

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

Construction Staging; Alignment Data Tables

Alternative 2 - Embankment to Downtown Gilroy
Final EIR/S: Volume III

Preliminary Engineering for Project Definition
2021 Record Set – November 2021



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 169 TO 285 OF 285**

ALTERNATIVE 2 - EMBANKMENT TO DOWNTOWN GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK 2E	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 2	EMBANKMENT TO DOWNTOWN GILROY
BOOK 2E	B	GE-A0206	ENTIRE ALTERNATIVE	CONSTRUCTION STAGING	INDEX OF DRAWING	SHEET 6 OF 8	
BOOK 2E	C	GE-A0207	ENTIRE ALTERNATIVE	CONSTRUCTION STAGING	INDEX OF DRAWING	SHEET 7 OF 8	
BOOK 2E	D	GE-A0208	ENTIRE ALTERNATIVE	ALIGNMENT DATA TABLES	INDEX OF DRAWING	SHEET 8 OF 8	
BOOK 2E	E	GE-D0201	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 2E	F	GE-D0202	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	

CONSTRUCTION STAGING

BOOK 2E	169	CV-I0501	MONTEREY CORRIDOR	CAPITOL EXPY	AT-GRADE	CONSTRUCTION STAGING-PHASE 1	MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD
BOOK 2E	170	CV-I0502	MONTEREY CORRIDOR	CAPITOL EXPY	AT-GRADE	CONSTRUCTION STAGING-PHASE 2	MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD
BOOK 2E	171	CV-I0503	MONTEREY CORRIDOR	CAPITOL EXPY	AT-GRADE	CONSTRUCTION STAGING-PHASE 3	MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD
BOOK 2E	172	CV-I0504	MONTEREY CORRIDOR	SKYWAY DR	AT-GRADE	CONSTRUCTION STAGING-PHASE 1	SKYWAY DRIVE UNDERCROSSING
BOOK 2E	173	CV-I0505	MONTEREY CORRIDOR	SKYWAY DR	AT-GRADE	CONSTRUCTION STAGING-PHASE 2 & 3	SKYWAY DRIVE UNDERCROSSING
BOOK 2E	174	CV-I0506	MONTEREY CORRIDOR	BRANHAM LN	AT-GRADE	CONSTRUCTION STAGING-PHASE 1	BRANHAM LANE UNDERCROSSING
BOOK 2E	175	CV-I0507	MONTEREY CORRIDOR	BRANHAM LN	AT-GRADE	CONSTRUCTION STAGING-PHASE 2 & 3	BRANHAM LANE UNDERCROSSING
BOOK 2E	176	CV-I0508	MONTEREY CORRIDOR	CHYNOWETH AVE	AT-GRADE	CONSTRUCTION STAGING-PHASE 1	CHYNOWETH AVENUE UNDERCROSSING
BOOK 2E	177	CV-I0509	MONTEREY CORRIDOR	CHYNOWETH AVE	AT-GRADE	CONSTRUCTION STAGING-PHASE 2 & 3	CHYNOWETH AVENUE UNDERCROSSING
BOOK 2E	178	CV-I0801	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	DOWNTOWN MORGAN HILL
BOOK 2E	179	CV-I0802	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	DOWNTOWN MORGAN HILL
BOOK 2E	180	CV-I0803	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	DOWNTOWN MORGAN HILL
BOOK 2E	181	CV-I0804	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	DOWNTOWN MORGAN HILL
BOOK 2E	182	CV-I0805	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1	DOWNTOWN MORGAN HILL
BOOK 2E	183	CV-I0806	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 2	DOWNTOWN MORGAN HILL
BOOK 2E	184	CV-I0807	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 3	DOWNTOWN MORGAN HILL
BOOK 2E	185	CV-I0808	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 1	DOWNTOWN MORGAN HILL
BOOK 2E	186	CV-I0809	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 2	DOWNTOWN MORGAN HILL
BOOK 2E	187	CV-I0810	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 3	DOWNTOWN MORGAN HILL
BOOK 2E	188	CV-I0811	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 1	DOWNTOWN MORGAN HILL
BOOK 2E	189	CV-I0812	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 2	DOWNTOWN MORGAN HILL
BOOK 2E	190	CV-I0813	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 3	DOWNTOWN MORGAN HILL
BOOK 2E	191	CV-I0814	MORGAN HILL AND GILROY	MAIN AVE, BUTTERFIELD BLVD	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 6	DOWNTOWN MORGAN HILL
BOOK 2E	192	CV-I0815	MORGAN HILL AND GILROY	MIDDLE AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	MIDDLE AVENUE GRADE SEPARATION
BOOK 2E	193	CV-I0816	MORGAN HILL AND GILROY	MIDDLE AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	MIDDLE AVENUE GRADE SEPARATION
BOOK 2E	194	CV-I0817	MORGAN HILL AND GILROY	MIDDLE AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	MIDDLE AVENUE GRADE SEPARATION
BOOK 2E	195	CV-I0818	MORGAN HILL AND GILROY	MIDDLE AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	MIDDLE AVENUE GRADE SEPARATION
BOOK 2E	196	CV-I0819	MORGAN HILL AND GILROY	SAN MARTIN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	SAN MARTIN AVENUE GRADE SEPARATION
BOOK 2E	197	CV-I0820	MORGAN HILL AND GILROY	SAN MARTIN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	SAN MARTIN AVENUE GRADE SEPARATION
BOOK 2E	198	CV-I0821	MORGAN HILL AND GILROY	SAN MARTIN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	SAN MARTIN AVENUE GRADE SEPARATION
BOOK 2E	199	CV-I0822	MORGAN HILL AND GILROY	SAN MARTIN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	SAN MARTIN AVENUE GRADE SEPARATION
BOOK 2E	200	CV-I1012	MORGAN HILL AND GILROY	CHURCH AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	CHURCH AVENUE GRADE SEPARATION
BOOK 2E	201	CV-I1013	MORGAN HILL AND GILROY	CHURCH AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	CHURCH AVENUE GRADE SEPARATION
BOOK 2E	202	CV-I1014	MORGAN HILL AND GILROY	CHURCH AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	CHURCH AVENUE GRADE SEPARATION
BOOK 2E	203	CV-I1015	MORGAN HILL AND GILROY	CHURCH AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	CHURCH AVENUE GRADE SEPARATION

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET B**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 2
INDEX OF DRAWING
SHEET 6 OF 8

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0206
SCALE	NONE
SHEET NO.	

ALTERNATIVE 2 - EMBANKMENT TO DOWNTOWN GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
BOOK 2E	204	CV-11016	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	205	CV-11017	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	206	CV-11018	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	207	CV-11019	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	208	CV-11020	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	209	CV-11021	MORGAN HILL AND GILROY	MASTEN AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 2	MASTEN AVENUE GRADE SEPARATION
BOOK 2E	210	CV-11022	MORGAN HILL AND GILROY	RUCKER AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	RUCKER AVENUE GRADE SEPARATION
BOOK 2E	211	CV-11023	MORGAN HILL AND GILROY	RUCKER AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	RUCKER AVENUE GRADE SEPARATION
BOOK 2E	212	CV-11024	MORGAN HILL AND GILROY	RUCKER AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	RUCKER AVENUE GRADE SEPARATION
BOOK 2E	213	CV-11025	MORGAN HILL AND GILROY	RUCKER AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	RUCKER AVENUE GRADE SEPARATION
BOOK 2E	214	CV-11026	MORGAN HILL AND GILROY	RUCKER AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3	RUCKER AVENUE GRADE SEPARATION
BOOK 2E	215	CV-11027	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	216	CV-11028	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	217	CV-11029	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	218	CV-11030	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	219	CV-11031	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	220	CV-11032	MORGAN HILL AND GILROY	BUENA VISTA AVE	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 2	BUENA VISTA AVENUE GRADE SEPARATION
BOOK 2E	221	CV-11038	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1	DOWNTOWN GILROY
BOOK 2E	222	CV-11039	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2	DOWNTOWN GILROY
BOOK 2E	223	CV-11040	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 3	DOWNTOWN GILROY
BOOK 2E	224	CV-11041	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 4	DOWNTOWN GILROY
BOOK 2E	225	CV-11042	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1	DOWNTOWN GILROY
BOOK 2E	226	CV-11043	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2	DOWNTOWN GILROY
BOOK 2E	227	CV-11044	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1	DOWNTOWN GILROY
BOOK 2E	228	CV-11045	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 2	DOWNTOWN GILROY
BOOK 2E	229	CV-11046	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 3	DOWNTOWN GILROY
BOOK 2E	230	CV-11047	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 4	DOWNTOWN GILROY
BOOK 2E	231	CV-11048	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 1	DOWNTOWN GILROY
BOOK 2E	232	CV-11049	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 2	DOWNTOWN GILROY
BOOK 2E	233	CV-11050	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 3	DOWNTOWN GILROY
BOOK 2E	234	CV-11051	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 4	DOWNTOWN GILROY
BOOK 2E	235	CV-11052	MORGAN HILL AND GILROY	LEAVESLEY RD, US 101	EMBANKMENT TO DOWNTOWN GILROY	CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 1	DOWNTOWN GILROY
BOOK 2E	236	CV-11601	SAN JOAQUIN VALLEY	N/A	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	GENERAL NOTES
BOOK 2E	237	CV-11602	SAN JOAQUIN VALLEY	INGOMAR GRADE RD AT HENRY MILLER RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	HENRY MILLER ROAD GRADE SEPARATION
BOOK 2E	238	CV-11603	SAN JOAQUIN VALLEY	HENRY MILLER RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	HENRY MILLER ROAD GRADE SEPARATION
BOOK 2E	239	CV-11604	SAN JOAQUIN VALLEY	HENRY MILLER RD AT MERCY SPRINGS RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	SR-165 / MERCY SPRINGS ROAD GRADE SEPARATION
BOOK 2E	240	CV-11605	SAN JOAQUIN VALLEY	HENRY MILLER RD AT DELTA RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	DELTA ROAD GRADE SEPARATION
BOOK 2E	241	CV-11606	SAN JOAQUIN VALLEY	HENRY MILLER RD AT TURNER ISLAND RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	TURNER ISLAND ROAD GRADE SEPARATION
BOOK 2E	242	CV-11607	SAN JOAQUIN VALLEY	HENRY MILLER RD AT CARLUCCI RD	HENRY MILLER ROAD	CONSTRUCTION STAGING PLAN	CARLUCCI ROAD GRADE SEPARATION

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET C**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 2
INDEX OF DRAWING
SHEET 7 OF 8

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0207
SCALE	NONE
SHEET NO.	

