

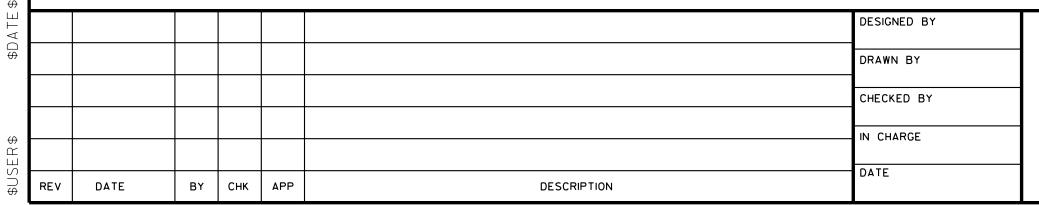
# San Jose to Merced Section: San Jose to Central Valley Wye



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BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
OVER, I	NDEX OF [	DRAWING AND	KEY MAPS				
BOOK 1D	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 1	
BOOK 1D	В	GE-A0106	ENTIRE ALTERNATIVE	CONSTRUCTION STAGING	INDEX OF DRAWING	SHEET 6 OF 7	
BOOK 1D	С	GE-A0107	ENTIRE ALTERNATIVE	ALIGNMENT DATA TABLES	INDEX OF DRAWING	SHEET 7 OF 7	
BOOK 1D	D	GE-D0101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 1D	E	GE-D0102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	
ONSTR	JCTION ST	AGING					
BOOK 1D	130	CV-I0401	MONTEREY CORRIDOR	W ALMA AVE, CURTNER AVE	VIADUCT	CONSTRUCTION STAGING PLAN-PHASE 1-STAGES 1 & 2	CALTRAIN/UPRR RELOCATION-ST
BOOK 1D	131	CV-I0402	MONTEREY CORRIDOR	W ALMA AVE, CURTNER AVE	VIADUCT	CONSTRUCTION STAGING PLAN-PHASE 1-STAGES 3	CALTRAIN/UPRR RELOCATION-ST
BOOK 1D	132	CV-I0403	MONTEREY CORRIDOR	W ALMA AVE, CURTNER AVE	VIADUCT	CONSTRUCTION STAGING PLAN-PHASE 2	CALTRAIN/UPRR RELOCATION-S
BOOK 1D	133	CV-10404	MONTEREY CORRIDOR	W ALMA AVE, CURTNER AVE	VIADUCT	CONSTRUCTION STAGING PLAN-PHASE 3	CALTRAIN/UPRR RELOCATION-S
BOOK 1D	134	CV-I0405A	MONTEREY CORRIDOR	ALMADEN RD	VIADUCT	CONSTRUCTION STAGING-PHASE 1-STAGE 1	ALMADEN RD UNDERPASS
BOOK 1D	135	CV-I0405B	MONTEREY CORRIDOR	ALMADEN RD	VIADUCT	CONSTRUCTION STAGING-PHASE 1-STAGE 2	ALMADEN RD UNDERPASS
BOOK 1D	136	CV-I0405C	MONTEREY CORRIDOR	ALMADEN RD	VIADUCT	CONSTRUCTION STAGING-PHASE 1-STAGE 3	ALMADEN RD UNDERPASS
BOOK 1D	137	CV-I0406	MONTEREY CORRIDOR	ALMADEN RD	VIADUCT	CONSTRUCTION STAGING-PHASE 2	ALMADEN RD UNDERPASS
BOOK 1D	138	CV-I0407	MONTEREY CORRIDOR	ALMADEN RD	VIADUCT	CONSTRUCTION STAGING-PHASE 3	ALMADEN RD UNDERPASS
BOOK 1D	139	CV-I0408	MONTEREY CORRIDOR	SR 87, UPRR	VIADUCT	CONSTRUCTION STAGING-PHASE 1-STAGES 1 & 2	MODIFY EXISTING ALMADEN
BOOK 1D	140	CV-I0409	MONTEREY CORRIDOR	SR 87, UPRR	VIADUCT	CONSTRUCTION STAGING-PHASE 1-STAGES 3	MODIFY EXISTING ALMADEN
BOOK 1D	141	CV-I0410	MONTEREY CORRIDOR	SR 87, UPRR	VIADUCT	CONSTRUCTION STAGING-PHASE 2	MODIFY EXISTING ALMADEN
BOOK 1D	142	CV-I0411	MONTEREY CORRIDOR	SR 87, UPRR	VIADUCT	CONSTRUCTION STAGING-PHASE 3	MODIFY EXISTING ALMADEN
BOOK 1D	143	CV-I0412	MONTEREY CORRIDOR	UPRR	VIADUCT	CONSTRUCTION STAGING-PHASE 1	MODIFY EXISTING CURTNER
BOOK 1D	144	CV-I0413	MONTEREY CORRIDOR	UPRR	VIADUCT	CONSTRUCTION STAGING-PHASES 2 & 3	MODIFY EXISTING CURTNER
BOOK 1D	145	CV-I1001	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN	GENERAL NOTES
BOOK 1D	146	CV-I1002	MORGAN HILL AND GILROY	BOLSA RD	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 1	BLOOMFIELD AVENUE GRADE
BOOK 1D	147	CV-I1003	MORGAN HILL AND GILROY	BLOOMFIELD AVE, SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 1	BLOOMFIELD AVENUE GRADE
BOOK 1D	148	CV-I1004	MORGAN HILL AND GILROY	BLOOMFIELD AVE, BOLSA RD	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 2	BLOOMFIELD AVENUE GRADI
BOOK 1D	149	CV-I1005	MORGAN HILL AND GILROY	BLOOMFIELD AVE, SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 2	BLOOMFIELD AVENUE GRADE
BOOK 1D	150	CV-I1006	MORGAN HILL AND GILROY	BLOOMFIELD AVE, BOLSA RD	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 3	BLOOMFIELD AVENUE GRADE
BOOK 1D	151	CV-I1007	MORGAN HILL AND GILROY	BLOOMFIELD AVE, SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	CONSTRUCTION PHASING / STAGING PLAN - STAGE 3	BLOOMFIELD AVENUE GRADI
BOOK 1D	152	CV-I1601	SAN JOAQUIN VALLEY		HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	GENERAL NOTES
BOOK 1D	153	CV-I1602	SAN JOAQUIN VALLEY	INGOMAR GRDE RD, HENRY MILLER RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	HENRY MILLER ROAD GRADE
BOOK 1D	154	CV-I1603	SAN JOAQUIN VALLEY	HENRY MILLER RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	HENRY MILLER ROAD GRADE
BOOK 1D	155	CV-I1604	SAN JOAQUIN VALLEY	HENRY MILLER RD, MERCEY SPRINGS RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	SR-165 / MERCEY SPRINGS ROA
BOOK 1D	156	CV-I1605	SAN JOAQUIN VALLEY	HENRY MILLER RD, DELTA RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	DELTA ROAD GRADE SEPARATION
BOOK 1D	157	CV-I1606	SAN JOAQUIN VALLEY	HENRY MILLER RD, TURNER ISLAND RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	TURNER ISLAND ROAD GRADE
BOOK 1D	158	CV-I1607	SAN JOAQUIN VALLEY	HENRY MILLER RD, CARLUCCI RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	CARLUCCI ROAD GRADE

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET B



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# CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

ALTERNATIVE 1 INDEX OF DRAWING SHEET 6 OF 7

HSR15-34
DRAWING NO. GE-A0106
scale NONE
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# **ALTERNATIVE 1** BOOK 1D SHEET C

**SAN JOSE TO MERCED** ALTERNATIVE 1 INDEX OF DRAWING SHEET 7 OF 7

T	CONTRACT NO. HSR15-34
	DRAWING NO. GE-A0107
	scale NONE

SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
RACK G	UIDEWA	Y HORIZONTA	L ALIGNMENT DATA TABLE				
BOOK 1D	159	TT-B0101-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C189 AND C190
BOOK 1D	160	TT-B0102-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C191 AND C192
BOOK 1D	161	TT-B0103-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193
BOOK 1D	162	TT-B0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C101 AND C102
BOOK 1D	163	TT-B0105	MONTEREY CORRIDOR	N/A	VIADUCT TO I-880	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 AND C104
BOOK 1D	164	TT-B0106	MONTEREY CORRIDOR	N/A	VIADUCT/AT-GRADE	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C105 AND C106
BOOK 1D	165	TT-B0107	MONTEREY CORRIDOR	N/A	VIADUCT/AT-GRADE	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C107
BOOK 1D	166	TT-B0108	MONTEREY CORRIDOR	N/A	VIADUCT	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C108 AND C109
BOOK 1D	167	TT-B0109	MONTEREY CORRIDOR	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C110 AND C111
BOOK 1D	168	TT-B0110	MONTEREY CORRIDOR	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C112
BOOK 1D	169	TT-B0111	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C113 AND C114
BOOK 1D	170	TT-B0112	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C115 AND C116
BOOK 1D	171	TT-B0113	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C117 AND C118
BOOK 1D	172	TT-B0114	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C119 AND C120
BOOK 1D	173	TT-B0115	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C121
BOOK 1D	174	TT-B0116	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C122
BOOK 1D	175	TT-B0117	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C123
BOOK 1D	176	TT-B0118	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C124 AND C125
BOOK 1D	177	TT-B0119	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C126
BOOK 1D	178	TT-B0120	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C127 AND C128
BOOK 1D	179	TT-B0121	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129
BOOK 1D	180	TT-B0122	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C130
BOOK 1D	181	TT-B0123	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C131
BOOK 1D	182	TT-B0124	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132 AND C133
BOOK 1D	183	TT-B0125	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C134 AND C135
BOOK 1D	184	TT-B0126	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C136
BOOK 1D	185	TT-B0127	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C137
BOOK 1D	186	TT-B0128	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C138 AND C139
BOOK 1D	187	TT-B0129	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C140
BOOK 1D	188	TT-B0130	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C230
BOOK 1D	189	TT-B0131	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C231 AND C231
BOOK 1D	190	TT-B0132	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C232 AND C233
BOOK 1D	191	TT-B0133	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C234 AND C235
BOOK 1D	192	TT-B0134	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C236

# **ROADWAY HORIZONTAL ALIGNMENT DATA TABLE**

BOOK 1D	193	CV-B0101	MONTEREY CORRIDOR	N/A	VIADUCT	ALIGNMENT DATA TABLE					

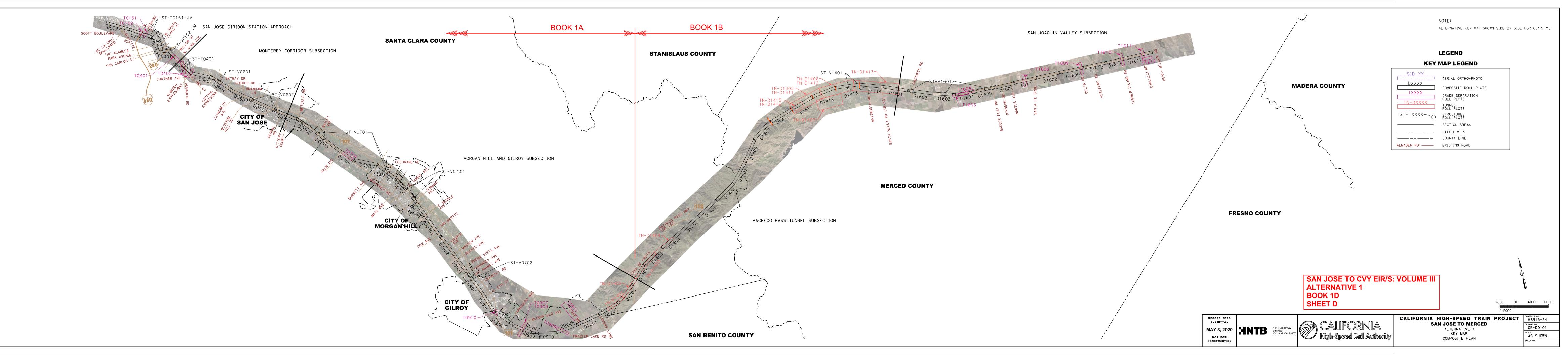
### **ALTERNATIVE 1 BOOK INDEX**

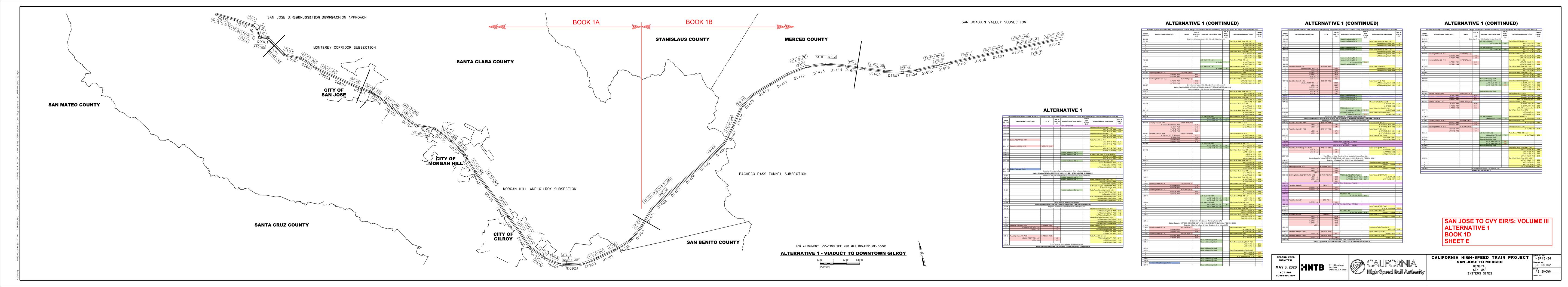
BOOK 1A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS

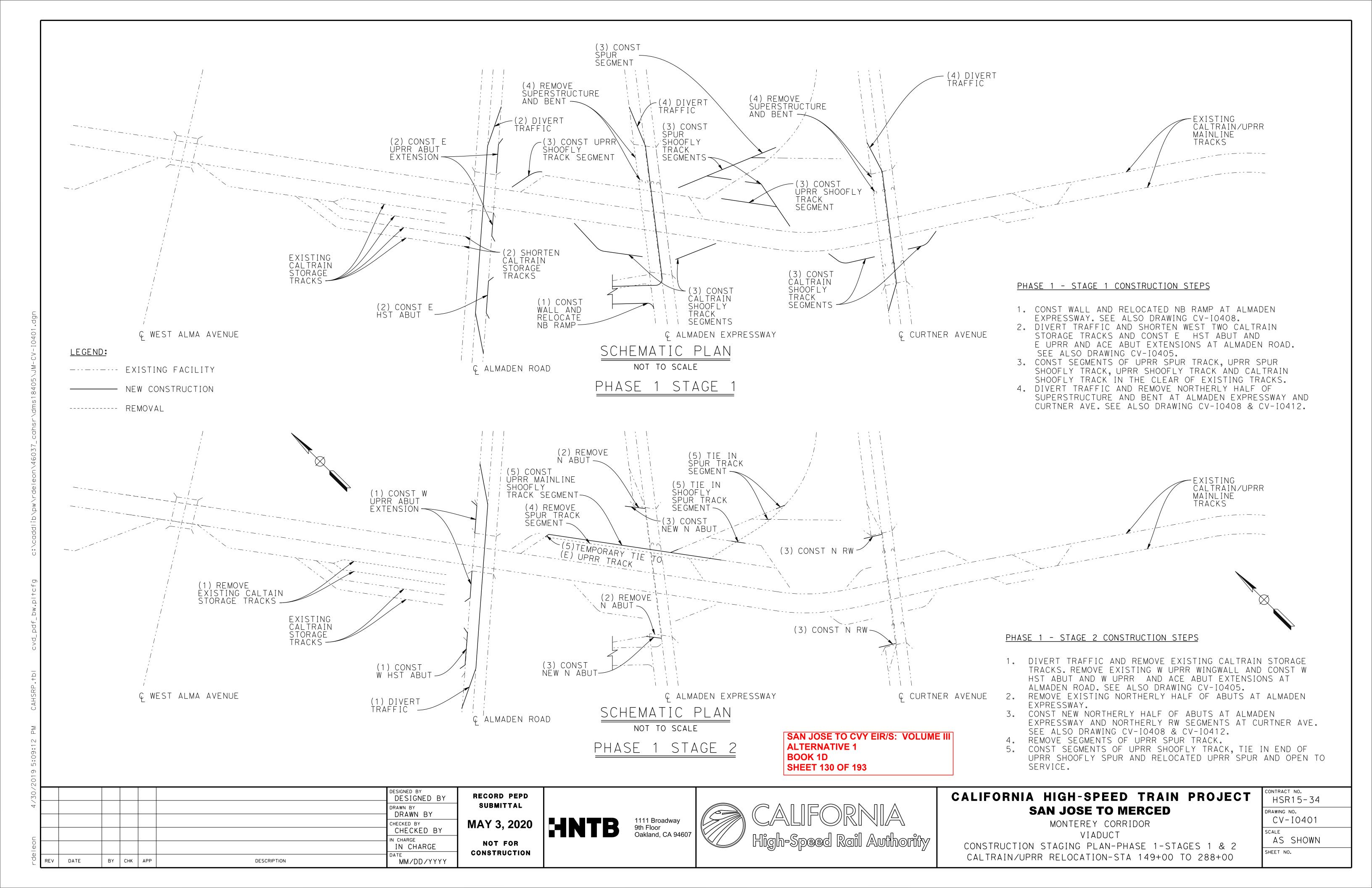
BOOK 1B: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS, STATIONS, STRUCTURES

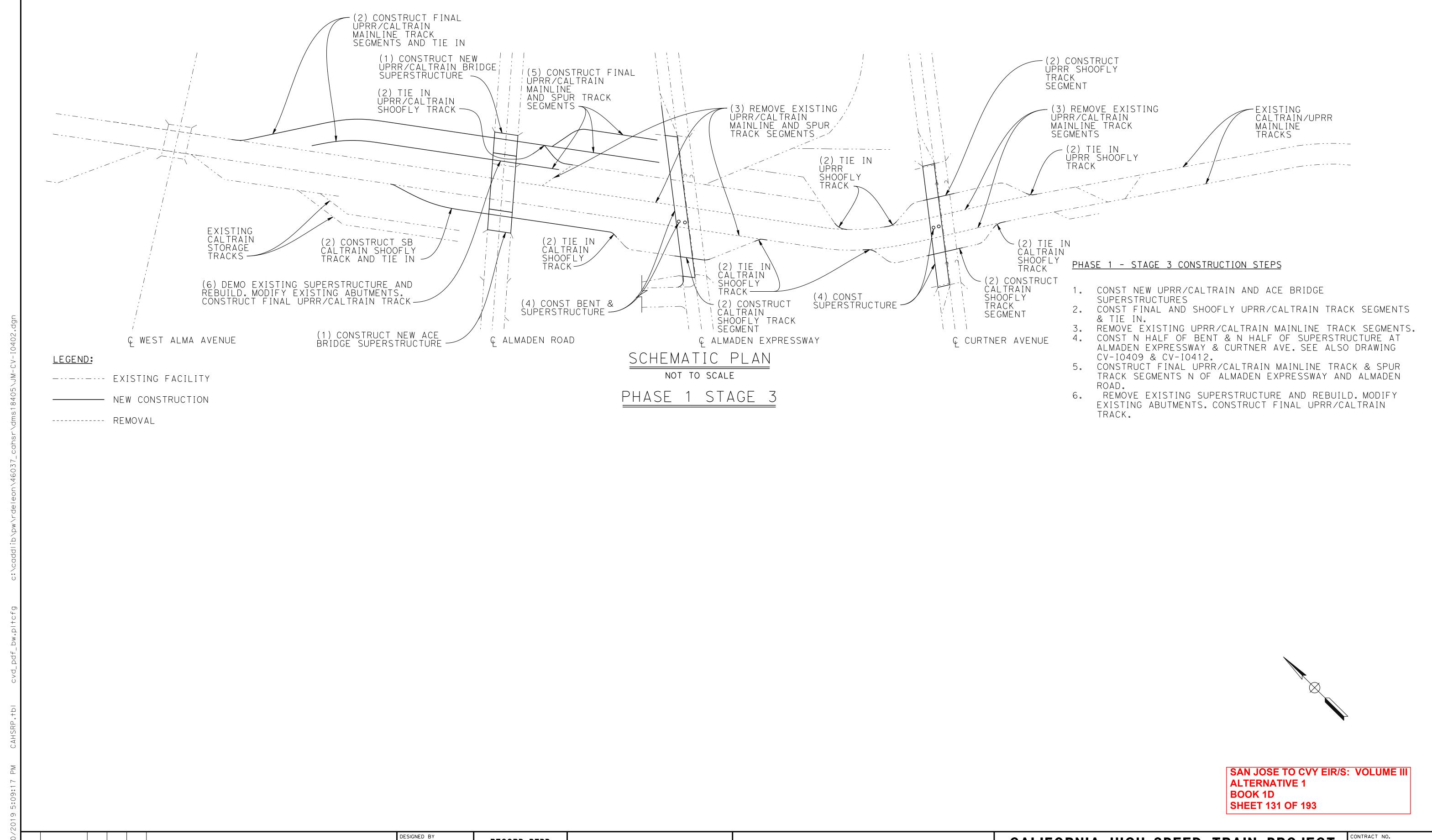
BOOK 1C: ROADWAY, MAINTENANCE OF WAY, TUNNELS -PACHECO PASS

BOOK 1D: CONSTRUCTION STAGING, ALIGNMENT DATA TABLES









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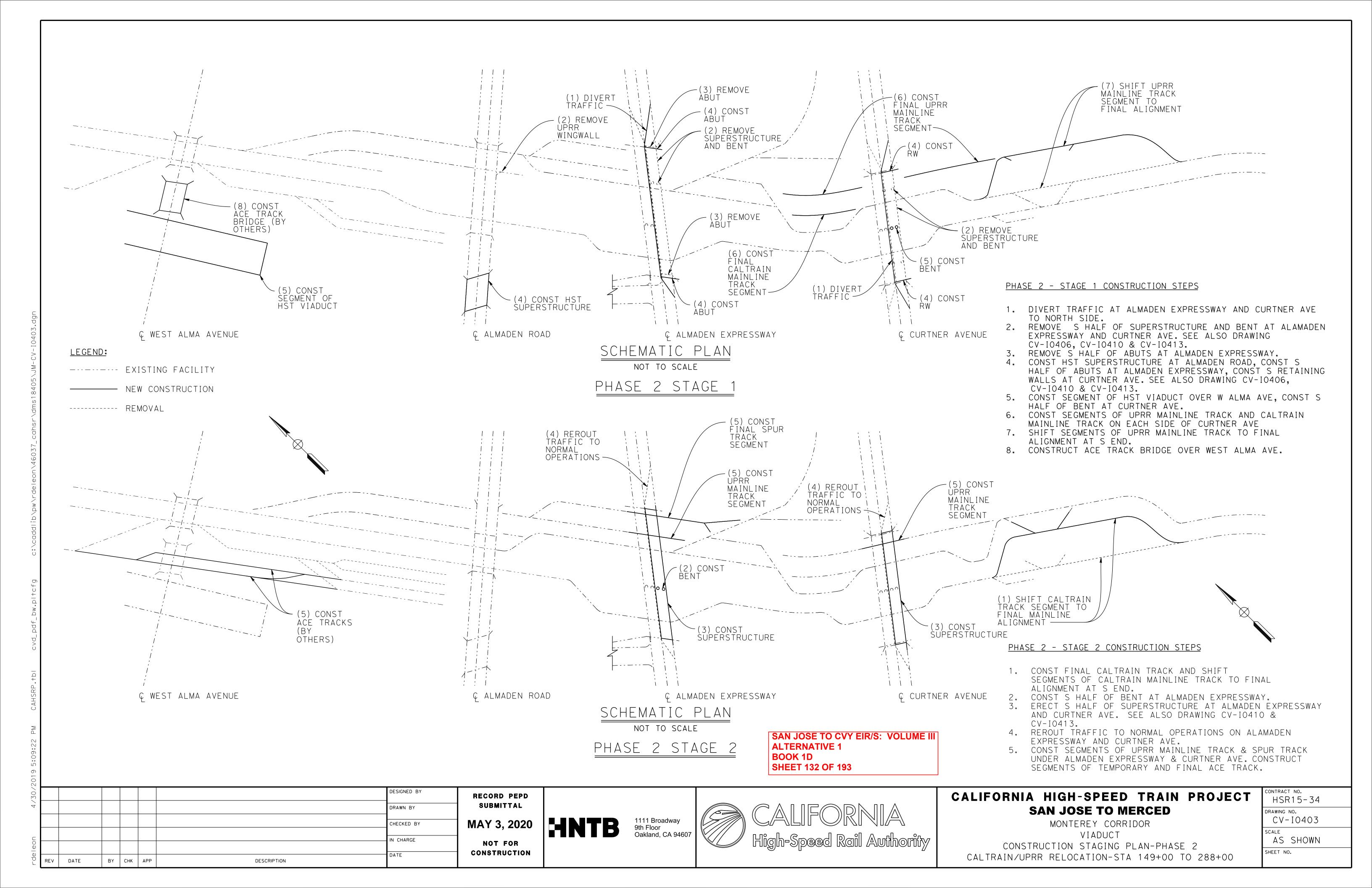
BY CHK APP

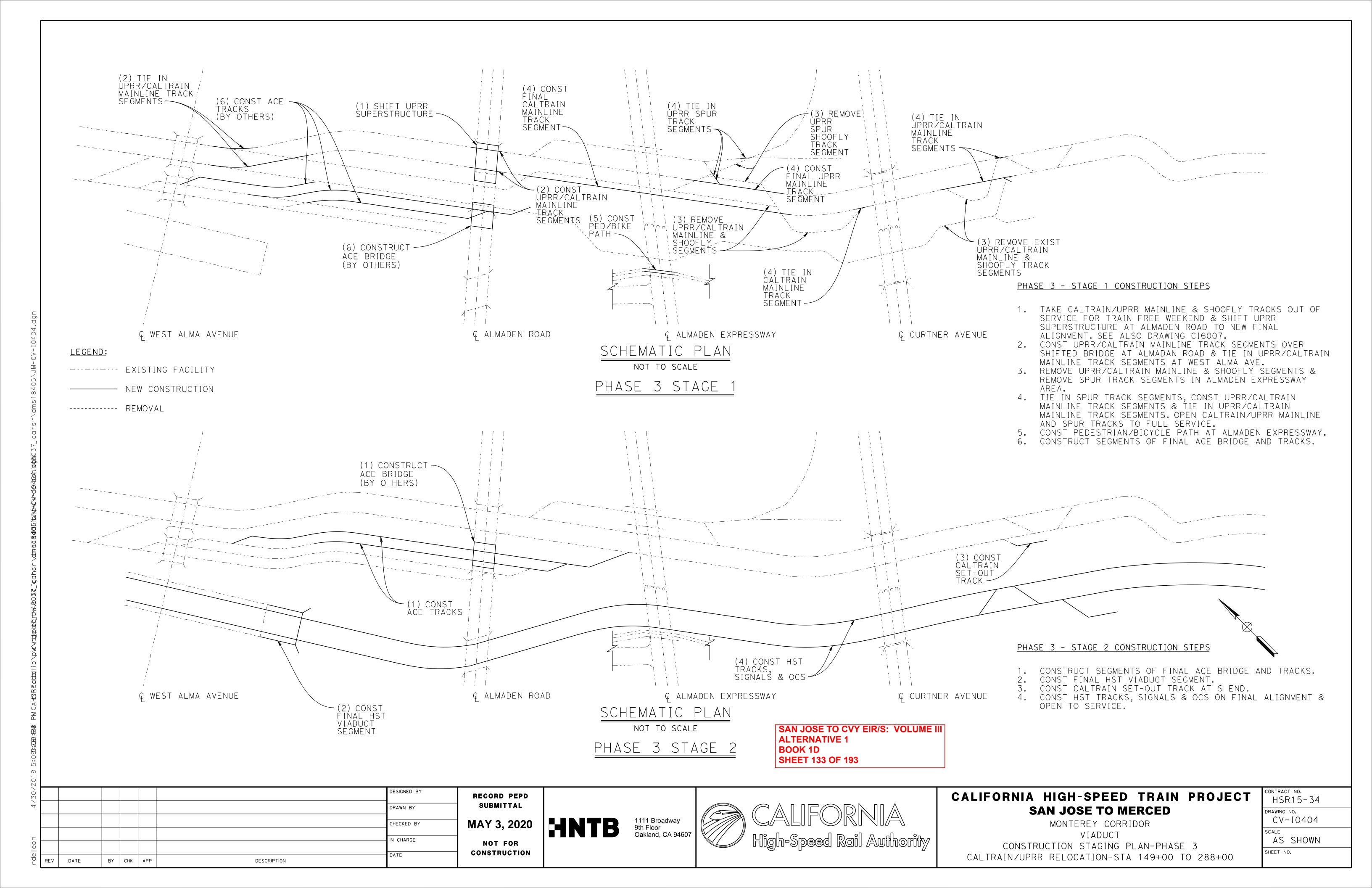
CONTRACT NO. CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR15-34 DRAWING NO. CV-I0402 AS SHOWN SHEET NO.

