHING STATION E ALTERNATE SITES 1 & 2
TP-01480-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E1 ALTERNATE SITES 1 & 2

12-AUG-2016 01:06 MF-TP-B0005.dgn

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
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
DRAWING NO.
TP-B0005
SCALE
NO SCALE
SHEET NO.

INDEX OF DRAWINGS

DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TP-01510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 1
TP-01520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACTION POWER FACILITY SITE PLAN	PARALLELING STATION E2 ALTERNATE SITE 2
TP-01640-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

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12-AUG-2016 01:06

p0042226

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
CONSTRUCTION



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.

A

C

D CONTINUED

F CONTINUED

J CONTINUED

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

CAA CABLE ANCHOR ASSEMBLY
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH
 CAS CONSTRUCTION AREA SIGN
 CB CONCRETE BARRIER
 CBW CONCRETE BLOCK WALL
 C-C CENTER TO CENTER
 CHSRA CALIFORNIA HIGH-SPEED RAIL
 CHST CALIFORNIA HIGH-SPEED TRAIN
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST-IN-PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CHAIN LINK, CLASS
 CL-6 CHAIN LINK FENCE (6 FT)
 CLR CLEAR, CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT, CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER
 CP1 CONSTRUCTION PACKAGE 1
 CR CREEK
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
 CRSP CONCRETED ROCK SLOPE PROTECTION
 CRZ CLEAR RECOVERY ZONE
 CS CURVE SPIRAL POINT
 CSP CORRUGATED STEEL PIPE
 CSPA CORRUGATED STEEL PIPE ARCH
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CULV CULVERT
 @ CENTERLINE

D

D DEPTH
 DD DOWNDRAIN
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR

E

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

F

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

G

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

H

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

I

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

J

JCT JUNCTION
 JP JOINT POLE
 JPCP JOINTED PLAIN CONCRETE PAVEMENT

JS JUNCTION STRUCTURE
 JT JOINT
 L LENGTH
 LAT LATITUDE
 LCB LEAN CONCRETE BASE
 LLT LAST LONG TIE
 LN LANE
 LOC LOCATION
 LOL LAYOUT LINE
 LONG LONGITUDE
 LONGIT LONGITUDINAL
 LS LUMP SUM, LENGTH OF SPIRAL
 LT LEFT
 LVC LENGTH OF VERTICAL CURVE

L

M

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

N

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

O

OBLR OBLITERATE

15-AUG-2016 7:49 MF-TP-B0007.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
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 TPF, INTERLOCKING AND RADIO SITE PLANS
 ABBREVIATIONS
 SHEET 1 OF 2

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

O CONTINUED

OC OVERCROSSING
 OCS OVERHEAD CONTACT SYSTEM
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 OG ORIGINAL GROUND
 OGAC OPEN GRADED ASPHALT CONCRETE
 OH OVERHEAD
 O-O OUT TO OUT
 OPP OPPOSITE

P

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

P CONTINUED

PVI POINT OF VERTICAL INTERSECTION
 PVMT PAVEMENT
 PVT POINT OF VERTICAL TANGENT

Q

QTY QUANTITY

R

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

S

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

S CONTINUED

SJM SAN JOSE TO MERCED
 SJV SAN JOAQUIN VALLEY
 S STATION LINE
 SM SELECTED MATERIAL
 SPEC SPECIAL, SPECIFICATIONS
 SPP SLOTTED PLASTIC PIPE
 SR STATE ROUTE
 SRS STANDALONE RADIO SITE
 SS SLOPE STAKE, SUBSTATION
 SSBM STRAP AND SADDLE BRACKET METHOD
 SSD STRUCTURAL SECTION DRAIN
 SSPA STRUCTURAL STEEL PLATE ARCH
 SSPP STRUCTURAL STEEL PLATE PIPE
 SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
 SSRP STEEL SPIRAL RIB PIPE
 ST STREET, SPIRAL TANGENT POINT
 STA STATION
 STBB SINGLE THRIE BEAM BARRIER
 STD STANDARD
 STR STRUCTURE
 SURF SURFACING
 SW SIDEWALK, SOUND WALL
 SWR SEWER
 SWS SWITCHING STATION
 SYM SYMMETRICAL
 S4S SURFACE 4 SIDES

T

T SEMI-TANGENT
 TAB TABLET
 TAN TANGENT
 TBB THRIE BEAM BARRIER
 TBD TO BE DETERMINED
 TBR TIMBER
 TC TOP OF CURB, TRAIN CONTROL
 TCB TRAFFIC CONTROL BOX
 TCE TEMPORARY CONSTRUCTION EASEMENT
 TEL TELEPHONE
 TEMP TEMPORARY
 TG TOP OF GRADE
 TM TECHNICAL MEMORANDUM
 TO TURNOUT
 TOT TOTAL
 TP TELEPHONE POLE
 TPB TREATED PERMEABLE BASE
 TPF TRACTION POWER FACILITY
 TPM TREATED PERMEABLE MATERIAL
 TPSS TRACTION POWER SUBSTATION
 T/R TOP OF RAIL
 TRANS TRANSITION
 TRK TRACK

T CONTINUED

TS TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT SPIRAL POINT
 TYP TYPICAL

U

UC UNDERCROSSING
 UD UNDERDRAIN
 UON UNLESS OTHERWISE NOTED
 UP UNDERPASS
 UPRR UNION PACIFIC RAILROAD
 UXO UNIVERSAL CROSSOVER

V

V DESIGN SPEED, VALVE
 VAR VARIABLE
 VC VERTICAL CURVE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VIA VIADUCT
 VOL VOLUME

W

W WEST, WIDTH
 WB WESTBOUND
 WCB WORLD COORDINATE BEARING
 WH WEEP HOLE
 WM WIRE MESH
 WS WATER SURFACE
 WSP WELDED STEEL PIPE
 WT WEIGHT
 WV WATER VALVE
 WW WINGWALL
 WWL WINGWALL LAYOUT LINE

X

X SEC CROSS SECTION
 XING CROSSING
 XO CROSSOVER

Y

YR YEAR
 YRS YEARS

15-AUG-2016 09:01:27 MF-TP-B0008.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
SUBMITTAL

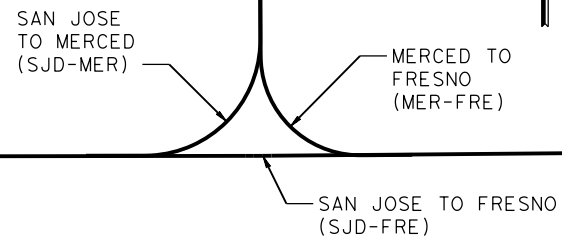
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 TPF, INTERLOCKING AND RADIO SITE PLANS
 ABBREVIATIONS
 SHEET 2 OF 2

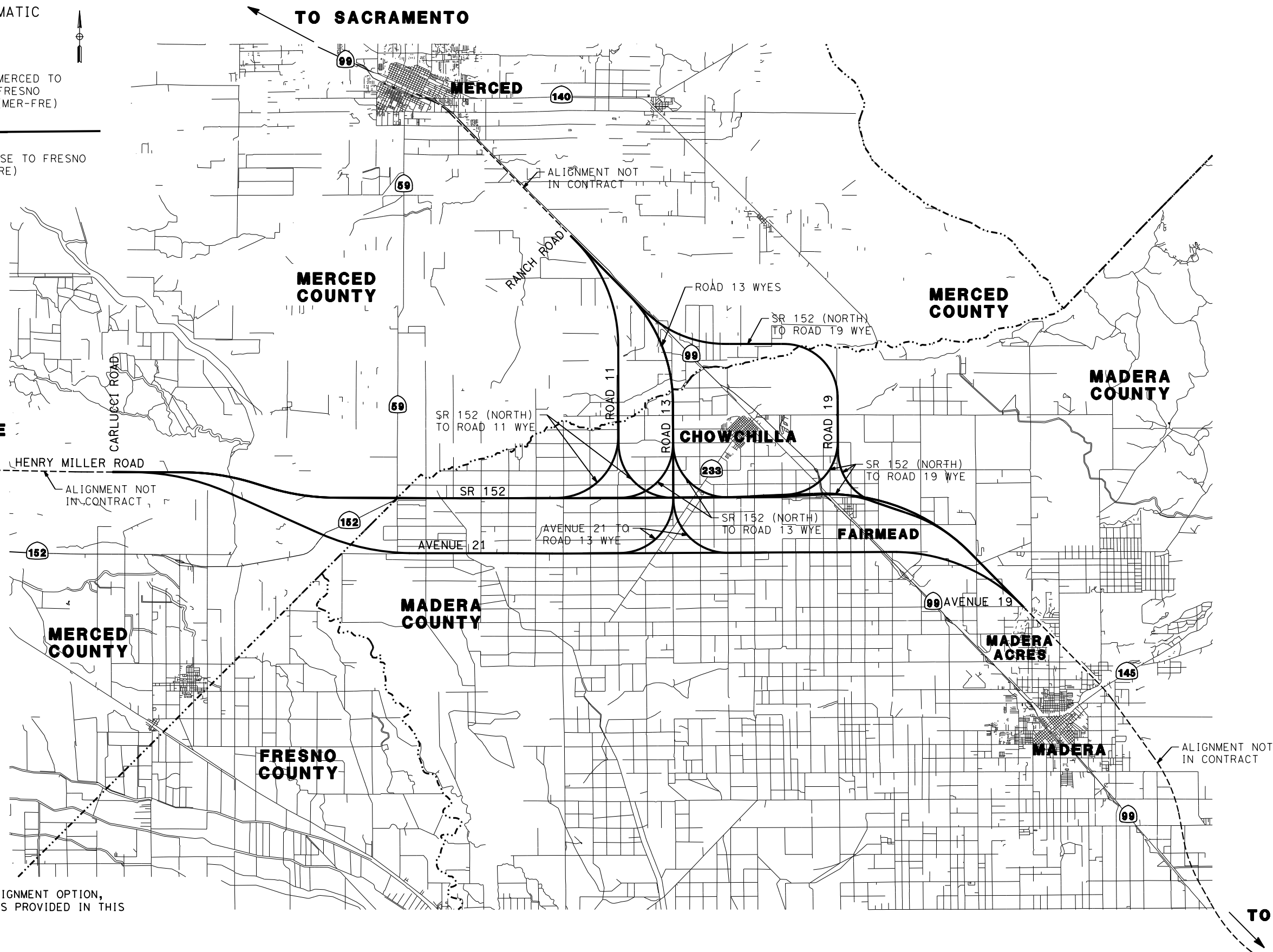
CONTRACT NO.
HSR08-05
 DRAWING NO.
TP-B0008
 SCALE
NO SCALE
 SHEET NO.

WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO



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

TO FRESNO

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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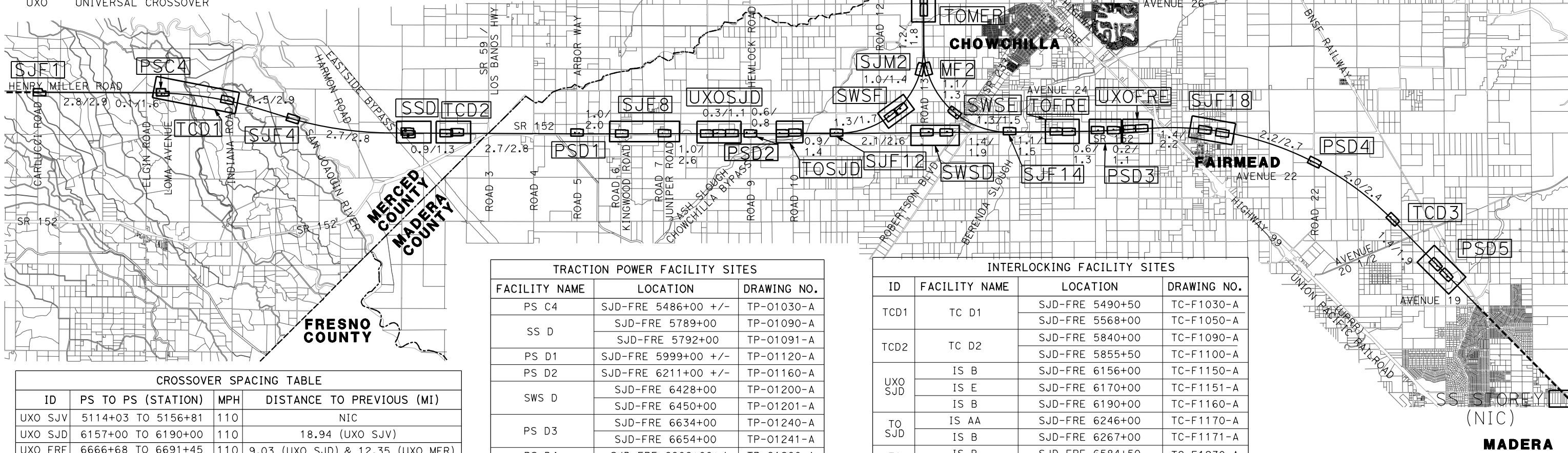
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
LOCATION PLAN

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

STANDALONE RADIO SITES		
FACILITY NAME	LOCATION	DRAWING NO.
SJF 1	SJD-FRE 5336+00 +/-	CO-F1010-A
SJF 4	SJD-FRE 5645+00	CO-F1060-A
SJF 8	SJD-FRE 6055+00	CO-F1130-A
	SJD-FRE 6103+00	CO-F1140-A
	SJD-FRE 6315+00 +/-	CO-F1180-A
SJF 12	SJD-FRE 6315+00 +/-	CO-F1180-A
SJF 14	SJD-FRE 6527+00 +/-	CO-F1220-A
SJF 18	SJD-FRE 6767+00	CO-F1260-A
	SJD-FRE 6784+00	CO-F1261-A
MF 2	MER-FRE 15160+00 +/-	CO-F1440-A
MF 5	MER-FRE 15474+00 +/-	CO-F1500-A
SJM 2	SJD-MER 36455+00 +/-	CO-F1640-A



CROSSOVER SPACING TABLE			
ID	PS TO PS (STATION)	MPH	DISTANCE TO PREVIOUS (MI)
UXO SJV	5114+03 TO 5156+81	110	NIC
UXO SJD	6157+00 TO 6190+00	110	18.94 (UXO SJV)
UXO FRE	6666+68 TO 6691+45	110	9.03 (UXO SJD) & 12.35 (UXO MER)
UXO MER	15535+29 TO 15569+00	110	12.13 (UXO SJD) & 12.35 (UXO FRE)

TURNOUT SPACING TABLE			
ID	PS (STATION)	MPH	DISTANCE TO NEAREST XO/UXO (MI)
TO SJD	SJD-FRE 6246+00	150	1.06 (UXO SJD)
TO FRE	SJD-FRE 6603+00	150	1.21 (UXO FRE)
TO MER	MER-FRE 15247+44	150	5.45 (UXO MER)

TRACTION POWER FACILITY SITES		
FACILITY NAME	LOCATION	DRAWING NO.
PS C4	SJD-FRE 5486+00 +/-	TP-01030-A
SS D	SJD-FRE 5789+00	TP-01090-A
	SJD-FRE 5792+00	TP-01091-A
PS D1	SJD-FRE 5999+00 +/-	TP-01120-A
PS D2	SJD-FRE 6211+00 +/-	TP-01160-A
SWS D	SJD-FRE 6428+00	TP-01200-A
	SJD-FRE 6450+00	TP-01201-A
PS D3	SJD-FRE 6634+00	TP-01240-A
	SJD-FRE 6654+00	TP-01241-A
PS D4	SJD-FRE 6906+00 +/-	TP-01280-A
	SJD-FRE 7102+00	TP-01320-A
PS D5	SJD-FRE 7120+00	TP-01321-A
	SJD-FRE 7120+00	TP-01321-A
SWS E	MER-FRE 15096+00 +/-	TP-01430-A
	MER-FRE 15376+50	TP-01480-A
PS E1	MER-FRE 15394+00	TP-01490-A
	MER-FRE 15580+00	TP-01520-A
PS E2	MER-FRE 15630+00	TP-01530-A
	SJD-MER 36384+00	TP-01630-A
SWS F	SJD-MER 36401+00	TP-01631-A
	SJD-MER 36401+00	TP-01631-A

INTERLOCKING FACILITY SITES			
ID	FACILITY NAME	LOCATION	DRAWING NO.
TCD1	TC D1	SJD-FRE 5490+50	TC-F1030-A
		SJD-FRE 5568+00	TC-F1050-A
TCD2	TC D2	SJD-FRE 5840+00	TC-F1090-A
		SJD-FRE 5855+50	TC-F1100-A
UXO SJD	IS B	SJD-FRE 6156+00	TC-F1150-A
		SJD-FRE 6170+00	TC-F1151-A
		SJD-FRE 6190+00	TC-F1160-A
TO SJD	IS AA	SJD-FRE 6246+00	TC-F1170-A
		SJD-FRE 6267+00	TC-F1171-A
TO FRE	IS B	SJD-FRE 6584+50	TC-F1230-A
		SJD-FRE 6603+00	TC-F1231-A
UXO FRE	IS B	SJD-FRE 6666+68	TC-F1240-A
		SJD-FRE 6678+50	TC-F1250-A
UXO FRE	IS B	SJD-FRE 6690+45	TC-F1250-A
		SJD-FRE 6690+45	TC-F1250-A
TCD3	TC D3	SJD-FRE 7024+00 +/-	TC-F1310-A
TO MER	IS B	MER-FRE 15226+00	TC-F1460-A
		MER-FRE 15247+50	TC-F1461-A
UXO MER	IS B	MER-FRE 15535+00	TC-F1510-A
		MER-FRE 15550+50	TC-F1511-A
		MER-FRE 15569+00	TC-F1520-A



31-AUG-2016 5:21 MF-TP-B4001-A.dgn

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

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CONSTRUCTION



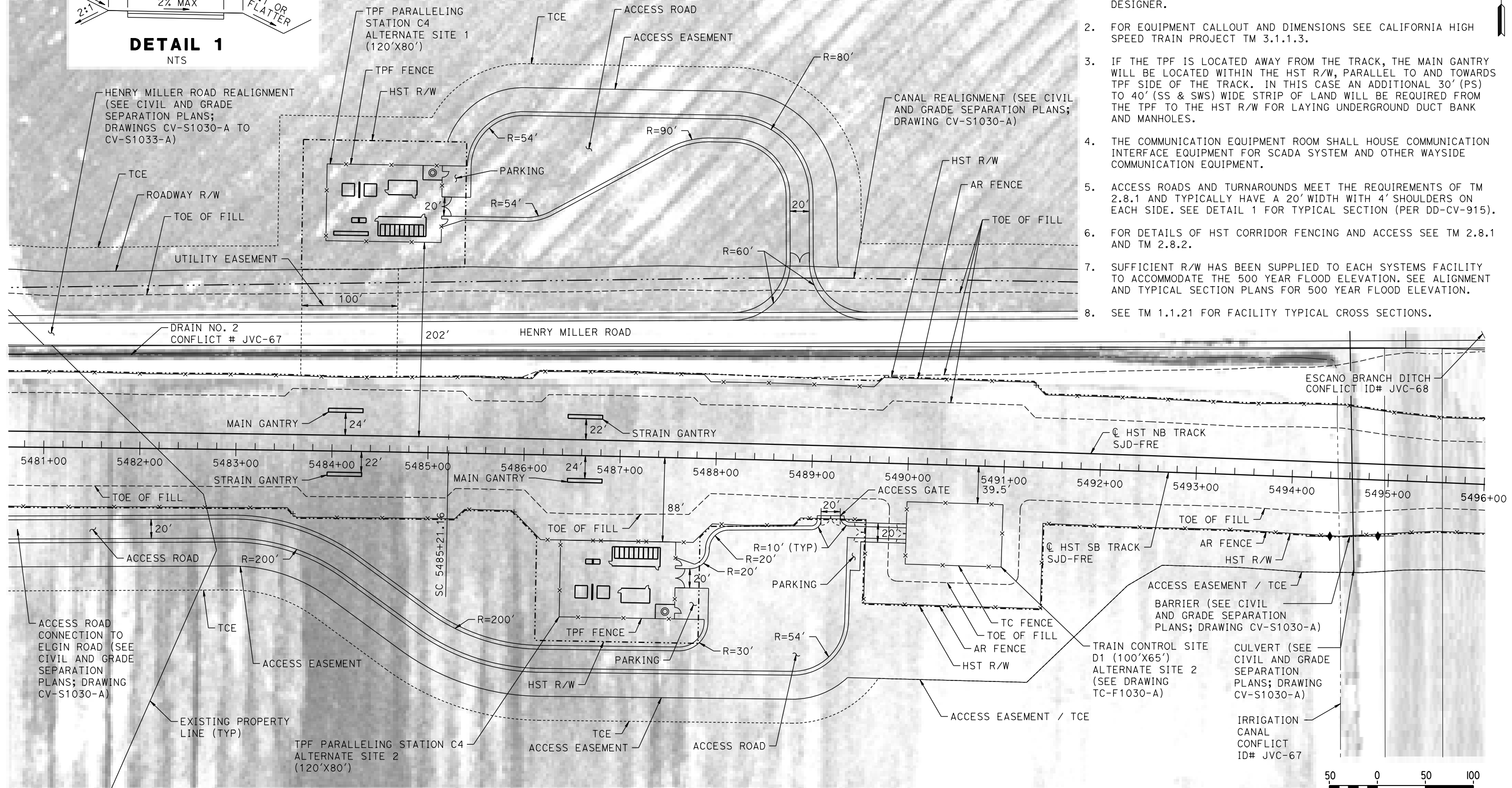
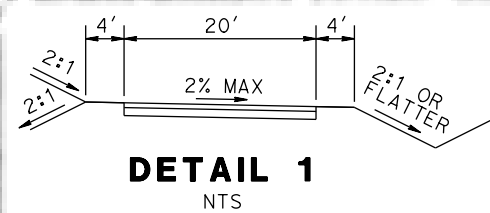
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

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

MERCED COUNTY

GENERAL NOTES:

1. THIS IS A TYPICAL TPF SITE LAYOUT AND ORIENTATION 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

11-MAR-2016 10:43 MF-TP-01030-A.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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) 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-A

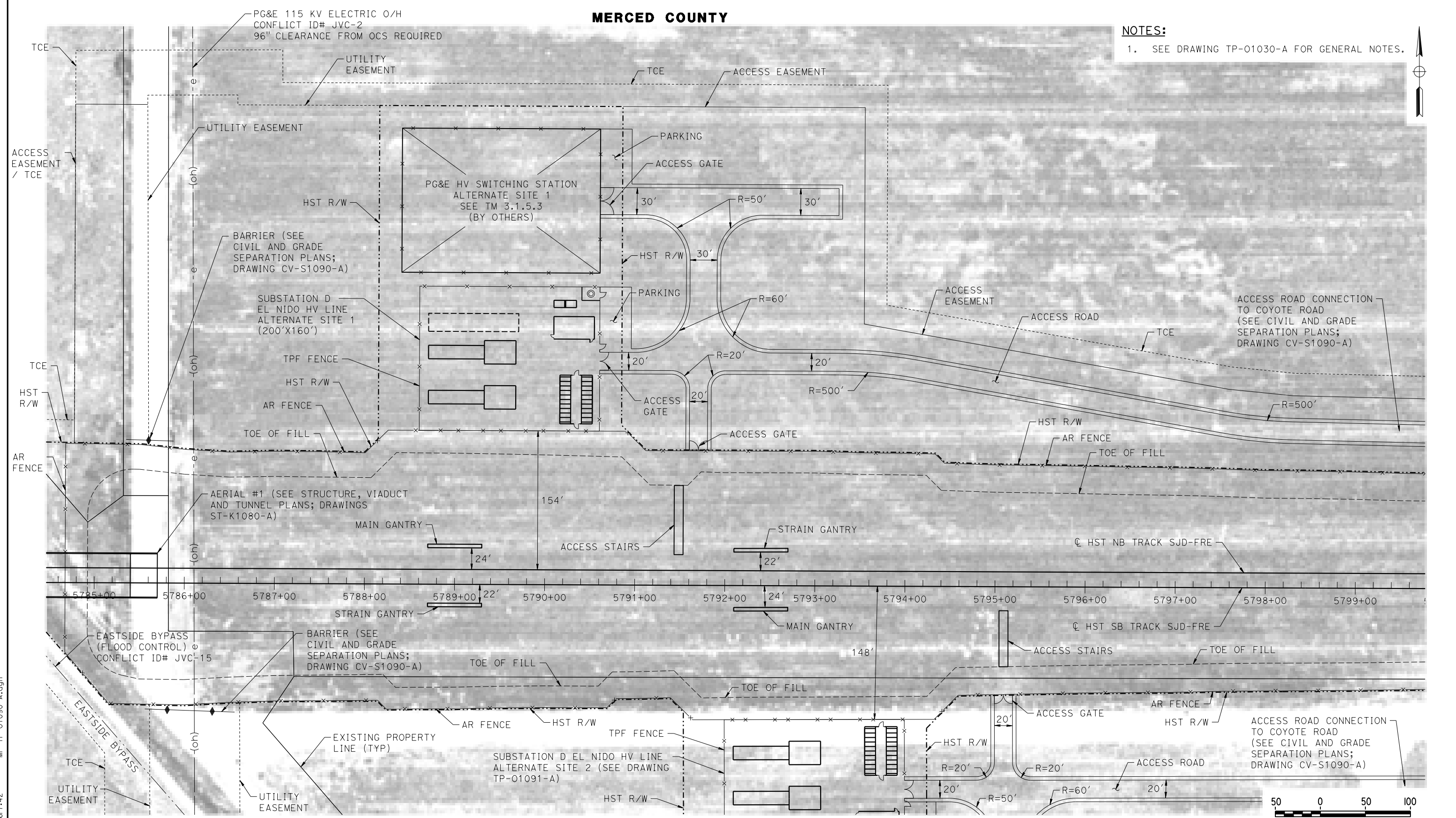
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

07-MAR-2016 7:42 MF-TP-01090-A.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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01090-A

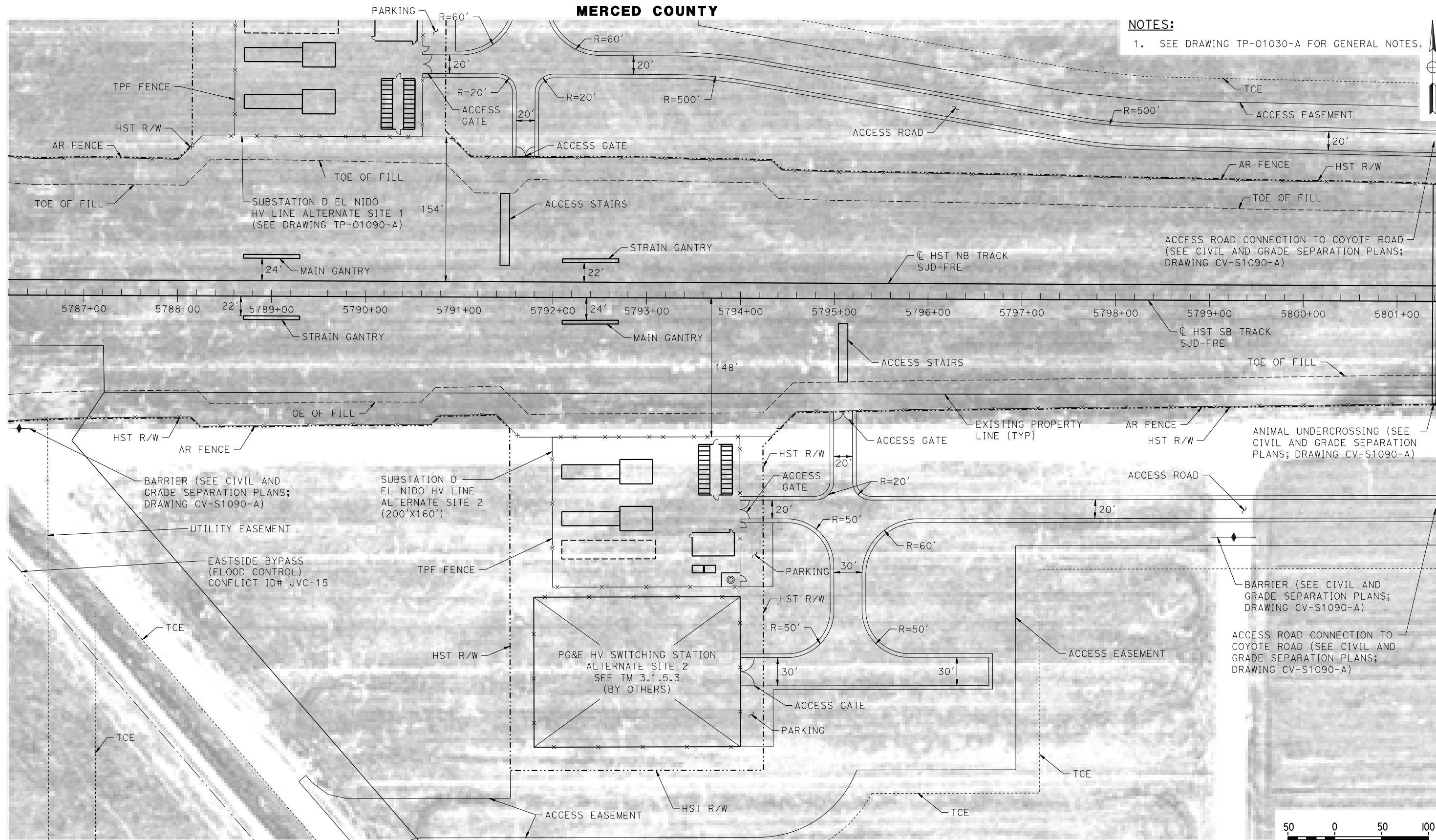
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

07-MAR-2016 7:43 MF-TP-01091-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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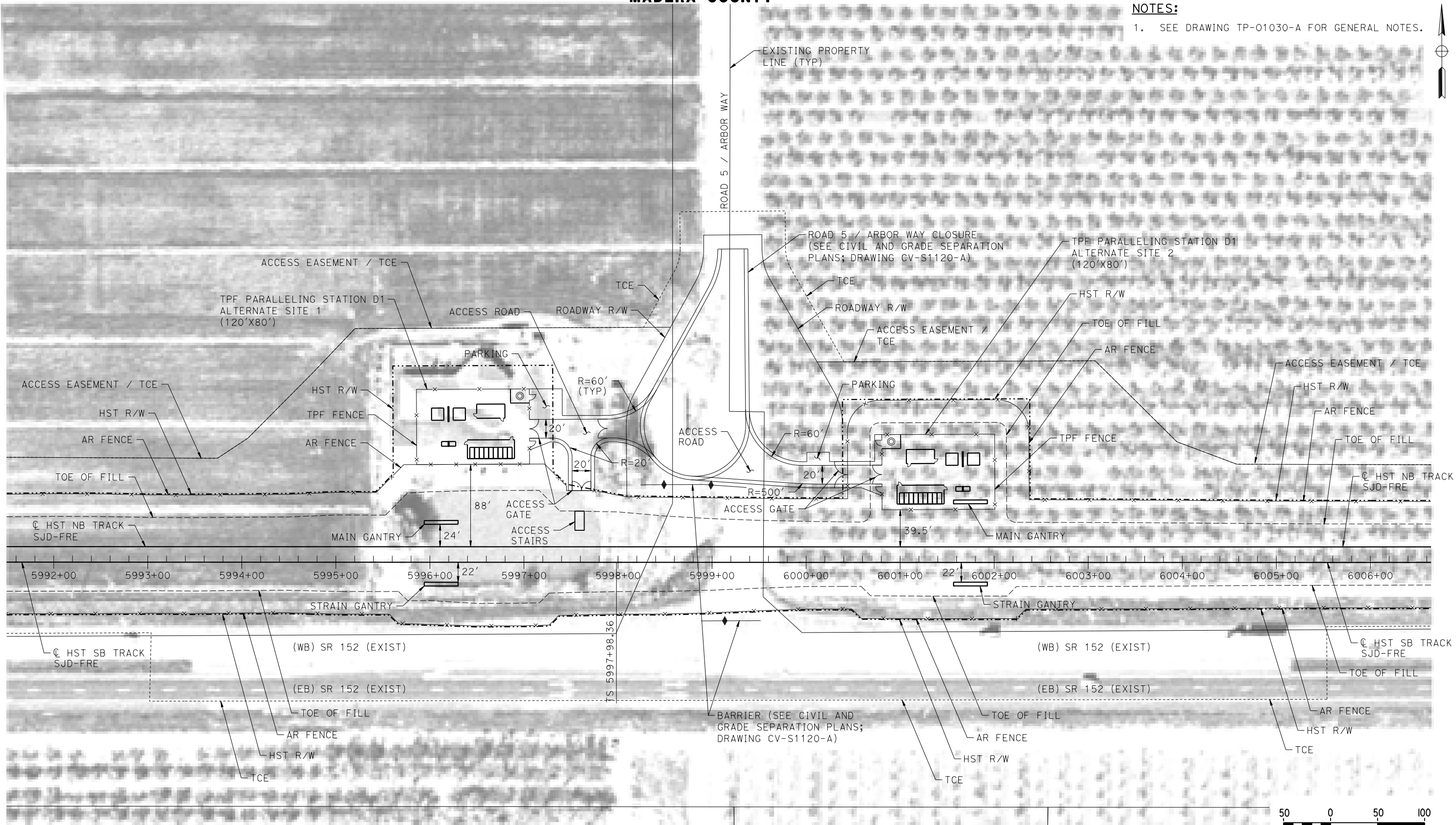
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01091-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

07-MAR-2016 7:44 MF-TP-01120-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITES 1 & 2

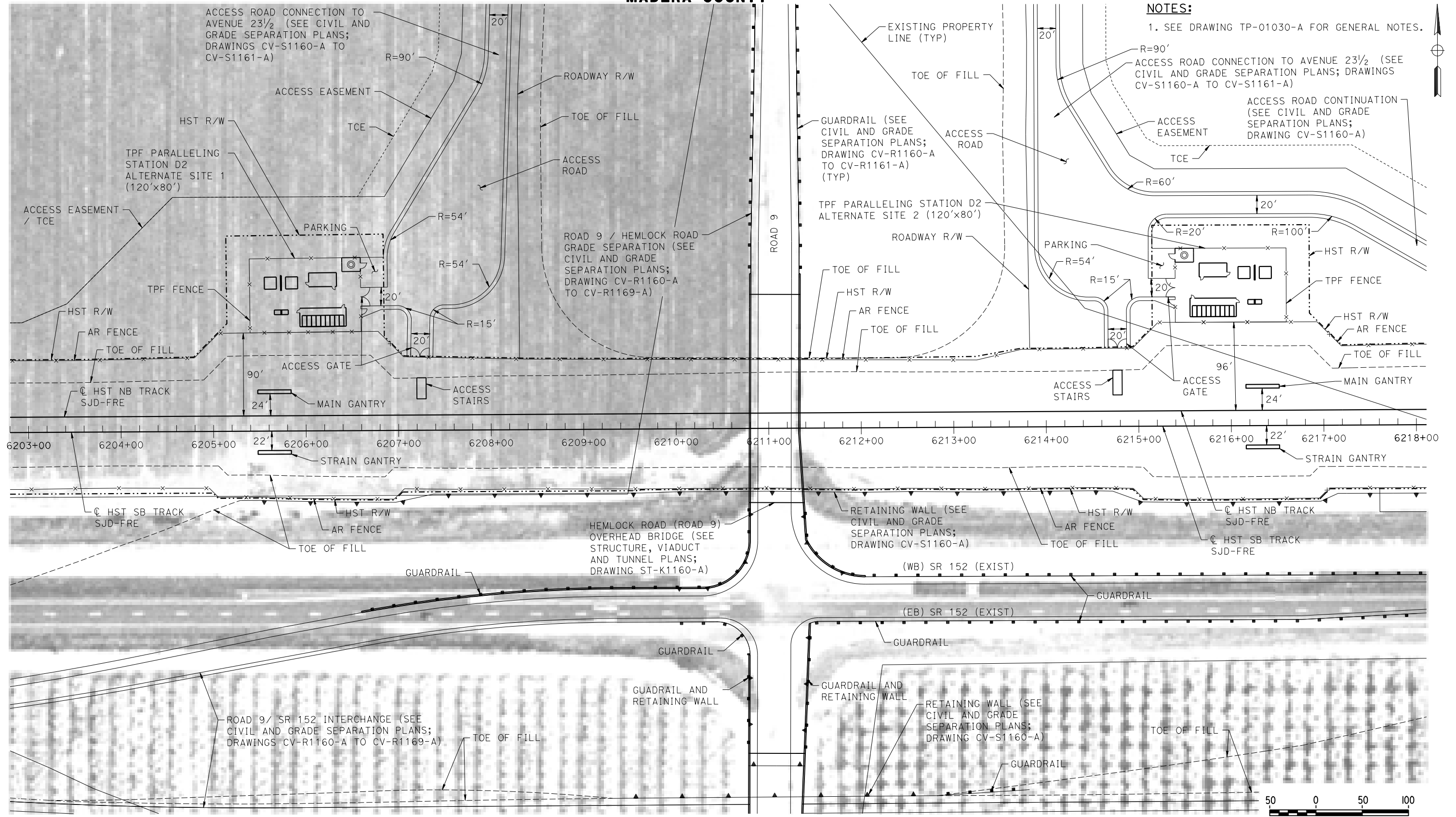
CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01120-A

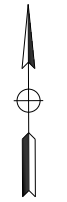
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



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



PLAN

18-MAR-2016 09:26 MF-TP-01160-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01160-A

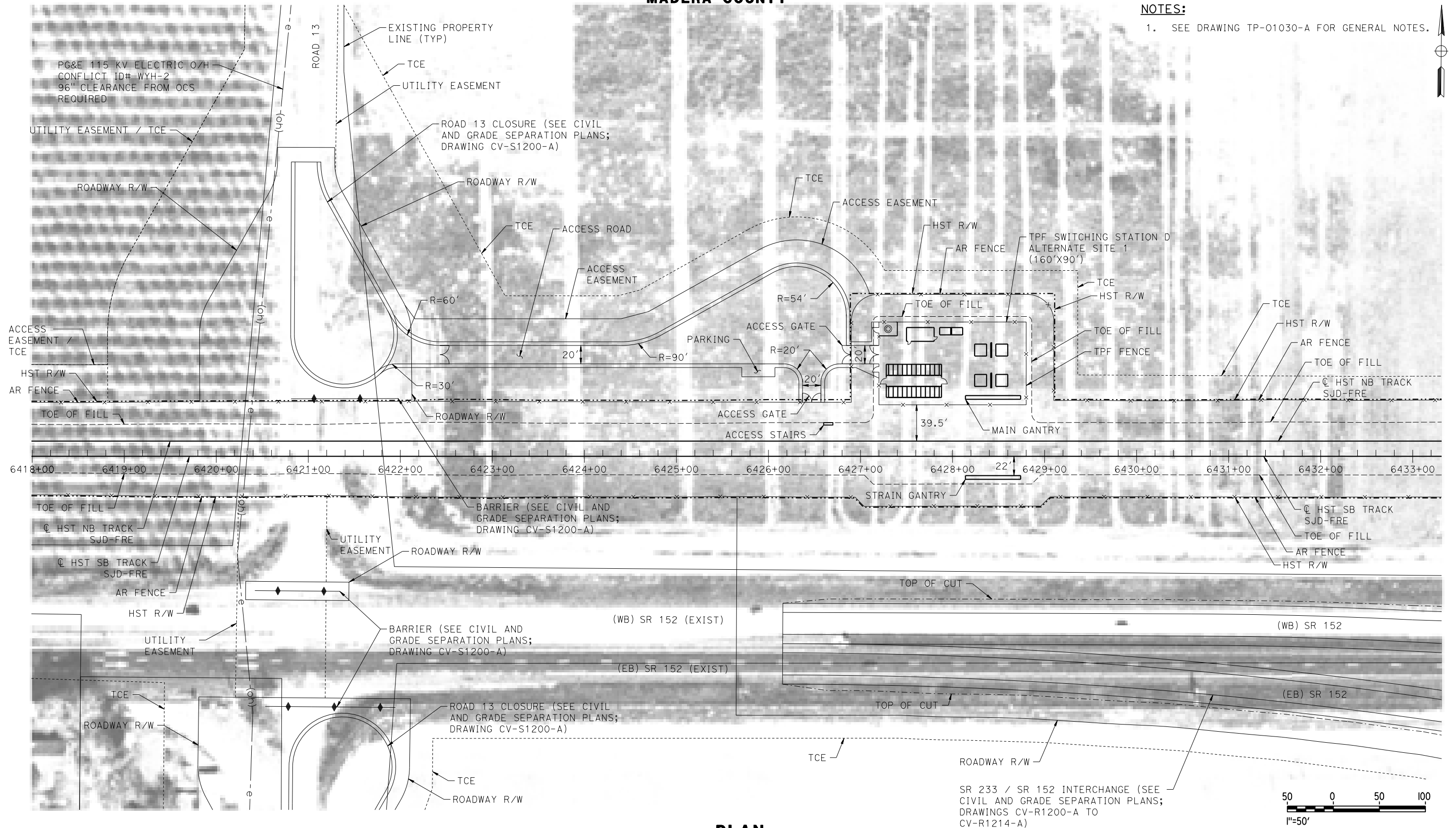
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:28 MF-TP-01200-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

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 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01200-A

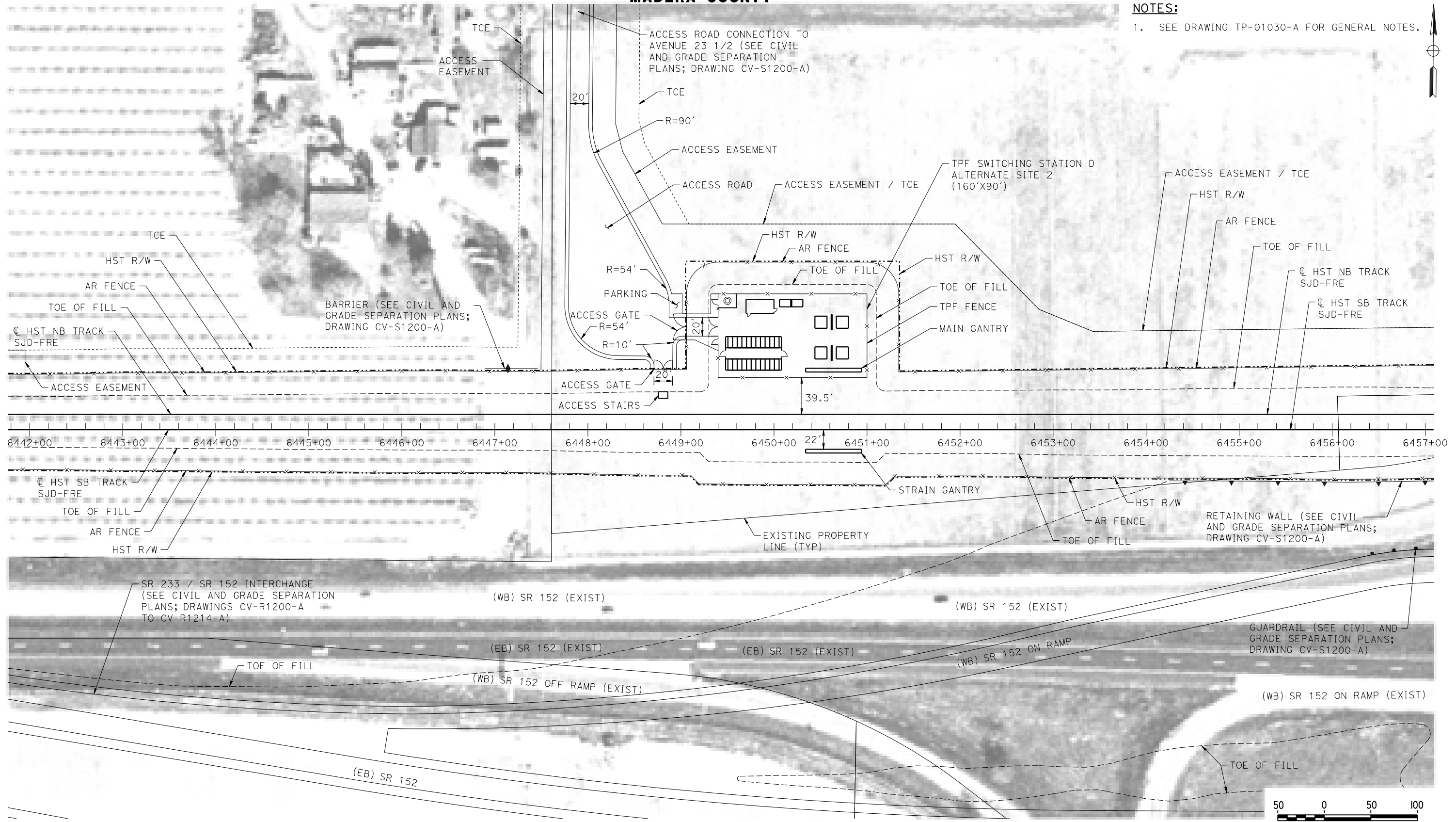
SCALE
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SHEET NO.

MADERA COUNTY

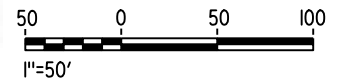
NOTES:

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



6442+00 6443+00 6444+00 6445+00 6446+00 6447+00 6448+00 6449+00 6450+00 6451+00 6452+00 6453+00 6454+00 6455+00 6456+00 6457+00

PLAN



07-MAR-2016 7:47 MF-TP-01201-A.dgn

P005133G

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



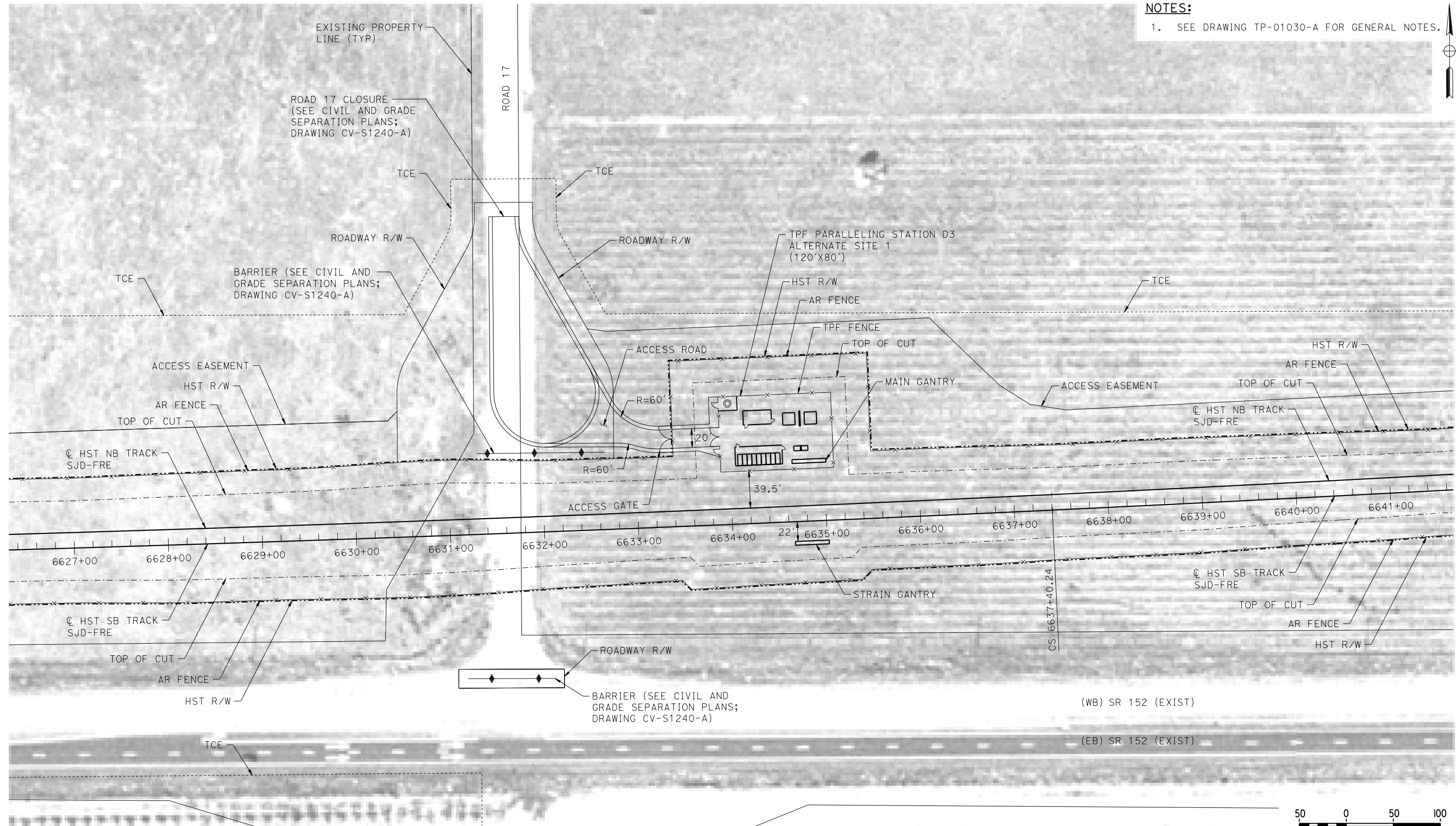
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01201-A
SCALE
AS SHOWN
SHEET NO.