ALTERNATIVE 2 - EMBANKMENT TO DOWNTOWN GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE							
BOOK 2E	243	TT-B0201-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C189 AND C190
BOOK 2E	244	TT-B0202-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C191 AND C192
BOOK 2E	245	TT-B0203-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193 AND C194
BOOK 2E	246	TT-B0204-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C195 AND C196
BOOK 2E	247	TT-B0205-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C197
BOOK 2E	248	TT-B0201	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C301 AND C302
BOOK 2E	249	TT-B0202	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C303 AND C304
BOOK 2E	250	TT-B0203	GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C305 AND C306
BOOK 2E	251	TT-B0204	GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C307 AND C308
BOOK 2E	252	TT-B0205	GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C309 AND C310
BOOK 2E	253	TT-B0206	GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C311 AND C312
BOOK 2E	254	TT-B0207	GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C313 AND C314
BOOK 2E	255	TT-B0208	DOWNTOWN GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C315 AND C316
BOOK 2E	256	TT-B0209	DOWNTOWN GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C317 AND C318
BOOK 2E	257	TT-B0210	DOWNTOWN GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C319 AND C320
BOOK 2E	258	TT-B0211	DOWNTOWN GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C321
BOOK 2E	259	TT-B0120	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C127 AND C128
BOOK 2E	260	TT-B0120A	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C127 AND C128A - TUNNEL DESIGN VARIANT
BOOK 2E	261	TT-B0121	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129
BOOK 2E	262	TT-B0121A	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129A - TUNNEL DESIGN VARIANT
BOOK 2E	263	TT-B0122	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C130
BOOK 2E	264	TT-B0122A	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C130A - TUNNEL DESIGN VARIANT
BOOK 2E	265	TT-B0123	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C131
BOOK 2E	266	TT-B0123A	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C131A - TUNNEL DESIGN VARIANT
BOOK 2E	267	TT-B0124	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132 AND C133
BOOK 2E	268	TT-B0124A	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132A AND C133A - TUNNEL DESIGN VARIANT
BOOK 2E	269	TT-B0125	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C134 AND C135
BOOK 2E	270	TT-B0125A	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C134A AND C135 - TUNNEL DESIGN VARIANT
BOOK 2E	271	TT-B0126	PACHECO PASS	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C136
BOOK 2E	272	TT-B0127	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C137
BOOK 2E	273	TT-B0128	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C138 AND C139
BOOK 2E	274	TT-B0129	SAN JOAQUIN VALLEY	N/A	TRACK GUIDEWAY	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C140
BOOK 2E	275	TT-B0130	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C230
BOOK 2E	276	TT-B0130A	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C230A - TUNNEL DESIGN VARIANT
BOOK 2E	277	TT-B0131	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C231 AND C231A
BOOK 2E	278	TT-B0131A	MORGAN HILL AND GILROY	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C231B AND C231C - TUNNEL DESIGN VARIANT
BOOK 2E	279	TT-B0132	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C232 AND C233
BOOK 2E	280	TT-B0132A	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C232A AND C233A - TUNNEL DESIGN VARIANT
BOOK 2E	281	TT-B0133	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C234 AND C235
BOOK 2E	282	TT-B0133A	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C234A AND C235 - TUNNEL DESIGN VARIANT
BOOK 2E	283	TT-B0134	PACHECO PASS	N/A	TRACK GUIDEWAY	B1 TRACK ALIGNMENT DATA TABLE	CURVE NO. C236

ROADWAY HORIZONTAL ALIGNMENT DATA TABLE							
BOOK 2E	284	CV-B0101	MONTEREY CORRIDOR	N/A	VIADUCT	ALIGNMENT DATA TABLE	
BOOK 2E	285	CV-T0201	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	ALIGNMENT DATA TABLE	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET D**

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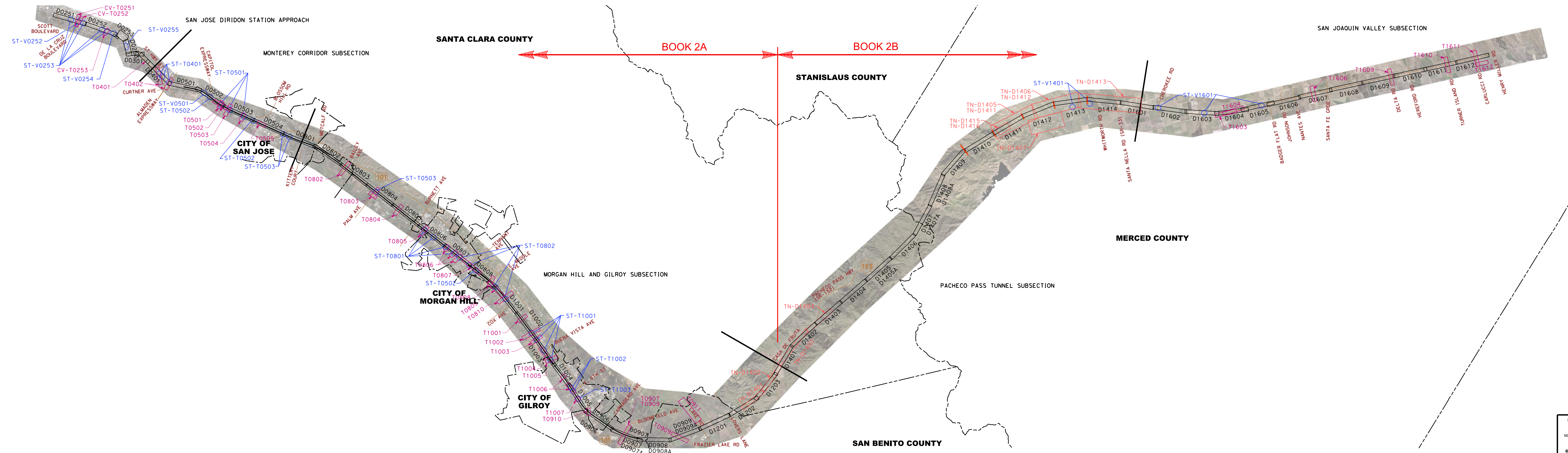


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 2
INDEX OF DRAWING
SHEET 8 OF 8

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0208
SCALE	NONE
SHEET NO.	

ALTERNATIVE 2 BOOK INDEX

- BOOK 2A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
- BOOK 2B: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS, STATIONS, STRUCTURES
- BOOK 2C: ROADWAY
- BOOK 2D: ROADWAY, MAINTENANCE OF WAY, TUNNELS - PACHECO PASS
- BOOK 2E: CONSTRUCTION STAGING, ALIGNMENT DATA TABLES

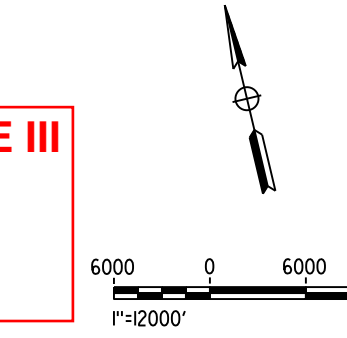


NOTE:
ALTERNATIVE KEY MAP SHOWN SIDE BY SIDE FOR CLARITY.

LEGEND
KEY MAP LEGEND

	AERIAL ORTHO-PHOTO
	COMPOSITE ROLL PLOTS
	GRADE SEPARATION ROLL PLOTS
	TUNNEL ROLL PLOTS
	STRUCTURES ROLL PLOTS
	SECTION BREAK
	CITY LIMITS
	COUNTY LINE
	EXISTING ROAD

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET E



2021 RECORD SET P&P NOVEMBER 30, 2021 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED ALTERNATIVE 2 KEY MAP COMPOSITE PLAN	CONTRACT NO. HSR15-34 GRAPHIC NO. GE-D0201 SCALE AS SHOWN SHEET NO.
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PHASE 1 - STAGE 1 CONSTRUCTION STEPS

1. CLOSE ONE LANE EACH DIRECTION ON CAPITOL EXPRESSWAY. DIVERT CAPITOL EXPRESSWAY ROADWAY TRAFFIC TO TWO LANES IN EACH DIRECTION ON EXISTING NORTHBOUND BRIDGE.
2. PLACE ROADWAY PROTECTION PANELS ON MONTEREY ROAD AND REMOVE EXISTING SOUTHBOUND SPAN 4 OVER MONTEREY ROAD DURING TRAFFIC FREE WEEKEND AND REMOVE EXISTING SOUTHBOUND SPAN 5.
3. REMOVE BENT CAP AND COLUMNS OF EXISTING SOUTHBOUND BENT 5.
4. PLACE TEMPORARY SHORING BETWEEN EXISTING SOUTHBOUND AND EXISTING NORTHBOUND ABUT 6. PLACE TEMPORARY SHORING BEHIND EXISTING SOUTHBOUND ABUT 6.
5. REMOVE EXISTING SOUTHBOUND ABUT 6 AND REMOVE FILL IN FRONT OF TEMPORARY SHORING.
6. CONSTRUCT NEW SOUTHBOUND WALL ABUT 5 AND NEW SOUTHBOUND RETAINING WALL.
7. DIVERT MONTEREY ROAD TRAFFIC TO TWO LANES EACH WAY AND CONSTRUCT NEW COLUMN, FOOTING AND REINFORCED CAP CANTILEVERS AT EXISTING SOUTHBOUND BENT 4.