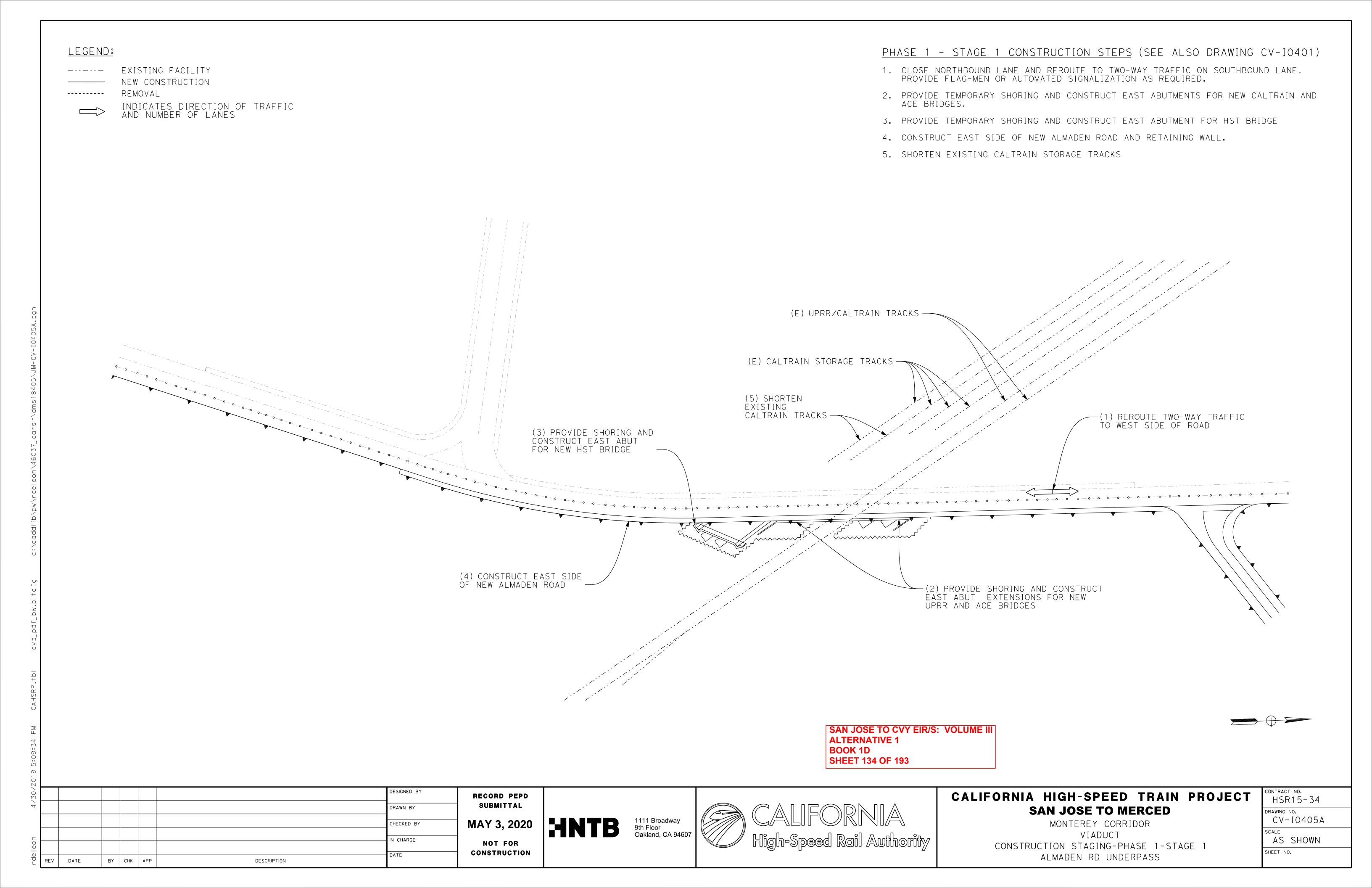
MONTEREY CORRIDOR VIADUCT

CONSTRUCTION STAGING PLAN-PHASE 1-STAGES 3 CALTRAIN/UPRR RELOCATION-STA 149+00 TO 288+00

SAN JOSE TO MERCED







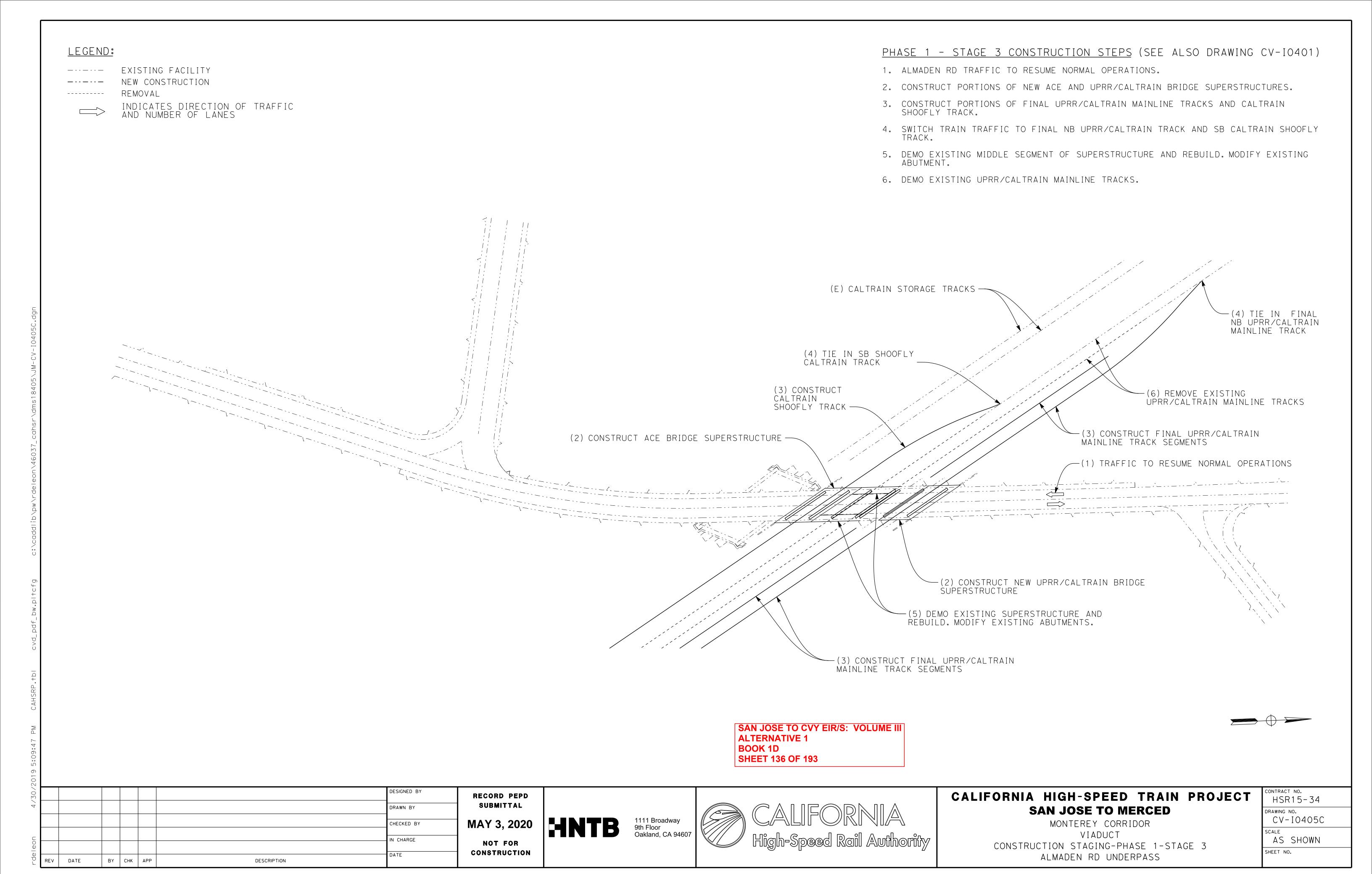
<u>LEGEND:</u> <u>Phase 1 - Stage 2 construction steps</u> (see also drawing cv-10401) 1. REROUTE TO TWO-WAY TRAFFIC ON NORTHBOUND LANE. PROVIDE FLAG-MEN OR AUTOMATED SIGNALIZATION AS REQUIRED. ---- EXISTING FACILITY NEW CONSTRUCTION REMOVAL \_\_\_\_\_ 2. PROVIDE TEMPORARY SHORING AND CONSTRUCT WEST ABUTMENTS FOR NEW CALTRAIN AND ACE BRIDGES. INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES 3. PROVIDE TEMPORARY SHORING AND CONSTRUCT WEST ABUTMENT FOR HST BRIDGE. 4. CONSTRUCT WEST SIDE OF NEW ALMADEN ROAD AND RETAINING WALL. 5. REMOVE EXISTING CALTRAIN STORAGE TRACKS. (E) CALTRAIN STORAGE TRACKS -(E) UPRR/CALTRAIN TRACKS — (5) REMOVE EXISTING CALTRAIN STORAGE TRACKS --(4) CONSTRUCT WEST SIDE OF NEW ALMADEN ROAD AND RETAINING WALL. (3) PROVIDE TEMPORARY -(2) PROVIDE TEMPORARY SHORING AND CONSTRUCT WEST ABUTS FOR ACE AND CALTRAIN BRIDGES SHORING AND CONSTRUCT WEST ABUT FOR NEW HST BRIDGE (1) REROUTE TWO-WAY TRAFFIC TO EAST SIDE OF ROAD **SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 1** BOOK 1D **SHEET 135 OF 193** DESIGNED BY CALIFORNIA HIGH-SPEED TRAIN PROJECT RECORD PEPD HSR15-34 SUBMITTAL DRAWN BY **SAN JOSE TO MERCED** DRAWING NO. CV-I0405B 1111 Broadway
9th Floor
Oakland, CA 94607 MAY 3, 2020 MONTEREY CORRIDOR CHECKED BY VIADUCT AS SHOWN NOT FOR CONSTRUCTION STAGING-PHASE 1-STAGE 2 SHEET NO.

ALMADEN RD UNDERPASS

CONSTRUCTION

BY CHK APP

DESCRIPTION



- 1. OPEN TRAFFIC LANES TO NORMAL FLOW.
- 2. CONSTRUCT HST BRIDGE SUPERSTRUCTURE. PROVIDE PROTECTION OVER TRAFFIC OR TEMPORARILY CLOSE TO TRAFFIC DURING NECESSARY OPERATIONS.

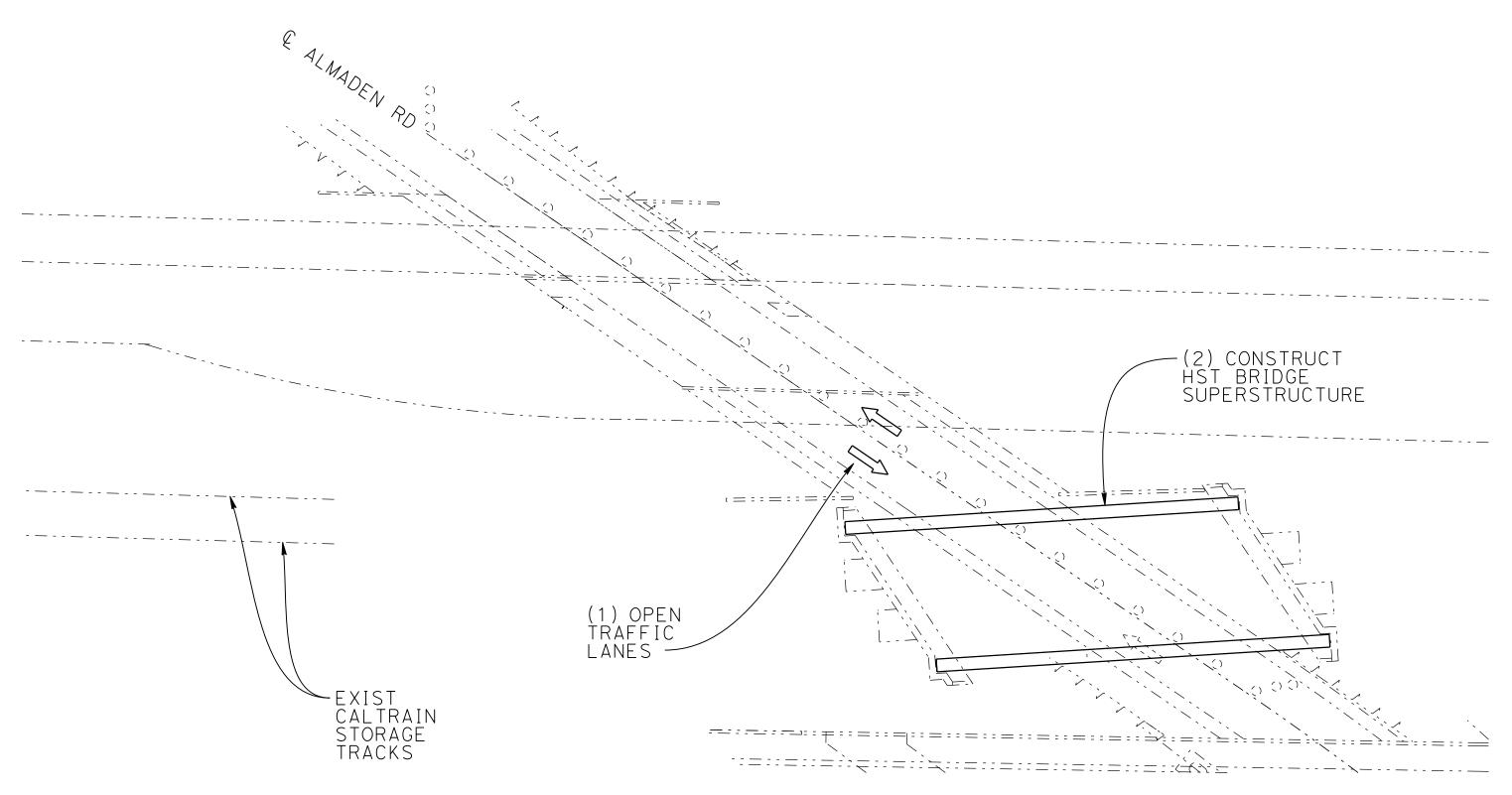
<u>LEGEND:</u>

----- EXISTING FACILITY

----- NEW CONSTRUCTION

----- REMOVAL

INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES



PHASE 2 - STAGE 1

SCHEMATIC PLAN NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 137 OF 193

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## CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASE 2 ALMADEN RD UNDERPASS

CONTRACT NO.
HSR15-34
DRAWING NO. CV-IO406
SCALE

AS SHOWN SHEET NO.

PHASE 3 - STAGE 1 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-IO404)

- 1. DISCONTINUE SERVICE ON UPRR AND CALTRAIN TRACKS FOR TRAIN FREE WEEKEND.
- 2. REMOVE UPRR/CALTRAIN TRACKS ACCROSS BRIDGE AND SHIFT EXISTING UPRR/CALTRAIN BRIDGE TO EXTENDED ABUTMENTS.
- CONSTRUCT REMAINDER OF UPRR/CALTRAIN MAIN LINE TRACKS.
- OPEN UPRR/CALTRAIN MAIN LINE TRACKS TO SERVICE. REMOVE EXISTING UPRR/CALTRAIN MAIN LINE TRACKS.
- 6. CONSTRUCT ABUTMENT, BACKWALLS, AND RAILING ON EXPOSED PORTION OF EXISTING UPRR/CALTRAIN ABUTMENTS.
- 7. CONSTRUCT FINAL ACE BRIDGE AND TRACKS

<u>LEGEND:</u>

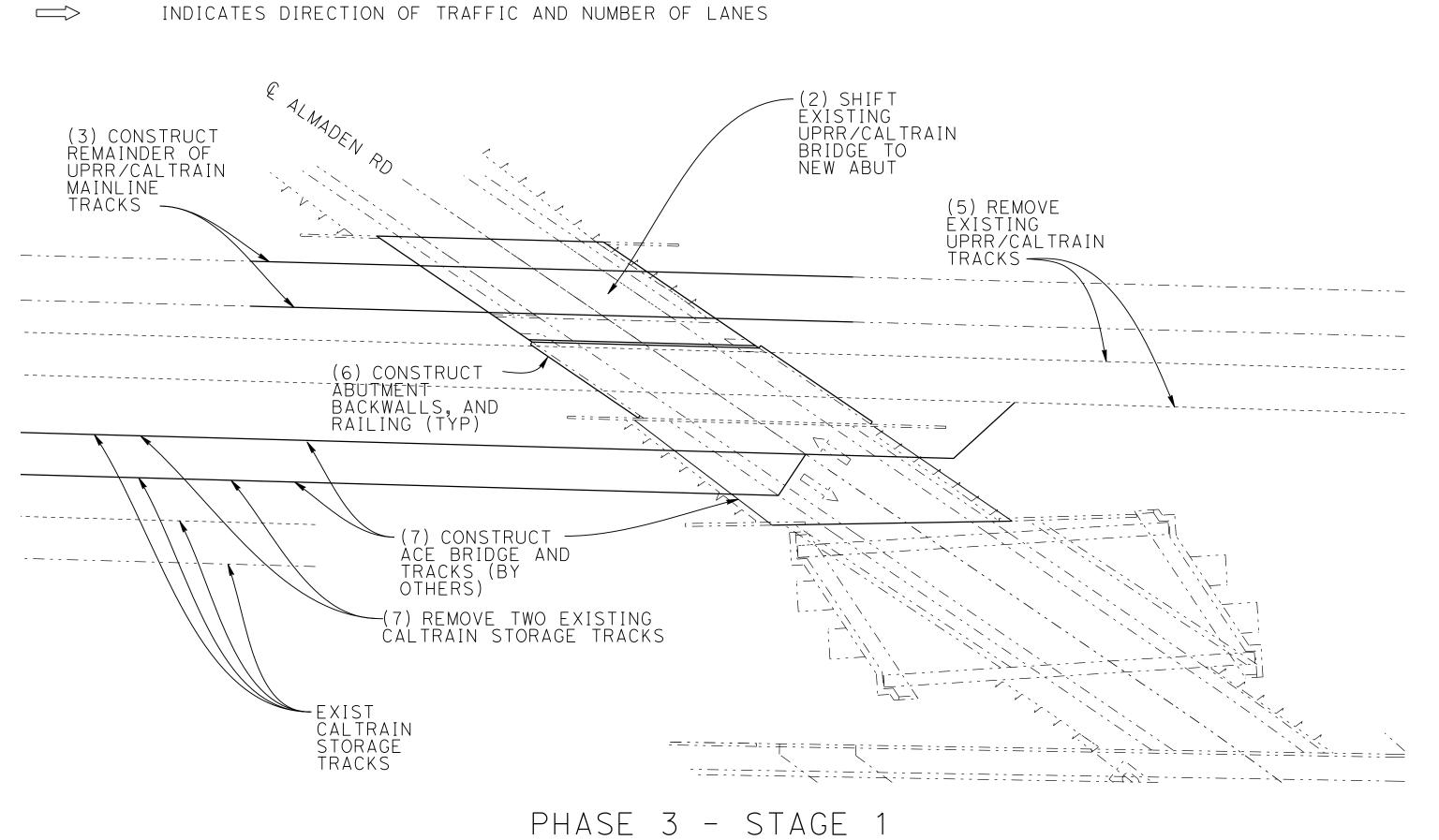
----- EXISTING FACILITY

----- NEW CONSTRUCTION

----- REMOVAL

PHASE 3 - STAGE 2 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10404)

- 1. REMOVE EXISTING CALTRAIN STORAGE TRACKS.
- 2. CONSTRUCT FINAL ACE BRIDGE AND TRACKS.
  3. CONSTRUCT HST TRACKS ON FINAL ALIGNMENTS.
- 4. OPEN HST TRACKS TO SERVICE.



(1) REMOVE EXISTING CALTRAIN STORAGE TRACKS (2) CONSTRUCI (3) CONSTRUCT
HST TRACKS
ON FINAL
ALIGNMENTS TWO CALTRAIN STORAGE TRACKS PHASE 3 - STAGE 2

SCHEMATIC PLAN NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1 BOOK 1D SHEET 138 OF 193** 

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## CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASE 3 ALMADEN RD UNDERPASS

CONTRACT NO. HSR15-34	1
DRAWING NO. CV-IO407	
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AS SHOWN	1

SHEET NO.

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MODIFY EXISTING ALMADEN EXPRESSWAY OVERHEAD

CONSTRUCTION

DATE

DESCRIPTION

BY CHK APP

- 1. CONSTRUCT CALTRAIN SHOOFLY TRACK AND TIE IN DURING TRAIN FREE WEEKEND. REMOVE EXISTING CALTRAIN AND UPRR MAINLINE TRACK.
- 2. CONSTRUCT NORTH HALF OF NEW BENT 2 DURING UPRR AND CALTRAIN SHOOFLY TRACK TRAIN FREE NIGHTS AND/OR WEEKENDS.
- 3. CONSTRUCT NORTH HALF OF NEW BRIDGE SUPERSTRUCTURE DURING UPRR AND CALTRAIN SHOOFLY TRACK TRAIN FREE NIGHTS AND/OR WEEKENDS. WORK DURING NORMAL WORK HOURS IS PERMISSIBLE ABOVE TEMPORARY FALSEWORK.

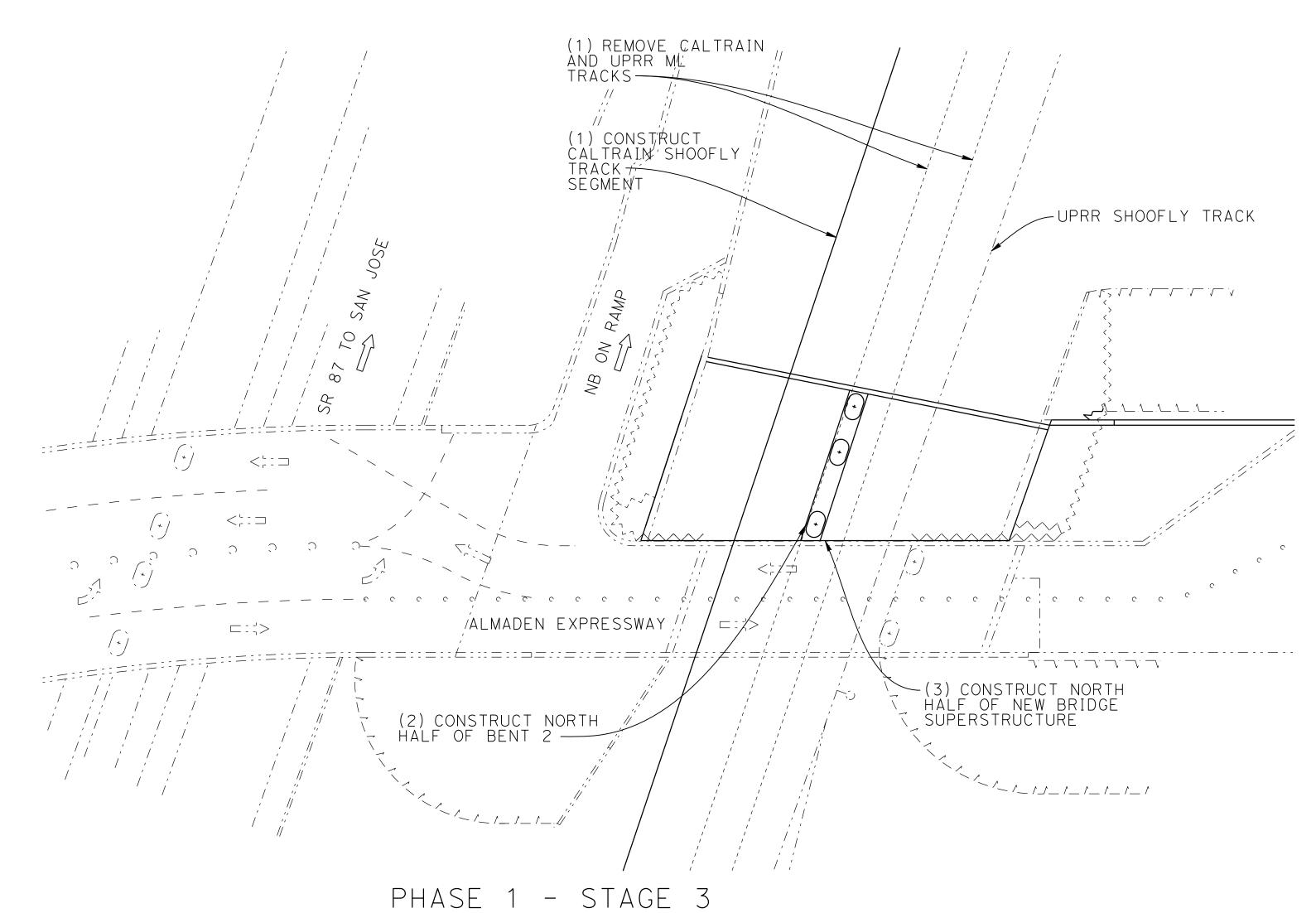
<u>LEGEND:</u>

---- EXISTING FACILITY

----- NEW CONSTRUCTION

----- REMOVAL

INDICATES DIRECTION OF TRAFFIC, AND NUMBER OF LANES



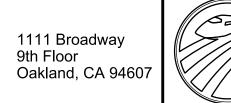
SCHEMATIC PLAN

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D **SHEET 140 OF 193** 

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NOT TO SCALE



### CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASE 1-STAGES 3 MODIFY EXISTING ALMADEN EXPRESSWAY OVERHEAD

CONTRACT NO. HSR15-34
DRAWING NO. CV-[0409
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SHEET NO.

NOT FOR CONSTRUCTION

#### PHASE 2 - STAGE 1 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10403) PHASE 2 - STAGE 2 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10403) 1. DIVERT ROADWAY TRAFFIC TO A SINGLE LANE IN EACH DIRECTION ON THE NORTH HALF OF NEW BRIDGE. PROVIDE 1. CONSTRUCT SOUTH HALF OF NEW BENT 2 DURING SEVERAL UPRR AND CALTRAIN SHOOFLY TRACK TRAIN FREE NIGHTS SINGLE LEFT TURN LANE WEST OF BRIDGE ONTO NB ON RAMP TO SR 87. CLOSE SOUTH HALF OF EXISTING BRIDGE TO AND/OR WEEKENDS. 2. CONSTRUCT SOUTH HALF OF NEW BRIDGE SUPERSTRUCTURE DURING SEVERAL UPRR AND CALTRAIN SHOOFLY TRACK TRAIN ROADWAY TRAFFIC. INSTALL BARRIER. REMOVE SUPERSTRUCTURE OF SOUTH HALF OF EXISTING BRIDGE. PLACE TRACK PROTECTION PANELS AND REMOVE SPAN FREE NIGHTS AND/OR WEEKENDS. WORK DURING NORMAL HOURS PERMISSIBLE ABOVE TEMPORARY FALSEWORK. OVER UPRR AND CALTRAIN SHOOFLY TRACKS DURING TWO TRACK TRAIN FREE WEEKEND. CONSTRUCT FINAL ALMADEN EXPRESSWAY AND NB ON RAMP TO SR87 ROADWAY SURFACES AND TRAFFIC SIGNALING AND 3. REVERSE TEMPORARY SHORING ADJACENT TO BOTH ABUTMENTS ALONG CENTERLINE OF ROAD TO ACCOMMODATE EXCAVATION OPEN ALL ROADWAYS TO TRAFFIC. 4. CONSTRUCT REMAINDER OF UPRR SPUR TRACK AND UPRR MAIN LINE TRACK ON FINAL ALIGNMENTS IN CLEAR OF EXISTING ON SOUTH SIDE. INSTALL SHORING BEHIND FOR NEW ABUT 3. REMOVE SOUTH HALF OF EXISTING ABUT 3 AND FILL IN FRONT OF EXISTING ABUT 3. REMOVE SOUTH HALF OF EXISTING UPRR SHOOFLY TRACK. BENT 2 DURING UPRR SHOOFLY TRACK TRAIN FREE NIGHTS AND/OR WEEKENDS. REMOVE SOUTH HALF OF EXISTING ABUTMENT 1 AND EXISTING FILL BEHIND EXISTING ABUT 1 DURING SEVERAL CALTRAIN SHOOFLY TRACK TRAIN FREE NIGHTS AND/OR WEEKENDS. EXCAVATE AS REQUIRED FOR CONSTRUCTION OF SOUTH HALF OF NEW ABUTMENT 1. 6. CONSTRUCT SOUTH HALF OF NEW ABUTMENT 3 AND SOUTH HALF OF NEW ABUT 1. BACKFILL BEHIND SOUTH HALF OF NEW ABUTMENT 1 AND ABUTMENT 3. <u>LEGEND:</u> ---- EXISTING FACILITY ----- NEW CONSTRUCTION ----- REMOVAL SHOOFLY TRACKS INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES -(3) FINALIZE TRAFFIC SURFACES AND RESTORE ≻(4) CONSTRUCT UPRR SPUR TRACK AND UPRR MAIN TRAFFIC FLOW (4) REMOVE SOUTH HALF OF EXIST PIER 2 LINE TRACK $L_{L_{1}} L_{1} L_{1} L_{2} L_{3} L_{4} L_{4} L_{5} L_{5}$ $L_{L_{1}} L_{1} L_{1}$ NB -(1) DIVERT TRAFFIC TO NORTH SIDE OF NEW $\frac{1}{2} = \frac{1}{2} = \frac{1}$ $\infty$ BRIDGE SPAN $\infty$ -(6) CONSTRUCT SOUTH HALF OF NEW ABUT 3 AND PLACE BACKFILL $\triangle$ . $\triangle$ . $\triangle$ . $\triangle$ . $\triangle$ . $\triangle$ (3) REVERSE SHORING ALONG & BRIDGE FOR EXCAVATION -(3) INSTALL SHORING BEHIND NEW ABUT (TYP) (2) CONSTRUCT SOUTH HALF OF NEW BRIDGE SUPERSTRUCTURE (4) REMOVE SOUTH HALF OF ABUT 3 AND FILL (5) REMOVE SOUTH HALF OF EXIST ABUT 1 AND FILL — ~~~ /\_/\_ /\_ /\_ /\_ / \_ / \_ / \_ / -(2) REMOVE (6) CONSTRUCT SOUTH HALF OF NEW ABUT 1 AND PLACE -(1) CONSTRUCT SOUTH HALF OF NEW BENT 2 SUPERSTRUCTURE OF SOUTH HALF OF EXISTING BRIDGE BACKFILL PHASE 2 - STAGE 1 PHASE 2 - STAGE 2 SAN JOSE TO CVY EIR/S: VOLUME III SCHEMATIC PLAN **ALTERNATIVE 1 BOOK 1D** NOT TO SCALE **SHEET 141 OF 193** DESIGNED BY CALIFORNIA HIGH-SPEED TRAIN PROJECT RECORD PEPD HSR15-34 SUBMITTAL DRAWN BY **SAN JOSE TO MERCED** DRAWING NO. CV-I0410 1111 Broadway HNTB MAY 3, 2020 MONTEREY CORRIDOR CHECKED BY 9th Floor Oakland, CA 94607 VIADUCT High-Speed Rail Authority AS SHOWN N CHARGE NOT FOR CONSTRUCTION STAGING-PHASE 2 SHEET NO. CONSTRUCTION DATE MODIFY EXISTING ALMADEN EXPRESSWAY OVERHEAD DESCRIPTION BY CHK APP

- 1. TIE IN UPRR SPUR TRACK AND UPRR MAIN LINE TRACK AT EACH END DURING TRAIN FREE NIGHT AND/OR WEEKEND AND
- OPEN UPRR SPUR TRACK AND UPRR MAIN LINE TRACK TO SERVICE. 2. REMOVE TEMPORARY UPRR SHOOFLY TRACK AND SPUR SHOOFLY TURNOUT. CONSTRUCT REMAINDER OF CALTRAIN MAIN LINE TRACK ON FINAL ALIGNMENT IN CLEAR OF NEW UPRR MAIN LINE. TIE IN CALTRAIN MAIN LINE TRACK AT EACH END DURING TRAIN FREE NIGHT AND/OR WEEKEND AND OPEN CALTRAIN MAIN LINE TRACK TO SERVICE.

