California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

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

SR 152 (North) To Road 13 Wye Alternative
SR 152 (North) To Road 19 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016
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**Description**

**Title**: TPF, INTERLOCKING AND RADIO SITE PLANS

**Central Valley Wye**

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**Description**

**Title**: TPF, INTERLOCKING AND RADIO SITE PLANS

**Central Valley Wye**
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**California High-Speed Train Project**

**Merced to Fresno Section**

**Central Valley Wye**

TPF, Interlocking and Radio Site Plans

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**California High-Speed Train Project**

**Merced to Fresno Section**

**Central Valley Wye**

TPF, INTERLOCKING AND RADIO SITE PLANS

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FOR LARGE SCALE VIEW OF EACH ALIGNMENT OPTION, PLEASE REFER TO KEY MAP SHANNES PROVIDED IN THIS PACKAGE FOR EACH OPTION.
MADERA COUNTY

NOTES:
1. SEE DRAWING TP-O1030-A FOR GENERAL NOTES.

PLAN

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCEDES TO FRESNO SECTION
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACTION POWER FACILITY SITE PLAN SWITCHING STATION E ALTERNATE SITES 1 & 2

1. SEE DRAWING TP-O1030-A FOR GENERAL NOTES.
NOTES:
1. SEE DRAWING TP-O1030-A FOR GENERAL NOTES.

DRAWING CV-S1520-A)
GRADE SEPARATION PLANS; ATHLONE ROAD (SEE CIVIL AND ACCESS ROAD CONNECTION TO UTILITY EASEMENT / TCE

DRAWING CV-S1520-A)
GRADE SEPARATION PLANS; CULVERT (SEE CIVIL AND GRADE SEPARATION PLANS)

DRAWING CV-S1520-A)
GRADE SEPARATION PLANS; ANIMAL UNDERCROSSING (SEE CIVIL AND GRADE SEPARATION PLANS)

R=15'
TYP)
(BY CALTRANS END CONST 2016, SR 99 WEST SIDE FRONTAGE ROAD (BY CALTRANS END CONST 2016,

GUARDRAIL (BY CALTRANS)

DEADMAN CREEK
CONFLICT ID# JVC-105

PETROLEUM
KINDER MORGAN 12"

ACCESS EASEMENT

GUARDRAIL (BY CALTRANS)

GUARDRAIL (BY CALTRANS)

DEADMAN CREEK
CONFLICT ID# JVC-105

PETROLEUM
KINDER MORGAN 12"

ACCESS EASEMENT

GUARDRAIL (BY CALTRANS)

GUARDRAIL (BY CALTRANS)

DEADMAN CREEK
CONFLICT ID# JVC-105

PETROLEUM
KINDER MORGAN 12"

ACCESS EASEMENT

GUARDRAIL (BY CALTRANS)

GUARDRAIL (BY CALTRANS)
Madera County

NOTES:
1. See drawing TP-O1030-A for general notes.

MADERA COUNTY

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

MADERA COUNTY

DRAWING NO.
SCALE
SHEET NO.
DATE
CHK
APP
BY
REV
DESCRIPTION
DRAWN BY
DESIGNED BY
CHECKED BY
IN CHARGE

CONTRACT NO.
CALIFORNIA HIGH-SPEED TRAIN PROJECT
CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONSTRUCTION
NOT FOR
SUBMITTAL
15% DESIGN
RECORD SET

SWITCHING STATION F ALTERNATE SITE 2

MAIN GANTRY
STRAIN GANTRY
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

PAKING
TCE
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

CENTRAL VALLEY WYE
AVENUE 23 1/2 GRADE SEPARATION (CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-A TO CV-S1631-A)

NOTES:
1. See drawing TP-O1030-A for general notes.

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CONSTRUCTION
NOT FOR
SUBMITTAL
15% DESIGN
RECORD SET

SWITCHING STATION F ALTERNATE SITE 2

MAIN GANTRY
STRAIN GANTRY
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

PAKING
TCE
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

CENTRAL VALLEY WYE
AVENUE 23 1/2 GRADE SEPARATION (CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-A TO CV-S1631-A)

NOTES:
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CONSTRUCTION
NOT FOR
SUBMITTAL
15% DESIGN
RECORD SET

SWITCHING STATION F ALTERNATE SITE 2

MAIN GANTRY
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SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

PAKING
TCE
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
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CENTRAL VALLEY WYE
AVENUE 23 1/2 GRADE SEPARATION (CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-A TO CV-S1631-A)

NOTES:
1. See drawing TP-O1030-A for general notes.

