

California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

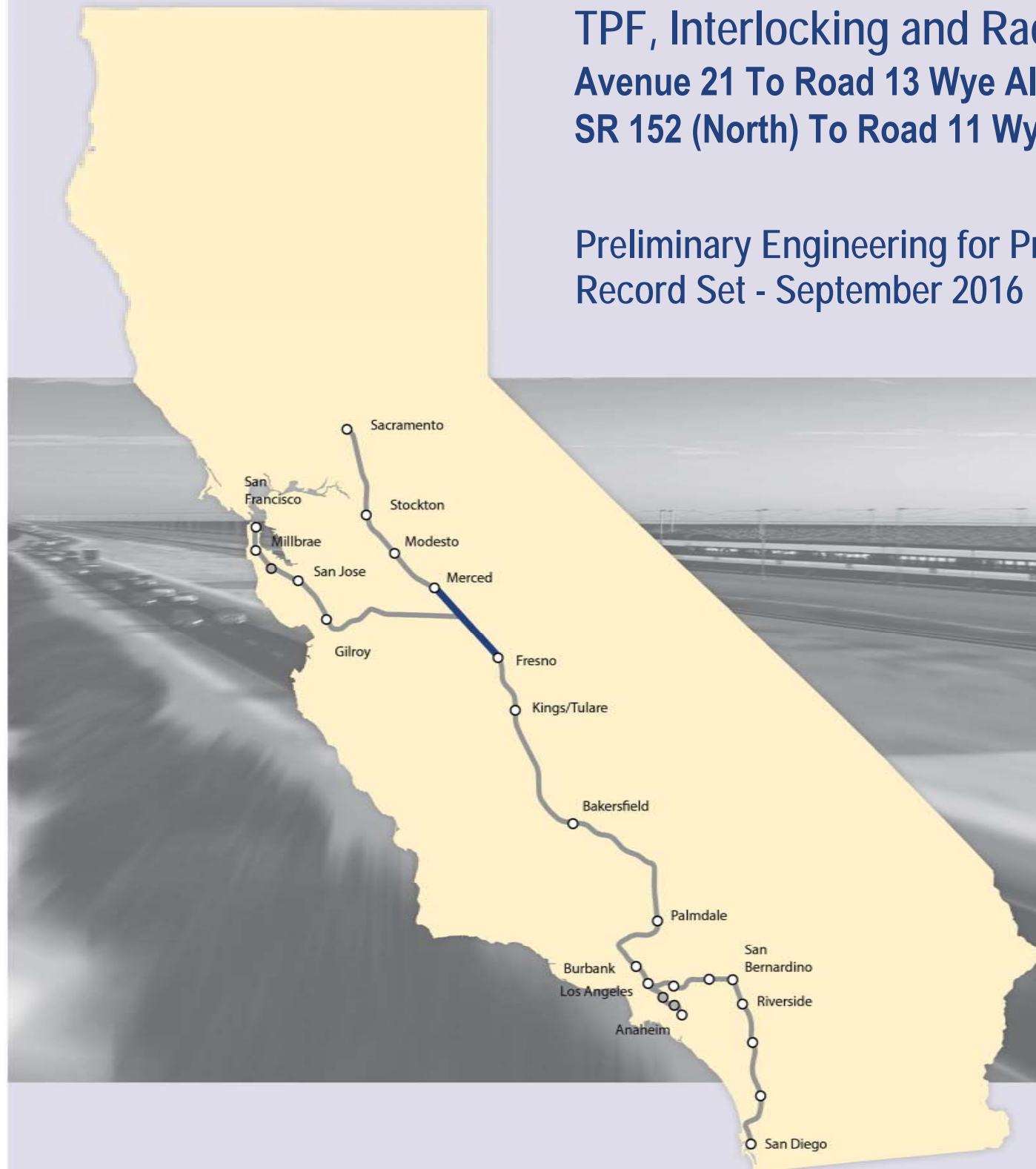
TPF, Interlocking and Radio Site Plans (Book 2 of 2)

Avenue 21 To Road 13 Wye Alternative

SR 152 (North) To Road 11 Wye Alternative

Preliminary Engineering for Project Definition

Record Set - September 2016



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
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SHEET 2 OF 5

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DRAWING NO.
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SCALE
NO SCALE
SHEET NO.

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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

12--AUG-2016 09:01:06 MF-TP-B0006.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 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

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

E

E EAST
 EA ACTUAL SUPERELEVATION
 EASE EASEMENT
 EB END OF BRIDGE, EASTBOUND
 EC END HORIZONTAL CURVE
 ECR END CURB RETURN
 ED EDGE DRAIN
 EDC EDGE DRAIN CLEANOUT
 EDO EDGE DRAIN OUTLET
 EDV EDGE DRAIN VENT
 ELEC ELECTROLIER
 ELECT ELECTRIC
 ELEV ELEVATION
 EMB EMBANKMENT
 ENGR ENGINEER
 EOD EDGE OF DECK
 EP EDGE OF PAVEMENT
 EQ EQUATION
 ES EDGE OF SHOULDER
 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

FNTB FACING NORTHBOUND TRAFFIC
 FOB FREE ON BOARD
 FOC FACE OF CONCRETE
 FR RD FRONTAGE ROAD
 FRE FRESNO
 FS FAR SIDE, FINISHED SURFACE
 FSBT FACING SOUTHBOUND TRAFFIC
 FTG FOOTING
 FWBT FACING WESTBOUND TRAFFIC
 FWY FREEWAY

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 MATERIAL

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

P008319A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
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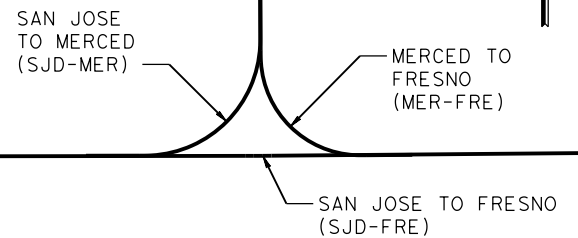
NOT FOR
CONSTRUCTION



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

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

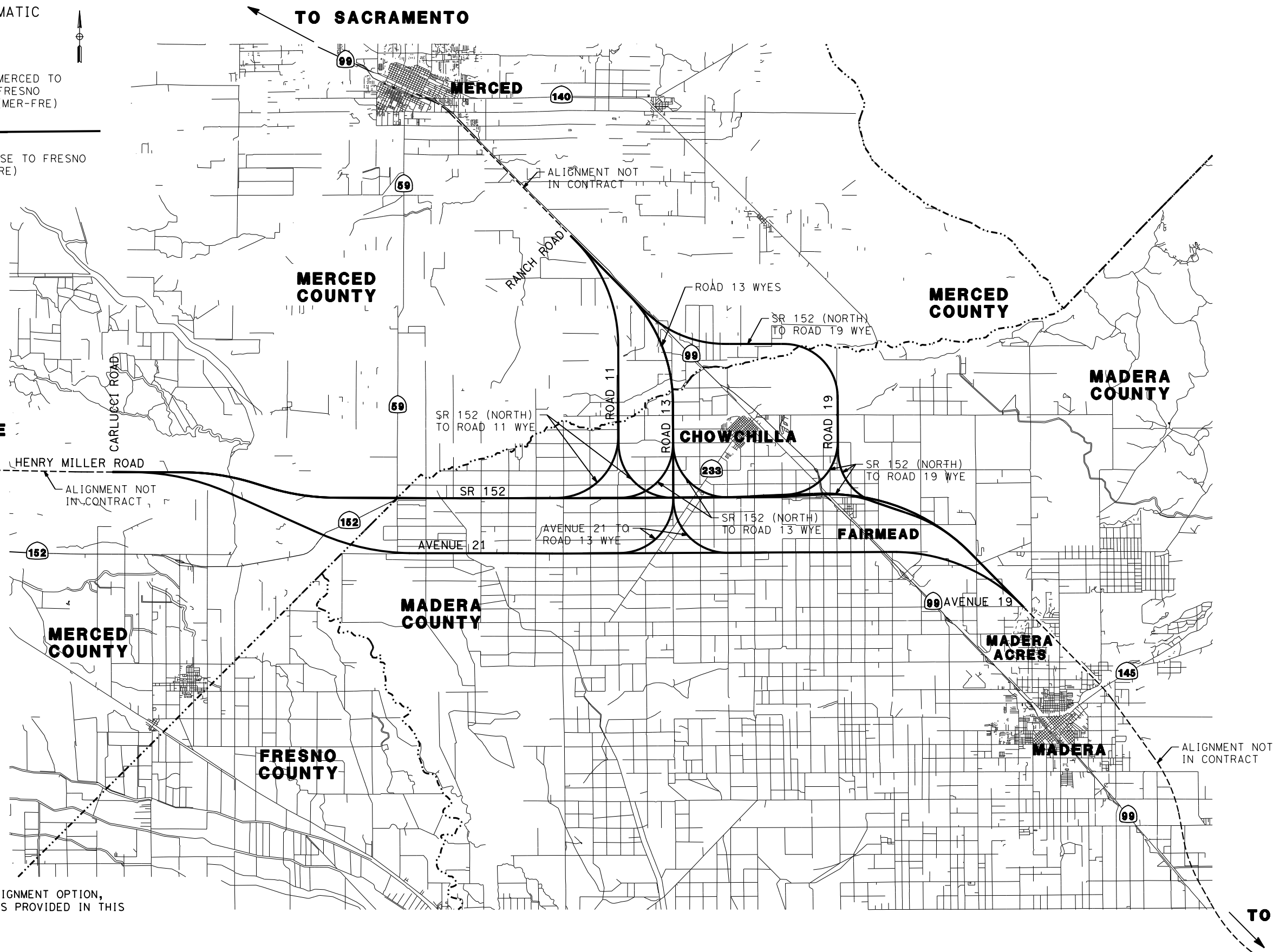
WYE CONNECTIONS SCHEMATIC



TO SAN JOSE

TO SACRAMENTO

TO FRESNO



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

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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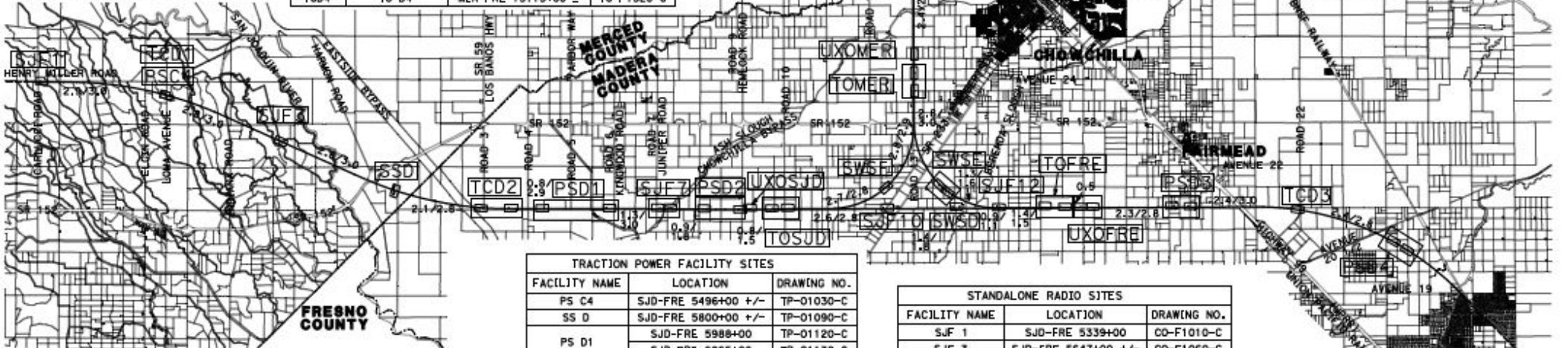
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
LOCATION PLAN

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
- JS INTERLOCKING SITE
- MER MERCED
- NIC NOT IN CONTRACT
- PS PARALLELING STATION, POINT OF SWITCH
- SJD SAN JOSE DIRIDON
- SJV SAN JOAQUIN VALLEY
- SRS STANDALONE RADIO SITE
- SS SUBSTATION
- SWS SWITCHING STATION
- TC TRAIN CONTROL
- TO TURNOUT
- TPF TRACTION POWER FACILITY
- UXO UNIVERSAL CROSSOVER

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



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

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

TRACTION POWER FACILITY SITES		
FACILITY NAME	LOCATION	DRAWING NO.
PS C4	SJD-FRE 5496+00 +/-	TP-01030-C
SS D	SJD-FRE 5800+00 +/-	TP-01090-C
	SJD-FRE 5988+00	TP-01120-C
PS D1	SJD-FRE 6065+00	TP-01130-C
	SJD-FRE 6190+00	TP-01160-C
SWS D	SJD-FRE 6228+00	TP-01161-C
	SJD-FRE 6496+00 +/-	TP-01210-C
PS D3	SJD-FRE 6765+00	TP-01260-C
	SJD-FRE 6783+00	TP-01261-C
PS D4	SJD-FRE 7047+00	TP-01310-C
	SJD-FRE 7059+00	TP-01311-C
SWS E	MER-FRE 14985+00	TP-01430-C
	MER-FRE 14997+00	TP-01431-C
PS E1	MER-FRE 15270+00	TP-01480-C
	MER-FRE 15282+00	TP-01481-C
PS E2	MER-FRE 15565+00	TP-01530-C
	MER-FRE 15585+00	TP-01540-C
SWS F	SJD-MER 36417+00 +/-	TP-01630-C

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



MF-TP-B4001-C.dgn

07-MAR-2016 09:21:44

0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
J. CASTILLO

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
10/30/2015

**RECORD SET
10% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-B4001-C

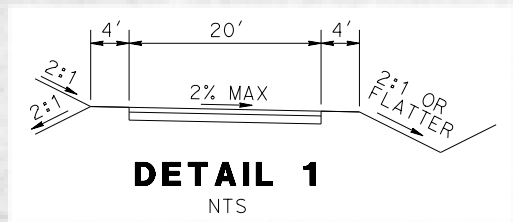
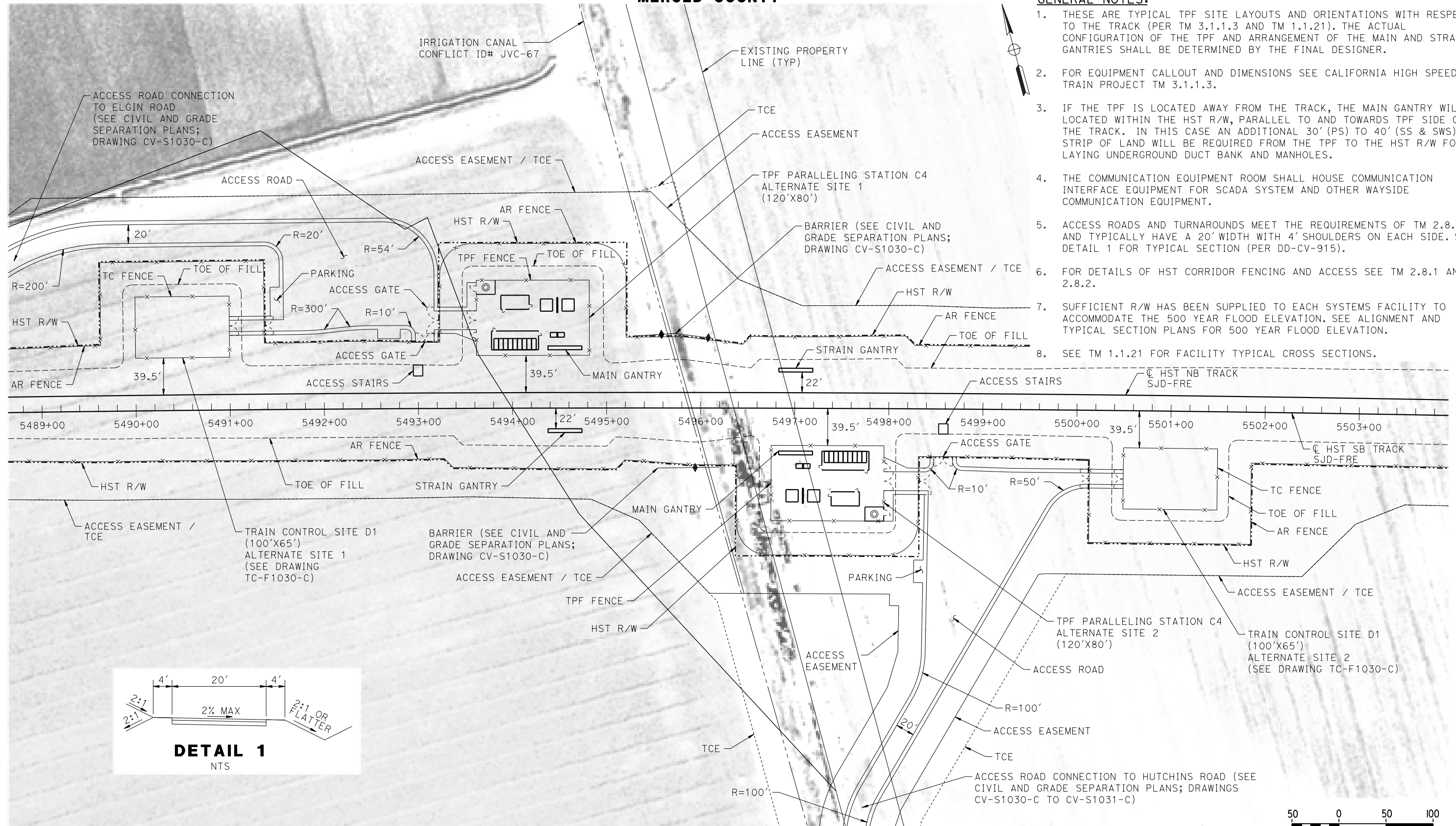
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SHEET NO.

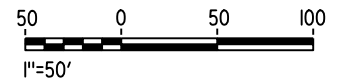
MERCED COUNTY

GENERAL NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION

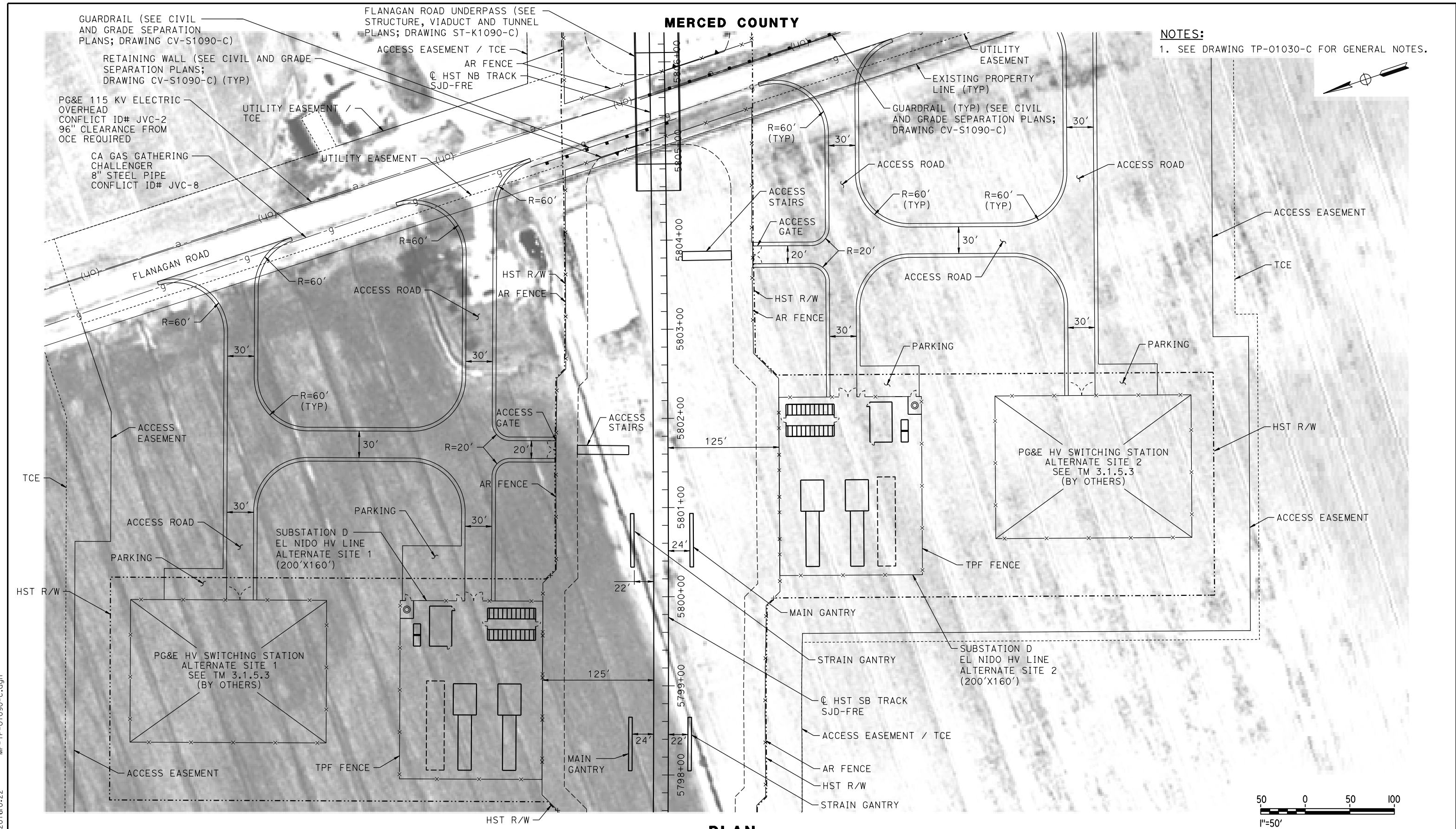


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

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

MERCED COUNTY

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



PLAN

18-MAR-2016 10:22 MF-TP-01090-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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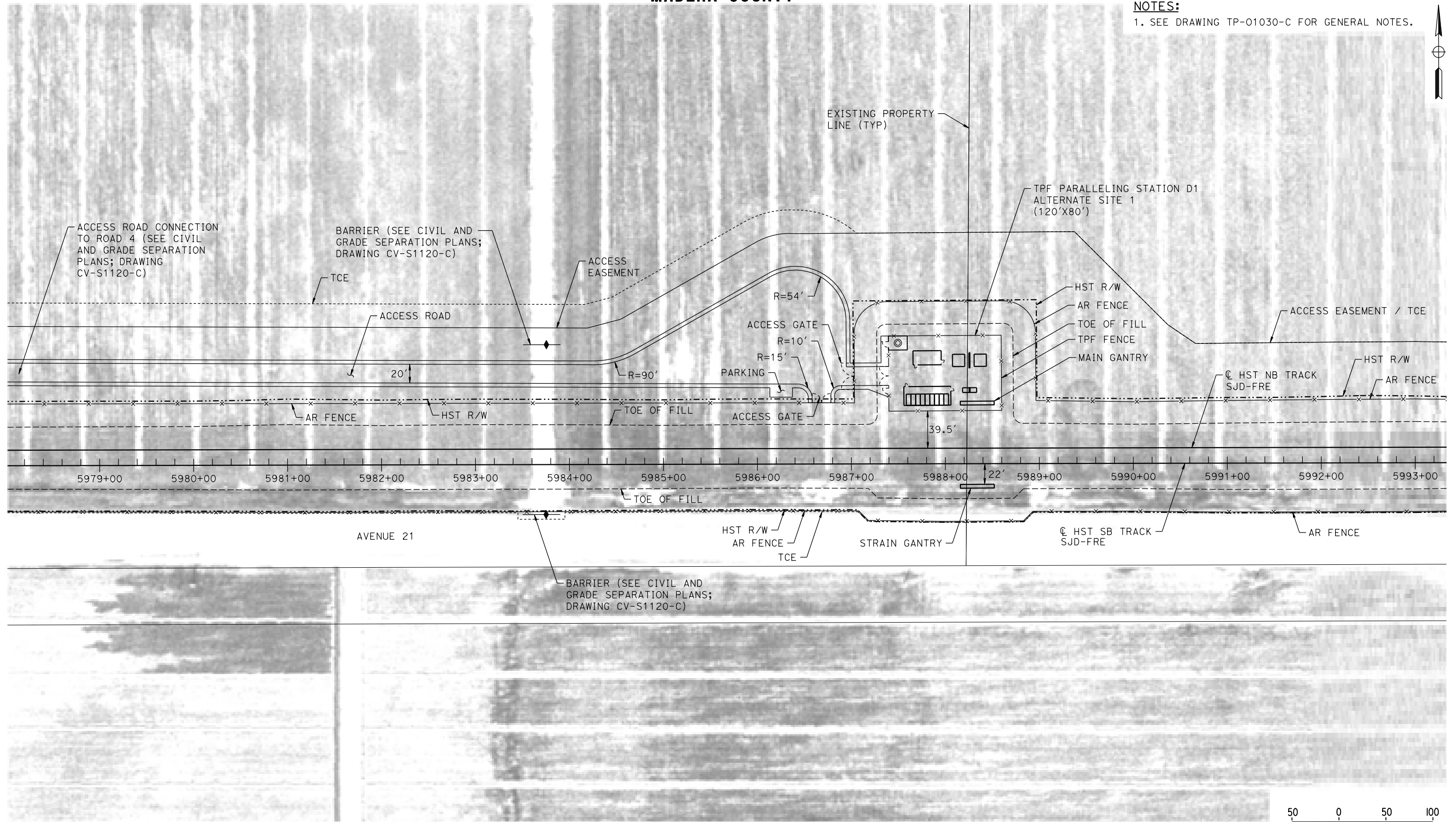
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITES 1 & 2

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

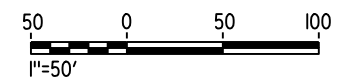
MADERA COUNTY

NOTES:

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



PLAN



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

P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



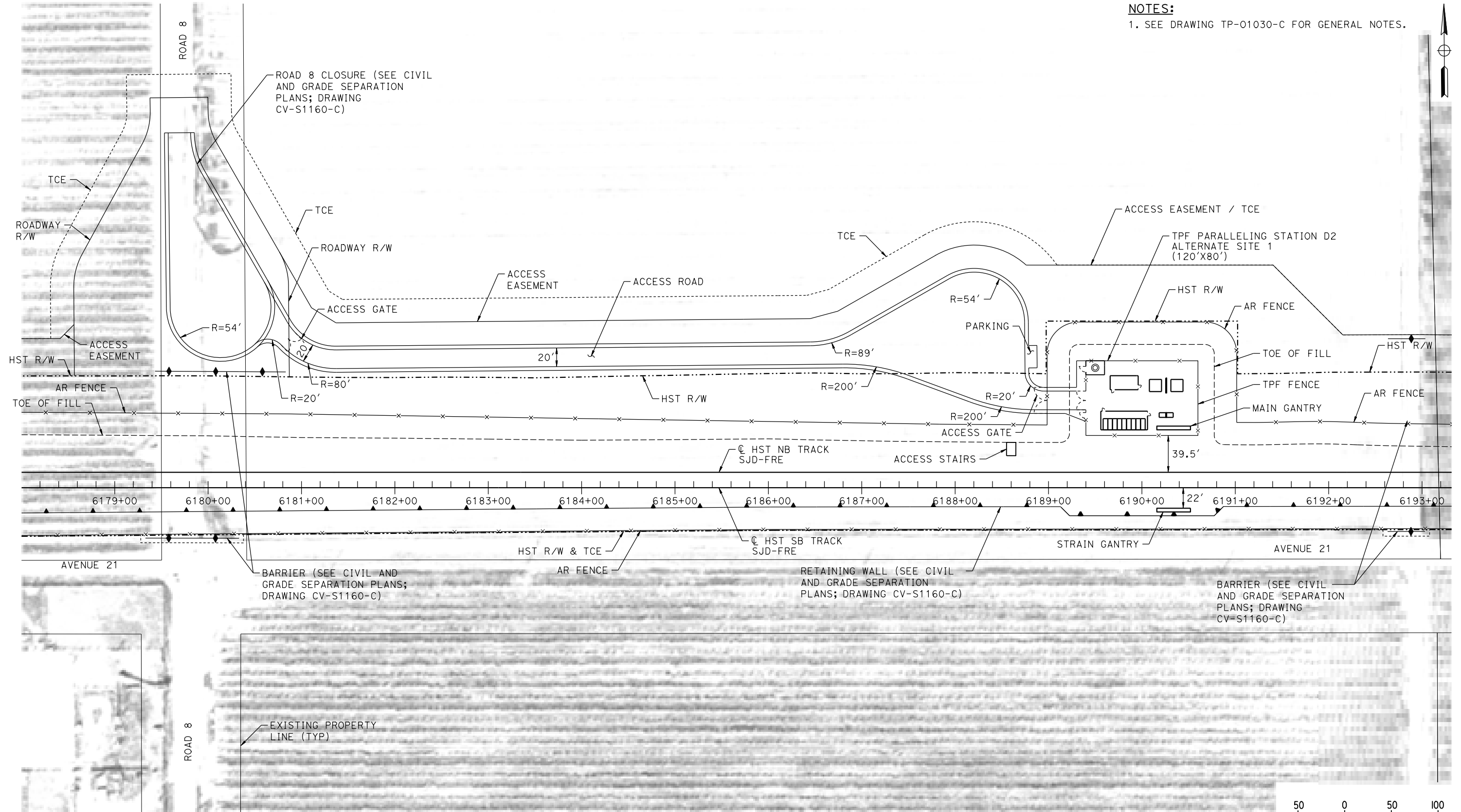
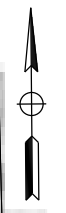
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 1

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

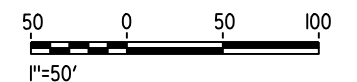
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

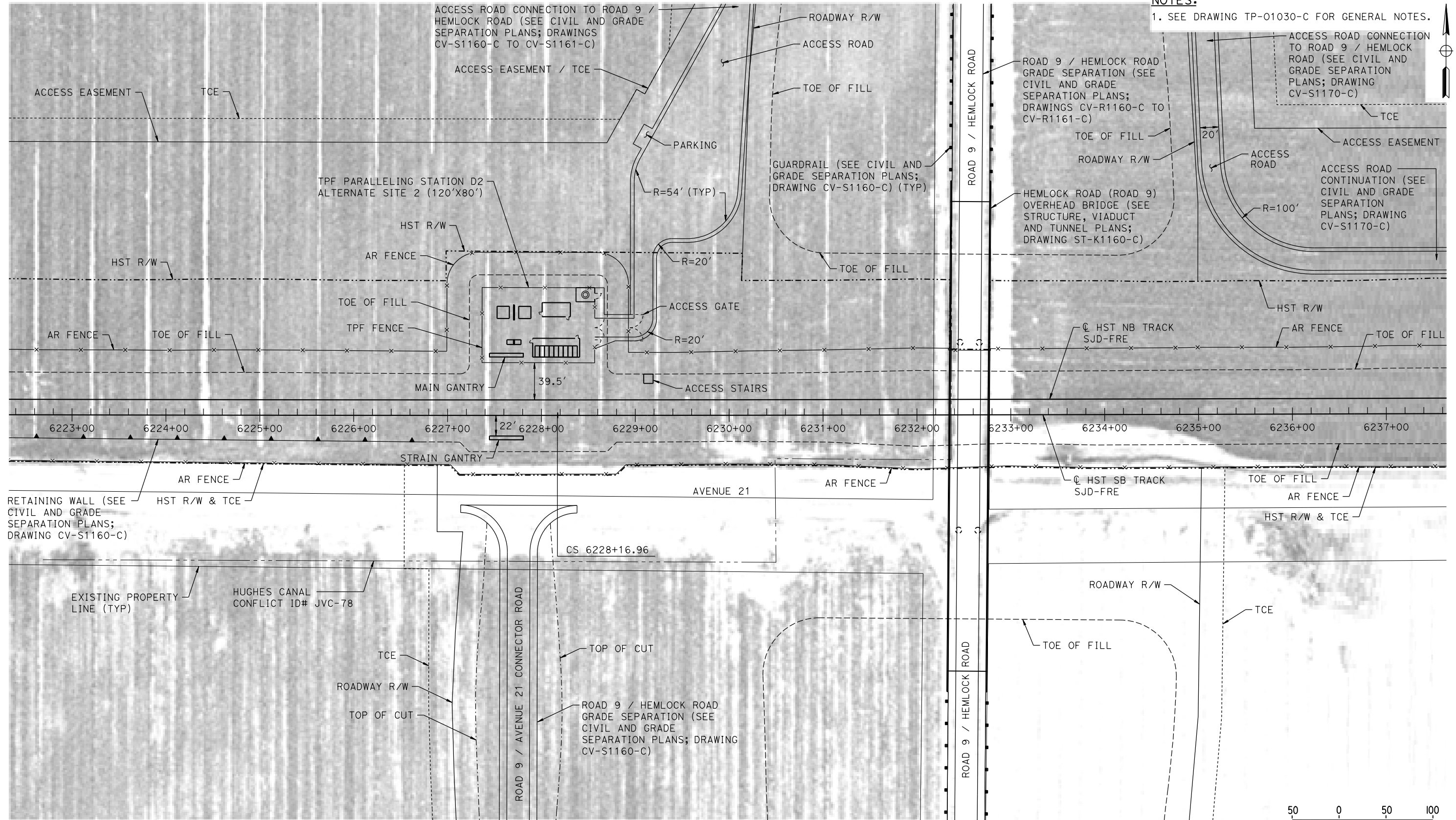
DRAWING NO.
TP-01160-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

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



PLAN

18-MAR-2016 01:24 MF-TP-01161-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
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CONSTRUCTION



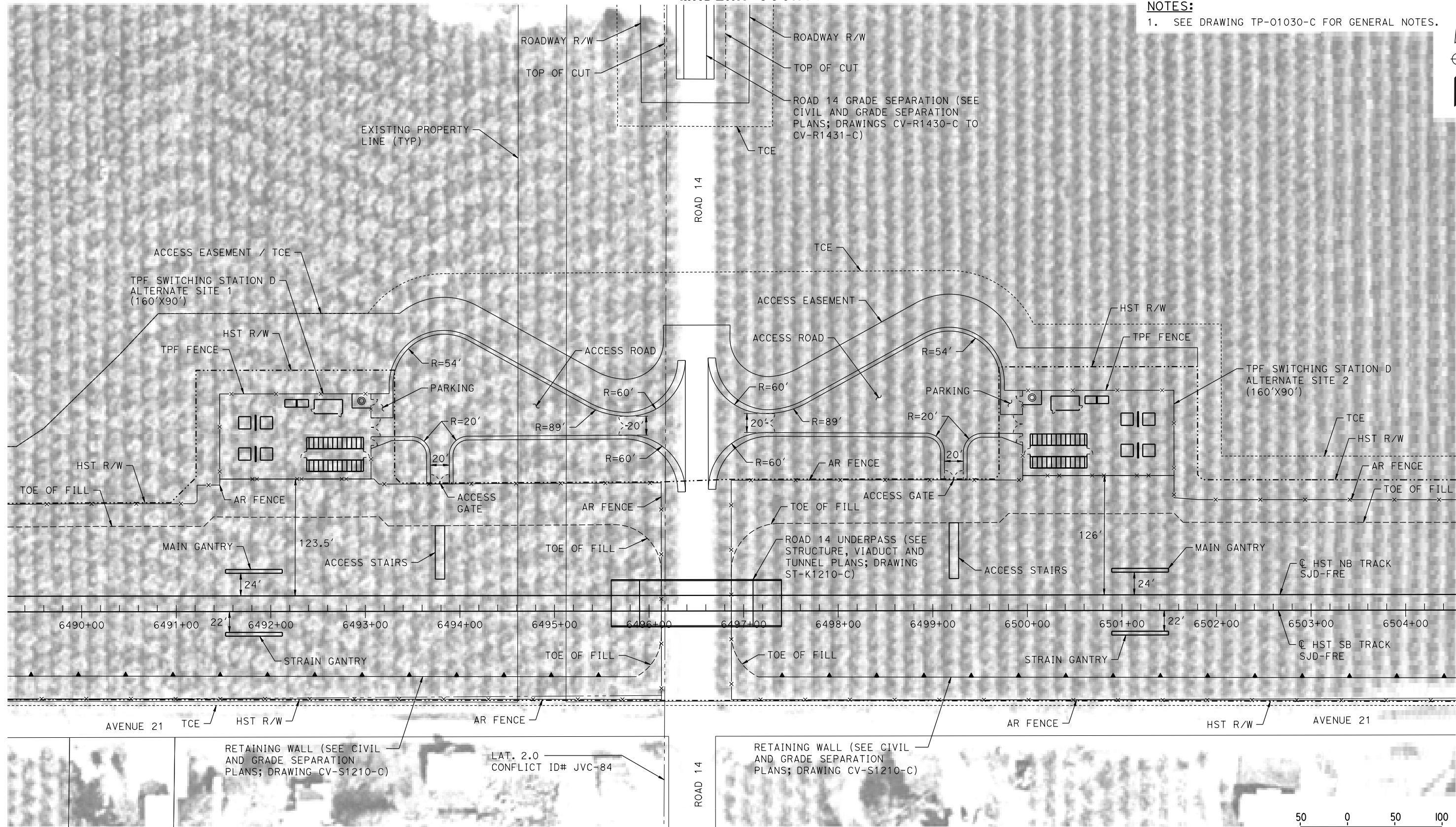
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITE 2

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

MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:24 MF-TP-01210-C.dgn

P005133A

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
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01210-C

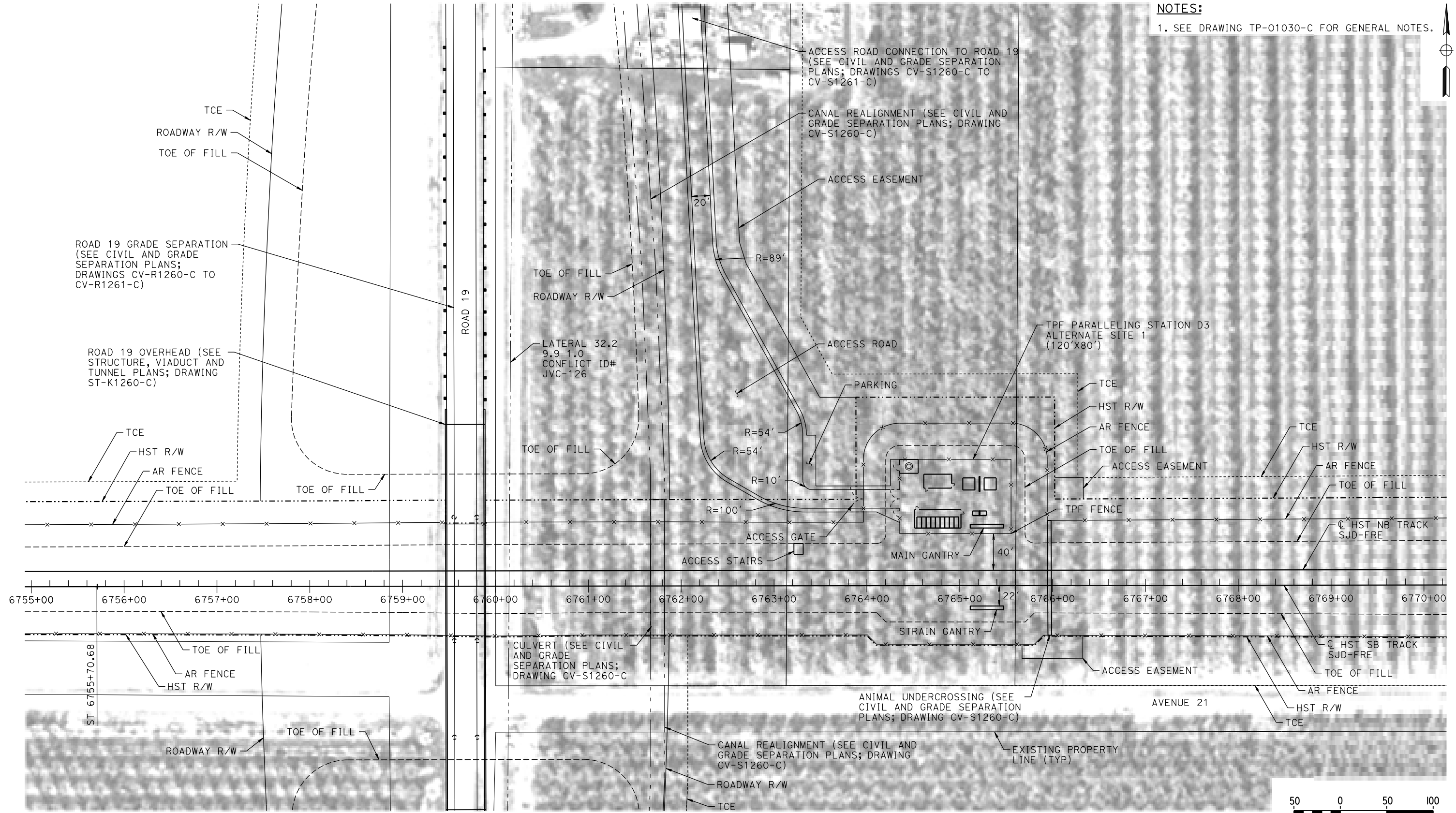
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SHEET NO.