3. RECONSTRUCT RAMP TO ORIGINAL CONFIGURATION

#### PHASE 3 - STAGE 2 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10404)

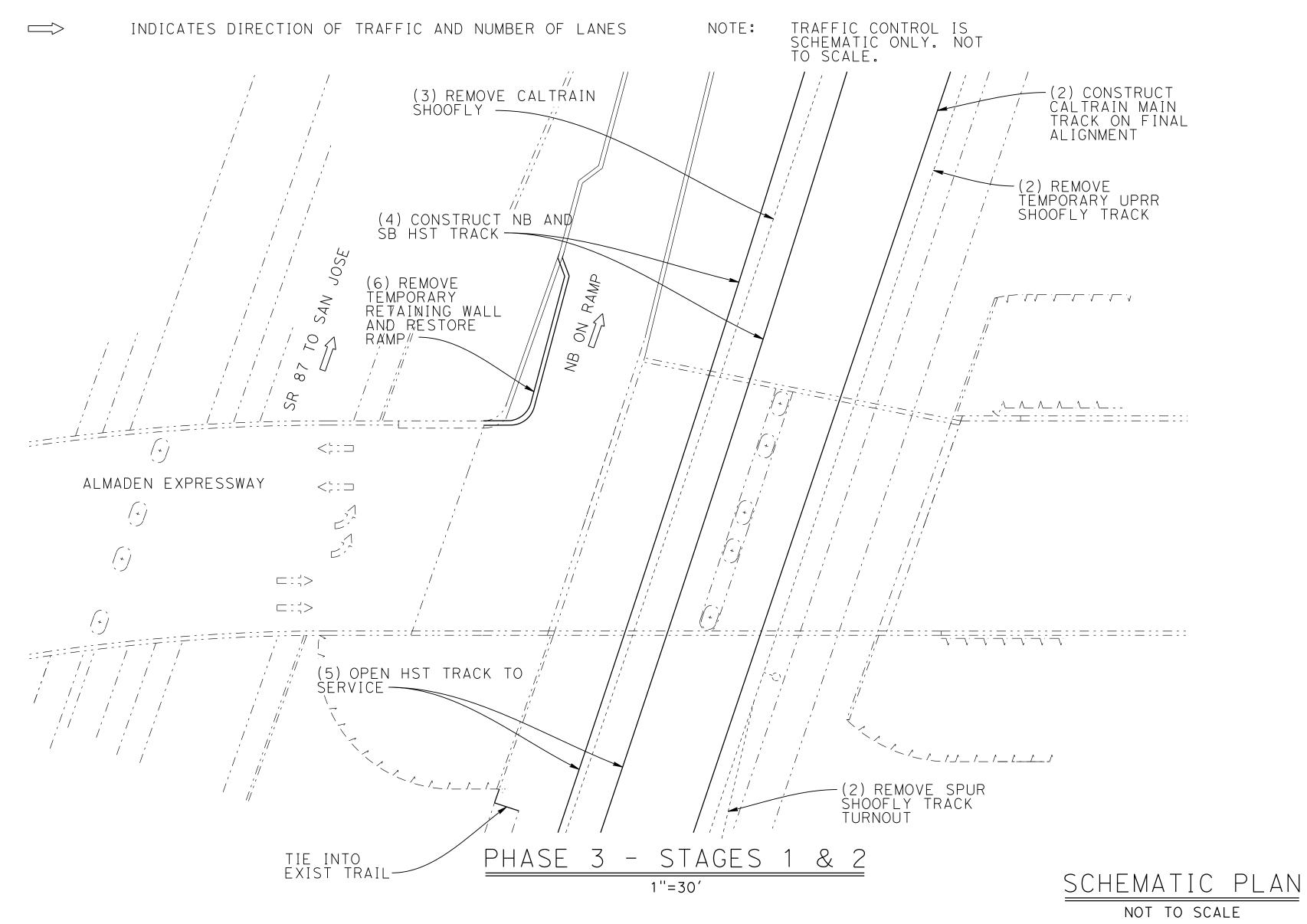
- 4. CONSTRUCT NB AND SB HST TRACK INCLUDING OCS AND SIGNALS.
- 5. OPEN HST TRACK TO SERVICE.
- 6. REMOVE TEMPORARY RETAINING WALL AND RESTORE RAMP

### <u>LEGEND:</u>

---- EXISTING FACILITY

----- NEW CONSTRUCTION

----- REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 1** BOOK 1D SHEET 142 OF 193

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<u>e</u>	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	CONSTRUCTION

HNTB

1111 Broadway 9th Floor Oakland, CA 94607



### CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASE 3 MODIFY EXISTING ALMADEN EXPRESSWAY OVERHEAD

HSR15-34
DRAWING NO.  CV-[0411
scale AS SHOWN

#### PHASE I - STAGE 1 CONSTRUCTION STEPS (SEE ALSO DRAWING CI6001)

DIVERT ROADWAY TRAFFIC TO A SINGLE LANE IN EACH DIRECTION ON THE SOUTHERLY SIDE OF EXISTING BRIDGE. REMOVE APPROACH SPANS OF NORTHERLY HALF OF EXISTING BRIDGE. PLACE TRACK PROTECTION PANELS AND REMOVE NORTHERLY HALF OF SPAN OVER UPRR AND CALTRAIN MAIN LINE TRACKS DURING CALTRAIN/UPRR TRAIN FREE WEEKEND.

#### PHASE I - STAGE 2 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-IO401)

- PLACE TEMPORARY SHORING ADJACENT TO BOTH ABUTS ALONG CENTERLINE OF CURTNER AVENUE. PLACE NEW RETAINING WALL IN FRONT OF NORTHERLY SIDE OF ABUT 1 AND ABUT 4.
- REMOVE NORTHERLY HALF OF EXISTING BENT 2 AND BENT 3 DURING CALTRAIN/UPRR TRAIN FREE NIGHTS AND/OR WEEKENDS. REMOVE FILL IN FRONT OF NORTHERLY ABUTS.

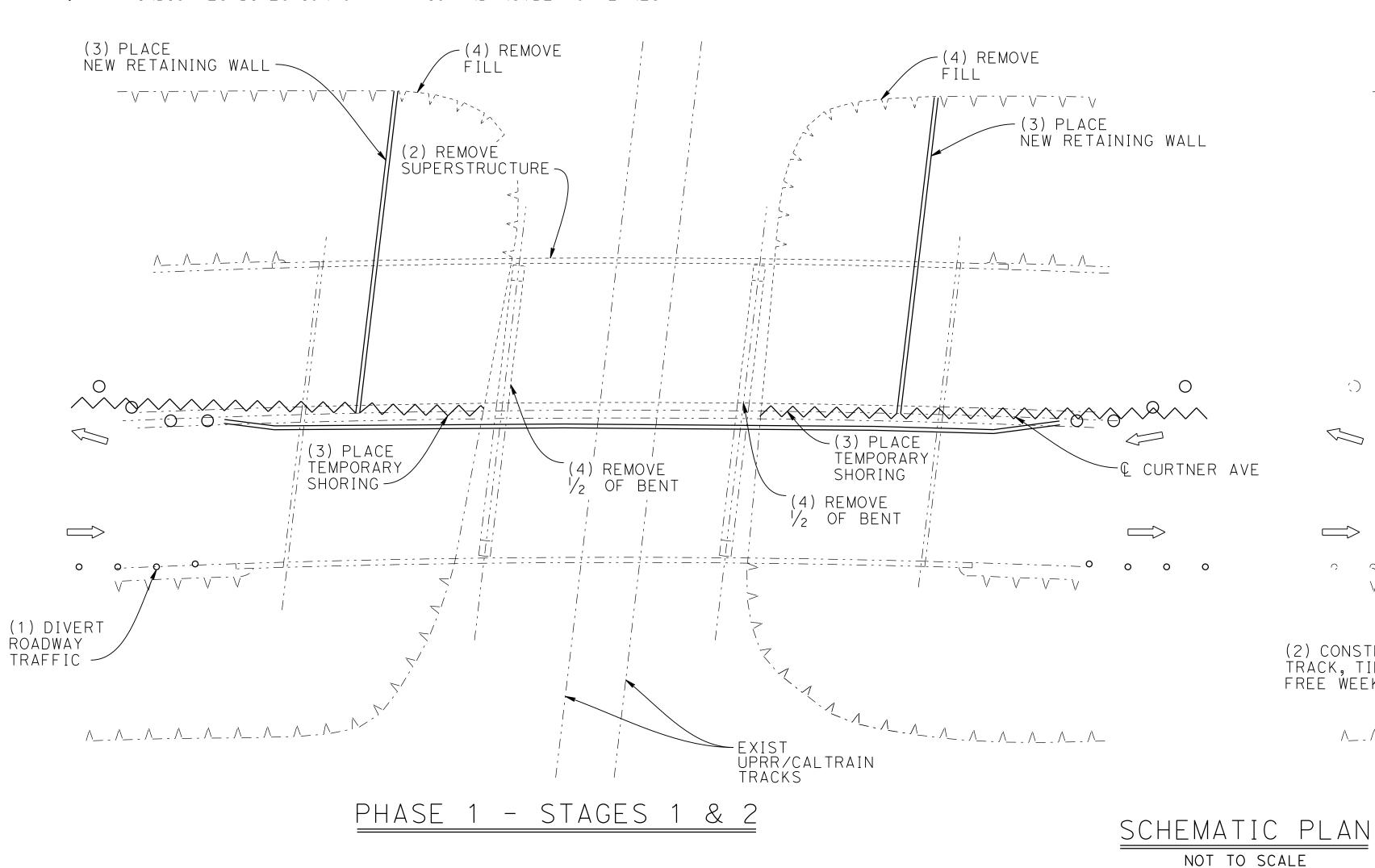
### LEGEND:

----- EXISTING FACILITY

-----NEW CONSTRUCTION

----- REMOVAL

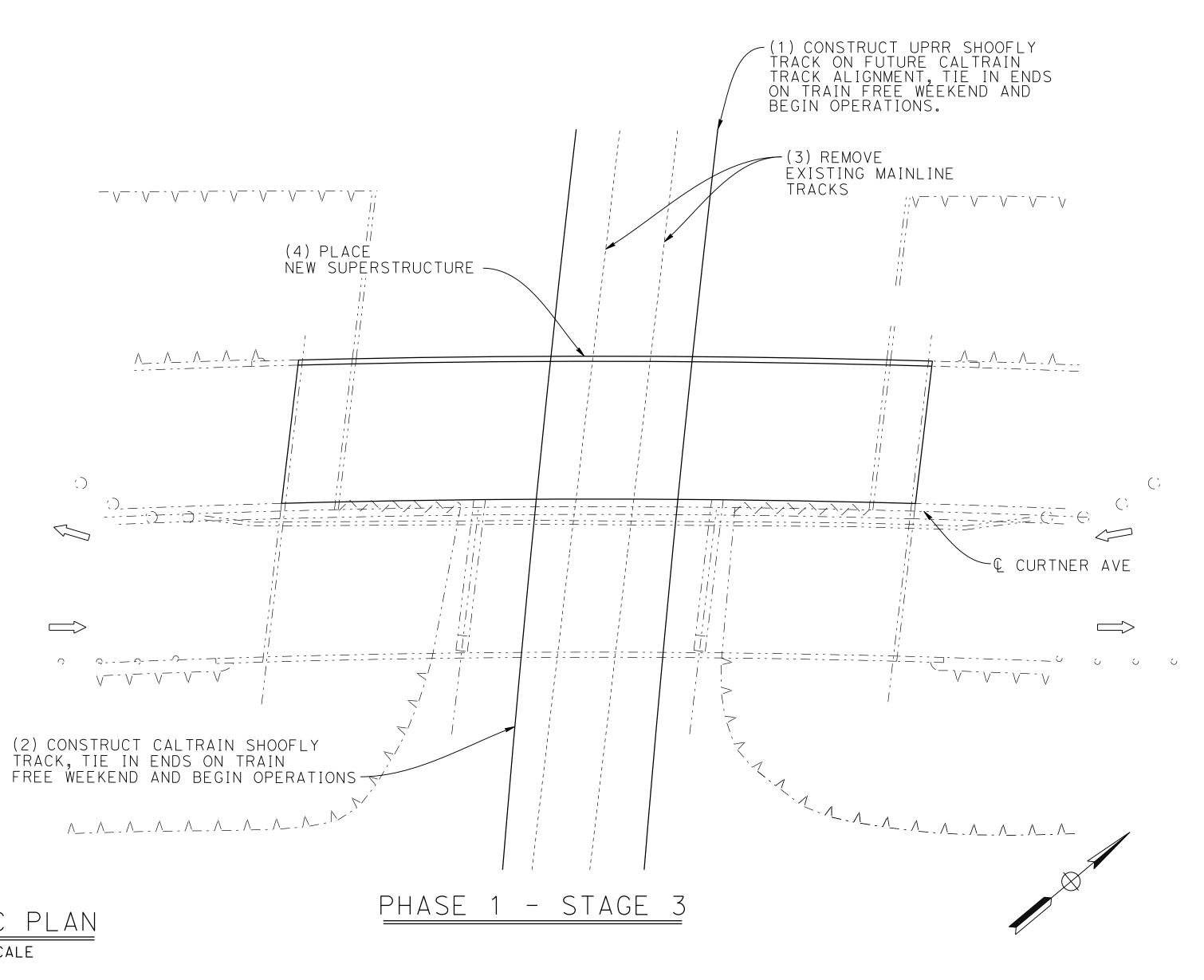
INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES



PHASE I - STAGE 3 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10401)

- CONSTRUCT UPRR SHOOFLY TRACK ON FINAL CALTRAIN MAINLINE TRACK ALIGNMENT. TIE IN ENDS OF UPRR SHOOFLY
- TRACK DURING TRAIN FREE WEEKEND AND BEGIN OPERATIONS ON UPRR SHOOFLY TRACK. CONSTRUCT CALTRAIN SHOOFLY TRACK ON WEST SIDE. TIE IN ENDS DURING TRAIN FREE WEEKEND AND BEGIN OPERATIONS ON CALTRAIN SHOOFLY TRACK.
- REMOVE EXISTING UPRR AND CALTRAIN MAINLINE TRACKS DURING CALTRAIN/UPRR TRAIN-FREE NIGHTS AND/OR WEEKENDS.
- MODIFY ABUTMENTS AS REQUIRED AND PLACE NEW NORTHERLY SUPERSTRUCTURE DURING CALTRAIN/UPRR TRAIN FREE NIGHTS AND/OR WEEKENDS.

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 143 OF 193



DESIGNED BY DRAWN BY CHECKED BY IN CHARGE CONSTRUCTION DATE BY CHK APP DESCRIPTION

RECORD PEPD SUBMITTAL MAY 3, 2020

NOT FOR

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## CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASE 1 MODIFY EXISTING CURTNER AVENUE OVERHEAD

HSR15-34 DRAWING NO. CV-I0412 AS SHOWN

# PHASE 2 - STAGE 1 CONSTRUCTION STEPS (SEE ALSO DRAWING CI6003)

LEGEND:

- DIVERT ROADWAY TRAFFIC TO ONE LANE IN EACH DIRECTION ON NORTHERLY SIDE OF NEW BRIDGE.
- REMOVE APPROACH SPANS OF SOUTHERLY HALF OF EXISTING BRIDGE. PLACE TRACK PROTECTION PANELS AND REMOVE SPAN OVER SHOOFLY TRACKS DURING TRAIN FREE WEEKEND.
- PLACE NEW RETAINING WALL IN FRONT OF SOUTHERLY SIDE OF ABUT 1 AND ABUT 4.
- REMOVE SOUTHERLY HALF OF EXISTING BENT 2 AND BENT 3 DURING CALTRAIN/UPRR MAIN LINE TRAIN FREE NIGHTS AND/OR WEEKENDS. REMOVE FILL AND TEMPORARY SHORING IN FRONT OF SOUTHERLY ABUTS.

#### PHASES 2 - STAGE 2 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-10402)

- MODIFY ABUTMENTS AS REQUIRED AND PLACE NEW SOUTHERLY SUPERSTRUCTURE DURING UPRR/CALTRAIN TRAIN FREE NIGHTS AND/OR WEEKENDS.
- REROUT ROADWAY TRAFFIC TO NORMAL OPERATIONS ACROSS NEW BRIDGE.
- CONSTRUCT UPRR MAINLINE TRACK ON FINAL ALIGNMENT.

#### PHASES 3 - STAGE 1 CONSTRUCTION STEPS (SEE ALSO DRAWING CV-IO403)

- TIE IN ENDS DURING TRAIN FREE WEEKEND AND BEGIN NORMAL OPERATIONS ON UPRR MAINLINE TRACK.
- CONSTRUCT CALTRAIN MAINLINE TRACK AT EACH END OF UPRR SHOOFLY TRACK. TIE IN ENDS DURING TRAIN FREE
- WEEKEND AND BEGIN NORMAL OPERATIONS ON CALTRAIN MAINLINE TRACK.
- REMOVE CALTRAIN SHOOFLY TRACK

#### PHASES 3 - STAGE 2 CONSTRUCTION STEP (SEE ALSO DRAWING CV-10404)

CONSTRUCT HST TRACKS, INCLUDING OCS AND SIGNALS, AND OPEN TO SERVICE.

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D **SHEET 144 OF 193** (5) CONVERT UPRR SHOOFLY TRACK TO CALTRAIN MAINLINE TRACK, TIE IN ENDS ON TRAIN FREE WEEKEND AND BEING OPERATIONS — (3) CONSTRUCT UPRR MAINLINE TRACK (4) TIE (6) REMOVE IN ENDS DURING TRAIN FREE WEEKEND AND CALTRAIN SHOOFLY TRACK — BEGIN OPERATIONS (2) REROUT ROADWAY CURTNER AVE (1) PLACE NEW SUPERSTRUCTURE (7) CONSTRUCT HST LINES INCLUDING OCS AND SIGNALS-PHASE 2 STAGE 1& 2 & PHASE 3

---- EXISTING FACILITY -----NEW CONSTRUCTION ----- REMOVAL INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES UPRR SHOOFLY (1) DIVERT TRAFFIC NORTH SIDE OF NEW BRIDGE (4) REMOVE (4) REMOVE TEMPORARY SHORING — (4) REMOVE (4) REMOVE TEMPORARY BENT — SHORING CURTNER AVE (1) DIVERT ROADWAY TRAFFIC — (2) REMOVE SUPERSTRUCTURE -(3) PLACE (3) PLACE NEW RETAINING WALL NEW RETAINING WALL (4) REMOVE \\_ \_ \\_ \_ \\_ \_ \\_ \_ \\_ \_ \ CALTRAIN SHOOFLY TRACK -(4) REMOVE PHASE 2 - STAGE 1

SCHEMATIC PLAN NOT TO SCALE

DESIGNED BY CHECKED BY IN CHARGE CONSTRUCTION DATE BY CHK APP DESCRIPTION

RECORD PEPD SUBMITTAL MAY 3, 2020

NOT FOR

1111 Broadway 9th Floor Oakland, CA 94607 HNTB



## CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MONTEREY CORRIDOR VIADUCT CONSTRUCTION STAGING-PHASES 2 & 3 MODIFY EXISTING CURTNER AVENUE OVERHEAD

HSR15-34 DRAWING NO. CV-I0413 AS SHOWN

### STAGE ONE:

- 1. PARTIALLY CONSTRUCT BOLSA ROAD REALIGNMENT.
- 2. CONTINUE TRAFFIC ON EXISTING BOLSA ROAD.
- 3. PARTIALLY CONSTRUCT BLOOMFIELD ROAD GRADE SEPARATION REALIGNMENT.
- 4. CONTINUE TRAFFIC ON EXISTING BLOOMFIELD AVENUE.
- 5. CONSTRUCT TEMPORARY DETOUR ROADWAY ON WEST SIDE OF EXISTING FRAZIER LAKE ROAD.
- 6. CONTINUE TRAFFIC ON EXISTING FRAZIER LAKE ROAD.

### STAGE TWO:

- 1. CONSTRUCT BLOOMFIELD ROAD GRADE SEPARATION REALIGNMENT AT THE INTERSECTION WITH EXISTING SHELDON AVENUE.
- 2. CONTINUE TRAFFIC ON EXISTING BLOOMFIELD AVENUE.
- 3. CONSTRUCT FRAZIER LAKE ROAD GRADE SEPARATION.
- 4. DETOUR TRAFFIC ON FRAZIER LAKE ROAD TO TEMPORARY DETOUR ROADWAY ON WEST SIDE OF EXISTING FRAZIER LAKE ROAD.

#### STAGE THREE:

- 1. CONSTRUCT NORTH AND SOUTH BLOOMFIELD ROAD GRADE SEPARATION REALIGNMENT CONFORMS USE FLAGGERS FOR TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL.
- 2. RESTORE TRAFFIC ONTO BLOOMFIELD ROAD GRADE SEPARATION REALIGNMENT.
- 3. CONSTRUCT BOLSA ROAD REALIGNMENT CONFORMS USE FLAGGERS FOR TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL.
- 4. RESTORE TRAFFIC TO BOLSA ROAD REALIGNMENT.
- 5. CONSTRUCT FRAZIER LAKE ROAD GRADE SEPARATION NORTH AND SOUTH CONFORMS USE FLAGGERS FOR TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL.
- 6. RESTORE TRAFFIC ONTO FRAZIER LAKE ROAD GRADE SEPARATION.
- 7. REMOVE TEMPORARY DETOUR ROADWAY ON WEST SIDE OF FRAZIER LAKE ROAD GRADE SEPARATION.

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D **SHEET 145 OF 193** 

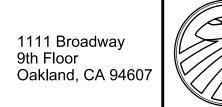
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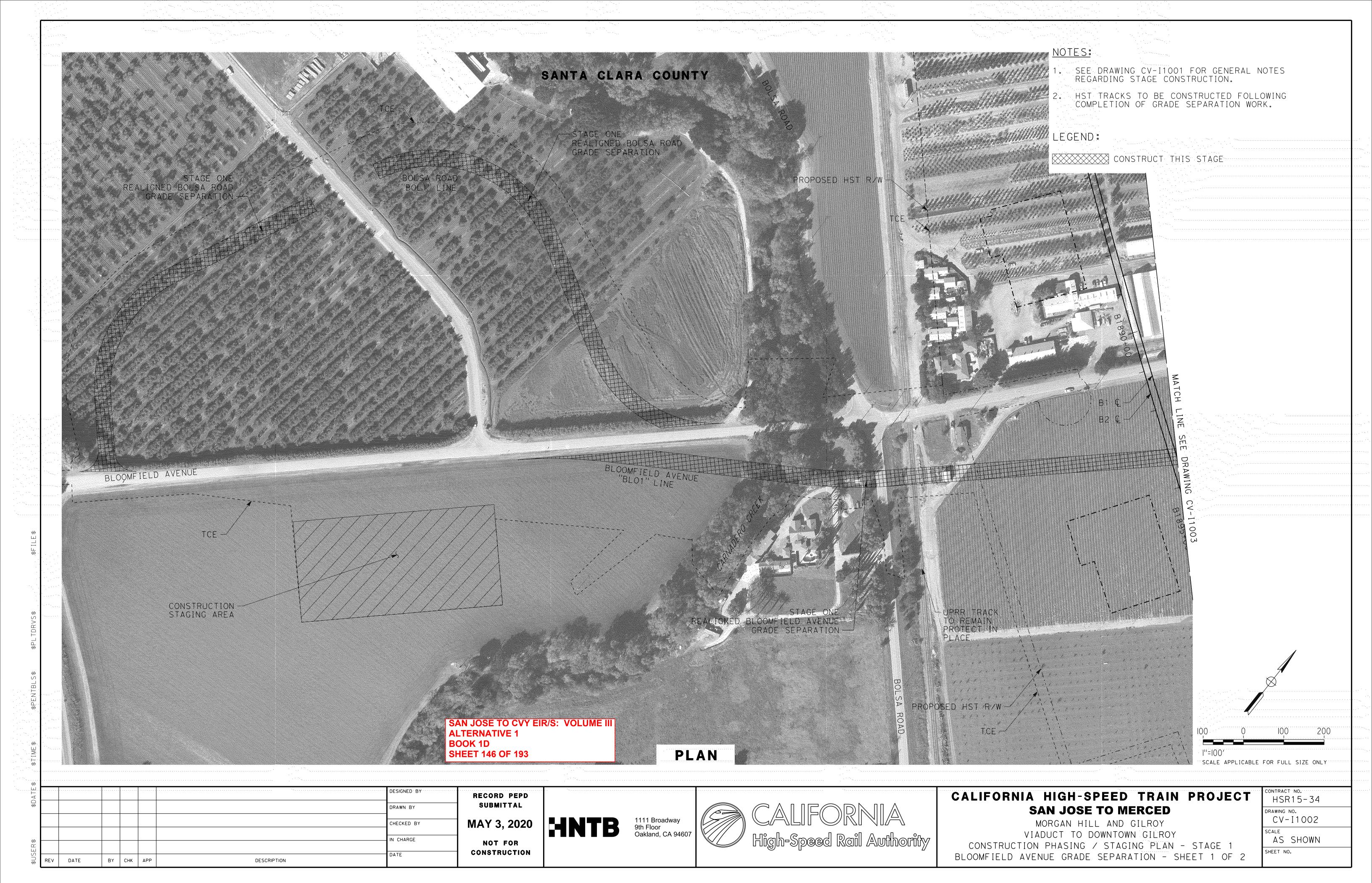


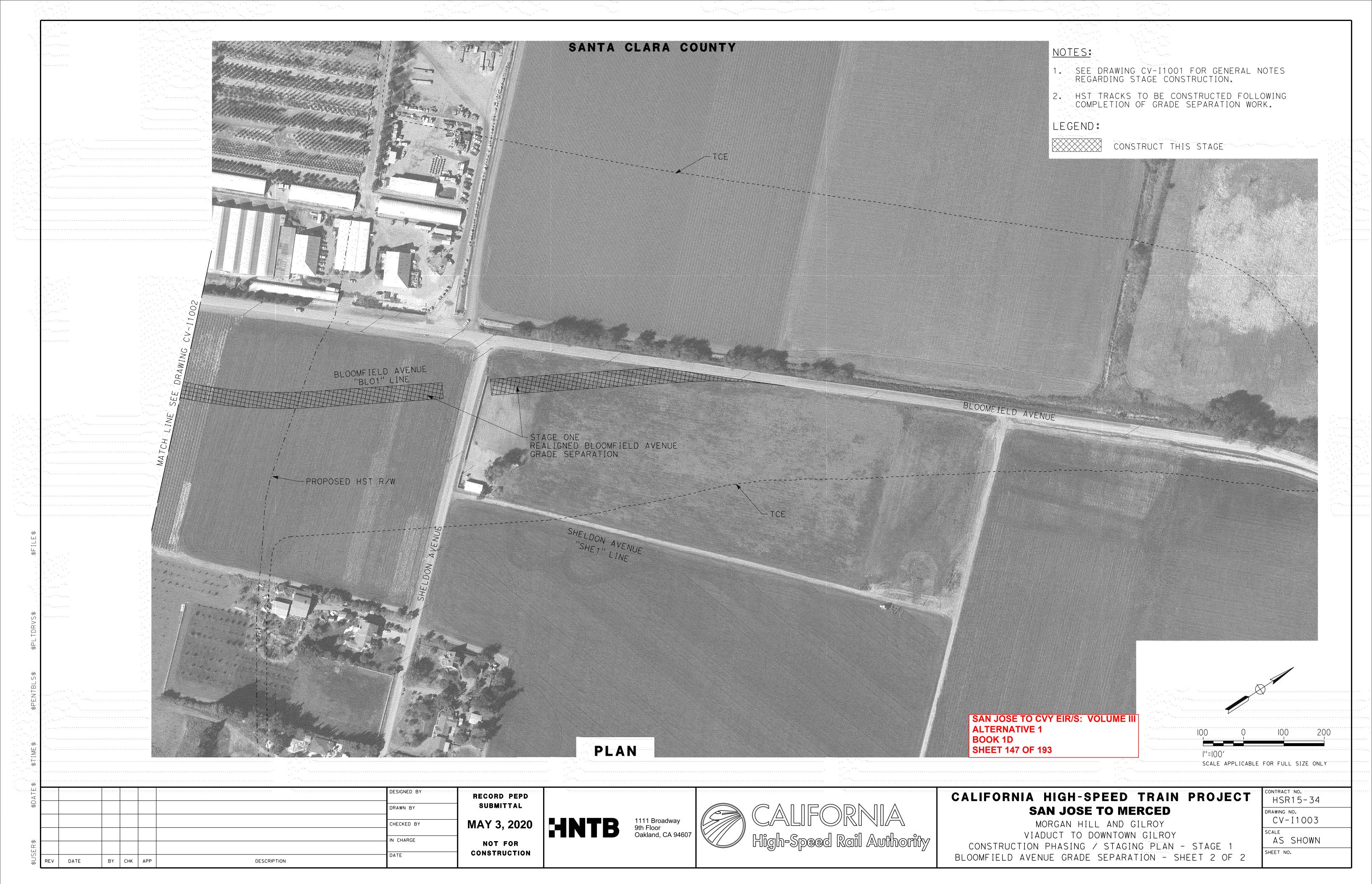
### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY CONSTRUCTION PHASING / STAGING PLAN GENERAL NOTES

CONTRACT NO. HSR15-34 DRAWING NO. CV-I1001

AS SHOWN SHEET NO.