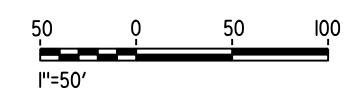
MADERA COUNTY

NOTES:

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



PLAN



07-MAR-2016 7:48 MF-TP-01240-A.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



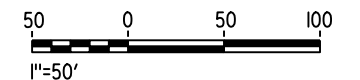
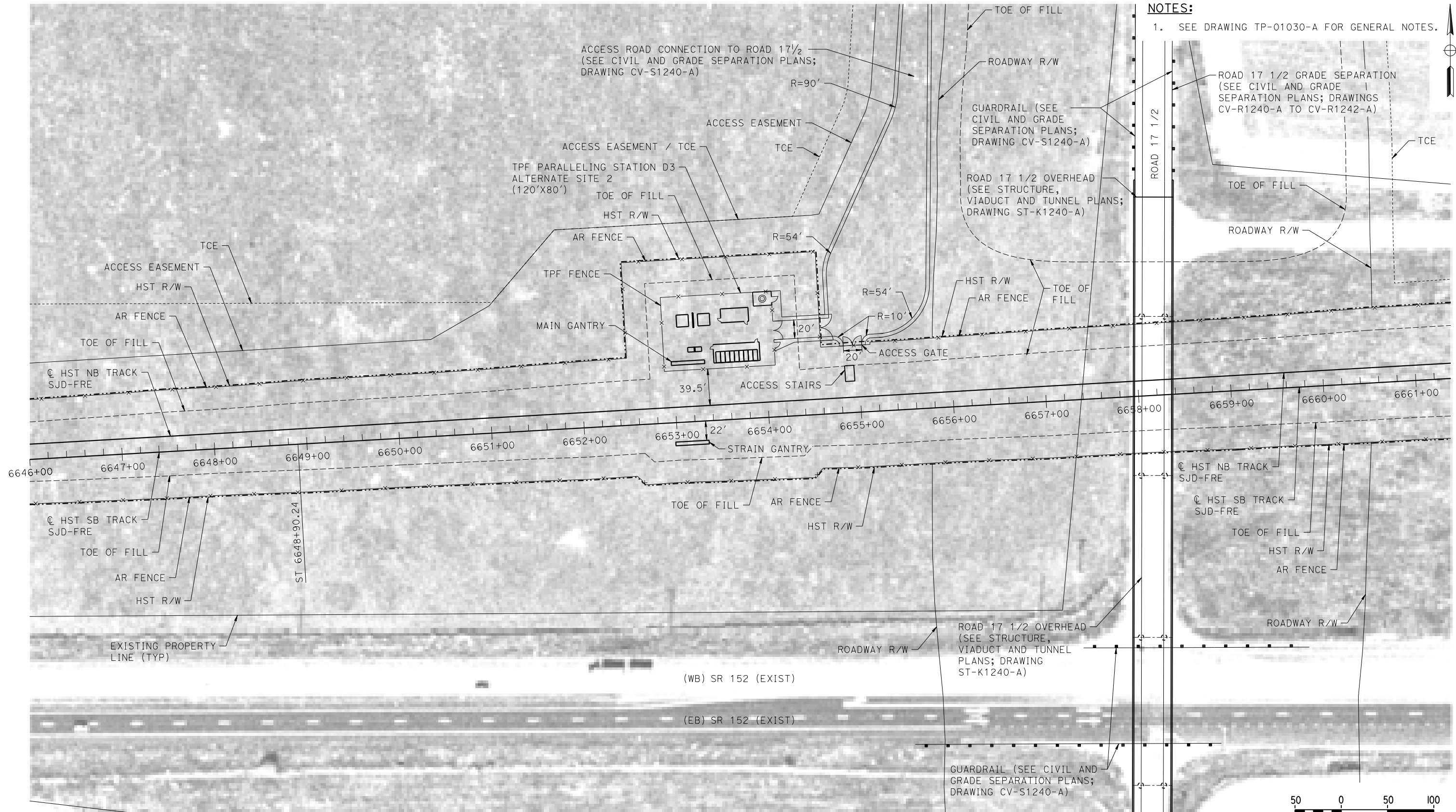
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01240-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:29 MF-TP-01241-A.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

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CONSTRUCTION



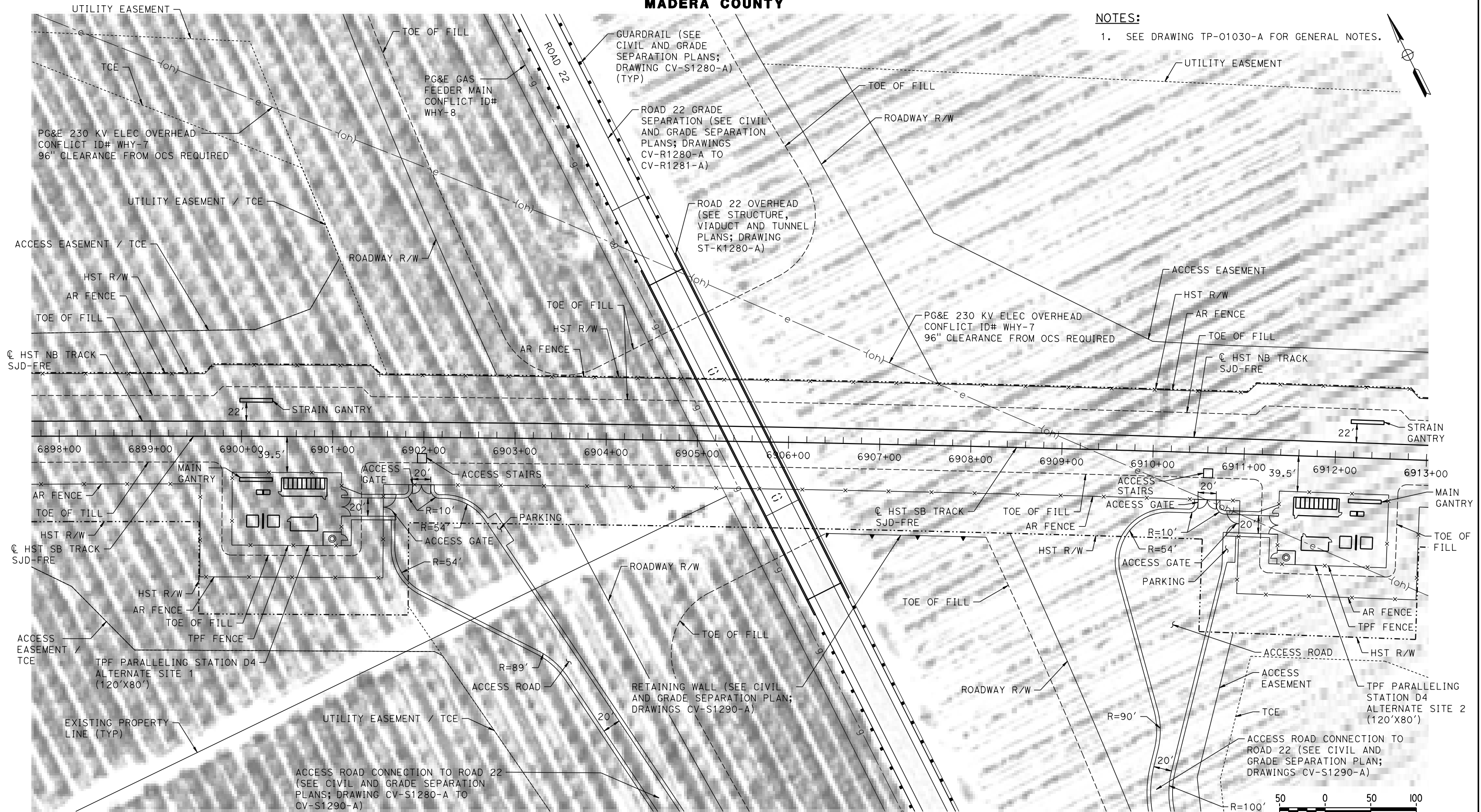
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01241-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

11-MAR-2016 08:33 MF-TP-01280-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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M. TACTAY

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A. GURA

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C. LEMLEY

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01280-A

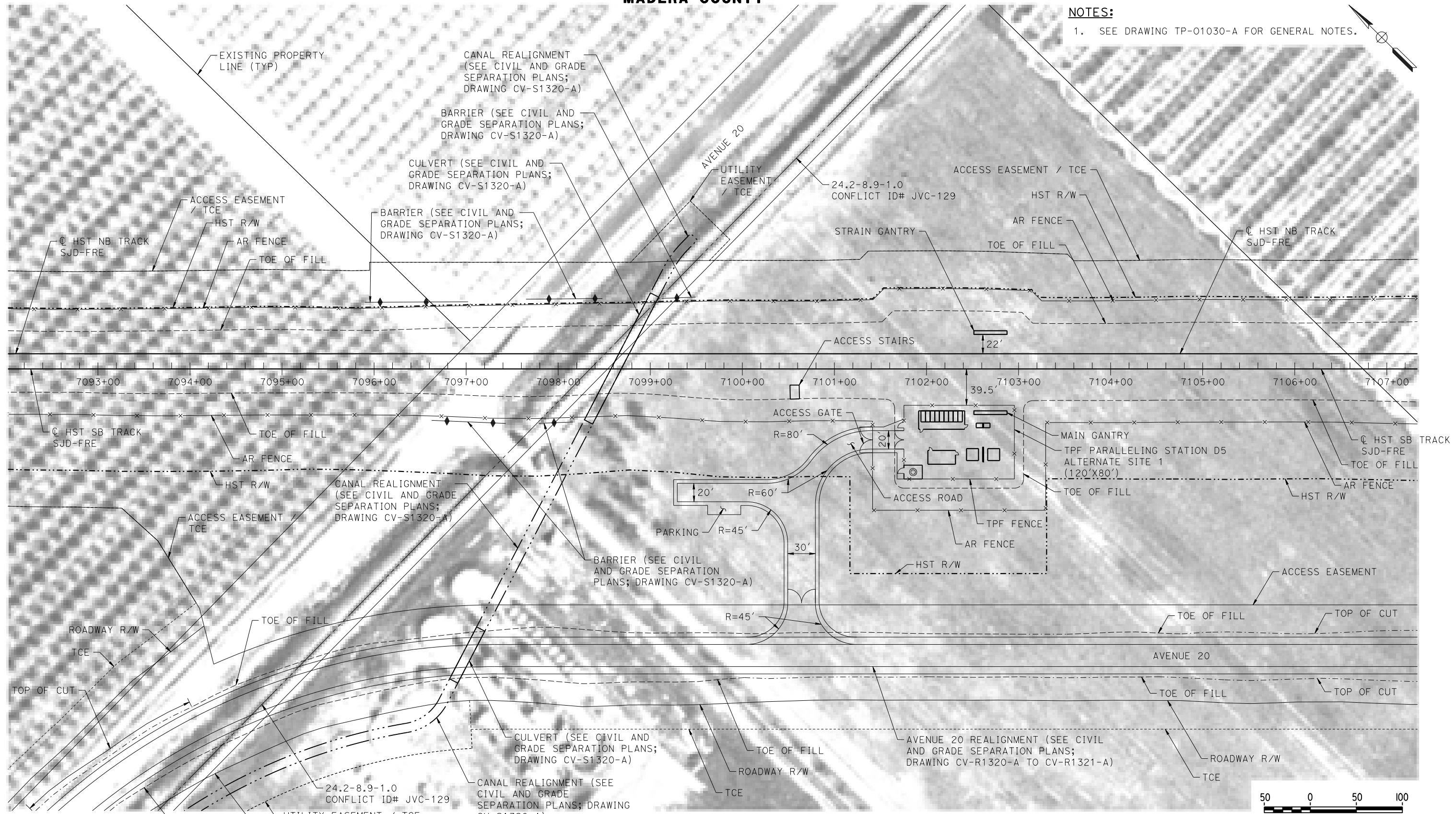
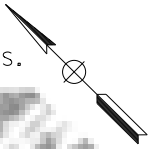
SCALE
AS SHOWN

SHEET NO.

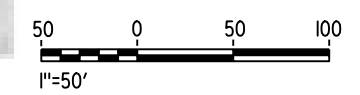
MADERA COUNTY

NOTES:

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



PLAN



MF-TP-01320-A.dgn
07-MAR-2016 7:52
P005133G

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
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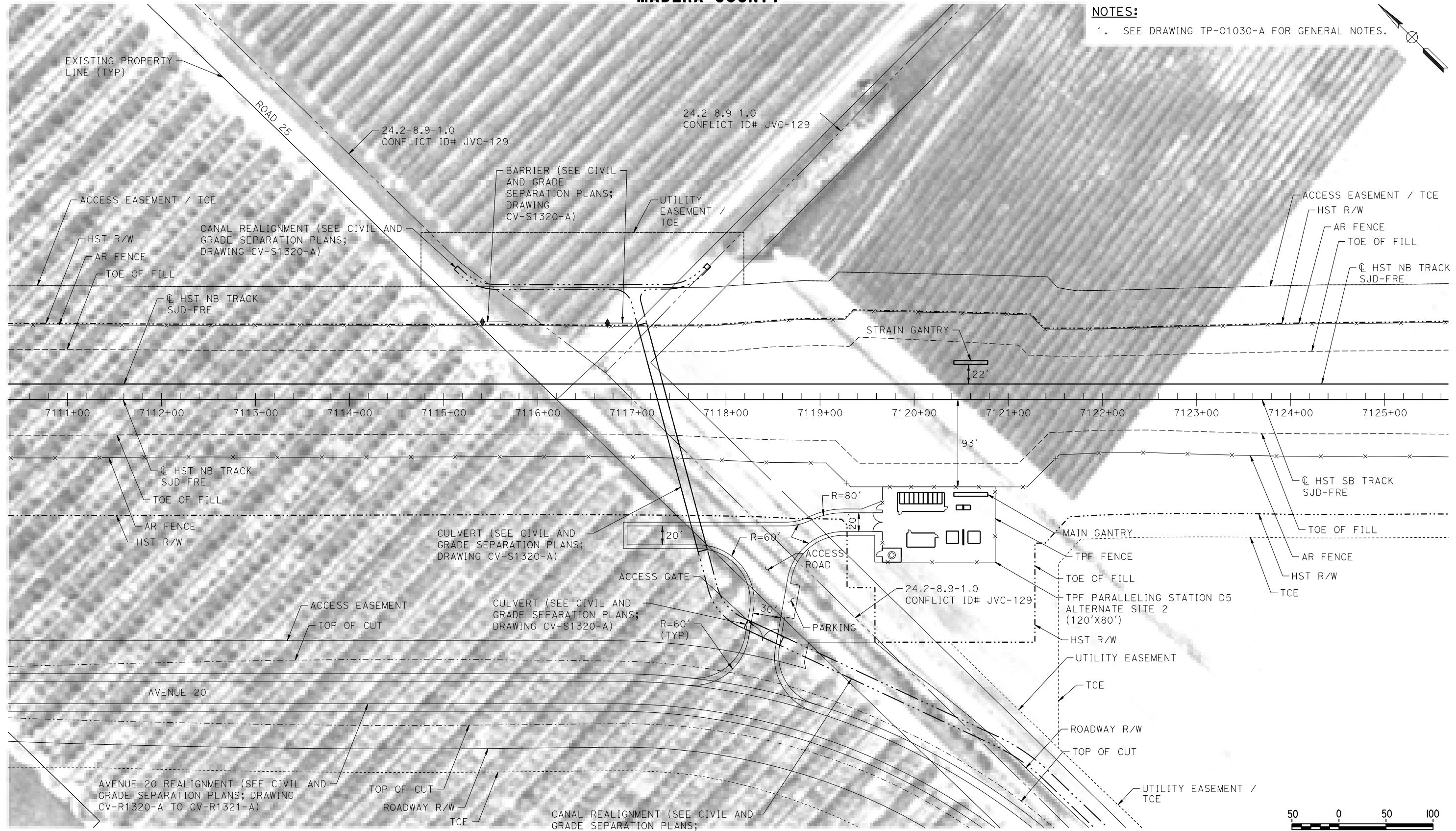
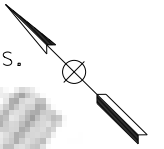
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D5 ALTERNATE SITE 1

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

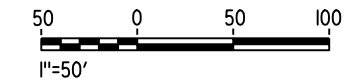
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:30 MF-TP-01321-A.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

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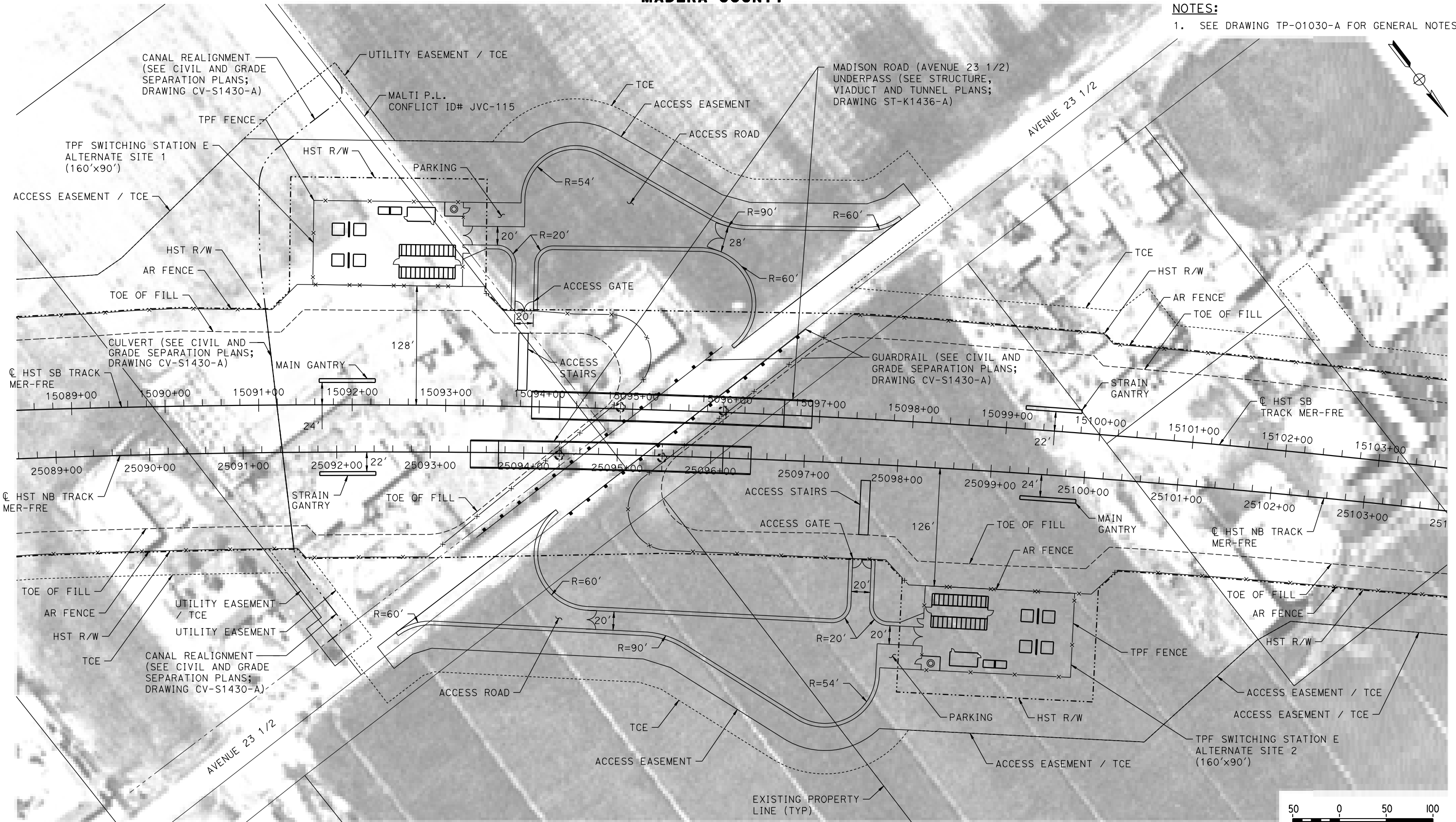
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MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D5 ALTERNATE SITE 2

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

MADERA COUNTY

NOTES:

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



PLAN

11-MAR-2016 08:34 MF-TP-01430-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

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M. TACTAY

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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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01430-A

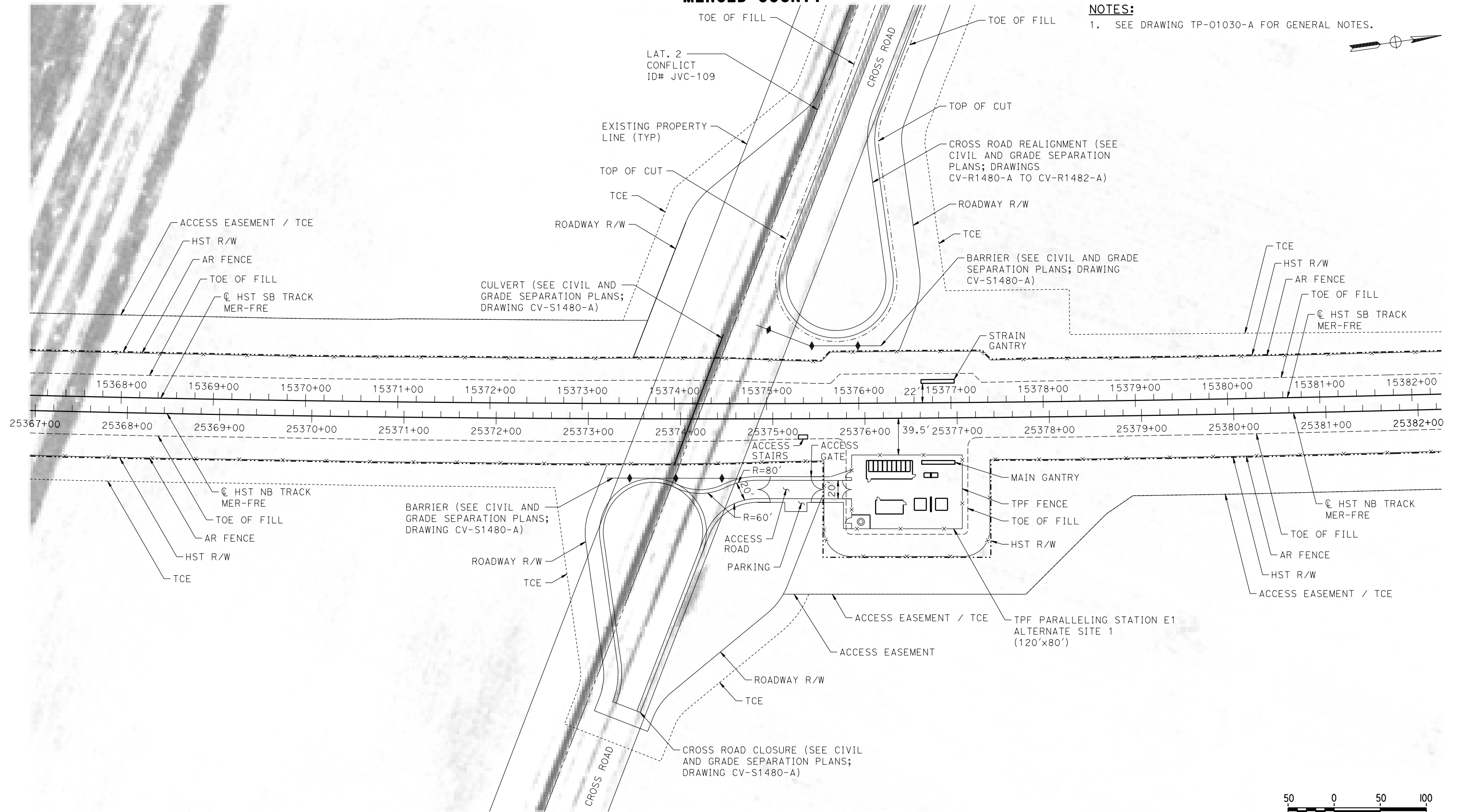
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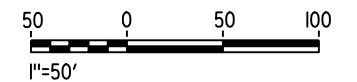
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 01:25 MF-TP-01480-A.dgn

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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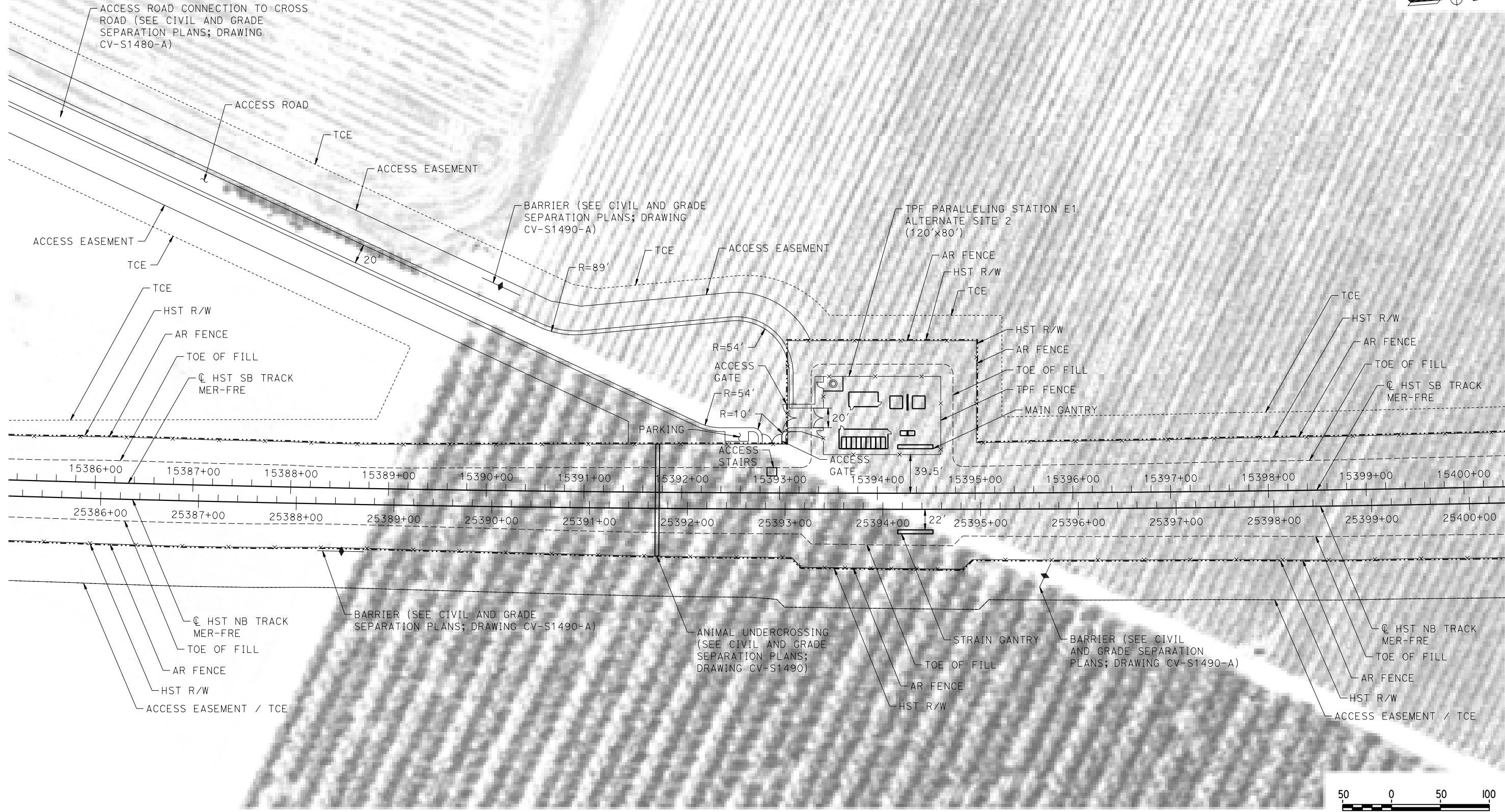
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 1

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

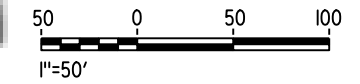
MERCED COUNTY

NOTES:

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



PLAN



MF-TP-01490-A.dgn
07-MAR-2016 7:57
P005133G

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
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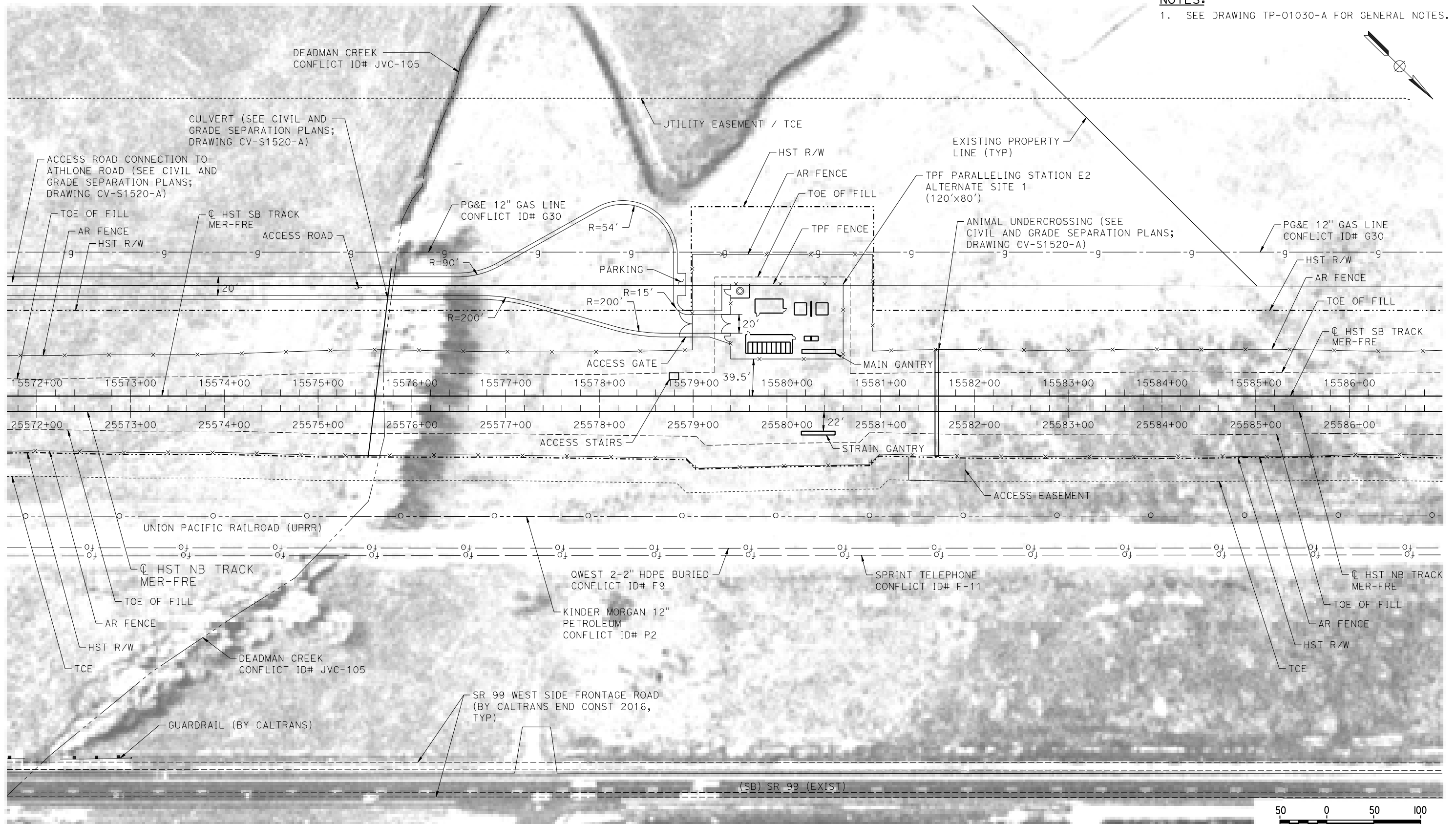
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01490-A
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

MF-TP-01520-A.dgn

18-MAR-2016 09:32

PO05133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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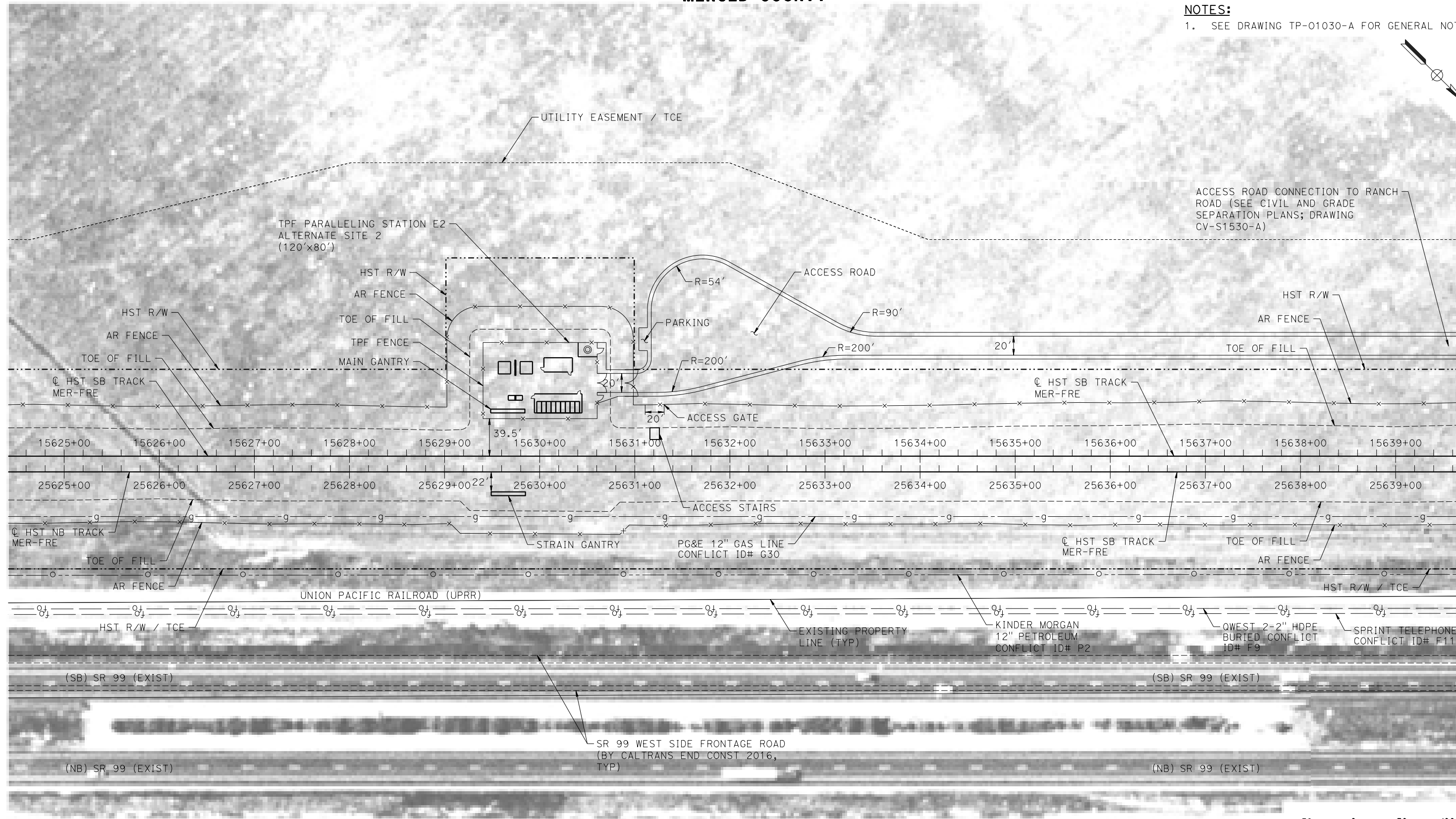
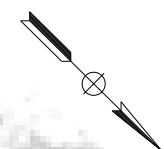


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

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

MERCED COUNTY

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



PLAN

07-MAR-2016 7:59 MF-TP-01530-A.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

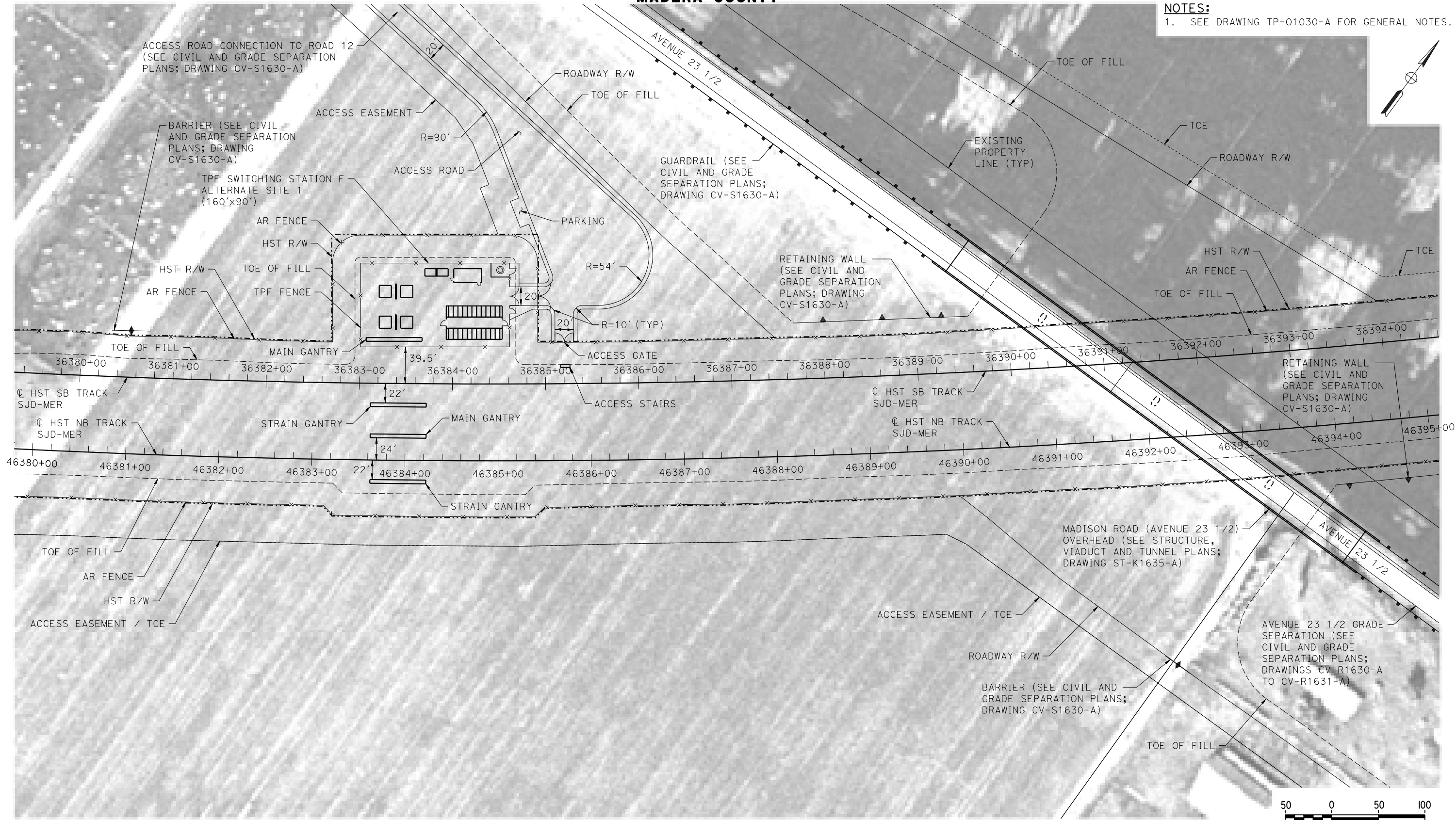


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 2

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

MADERA COUNTY

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



PLAN

18-MAR-2016 09:34 MF-TP-01630-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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CONSTRUCTION



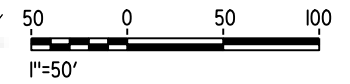
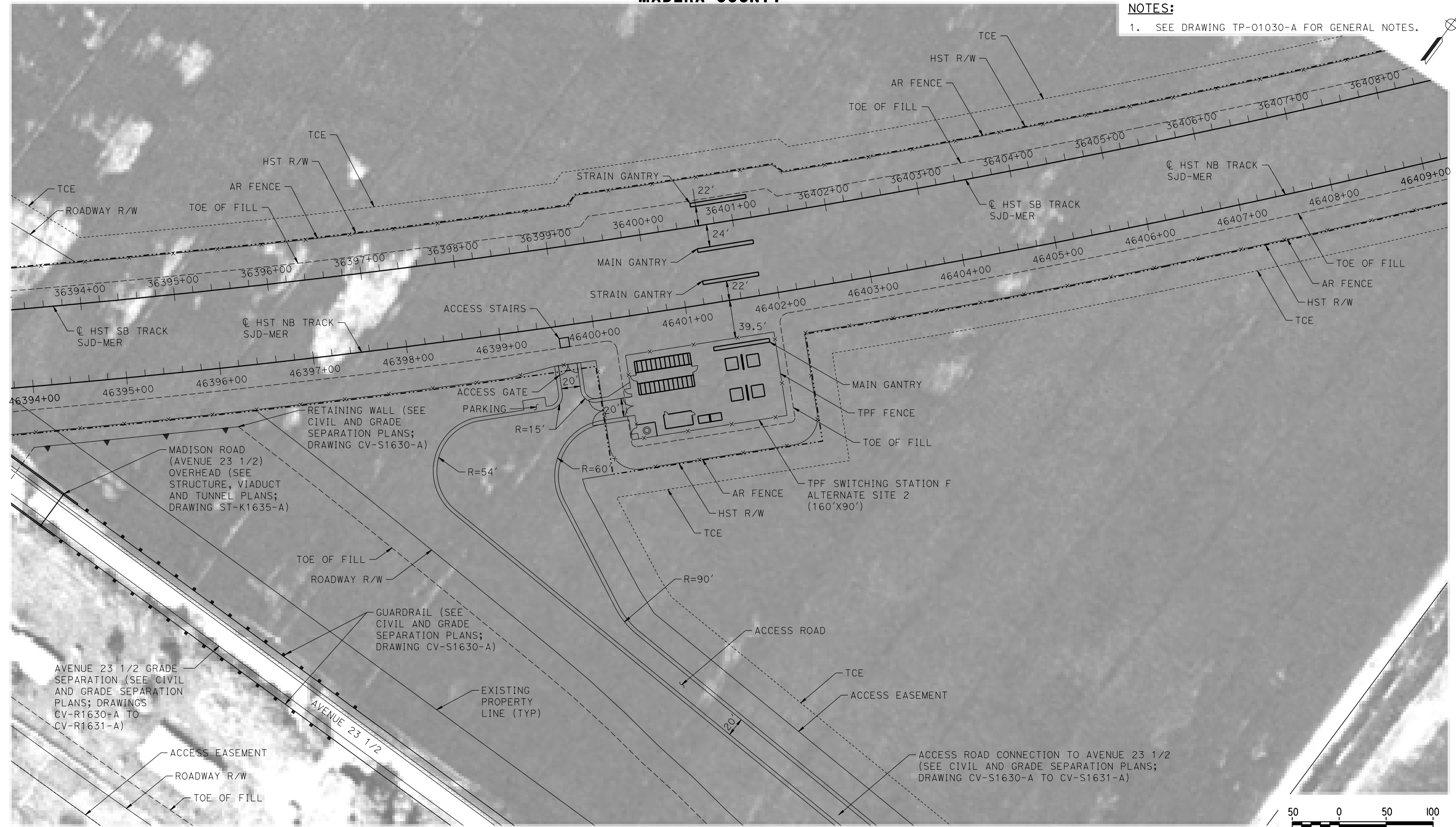
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01630-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:35 MF-TP-01631-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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M. TACTAY

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A. GURA

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C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITE 2

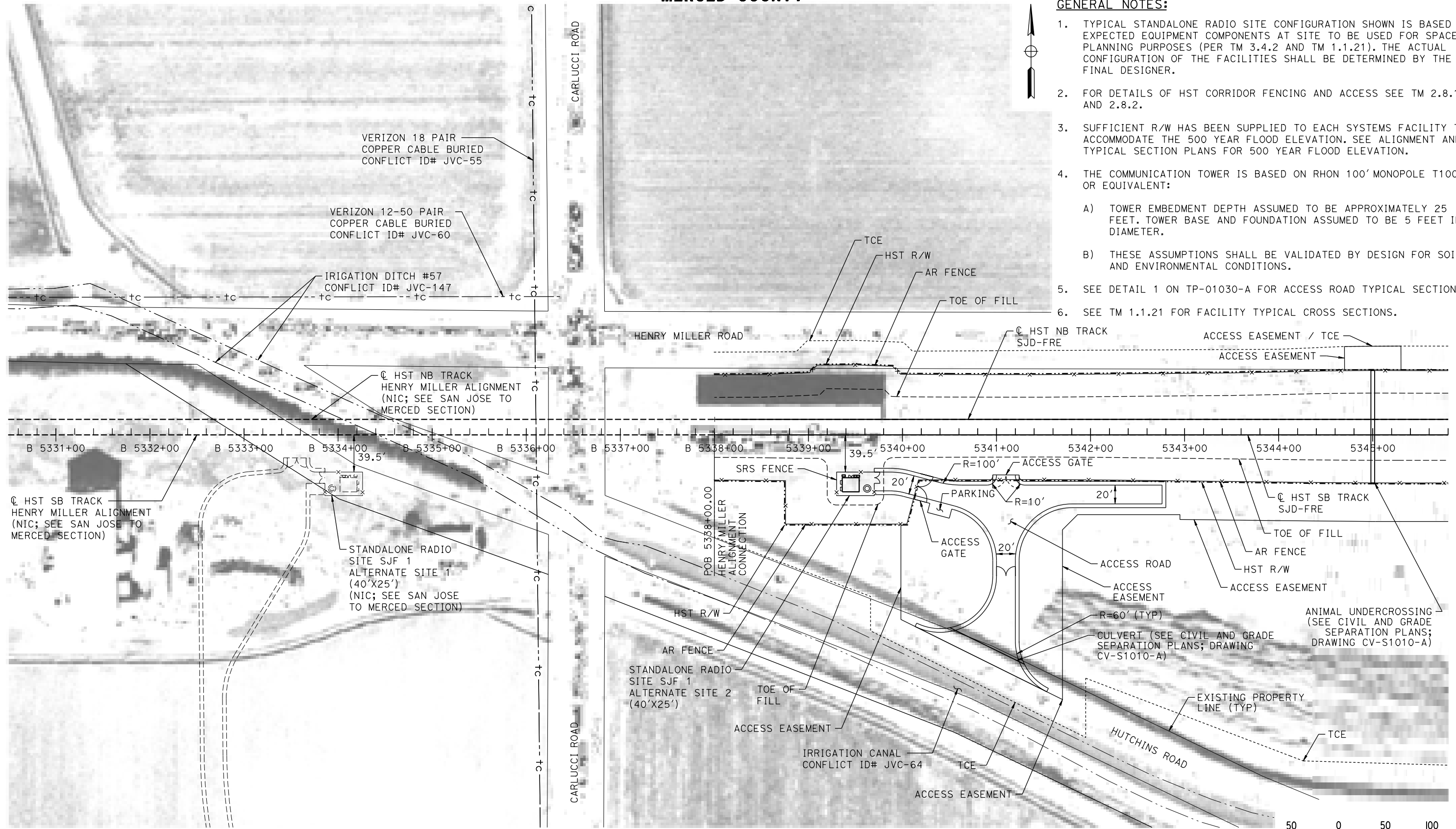
CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01631-A

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. 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.
5. SEE DETAIL 1 ON TP-01030-A FOR ACCESS ROAD TYPICAL SECTION.
6. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.