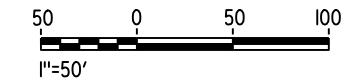
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 01:25 MF-TP-01260-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01260-C

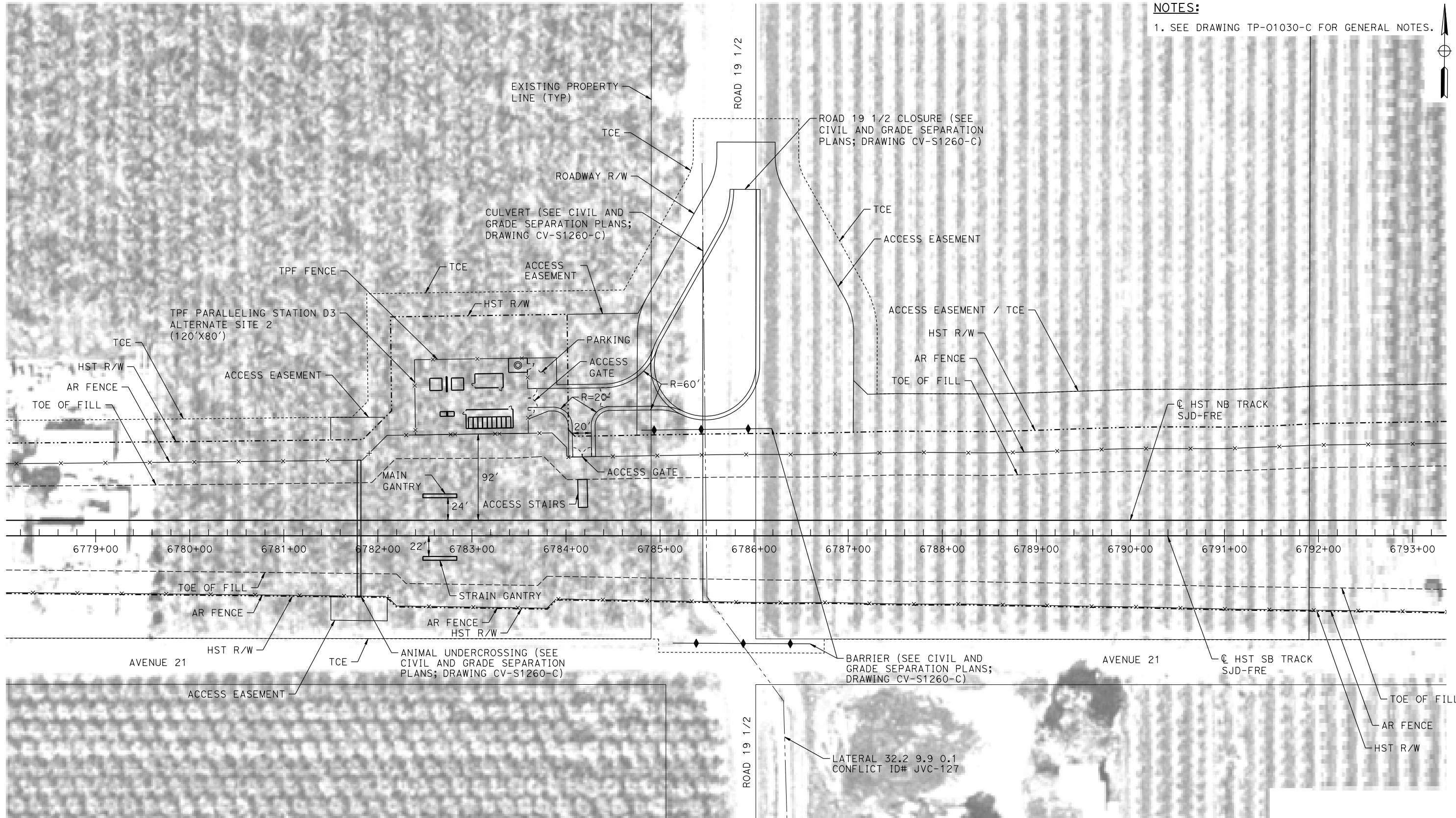
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SHEET NO.

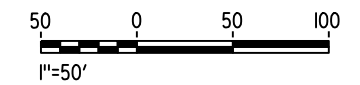
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



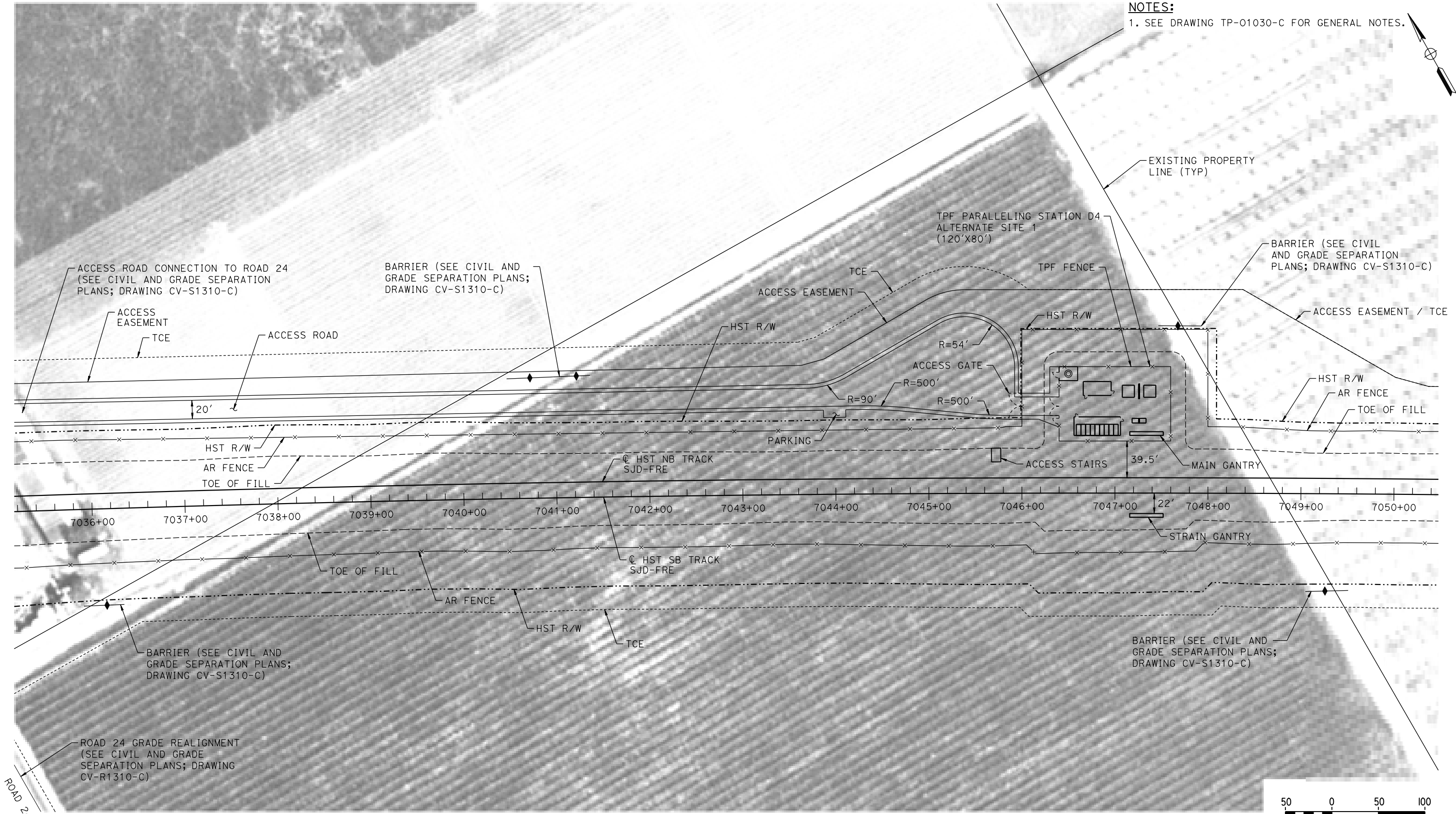
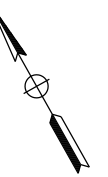
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 2

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

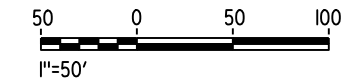
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

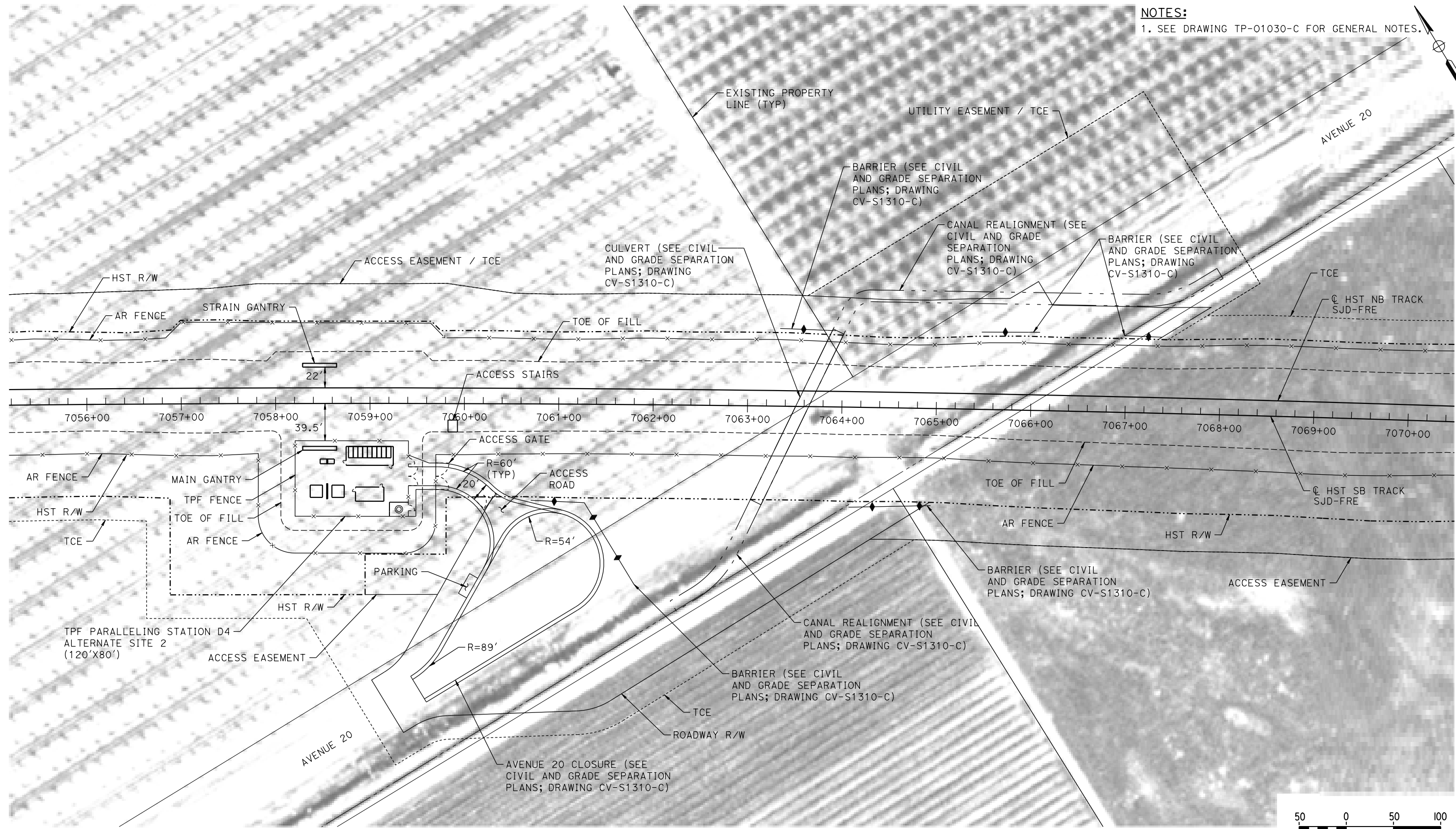
DRAWING NO.
TP-01310-C

SCALE
AS SHOWN

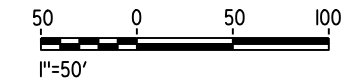
SHEET NO.

MADERA COUNTY

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

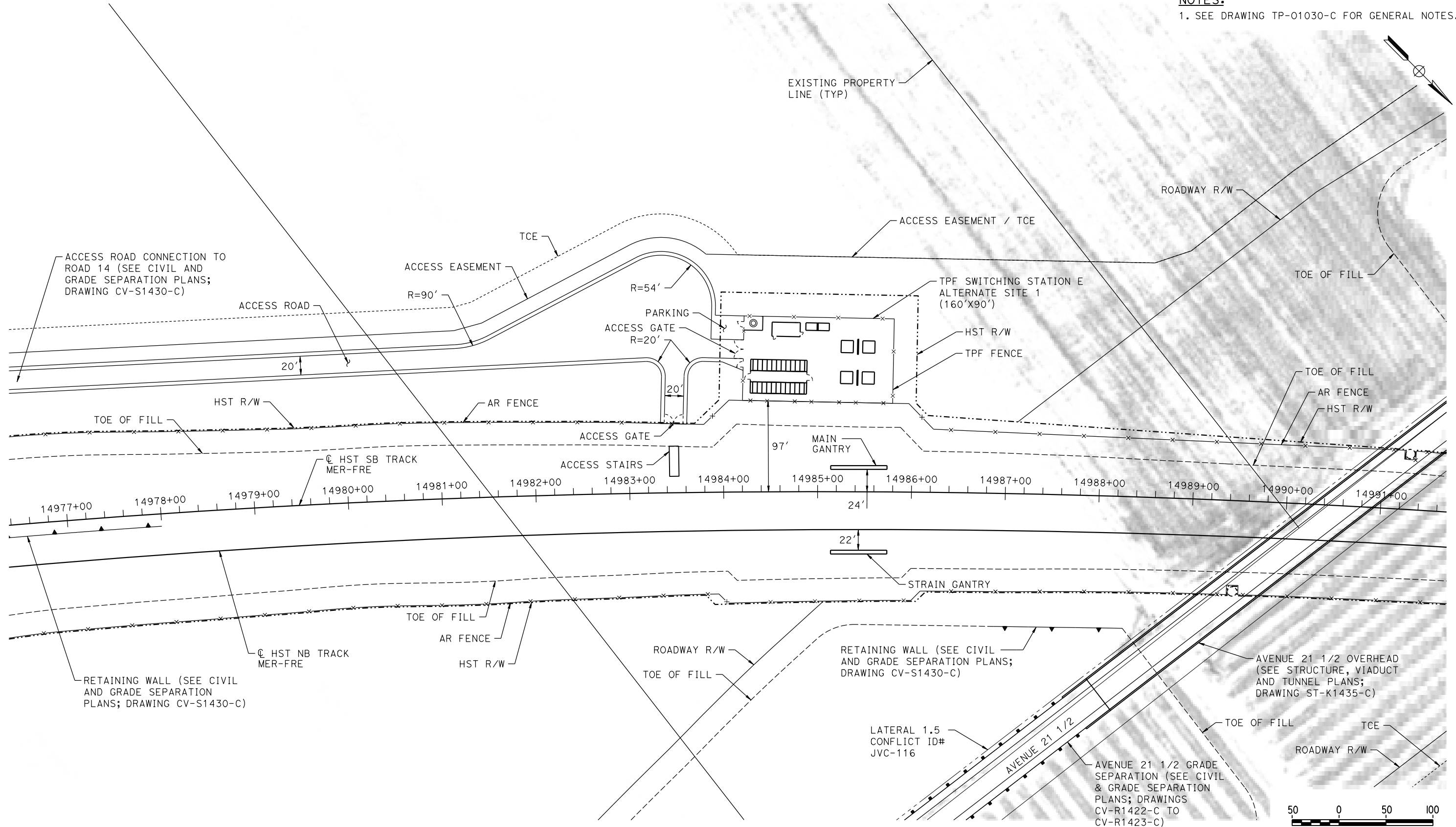


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01311-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN

MF-TP-01430-C.dgn
07-MAR-2016 12:51
P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

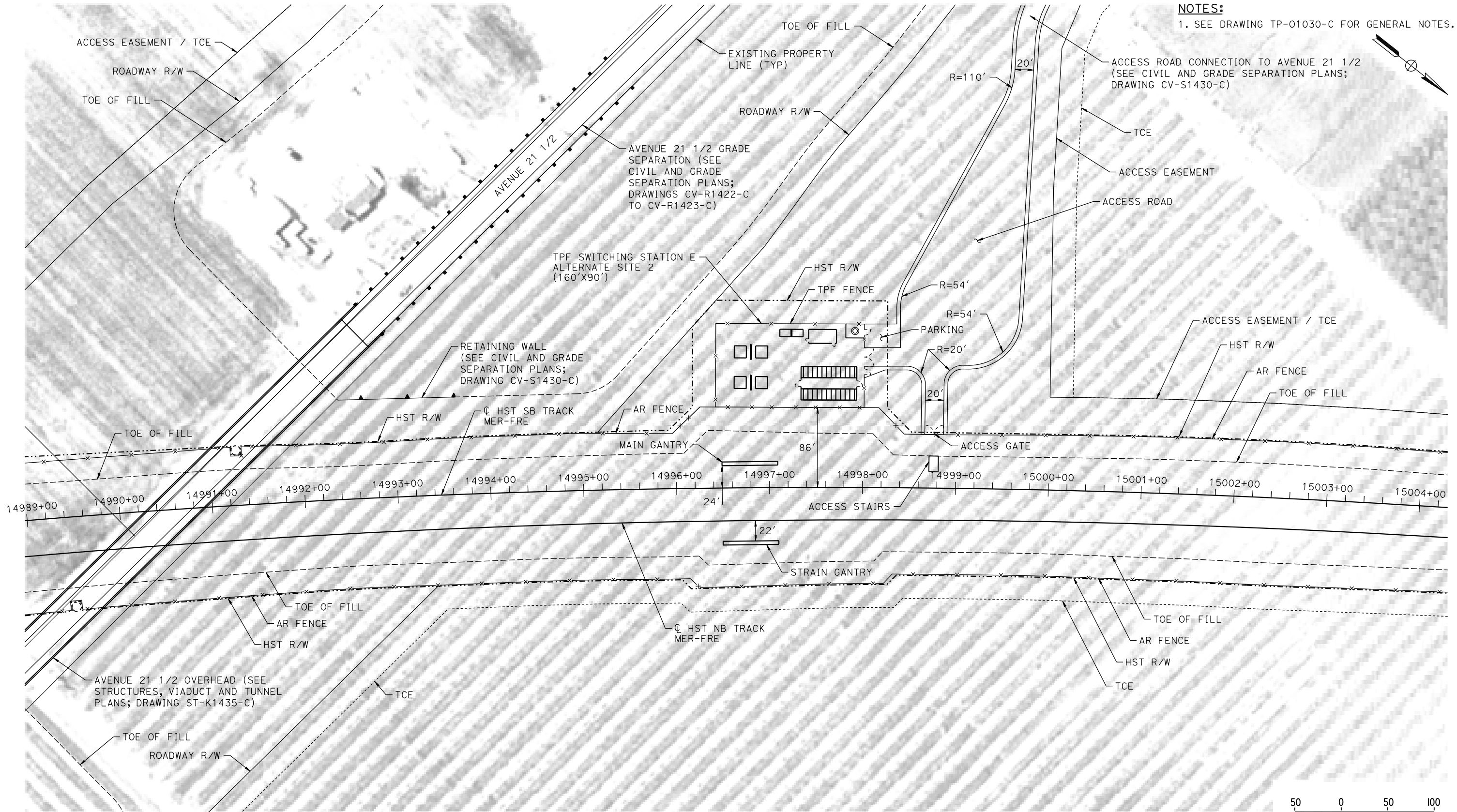
DRAWING NO.
TP-01430-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

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



PLAN

MF-TP-01431-C.dgn
07-MAR-2016 2:51
0005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

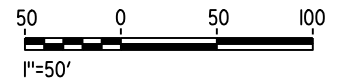
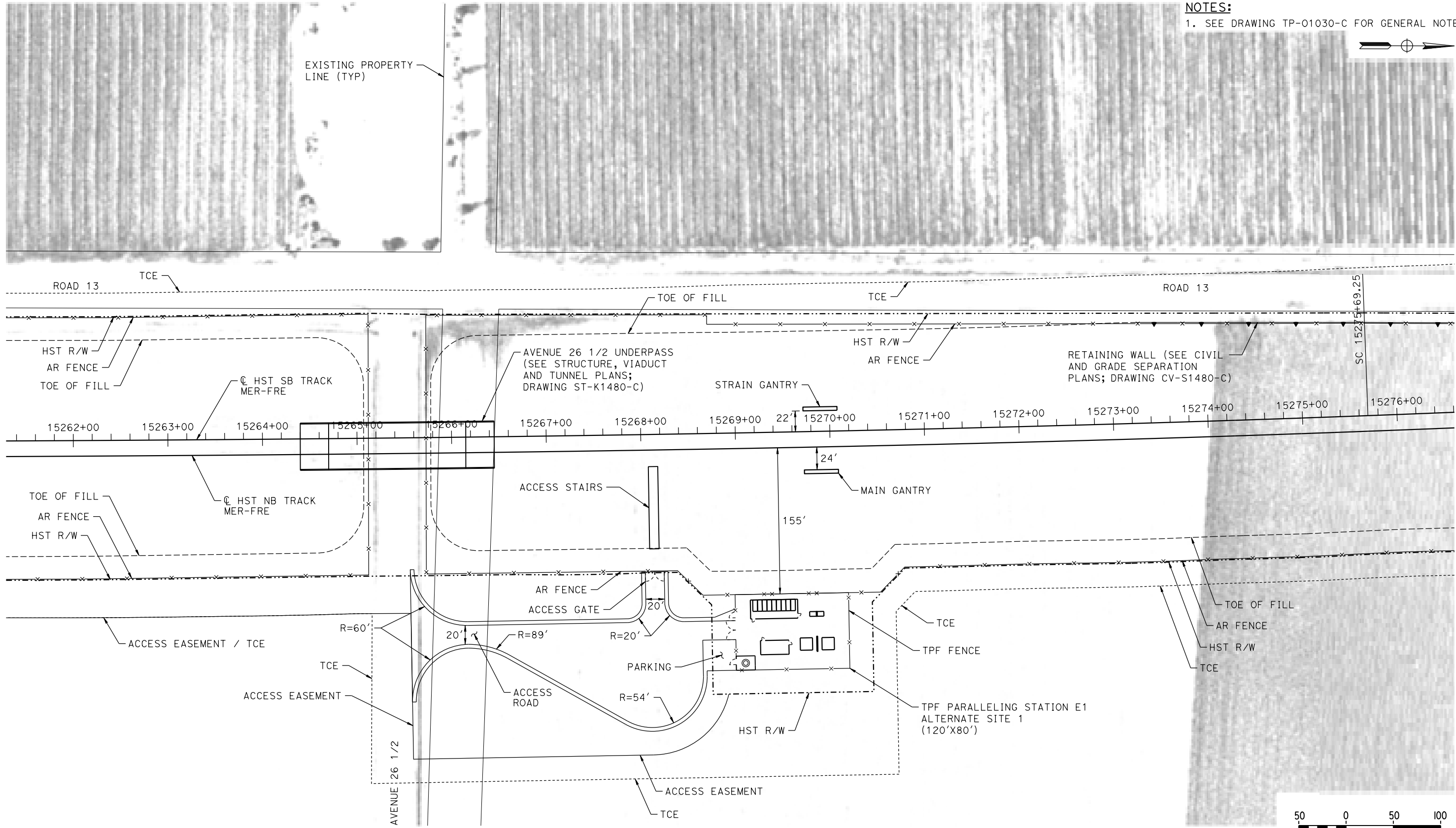


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 2

CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01431-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN

07-MAR-2016 16:21:52 MF-TP-01480-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

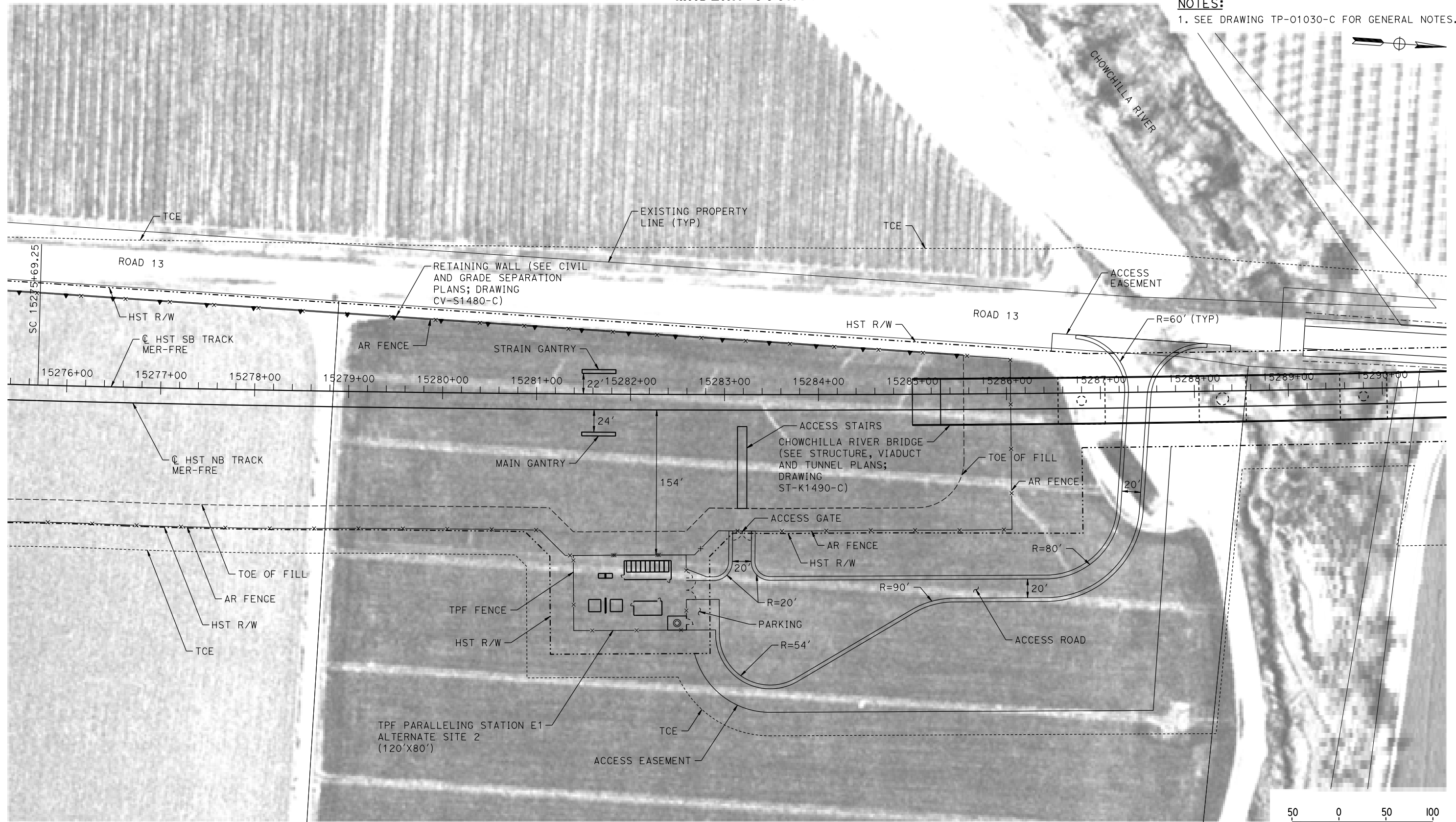


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 1

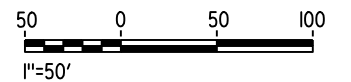
CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01480-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

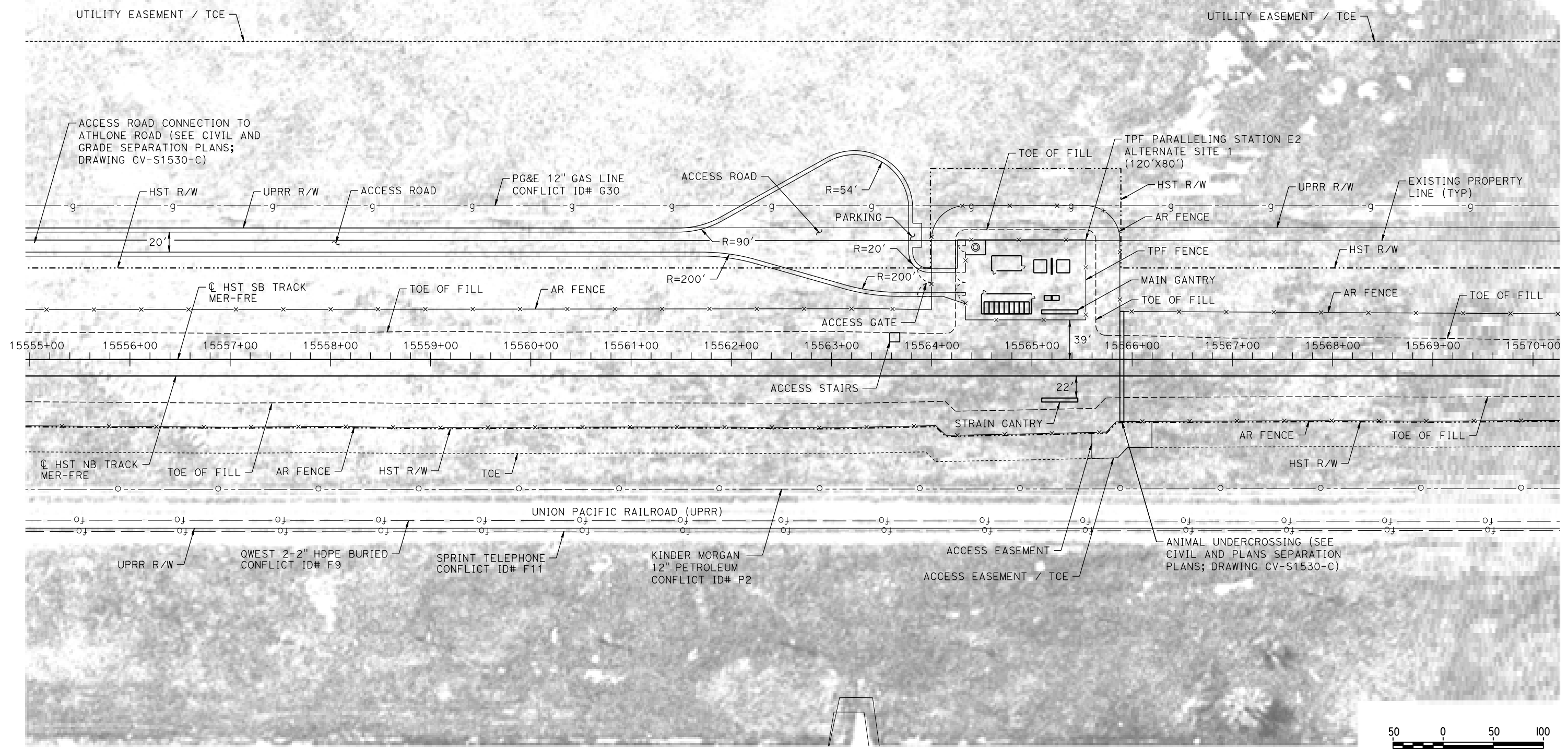
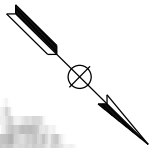


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 2

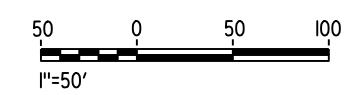
CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01481-C
SCALE
AS SHOWN
SHEET NO.

MERCED COUNTY

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



PLAN



07-MAR-2016 2:53 MF-TP-01530-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



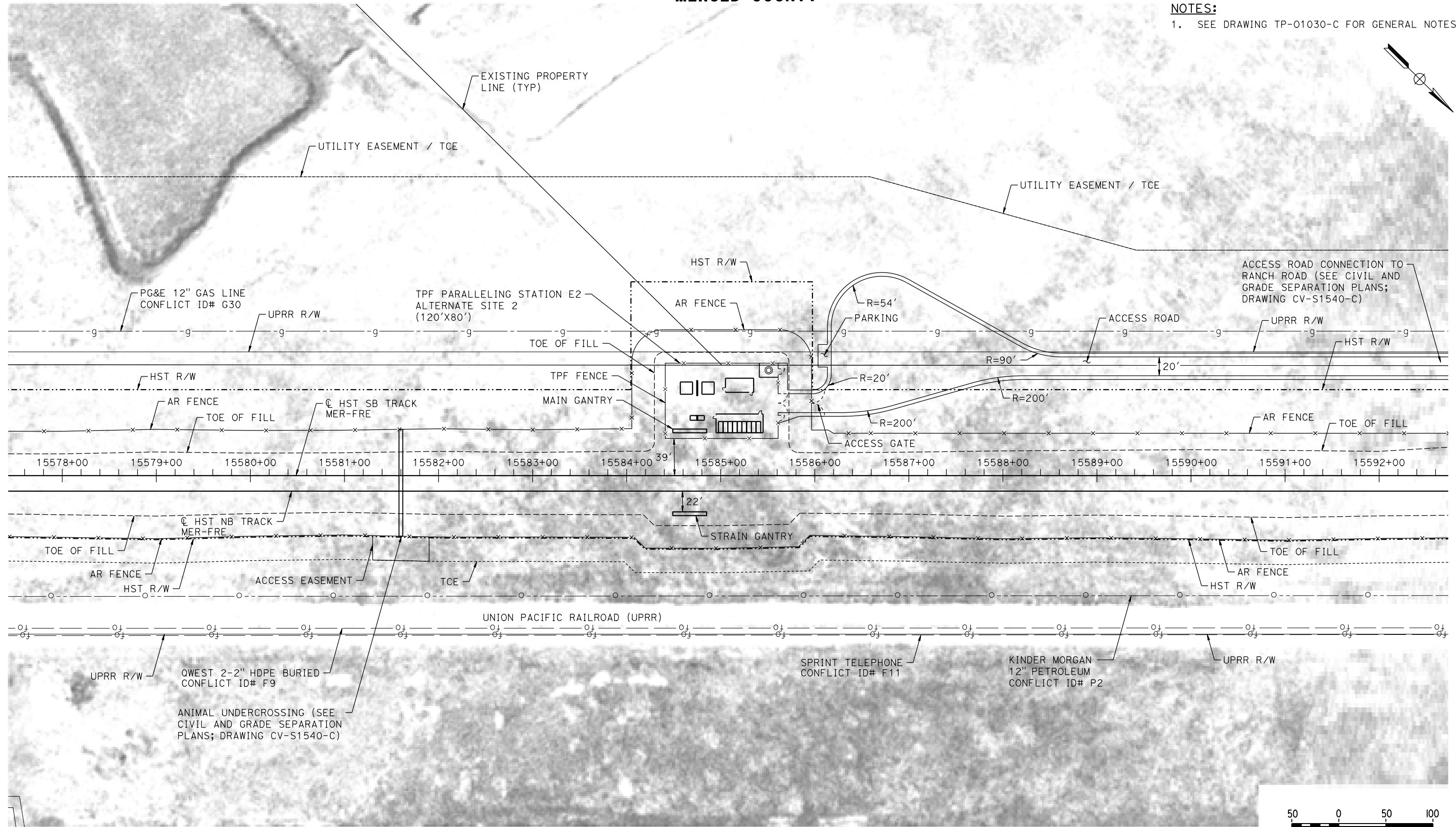
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

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

MERCED COUNTY

NOTES:

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



PLAN

18-MAR-2016 10:31 MF-TP-01540-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

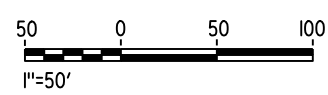
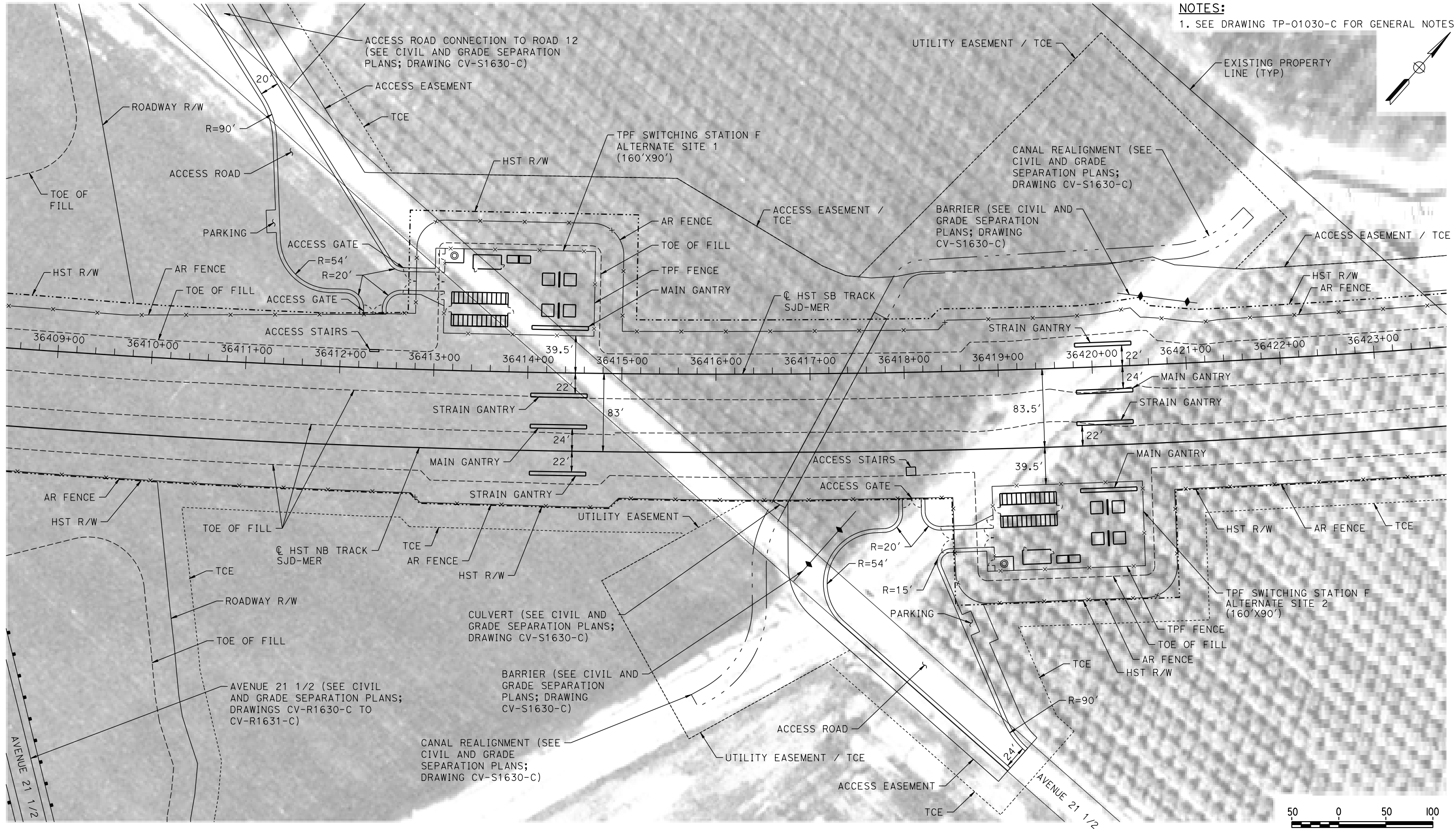
DRAWING NO.
TP-01540-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

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



PLAN

18-MAR-2016 10:32 MF-TP-01630-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



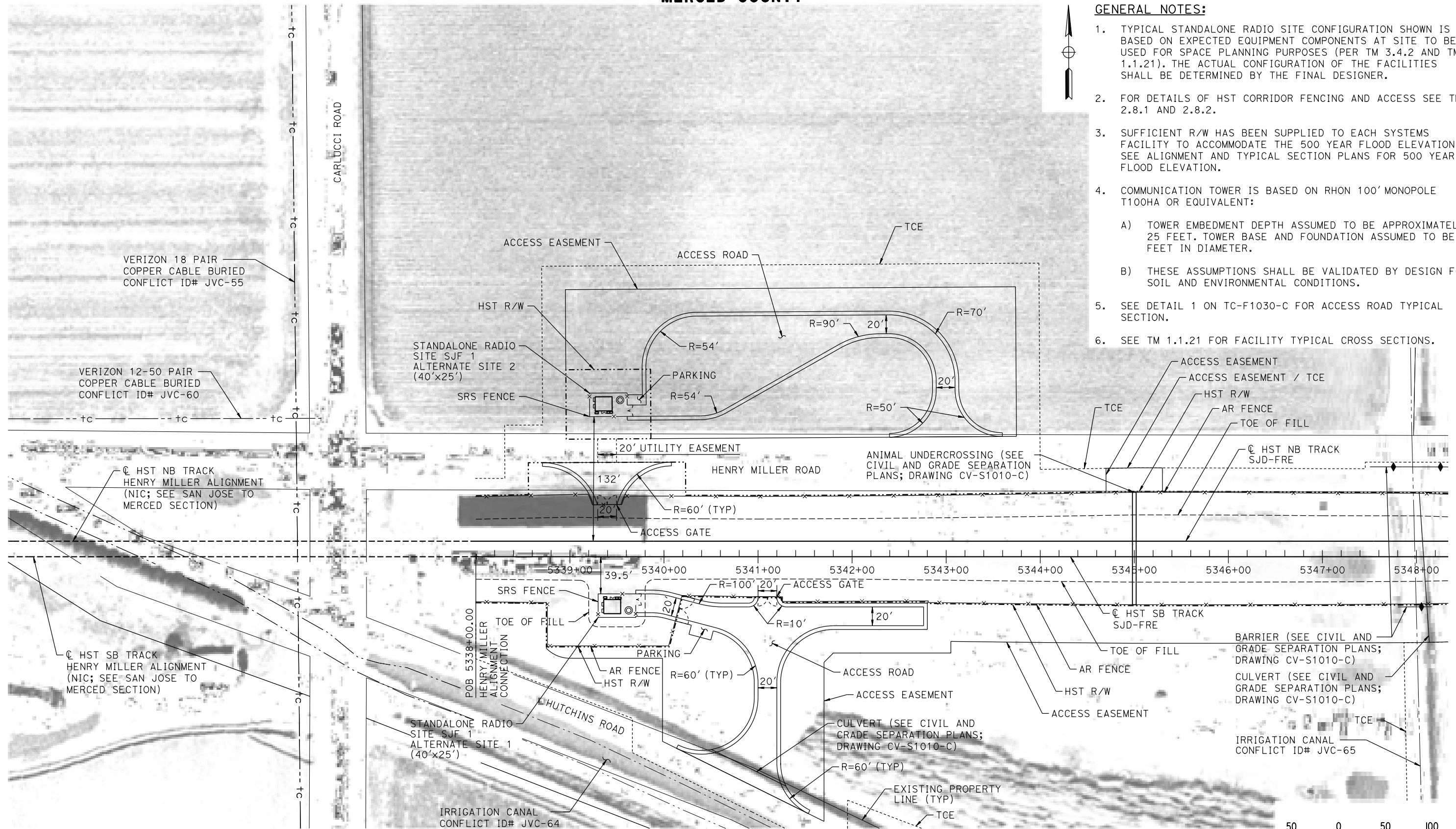
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

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

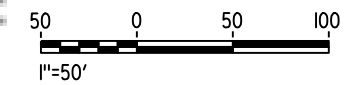
MERCED COUNTY

GENERAL NOTES:

1. TYPICAL STANDALONE RADIO SITE CONFIGURATION SHOWN IS BASED ON EXPECTED EQUIPMENT COMPONENTS AT SITE TO BE USED FOR SPACE PLANNING PURPOSES (PER TM 3.4.2 AND TM 1.1.21). THE ACTUAL CONFIGURATION OF THE FACILITIES SHALL BE DETERMINED BY THE FINAL DESIGNER.
2. FOR DETAILS OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.8.1 AND 2.8.2.
3. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEMS FACILITY TO ACCOMMODATE THE 500 YEAR FLOOD ELEVATION. SEE ALIGNMENT AND TYPICAL SECTION PLANS FOR 500 YEAR FLOOD ELEVATION.
4. COMMUNICATION TOWER IS BASED ON RHON 100' MONOPOLE T100HA OR EQUIVALENT:
 - A) TOWER EMBEDMENT DEPTH ASSUMED TO BE APPROXIMATELY 25 FEET. TOWER BASE AND FOUNDATION ASSUMED TO BE 5 FEET IN DIAMETER.
 - B) THESE ASSUMPTIONS SHALL BE VALIDATED BY DESIGN FOR SOIL AND ENVIRONMENTAL CONDITIONS.
5. SEE DETAIL 1 ON TC-F1030-C FOR ACCESS ROAD TYPICAL SECTION.
6. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.



