

Merced to Fresno Section: Central Valley Wye

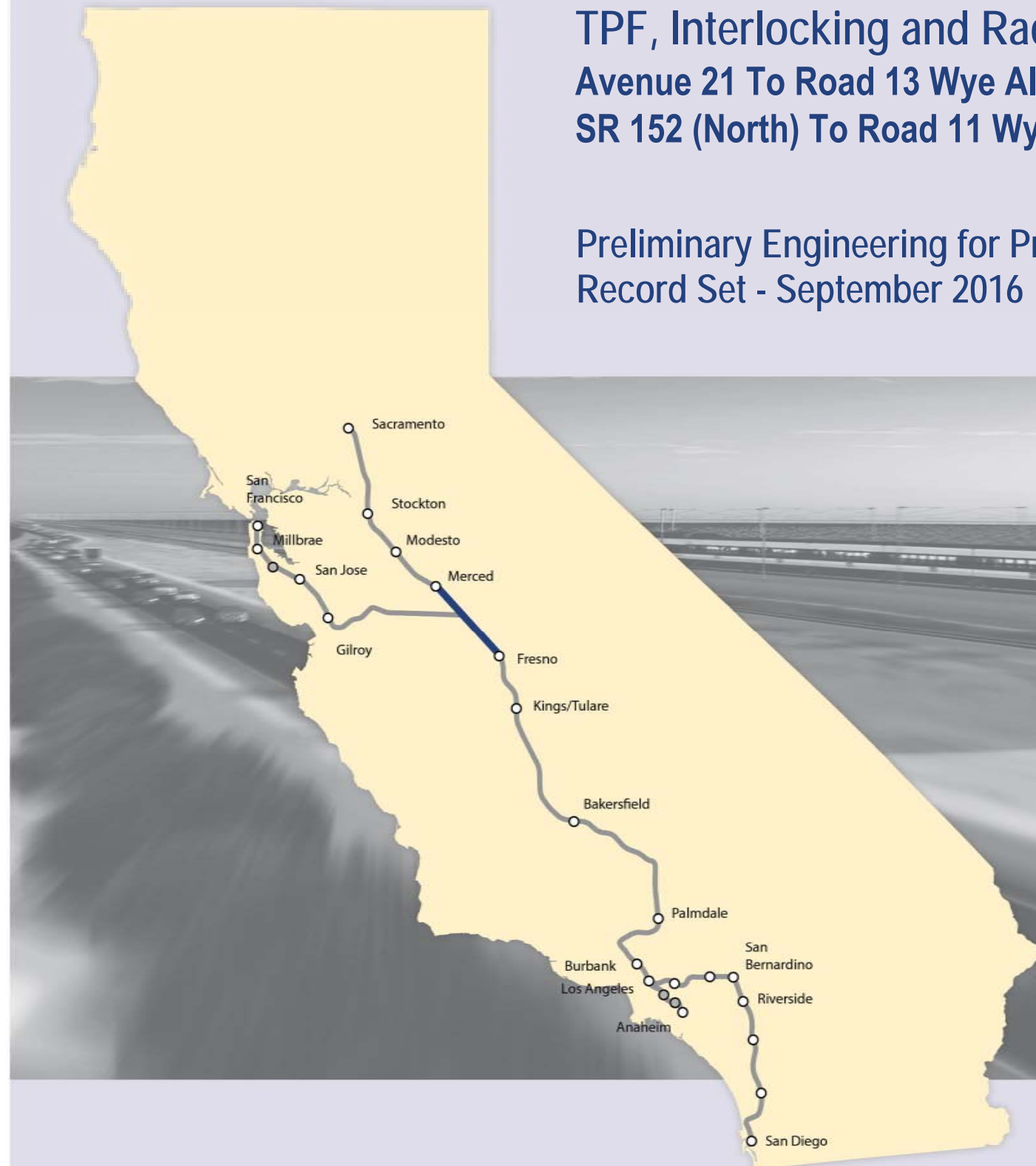
TPF, Interlocking and Radio Site Plans (Book 2 of 2)

Avenue 21 To Road 13 Wye Alternative

SR 152 (North) To Road 11 Wye Alternative

Preliminary Engineering for Project Definition

Record Set - September 2016



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

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| 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
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 1 OF 5

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

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

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| DESIGNED BY C. LEMLEY |
| DRAWN BY J. ALADIN |
| CHECKED BY A. GURA |
| IN CHARGE C. LEMLEY |
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CENTRAL VALLEY WYE
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SHEET 2 OF 5

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| CONTRACT NO. HSR08-05 |
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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 |

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| 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
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 3 OF 5

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

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

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

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| DESIGNED BY K. MA |
| DRAWN BY B. 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

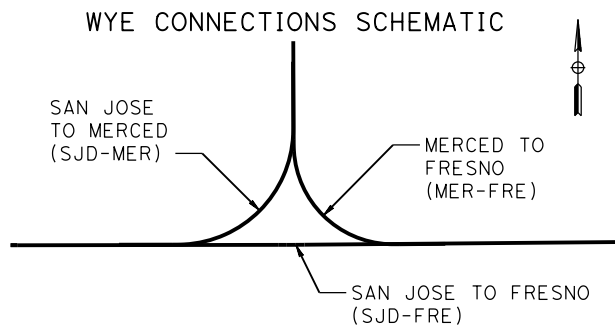
CENTRAL VALLEY WYE
TPF, INTERLOCKING AND RADIO SITE PLANS
INDEX OF DRAWINGS
SHEET 5 OF 5

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

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

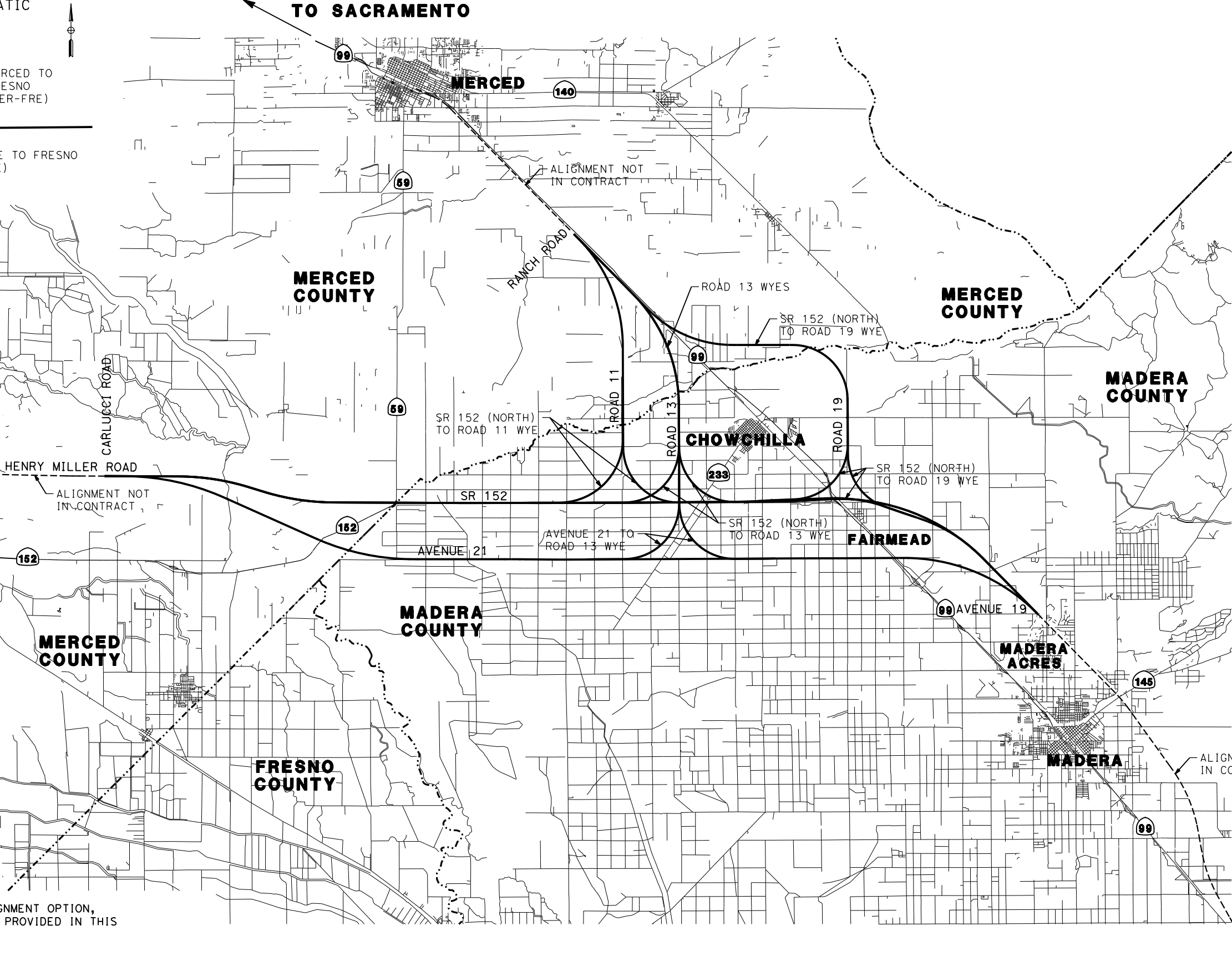
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| | | | | | | DRAWN BY J. KIDWELL | | | | | DRAWING NO. TP-B0008 |
| | | | | | | CHECKED BY A. M. | | | | | SCALE NO SCALE |
| | | | | | | IN CHARGE C. LEMLEY | | | | | SHEET NO. |
| REV | DATE | BY | CHK | APP | DESCRIPTION | DATE 08/12/2016 | | | | | |



TO SAN JOSE

TO SACRAMENTO

TO FRESNO



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

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DESIGNED BY
C. LEMLEY

DRAWN BY
J. KIDWELL

CHECKED BY
A. M.

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
TPF, INTERLOCKING AND RADIO SITE PLANS
LOCATION PLAN

CONTRACT NO.
HSR08-05

DRAWING NO.
TP-B4000

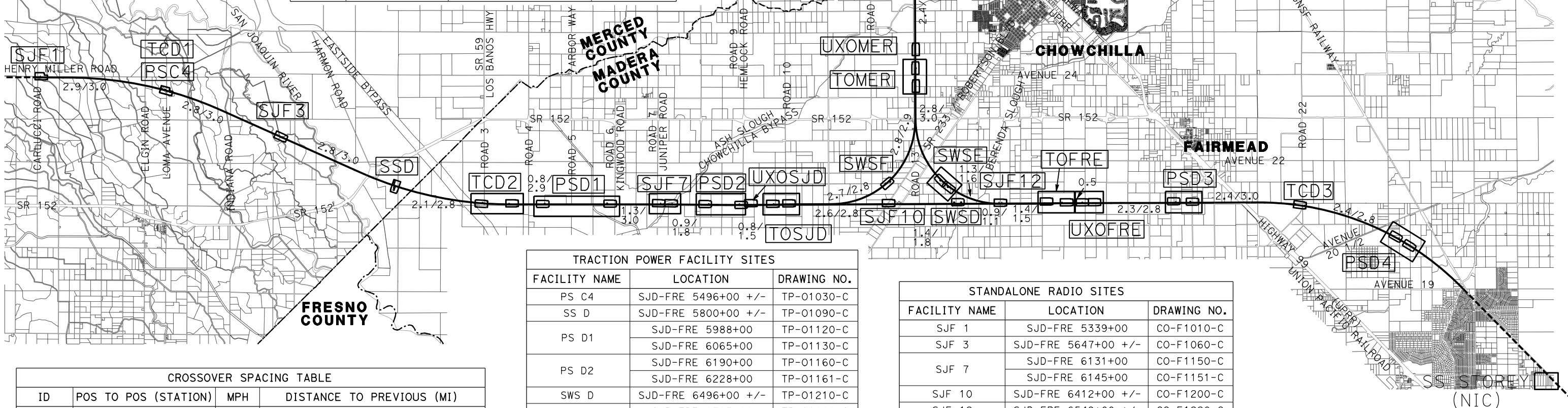
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SHEET NO.

LEGEND:

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

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

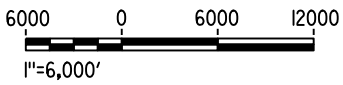


| CROSSOVER SPACING TABLE | | | |
|-------------------------|----------------------|-----|---------------------------------|
| ID | POS TO POS (STATION) | MPH | DISTANCE TO PREVIOUS (MI) |
| UXO SJV | 5114+03 TO 5156+81 | 110 | NIC |
| UXO SJD | 6242+09 TO 6267+80 | 110 | 20.55 (UXO SJV) |
| UXO FRE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

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

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

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



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

RECORD SET
15% DESIGN
SUBMITTAL

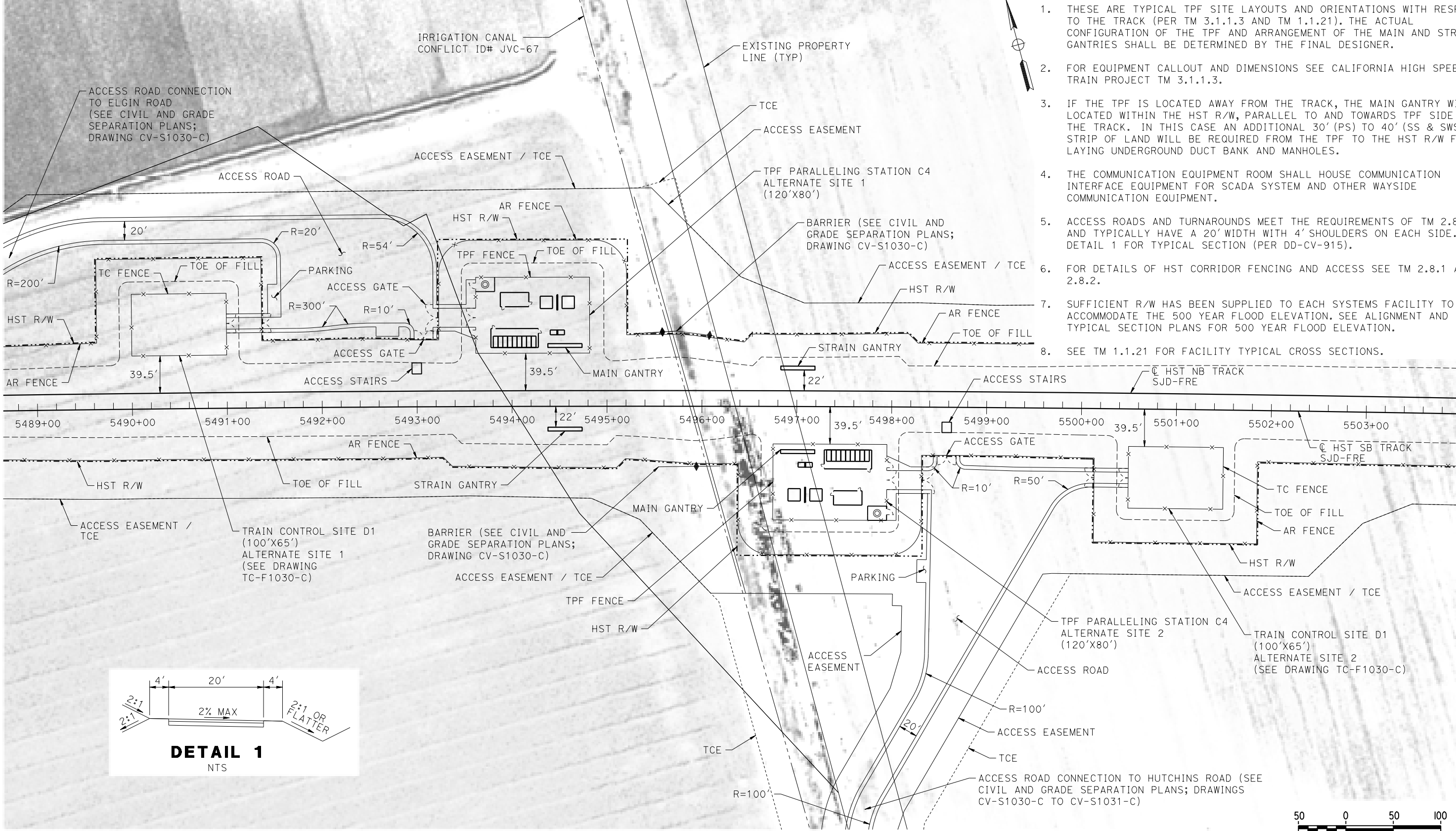
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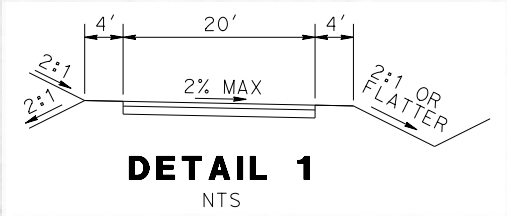
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

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

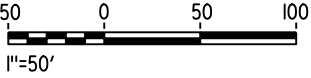
MERCED COUNTY



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



PLAN



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

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NOT FOR
CONSTRUCTION

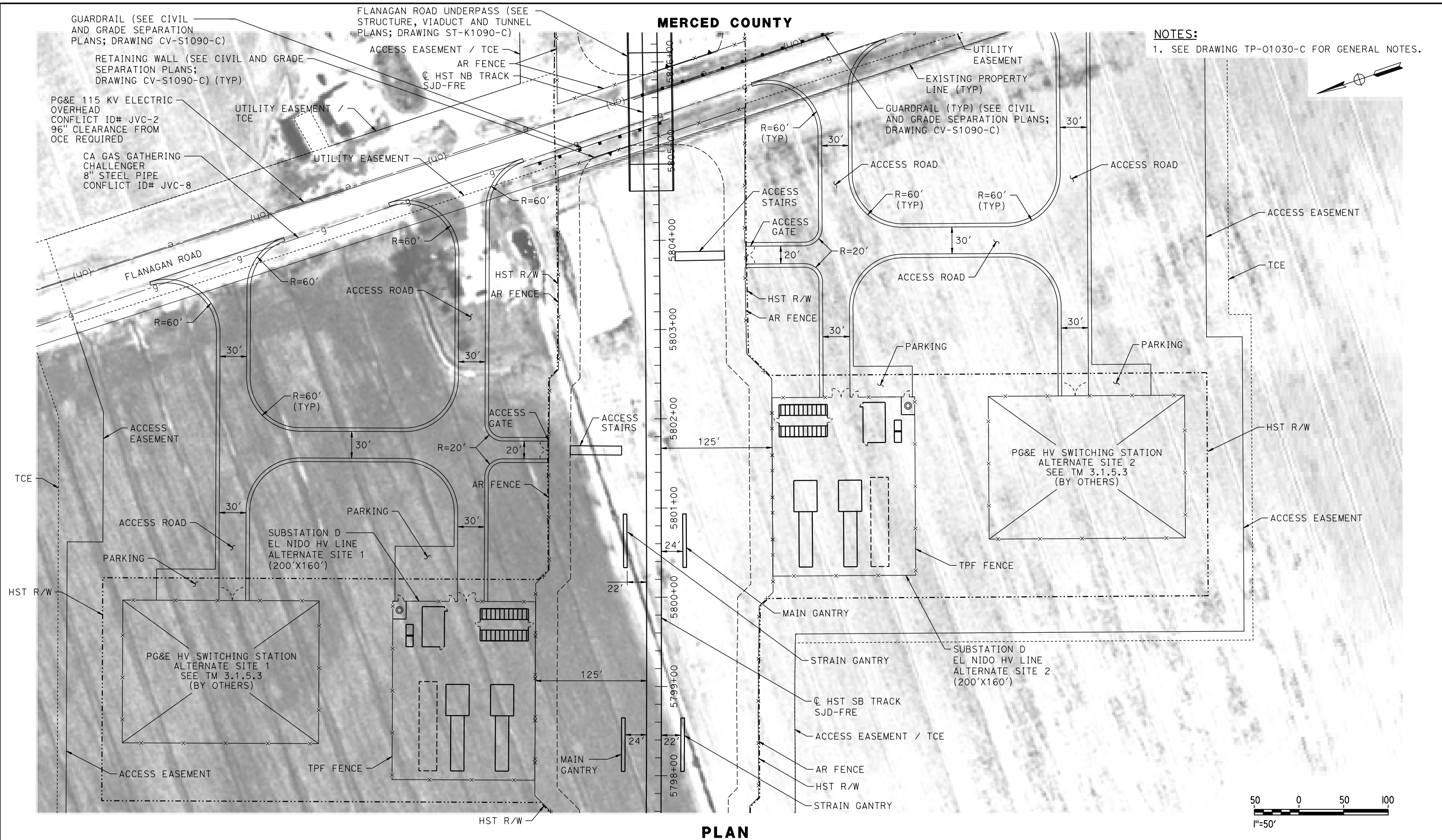


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

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

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

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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

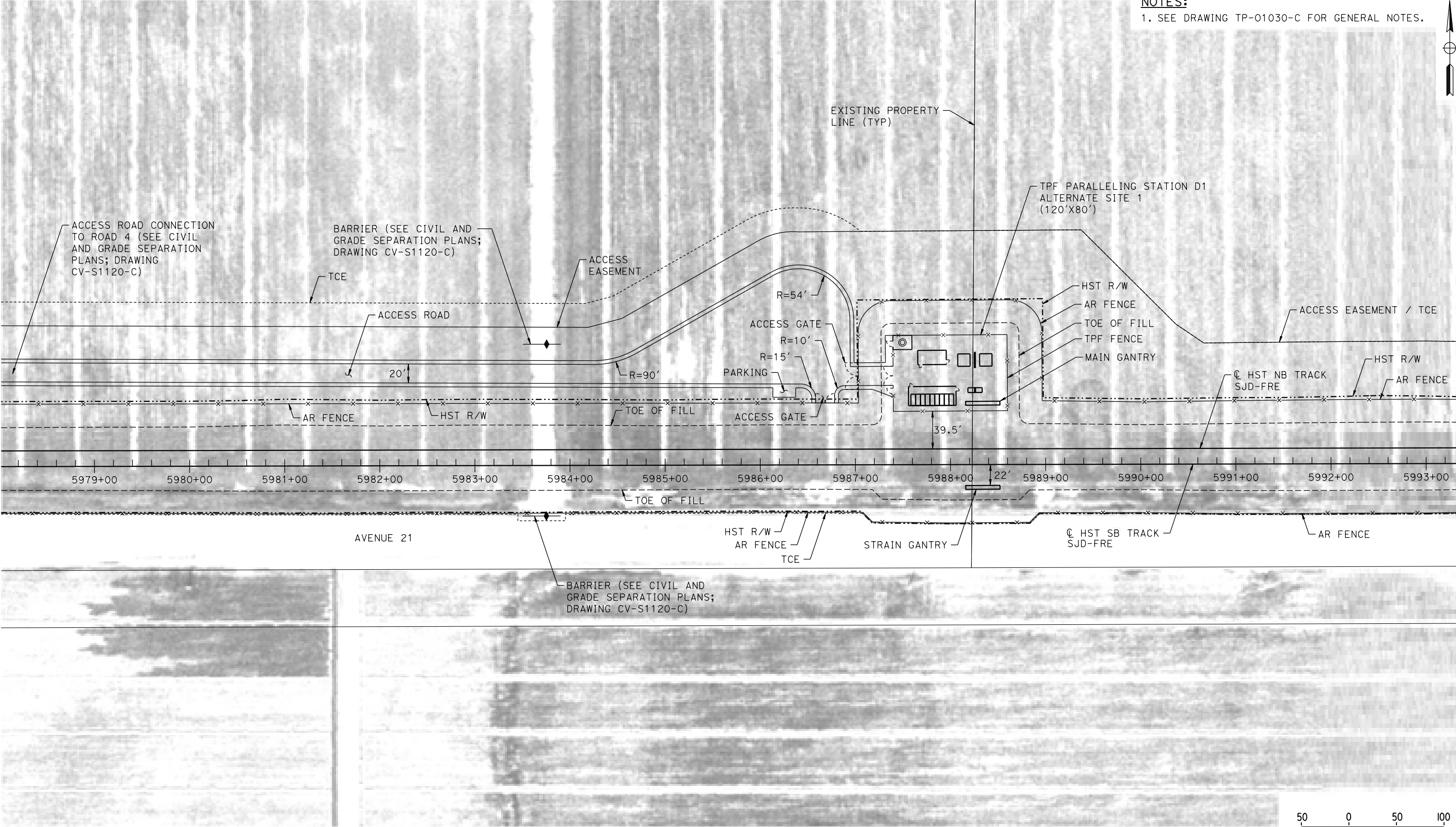


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITES 1 & 2

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

MADERA COUNTY

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



PLAN

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

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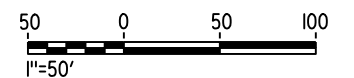
NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 1

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

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



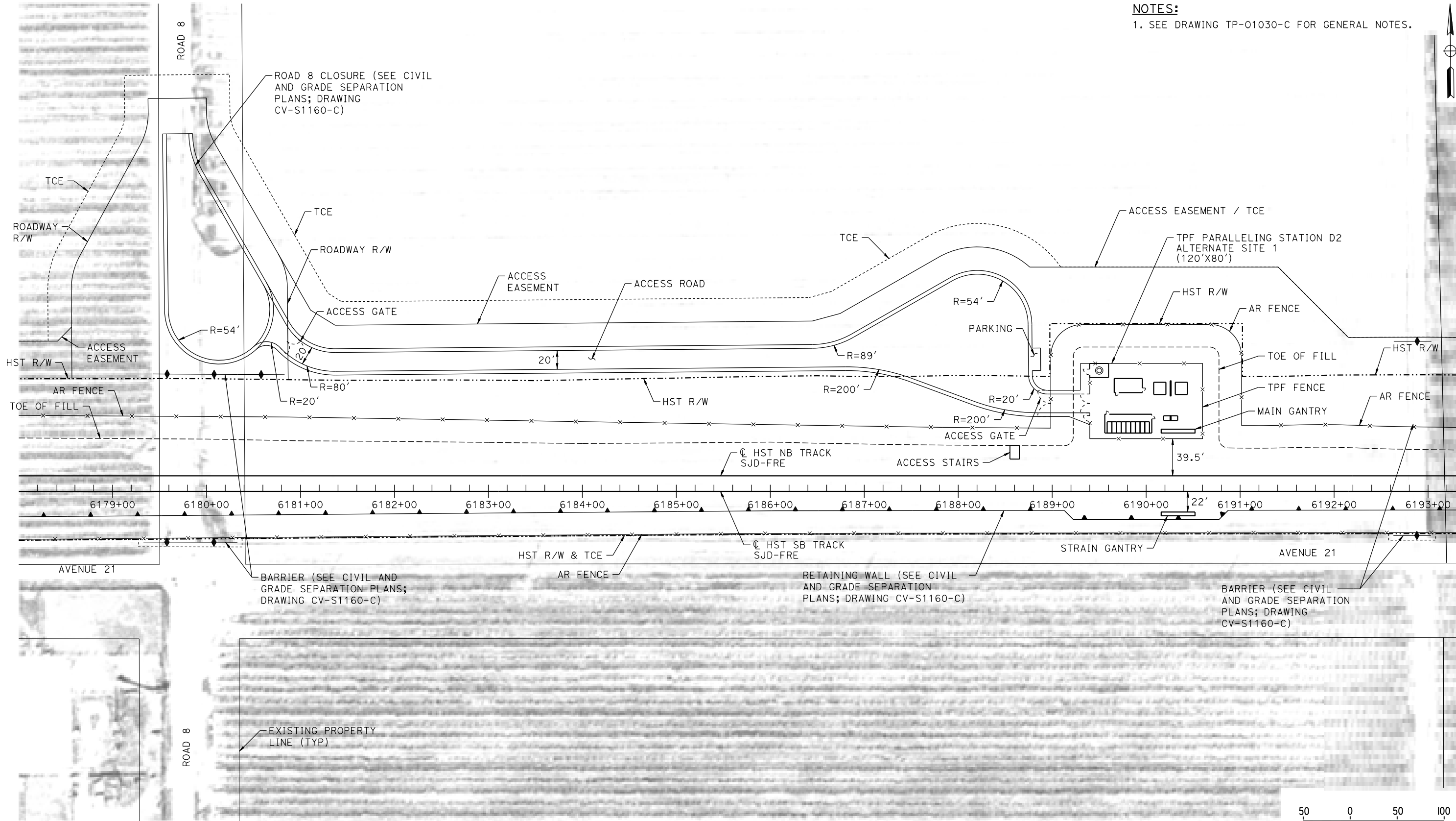
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| | | | | | | DESIGNED BY A. GURA | RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION |  |  | CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE TRACTION POWER FACILITY SITE PLAN PARALLELING STATION D1 ALTERNATE SITE 2 | CONTRACT NO. HSR08-05 |
| | | | | | | DRAWN BY M. TACTAY | | | | | DRAWING NO. TP-01130-C |
| | | | | | | CHECKED BY A. GURA | | | | | SCALE AS SHOWN |
| | | | | | | IN CHARGE C. LEMLEY | | | | | SHEET NO. |
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MADERA COUNTY

NOTES:

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



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

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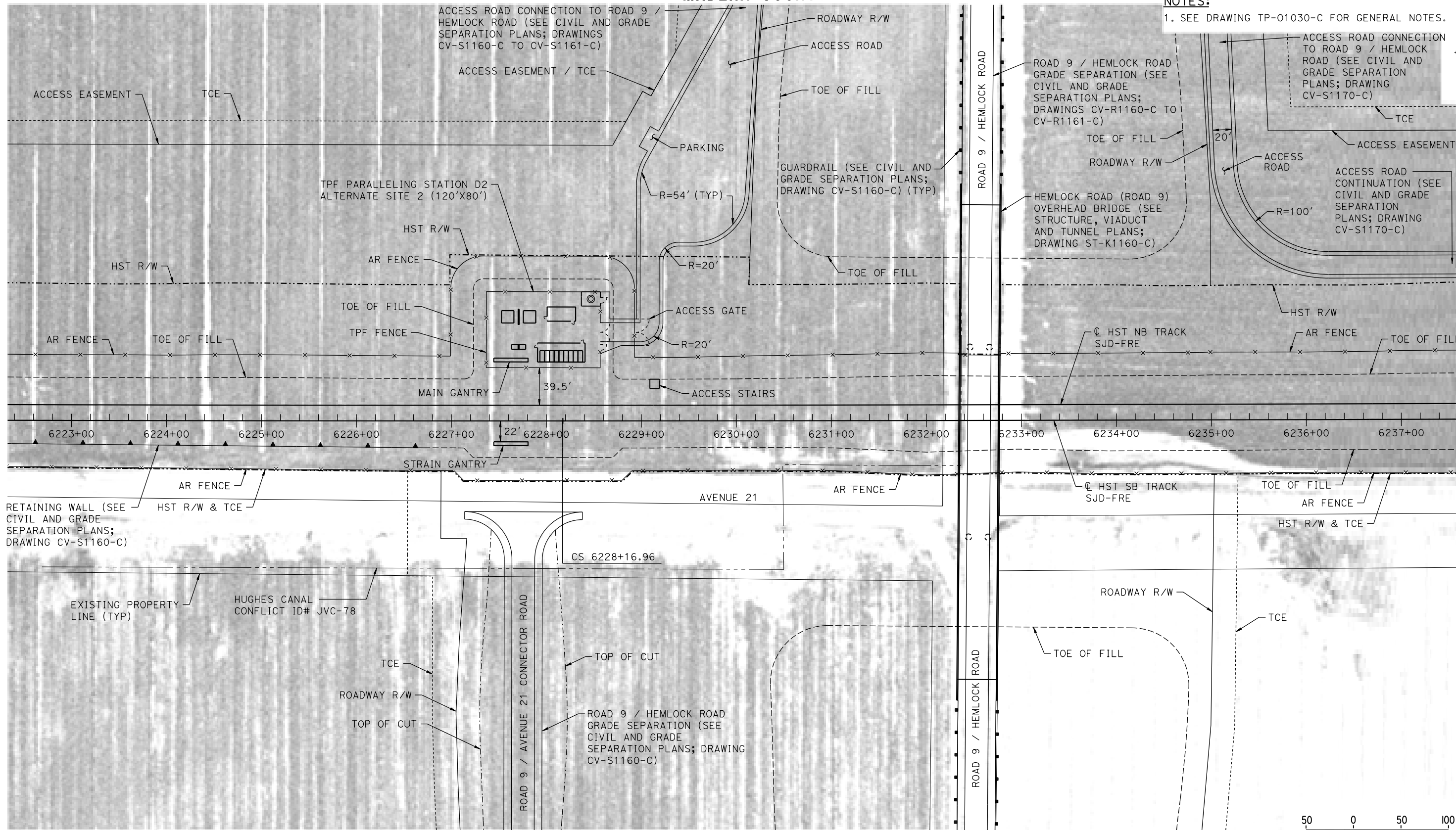
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITE 1

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| 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.

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

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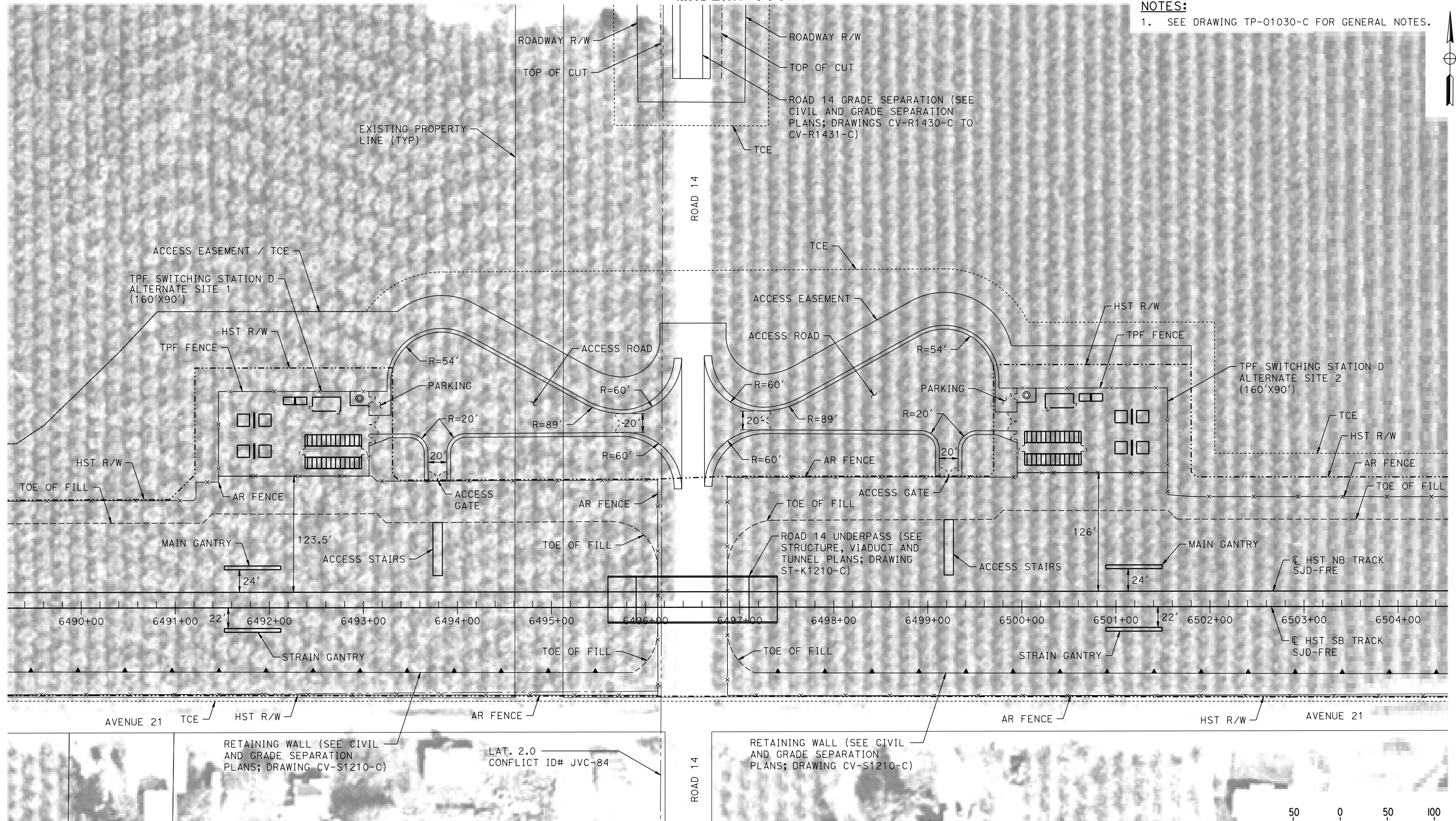
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITE 2

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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TP-01161-C |
| SCALE AS SHOWN |
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MADERA COUNTY

NOTES:

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



PLAN

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

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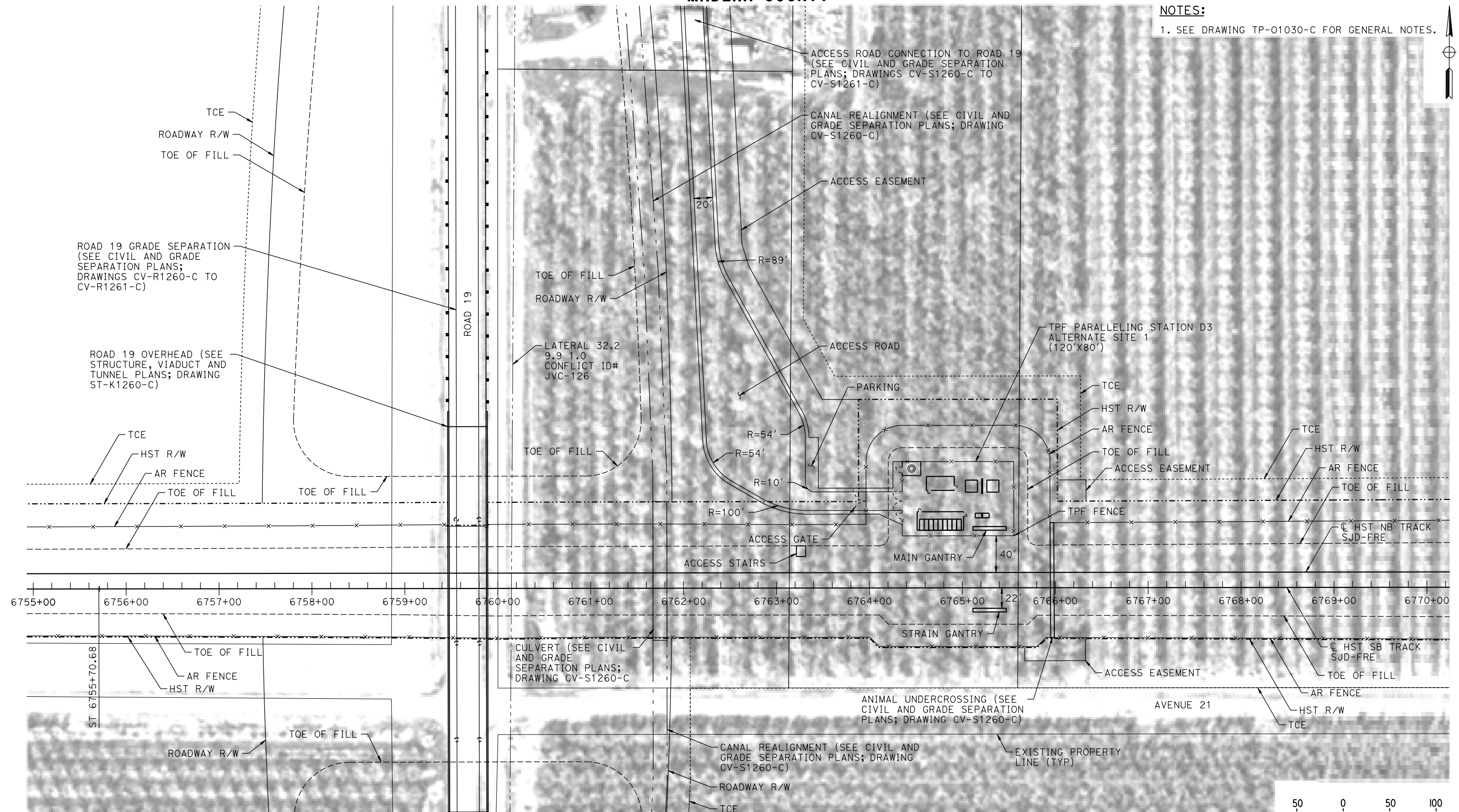
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CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITES 1 & 2

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

NOTES:

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



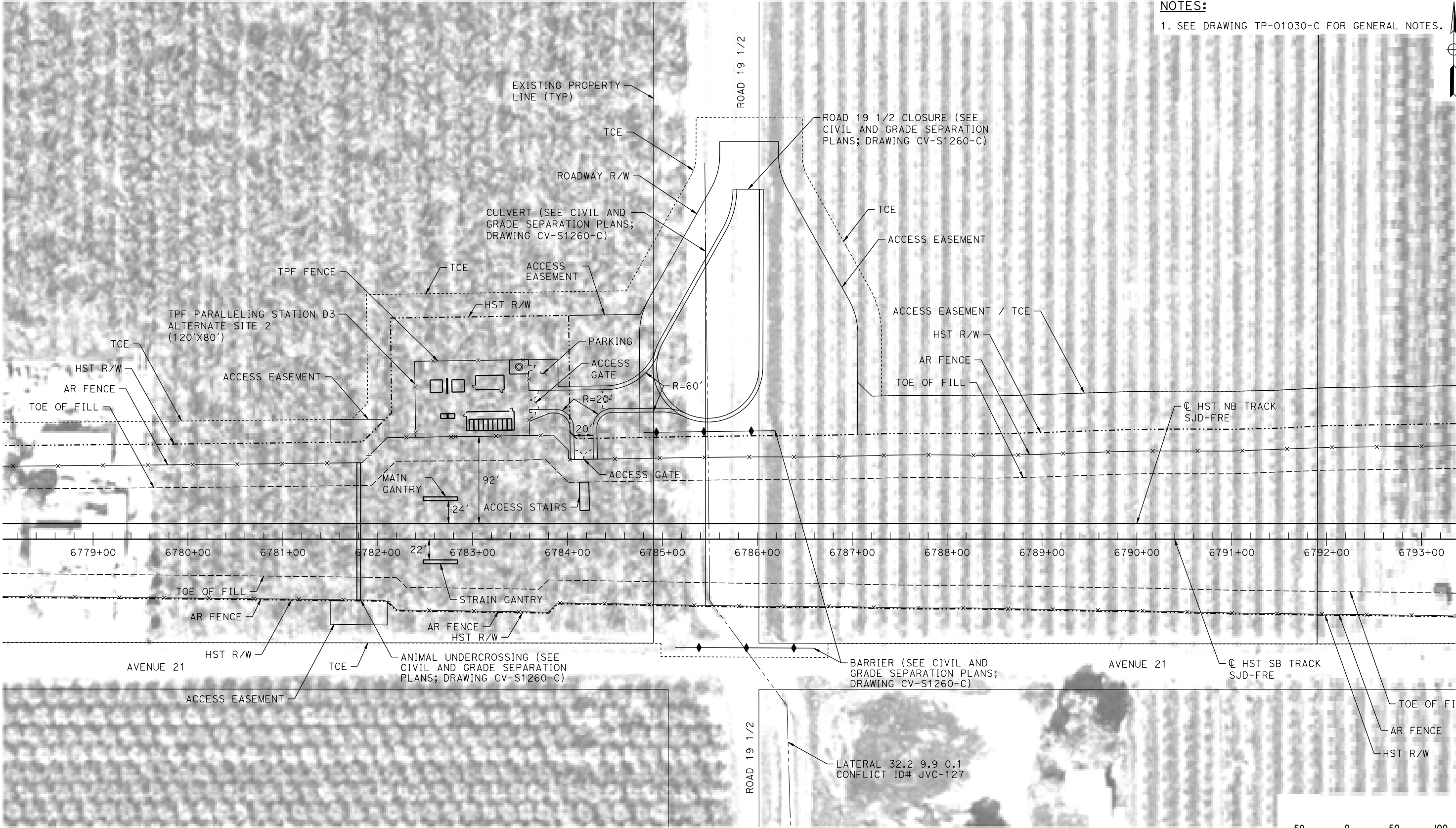
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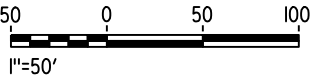
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NOTES:

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



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

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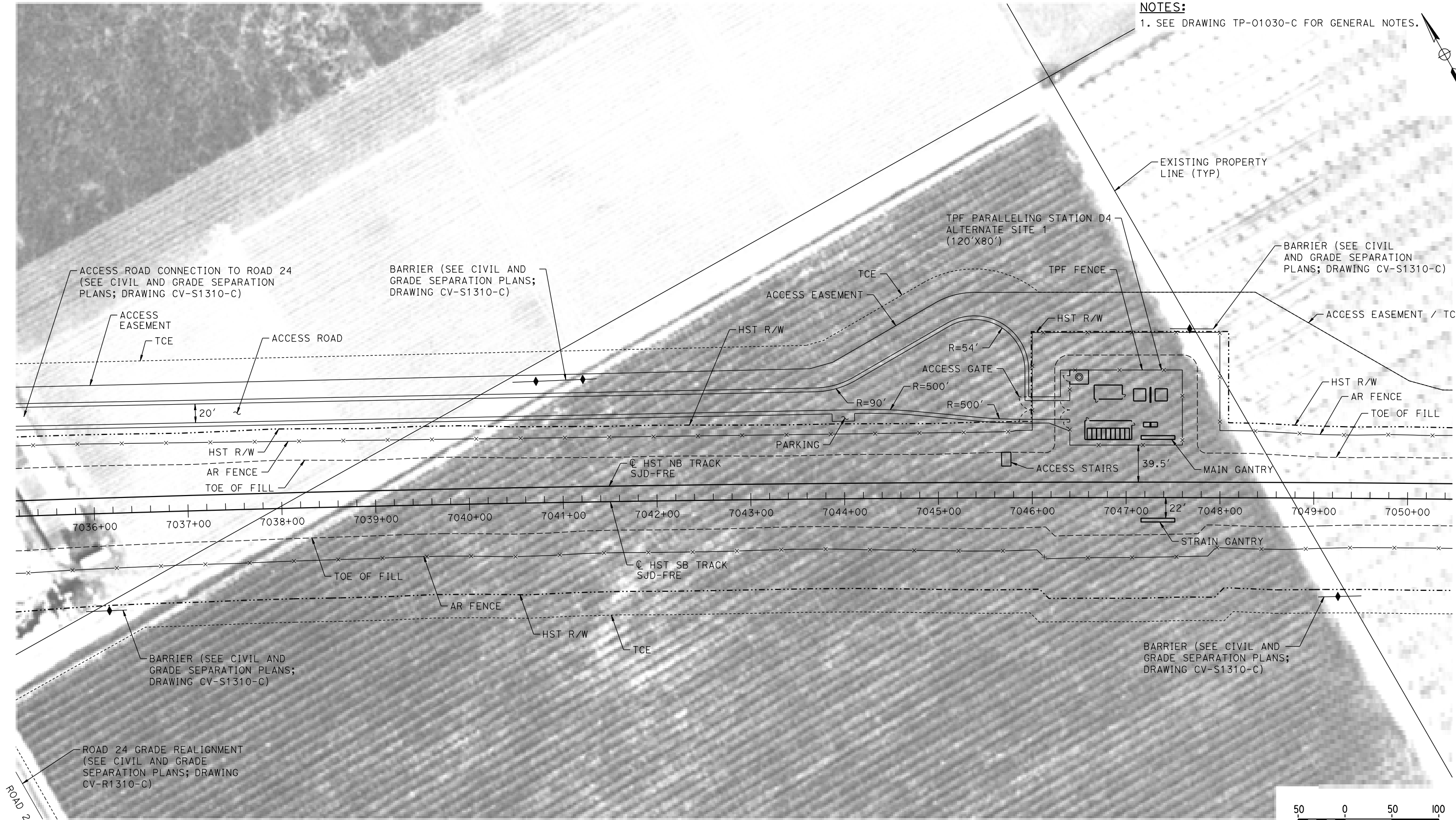


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITE 2

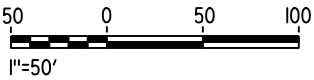
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TP-01261-C |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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



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

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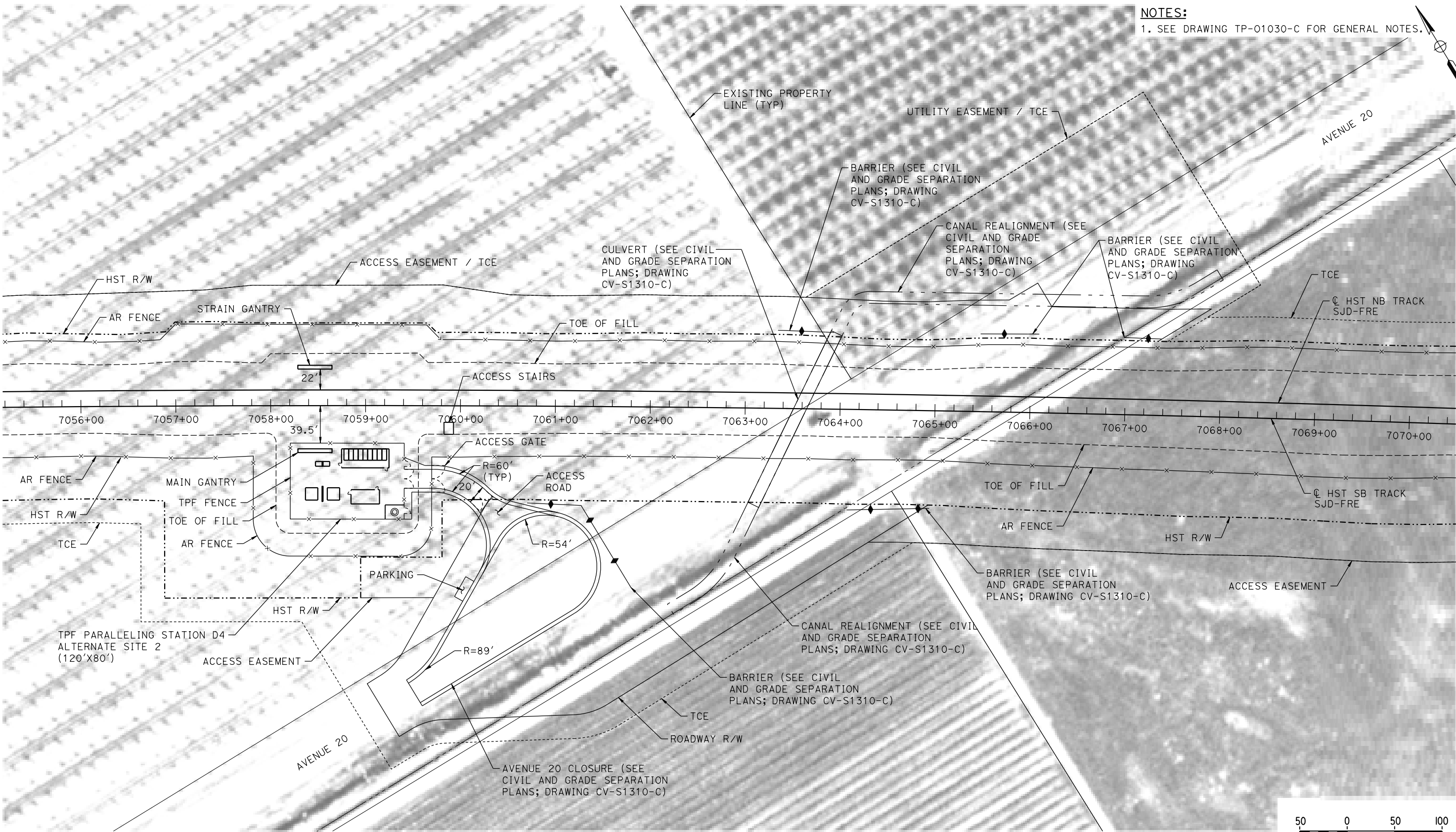


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

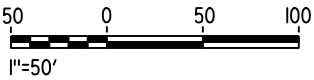
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TP-01310-C |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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



PLAN



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

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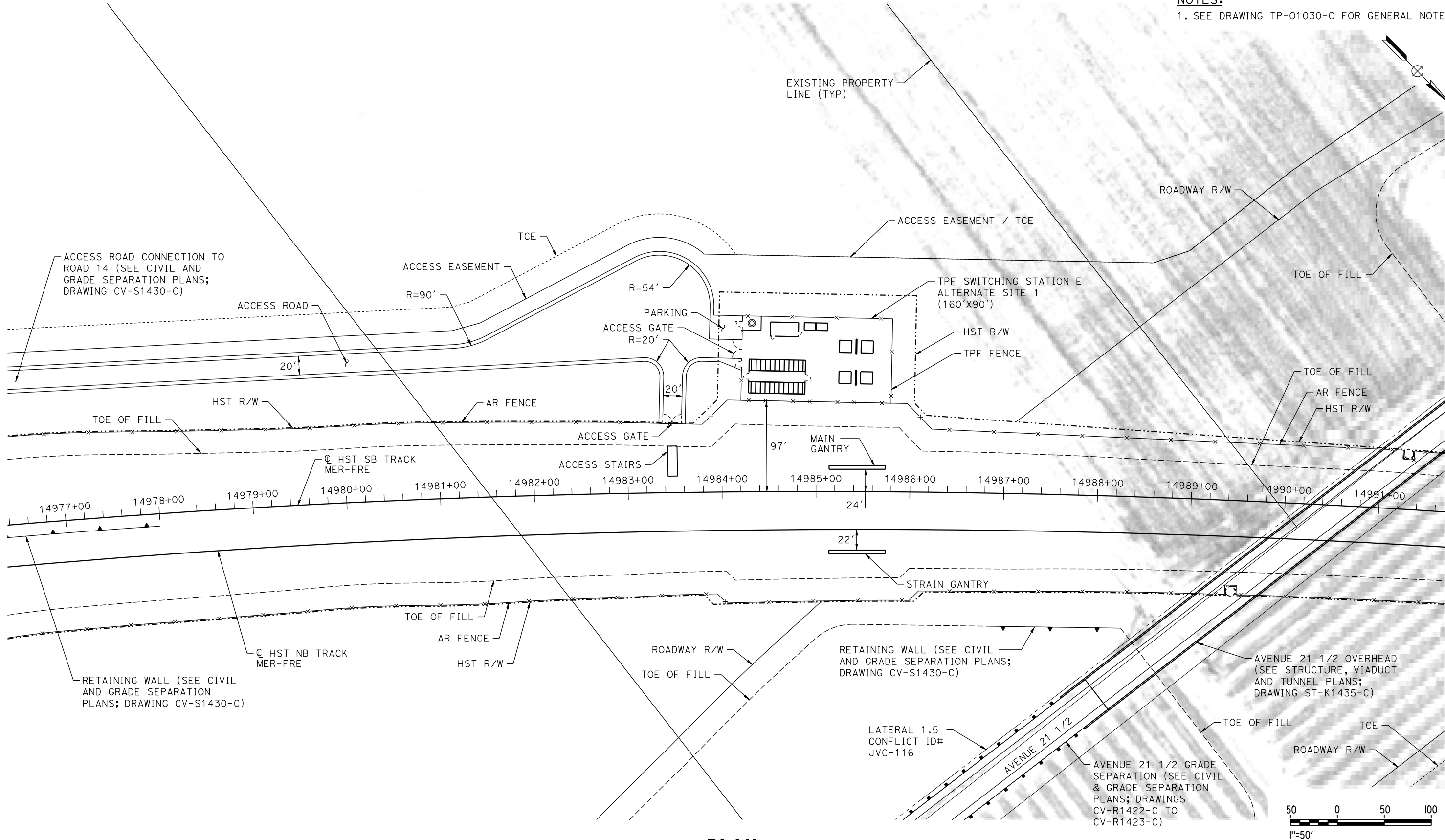


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

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| 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.



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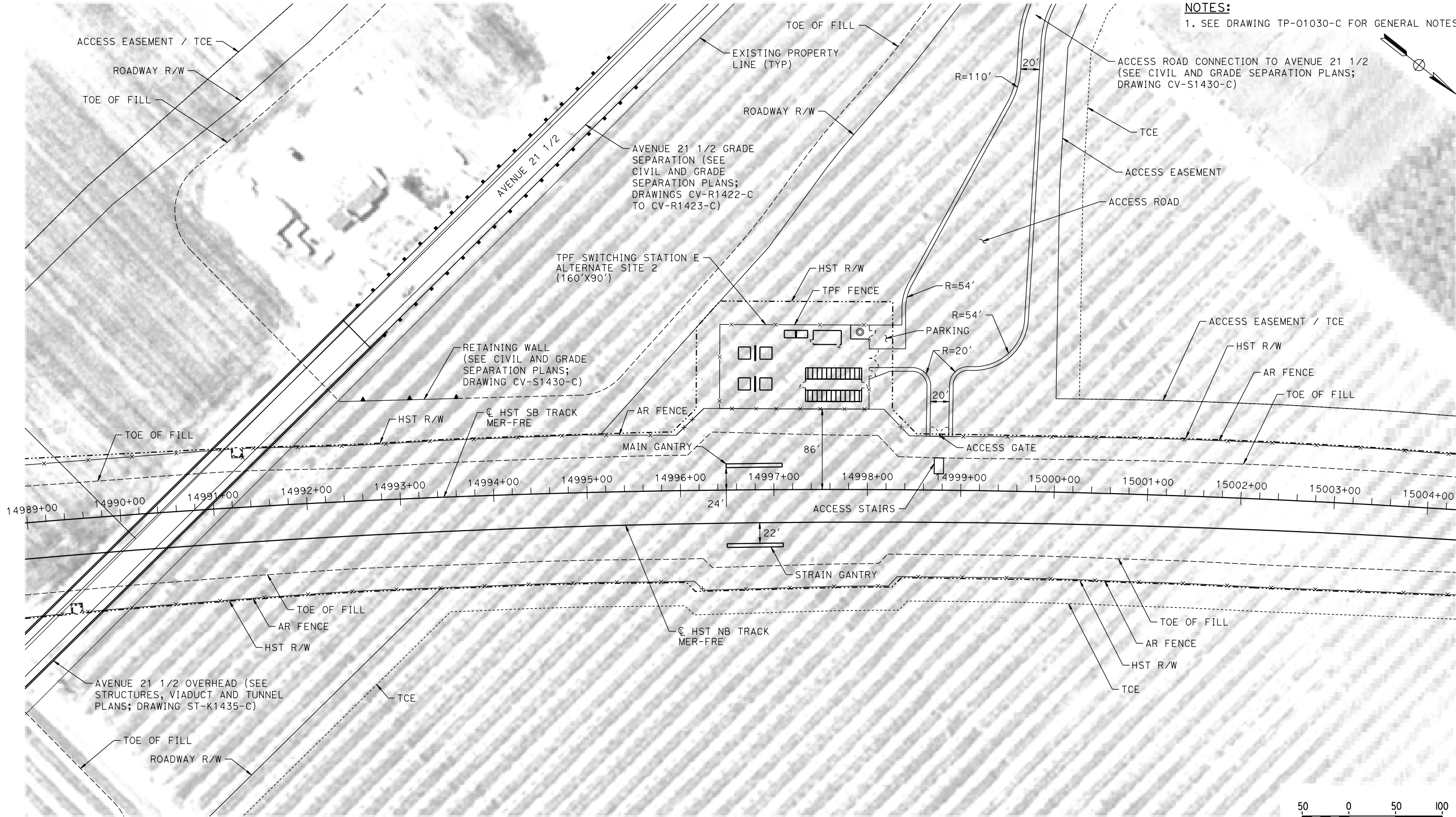


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 1

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| 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

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

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NOT FOR
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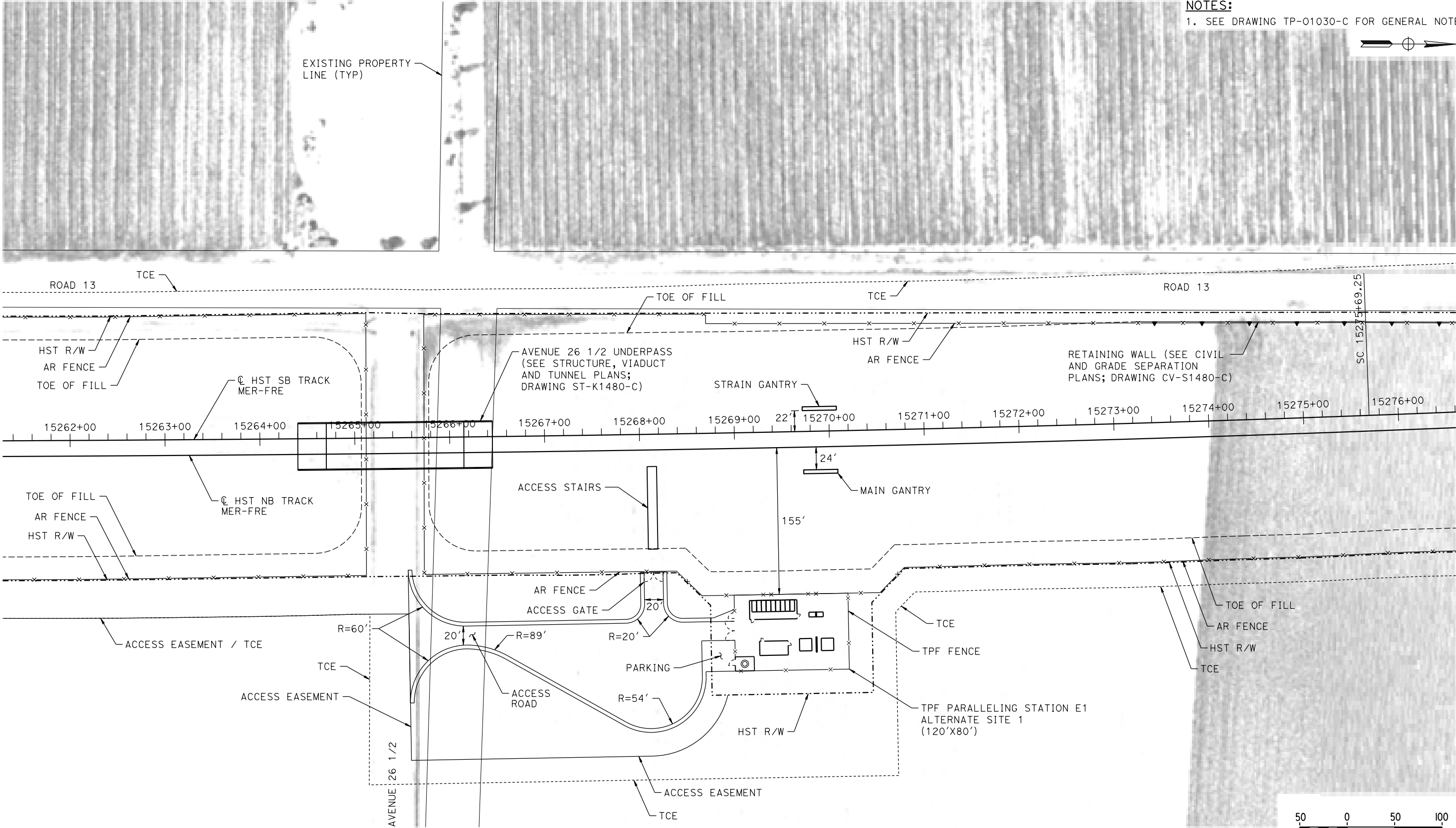


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION E ALTERNATE SITE 2

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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TP-01431-C |
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MADERA COUNTY

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



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| 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

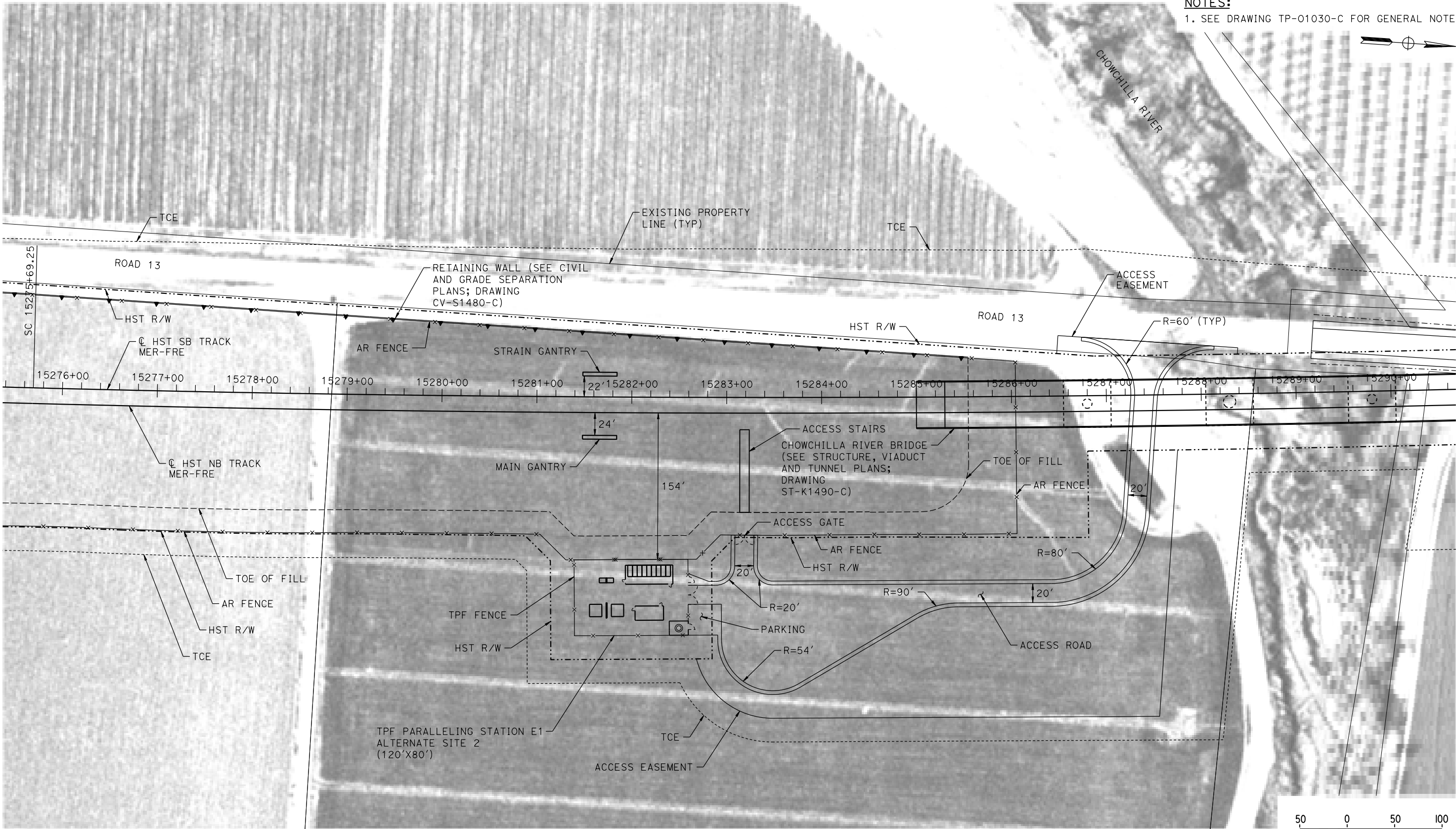


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 1

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

MADERA COUNTY

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



PLAN

MF-TP-01481-C.dgn
18-MAR-2016 01:26
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| 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

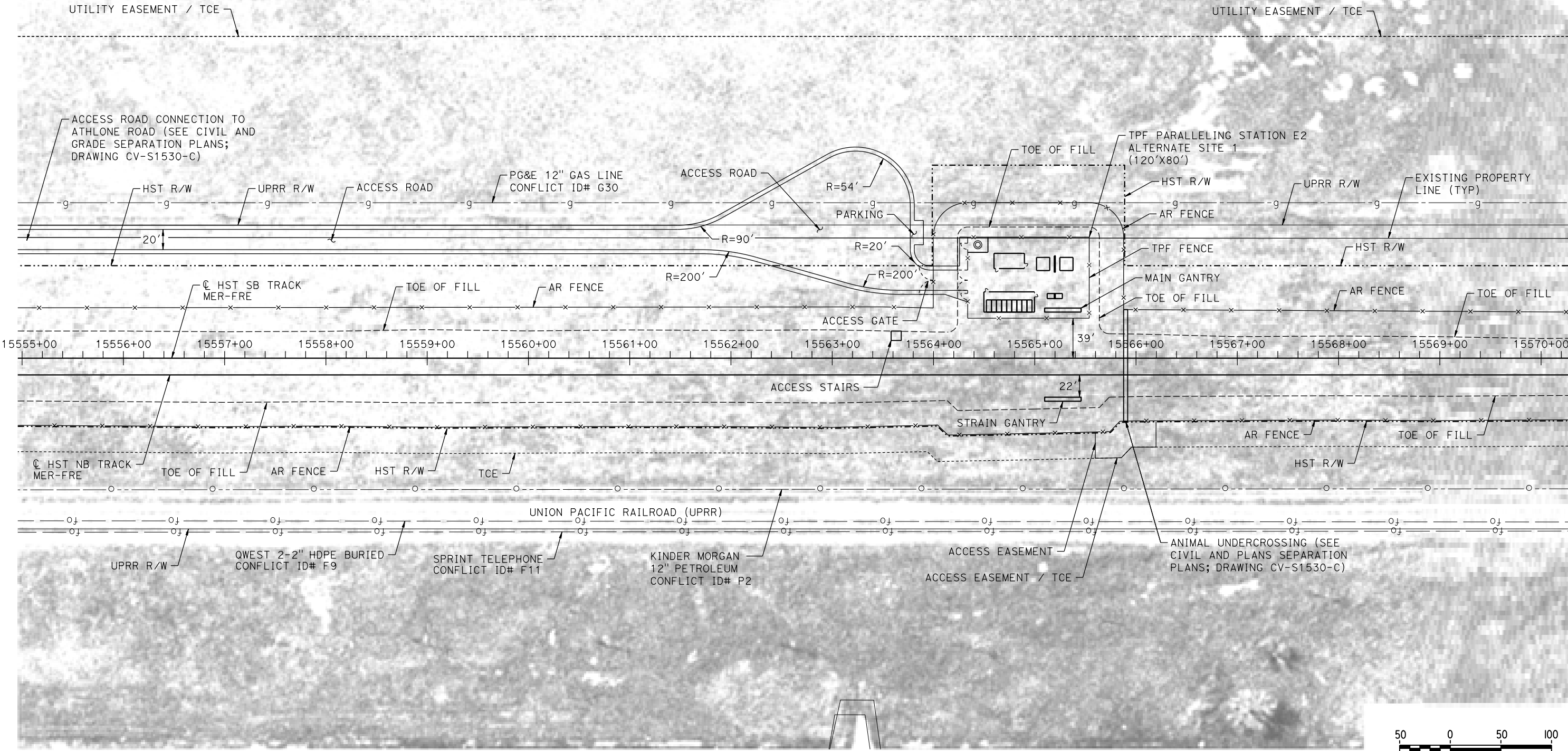


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITE 2

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

MERCED COUNTY

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



PLAN

MF-TP-01530-C.dgn
07-MAR-2016 2:53
p005133a

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| 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



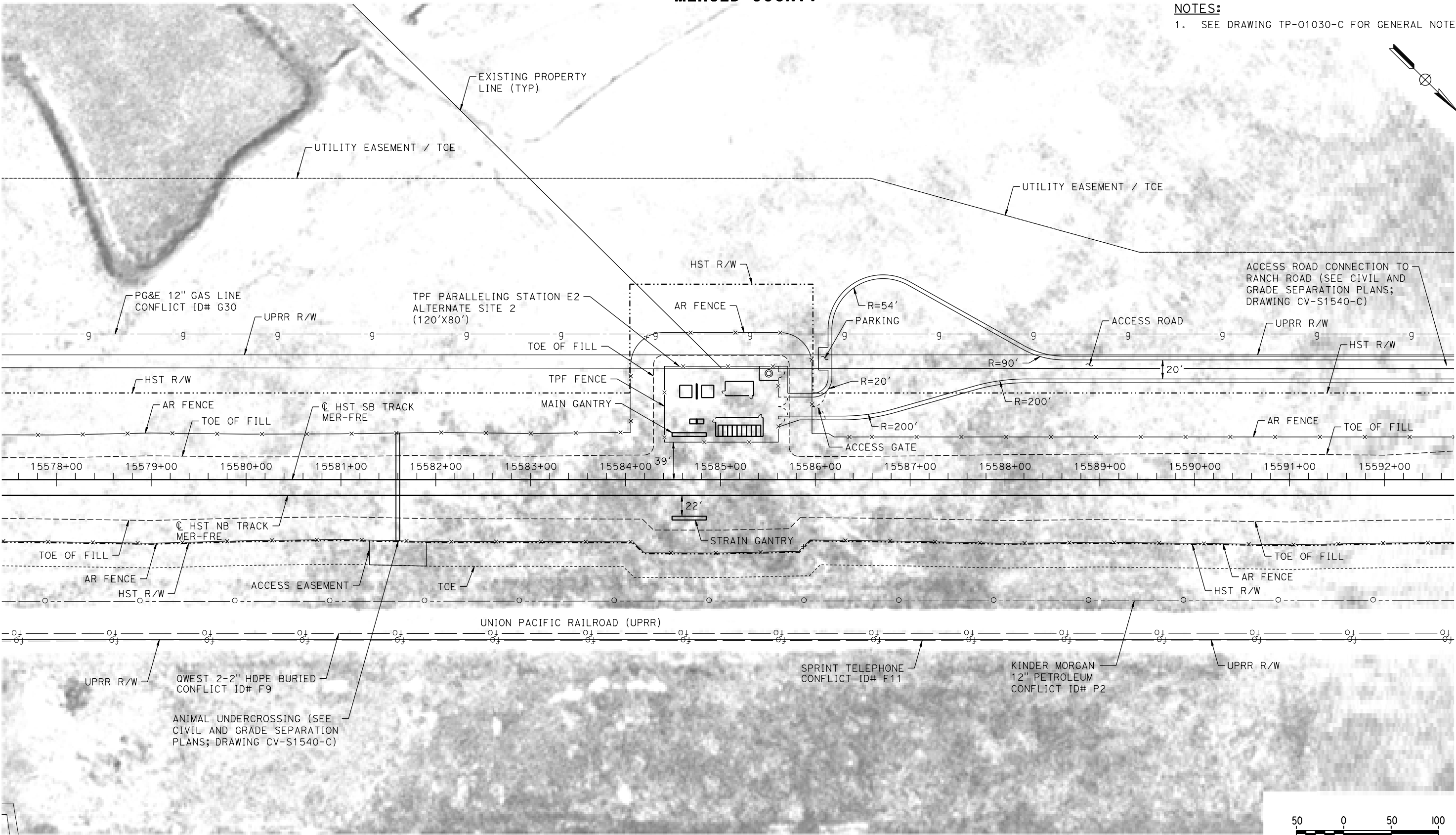
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MERCED COUNTY

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



PLAN

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

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| 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



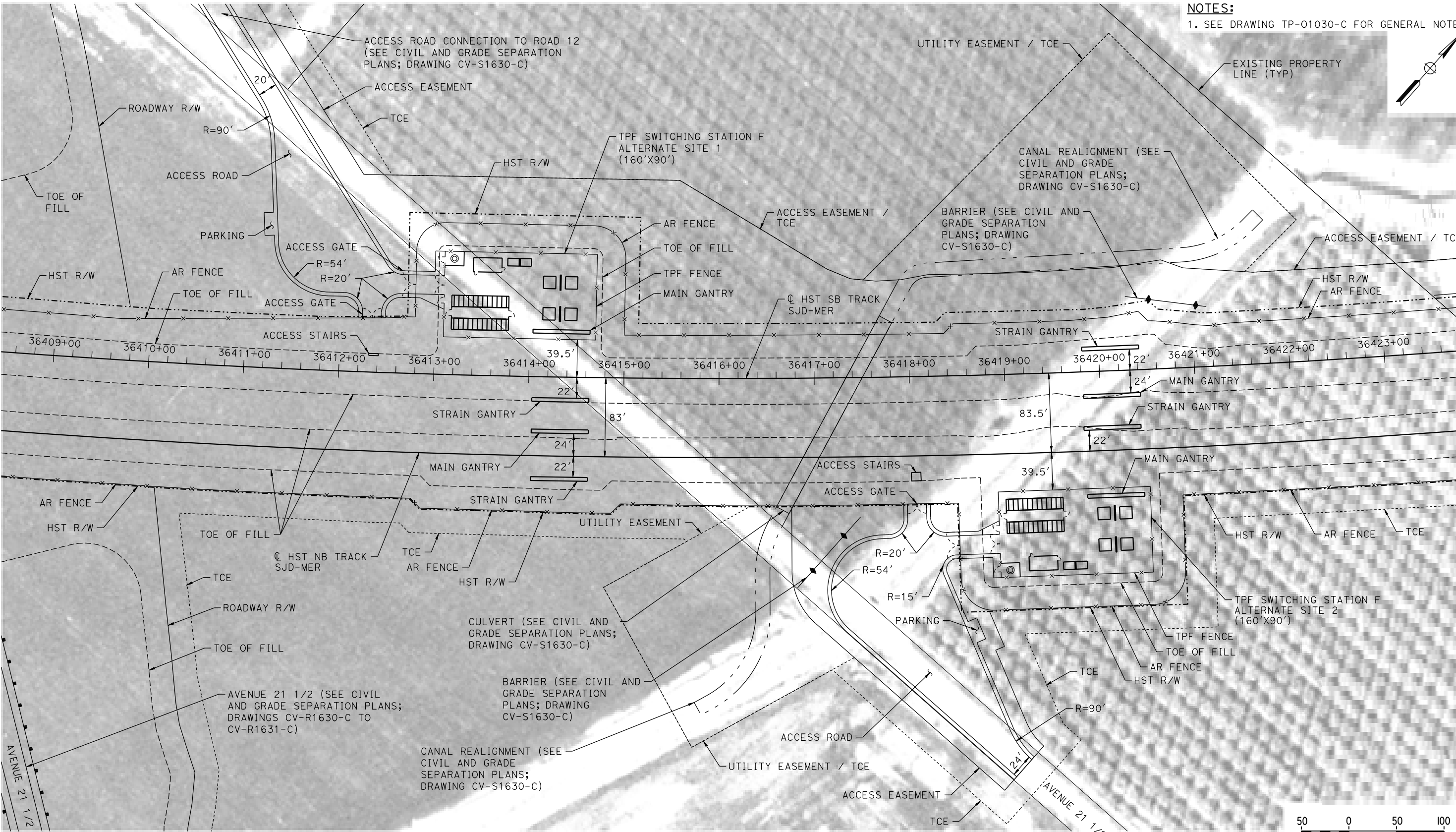
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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| 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 01:32 MF-TP-01630-C.dgn

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| 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

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

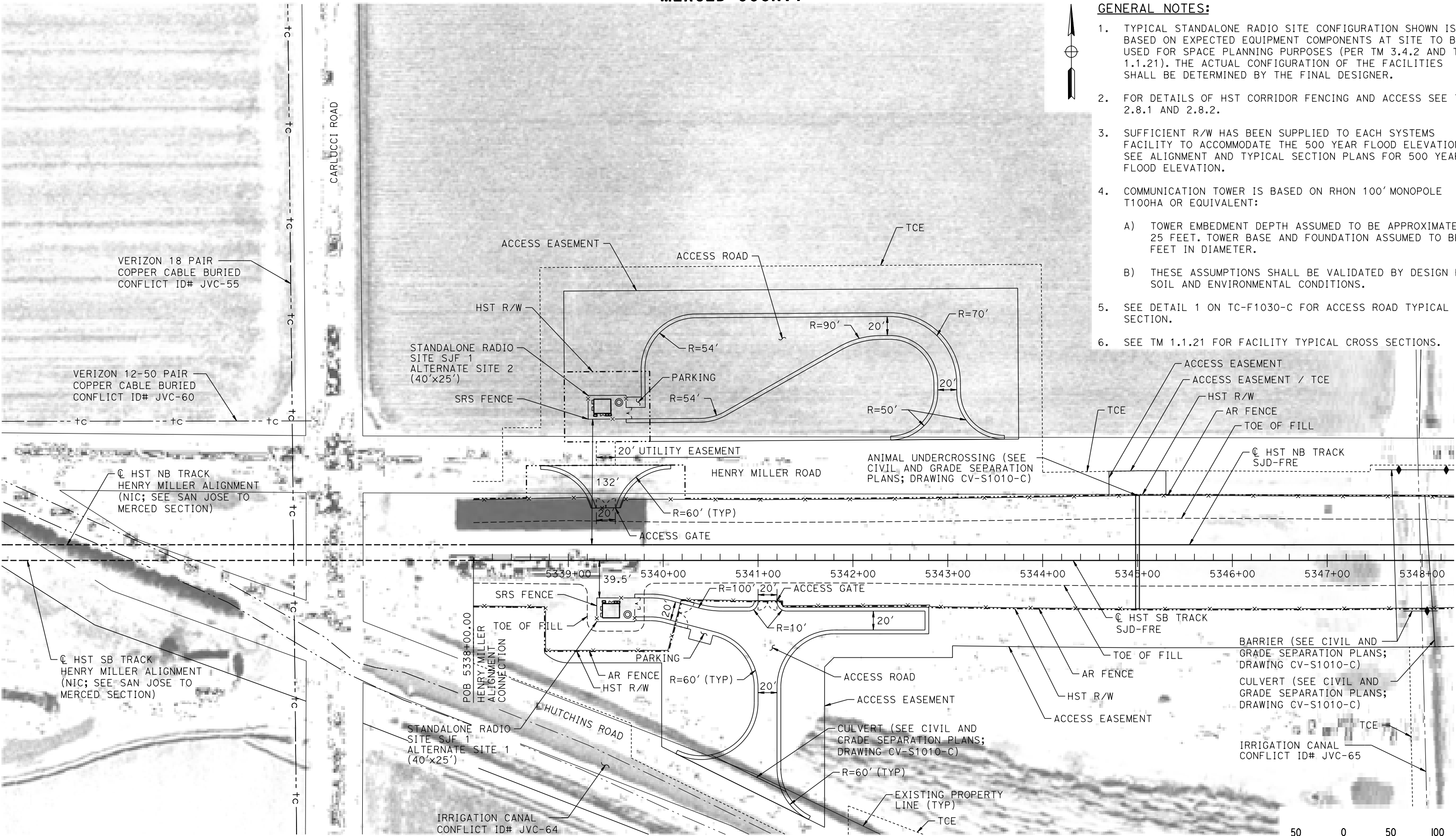
MERCED COUNTY

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

MF-CO-F1010-C.dgn
18-MAR-2016 01:32
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| 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