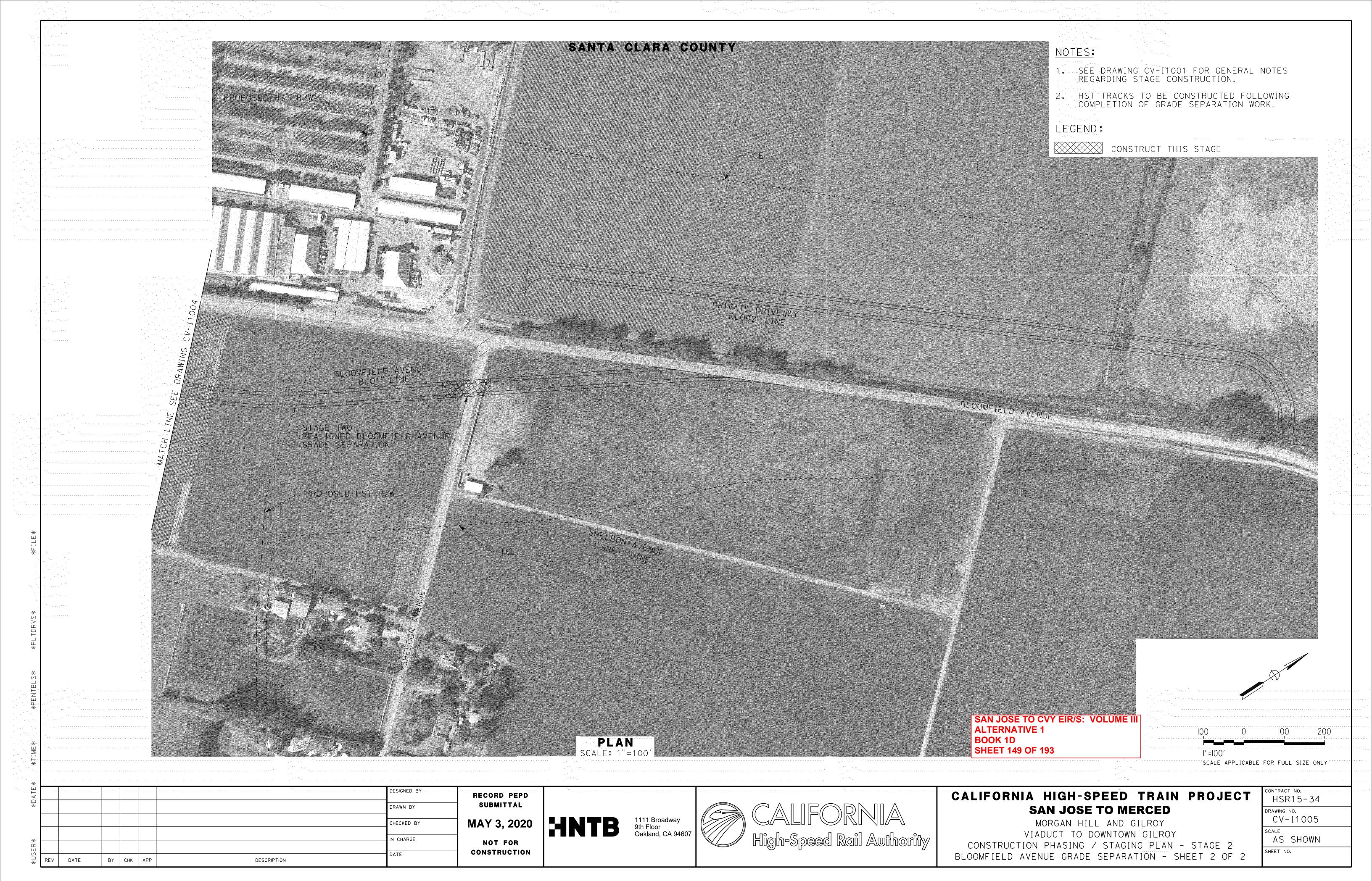
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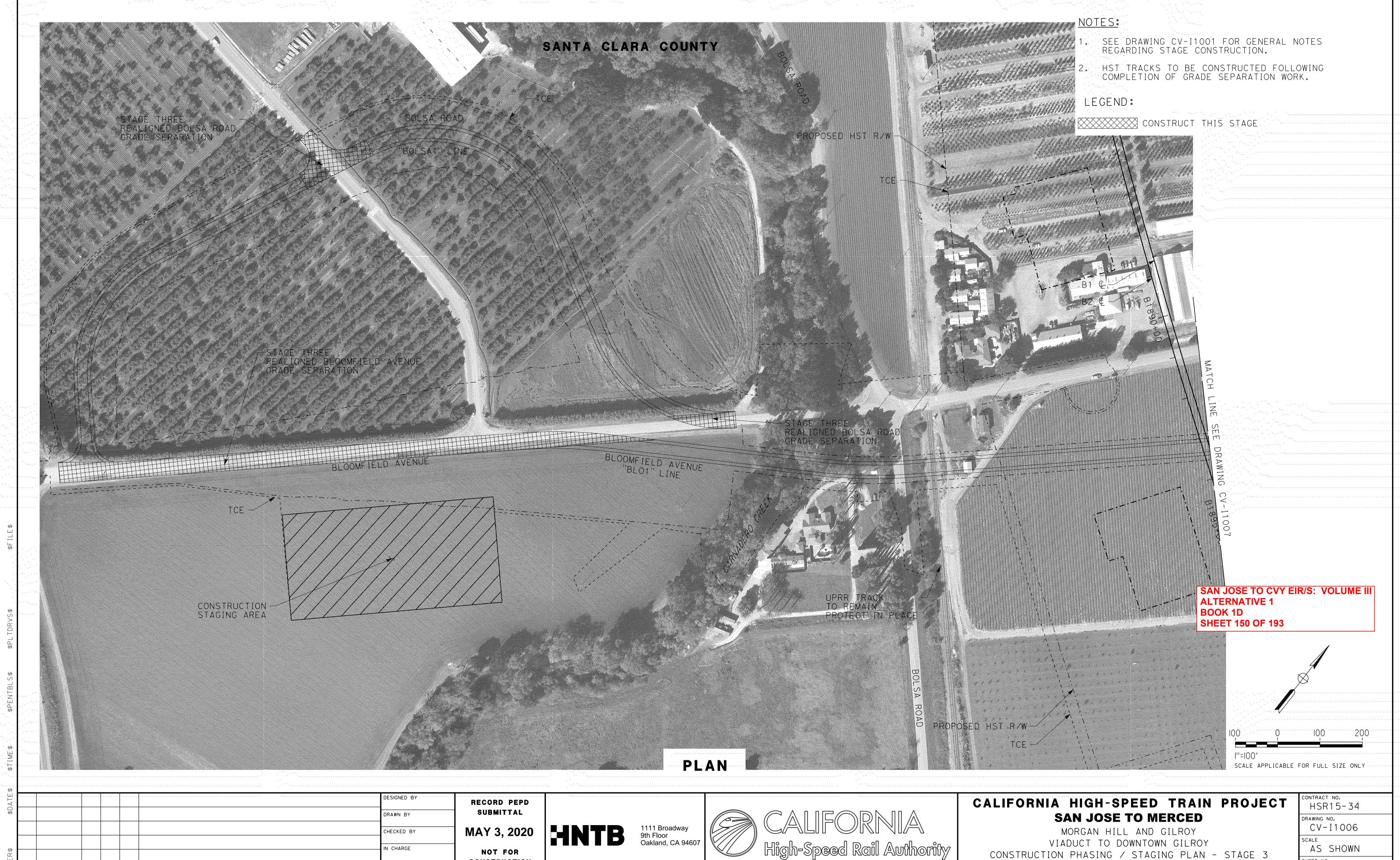
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SHEET NO.

CONSTRUCTION PHASING / STAGING PLAN - STAGE 2 BLOOMFIELD AVENUE GRADE SEPARATION - SHEET 1 OF 2





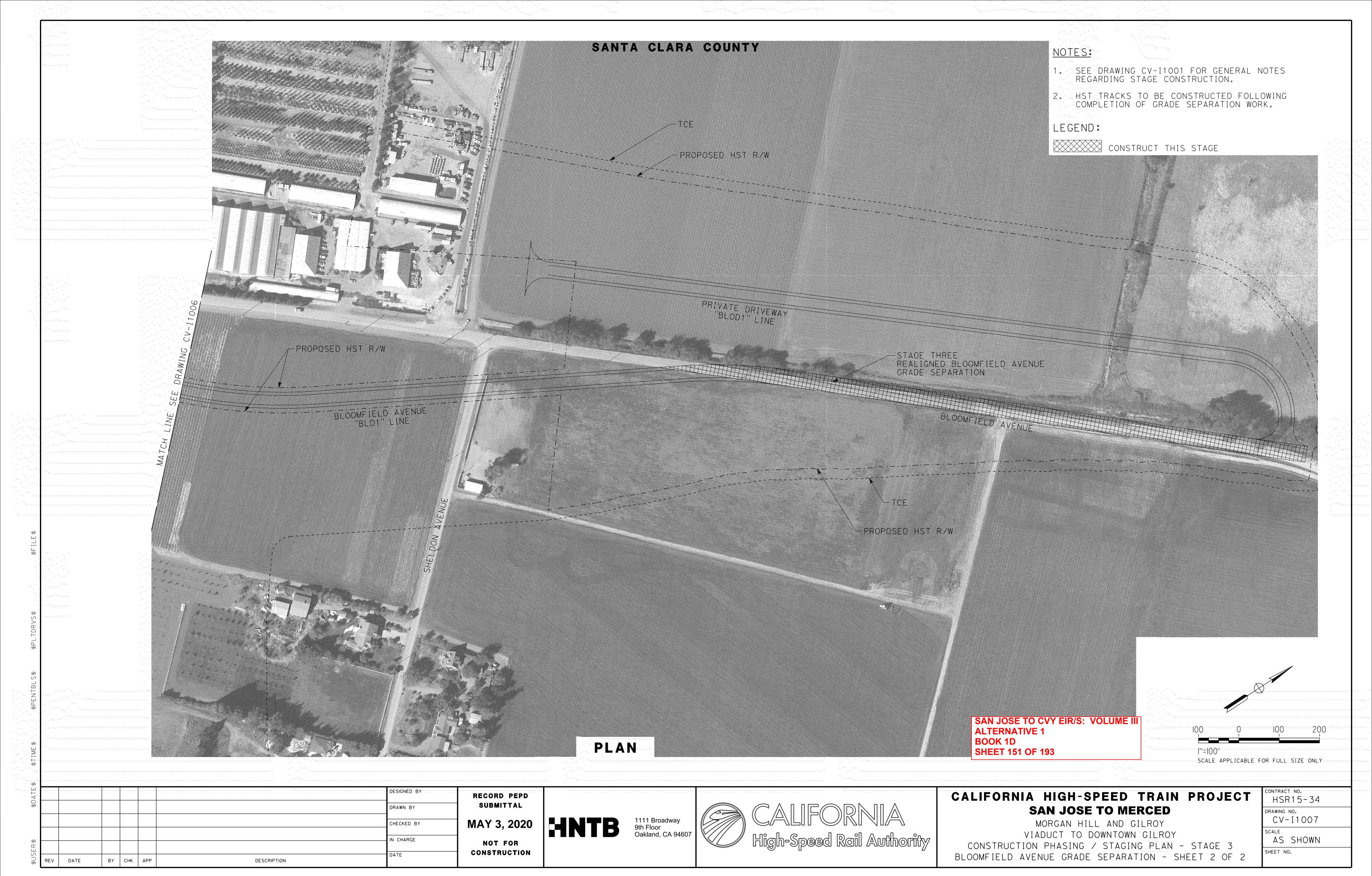
CONSTRUCTION

BY CHK APP

DESCRIPTION

SHEET NO.

BLOOMFIELD AVENUE GRADE SEPARATION - SHEET 1 OF 2



- 2. DIRECT TRAFFIC ONTO DETOUR AND CLOSE EXISTING ROADWAY TO ALLOW FOR CONSTRUCTION OF GRADE SEPARATION.
- 3. CLOSE VOLTA ROAD AND DETOUR TRAFFIC ONTO INGOMAR GRADE ROAD TO HENRY MILLER ROAD.
- 4. RESTORE TRAFFIC TO HENRY MILLER ROAD AFTER COMPLETION OF GRADE SEPARATION WORK.
- 5. CONSTRUCT REMAINING PORTION OF OF VOLTA RD.
- 6. REMOVE TEMPORARY ROADWAY.

#### SR-165 / MERCEY SPRINGS ROAD DETOUR:

- 1. BUILD TEMPORARY DETOUR ROADWAY ON WEST SIDE OF SR-165 / MERCEY SPRINGS ROAD. SEE DRAWING CV-I1604 FOR DETAILS.
- 2. DIRECT TRAFFIC ONTO DETOUR AND CLOSE EXISTING ROADWAY TO ALLOW FOR CONSTRUCTION OF GRADE SEPARATION.
- 3. RESTORE TRAFFIC TO SR-165 / MERCEY SPRINGS ROAD UPON COMPLETION OF GRADE SEPARATION WORK.
- 4. REMOVE TEMPORARY ROADWAY.

#### DELTA ROAD DETOUR:

- 1. BUILD TEMPORARY DETOUR ROADWAY ON EAST SIDE OF DELTA ROAD. SEE DRAWING CV-I1605 FOR DETAILS.
- 2. DIRECT TRAFFIC ONTO DETOUR AND CLOSE EXISTING ROADWAY TO ALLOW FOR CONSTRUCTION OF GRADE SEPARATION AND FRONTAGE ROAD.
- 3. RESTORE TRAFFIC TO DELTA ROAD UPON COMPLETION OF GRADE SEPARATION WORK.
- 4. REMOVE TEMPORARY ROADWAY.

### TURNER ISLAND ROAD DETOUR:

- 1. CONSTRUCT CONNECTOR ROAD AND TEMPORARY DETOUR ROADWAY ON WEST SIDE OF TURNER ISLAND ROAD. SEE DRAWING CV-I1606 FOR DETAILS.
- 2. DIRECT TRAFFIC ONTO DETOUR / CONNECTOR ROAD DURING CONSTRUCTION OF GRADE SEPARATION.
- 3. RESTORE TRAFFIC TO TURNER ISLAND ROAD UPON COMPLETION OF GRADE SEPARATION
- 4. REMOVE TEMPORARY ROADWAY.

#### CARLUCCI ROAD DETOUR:

- 1. BUILD TEMPORARY DETOUR ROADWAY ON EAST SIDE OF CARLUCCI ROAD. SEE DRAWING CV-I1607 FOR DETAILS.
- 3. DIRECT TRAFFIC ONTO DETOUR AND CLOSE EXISTING CARLUCCI ROAD TO ALLOW FOR CONSTRUCTION OF GRADE SEPARATION.
- 4. RESTORE TRAFFIC TO CARLUCCI ROAD, REALIGNED HENRY MILLER ROAD, AND REALIGNED HUTCHINS ROAD UPON COMPLETION OF GRADE SEPARATION WORK.
- 5. REMOVE TEMPORARY ROADWAYS.

### NOTES:

1. GRADE SEPARATION CONSTRUCTION SHALL BE PHASED TO AVOID CONCURRENT CLOSURE OF ANY TWO ROADWAYS WITHIN A 2-MILE RADIUS.

> SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 152 OF 193

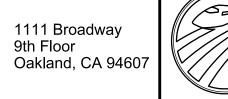
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RECORD PEPD SUBMITTAL MAY 3, 2020

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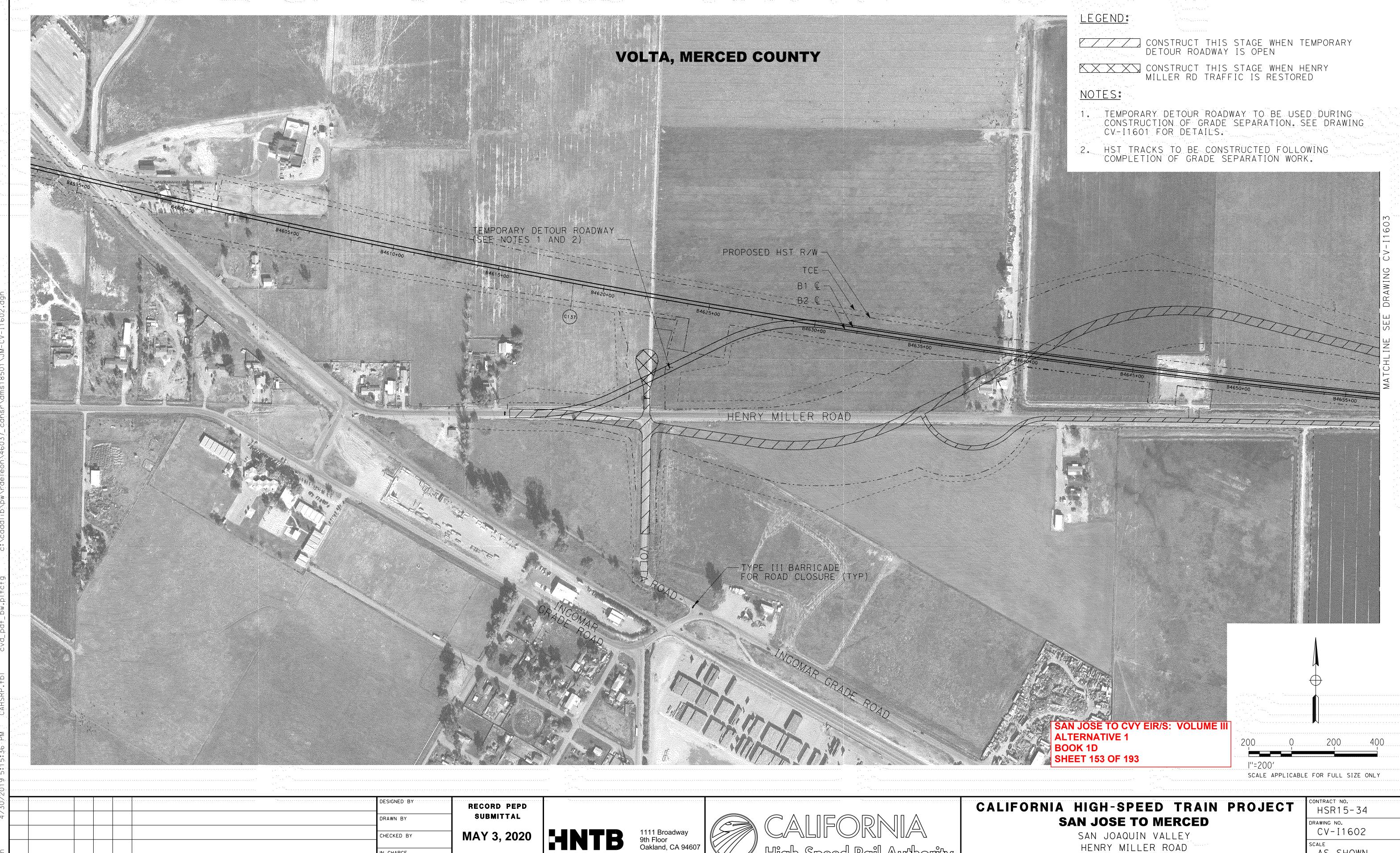


# CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

SAN JOAQUIN VALLEY HENRY MILLER ROAD CONSTRUCTION STAGING PLAN GENERAL NOTES

HSR15-34 DRAWING NO. CV-I1601

NO SCALE SHEET NO.



BY CHK APP

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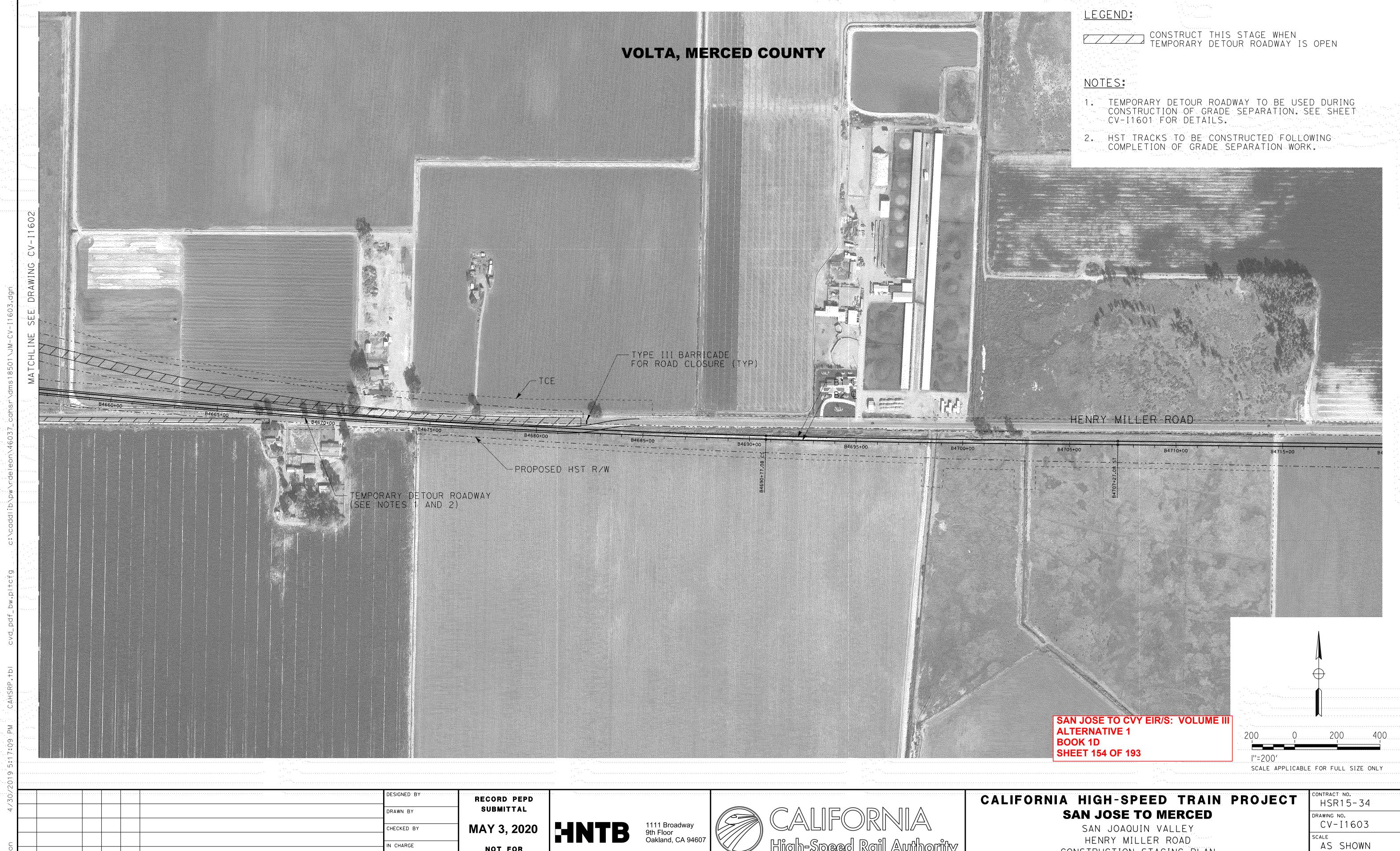
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HENRY MILLER ROAD CONSTRUCTION STAGING PLAN HENRY MILLER ROAD GRADE SEPARATION

HSR15-34
DRAWING NO.  CV-I1602
scale AS SHOWN



CONSTRUCTION STAGING PLAN

HENRY MILLER ROAD GRADE SEPARATION

SHEET NO.

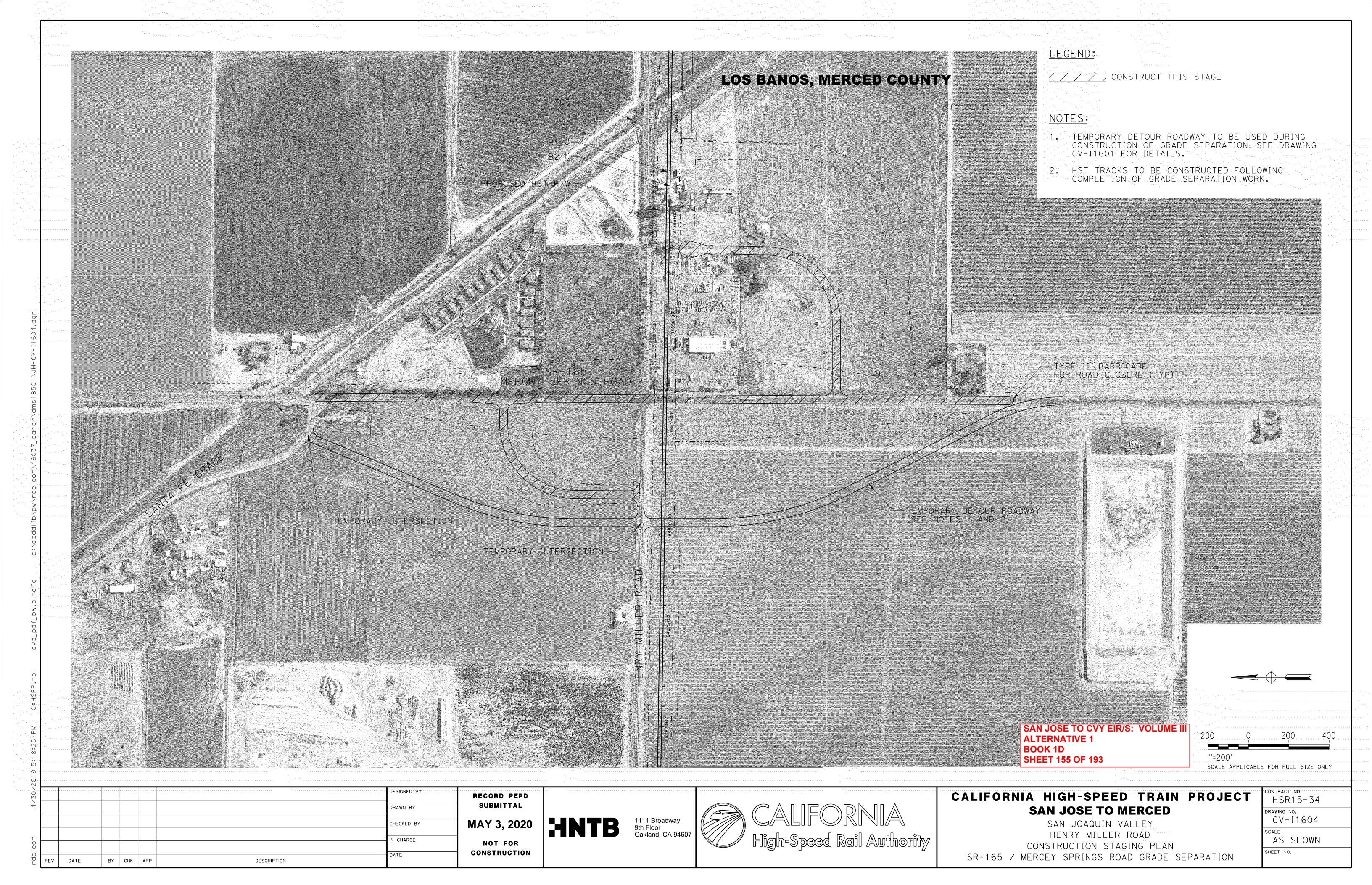
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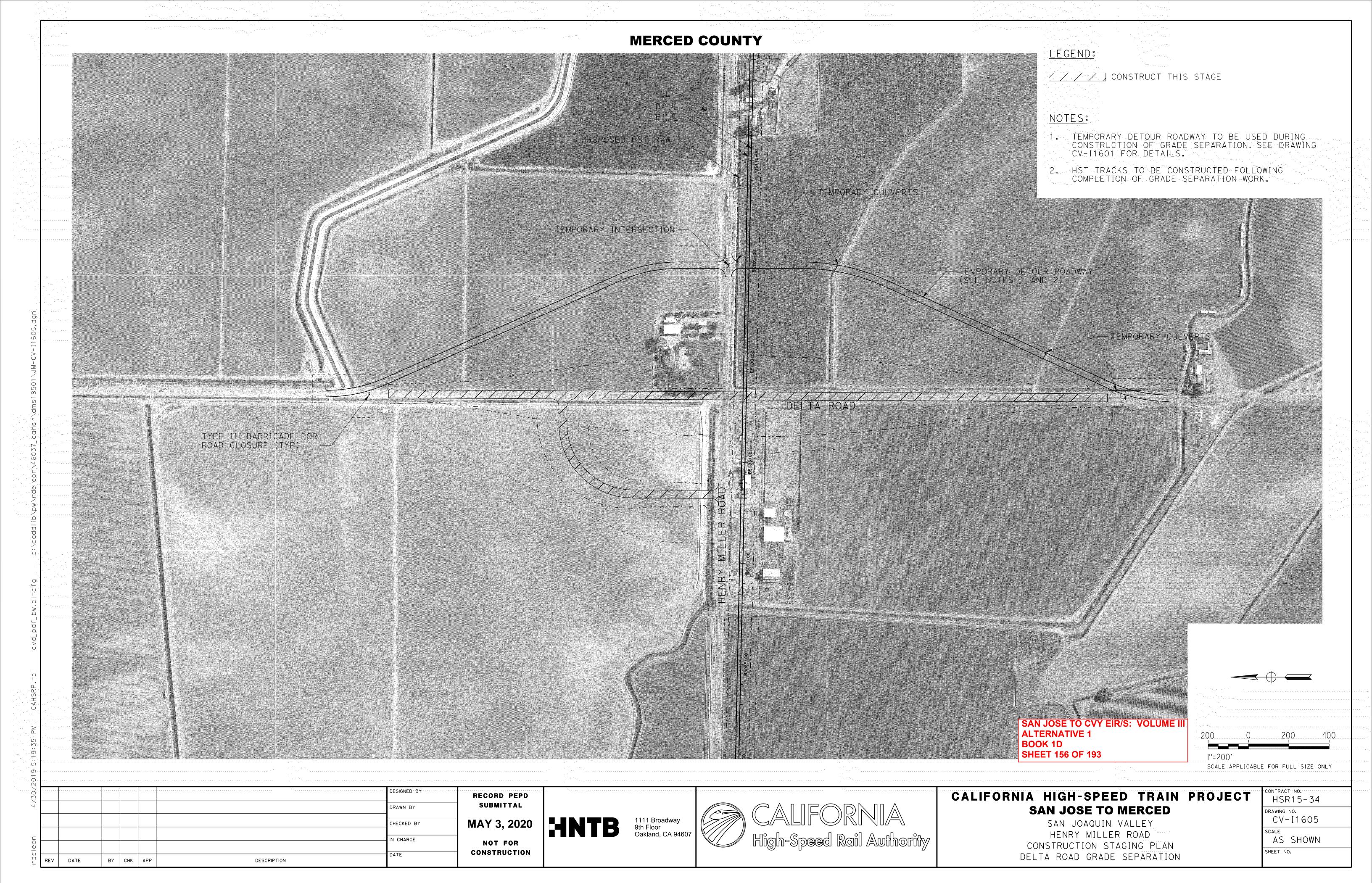
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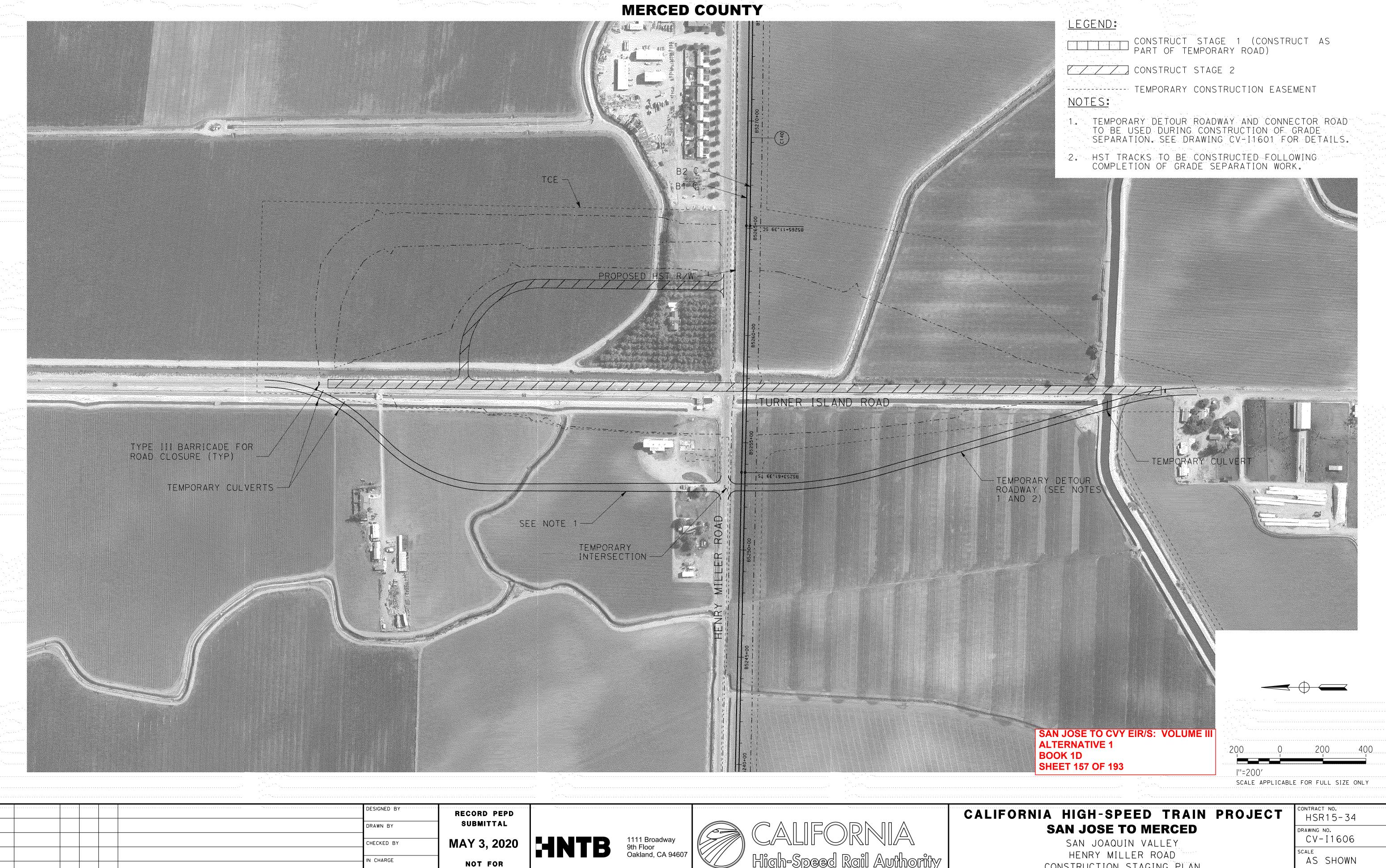
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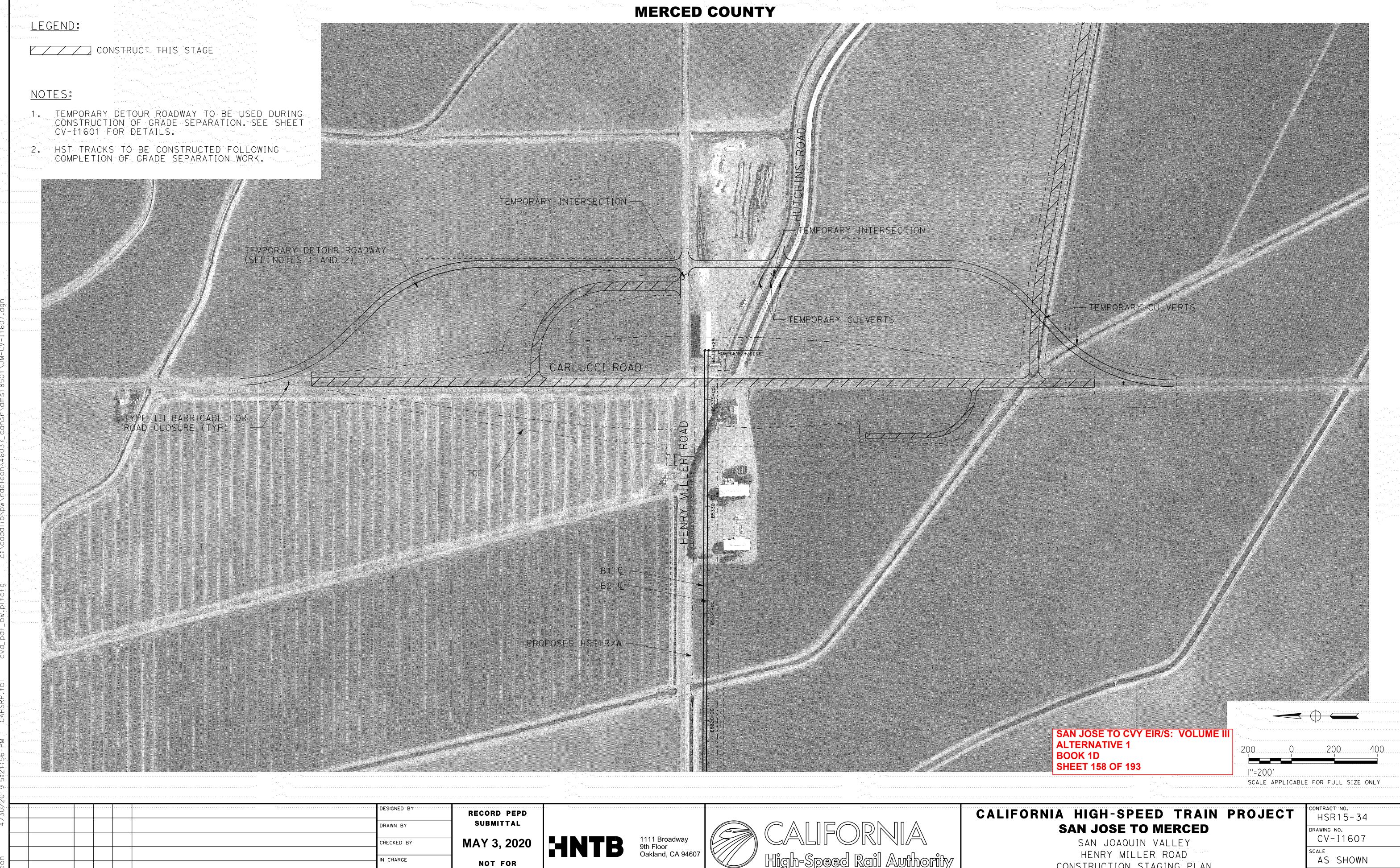
CONSTRUCTION