PLAN



18-MAR-2016 10:32 MF-CO-F1010-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1010-C

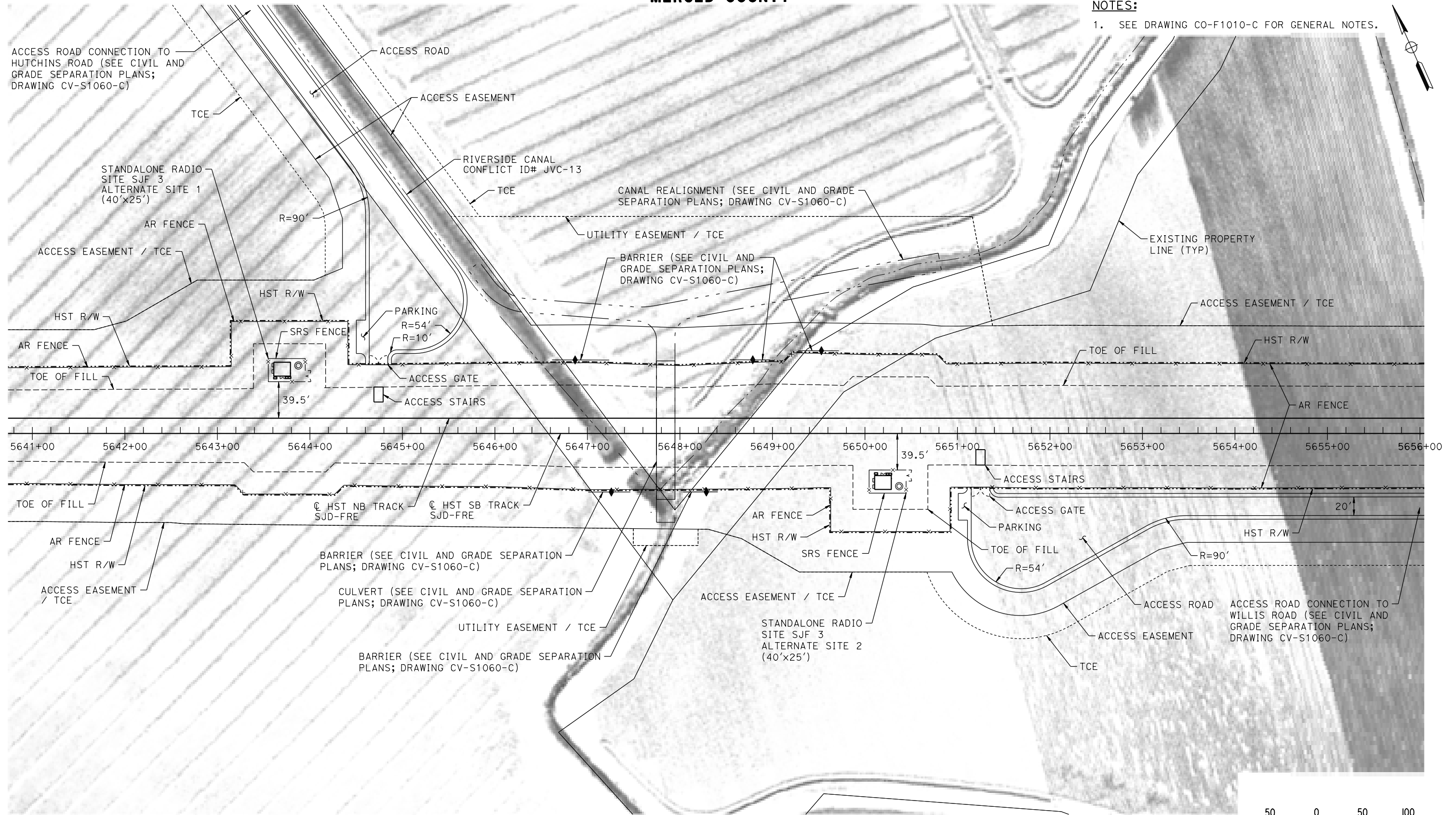
SCALE
AS SHOWN

SHEET NO.

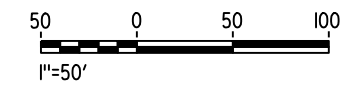
MERCED COUNTY

NOTES:

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



PLAN



07-MAR-2016 16:21:30 MF-CO-F1060-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 3 ALTERNATE SITES 1 & 2

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

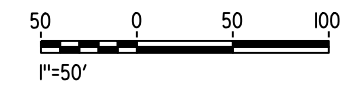
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1150-C

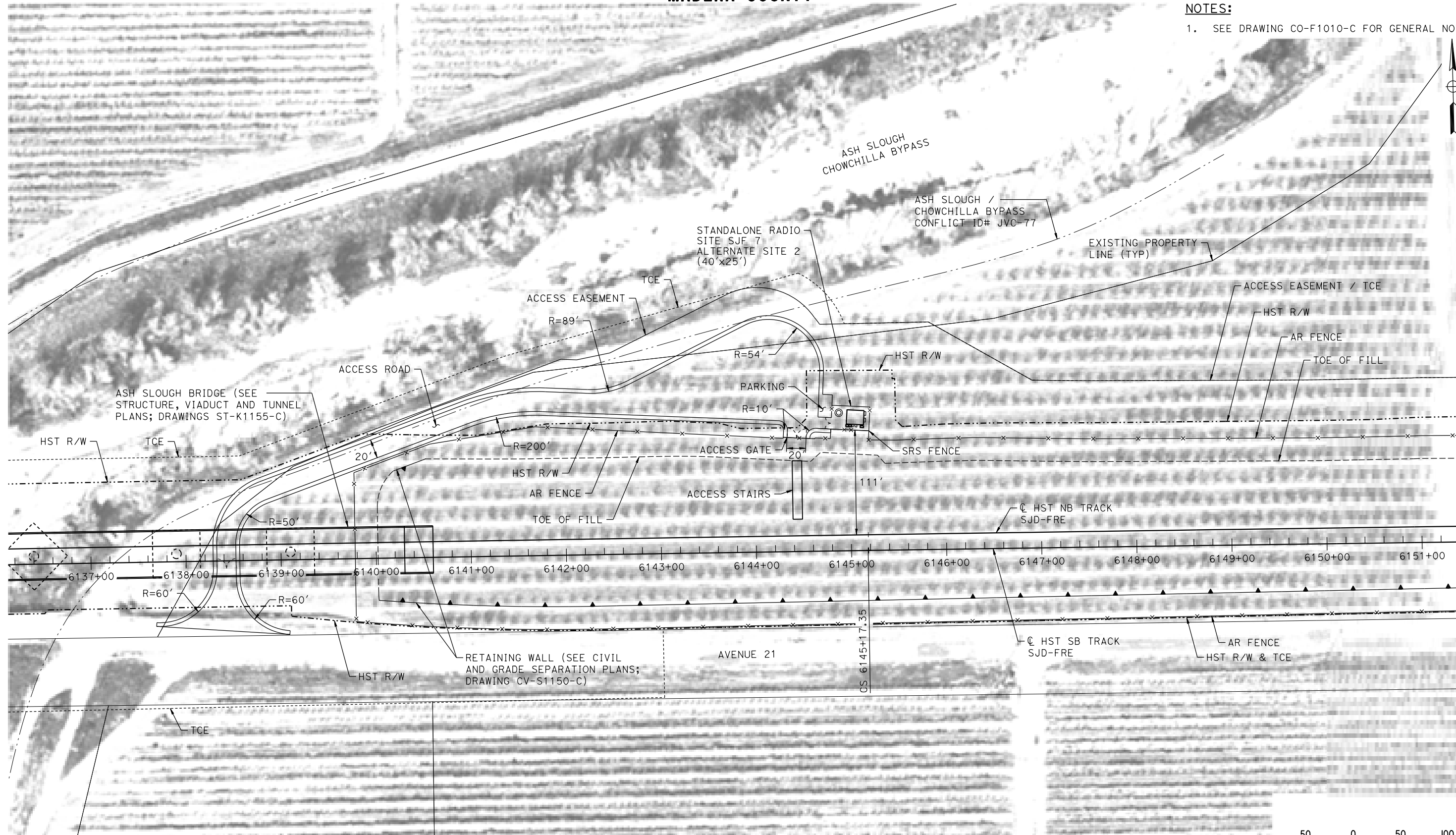
SCALE
AS SHOWN

SHEET NO.

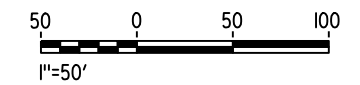
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:33 MF-CO-F1151-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



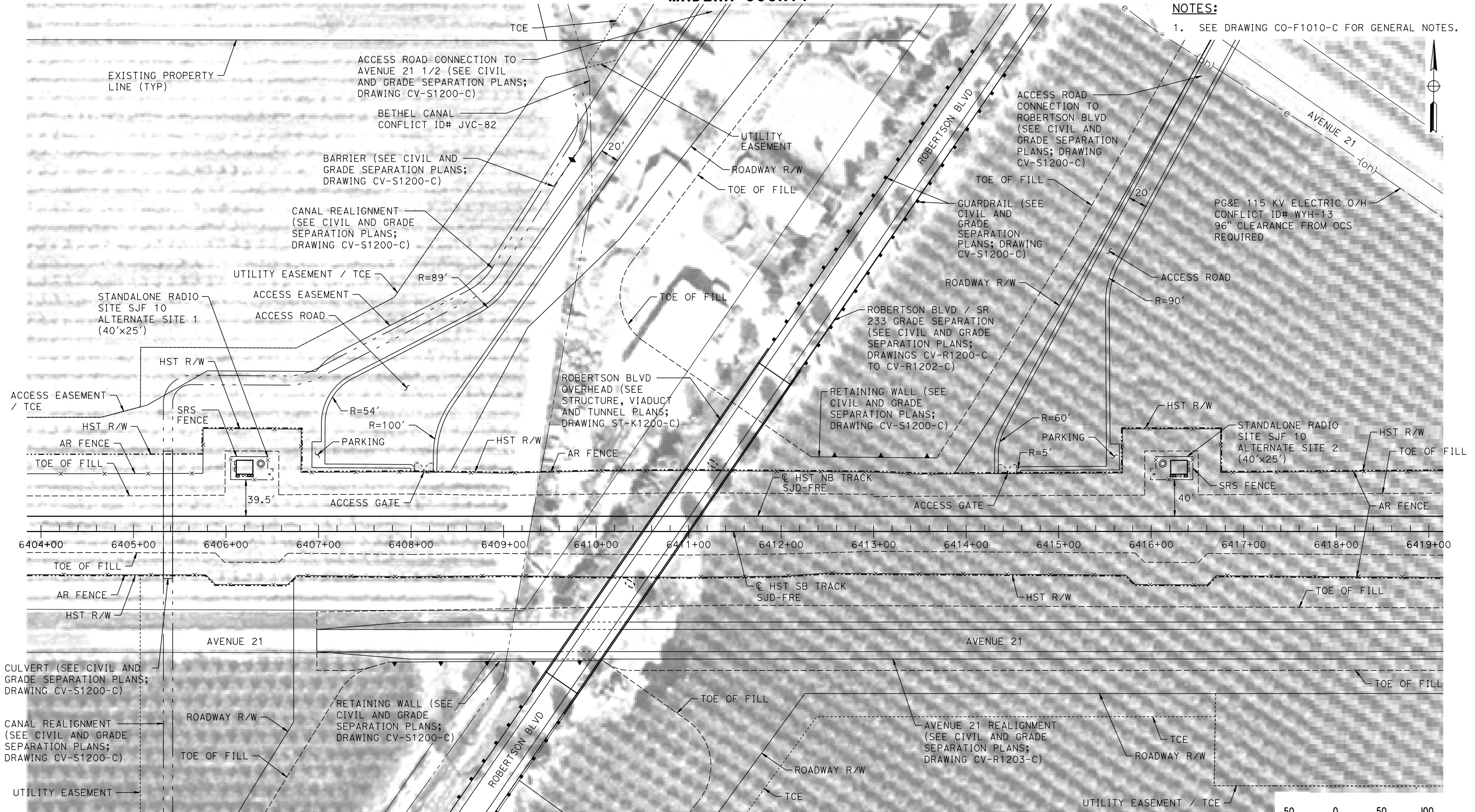
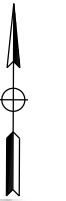
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 2

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

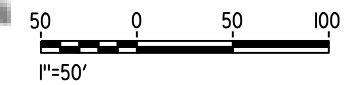
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 10 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1200-C

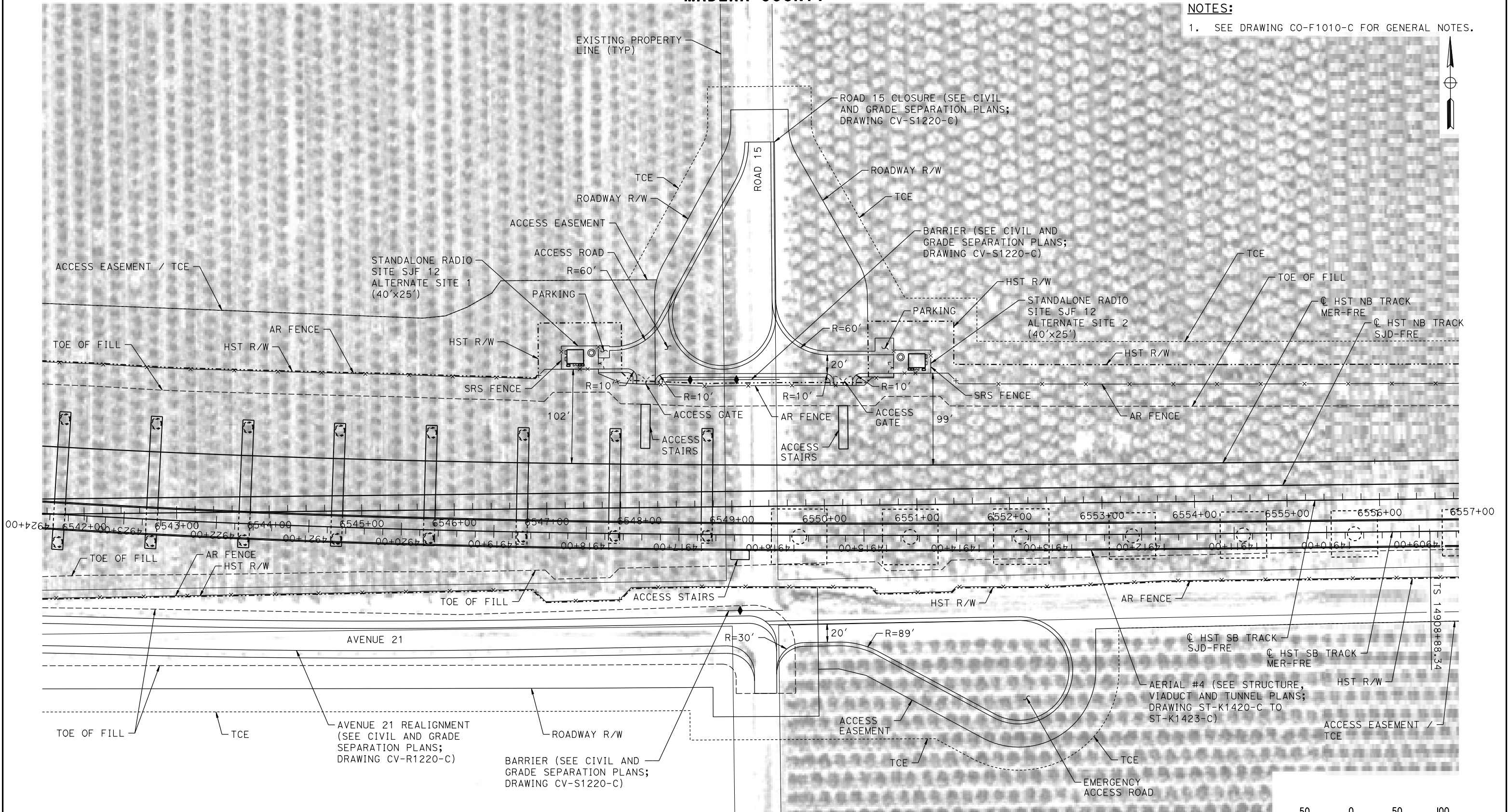
SCALE
AS SHOWN

SHEET NO.

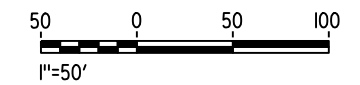
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:34 MF-CO-F1220-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1220-C

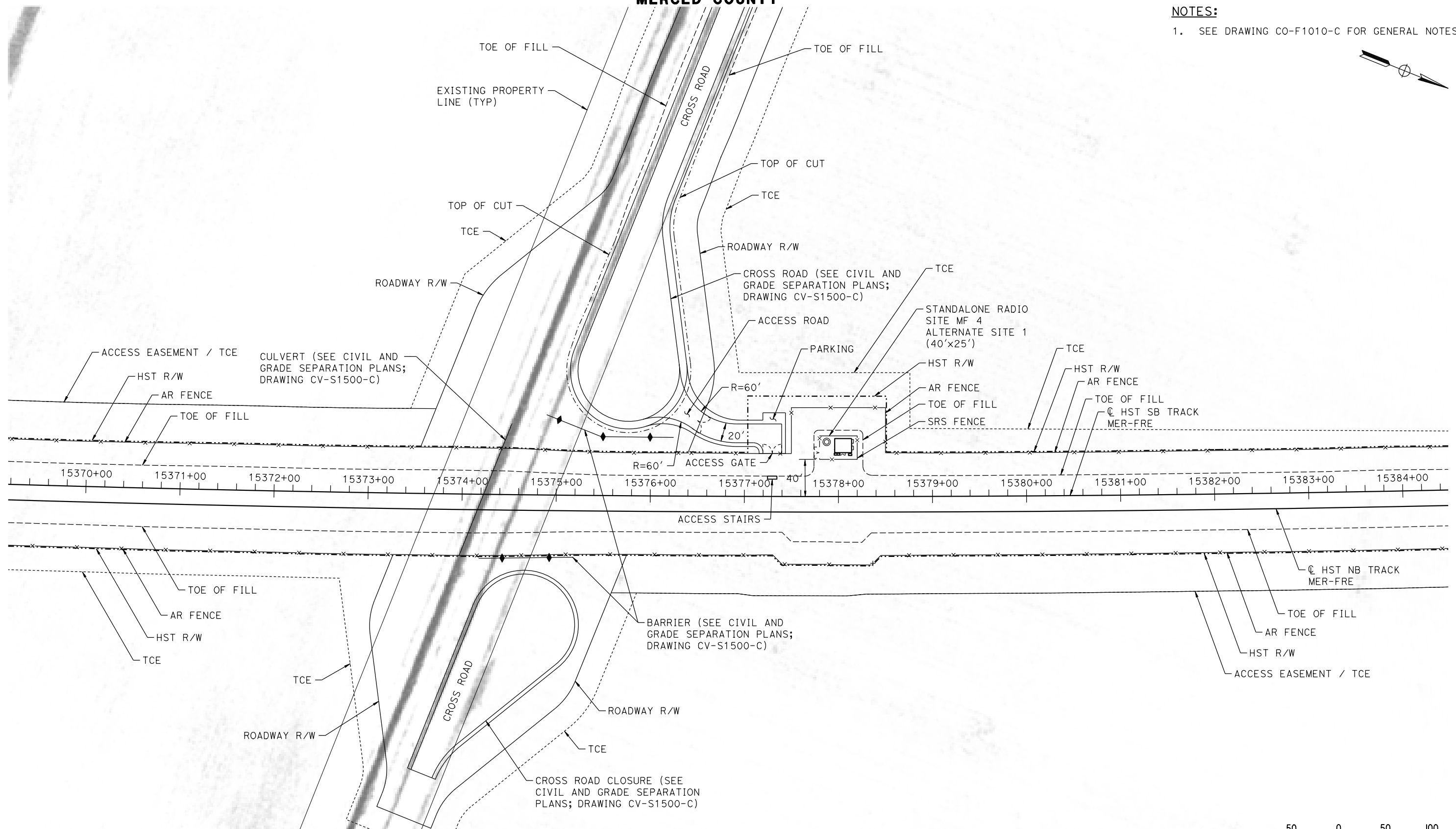
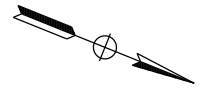
SCALE
AS SHOWN

SHEET NO.

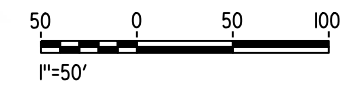
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:35 MF-CO-F1500-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



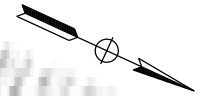
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 4 ALTERNATE SITE 1

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

MERCED COUNTY

NOTES:

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



ACCESS ROAD CONNECTION TO CROSS ROAD
(SEE CIVIL AND GRADE SEPARATION PLANS;
DRAWING CV-S1500-C)

ACCESS ROAD

TCE

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

SRS FENCE

STANDALONE RADIO
SITE MF 4
ALTERNATE SITE 2
(40'x25')

TCE

HST R/W

AR FENCE

TOE OF FILL

☉ HST SB TRACK
MER-FRE

ACCESS EASEMENT

TCE

HST R/W

AR FENCE

TOE OF FILL

R=54' (TYP)

PARKING

R=10'

ACCESS GATE

ACCESS STAIRS

ANIMAL UNDERCROSSING (SEE
CIVIL AND GRADE SEPARATION
PLANS; DRAWING CV-S1500-C)

ACCESS EASEMENT /
TCE

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

HST R/W

AR FENCE

TOE OF FILL

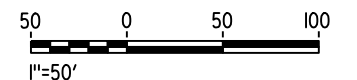
☉ HST NB TRACK
MER-FRE

15385+00 15386+00 15387+00 15388+00 15389+00 15390+00 15391+00 15392+00 15393+00 15394+00 15395+00 15396+00 15397+00 15398+00 15399+00

TOE OF FILL
AR FENCE
HST R/W
ACCESS EASEMENT / TCE

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

PLAN



MF-CO-F1501-C.dgn

07-MAR-2016 12:34

P005133A

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

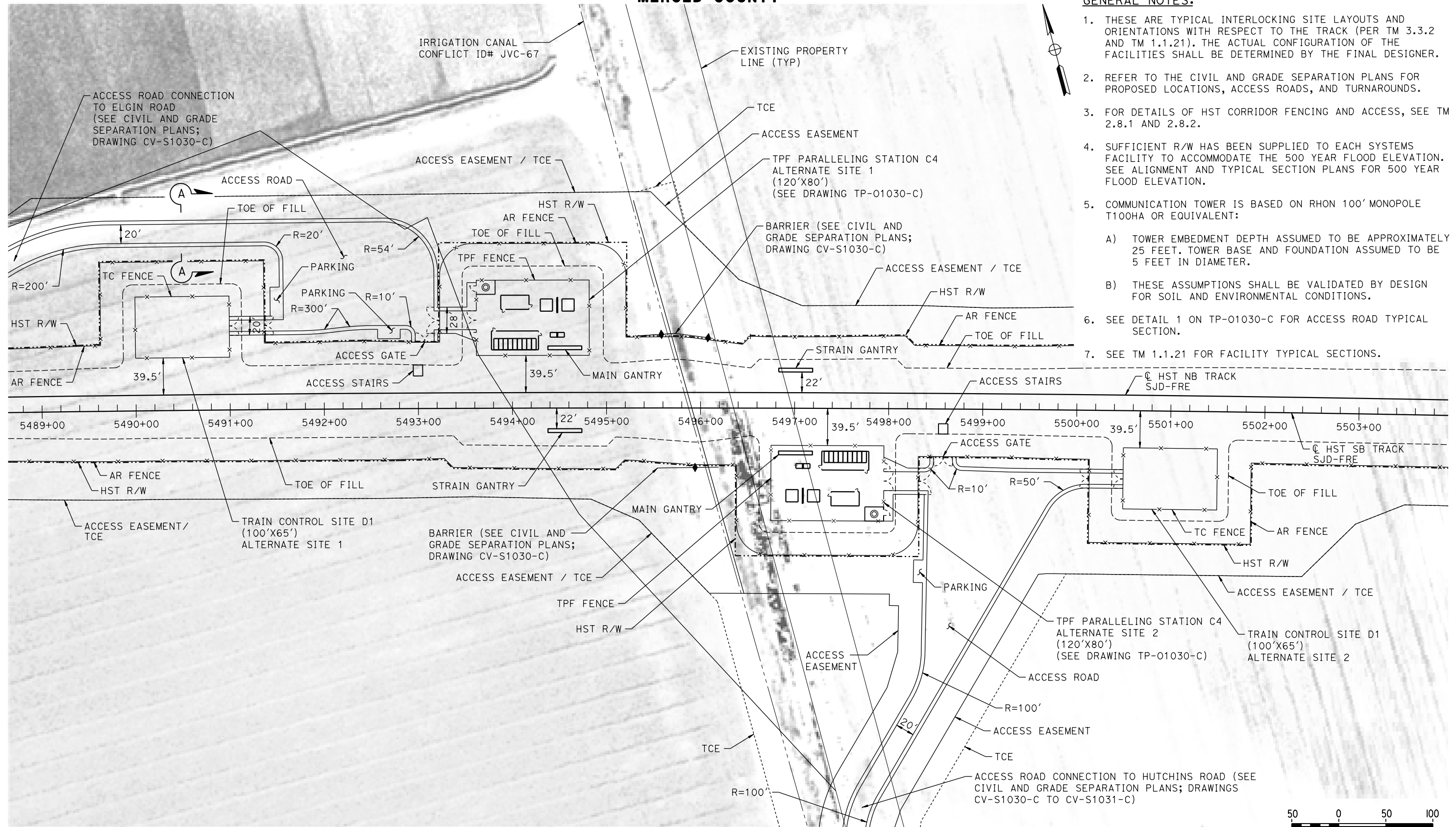
NOT FOR
CONSTRUCTION



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

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

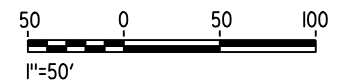
MERCED COUNTY



GENERAL NOTES:

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

PLAN



11-MAR-2016 10:17:54 MF-TC-F1030-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



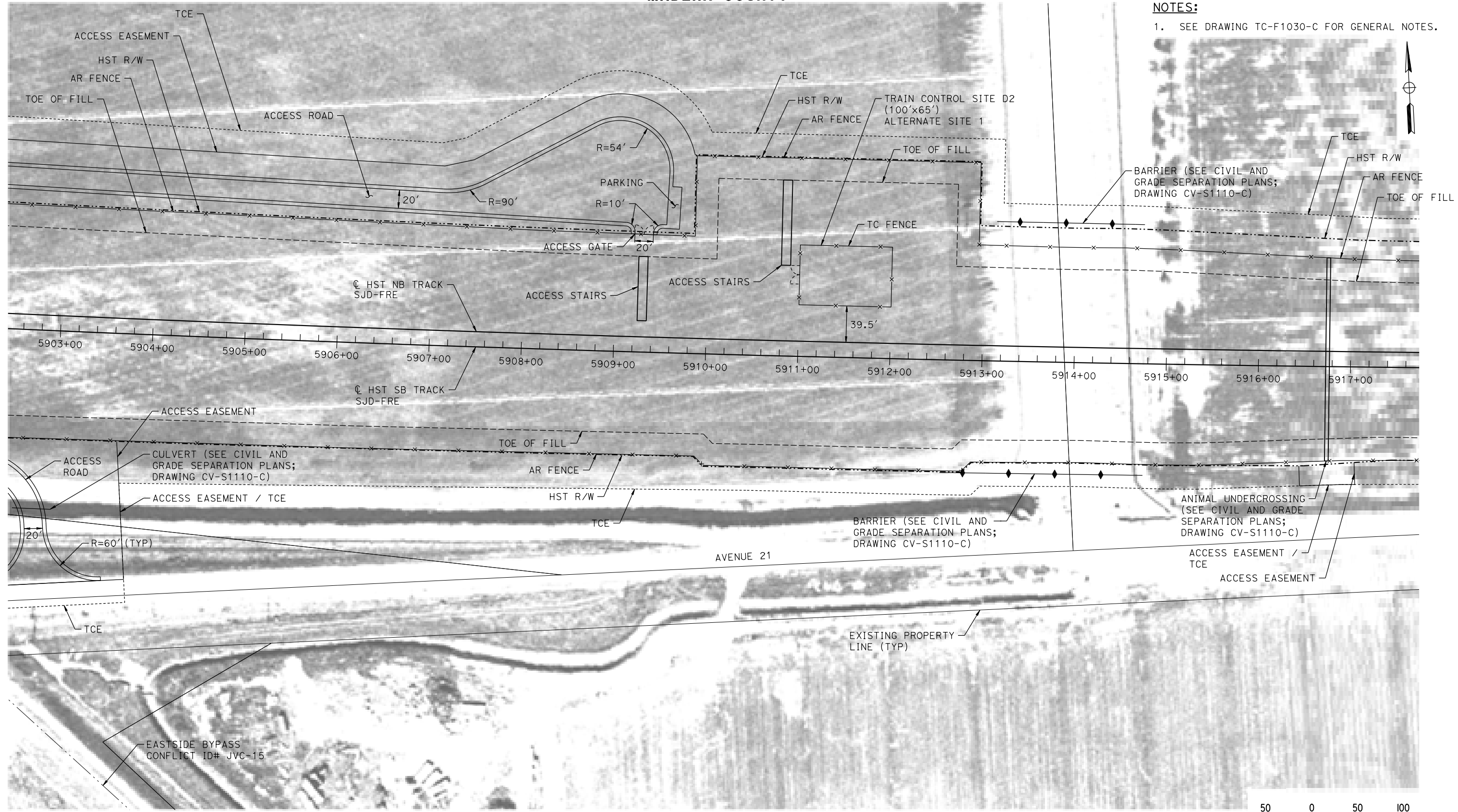
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITES 1 & 2

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

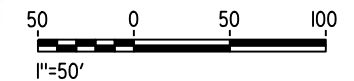
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:35 MF-TC-F1110-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



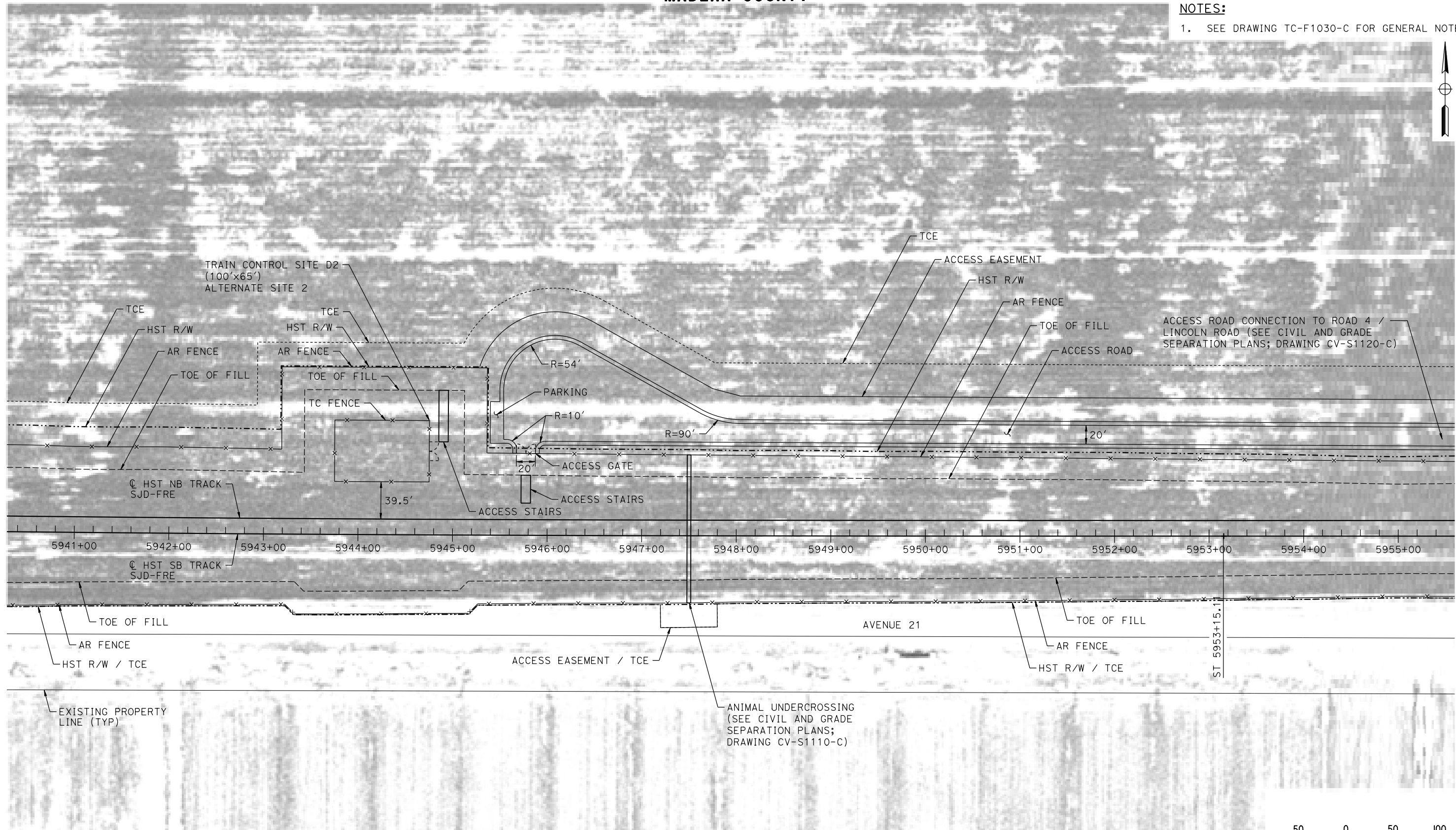
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 1

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

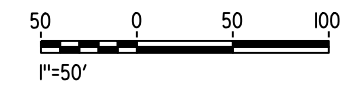
MADERA COUNTY

NOTES:

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



PLAN



07-MAR-2016 12:36 MF-TC-F1111-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1111-C

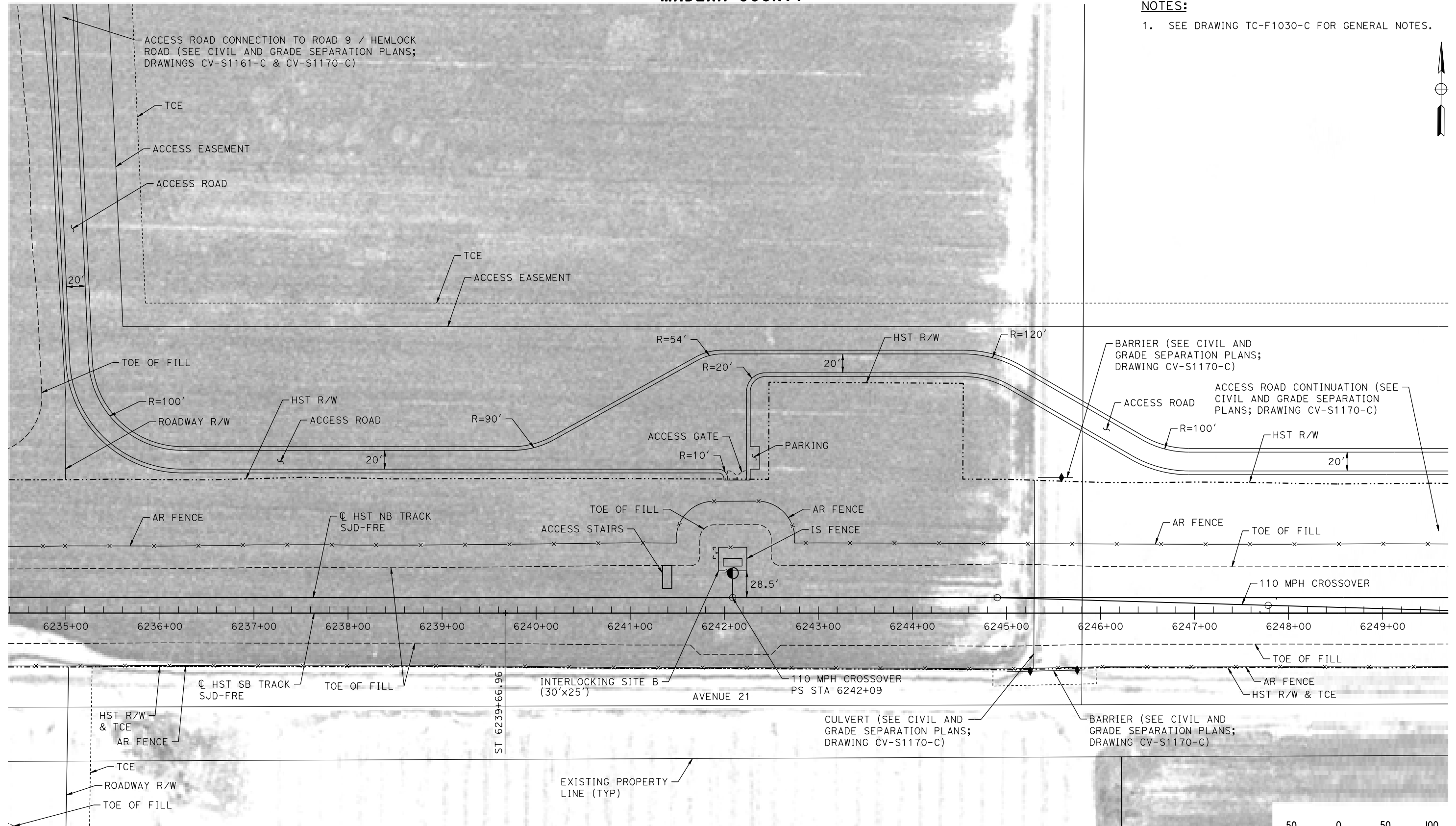
SCALE
AS SHOWN

SHEET NO.