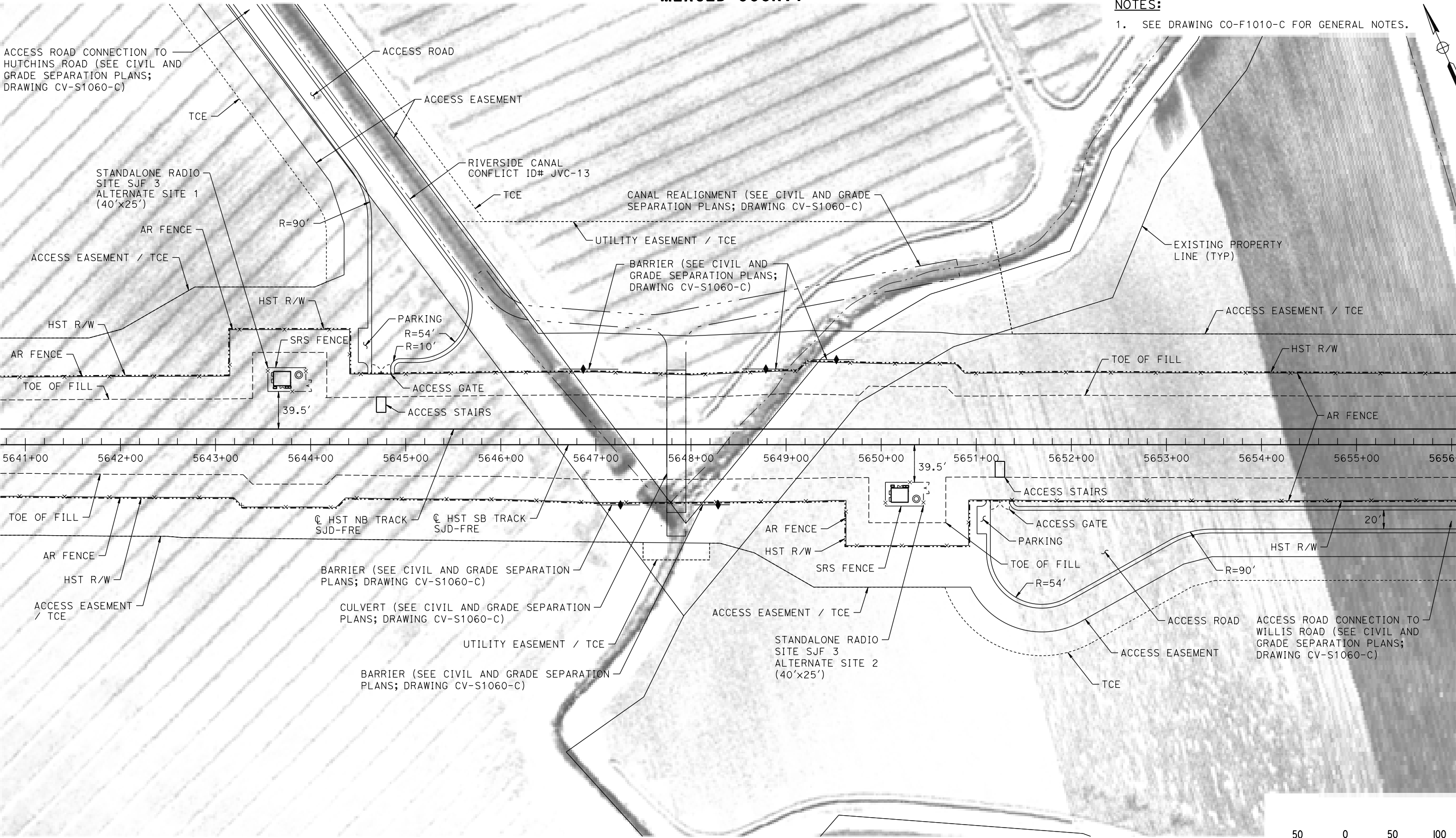
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2

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| 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 21:30 MF-CO-F1060-C.dgn

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| 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

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| 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

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| 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

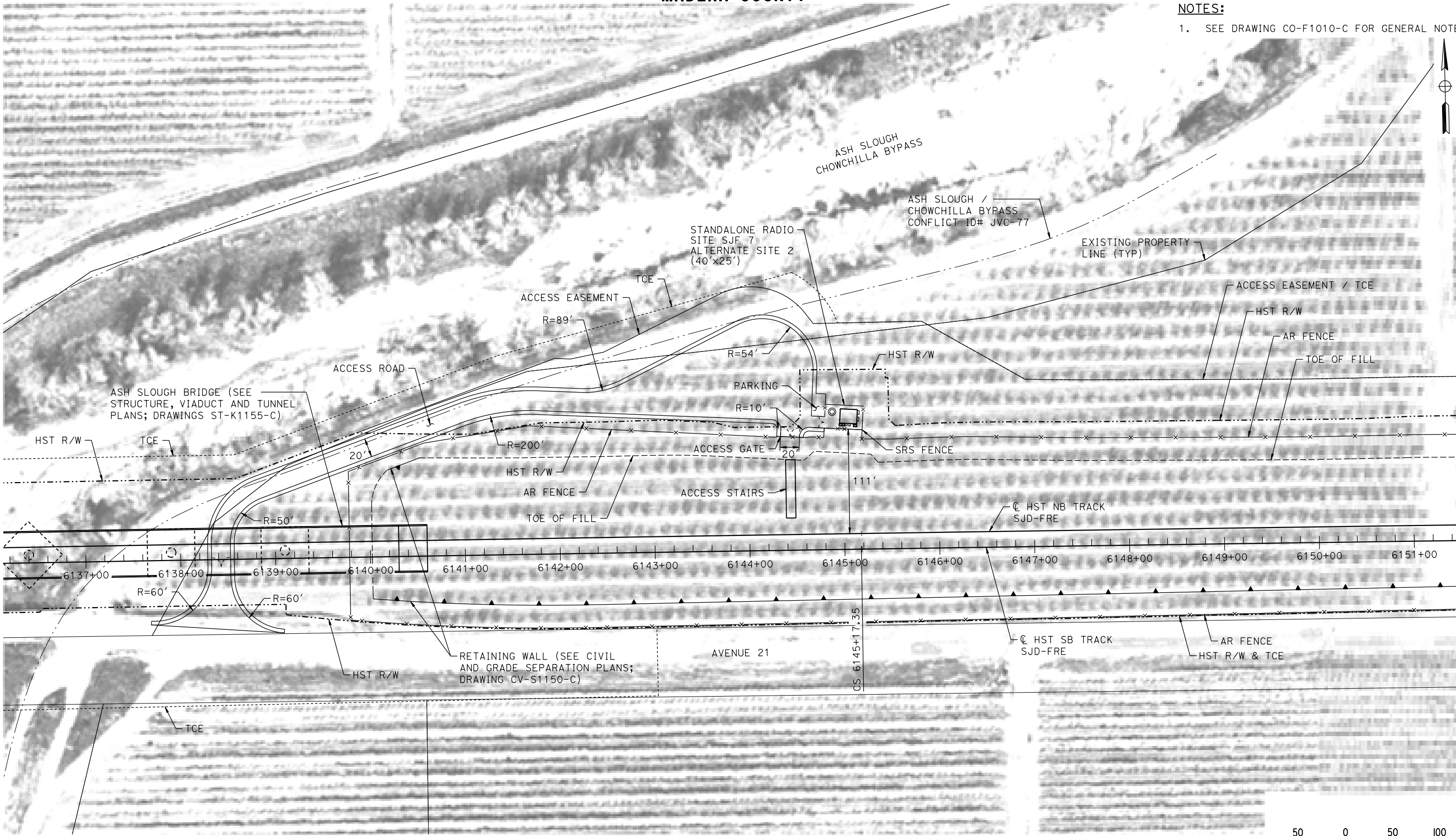


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 1

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

MADERA COUNTY

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



PLAN

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

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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



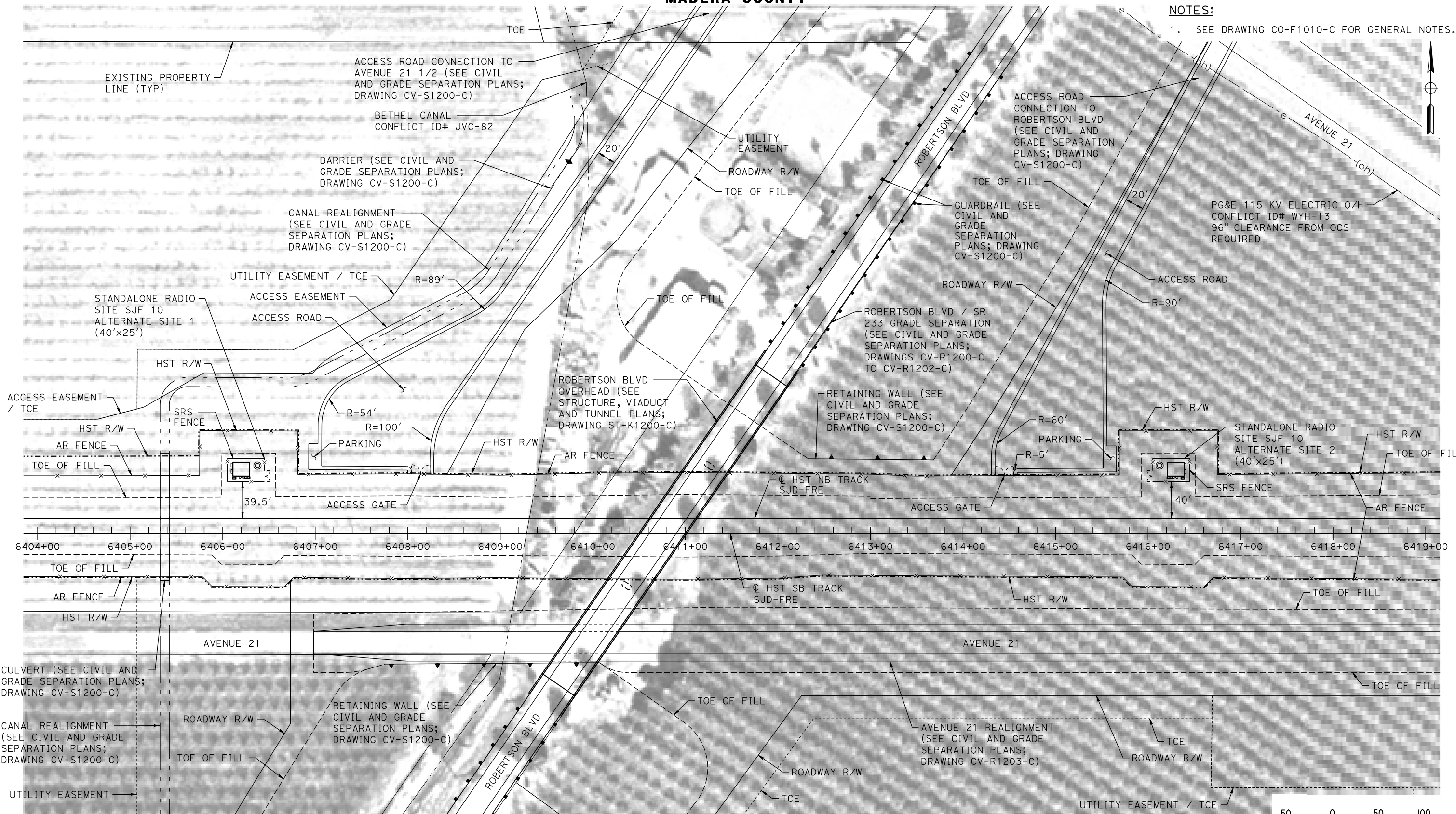
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 7 ALTERNATE SITE 2

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

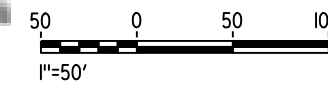
MADERA COUNTY

NOTES:

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



PLAN



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18-MAR-2016 01:34
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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



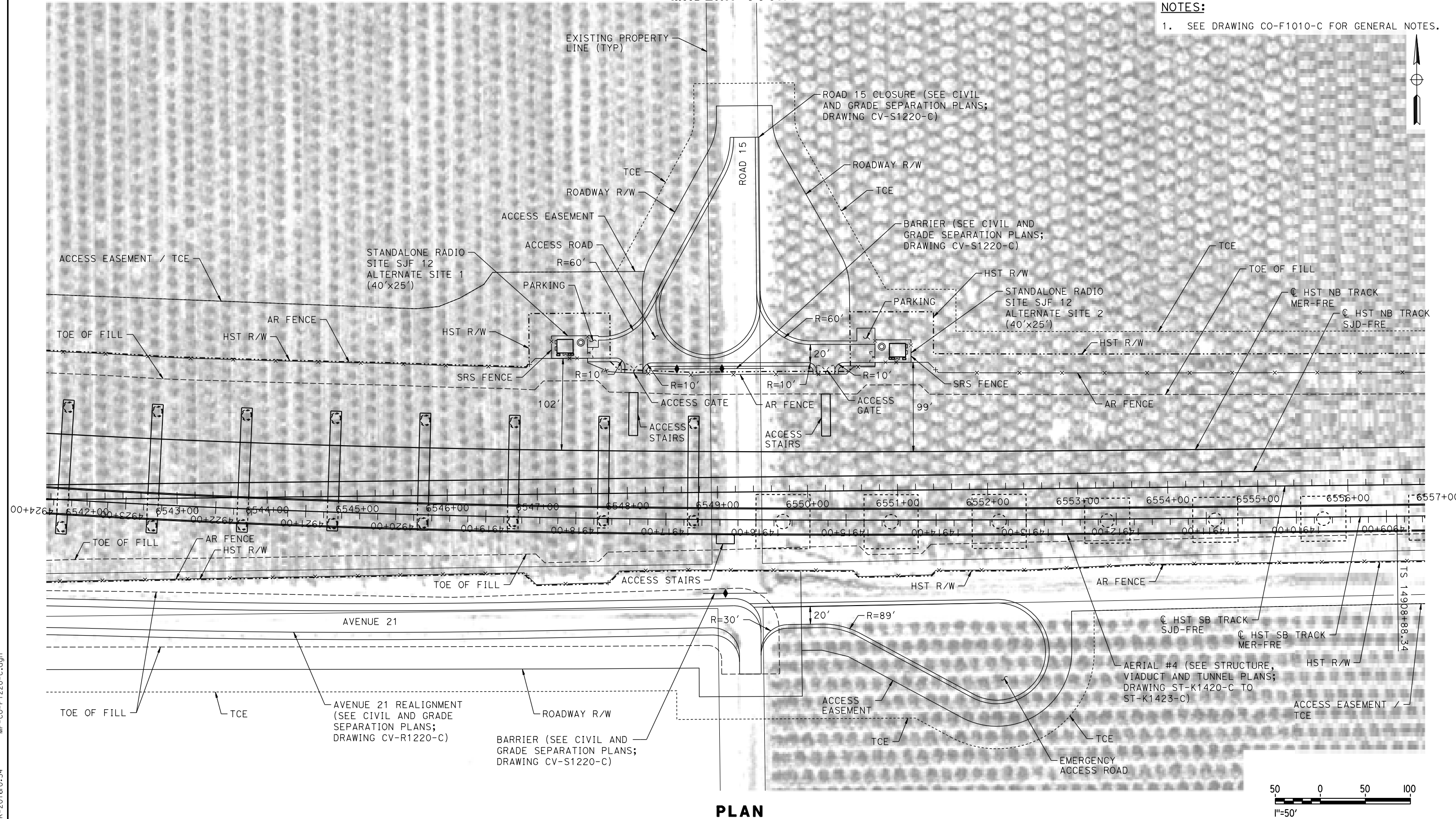
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 10 ALTERNATE SITES 1 & 2

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.



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

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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

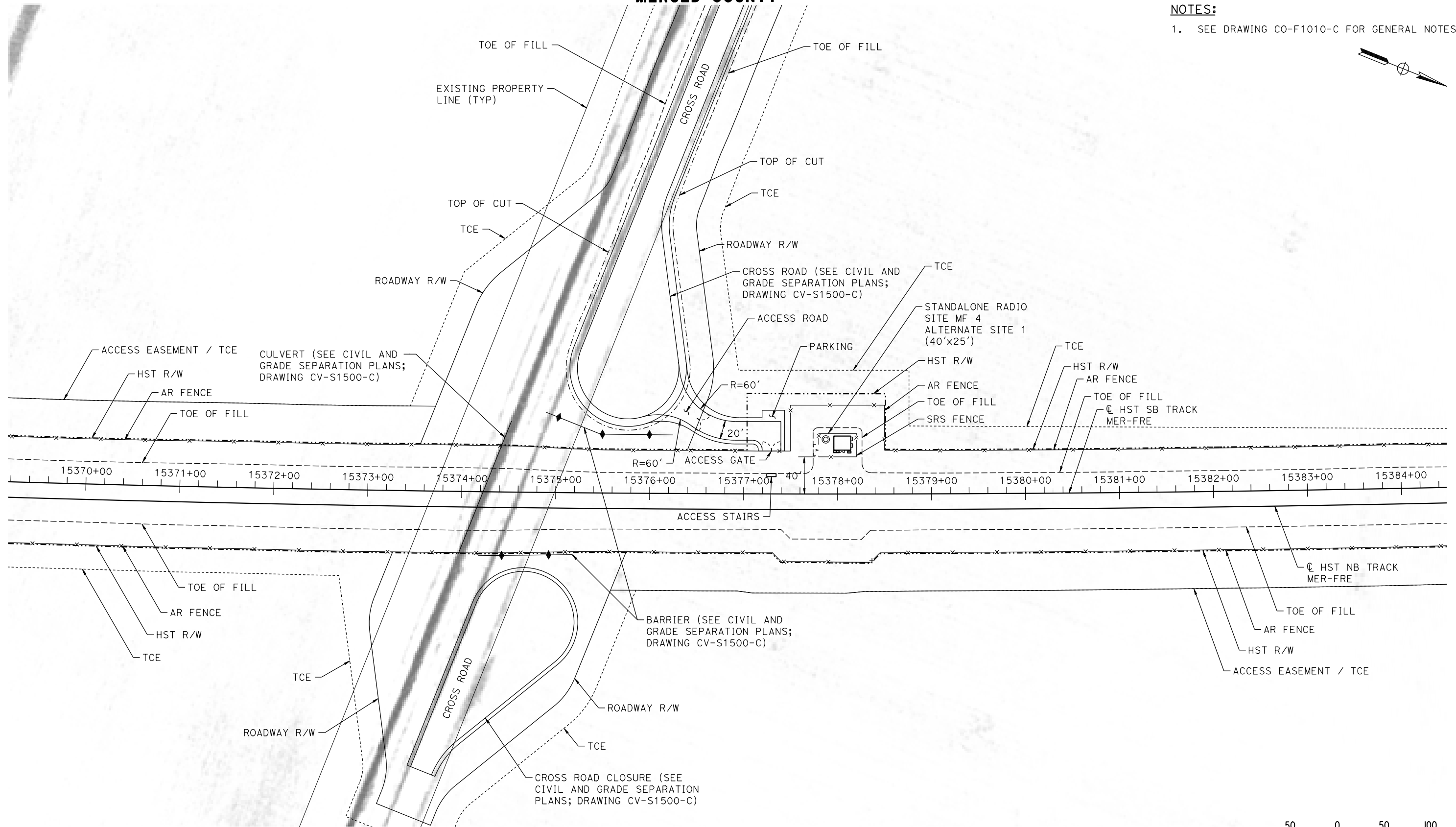
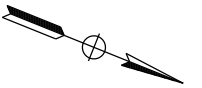
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 12 ALTERNATE SITES 1 & 2

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

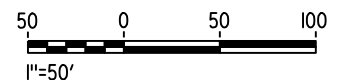
MERCED COUNTY

NOTES:

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



PLAN



MF-CO-F1500-C.dgn
18-MAR-2016 01:35
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| DESIGNED BY A. GURA |
| DRAWN BY M. TACTAY |
| CHECKED BY A. GURA |
| IN CHARGE C. LEMLEY |
| DATE 03/18/2016 |

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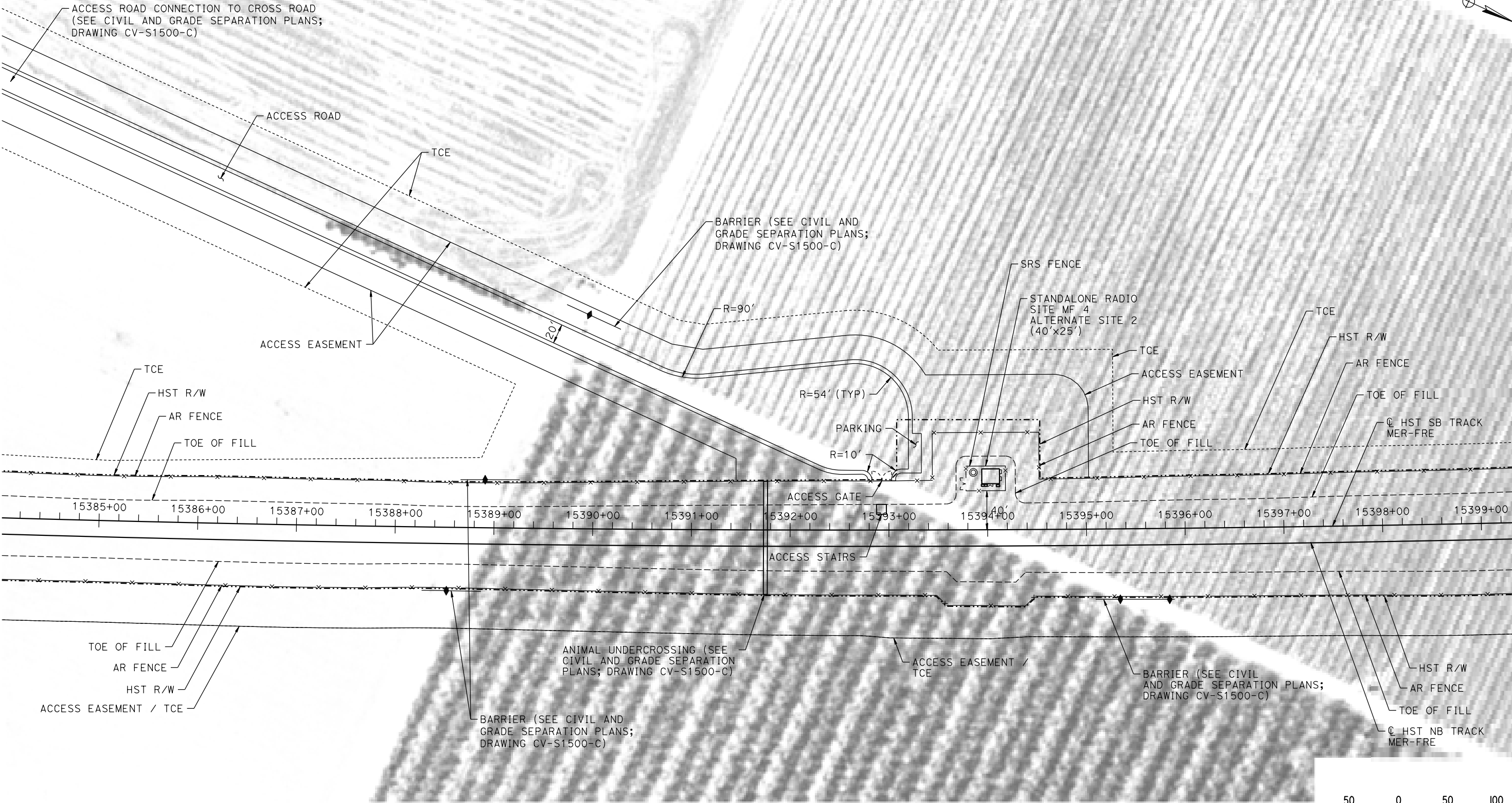
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 4 ALTERNATE SITE 1

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

MERCED COUNTY

NOTES:

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



PLAN

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07-MAR-2016 12:34

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

**RECORD SET
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**NOT FOR
CONSTRUCTION**



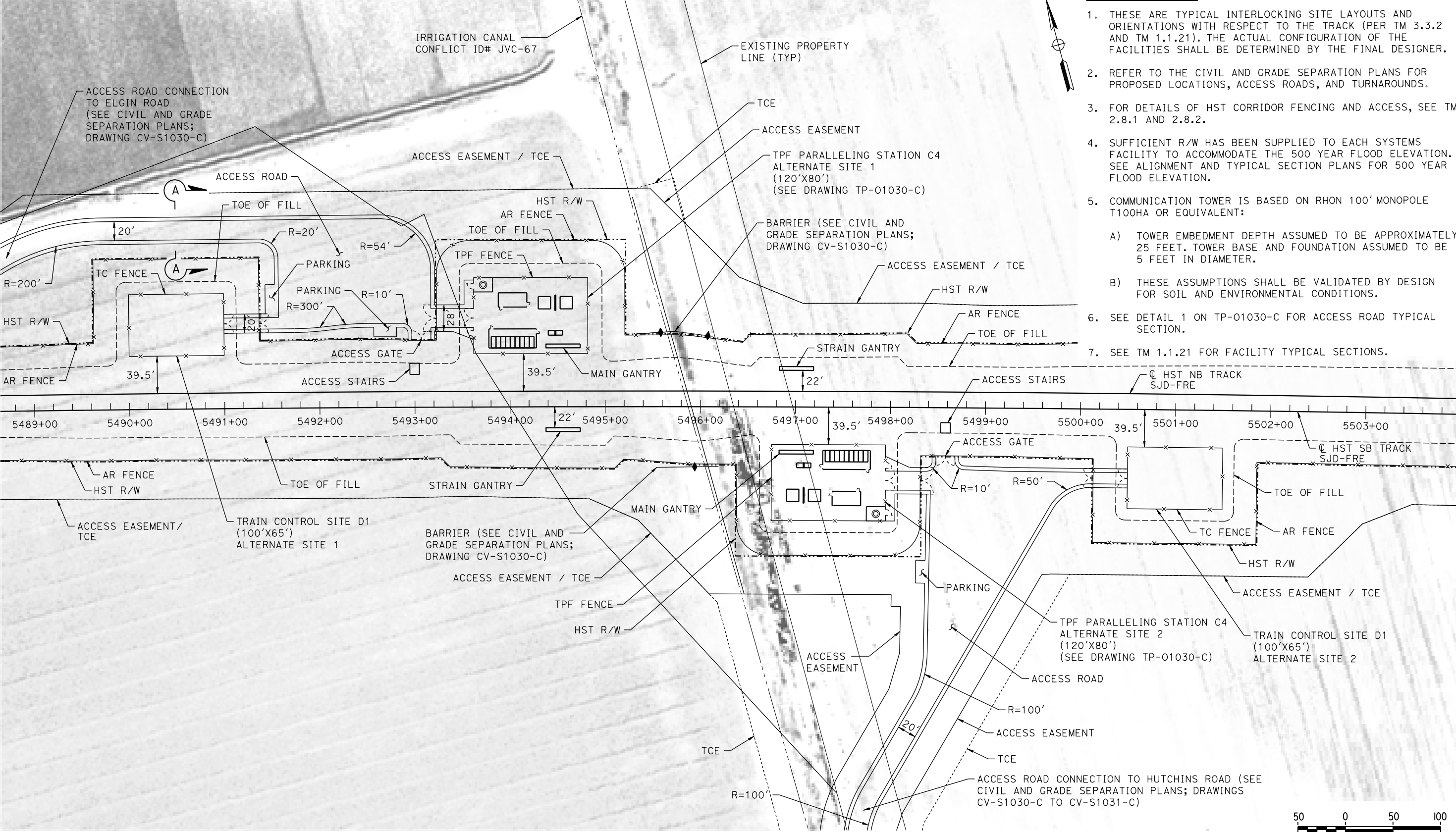
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 4 ALTERNATE SITE 2

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

MERCED COUNTY



GENERAL NOTES:

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

PLAN

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

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

RECORD SET
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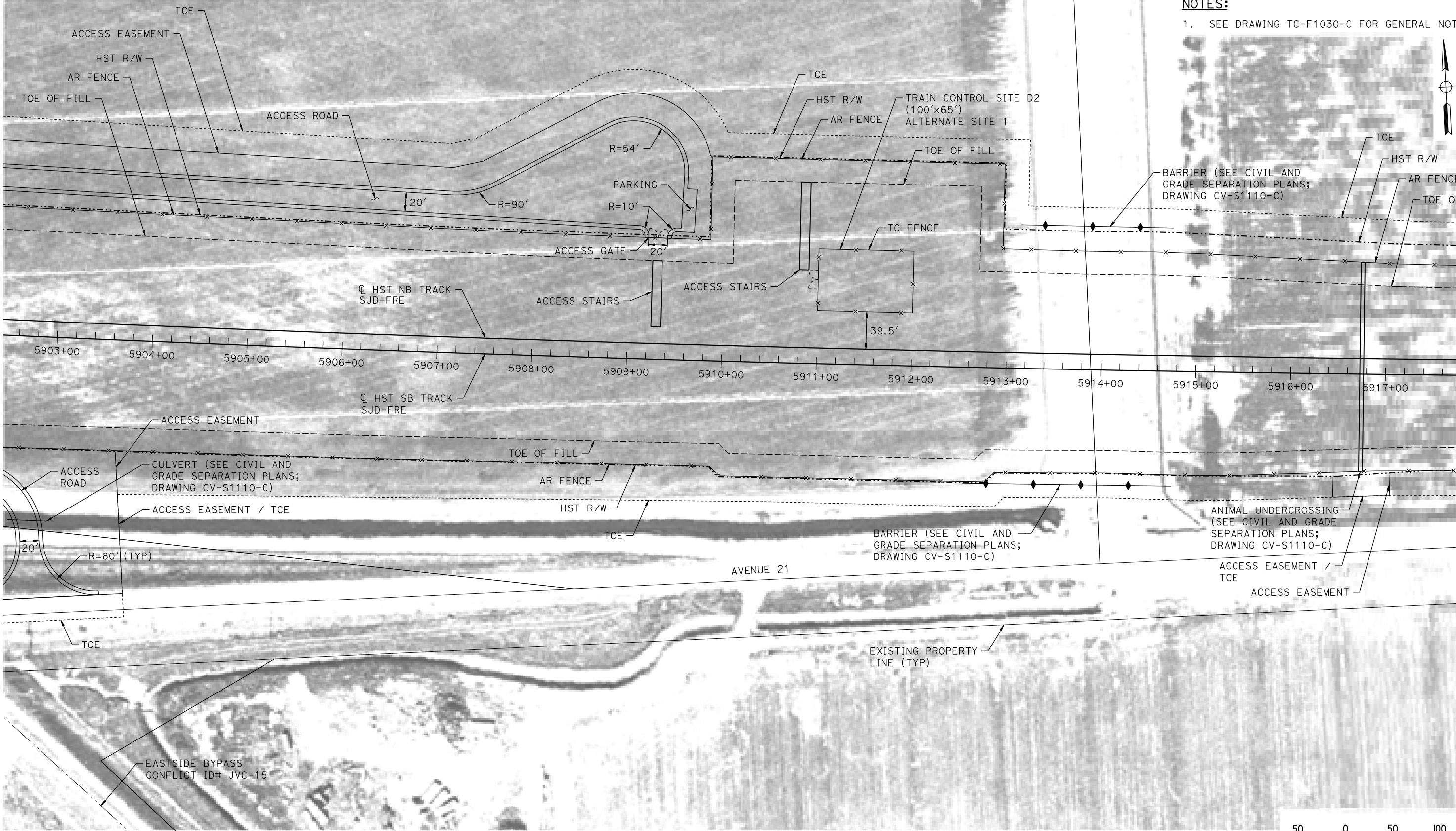


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITES 1 & 2

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| 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

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

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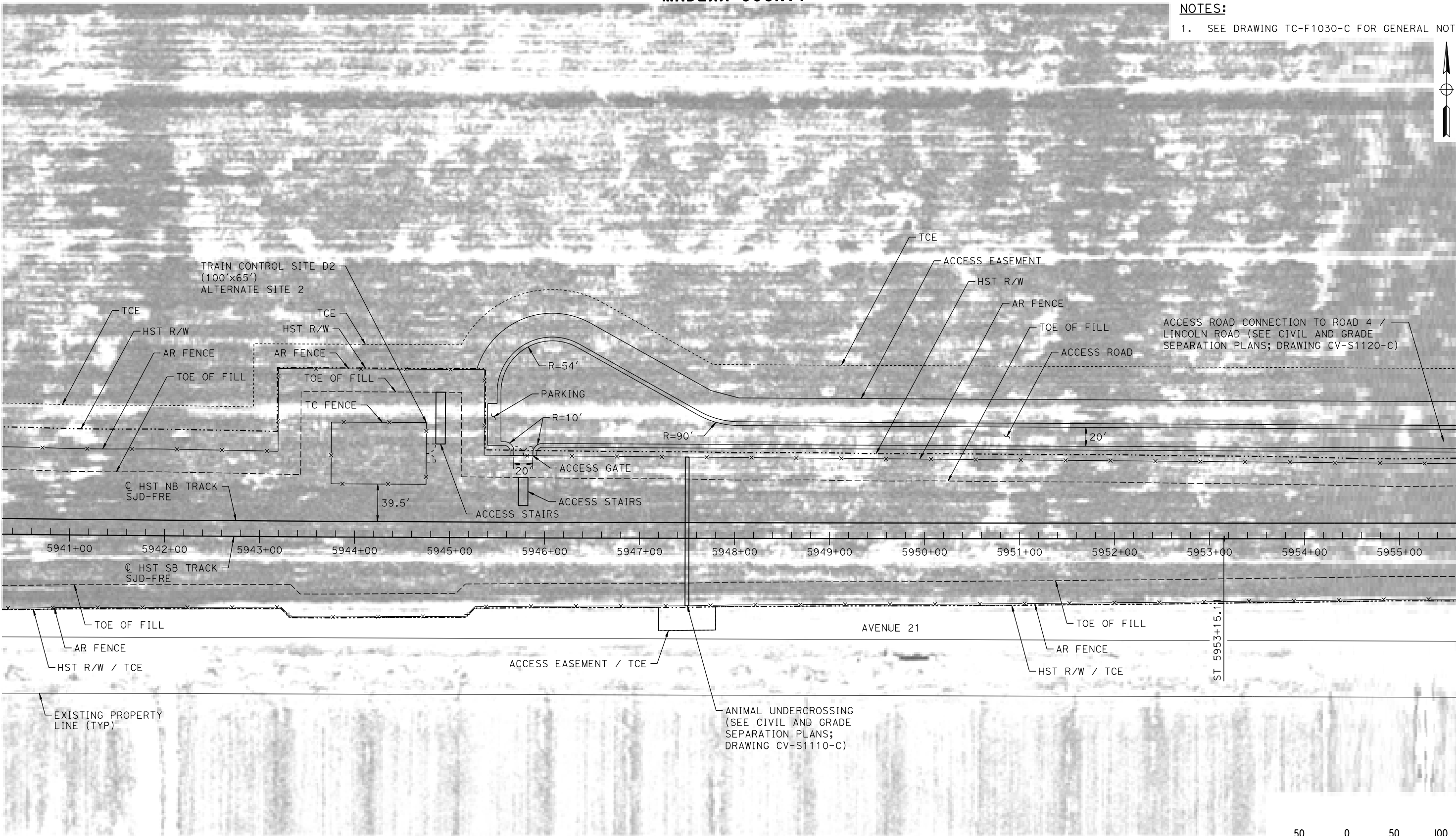


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 1

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| 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

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07-MAR-2016 2:36
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| DESIGNED BY A. GURA |
| DRAWN BY J. CASTILLO |
| CHECKED BY A. GURA |
| IN CHARGE C. LEMLEY |
| DATE 03/18/2016 |

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

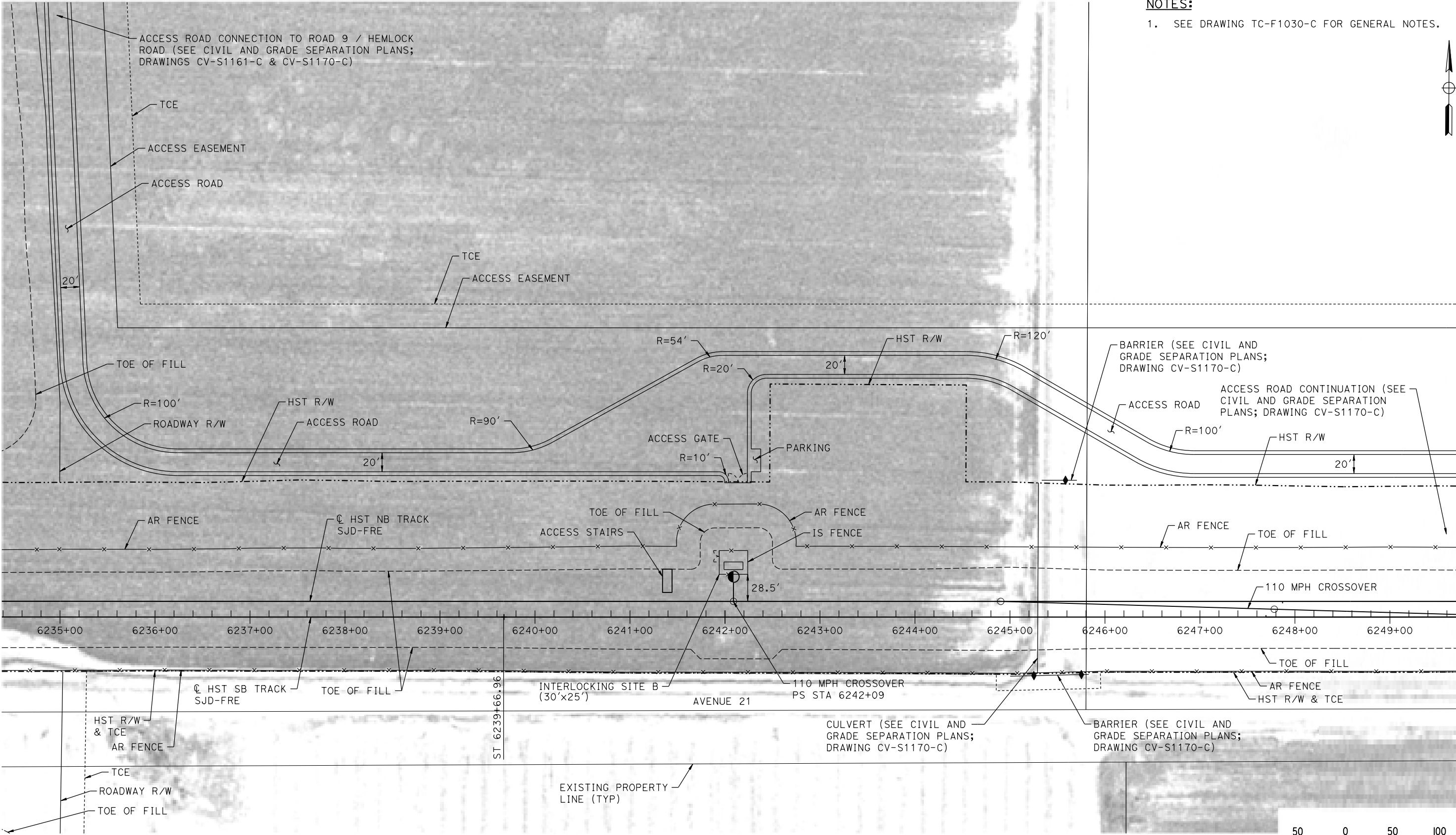
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITE 2