PLAN

11-MAR-2016 08:28 MF-CO-F1010-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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M. TACTAY

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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
SR 152 (NORTH) 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-A

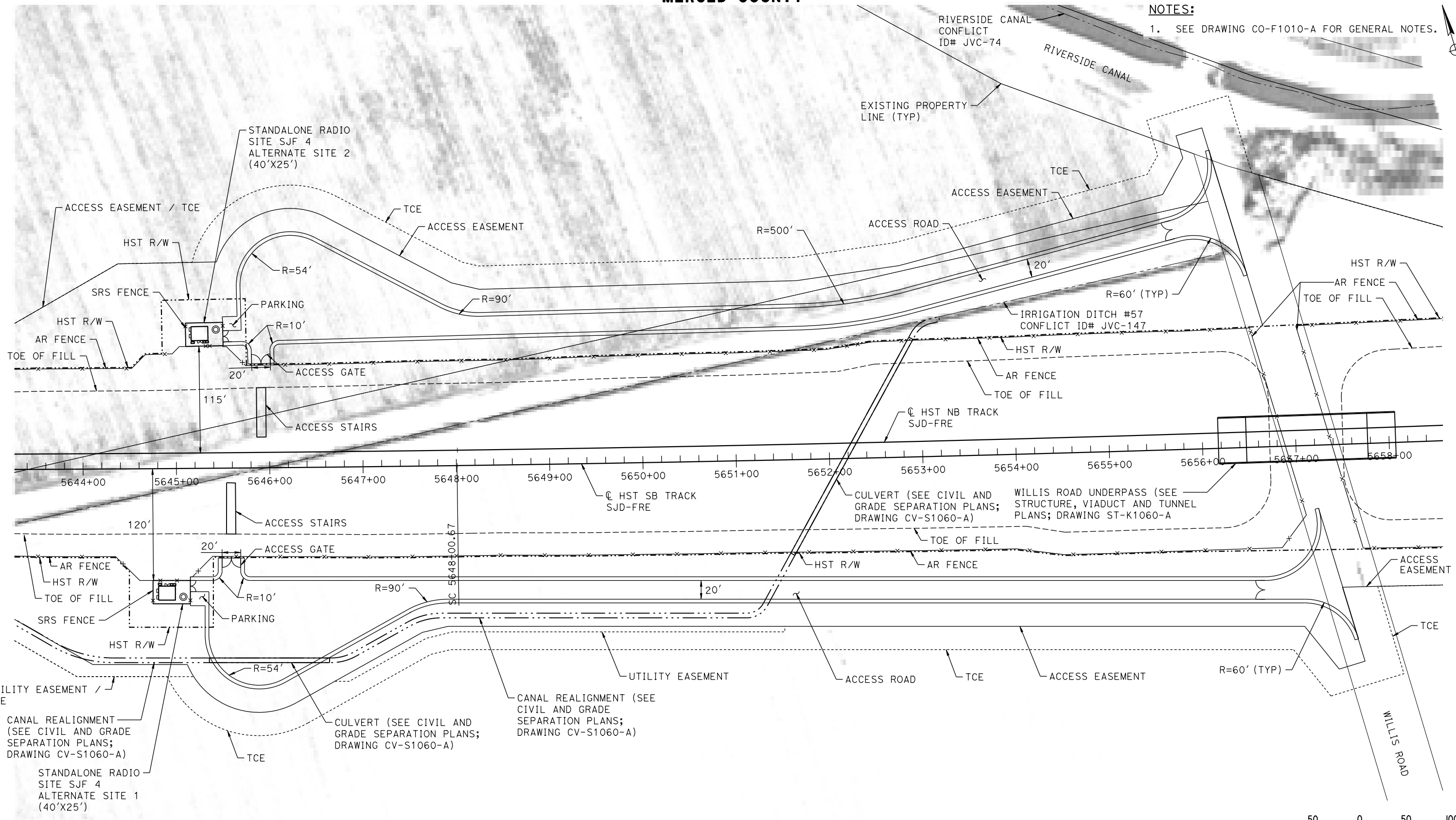
SCALE
AS SHOWN

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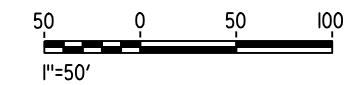
MERCED COUNTY

NOTES:

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



PLAN



11-MAR-2016 08:29 MF-CO-F1060-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

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M. TACTAY

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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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1060-A

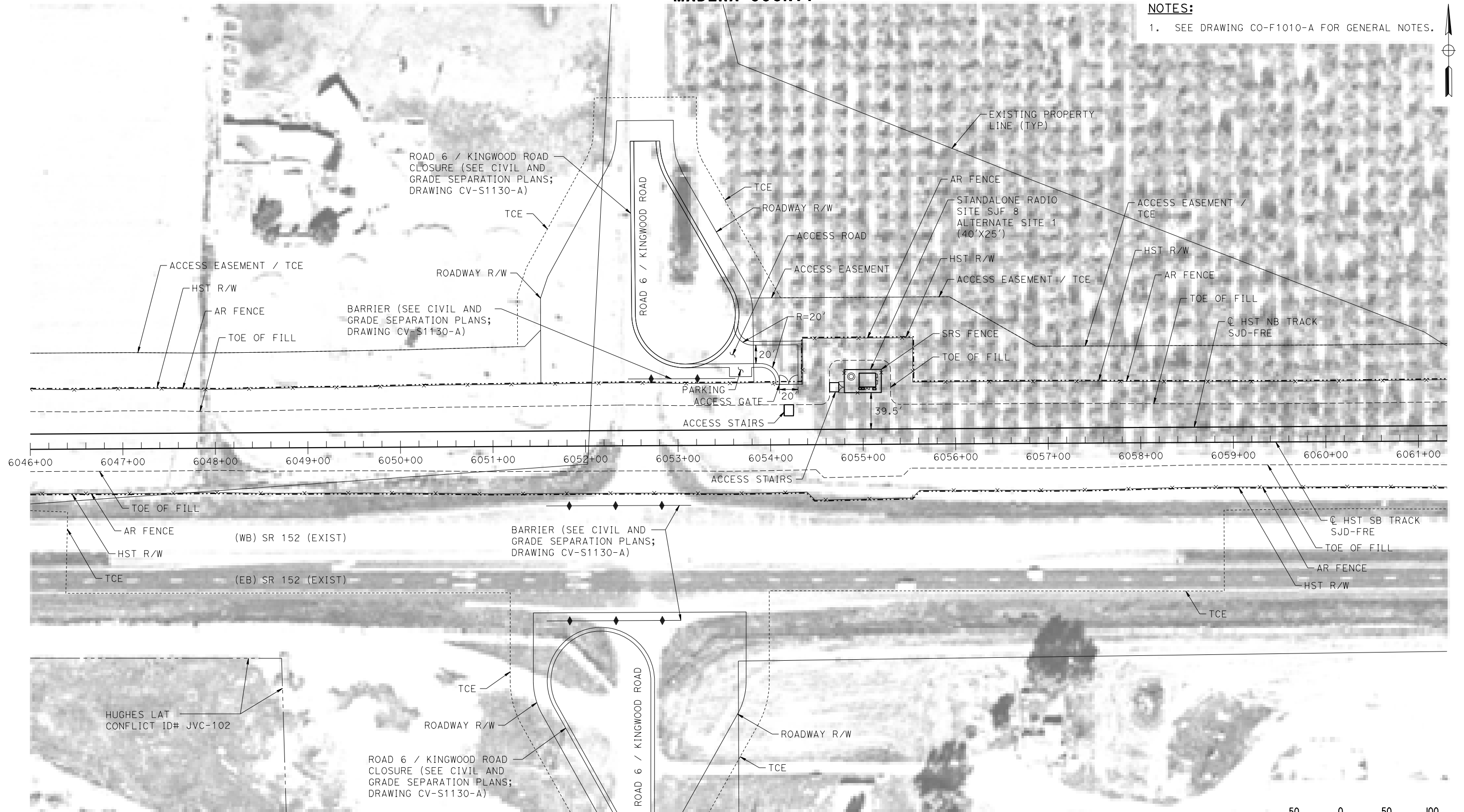
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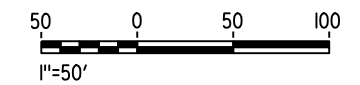
MADERA COUNTY

NOTES:

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



PLAN



MF-CO-F1130-A.dgn
07-MAR-2016 7:33
P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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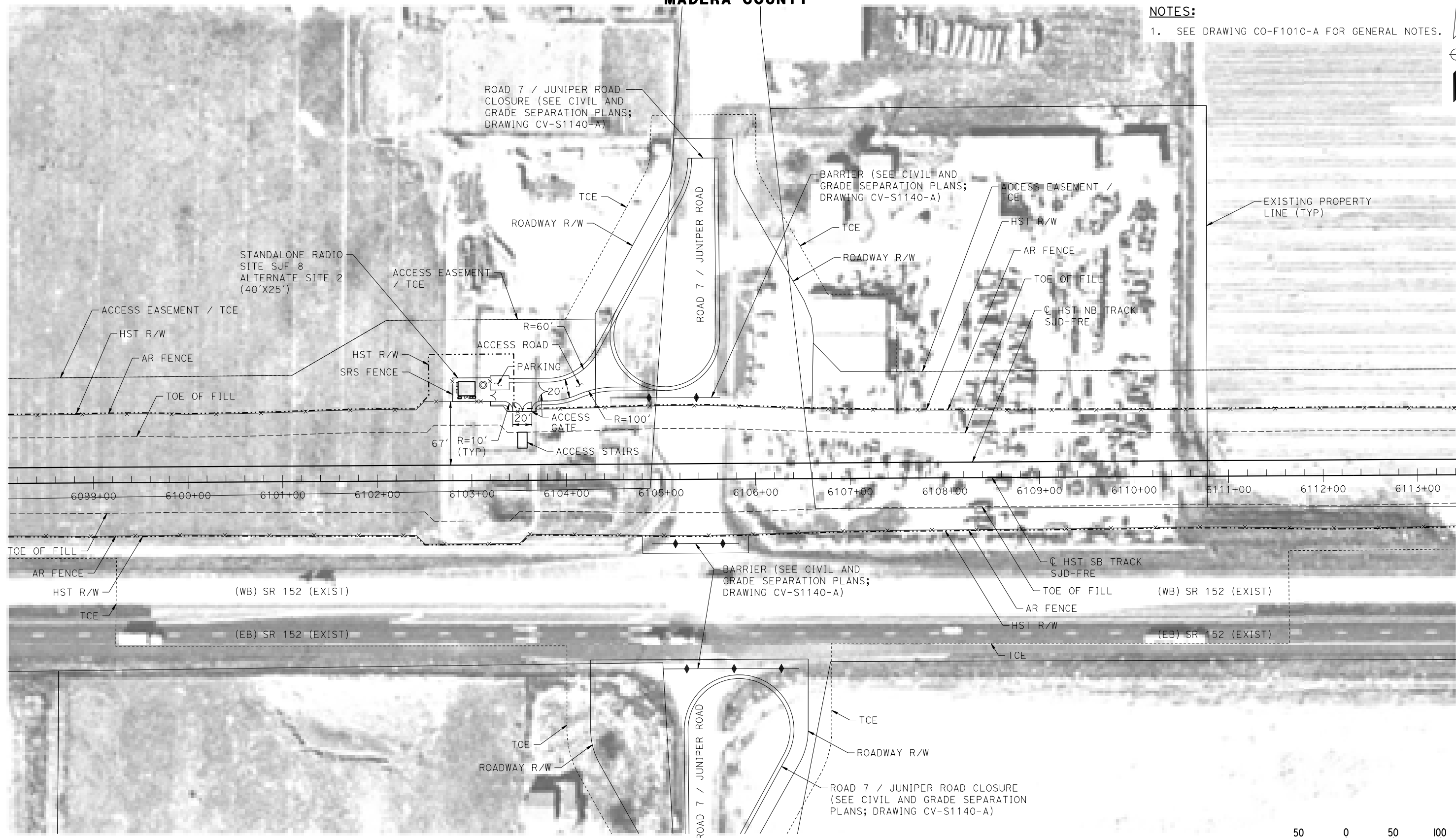
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1130-A
SCALE
AS SHOWN
SHEET NO.

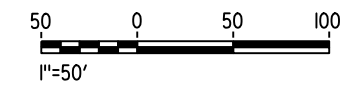
MADERA COUNTY

NOTES:

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



PLAN



07-MAR-2016 7:34 MF-CO-F1140-A.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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1140-A

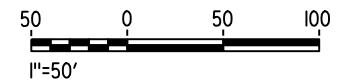
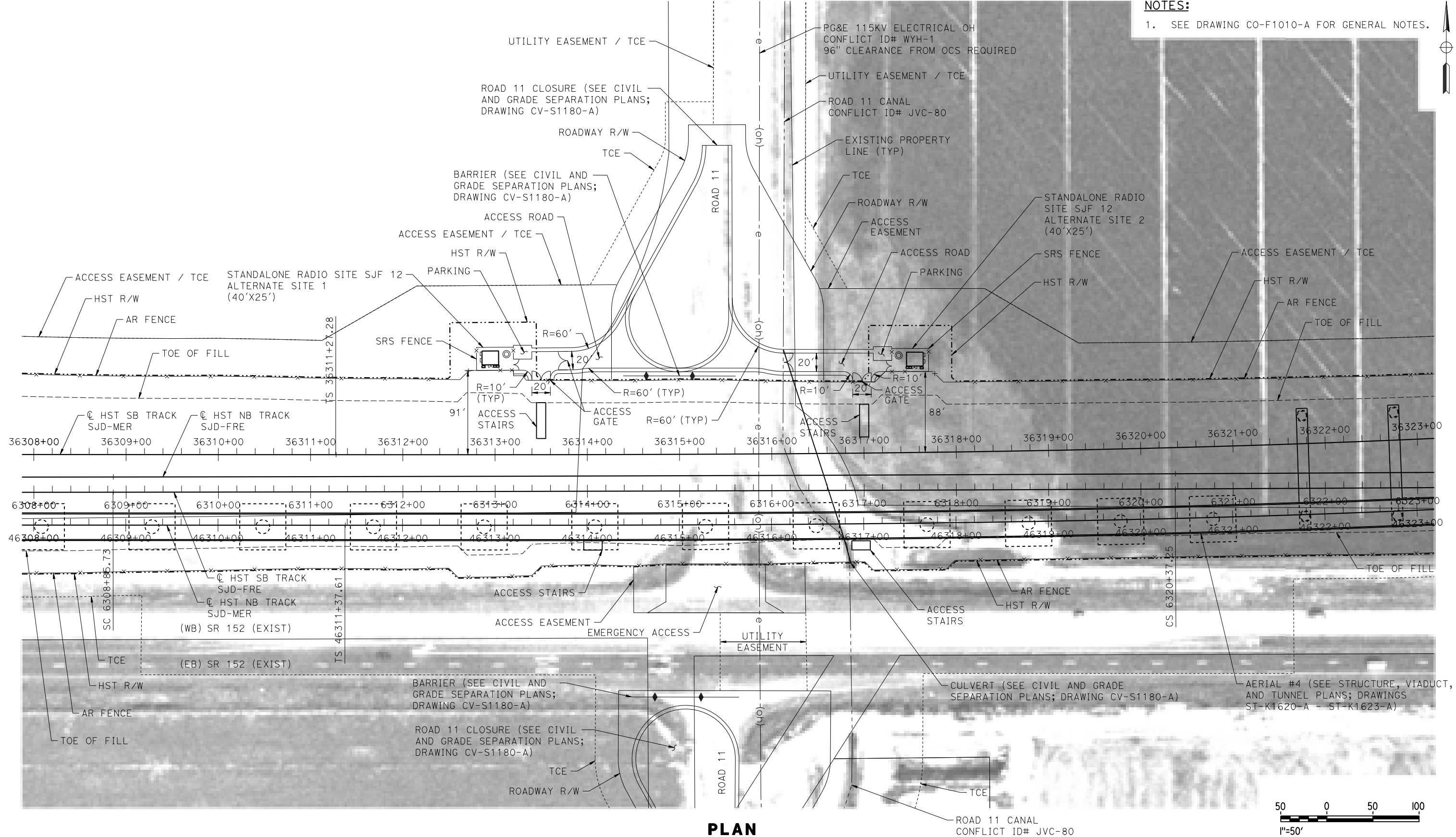
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



18-MAR-2016 09:36 MF-CO-F1180-A.dgn

P005133G

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

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CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

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03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) 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-F1180-A

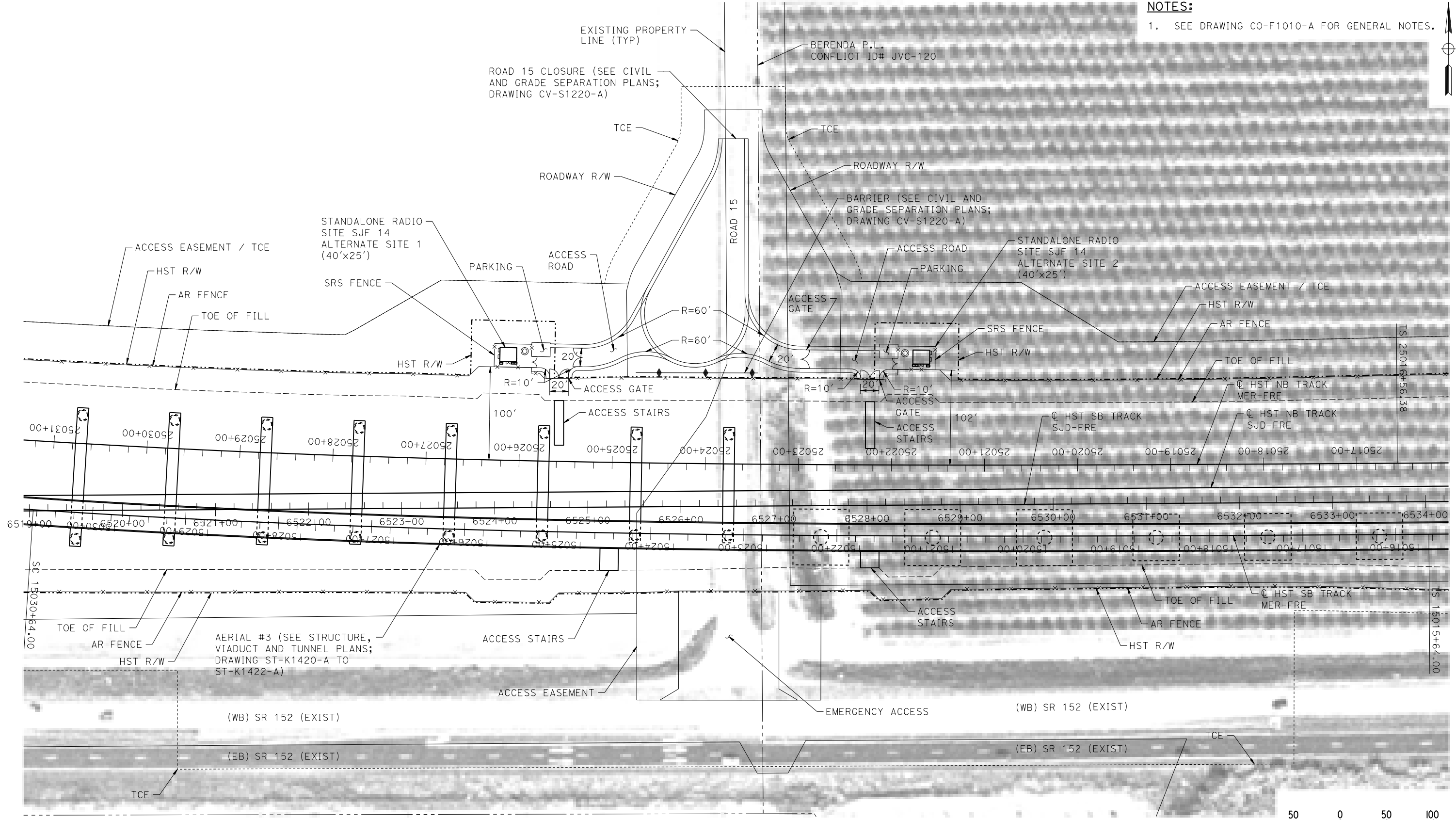
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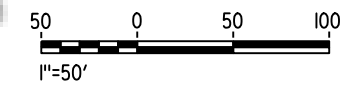
MADERA COUNTY

NOTES:

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



PLAN



07-MAR-2016 7:36 MF-CO-F1220-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
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IN CHARGE
C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 14 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

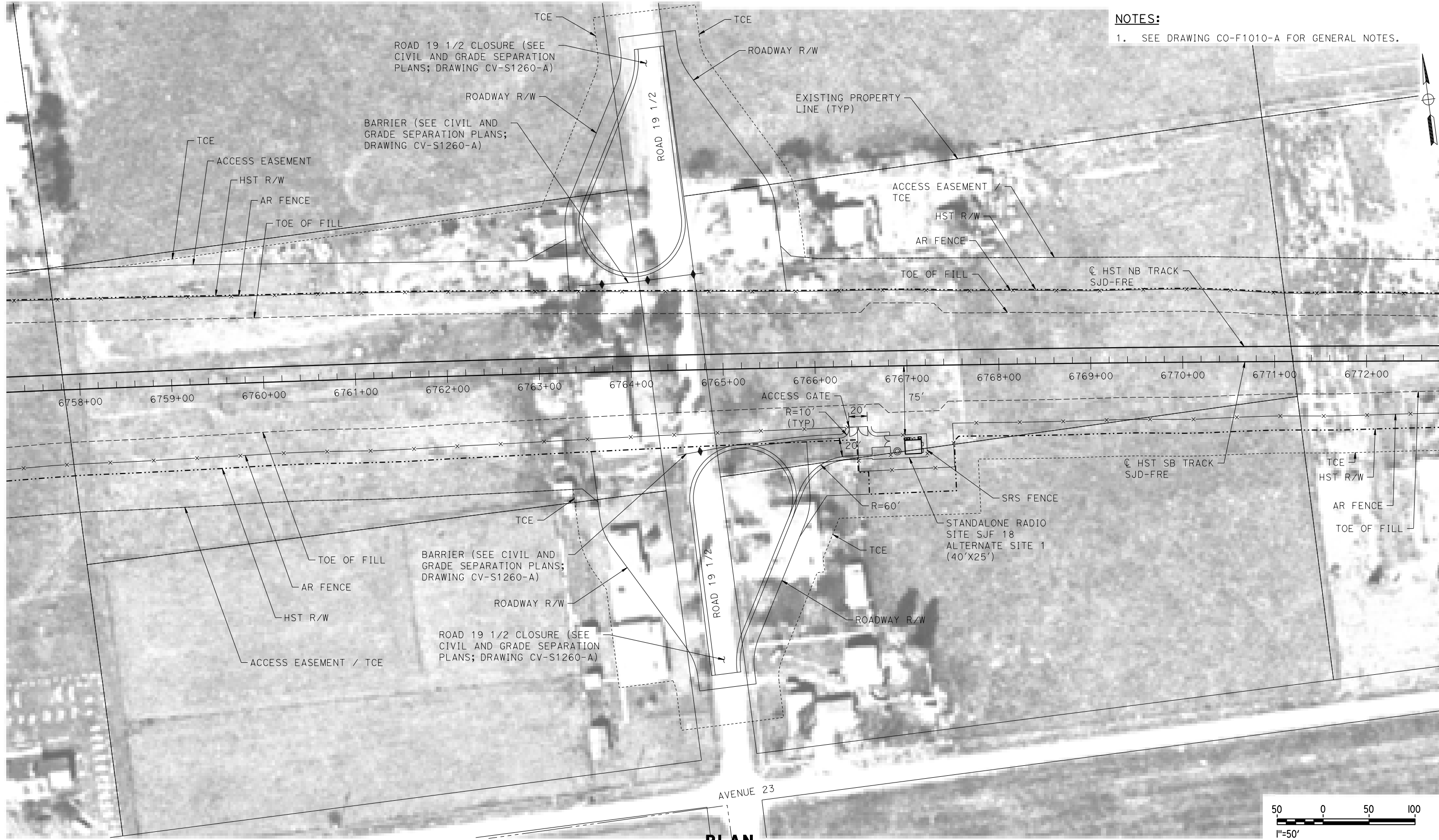
DRAWING NO.
CO-F1220-A

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

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



PLAN

18-MAR-2016 16:51:35 MF-CO-F1260-A.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



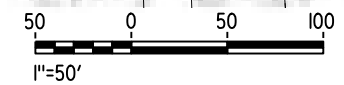
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 18 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1260-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

07-MAR-2016 7:38 MF-CO-F1261-A.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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 18 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

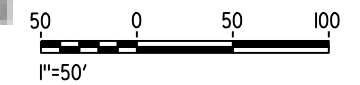
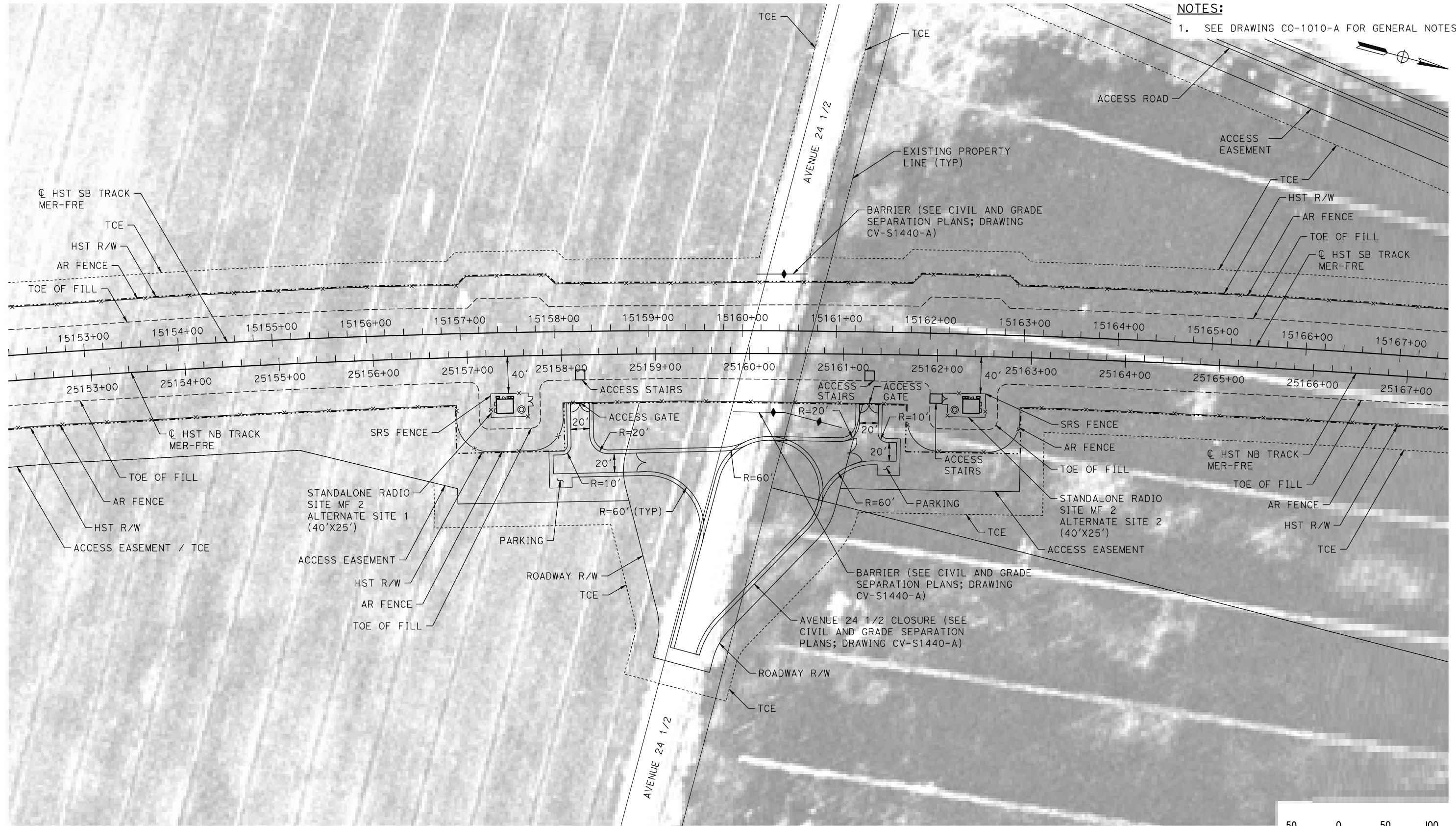
DRAWING NO.
CO-F1261-A

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:
1. SEE DRAWING CO-1010-A FOR GENERAL NOTES.



PLAN

18-MAR-2016 16:41:40 MF-CO-F1440-A.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



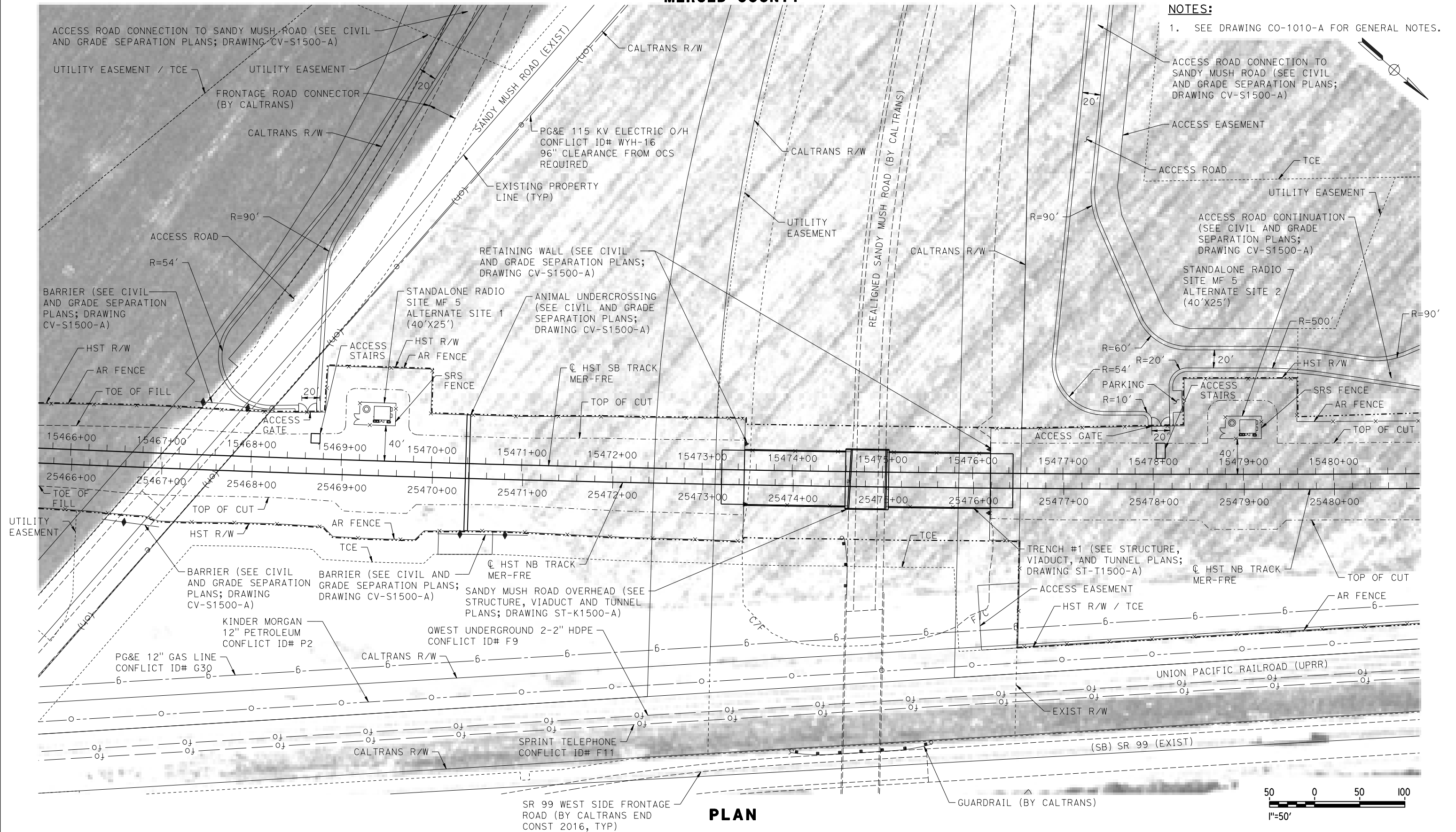
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 2 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1440-A
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

1. SEE DRAWING CO-1010-A FOR GENERAL NOTES.



PLAN

18-MAR-2016 09:38 MF-CO-F1500-A.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

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CONSTRUCTION



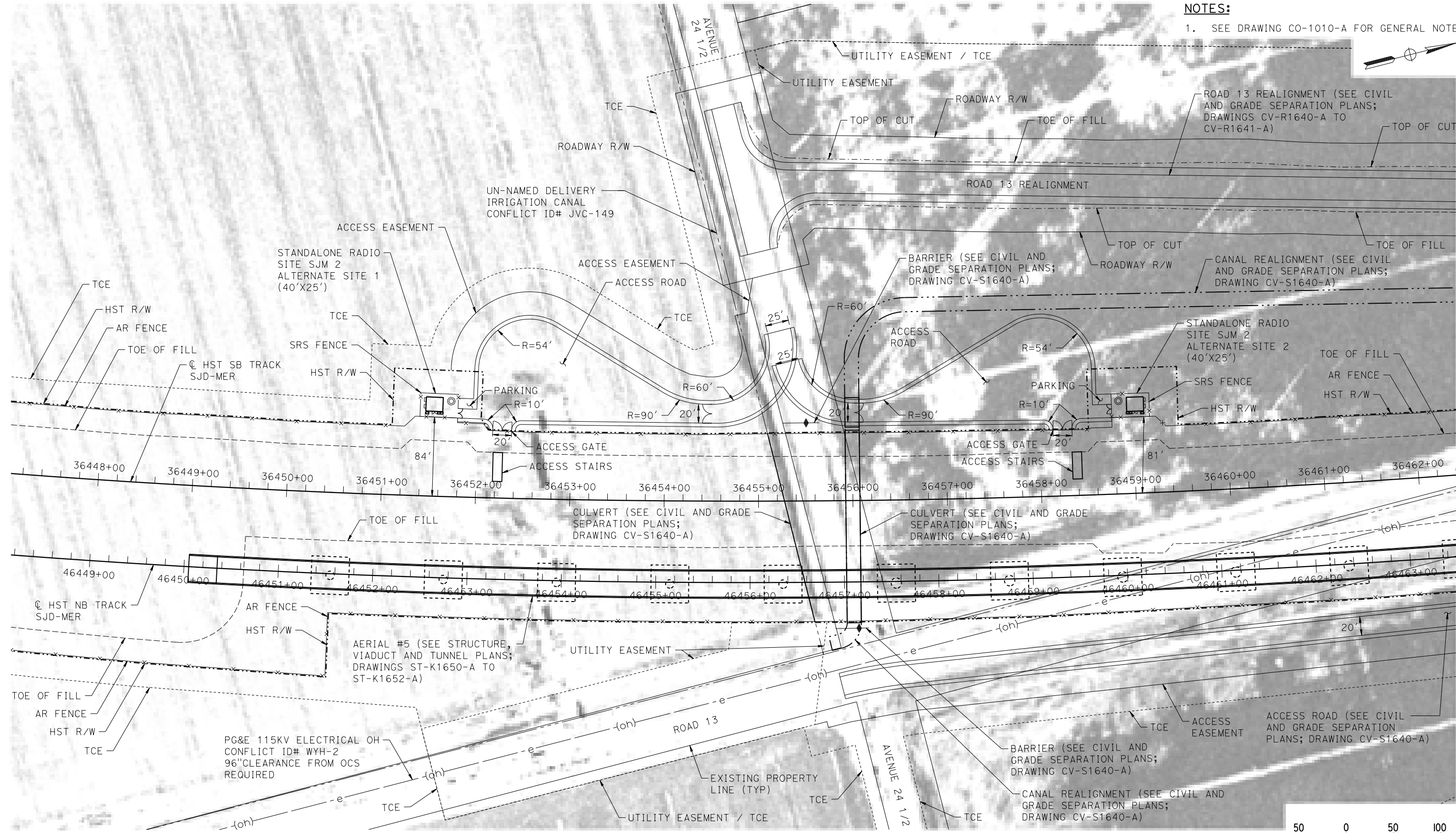
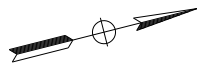
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 5 ALTERNATE SITES 1 & 2

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

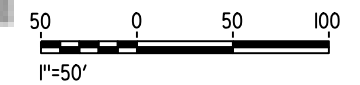
MADERA COUNTY

NOTES:

1. SEE DRAWING CO-1010-A FOR GENERAL NOTES.



PLAN



18-MAR-2016 09:40 MF-CO-F1640-A.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
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CONSTRUCTION



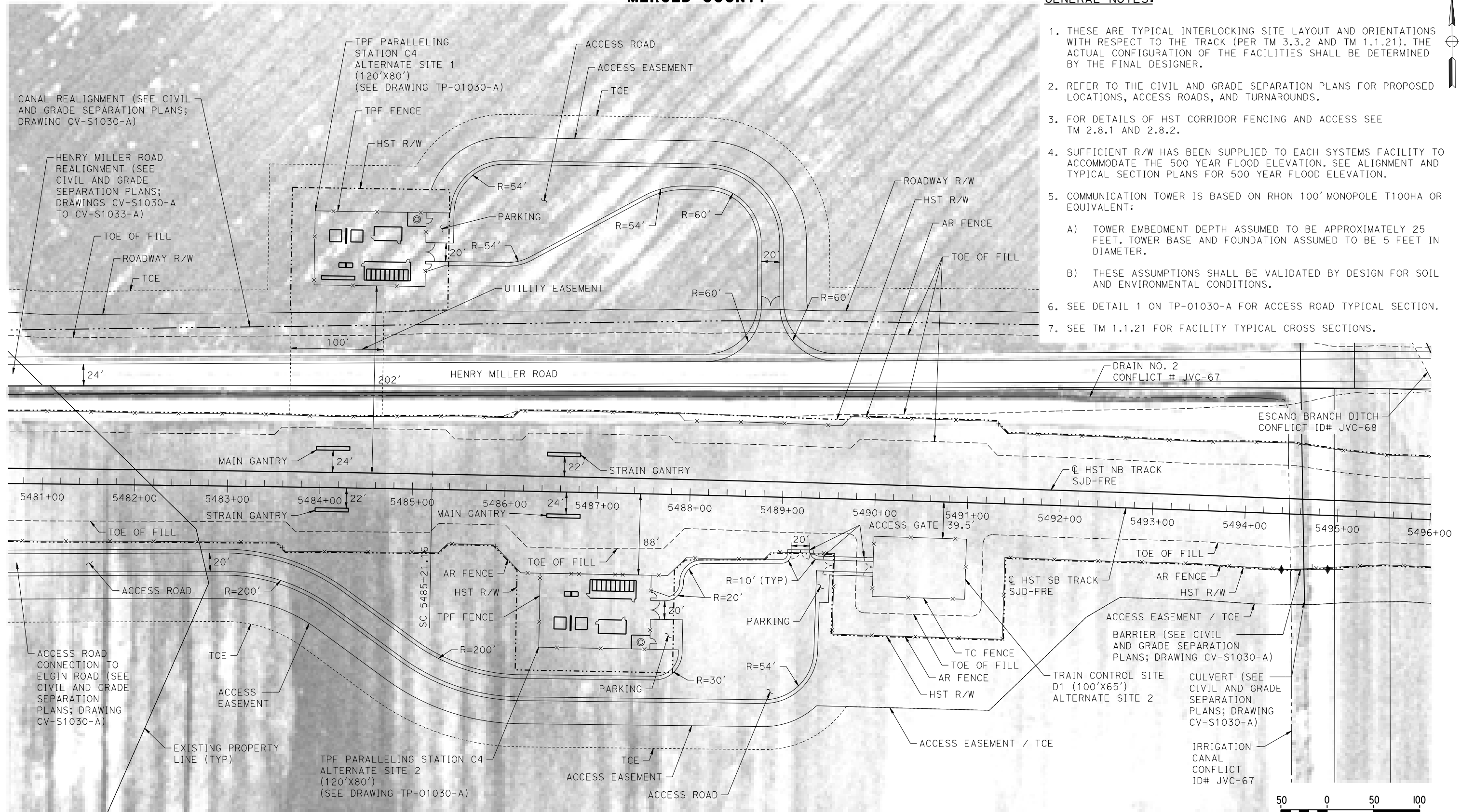
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJM 2 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1640-A
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

GENERAL NOTES:

1. THESE ARE TYPICAL INTERLOCKING SITE LAYOUT 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-A FOR ACCESS ROAD TYPICAL SECTION.
7. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN

08-MAR-2016 16:41:37 MF-TC-F1030-A.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
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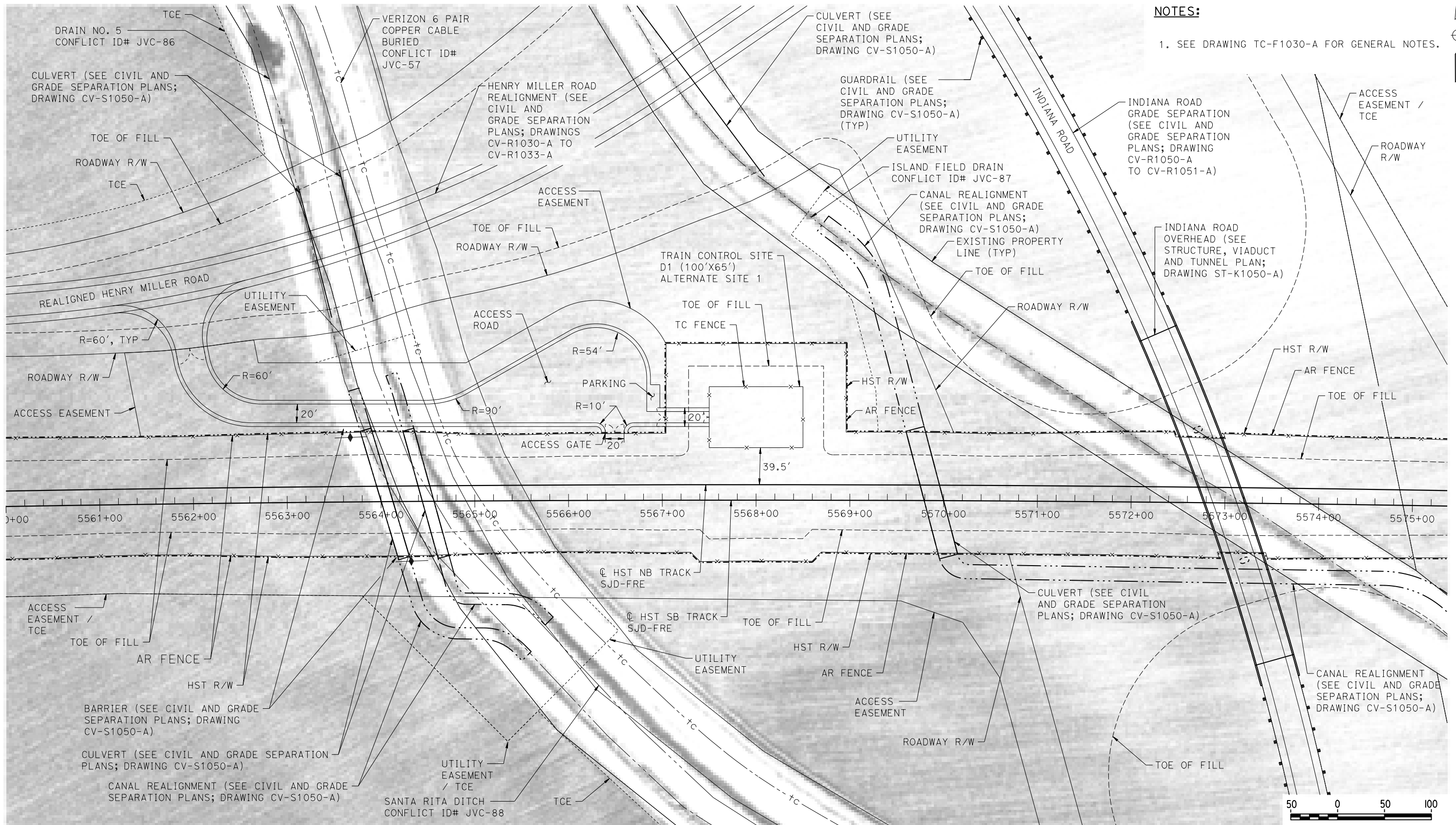
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 2

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

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:41 MF-TC-F1050-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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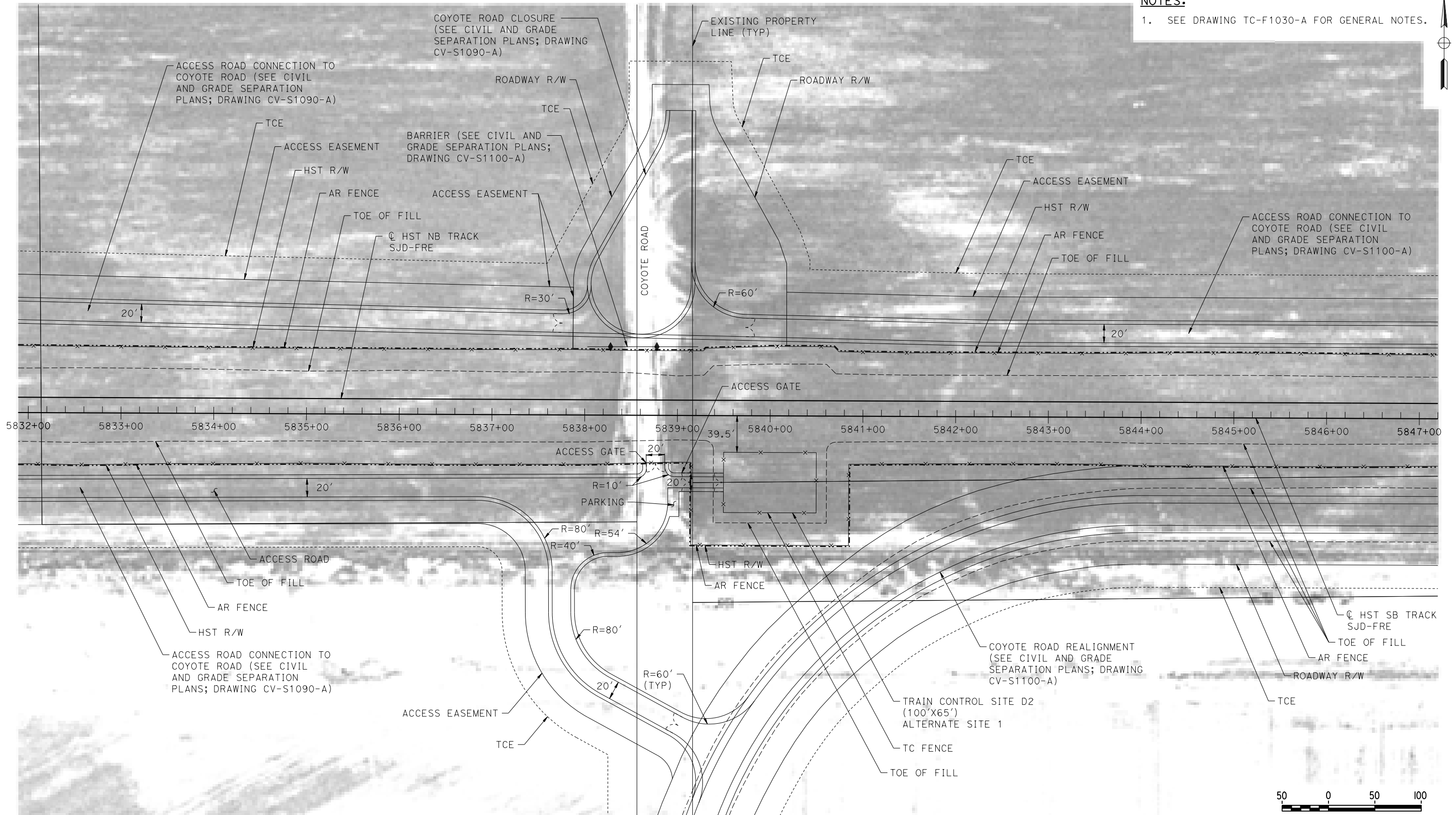
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 1

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

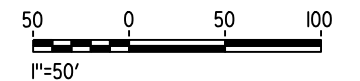
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:42 MF-TC-F1090-A.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
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CONSTRUCTION



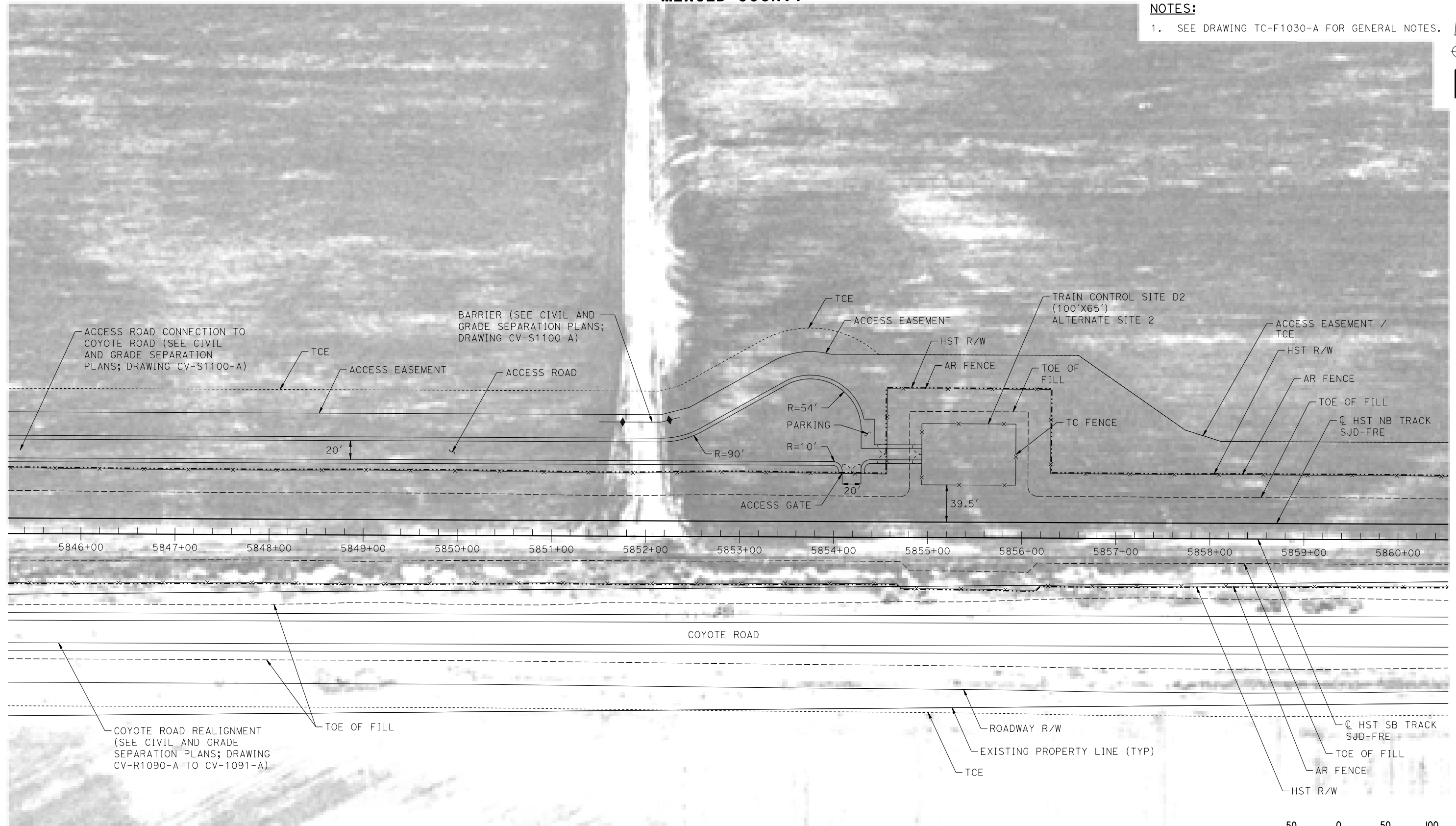
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 1

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

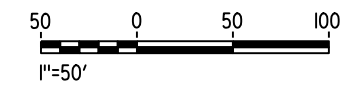
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:43 MF-TC-F1100-A.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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1100-A

SCALE
AS SHOWN

SHEET NO.