DATE



HENRY MILLER ROAD CONSTRUCTION STAGING PLAN TURNER ISLAND ROAD GRADE SEPARATION

 CONTRACT NO.  HSR15-34
DRAWING NO. CV-I1606
scale AS SHOWN
SHEET NO.



CONSTRUCTION

DATE

DESCRIPTION

BY CHK APP



CONSTRUCTION STAGING PLAN CARLUCCI ROAD GRADE SEPARATION

 CONTRACT NO. HSR15-34
DRAWING NO. CV-I1607
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CONSTRUCTION

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# BOOK 1D SHEET 159 OF 193 CALIFORNIA HIGH-SPEED TRAIN PROJECT

**SAN JOSE TO MERCED** SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 TRACK ALIGNMENT DATA TABLE CURVE NO. C189 AND C190

CONTRACT NO. HSR15-34
DRAWING NO. TT-BO101-JM
scale NONE
SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

**ALTERNATIVE 1** 

CURVE	   ELEMENT	POINT	MT2 TRACK	COORDIN	NATES	RADIUS	LENGTH (FT)	DELTA, △	K	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O°	00′00'')
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2000000 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Clothoid	ST	2326+93.21	1954855.251	6143306.359							200 Million		in the state of th		/// // // // // // // // // // // // //
<u>(</u>																on which this think the same of the same o
······································	Tangent	ST		\$	6143306.359	<u> </u>								S 60°16'14" E		AND AND THE PROPERTY OF THE PR
· · · · · · · · · · · · · · · · · · ·	Tangent	TS	2329+56.62	1954724.625	6143535.098	· · · · · · · · · · · · · · · · · · ·					<b>***</b>				<u> </u>	Wannaka ka
		<u> </u>	0000.50.00	4054704 005	0440505 000											0.500441008.5
	Clothoid	TS	marian de la company de la com		6143535.098		405	00041070		0.40	ANNIMA C	57511111111111111111111111111111111111	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		S 60°16'14" E	S 59°41'38" E
	Clothoid	SPI		<u></u>	6143647.988		195	0°34'37"	97.5	0.16						
***************************************	Clothoid	SC	2331+51.62	1954627.357	6143704.106			117								
YAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Λ <b>~</b>		2224   54 62	1054637 257	6442704 406				STATE OF THE STATE							
C100	Arc	PI	<u> </u>		6143704.106 6143873.356		392.03	2°19'10"			110	) 7F	2 7E			3007-000
C190	Arc	CC	2333747.00	**************************************	6138817.431		392.03	2 19 10		131/200000111111111111111111111111111111	MANGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	2.25	2.75	water the second		MINISTERIORE
	Arc	<u></u>	2225±42.65	Egypta	6144038.463		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				Mariellanderlederlederlederledernen von von von von von von von von von vo					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Arc	CS	2335T43.03	1304422.733	0144030.403											344444444444444444444444444444444444444
······································	Clothoid	CS	2225±12 65	105///22 725	6144038.463	***************************************					000000000000000000000000000000000000000	**************************************			S 57°22'27" E	S 56°47'51" E
***************************************	Clothoid	SPI		<b></b>	6144093.207	<u> </u>	195	0°34'37"	97.5	0.16					0 31 4441 E	0 30 4/ 31 E
	AND CONTRACTOR OF THE PROPERTY	ST	The state of the s	TOTAL COLOR CO	CONTRACTOR AND	<u></u>	130	U 3431	31.3	U. 10					MANA ON THE THEORY OF THE THE THEORY OF THE THE THEORY OF THE THE THE THE THEORY OF TH	<u></u>
	Clothoid	01	2331 +30.00	1904010.002	6144201.984					2444444						

						DESIGNED BY	RECORD PEPD
						DRAWN BY	SUBMITTAL
						CHECKED BY	MAY 3, 2020
						IN CHARGE	NOT FOR
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	CONSTRUCTION

HNTB 1111 Broadway 9th Floor Oakland, CA 94607



**ALTERNATIVE 1** BOOK 1D SHEET 160 OF 193

# CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 TRACK ALIGNMENT DATA TABLE CURVE NO. C191 AND C192

CONTRACT NO.
HSR15-34
DRAWING NO.
TT-B0102-JM
SCALE
NONE
SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDIN NORTHING	NATES EASTING	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EA) (IN)	BEARING (0°00'00'') (TANGENT)	WCB (0° START ANGLE	00'00") END ANGLE
	Tangent	ST	2337+38.65		6144201.984		No. of the Control of	1944						S 56°47'51" E		······································
Necessary and Authorized Authoriz	Tangent	PI	2363+76.23	1952872.160	6146408.951						zezzeniumusterezeniumzeo, izezeniuszen					
	Tangent	PI	2363+76 23	1952872 160	6146408.951						None of the second seco			S 56°48'33" E		· ·
- · · · · · · · · · · · · · · · · · · ·	Tangent	TS			6148491.882				0040			· · · · · · · · · · · · · · · · · · ·				
	Clathaid	TO	2200165 22	1051500 611	6149401 999										C E6°40 22   E	S 57°19'49" E
······································	Clothoid Clothoid	TS SPI			6148491.882 6148603.463	***************************************	200	0°31'15"	100	0.15	***************************************	**************************************			S 56°48'33" E	3 37 1949 E
	Clothoid	SC		20000000000000000000000000000000000000	6148659.583		200	0 3113	TOO	0.13						
		\$1000000000000000000000000000000000000		ACANAN A 3932 CCC 1332 1344 44 600 400 100 100 100 100 133 24 400 100 100 100 100 100 100 100 100 10	Remarkation of the state of the	and the state of t			B	L-post-concerning						
rousous de principal de la constant	Arc	SC			6148659.583											
C191	Arc	PI			6148850.552		453.65	2°21'47"			110	2.00	2.40			
·····	Arc	CC		2214344000000000000000000000000000000000	6154597.352								ANALON MARION MA			PARAMETER STATE OF THE STATE OF
	Arc	CS	2395+18.89	1951163.695	6149046.408		<b>Section</b>									
	Clothoid	CS	2395+18.89	1951163.695	6149046.408	zzzzzanan new markan n					ALIIIIIII				S 59°41'35" E	S 60°12'50" E
	Clothoid	SPI	2395+85.55	1951130.053	6149103.964	, , , , , , , , , , , , , , , , , , ,	200	0°31'15"	100	0.15						VVVV
***************************************	Clothoid	ST	2397+18.89	1951063.817	6149219.682			444400000000000000000000000000000000000								
	Tangent	ST	2397+18 89	1951063 817	6149219.682	***************************************	O COLORO CONTRACTOR CO							S 60°12'50" E		
	Tangent	TS	<u></u>	**************************************	6151562.302	FROM INC.	***************************************	**************************************			ssmr <del>distribit</del> vocar	Antonia de la constante de la			ANALISM ANALIS	44411.000A 4147A-44441000000000000000000000000000000000
									ASSESSED							
	Cosine	TS	2424+18.11	1949722.946	6151562.302	***************************************									S 60°12'50" E	S 56°36'41" E
	Cosine	SPI	2427+09.75	1949578.067	6151815.418	151111	415	3°36'10"	207.49	1.24					A111111111	
NORMAN CONTROL CALLEGAT CALLEGAT CALLEGAT CALLEGAT CONTROL CONTROL CALLEGAT	Cosine	SC	2428+33.11	1949510.131	6151918.493	TO THE RESIDENCE OF THE PROPERTY OF THE PROPER	THE CONTROL OF THE CANADA CONTROL OF THE CAN	TO THE			TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT			TRANTO		
2322404040404040404040404040404040404040	Arc	SC	2428+33 11	1949510 131	6151918.493											
C192	Arc	PI			6152181.693	···	628.54	10°54'47"	epode de la constantina della		75	3.50	3.32	Annual An		
······································	Arc	CC			6150102.450	auusmaanuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu	-		Annual An					***************************************	ALMINACINITINI	
	Arc	CS	2434+61.63	1949116.492	6152407.291			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
;	Cosine	CS	2434+61 63	1949116.492	6152407.291	and the second s					and the second s				S 45°41'54" E	S 42°05'44" E
	Cosine	SPI			6152495.640	······	415	3°36'10"	207.49	1.24						
	Cosine		**************************************	***************************************	6152691.151	255111100115110000000000000000000000000					2	1100 A 100 A 1				

2019							
/30/							DESIGNED BY
4							DRAWN BY
							CHECKED BY
deleon							IN CHARGE
rde	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR

CONSTRUCTION

COORDINATES

NORTHING

2438+76.63 1948813.861 6152691.151

2441+29.45 1948626.259 6152860.635

2441+29.45 1948626.259 6152860.635

2445+26.71 1948331.485 6153126.943

2446+94.45 1948193.686 6153223.474

2446+94.45 1948193.686 6153223.474

2451+97.72 1947781.493 6153512.224

2456+85.09 1947286.131 6153601.085

2456+85.09 1947286.131 6153601.085

2458+53.34 1947120.528 6153630.792

2462+50.09 1946723.849 6153652.180

2462+50.09 1946723.849 6153652.180

POE 2481+32.12 1944844.556 6153753.509

1946882.673 6151351.986

EASTING

RADIUS (FT)

LENGTH (FT)

565

990.72

565

DELTA, △

7°05'01"

24°50'31"

7°05'01"

POINT TYPE

CC

ELEMENT

Tangent

Tangent

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

Tangent

CURVE

C193

MT2 TRACK

STATION

HNTB





ACTUAL SUPERELEVATION (EA) (IN)

4.75

DESIGN SPEED

(MPH)

65

282.44 3.31

282.44 3.31

UNBALANCED SUPERELEVATION (EA) (IN)

2.65

BEARING (0°00′00'')

(TANGENT)

S 42°05'44" E

S 3°05'11" E

WCB (0°00′00")

END ANGLE

S 35°00'43" E

S 3°05'11" E

START ANGLE

S 42°05'44" E

S 10°10'12" E

**ALTERNATIVE 1** BOOK 1D SHEET 161 OF 193

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 TRACK ALIGNMENT DATA TABLE CURVE NO. C193

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0103-JM
scale NONE
SHEET NO.

B2 TRACK STATION

52+90.53

56+04.15

56+04.15

59+04.75

POINT TYPE

POB

SPI

ELEMENT

**TANGENT** 

**TANGENT** 

CLOTHOID

CLOTHOID

CURVE

COORDINATES

1944844.556 6153753.509

1944531.398 6153770.394

1944531.398 6153770.394

1944231.231 6153786.579

NORTHING

EASTING

RADIUS (FT)

SUBMITTAL

MAY 3, 2020

NOT FOR

CONSTRUCTION

DRAWN BY

CHECKED BY

IN CHARGE

DESCRIPTION

LENGTH (FT)

DELTA, $\triangle$ 

11°12'36.2" 224.71 7.33

BY CHK APP

1				22.22.22.22.22.22.22.22.22.22.22.22.22.	\$ 			<u> </u>			<u></u>		**************************************	<u></u>				
111/10/17/17/17/17/17/17/17/17/17/17/17/17/17/	CLOTHOID	SC	60+54.15	1944085.344	6153823.7	755							es a sono a s		The state of the s			
	ARC	SC	60+54.15	1944085.344	6152822 7	7EE					· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CANNON THE RECORD OF THE PARTY	NASCONAGE TO SANCTONIS CONTRACTOR	ENTERED CONTROL OF CON			FO	1100 00 5				·	6.00		^ 7 <b>^</b>			
C101	ARC	PI	67+04.25	1943455.376			5U	1183.02 5	00.57.33.7			60	6.00		2.70			
	ARC	CC	70:07.40	1944369.322						**************************************		***************************************			***************************************			
	ARC	CS	72+37.16	1943268.082	6154606.8	325												
	CLOTHOID	CS	72+37.16	1943268.082	6154606.8	325											S 73°15'20.6" E	S 84°27'56.8'
	CLOTHOID		73+87.71	1943224.709				450 1	1°12'36 2"	224.71 7.	33				WOMAN			
	CLOTHOID	(a	76+87.16	1943195.718														
	TANGENT	ST	76±97 16	10/2105 719	6155050 1	04										S 84°27'56.8" E		
	TANGENT	······································	76+87.16 89+72.12	1943195.718 1943071.797	<u></u>				······································		ampropries			, , , , , , , , , , , , , , , , , , ,		3 04 27 30.0 E		
,	IANGENI	10	09772.12	19430/1./9/	0130329.1	30			MANA III	The state of the s					19991100000010 100000000000000000000000			
	CLOTHOID	TS	89+72.12	1943071.797	6156329.1	58				And the state of t							S 84°27'56.8" E	S 73°15'20.6
	CLOTHOID	SPI	92+72.72	1943042.806	6156628.3	360		450 1	1°12'36.2"	224.71 7.	33				00000000000000000000000000000000000000		***************************************	
	CLOTHOID	SC	94+22.12	1942999.433	6156772.5	526	MAIAIAIAIA											
	ARC	SC	94+22.12	1942999.433	6156772.5	526	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	99999999			***************************************	000000000000000000000000000000000000000						
	ARC	Pl	99+88.42	1942836.280	<u></u>		50	1052.11 5	2°26'05.9"			0	6.00		2.70			
C102	ARC	СС		1941898.193	6156441.2	211					***************************************	***************************************						
	ARC	CS	104+74.22	1942306.955	6157516.1	12		111111111111111111111111111111111111111					A1112		0.01111			
	CLOTHOID	CS	104+74.22	1942306.955	6157516.1	12	3339437		A21111111111				THE		AWASSA PELLULUS		S 20°49'14.7" E	S 9°36'38.5"
	CLOTHOID			1942166.238				450 1	1°12'36.2"	224.71 7.	33							
	CLOTHOID		ļ	1941869.853	<u></u>													
	TANGENT	ST	109+24.22	1941869.853	6157619.8	311									WANTE TO THE PROPERTY OF THE P	S 9°36'38.5" E		
	TANGENT	TS	111+48.03	1941649.186	6157657.1	76									<u> </u>	WADALADA		***************************************

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HNTB

DESIGN SPEED (MPH)

Ρ

ACTUAL SUPERELEVATION (EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN)

BEARING (0°00′00'')

(TANGENT)

S 3°05'10.7" E

WCB (0°00′00")

END ANGLE

S 14°17'46.9" E

DRAWING NO.

NONE

SHEET NO.

SCALE

HSR15-34

TT-B0104

START ANGLE

S 3°05'10.7" E

**SAN JOSE TO MERCED** 

SAN JOSE DIRIDON STATION APPROACH

VIADUCT TO I-880

B2 TRACK ALIGNMENT DATA TABLE

CURVE NO. C101 AND C102

	CLOTHOID	SPI	114+81.70	1941320.199	6157712.883	***************************************	500	7°57'27.9"	249.84	5.78				, , , , , , , , , , , , , , , , , , ,			
	CLOTHOID	SC	116+48.03	1941161.013	6157763.284				est.		***************************************						
· .											··			•		<u></u>	
	ARC	SC	116+48.03	1941161.013	6157763.284												
C103	ARC	Pl	117+96.77	1941019.211	6157808.180	1800	296.77	9°26'51.3"		<u> </u>	58	6.	00	1.48	THE RELEASE OF THE PROPERTY OF	ALLINGING COLUMN TO AN	NATIONAL TRANSPORTED TO THE PROPERTY OF THE PR
C103	ARC	CC		1941704.334	6159479.326		***		Control of the Contro				999999999999999999999999999999999999999				
TANÀNANANANANANANANANANANANANANANANANANA	ARC	CS	119+44.80	1940886.702	6157875.743						2000-120-120-120-120-120-120-120-120-120						
	CLOTHOID	CS	119+44.80	1940886.702	6157875.743								and the state of t			S 27°00'57.8" E	S 34°58'25.7"
	CLOTHOID	SPI	121+11.77	1940737.949	6157951.589		500	7°57'27.9"	249.84	5.78							
SSEELEN SON EET STEELEN SON EE	CLOTHOID	ST	124+44.80	1940464.534	6158142.850		A STATE OF THE STA		**************************************			12222222222222222222222222222222222222	WALL SCOOLS SCOOLS STATE STATE SEAL AND	EALLOWN VIOLENCE CONTROL OF THE STATE OF THE	1717-00010-00-00-00-00-00-00-00-00-00-00-00-	ALCONING WALLEST CONTRACTOR OF THE STATE OF	
: <u>\</u>	TANGENT	ST	124+44.80	1940464.534	6158142.850							Will have a south to south on the south of t	4555555157475774747474747474747474747474	ALTZZZA POGRAFIA SALI MONTO POGRAFIO PO	S 34°58'25.7" E		NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
271111	TANGENT	TS	127+17.50	1940241.081	6158299.162							AAAAAA2200000AAAA3333333333333333333333					
<u></u>	COSINE	TS	127+17.50	1940241.081	6158299.162								Management of the Control of the Con			S 34°58'25.7" E	S 34°03'45.1"
	COSINE	SPI	129+52.18	1940048.776	6158433.684		334	0°54'40.6"	167	0.25	**************************************	·	***************************************				***************************************
	COSINE	SC	130+51.50	1939966.497	6158489.312								The state of the s				
	ARC	SC	130+51.50	1939966.497	6158489.312				The state of the s		20 1000			20	чения при		
C104	ARC	PI	132+06.20	1939838.336	6158575.962	10500	309.38	1°41'17.7"			95	2.	00	1.44	Takkaspost ( ( ( ) ) ) ) ) ) ( ( ) ( ) ( ) ( ) (		
C104	ARC	CC		1934085.477	6149790.830				The state of the s		×11	\$40.00 mm					
***************************************	ARC	CS	133+60.88	1939707.678	6158658.797						······································			ianananan			
MAA.	COSINE	CS	133+60.88	1939707.678	6158658.797	15/11/2007	4.04.1									S 32°22'27.4" E	S 31°27'46.8"
	COSINE	SPI	134+60.20	1939623.796	6158711.978		334	0°54'40.6"	167	0.25							
278041111	COSINE	ST	136+94.88	1939423.615	6158834.471	101003 A-4-10-10-1					A STATE OF THE STA	MAN A SOURCE STATE OF THE	47 A 3 A 3 A 3 A 3 A 3 A 3 A 4 A 4 A 4 A 4				
нааламамалаламамамалалама	TANGENT	ST	136+94.88	1939423.615	6158834.471										S 31°27'46.8" E		
·	TANGENT	POE	149+99.26 = 150+00.00	1938311.012	6159515.287			******		Samuel State				20000000000000000000000000000000000000			

DESIGN SPEED (MPH)

ACTUAL

SUPERELEVATION (EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN) BEARING (0°00′00'')

(TANGENT)

WCB (0°00′00")

END ANGLE

S 17°34'06.4" E

START ANGLE

S 9°36'38.5" E

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1D
SHEET 163 OF 193

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ATE							DESIGNED BY	
⊕							DRAWN BY	
							CHECKED BY	l N
<del>()</del>							IN CHARGE	
\$USER:							DATE	c
⊕	REV	DATE	BY	СНК	APP	DESCRIPTION		

RECORD PEPD
SUBMITTAL

MAY 3, 2020

NOT FOR
CONSTRUCTION

COORDINATES

1941649.186 6157657.176

NORTHING

EASTING

RADIUS (FT) LENGTH (FT)

DELTA, △

B2 TRACK STATION

111+48.03

POINT TYPE

ELEMENT

CLOTHOID

CURVE





## CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MONTEREY CORRIDOR
VIADUCT TO I-880
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C103 AND C104

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0105
scale NONE
SHEET NO.

<del>()</del>								
\$UAIE							DESIGNED BY	
#     (1)							DRAWN BY	
							CHECKED BY	I
₩ Υ							- IN CHARGE	
#USEK#	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

1111 Broadway
9th Floor
Oakland, CA 94607





#### **ALTERNATIVE 1** BOOK 1D SHEET 164 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MONTEREY CORRIDOR	DRAWING NO. TT-B0106
VIADUCT/AT-GRADE B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C105 AND C106	SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK	COORD	INATES	RADIUS	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNE SUPFI	BALANCED RELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
		ITPE	STATION	NORTHING	EASTING	(FT)	(FI)	·			(MPH)	(EA) (IN)	( E	EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	РОВ	149+99.26 = 150+00.00	1938311.012	6159515.287				A SA A A A A A A A A A A A A A A A A A						S 31°27'46.8"		
	TANGENT	TS	163+92.19	1937123.505	6160241.939												
	COSINE	TS	163+92.19	1937123.505	6160241.939								September 1		· · · · · · · · · · · · · · · · · · ·	S 31°27'46.8" E	S 32°08'52.2" E
The second second	COSINE	SPI	165+68.56	1936973.070	6160333.992	neces constituti	251	0°41'05.4"	125.5	0.14	in the state of th		\$				
YELOOMIII AAAAAA MAAAAA MAAAAA MAAAAA MAAAAA MAAAAA MAAAAA MAAAAA MAAAAAA	COSINE	SC	166+43.19	1936909.876	6160373.707	CHOONED THE COURT OF THE COURT	A CONTRACTOR AND A SECOND AND A SECOND ASSESSMENT OF A SECOND ASSESS		A CONTRACTOR OF THE PROPERTY O				C. 126/11/11/11/11/11/11/11/11/11/11/11/11/11		12332400000 1240000 141000000000000000000000		
	ARC	SC	166+43.19	1936909.876	6160373.707								TO THE PARTY OF TH				
C105	ARC	PI	168+12.04	1936766.911	6160463.555	10500	337.68	1°50'33.4"	WELLER STATE OF THE STATE OF TH		95	2.00		1.44			
C105	ARC	CC		1942496.984	6169263.826				And the second s						1		
XXXX	ARC	CS	169+80.87	1936626.909	6160557.953						A-14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 14074 - 1407						
***************************************	COSINE	CS	169+80.87	1936626.909	6160557.953					The state of the s						S 33°59'25.6" E	S 34°40'31.0" E
	COSINE	SPI	170+55.51	1936565.025	6160599.680	MT200311 10403314 Q3552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10552 10	251	0°41'05.4"	125.5	0.14	150150150160160160160160160160160160160160160160	nnnnnnnnnnn (r. 1804-1904-1944 - 1779 - 1937) (m. 1834-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844-1844 - 1844		Physical Property of the Control of	A SECONDARIO DE CONTRA SECONDARIO DE CONTRA DE		
***************************************	COSINE	ST	172+31.87	1936419.985	6160700.018												NOTICE TO THE PROPERTY OF THE
<u> </u>	TANGENT	ST	172+31.87	1936419.985	6160700.018							····			S 34°40'31.0"		
	TANGENT	TS	178+67.70	1935897.083	6161061.759	41333											
	COSINE	TS	178+67.70	1935897.083	6161061.759					Section of the sectio				······································		S 34°40'31.0" E	S 33°59'25.6" E
	COSINE	SPI	180+44.06	1935752.042	6161162.097		251	0°41'05.4"	125.5	0.14							
· .	COSINE	SC	181+18.70	1935690.158	6161203.823												
NOONINGE IMAAA. MAAAA	ARC	SC	181+18.70	1935690.158	6161203.823								· · · · · · · · · · · · · · · · · · ·				
C106	ARC	Pl	182+45.22	1935585.260	6161274.553	10500	253.02	1°22'50.4"	No desire di constante del la constante		95	2.00		1.44			
C 100	ARC	CC		1929820.083	6152497.950				Que cui e discharization de la constanta de la	Department of the second					(n)		
	ARC	CS	183+71.72	1935478.688	6161342.734	A											
SEASOCRANCE STOCKASTICE STOCKA	COSINE	CS	183+71.72	1935478.688	6161342.734	***************************************				3304						S 32°36'35.2" E	S 31°55'29.9" E
	COSINE	SPI	184+46.36	1935415.816	6161382.957		251	0°41'05.4"	125.5	0.14	<u> 2011 (2010) година под под под под под под под под година до година до година до година до година до година д</u>		23.00.00.00.00.00.00.00.00.00.00.00.00.00				
	9	***************************************	<del>                                     </del>	1935266.128	<u> </u>	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************	···								

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RE	- v	DATE	BY	СНК	APP	DESCRIPTION	DATE
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HNTB





#### SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 165 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MONTEREY CORRIDOR	TT-B0107
VIADUCT/AT-GRADE B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C107	SHEET NO.