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

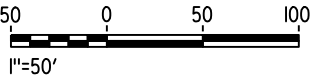
MADERA COUNTY

NOTES:

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



PLAN



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

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| 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

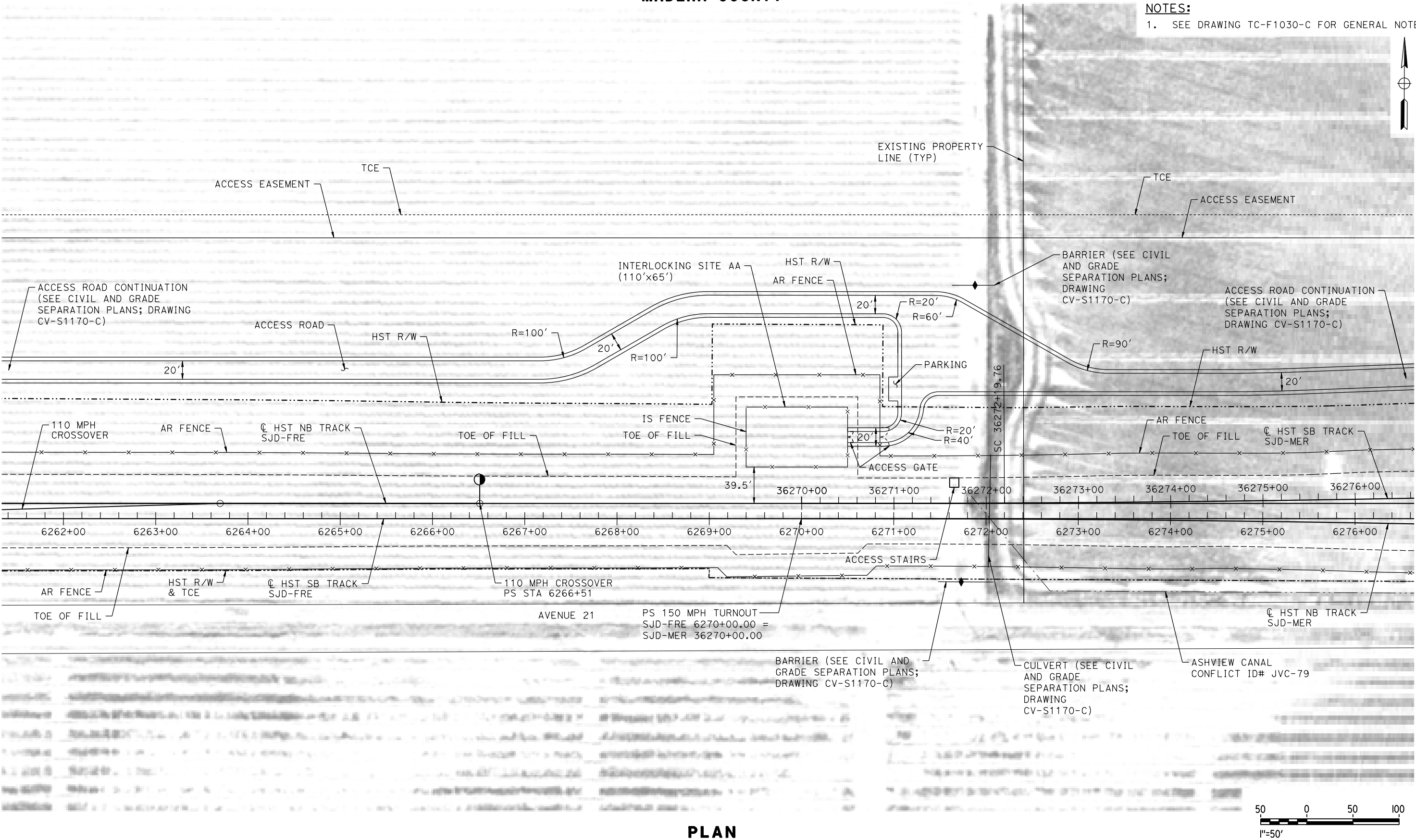


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6242+00

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

MADERA COUNTY

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



PLAN

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

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

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION

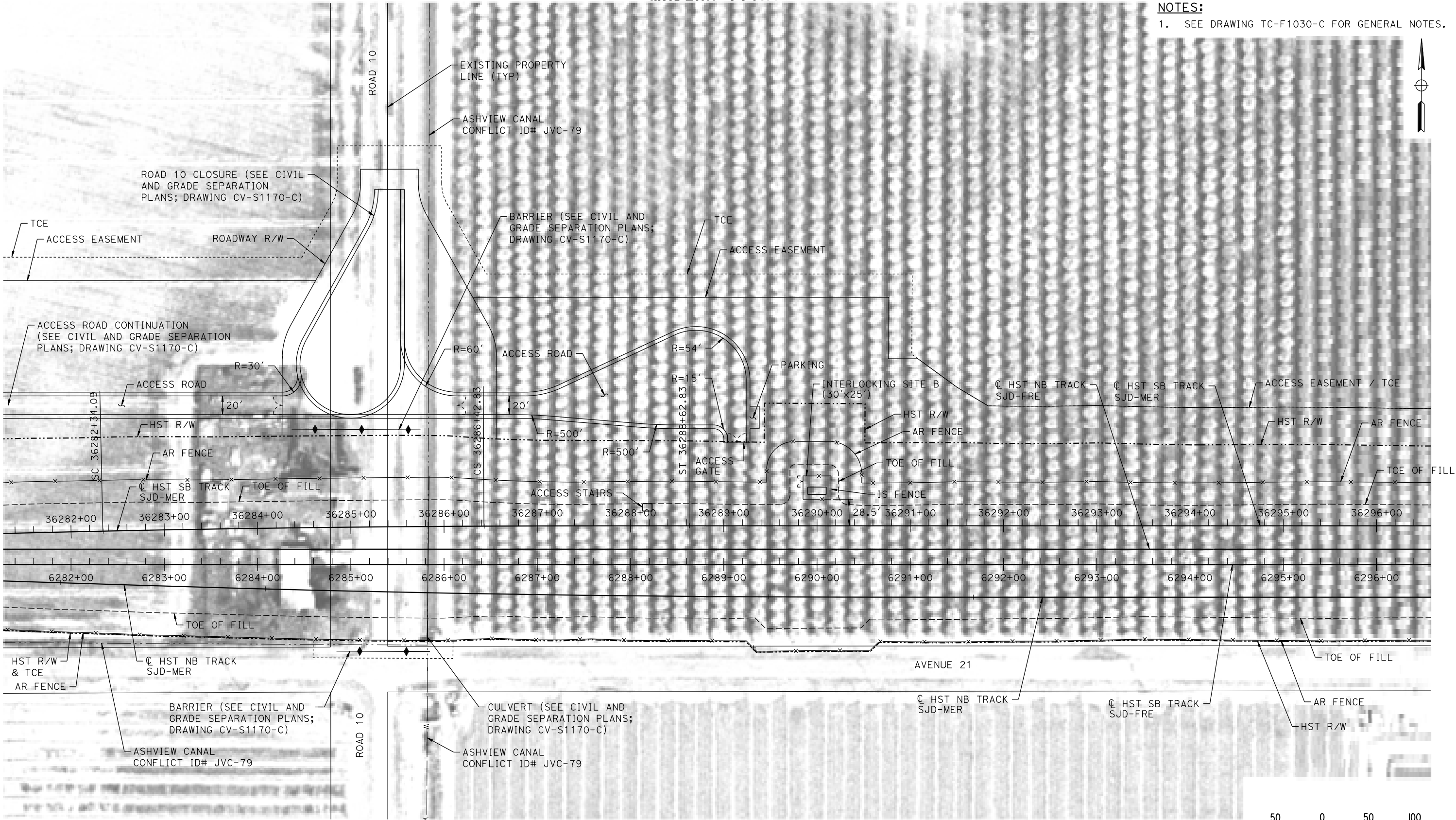


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6270+00

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

MADERA COUNTY

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



PLAN

MF-TF-F1172-C.dgn
07-MAR-2016 21:38
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| DESIGNED BY A. GURA |
| DRAWN BY M. TACTAY |
| CHECKED BY A. GURA |
| IN CHARGE C. LEMLEY |
| DATE 03/18/2016 |

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION

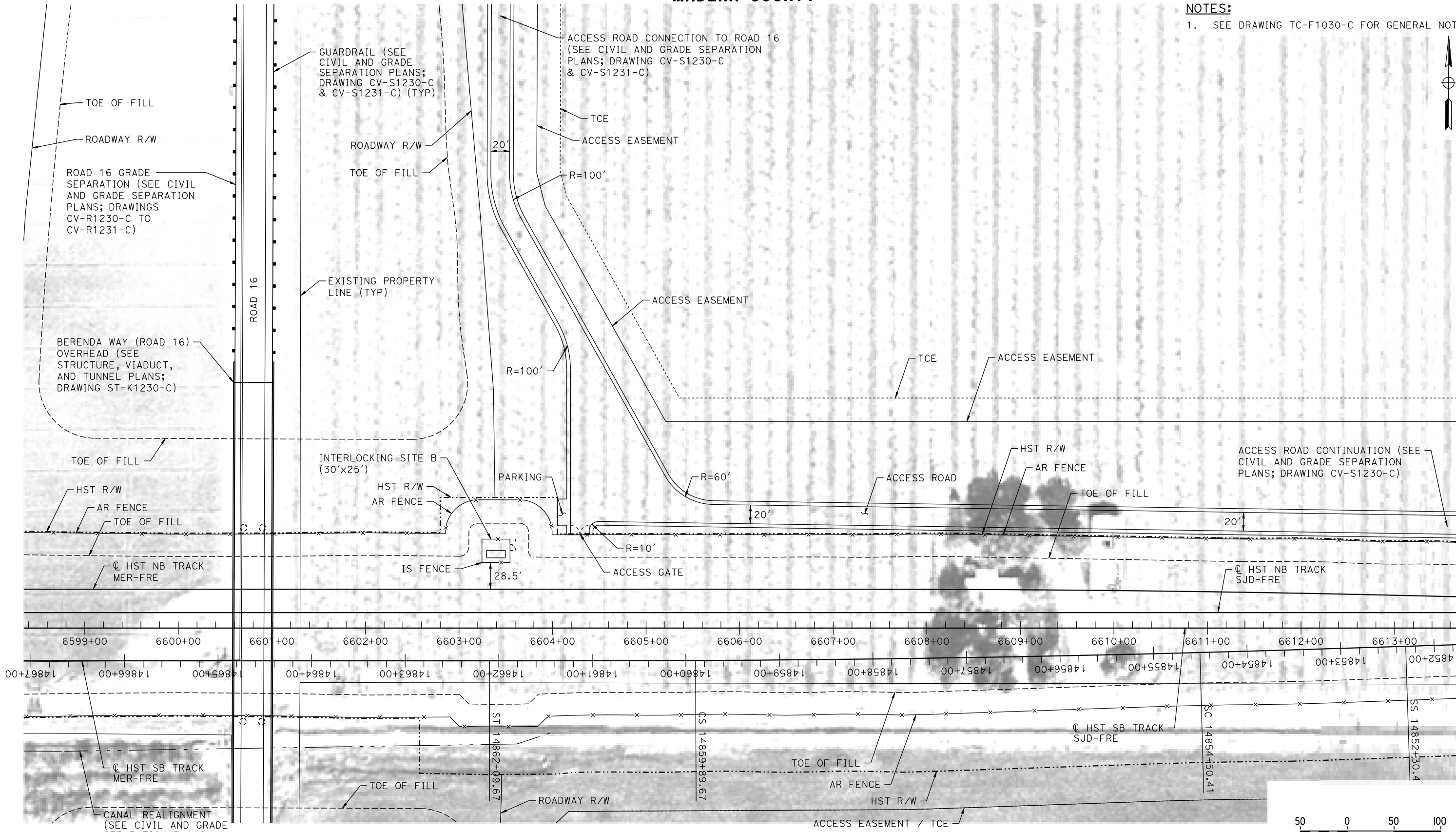


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6290+00

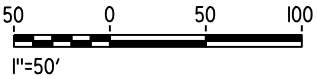
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TC-F1172-C |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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



PLAN



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

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| 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

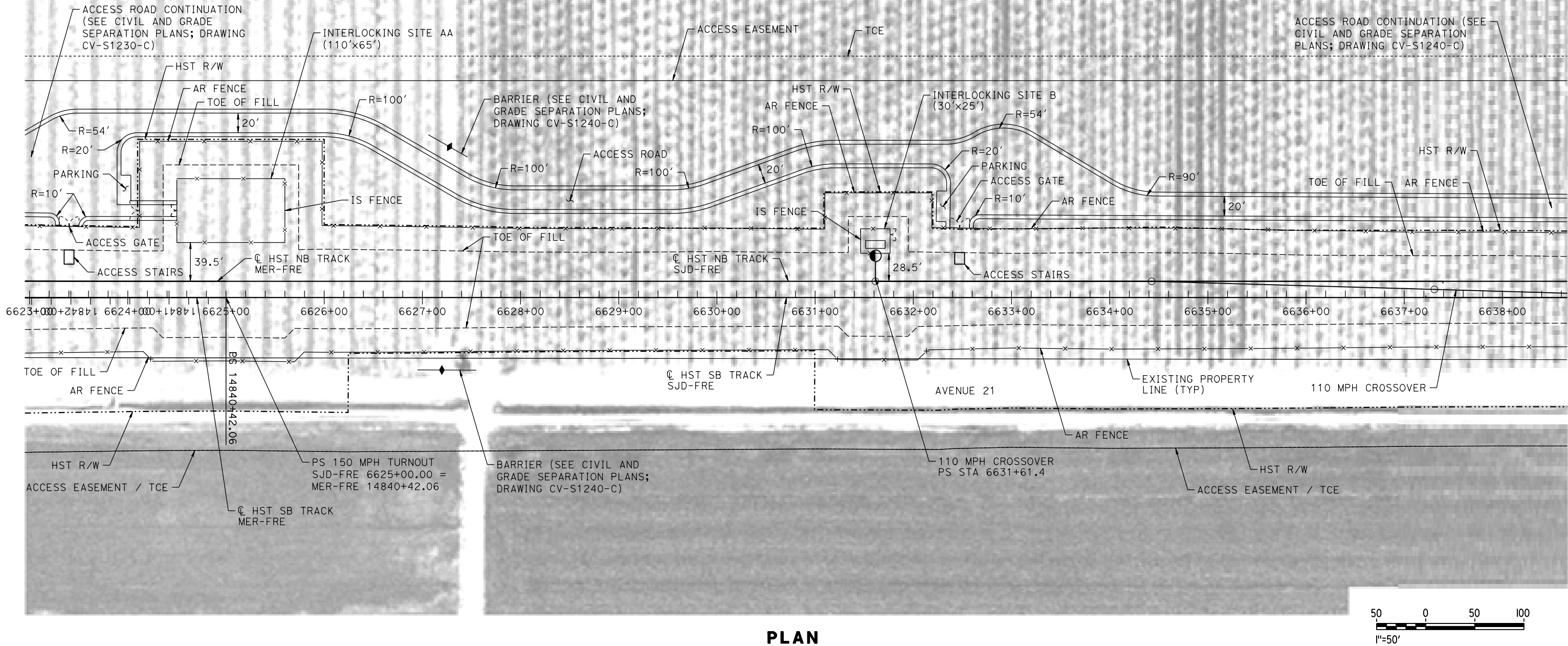


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6603+50

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| 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

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| 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

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

NOTES:

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



p005133A 18-MAR-2016 10:36 MF-TC-F1241-C.dgn

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| 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**



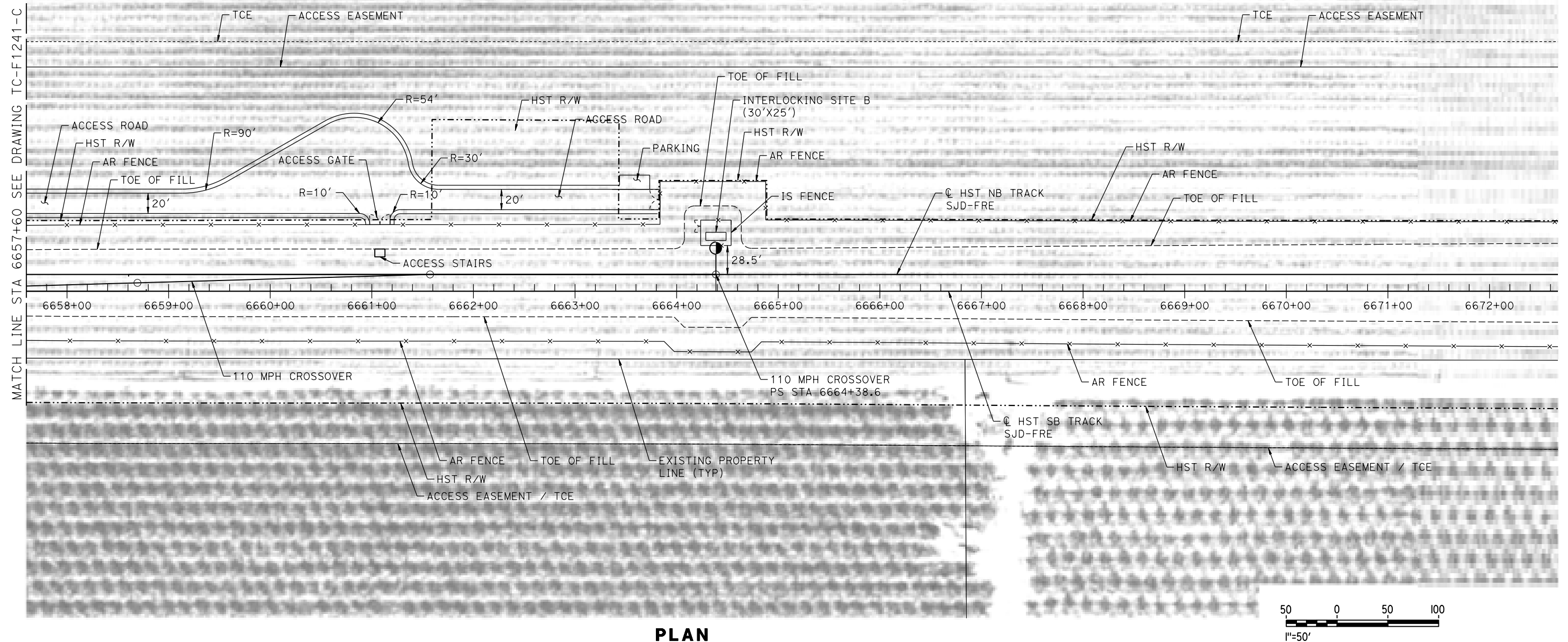
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6650+00

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| 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

MF-TC-F1242-C.dgn

18-MAR-2016 01:37

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

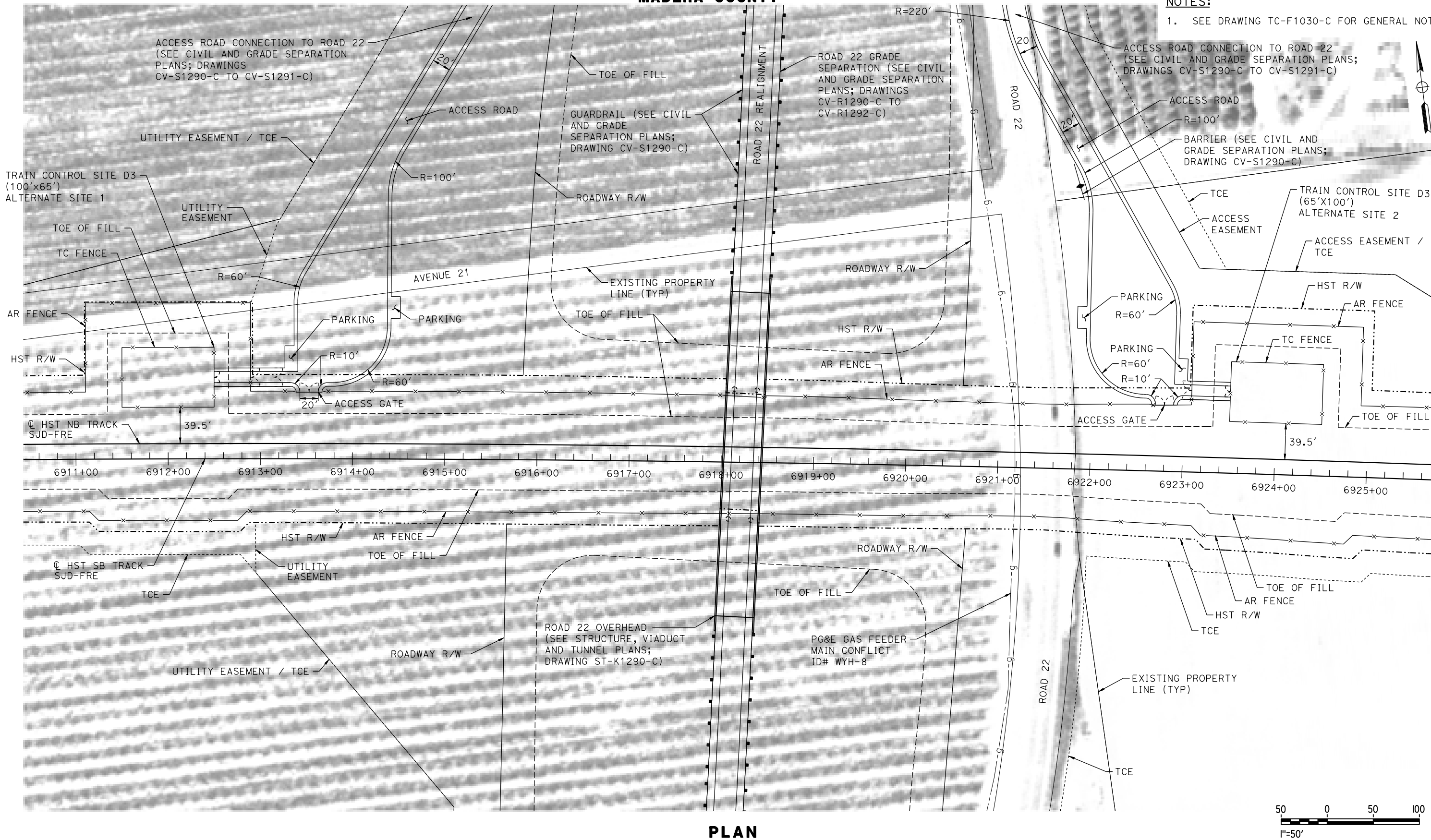
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6664+40

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

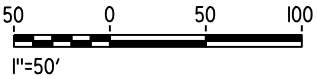
MADERA COUNTY

NOTES:

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



PLAN



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

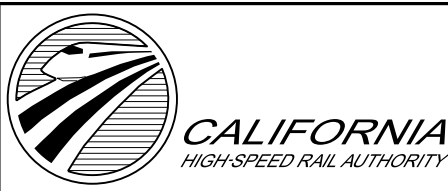
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| DESIGNED BY A. GURA |
| DRAWN BY M. TACTAY |
| CHECKED BY A. GURA |
| IN CHARGE C. LEMLEY |
| DATE 03/18/2016 |

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



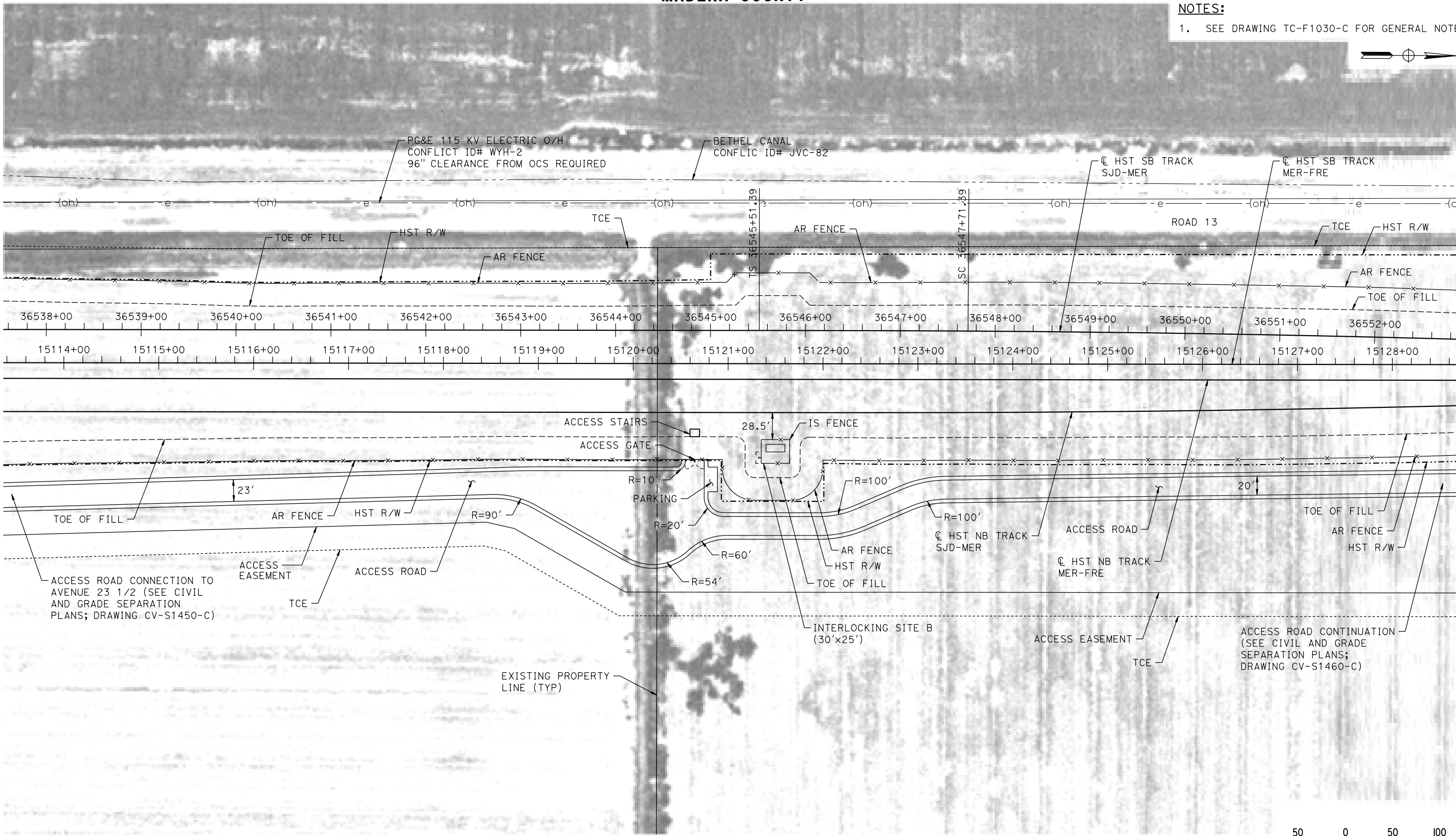
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

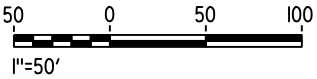
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TC-F1290-C |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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



PLAN



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

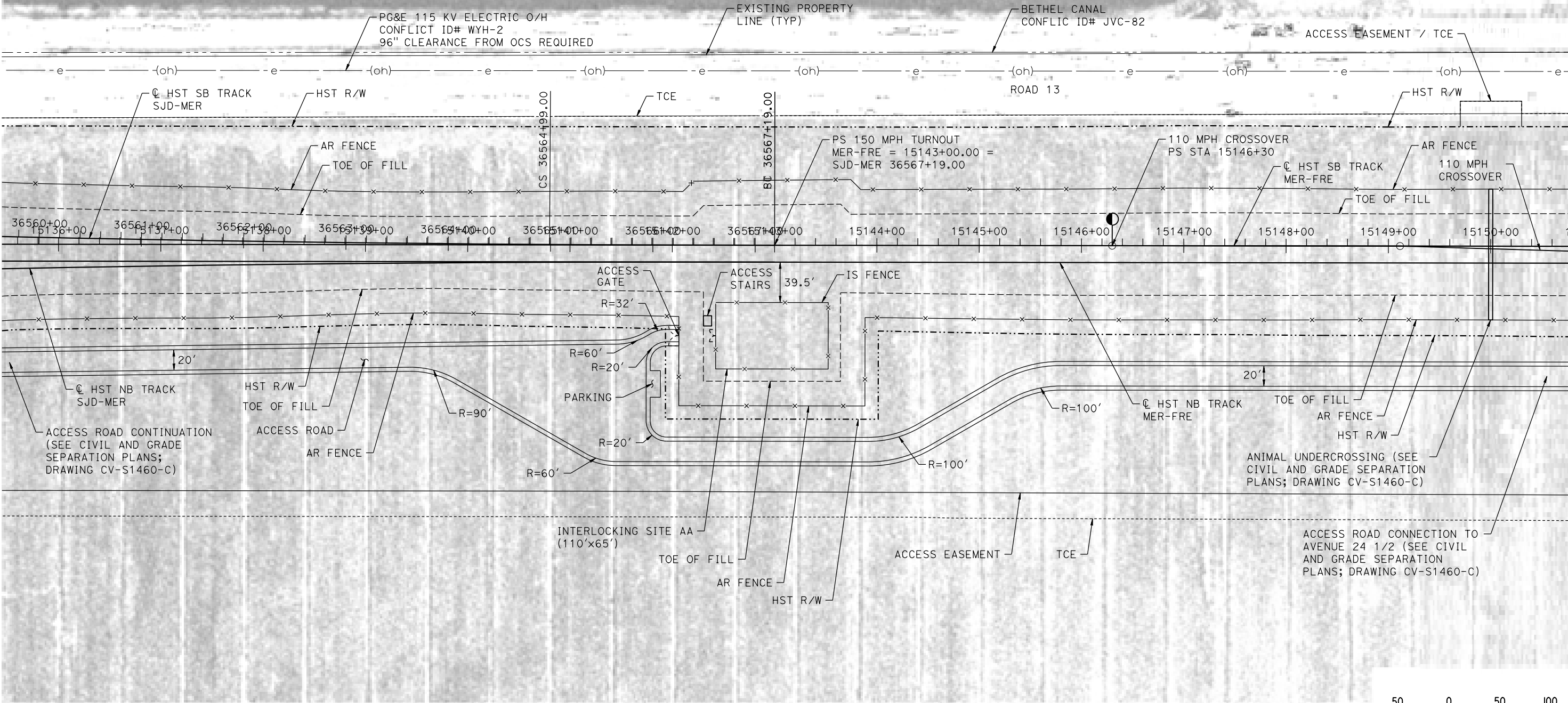


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15121+50

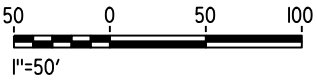
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TC-F1460-C |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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



PLAN



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

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| 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

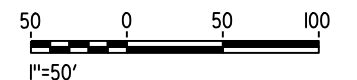
NOT FOR
CONSTRUCTION



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

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

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



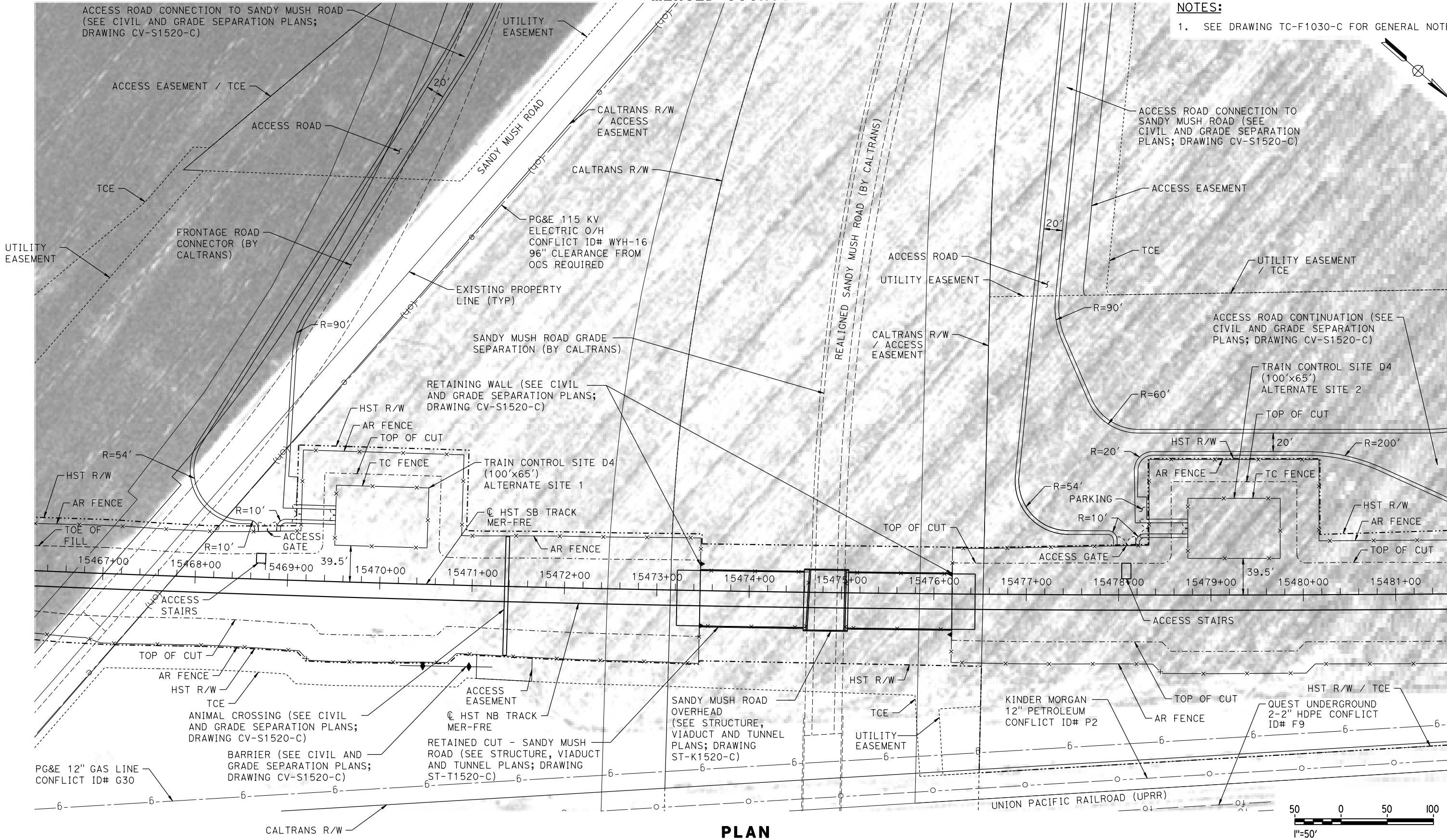
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| | | | | | | DESIGNED BY A. GURA | RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION |  PARSONS |  <i>CALIFORNIA</i> <i>HIGH-SPEED RAIL AUTHORITY</i> | CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE AVENUE 21 TO ROAD 13 WYE ALTERNATIVE AUTOMATIC TRAIN CONTROL SITE PLAN INTERLOCKING SITE B @ 15170+73 | CONTRACT NO. HSR08-05 |
| | | | | | | DRAWN BY M. TACTAY | | | | | DRAWING NO. TC-F1462-C |
| | | | | | | CHECKED BY A. GURA | | | | | SCALE AS SHOWN |
| | | | | | | IN CHARGE C. LEMLEY | | | | | SHEET NO. |
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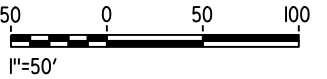
MERCED COUNTY

NOTES:

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



PLAN



18-MAR-2016 01:38 MF-TC-F1520-C.dgn

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

RECORD SET
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CONSTRUCTION



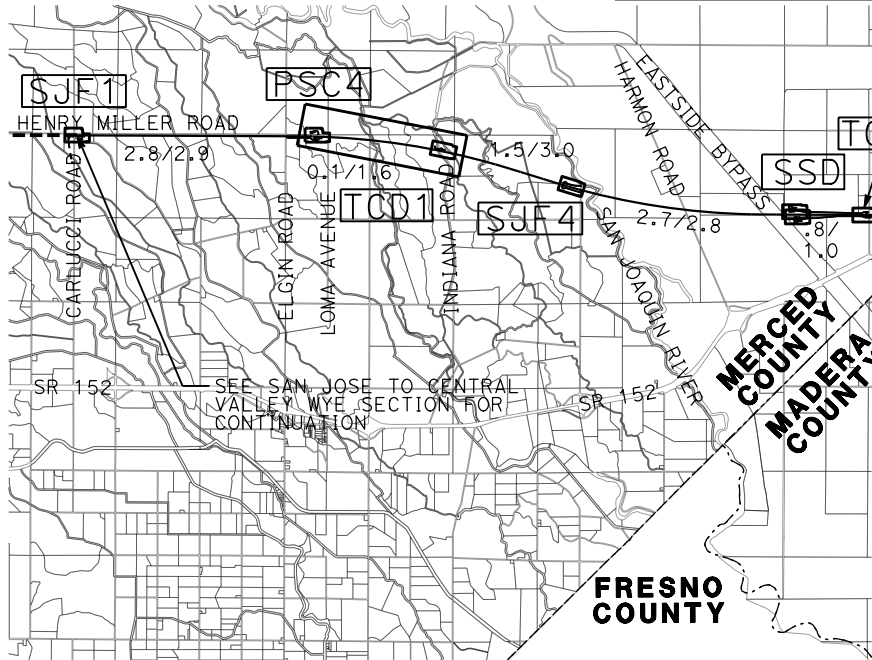
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
AVENUE 21 TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D4 ALTERNATE SITES 1 & 2

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

LEGEND:

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

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



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

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

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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

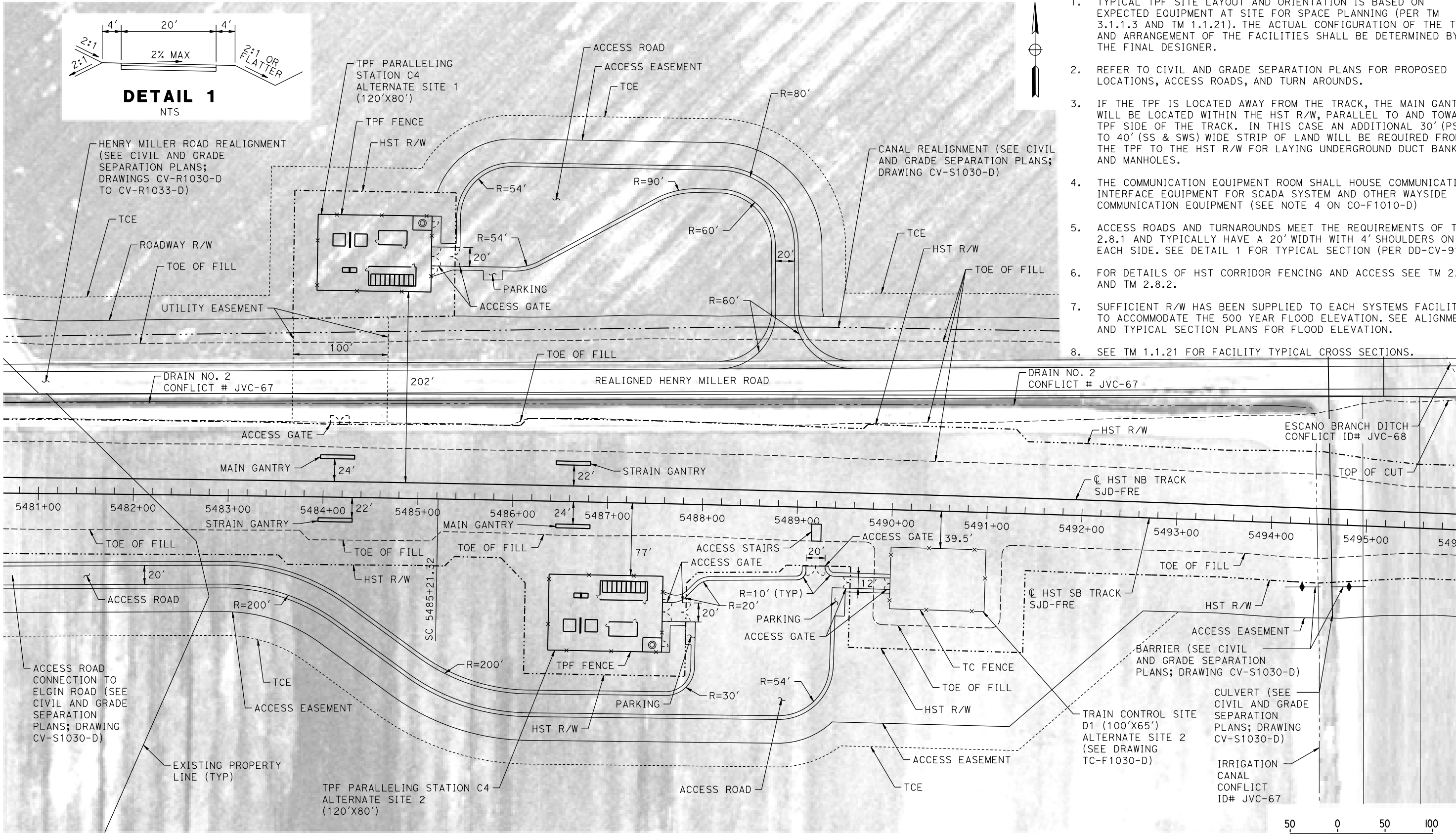
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
SYSTEMS FACILITIES KEY PLAN
SHEET 1 OF 1