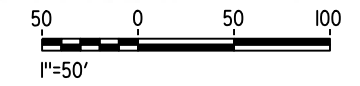
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:44 MF-TC-F1150-A.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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6156+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1150-A

SCALE
AS SHOWN

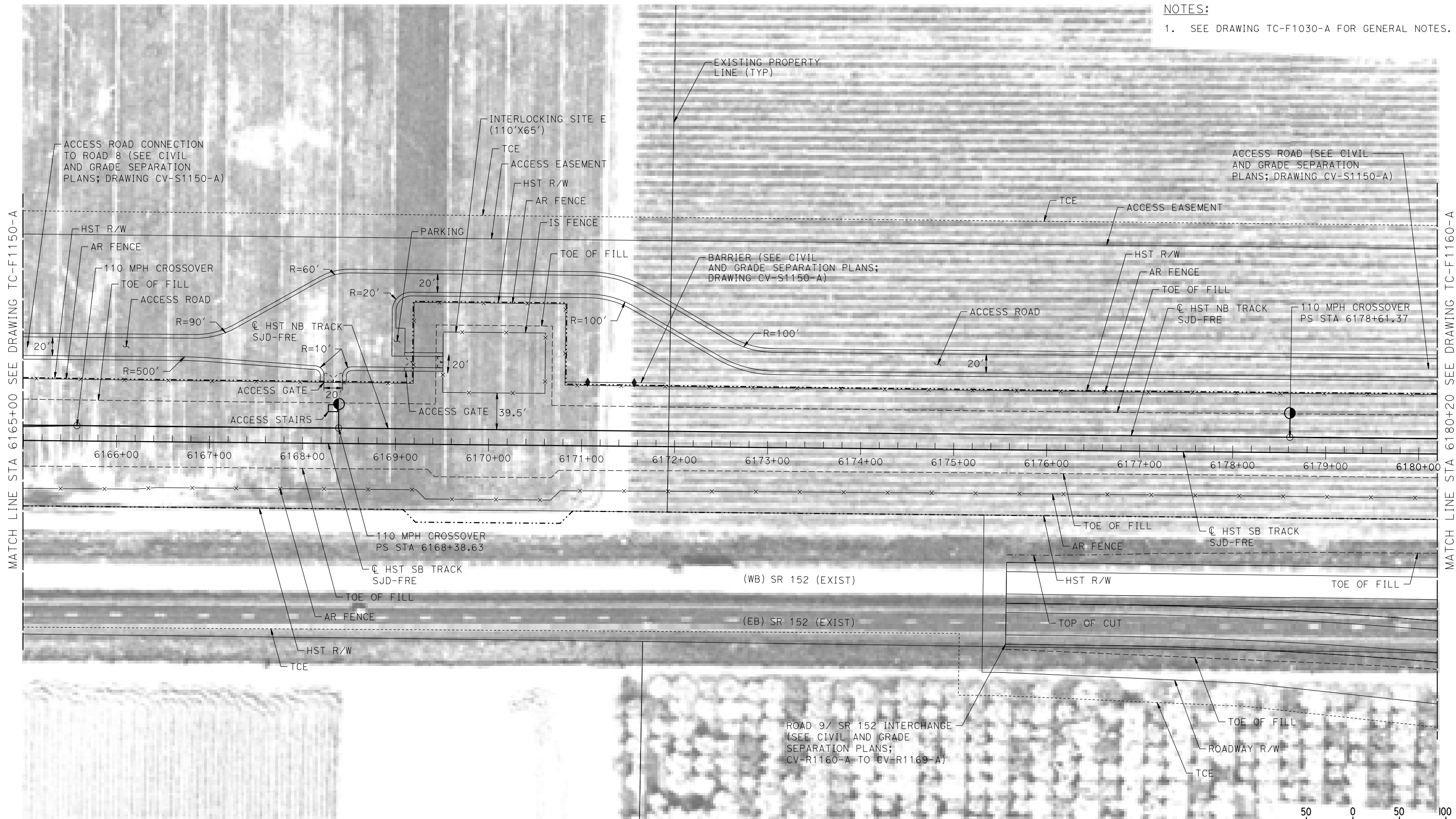
SHEET NO.

MATCH LINE STA 6165+00 SEE DRAWING TC-F1151-A

MADERA COUNTY

NOTES:

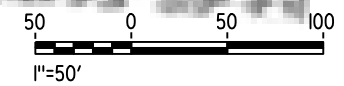
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.



MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A

MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

PLAN



18-MAR-2016 09:45 MF-TC-F1151-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

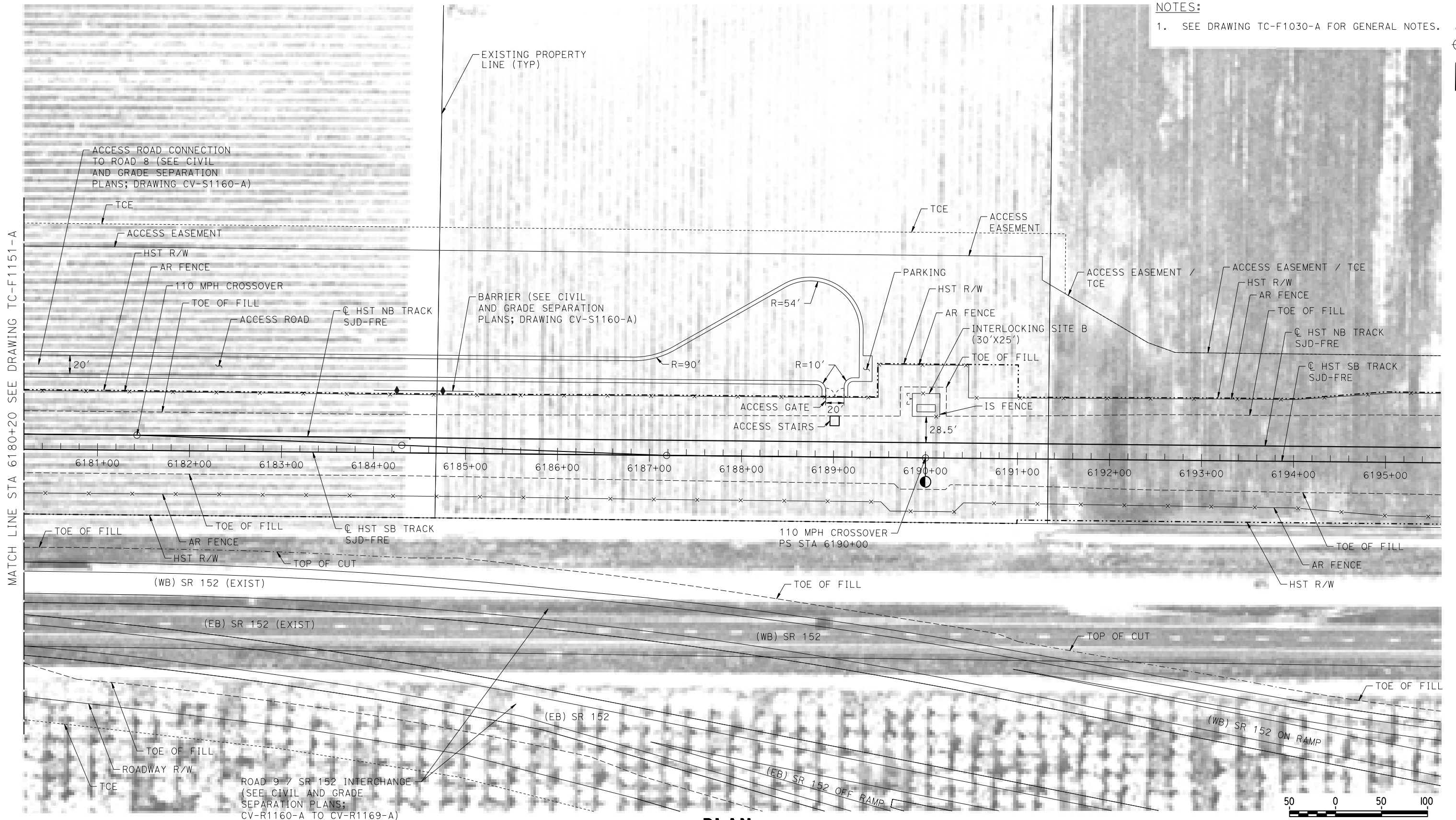


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6170+00

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

MADERA COUNTY

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



PLAN

08-MAR-2016 16:41:43 MF-TC-F1160-A.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

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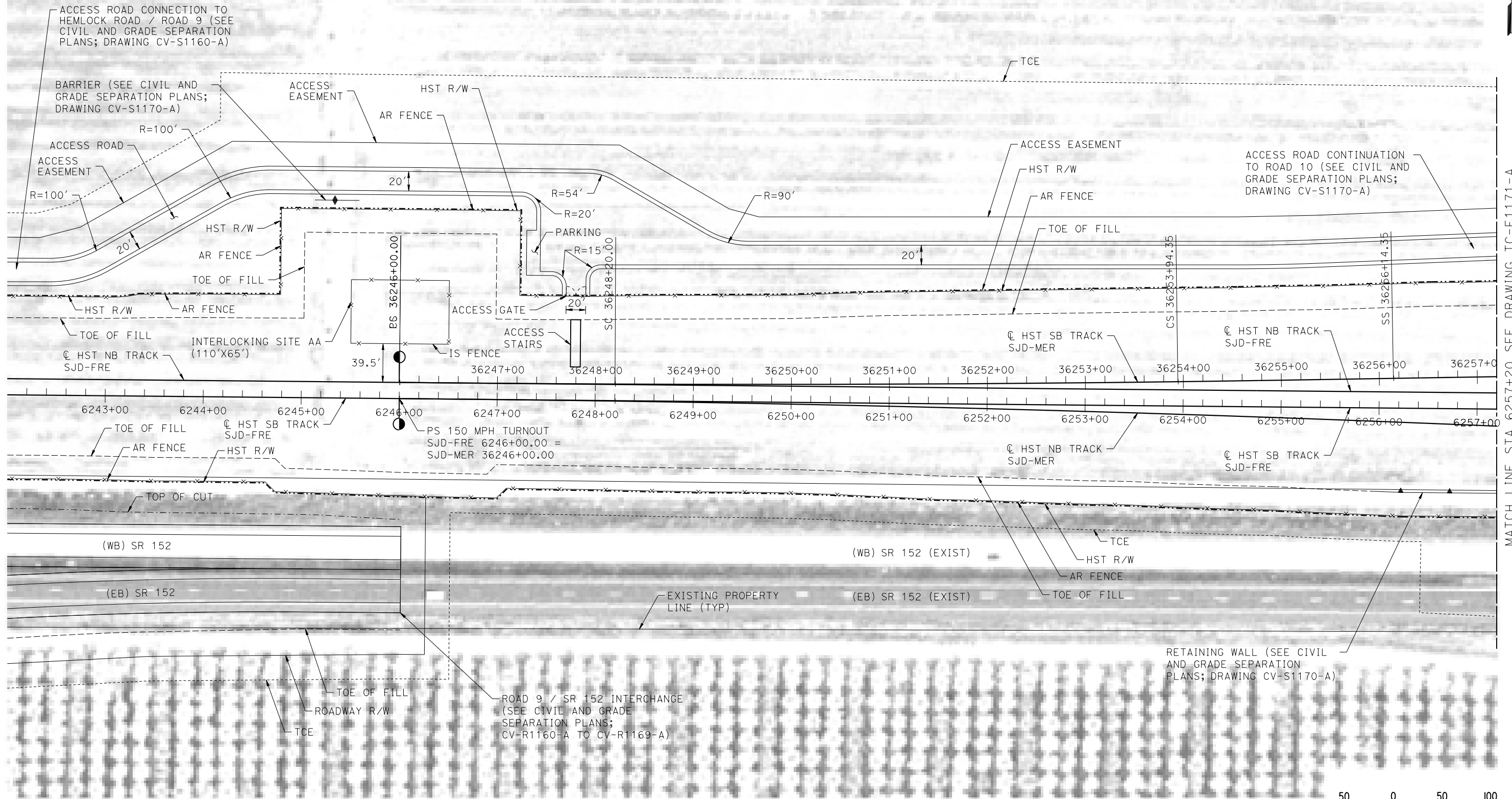
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6190+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1160-A
SCALE
AS SHOWN
SHEET NO.

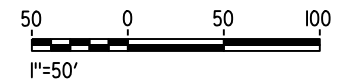
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:46 MF-TC-F1170-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

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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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6246+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1170-A

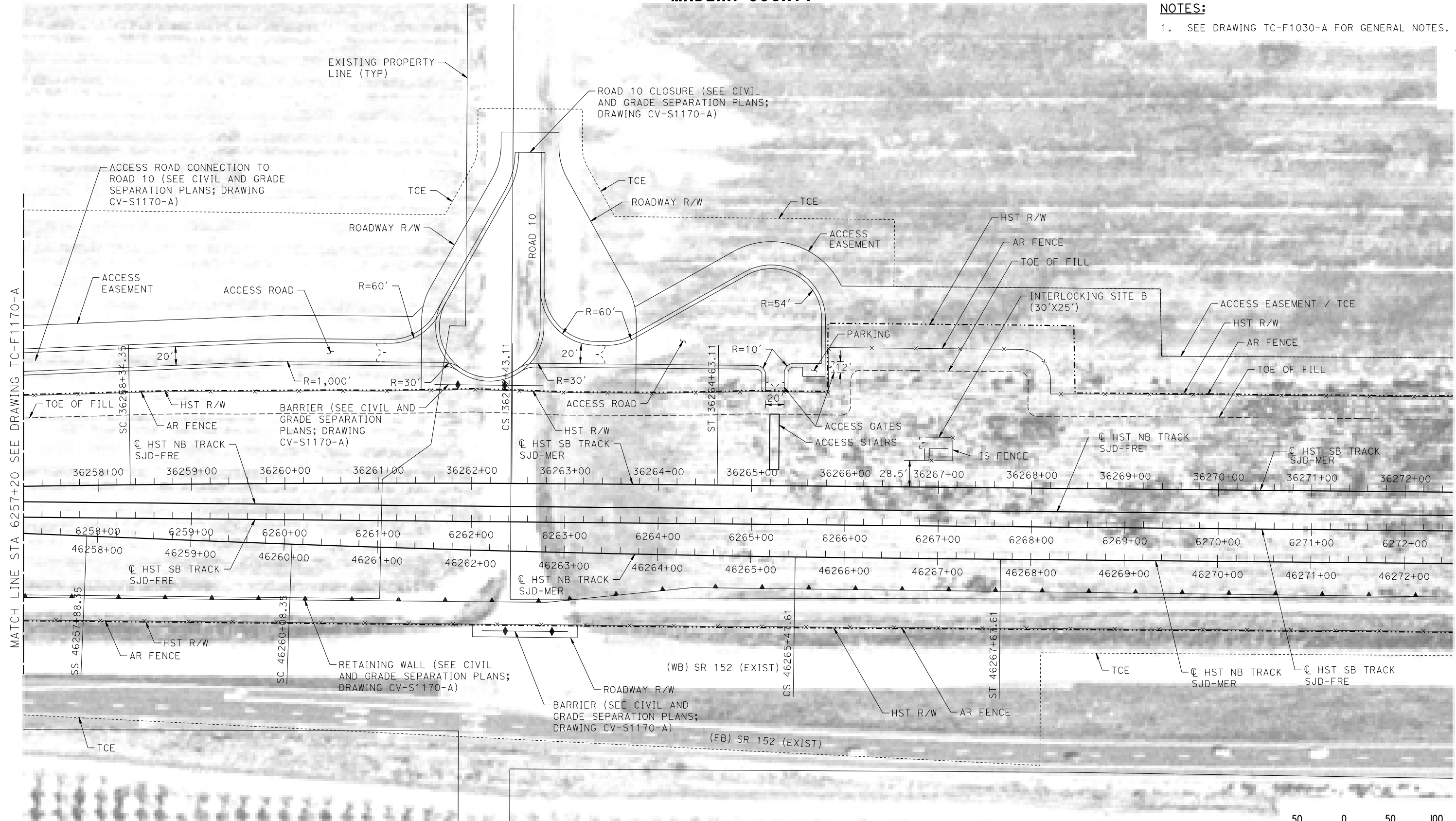
SCALE
AS SHOWN

SHEET NO.

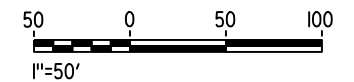
MADERA COUNTY

NOTES:

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



PLAN



MF-TC-F1171-A.dgn

08-MAR-2016 16:41:44

P0051333g

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
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6267+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1171-A

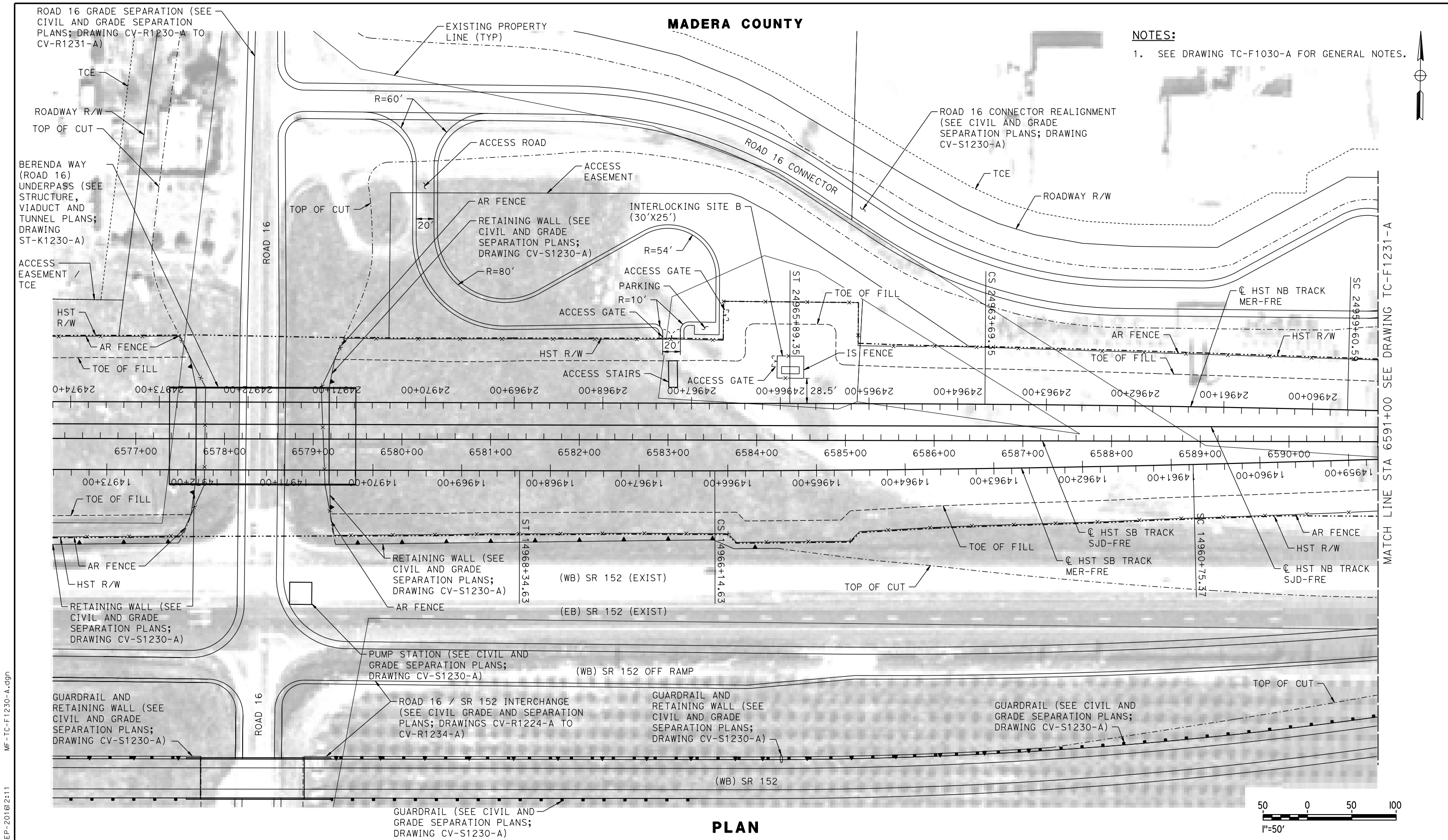
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SHEET NO.

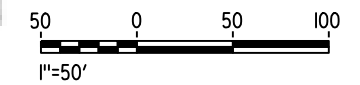
MADERA COUNTY

NOTES:

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



PLAN



MF-TC-F1230-A.dgn
02-SEP-2016 2:11
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
DRAWN BY
M. TACTAY
CHECKED BY
K. MA
IN CHARGE
C. LEMLEY
DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



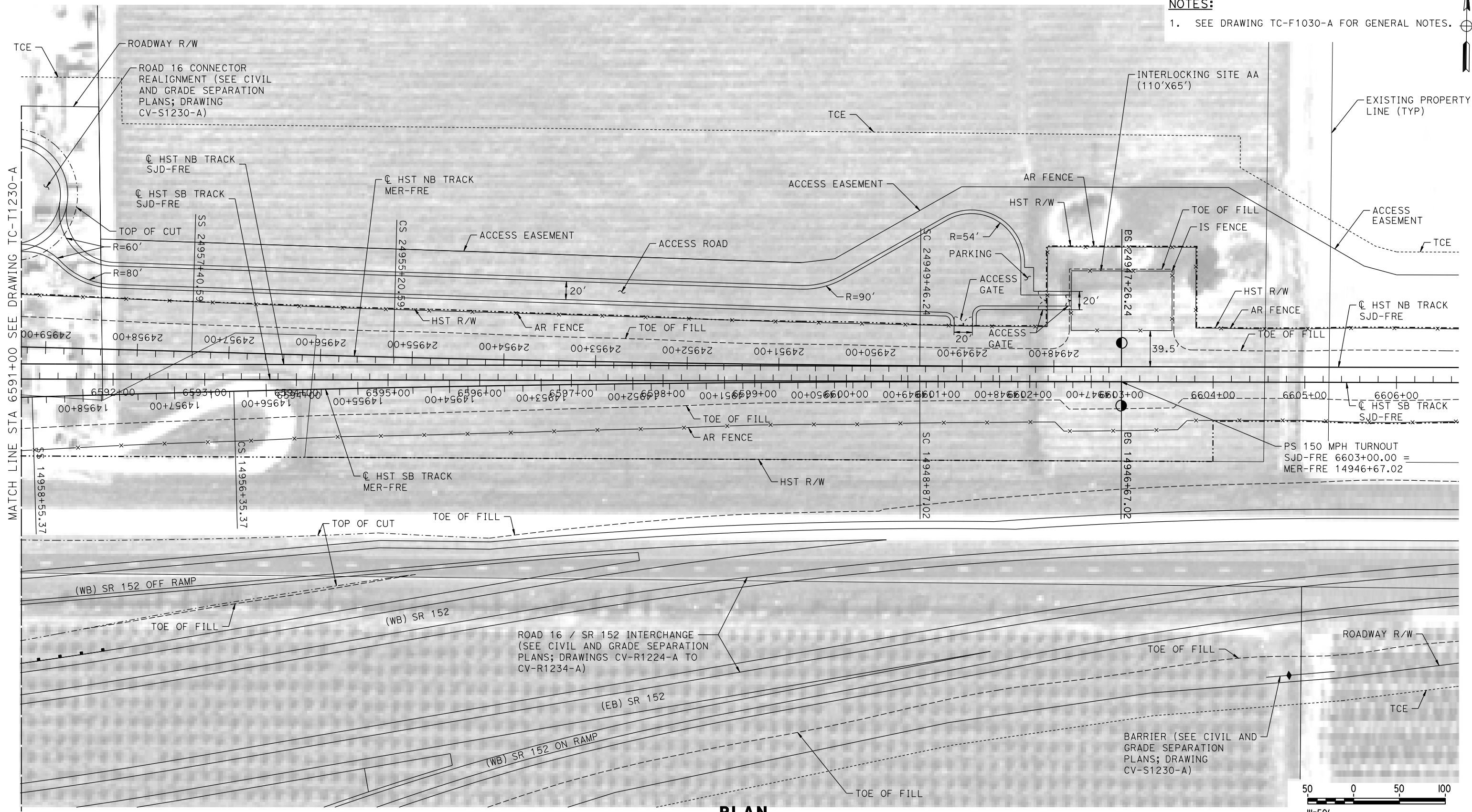
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6584+50

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

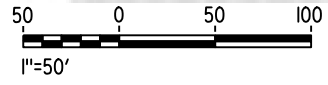
MADERA COUNTY

NOTES:

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



PLAN



02-SEP-2016 2:11 MF-TC-F1231-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
K. MA

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 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6603+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1231-A

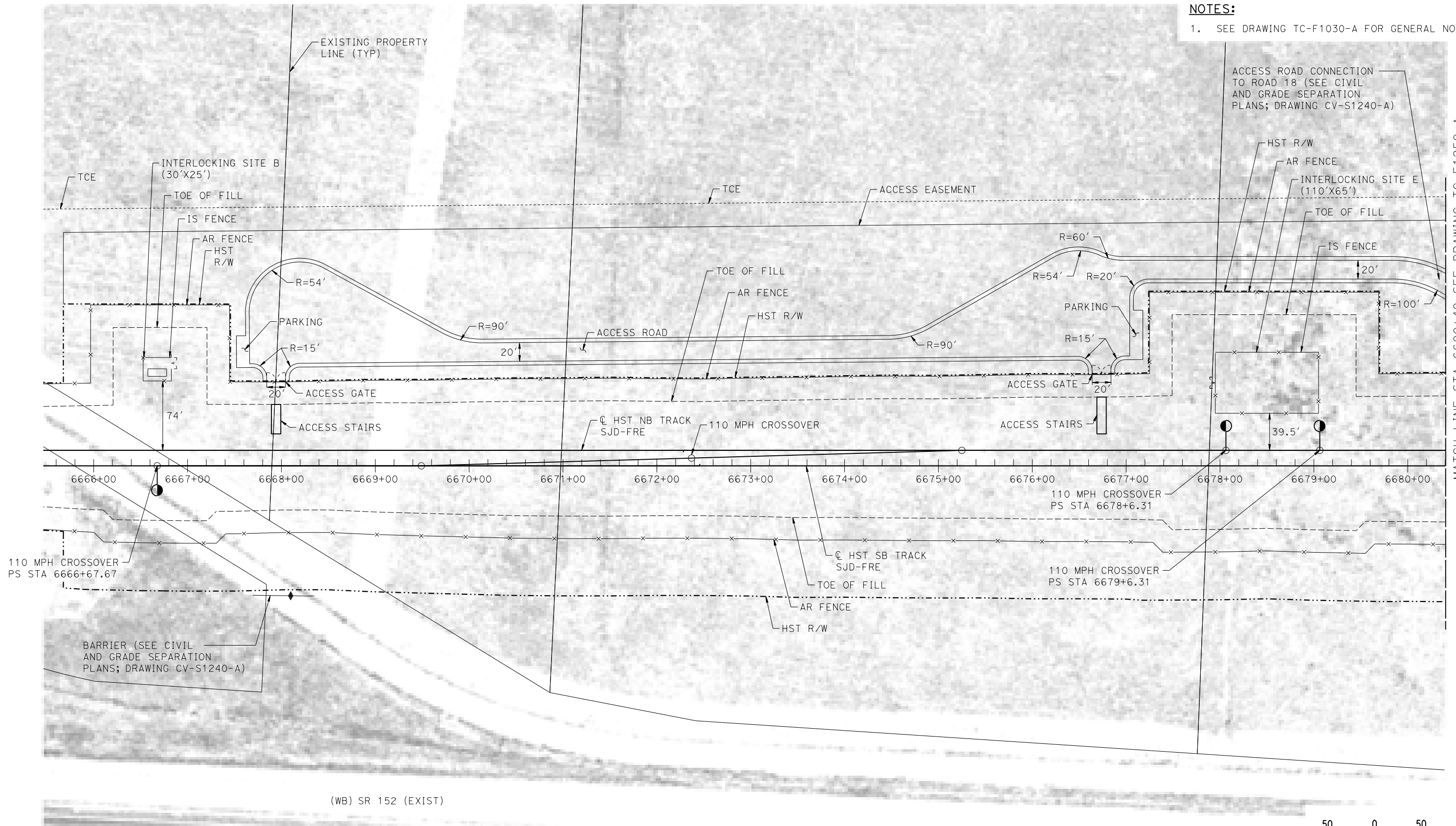
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



MATCH LINE STA 6680+40 SEE DRAWING TC-F1250-A

(WB) SR 152 (EXIST)



PLAN

18-MAR-2016 09:49 MF-TC-F1240-A.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

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CONSTRUCTION



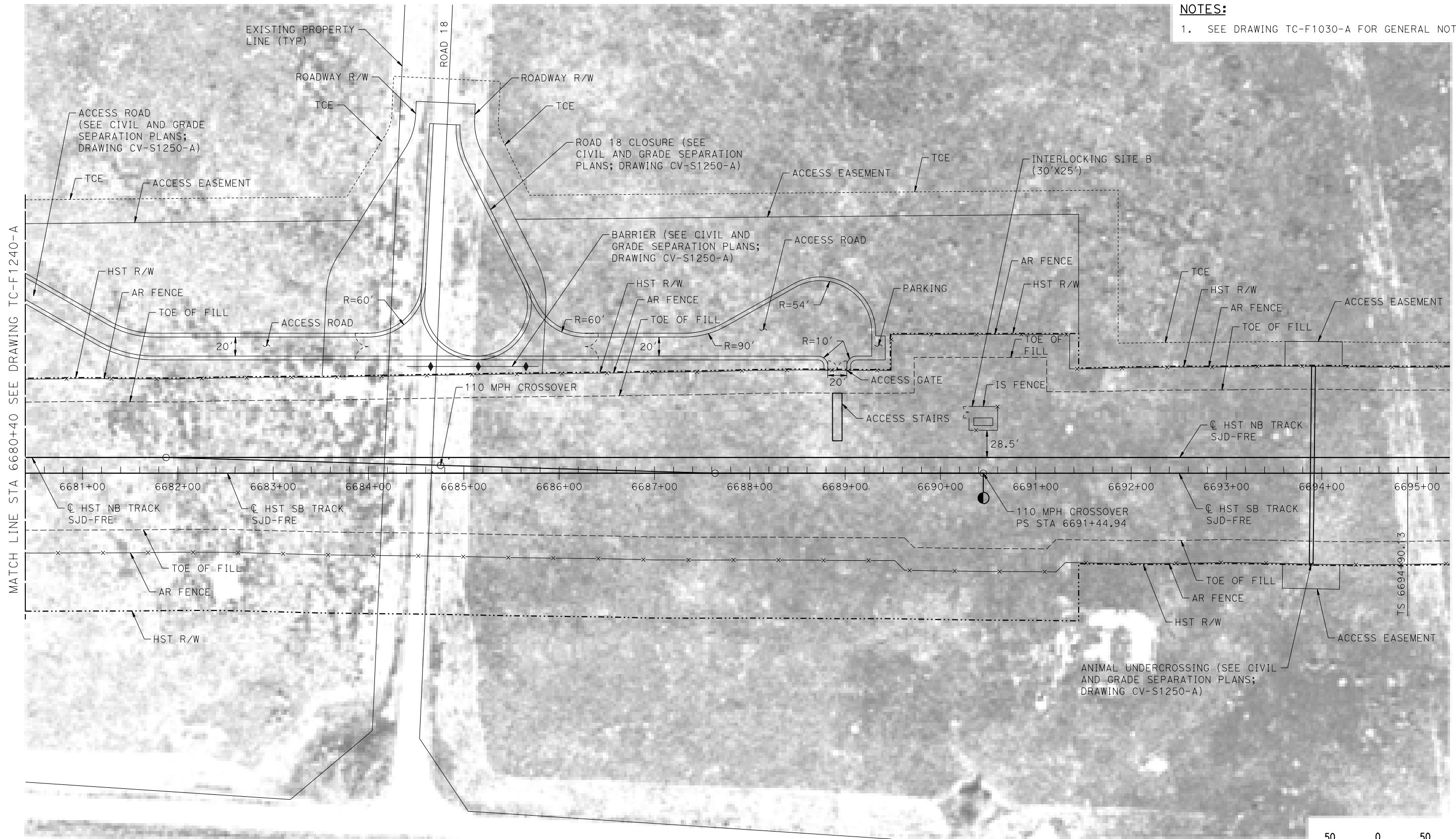
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6666+68 & SITE E @ 6678+50

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

MADERA COUNTY

NOTES:

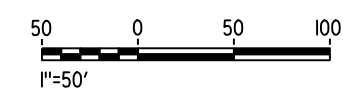
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.



MATCH LINE STA 6680+40 SEE DRAWING TC-F1240-A

TS 6694+90.13

PLAN



08-MAR-2016 4:48 MF-TC-F1250-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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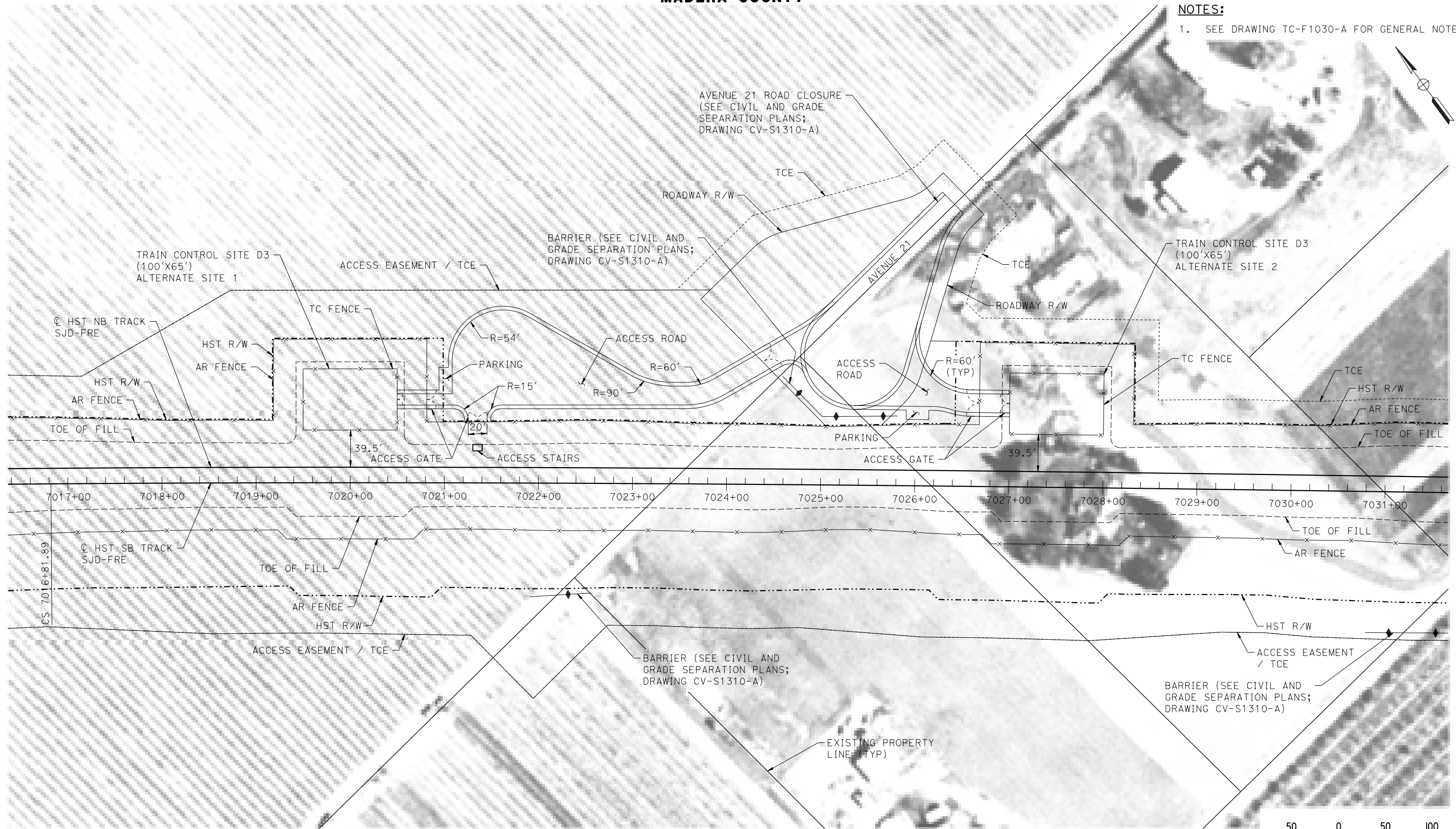
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6690+45

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1250-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:50 MF-TC-F1310-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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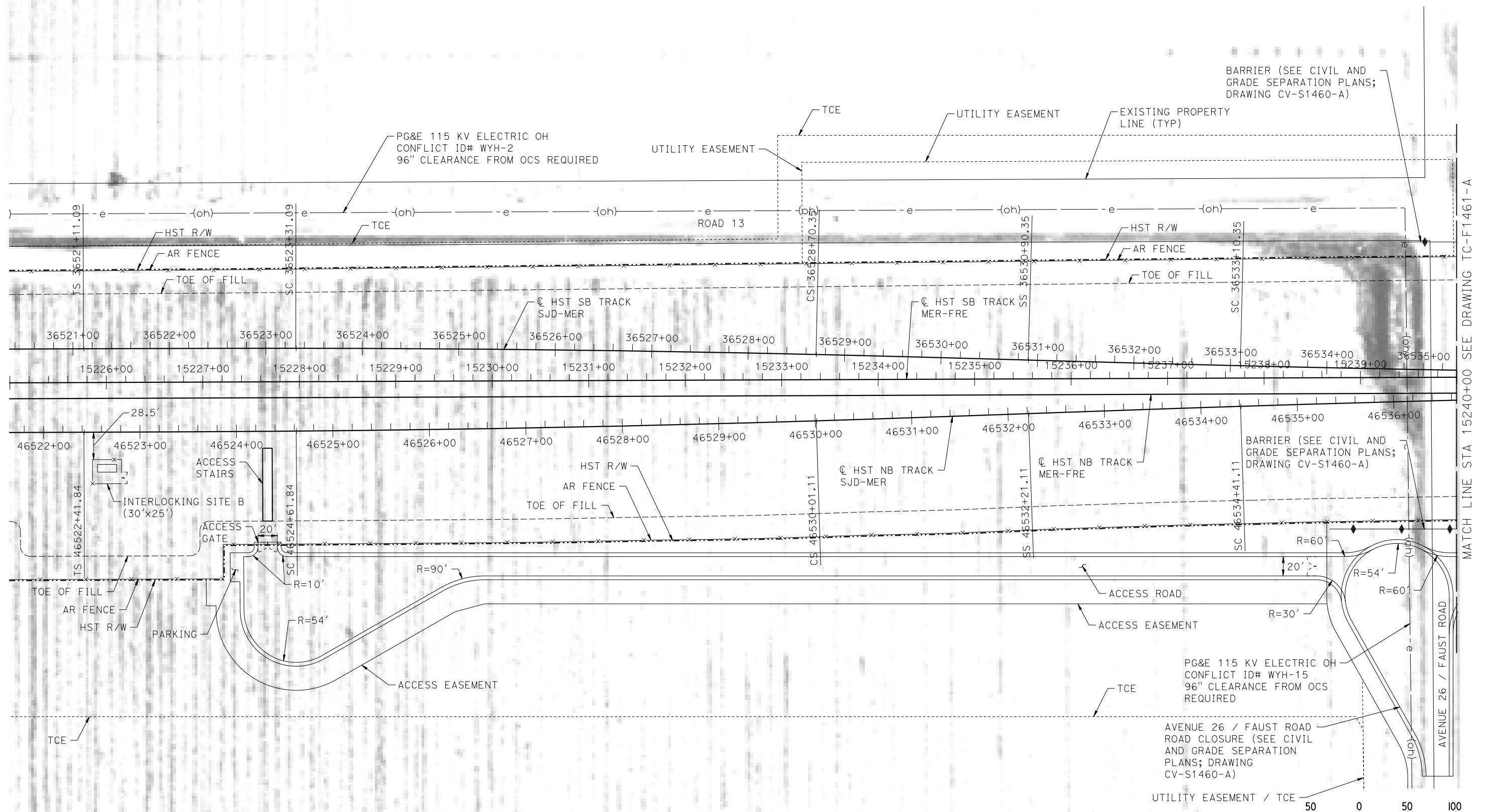
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1310-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

08-MAR-2016 16:41:50 MF-TC-F1460-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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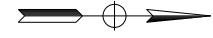
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15226+00

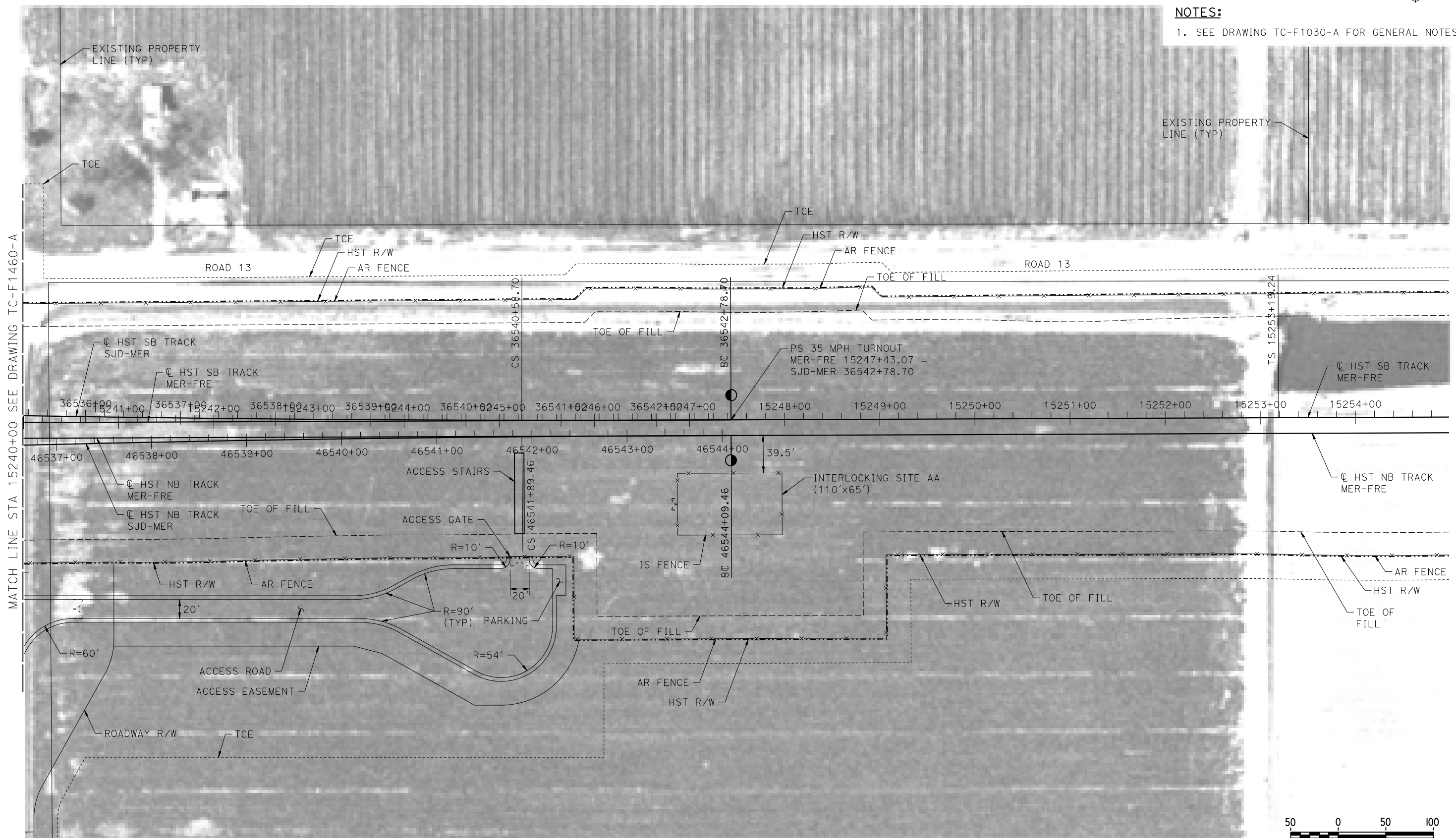
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1460-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

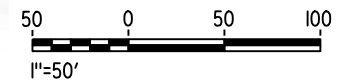


NOTES:

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



PLAN



08-MAR-2016 14:51 MF-TC-F1461-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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A. GURA
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C. LEMLEY
DATE
03/18/2016

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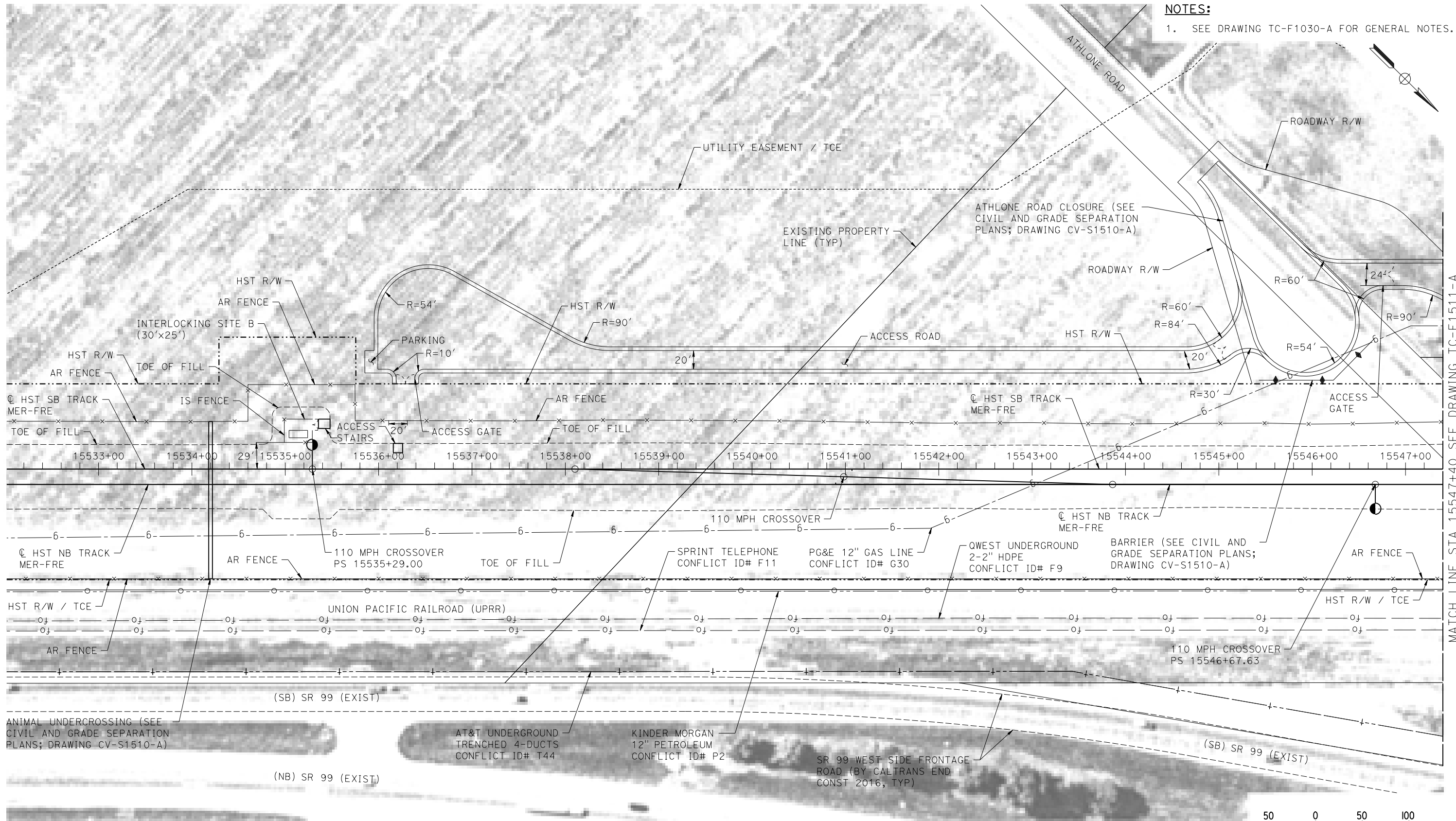
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15247+50

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

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 5:25 MF-TC-F1510-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15535+00

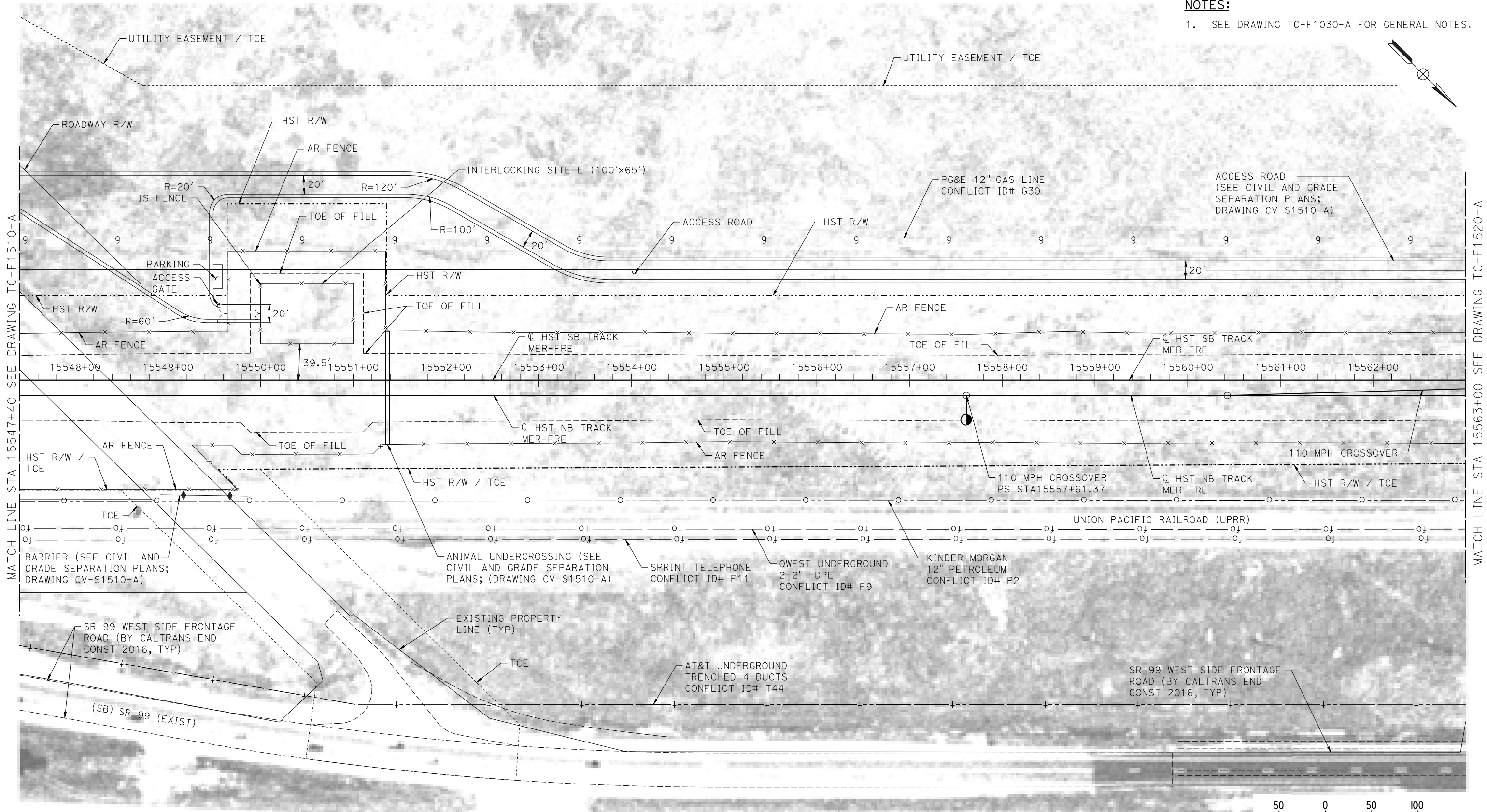
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HSR08-05
DRAWING NO.
TC-F1510-A
SCALE
AS SHOWN
SHEET NO.