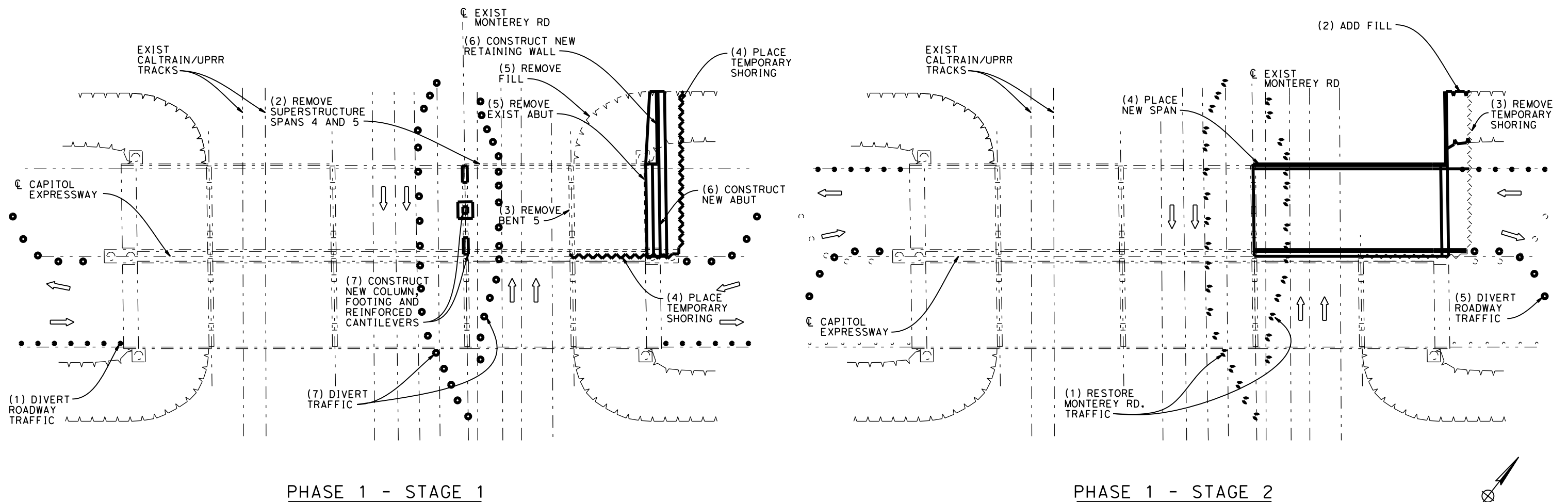
PHASE 1 - STAGE 2 CONSTRUCTION STEPS

1. RESTORE NORMAL TRAFFIC FLOW ON MONTEREY ROAD.
2. ADD FILL IN FRONT OF TEMPORARY SHORING BEHIND NEW SOUTHBOUND ABUT 5.
3. REMOVE TEMPORARY SHORING BEHIND NEW SOUTHBOUND ABUT 5.
4. PLACE NEW SPAN BETWEEN EXISTING SOUTHBOUND BENT 4 AND NEW SOUTHBOUND ABUT 5.
5. DIVERT CAPITOL EXPRESSWAY ROADWAY TRAFFIC TO TWO LANES IN EACH DIRECTION ON NEW SOUTHBOUND BRIDGE.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 169 OF 285**

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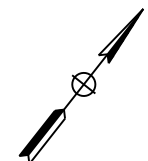
- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL
- ⇒ INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES



PHASE 1 - STAGE 1

PHASE 1 - STAGE 2

SCHEMATIC PLAN
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 1
MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD

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PHASE 2 - STAGE 1 CONSTRUCTION STEPS

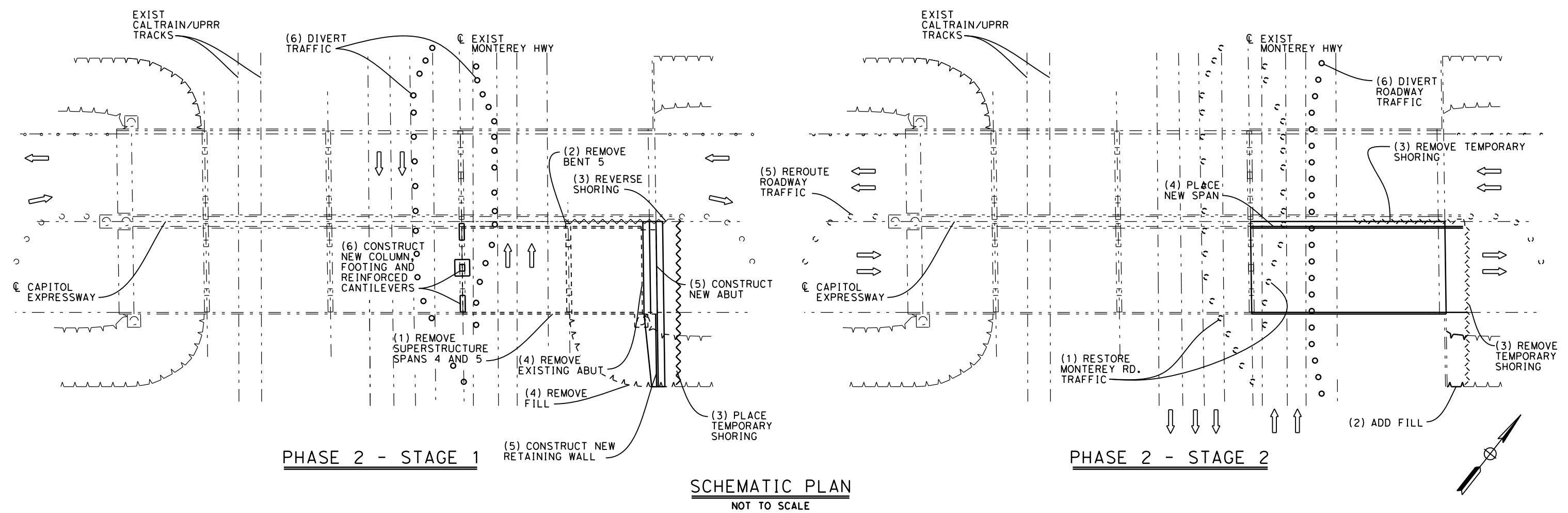
1. PLACE ROADWAY PROTECTION PANELS ON MONTEREY ROAD AND REMOVE EXISTING NORTHBOUND SPAN 4 OVER MONTEREY ROAD DURING TRAFFIC FREE WEEKEND AND REMOVE EXISTING NORTHBOUND SPAN 5.
2. REMOVE BENT CAP AND COLUMNS OF EXISTING NORTHBOUND BENT 5.
3. PLACE TEMPORARY SHORING BEHIND EXISTING NORTHBOUND ABUT 6. REVERSE SHORING BETWEEN NEW SOUTHBOUND AND EXISTING NORTHBOUND ABUT.
4. REMOVE EXISTING NORTHBOUND ABUT 6 AND REMOVE FILL IN FRONT OF TEMPORARY SHORING.
5. CONSTRUCT NEW NORTHBOUND WALL ABUT 5 AND NEW NORTHBOUND RETAINING WALL.
6. DIVERT MONTEREY ROAD TRAFFIC TO ONE LANE EACH WAY AND CONSTRUCT NEW COLUMN, FOOTING AND REINFORCED CAP CANTILEVERS AT EXISTING NORTHBOUND BENT 4.

PHASE 2 - STAGE 2 CONSTRUCTIONS STEPS

1. RESTORE NORMAL TRAFFIC FLOW ON MONTEREY ROAD.
2. ADD FILL IN FRONT OF TEMPORARY SHORING BEHIND NEW NORTHBOUND ABUT 5.
3. REMOVE TEMPORARY SHORING BEHIND NEW NORTHBOUND ABUT 5. REMOVE TEMPORARY SHORING BETWEEN NEW NORTHBOUND AND NEW SOUTHBOUND ABUT 5.
4. PLACE NEW SPAN BETWEEN EXISTING NORTHBOUND BENT 4 AND NEW NORTHBOUND ABUT 5.
5. REROUTE TRAFFIC TO NORMAL OPERATION ACROSS NEW BRIDGES.
6. CLOSE THE OUTER LANE OF NORTHBOUND MONTEREY HWY AND DIVERT NORTHBOUND MONTEREY HWY TRAFFIC TO 2 WESTERLY LANES.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 170 OF 285**

LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 - - - - - REMOVAL
 ⇨ INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MONTEREY CORRIDOR
 AT-GRADE
 CONSTRUCTION STAGING-PHASE 2
 MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD

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PHASE 3 - STAGE 1 CONSTRUCTION STEPS