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

MERCED COUNTY

GENERAL NOTES:

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



PLAN

p0042226 14-AUG-2016 10:14 MF-TP-01030-D.dgn

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

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SUBMITTAL

NOT FOR
CONSTRUCTION



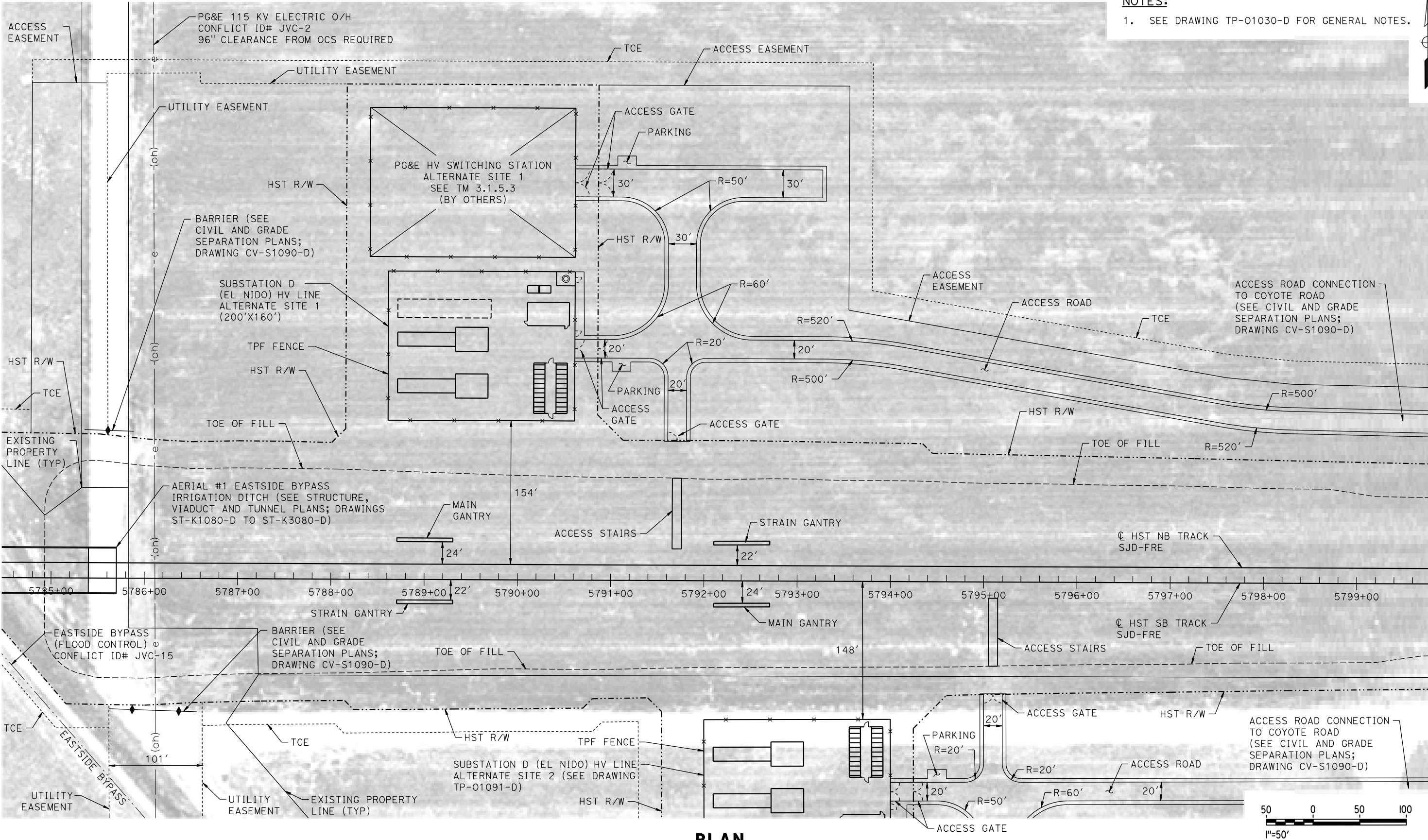
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION C4 ALTERNATE SITES 1 & 2

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

MERCED COUNTY

NOTES:

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



PLAN

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

RECORD SET
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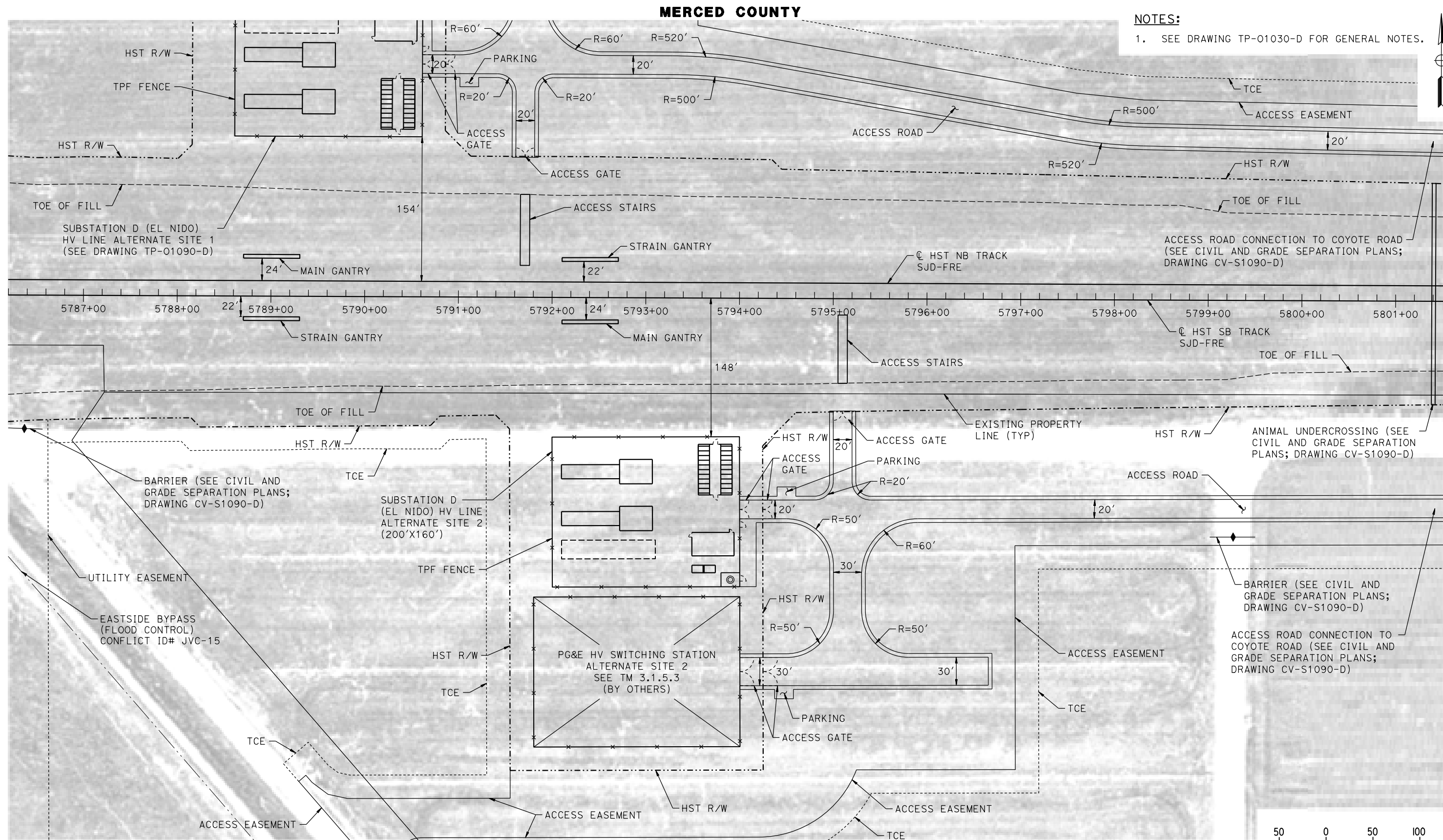


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 1

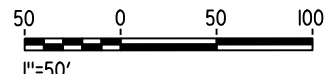
CONTRACT NO.
HSR08-05
DRAWING NO.
TP-01090-D
SCALE
AS SHOWN
SHEET NO.

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

p0042226 12-AUG-2016 11:04 MF-TP-01091-D.dgn



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



PLAN

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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



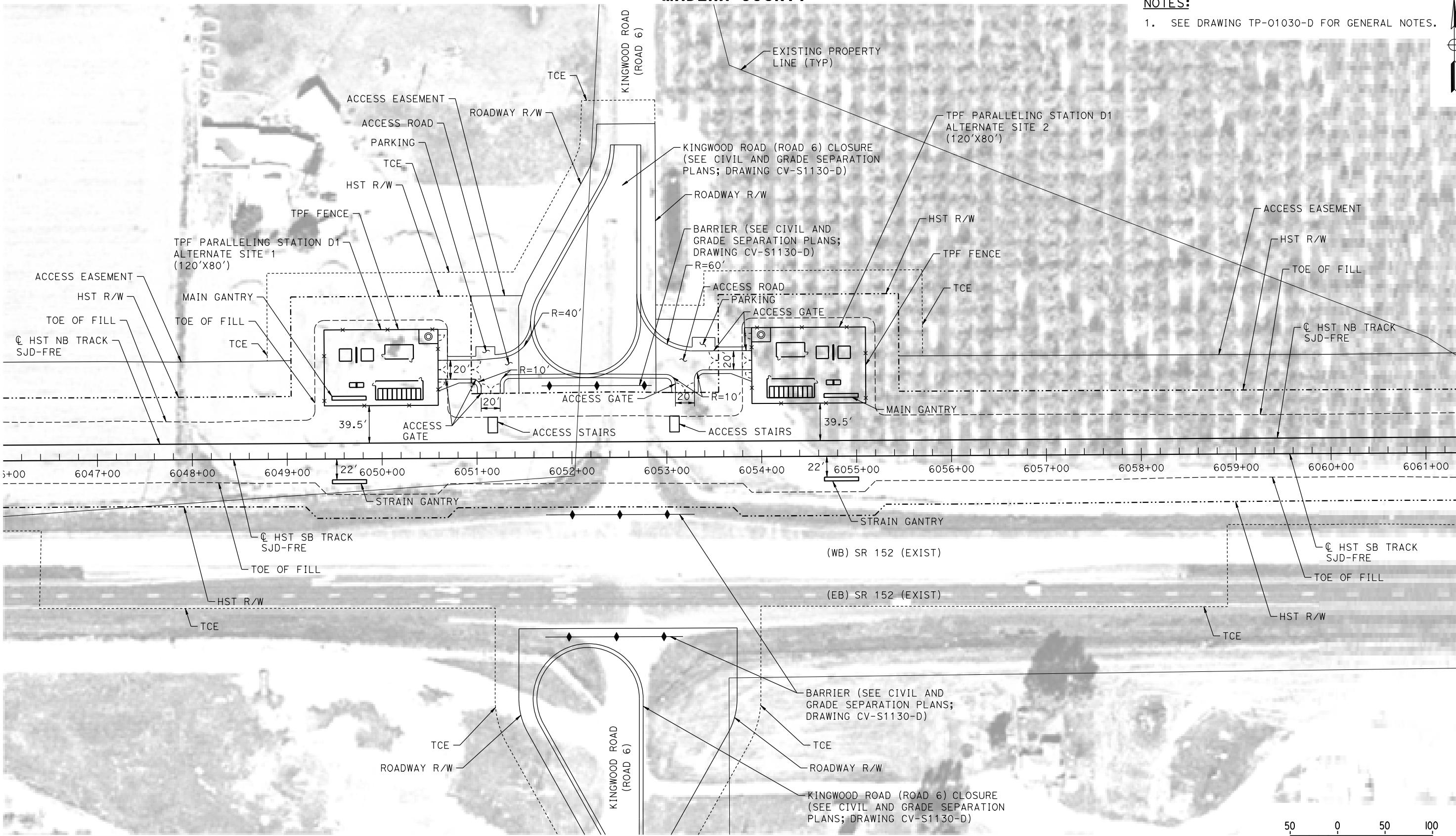
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SUBSTATION D (EL NIDO) ALTERNATE SITE 2

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

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

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



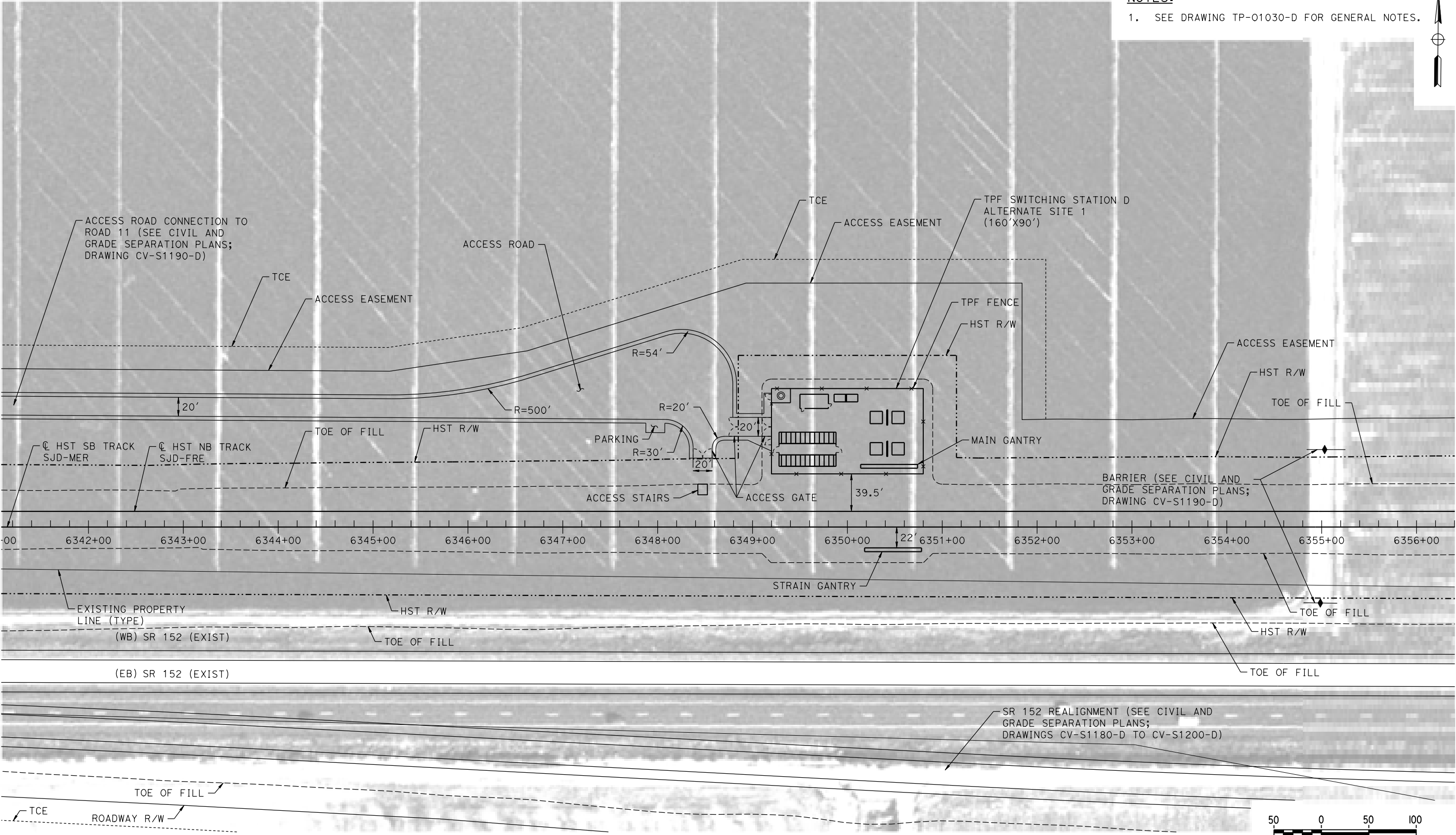
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITES 1 & 2

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| 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 08:00 MF-TP-01190-D.dgn

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| 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



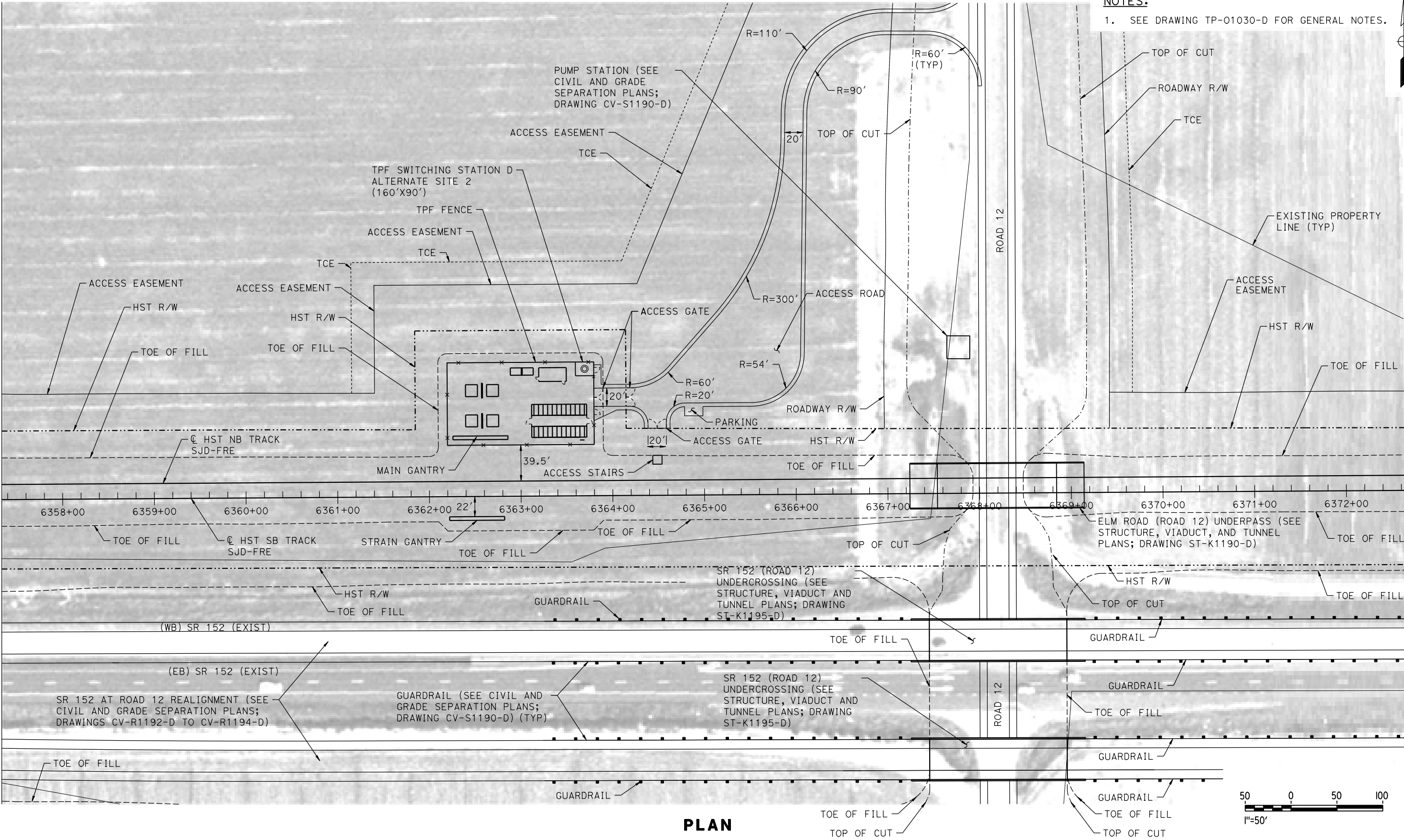
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION D ALTERNATE SITE 1

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

MADERA COUNTY

NOTES:

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



PLAN

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12-AUG-2016 11:06
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| DESIGNED BY K. MA |
| DRAWN BY H. MCINNIS |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

RECORD SET
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NOT FOR
CONSTRUCTION



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

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| 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

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| DESIGNED BY K. MA |
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| 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
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D2 ALTERNATE SITES 1 & 2

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

NOTES:

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



PLAN

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

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
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RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

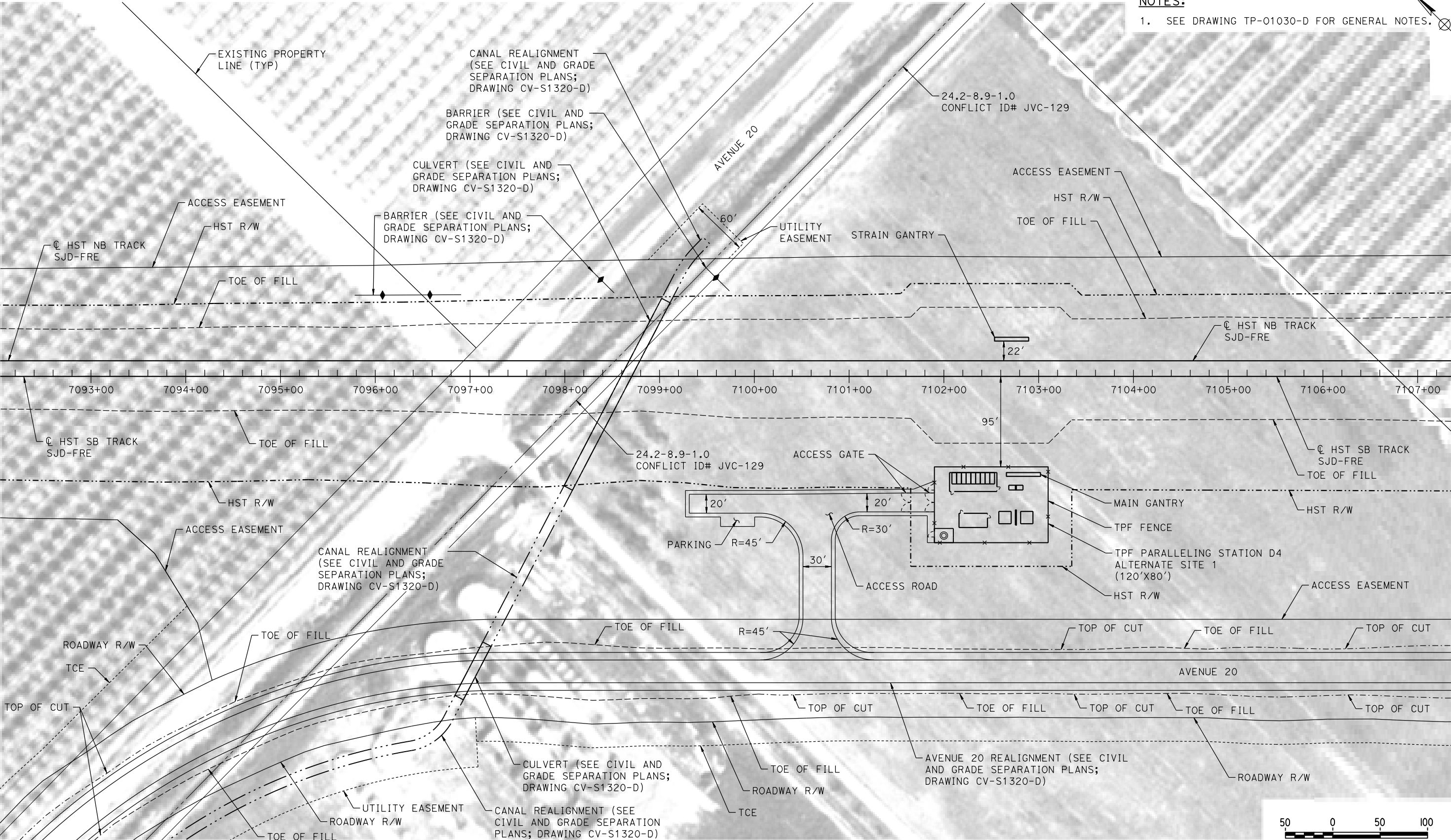
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

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

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| DESIGNED BY K. MA |
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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

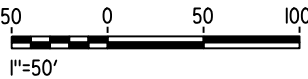
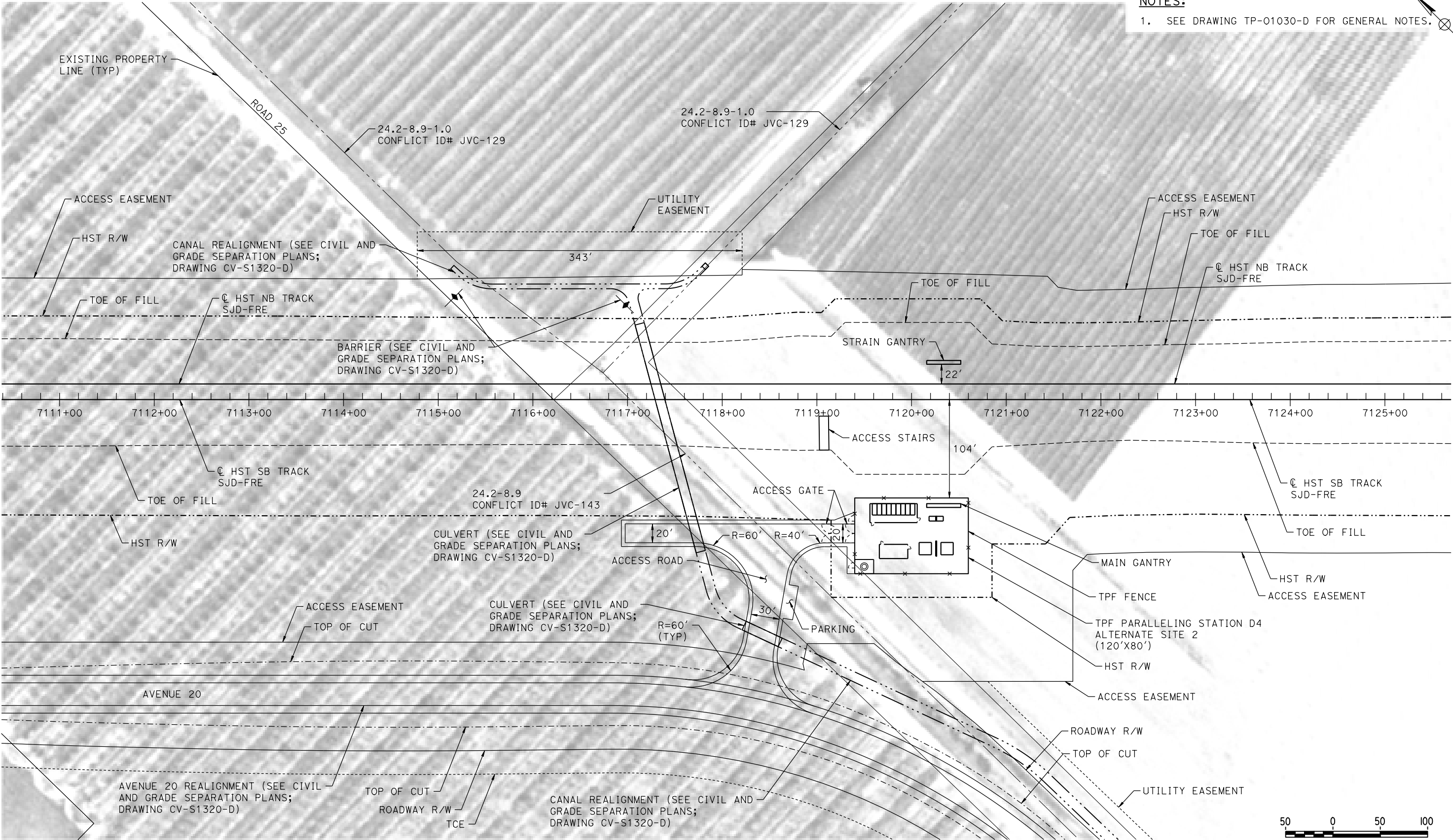
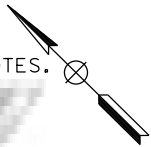
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 1

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

MADERA COUNTY

NOTES:

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



PLAN

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

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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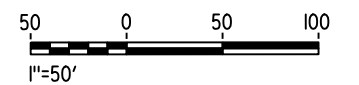
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D4 ALTERNATE SITE 2

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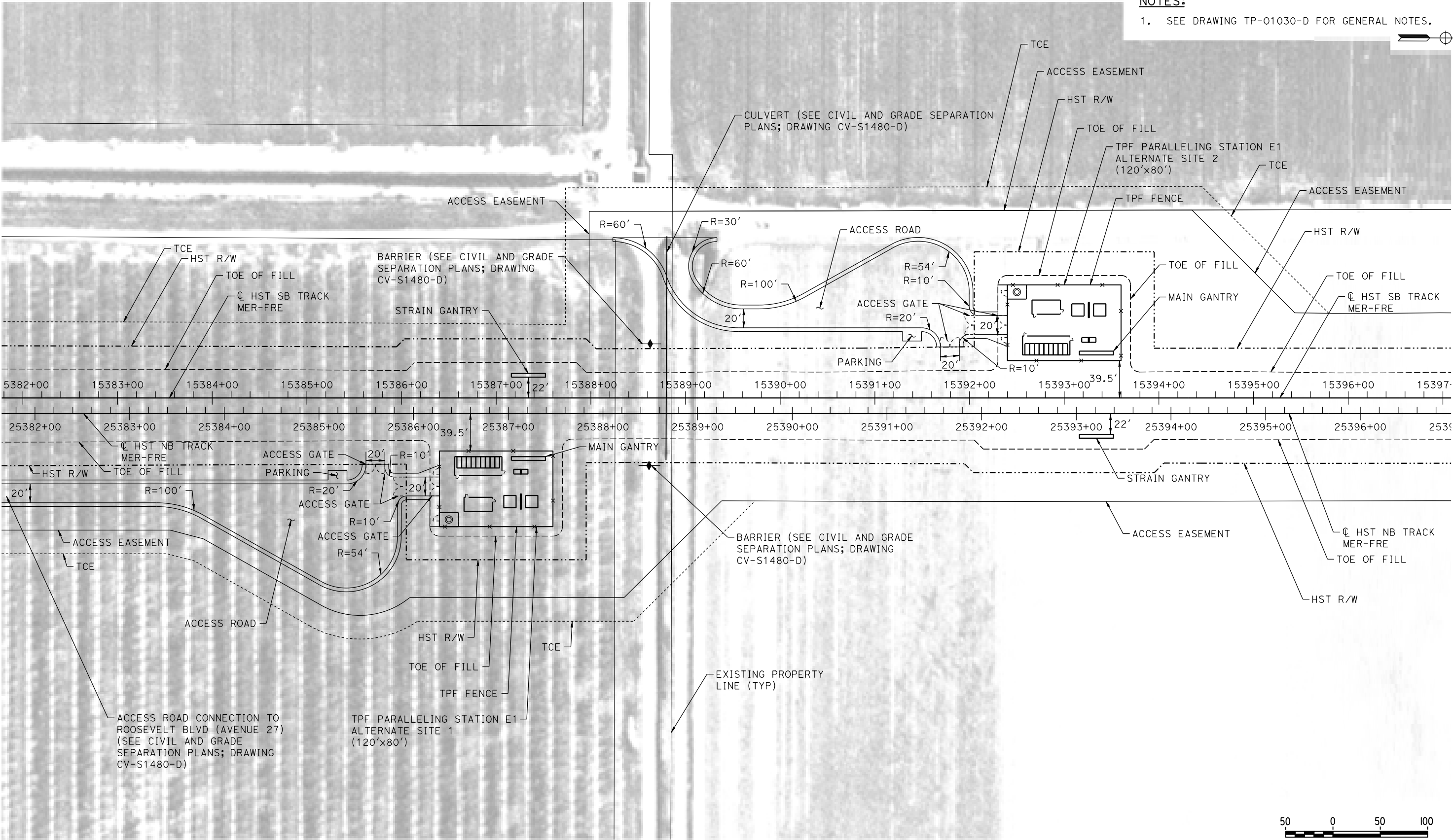
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| CONTRACT NO. HSR08-05 |
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| SCALE AS SHOWN |
| SHEET NO. |

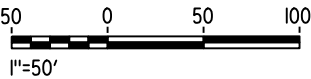
MERCED COUNTY

NOTES:

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



PLAN



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

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

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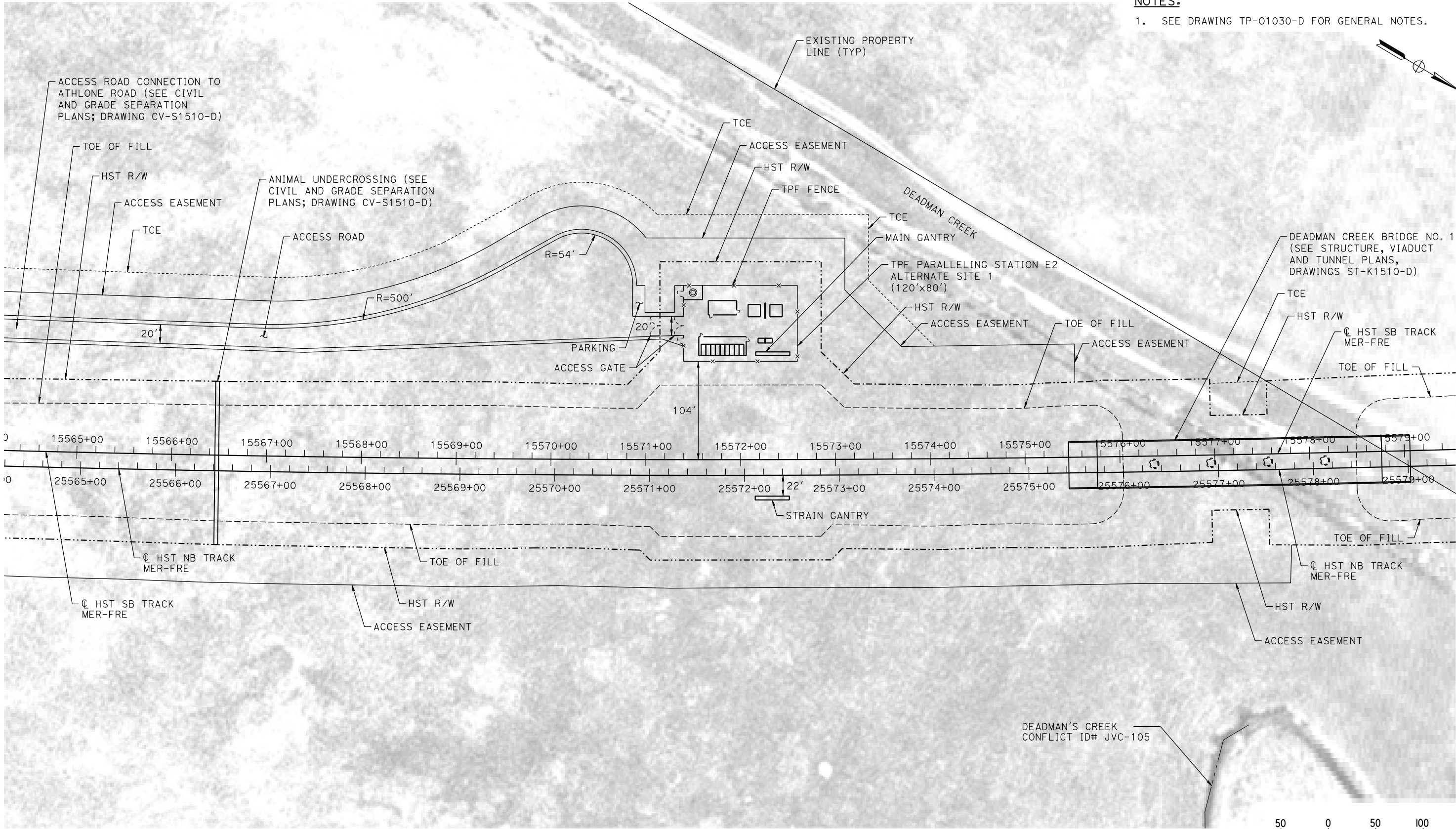
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E1 ALTERNATE SITES 1 & 2

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

MERCED COUNTY

NOTES:

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



PLAN

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

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
| DATE 09/09/2016 |

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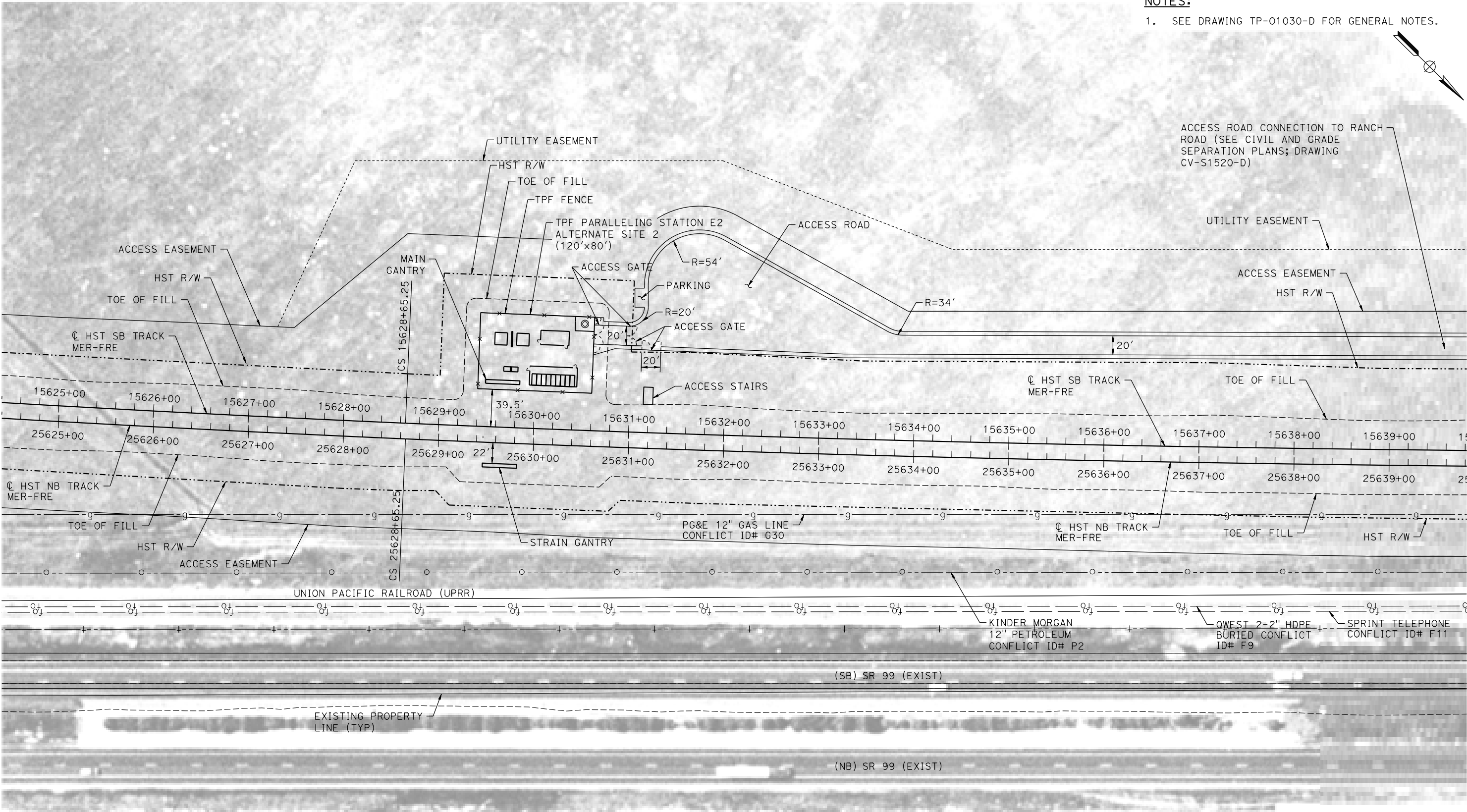
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 1

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

MERCED COUNTY

NOTES:

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



PLAN



p0042226 14-AUG-2016 07:15 MF-TP-01520-D.dgn

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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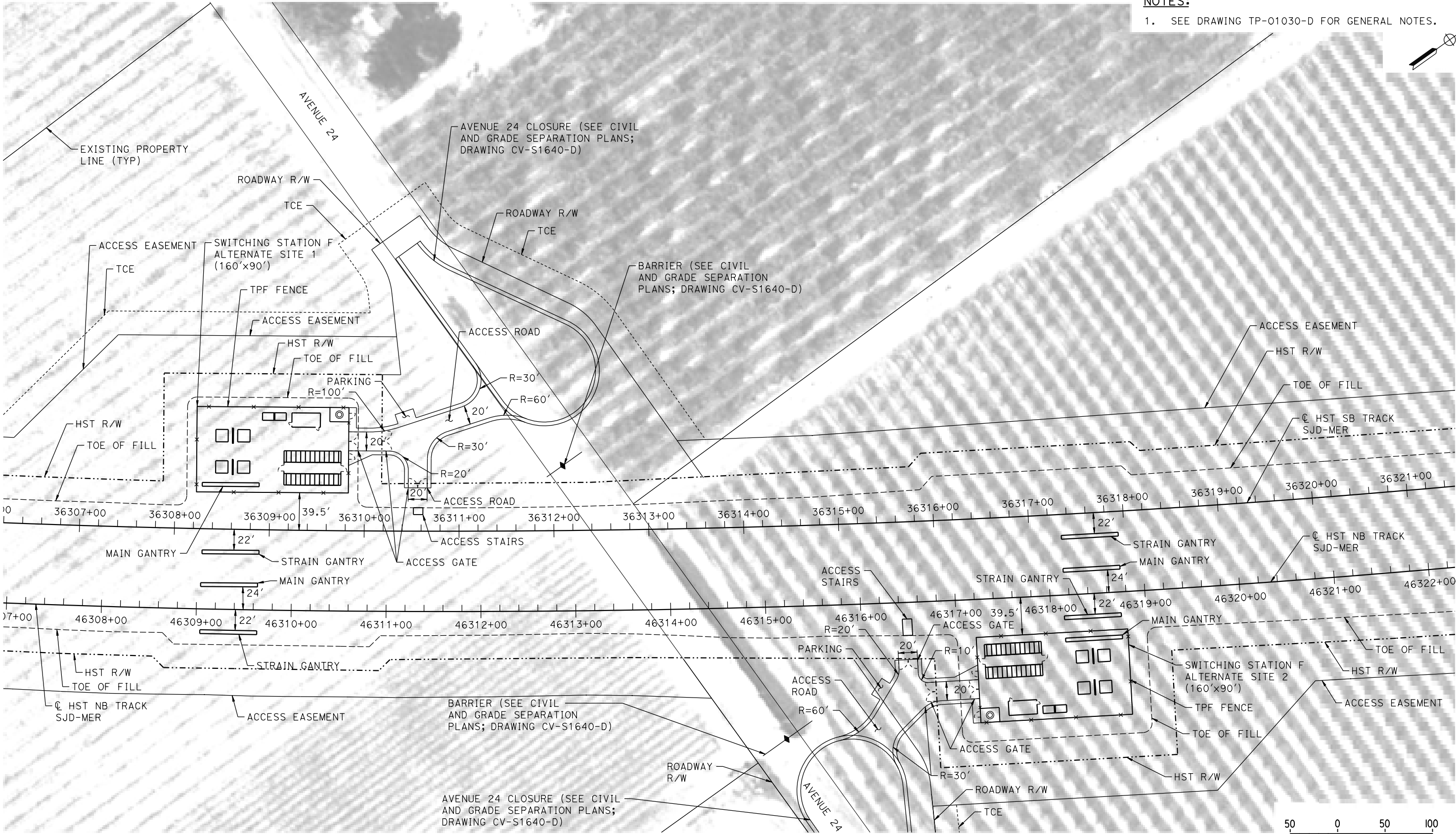
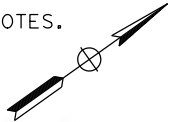
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION E2 ALTERNATE SITE 2

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| 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

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| 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



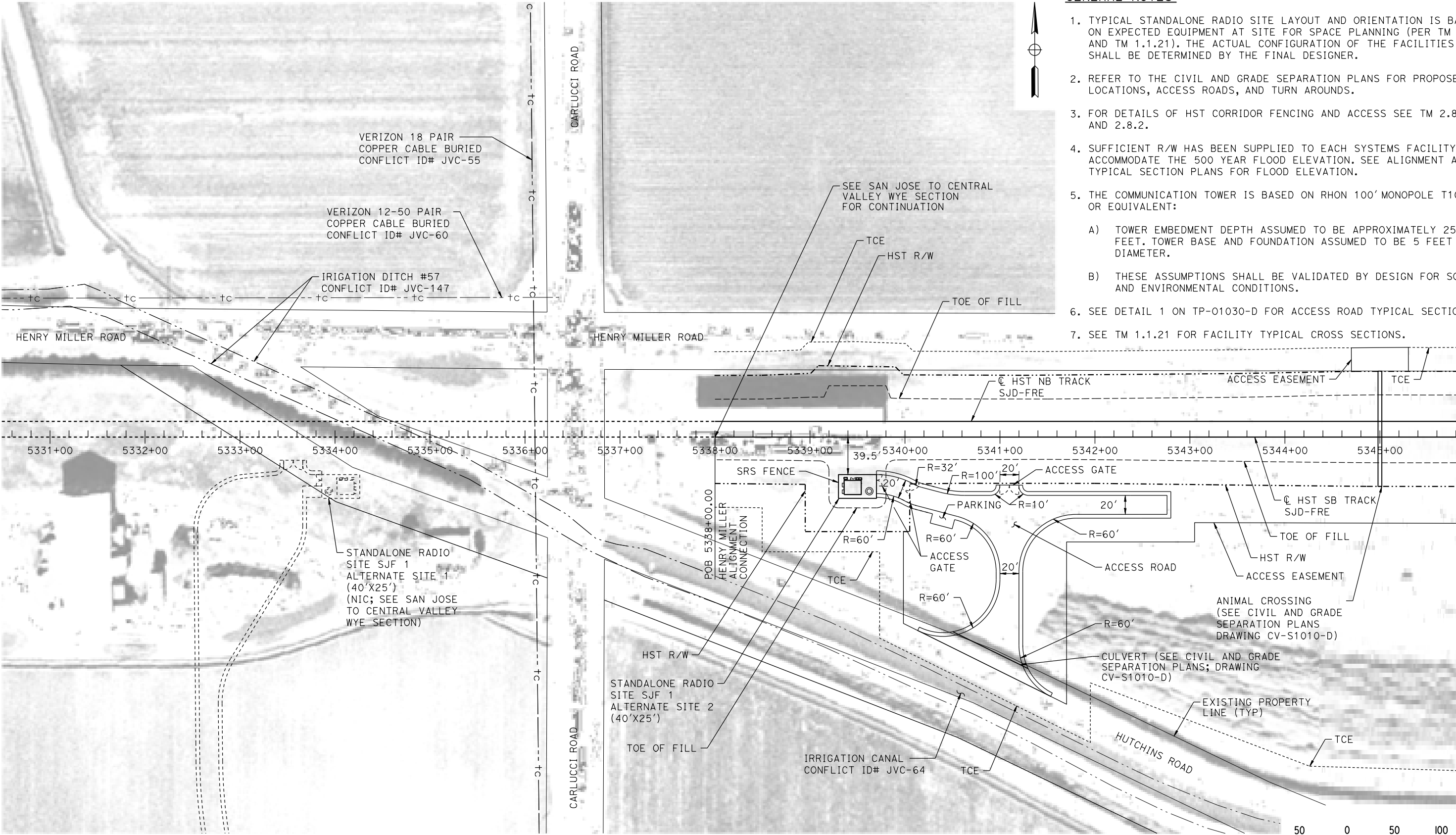
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
SWITCHING STATION F ALTERNATE SITES 1 & 2

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| 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

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

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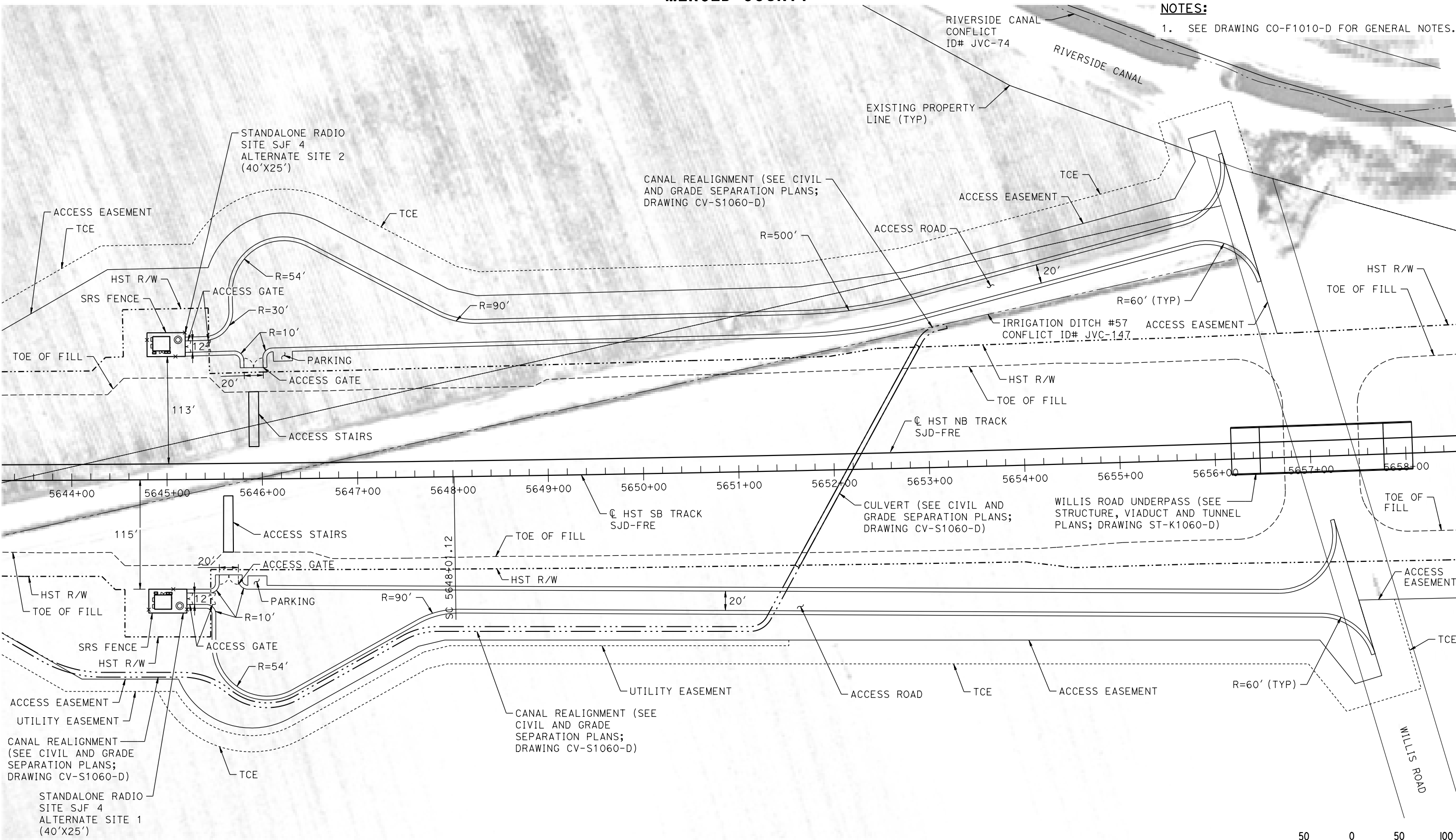
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 1 ALTERNATE SITES 1 & 2

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| CONTRACT NO. | HSR08-05 |
| DRAWING NO. | CO-F1010-D |
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| SHEET NO. | |

MERCED COUNTY

NOTES:

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



PLAN

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

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



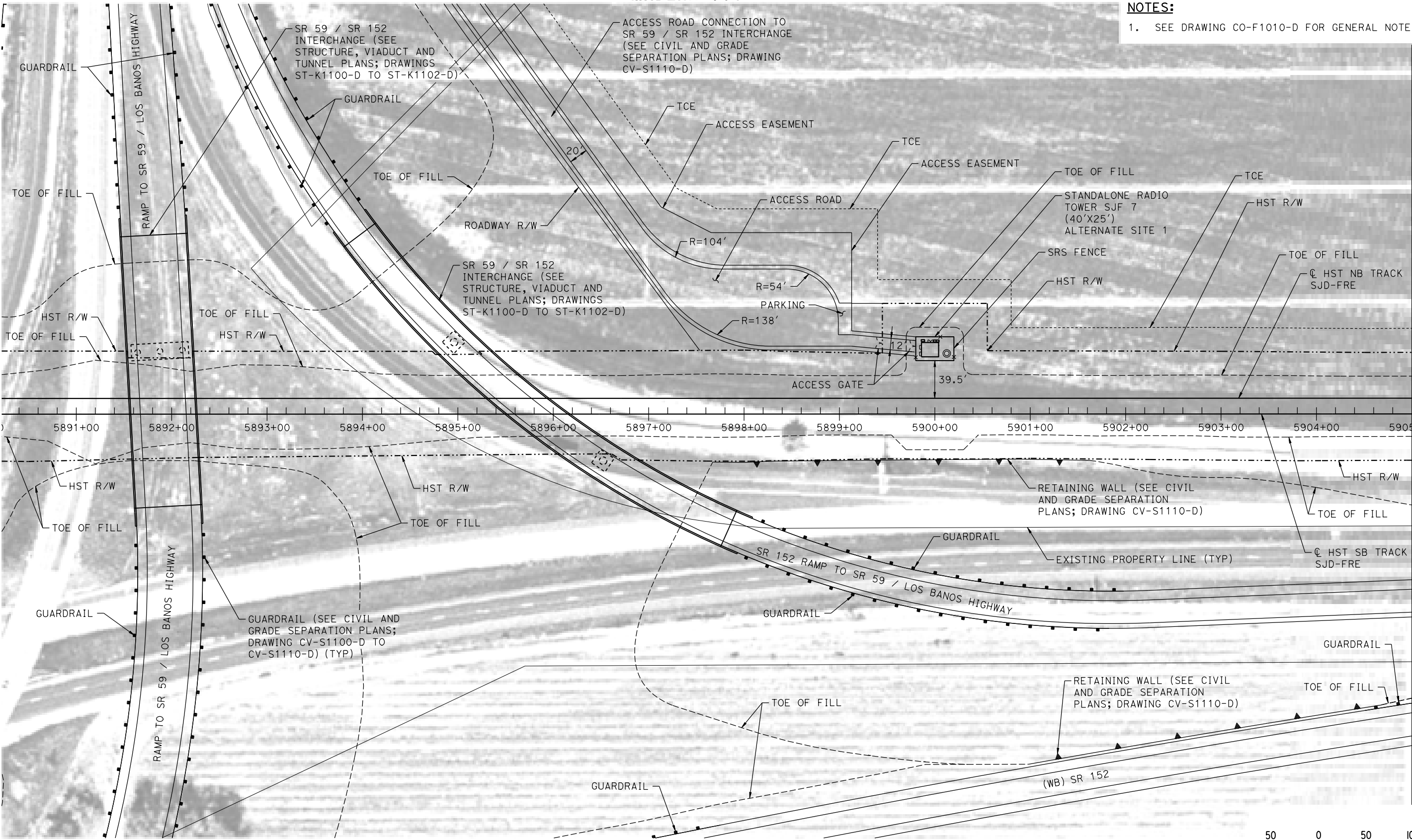
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 4 ALTERNATE SITES 1 & 2

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

30-AUG-2016 21:35 MF-CO-F1060-D.dgn

MADERA COUNTY

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



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

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CONSTRUCTION

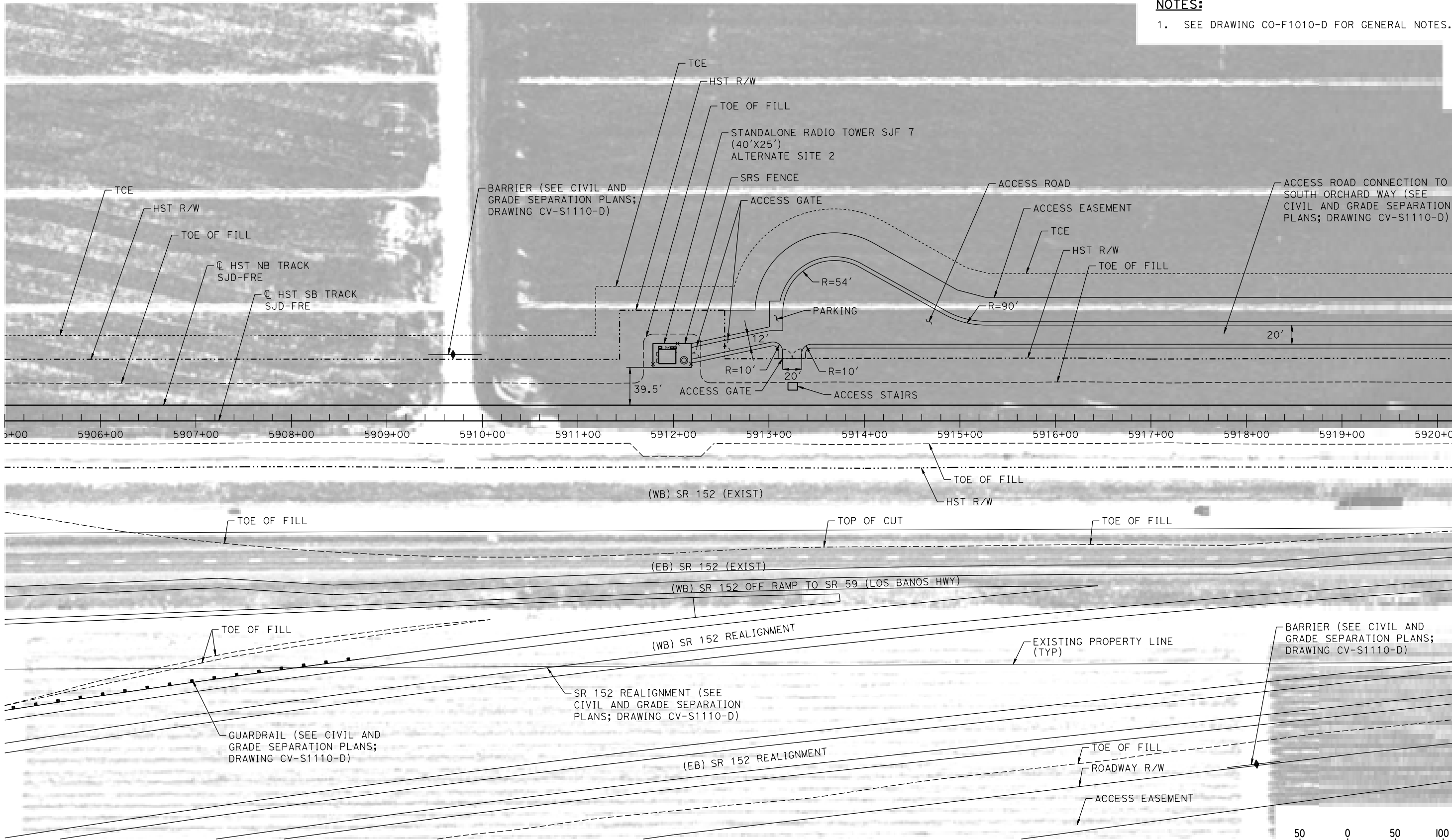


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 7 ALTERNATE SITE 1

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

MADERA COUNTY

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



PLAN

p0042226 14-AUG-2016 07:08 MF-CO-F1111-D.dgn

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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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SUBMITTAL

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CONSTRUCTION



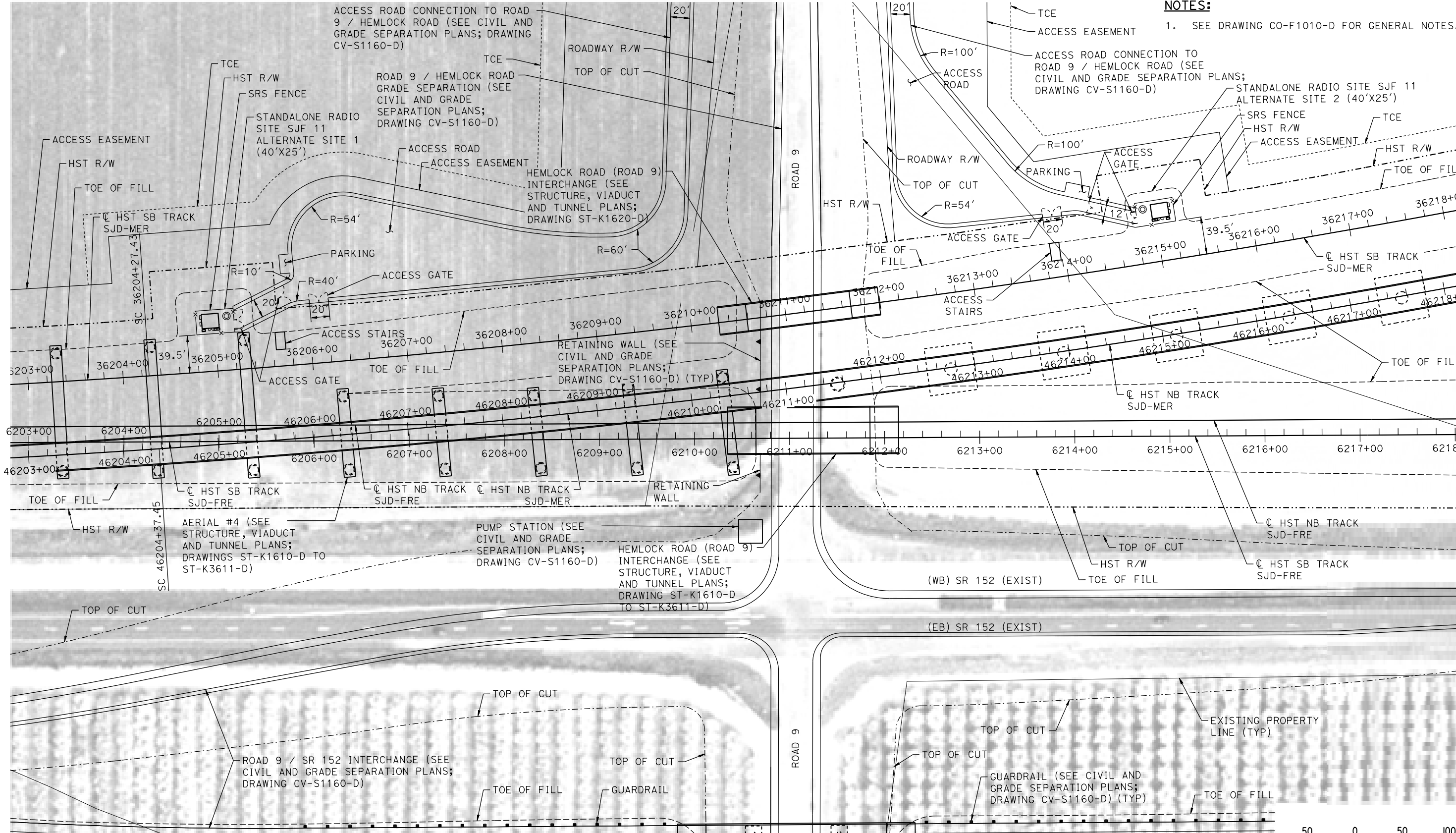
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

MADERA COUNTY

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



PLAN



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

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

RECORD SET
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NOT FOR
CONSTRUCTION

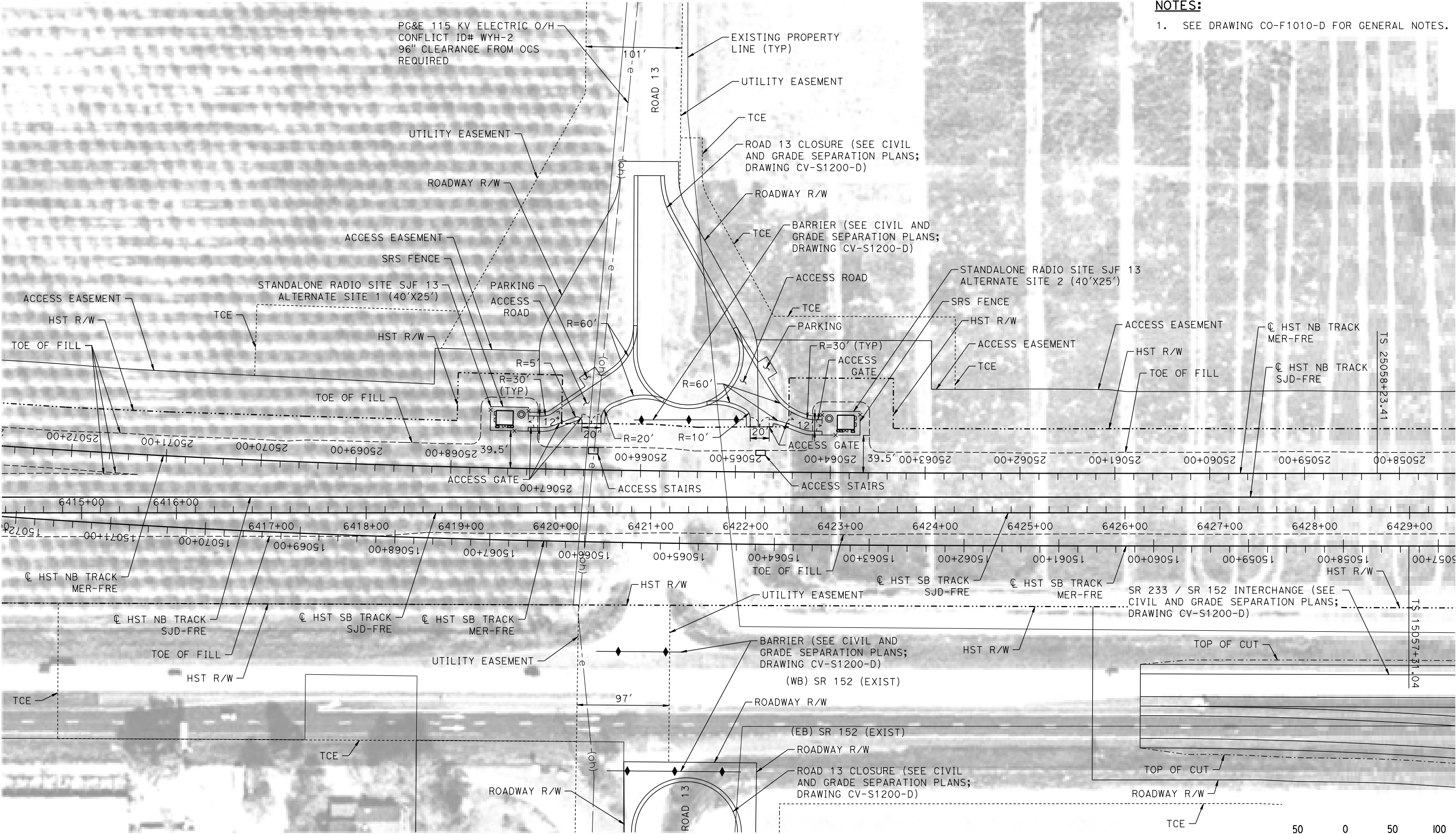


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 11 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

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



PLAN

MF-CO-F1200-D.dgn
14-AUG-2016 07:09
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| DESIGNED BY K. MA |
| DRAWN BY H. MCINNIS |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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CONSTRUCTION



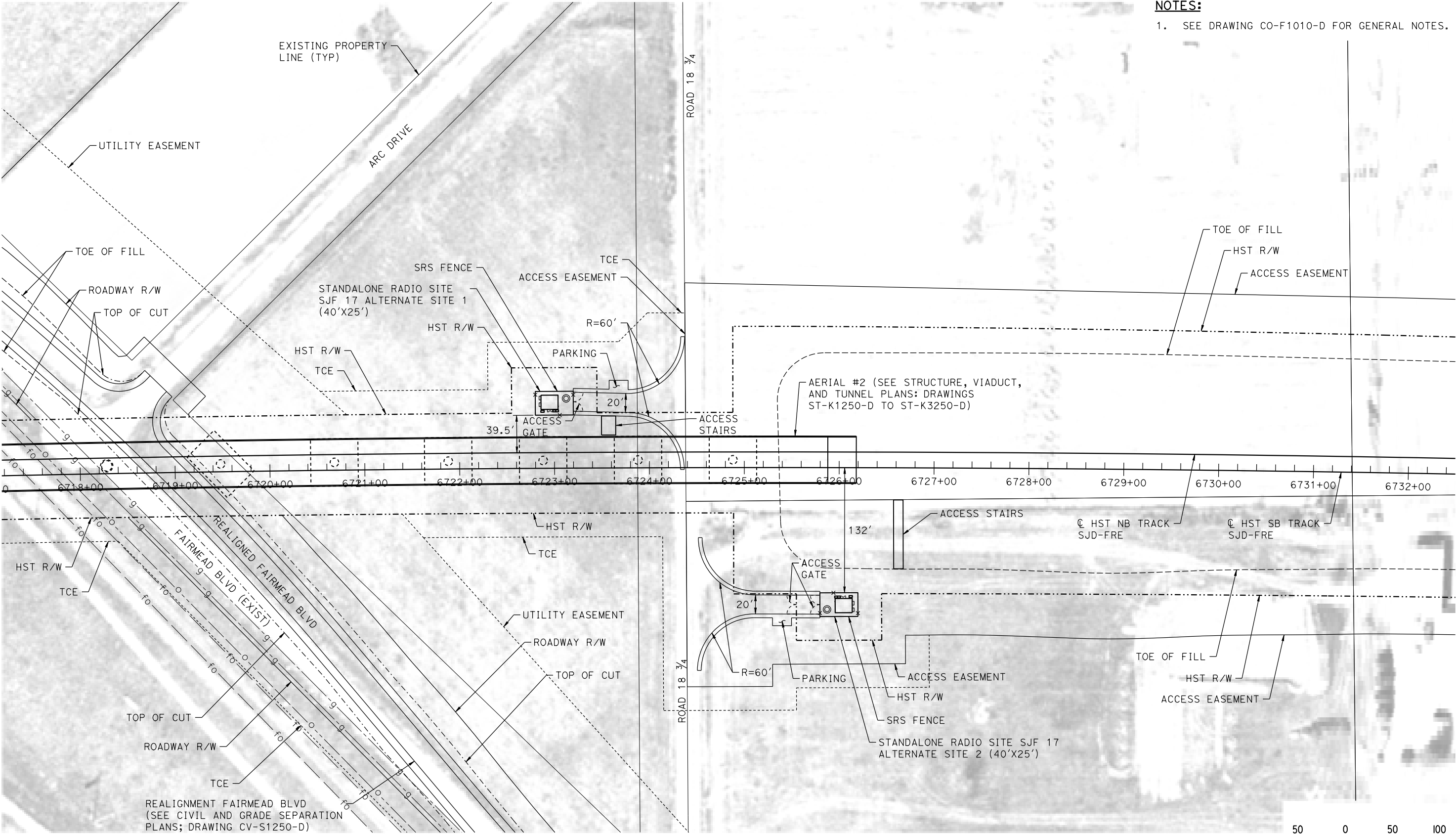
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 13 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

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

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| DATE 08/12/2016 |

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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

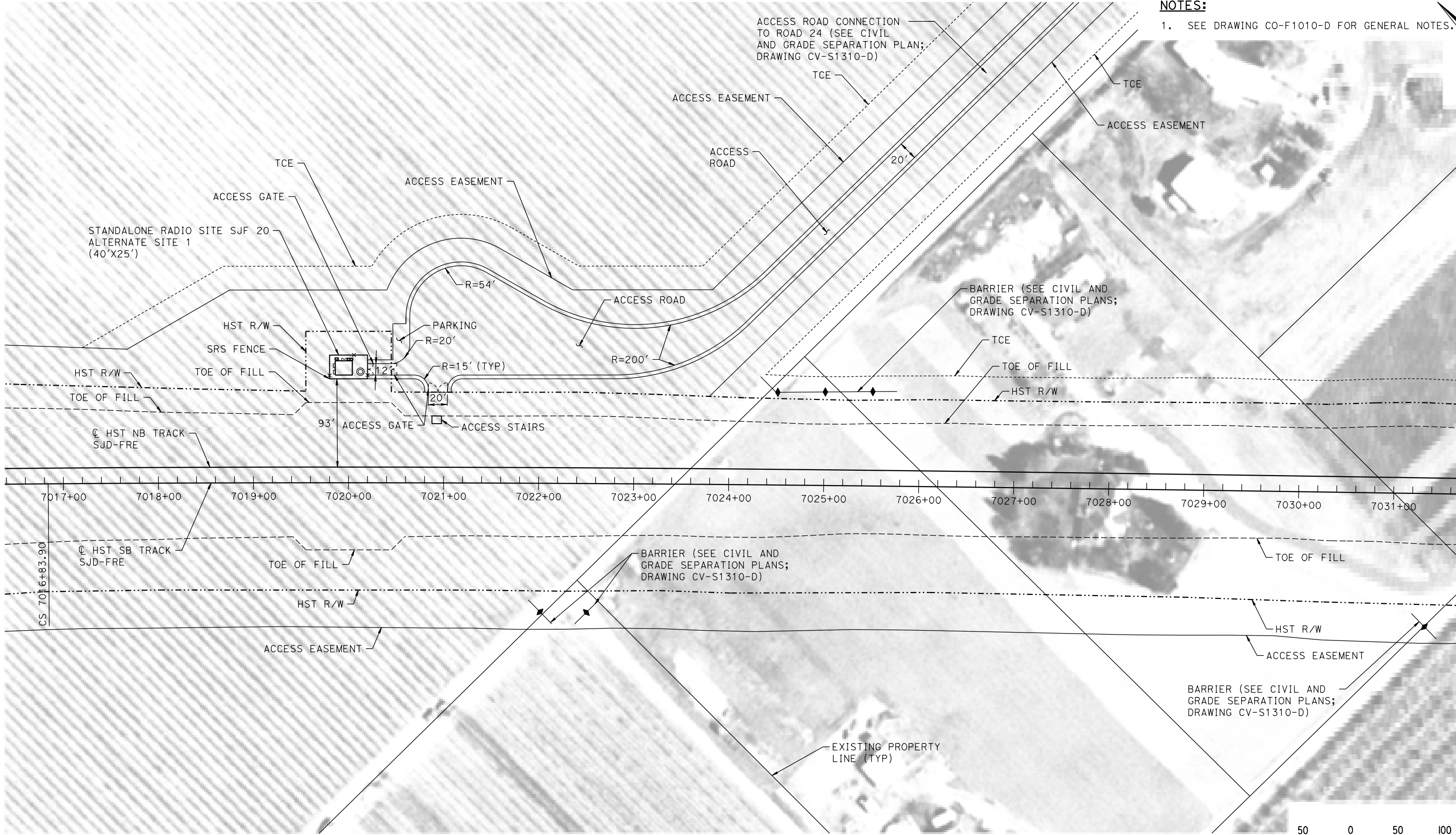
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 17 ALTERNATE SITES 1 & 2

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

MADERA COUNTY

NOTES:

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



PLAN

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

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

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION

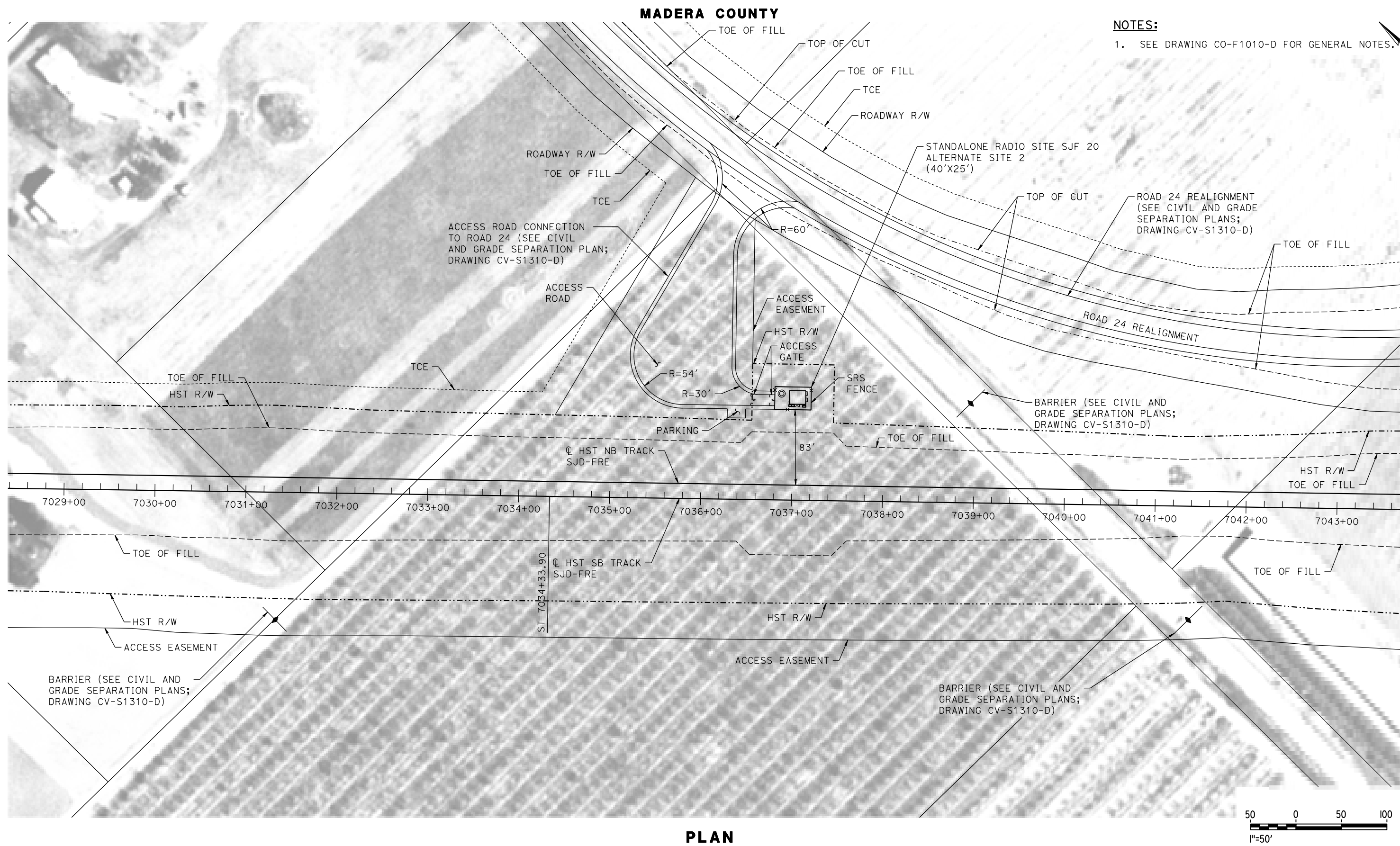


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

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

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

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



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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