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CONSTRUCTION
NOT FOR
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SWITCHING STATION F ALTERNATE SITE 2

MAIN GANTRY
STRAIN GANTRY
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

PAKING
TCE
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
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CENTRAL VALLEY WYE
AVENUE 23 1/2 GRADE SEPARATION (CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-A TO CV-S1631-A)

NOTES:
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CONTRACT NO.
CALIFORNIA HIGH-SPEED TRAIN PROJECT
CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONSTRUCTION
NOT FOR
SUBMITTAL
15% DESIGN
RECORD SET

SWITCHING STATION F ALTERNATE SITE 2

MAIN GANTRY
STRAIN GANTRY
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

PAKING
TCE
SJD-MER
• HST SB TRACK
• HST NB TRACK
TOE OF FILL
ROADWAY R/W
ACCESS EASEMENT
AR FENCE

CENTRAL VALLEY WYE
AVENUE 23 1/2 GRADE SEPARATION (CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-A TO CV-S1631-A)

NOTES:
1. See drawing TP-O1030-A for general notes.
NOTES:
1. SEE DRAWING CO-F1010-A FOR GENERAL NOTES.

AS SHOWN

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 1

MADERA COUNTY

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

AS SHOWN

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE SJF 8 ALTERNATE SITE 1
1. SEE DRAWING CO-F1010-A FOR GENERAL NOTES.

NOTES:

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

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

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

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

MADERA COUNTY

CALIFORNIA HIGH-SPEED TRAIN PROJECT

DRAWING NO. P005133A

CERTIFIED TO FRESNO SECTION

CENTRAL VALLEY WYE

SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

COMMUNICATIONS SYSTEM SITE PLAN

STANDALONE RADIO SITE SJF 18 ALTERNATE SITE 2

NOTES:

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

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

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

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

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

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

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

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

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

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

- SEE DRAWING CO-F1010-A FOR GENERAL NOTES.
NOTES:
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.

PLAN

- ACCESS ROAD CONNECTION TO COYOTE ROAD (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-A)
- ACCESS EASEMENT
- HWT R/W
- AIR FENCE
- TIE OF FILL
- TIE
- HWT R/W
- AIR FENCE
- TIE
- ACCESS EASEMENT
- HWT R/W
- AIR FENCE
- TIE
- ACCESS EASEMENT
- HWT R/W
- AIR FENCE
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- TIE
- ACCESS EASEMENT
- HWT R/W
- AIR FENCE
- TIE
- ACCESS EASEMENT
- HWT R/W
- AIR FENCE
- TIE

MERCED COUNTY

Merced to Fresno Section
Central Valley Wye
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
Automatic Train Control Site Plan
Train Control Site D2 Alternate Site 1

Parsons
California High-Speed Rail Authority

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

AS SHOWN
MERCED TO FRESNO SECTION
HSR08-05
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
TRAIN CONTROL SITE D2 ALTERNATE SITE 2

CALEB N. SUTHERLAND
MERCED TO FRESNO SECTION
CONSULTING ENGINEER
CIVIL & MECHANICAL ENGINEER
CALIFORNIA HIGH-SPEED TRAIN PROJECT

20' TOE OF FILL
20' TOE OF FILL

ALTERNATE SITE 2
(100'X65')

ACCESS GATE
ACCESS EASEMENT
TOE

TCE
R=54'
TCE
R=90'

R=10'

R=39.5'

PARKING

EXISTING PROPERTY LINE (TYP)

TCE

TOE OF FILL

TOE OF FILL

TOE

TOE

ACCESS EASEMENT

FILL TOE OF FILL

ALTERNATE SITE 2

TRAIN CONTROL SITE D2
1100’/650’

HST R/W
HST R/W
HST R/W
HST R/W

ACCESS ROAD

HST SB TRACK

HST NB TRACK

HST R/W

TCE

C. LEMLEY

A. GURA

J. CASTILLO

AUTOMATIC TRAIN CONTROL SITE PLAN

DRAWING CV-S1100-A

GRADE SEPARATION PLANS; DRAWING CV-S1100-A)

AND GRADE SEPARATION
COYOTE ROAD (SEE CIVIL
ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST NB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)

SJD-FRE

HST SB TRACK

SUB-FIRE

ACCESS ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND GRADE
SEPARATION PLANS; DRAWING CV-S1100-A)
NOTES:
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6178+61.37 110 MPH CROSSOVER TOE OF FILL
AR FENCE HST R/W

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6175+00 MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A) ACCESS ROAD CONNECTION TO ROAD 8 (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.

ACCESS ROAD CONNECTION TO EXISTING PROPERTY (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1150-A).