CURVE	ELEMENT	POINT	B2 TRACK	COORDIN	IATES	RADIUS	LENGTH	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00")
001172		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	02217, 23		·	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	ST	186+22.72	1935266.128	6161476.220	· · · · · · · · · · · · · · · · · · ·								S 31°55'29.9" E		
	TANGENT	TS	192+65.45	1934720.615	6161816.102						A.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I					
	COSINE	TS	192+65.45	1934720.615	6161816.102										S 31°55'29.9" E	S 36°11'49.3" E
sandaran and an analysis and a	COSINE	SPI	198+62.84	1934213.586	6162132.007		850	4°16'19.4"	424.97	3.00	*******					
rdy-dy-dy-dy-dy-dy-dy-dy-dy-dy-dy-dy-dy-d	COSINE	SC	201+15.45	1934009.510	6162281.351	///			A CANADA	2		ALIZANJAN	A0012-000-00-00-00-00-00-00-00-00-00-00-00-0			A (170 A
**************************************	<u>, , , , , , , , , , , , , , , , , , , </u>						######################################		Banasaa	·	400000000000000000000000000000000000000					
	ARC	SC	201+15.45	1934009.510	3162281.351											
C107	ARC	PI	214+06.61	1932967.553	3163043.865	5700	2539.44	25°31'35.3"			110	5.75	2.74			
C107	ARC	CC		1937375.723	3166881.200		**************************************							**************************************		
	ARC	CS	226+54.89	1932355.895	6164180.955											
• • • • • • • • • • • • • • • • • • • •	COSINE	CS	226+54.89	1932355.895	3164180.955										S 61°43'24.6" E	S 65°59'44.0" E
browners and a second s	COSINE	SPI	229+07.77	1932236.096	6164403.664		850	4°16'19.4"	424.97	3.00	no	A000/9700-044.bit	480000-113-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-1138000-11380000-11380000-11380000-11380000-11380000-1138000000-11380000-11380000-11380000-113800000-11380000000-11380000000000	***************************************		4 180000 - 1150 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
***************************************	COSINE	ST	235+04.89	1931993.074	3164949.387											
	TANGENT	ST	235+04.89	1931993.074	6164949.387									S 65°59'44.0" E		
	TANGENT	POE	250+03.17 = 249+05.70	1931383.561	3166318.089							· · · · · · · · · · · · · · · · · · ·				

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$\ominus$	REV	DATE	BY	СНК	APP	DESCRIPTION		

POINT TYPE

ELEMENT

TANGENT POB

CURVE

B2 TRACK

STATION

250+03.17

=

249+05.70

RECORD PEPD SUBMITTAL

MAY 3, 2020

NOT FOR CONSTRUCTION

COORDINATES

1931383.561 6166318.089

NORTHING

EASTING

LENGTH (FT)

DELTA, △

RADIUS

(FT)

HNTB



ALTERNATIVE 1
BOOK 1D
SHEET 166 OF 193

## CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MONTEREY CORRIDOR
VIADUCT
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C108 AND C109

CONTRACT NO.
HSR15-34
DRAWING NO.
TT-B0108
SCALE
NONE
SHEET NO.

j i							1	- cardonomical contraction of the contraction of th	VCON-2-0111117001000000000111117000000000000	<del>@outroughoutrous.comoutrous.com</del>	<u> </u>		<b>.</b>		
										6168513.830	1930405.750	273+09.32	TS	TANGENT	
S 65°59'44.0" E S 62°32'27.4" E										6168513.830	1930405.750	273+09.32	TS	COSINE	
				***************************************	2.93	512.47	3°27'16.6"	1025		6169171.854	1930112.717	280+29.64	SPI	COSINE	
			N/AAAA						M-145	6169442.399	1929972.126	283+34.32	sc	COSINE	
	<u> </u>		VALUATION TO THE REAL PROPERTY OF THE PROPERTY			**************************************				6169442 399	1929972.126	283+34.32	sc	ARC	
	60	2.60	4.75	125	333333333333333333333333333333333333333	A	20°43'39.2"	307/ 80	8500	6170821.760	\$22.47.50.000.000.000.000.000.000.000.000.000	FF117000406FF7700000000000000000000000000000	PI	ARC	C108
	.00	2.00	<b>4.</b> 1 3	125			20 4338.2	3074.09			1929233.329	290 : 00.0 1	CC	ARC	C 100
		AND		92000000331212.9343222	······································	***************************************			PP-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-	<u> </u>	1928096.737	314+09.30	CS	ARC	
										0171030.140	1920090.737	314+09.30	Co	ARU	
S 41°48'48.2" E S 38°21'31.6" E						***************************************			***************************************	6171858.148	1928096.737	314+09.30	cs	COSINE	***************************************
					2.93	512.47	3°27'16.6"	1025		6172061.423	1927869.493	317+14.19	SPI	COSINE	
			127777775				SETTING CONTRACTOR AND ANALYSIS		and the state of t	6172508.443	1927304.660	324+34.30	ST	COSINE	
		100 100 100 100 100 100 100 100 100 100	AND THE RESIDENCE OF THE PARTY				A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE REPORT AND ASSAULT	New Action Control of the Control of		A O O TO O A O O O O O O O O O O O O O O				<u> </u>
31.6" E	S 38°21'31.6	**************************************								<u> </u>	1927304.660	7AY	ST	TANGENT	
			ELECTIVATIVATIVATIVATIVATIVATIVATIVATIVATIVA				-		21 NO. 111111	6173559.500	1925976.595	341+27.95	TS	TANGENT	
S 38°21'31.6" E S 40°43'22.6" E			no Lolanne				0			6173559.500	1925976.595	341+27.95	TS	COSINE	
				,	1.66	424.99	2°21'50.9"	850	***************************************	6173930.168	1925508.236	347+25.24	SPI	COSINE	
										6174095.091	1925316.651	349+77.95	SC	COSINE	
			831411112c9118eHHHHWWW					WXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	MPANAGOOG/ATTENTION TO THE TOTAL STATE OF THE TOTAL	647400E 004	400E016 6E4	20100000000000000000000000000000000000		ADO	
						***************************************	4045100 01	OF 4.00	40000	<u> </u>	1925316.651	349+77.95	SC	ARC	0400
	.32	2.32	3.75	125			4°45'09.3"	854.36		6174373.946		354+05.38	PI	ARC	C109
	TEANNENNENNOSOMOMOMOMOMOMOMOMOMOMOMOMOMOMOMOMOMOM		ALLILLIA MONTO CONTENTE I I I I I I I I I I I I I I I I I I I			anning and the state of the sta		ECITE OF THE PROPERTY OF THE P	113111	<u></u>	1932036.389		CC	ARC	
										61/46/8.681	1924692.996	358+32.31	CS	ARC	
S 45°28'31.8" E S 47°50'22.8" E							WIII.	N. C.	A	6174678.681	1924692.996	358+32.31	CS	COSINE	
					1.66	424.99	2°21'50.9"	850		6174858.911	1924515.733	360+85.11	SPI	COSINE	
										<u> </u>	1924114.827	·····	ST	COSINE	
					001000000000000000000000000000000000000	A STATE OF THE STA	A STATE OF THE STA	ALIAN MARKATAN AND AND AND AND AND AND AND AND AND A							
22.8" <b>L</b>	S 47°50'22.8		OTTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO	<u> </u>				19993	11444-914-1144-1144-1144-1144-1144-1144		1924114.827	***************************************	ST	TANGENT	
							An extended with the control of the	,		6176749.109	1922804.189	386+34.97	TS	TANGENT	

DESIGN SPEED (MPH) ACTUAL SUPERELEVATION

(EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN) BEARING (0°00′00'')

(TANGENT)

S 65°59'44.0" E

WCB (0°00′00")

END ANGLE

START ANGLE

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	COSINE	SPI	390+28.46	1922540.078	6177040.788		560	1°06'23.0"	280	0.51							
	COSINE	SC	391+94.97	1922430.709	6177166.364		***************************************		**************************************								
																	<b>4</b>
	ARC	SC	391+94.97	1922430.709	6177166.364				<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			WEAT TO THE TOTAL OF THE TOTAL			<u></u>
C110	ARC	PI	394+91.27	1922236.107	6177389.802	14500	592.52	2°20'28.7"	A. T.		130	3.00		1.66			
<u> </u>	ARC	CC		1933365.037	6186689.518					***************************************				<u></u>			
	ARC	CS	397+87.49	1922050.796	6177621.003												
	COCINE		20719740	1000050 706	6177624 002		1				Parameter 1					C E4047144 E11 E	C 50°00107 511 i
	COSINE	CS OD:	397+87.49	<u> </u>	6177621.003	<u> </u>	F00	4000100 011		0.54	***************************************	22				S 51°17'14.5" E	S 52°23'37.5"
	COSINE	SPI			6177750.942		560	1°06'23.0"	280	0.51							
	COSINE	ST	403+47.49	1921/06.531	6178062.671				<u> </u>			******					
w.	TANGENT	ST	403+47.49	1921706.531	6178062.671		All sections and the section of the					Marine Constitution of the		action to the state of the stat	S 52°23'37.5" E		ALVERTILE CONTROL OF CHICAGO
	TANGENT	TS	465+63.39		6182987.048	<u> </u>						, <del>-</del>		90			
		an to the total of	***************************************											ALLIA COMPANIANO CONTRACTOR CONTR			
	COSINE	TS	465+63.39	1917913.396	6182987.048				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							S 52°23'37.5" E	S 52°21'23.8" I
	COSINE	SPI	468+09.31	1917763.325	6183181.875	-	350	0°02'13.7"	175	0.01							
	COSINE	SC	469+13.39	1917699.761	6183264.285		A 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4						ASSETTING ASSETTING			
		**************************************							#112231 <i>9</i> ****		3331	N1	23333331				***************************************
	ARC	SC	469+13.39	1917699.761	6183264.285		######################################	2000 D. C.									
C111	ARC	PI	470+90.64	100 mm - 1 mm -	6183404.642	<u> </u>	354.52	0°04'30.8"		an w	130	0.00		0.25			A1
	ARC	CC	4992	44_1242440000440044040400404040404040404040	6018363.189	<b></b>						TENANGAN SINCERNA SI		A CONTRACTOR OF THE CONTRACTOR			NAME OF THE PROPERTY OF THE PR
	ARC	CS	472+67.90	1917483.059	6183544.858							www.matentandandandandandandandandandandandandanda					
	COSINE	CS	472+67.90	1917483.059	6183544.858								Account of the second of the s			S 52°16'53.0" E	S 52°14'39.3" [
	COSINE	SPI	C21221000000000000000000000000000000000		6183627.184		350	0°02'13.7"	175	0.01	A A CORA DE CONTRACTO A LOCA A	ADMANNAMENTAL LOCALION NO REPORT AND REPORT OF THE PROPERTY OF	1000M00M100M100M100M100M100M100M100M100	RANGO HAGRANGA HAGRANGA HAGRANGA HAGRANGA SA			A COMMANDANIAN DO LLOCOTO CEPTE CONTINUADO A LOCALACO ALOCALACO A LOCALACO A
	COSINE	ST	476+17.90	1917268.808	6183821.619								Land Control of the C				
		146600				generalisasi (1900)											
	TANGENT	ST	<u> </u>	<u> </u>	6183821.619	<u></u>			······································						S 52°14'39.3" E		
	TANGENT	TS	574+51.50	1911247.731	6191596.338	-	water a faire and	1		ANT THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN 1			TECHNOLOGY (TOTAL )			TO THE PROPERTY OF THE PROPERT	

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D **SHEET 167 OF 193** 

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ATE							DESIGNED BY	R
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<del>()</del>							IN CHARGE	1
\$USER							DATE	- co
$\bigcap \$$	REV	DATE	BY	СНК	APP	DESCRIPTION		

POINT TYPE

ELEMENT

COSINE

CURVE

B2 TRACK

STATION

386+34.97

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

COORDINATES

1922804.189 6176749.109

NORTHING

EASTING

RADIUS (FT)

LENGTH (FT)

DELTA, △







ACTUAL SUPERELEVATION (EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN)

DESIGN SPEED (MPH)

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

BEARING (0°00'00") (TANGENT)

WCB (0°00′00")

END ANGLE

S 48°56'45.8" E

START ANGLE

S 47°50'22.8" E

MONTEREY CORRIDOR TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C110 AND C111

7	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0109
	scale NONE
	SHEET NO.

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B2 TRACK STATION

POINT TYPE

ELEMENT

COSINE

CURVE

COORDINATES

NORTHING

574+51.50 | 1911247.731 | 6191596.338 |

EASTING

RADIUS (FT)

LENGTH (FT)

DELTA, △

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

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ACTUAL SUPERELEVATION (EA) (IN)

DESIGN SPEED (MPH)

#### **ALTERNATIVE 1** BOOK 1D SHEET 168 OF 193

SAN JOSE TO MERCED MONTEREY CORRIDOR TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C112

BEARING (0°00'00") (TANGENT)

WCB (0°00′00")

S 52°14'39.3" E S 53°09'26.7" E

END ANGLE

START ANGLE

UNBALANCED SUPERELEVATION (EU) (IN)

Ţ	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0110
	SCALE
	NONE
	SHEET NO.

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	COSINE	SPI	578+09.85	1911028.313	6191879.661		510	0°54'47.3"	255	0.38		10000000					
	COSINE	SC	579+61.50	1910937.377	6192001.029		**************************************		**************************************		P		\$				
			1						VIVIANAL SALAMA								
	ARC	SC	579+61.50	1910937.377	6192001.029												
C112	ARC	PI	583+21.82	1910721.320	6192289.392	16000	720.53	2°34'48.7"			130	3.00		1.23		A TOTAL CONTROL CONTRO	\$00000008.84999.845.268486.0 <u>200000000000000000000000000000000000</u>
	ARC	CC		1923741.951	6201594.928	<u> </u>			<u> </u>		<u></u>		3				12222222222222222222222222222222222222
	ARC	CS	586+82.03	1910518.463	6192587.189												
	COSINE	CS	586+82.03	1910518.463	6192587.189							,	W0.000.000			S 55°44'15.4" E	S 56°39'02.7" E
	COSINE	SPI	588+33.68	1910433.083	6192712.528		510	0°54'47.3"	255	0.38	•	<u> </u>		NS:			
o contraction of the contraction	COSINE	ST	591+92.03	1910236.082	6193011.872												
	TANGENT	ST	591+92.03	1910236.082	6193011.872	revrations as	- CONTROL COLOR CO			та при	***************************************	144(1674)		40(((()))	S 56°39'02.7" E	(B) Netter 2 (C)	######################################
	TANGENT	POE	603+87.40 = 604+03.88		6194010.410				·								

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						IN CHARGE	
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#### **ALTERNATIVE 1** BOOK 1D SHEET 169 OF 193

**SAN JOSE TO MERCED** MORGAN HILL AND GILROY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C113 AND C114

T	CONTRACT NO. HSR15-34
	TT-BO111
	scale NONE
	SHEET NO.

CURVE	ELEMENT	POINT	B2_TRACK	COORD	INATES	RADIUS	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
mmeassar		TYPE	STATION	NORTHING	EASTING	(FT)	(FI)	3	£ .		(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
e Tag Herita Samuel Samuel Sam	TANGENT	РОВ	603+87.40 = 604+03.88	1909578.936	6194010.410				sa ediformenta e del constitución de la constitució				- ·	S 56°39'02.7" E		
	TANGENT	TS	606+97.88	1909417.312	6194255.999											
·	COSINE	TS	606+97.88	1909417.312	6194255.999	MITTER THE STATE OF THE STATE O						W. AMINIMANI - III WAAAAAMII MAAAAAAAAAAAAAAAAAAAAAAAA			S 56°39'02.7" E	S 56°56'14.1" E
	COSINE	SPI	610+14.07	1909243.490	6194520.123	······································	450	0°17'11.3"	225	0.11	······································	ANNO MARIANA M			THE PARTY OF THE P	
· ·	COSINE	SC	611+47.88	1909170.488	6194632.267											
•••••••••••••••••••••••••••••••••••••••	ARC	SC	611+47.88	1909170.488	6194632.267				The state of the s							
C113	ARC	PI	613+16.03	1909078.753	6194773.189	45000	336.30	0°25'41.5"	er commenter de la commente de la co		125	0.25	1.14			
	ARC	CC		1946883.795	6219182.348											
	ARC	CS	614+84.18	1908988.073	6194914.793											
**************************************	COSINE	CS	614+84.18	1908988.073	6194914.793						734_4111				S 57°21'55.5" E	S 57°39'06.9" E
· .	COSINE	SPI	616+17.99		6195027.479	^*F^**********************************	450	0°17'11.3"	225	0.11	***************************************					
MM#99999 AVVII 2 200000000000000000000000000000000	COSINE	ST	619+34.18	1908746.730	6195294.600	MILITAR VEET AND										
\\\\\\\\\\\\\\\\\\\	TANGENT	ST	619+34.18	1908746 730	6195294.600									S 57°39'06.9" E		AND THE RESERVE OF THE PROPERTY OF THE PROPERT
	TANGENT	TS	631+80.35	<b>-</b>	6196347.376											
	LOOCINIE		CO4 100 0F	14000070 055	TC40C247 07C						<u></u>				C	C E 494 AIOC OU E
	COSINE	TS SPI	631+80.35 637+51.66		6196347.376 6196830.028		813	2°54'40.8"	406.48	1 06	90000APA			***************************************	S 57°39'06.9" E	S 54°44'26.0" E
	COSINE	SC	639+93.35		6197027.477		013	2 34 40.0	400.40	1.90						
			000.000	14007004 070	10407007 477											
	ARC	SC	639+93.35		6197027.477		4504.70	40050155 011	abasasanan dan asa		405	F 00	2.04			
C114	ARC ARC	PI CC	647+56.52		6197650.643 6192409.240		1321.73	10°53'55.2"			125	5.00	2.81			
×=====================================	ARC	CS	655+15.08	A COLUMN TO THE PROPERTY OF TH	6198179.271	rmanusco					11				100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	
		000000000000000000000000000000000000000							V60/60460/6046046046046046046046046046046046046046							
•	COSINE	CS	655+15.08		6198179.271									A contract of the contract of	S 43°50'30.9" E	S 40°55'50.0" E
	COSINE	SPI	657+56.89		6198346.765		813	2°54'40.8"	406.48	1.96	***************************************					
***************************************	COSINE	ST	663+28.08	1906037.636	6198721.057						MAMA MICOLO 2 4 N.Y. 13.3 SOURIMINI MICOLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONT					And the second s
	TANGENT	ST	663+28.08	1906037.636	6198721.057									S 40°55'50.0" E		
	TANGENT	TS	694+10.95	1903708.516	6200740.780			***************************************			utuka kalkuni sentrat menenan m			1		

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## ALTERNATIVE 1 BOOK 1D SHEET 170 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	TT-B0112
TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C115 AND C116	SHEET NO.

CURVE	ELEMENT	POINT	B2 TRACK	COORD	INATES	RADIUS	LENGTH	DELTA, △	K	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
<u> </u>		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	, , , , , , , , , , , , , , , , , , ,			(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	COSINE	TS	694+10.95	1903708.516	6200740.780			Annational desired in the second seco							S 40°55'50.0" E	S 40°42'27.9" E
en e	COSINE	SPI	696+56.87	1903522.719	6200901.896		350	0°13'22.1"	175	0.06						
***********	COSINE	SC	697+60.95	1903443.825	6200969.774				- AAVIIIVAI.MI		<b>→</b>					
	ARC	SC	697+60.95	1903443.825	6200969.774											
C115	ARC	PI	702+29.12	1903088.926	6201275.118	45000	936.32	1°11'31.8"			125	0.25	1.14		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
enement enement en enement en en estat est de la set en en	ARC	CC		1874094.785	6166857.696							· ·				
	ARC	CS	706+97.26	1902727.751	6201573.013	accounting to the control of the con	THE THE PROPERTY OF THE PROPER		18280TTT0099999111100000000000000TTTPPPP		200-DO-2011					
	COSINE	CS	706+97.26	1902727.751	6201573.013				······································		····				S 39°30'56.1" E	S 39°17'34.0" E
	COSINE	SPI	708+01.34	1902647.462	6201639.235		350	0°13'22.1"	175	0.06	***************************************	***************************************	***************************************			1777
	COSINE	ST	710+47.26	1902457.136	6201794.975											
2014	TANGENT	ST	710+47.26	1902457.136	6201794.975	WATER CONTRACTOR CONTR			NATION OF THE PROPERTY OF THE		COMMANDA MONTH CONTROL ON MONTH CONTROL	ALLE MANAGEMENT OF THE STATE OF		S 39°17'34.0" E		
	TANGENT	TS	726+28.14	1901233.666	6202796.116											
· · · · · · · · · · · · · · · · · · ·	COSINE	TS	726+28.14	1901233.666	6202796.116			Service Control of the Control of th	200002000000000000000000000000000000000						S 39°17'34.0" E	S 39°07'05.7" E
	COSINE	SPI	729+06.38	1901018.325	6202972.325	2000000	396	0°10'28.3"	198	0.06	***************************************	***************************************	\$2000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1		**************************************	**************************************
····	COSINE	SC	730+24.14	1900926.967	6203046.618											
	ARC	SC	730+24.14	1900926.967	6203046.618				**************************************							
C116	ARC	PI	733+17.28	1900699.535	6203231.567	65000	586.28	0°31'00.4"			150	0.25	1.13			···
ween and a second	ARC	CC		1859916.983	6152616.654						***************************************	***************************************				
	ARC	CS	736+10.42	1900470.444	6203414.457						AND THE STATE OF T					
<del>yy kalianina si koossi koossi koossi koossi koossi koossi koossi k</del>	COSINE	CS	736+10.42	1900470.444	6203414.457					3330	<del></del>		was to the state of the state o		S 38°36'05.2" E	S 38°25'36.9" E
	COSINE	SPI	737+28.17	1900378.419	6203487.924	MXXIII	396	0°10'28.3"	198	0.06		444444	33334			A1111:
	COSINE	ST	740+06.42	1900160.440	6203660.859	MAMAGAMAGAMAGAMAGAMAGAMAGAMAGAMAGAMAGAM		10240194	11111111111111111111111111111111111111				AMILLIAN AMILLIAN AMILAN AMILA			
***************************************	TANGENT	ST	740+06.42	1900160.440	6203660.859			demonstration			·····			S 38°25'36.9" E		
	TANGENT	TS	782+19.74	1896859.715	6206279.508					100		·			***************************************	

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						DRAWN BY	
						CHECKED BY	
						IN CHARGE	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	
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9th Floor
Oakland, CA 94607





### SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 1 BOOK 1D SHEET 171 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	DRAWING NO. TT-B0113
TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C117 AND C118	SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION		INATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	N = (0.00,00)		00'00")
mnooma	COSINE	TS	792140 74	NORTHING	EASTING 6206279.508						(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE S 38°30'40.2" E
		<u> </u>	782+19.74			<u> </u>	F00	0005100 011	250 0		***************************************	walkowa wa w			S 38°25'36.9" E	5 36 30 40.2 E
	COSINE	SPI	785+71.06		6206497.860		500	0°05'03.3"	250 0	0.03	INTERNAL WILLIAM INTERNAL WATER AND A SOCIAL WATER					
	COSINE	SC	787+19.74	1896468.150	6206590.437	***************************************					·		me de la companya de			
<del></del>																T
······································	ARC	SC	787+19.74	<u></u>	6206590.437		and communication and control of the							ALIGNAMAN AND AND AND AND AND AND AND AND AND A		NOTE OF THE PROPERTY OF THE PR
C117	ARC	PI	791+28.86		6206845.180	<u> </u>	818.23	0°16'32.8"			175	0.00	0.72			
	ARC	CC			6339613.173	<u> </u>										
**************************************	ARC	CS	795+37.97	1895829.123	6207101.461		A THE THE PROPERTY OF THE PROP	**************************************			AMMONTAL PARA PARA PARA PARA PARA PARA PARA PA				AND THE RESIDENT THE SAME PROPERTY OF THE SAME PROP	ANNAL TRANSPORTED TO THE PROPERTY OF THE PROPE
	COSINE	CS	795+37.97	1895829.123	6207101.461										S 38°47'13.0" E	S 38°52'16.4" E
	COSINE	SPI	796+86.65	1895713.231	6207194.598		500	0°05'03.3"	250 0	0.03	***************************************					
	COSINE	ST	800+37.97	1895439.707	6207415.077							· · ·				
	TANGENT	ST	800+37.97	14905420 707	6207415.077	**************************************	**************************************	NAME OF THE OWNER O						S 38°52'16.4" E		**************************************
														3 36 32 10.4 E		
***************************************	TANGENT	TS	865+65.97	1090357.201	6211511.863					2						
ининальна <u>льнаруууу</u>	COSINE	TS	865+65.97	1890357.281	6211511.863						<u> </u>				S 38°52'16.4" E	S 43°10'06.2" E
·	COSINE	SPI	876+20.19	1889536.509	6212173.462	TO A CONTRACT OF THE CONTRACT	1500	4°17'49.9"	749.94 5	5.33						
······································	COSINE	SC	880+65.97	1889211.024	6212478.775											
	ARC	SC	880+65.97	1889211.024	6212478.775											
C118	ARC	PI	902+17.05		6213950.429	<b></b>	4237.58	24°16'46.7"			150	6.00	3.00			
······································	ARC	CC		1896052.472	6219772.237											
*****************************	ARC	CS	923+03.55	1886817.151	6215937.026											
	COSINE	CS	923+03.55	1886817.151	6215937.026		•	***************************************		·					S 67°26'53.0" E	S 71°44'42.8" E
	COSINE	SPI	Westernament and the second se	***************************************	6216349.170	<u></u>	1500	4°17'49.9"	749.94 5	5.33						
MC00004	COSINE	ST	938+03.55		6217350.334					1944						
	TANIOCNIT	C.T.	020100.55	4006045 770	6047050 004									0.7494440.011.5		
	TANGENT	ST	938+03.55		6217350.334	<u></u>	<u> </u>							S 71°44'42.8" E		
	TANGENT	TS	942+14.75	1886186.965	6217740.840			<b>Sample State</b>	tion of the solidar	DATE OF THE PARTY						

							DESIGNED BY
+							DRAWN BY
							CHECKED BY
							IN CHARGE
							DATE
, ) ,	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE

POINT TYPE

ELEMENT

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

**TANGENT** 

**TANGENT** 

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

TANGENT

CURVE

C119

C120

B2 TRACK

STATION

942+14.75

950+58.00

954+14.75

954+14.75

987+57.00

#### **ALTERNATIVE 1** BOOK 1D SHEET 172 OF 193

PEED TRAIN PROJECT TO MERCED

ACTUAL SUPERELEVATION (EA) (IN)

4.25

4.50

DESIGN SPEED (MPH)

UNBALANCED SUPERELEVATION (EU) (IN)

2.67

2.42

BEARING (0°00′00'')

(TANGENT)

S 37°37'11.3" E

S 23°46'54.9" E

WCB (0°00′00")

END ANGLE

S 69°06'02.9" E

S 37°37'11.3" E

S 35°41'05.9" E

START ANGLE

S 71°44'42.8" E

S 40°15'51.2" E

S 37°37'11.3" E

S 25°43'00.3" E | S 23°46'54.9" E

L AND GILROY GUIDEWAY NMENT DATA TABLE C119 AND C120

•	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0114
	scale NONE
	SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

			<u> </u>		<u> </u>				1	<u> </u>	<u> </u>						3
	***************************************		TANGENT	TS	1193+31.52	1867391.832	6233274.323										
	,											<b>A</b>					
						DESIGNED I	REC	ORD PEPD								CALIFORNIA H	IGH-SPE
						DRAWN BY	SU	JBMITTAL							<u>\</u>	SAN	JOSE T
						CHECKED E	MA'	Y 3, 2020	HN1	1111 E 9th Flo	Broadway oor nd, CA 94607					MOR	GAN HILL
						IN CHARGE	l L	IOT FOR		Caklar	ia, CA 94607		/ High:	-Speed Rail Auth	nority	B2 TRAC	TRACK GU CK ALIGNME
REV DA	TE BY	CHK APP		DESC	RIPTION	DATE	CON	STRUCTION					O	<u>u</u>	2		/E NO. C11
							•		•		•						

COORDINATES

1886186.965 6217740.840

1885922.823 6218541.651

1885795.508 6218875.070

1885795.508 6218875.070

1884603.242 6221997.437

1873650.785 6214237.646

NORTHING

1019+57.54 | 1882052.861 | 6224157.582

1019+57.54 | 1882052.861 | 6224157.582

1023+14.44 | 1881780.520 | 6224388.251

1031+57.54 | 1881112.601 | 6224902.986

1031+57.54 | 1881112.601 | 6224902.986

1100+36.02 | 1875664.302 | 6229101.743

1100+36.02 | 1875664.302 | 6229101.743

1106+52.98 | 1875175.629 | 6229478.341

1109+14.02 | 1874963.548 | 6229630.653

1109+14.02 | 1874963.548 | 6229630.653

1120+47.74 | 1874042.700 | 6230291.983

1131+75.74 | 1873021.275 | 6230783.930

1131+75.74 | 1873021.275 | 6230783.930

1134+36.84 | 1872786.030 | 6230897.230

1140+53.74 | 1872221.467 | 6231146.020

1140+53.74 | 1872221.467 | 6231146.020

1867380.281 6219071.578

EASTING

RADIUS (FT)

13000

13000

LENGTH (FT)

1200

1200

DELTA, △

2°38'39.9"

2°38'39.9"

1°56'05.4"

1°56'05.4"

2261.71 9°58'05.6"

6542.79 28°50'11.7"

599.98 2.62

599.98 2.62

438.99 | 1.40

438.99 1.40

CURVE	ELEMENT	POINT	B2_TRACK	COORD	INATES	RADIUS	LENGTH	DELTA, △	K	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (O°OO'OO'') (TANGENT)	WCB (Oʻ	°00′00'')
001.11		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)				(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
· · · · · · · · · · · · · · · · · · ·	TANGENT	ST	1140+53.74	1872221.467	6231146.020			Antonomorphism						S 23°46'54.9" E		
	TANGENT	TS	1193+31.52	1867391.832	6233274.323											
	COSINE	TS	1193+31.52	1867391.832	6233274.323				· · · · · · · · · · · · · · · · · · ·						S 23°46'54.9" E	S 22°36'23.9" E
	COSINE	SPI	1204+55.77	1866363.047	6233727.683		1600	1°10'31.1"	800	1.55			**************************************			
	COSINE	SC	1209+31.52	1865923.813	6233910.578								**************************************			244444444444444444444444444444444444444
	ARC	SC	1209+31.52	1865923.813	6233910.578				MA & C. ALANO,							
C121	ARC	PI	1220+19.58	1864919.357	6234328.829	39000	2175.55	3°11'46.1"	20000013944449/13333220		250	4.00	2.41			
	ARC	CC		1850932.131	6197907.113						****					
	ARC	CS	1231+07.07	1863893.144	6234690.427	······			***************************************			<u> </u>	**************************************			
												· · · · · · · · · · · · · · · · · · ·				
***************************************	COSINE	CS	1231+07.07	1863893.144	6234690.427	<b>2.4.4.1.0.1.0.1.0.1.0.1.0.0.0.0.0.0.0.0.0</b>			FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF		, — 1111 M				S 19°24'37.7" E	S 18°14'06.7" E
	COSINE	SPI	1235+82.86	1863444.396	6234848.548		1600	1°10'31.1"	800	1.55		от под при на при н На при на пр	THE			
444	COSINE	ST	1247+07.07	1862376.608	6235200.346											
	TANGENT	ST	1247+07.07	1862376.608	6235200.346									S 18°14'06.7" E		
	TANGENT	TS	1257+60.81	1861375.788	6235530.080	***************************************			····		***************************************	***************************************	***************************************		***************************************	

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 1 BOOK 1D SHEET 173 OF 193

↔								
ATE							DESIGNED BY	F
⊕							DRAWN BY	
							CHECKED BY	M
↔							IN CHARGE	
\$USER							DATE	С
$\cap \$ \mid$	REV	DATE	BY	СНК	APP	DESCRIPTION		

RECORD PEPD SUBMITTAL **MAY 3, 2020** NOT FOR CONSTRUCTION

HNTB





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

MORGAN HILL AND GILROY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C121

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0115
scale NONE
SHEET NO.