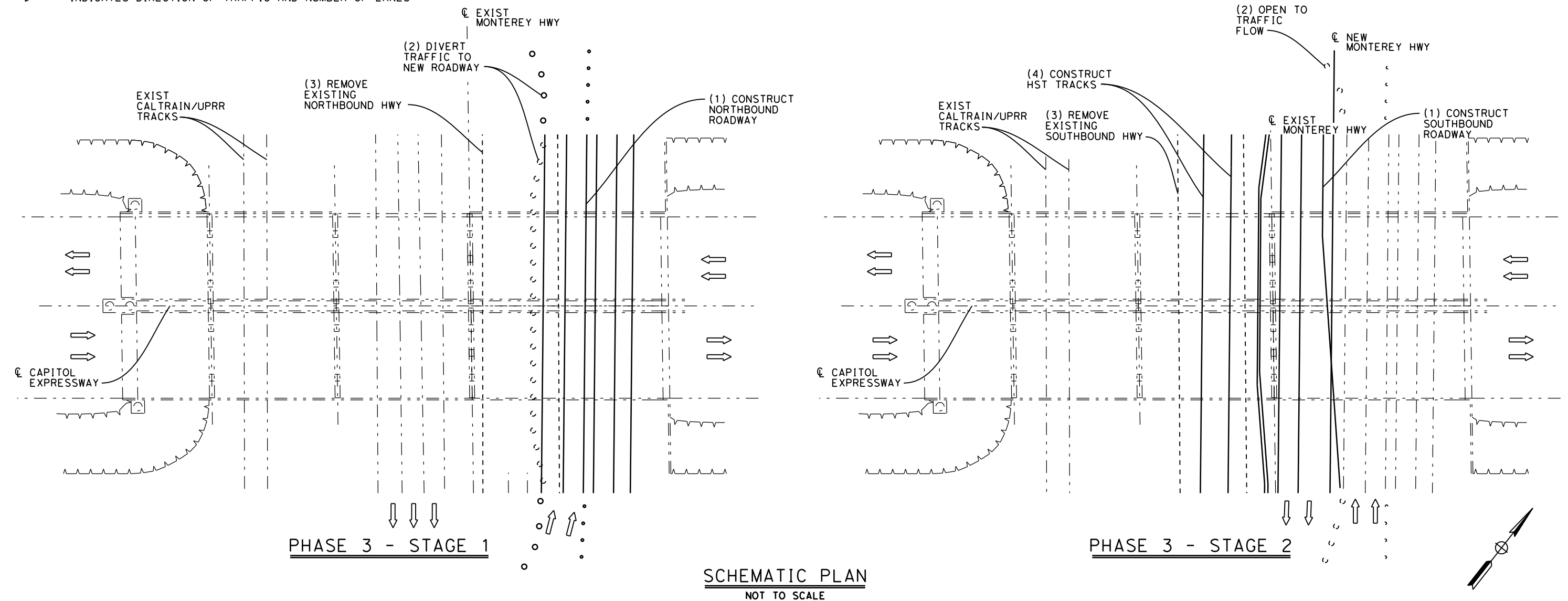
1. CONSTRUCT ROADWAY FOR NEW NORTHBOUND MONTEREY HWY.
2. DIVERT TRAFFIC FROM EXISTING NORTHBOUND MONTEREY HWY TO NEW NORTHBOUND MONTEREY HWY.
3. REMOVE EXISTING NORTHBOUND MONTEREY HWY.

PHASE 3 - STAGE 2 CONSTRUCTION STEPS

1. CONSTRUCT MEDIAN AND ROADWAY FOR NEW SOUTHBOUND MONTEREY HWY.
2. CLOSE ONE LANE OF SOUTHBOUND MONTEREY HWY AND DIVERT SOUTHBOUND TRAFFIC FROM EXISTING NORTHBOUND MONTEREY HWY TO NEW SOUTHBOUND MONTEREY HWY. OPEN NEW MONTEREY HWY TO TRAFFIC FLOW.
3. REMOVE EXISTING SOUTHBOUND MONTEREY HWY.
4. CONSTRUCT HST TRACKS, INCLUDING OCS AND SIGNALS.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL
- ⇒ INDICATES DIRECTION OF TRAFFIC AND NUMBER OF LANES



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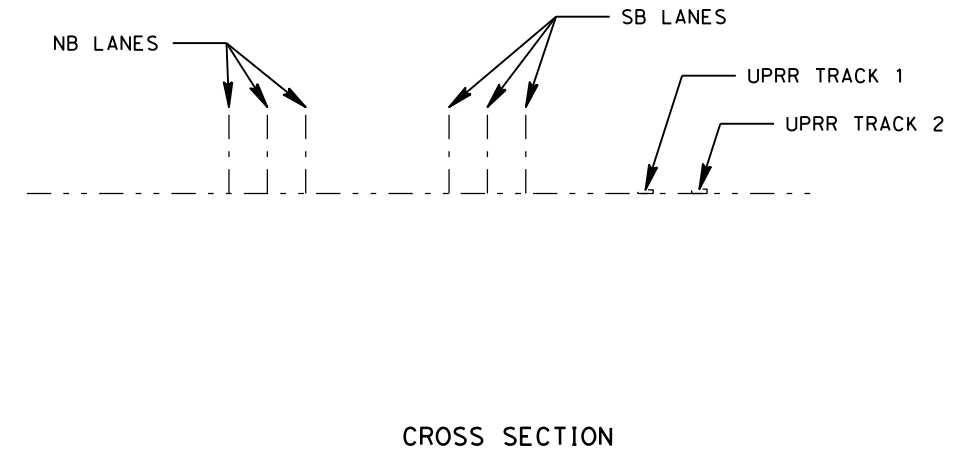
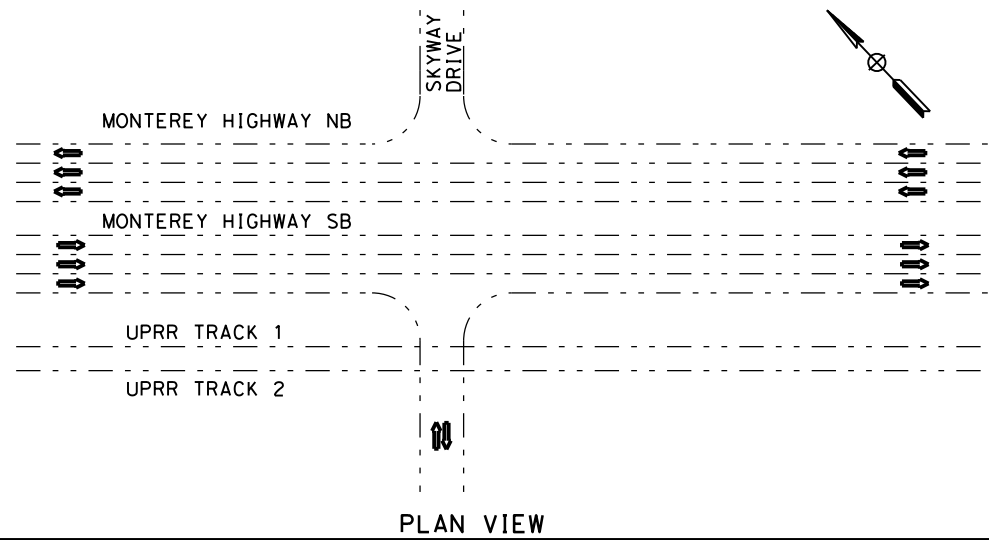
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 3
MODIFY EXISTING CAPITOL EXPRESSWAY OVERHEAD

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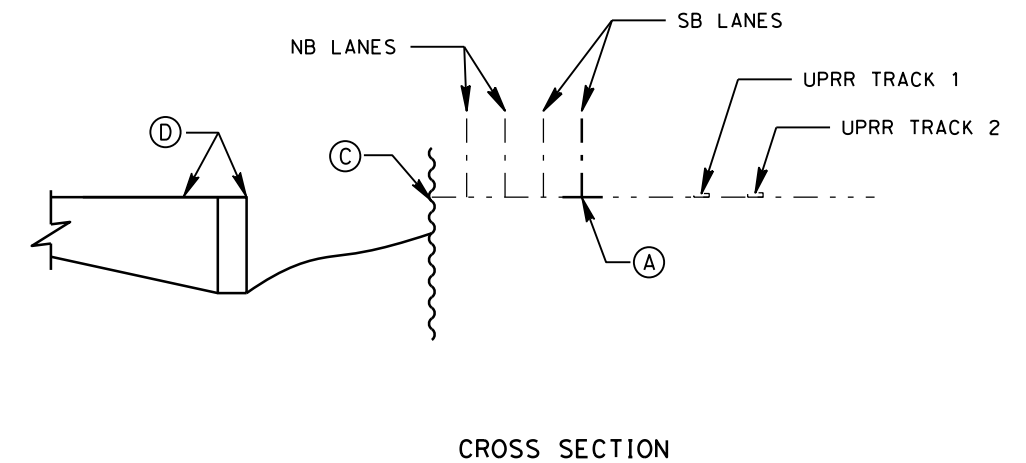
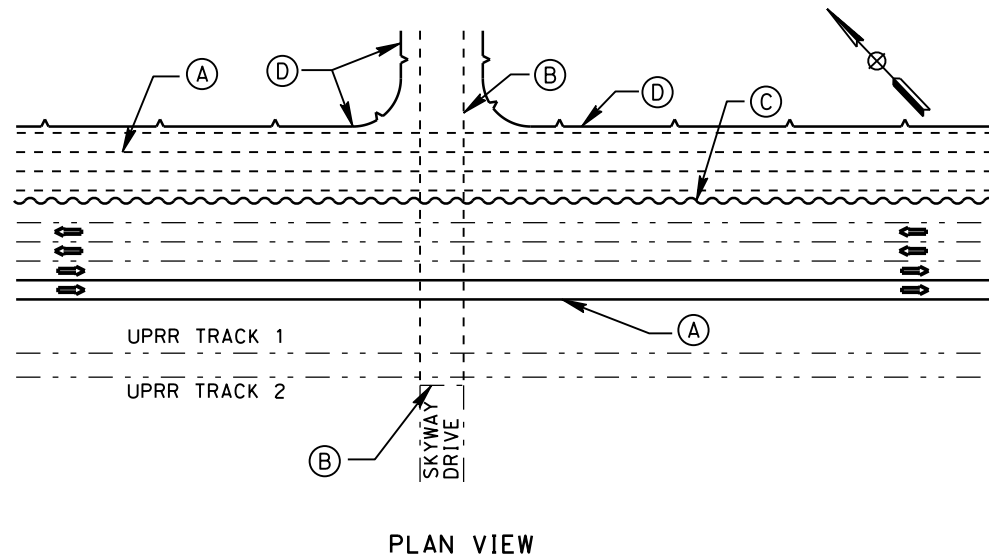
LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL
- ➔ INDICATES DIRECTION OF TRAFFIC