MATCH LINE STA 15547+40 SEE DRAWING TC-F1511-A

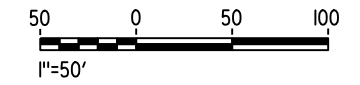
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:52 MF-TC-F1511-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 15550+50

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1511-A

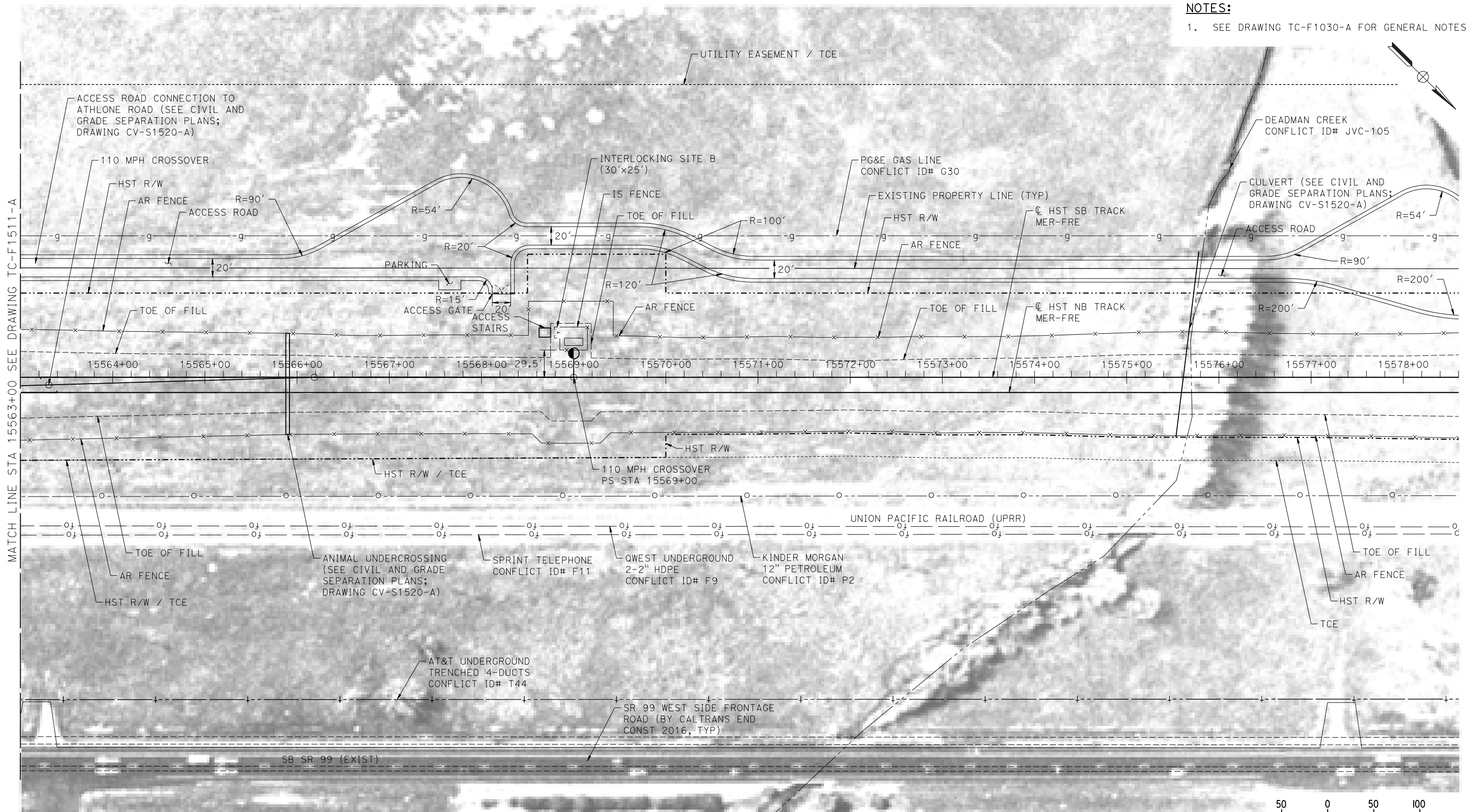
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:53 MF-TC-F1520-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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C. LEMLEY
DATE
03/18/2016

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CONSTRUCTION



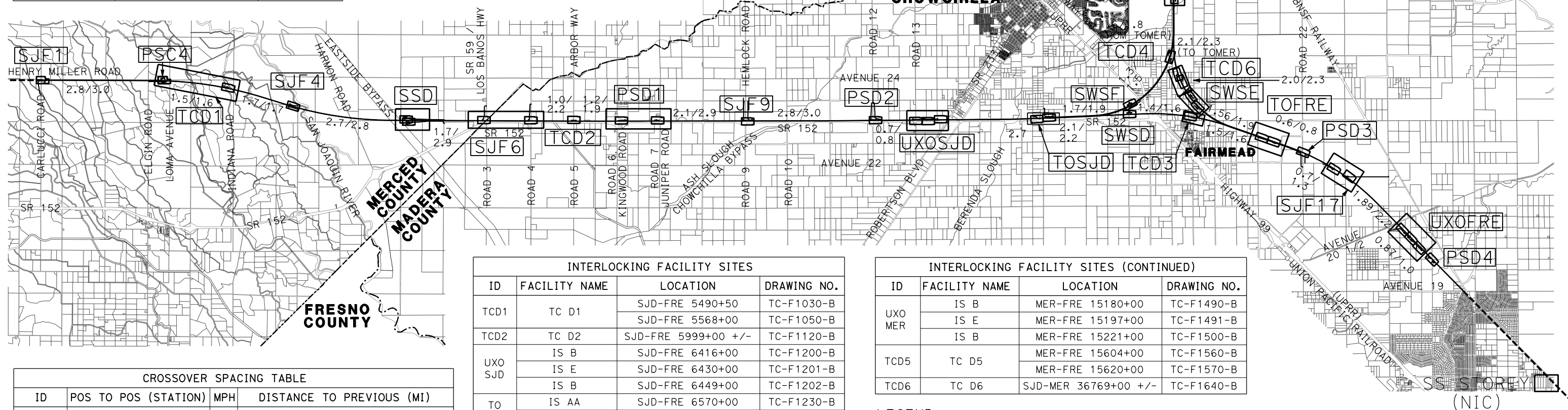
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15569+00

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

TRACTION POWER FACILITY SITES		
FACILITY NAME	LOCATION	DRAWING NO.
PS C4	SJD-FRE 5486+00 +/-	TP-01030-B
SS D	SJD-FRE 5790+00	TP-01090-B
	SJD-FRE 5793+00	TP-01091-B
PS D1	SJD-FRE 6064+00	TP-01130-B
	SJD-FRE 6099+00	TP-01140-B
PS D2	SJD-FRE 6375+00 +/-	TP-01190-B
SWS D	SJD-FRE 6685+00 +/-	TP-01250-B
PS D3	SJD-FRE 6905+00 +/-	TP-01280-B
PS D4	SJD-FRE 7115+00 +/-	TP-01320-B
SWS E	MER-FRE 14819+50	TP-01420-B
	MER-FRE 14837+50	TP-01430-B
PS E1	MER-FRE 15081+00 +/-	TP-01470-B
PS E2	MER-FRE 15280+00 +/-	TP-01510-B
SS E	MER-FRE 15465+00	TP-01540-B
	MER-FRE 15478+00	TP-01541-B
SWS F	SJD-MER 36688+00 +/-	TP-01630-B

STANDALONE RADIO SITES			
FACILITY NAME	LOCATION	DRAWING NO.	
SJF 1	SJD-FRE 5339+50	CO-F1010-B	
SJF 4	SJD-FRE 5645+00	CO-F1060-B	
SJF 6	SJD-FRE 5885+00	CO-F1100-B	
	SJD-FRE 5942+00	CO-F1110-B	
SJF 9	SJD-FRE 6217+00 +/-	CO-F1160-B	
SJF 17	SJD-FRE 6950+00	CO-F1290-B	
	SJD-FRE 6967+00	CO-F1300-B	
MF 7	MER-FRE 15364+00	CO-F1520-B	
	MER-FRE 15399+50	CO-F1530-B	

MECHANICAL FACILITY SITE		
FACILITY NAME	LOCATION	DRAWING NO.
ME 1	MER-FRE 15443+00	ME-S1540-B



CROSSOVER SPACING TABLE				
ID	POS TO POS (STATION)	MPH	DISTANCE TO PREVIOUS (MI)	
UXO SJV	5114+03 TO 5156+81	110	NIC	
UXO SJD	6416+00 TO 6449+00	110	23.85 (UXO SJV)	
UXO FRE	7066+00 TO 7099+00	110	11.65 (UXO SJD) & 13.19 (UXO MER)	
UXO MER	15180+00 TO 15221+00	110	11.71 (UXO SJD) & 13.19 (UXO FRE)	

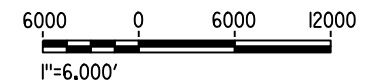
TURNOUT SPACING TABLE				
ID	POS (STATION)	MPH	DISTANCE TO NEAREST XO/UXO (MI)	
TO SJD	SJD-FRE 6570+00	150	0.95 (SJD)	
TO FRE	SJD-FRE 6868+51	150	3.71 (FRE)	
TO MER	MER-FRE 14979+98	150	3.79 (MER)	

INTERLOCKING FACILITY SITES				
ID	FACILITY NAME	LOCATION	DRAWING NO.	
TCD1	TC D1	SJD-FRE 5490+50	TC-F1030-B	
		SJD-FRE 5568+00	TC-F1050-B	
TCD2	TC D2	SJD-FRE 5999+00 +/-	TC-F1120-B	
UXO SJD	IS B	SJD-FRE 6416+00	TC-F1200-B	
		SJD-FRE 6430+00	TC-F1201-B	
		SJD-FRE 6449+00	TC-F1202-B	
TO SJD	IS B	SJD-FRE 6570+00	TC-F1230-B	
		SJD-FRE 6591+50	TC-F1231-B	
TCD3	TC D3	SJD-FRE 6765+00 +/-	TC-F1260-B	
		SJD-FRE 6846+80	TC-F1270-B	
TO FRE	IS AA	SJD-FRE 6868+50	TC-F1280-B	
		SJD-FRE 7066+00	TC-F1310-B	
UXO FRE	IS E	SJD-FRE 7077+00 +/-	TC-F1320-B	
		SJD-FRE 7099+00	TC-F1321-B	
TCD4	TC D4	MER-FRE 14858+00	TC-F1430-B	
		MER-FRE 14868+00	TC-F1431-B	
TO MER	IS B	MER-FRE 14958+30	TC-F1450-B	
		MER-FRE 14980+00	TC-F1451-B	

INTERLOCKING FACILITY SITES (CONTINUED)				
ID	FACILITY NAME	LOCATION	DRAWING NO.	
UXO MER	IS B	MER-FRE 15180+00	TC-F1490-B	
		MER-FRE 15197+00	TC-F1491-B	
		MER-FRE 15221+00	TC-F1500-B	
TCD5	TC D5	MER-FRE 15604+00	TC-F1560-B	
		MER-FRE 15620+00	TC-F1570-B	
TCD6	TC D6	SJD-MER 36769+00 +/-	TC-F1640-B	

LEGEND:

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



08-MAR-2016 1:29 MF-TP-B4001-B.dgn

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J. CASTILLO
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A. GURA
IN CHARGE
C. LEMLEY
DATE
03/18/2016

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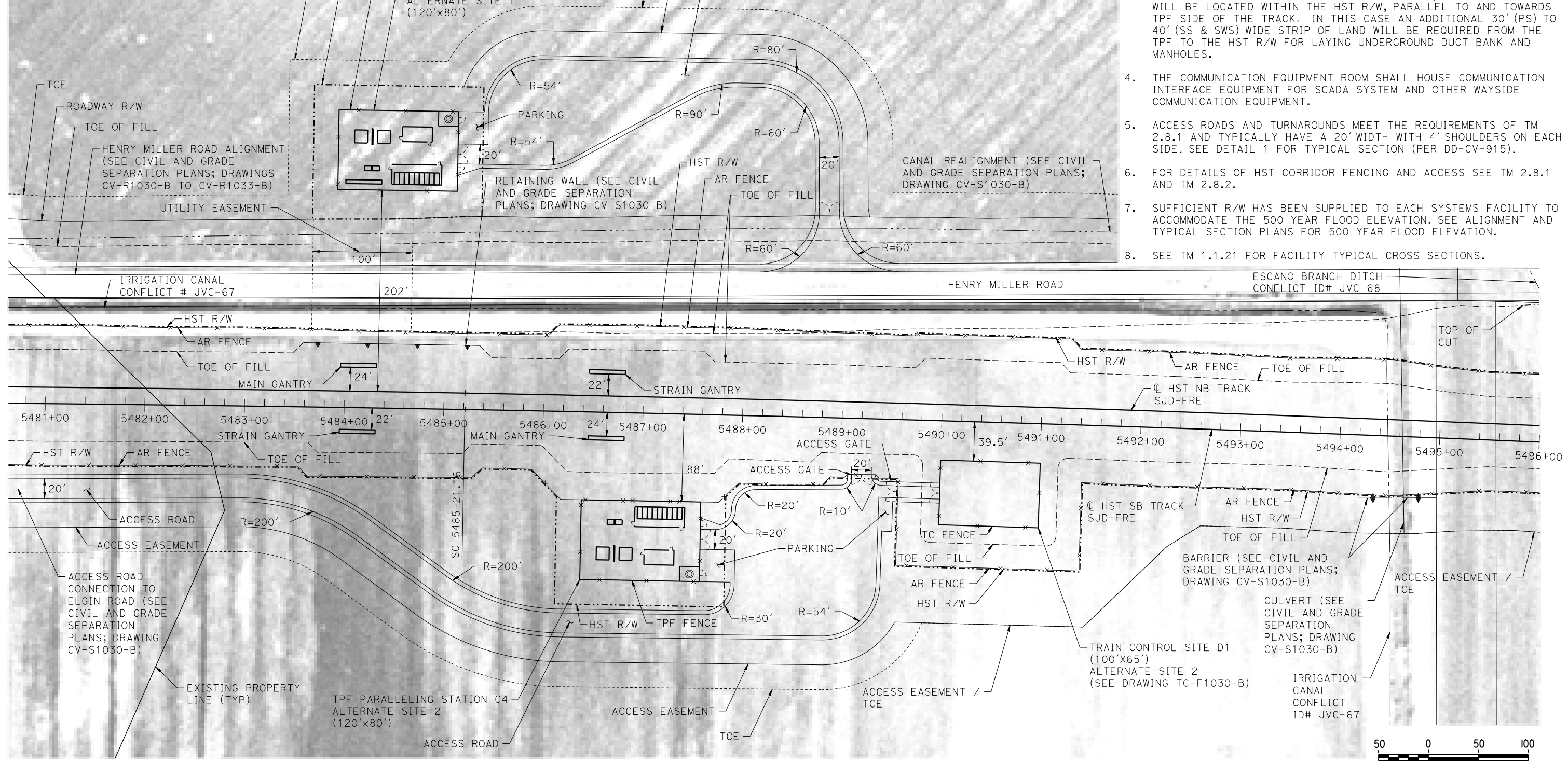
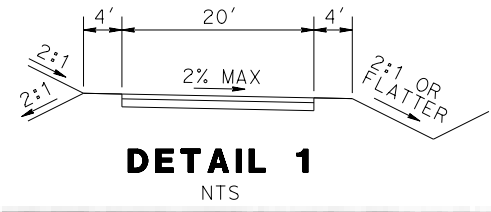
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

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

MERCED COUNTY

GENERAL NOTES:

1. THIS IS A TYPICAL TPF SITE LAYOUT AND ORIENTATION 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

18-MAR-2016 01:56 MF-TP-01030-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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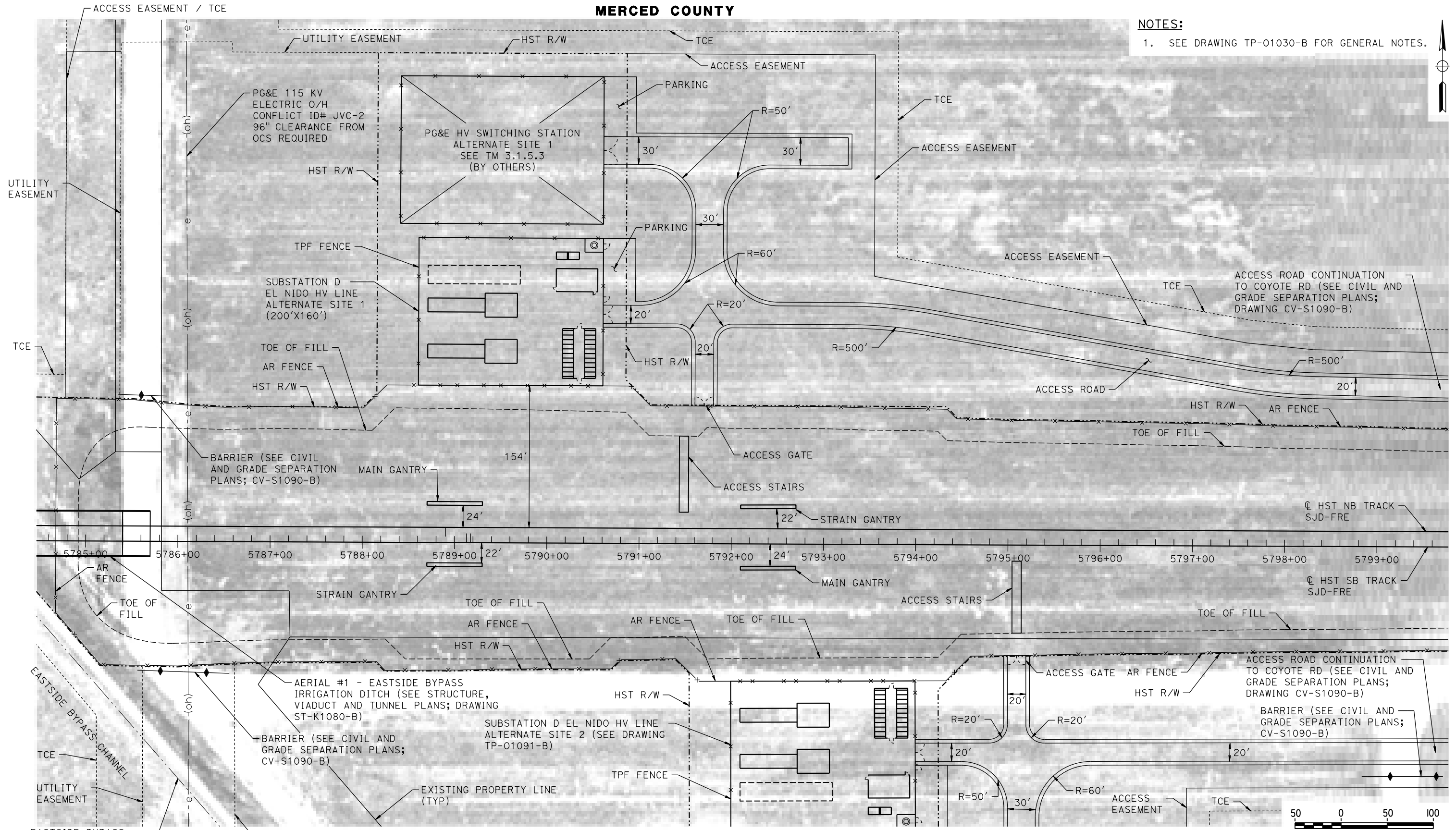
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

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

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:41 MF-TP-01090-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE
C. LEMLEY

DATE
03/18/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

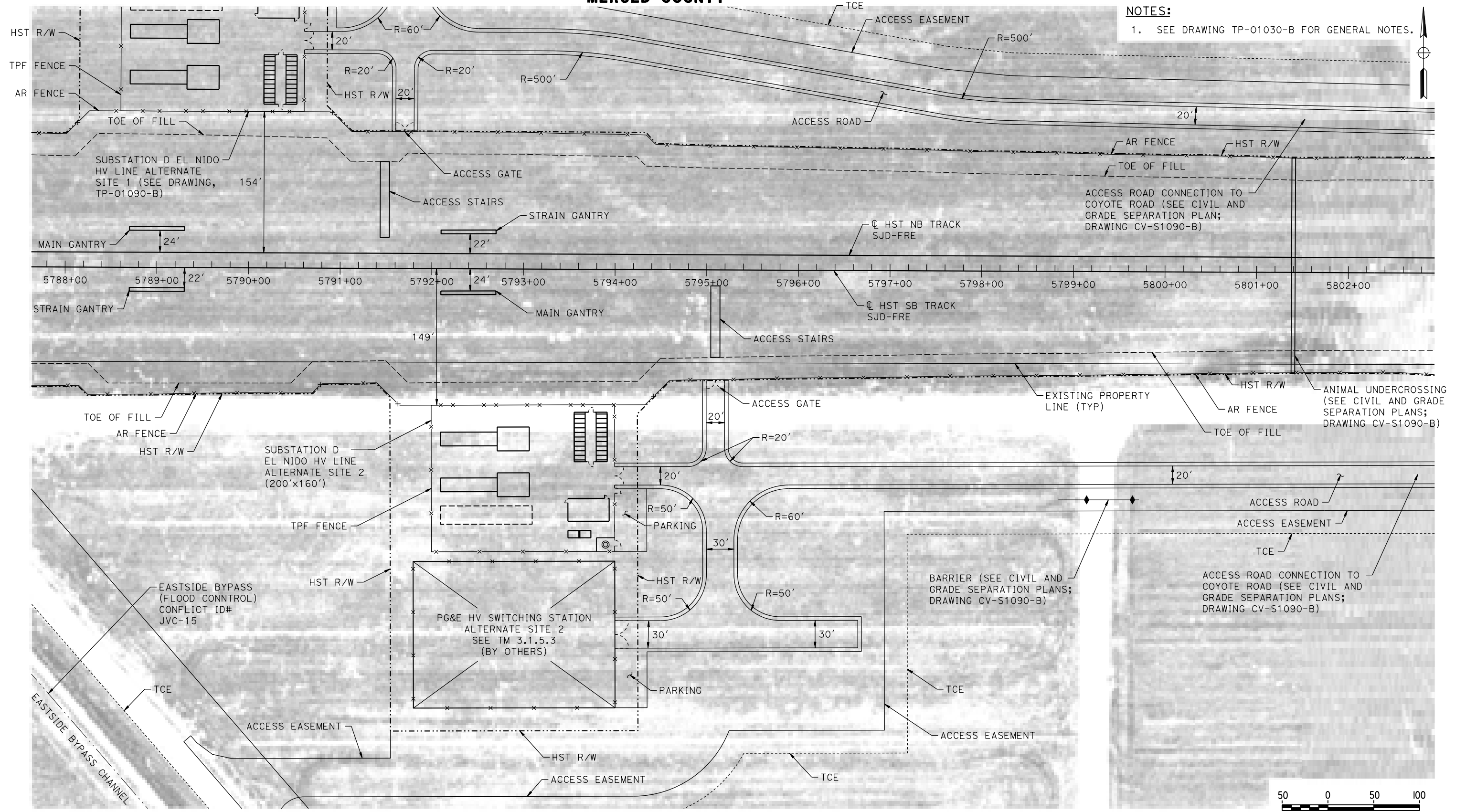
DRAWING NO.
TP-01090-B

SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

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



PLAN

18-MAR-2016 09:41 MF-TP-01091-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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C. LEMLEY
DATE
03/18/2016

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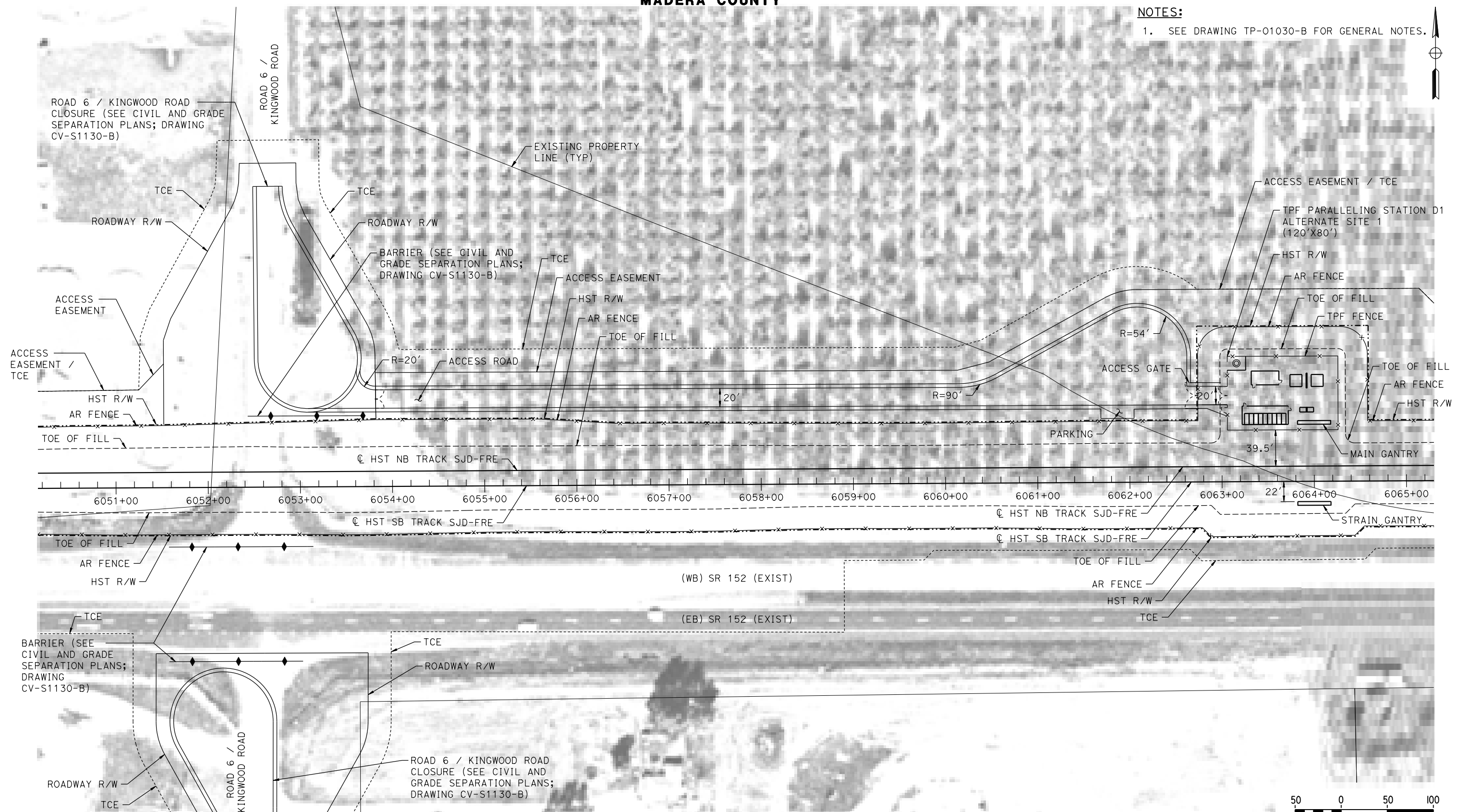
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01091-B
SCALE
AS SHOWN
SHEET NO.

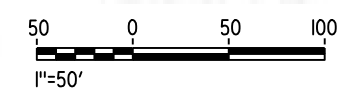
MADERA COUNTY

NOTES:

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



PLAN



08-MAR-2016 1:31 MF-TP-01130-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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A. GURA
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C. LEMLEY
DATE
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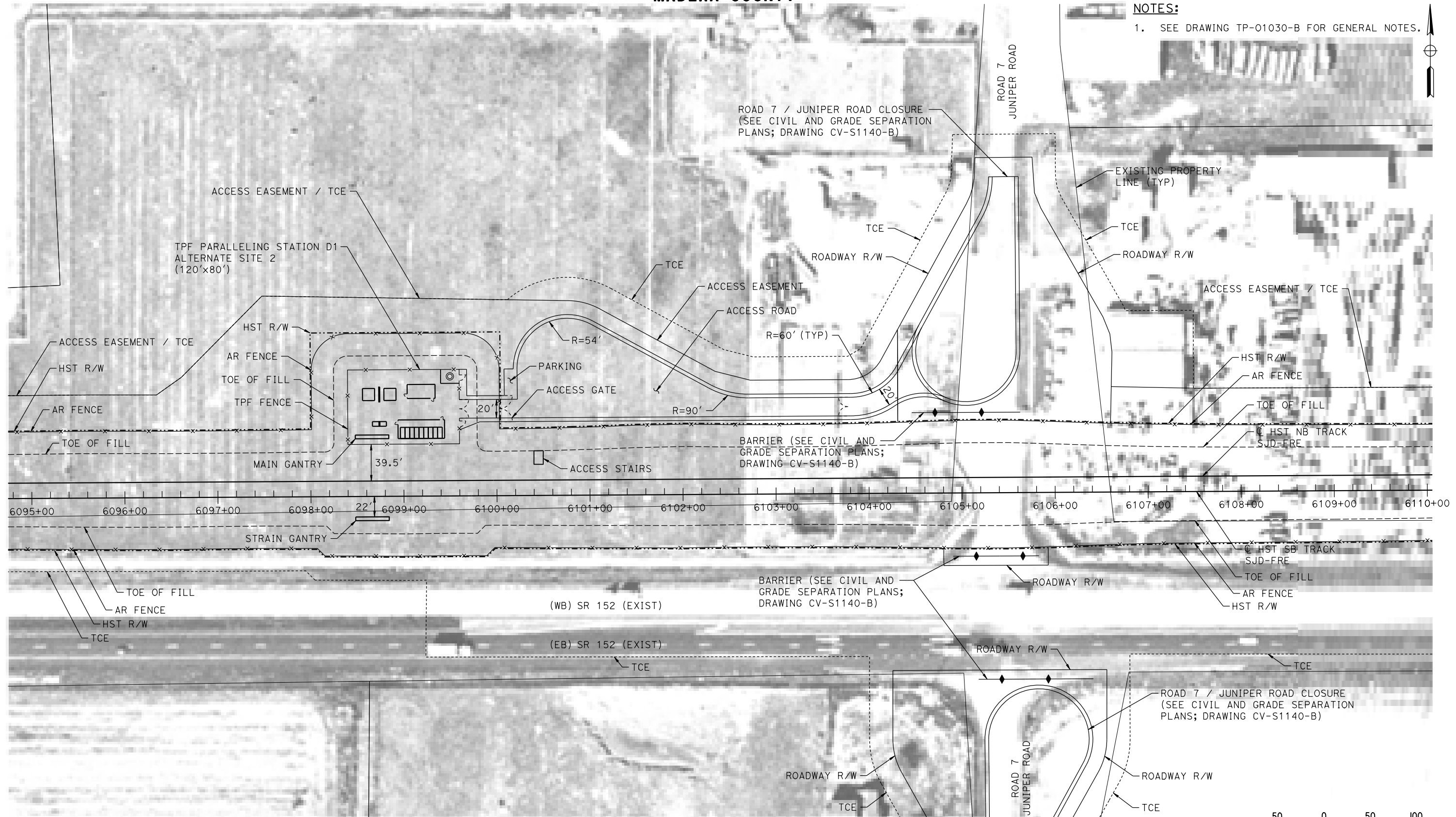
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 1

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

MADERA COUNTY

NOTES:

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



PLAN

08-MAR-2016 1:31 MF-TP-01140-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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J. CASTILLO
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A. GURA
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C. LEMLEY
DATE
03/18/2016

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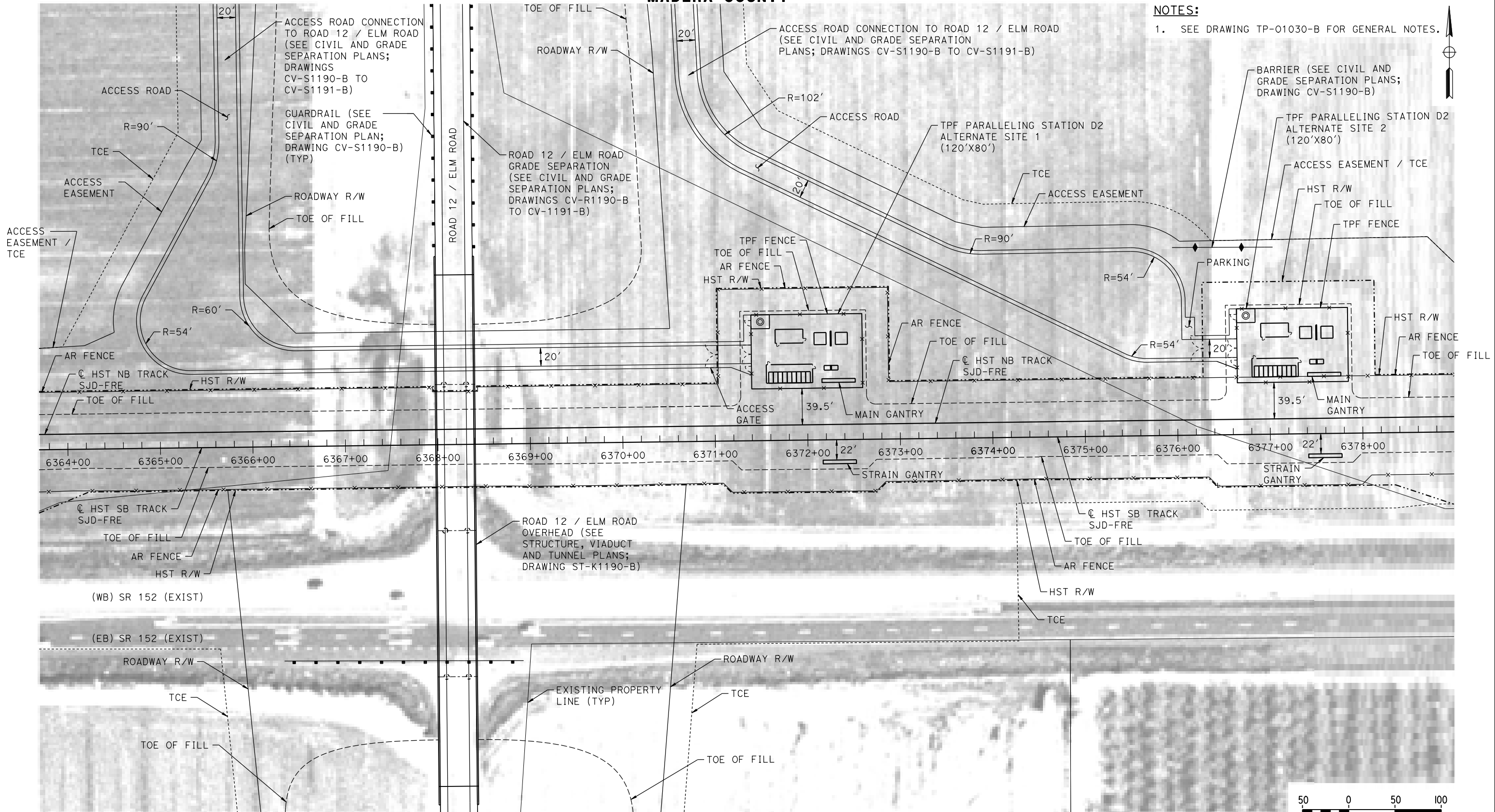
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01140-B
SCALE
AS SHOWN
SHEET NO.

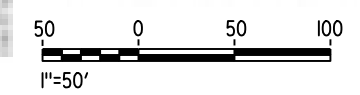
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:41 MF-TP-01190-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

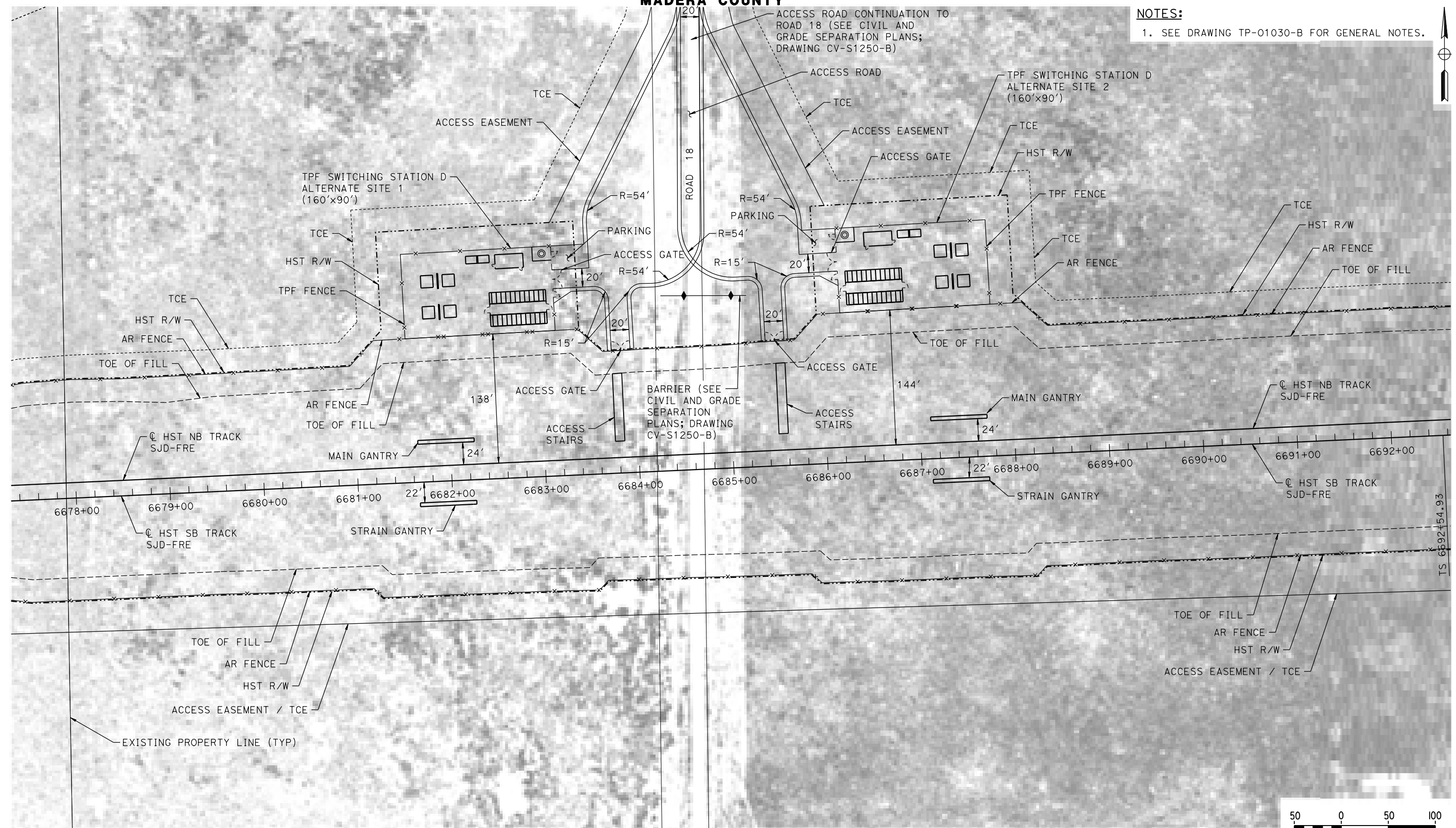
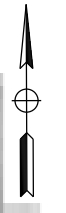
DRAWING NO.
TP-01190-B

SCALE
AS SHOWN

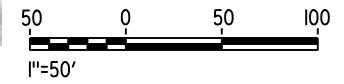
SHEET NO.

MADERA COUNTY

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



PLAN



08-MAR-2016 1:32 MF-TP-01250-B.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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CONSTRUCTION



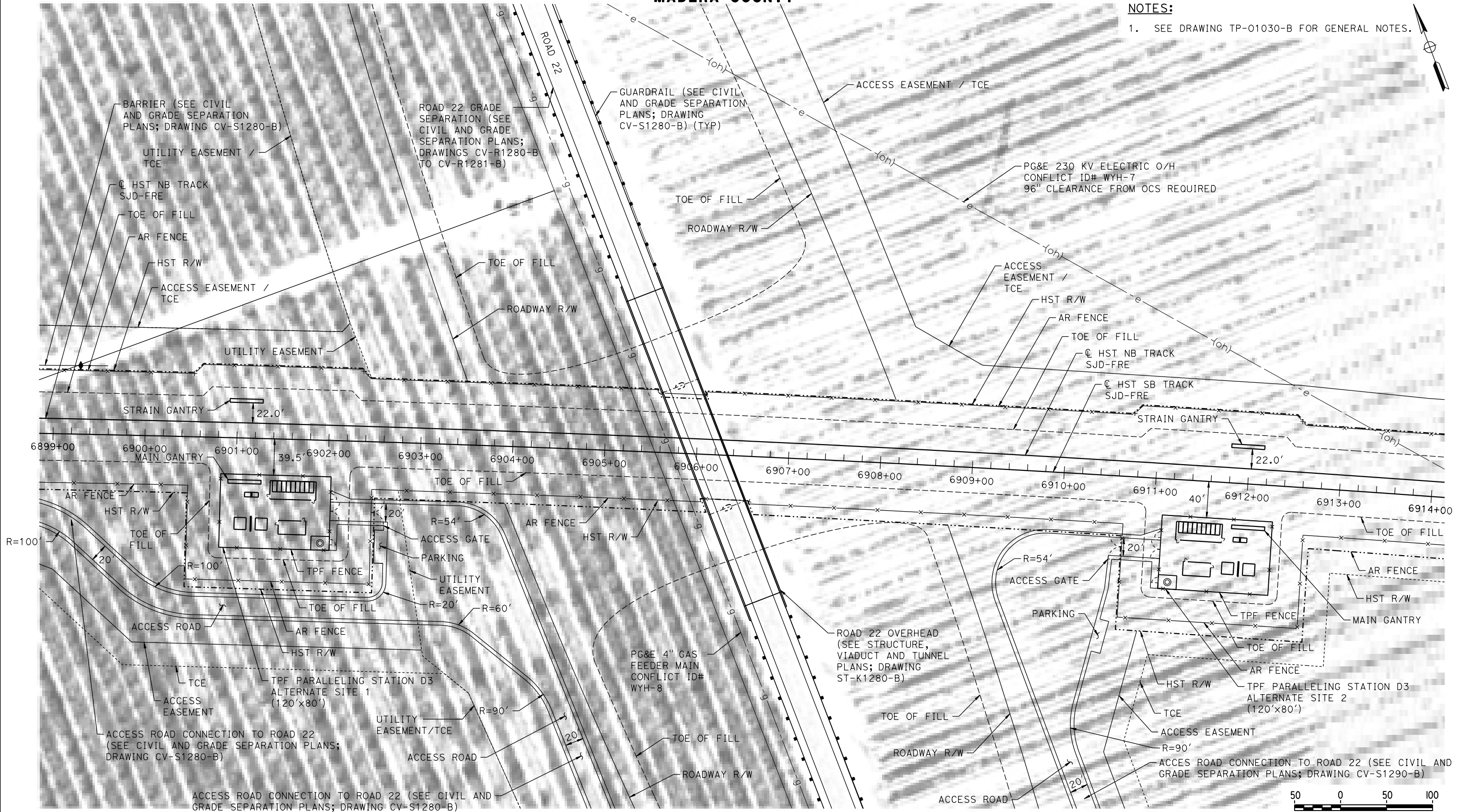
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01250-B
SCALE
AS SHOWN
SHEET NO.

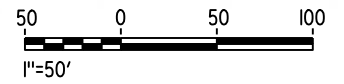
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:42 MF-TP-01280-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01280-B

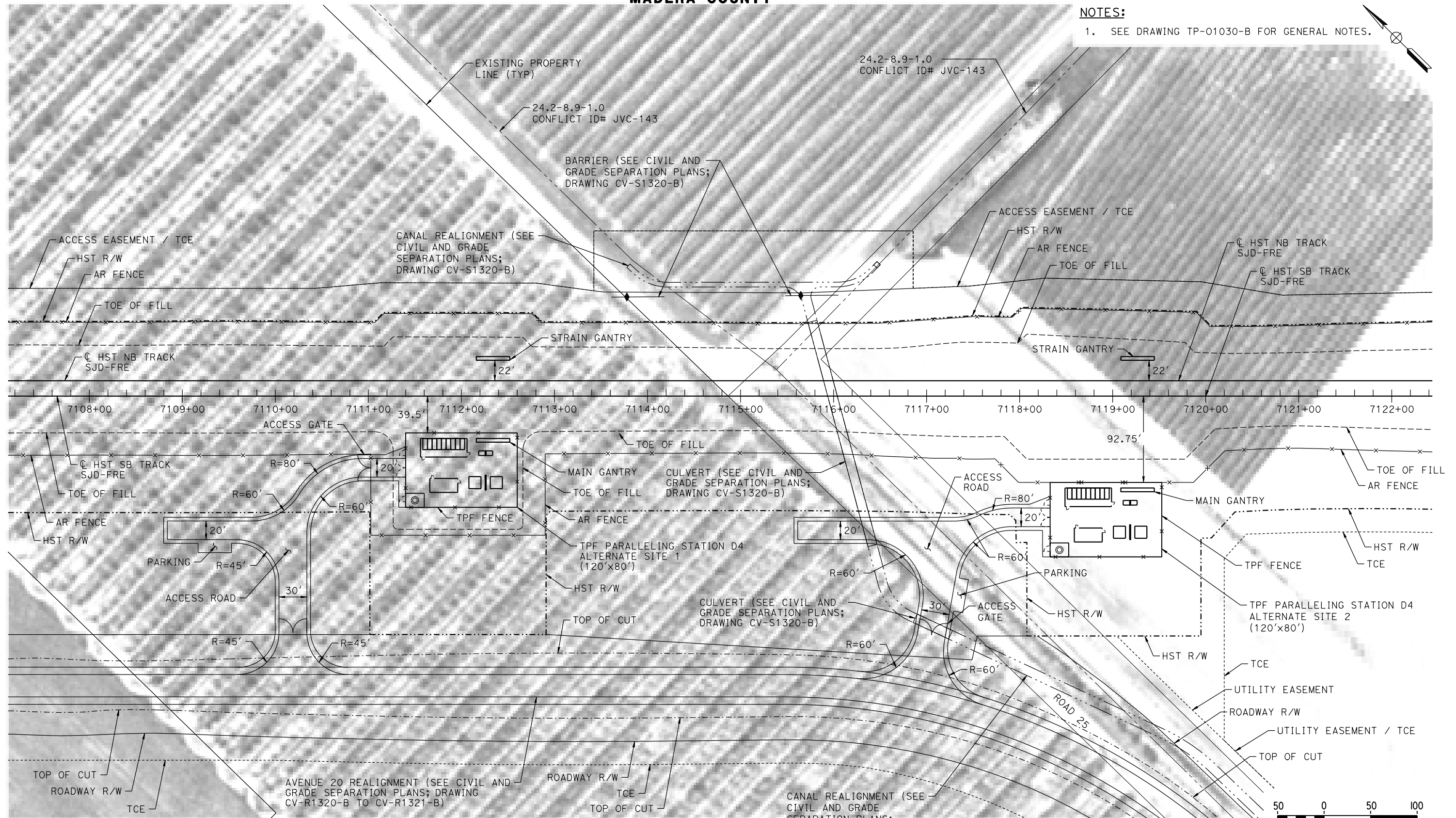
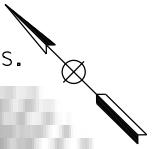
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AS SHOWN

SHEET NO.