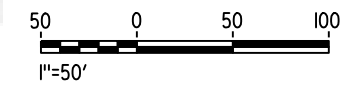
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:35 MF-TC-F1170-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

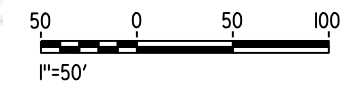
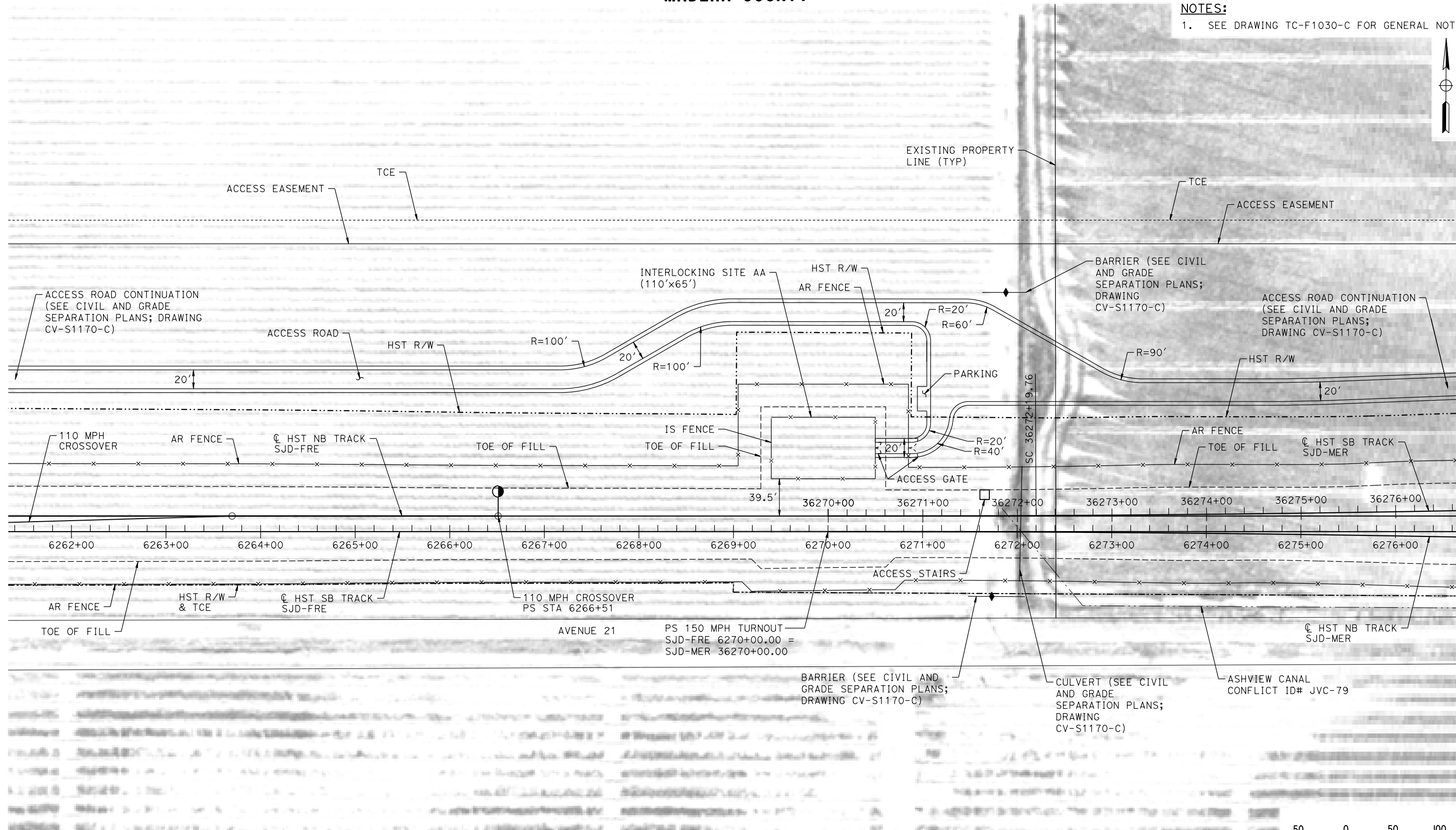
DRAWING NO.
TC-F1170-C

SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

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



07-MAR-2016 11:21:37 MF-TC-F1171-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6270+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1171-C

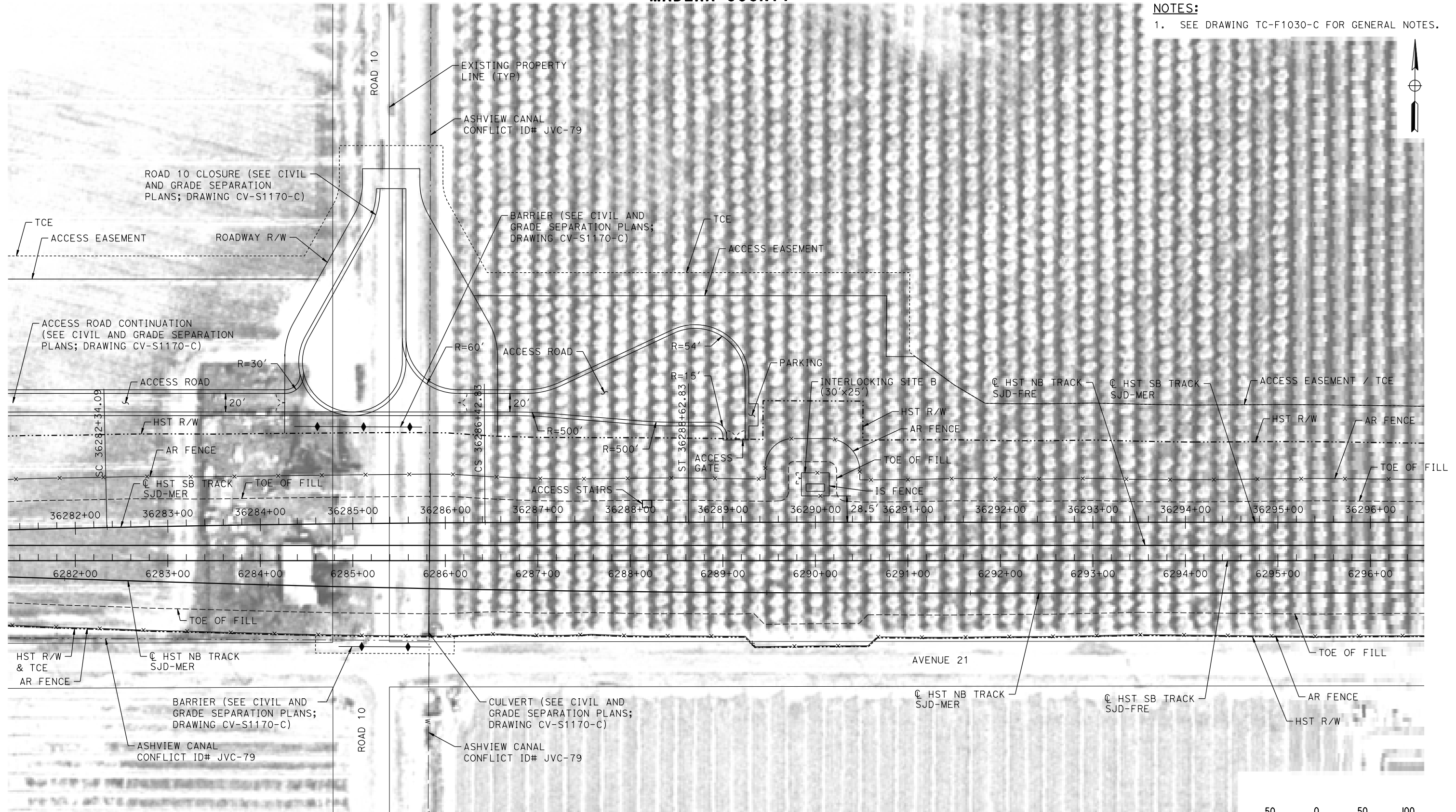
SCALE
AS SHOWN

SHEET NO.

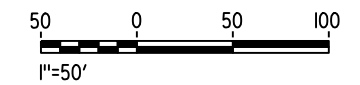
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. GURA

DRAWN BY
M. TACTAY

CHECKED BY
A. GURA

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6290+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1172-C

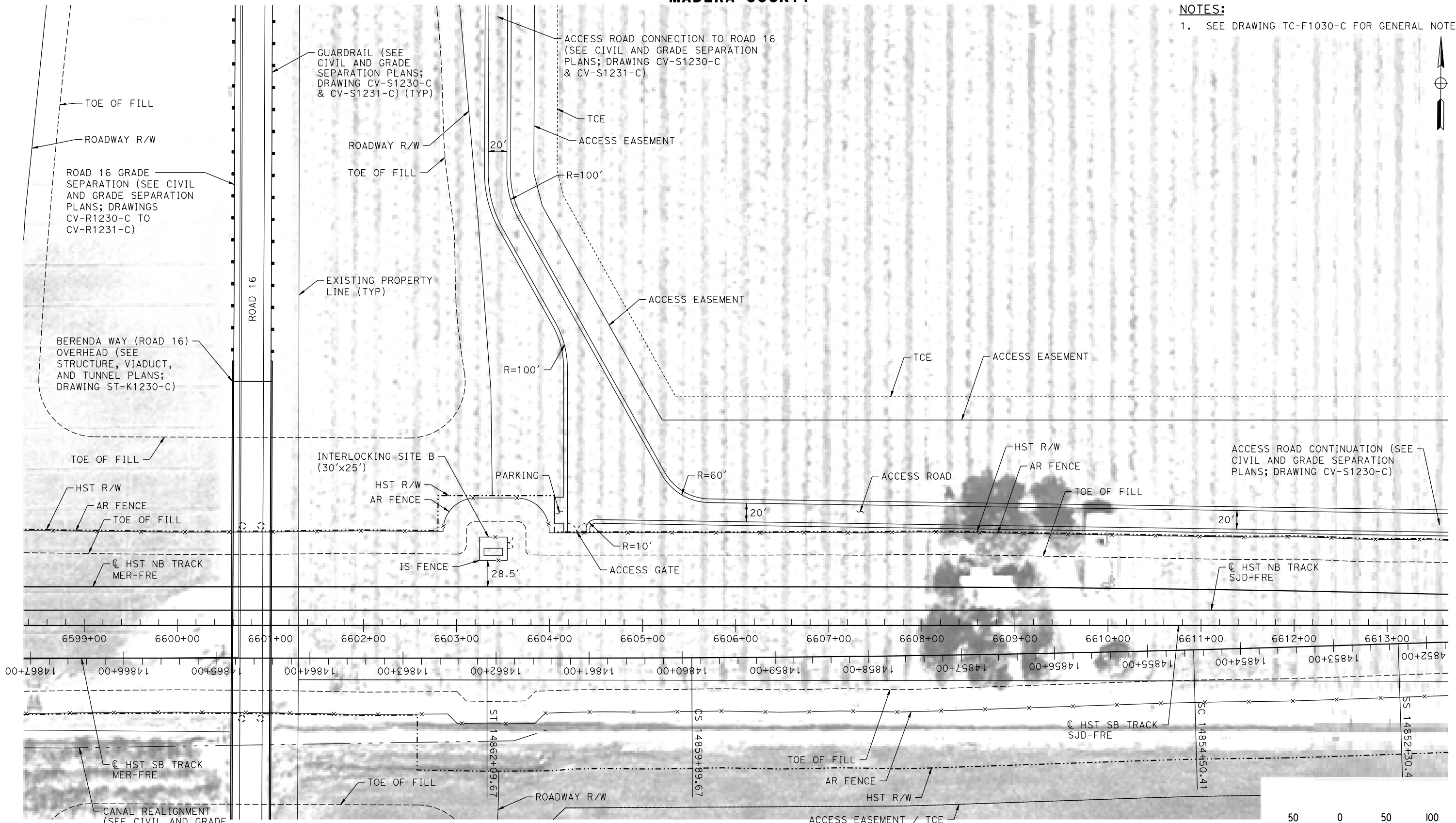
SCALE
AS SHOWN

SHEET NO.

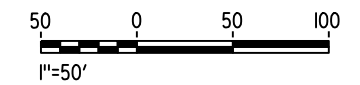
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

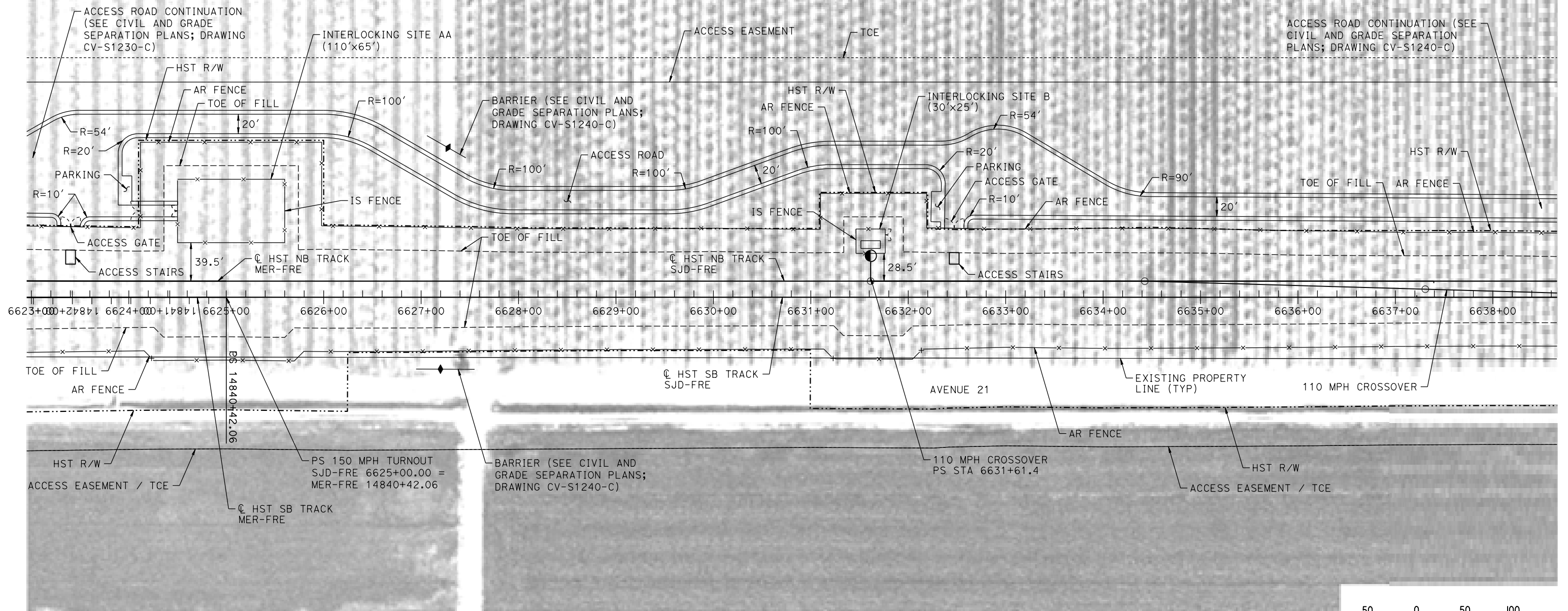
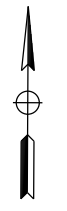


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6603+50

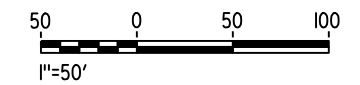
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1230-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



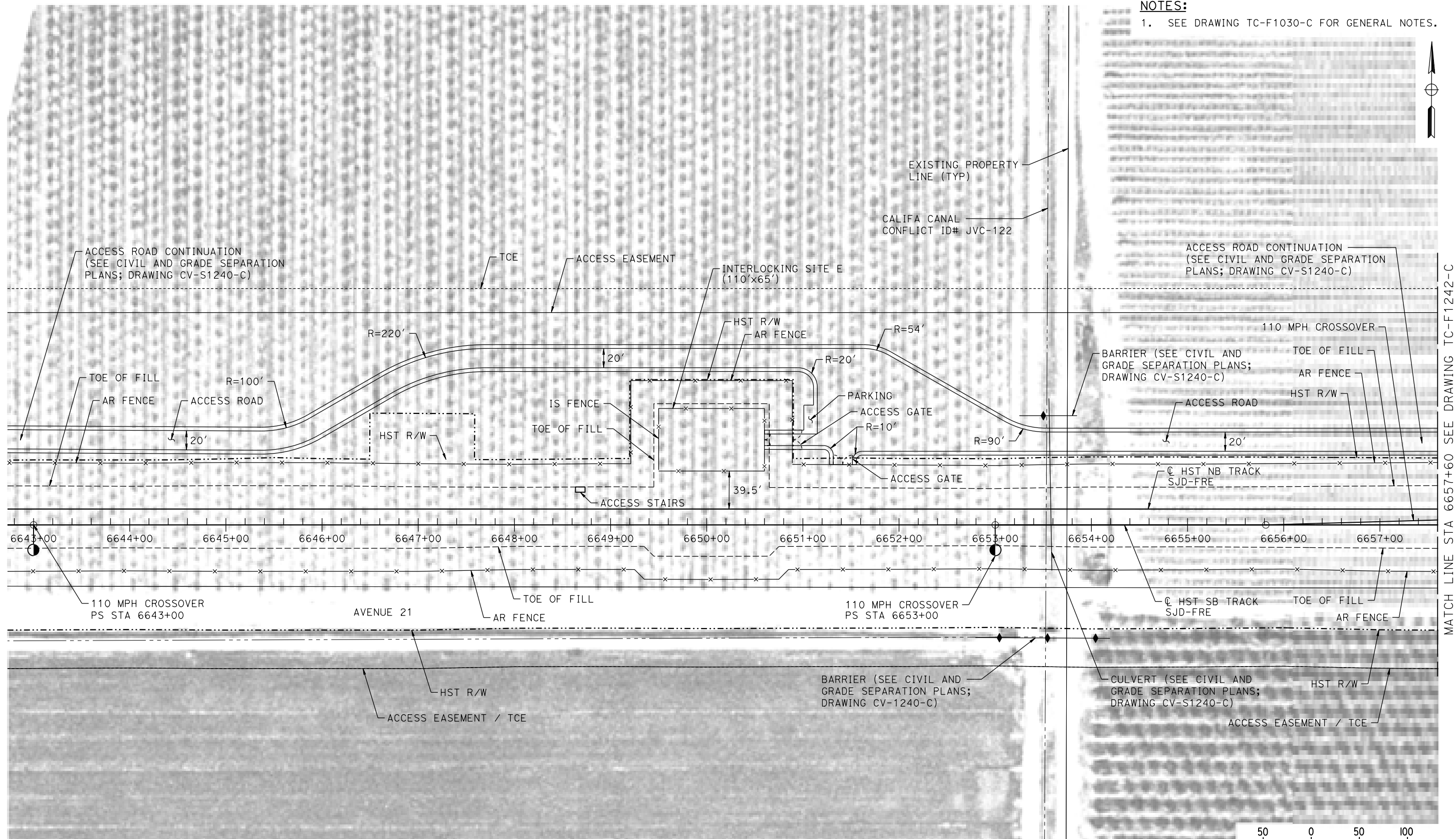
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6625+00 & SITE B @ 6631+61.4

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

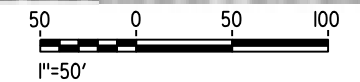
MADERA COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:36 MF-TC-F1241-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

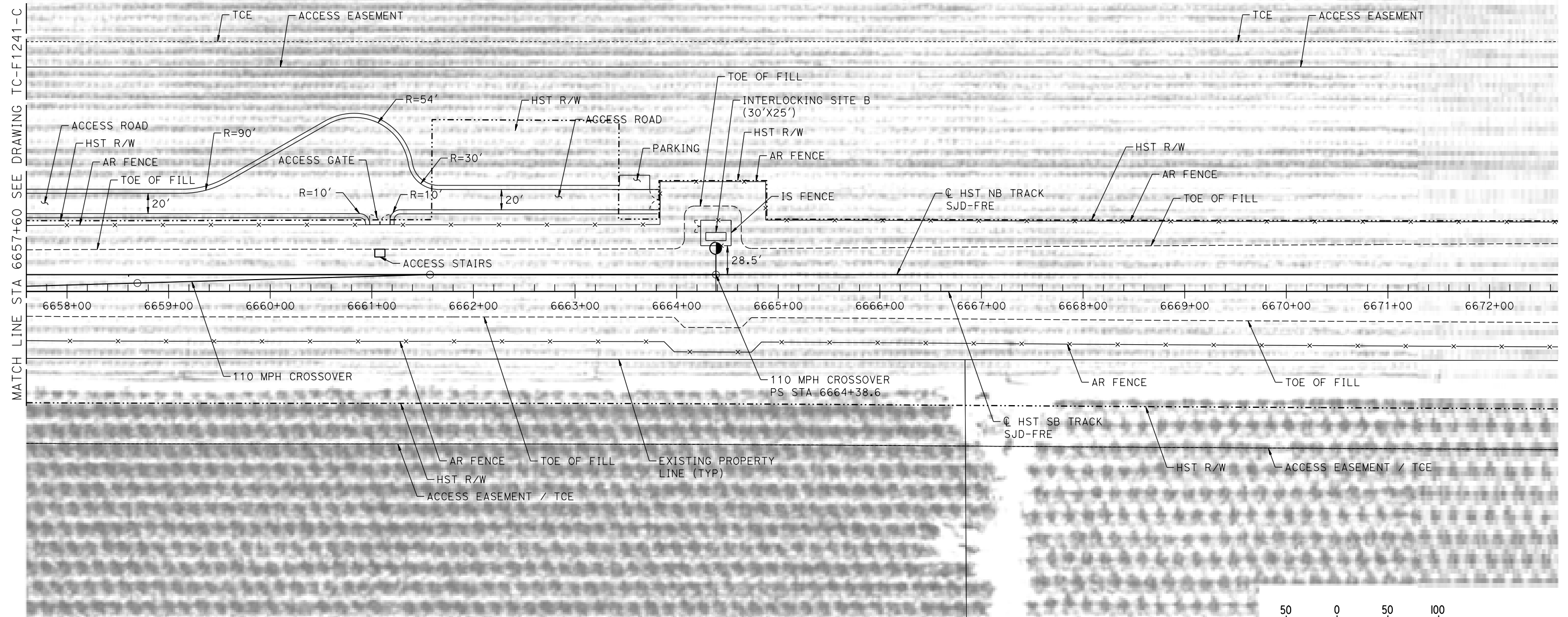


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6650+00

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

MADERA COUNTY

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



PLAN

18-MAR-2016 10:37 MF-TC-F1242-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



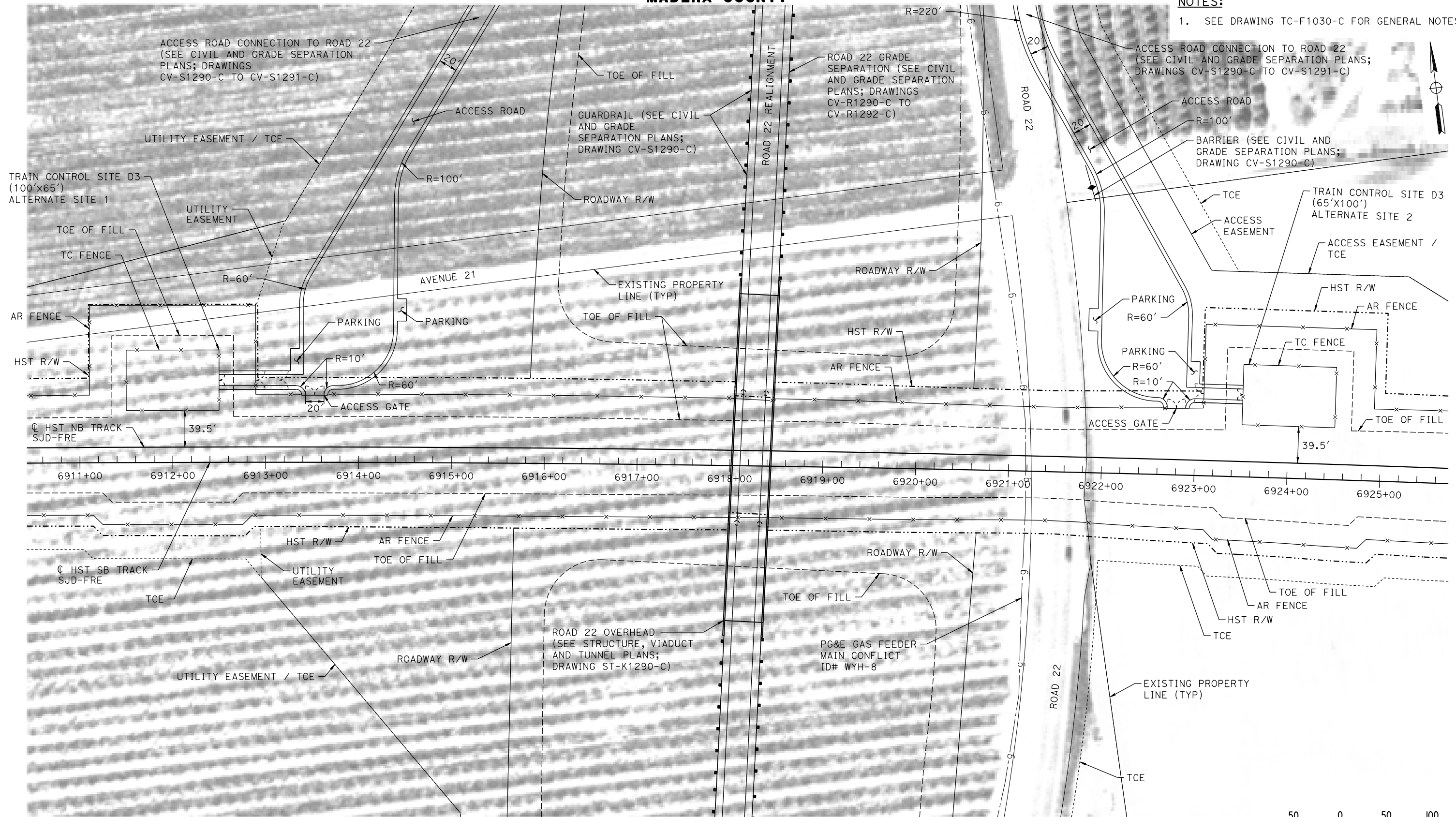
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6664+40

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

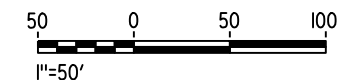
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



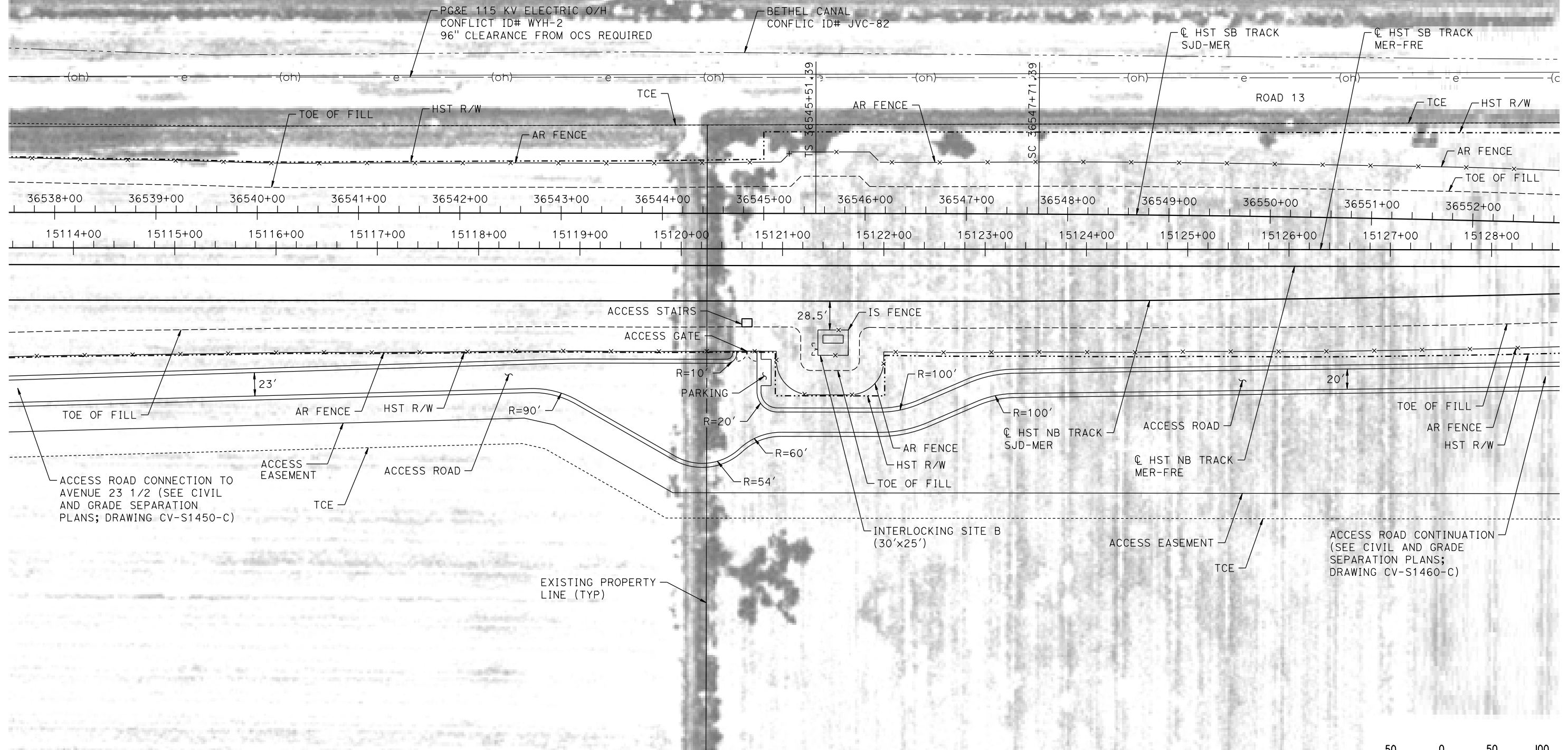
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

07-MAR-2016 16:21:42 MF-TC-F1460-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

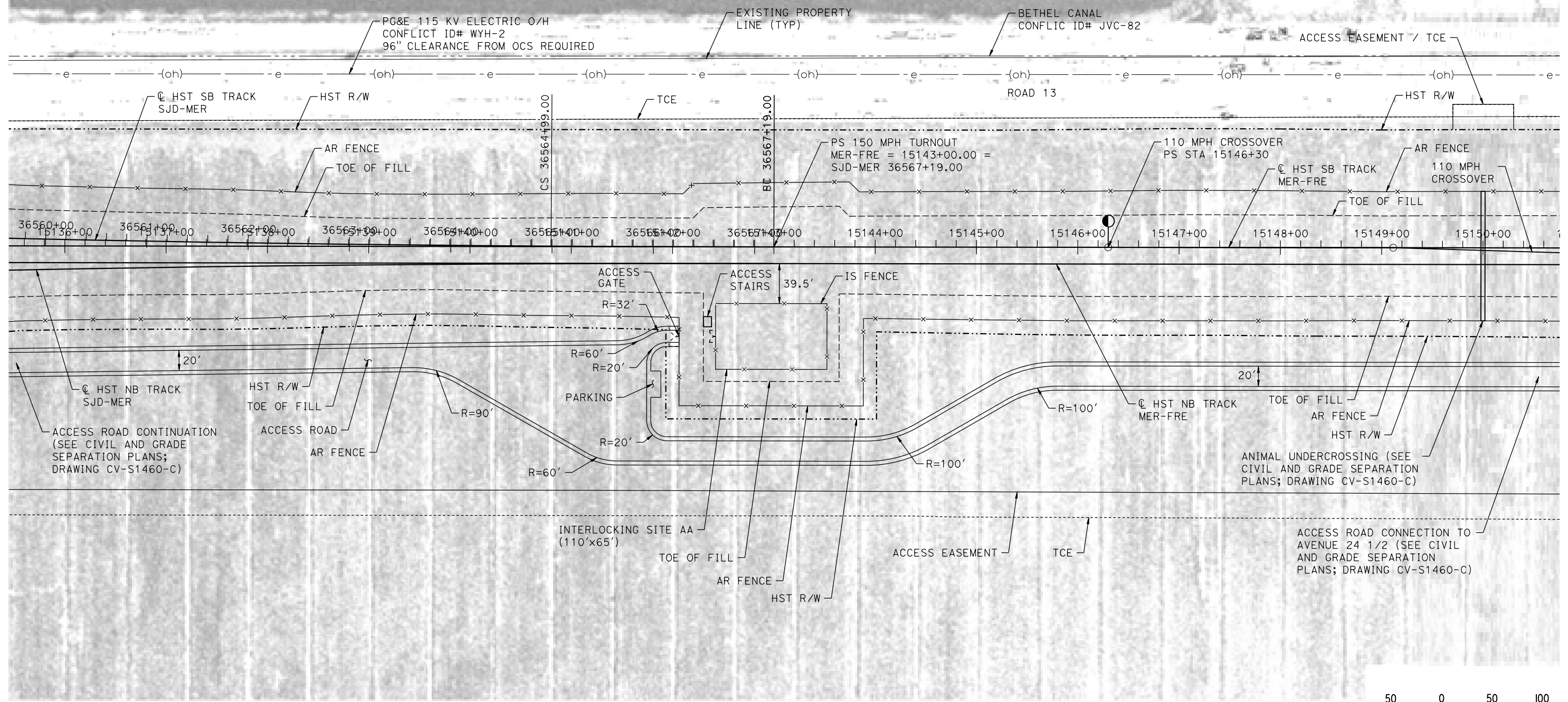


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15121+50

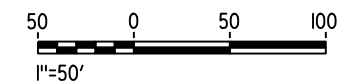
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1460-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



07-MAR-2016 10:21:42 MF-TC-F1461-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

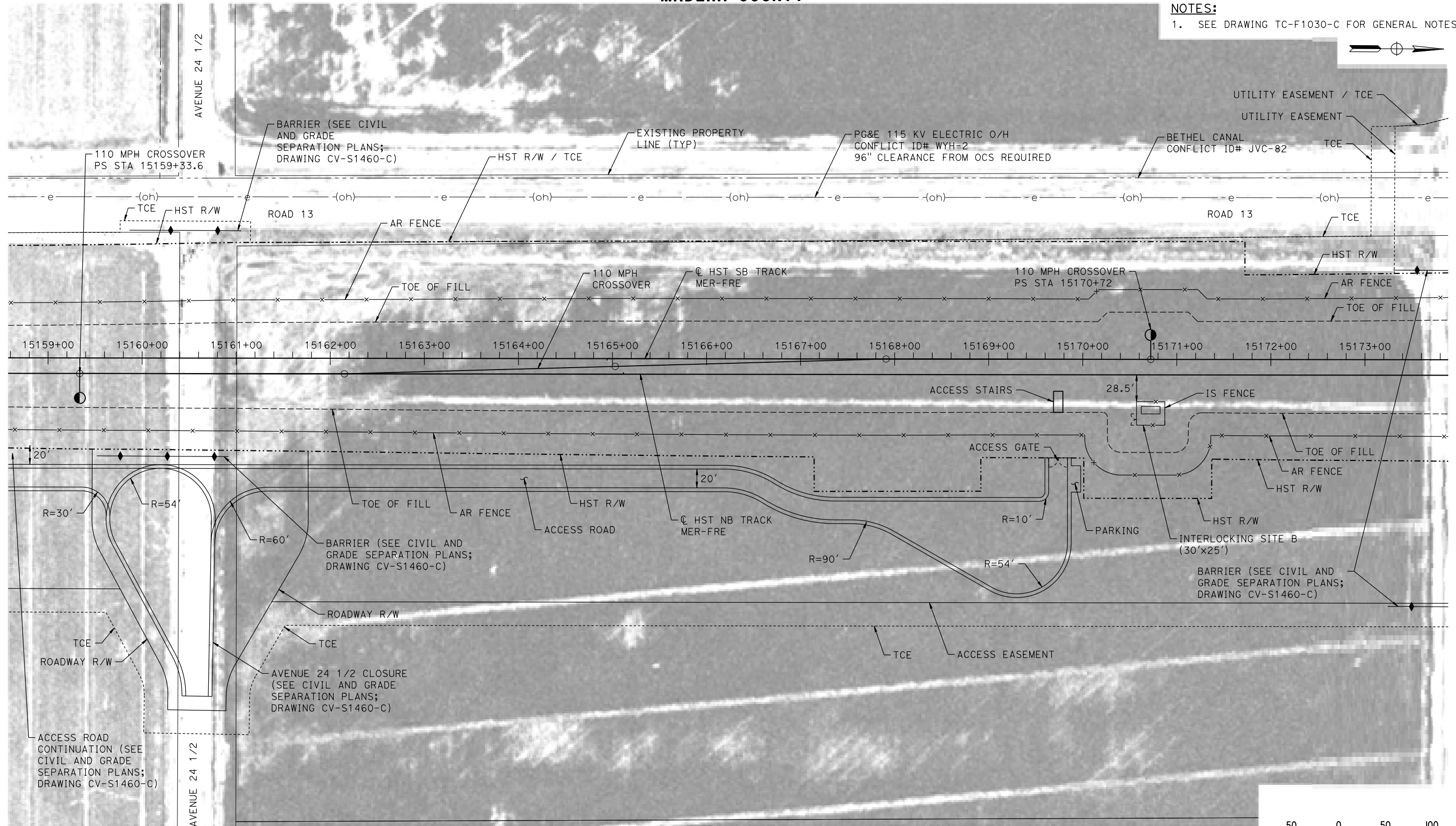


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15143+00

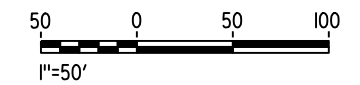
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1461-C
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



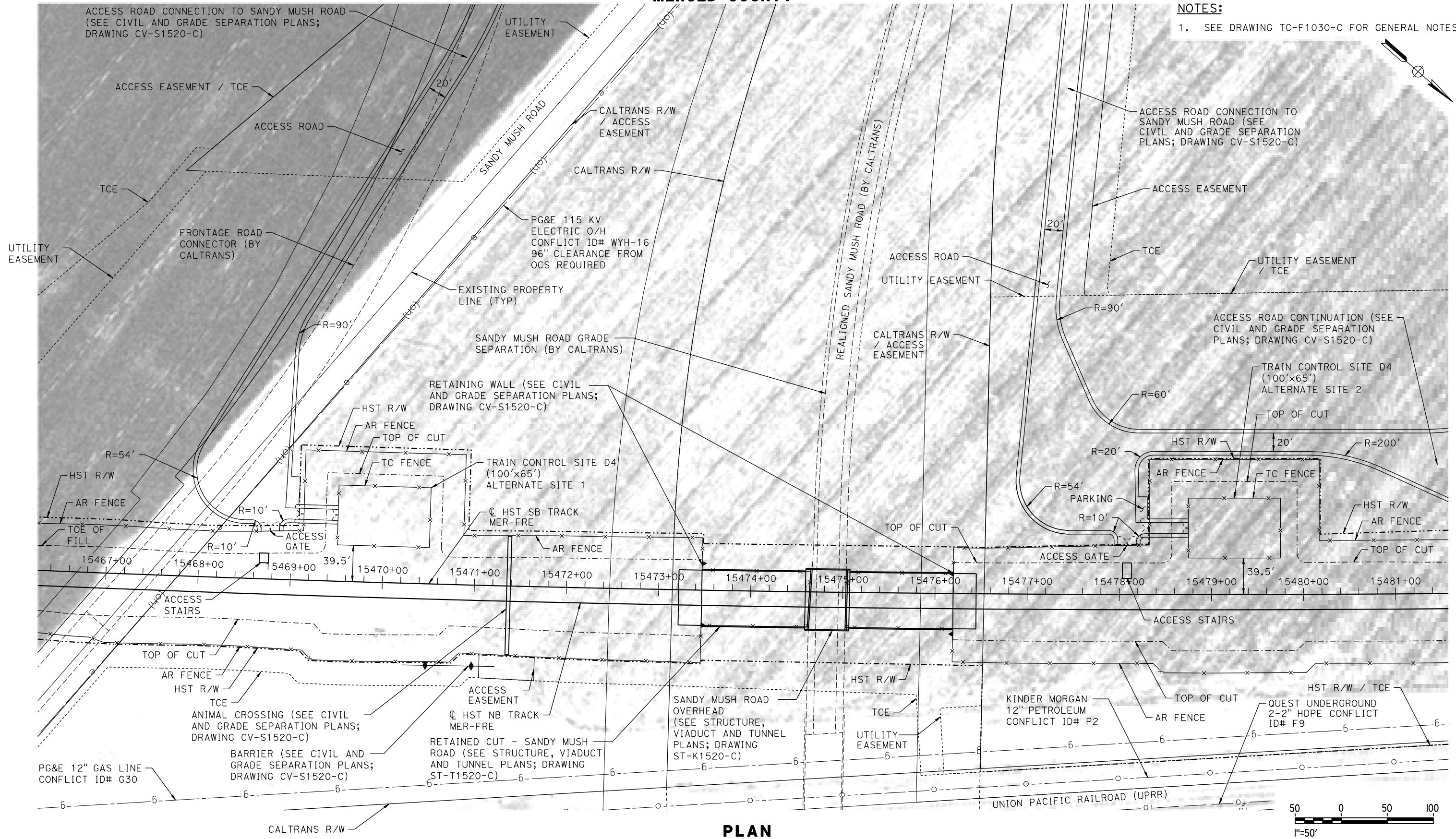
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
 AUTOMATIC TRAIN CONTROL SITE PLAN
 INTERLOCKING SITE B @ 15170+73

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

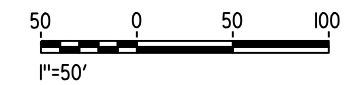
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 10:38 MF-TC-F1520-C.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



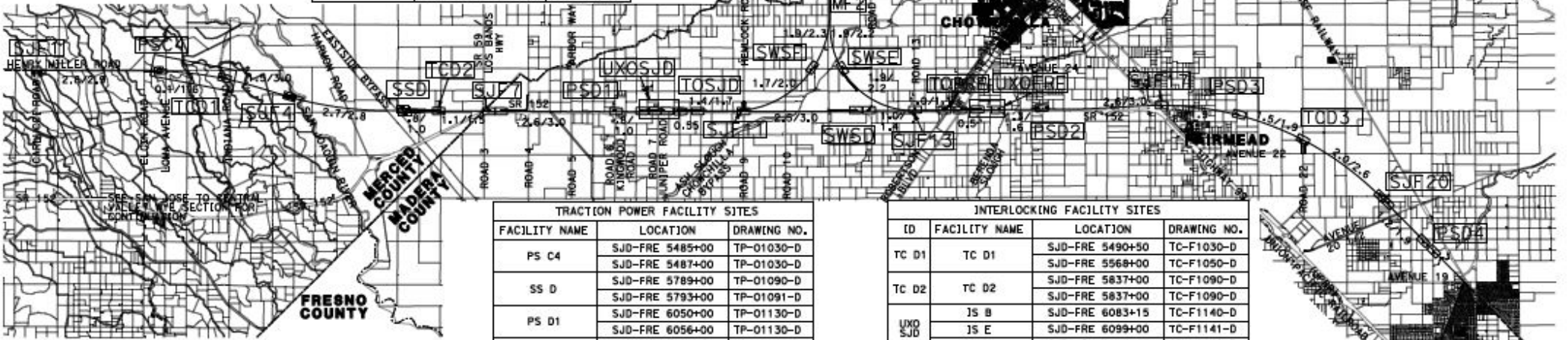
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2

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

LEGEND:

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

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



CROSSOVER SPACING TABLE			
ID	PS TO PS (STATION)	MPH	DISTANCE TO PREVIOUS (MI)
UXO SJV	5114+03 TO 5156+81	110	NIC
UXO SJD	6083+15 TO 6114+14	80	17.54 (UXO SJD)
UXO FRE	6494+00 TO 6524+00	80	7.19 (UXO SJD)
UXO MER	5344+15 TO 15374+15	80	6.66 (UXO FRE) / 7.02 (UXO SJD)

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

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

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



31-105-201(8)3148
 MF-TP-84001-0-0301
 04/22/26

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DRAWN BY H. MCINNIS	
CHECKED BY ECASTELINO	
IN CHARGE C. LEWLEY	
DATE 09/09/2016	