MATCH LINE STA 6165+00 SEE DRAWING TC-F1150-A MATCH LINE STA 6180+20 SEE DRAWING TC-F1160-A

ACCESS ROAD CONNECTION TO EXISTING PROPERTY.
NOTES:
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.

2. AS SHOWN

3. ACCESS ROAD CONNECTION TO ROAD 13: SEE Civil AND Grade SEPARATION PLANS; DRAWING CV-R1160-A

4. MATCH LINE STA 6180+20 SEE DRAWING TC-F1151-A

5. HSR08-05

MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
AUTOMATIC TRAIN CONTROL SITE PLAN
INTERLOCKING SITE B @ 6190+00
NOTES:
1. SEE DRAWING TC-F1030-A FOR GENERAL NOTES.
NOTES:

1. See drawing TC-F1030-A for general notes.

1. Access Easement
2. R = 60'
3. Access Road
4. 110 MPH Crossover
5. Tie of Fill
6. AR Fence
7. HST R/W
8. TCE
9. R = 90'
10. R = 54'
11. R = 10'
12. Parking
13. Access Gate
14. Access Stairs

AS SHOWN
03/18/2016
TC-F1250-A

MADERA COUNTY

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

PARDON
CENTRAL VALLEY WYE AREA

MATCH LINE STA 6684+00 SEE DRAWING TC-F1250-A

NOTES:

1. See drawing TC-F1030-A for general notes.

1. Access Easement
2. R = 60'
3. Access Road
4. 110 MPH Crossover
5. Tie of Fill
6. AR Fence
7. HST R/W
8. TCE
9. R = 90'
10. R = 54'
11. R = 10'
12. Parking
13. Access Gate
14. Access Stairs

AS SHOWN
03/18/2016
TC-F1250-A
NOTES:

1. See drawing TC-F1080-A for general notes.
NOTES:
1. SEE DRAWING TC-F1050-A FOR GENERAL NOTES.

1. AS SHOWN
NOTES:

1. SEE DRAWING TP-O1030-B FOR GENERAL NOTES.

ACCESSION ROAD CONNECTION TO
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN
DRAWING CV-S1090-B)

1. AS SHOWN

2. DRAWING CV-S1090-B

GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

3. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

4. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

5. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

6. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

7. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

8. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

9. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

10. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

11. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

12. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

13. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

14. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

15. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

16. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

17. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

18. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

19. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

20. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

21. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

22. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

23. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

24. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

25. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

26. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

27. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

28. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

29. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

30. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

31. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

32. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

33. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

34. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

35. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

36. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

37. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

38. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

39. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)

40. SEE DRAWING CV-S1090-B FOR
GRADE SEPARATION PLANS;
COYOTE ROAD (SEE CIVIL AND
GRADE SEPARATION PLAN;
DRAWING CV-S1090-B)
MADERA COUNTY

NOTE:
1. SEE DRAWING TP-O1030-B FOR GENERAL NOTES.

AS SHOWN

15% DESIGN

NOT FOR SUBMITTAL

6095+00
6096+00
6097+00
6098+00
6099+00
6100+00
6101+00
6102+00
6103+00
6104+00
6105+00
6106+00
6107+00
6108+00
6109+00
6110+00

MADERA COUNTY

NOTES:

AS SHOWN

MERCED TO FRESNO SECTION
HSR08-05

TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 2
03/18/2016

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D1 ALTERNATE SITE 2

03/18/2016

PLAN

DRAWING CV-S1140-B (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1140-B)
DRAWING TP-O1140-B (SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1140-B)
DRAWING TP-O1030-B FOR GENERAL NOTES.
MADERA COUNTY

NOTES:
1. SEE DRAWING TP-01250-B FOR GENERAL NOTES.

CENTRAL VALLEY WYE

TRACTION POWER FACILITY SITE PLAN

SWITCHING STATION D ALTERNATE SITES 1 & 2

AS SHOWN

DRAWING CV-S1250-B)
GRADE SEPARATION PLANS;
ROAD 18 (SEE CIVIL AND
ACCESS ROAD CONTINUATION TO
ROAD 18 (SEE CIVIL AND GRADE SEPARATION PLANS;
DRAWING CV-S1250-B)
TOE OF FILL
TOE OF FILL
ACCESS ROAD
TOE
HST R/W
MAIN GANTRY
STAIN GANTRY
SJD-FRE
• HST SB TRACK
SJD-FRE
• HST NB TRACK
ACCESS GATE
ACCESS STAIRS
TOE OF FILL
TOE OF FILL
ACCESS EASEMENT / TCE
ACCESS EASEMENT / TCE
EXISTING PROPERTY LINE (TYP)

R=15'
R=54'
24'
24'
20'
24'
144'
MADERA COUNTY

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

1"=50'
50 50
100 0

PLAN

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERGED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TRACTION POWER FACILITY SITE PLAN
PARALLELING STATION D3 ALTERNATE SITES 1 & 2

access road connection to road 22 (see civil and grade separation plans; drawing cv-s1280-b)

access road connection to road 22 (see civil and grade separation plans; drawing cv-s1290-b)

access road connection to road 22 (see civil and grade separation plans; drawing cv-r1281-b)

SEE DRAWING TP-O1030-B FOR GENERAL NOTES.