<del>)</del>								
IJ - -							DESIGNED BY	
<b>⊕</b>							DRAWN BY	
							CHECKED BY	
<del>)</del>							IN CHARGE	
) [ ] (							DATE	
, O	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT TYPE

ELEMENT

CURVE

B2 TRACK

STATION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR

CONSTRUCTION

COORDINATES

NORTHING

EASTING

LENGTH (FT)

DELTA,  $\triangle$ 

RADIUS

(FT)

HNTB





#### **ALTERNATIVE 1** BOOK 1D SHEET 174 OF 193

**SAN JOSE TO MERCED** MORGAN HILL AND GILROY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C122

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	DRAWING NO. TT-B0116
TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO C122	SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

	COSINE	TS	1257+60.81	1861375.788	6235530.080							- And the Control of			S 18°14'06.7" E	S 20°13'49.1" E
	COSINE	SPI	1271+31.03	1860074.376	6235958.848		1950	1°59'42.4"	974.98 3.22	······································	penginga, minematikat de datam 2222 222 minimatika dahah dan minimatika 222 dari kempulan dari dari dari dari da	the second	nettatiitiitiitiitiitiitiitiitiitiitiitiit		dalikhidakuussississississississississississississ	
	COSINE	SC	1277+10.81	1859530.238	6236159.378		4111100A100/A374	W. (1997)			A		NPAINOONEGONEGONEGONEGONEGONEGONEGONEGONEGON			9998-1111111111111111111111111111111111
— W		***************************************	<u> </u>					AND THE PROPERTY OF THE PROPER					OOMALI LOOSEESSESSAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		<u>*************************************</u>	
	ARC	SC	1277+10.81	1859530.238	6236159.378											
C122	ARC	PI	1282+69.38	1859006.125	6236352.529	28000	1117.00	2°17'08.5"		250	6.00		2.93	——————————————————————————————————————		489/AC-0004040444
	ARC	CC		1869212.485	6262432.066											
	ARC	CS	1288+27.80	1858490.132	6236566.430											
taldalain kahalan kaha	COSINE	CS	1288+27.80	1858490.132	6236566.430		Middle de de la	naatiiliiliiliiliiliin kaasta salka ka k				<u> </u>	Comministration and the state of the state o		S 22°30'57.6" E	S 24°30'40" E
	COSINE	SPI	1294+07.72	1857954.424	6236788.502		1950	1°59'42.4"	974.98 3.22	2000COSTATATATATATATATATATATATATATATATATATATA	COCONTROLLER					
	COSINE	ST	1307+77.80	1856707.683	6237356.966											
Allacocomi	TANGENT	ST	1307+77.80	1856707.683	6237356.966		######################################							S 24°30'40.0" E		
	TANGENT	POE	1337+44.13	1854008.683	6238587.604					· · · · · · · · · · · · · · · · · · ·	· · ·					· · · · · · · · · · · · · · · · · · ·
	un-commence of the commence of		1410+00.00		Control of the Control							omen-de-de-de-de-de-de-de-de-de-de-de-de-de-		POLICE NO PARTICIPATION AND AND AND AND AND AND AND AND AND AN		

DESIGN SPEED (MPH)

ACTUAL SUPERELEVATION

(EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN)

BEARING (0°00′00'')

(TANGENT)

WCB (0°00′00")

END ANGLE

START ANGLE

						DESIGNED BY	R
						DRAWN BY	
						CHECKED BY	<u> </u>
						IN CHARGE	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	c

HNTB





#### **ALTERNATIVE 1** BOOK 1D **SHEET 175 OF 193**

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	TT-B0117
TRACK GUIDEWAY  B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C123	SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2_TRACK	COORD	INATES	RĄDIŲS	LENGTH	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (0°00′00")		
		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DEETA, Z		<u> </u>	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE	
	TANGENT	POB	1337+44.13 = 1410+00.00	1854008.683	6238587.604									S 24°30'40.0" E			
	TANGENT	TS	1444+41.62	1850877.221	6240015.426												
	COSINE	TS	1444+41.62	1850877.221	6240015.426						· ·	··		· ·	S 24°30'40.0" E	S 24°11'04.3" E	
Street, St.	COSINE	SPI	1452+42.63	1850148.393	6240347.743		1140	0°19'35.7"	570	0.31							
	COSINE	SC	1455+81.62	1849839.158	6240486.618												
	ARC	SC	1455+81.62	1849839.158	6240486.618				, <u>1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1</u>								
C123	ARC	PI	1462+12.82	1849263.357	6240745.206	100000	1262.39	0°43'23.9"	HEATT LONG TO SERVICE AND		250	0.50	2.00			Assured to the state of the sta	
	ARC	CC	3	1808871.499	6149263.535												
	ARC	CS	1468+44.00	1848684.337	6240996.505				V///// A A A A A A A A A A A A A A A A A								
	COSINE	CS	1468+44.00	1848684.337	6240996.505				······································		***************************************				S 23°27'40.4" E	S 23°08'04.7" E	
	COSINE	SPI	1471+82.99	1848373.374	6241131.466		1140	0°19'35.7"	570	0.31		WARREN WA				and the second s	
900000111111111111111111111111111111111	COSINE	ST	1479+84.00	1847636.774	6241446.179									NACCO TRANSPORTATION OF THE PROPERTY OF THE PR			
<del>14</del>	TANGENT	ST	1479+84.00	1847636.774	6241446.179	Tarana and and and and and and and and and			Name and the state of the state	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>				S 23°08'04.7" E			
	TANGENT	TS	1502+44.32	1845558.226	6242334.241						W.1	**************************************					

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# LIMIT #

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	į.		}	B A	ž	\$	\$		1 1	<b>i</b>		į.		1	\$	)
· · · · · · · · · · · · · · · · · · ·	COSINE	SPI	1510+45.33	1844821.626 6242648.954		1140	0°21'46.3"	570	0.34	······································						
	COSINE	SC	1513+84.32	1844509.060 6242780.163	3,442.2	222222222222222222222222222222222222222	***************************************	x3322.0000000000000000000000000000000000	333311111111111111111111111111111111111	3322/99			***************************************	***************************************		
		· · · · · · · · · · · · · · · · · · ·			<u> </u>			10110110011001100110011001100110011001								
	ARC	SC	1513+84.32	1844509.060 6242780.163	<u> </u>	7		**************************************		<u> </u>			<u> </u>			, , , , , , , , , , , , , , , , , , ,
C124	ARC	PI	1519+62.56	1843975.888 6243003.979	90000	1156.47	0°44'10.4"			250	0.80	2000 100 100 100 100 100 100 100 100 100	1.98			
	ARC	CC		1809673.544 6159795.304					7,72,72,83,83			50000000000000000000000000000000000000				
	ARC	CS	1525+40.79	1843439.884 6243220.925				······································								
	3113111 A	AAAA #################################	1.		***************************************		4 d	144.00000 144.444.01333331E2000000000000000000000000000000			NOOCEEEECONNINGALAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		***************************************		<b>4</b>	00-4-4-1-10-00-00-00-00-00-00-00-00-00-00-00-0
	COSINE	CS	1525+40.79	1843439.884 6243220.925											S 22°02'07.9" E	S 21°40'21.6"
	COSINE	SPI	1528+79.78	1843125.657 6243348.108		1140	0°21'46.3"	570	0.34			от на при				
	COSINE	ST	1536+80.79	1842381.268 6243643.925						, , , , , , , , , , , , , , , , , , , ,						
AAAA		004				NATION OF THE PROPERTY OF THE		2001 A-41 RC4 LC/10 L1 L					AADBIII AAA			
ov.	TANGENT	ST	1536+80.79	1842381.268 6243643.925	994EEEGATTILOONNY9999999999999999999999999999999999	2294 O PER MATINA CECCOMMUNICANI PARA PRANTI PARA PRANTI PARA PERA NEGATI NEGATI NEGATI NEGATI NEGATI NEGATI N	UP-METHODOLOGICALITACITATITATITATITATICA (CONTRACTOR CONTRACTOR CO	STATE OF THE STATE	49047(68012801280128012801	4.466672455554395553955539555395553955539555395	AGGALIANNAY/PEB BYDOAULAAII GEEGGGGGGGGGGGGAALIAAULAAULAAULAAULAAULAAULAAULAAULAAUL	A332003920039200392003920039200392003920	HAMIDANIPANIPANI (EEEGOOOOOO OO HIDANIPANIPANIPANIPANIPANIPANIPANIPANIPANIP	S 21°40'21.6" E		
	TANGENT	TS	1608+35.25	1835732.566 6246286.091		Port principal de la constant de la						T-Condition -		Territoria de la constanta de		
ACAMANA		333			<u> </u>											
	COSINE	TS	1608+35.25	1835732.566 6246286.091											S 21°40'21.6" E	S 22°26'46.2"
	COSINE	SPI	1614+04.39	1835203.655 6246496.278		810	0°46'24.6"	405	0.52							
	COSINE	SC	1616+45.25	1834981.039 6246588.243				AND THE STREET			N. Service and Ser					
	ARC	SC	1616+45.25	1834981.039 6246588.243												
C125	ARC	PI	1621+16.34	1834545.635 6246768.114	30000	942.11	1°47'57.5"			190	3.25		1.56			
	ARC	CC		1846435.490 6274315.406					The second secon							
	ARC	CS	1625+87.36	1834116.093 6246961.568		***************************************			rpapas pasas							
			American services											To Annie Control of Co		
	COSINE	CS	1625+87.36	1834116.093 6246961.568								O			S 24°14'43.6" E	S 25°01'08.2"
	COSINE	SPI	1628+28.22	1833896.475 6247060.478		810	0°46'24.6"	405	0.52					**************************************		
	COSINE	ST	1633+97.36	1833380.734 6247301.179			Name of the Control o	**************************************						***************************************		
				<u></u>										######################################		
	TANGENT	ST	<u> </u>	1833380.734 6247301.179		-						70 000		S 25°01'08.2" E		
	TANGENT	TS	1652+66.24	1831687.214 6248091.563		***						жанда да се		***************************************		

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1D
SHEET 176 OF 193

						DESIGNED BY	
						DRAWN BY	
						CHECKED BY	N
						IN CHARGE	
						DATE	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT TYPE

ELEMENT

COSINE

CURVE

B2 TRACK

STATION

RECORD PEPD SUBMITTAL

MAY 3, 2020

NOT FOR CONSTRUCTION

COORDINATES

NORTHING

1502+44.32 | 1845558.226 | 6242334.241

EASTING

LENGTH (FT)

DELTA, △

RADIUS

(FT)

HNTB





ACTUAL SUPERELEVATION

(EA) (IN)

DESIGN SPEED

(MPH)

UNBALANCED SUPERELEVATION (EU) (IN) BEARING (0°00′00'')

(TANGENT)

WCB (0°00′00")

END ANGLE

S 22°46'18.4" E

START ANGLE

S 23°08'04.7" E

## CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MORGAN HILL AND GILROY

TRACK GUIDEWAY

B2 TRACK ALIGNMENT DATA TABLE

CURVE NO. C124 AND C125

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0118
scale NONE
SHEET NO.

CURVE	ELEMENT	POINT	B2_TRACK	COORD	INATES	RADIUS	LENGTH	DELTA, △	K	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	<i>52217</i> , 2	. ,	·	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	COSINE	TS	1652+66.24	1831687.214	6248091.563										S 25°01'08.2" E	S 23°45'21.0" E
· ·	COSINE	SPI	1659+47.82	1831069.590	6248379.814		970	1°15'47.2"	485	1.01						
	COSINE	SC	1662+36.24	1830805.580	6248496.013			***************************************	>>>>>							
000		······································				**************************************			///		···· · · · · · · · · · · · · · · · · ·					• • • • • • • • • • • • • • • • • • •
<u> </u>	ARC	SC	1662+36.24	1830805.580	6248496.013	· · · · · · · · · · · · · · · · · · ·										
C126	ARC	PI	1668+18.74	1830272.439	6248730.666	22000	1164.72	3°02'00.0"			150	3.00	1.09			
	ARC	CC	***************************************	1821943.101	6228360.064											
	ARC	CS	1674+00.96	1829727.627	6248936.778											
	COSINE	CS	1674+00.96	1829727.627	6248936.778										S 20°43'21.0" E	S 19°27'33.8" E
	COSINE	SPI	1676+89.41	1829457.838	6249038.844		970	1°15'47.2"	485	1.01	**************************************		<u></u>			***************************************
	COSINE	ST	1683+70.96	1828815.194	6249265.903									• • • • • • • • • • • • • • • • • • • •		
<u></u>	TANGENT	ST	1683+70.96	1828815.194	6249265.903	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	**************************************	римпо <i>галинамина</i> времення по поставления по поставления по по поставления по	2003333333344EEEEEEEEEEEEEEEEEEEEEEEEEEE	AT 10 10 10 10 10 10 10 10 10 10 10 10 10	11—218700—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—11841—1184		<u>2002000011160001990019900199001990019900</u>	S 19°27'33.8" E	**************************************	AND CONTROL OF THE STATE OF THE
	TANGENT	TS	1736+84.96	1823804.741	6251036.202											

NOTE:

1.THE VERTICAL CURVE CONTROLS THE SPEED AT 80MPH BETWEEN STATION B1734+00.23 TO B1739+00.23.

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 177 OF 193

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\$							DRAWN BY	† ;
							CHECKED BY	M.
<del>()</del>							IN CHARGE	1
\$USER							DATE	co
\$	REV	DATE	BY	СНК	APP	DESCRIPTION		

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

1111 Broadway 9th Floor Oakland, CA 94607





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MORGAN HILL AND GILROY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C126

Ī	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0119
	scale NONE
	SHEET NO.

COORDINATES

1823804.741 6251036.202

1822931.387 6251355.642

1822931.387 6251355.642

1820993.916 6252122.048

1827547.744 6263025.764

1819408.035 6253473.401

NORTHING

1743+38.46 | 1823188.574 | 6251253.906

1787+44.38 | 1819408.035 | 6253473.401

1790+20.96 | 1819197.520 | 6253652.784

1796+74.38 | 1818716.157 | 6254094.765

1796+74.38 | 1818716.157 | 6254094.765

1843+65.65 | 1815260.587 | 6257267.620

1843+65.65 | 1815260.587 | 6257267.620

1859+10.65 | 1814135.698 | 6258326.518

1942+24.69 | 1809745.546 | 6265304.656

1942+24.69 | 1809745.546 | 6265304.656

1946+84.18 | 1809593.673 | 6265738.324

1814460.891 6258001.890

1814135.698 6258326.518

1811143.147 6261313.872

1827205.799 6271419.358

1809277.920 6266777.057

EASTING

LENGTH (FT)

DELTA, △

2°07'22.5"

2°07'22.5"

2°23'32.9"

2°23'32.9"

8314.04 25°44'57.1"

1545

1545

4129.42 18°51'09.0"

464.99 | 1.63

464.99 1.63

772.48 3.06

772.48 3.06

RADIUS

(FT)

12550

HNTB



ACTUAL SUPERELEVATION (EA) (IN)

4.75

5.75

DESIGN SPEED (MPH)

150

UNBALANCED SUPERELEVATION (EU) (IN)

2.42

2.90

BEARING (0°00′00'')

(TANGENT)

S 42°33'27.8" E

WCB (0°00′00")

END ANGLE

S 21°34'56.3" E

S 42°33'27.8" E

S 44°57'00.7" E

S 73°05'30.8" E

SAN JOSE TO CVY EIR/S: VOLUME III

START ANGLE

S 19°27'33.8" E

S 40°26'05.3" E

S 42°33'27.8" E

S 70°41'57.8" E

**ALTERNATIVE 1** BOOK 1D **SHEET 178 OF 193** 

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MORGAN HILL AND GILROY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C127 AND C128

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0120
scale NONE
SHEET NO.

<del>n</del>								
							DESIGNED BY	
\$UA I E							DRAWN BY	
							CHECKED BY	N
JSEKB							IN CHARGE	
#USF	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT TYPE

ELEMENT

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

**TANGENT** 

**TANGENT** 

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

CC

ST

CURVE

C127

C128

B2 TRACK

STATION

1736+84.96

1746+14.96

1746+14.96

1766+98.51

1787+44.38

1854+51.31

1859+10.65

1901+39.08

1957+69.69

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#### **ALTERNATIVE 1** BOOK 1D SHEET 179 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	DRAWING NO. TT-B0121
TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C129	SHEET NO.

CURVE	ELEMENT	POINT	B2 TRACK	COORD	INATES	RADIUS	LENGTH	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)				(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	ST	1957+69.69	1809277.920	6266777.057							- COMPARIANT		S 73°05'30.8" E		
6	TANGENT	TS	1971+66.98	1808871.535	6268113.949											
	COSINE	TS	1071+66 09	14000074 525	6268113.949	· · · · · · · · · · · · · · · · · · ·		•							C 72°05'20 8" E	C 75°20'02 7" E
	COSINE														S 73°05'30.8" E	S 75°29'03.7" E
	COSINE	SPI	1982+52.64	1808555.782	6269152.682	Williams Tourist Touri	1545	2°23'32.9"	772.48	3.06	725-72-	18970000 ANNA				A STATE OF THE STA
	COSINE	SC	1987+11.98	1808440.613	6269597.507											
	ARC	SC	1987+11.98	1808440.613	6269597.507			- 1000000000000000000000000000000000000								H31000400318300537637m3310000537637318338000444763748300444444444444444444444444444444444
C129	ARC	Pl	2026+00.20	1807466.053	6273361.612	18500	7664.87	23°44'19.2"			200	5.75	2.90		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	A PRITTETI MAGAMANIAN MANANAN MATERIAN MANANAN TITTAN MAGAMAN MAGAMAN MAGAMAN MAGAMAN MAGAMAN MAGAMAN MAGAMAN MA
	ARC	CC		1826350.080	6274234.425			1						1		
	ARC	CS	2063+76.85	1808089.249	6277199.565											
	COSINE	CS	2063+76.85	1808089 249	6277199.565	<del></del>		The second secon					A CANADA		N 80°46'37.1" E	N 78°23'04.2" E
- Andrew -	COSINE	SPI			6277653.116		1545	2°23'32.9"	772.48	3.06					1 00 1001.1 L	1470 2001.2 2
A CONTRACTOR OF THE CONTRACTOR	COSINE	ST	2079+21.85	1808381.486	6278716.547				WWW.			···				THE PLANTS OF THE PROPERTY OF
	TANGENT	ST	2079+21.85	1808381.486	6278716.547	000 p			Whath Walk State State Annama and					N 78°23'04.2" E		
	TANGENT	POE	2160+00.00	1810007.966	6286629.265							A-C				AMERICA TO THE PARTY OF THE PAR

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DESIGNED BY CHECKED BY IN CHARGE CONSTRUCTION DESCRIPTION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR

HNTB

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SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 180 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MORGAN HILL AND GILROY	DRAWING NO. TT-B0122
TRACK GUIDEWAY  B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C130	SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK	COORD	INATES	RADIUS	LENGTH	DELTA, △	K	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (O°OO'OO'') (TANGENT)	WCB (O	°00′00'')
		IYPE	STATION	NORTHING	EASTING	(FT)	(FT)			'	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
and a constant	TANGENT	POB	2160+00.00	1810007.966	6286629.265									N 78°23'04.2" E		
	TANGENT	TS	2182+25.40	1810456.034	6288809.090											A CONTRACTOR OF THE PROPERTY O
	COSINE	TS	2182+25.40	1810456.034	6288809.090						The second of the second				N 78°23'04.2" E	N 75°49'57.6" E
	COSINE	SPI	2199+82.16	1810809.745	6290529.870		2500	2°33'06.6"	1249.96	5.27						
	COSINE	SC	2207+25.40	1810991.728	6291250.786	444444444444444444444444444444444444444										
	ARC	SC	2207+25.40	1810991.728	6291250.786						***************************************					
C130	ARC	PI	2284+49.03	1812882.124	6298739.506	28066	15074.12	30°46'23.9"			200	4.50	1.20			
	ARC	CC		1838204.101	6284381.500											
	ARC	CS	2357+99.52	1818337.898	6304206.594						550000	20570958				
A CONTRACTOR OF THE CONTRACTOR	COSINE	CS	2357+99.52	1818337.898	6304206.594										N 45°03'33.6" E	N 42°30'27.0" E
t-da-da-da-da-ca-	COSINE	SPI	2365+43.05	1818863.109	6304732.894	W	2500	2°33'06.6"	1249.96	5.27	- AND LONG TO A STREET OF THE					
TO THE	COSINE	ST	2382+99.52	1820158.170	6305919.911	1011011		4111								
- Company of the Comp	TANGENT	ST	2382+99.52	1820158.170	6305919.911				OCCUPATION AND THE PROPERTY OF					N 42°30'27.0" E		
	TANGENT	POE	2387+88.85 = 3144+59.57		6306250.545											

						DESIGNED BY	RECORD PEPD
						DRAWN BY	SUBMITTAL
						CHECKED BY	MAY 3, 2020
						IN CHARGE	NOT FOR
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	CONSTRUCTION

HNTB





#### **ALTERNATIVE 1** BOOK 1D SHEET 181 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED	DRAWING NO.
PACHECO PASS	TT-B0123
TRACK GUIDEWAY	scale NONE
B2 TRACK ALIGNMENT DATA TABLE	
CURVE NO. C131	SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK	COORD	INATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00'00") (TANGENT)	WCB (O	°00′00'')
CORVE		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	J DEETA, A		'	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	Tangent	POB	2387+88.85 = 3144+59.57		6306250.545									N 42°30'27.0" E		
	Tangent	TS	3148+52.15	1820808.304	6306515.806											
	Cosine	TS	3148+52.15	1820808.304	6306515.806		**************************************			**************************************					N 42°30'27.0" E	N 45°03'55.3" E
	Cosine	SPI	3166+08.91	1822103.366	6307702.824		2500	2°33'28.3"	1249.96	5.29						
220004444000444440040000000000000000000	Cosine	SC	3173+52.15	1822628.522	6308229.180				·							
			000 para 1000 para 1	######################################	7310		SAMAGES SERVICE SESSION SESSIO	44 A A A A A A A A A A A A A A A A A A			12/241111111111111111111111111111111111					
	Arc	SC	3173+52.15	1822628.522	6308229.180					MILENAGONI						
C131	Arc	PI	3209+88.88	1825197.141	6310803.666	28000	7232.96	14°48'02.3"			200	3.00	2.71			
	Arc	CC		1802806.960	6328005.572											
	Arc	CS	3245+85.11	1827022.865	6313948.902	***************************************										
	Cosine	CS	3245+85.11	1827022.865	6313948.902			•••••••••••••••••••••••••••••••••••••••			***************************************				N 59°51'57.6" E	N 62°25'25.9" E
	Cosine	SPI	3253+28.64	1827396.136	6314591.948		2500	2°33'28.3"	1249.96	5.29		· · ·				
NATION AND PROPERTY.	Cosine	ST	3270+85.11	1828209.386	6316149.132		770041743393341114					33)))))(11)				41))))(11)1
nontrolled a served a secure de la fact de l	Tangent	ST	3270+85.11	1828209.386	6316149.132		MANANANINE ALALE E E E E E E E E E E E E E E E E							N 62°25'25.9" E		omni je načanské kreleníním szeconekáci k kek kek elem maze con szecone con szecone con szecone con szecone con
	Tangent	TS	3473+31.90	1837582.173	6334095.815	***************************************	***************************************				<u> </u>				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

I	1			1101111110			1		1		, ,	, – , , - , ,		(20) (1.1)	, , , , , ,	J 71711 7110EE	
	Cosine	TS	3473+31.90	1837582.173	6334095.815				· · .				Annual Market			N 62°25'25.9" E	N 62°09'43.8" E
	Cosine	SPI	3481+75.07	1837972.500	6334843.199		1200	0°15'42.1"	600	0.26							
	Cosine	SC	3485+31.90	1838139.129	6335158.734												
			4						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
	Arc	SC	3485+31.90	1838139.129	6335158.734	***							ALL COLORS COLOR	*****			
C132	Arc	PI	3493+91.00	1838540.304	6335918.414	131366	1718.18	0°44'57.8"			200	0.00	and the state of t	1.22			
	Arc	CC		1954302.509	6273814.663								PARTICULAR				
	Arc	CS	3502+50.08	1838951.381	6336672.783												
The state of the s	Cosine	CS	3502+50.08	1838951.381	6336672.783											N 61°24'46.0" E	N 61°09'03.9" E
	Cosine	SPI	3506+06.91	1839122.123	6336986.111		1200	0°15'42.1"	600	0.26		***************************************					
	Cosine	ST	3514+50.08	1839528.955	6337724.642	Millippe											
	Tangent	ST	3514+50 08	1839528 955	6337724.642	-						447,000		48 70000000	N 61°09'03.9" E		
ones descentamento	Tangent	TS		<u> </u>	6345166.567					1			д <sub>е</sub> рен				
						NZIMAMMA.											
	Cosine	TS		<b></b>	6345166.567											N 61°09'03.9" E	N 58°48'44.9"
	Cosine	SPI			6346397.537		2000	2°20'19.0"	999.98	3.87		<u> </u>	Question of the state of the st		***************************************		
	Cosine	SC	3619+46.45	1844614.582	6346906.381	- ANTHER CONTRACTOR OF THE STREET		333			<u></u>						
	Arc	SC	3619+46.45	1844614.582	6346906.381	——————————————————————————————————————			HACTICO3304CAA.C3303737C330000037CANOA.C4C33004466			W	3.753.003.000.000.333.000.0000.0000.0000	***************************************			***************************************
C133	Arc	PI	3660+91.36	1846760.988	6350452.261	24500	8212.07	19°12'17.2"			200	5.50		1.03			
<u> </u>	Arc	CC		1865573.770	6334219.284	***************************************							O COLOR DE LA COLO				
	Arc	CS	3701+58.51	1849954.345	6353094.759												
· · · · · · · · · · · · · · · · · · ·	Cosine	CS	3701+58.51	1849954.345	6353094.759											N 39°36'27.7" E	N 37°16'08.8" [
	Cosine	SPI	3707+53.32	1850412.601	6353473.965		2000	2°20'19.0"	999.98	3.87			AS PARTIES AND A	- Allen and a second a second and a second a			
	Cosine	ST	3721+58.51	1851531.007	6354325.009						SALVAGO 2000 CAGAININININININININININININININININININI						
	Tangent	ST	3721+58.51	1851531.007	6354325.009	XXXX		1				oddischendeltolvennendoded (CCIIII) de		APPLIANT APP	N 37°16'08.8" E	**************************************	
	Tangent	TS		1857522.263	<u> </u>					travel de la constante de la c							

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 182 OF 193

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\$USE	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	
•	<u>'</u>			•	•			

B2 TRACK STATION

POINT TYPE

ELEMENT

CURVE

COORDINATES

NORTHING EASTING

RADIUS (FT)

LENGTH (FT)

DELTA, △

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

HNTB





ACTUAL SUPERELEVATION (EA) (IN)

DESIGN SPEED (MPH)

UNBALANCED SUPERELEVATION (EU) (IN)

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED**

BEARING (0°00'00") (TANGENT)

WCB (0°00′00")

END ANGLE

START ANGLE

PACHECO PASS TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C132 AND C133

T	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0124
	scale NONE
	SHEET NO.

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						DESIGNED BY	
						DRAWN BY	
						CHECKED BY	<del> </del>   լ
						IN CHARGE	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT

TYPE

SC

ELEMENT

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

Tangent

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

CC

C135

CURVE

C134

B2 TRACK

STATION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR

CONSTRUCTION

COORDINATES

1845333.340 6377265.140

EASTING

NORTHING

3796+87.11 1857522.263 6358884.019

3816+98.44 1859122.880 6360101.999

3825+49.11 1859765.459 6360660.504

3825+49.11 1859765.459 6360660.504

3880+36.23 | 1863906.901 | 6364260.087

3933+03.92 1865872.838 6369382.942

3933+03.92 1865872.838 6369382.942

3941+55.29 1866177.869 6370177.795

3961+65.92 1866774.911 6372098.469

3961+65.92 1866774.911 6372098.469

4047+25.00 1869315.585 6380271.771

4047+25.00 1869315.585 6380271.771

4056+03.31 1869576.302 6381110.493

4059+75.00 1869682.008 6381466.848

4059+75.00 1869682.008 6381466.848

4066+40.04 1869871.133 6382104.431

4073+05.00 1870042.521 6382747.009

4073+05.00 1870042.521 6382747.009

4076+76.70 1870138.313 6383106.156

4085+55.00 1870353.594 6383957.674

1823663.860 6395117.127

LENGTH (FT)

2862

22000 10754.82 28°00'33.7"

2862

1250

1330

1250

48000

DELTA, △

3°43'36.6"

3°43'36.6"

0°44'45.7"

1°35'15.2"

0°44'45.7"

RADIUS

(FT)

HNTB





ACTUAL SUPERELEVATION (EA) (IN)

6.00

3.50

DESIGN SPEED (MPH)

200

250

Ρ

1430.91 8.82

1430.91 8.82

625 0.77

625 0.77

#### **ALTERNATIVE 1** BOOK 1D SHEET 183 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT **SAN JOSE TO MERCED** 

B2 TRACK

BEARING (0°00′00'') (TANGENT)

N 72°43'55.6" E

WCB (0°00′00")

N 37°16'08.8" E N 40°59'45.3" E

N 69°00'19" E N 72°43'55.6" E

N 72°43'55.6" E N 73°28'41.4" E

N 75°03'56.6" E N 75°48'42.4" E

END ANGLE

START ANGLE

UNBALANCED SUPERELEVATION (EU) (IN)

1.27

1.71

SAN JUSE IU MERCED
PACHECO PASS
TRACK GUIDEWAY
TRACK ALIGNMENT DATA TABLE
CURVE NO. C134 AND C135

T	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0125
	scale NONE
	SHEET NO.