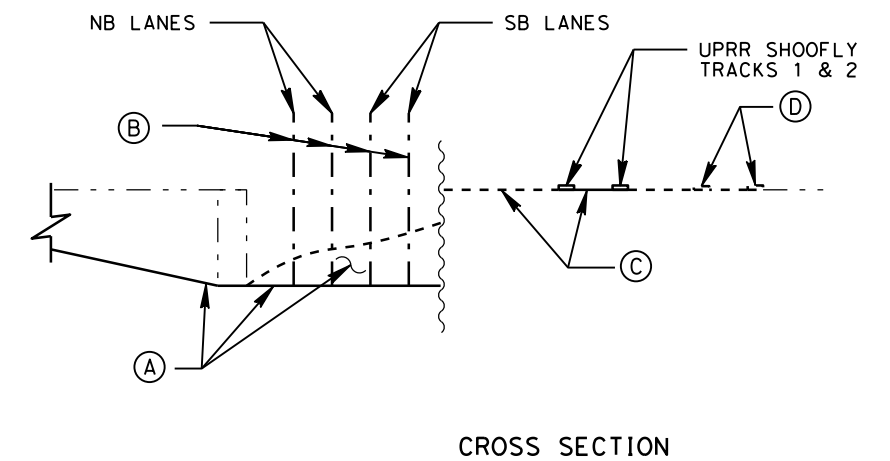
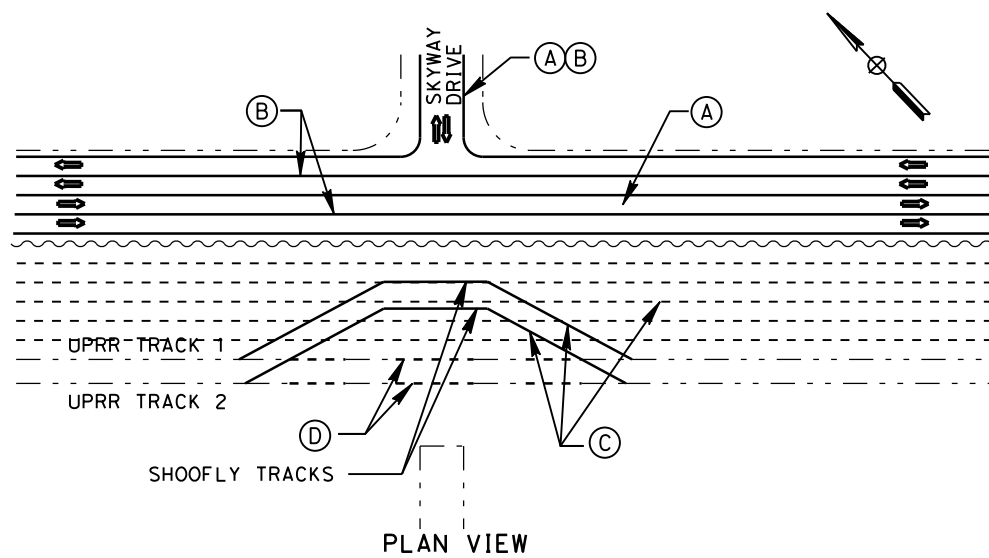
PHASE 1 - STAGE 1

- (A) CONSTRUCT TEMP. SB LANE ADJACENT TO EXIST. MONTEREY HWY. SB LANES. DIVERT SB MONTEREY TRAFFIC TO 2 WESTERLY LANES AND DIVERT NB MONTEREY TRAFFIC TO 2, ORIGINAL EASTERLY SB LANES, CLOSE ORIGINAL NB LANES AND REMOVE ROADWAY.
- (B) CLOSE SKYWAY DRIVE, REMOVE ROADWAY AND DETOUR TRAFFIC TO BRANHAM LANE AND SENTER ROAD.
- (C) PLACE TEMPORARY SHORING WITHIN THE ABANDONED INSIDE NORTHBOUND LANE AND WITHIN THE EXTENTS OF THE PROPOSED DEPRESSED MONTEREY HIGHWAY AT SKYWAY DRIVE.
- (D) CONSTRUCT RETAINING WALLS FOR THE DEPRESSED EASTERLY HALF OF THE MONTEREY HIGHWAY AND DEPRESSED SKYWAY DRIVE EAST OF THE MONTEREY HIGHWAY.



PHASE 1 - STAGE 2

- (A) EXCAVATE AND CONSTRUCT NEW DEPRESSED EASTERLY HALF OF MONTEREY HWY. AND EAST SEGMENT OF SKYWAY DRIVE.
- (B) DIVERT MONTEREY HWY. NB & SB TRAFFIC TO 2 LANES EACH WAY ON NEW DEPRESSED ROADWAY AND OPEN EAST SIDE SKYWAY DRIVE TO TRAFFIC.
- (C) REMOVE REMAINING ORIGINAL MONTEREY HWY. ROADWAY AND CONSTRUCT UPRR SHOOFLY TRACKS. OPEN SHOOFLY TO SERVICE.
- (D) REMOVE SEGMENTS OF ORIGINAL UPRR MAIN LINE TRACKS AT BRIDGE SITE.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 172 OF 285**

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SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 1
SKYWAY DRIVE UNDERCROSSING

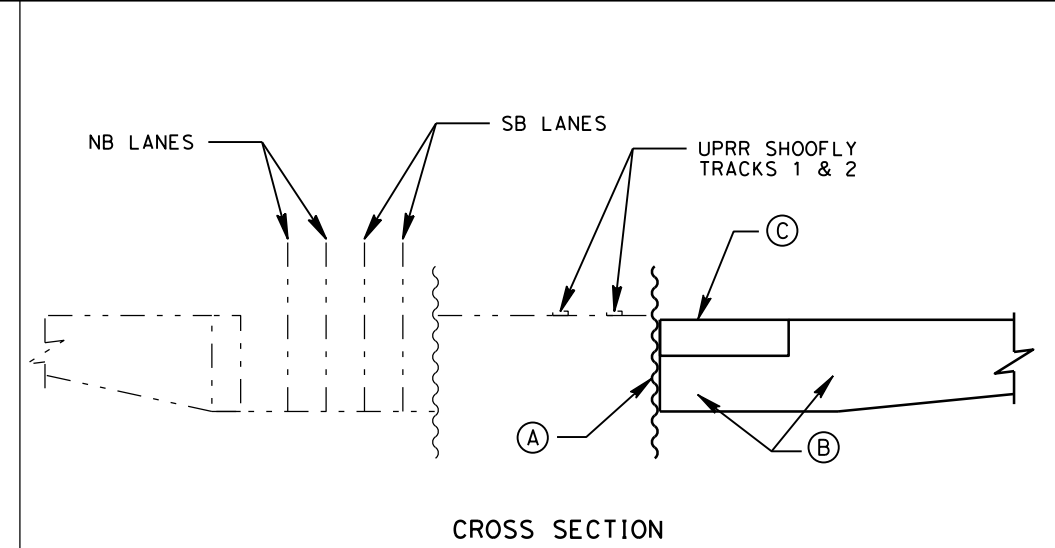
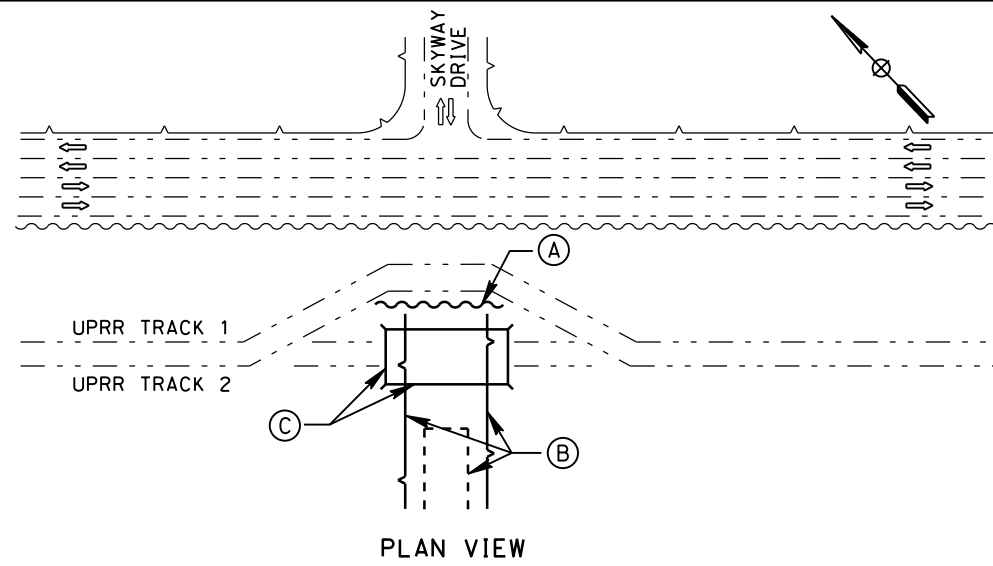
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PHASE 2 - STAGE 1

- (A) PLACE TEMP. SHORING ON WEST SIDE OF UPRR SHOOFLY TRACKS AT SKYWAY DRIVE.
- (B) REMOVE EXISTING SKYWAY DRIVE ROADWAY WEST OF UPRR TRACKS AND CONSTRUCT RETAINING WALLS FOR THE DEPRESSED WESTERLY SEGMENT OF SKYWAY DRIVE.
- (C) CONSTRUCT NEW UPRR MAINLINE BRIDGE.