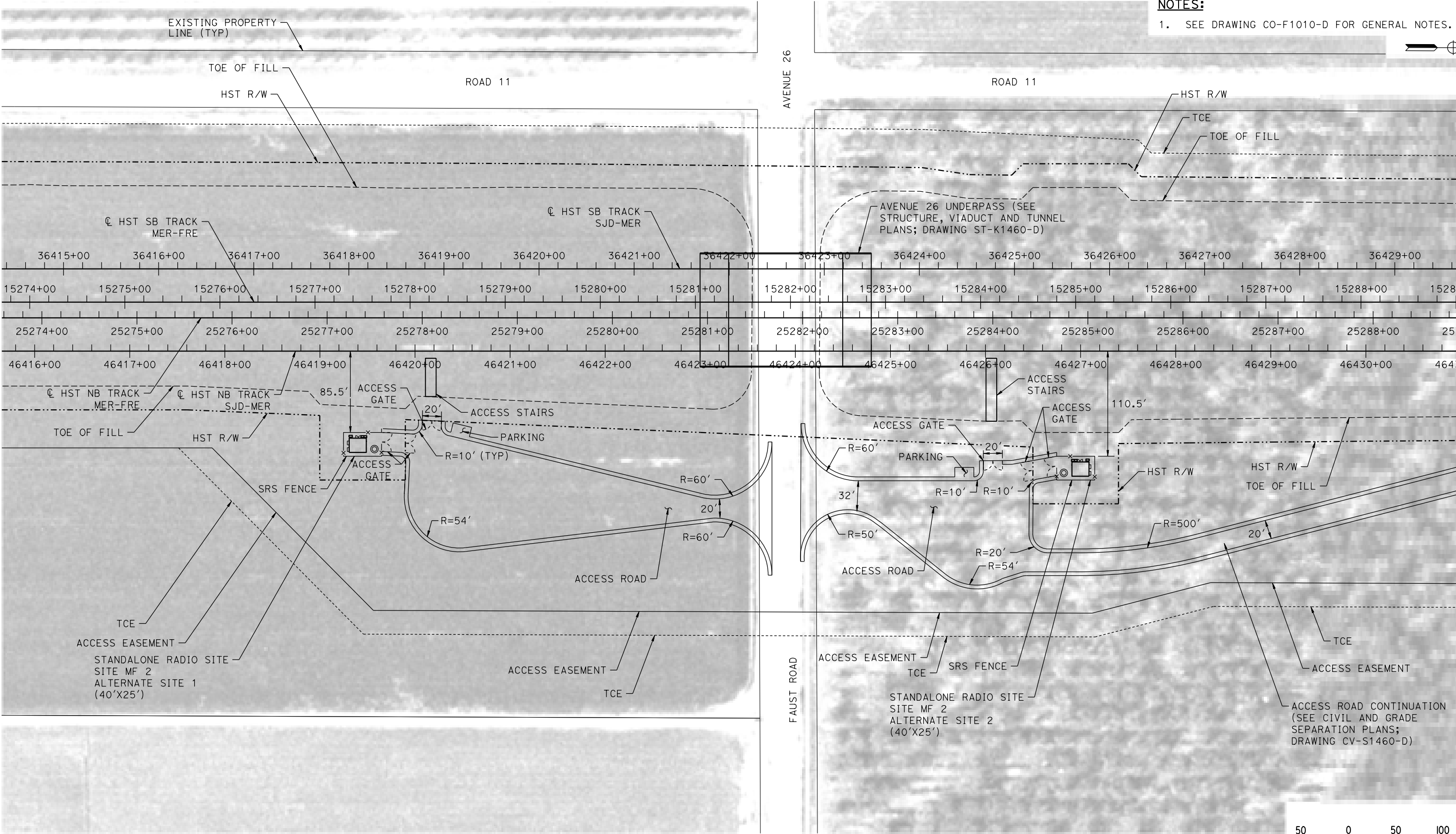
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO TOWER SJF 20 ALTERNATE SITE 2

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

MADERA COUNTY

NOTES:

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



PLAN

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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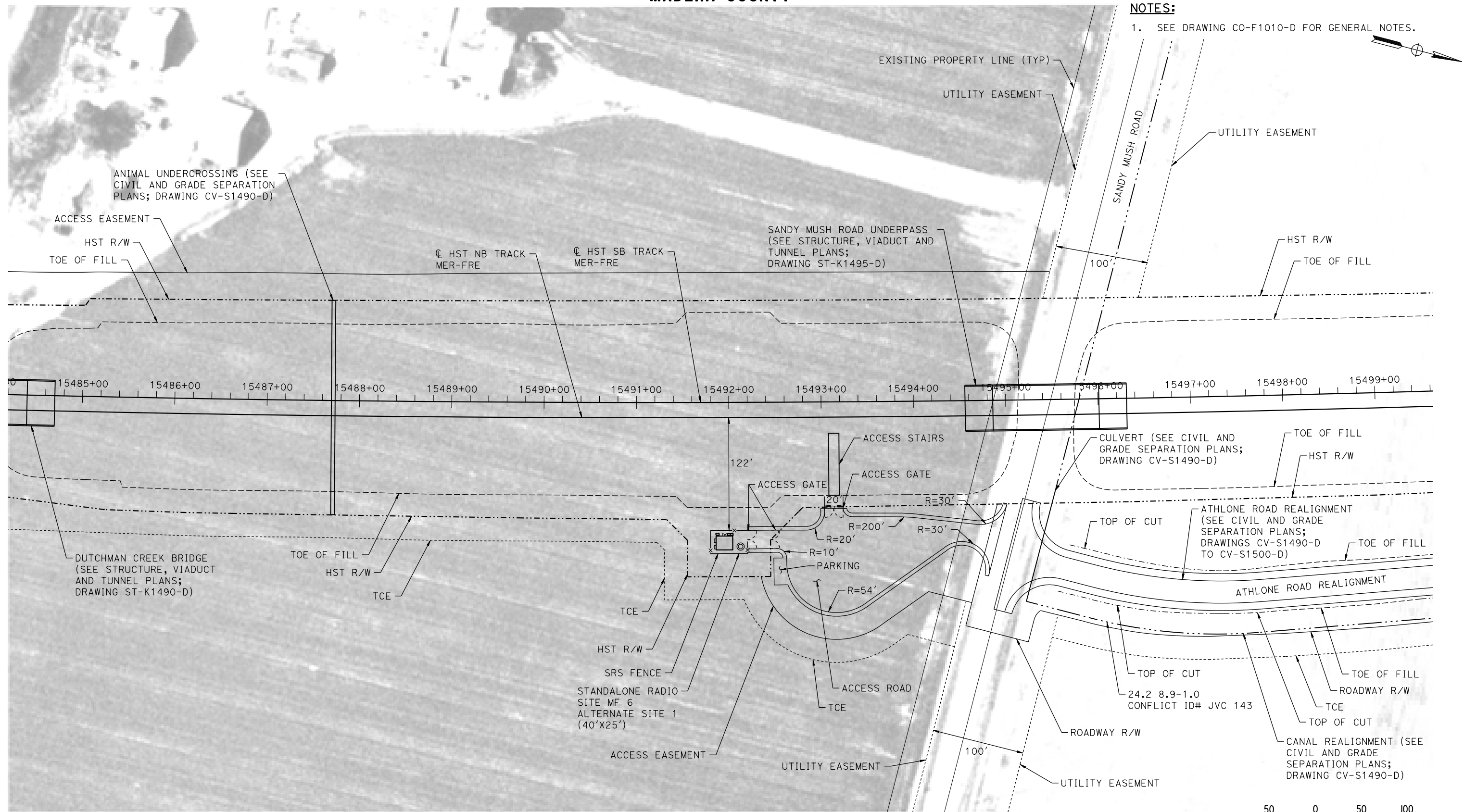
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 2 ALTERNATE SITES 1 & 2

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| CONTRACT NO. HSR08-05 |
| DRAWING NO. CO-F1460-D |
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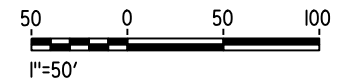
MADERA COUNTY

NOTES:

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



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| 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**

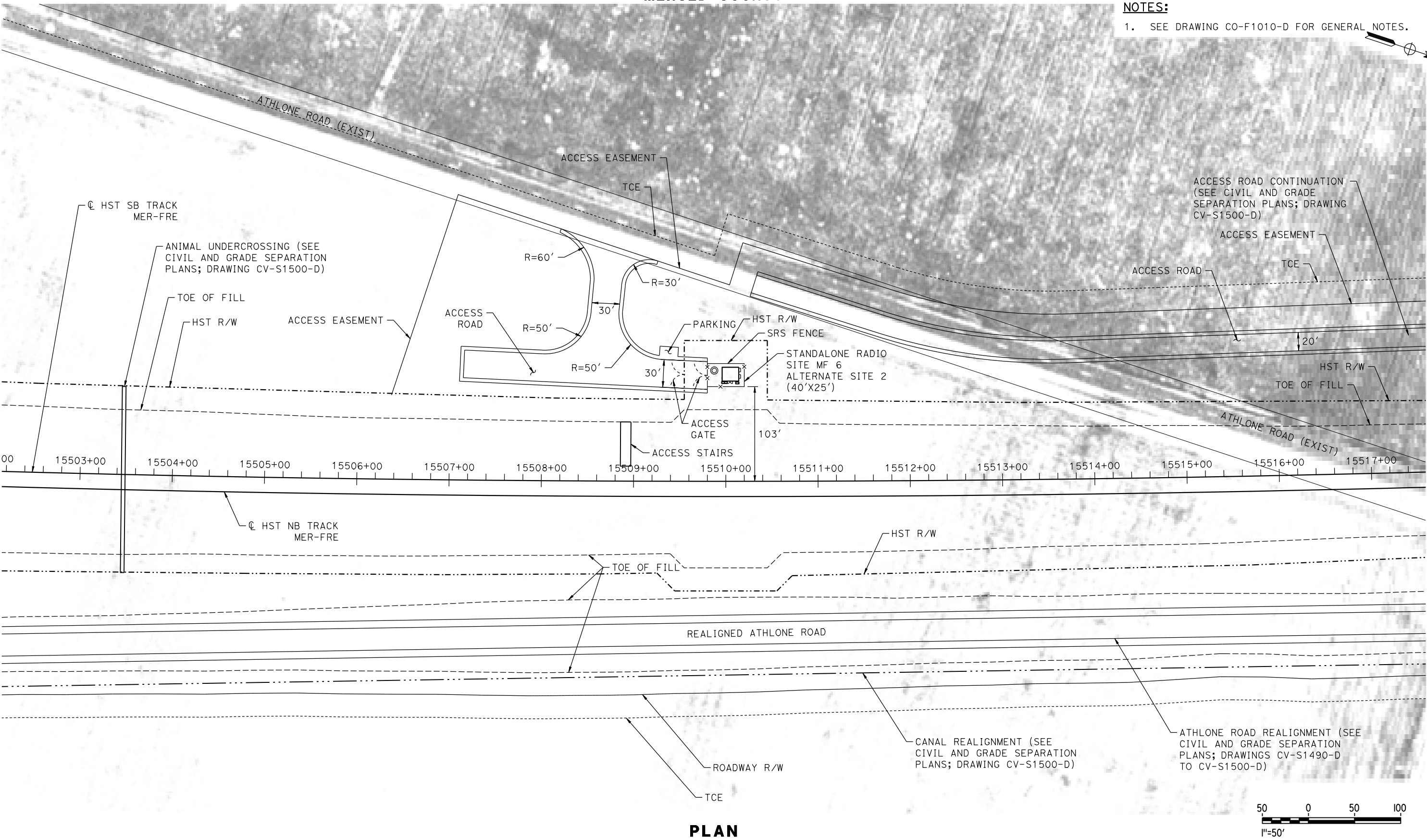
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 6 ALTERNATE SITE 1

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| 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

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| 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



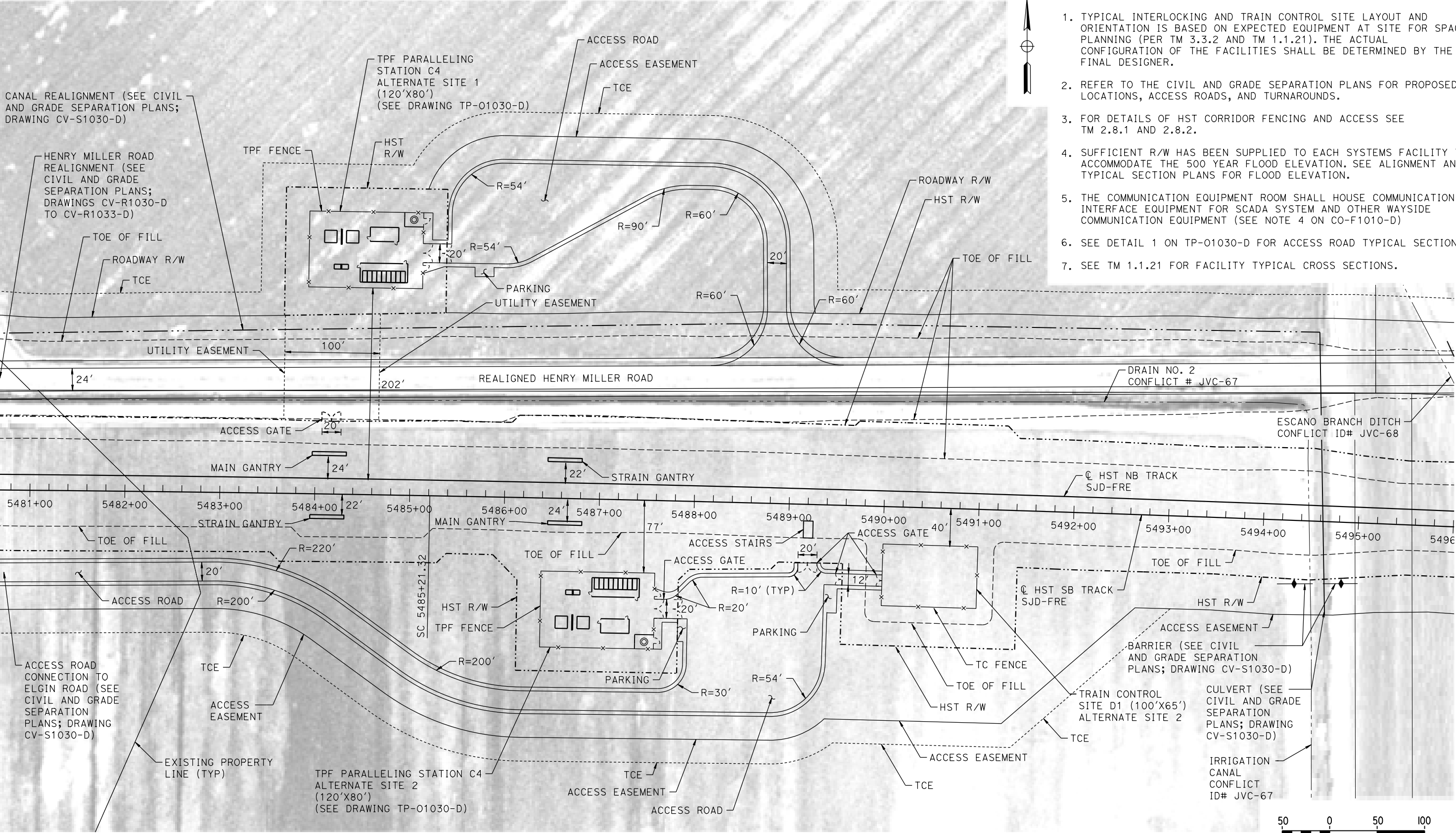
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE MF 6 ALTERNATE SITE 2

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| 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

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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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NOT FOR
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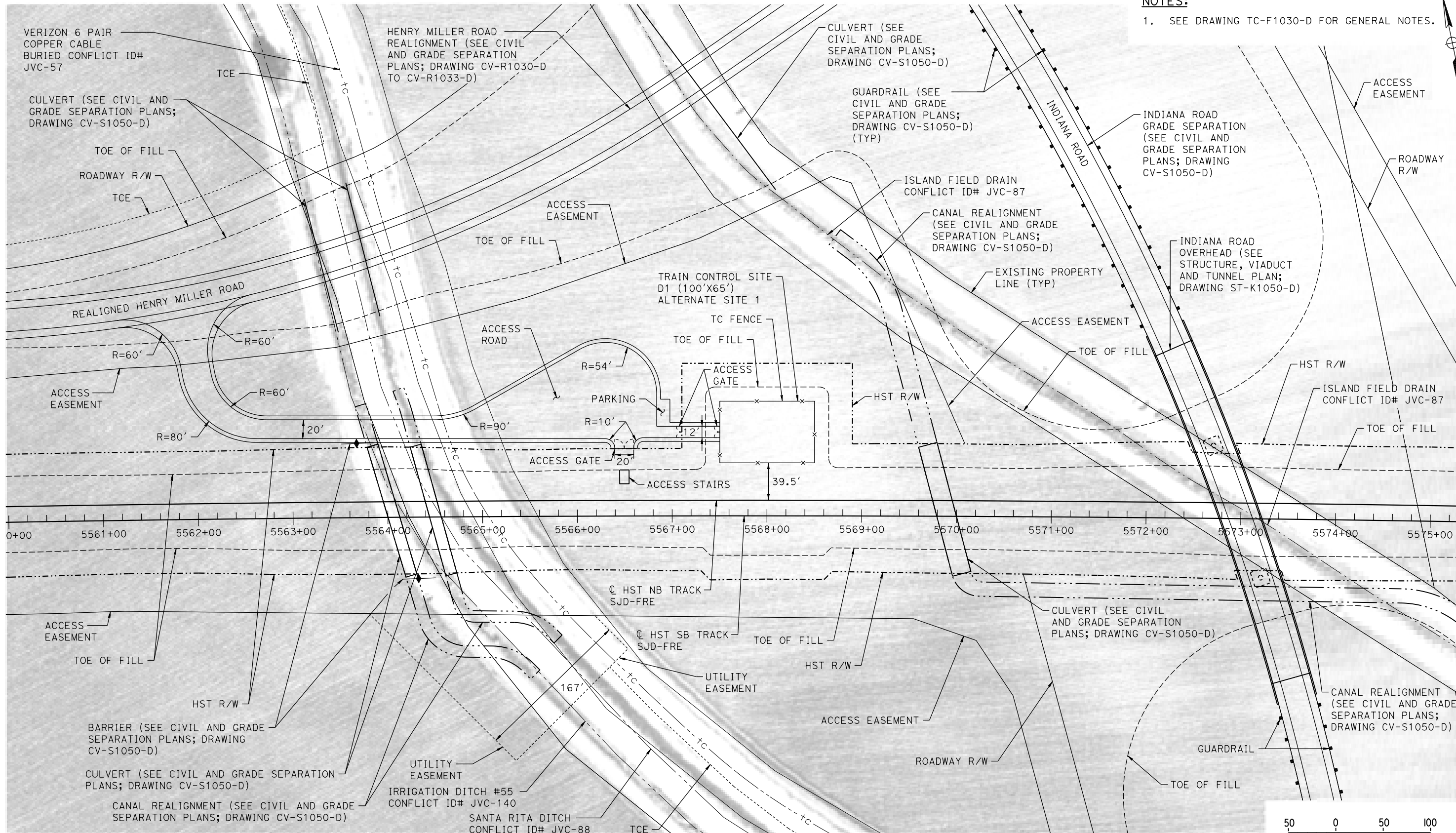
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 2

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| 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

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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

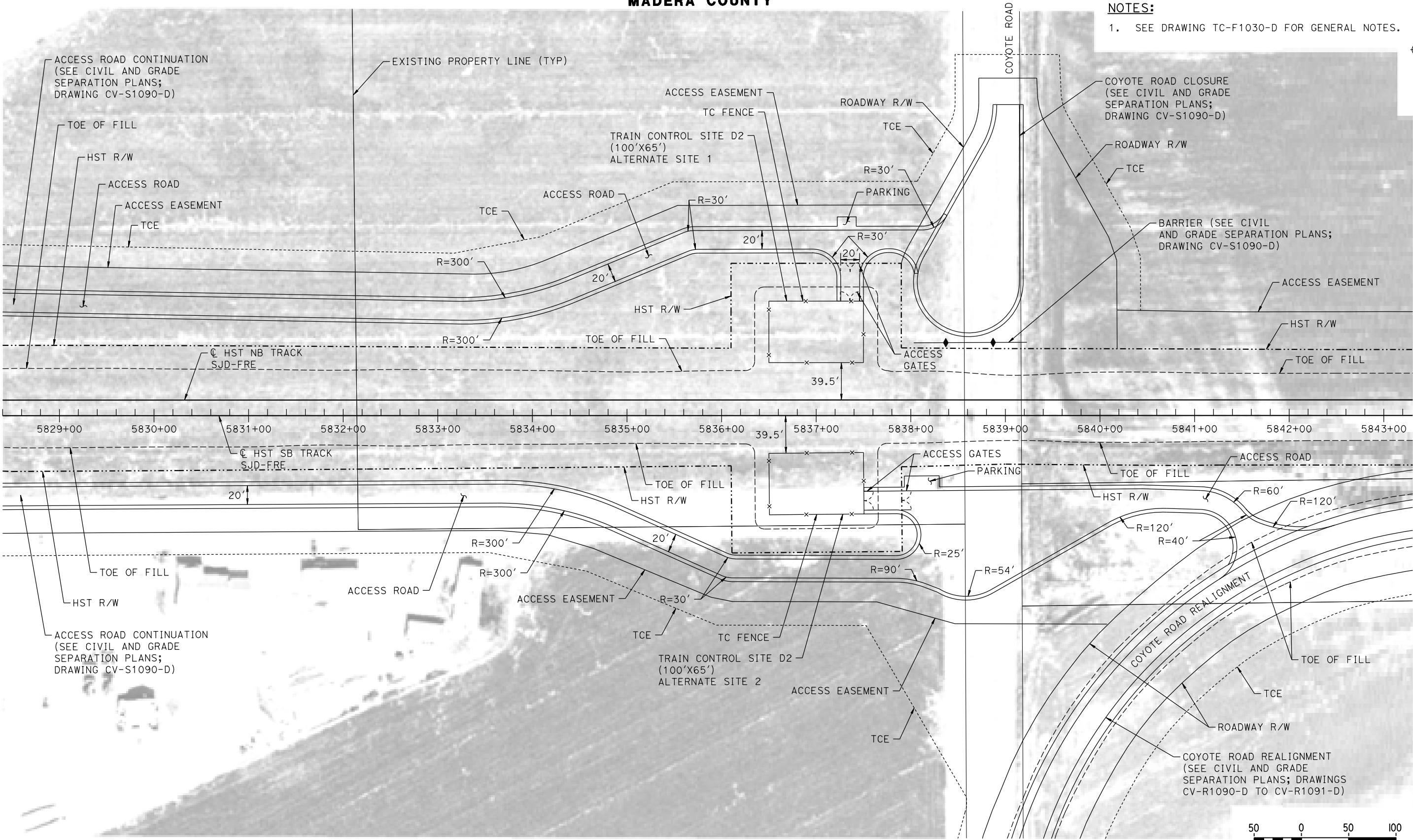
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D1 ALTERNATE SITE 1

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| 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

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| DESIGNED BY K. MA |
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| IN CHARGE C. LEMLEY |
| DATE 08/12/2016 |

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NOT FOR
CONSTRUCTION

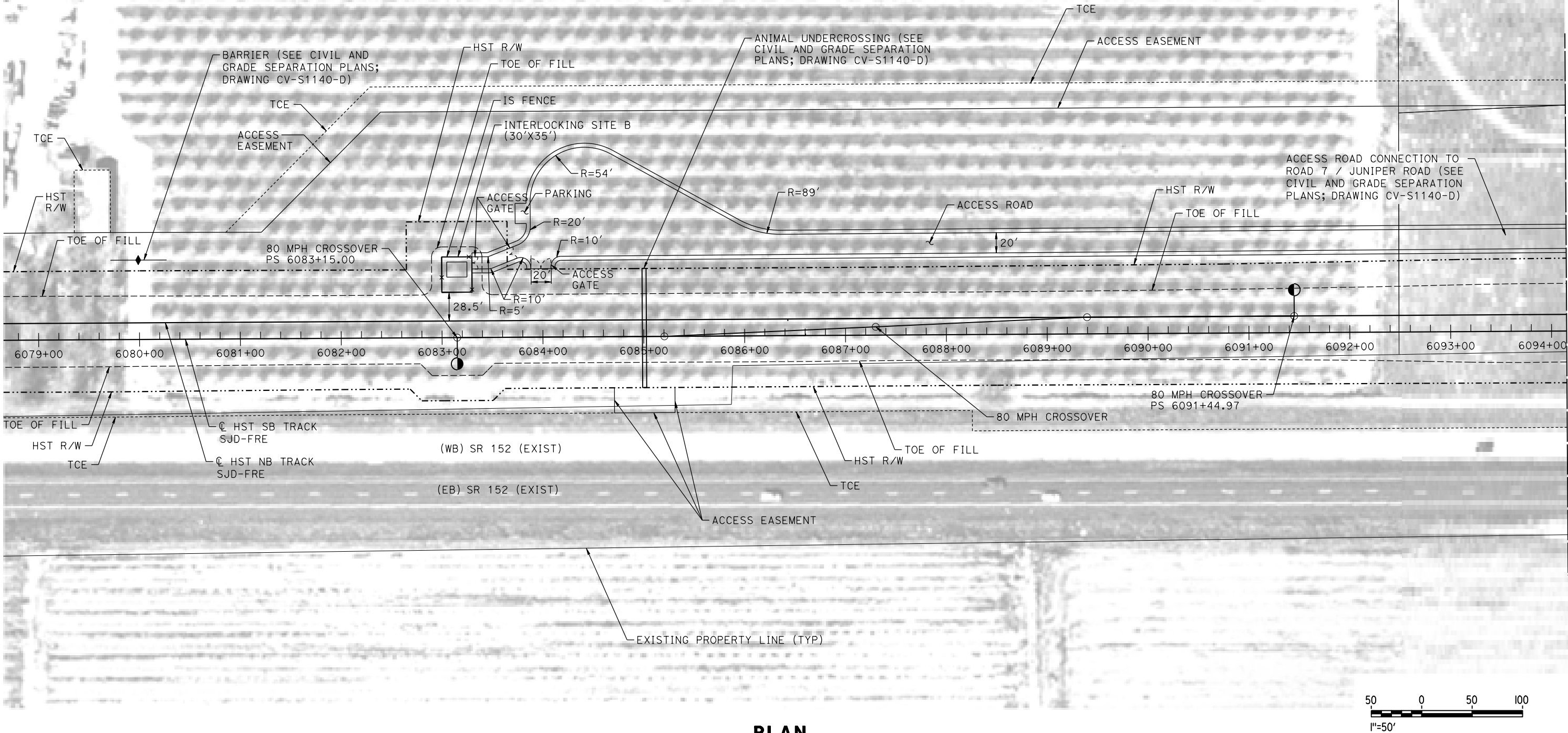


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2

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| 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

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| IN CHARGE C. LEMLEY |
| DATE 09/09/2016 |

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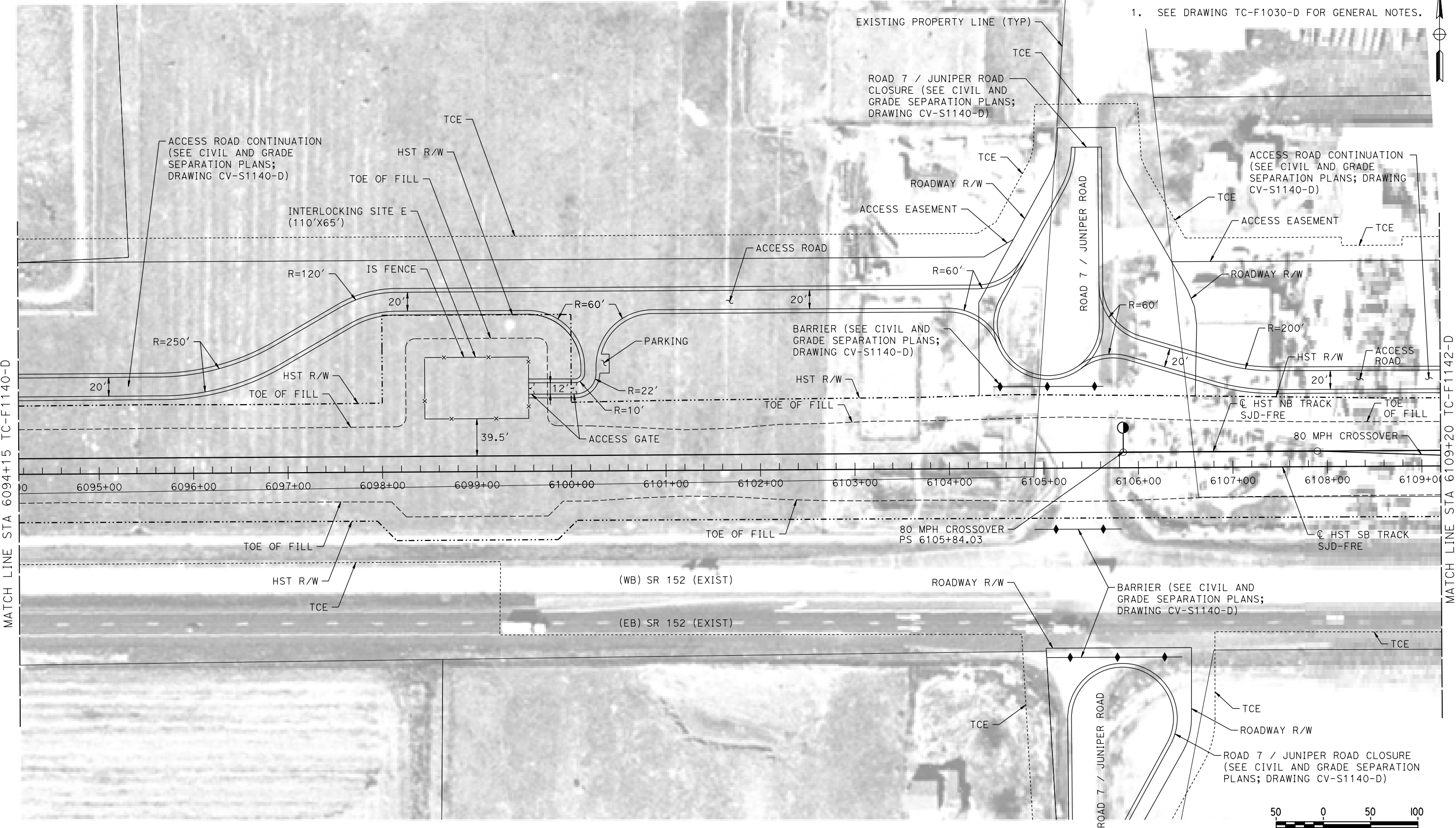
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6083+15

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

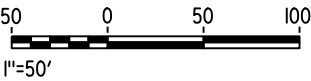
MADERA COUNTY

NOTES:

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



PLAN



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| IN CHARGE C. LEMLEY |
| DATE 09/09/2016 |

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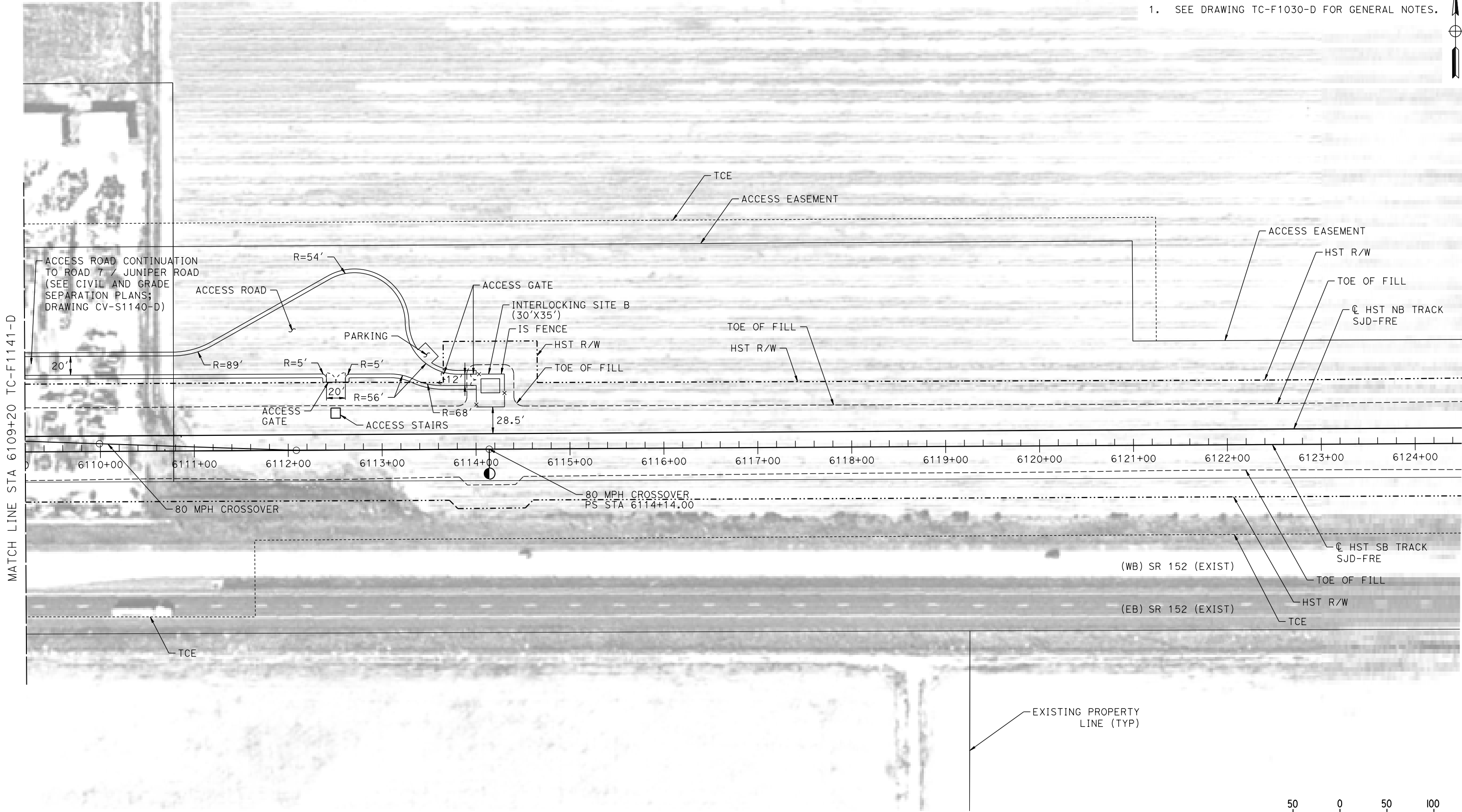
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 6099+00

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| 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

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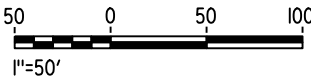
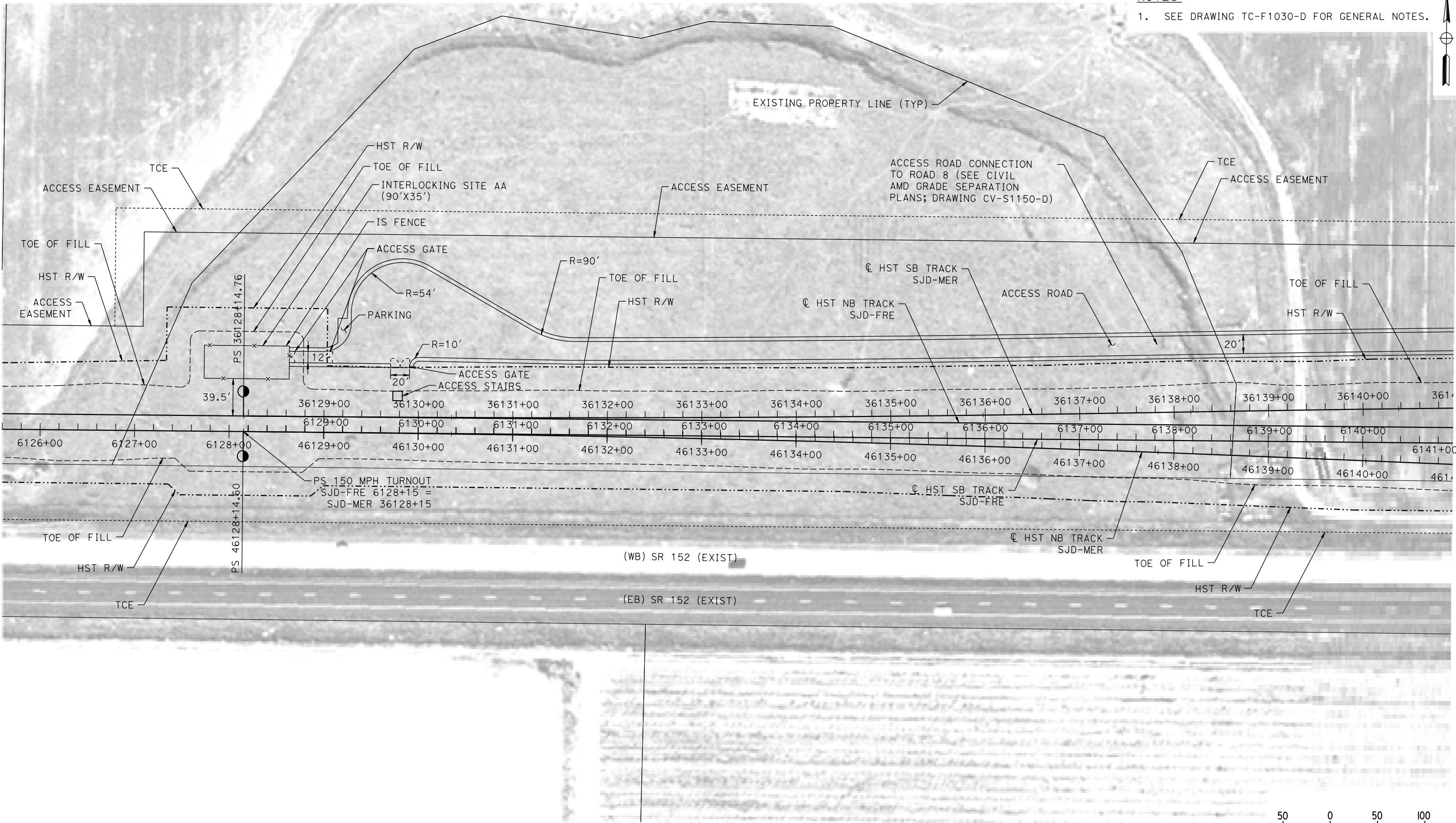


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6114+14

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

MADERA COUNTY

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



PLAN

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

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| 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

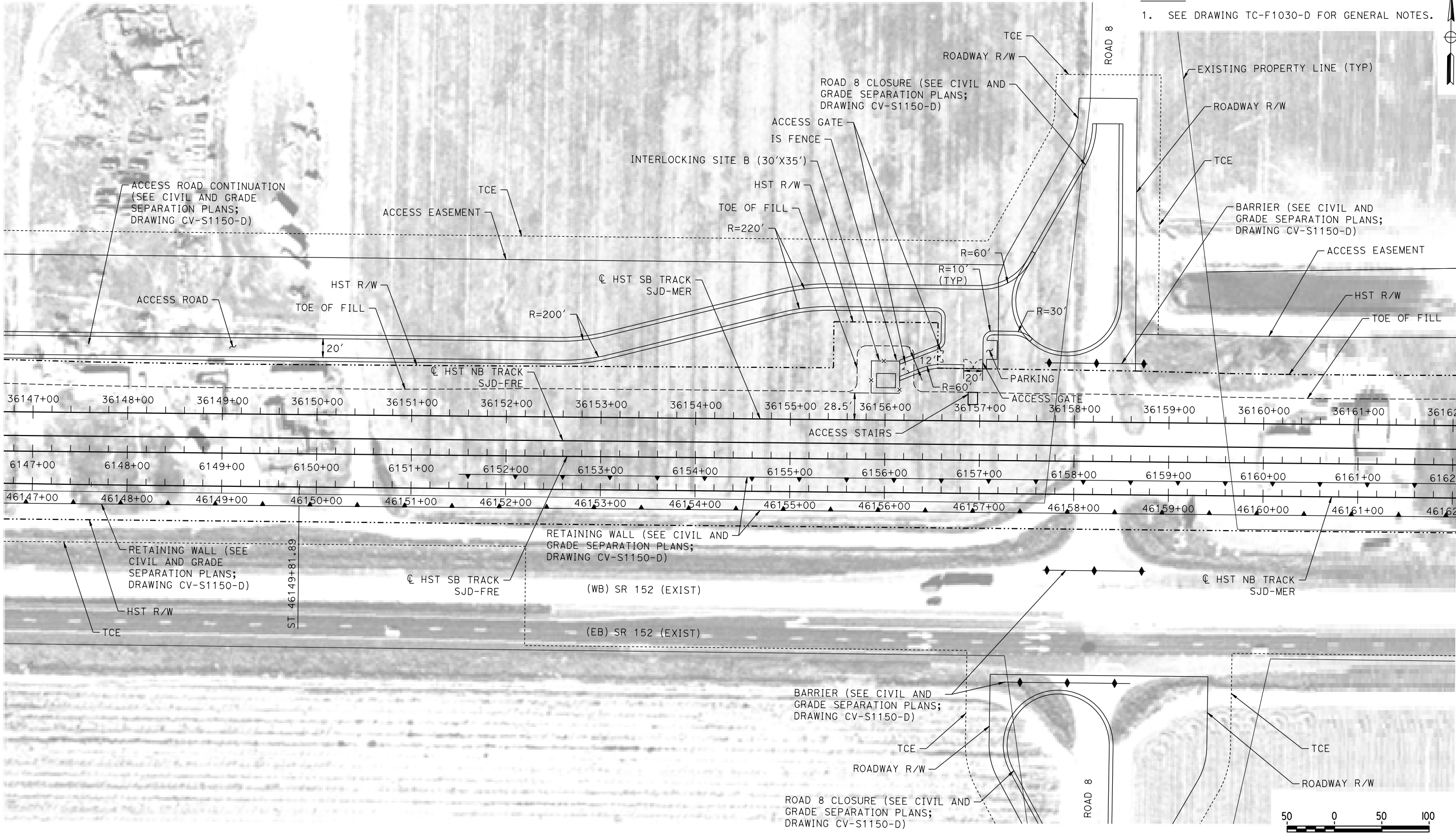


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6128+15

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| 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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