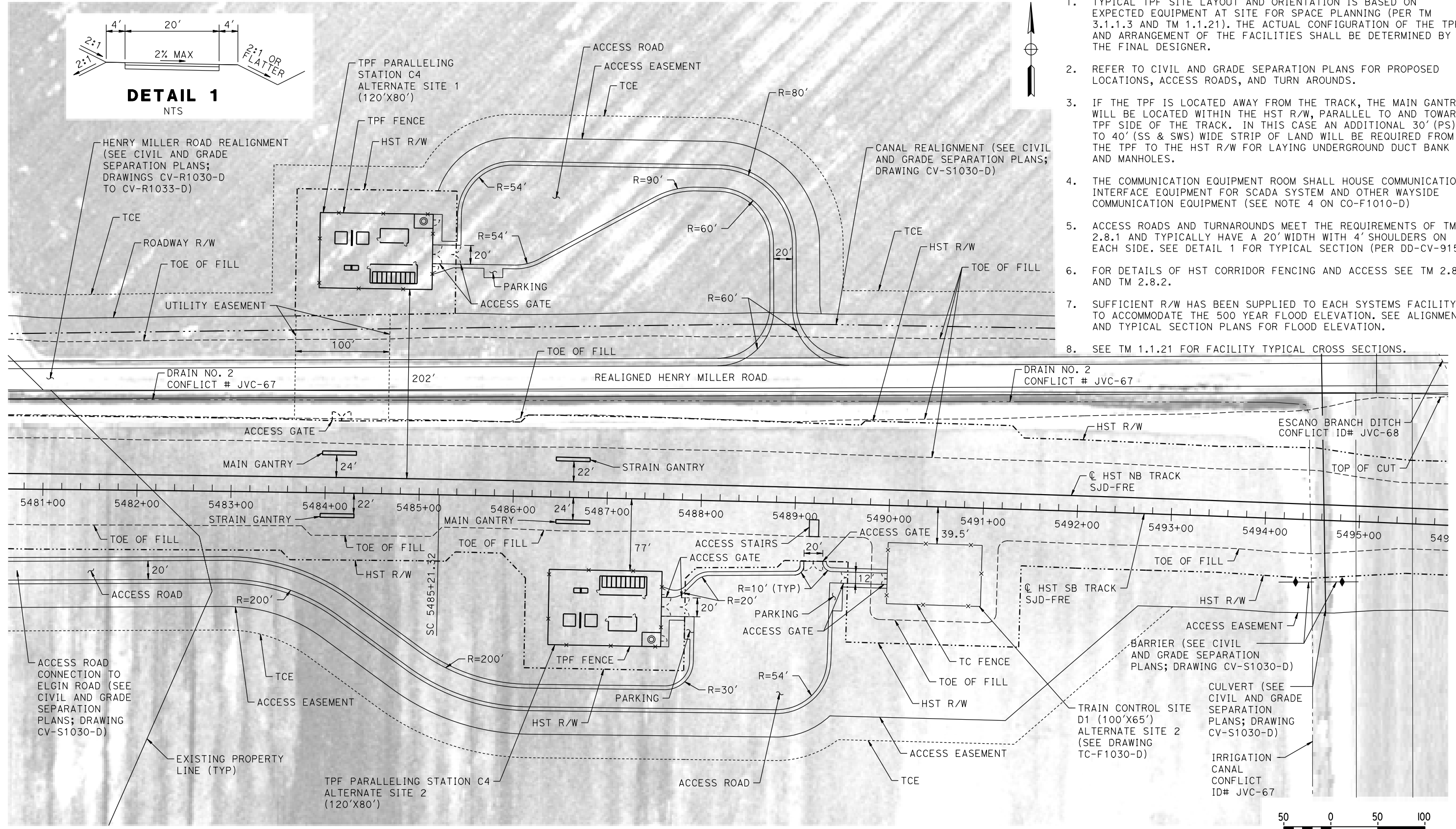
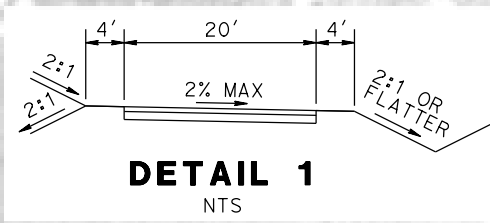
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
 CENTRAL VALLEY WYE
 SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
 SYSTEMS FACILITIES KEY PLAN
 SHEET 1 OF 1

CONTRACT NO. HSR08-05
DRAWING NO. TP-84001-D
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY

GENERAL NOTES:

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



PLAN

14-AUG-2016 10:14 MF-TP-01030-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

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H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01030-D

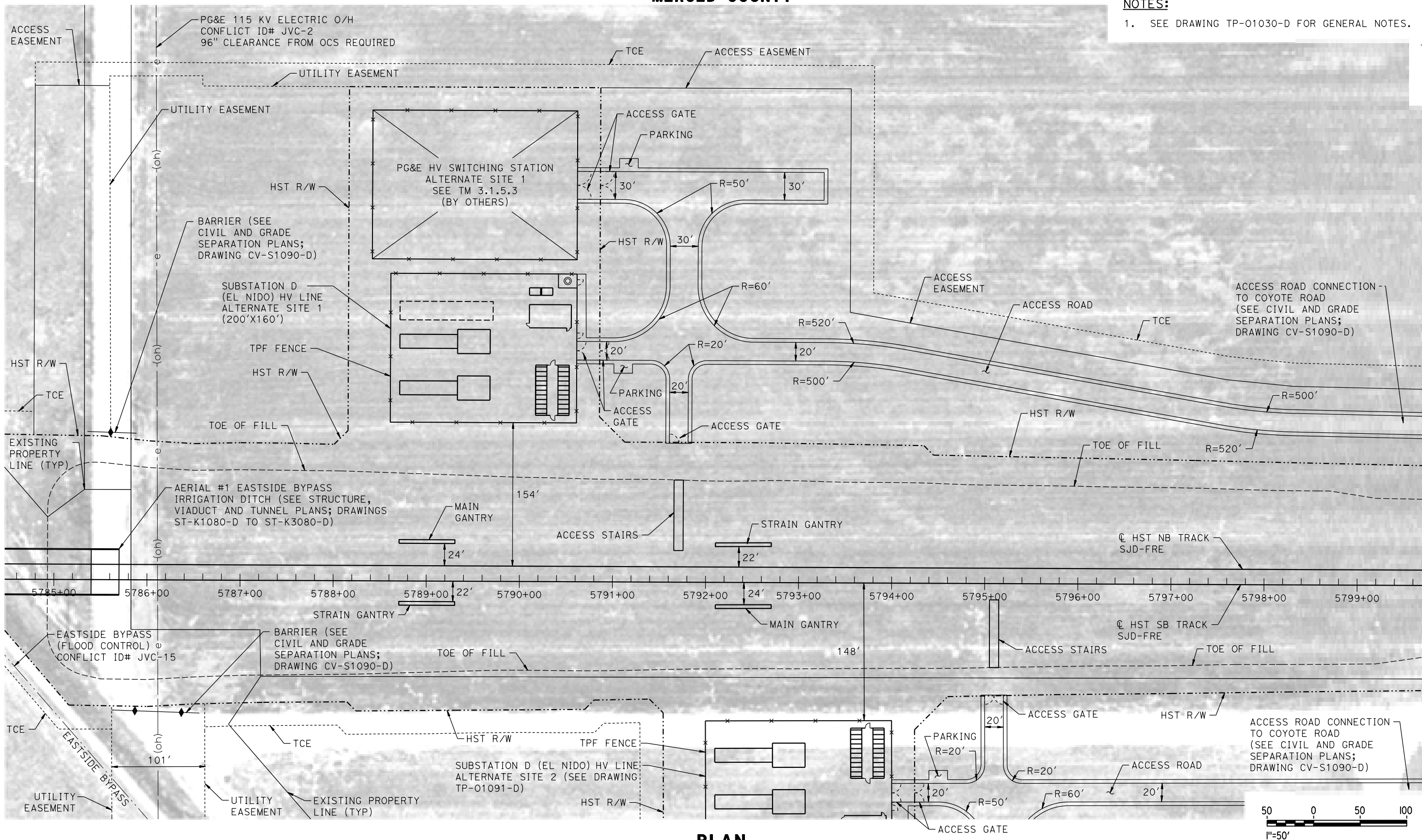
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

30-AUG-2016 2:27 MF-TP-01090-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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K. MA
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C. LEMLEY
DATE
09/09/2016

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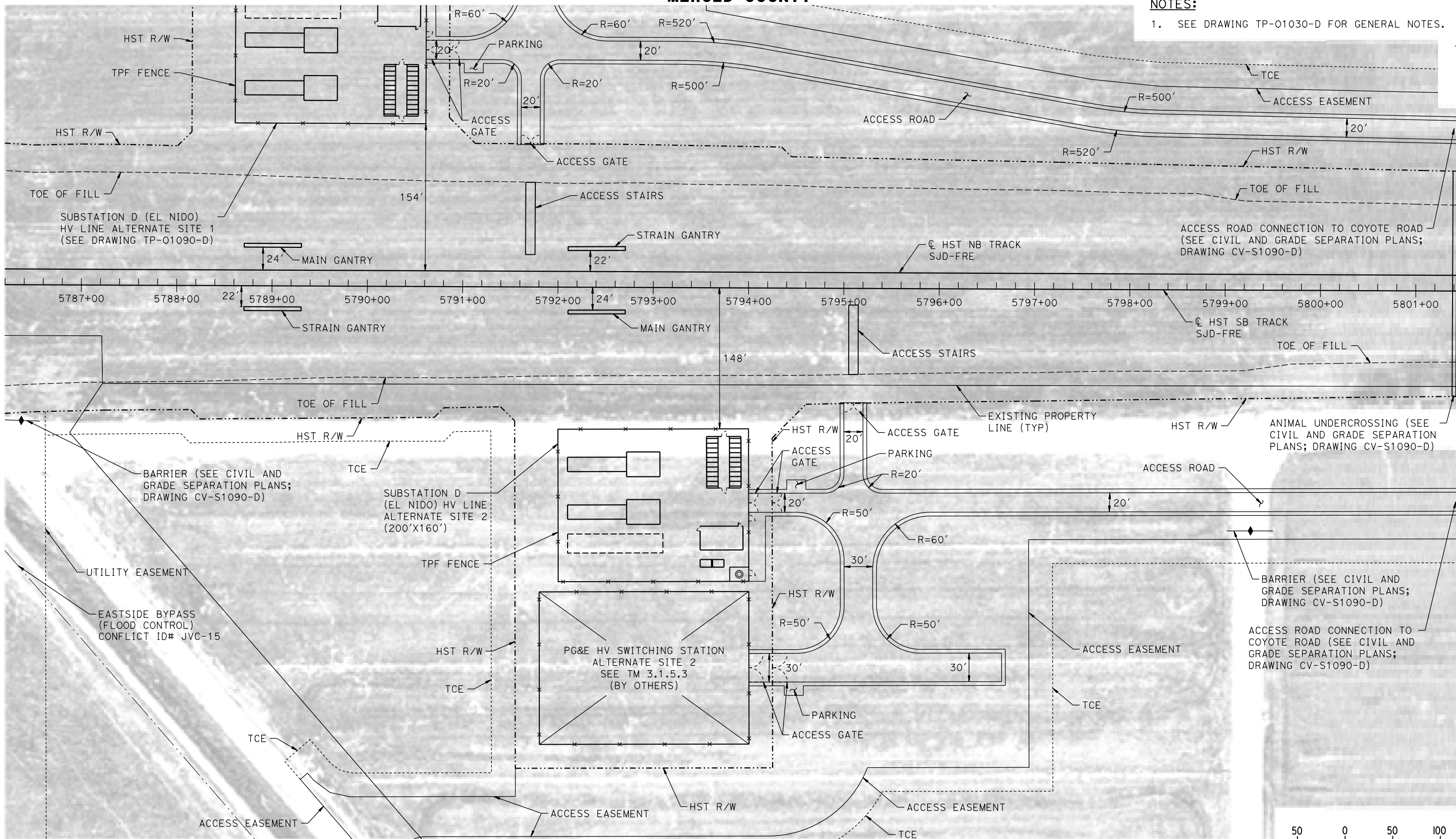
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 1

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

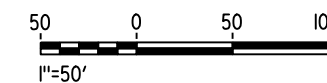
MERCED COUNTY

NOTES:

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



PLAN



12-AUG-2016 11:04 MF-TP-01091-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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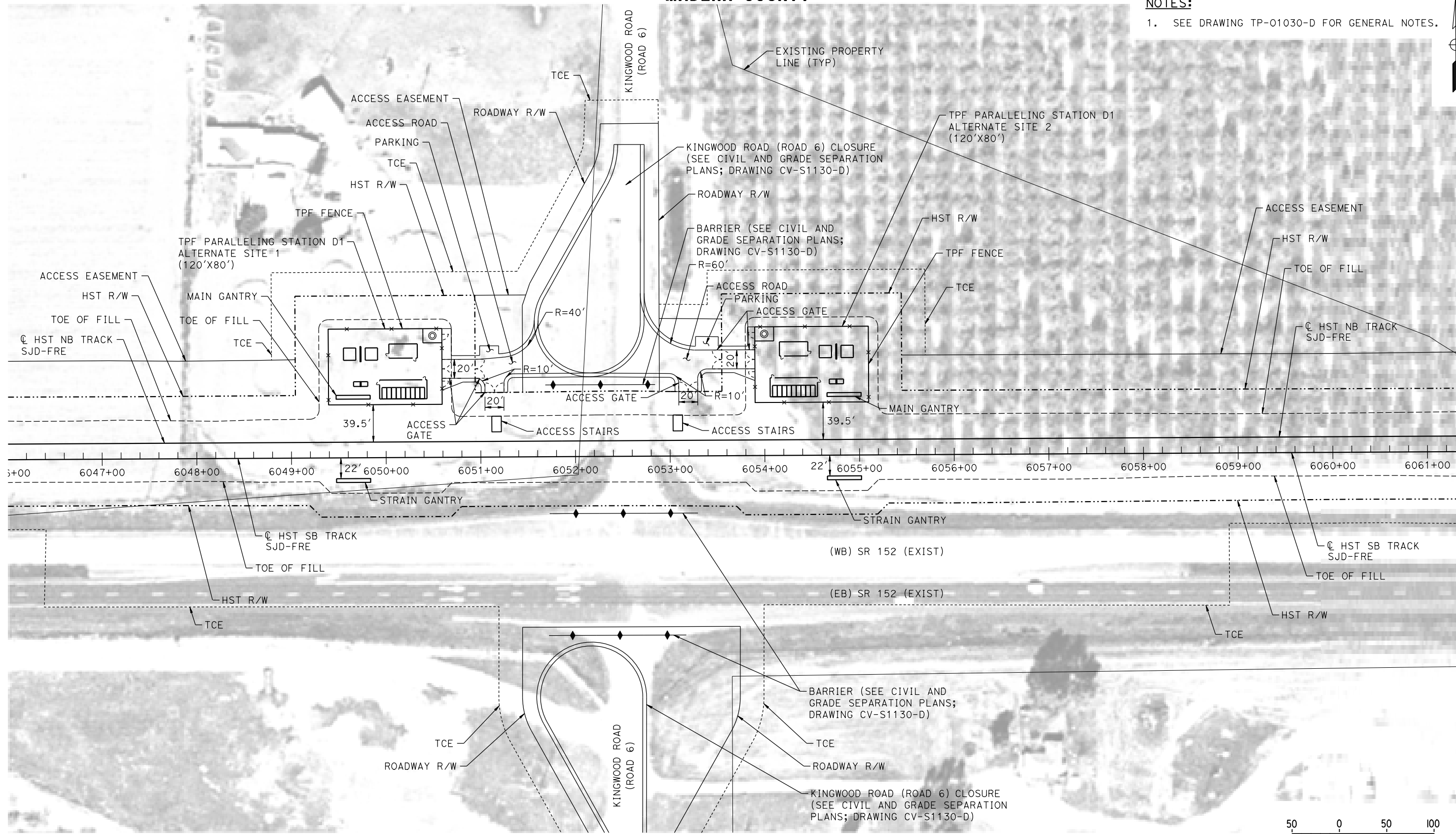
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 2

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

MADERA COUNTY

NOTES:

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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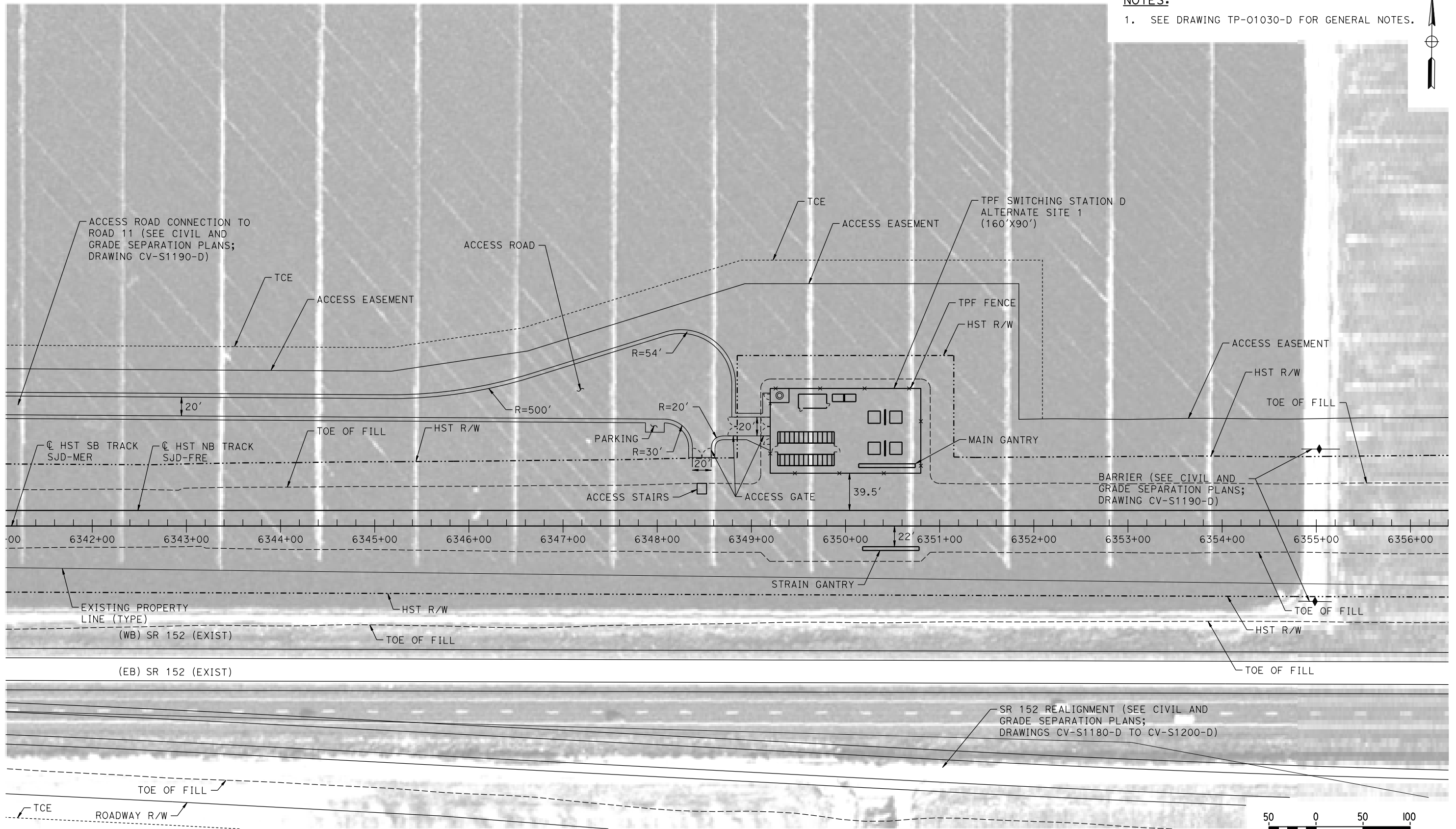
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

12-AUG-2016 09:00 MF-TP-01190-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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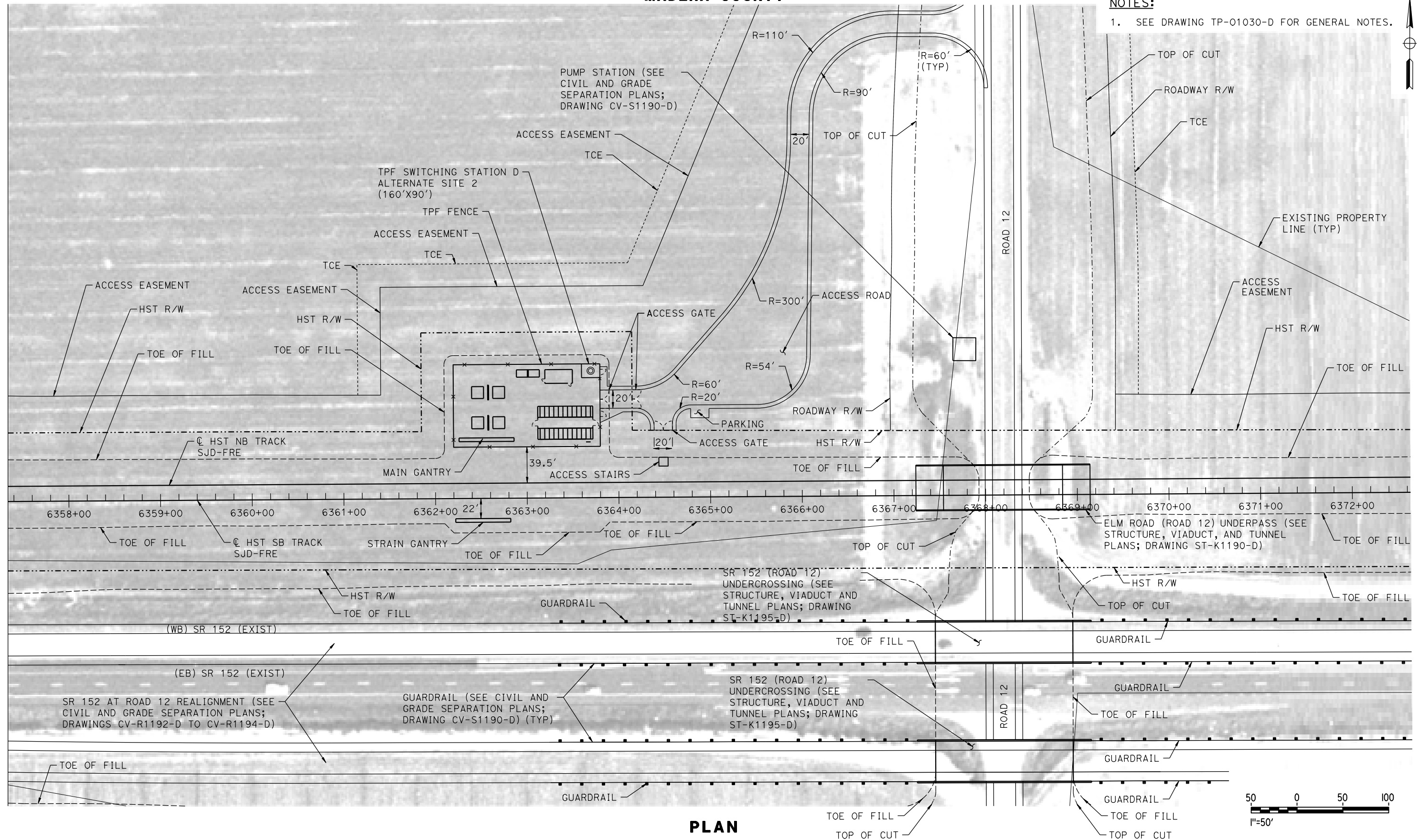
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 1

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

MADERA COUNTY

NOTES:

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



PLAN

12-AUG-2016 11:06 MF-TP-01191-D.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 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 2

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

MADERA COUNTY

NOTES:

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

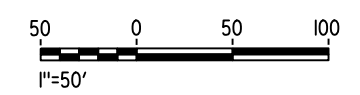
MADERA COUNTY

NOTES:

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



PLAN



12-AUG-2016 11:07 MF-TP-01270-D.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 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01270-D

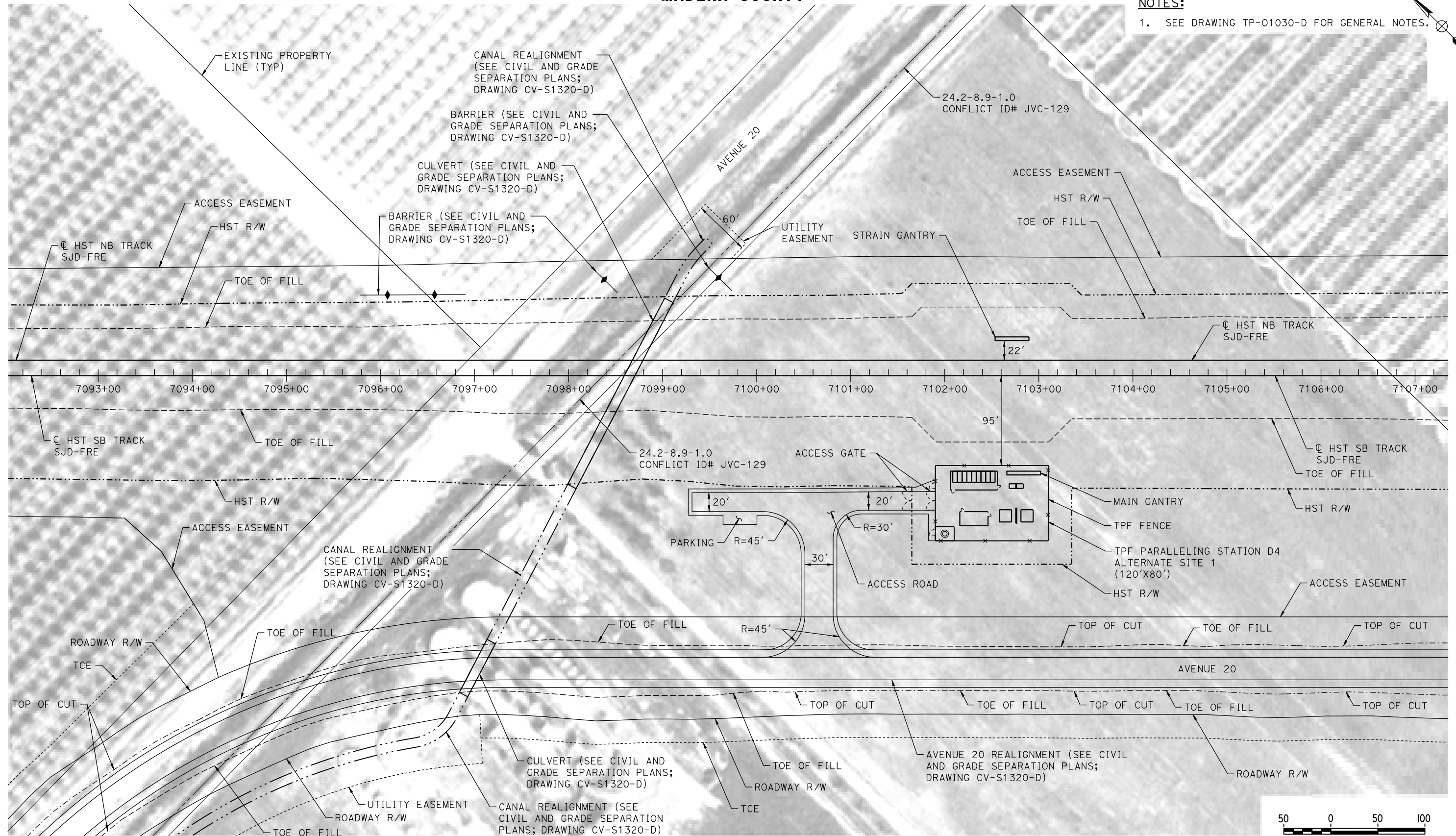
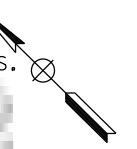
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SHEET NO.

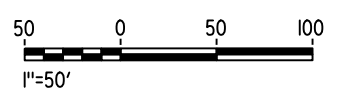
MADERA COUNTY

NOTES:

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



PLAN



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

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 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01320-D

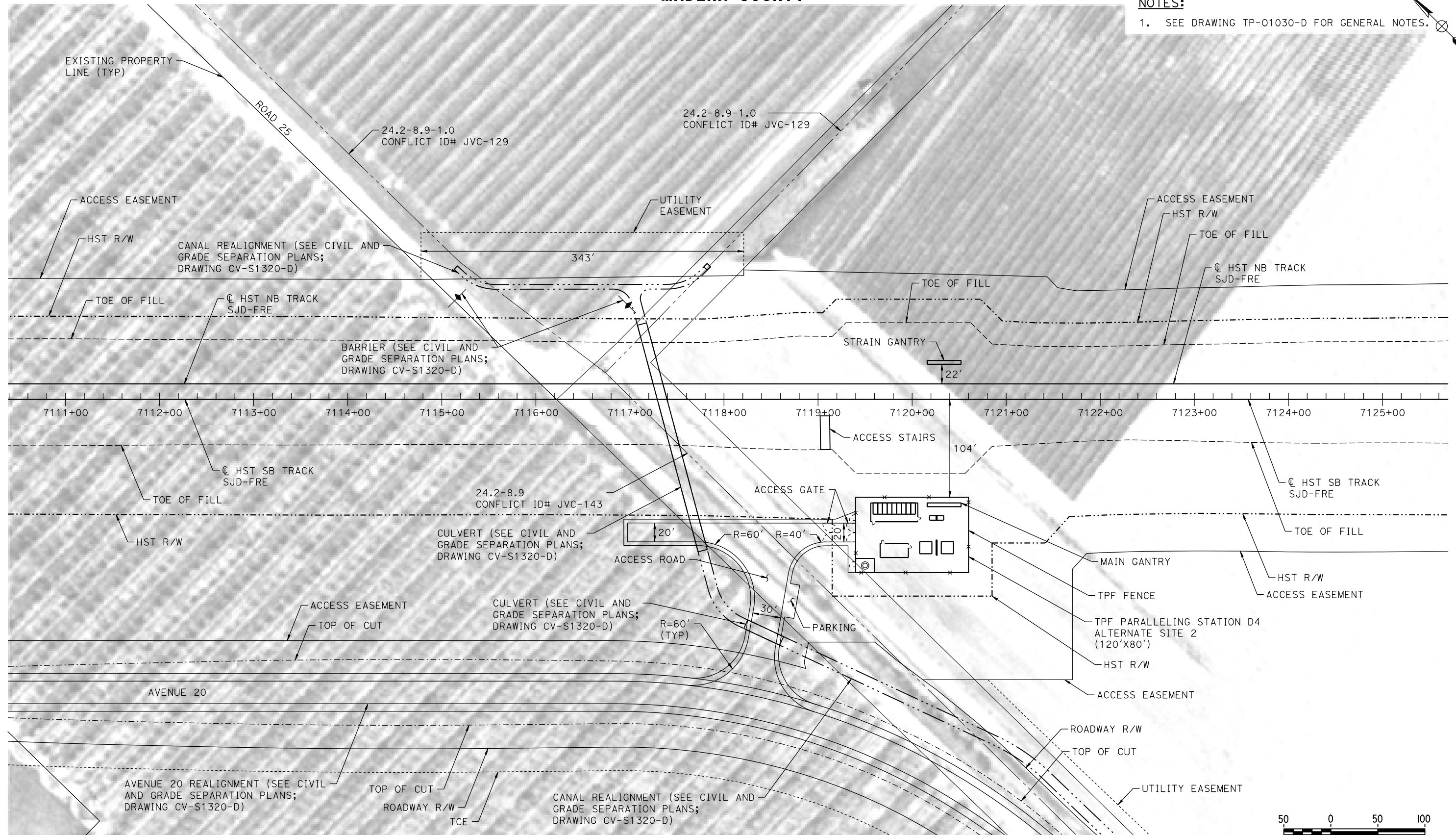
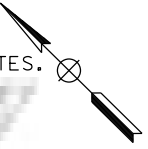
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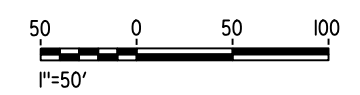
MADERA COUNTY

NOTES:

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



PLAN



12-AUG-2016 10:00 MF-TP-01321-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01321-D

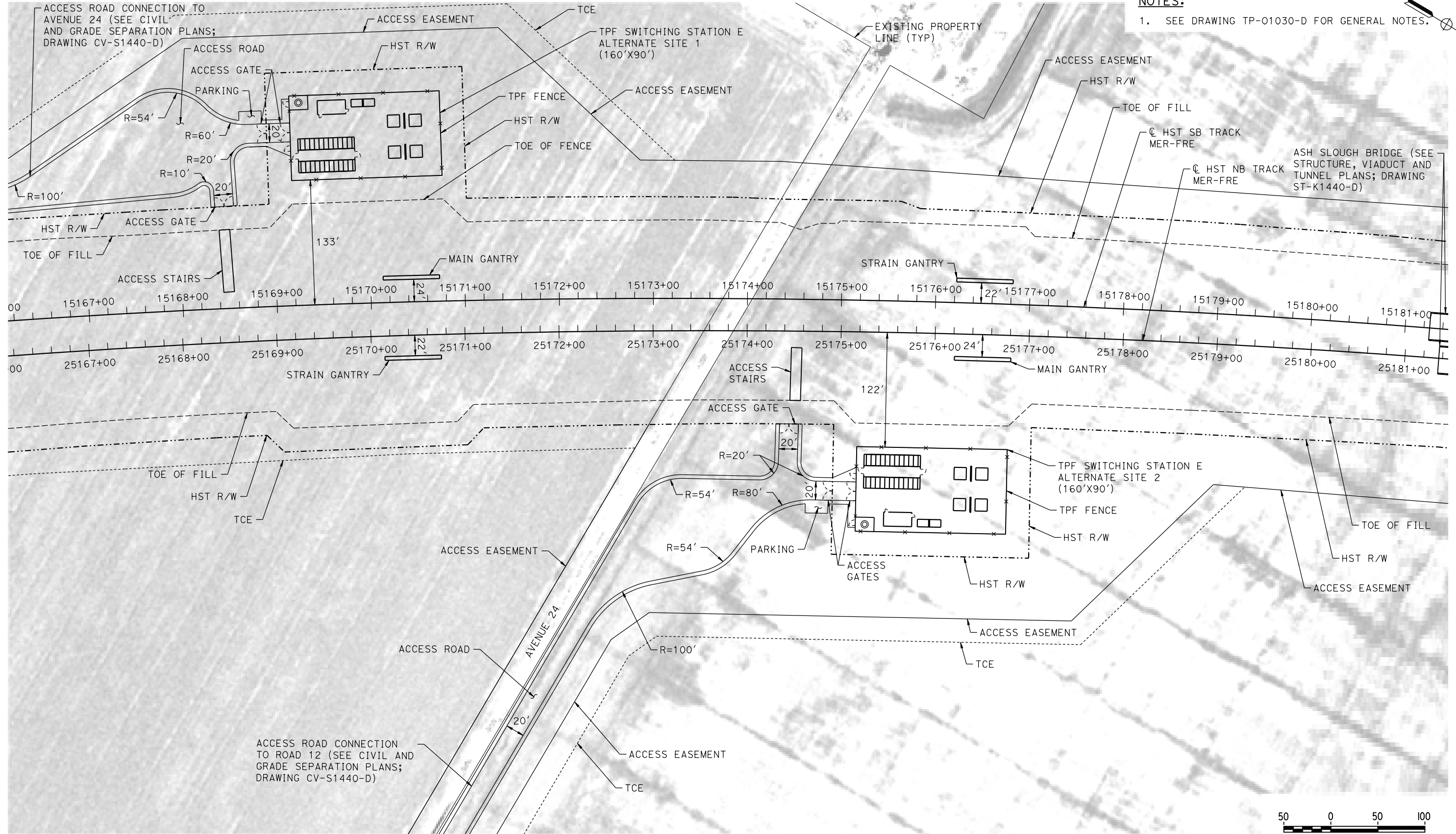
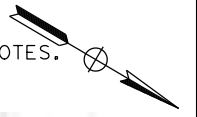
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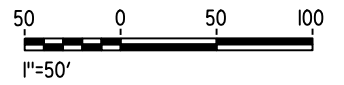
MADERA COUNTY

NOTES:

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



PLAN



12-AUG-2016 09:01 MF-TP-01440-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE
08/12/2016

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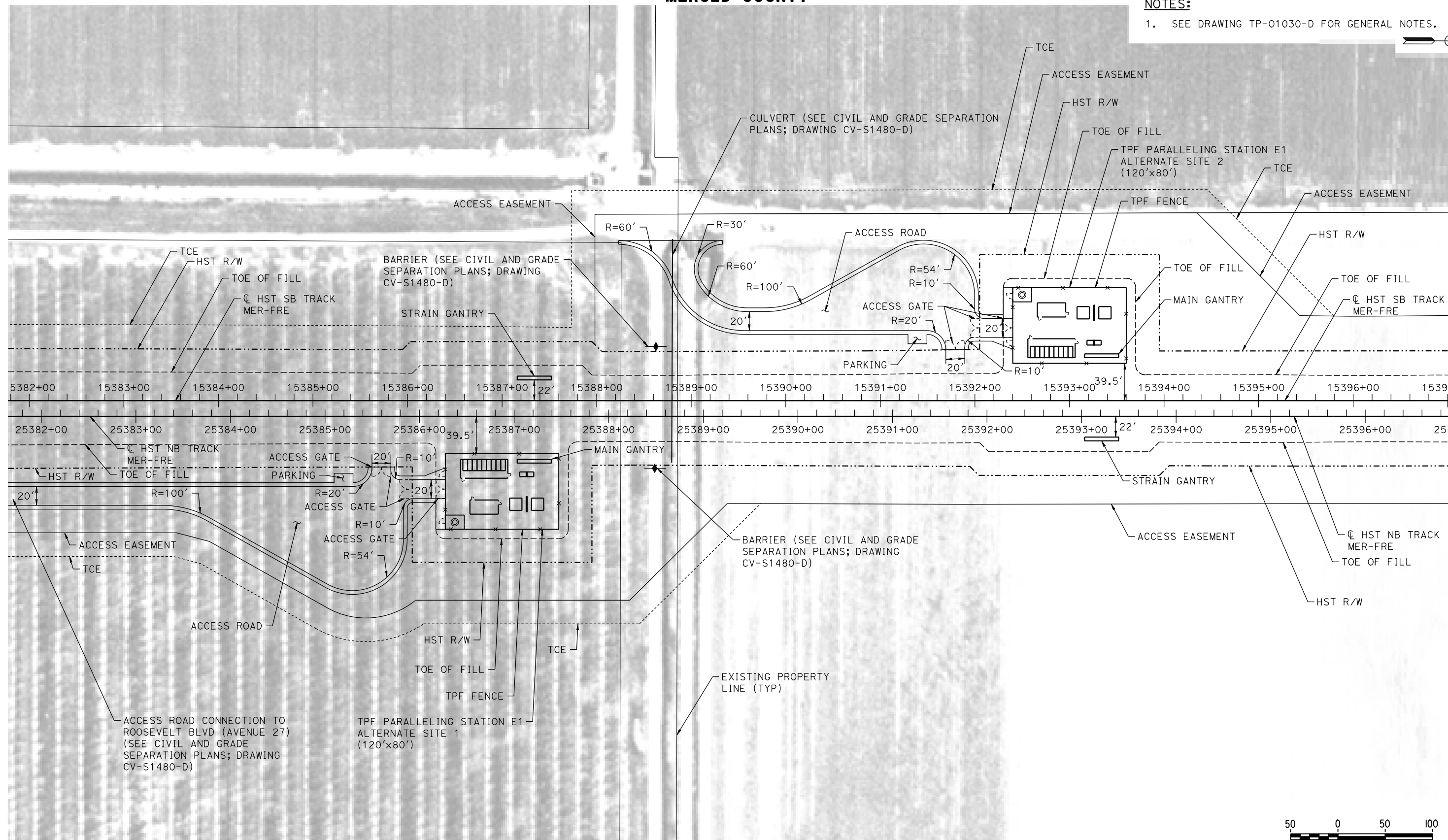
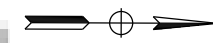
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITES 1 & 2

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

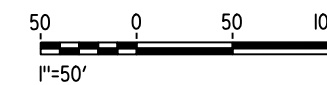
MERCED COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:14 MF-TP-01480-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE
08/12/2016

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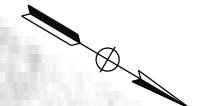
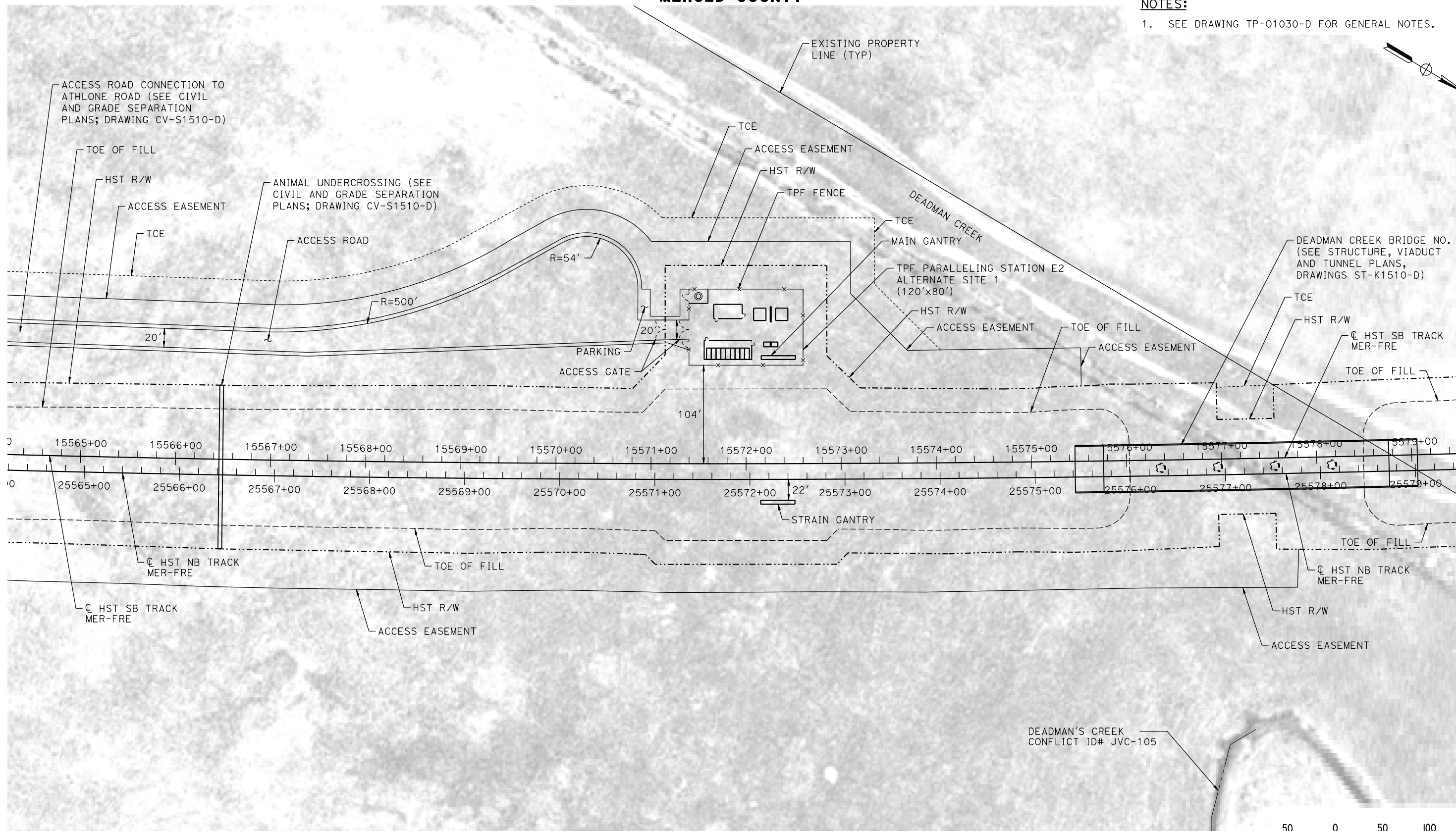
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITES 1 & 2

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

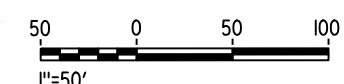
MERCED COUNTY

NOTES:

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



PLAN



30-AUG-2016 21:35 MF-TP-01510-D.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 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-01510-D