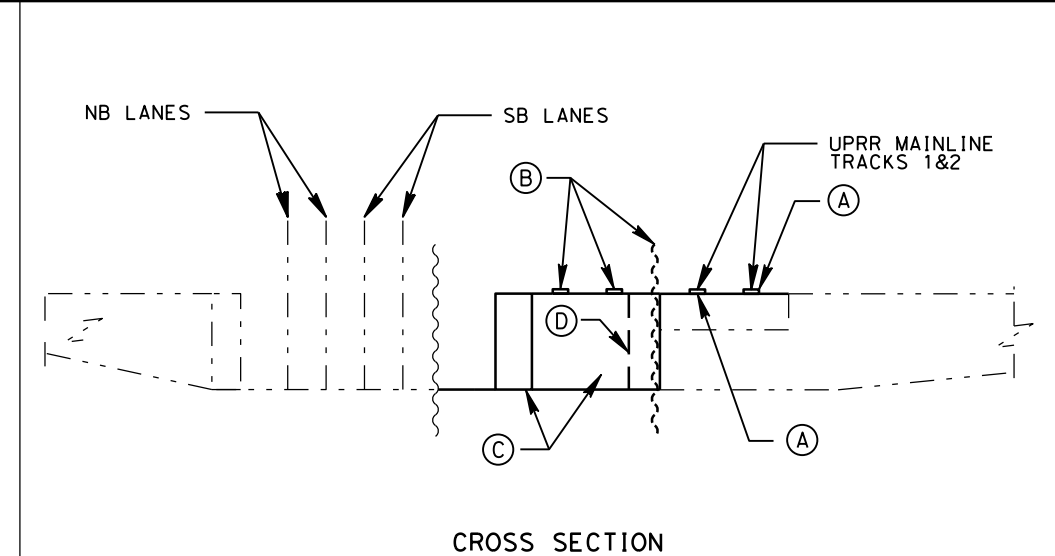
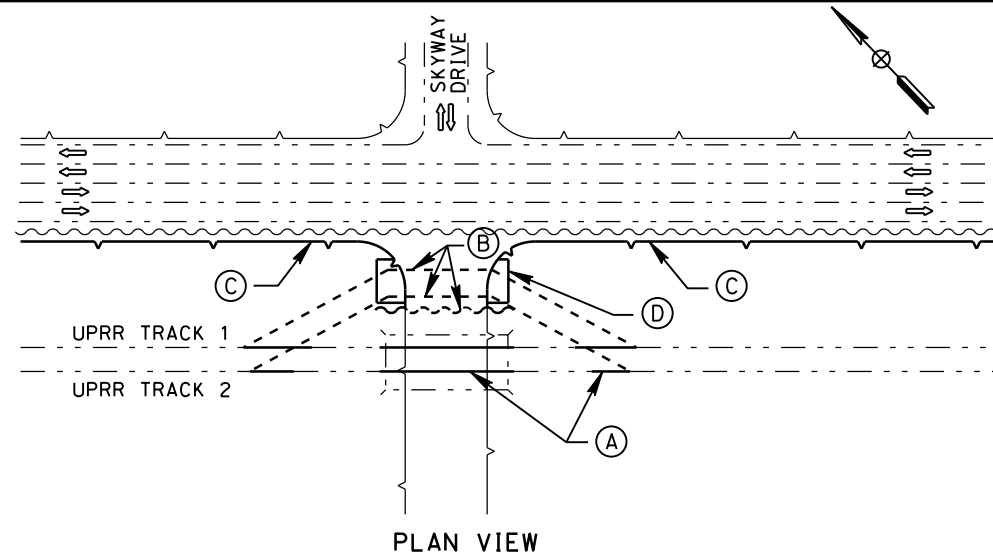
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- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL
- ➔ INDICATES DIRECTION OF TRAFFIC



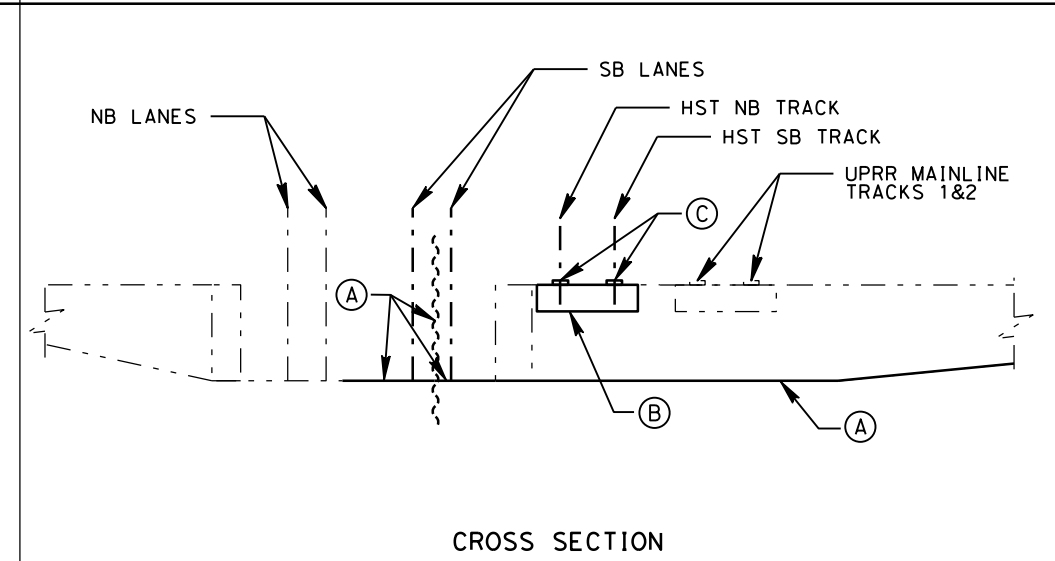
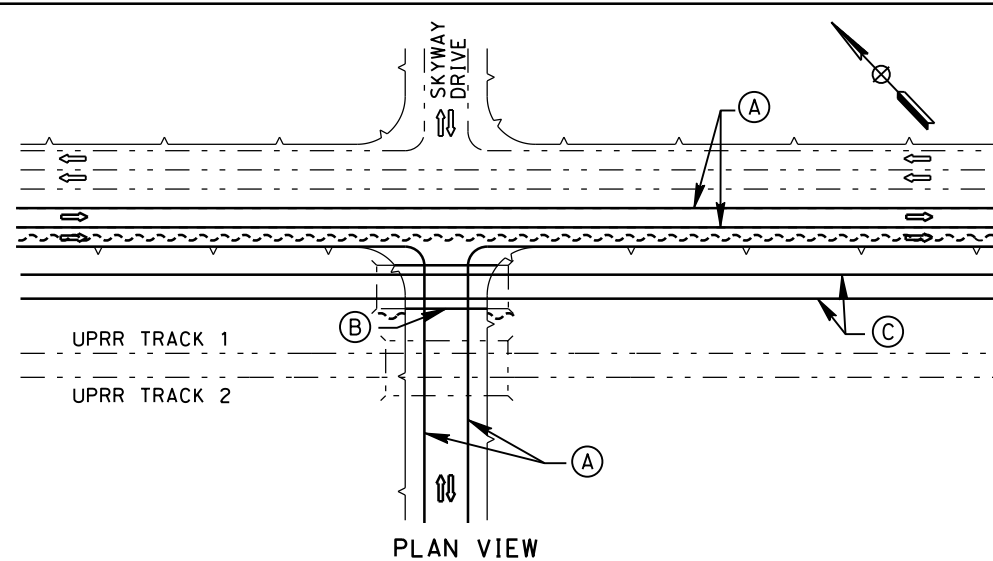
PHASE 2 - STAGE 2

- (A) CONSTRUCT NEW UPRR MAINLINE TRACKS ACROSS NEW BRIDGE AND OPEN FOR SERVICE.
- (B) REMOVE TEMP. UPRR SHOOFLY TRACK AND TEMP. SHORING SEGMENT AT SKYWAY DRIVE.
- (C) CONSTRUCT RETAINING WALLS FOR DEPRESSED EASTERLY SIDE OF MONTEREY HWY. AND DEPRESSED SKYWAY DRIVE SEGMENT WEST OF MONTEREY HWY.
- (D) CONSTRUCT ABUTMENTS FOR HST BRIDGE.



PHASE 3

- (A) REMOVE ALL TEMPORARY SHORING AND EXCAVATE AND CONSTRUCT NEW DEPRESSED SB LANES AND MEDIAN OF MONTEREY HWY. AND WEST SEGMENT OF SKYWAY DRIVE. OPEN TO SERVICE.
- (B) CONSTRUCT SUPERSTRUCTURE OF HST BRIDGE.
- (C) CONSTRUCT HST TRACKS, SIGNALS AND OCS ON FINAL ALIGNMENT.



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ALTERNATIVE 2
BOOK 2E
SHEET 173 OF 285**

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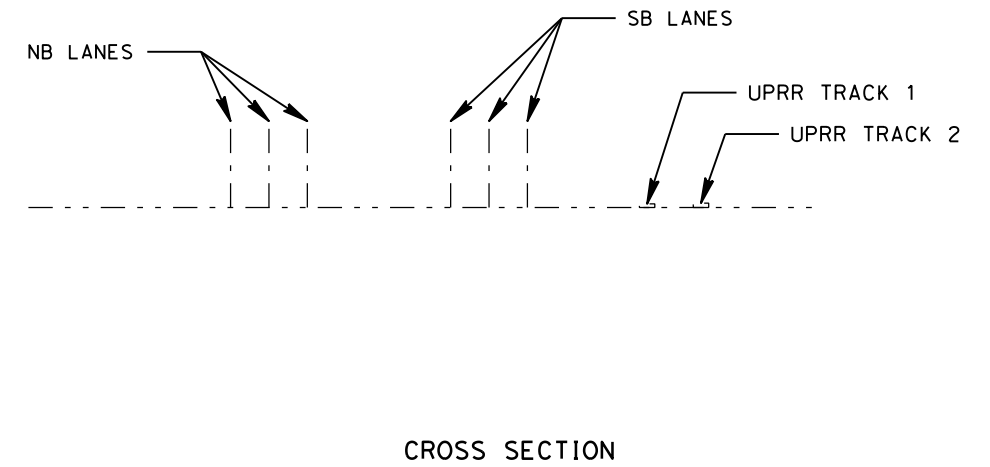
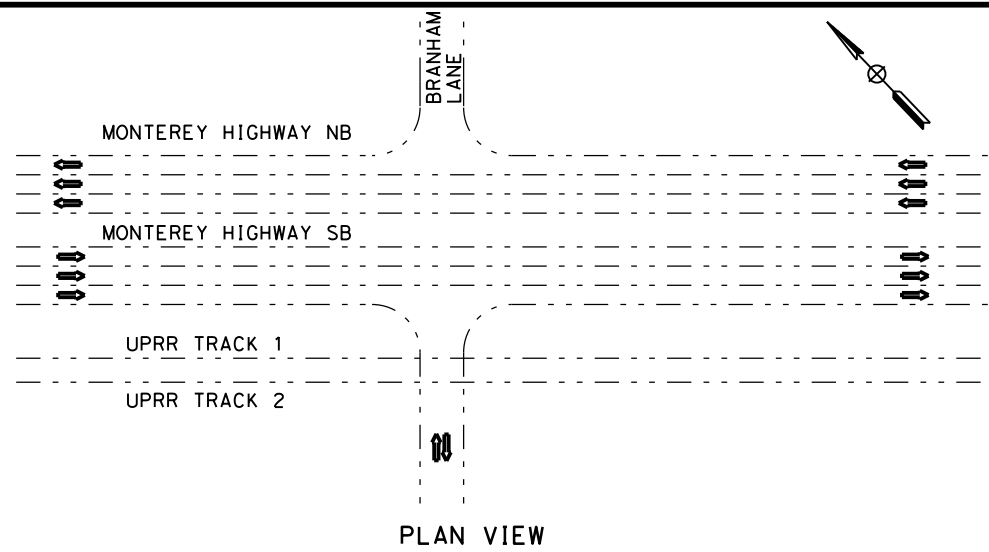
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SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 2 & 3
SKYWAY DRIVE UNDERCROSSING