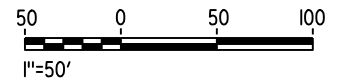
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:42 MF-TP-01320-B.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



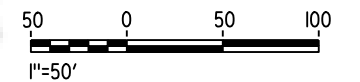
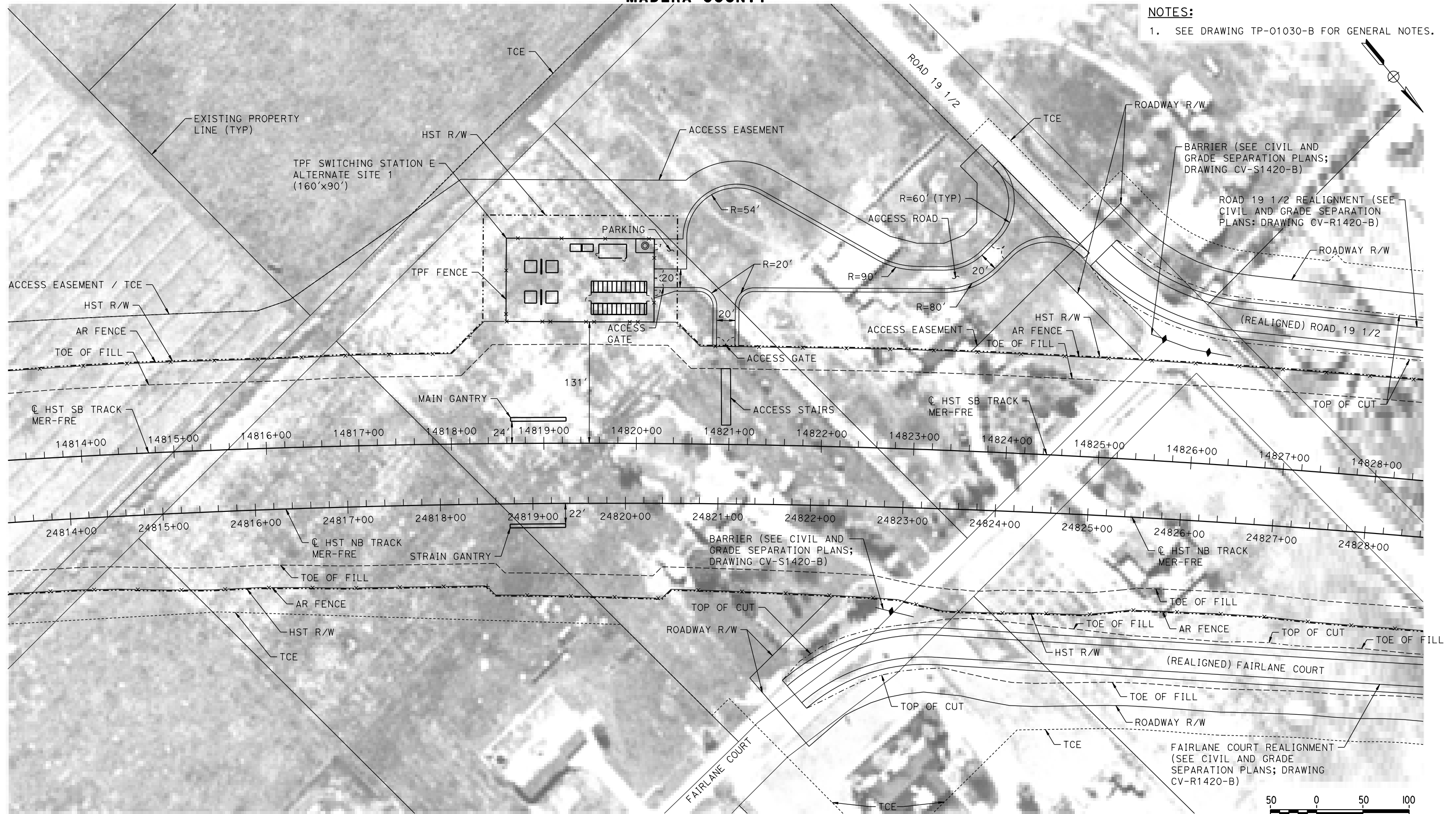
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

10-MAR-2016 8:02 MF-TP-01420-B.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

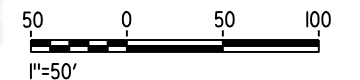
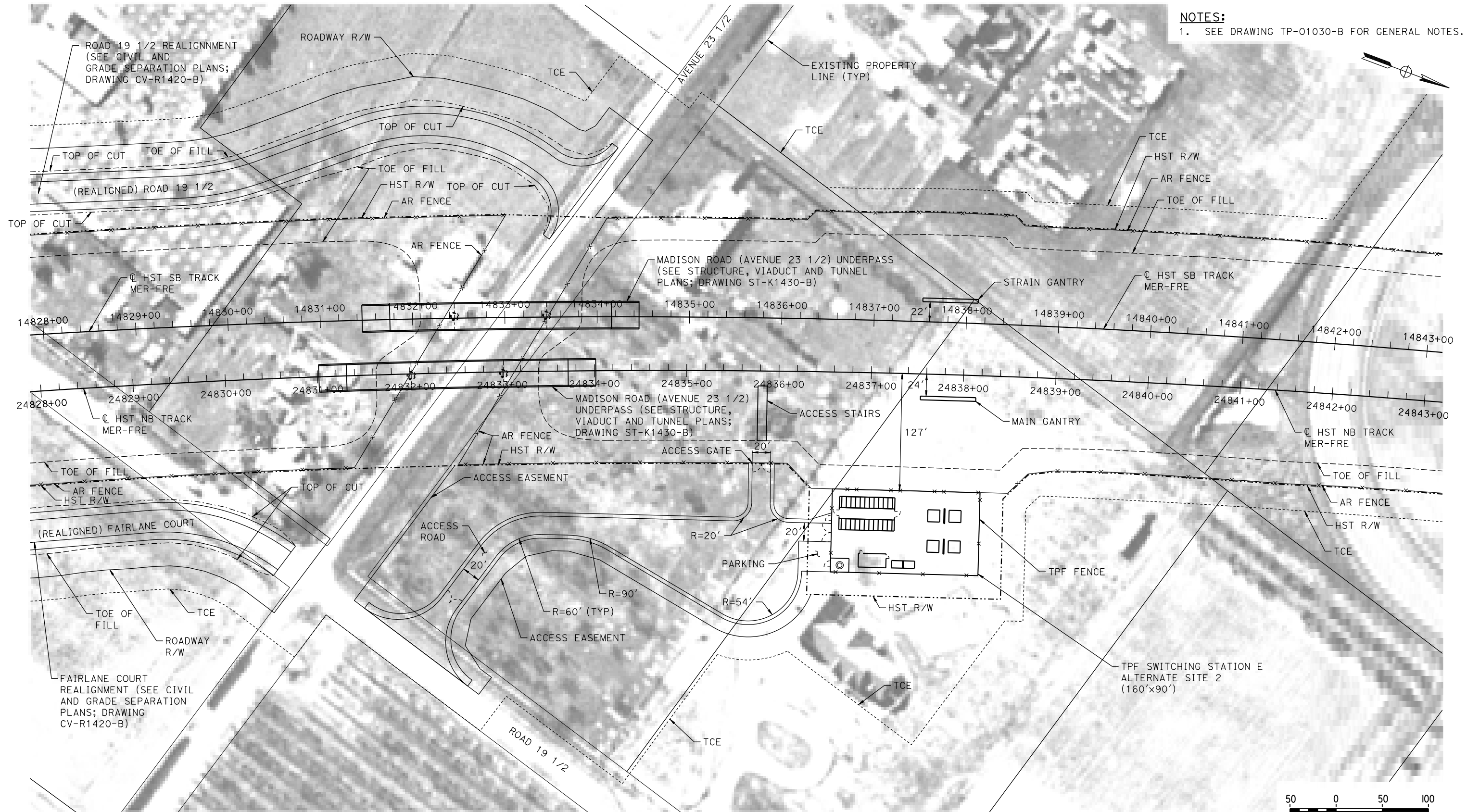


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01420-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN

18-MAR-2016 09:42 MF-TP-01430-B.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



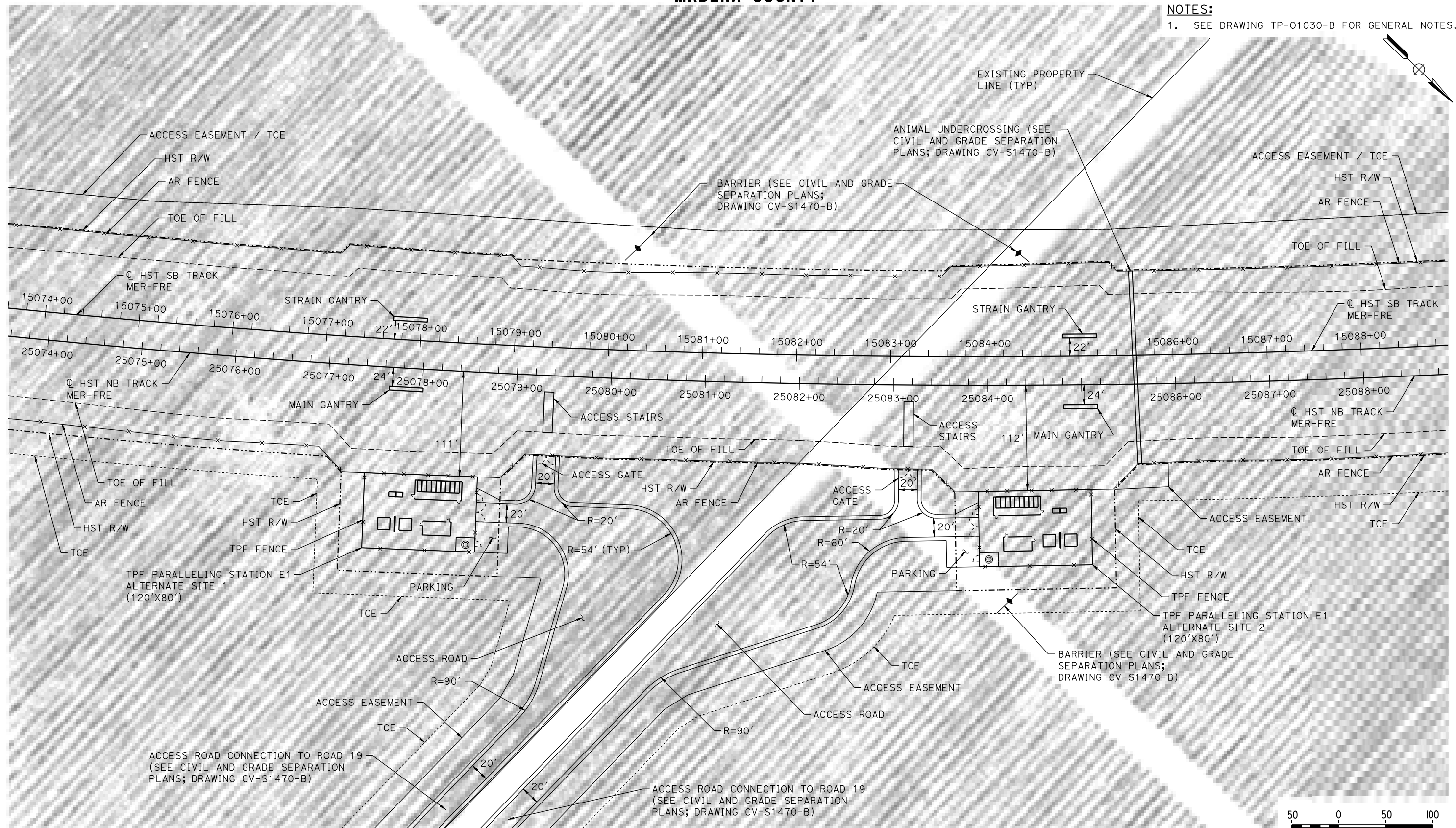
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 2

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

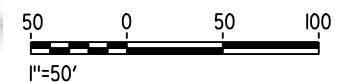
MADERA COUNTY

NOTES:

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



PLAN



10-MAR-2016 8:03 MF-TP-01470-B.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



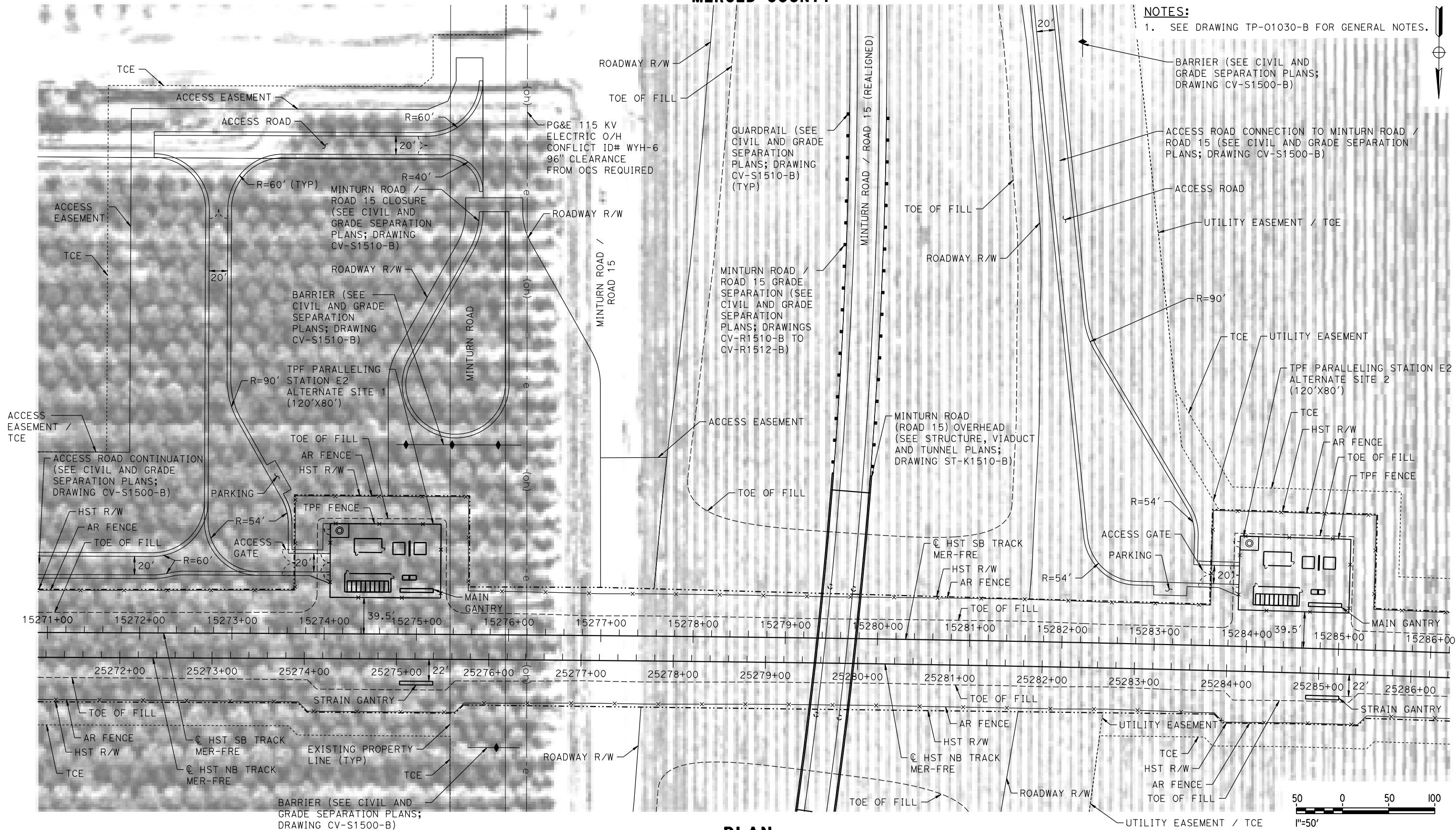
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01470-B
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 5:28 MF-TP-01510-B.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
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SUBMITTAL

NOT FOR
CONSTRUCTION

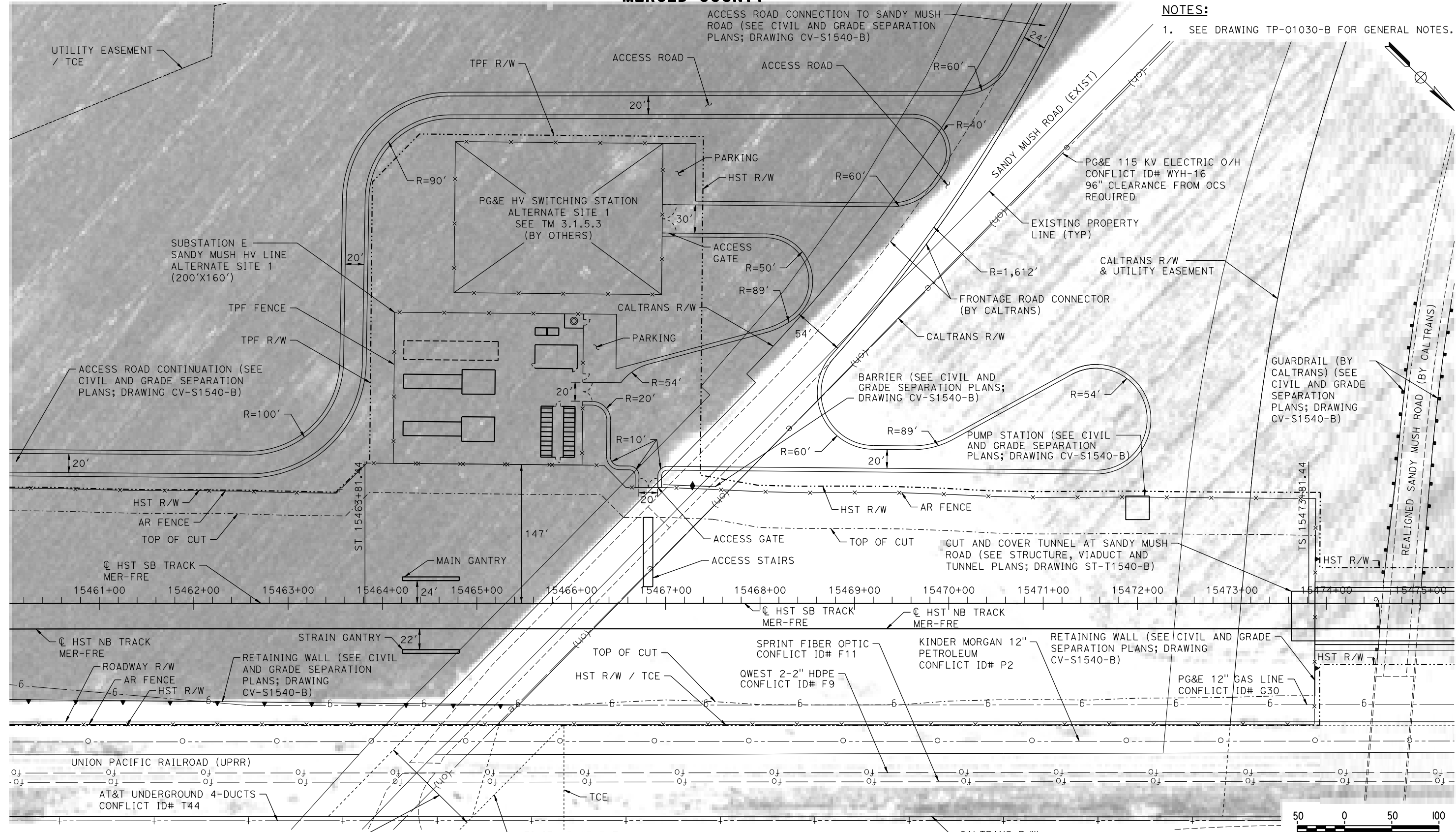


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITES 1 & 2

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

MERCED COUNTY



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

PLAN

18-MAR-2016 09:43 MF-TP-01540-B.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



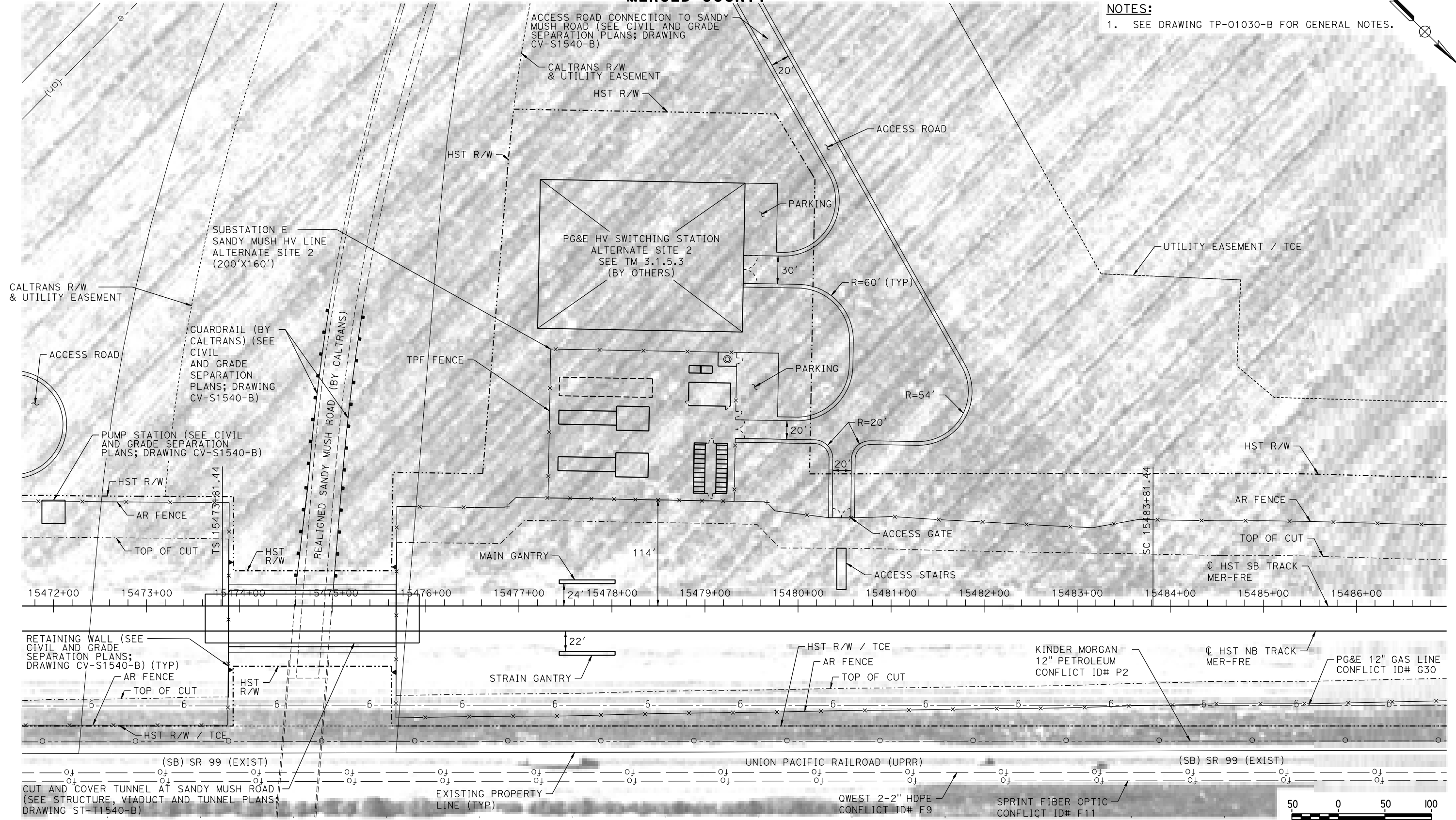
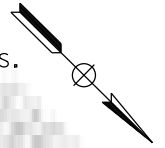
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION E (SANDY MUSH) ALTERNATE SITE 1

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

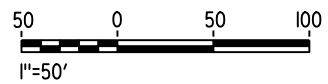
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:43 MF-TP-01541-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION E (SANDY MUSH) ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01541-B

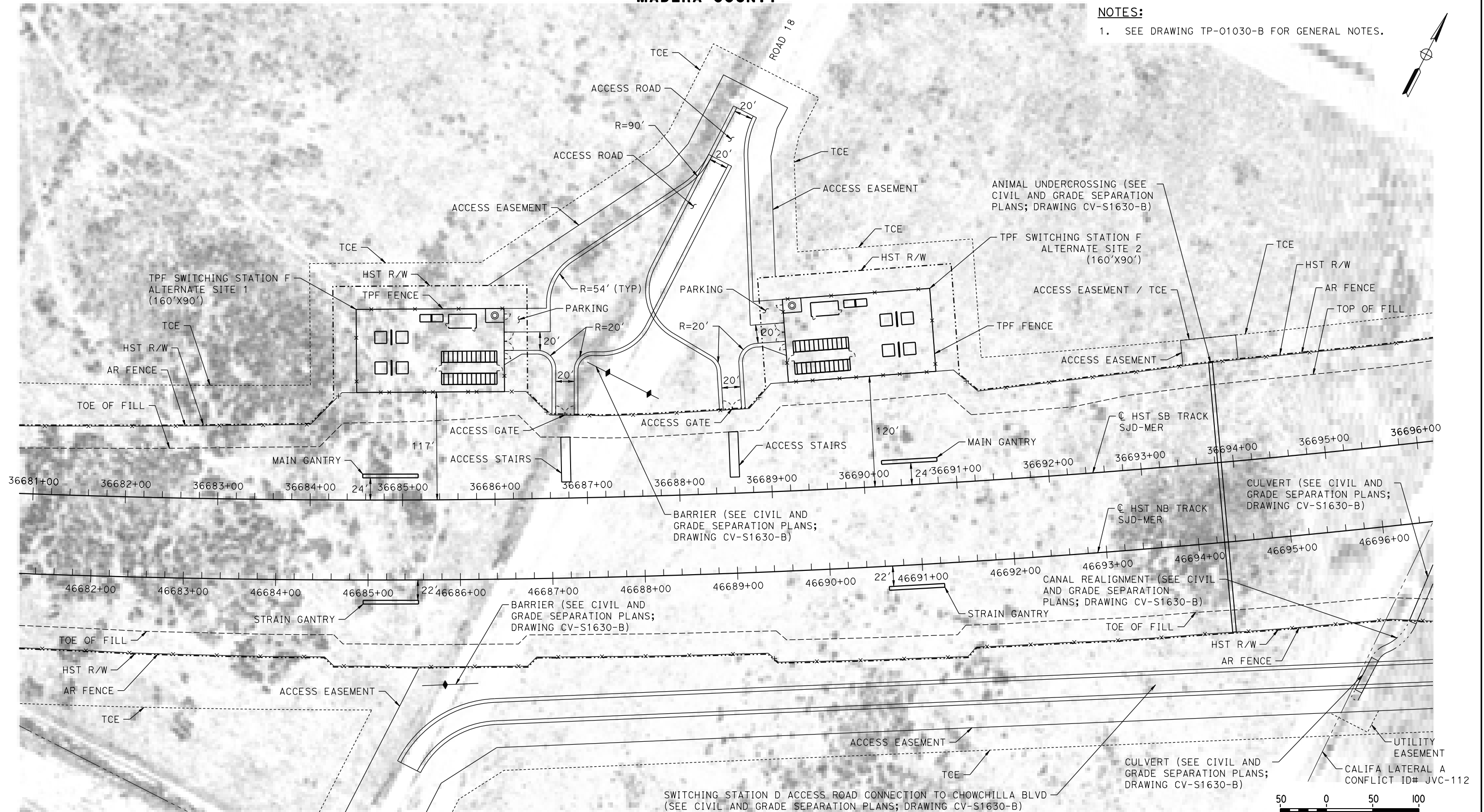
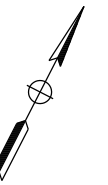
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

08-MAR-2016 1:36 MF-TP-01630-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

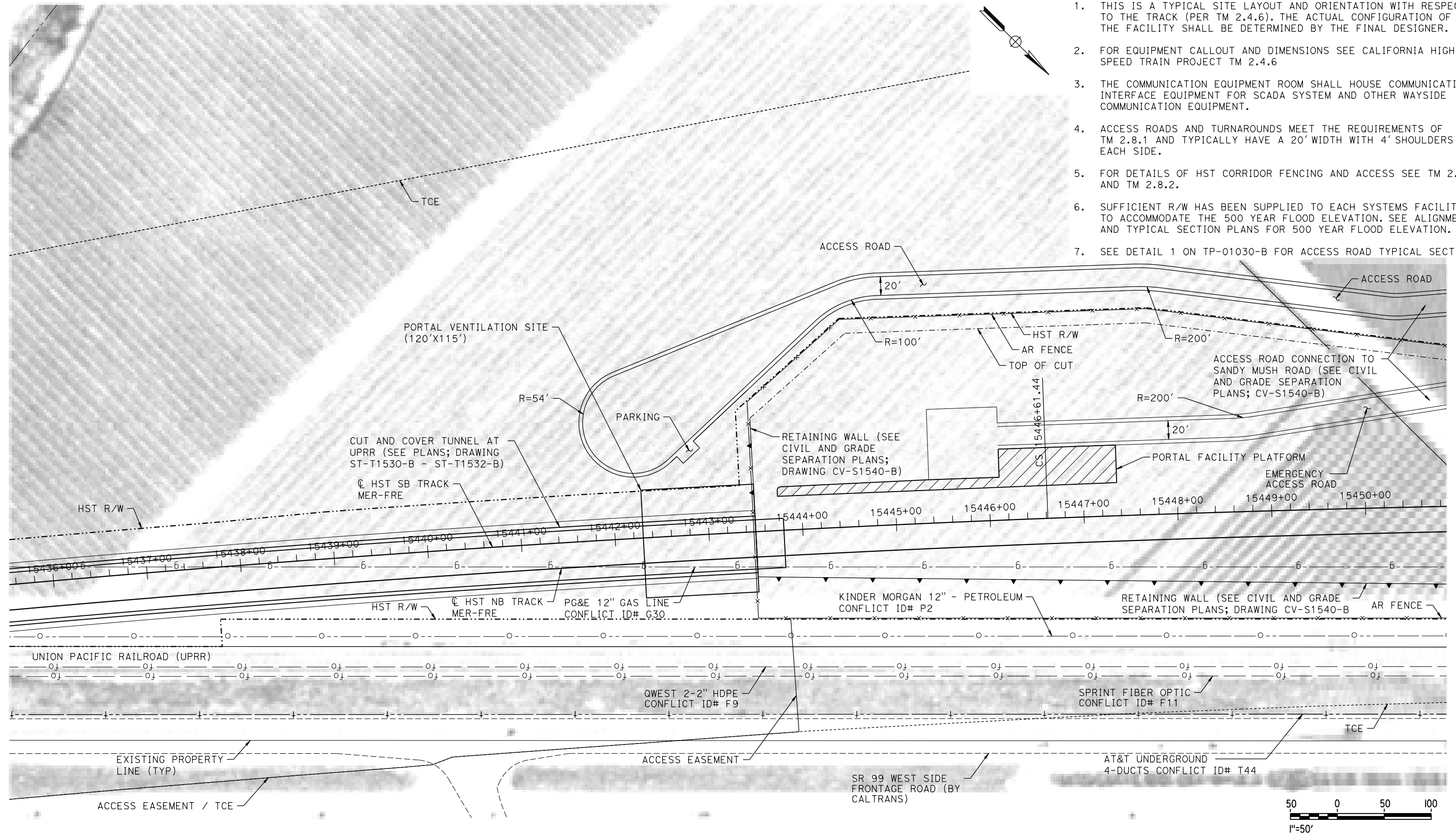
DRAWING NO.
TP-01630-B

SCALE
AS SHOWN

SHEET NO.

GENERAL NOTES:

1. THIS IS A TYPICAL SITE LAYOUT AND ORIENTATION WITH RESPECT TO THE TRACK (PER TM 2.4.6). THE ACTUAL CONFIGURATION OF THE FACILITY SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. FOR EQUIPMENT CALLOUT AND DIMENSIONS SEE CALIFORNIA HIGH SPEED TRAIN PROJECT TM 2.4.6
3. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT.
4. ACCESS ROADS AND TURNAROUNDS MEET THE REQUIREMENTS OF TM 2.8.1 AND TYPICALLY HAVE A 20' WIDTH WITH 4' SHOULDERS ON EACH SIDE.
5. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND TM 2.8.2.
6. 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.
7. SEE DETAIL 1 ON TP-01030-B FOR ACCESS ROAD TYPICAL SECTION.



18-MAR-2016 09:43 MF-ME-S1540-B.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

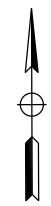
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
MECHANICAL FACILITY SITE PLAN
PORTAL VENTILATION SITE @ 15443+00

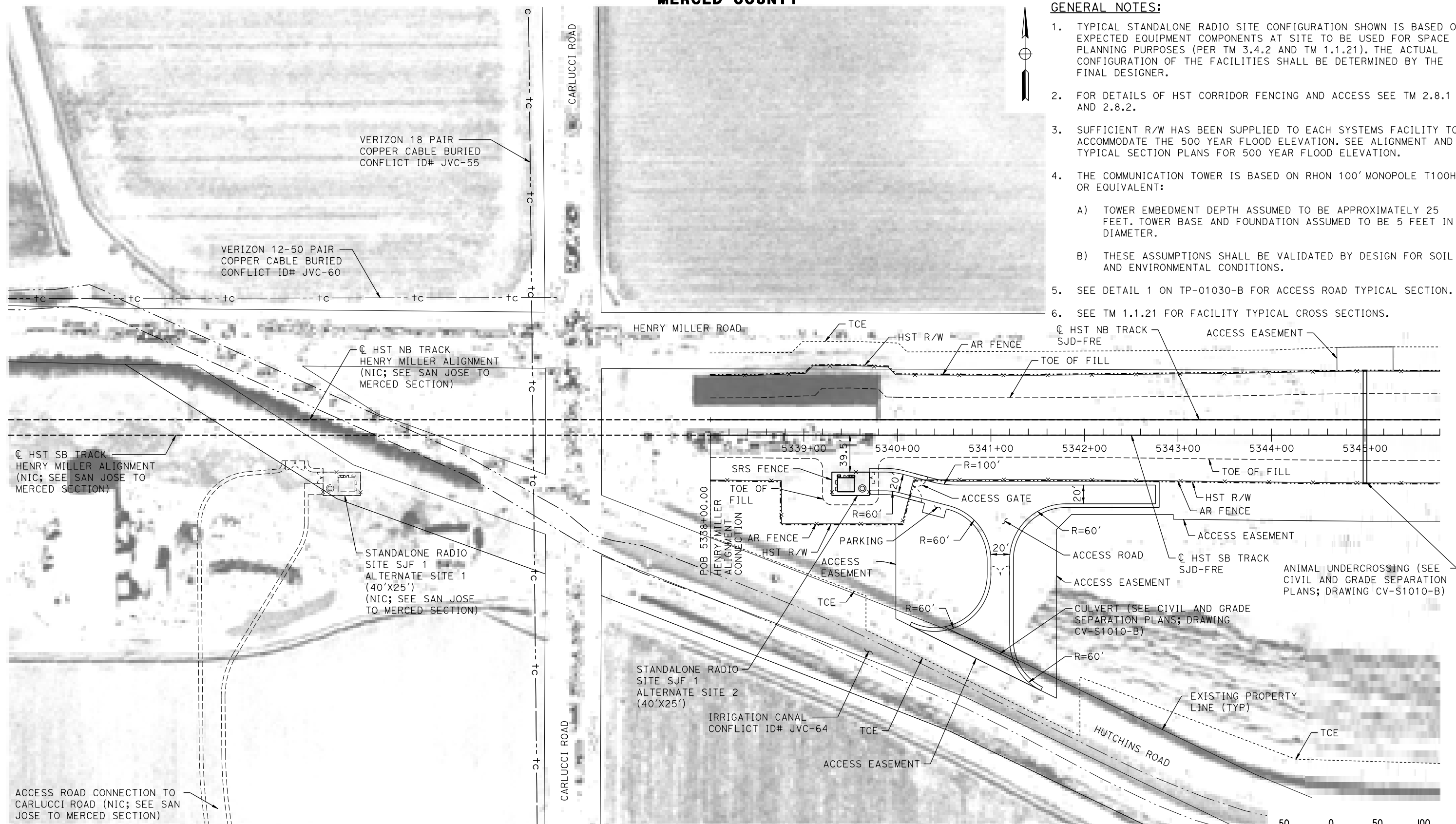
CONTRACT NO.
HSR08-05
DRAWING NO.
ME-S1540-B
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

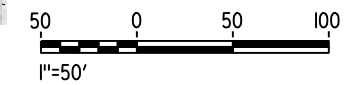


GENERAL NOTES:

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. 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.
5. SEE DETAIL 1 ON TP-01030-B FOR ACCESS ROAD TYPICAL SECTION.
6. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN



08-MAR-2016 11:11 MF-CO-F1010-B.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

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1010-B

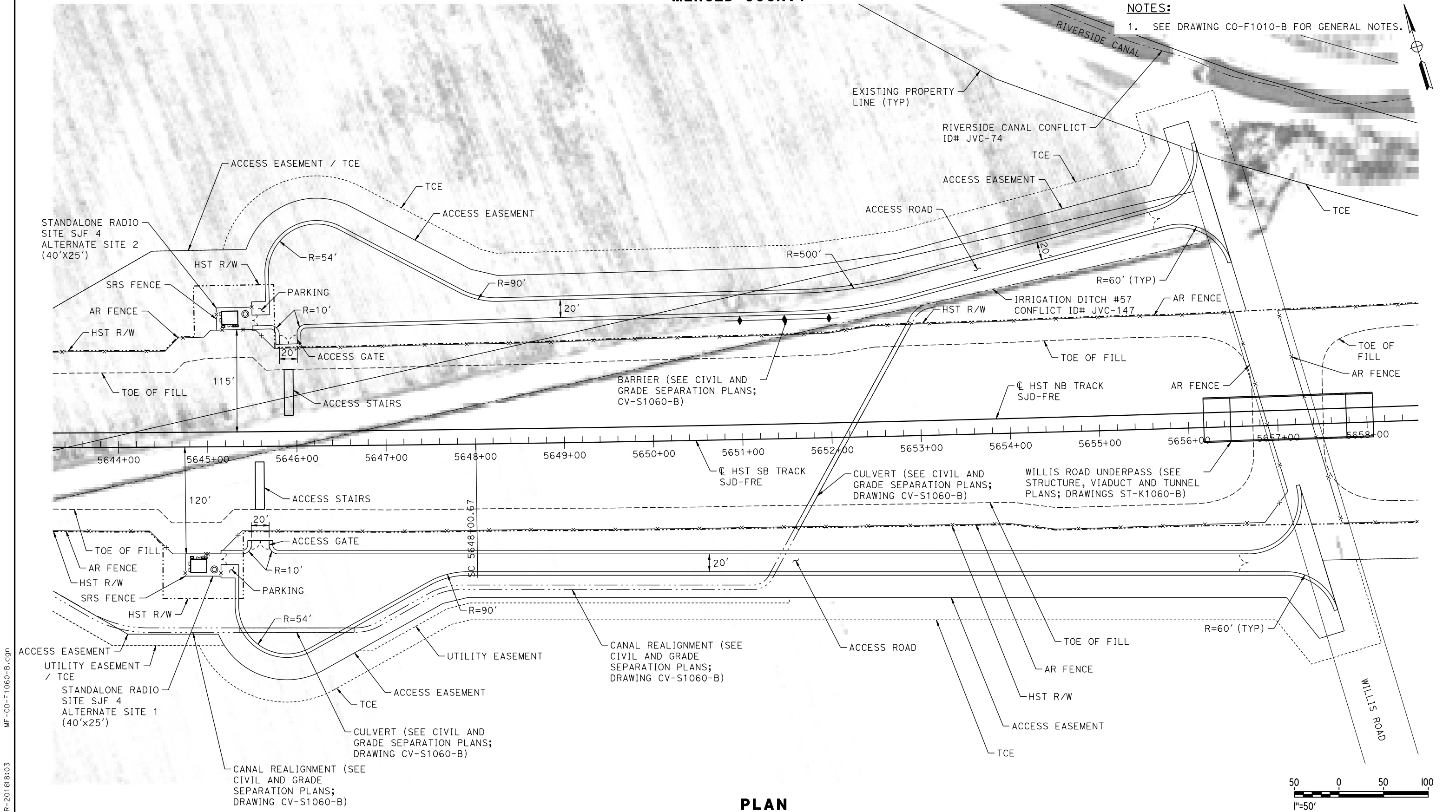
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SHEET NO.

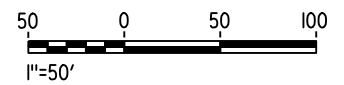
MERCED COUNTY

NOTES:

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



PLAN



10-MAR-2016 8:03 MF-CO-F1060-B.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
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1060-B

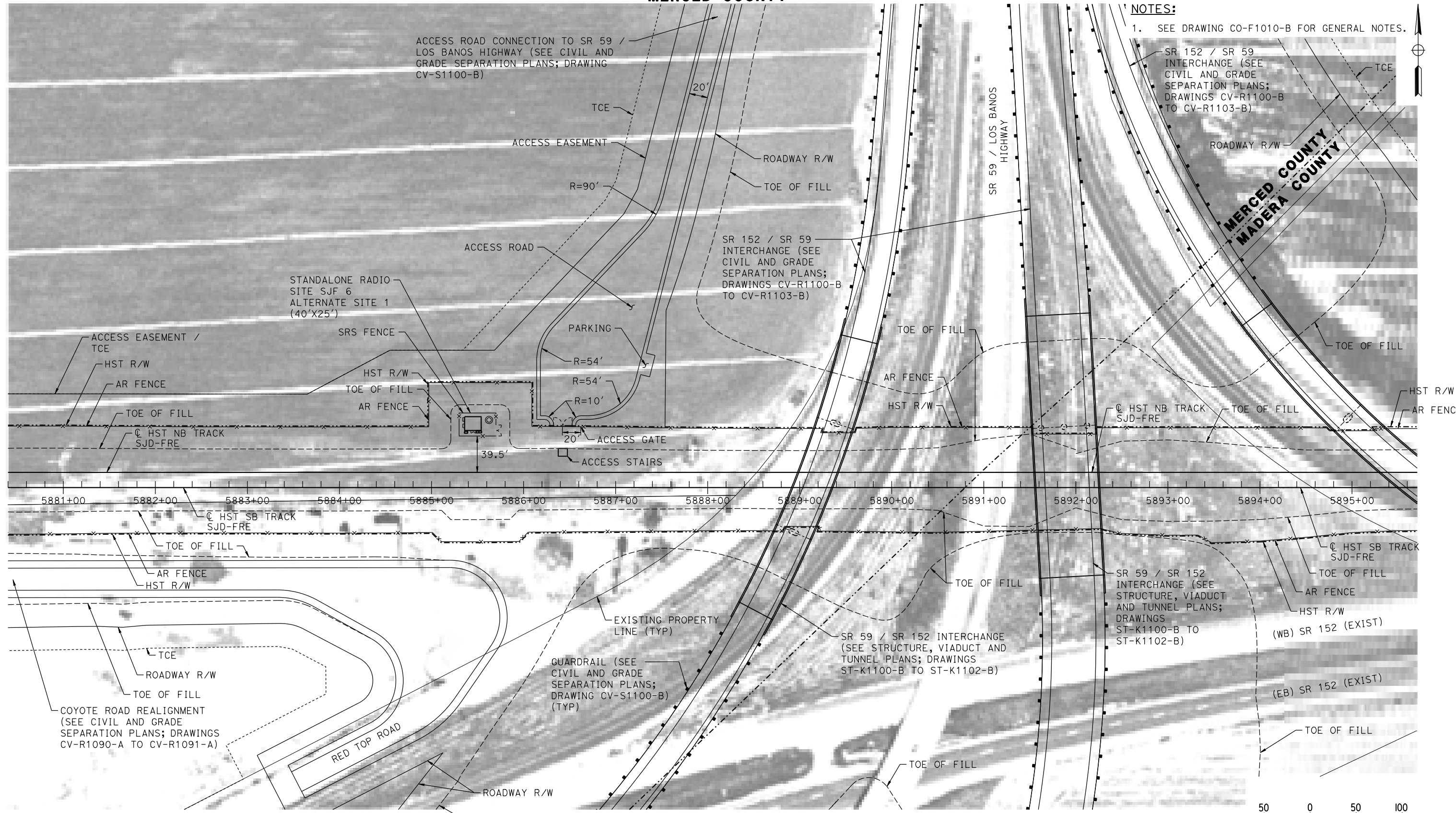
SCALE
AS SHOWN

SHEET NO.

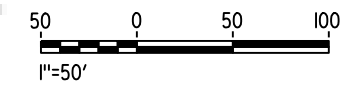
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 5:27 MF-CO-F1100-B.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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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 6 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1100-B

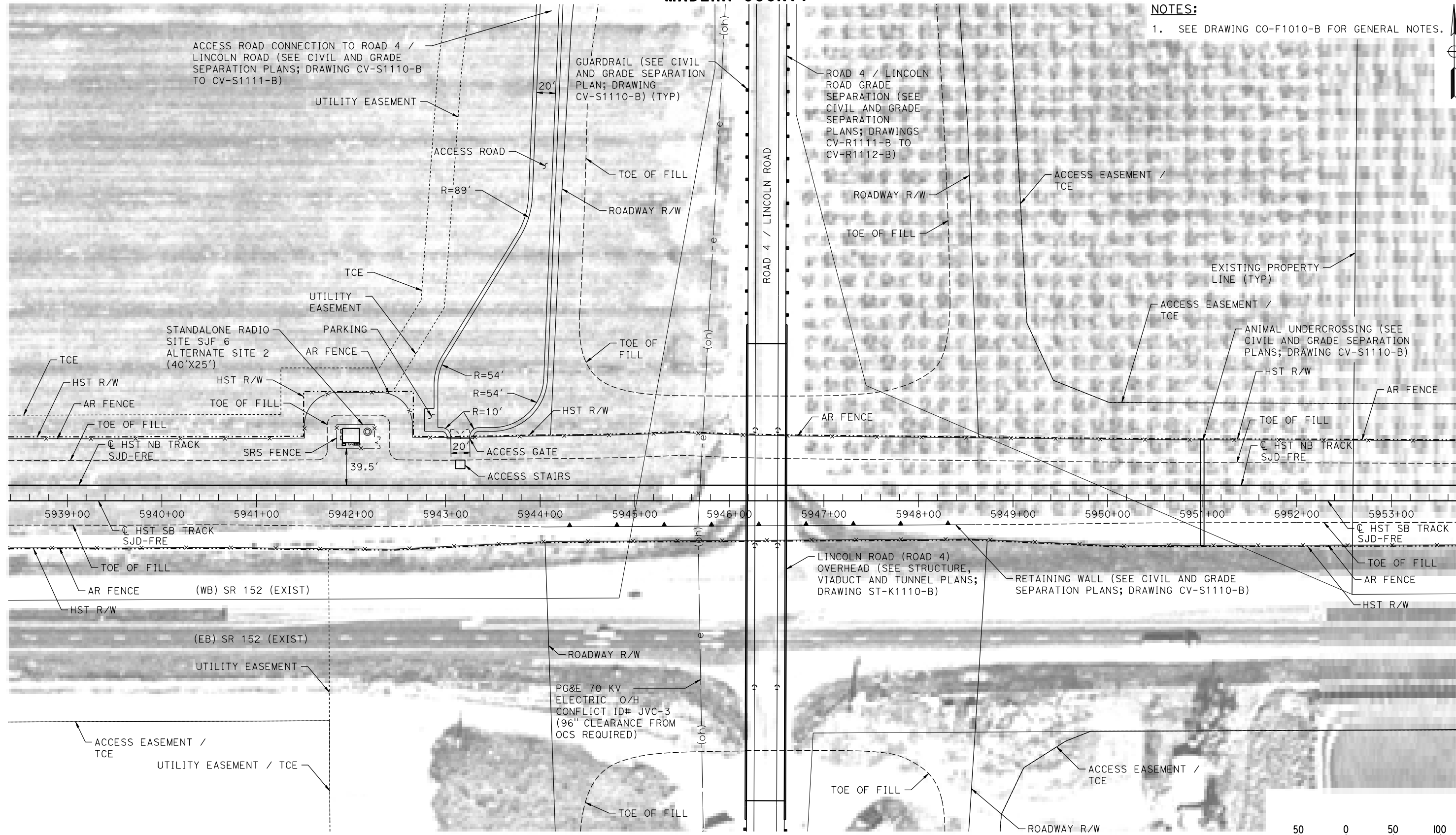
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AS SHOWN

SHEET NO.