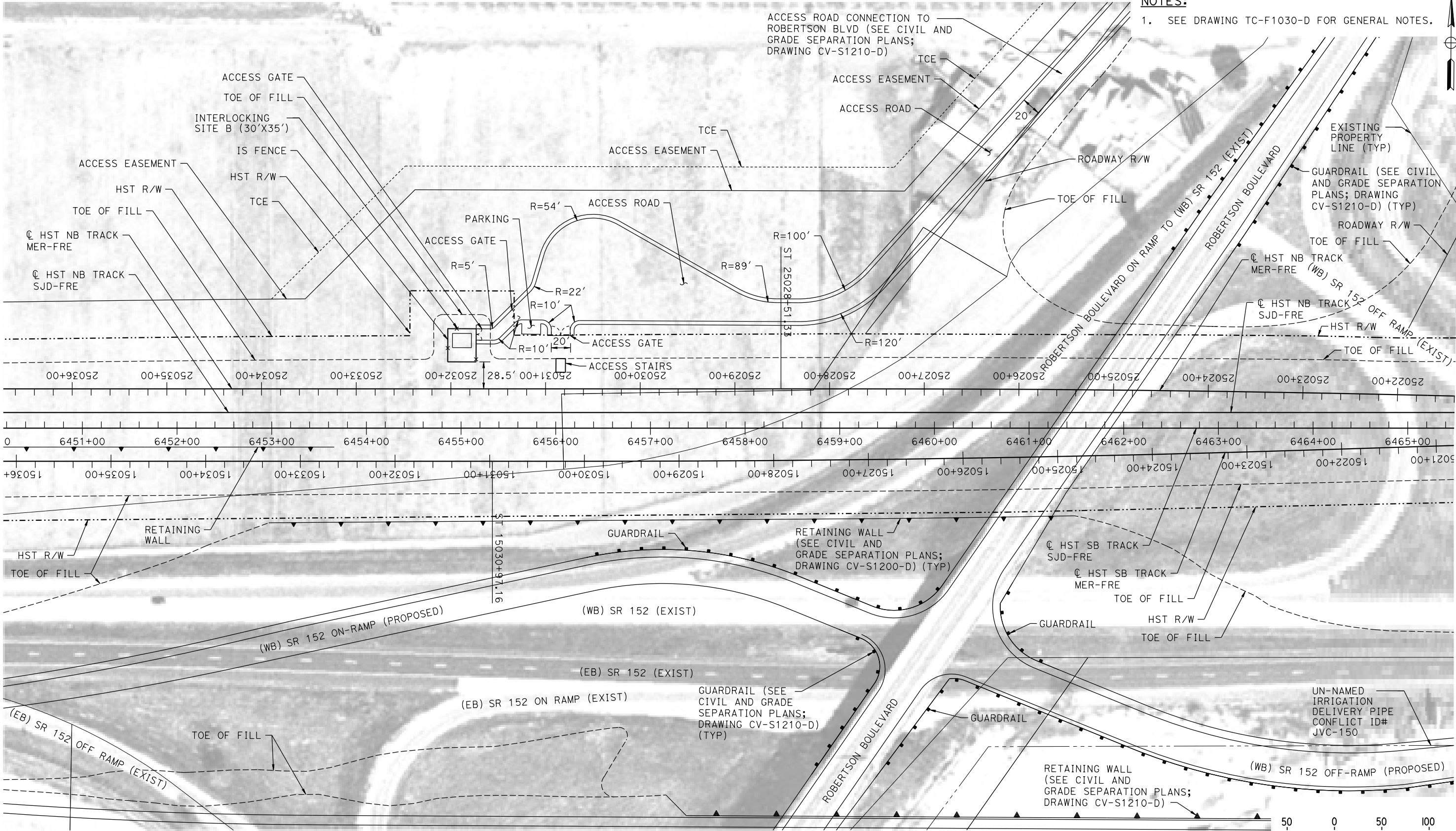
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6156+00

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

MADERA COUNTY

NOTES:

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



PLAN

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

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

RECORD SET
15% DESIGN
SUBMITTAL

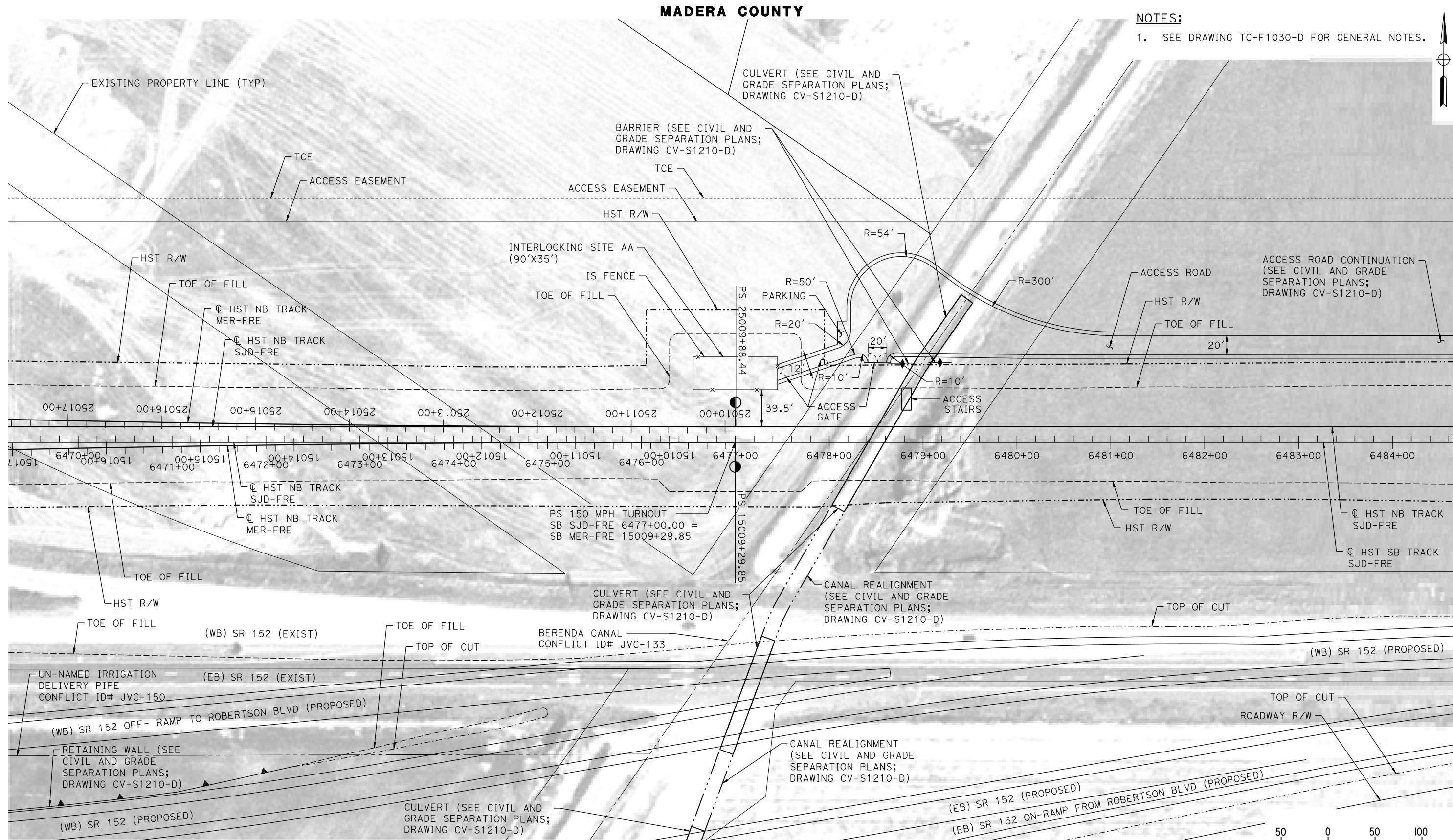
NOT FOR
CONSTRUCTION



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

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

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



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

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| 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**

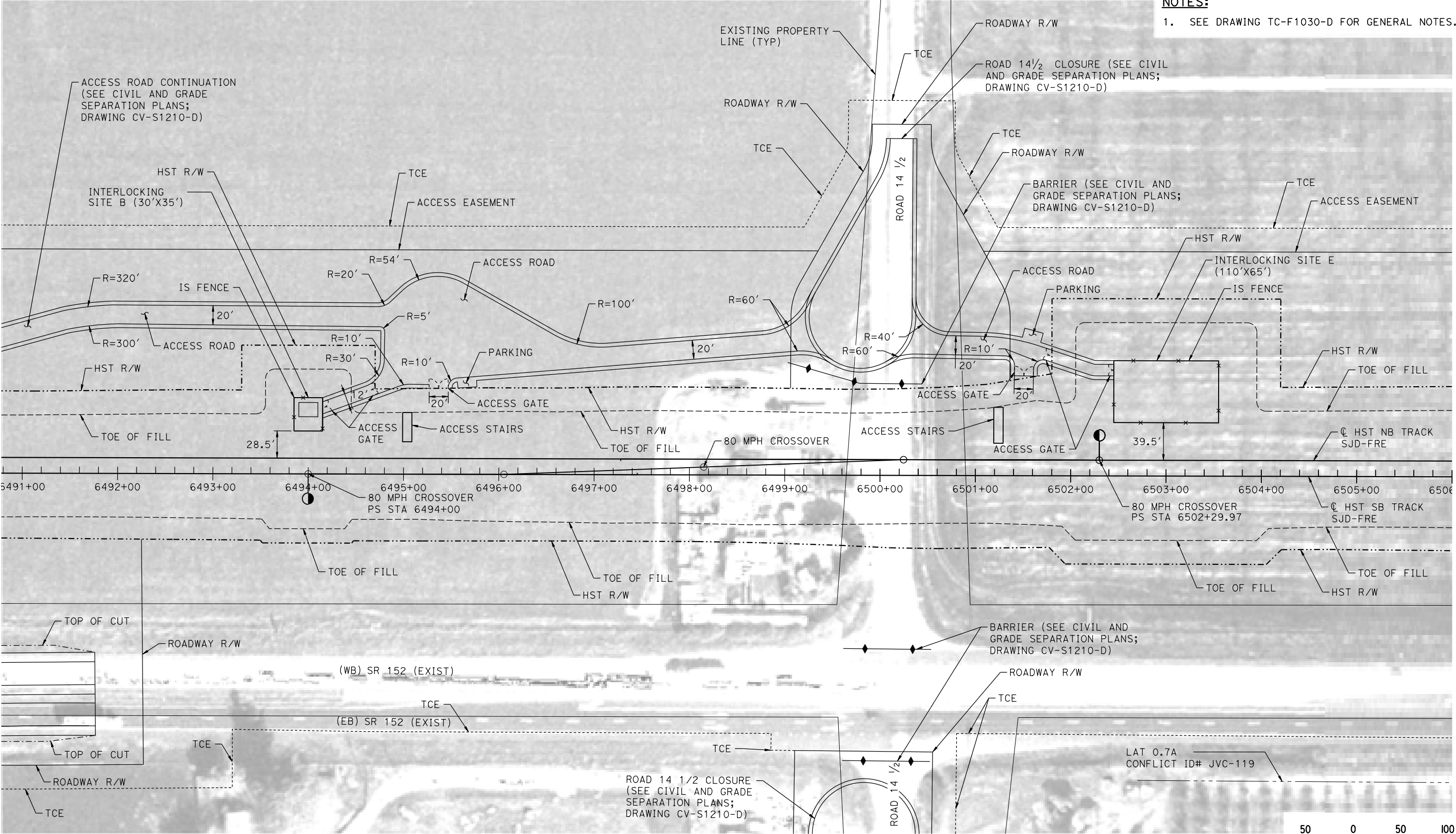
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 6477+00

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| 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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



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

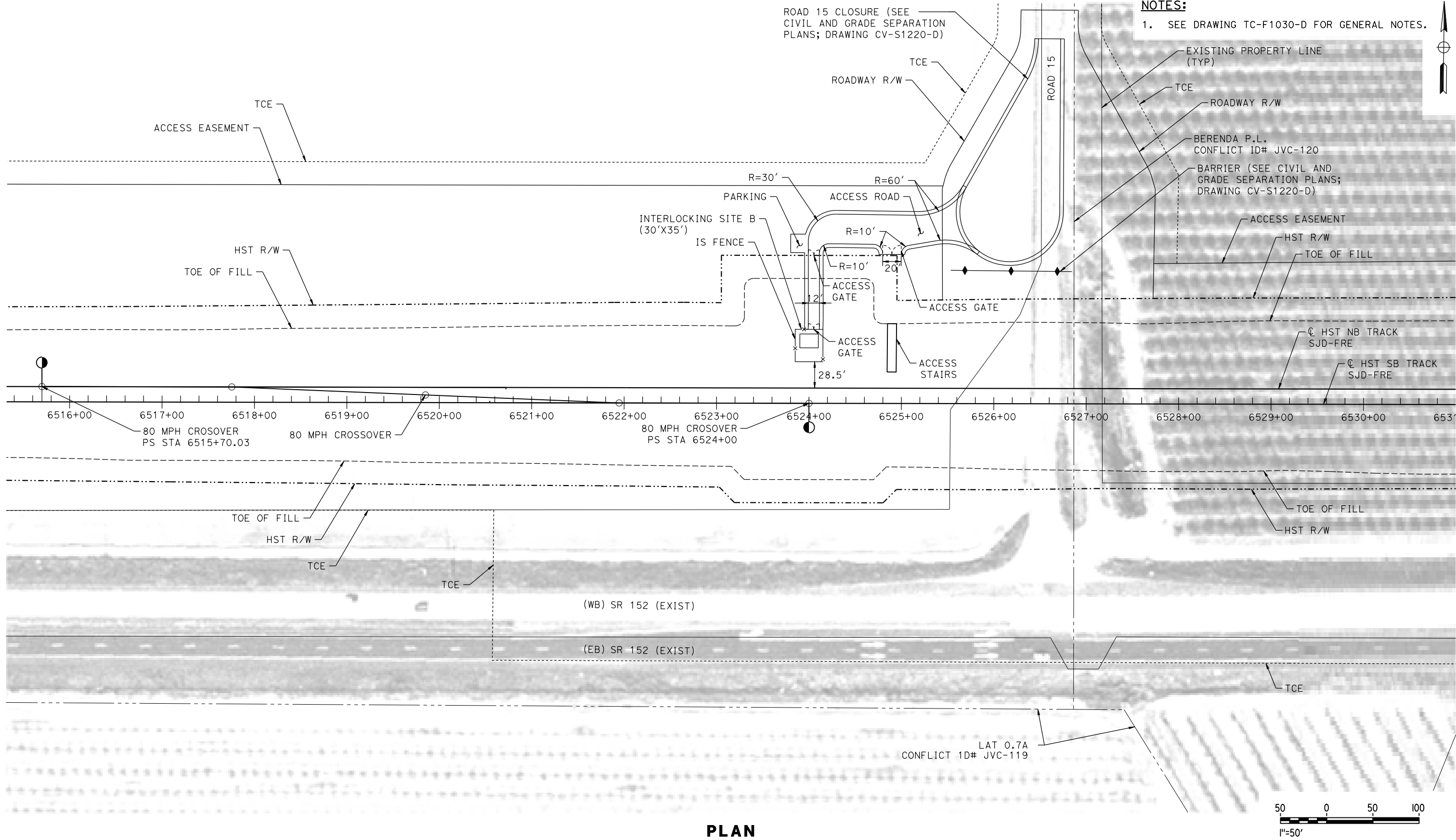
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TC-F1211-D |
| SCALE AS SHOWN |
| SHEET NO. |

MADERA COUNTY

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

NOTES:

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



PLAN

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

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

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

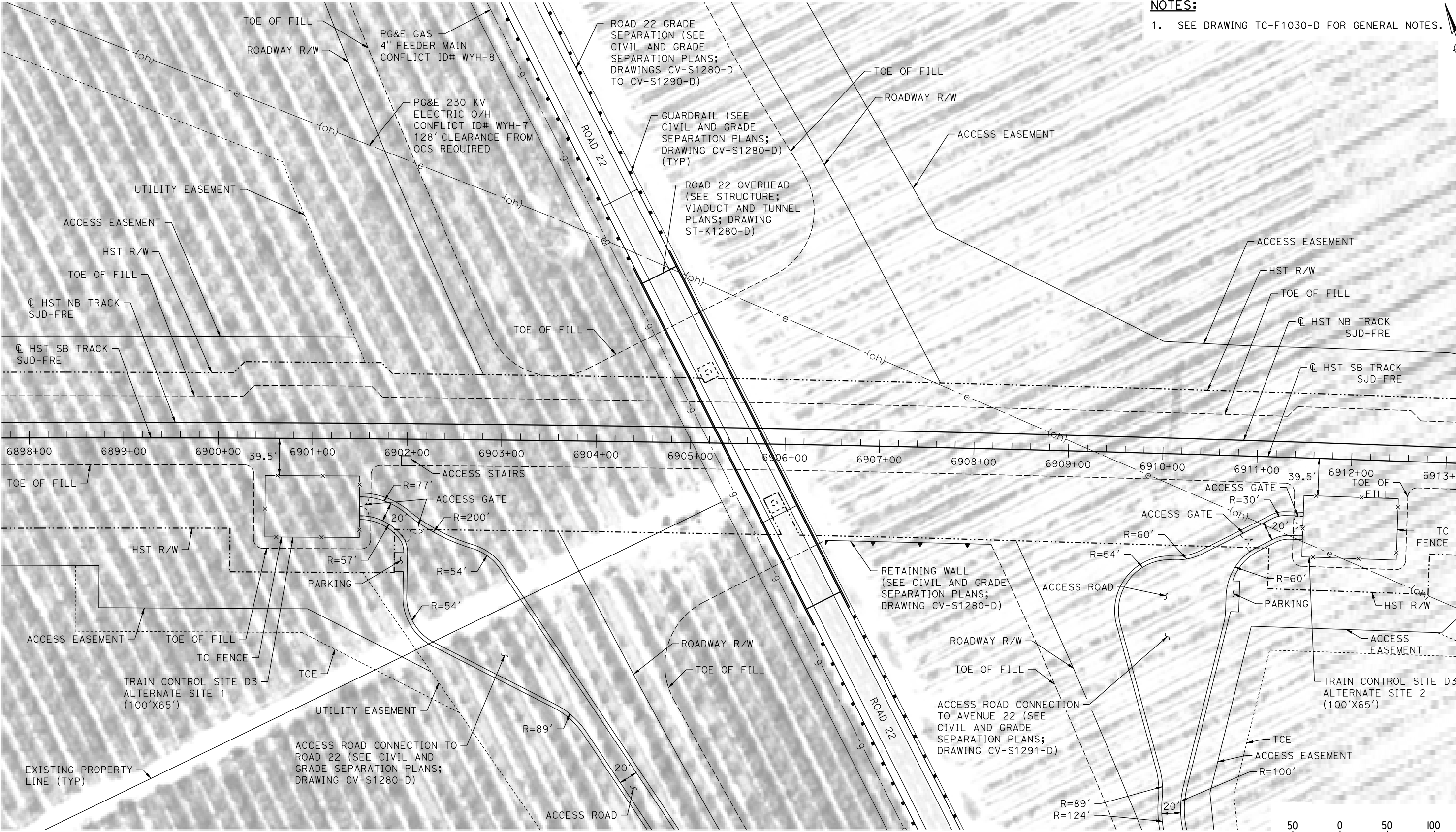


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6524+00

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

MADERA COUNTY

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



PLAN



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

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| 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



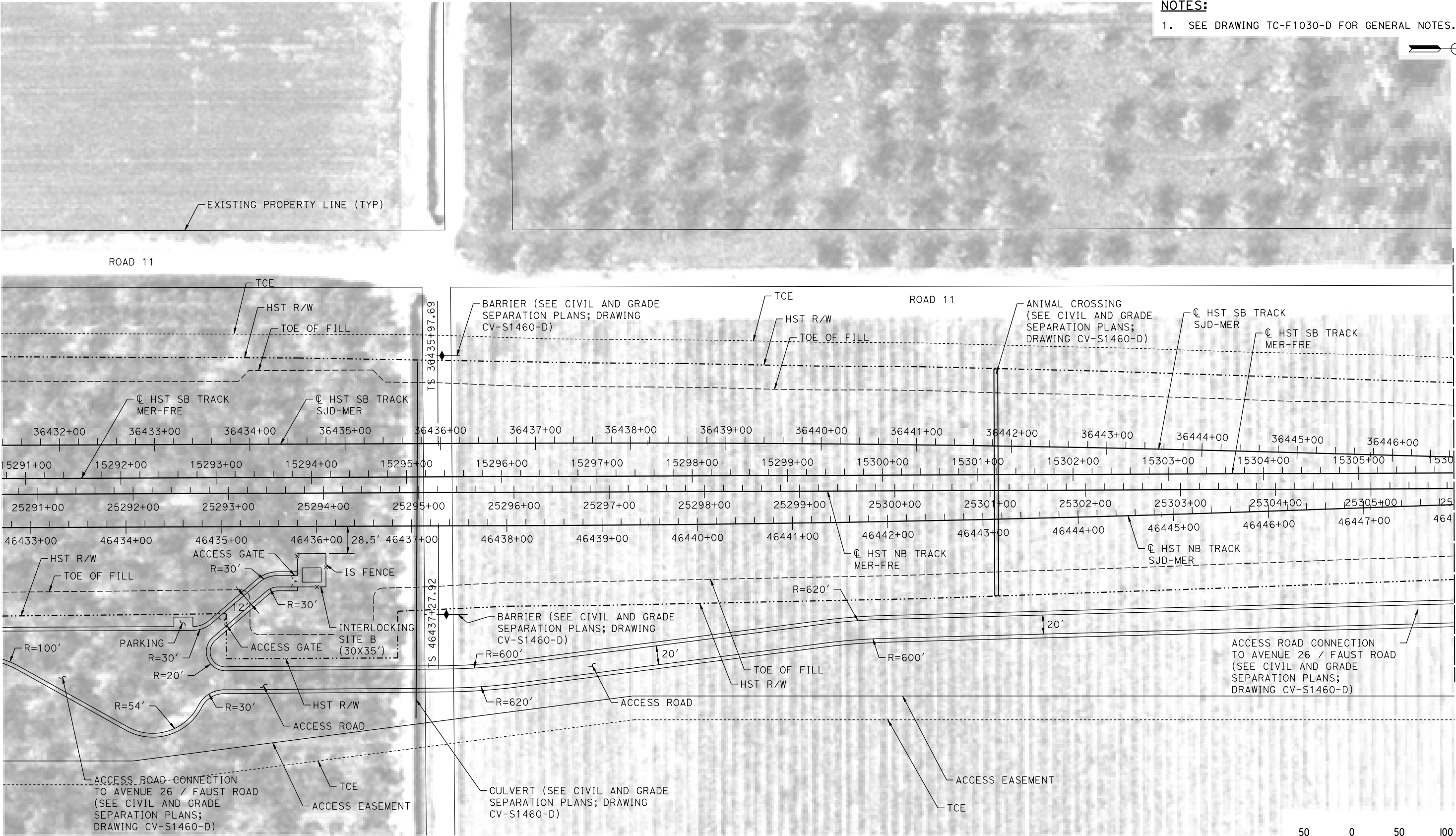
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D3 ALTERNATE SITES 1 & 2

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

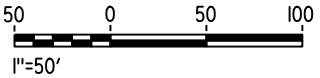
MERCED COUNTY

NOTES:

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



PLAN



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

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| 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

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

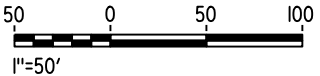
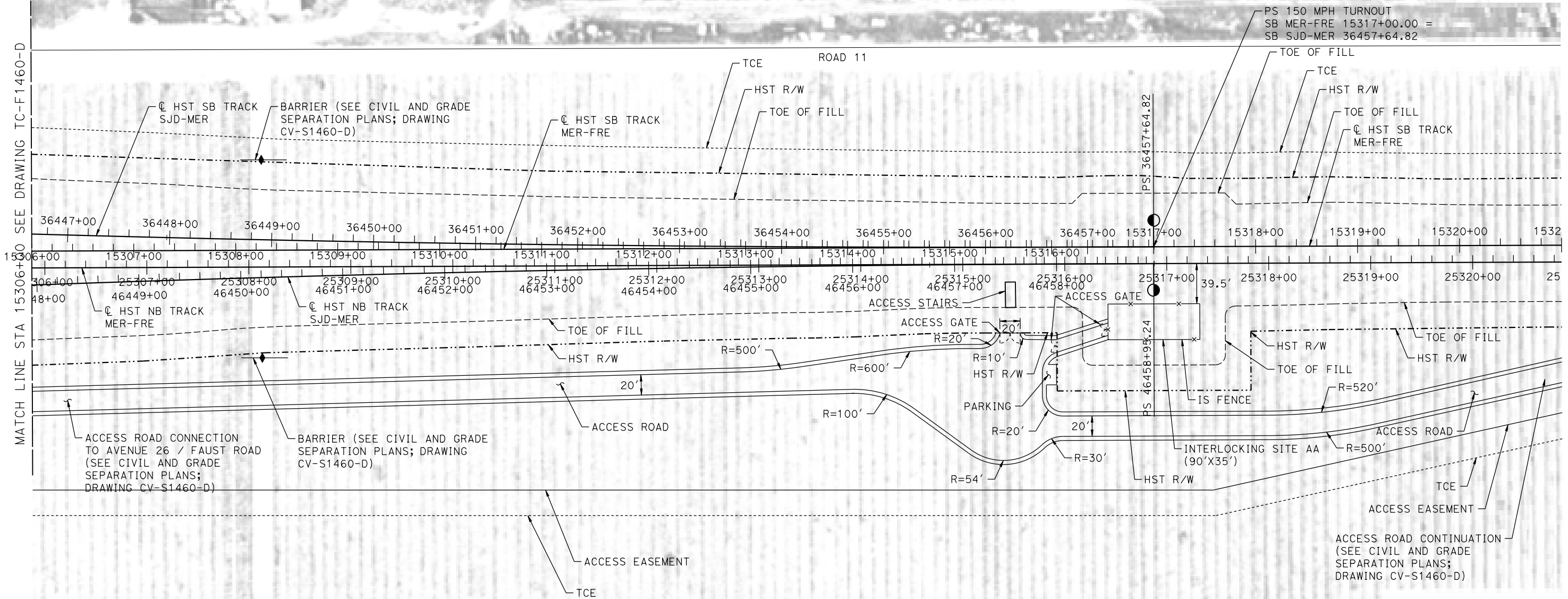
MERCED COUNTY

NOTES:

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



MATCH LINE STA 15306+00 SEE DRAWING TC-F1460-D



PLAN

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

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| 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

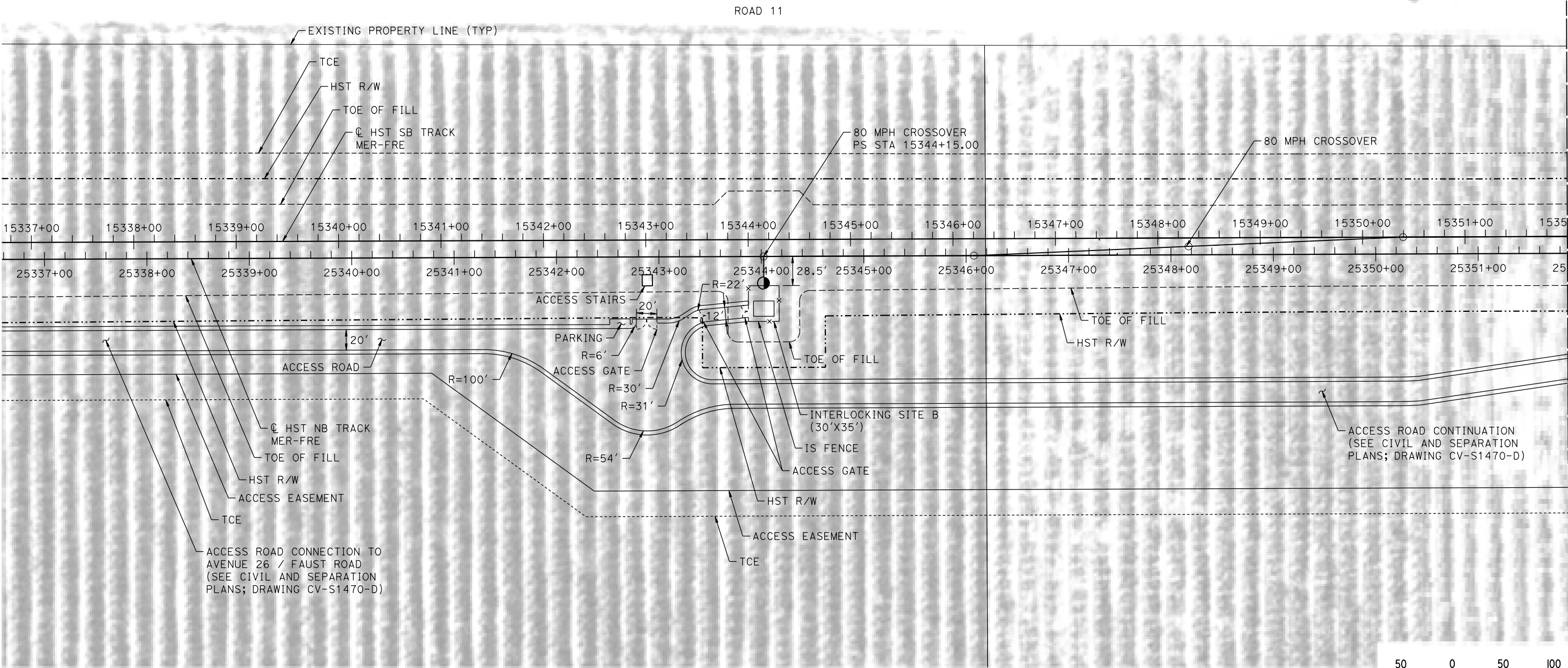


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE AA @ 15317+00

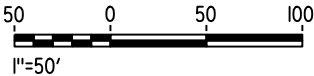
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| CONTRACT NO. HSR08-05 |
| DRAWING NO. TC-F1461-D |
| SCALE AS SHOWN |
| SHEET NO. |

MERCED COUNTY

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



PLAN



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

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

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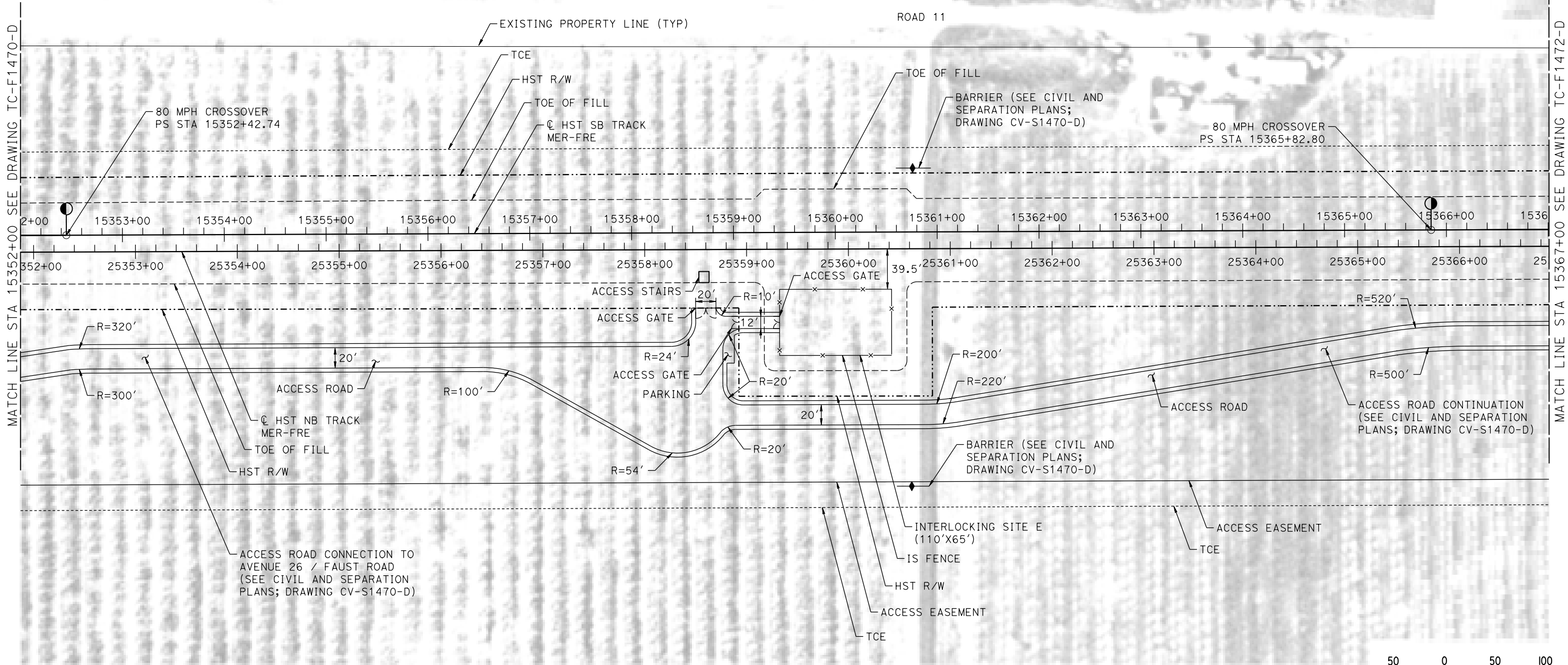
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15344+15

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| 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

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| 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

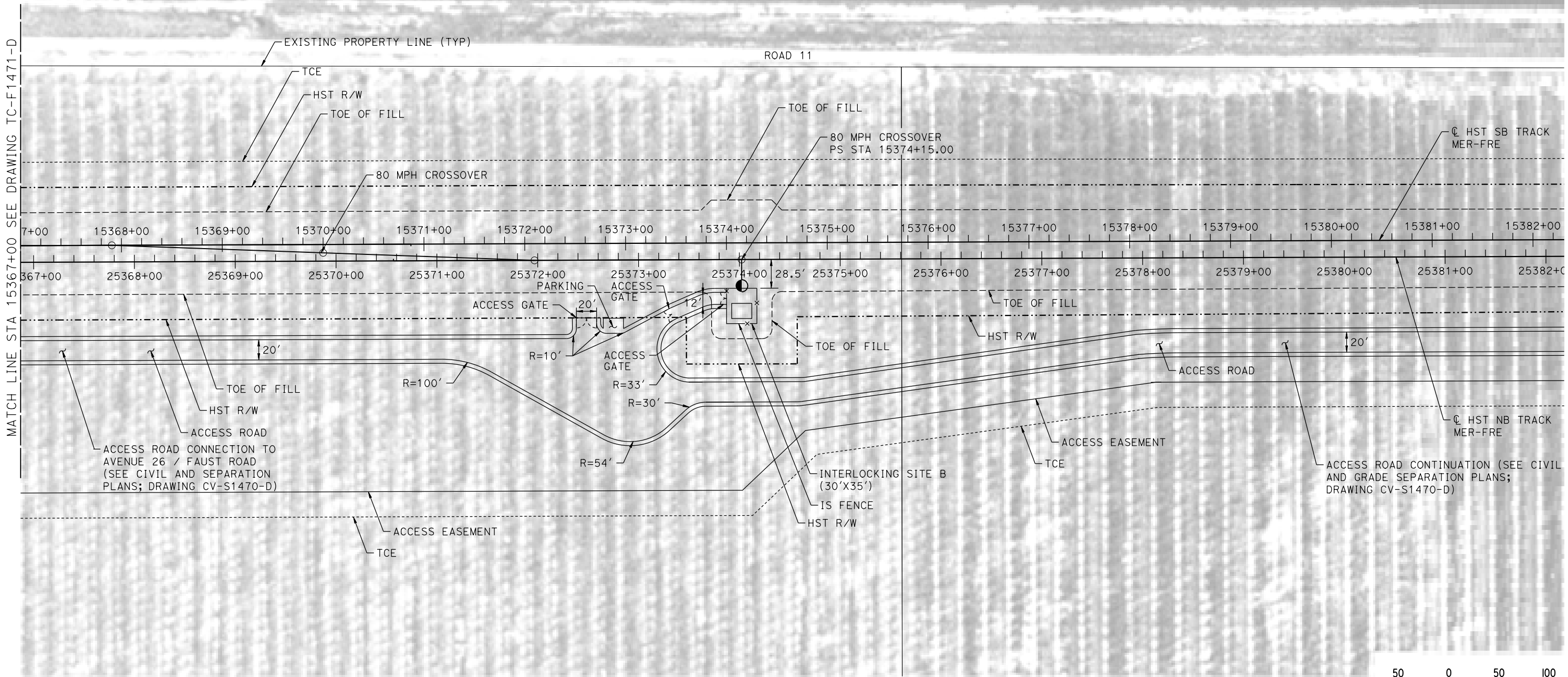
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE E @ 15360+00

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| 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

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

RECORD SET
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SUBMITTAL

NOT FOR
CONSTRUCTION



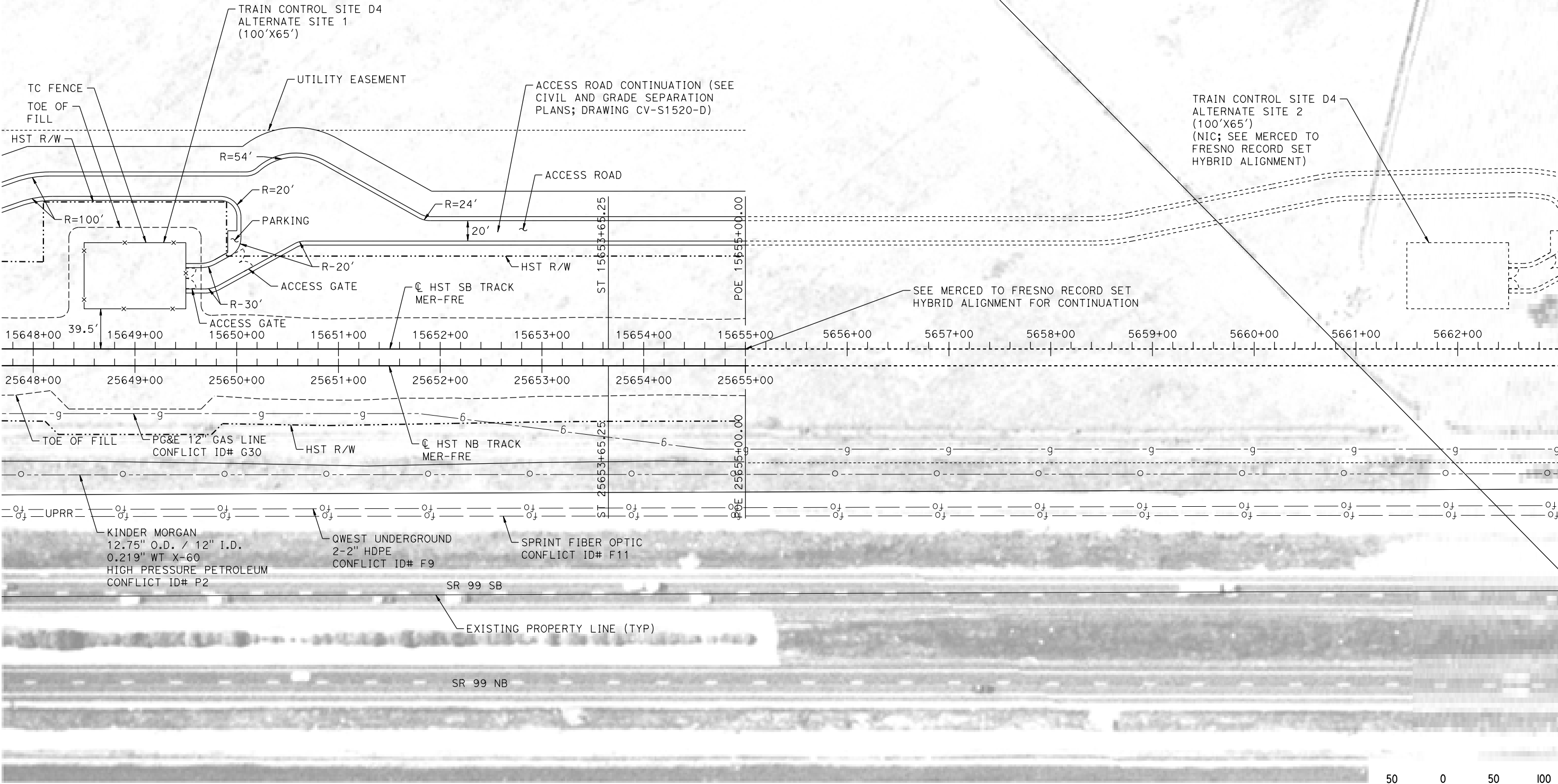
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 15374+00

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

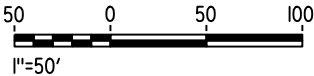
MERCED COUNTY

NOTES:

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



PLAN



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

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| DESIGNED BY K. MA |
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| 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

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