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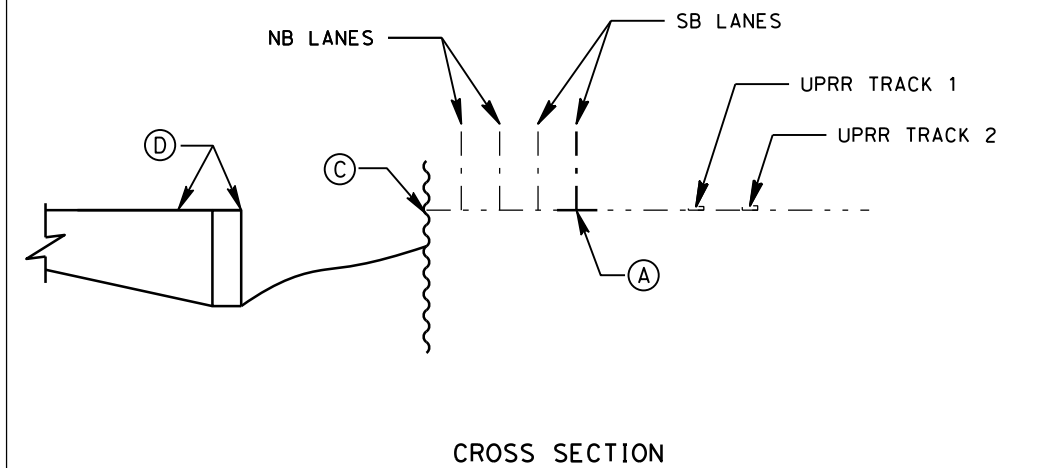
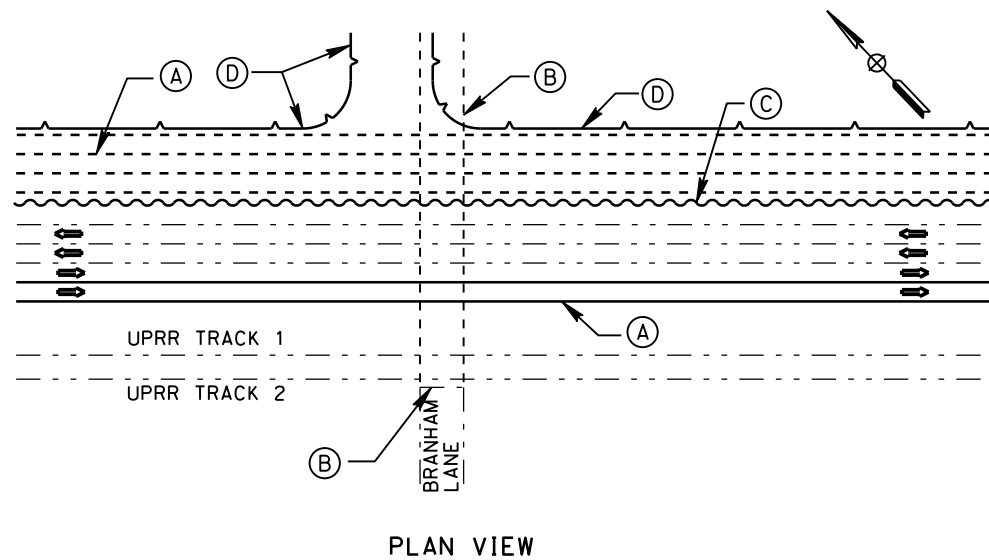
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- ➔ INDICATES DIRECTION OF TRAFFIC



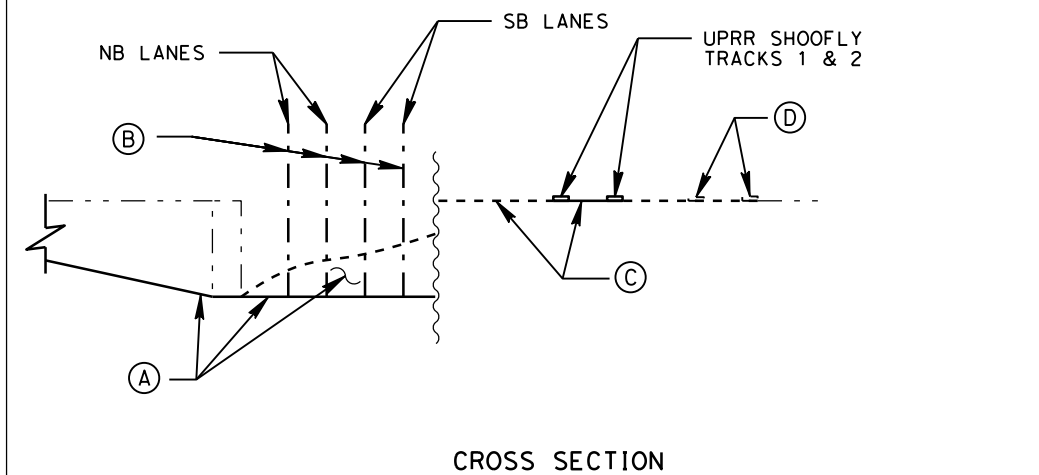
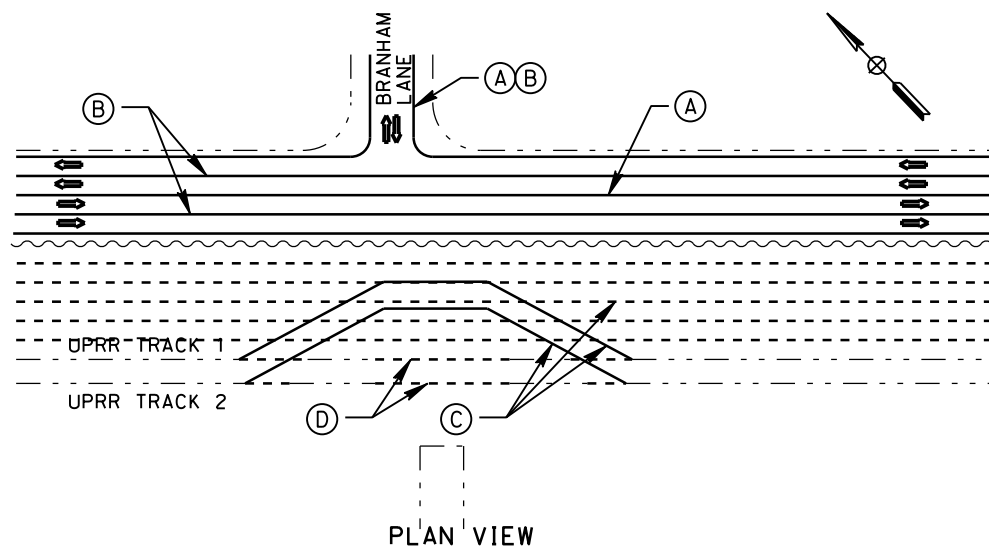
PHASE 1 - STAGE 1

- (A) CONSTRUCT TEMP. SB LANE ADJACENT TO EXIST. MONTEREY HWY. SB LANES. DIVERT SB MONTEREY TRAFFIC TO 2 WESTERLY LANES AND DIVERT NB MONTEREY TRAFFIC TO 2, ORIGINAL EASTERLY SB LANES, CLOSE ORIGINAL NB LANES AND REMOVE ROADWAY.
- (B) CLOSE BRANHAM LANE, REMOVE ROADWAY AND DETOUR TRAFFIC TO SKYWAY DRIVE AND CHYNOWETH AVENUE.
- (C) PLACE TEMPORARY SHORING WITHIN THE ABANDONED INSIDE NORTHBOUND LANE AND WITHIN THE EXTENTS OF THE PROPOSED DEPRESSED MONTEREY HIGHWAY AT BRANHAM LANE.
- (D) CONSTRUCT RETAINING WALLS FOR THE DEPRESSED EASTERLY HALF OF THE MONTEREY HIGHWAY AND DEPRESSED REALIGNED BRANHAM LANE EAST OF THE MONTEREY HIGHWAY.