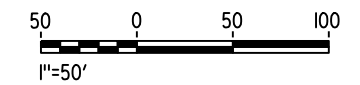
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:44 MF-CO-F1110-B.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**

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CONSTRUCTION**



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

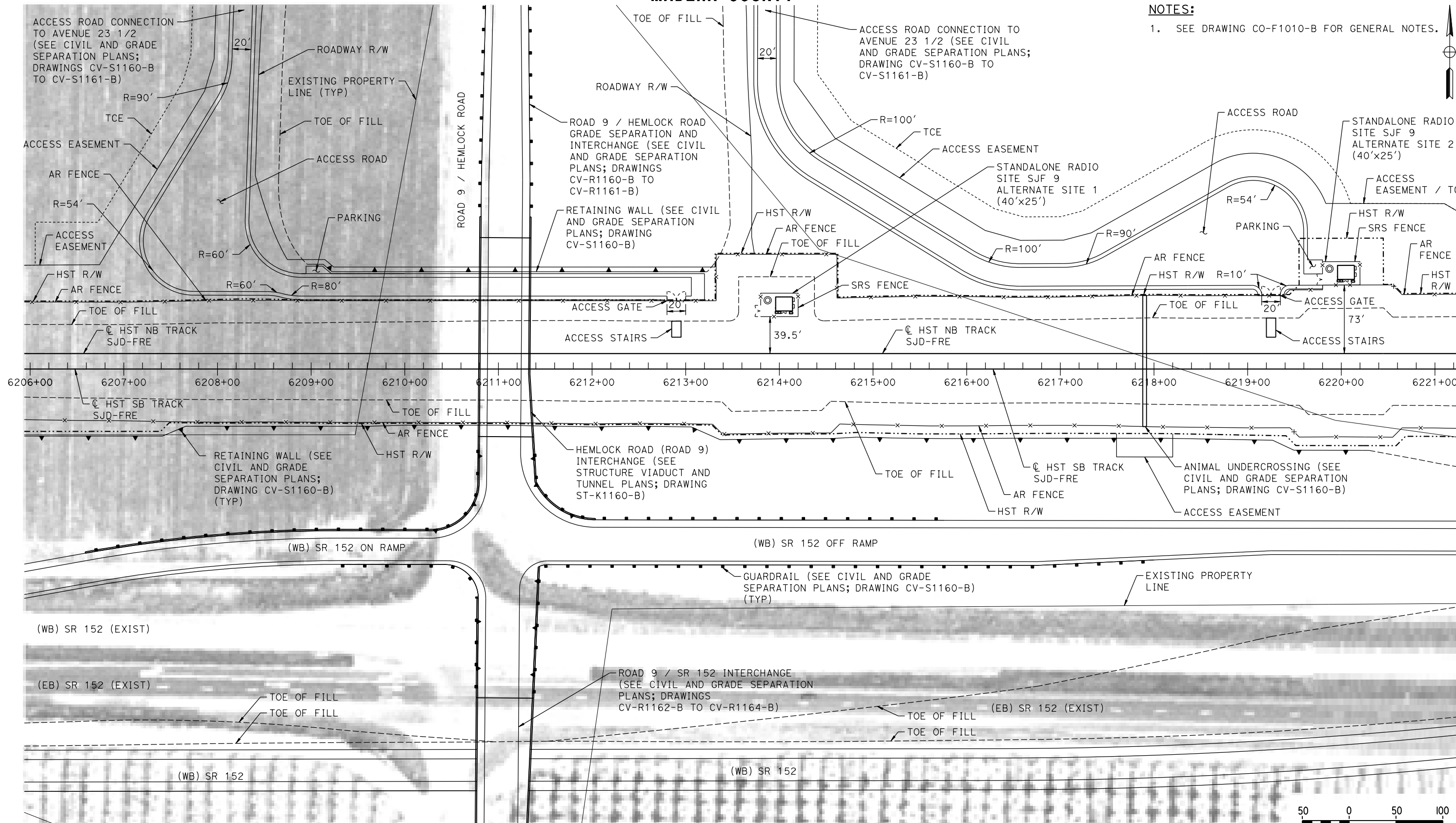
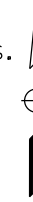
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 6 ALTERNATE SITE 2

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

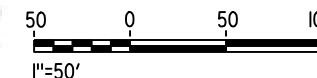
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 09:44 MF-CO-F1160-B.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

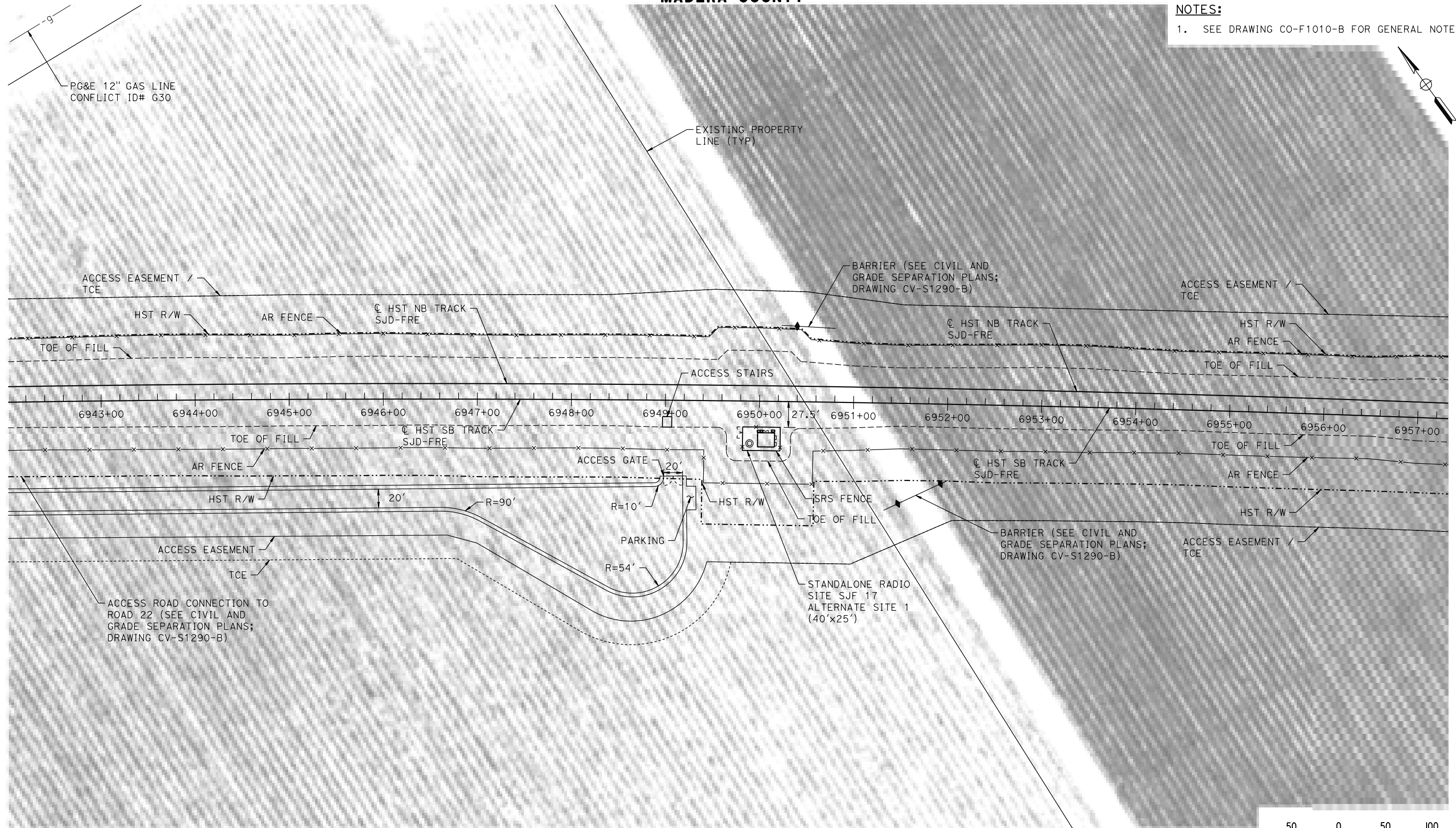
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 9 ALTERNATES SITES 1 & 2

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

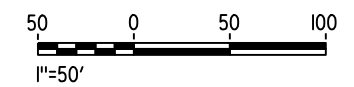
MADERA COUNTY

NOTES:

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



PLAN



08-MAR-2016 11:14 MF-CO-F1290-B.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
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



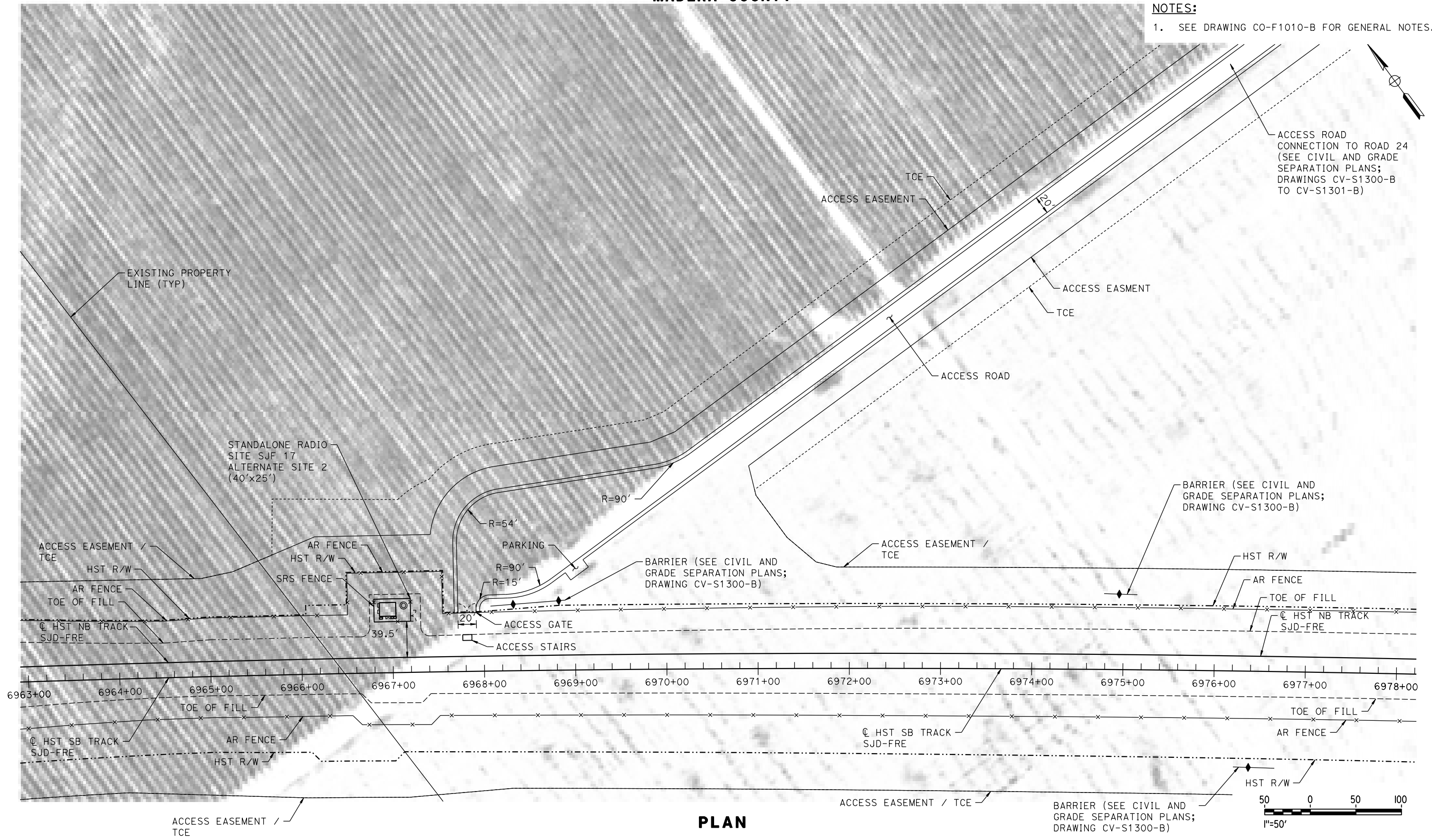
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 17 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1290-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

10-MAR-2016 8:04 MF-CO-F1300-B.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



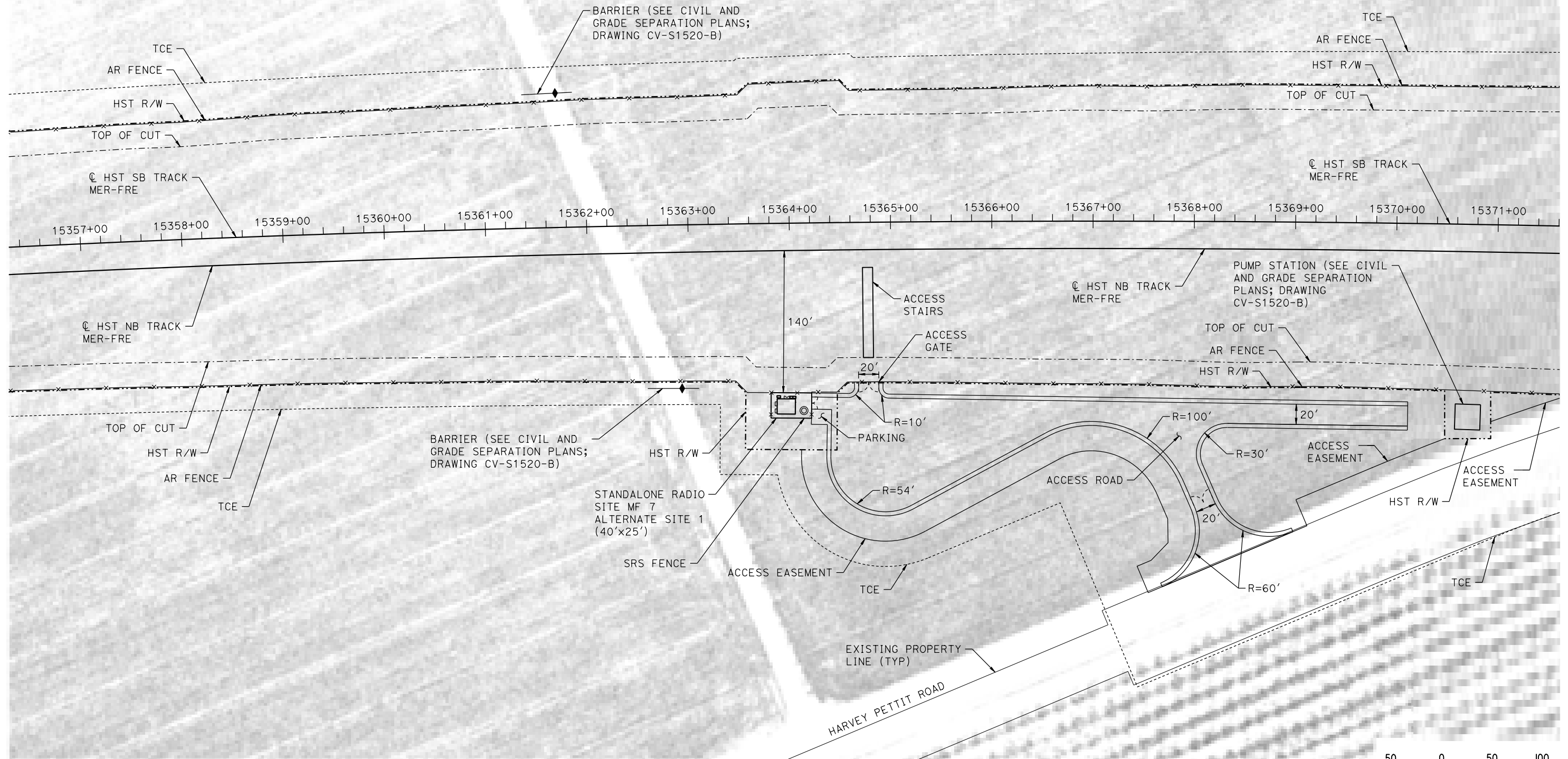
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 17 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1300-B
SCALE
AS SHOWN
SHEET NO.

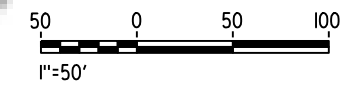
MERCED COUNTY

NOTES:

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



PLAN



08-MAR-2016 11:15 MF-CO-F1520-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 7 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1520-B

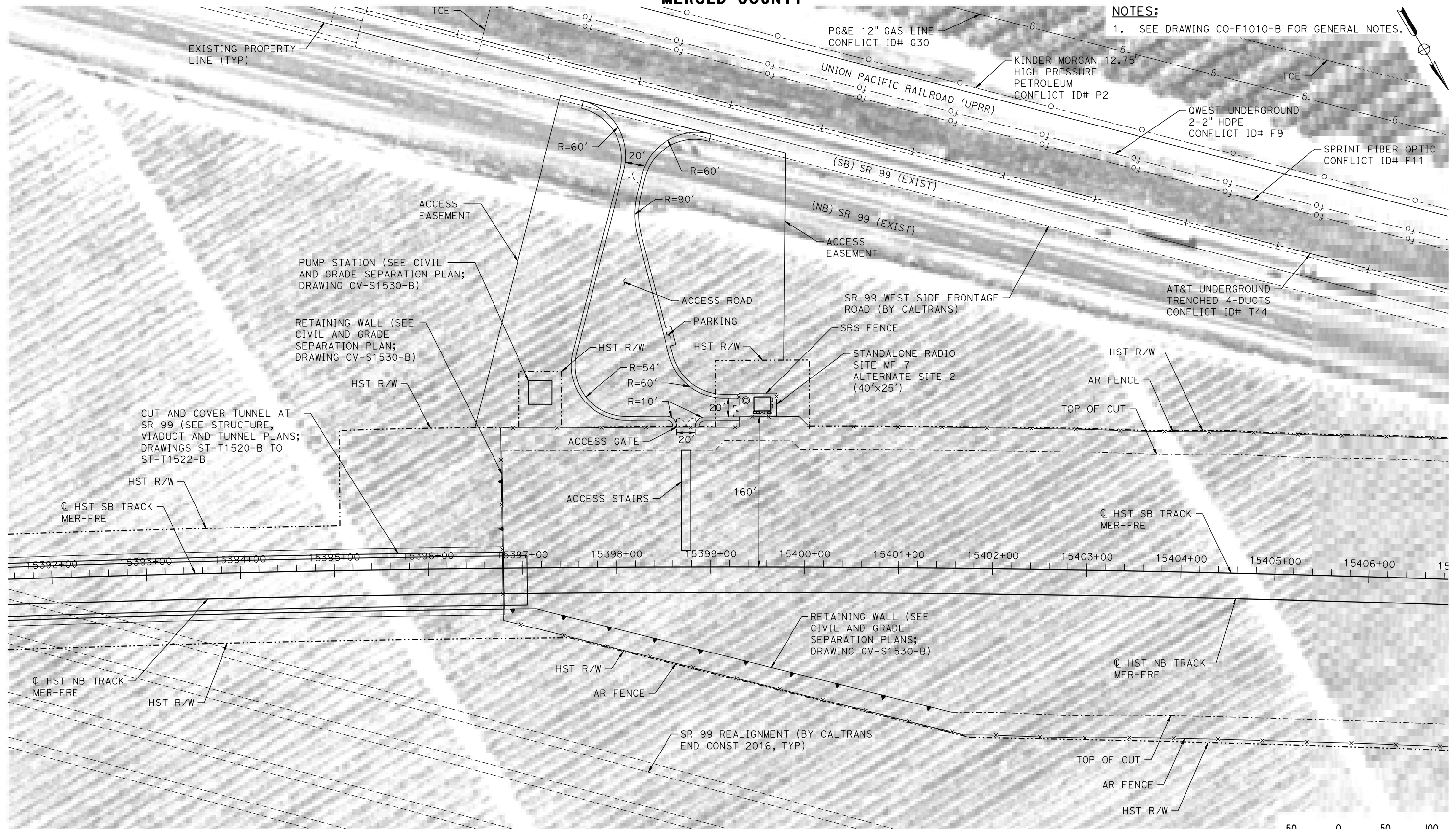
SCALE
AS SHOWN

SHEET NO.

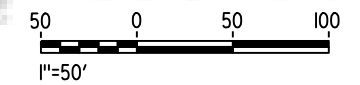
MERCED COUNTY

NOTES:

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



PLAN



08-MAR-2016 11:16 MF-CO-F1530-B.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



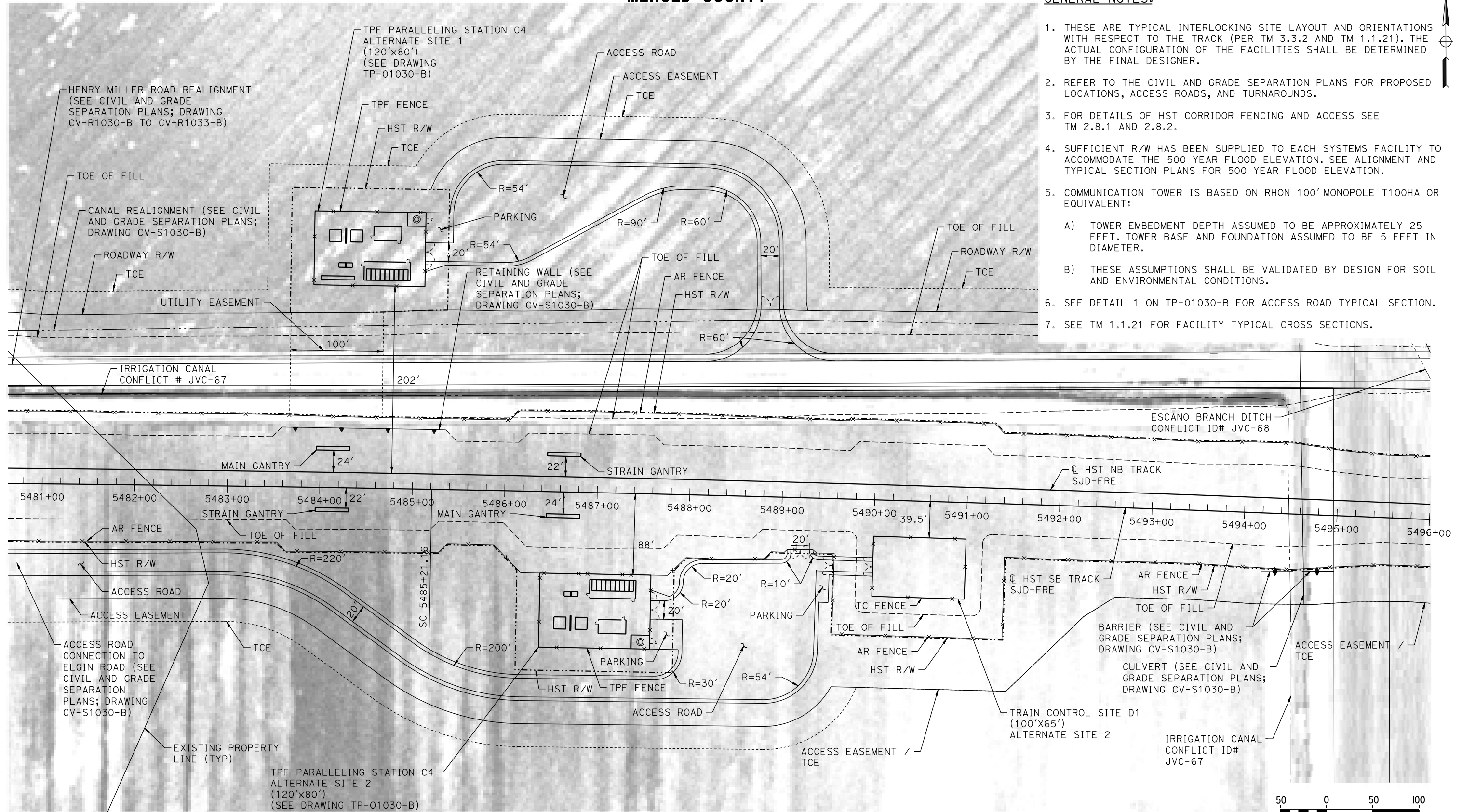
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 7 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
CO-F1530-B
SCALE
AS SHOWN
SHEET NO.

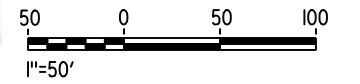
MERCED COUNTY

GENERAL NOTES:

1. THESE ARE TYPICAL INTERLOCKING SITE LAYOUT 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-B FOR ACCESS ROAD TYPICAL SECTION.
7. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN



18-MAR-2016 09:45 MF-TC-F1030-B.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

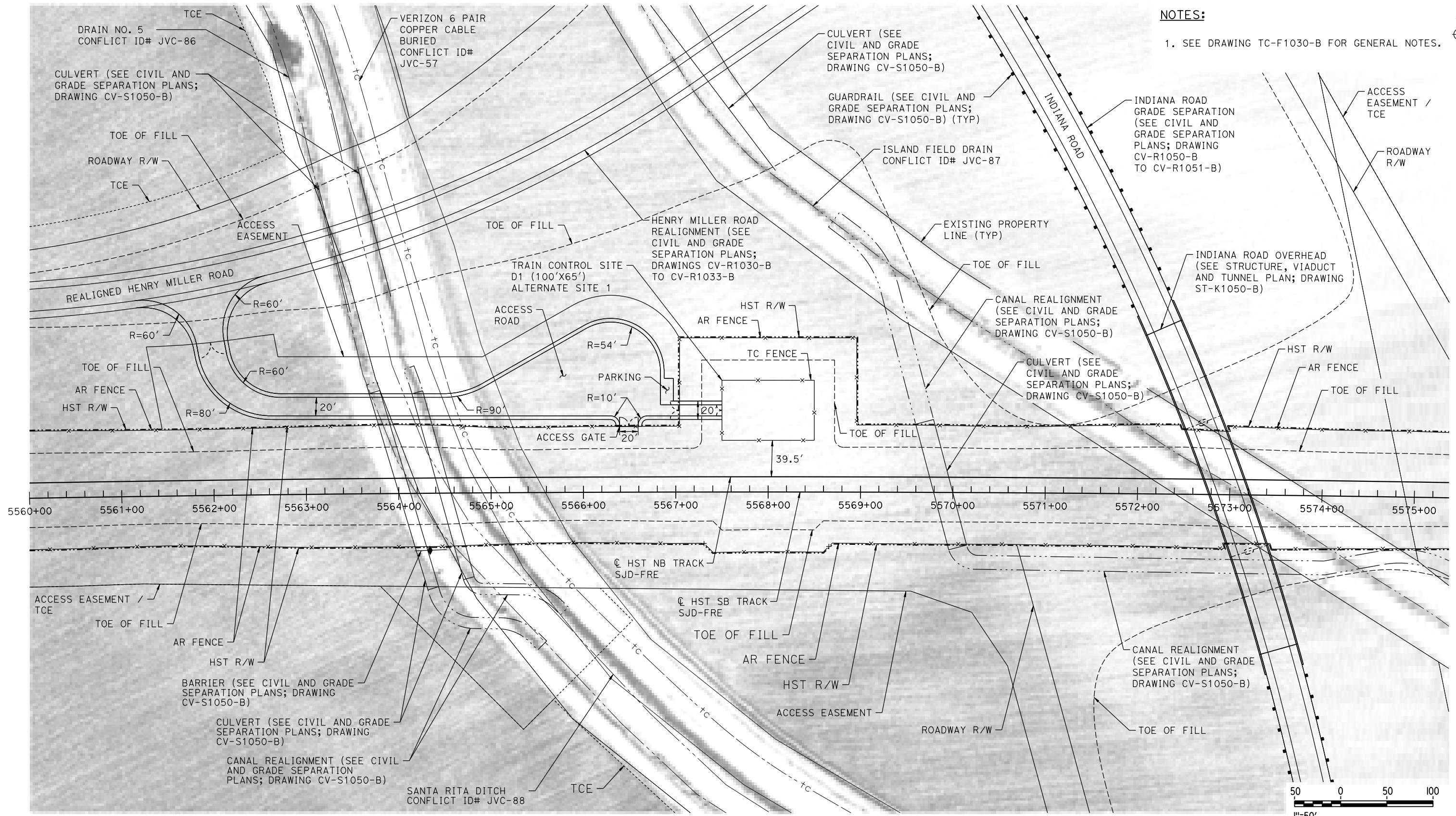


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 2

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

MERCED COUNTY

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



PLAN

10-MAR-2016 8:05 MF-TC-F1050-B.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



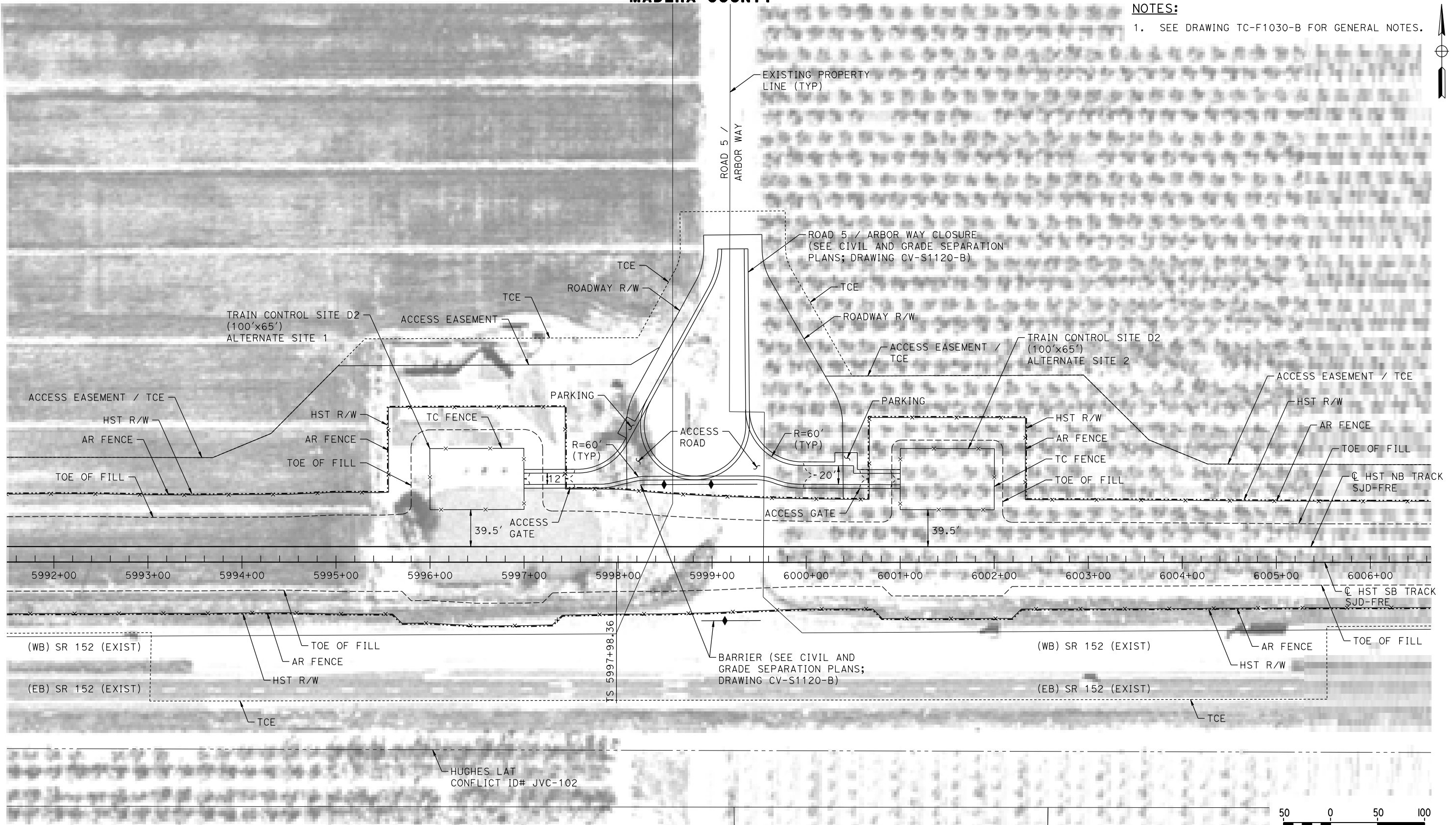
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 1

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

MADERA COUNTY

NOTES:

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



PLAN

08-MAR-2016 11:19 MF-TC-F1120-B.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

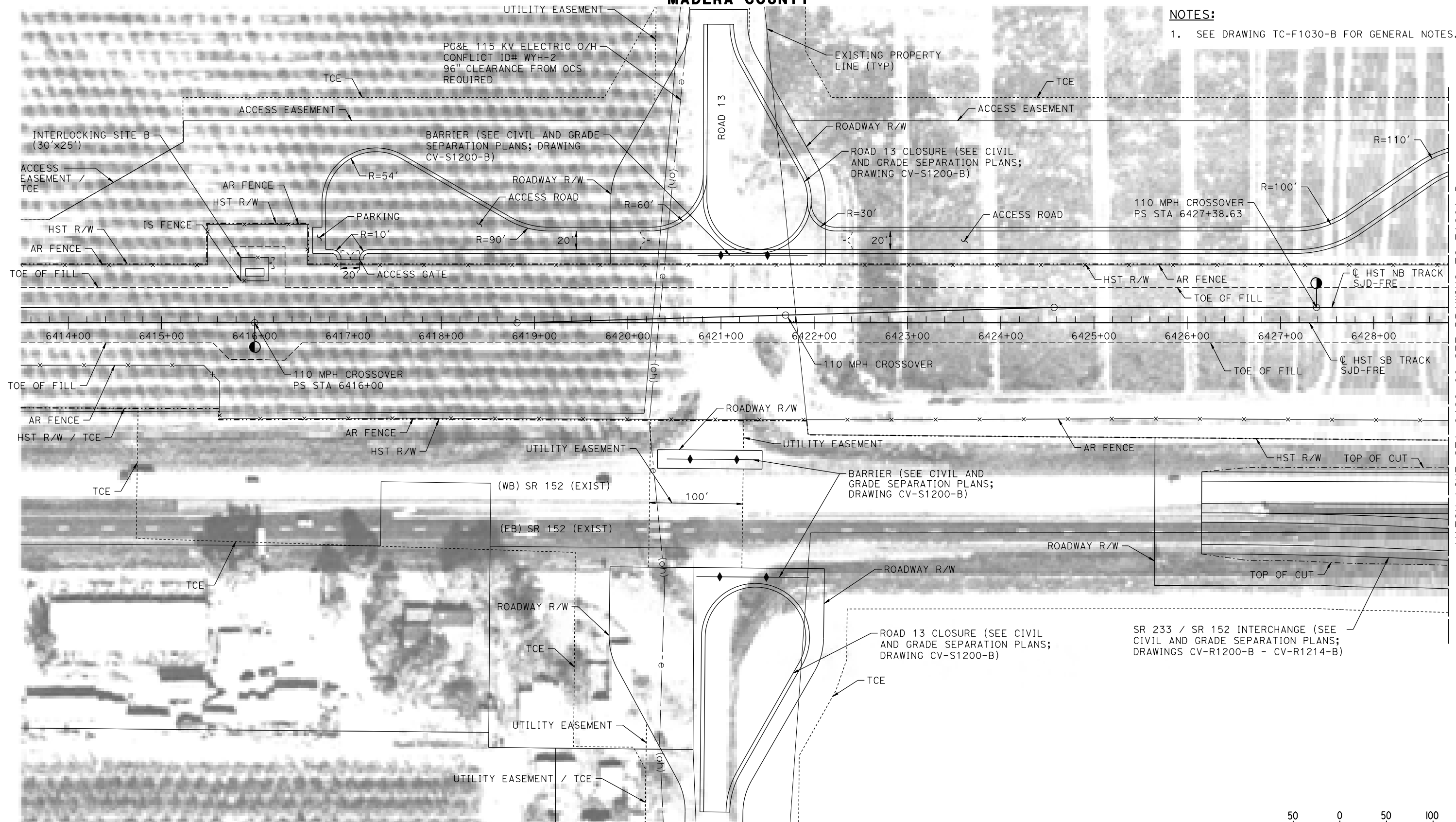


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2

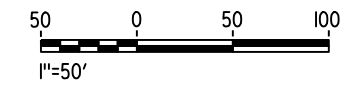
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1120-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



18-MAR-2016 09:45 MF-TC-F1200-B.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



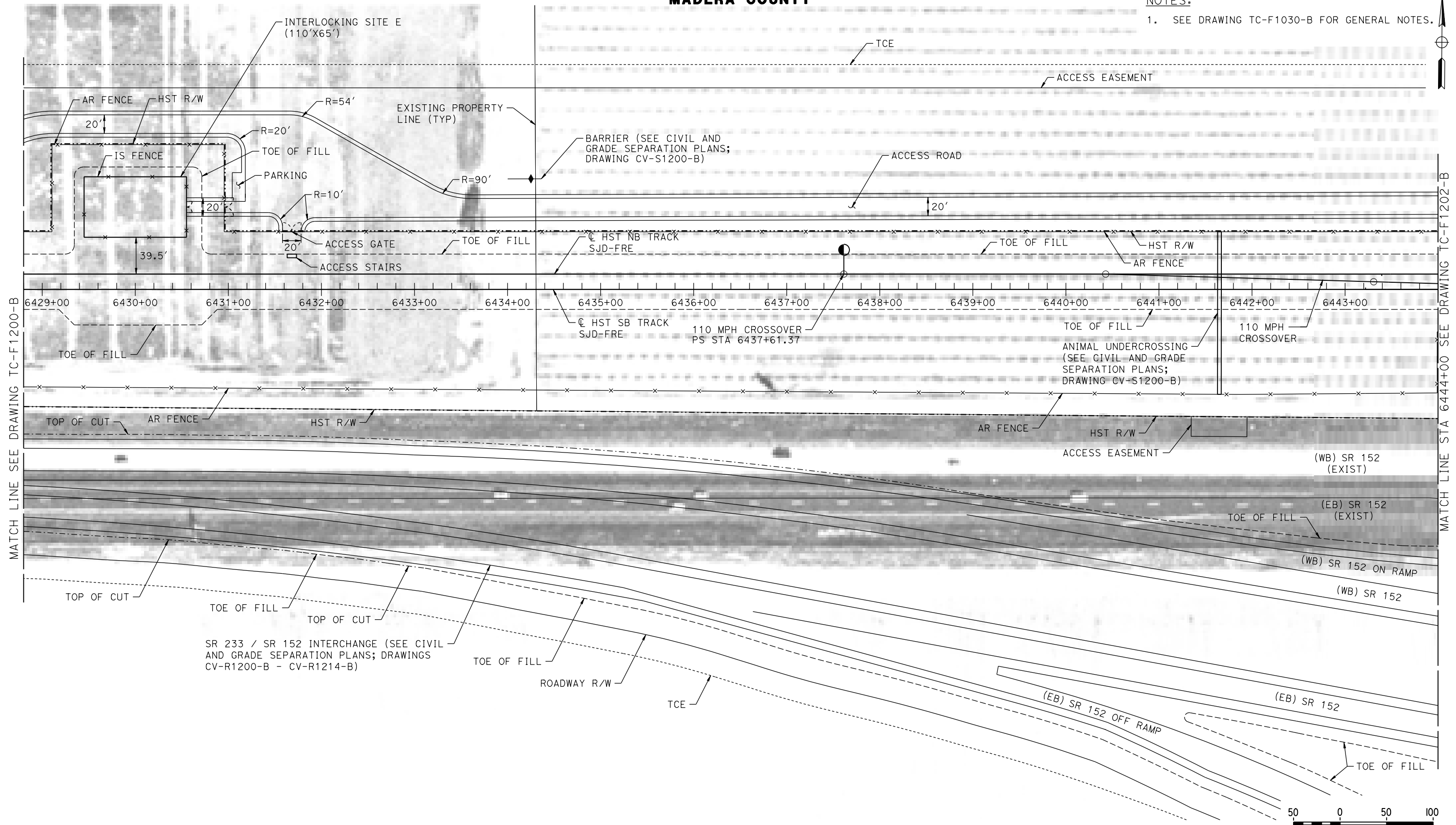
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6416+00

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

MADERA COUNTY

NOTES:

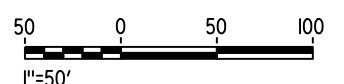
1. SEE DRAWING TC-F1030-B FOR GENERAL NOTES.



MATCH LINE SEE DRAWING TC-F1200-B

MATCH LINE STA 6444+00 SEE DRAWING TC-F1202-B

PLAN



18-MAR-2016 09:45 MF-TC-F1201-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6430+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1201-B

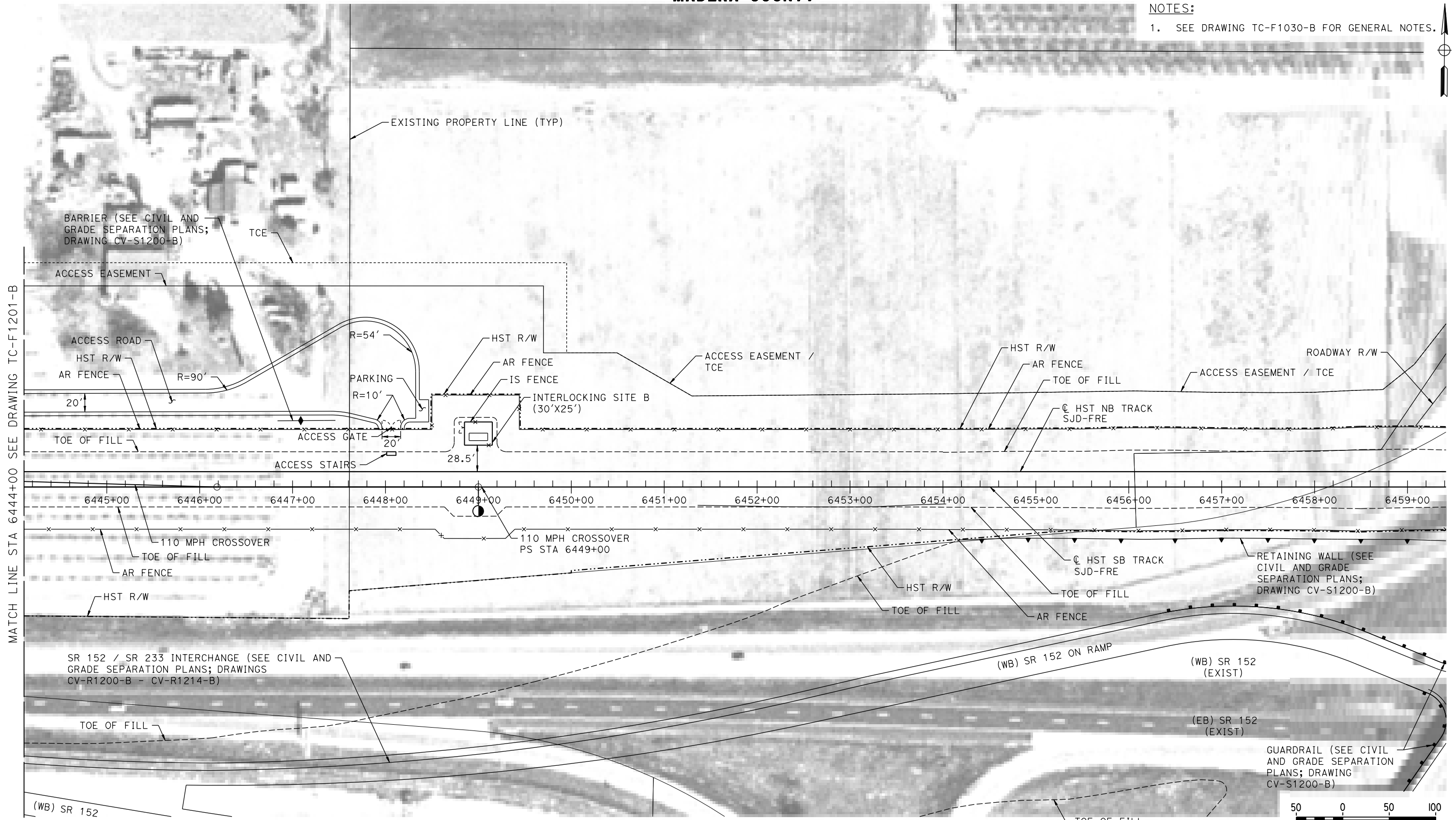
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

10-MAR-2016 8:05 MF-TC-F1202-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6449+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1202-B

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:46 MF-TC-F1230-B.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



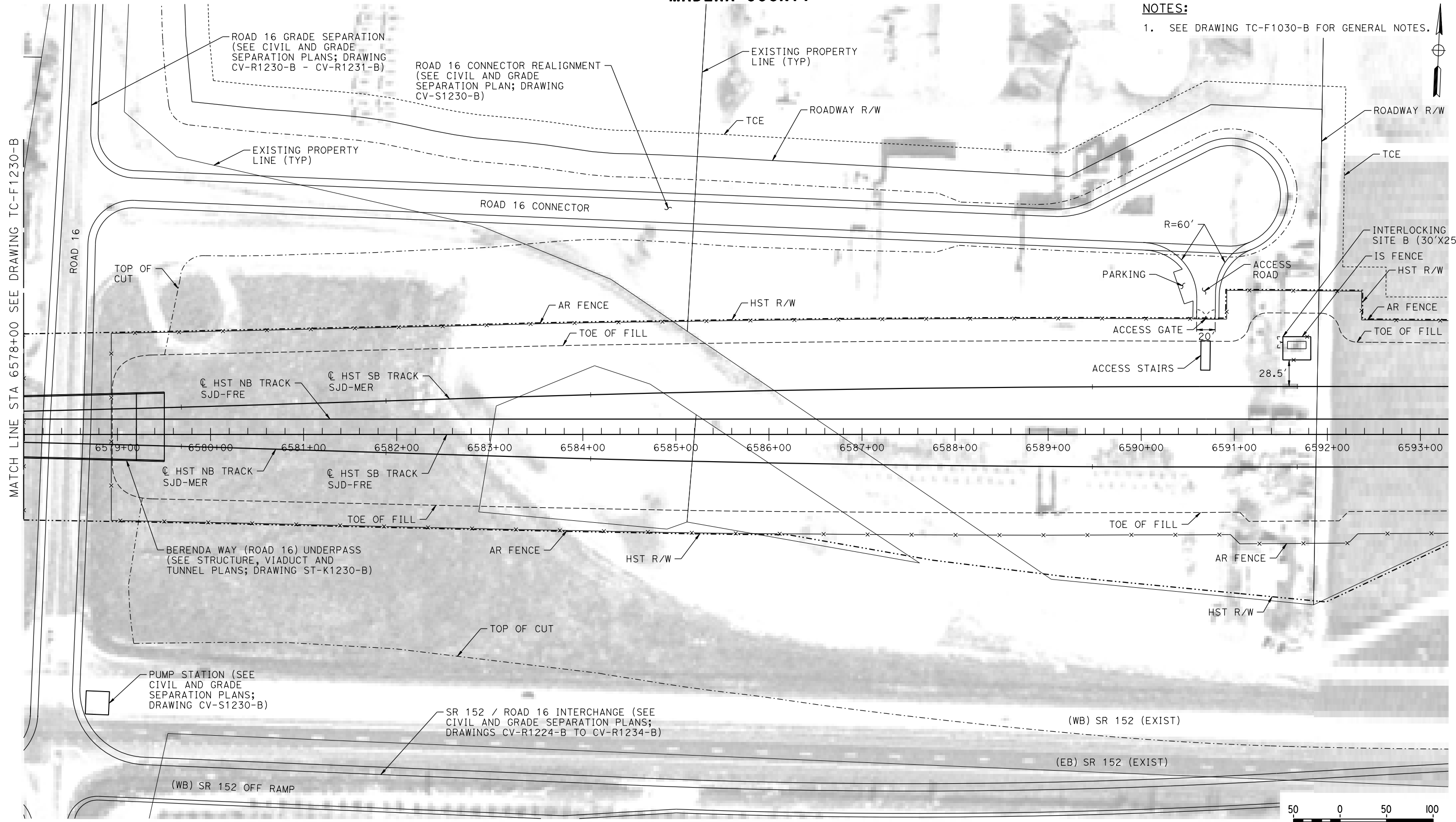
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6570+00

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

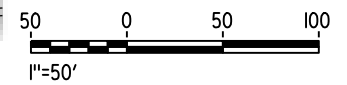
MADERA COUNTY

NOTES:

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



PLAN



02-SEP-2016 2:10 MF-TC-F1231-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
DRAWN BY
J. CASTILLO
CHECKED BY
K. MA
IN CHARGE
C. LEMLEY
DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



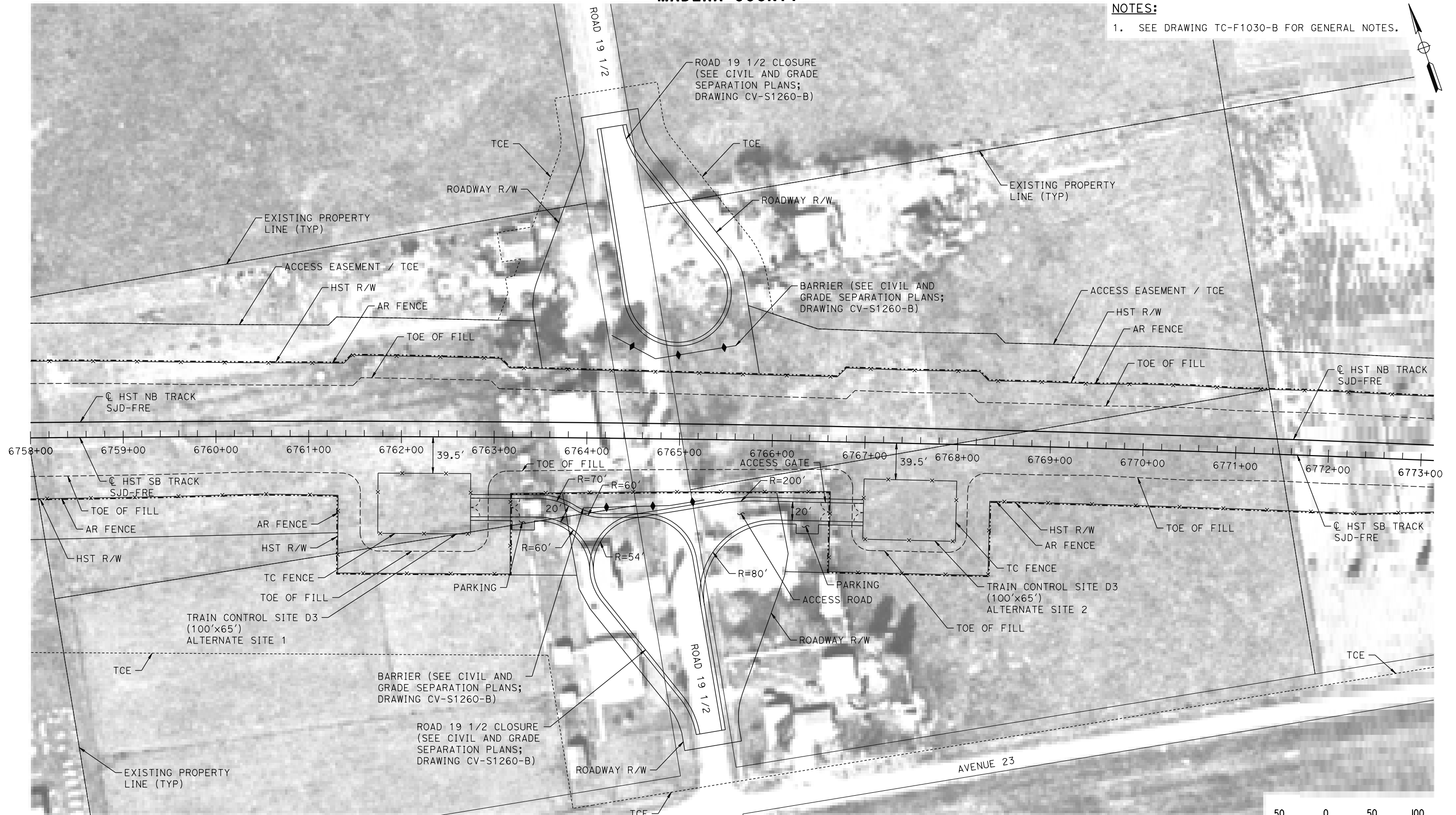
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6591+65

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1231-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:46 MF-TC-F1260-B.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



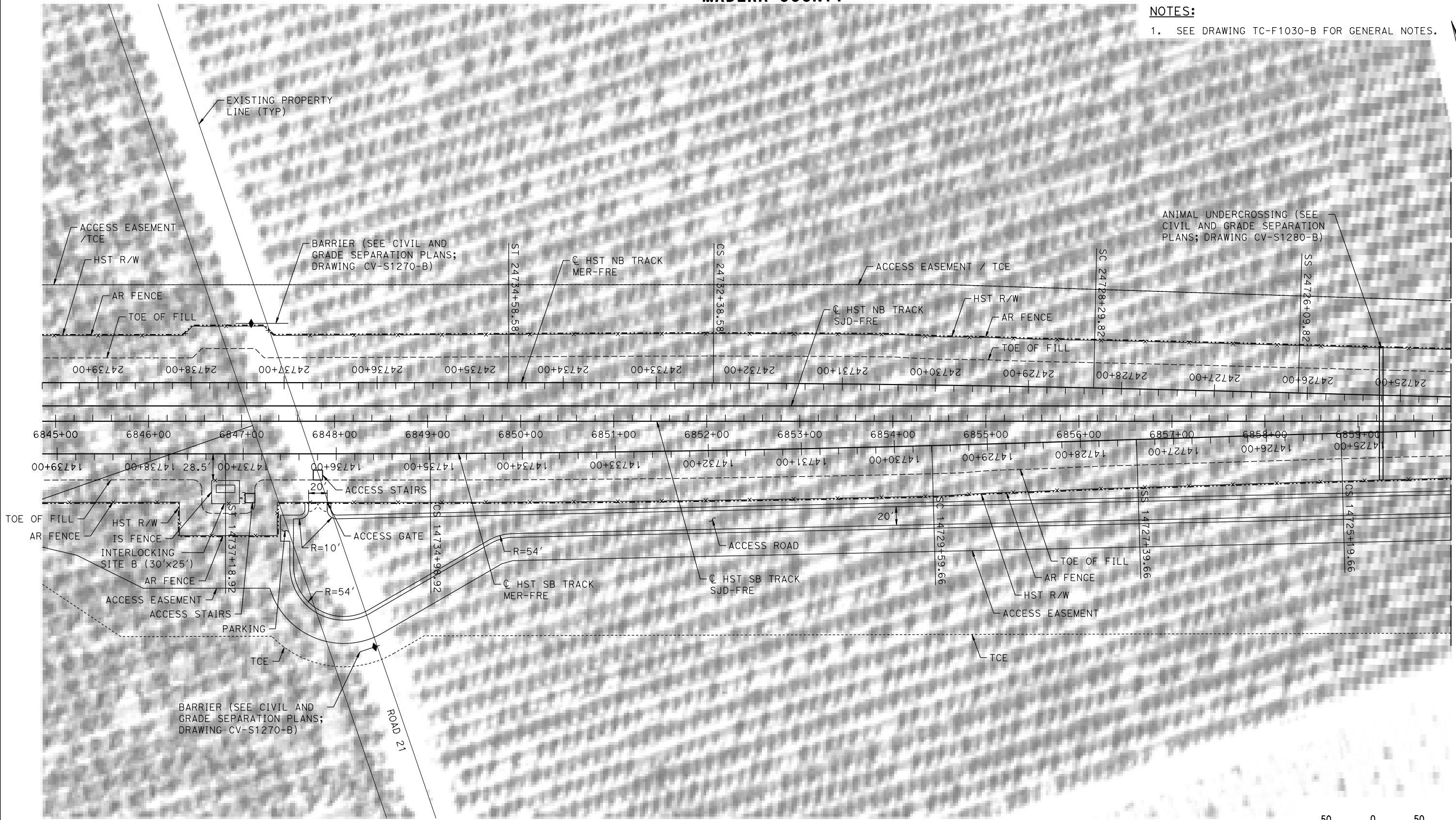
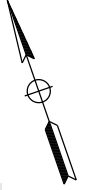
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1260-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

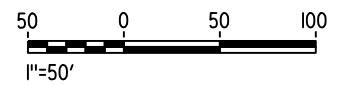
NOTES:

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



MATCH LINE STA 6860+00 SEE DRAWING TC-F1280-B

PLAN



08-MAR-2016 1:22 MF-TC-F1270-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6846+80

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1270-B

SCALE
AS SHOWN

SHEET NO.