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100 0

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1. SEE DRAWING TP-01030-B FOR GENERAL NOTES.
NOTES:
1. SEE DRAWING CO-F1010-B FOR GENERAL NOTES.

2. MADERA COUNTY

3. CENTRAL VALLEY WYE

4. SEE DRAWING CO-F1010-B FOR GENERAL NOTES.
GENERAL NOTES:

1. THESE ARE TYPICAL INTERLOCKING SITE LAYOUT AND ORIENTATIONS WITH RESPECT TO THE TRACK. USER TO TM 2.3.2 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 DETAIL OF HST CORRIDOR FENCING AND ACCESS SEE TM 2.4.1 AND 2.4.2.

4. SUFFICIENT R/W HAS BEEN SUPPLIED TO EACH SYSTEM 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.

6. TOWER BASE AND FOUNDATION ASSUMED TO BE 5 FEET IN DIAMETER.

7. TOWER EMBEDMENT DEPTH ASSUMED TO BE APPROXIMATELY 25 FEET.

8. THESE ASSUMPTIONS SHALL BE VALIDATED BY DESIGN FOR SOIL AND ENVIRONMENTAL CONDITIONS.

9. SEE DETAIL 1 ON TP-01030-B FOR ACCESS ROAD TYPICAL SECTION.

10. SEE TM 1.1.21 FOR FACILITY TYPICAL CROSS SECTIONS.
NOTES:
1. SEE DRAWING TC-F1020-B FOR GENERAL NOTES.

HST R/W
AR FENCE
TOE OF FILL
TCE

ROADWAY R/W
ACCESS GATE

TS 5997+98.36
5992+00 5993+00 5994+00 5995+00 5996+00 5997+00 5998+00 5999+00 6000+00 6001+00 6002+00 6003+00 6004+00 6005+00 6006+00

HURSE LATIN CONFLICT ID JVC-102

ALTERNATE SITE 2
TRAIN CONTROL SITE D2
(100'x65')

ALTERNATE SITE 1
TRAIN CONTROL SITE D2
(100'x65')

CENTRAL VALLEY WYE
MERCED TO FRESNO SECTION

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE AUTOMATIC TRAIN CONTROL SITE PLAN
TRAIN CONTROL SITE D2 ALTERNATE SITES 1 & 2

50 0 50 100

50087

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CALIFORNIA HIGH-SPEED TRAIN PROJECT
CONSTRUCTION

NOT FOR SUBMITTAL
15% DESIGN

03/18/2016

DATE
P005133A

CONTRACT NO.

CALIFORNIA HIGH-SPEED TRAIN PROJECT

DRAWING NO.

DATE
CHK
APP
REV

DESCRIPTION

DRAWN BY
DESIGNED BY
CHECKED BY
IN CHARGE

A. GURA
J.CASTILLO

08-MAR-2016 11:19

5992+00 5993+00 5994+00 5995+00 5996+00 5997+00 5998+00 5999+00 6000+00 6001+00 6002+00 6003+00 6004+00 6005+00 6006+00

50 0 50 100
NOTES:
1. SEE DRAWING TC-F1030-B FOR GENERAL NOTES.

LAYOUT:
- MADERA COUNTY
- ROAD 16 GRADE SEPARATION
- SEE CIVIL AND GRADE
- SEPARATION PLANS; DRAWING
  CV-R1230-B
- ROAD 16 CONNECTOR REALIGNMENT
- SEE CIVIL AND GRADE
- SEPARATION PLANS; DRAWING
  CV-S1230-B
- ROAD 16 CONNECTOR

EXISTING PROPERTY
- LINE (TP)
- TOP OF CUT
- TOP OF FILL
- ROADWAY R/W
- AR FENCE
- HST R/W
- TOE OF FILL
- ROADWAY R/W
- MERCED TO FRESNO SECTION
- HS F105
- INTERLOCKING SITE B @ 6591+65
- AUTOMATIC TRAIN CONTROL SITE PLAN

CONSTRUCTION
- NOTES:
- 1"=50'
- AS SHOWN

Matics line 6574+00 SEE DRAWING TC-F1230-B

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

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

PLAN

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