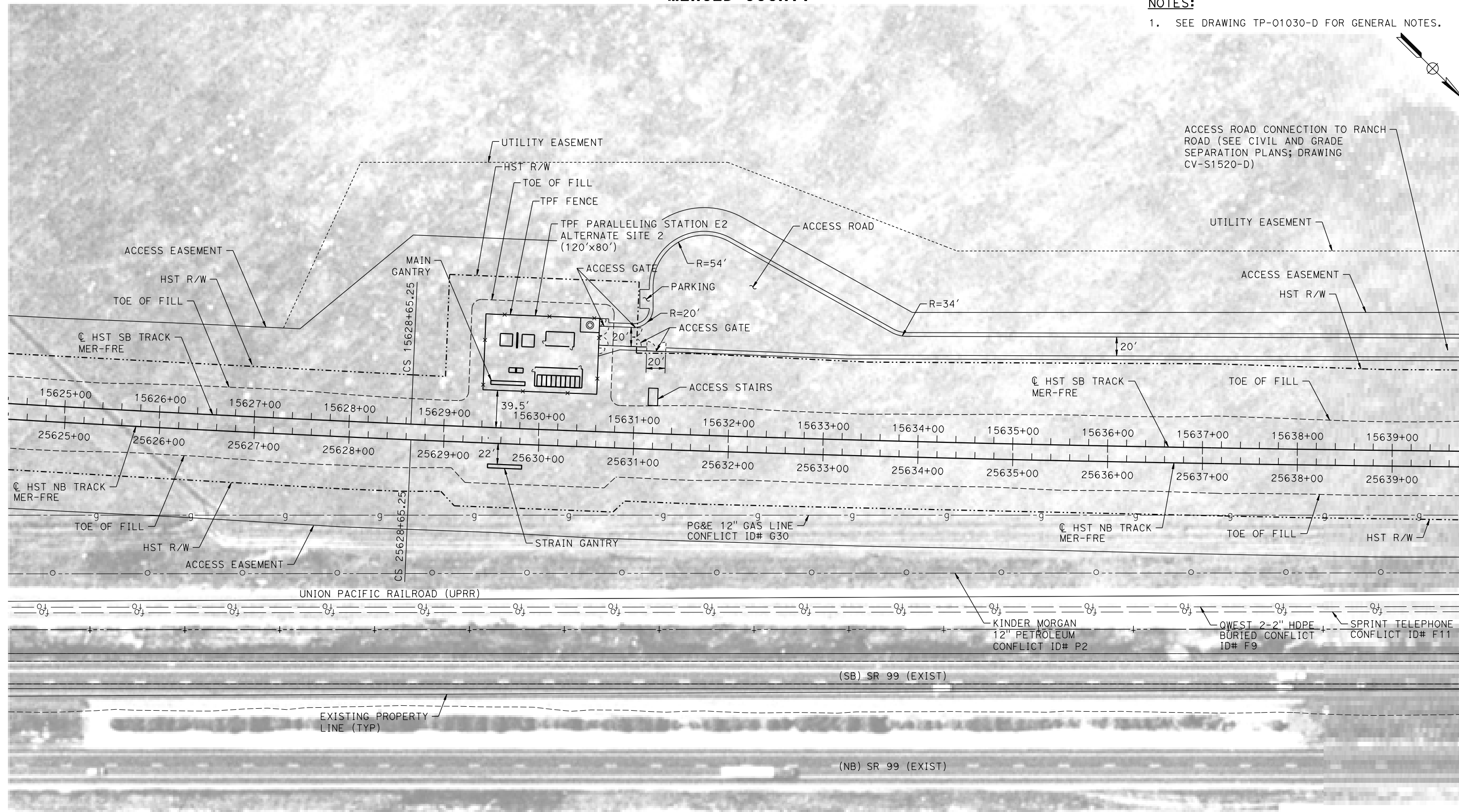
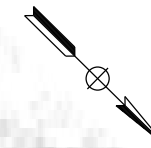
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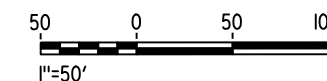
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

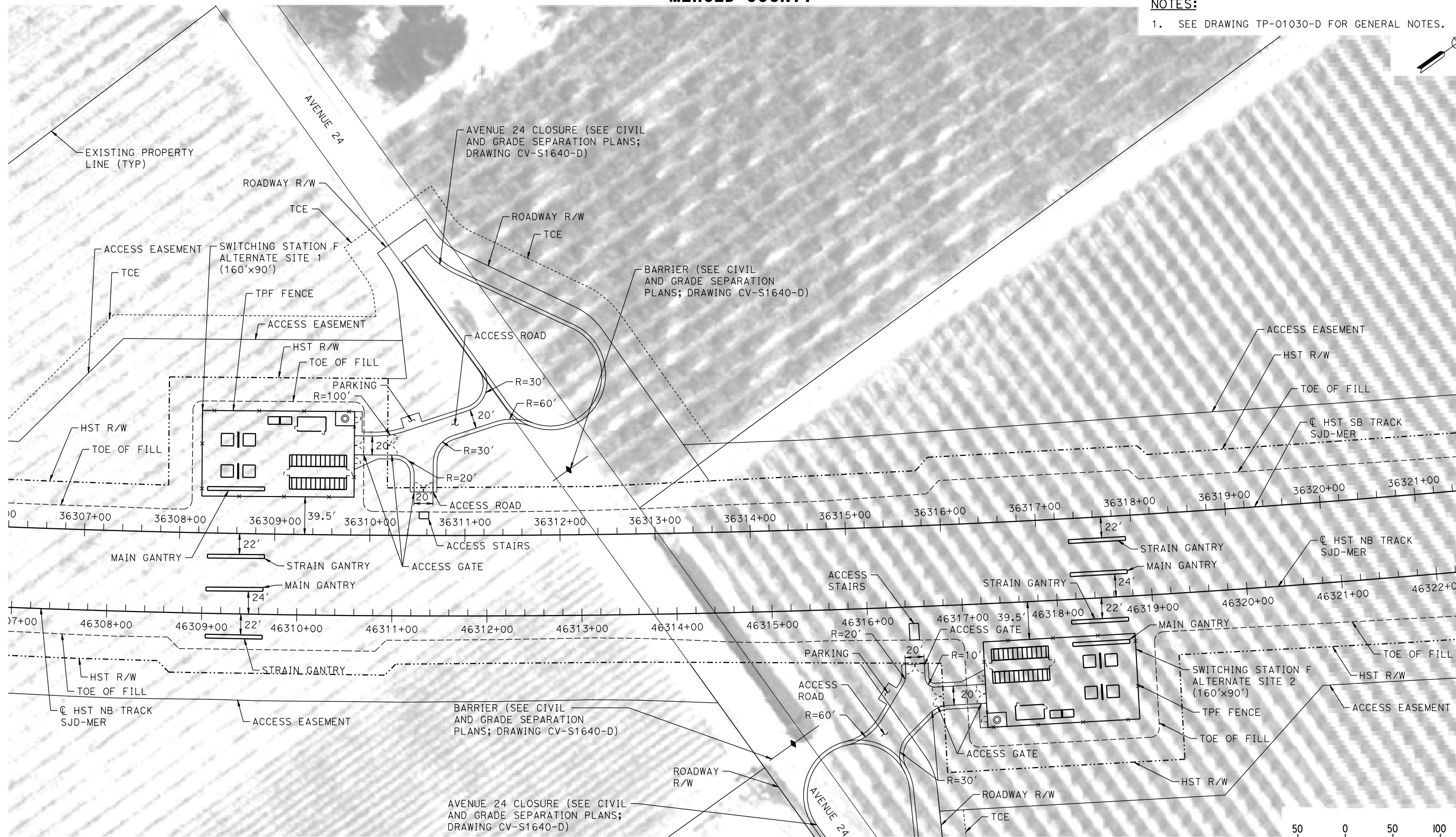
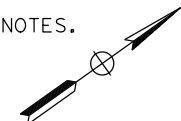
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 2

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

MERCED COUNTY

NOTES:

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

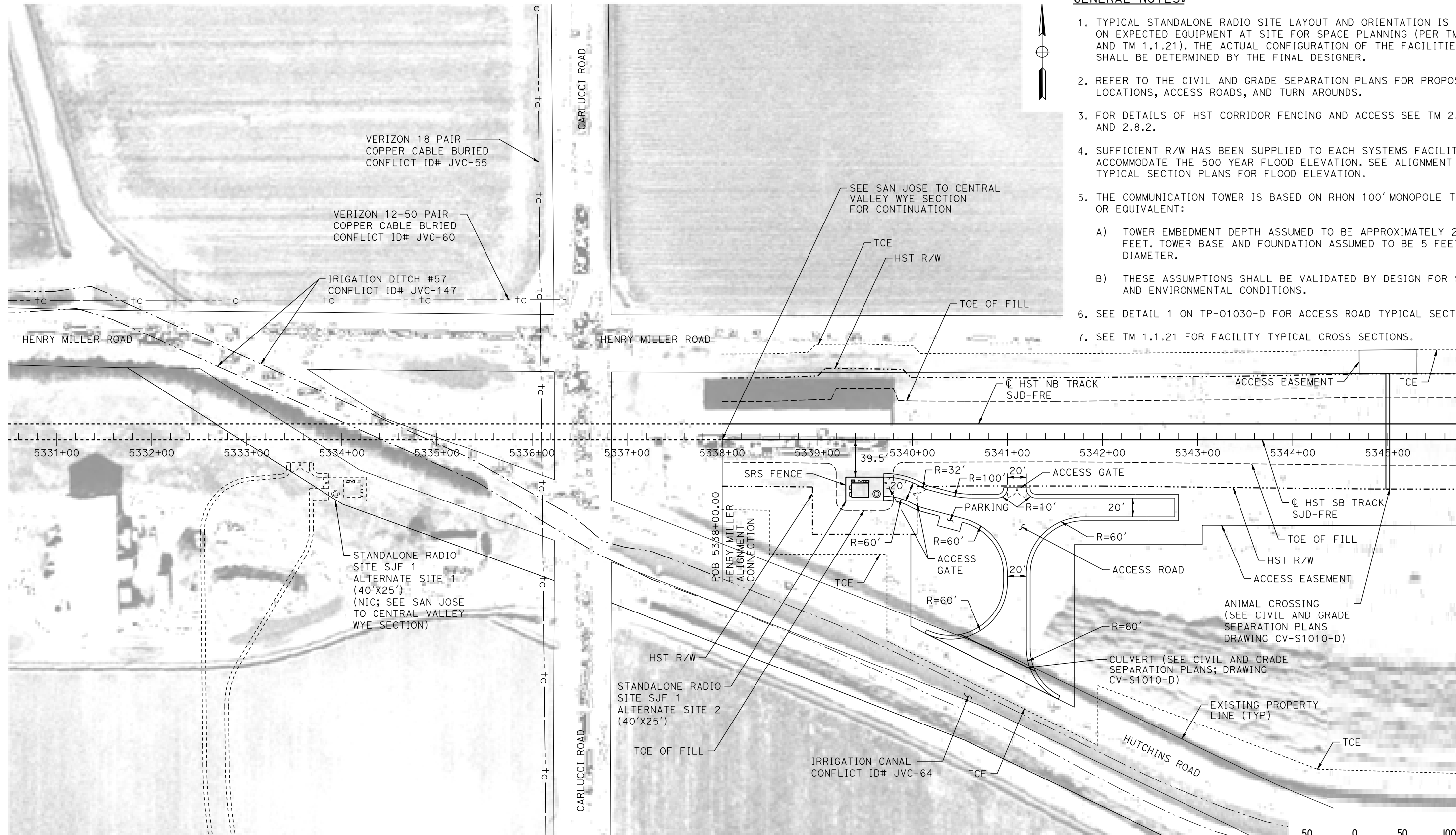
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

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

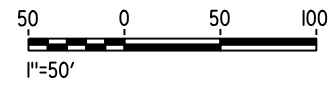
MERCED COUNTY

GENERAL NOTES:

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



PLAN



16-AUG-2016 1:31 MF-CO-F1010-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1010-D

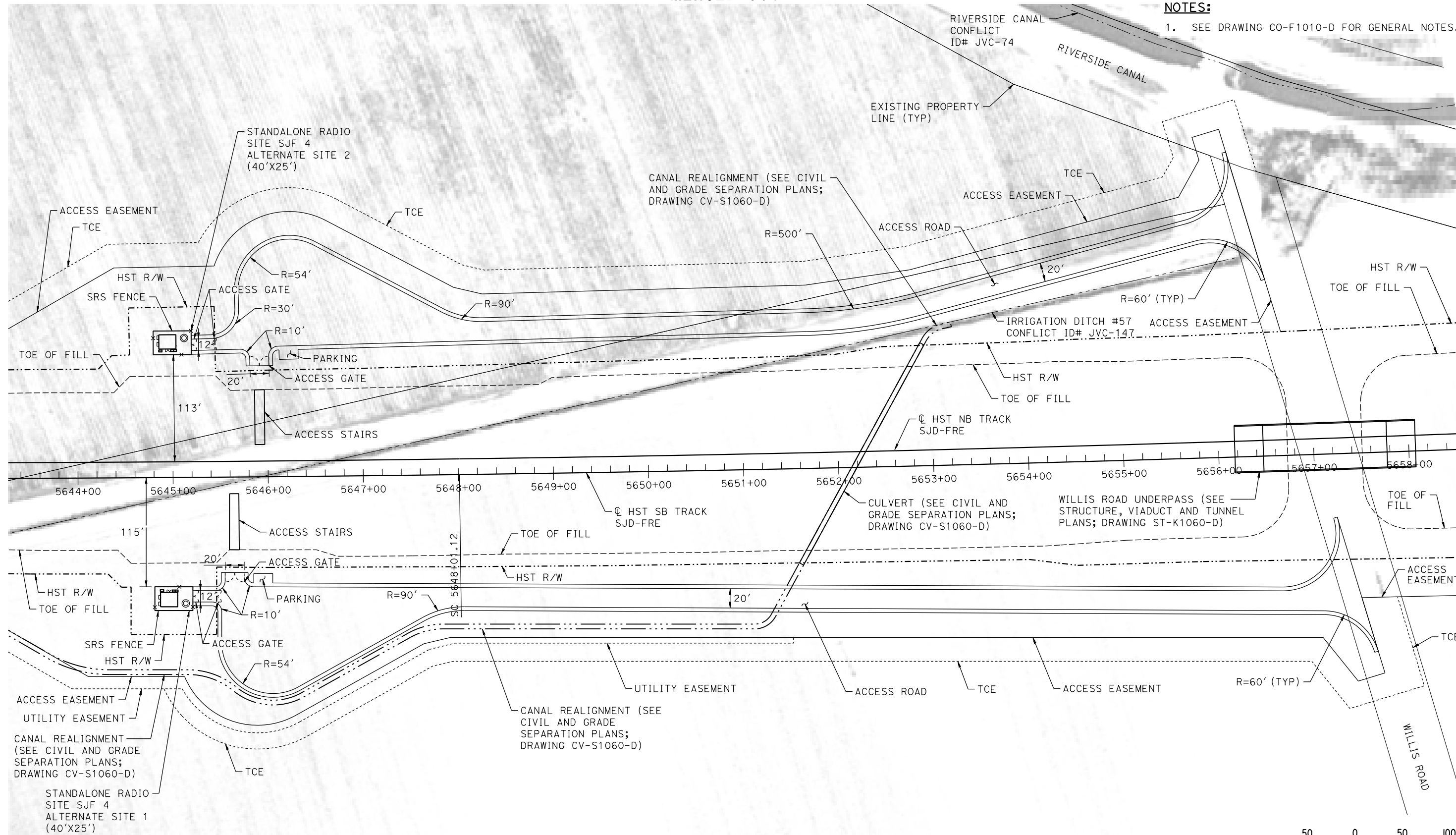
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

NOTES:

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



PLAN

30-AUG-2016 12:35 MF-CO-F1060-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1060-D

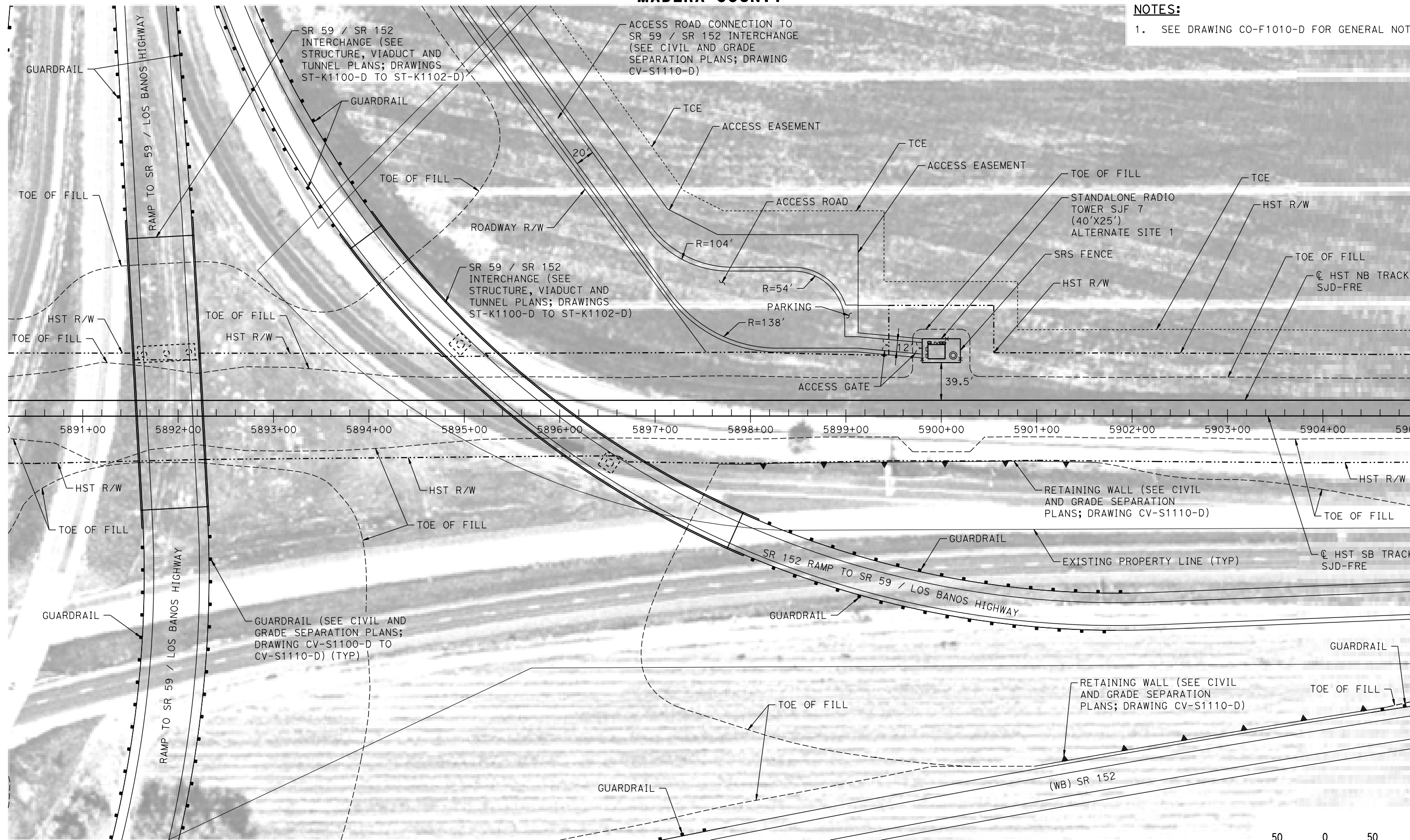
SCALE
AS SHOWN

SHEET NO.

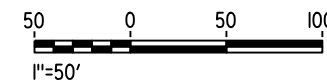
MADERA COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:07:07 MF-CO-F1110-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



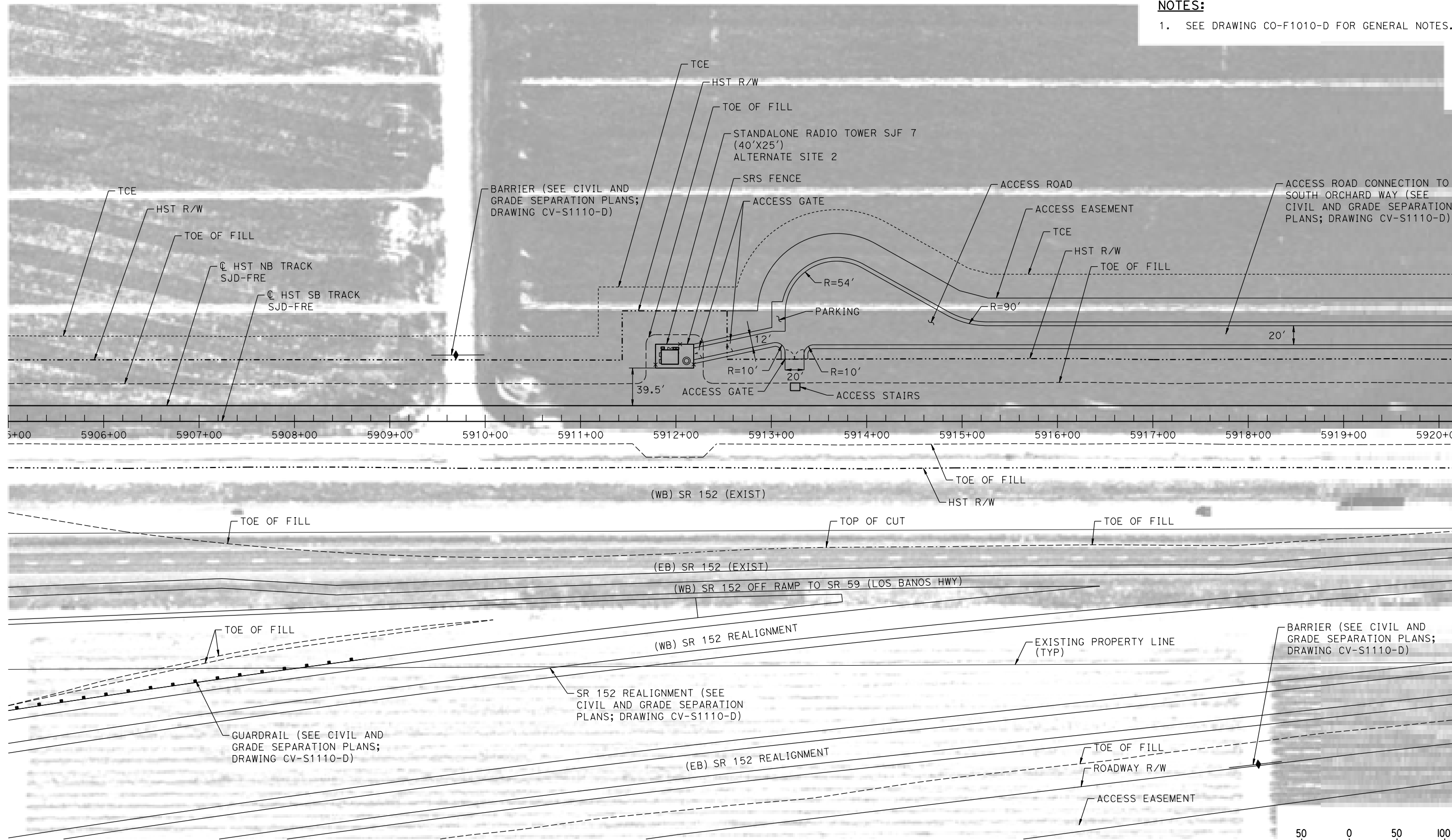
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 7 ALTERNATE SITE 1

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

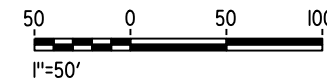
MADERA COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:07:08 MF-CO-F1111-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



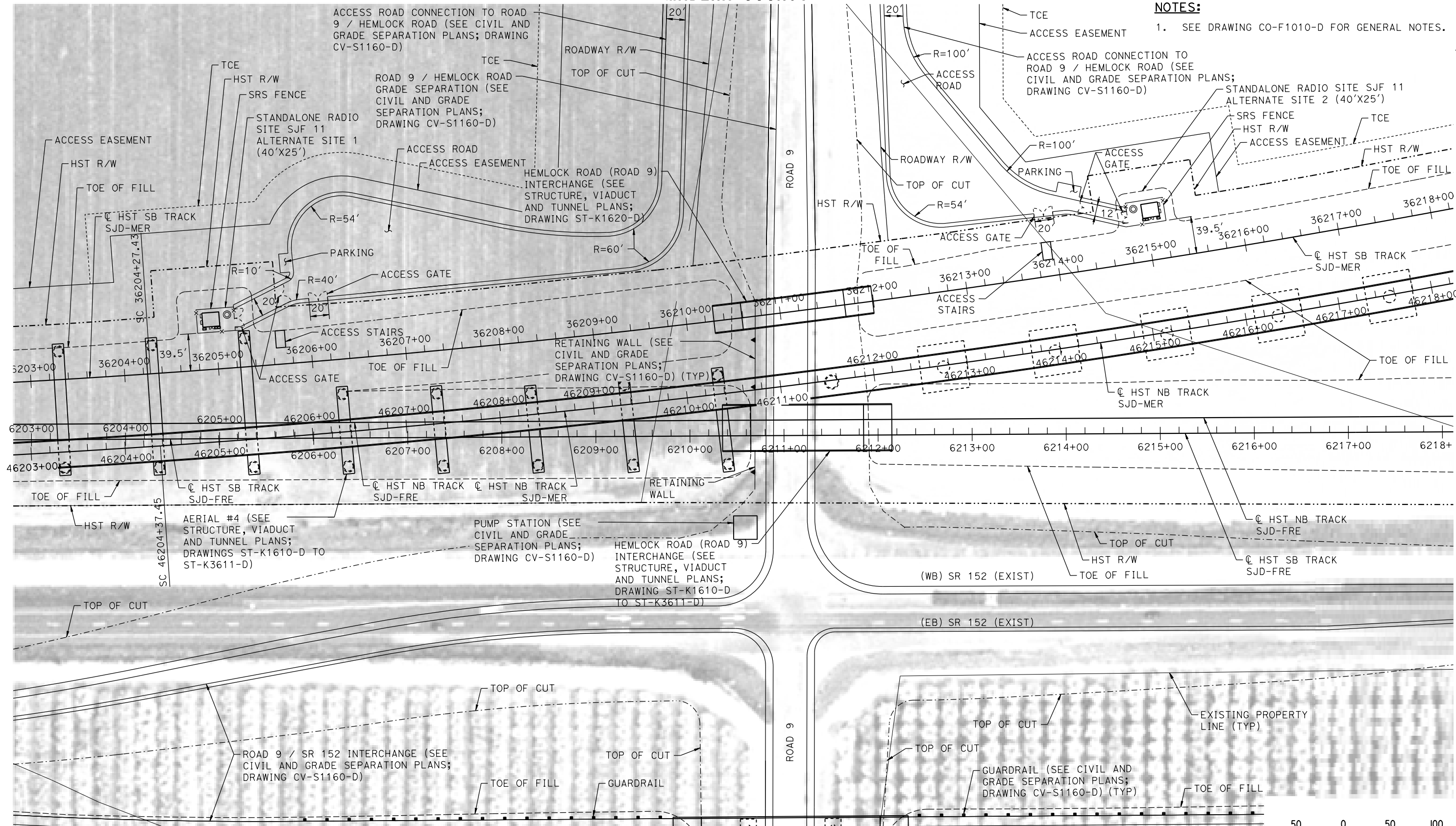
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 7 ALTERNATE SITE 2

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

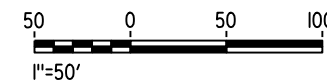
MADERA COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:07:08 MF-CO-F1160-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
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CONSTRUCTION



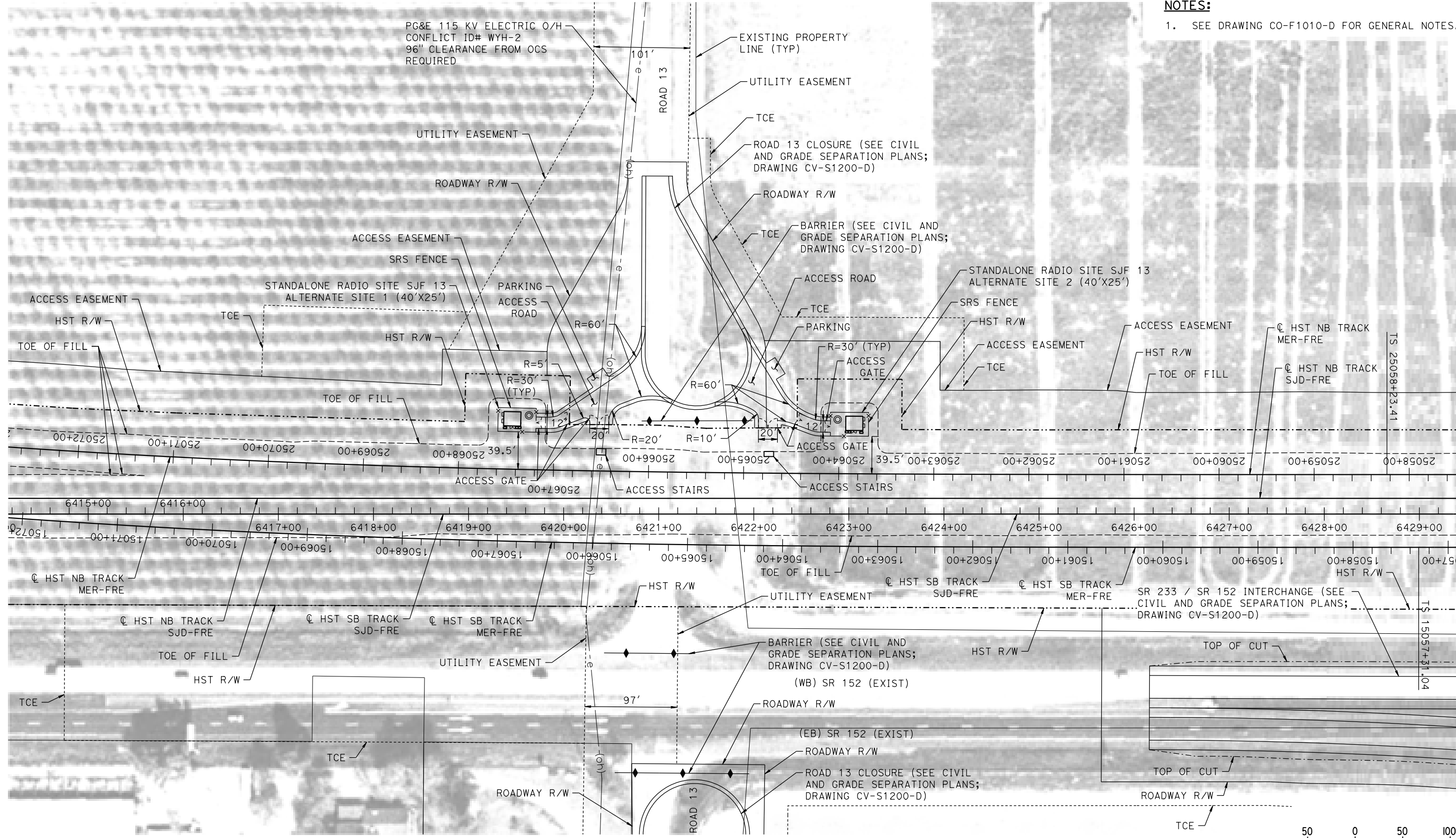
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 11 ALTERNATE SITES 1 & 2

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

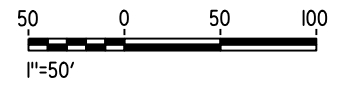
MADERA COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:07:09 MF-CO-F1200-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1200-D

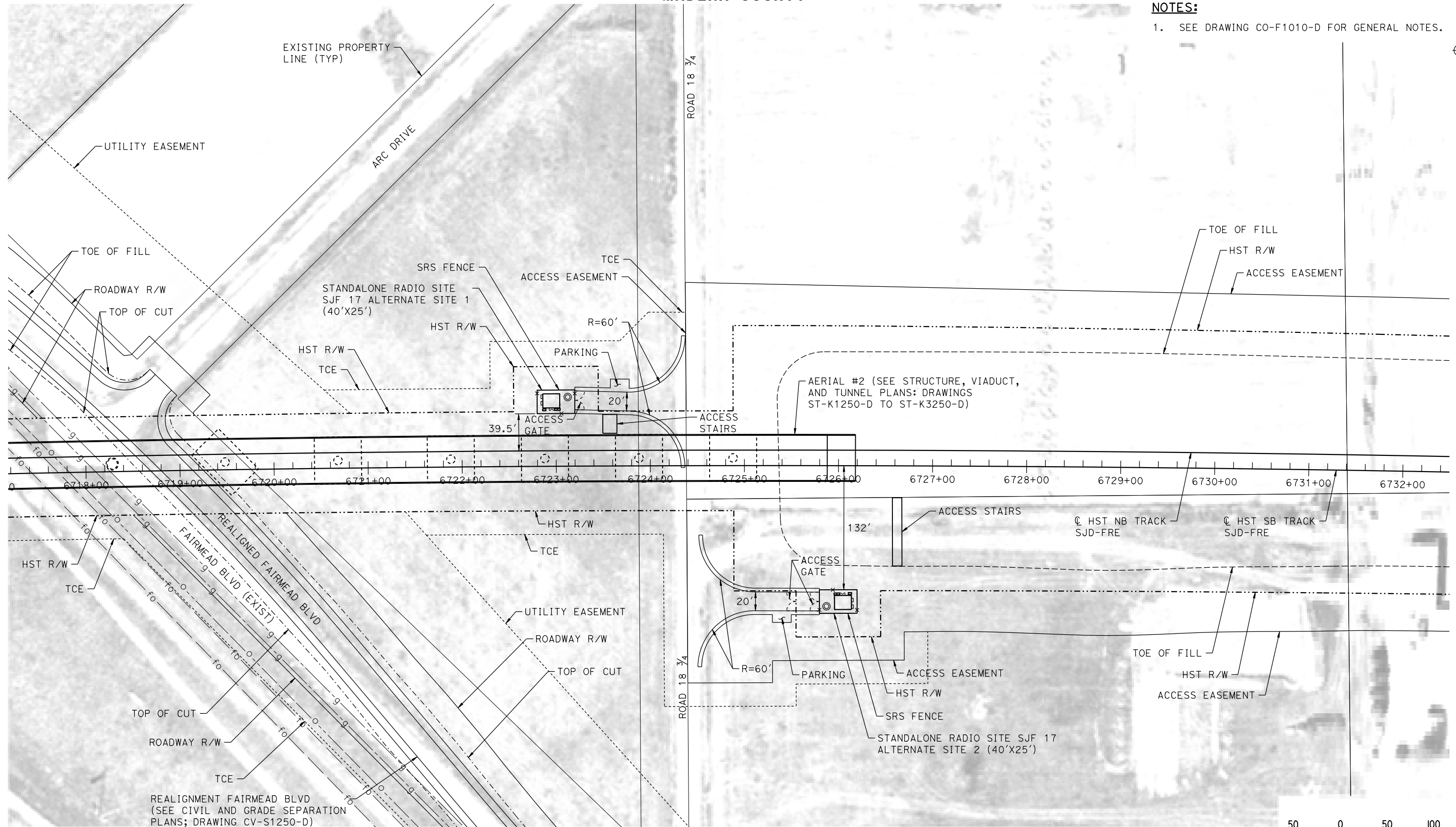
SCALE
AS SHOWN

SHEET NO.

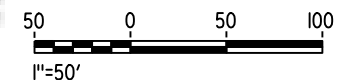
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



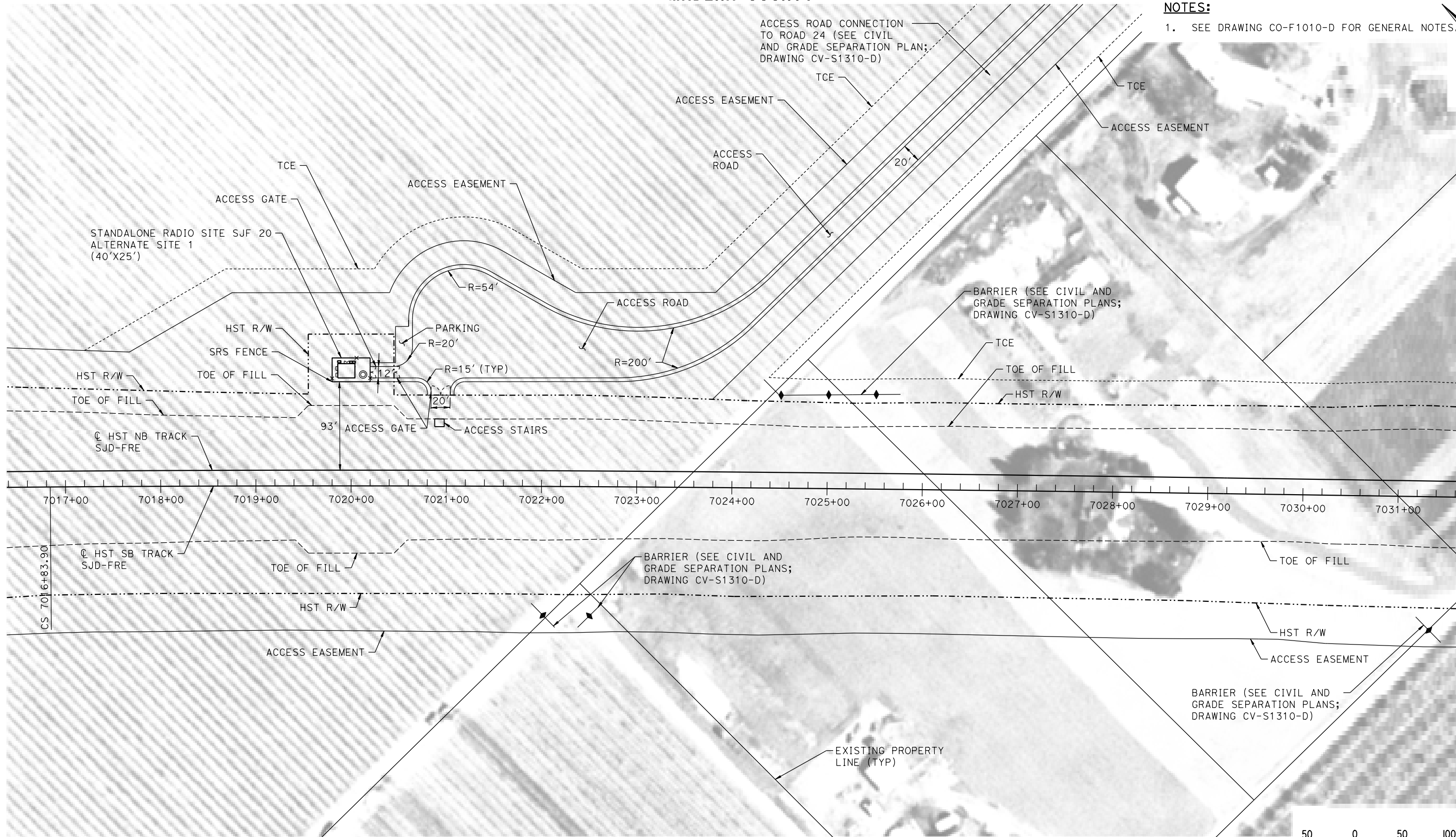
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 17 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

14-AUG-2016 10:17:10 MF-CO-F1310-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



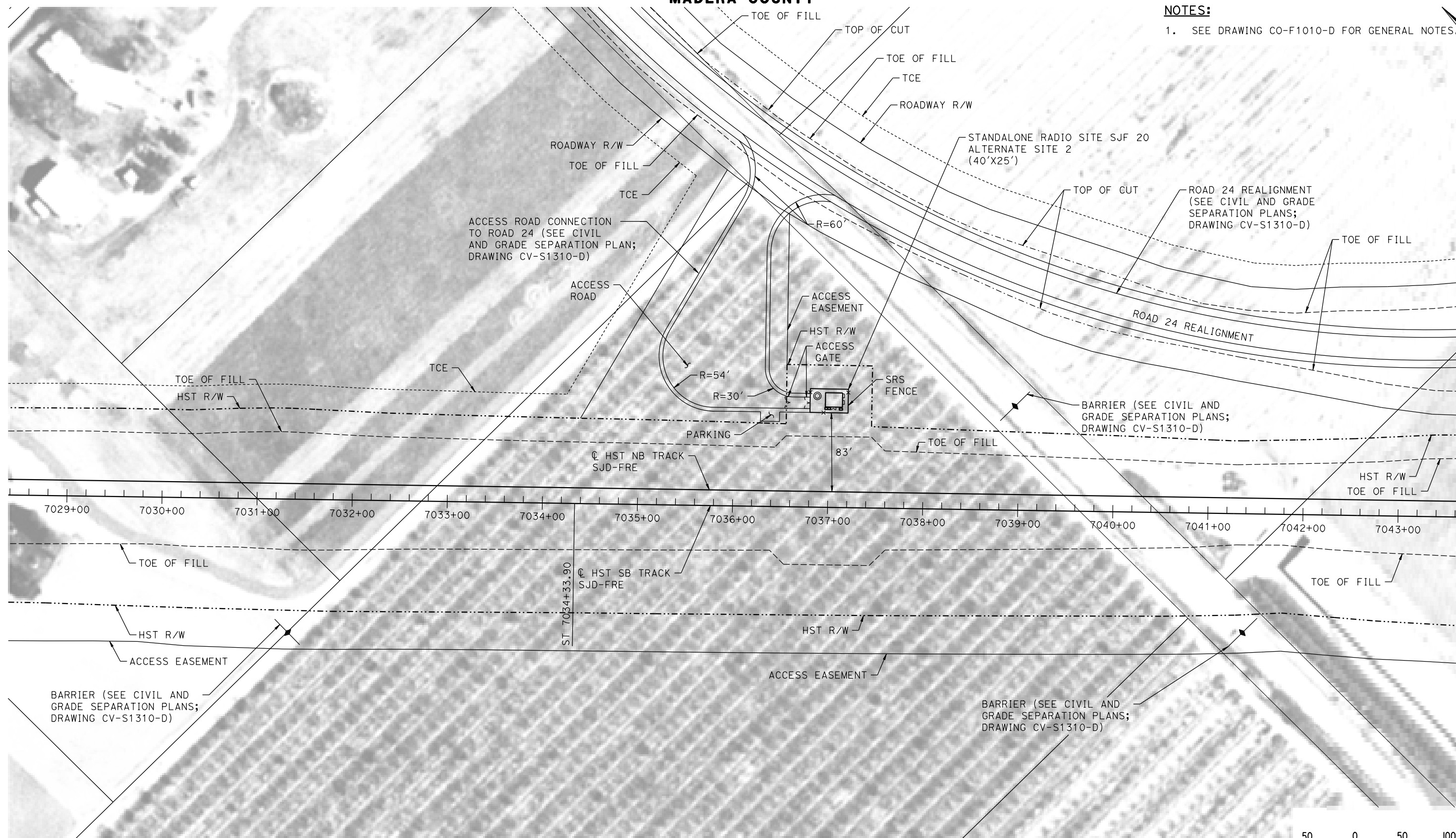
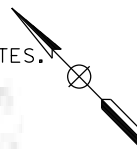
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 20 ALTERNATE SITE 1

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

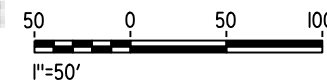
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

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H. MCINNIS

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IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1311-D

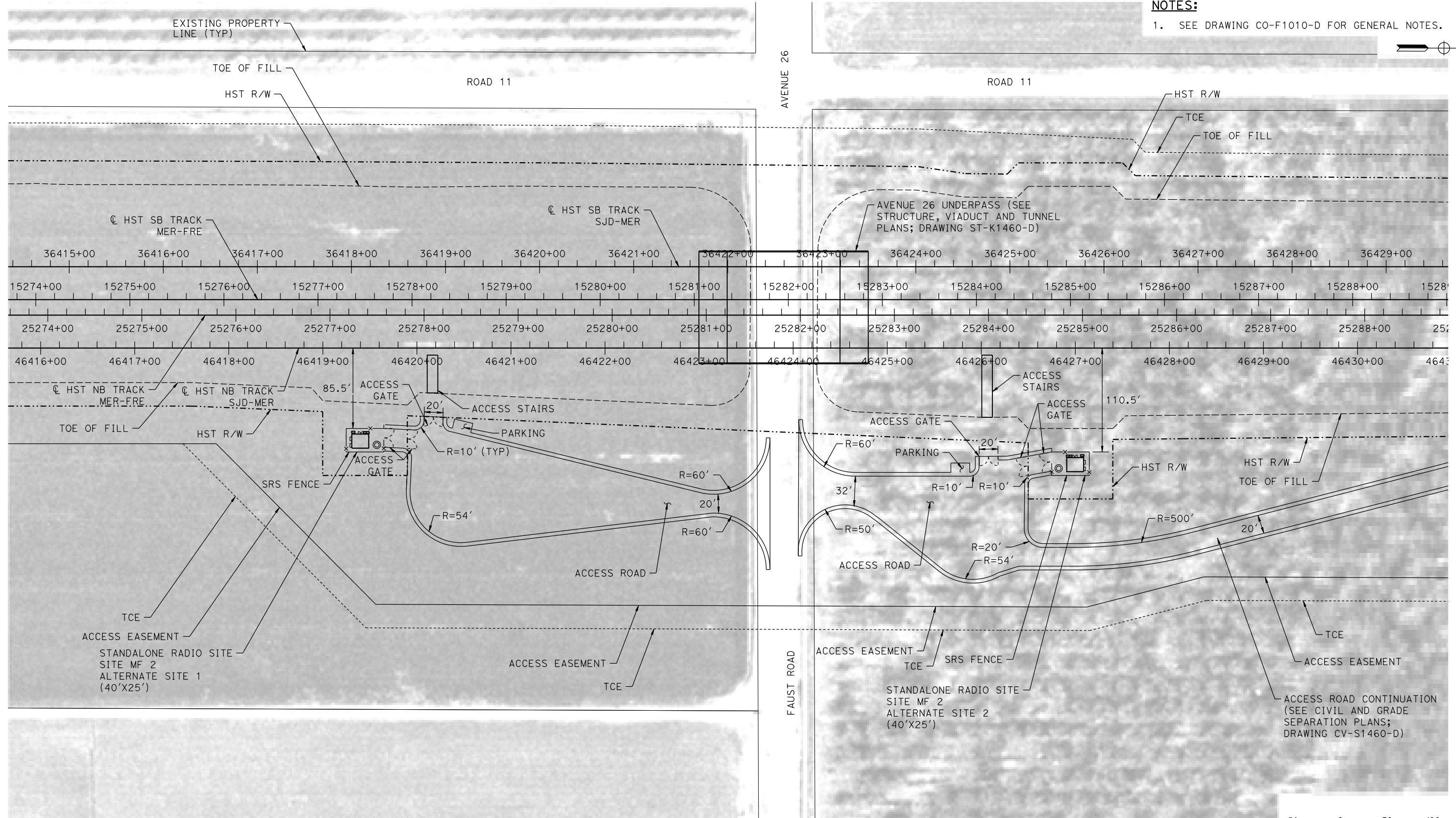
SCALE
AS SHOWN

SHEET NO.