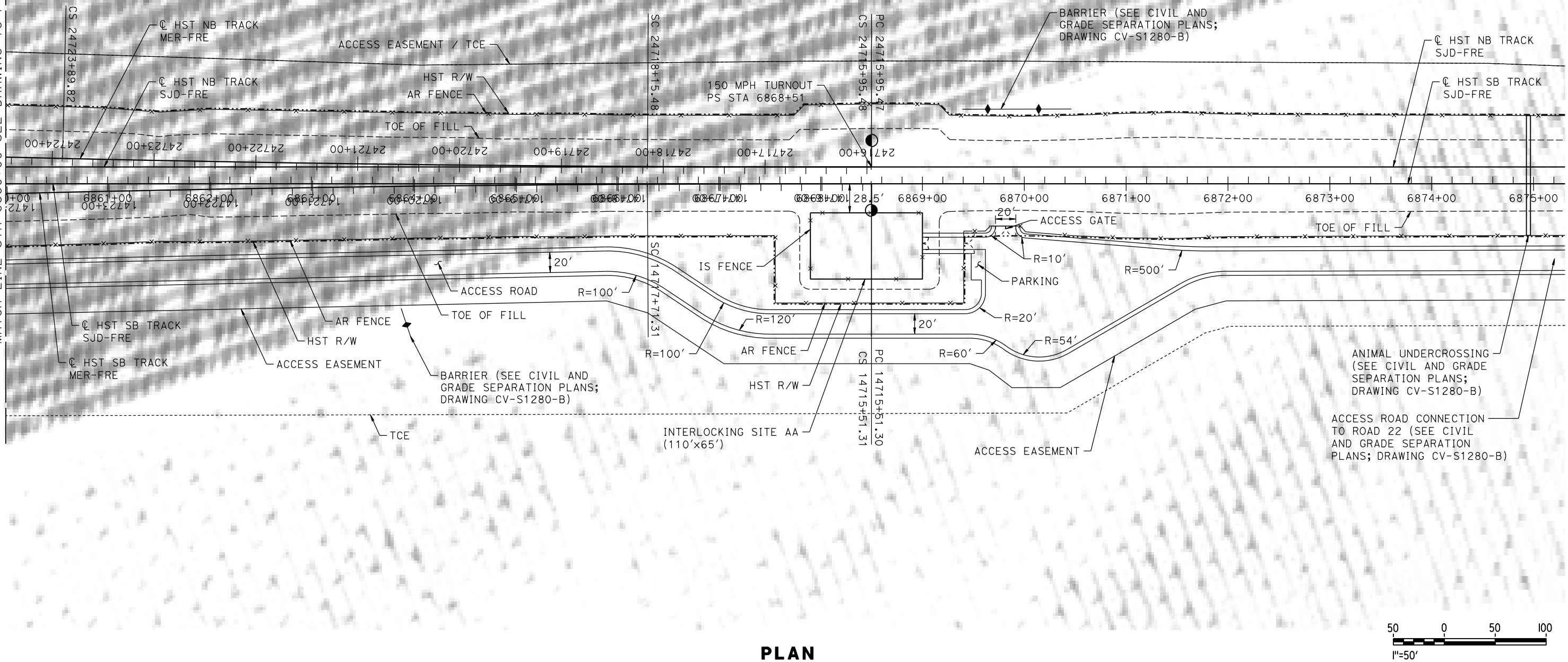
MADERA COUNTY

NOTES:

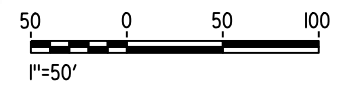
1. SEE DRAWING TC-F1030-B FOR GENERAL NOTES.



MATCH LINE STA 6860+00 SEE DRAWING TC-F1270-B



PLAN



08-MAR-2016 11:23 MF-TC-F1280-B.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

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CONSTRUCTION



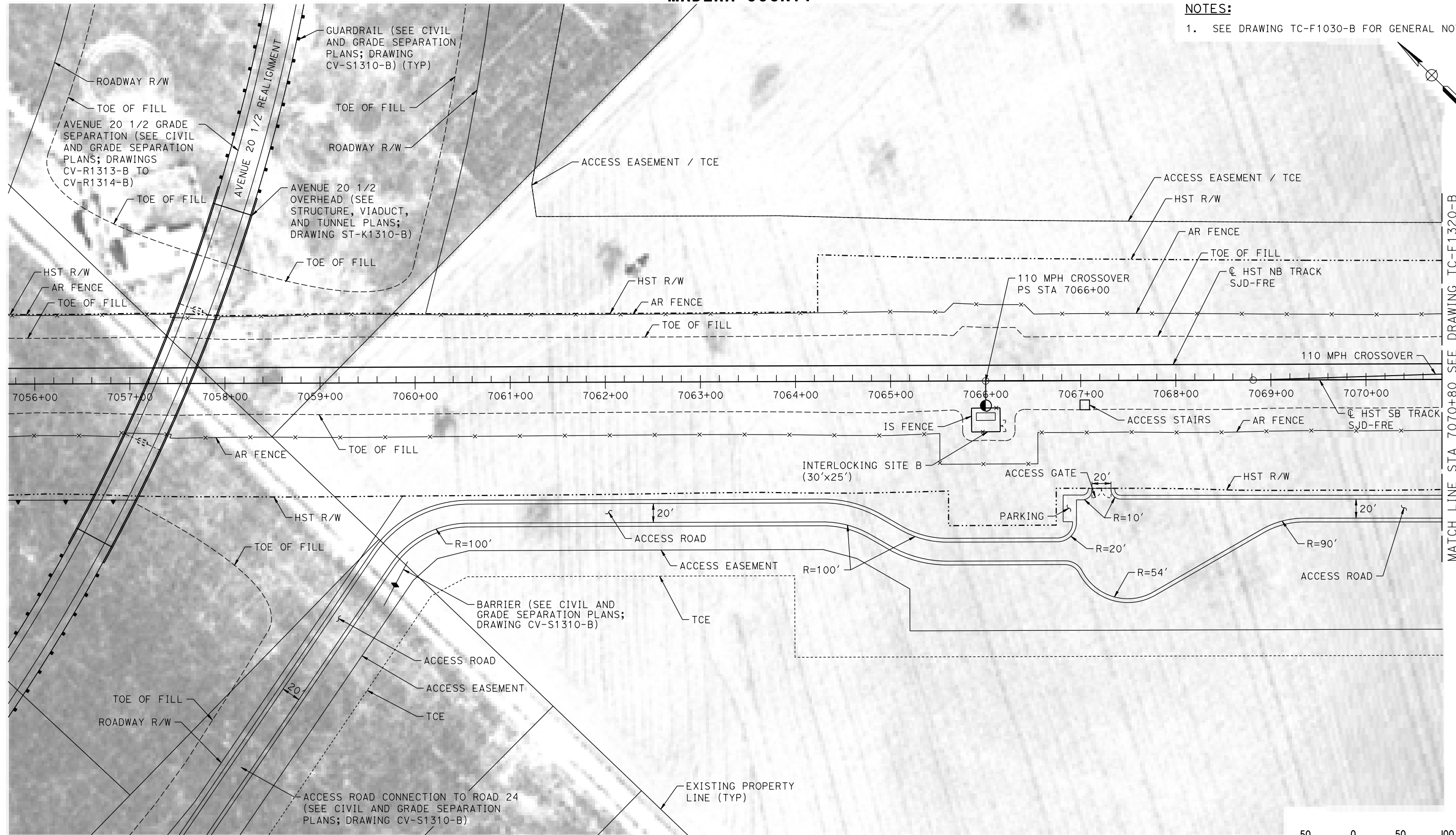
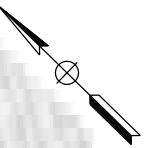
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6868+50

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

MADERA COUNTY

NOTES:

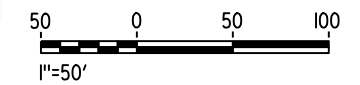
1. SEE DRAWING TC-F1030-B FOR GENERAL NOTES.



7056+00 7057+00 7058+00 7059+00 7060+00 7061+00 7062+00 7063+00 7064+00 7065+00 7066+00 7067+00 7068+00 7069+00 7070+00

MATCH LINE STA 7070+80 SEE DRAWING TC-F1320-B

PLAN



18-MAR-2016 09:47 MF-TC-F1310-B.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



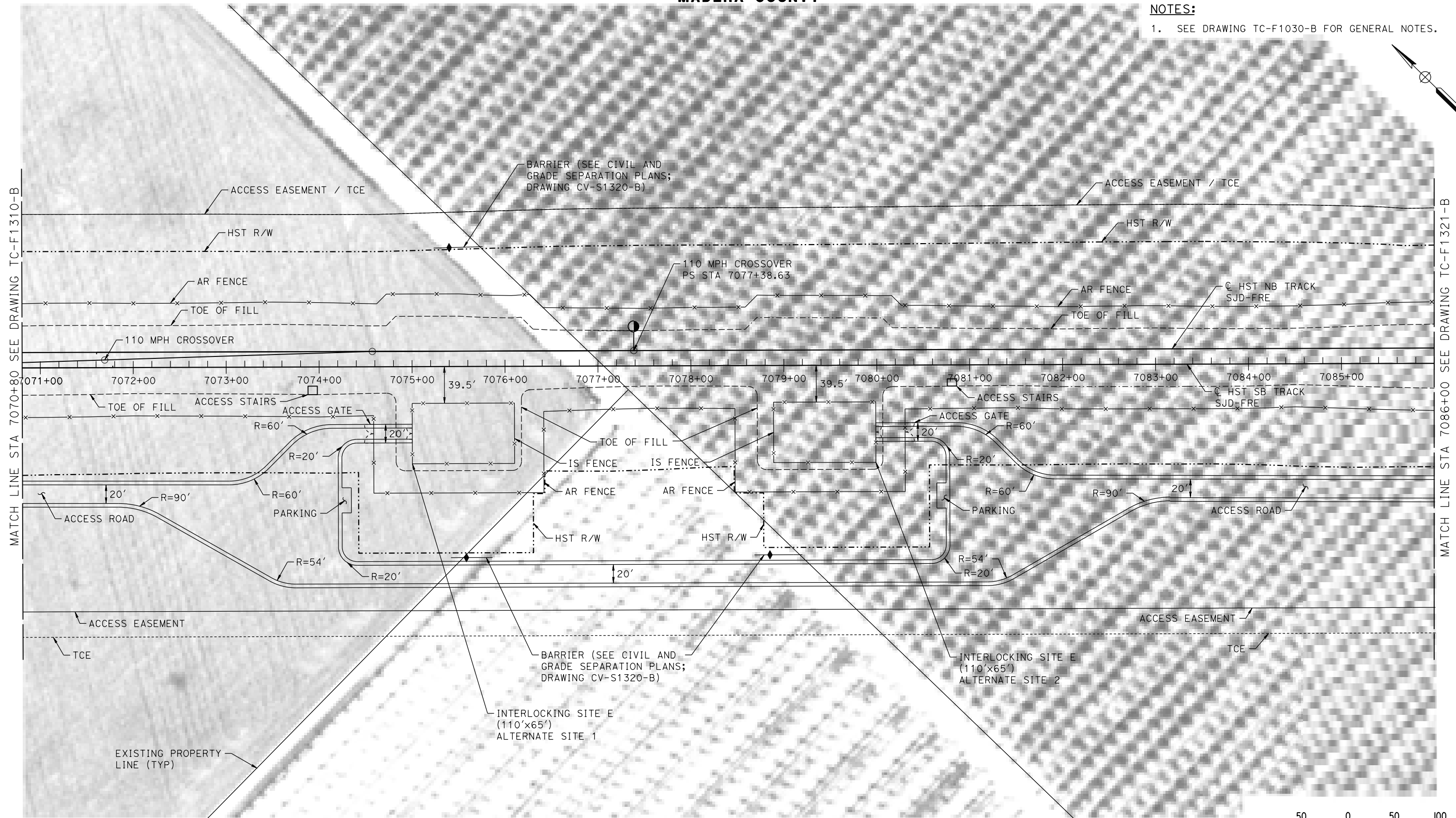
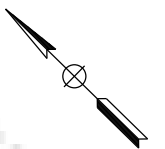
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 7066+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1310-B
SCALE
AS SHOWN
SHEET NO.

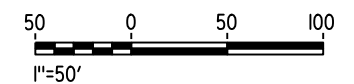
MADERA COUNTY

NOTES:

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



PLAN



08-MAR-2016 1:24 MF-TC-F1320-B.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

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
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

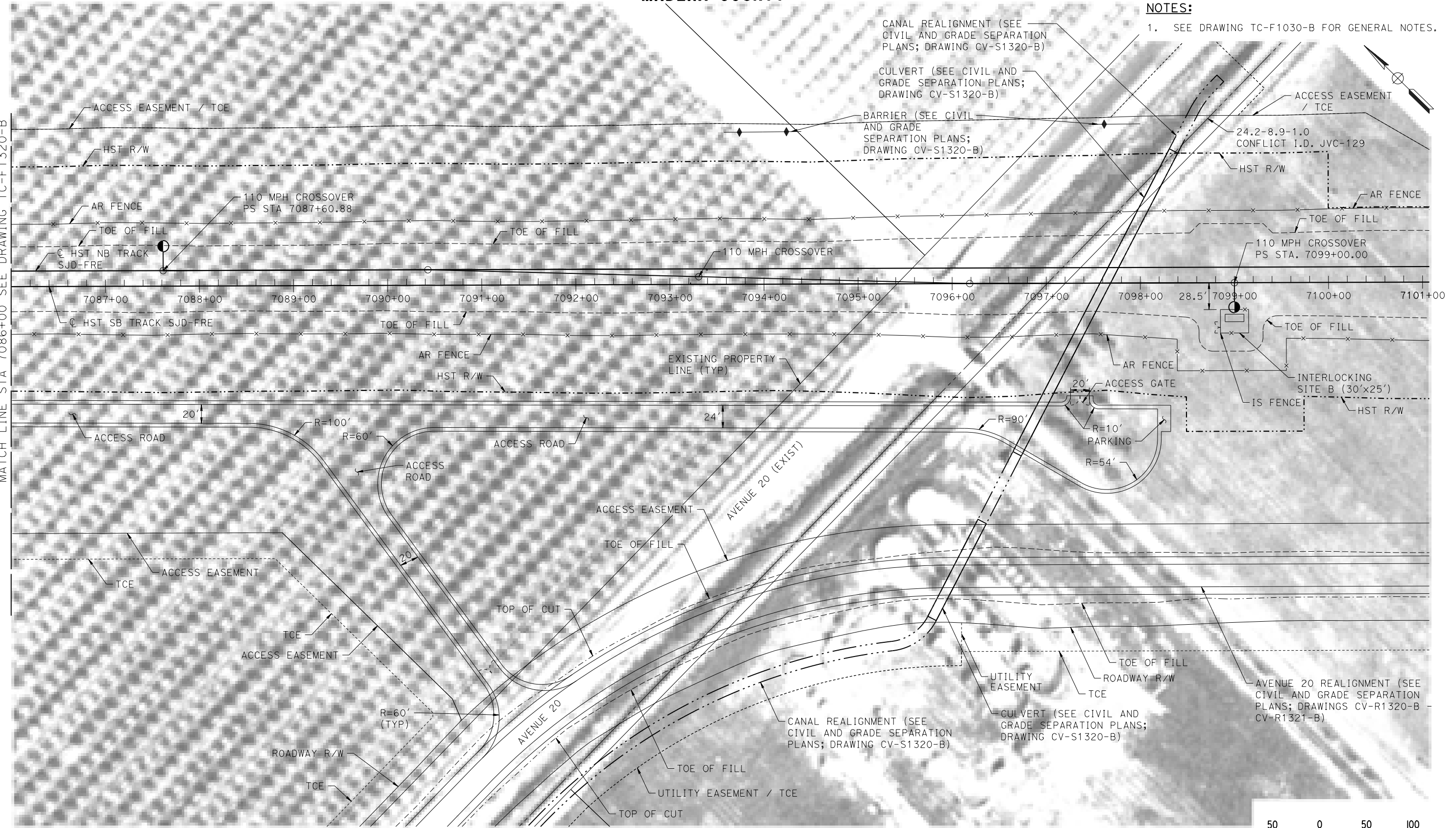
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1320-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

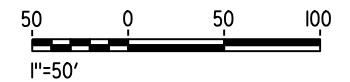
NOTES:

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

MATCH LINE STA 7086+00 SEE DRAWING TC-F1320-B



PLAN



18-MAR-2016 1:21 MF-TC-F1321-B.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

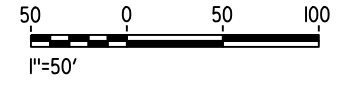
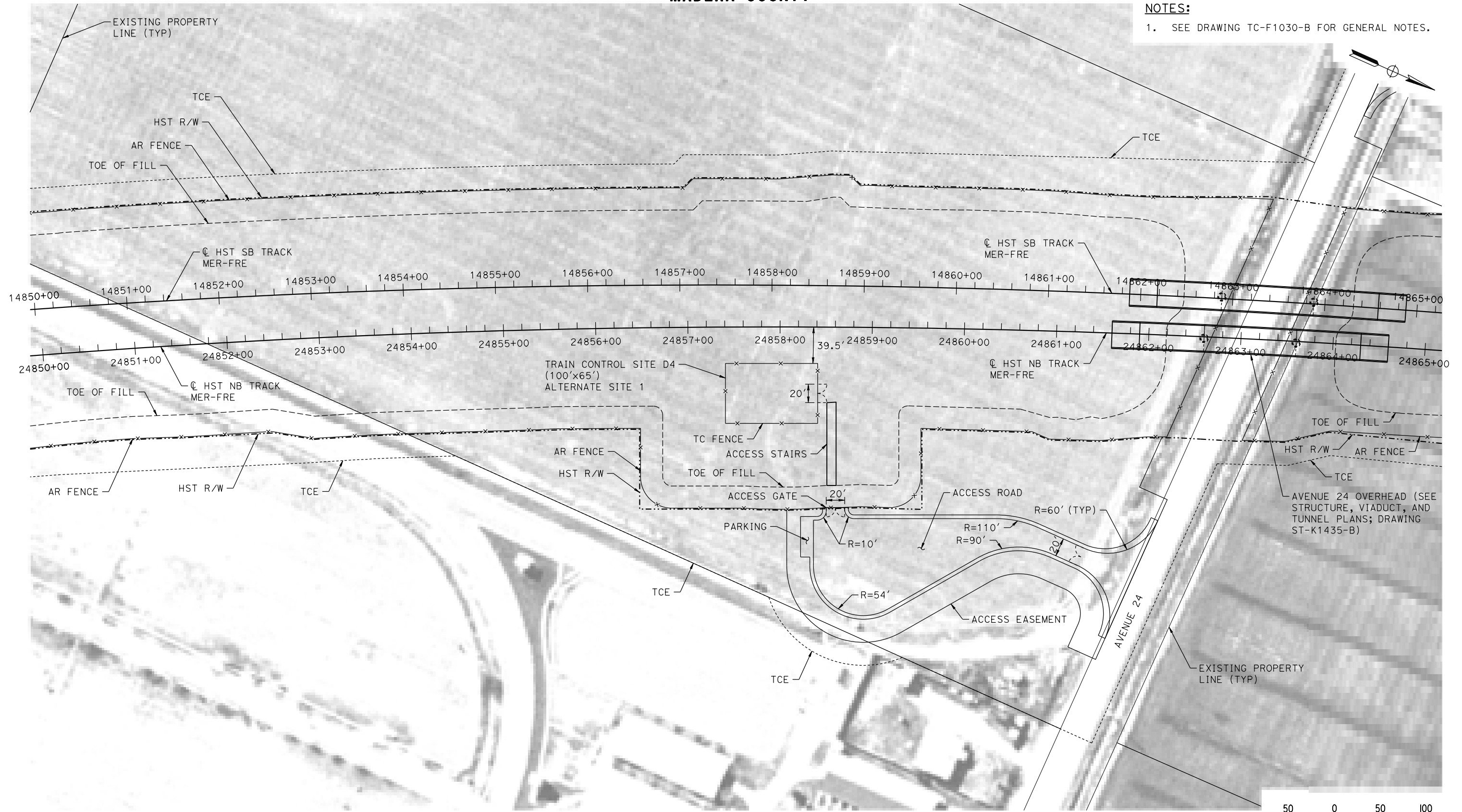


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 7099+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1321-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN

08-MAR-2016 1:24 MF-TC-F1430-B.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

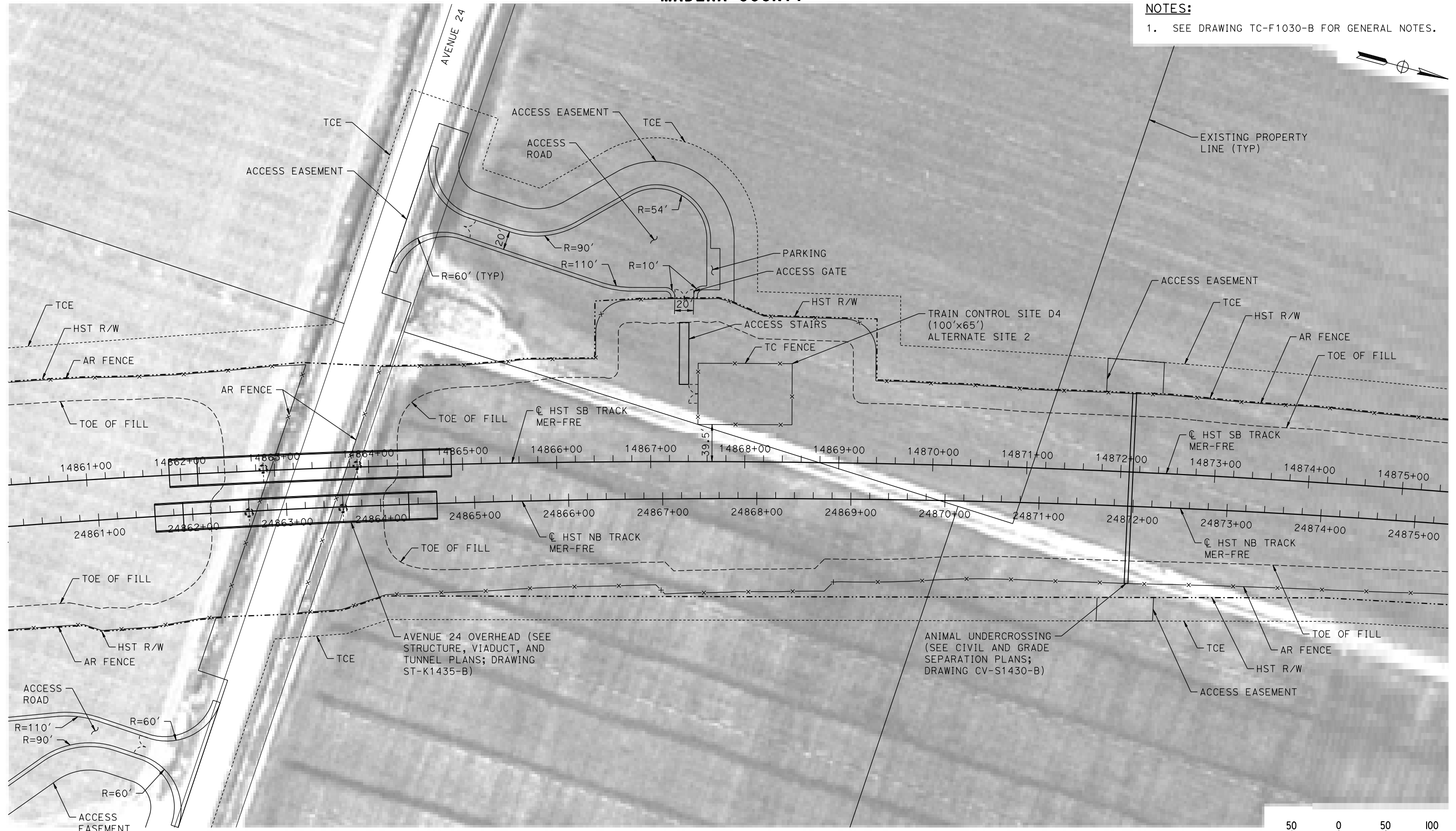


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITE 1

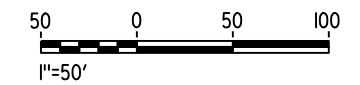
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1430-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



08-MAR-2016 1:25 MF-TC-F1431-B.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

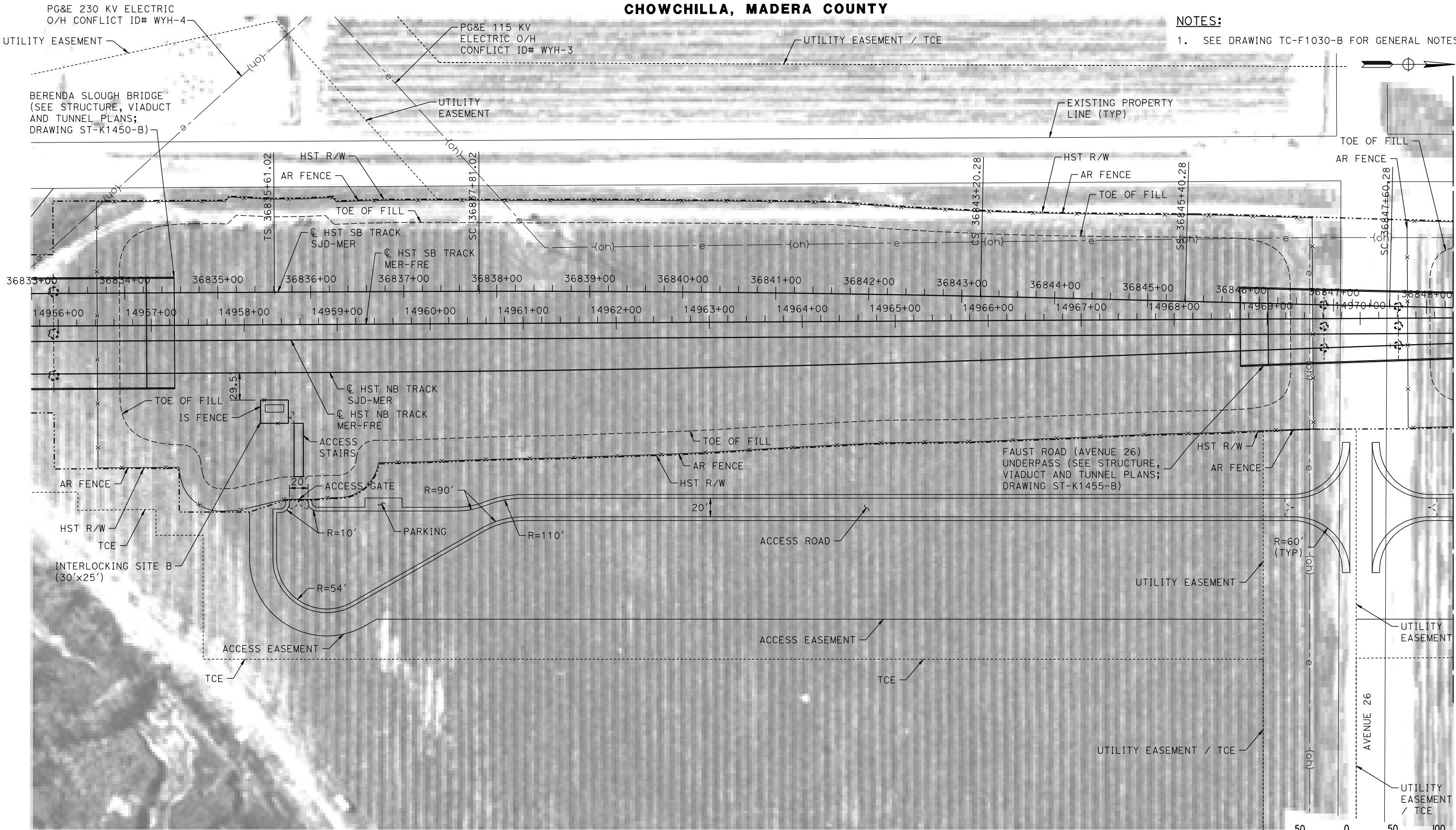


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITE 2

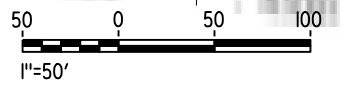
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1431-B
SCALE
AS SHOWN
SHEET NO.

CHOWCHILLA, MADERA COUNTY

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



PLAN



18-MAR-2016 09:47 MF-TC-F1450-B.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



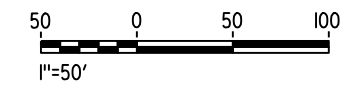
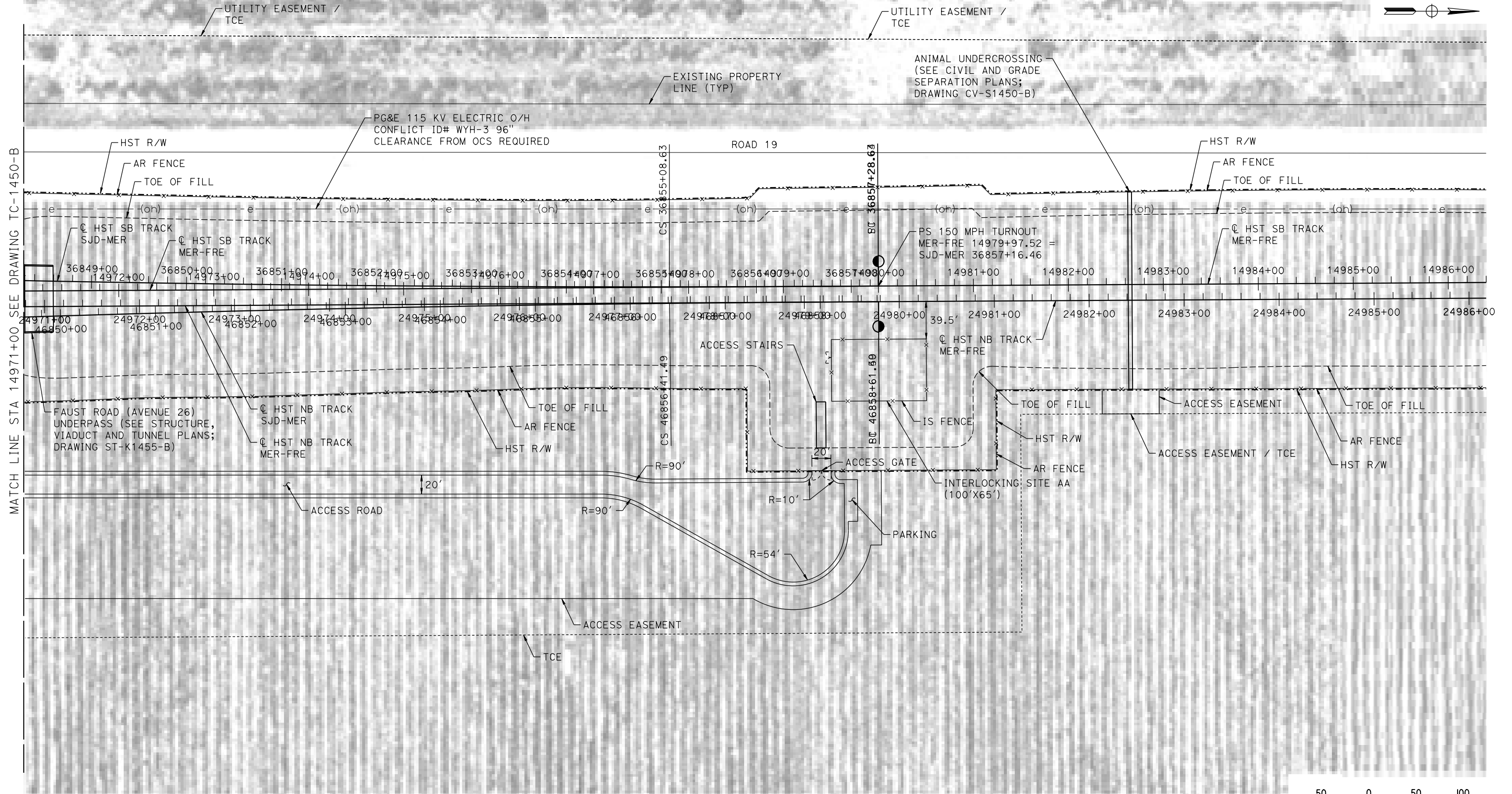
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 14958+30

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1450-B
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

08-MAR-2016 1:26 MF-TC-F1451-B.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
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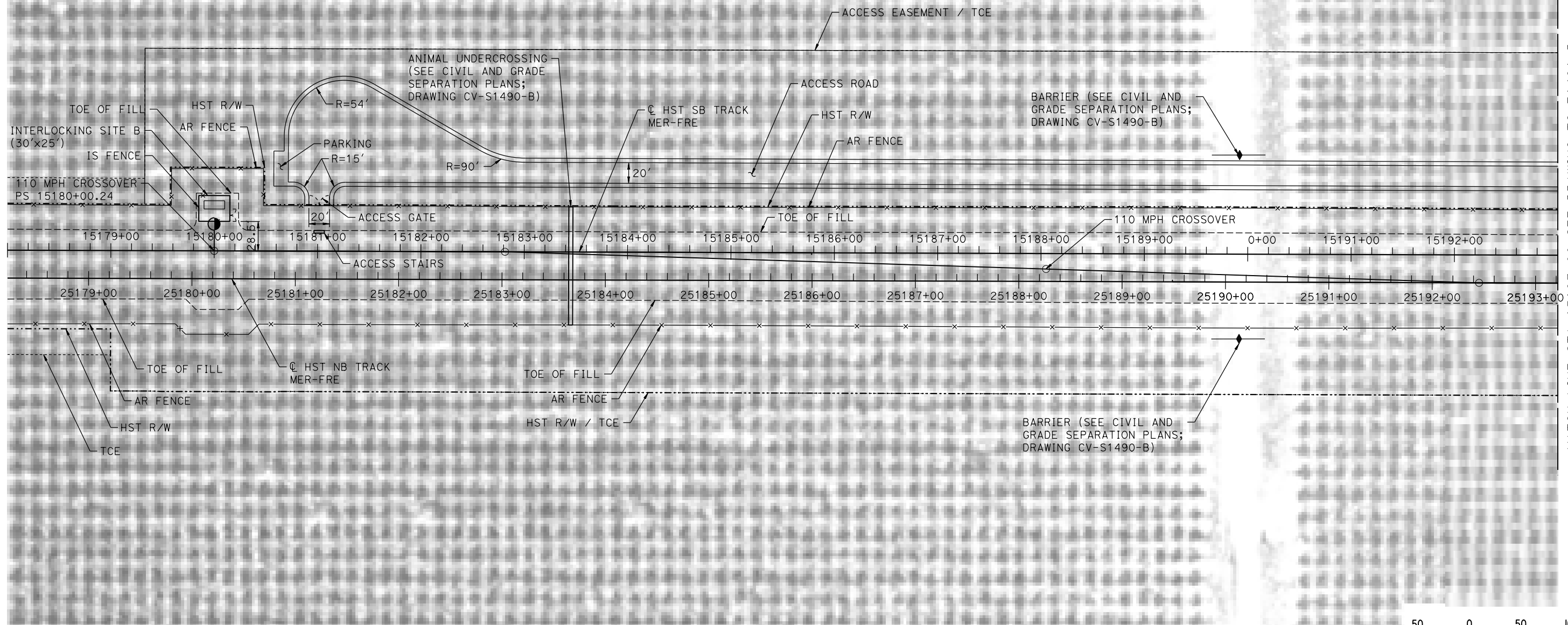
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 14980+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1451-B
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

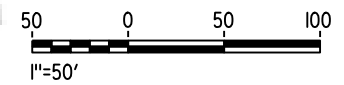
NOTES:

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



MATCH LINE STA 15193+00 SEE DRAWING TC-F1491-B

PLAN



08-MAR-2016 11:26 MF-TC-F1490-B.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

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CONSTRUCTION

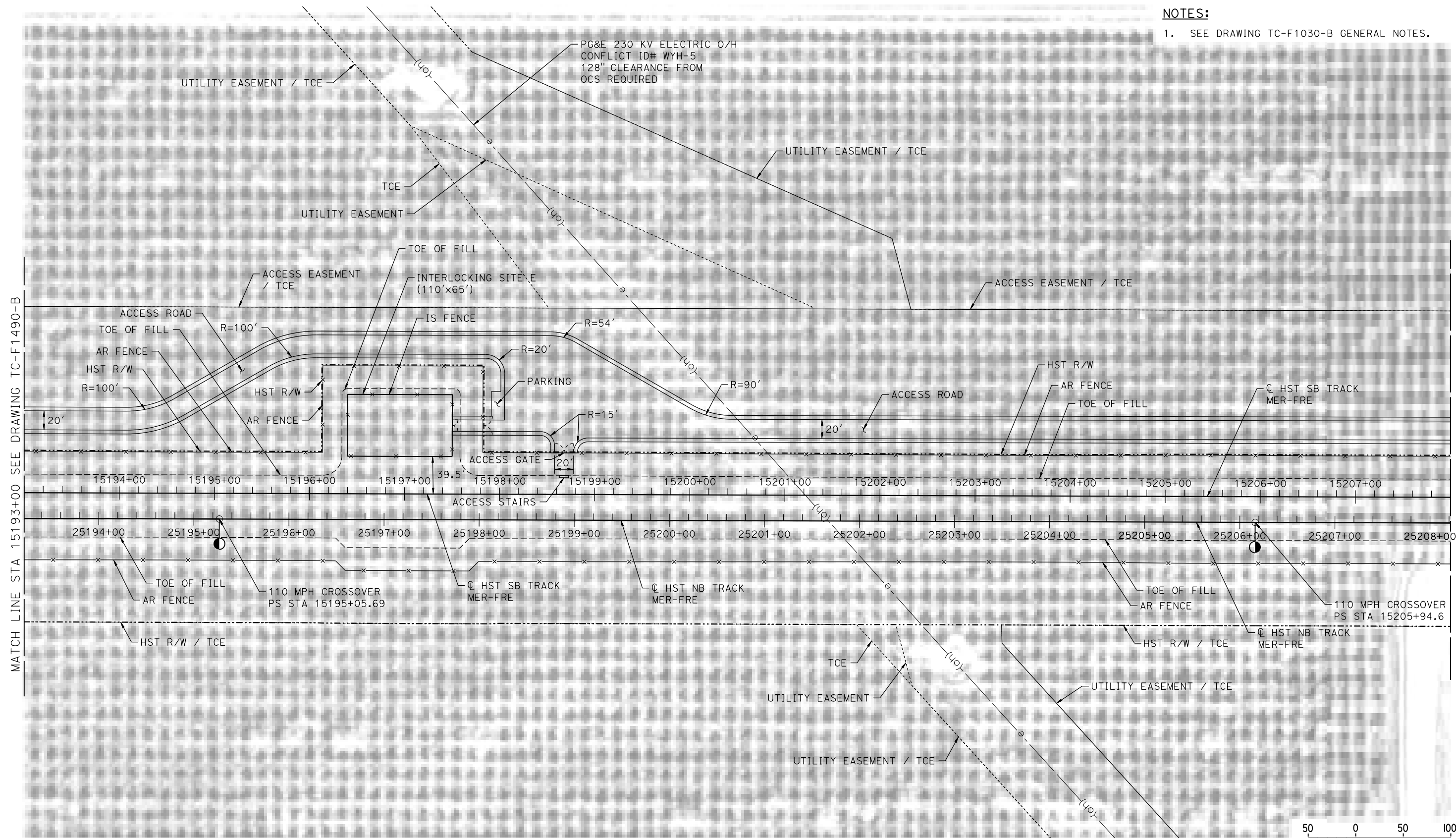


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15180+00

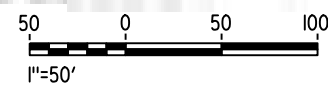
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1490-B
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:
1. SEE DRAWING TC-F1030-B GENERAL NOTES.



PLAN



18-MAR-2016 09:47 MF-TC-F1491-B.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA
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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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 15197+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1491-B
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

NOTES:

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



MATCH LINE STA 15208+00 SEE DRAWING TC-F1491-B

ACCESS ROAD CONNECTION TO MINTURN ROAD / ROAD 15 (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-B)

BARRIER (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-B)

INTERLOCKING SITE B (30'x25')

IS FENCE

AR FENCE

HST R/W

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

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R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

R=100'

BARRIER (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-B)

TOE OF FILL

AR FENCE

HST R/W

HST SB TRACK MER-FRE

110 MPH CROSSOVER

20'

ACCESS EASEMENT / TCE

ACCESS ROAD

R=90'

PARKING

R=15'

R=60'

R=54'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

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R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

R=10'

ACCESS GATE

20'

110 MPH CROSSOVER PS 15221+00.00

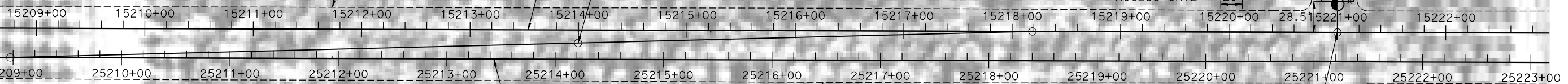
TOE OF FILL

AR FENCE

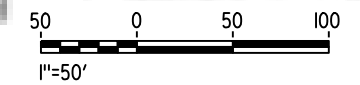
HST R/W / TCE

BARRIER (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-B)

BARRIER (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-B)



PLAN



08-MAR-2016 1:27 MF-TC-F1500-B.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

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15221+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1500-B
SCALE
AS SHOWN
SHEET NO.

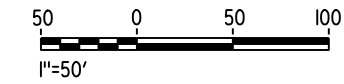
MERCED COUNTY

NOTES:

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



PLAN



08-MAR-2016 1:27 MF-TC-F1560-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D5 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1560-B

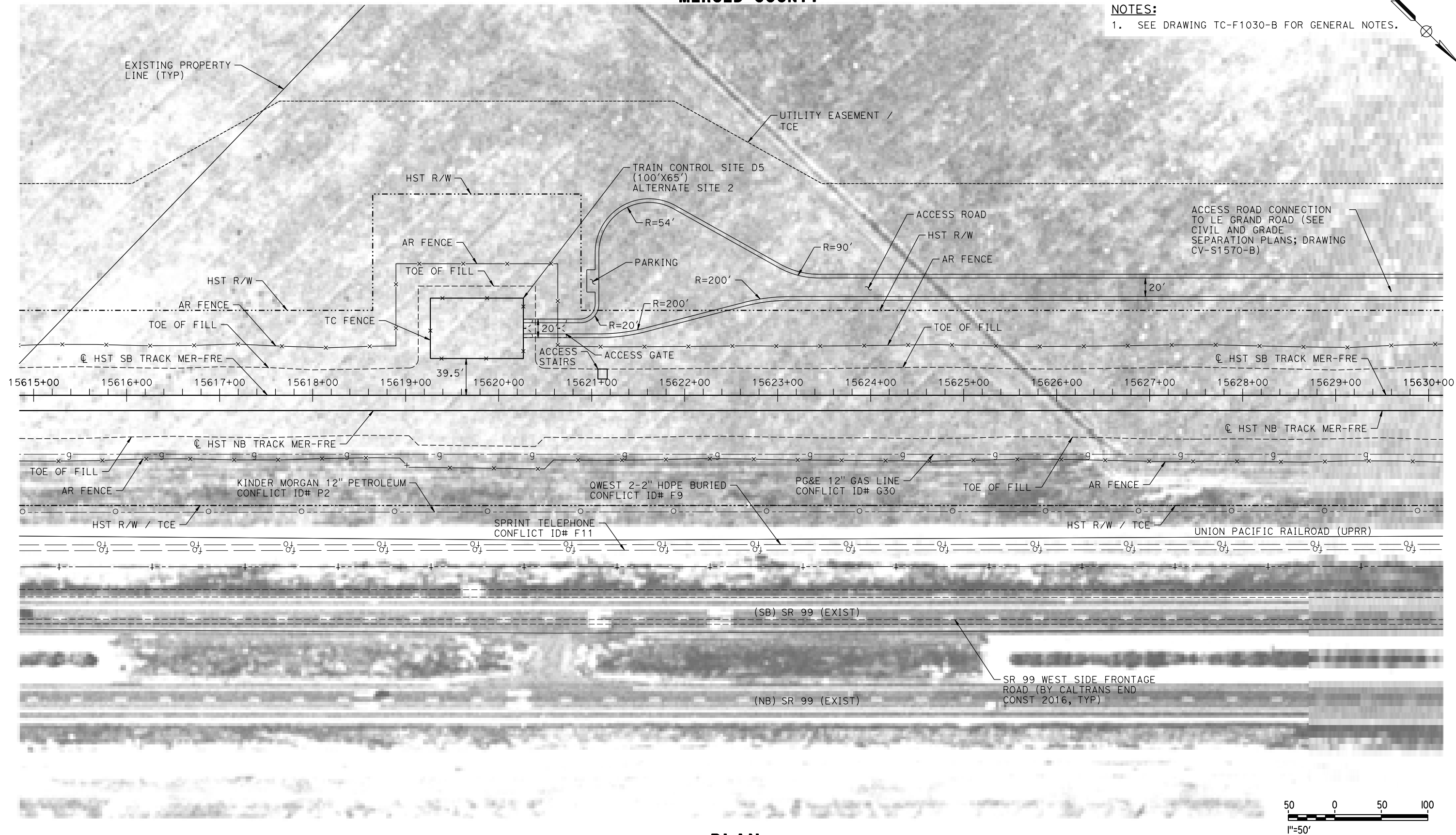
SCALE
AS SHOWN

SHEET NO.

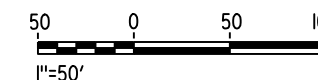
MERCED COUNTY

NOTES:

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



PLAN



08-MAR-2016 1:28 MF-TC-F1570-B.dgn

P005133A

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
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D5 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1570-B

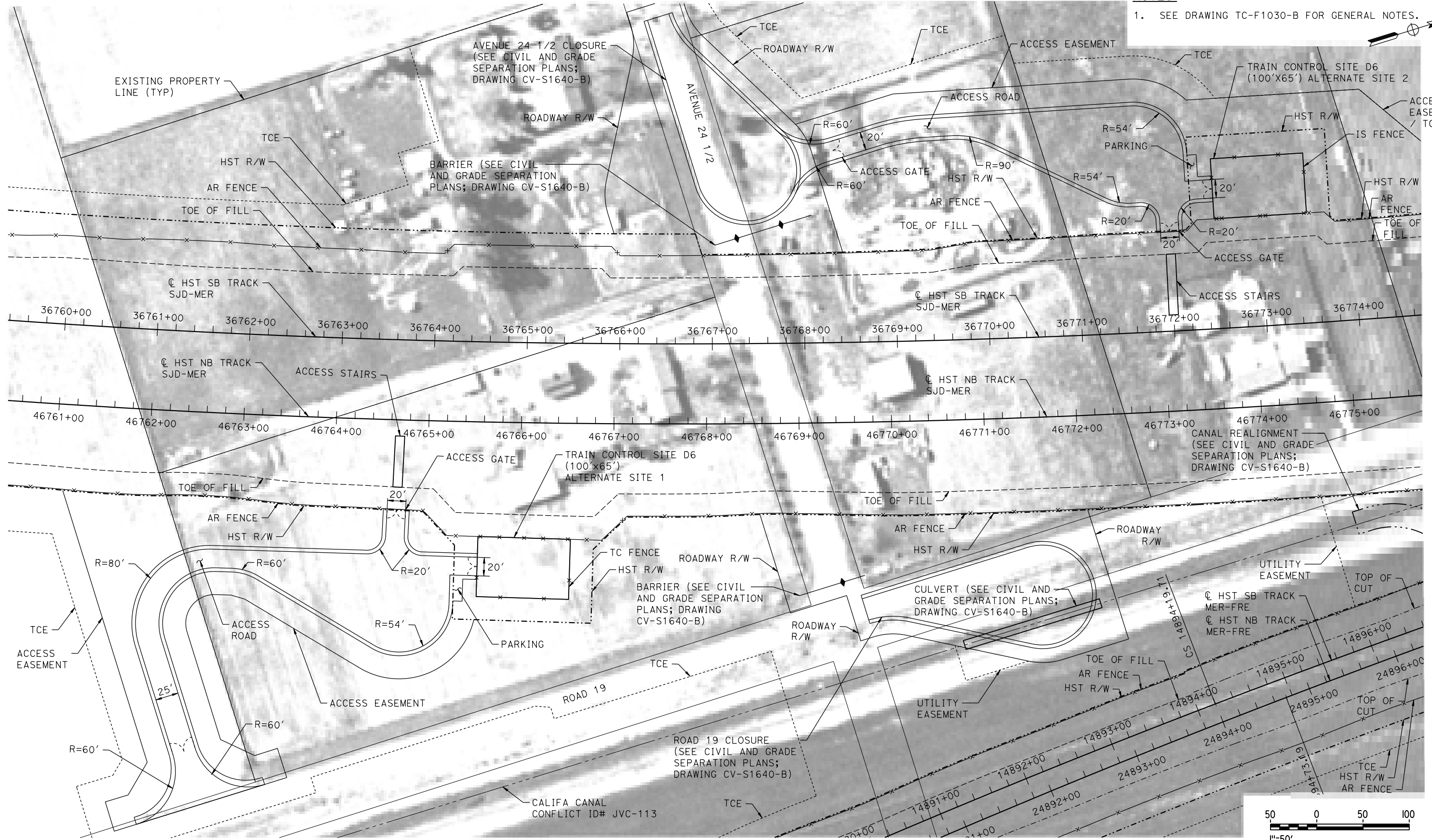
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

18-MAR-2016 09:48 MF-TC-F1640-B.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
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D6 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1640-B
SCALE
AS SHOWN
SHEET NO.