DESIGNED BY DRAWN BY CHECKED BY IN CHARGE DATE BY CHK APP DESCRIPTION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR

CONSTRUCTION

COORDINATES

EASTING

NORTHING

4085+55.00 1870353.594 6383957.674

4098+14.81 | 1870662.385 | 6385179.059

4098+14.81 | 1870662.385 | 6385179.059 |

4110+09.33 1870955.170 6386337.137

4115+14.81 1871068.638 6386829.767

4115+14.81 | 1871068.638 | 6386829.767

4233+20.38 1873718.430 6398334.115

4344+74.12 1869696.938 6409433.621

4344+74.12 1869696.938 6409433.621

4349+79.65 1869524.733 6409908.916

4361+74.12 | 1869094.057 | 6411023.091

4361+74.12 1869094.057 6411023.091

1832089.239 6395807.876

1866556.165 6417588.715

B2 TRACK

STATION

4432+13,18

=4410+00.00

POINT

TYPE

ELEMENT

Tangent

Tangent

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

Tangent

POE

CURVE

C136

LENGTH (FT)

1700

40000 22959.31 32°53'12.4"

1700

DELTA, △

1°13'03.1"

1°13'03.1"

RADIUS

(FT)

HNTB

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ACTUAL SUPERELEVATION (EA) (IN)

4.00

UNBALANCED

SUPERELEVATION (EU) (IN)

2.25

DESIGN SPEED (MPH)

Ρ

849.99 1.71

849.99 1.71

**ALTERNATIVE 1** BOOK 1D SHEET 184 OF 193

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

BEARING (0°00′00'') (TANGENT)

N 75°48'42.4" E

S 68°51'58.9" E

WCB (0°00′00")

N 75°48'42.4" E N 77°01'45.5" E

S 70°05'02.1" E | S 68°51'58.9" E

END ANGLE

START ANGLE

PACHECO PASS TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C136

CONTRACT NO. HSR15-34
TT-B0126
scale NONE
SHEET NO.

DESIGNED BY DRAWN BY CHECKED BY IN CHARGE DATE BY CHK APP DESCRIPTION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

1111 Broadway 9th Floor Oakland, CA 94607





#### **ALTERNATIVE 1** BOOK 1D SHEET 185 OF 193

SAN JOSE TO MERCED SAN JOAQUIN VALLEY TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C137

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0127
scale NONE
SHEET NO.

CURVE	ELEMENT	POINT	B2 TRACK	COORD	NATES	RĄDĮŲS	S LENGTH	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00'')	WCB (O	°00′00'')
331112		TYPE	STATION	NORTHING	EASTING (FI)	(FT)	(FT)				(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	РОВ	4426+12.16 = 4410+00.00	1866556.165	6417588.715			·						S 68°51'58.9" E		
COSSICUATION COSSISTANCE COSSI	TANGENT	TS	4522+81.61	1862488.645	6428111.548						en fredominadores como dana da la como como con como como					
	COSINE	TS	4522+81.61	1862488.645	6428111.548		1100 0011111111111111111111111111111111	12000001007a	13377				· · · · · · · · · · · · · · · · · · ·	**************************************	S 68°51'58.9" E	S 69°52'35.0" E
	COSINE	SPI	4534+40.99	1862070.639	6429192.946		1650	1°00'36"	825	1.38	**************************************					
	COSINE	SC	4539+31.61	1861901.831	6429653.647	######################################		111111111111111111111111111111111111111	<b>A</b>							
	ARC	SC	4539+31.61	1861901.831	6429653.647											
C137	ARC	PI	4615+71.14	1859273.478	6436826.800	46800	15145.47	18°32'32"			250	4.00	1.34			
	ARC	CC		1905844.811	6445755.027											
	ARC	CS	4690+77.08	1859062.638	6444463.416											
	COSINE	CS	4690+77.08	1859062.638	6446113.202						××××××××××××××××××××××××××××××××××××××				S 88°25'06.7" E	S 89°25'42.8" E
	COSINE	SPI	4695+67.73	1859049.097	6444953.884		1650	1°00'36"	825	1.38						
Ferrorea Samon Marie La	COSINE	ST	4707+27.08	1859037.534	6446113.202		3324		44460330444							
	TANGENT	ST	4707+27.08	1859037.534	6446113.200									S 89°25'42.8" E		
CASCANDOCACACACACACACACACACACACACACACACACACACA	TANGENT	TS	4816+47.36	1858928.618	6457032.942			<u></u>			1986.T771///////////////////////////////////	***************************************				

						DESIGNED BY	
						DRAWN BY	
						CHECKED BY	1
						IN CHARGE	1
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	-

POINT TYPE

ELEMENT

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

**TANGENT** 

CURVE

C138

B2 TRACK

STATION

4825+27.36

RECORD PEPD SUBMITTAL

MAY 3, 2020

NOT FOR CONSTRUCTION

COORDINATES

1858919.513 6457912.895

4831+20.89 | 1858912.847 | 6458506.388 | 350000

1508941.586 6453982.139

EASTING

NORTHING

4816+47.36 | 1858928.618 | 6457032.942

4822+65.69 | 1858922.451 | 6457651.237

4825+27.36 | 1858919.513 | 6457912.895

4837+14.42 | 1858904.168 | 6459099.854

4837+14.42 | 1858904.168 | 6459099.854

4839+76.09 | 1858900.342 | 6459361.500

4845+94.42 | 1858890.524 | 6459979.748

4845+94.42 | 1858890.524 | 6459979.748 |

LENGTH (FT)

880

1187.06

880

DELTA, △

0°04'19"

0°11'40"

0°04'19"

RADIUS

(FT)

HNTB





ACTUAL SUPERELEVATION

(EA) (IN)

0.00

DESIGN SPEED (MPH)

0.05

0.05

440

440

UNBALANCED SUPERELEVATION (EU) (IN)

0.71

ALTERNATIVE 1
BOOK 1D
SHEET 186 OF 193

## CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

BEARING (0°00'00'')

(TANGENT)

S 89°05'24.6" E

WCB (0°00′00")

END ANGLE

S 89°21'23.5" E

S 89°05'24.6" E

START ANGLE

S 89°25'42.8" E

S 89°09'43.9" E

SAN JOAQUIN VALLEY

TRACK GUIDEWAY

B2 TRACK ALIGNMENT DATA TABLE

CURVE NO. C138 AND C139

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0128
scale NONE
SHEET NO.

	ARC	***************************************	Y20000100100100100101001010111111111111	1858668.023 6473970.030						***************************************				
139	ARC		4990+27.67	1858660.478 6474411.165	360000	882.4	0°08'26"			250	0.00	0.69		
**************************************	ARC	CC	epumpanyanononakaroponyaasotanyanoonahinnyyyanoonininassa	1498720.668 6467813.635	######################################	······································		446972C			TITATIIIIIIIIIII AANNAMMAANAANAANAANAANAANAANAANAANAANAAN		7711V400	ZANYO Z
······································	ARC	CS	4994+68.87	1858651.852 6474852.281	**************************************	and encounceration in the page in the last of the last		MATTER CONTRACTOR OF THE PARTY					THE STATE OF THE S	<del>с</del> шеререре
С	COSINE	cs	4994+68.87	1858651.852 6474852.281			And the state of t						S 88°52'46.9" E	S 88°48'34
C	COSINE	SPI	4997+30.55	1858646.736 6475113.906		880	0°04'12"	440	0.05			and the same of th		
C	COSINE	ST	5003+48.87	1858633.891 6475732.098	·		лавамий/даний/ температира (пределения)		The state of the s			Management of the second of th	***************************************	

RD PEPD MITTAL FOR RUCTION

COORDINATES

1858633.891 6475732.098

1998072.354 6504222.431

1858077.032 6503077.982

1858077.032 6503077.982

1858070.949 6504227.965

1858070.949 6504227.965

1858051.106 | 6509106.386

NORTHING

5253+61.39 | 1858114.287 | 6500739.223

5253+61.39 | 1858114.287 | 6500739.223

5261+69.43 | 1858097.501 | 6501547.089

5265+11.39 | 1858091.801 | 6501889.002

5265+11.39 | 1858091.801 | 6501889.002

5271+05.93 | 1858081.892 | 6502483.461

5280+42.43 | 1858074.236 | 6503419.932

EASTING

LENGTH (FT)

1150

1189.07

1150

DELTA, △

0°14'07"

0°29'12"

0°14'07"

RADIUS

(FT)

140000

POINT TYPE

CC

POE

ELEMENT

**TANGENT** 

**TANGENT** 

COSINE

COSINE

COSINE

ARC

ARC

ARC

ARC

COSINE

COSINE

COSINE

**TANGENT** 

**TANGENT** 

CURVE

C140

B2 TRACK

STATION

5003+48.87

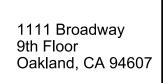
5277+00.47

5277+00.47

5288+50.47

5288+50.47

5337+28.93





ACTUAL SUPERELEVATION

(EA) (IN)

0.75

DESIGN SPEED (MPH)

0.22

0.22

575

575

**ALTERNATIVE 1** BOOK 1D **SHEET 187 OF 193** 

CURVE NO. C140

BEARING (0°00′00'')

(TANGENT)

S 88°48'34.8" E

S 89°46'01.0" E

WCB (0°00′00")

END ANGLE

S 89°02'41.9" E

S 89°46'01.0" E

START ANGLE

S 88°48'34.8" E

S 89°31'53.8" E

UNBALANCED SUPERELEVATION (EU) (IN)

1.04

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  SAN JOAQUIN VALLEY	DRAWING NO. TT-B0129
TRACK GUIDEWAY B2 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO. C140	SHEET NO.

**SAN JOSE TO CVY EIR/S: VOLUME III** 

<del>()</del>								
A I E							DESIGNED BY	RECORD
3							DRAWN BY	SUBMIT
							CHECKED BY	<b>│</b> MAY 3,
<del>⊕</del> Ƴ							IN CHARGE	- NOT I
\$USEK	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	CONSTRU

HNTB

\$USER\$ \$DATE\$

						DESIGNED BY	
						DRAWN BY	
						CHECKED BY	
						IN CHARGE	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT TYPE

POB

SPI

ELEMENT

TANGENT

**TANGENT** 

COSINE

COSINE

COSINE

ARC

ARC

CURVE

B1 TRACK

STATION

RECORD PEPD SUBMITTAL

MAY 3, 2020

NOT FOR CONSTRUCTION

COORDINATES

NORTHING

2159+87.24 | 1810024.197 | 6286625.928

2176+93.64 | 1810367.778 | 6288297.384

2176+93.64 | 1810367.778 | 6288297.384

2194+50.38 | 1810721.493 | 6290018.137

2201+93.64 | 1810900.718 | 6290739.721

2201+93.64 | 1810900.718 | 6290739.721

2222+48.39 | 1811396.022 | 6292733.882 | 30700

EASTING

RADIUS (FT) LENGTH (FT)

DELTA, △

4103.38 7°39'29.5"

2°19'58.4" | 1249.97 | 4.82

HNTB





ACTUAL SUPERELEVATION (EA) (IN)

4.00

UNBALANCED SUPERELEVATION (EU) (IN)

1.21

BEARING (0°00′00'')

(TANGENT)

N 78°23'03.1" E

WCB (0°00′00")

END ANGLE

N 76°03'04.7" E

START ANGLE

N 78°23'03.1" E

DESIGN SPEED (MPH)

200

# ALTERNATIVE 1 BOOK 1D SHEET 188 OF 193

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED

MORGAN HILL AND GILROY

TRACK GUIDEWAY

B1 TRACK ALIGNMENT DATA TABLE

CURVE NO. C230

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0130
scale NONE
SHEET NO.

			4				3							
	ARC	CC		1840695.435 62833	339.395	WITH THE PROPERTY OF THE PROPE	***************************************							
and the second s	ARC	CS	2242+97.02	1812152.655 62946	644.250		and the state of t							
**************************************			AAGGAAEIIIIII			www.	- 1				DAMINWINI (2007)		***************************************	C-DIOD- 11 ANNIHIAAAN DANNAA CAAAAAAAAAAAAAAAAAAAAAAAAAAA
· · · ·	COMPOU					***************************************		·······································						
**************************************	ND	CS	2242+97.02	1812152.655 62946	644.250		***************************************	NO.					N 68°23'35.2" E	N 66°02'44.0" E
	COSINE	***************************************			333333	-139200001 MARIA	**************************************							VII.
	COMPOU				***************************************			-				derinante der der der der der der der der der de		
C230	ND	SPI	2249+08.29	1812377.747 62952	212.566		1200	2°20'51.2"	52.76 0.11			upungangan na mangangan na mangan na mangangan na mangan na mangangan na mangangan na mangan na mangan na mangan na mangan na mangan na mangan na ma		
<u></u>	COSINE	························		M		····					Alexandra Maria Mari			
	COMPOU											<b>300</b>		
10000000000000000000000000000000000000	ND	SC	2254+97.02	1812616.846 62957	750.742	•	****			standard designation of the standard st				
LUCATION CO.	COSINE													
		92/44				9992	1155 AM 2005 A	The \$40000000 American Control of the Control of th			AMAV			NEE TO THE STATE OF THE STATE O
	ARC	SC	Parties and the second and the secon	1812616.846 62957	<del></del>	***************************************	000-0000000000000000000000000000000000	Maries 6-00 and 10 and						
A19-129-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-020-9-119-02	ARC	PI	2306+81.51	1814721.801 63004	188.684	28000	10252.86	20°58'48.7"		200	4.00	1.71		
AND COMMANDE	ARC	CC		1838205.166 62843	382.460									
	ARC	CS	2357+49.88	1818383.604 63041	158.851			Nation Control of the			- Common - C	N N N N N N N N N N N N N N N N N N N		W
			···		······································									
Dispersion of the Control of the Con	COSINE	CS	2357+49.88	1818383.604 63041	158.851	MAVE							N 45°03'55.3" E	N 42°30'27.0" E
The state of the s	COSINE	SPI	2364+93.41	1818908.760 63046	85.207		2500	2°33'28.3"	1249.96 5.29					
	COSINE	ST	2382+49.88	1820203.822 63058	372.225	M-1011	***************************************				74334444444545544444444444444454554832222222224545454444444444			A-94-A-94-A-94-A-94-A-94-A-94-A-94-A-94
						0.00.00.00.00.00.00.00.00.00.00.00.00.0								

	Tangent	POB	= 3144+59.57	1820563.494	6306201.890								N 42°30'27.0" E		
	Tangent	TS	3155+25.93	1821349.600	6306922.413	PANA 41200A P.P.P.									
· · · · · · · · · · · · · · · · · · ·	Cosine	TS	2155+25 02	1821240 600	6306922.413	<u> </u>								N 42°30'27.0" E	N 44°13'38.9" E
	Cosine	SPI		<u></u>	6307682.069	· · · · · · · · · · · · · · · · · · ·	1600 1°43'11.8"	799.99	2 27		Annual Control of the			N 42 3027.0 E	N 44 13 30.9 E
	Cosine	SC			6308013.952	)))	1000 1 43 11.0	/99.99	2.21						
	Arc	SC	3171+25.93	1822519.356	6308013.952										
231	Arc	PI	3207+71.14	1825131.428	6310556.517	26650	7245.46 15°34'38.2"			200	3.50	2.50			
	Arc	CC		1803930.752	6327110.713										
	Arc	CS	3243+71.38	1826964.781	6313707.132									200000000000000000000000000000000000000	
033E6033E6033E600A#W	Cosine	CS	3243+71.38	1826964.781	6313707.132					***				N 59°48'17.0" E	N 61°31'28.8" E
	Cosine	SPI	3248+47.19	1827204.090	6314118.384		1600 1°43'11.8"	799.99	2.27						
1220000094	Cosine	ST	3259+71.38	1827740.121	6315106.644										
	Tangent	ST	3259+71.38	1827740.121	6315106.644								N 61°31'28.8" E		
	Tangent	TS	3288+23.11	1829099.770	6317613.380										
						in a second									tech down memorino
	Cosine	TS	3288+23.11	1829099.770	6317613.380									N 61°31'28.8" E	N 61°45'32.6" [
	Cosine	SPI	3294+55.49	1829401.275	6318169.256		900 0°14'03.8"	450	0.17						
	Cosine	SC	3297+23.11	1829527.909	6318405.021	A STATE OF THE STA		***************************************							
O	Arc	SC	3297+23.11	1829527.909	6318405.021			AND CONTRACTOR OF THE PROPERTY		MANUAL	**************************************				
231A	Arc	PI	3301+36.26	1829723.404	6318768.994	110000	826.3 0°25'49.4"	And Andreas Control of the Control o		200	0.00	1.45			
	Arc	CC		1732621.688	6370454.847										
	Arc	CS	3305+49.41	1829916.160	6319134.425										
	Cosine	CS	3305+49.41	1829916.160	6319134.425			WW.						N 62°11'22.1" E	N 62°25'25.9" E
	Cosine	SPI	3308+17.03	1830041.019	6319371.135	MANAGED BENEFIT OF THE STATE OF	900 0°14'03.8"	450	0.17						
	Cosine	ST	3314+49.41	1830333.764	6319931.674						The state of the s	The state of the s		A CANADA	

SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 1** BOOK 1D SHEET 189 OF 193

$\Theta$								
ATE							DESIGNED BY	
⊕							DRAWN BY	
							CHECKED BY	N
$\Theta$							IN CHARGE	
\$USER							DATE	(
\$0\$	REV	DATE	ВҮ	СНК	APP	DESCRIPTION	DATE	

B1 TRACK STATION

2387+88.85

POINT TYPE

ELEMENT

CURVE

COORDINATES

EASTING

NORTHING

RADIUS (FT)

LENGTH (FT)

DELTA,  $\triangle$ 

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION







ACTUAL SUPERELEVATION (EA) (IN)

DESIGN SPEED (MPH)

UNBALANCED SUPERELEVATION (EU) (IN)

BEARING (0°00′00'')

(TANGENT)

WCB (0°00′00")

START ANGLE

END ANGLE

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

MORGAN HILL AND GILROY TRACK GUIDEWAY B1 TRACK ALIGNMENT DATA TABLE CURVE NO. C231 AND C231A

Ī	CONTRACT NO. HSR15-34
	TT-B0131
	scale NONE
	SHEET NO.

				*************	******		*************************************	***************************************		**************************************	
<del>()</del>						Tangent	TS	3796+77.89	1857618.997	6358791.	757
&PENIBLS\$			\$								
\$  ME\$											
\$UA E\$									DESIGNED E	ЗҮ	RECO
<u>\$</u>									DRAWN BY		SUB
									CHECKED B	Υ	MAY
⊕ Ƴ									IN CHARGE		NO
\$USEK\$	REV	DATE	BY	СНК	APP		DESCRI	PTION	DATE		CONST
									-	•	

POINT TYPE

CC

ELEMENT

**Tangent** 

Tangent

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

**Tangent** 

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

CURVE

C232

C233

B1 TRACK

STATION

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

COORDINATES

NORTHING

3314+49.41 1830333.764 6319931.674

3473+59.21 1837698.838 6334034.058

3473+59.21 1837698.838 6334034.058

3482+02.38 1838089.165 6334781.443

3485+59.21 1838255.794 6335096.977

3485+59.21 1838255.794 6335096.977

3494+17.58 1838656.629 6335856.009

3502+75.92 1839067.354 6336609.735

3502+75.92 1839067.354 6336609.735

3506+32.75 1839238.094 6336923.063

3514+75.92 1839644.926 6337661.593

3514+75.92 1839644.926 6337661.593

3599+57.59 1843737.348 6345090.649

3599+57.59 1843737.348 6345090.649

3613+62.98 1844415.449 6346321.620

3619+57.59 1844723.521 6346830.431

3619+57.59 1844723.521 6346830.431

3660+88.57 1846863.100 6350364.152

3701+42.15 1850045.429 6352998.115

3701+42.15 1850045.429 6352998.115

3707+36.96 1850503.643 6353377.372

3721+42.15 1851622.050 6354228.417

3721+42.15 1851622.050 6354228.417

1865624.853 6334175.206

1954360.672 6273783.460

EASTING

LENGTH (FT)

DELTA, △

1200 0°15'42.6"

1716.71 0°44'56.9"

1200 0°15'42.6"

2000 2°20'41.7"

2000 2°20'41.7"

24434 8184.56 19°11'31.7"

600

600

999.98 3.88

999.98 3.88

200

0.26

0.26

RADIUS

(FT)

131300

HNTB





ACTUAL SUPERELEVATION (EA) (IN)

0.00

5.50

DESIGN SPEED (MPH)

UNBALANCED SUPERELEVATION (EU) (IN)

1.22

1.05

BEARING (0°00′00")

(TANGENT)

N 62°25'25.9" E

N 61°09'03.9" E

N 37°16'08.8" E

WCB (0°00′00")

N 62°25'25.9" E N 62°09'43.3" E

END ANGLE

N 61°09'03.9" E

N 58°48'22.2" E

N 37°16'08.8" E

START ANGLE

N 61°24'46.5" E

N 61°09'03.9" E

N 39°36'50.5" E

**SAN JOSE TO MERCED** PACHECO PASS TRACK GUIDEWAY B1 TRACK ALIGNMENT DATA TABLE CURVE NO. C232 AND C233

T	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0132
	scale NONE
	SHEET NO.

		AL BC	N JOSE TO CY TERNATIVE 1 OOK 1D IEET 190 OF 19		LUME III
CALIFOR	RNIA HIGH-SP	PEED TRAIN	I PROJEC	CT CONTRACT	no.   5-34

\$TIME\$								
<del>()</del>								
\$DATE\$							DESIGNED BY	
₩							DRAWN BY	
							CHECKED BY	
<del>⊕</del>							IN CHARGE	
K W K							DATE	
\$	REV	DATE	BY	СНК	APP	DESCRIPTION		
\$USER\$	REV	DATE	ВҮ	СНК	APP	DESCRIPTION	IN CHARGE  DATE	

B1 TRACK STATION

POINT TYPE

ELEMENT

Cosine

CURVE

COORDINATES

EASTING

NORTHING

3796+77.89 1857618.997 6358791.757

RADIUS (FT)

LENGTH (FT)

DELTA, △

RECORD PEPD SUBMITTAL MAY 3, 2020 NOT FOR CONSTRUCTION

HNTB





#### **ALTERNATIVE 1** BOOK 1D SHEET 191 OF 193

CURVE NO. C234 AND C235

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  PACHECO PASS	TT-B0133
TRACK GUIDEWAY B1 TRACK ALIGNMENT DATA TABLE	scale NONE
CURVE NO COZA AND COZE	SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

1	1		1			i	1	k		1			Į.				į
	Cosine	SPI	3816+89.22	1859219.613	6360009.736		2862 3°4	42'56.5"	1430.91	8.79							
***************************************	Cosine	SC	3825+39.89	1859862.298	6360568.114	THE PERSON NAMED OF THE PE			000-000-00-00-00-00-00-00-00-00-00-00-0		1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117 × 1117		<u> </u>	WWW. WOOD OF THE STATE STA	411411	COMPANIA DE CONTRA LE CALIFORNIA DE CONTRA DE	**************************************
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<u></u>	Arc	SC	3825+39.89	1859862.298	6360568.114	· · · · · · · · · · · · · · · · · · ·			400000000000000000000000000000000000000		**************************************	· · · · · · · · · · · · · · · · · · ·		4648			
C234	Arc	PI	3880+48.04	1864020.309	6364180.680	22066	10795.67 28°	01'54.0"	**************************************	The second secon	200	6.00	•	1.25	410114		
	Arc	CC		1845390.124	6377225.380				·····			· · · · · · · · · · · · · · · · · · ·					
	Arc	CS	3933+35.56	1865992.777	6369323.544												
	Cosine	CS	3933+35.56	1865992.777	6369323.544		1		NACON STATE OF THE					Alest 1117 (SANA)		N 69°00'59.2" E	N 72°43'55.6" E
	Cosine	SPI	3941+86.93	1866297.653	6370118.454		2862 3°4	42'56.5"	1430.91	8.79							
Armanagan	Cosine	ST	3961+97.56	1866894.695	6372039.126												
1111aaaaaaa	Topoont		2061±07.56	1966904 605	6372039.126	TECCHOOLOGICAL COLLEGATION COL	POLIZENIA I I I I I I I I I I I I I I I I I I		LEGOCOCO A LILLANINININI LEGOLEZO LEGOLEZO LEGOLEZO LEGOLEZO	A A A A A A A A A A A A A A A A A A A	MILICOLE COLLEGE LECOLE COLLEGE LECO		200100110011001100110011001100110011001	THE	N 72°43'55.6" E	AND THE REAL PROPERTY OF THE P	
	Tangent	ST					**************************************			Vianum Vi					N /2 43 55.0 E	SAME AND ADDRESS OF THE PARTY O	
**************************************	Tangent	TS	4025+52.00	1000/01.141	6378107.789				######################################			AD00333/AA0/AA42333/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444/AA444		**************************************			
	Cosine	TS	4025+52.66	1868781.141	6378107.789											N 72°43'55.6" E	N 73°28'37.1" E
	Cosine	SPI	4034+66.10	1869052.287	6378980.060		1300 0°4	44'41.4"	650	0.8				,			
	Cosine	SC	4038+52.66	1869162.228	6379350.668												
	Arc	SC	4038±52 66	1860162 228	6379350.668							TO STATE OF THE ST		VALUE AND		AND THE RESERVE TH	
C235	<u> </u>	PI			6380015.811	50000	1387.5 1°3	35'23.8"	···.		250	3.50		1.50			
<b>UZ33</b>	Arc Arc	CC	4043+40.40	<u> </u>	6393570.706		1307.3 1 3	3323.0	······································		230	3.30		1.30			
***************************************	Arc	CS	1052±10 16		6380686.173	**************************************	111111111111111111111111111111111111111	The state of the s				ADMINISTRAÇÃO CONTRAÇÃO DE CONTRARADO DE CONTRAÇÃO DE CONTRAÇÃO DE CONTRARADA DE CONTR	VALUADA NA	VARIANTA MATANA MAT			
	<b>AIC</b>		4002140.10	1009330.327	0300000.173				***************************************					alalalalalalalala			
	Cosine	CS	4052+40.16	1869538.327	6380686.173				**************************************							N 75°04'00.9" E	N 75°48'42.4" E
	Cosine	SPI	4056+26.73	1869637.943	6381059.689	22223	1300 0°4	44'41.4"	650	0.8							
NICOVO MINOS	Cosine	ST	4065+40.16	1869861.835	6381945.267				WAYANII DA			2000				417044/6631201411	
- Jones	Tangent	ST	4065+40 16	1860861 835	6 6381945.267										N 75°48'42.4" E		
	Tangent	TS	<u> </u>	<u></u>	6385175.015			5							1470 1072.7 L		

DESIGN SPEED (MPH)

ACTUAL SUPERELEVATION (EA) (IN)

UNBALANCED SUPERELEVATION (EU) (IN)

BEARING (0°00′00'')

(TANGENT)

WCB (0°00′00")

N 37°16'08.8" E N 40°59'05.2" E

END ANGLE

START ANGLE

,,								
₽ □ -							DESIGNED BY	
400							DRAWN BY	
							CHECKED BY	ľ
<del>D</del>							- IN CHARGE	
	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	

POINT TYPE

PI

CC

POE

ELEMENT

Cosine

Cosine

Cosine

Arc

Arc

Arc

Arc

Cosine

Cosine

Cosine

Tangent

Tangent

CURVE

C236

B1 TRACK

STATION

4432+80.06=

4410+00.00

RECORD PEPD
SUBMITTAL

MAY 3, 2020

NOT FOR
CONSTRUCTION

COORDINATES

1832089.239 6395807.876

1866571.556 6417594.664

NORTHING

4098+71.53 | 1870678.382 | 6385175.015

4110+66.04 | 1870971.167 | 6386333.093

4115+71.53 | 1871084.639 | 6386825.722

4115+71.53 1871084.639 6386825.722

4345+41.01 | 1869712.333 | 6409439.572

4345+41.01 1869712.333 6409439.572

4350+46.54 | 1869540.123 | 6409914.865

4362+41.01 | 1869109.447 | 6411029.040

4362+41.01 1869109.447 6411029.040

EASTING

4233+82.35 | 1873735.710 | 6398335.164 | 40016.5 | 22969.48 | 32°53'16.1"

LENGTH (FT)

DELTA, △

1700 1°13'01.3"

1700 1°13'01.3"

RADIUS

(FT)

HNTB





ACTUAL SUPERELEVATION

(EA) (IN)

4.00

DESIGN SPEED (MPH)

250

849.99 | 1.71

849.99 1.71

UNBALANCED SUPERELEVATION (EU) (IN)

2.25

BEARING (0°00′00'')

(TANGENT)

S 68°51'58.9" E

WCB (0°00′00")

N 75°48'42.4" E N 77°01'43.7" E

END ANGLE

S 68°51'58.9" E

START ANGLE

S 70°05'00.3" E

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1D
SHEET 192 OF 193

## CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED

PACHECO PASS
TRACK GUIDEWAY
B1 TRACK ALIGNMENT DATA TABLE
CURVE NO. C236

CONTRACT NO. HSR15-34
TT-B0134
scale NONE
SHEET NO.

₩								
ATE							DESIGNED BY	
\$□							DRAWN BY	
							CHECKED BY	─ <b> </b> N
\$							IN CHARGE	
\$USER\$	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	
<del>⊕</del>	I\L V	DATE		CHK	All	DESCRIPTION		

HNTB





**ALTERNATIVE 1** BOOK 1D SHEET 193 OF 193

**SAN JOSE TO MERCED** MONTEREY CORRIDOR VIADUCT ALIGNMENT DATA TABLE

CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED  MONTEREY CORRIDOR	DRAWING NO.  CV-B0101
VIADUCT	scale AS SHOWN

SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III

$\Theta$				
)ATE			DESIGNED BY	RECORD PEPD
\$			DRAWN BY	SUBMITTAL
			CHECKED BY	MAY 3, 2020
<del>\$</del>			IN CHARGE	NOT FOR
SER			DATE	CONSTRUCTION

CURVE DATA "MT1"

1°28′49.82′

0°46′50.72′

2°59′05.04′

2°14′07.07′

9°28′51**.**14′

4°33′14.77′

0°08′58.21

0°28′18.34′

3°32′12.08′

0°23′52.99′

1°00′04.13′

1°27′55.75′

12°35′38.91

1°25′02.58′

0°06′56.66′

0°50′40.18′′

0°06′56.70′

0°05′45.41′

1°36′47.75′

0°05′48.95′

0°04′31.28′

0°38′06.33′

0°03′50.50′

0°02′12.03′

0°16′46.41

0°02′12.04"

0°25′12.98''

70.043

193.591

68.025

104.187

58.52

1808.247

1203.473

747.796

225.269

987.121

222.028

844.946

308.805

1320.669

309.025

125.331

457.038

125.331

152.326

1267.288

152.318

171.036

720.582

173.317

217.622

829.425

217.622

73.351

35.028

96.801

34.013

52.105

29.264

906.192

602.053

373.898

112.635

493.717

111.014

422.484

154.411

663.006

154.52

62.665

228.523

62.665

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633.686

76.159

85.518

360.294

86.658

108.811

414.713

108.811

36.676

NO.

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