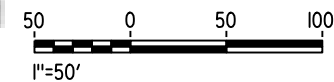
MADERA COUNTY

NOTES:

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



PLAN



14-AUG-2016 10:11 MF-CO-F1460-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

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H. MCINNIS

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ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1460-D

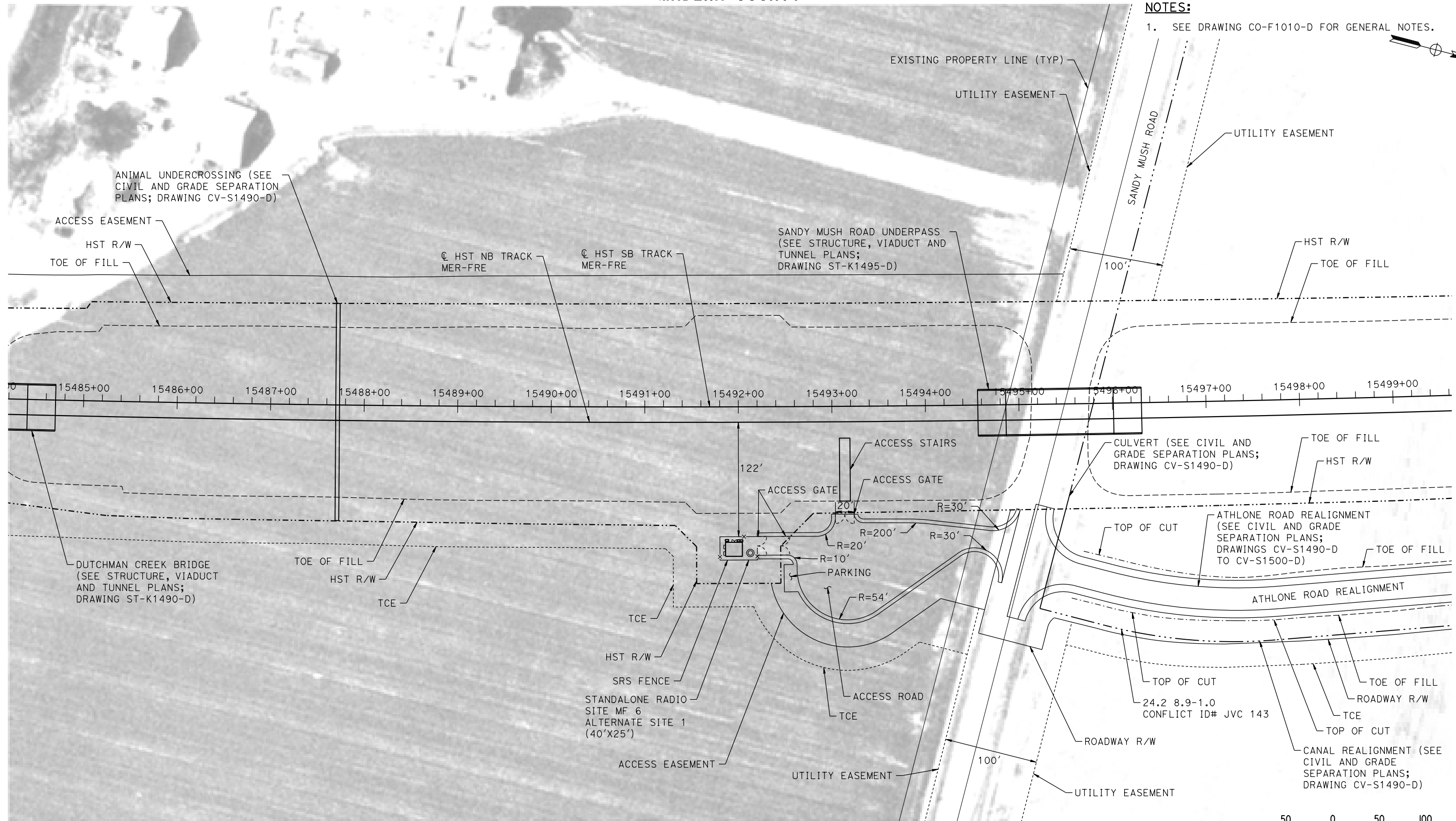
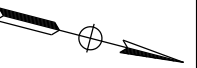
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SHEET NO.

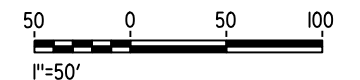
MADERA COUNTY

NOTES:

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



PLAN



30-AUG-2016 12:35 MF-CO-F1490-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



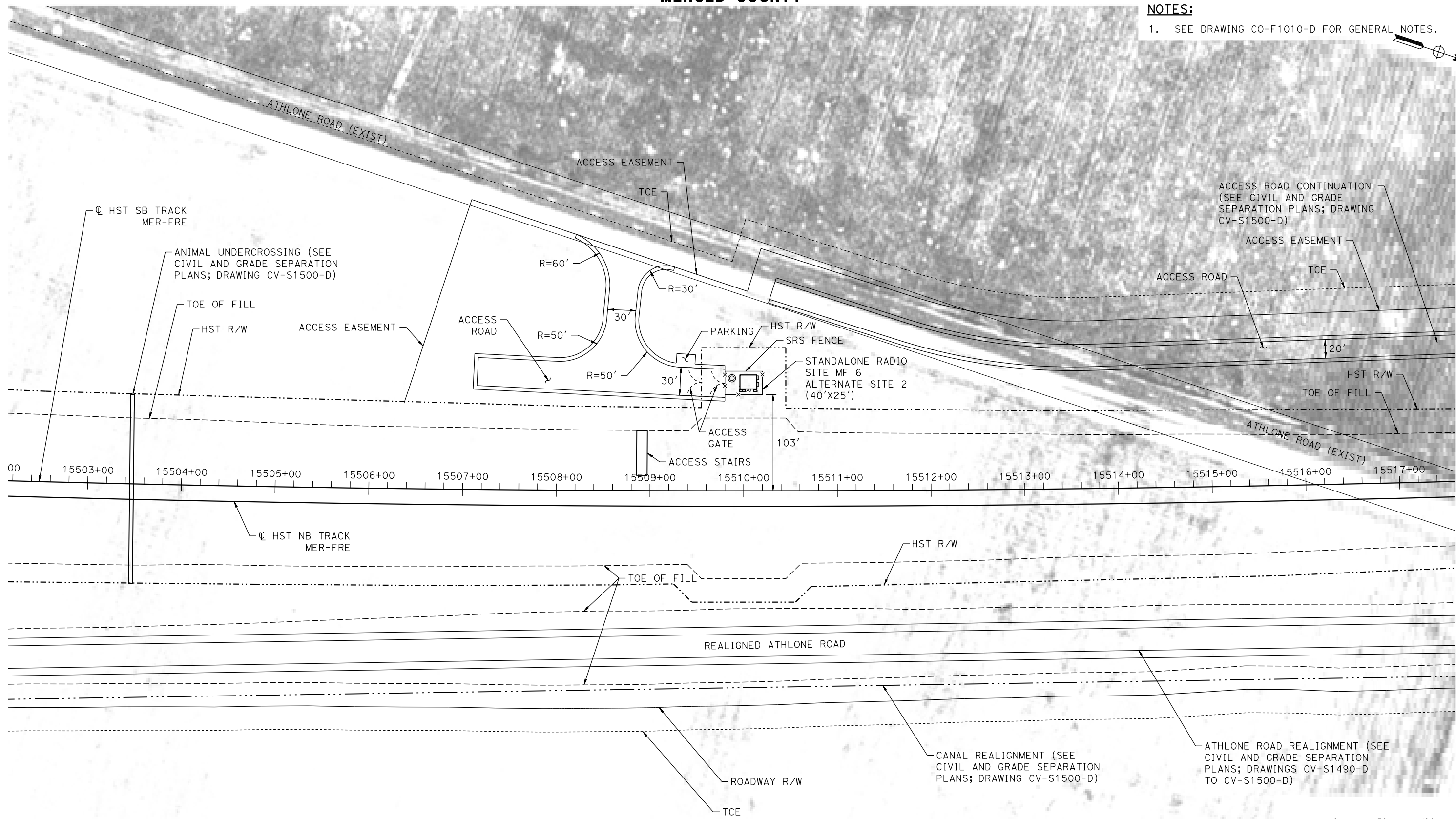
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 6 ALTERNATE SITE 1

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

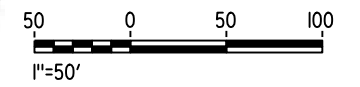
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
CO-F1500-D

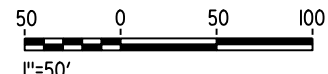
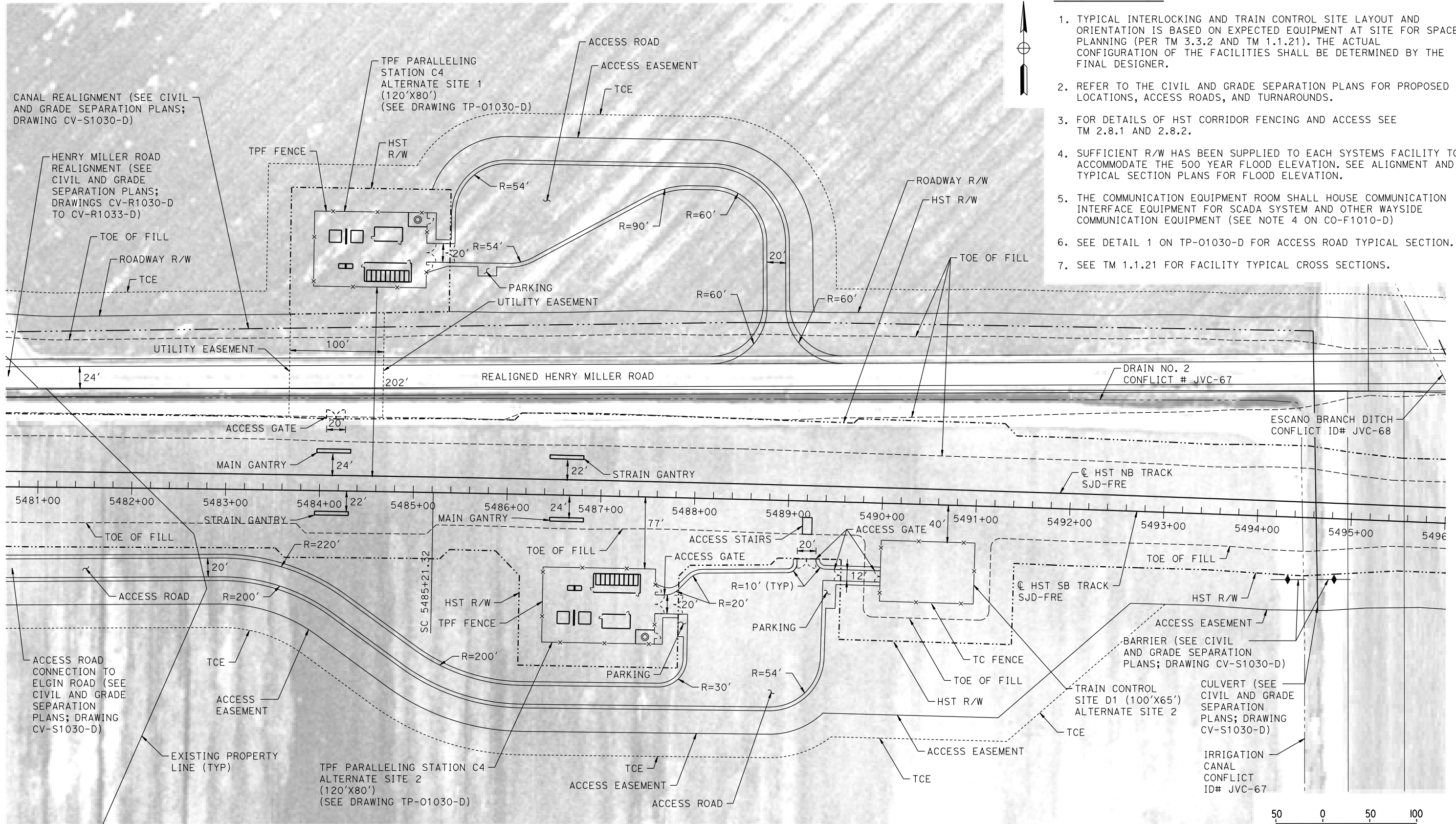
SCALE
AS SHOWN

SHEET NO.

MERCED COUNTY

GENERAL NOTES:

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



PLAN

14-AUG-2016 10:17:53 MF-TC-F1030-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



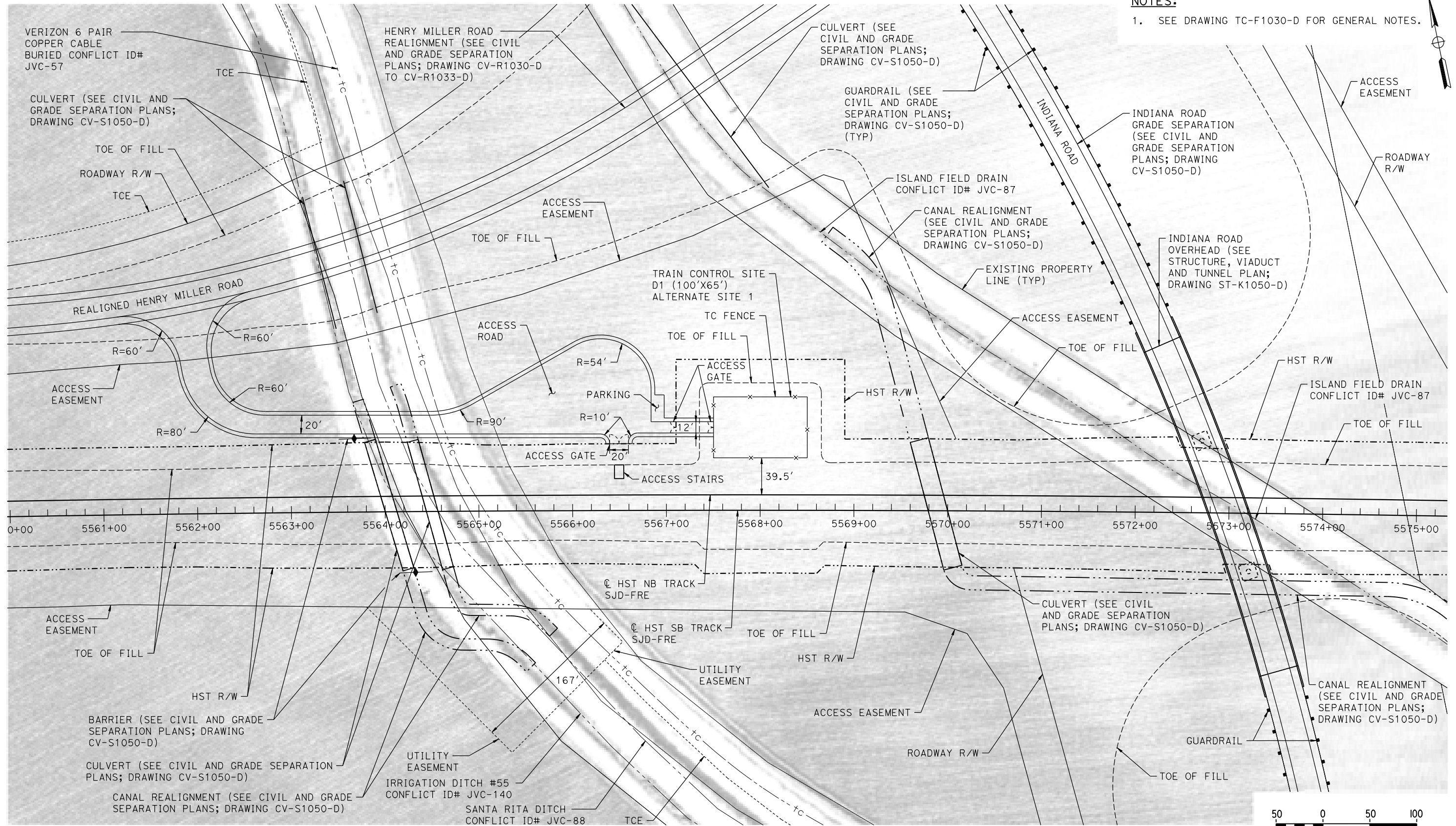
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 2

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

MERCED COUNTY

NOTES:

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



PLAN

01-SEP-2016 10:11 MF-TC-F1050-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1050-D

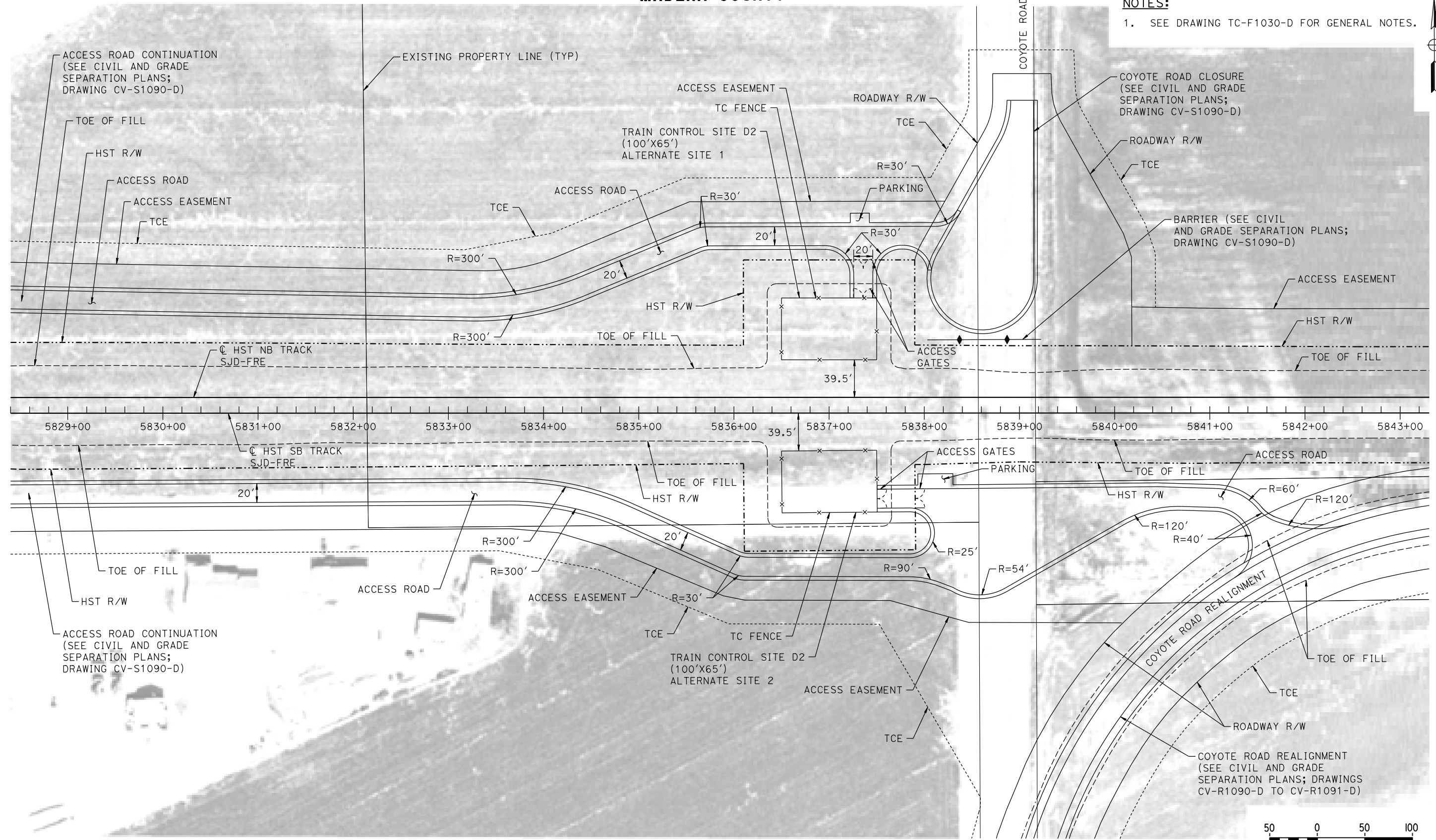
SCALE
AS SHOWN

SHEET NO.

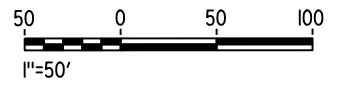
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

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

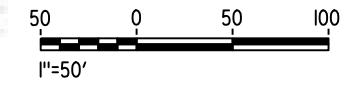
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
09/09/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6083+15

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1140-D

SCALE
AS SHOWN

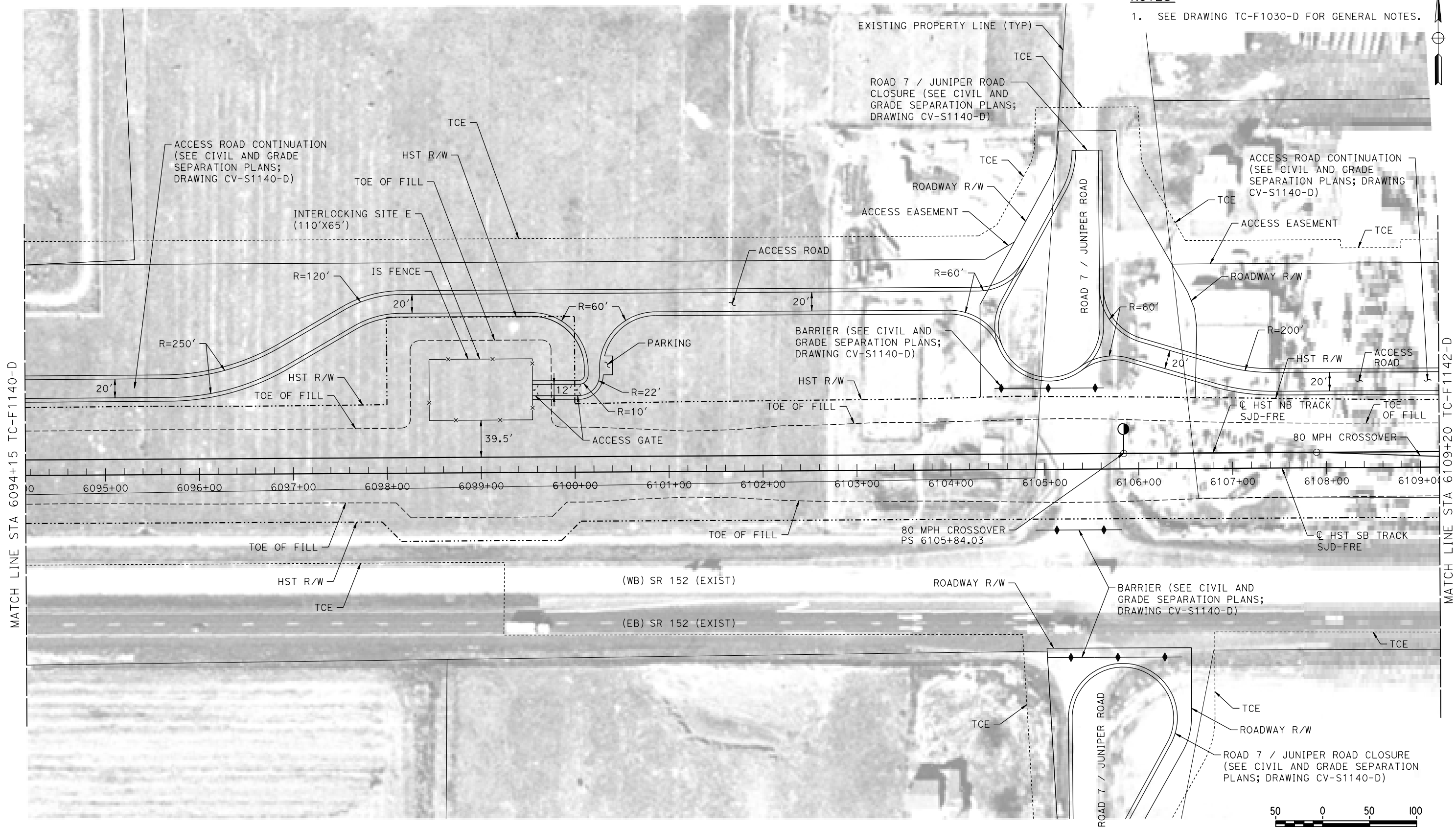
SHEET NO.

MATCH LINE STA 6094+15 TC-F1141-D

MADERA COUNTY

NOTES:

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



PLAN

01-SEP-2016 0:12 MF-TC-F1141-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



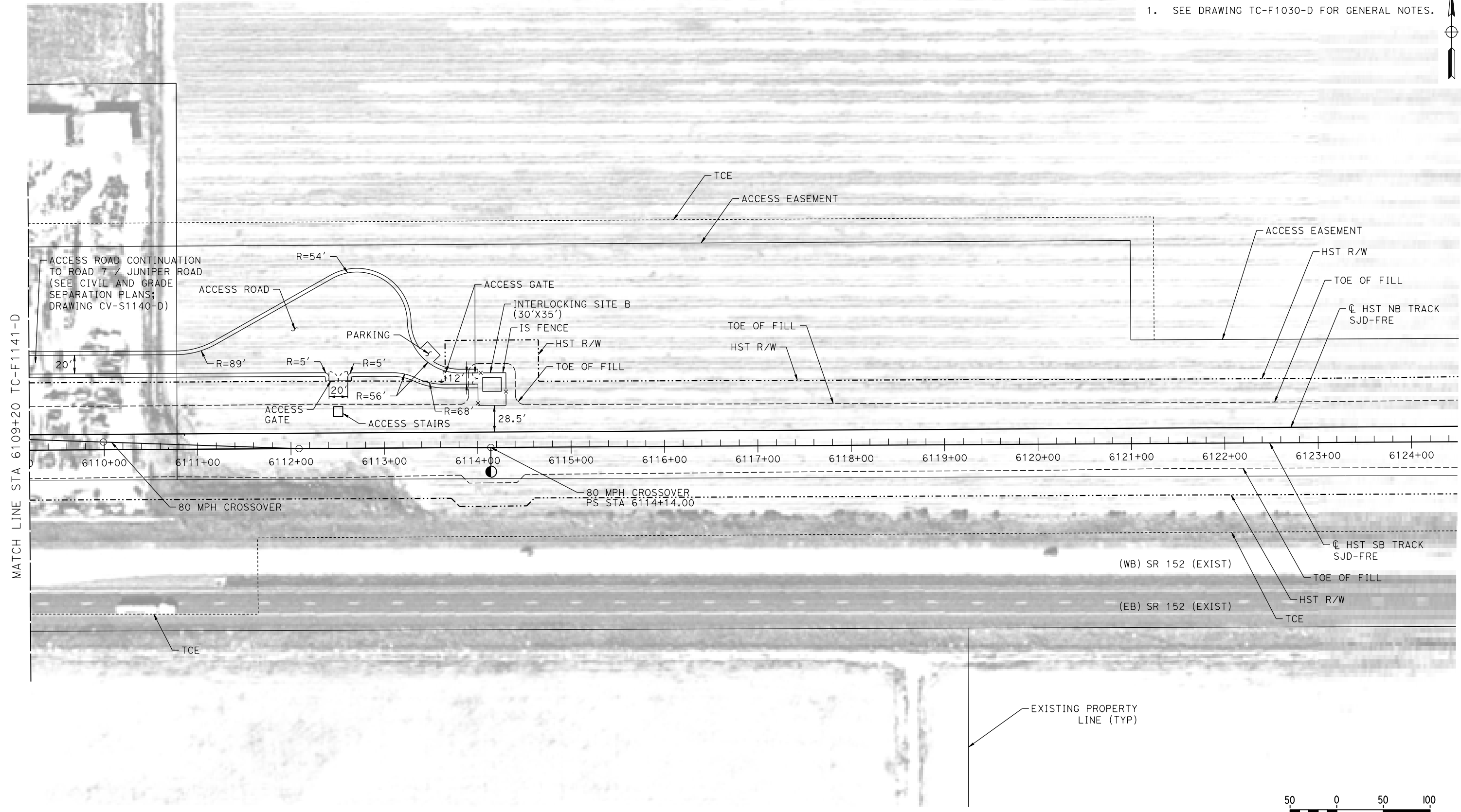
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6099+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1141-D
SCALE
AS SHOWN
SHEET NO.

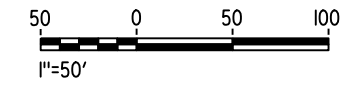
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6114+14

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1142-D

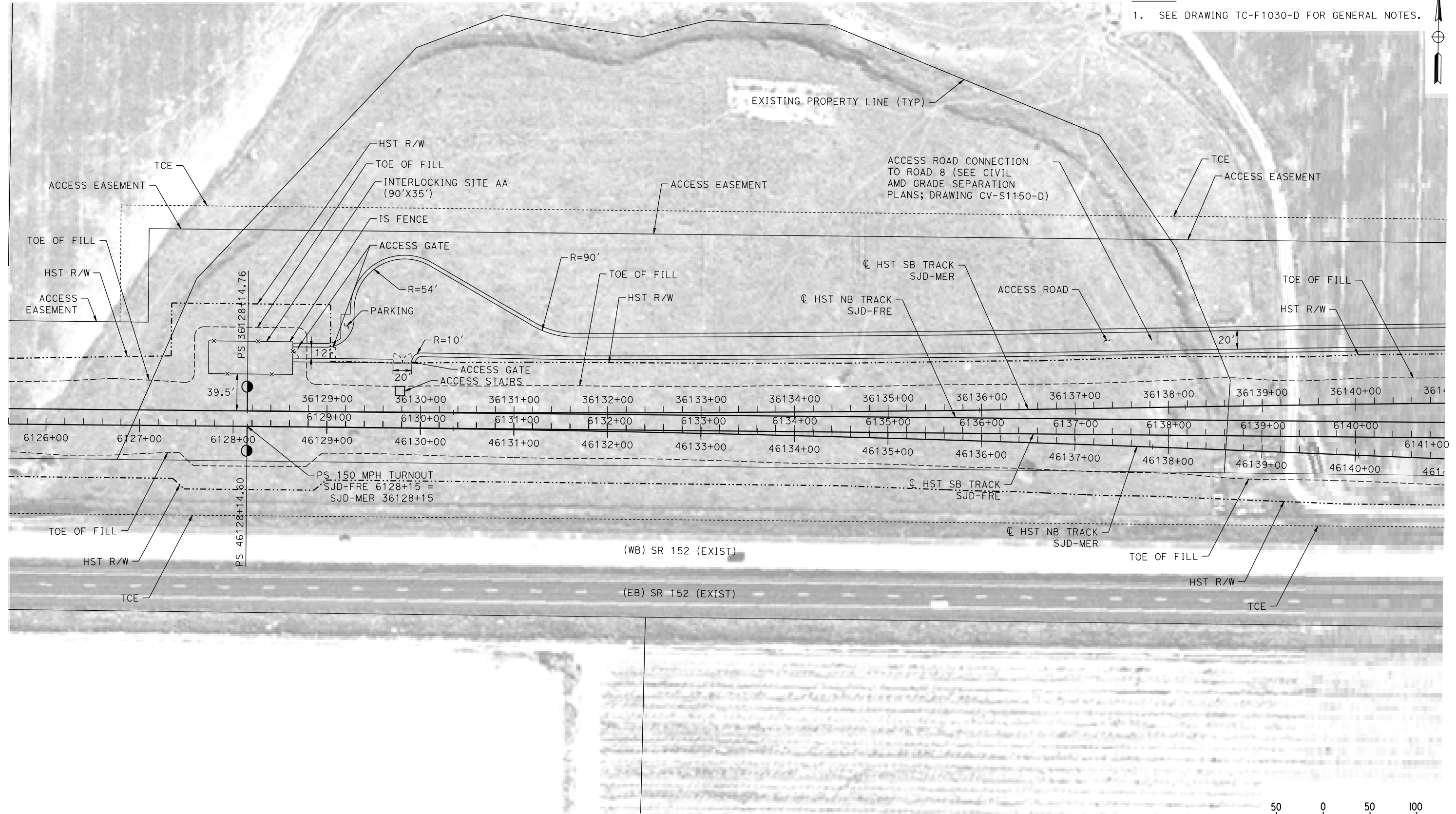
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY

NOTES:

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



PLAN

12-AUG-2016 10:54 MF-TC-F1150-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



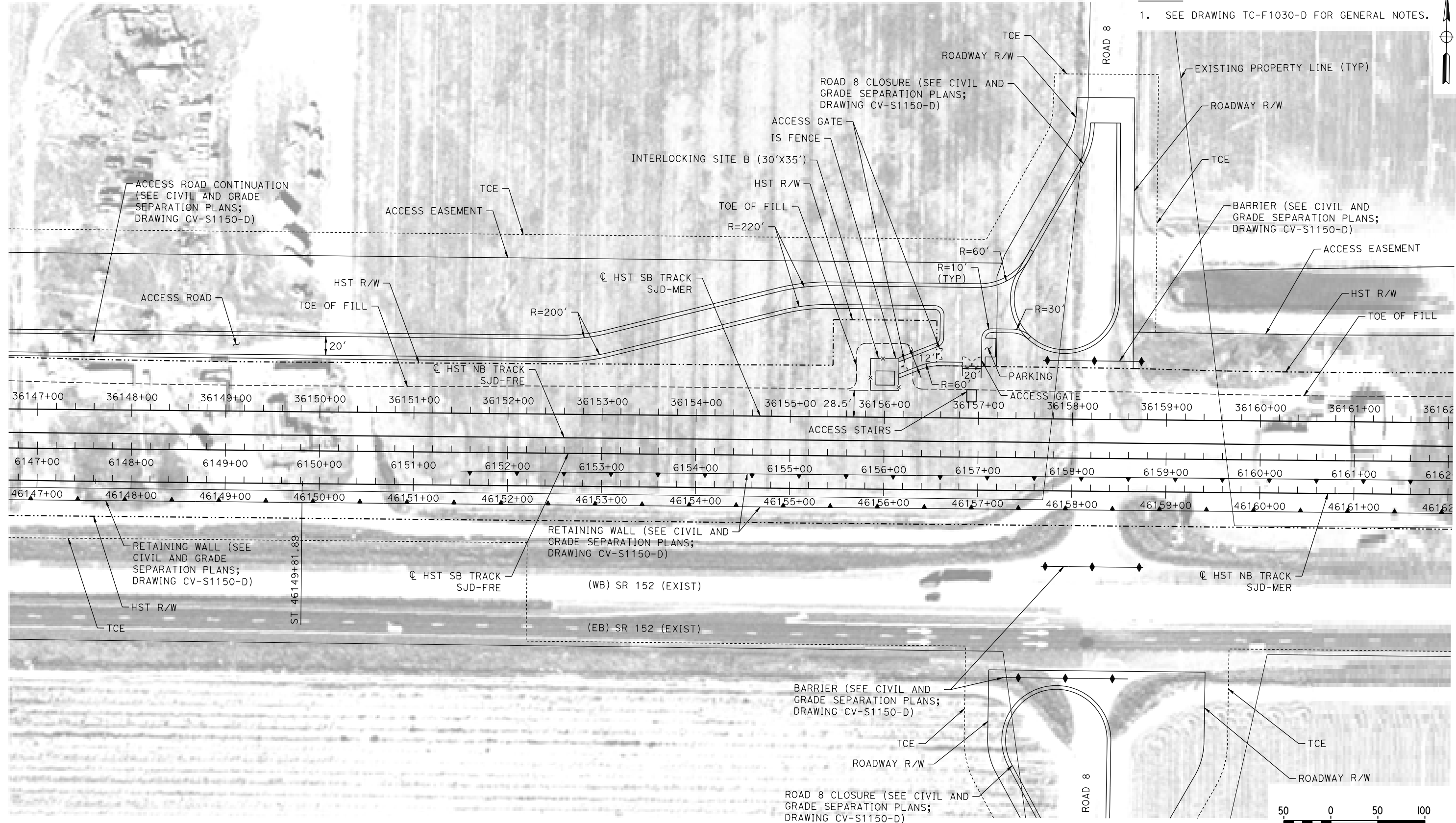
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6128+15

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

MADERA COUNTY

NOTES:

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



PLAN

12-AUG-2016 9:53 MF-TC-F1151-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



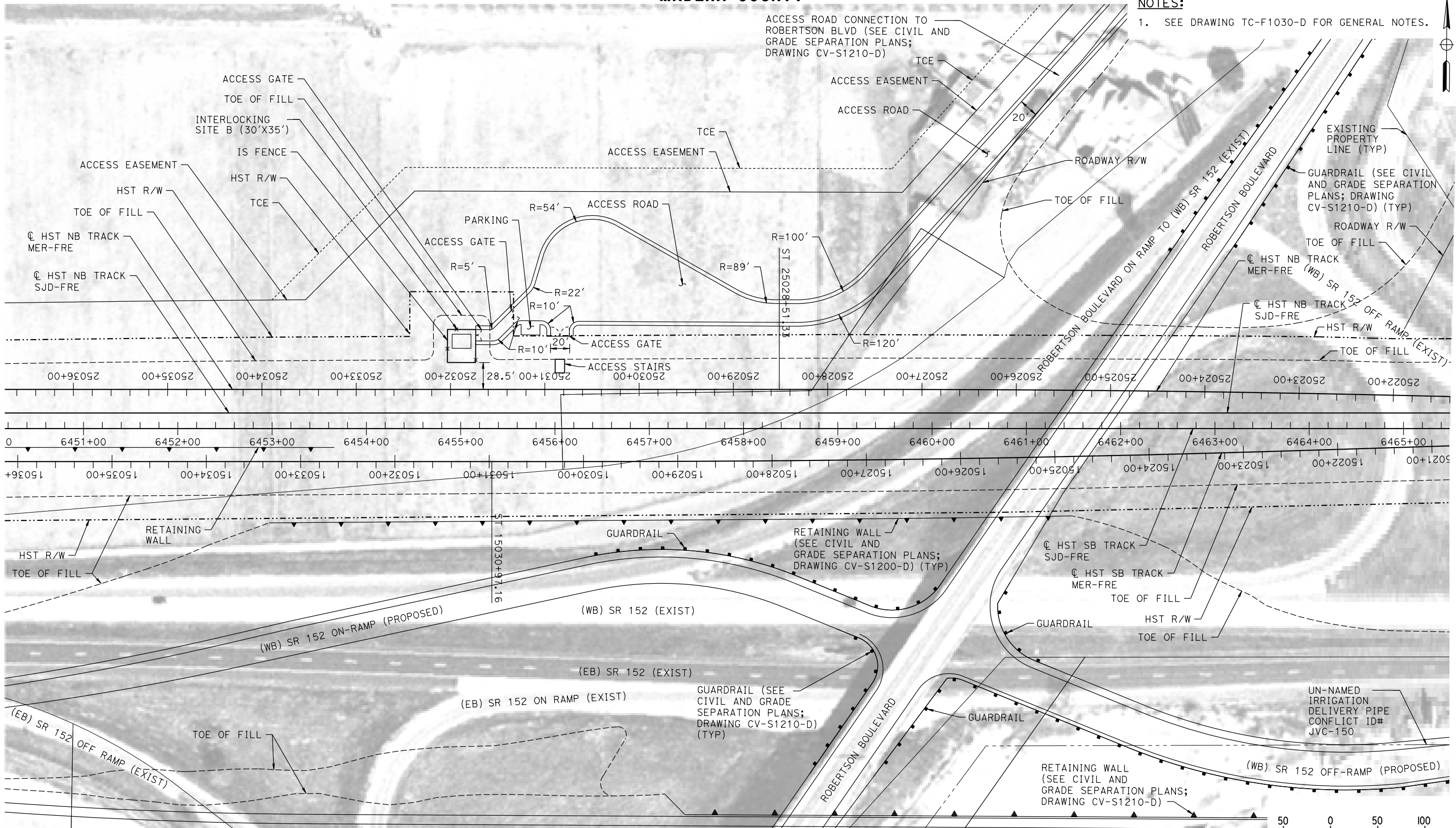
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6156+00

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

MADERA COUNTY

NOTES:

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6455+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1200-D

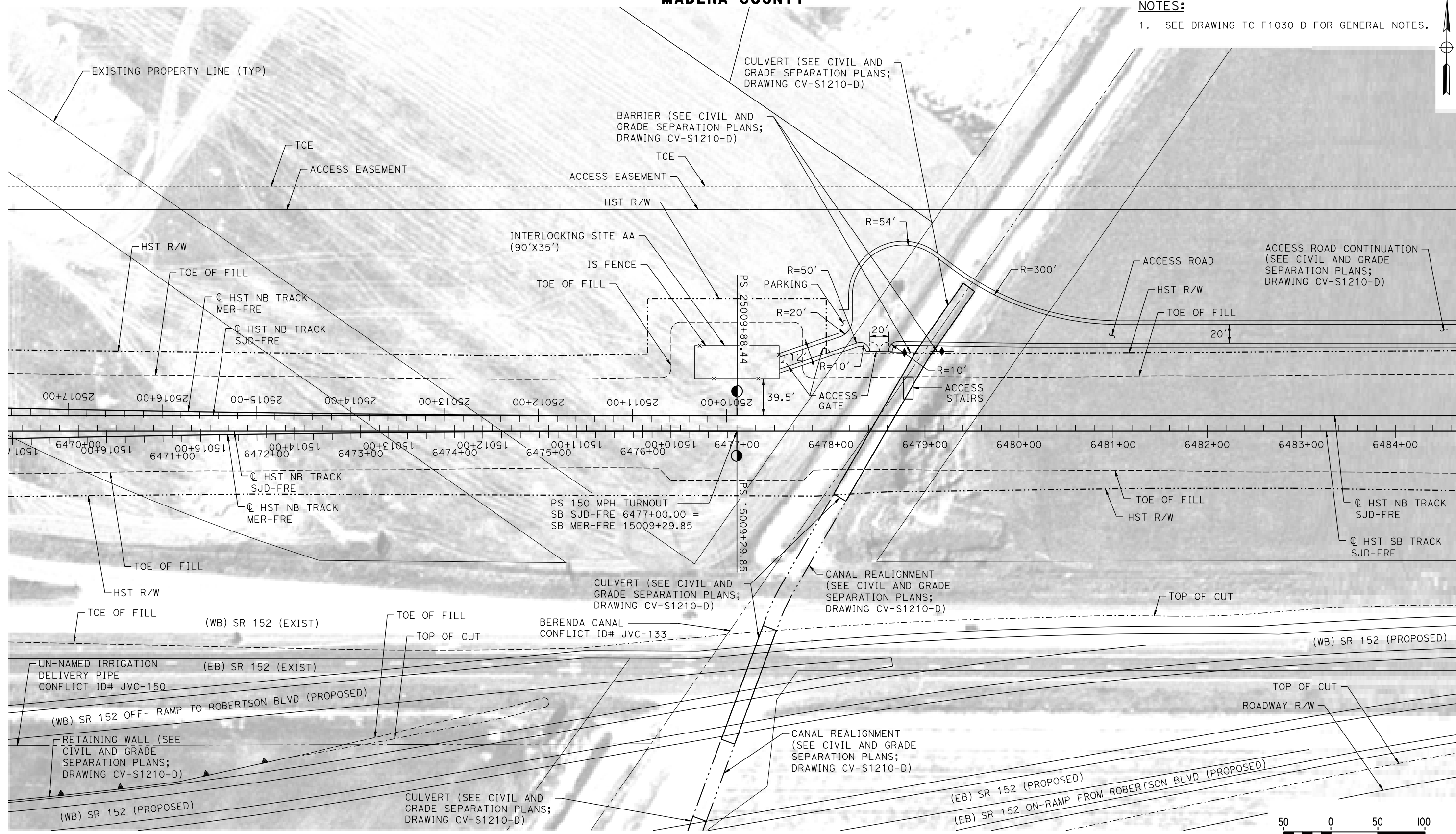
SCALE
AS SHOWN

SHEET NO.

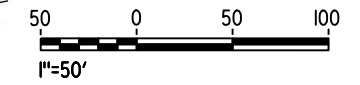
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



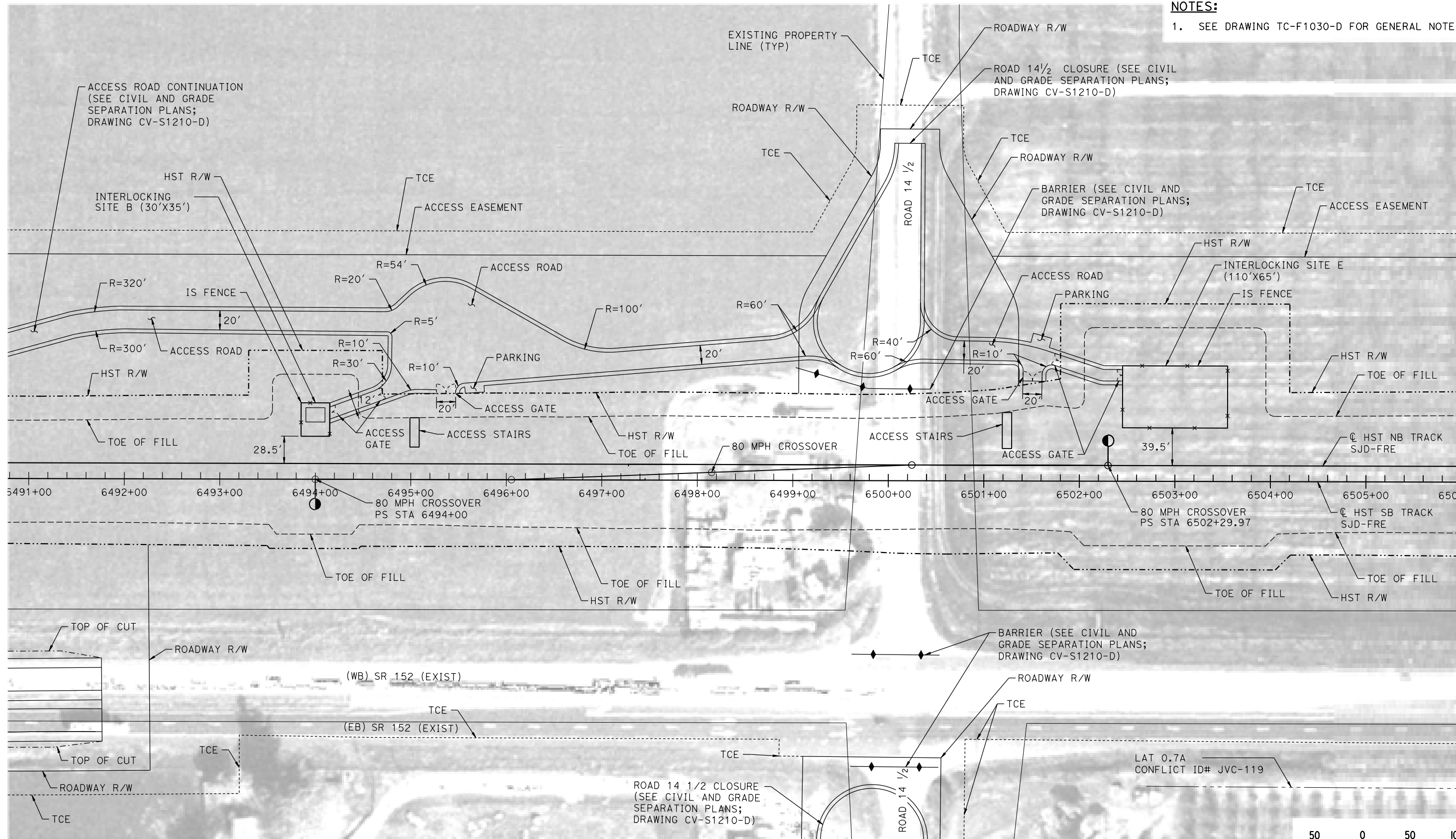
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6477+00

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

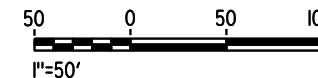
MADERA COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCK SITE B @ 6494+00 & INTERLOCK SITE E @ 6503+00

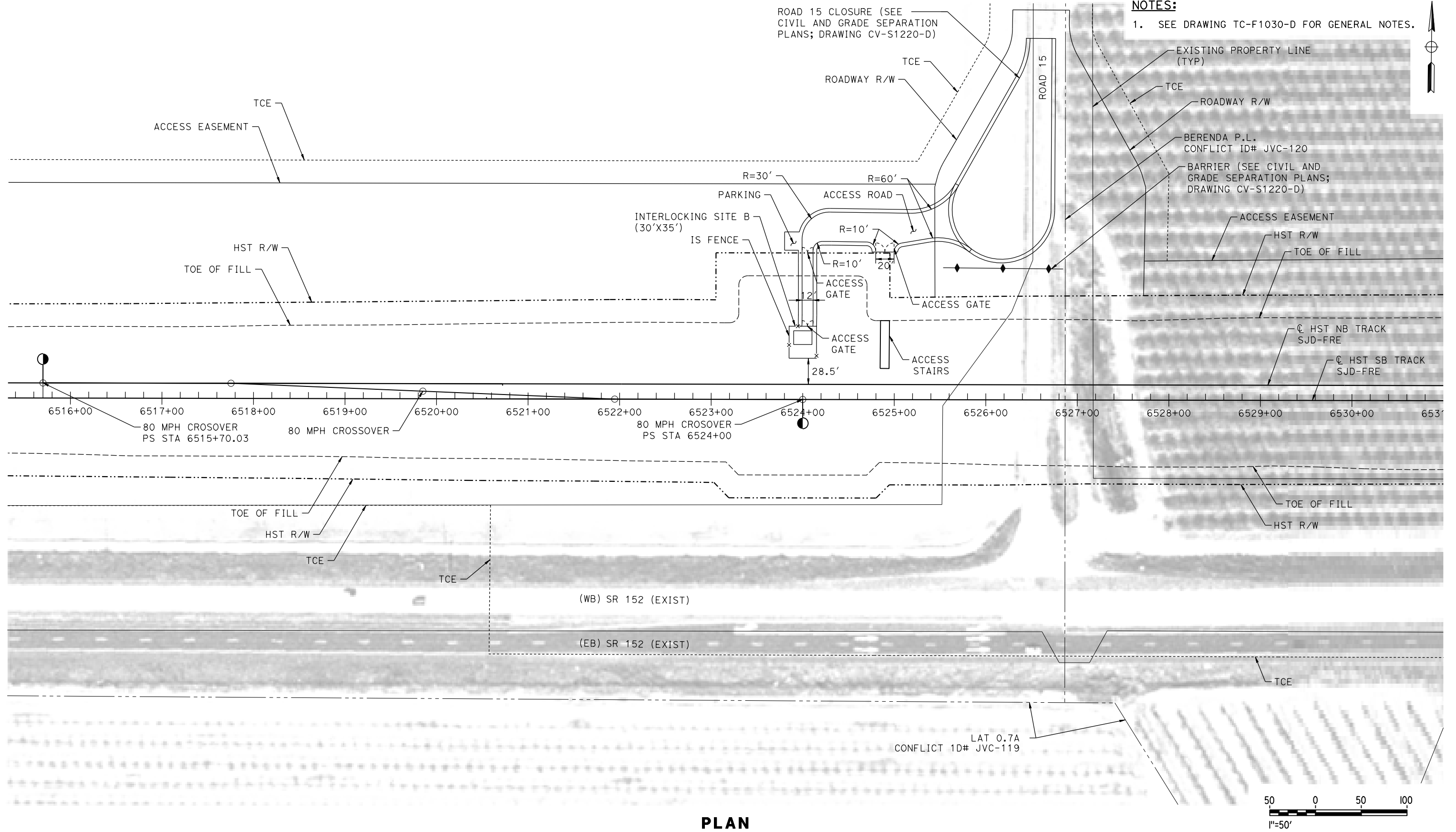
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1211-D
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

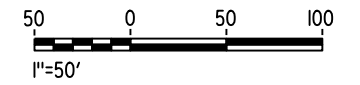
ROAD 15 CLOSURE (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1220-D)

NOTES:

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



PLAN



12-AUG-2016 10:57 MF-TC-F1220-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

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CONSTRUCTION



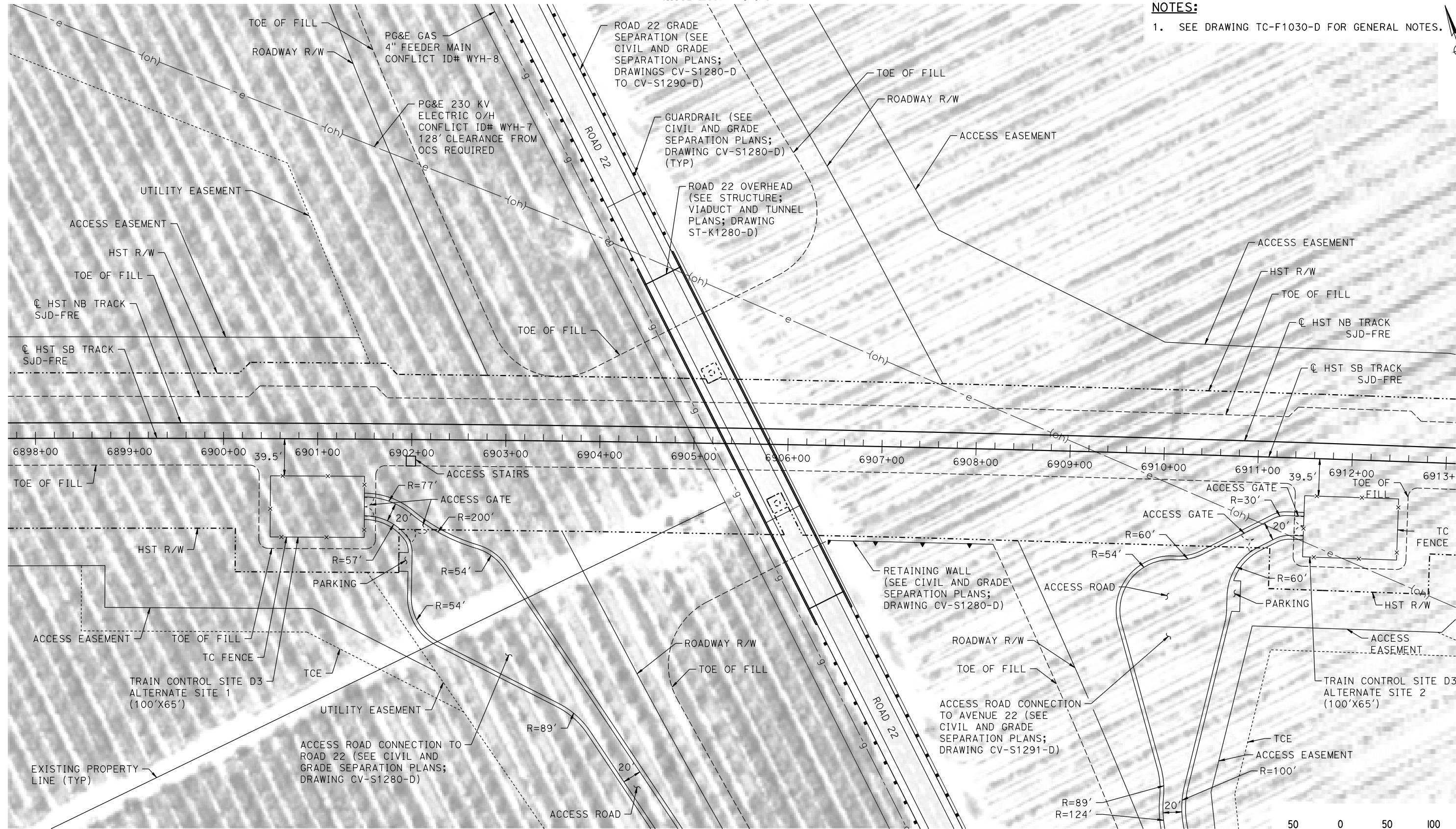
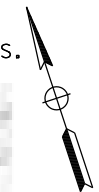
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6524+00

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

MADERA COUNTY

NOTES:

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



PLAN

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



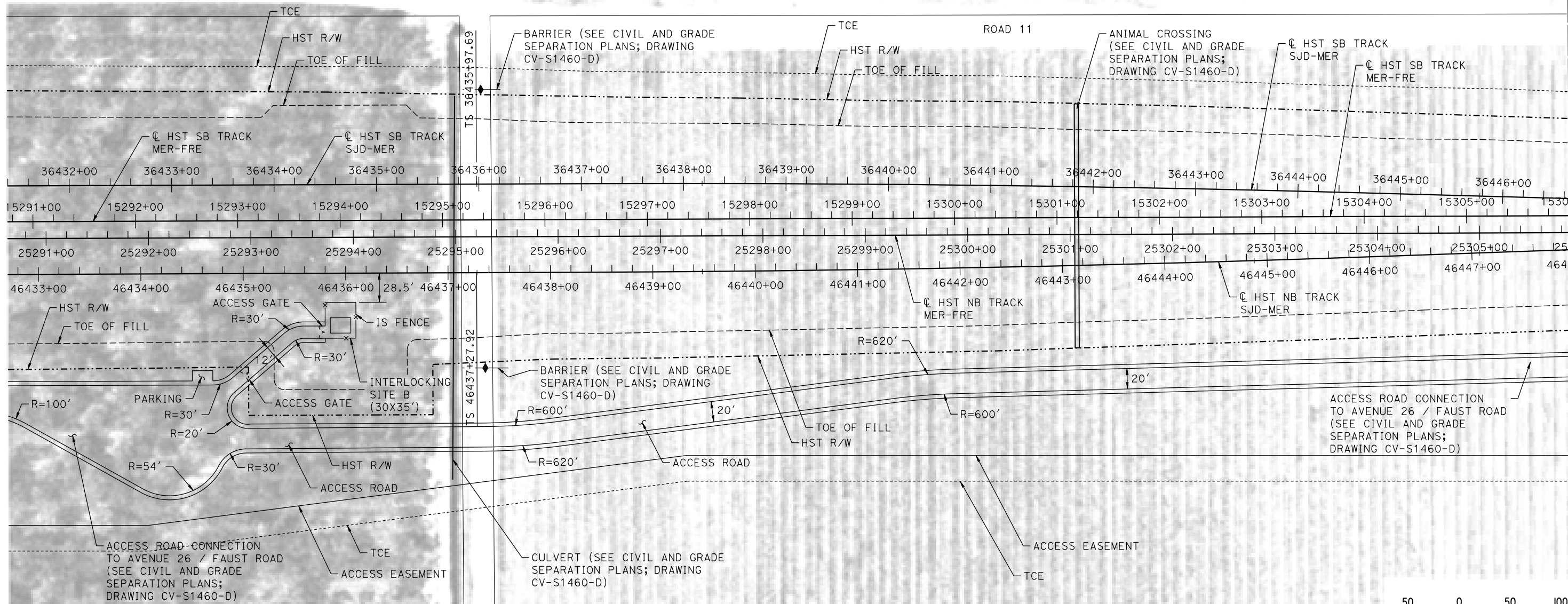
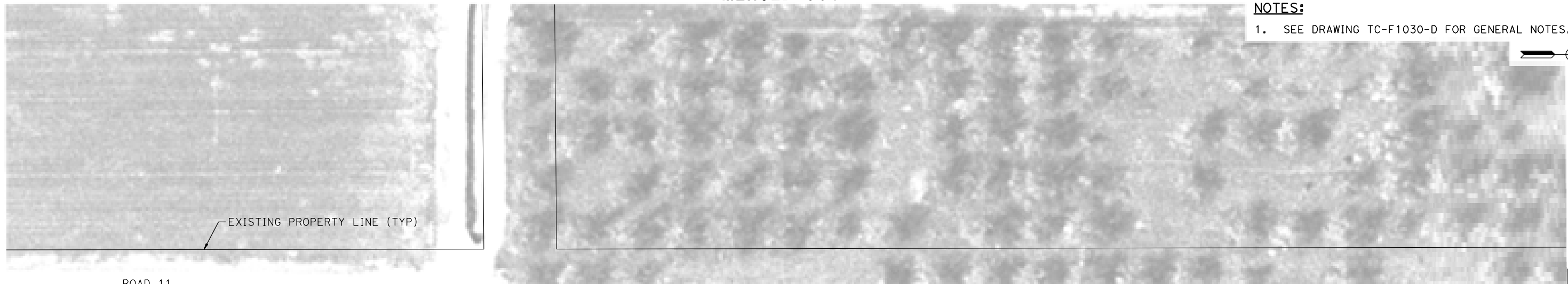
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

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

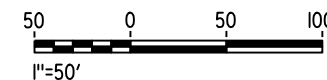
MERCED COUNTY

NOTES:

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



PLAN



12-AUG-2016 11:26 MF-TC-F1460-D.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

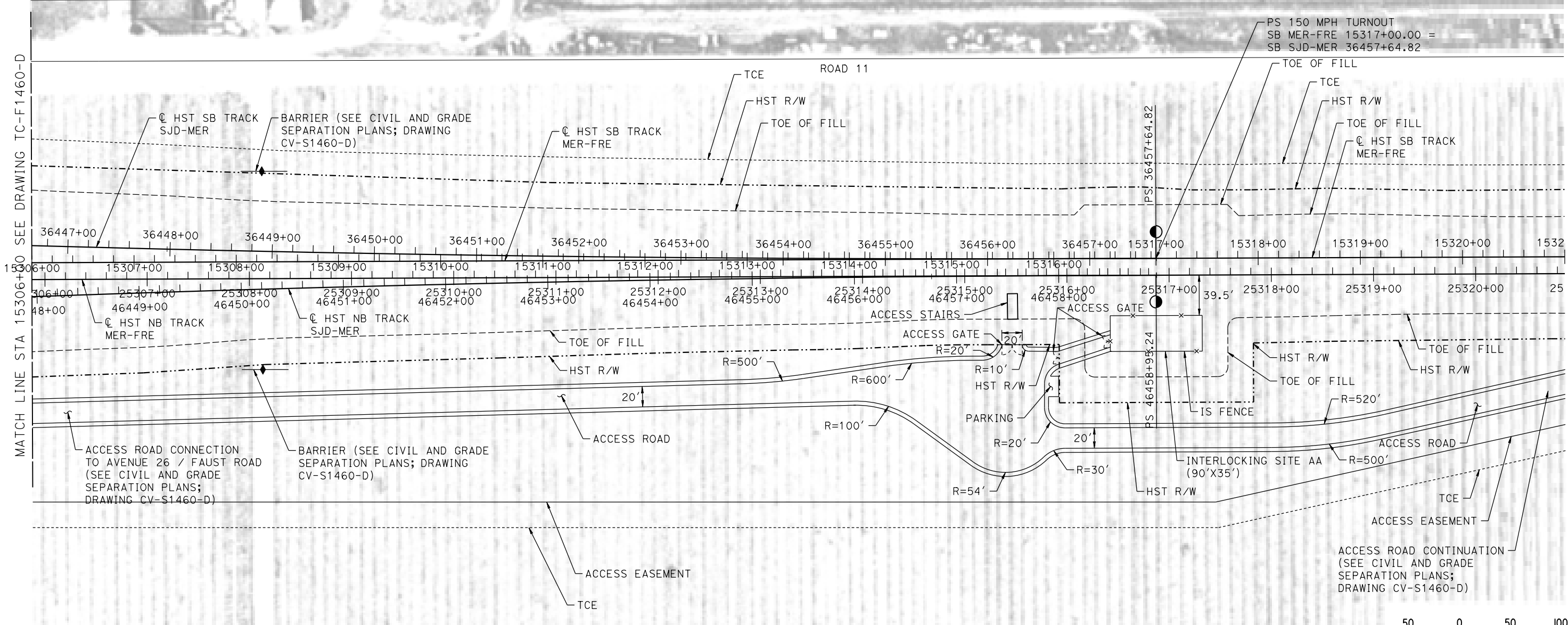
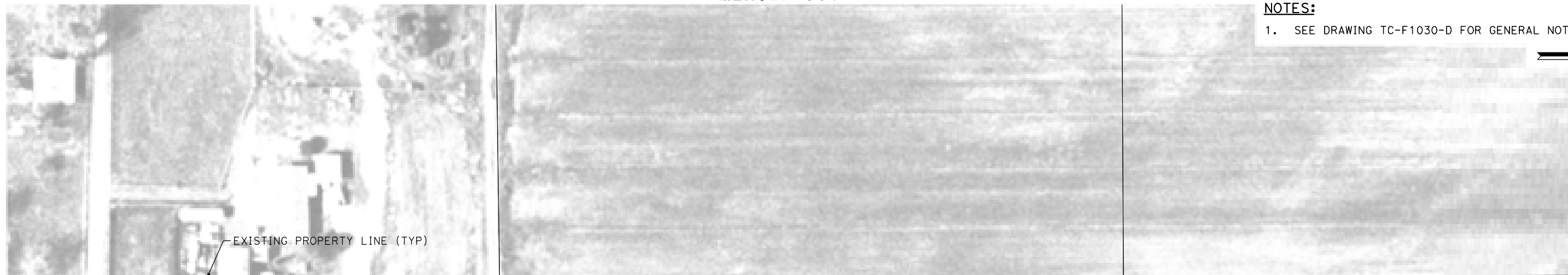
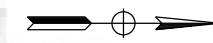
CONTRACT NO.
HSR08-05
DRAWING NO.
TC-F1460-D
SCALE
AS SHOWN
SHEET NO.

MATCH LINE STA 15306+00 SEE DRAWING TC-F1461-D

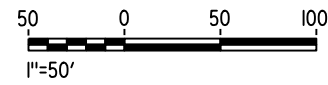
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



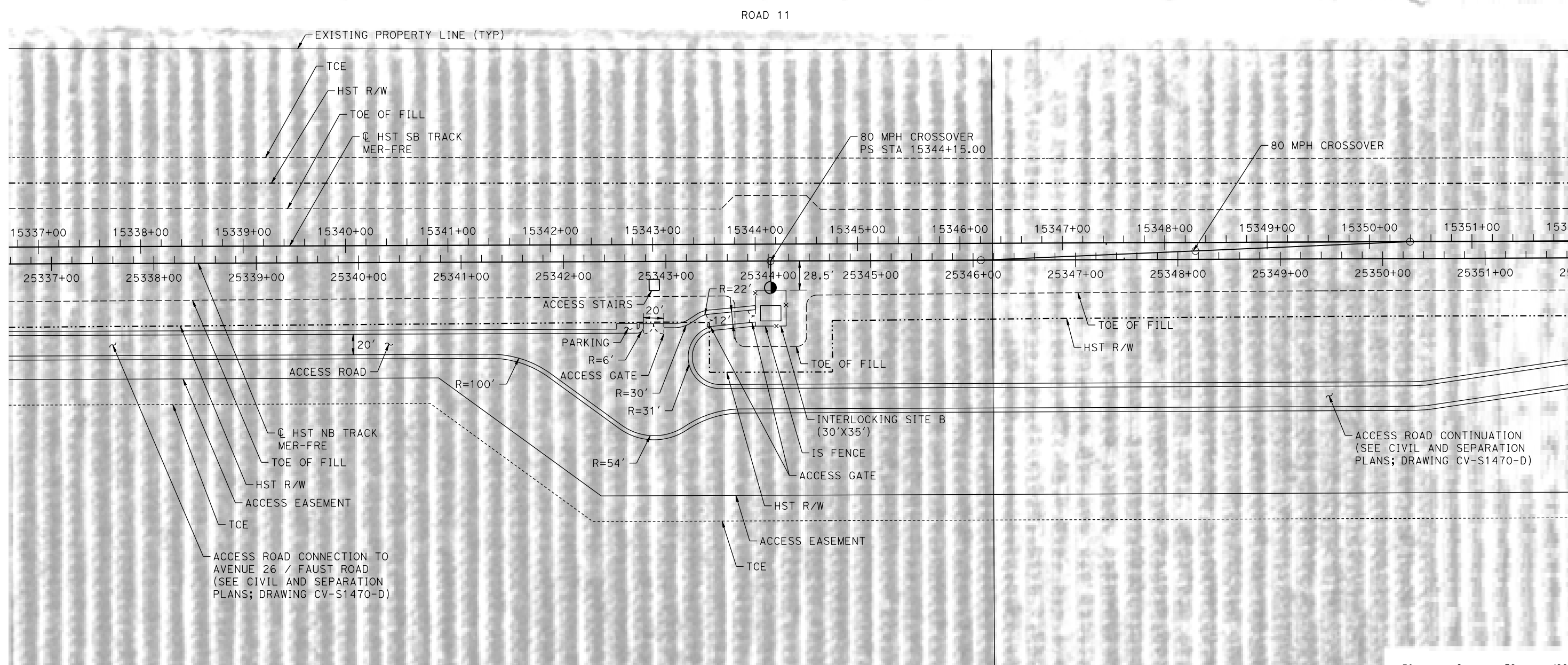
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15317+00

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

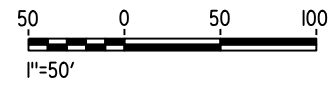
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15344+15

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1470-D

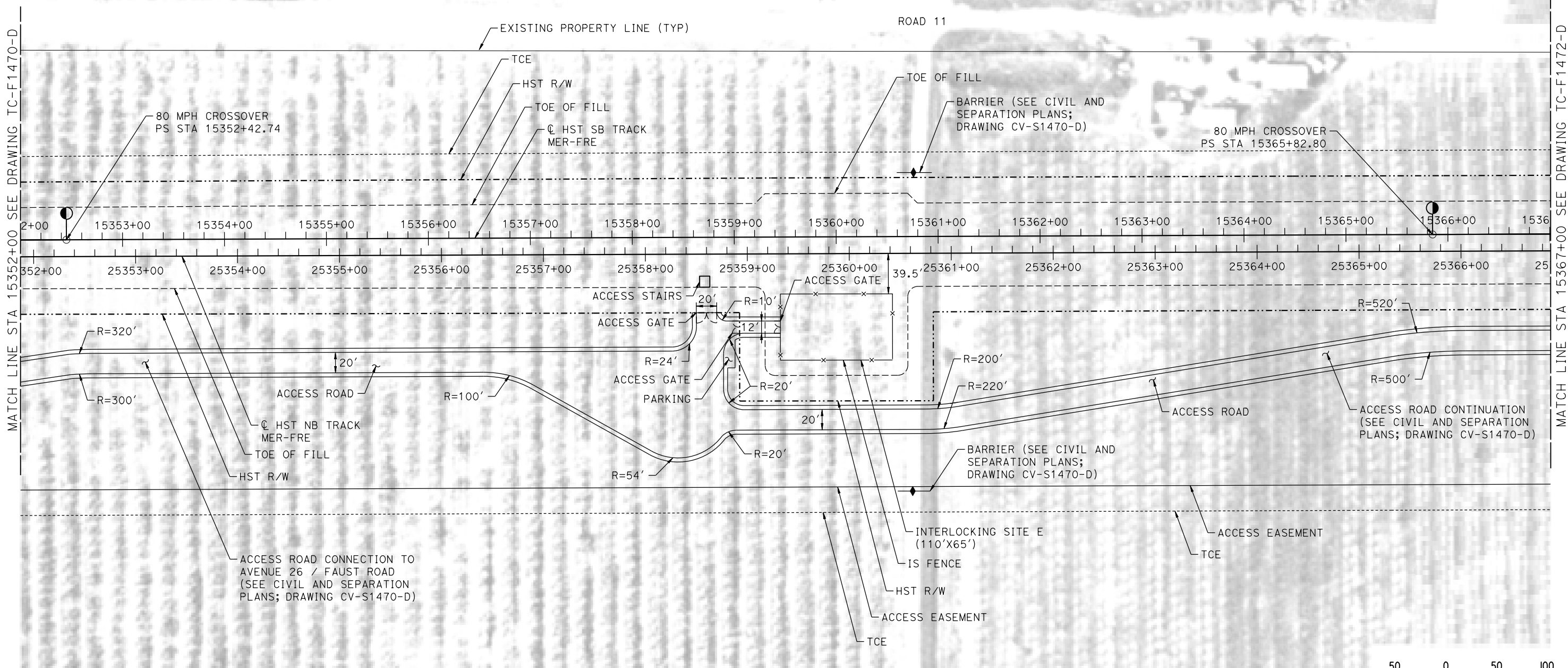
SCALE
AS SHOWN

SHEET NO.

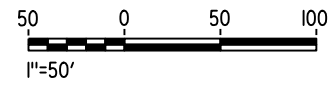
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 15360+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1471-D

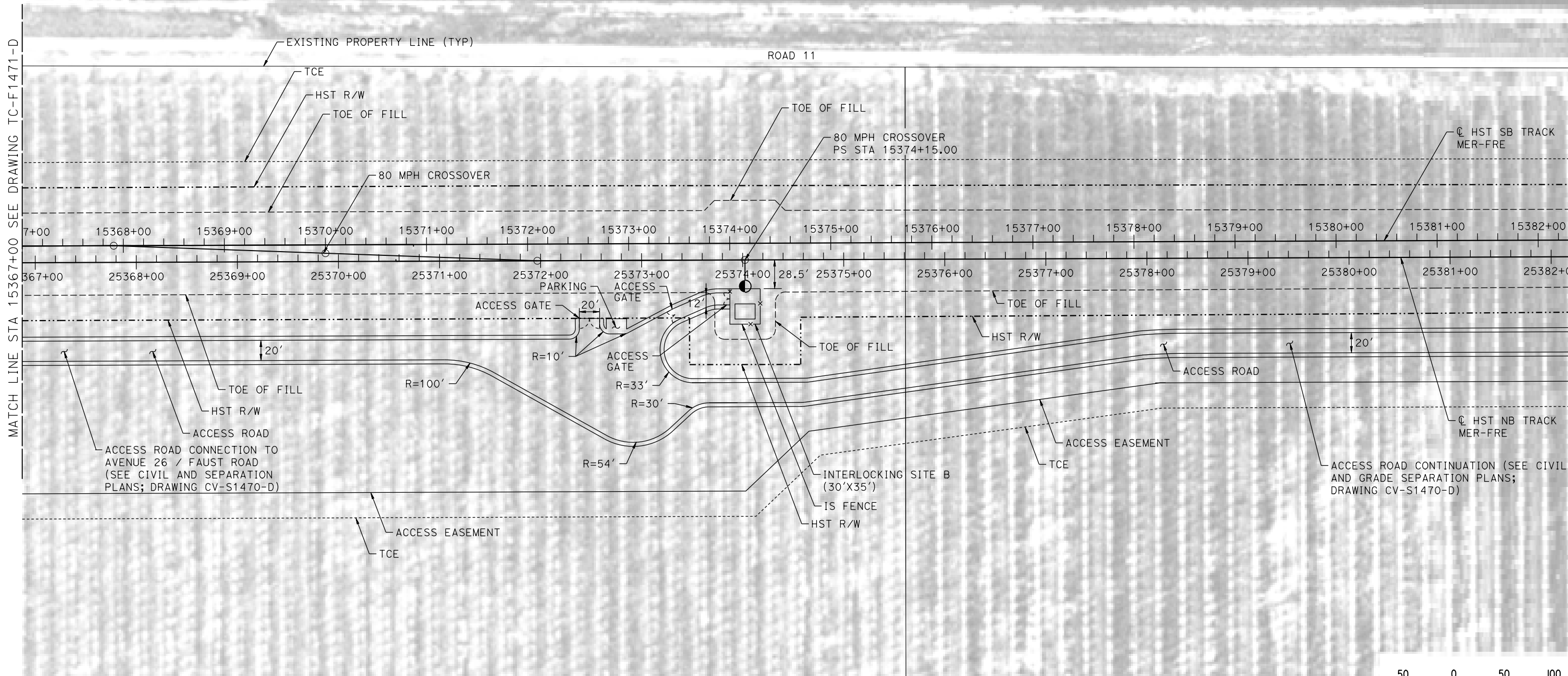
SCALE
AS SHOWN

SHEET NO.

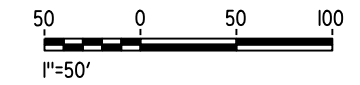
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15374+00

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1472-D

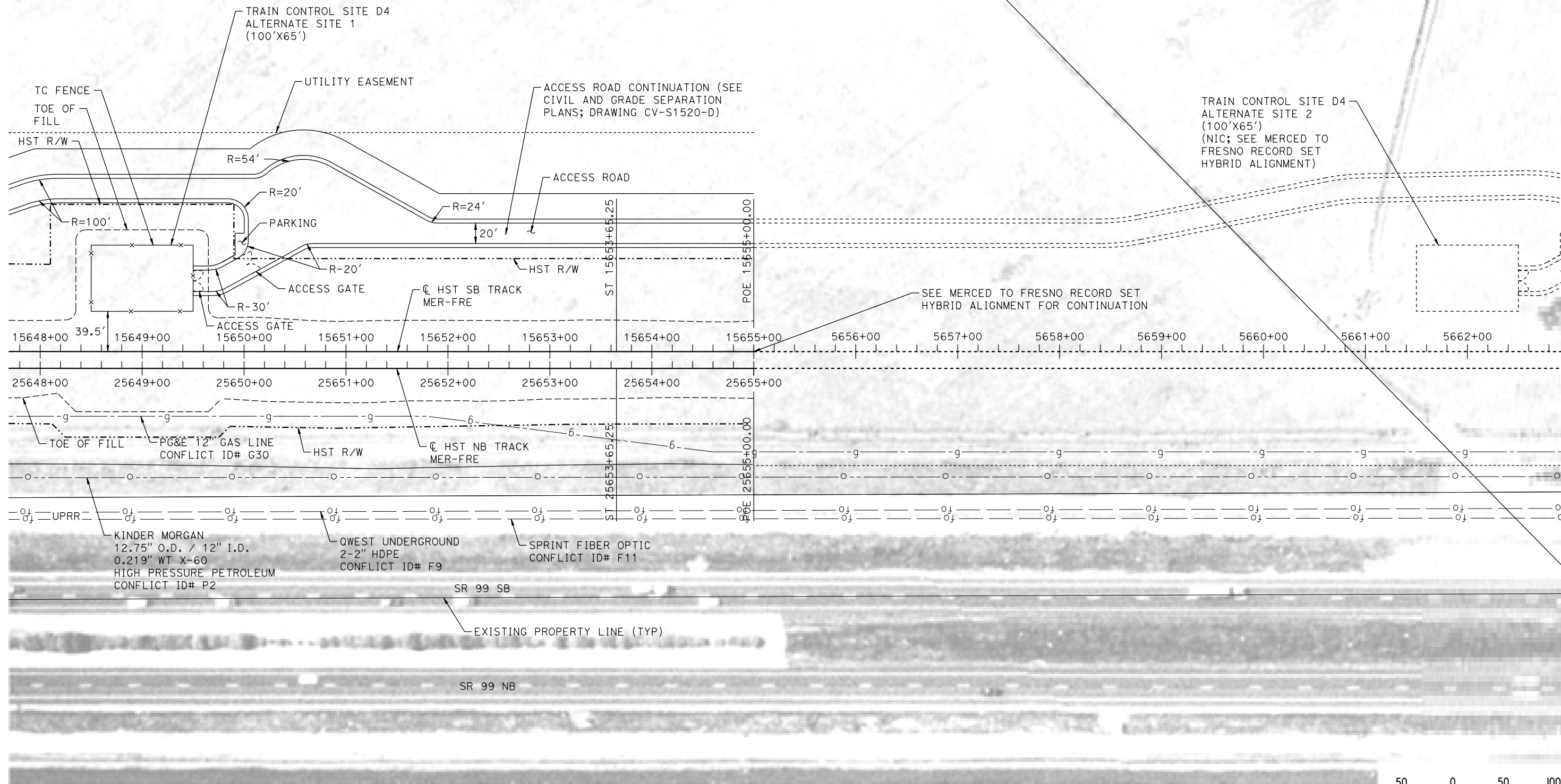
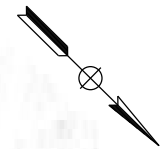
SCALE
AS SHOWN

SHEET NO.

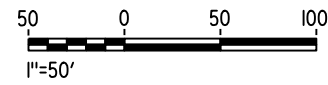
MERCED COUNTY

NOTES:

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



PLAN



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. MA

DRAWN BY
H. MCINNIS

CHECKED BY
ECASTELINO

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2

CONTRACT NO.
HSR08-05

DRAWING NO.
TC-F1520-D

SCALE
AS SHOWN

SHEET NO.