PHASE 1 - STAGE 2

- (A) EXCAVATE AND CONSTRUCT NEW DEPRESSED EASTERLY HALF OF MONTEREY HWY. AND REALIGNED EAST SEGMENT OF BRANHAM LANE.
- (B) DIVERT MONTEREY HWY. NB & SB TRAFFIC TO 2 LANES EACH WAY ON NEW DEPRESSED ROADWAY AND OPEN EAST SIDE BRANHAM LANE TO TRAFFIC.
- (C) REMOVE REMAINING ORIGINAL MONTEREY HWY. ROADWAY AND CONSTRUCT UPRR SHOOFLY TRACKS. OPEN SHOOFLY TO SERVICE.
- (D) REMOVE SEGMENTS OF ORIGINAL UPRR MAIN LINE TRACKS AT BRIDGE SITE.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 174 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 1
BRANHAM LANE UNDERCROSSING

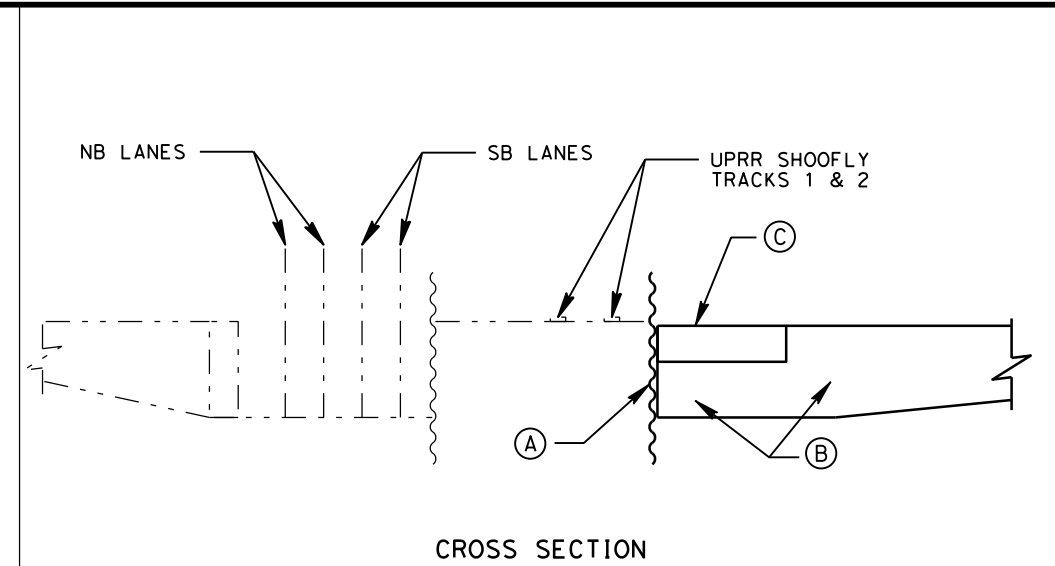
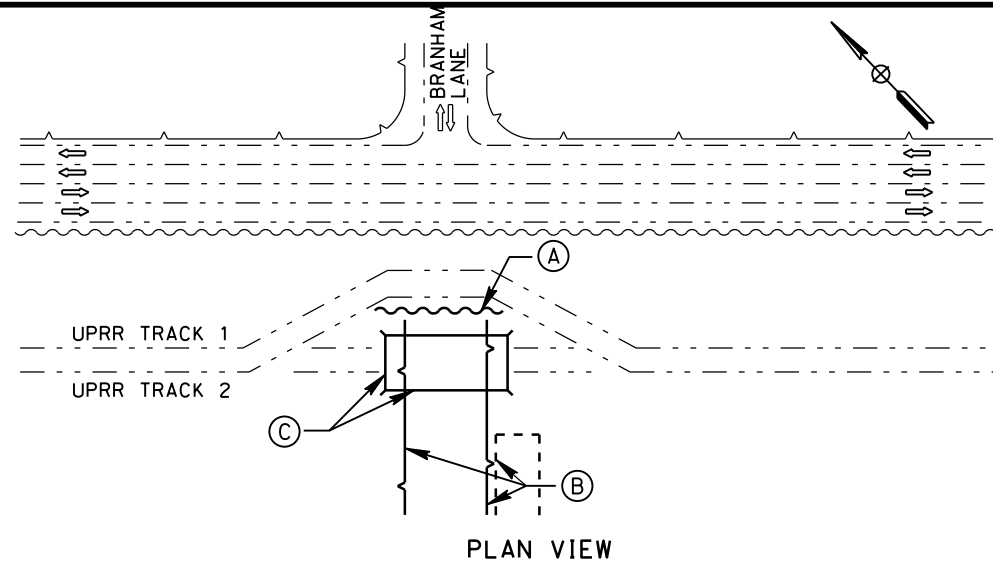
CONTRACT NO.	HSR15-34
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SCALE	AS SHOWN
SHEET NO.	

PHASE 2 - STAGE 1

- (A) PLACE TEMP. SHORING ON WEST SIDE OF UPRR SHOOFLY TRACKS AT REALIGNED BRANHAM LANE.
- (B) REMOVE EXISTING BRANHAM LANE ROADWAY WEST OF UPRR TRACKS AND CONSTRUCT RETAINING WALLS FOR THE DEPRESSED REALIGNED WESTERLY SEGMENT OF BRANHAM LANE.
- (C) CONSTRUCT NEW UPRR MAINLINE BRIDGE.

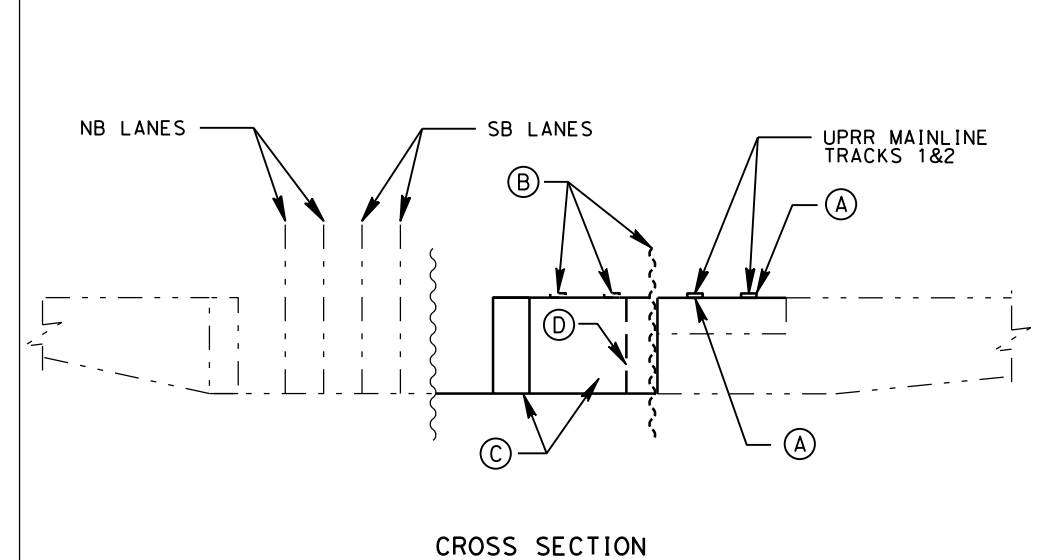
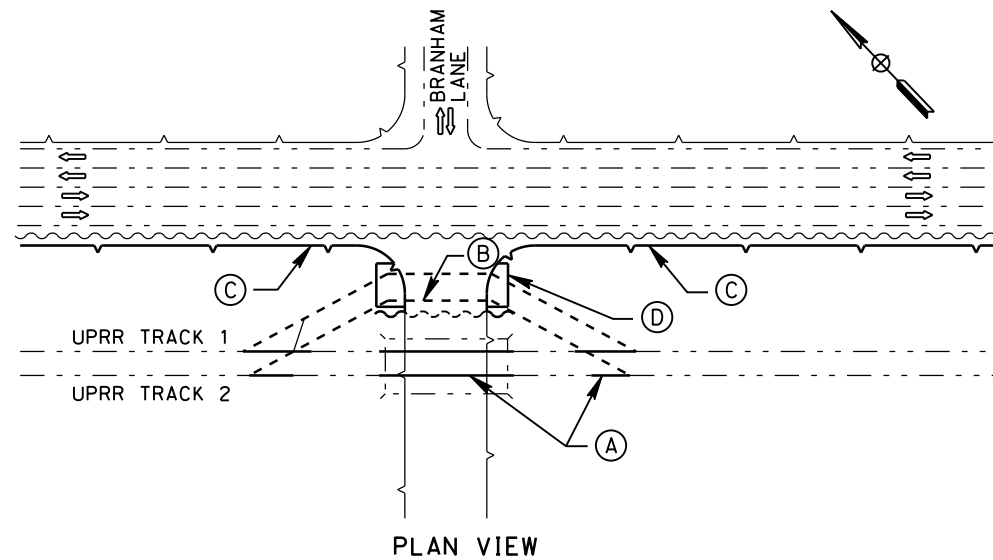
LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL
- INDICATES DIRECTION OF TRAFFIC



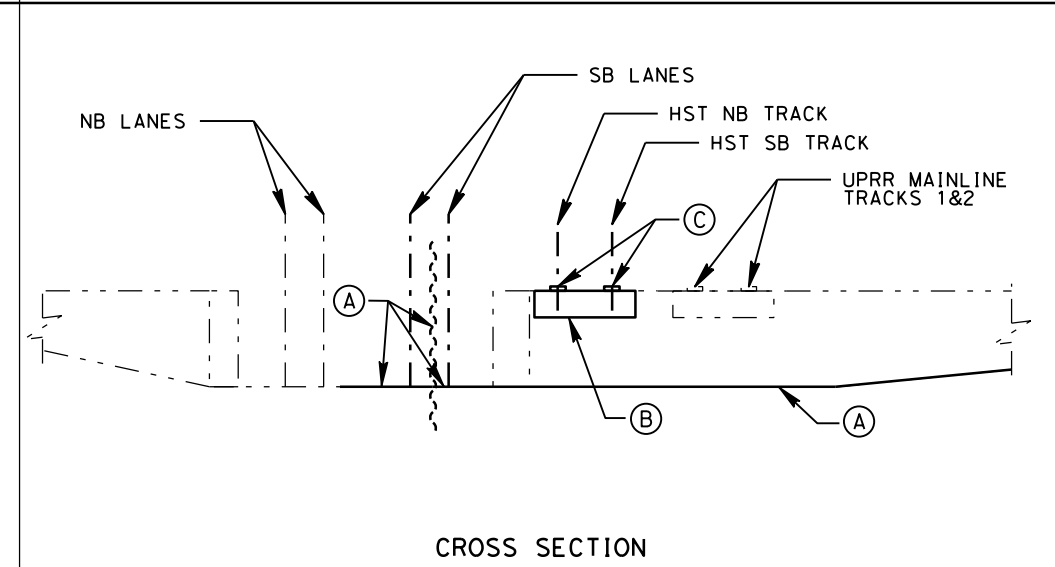
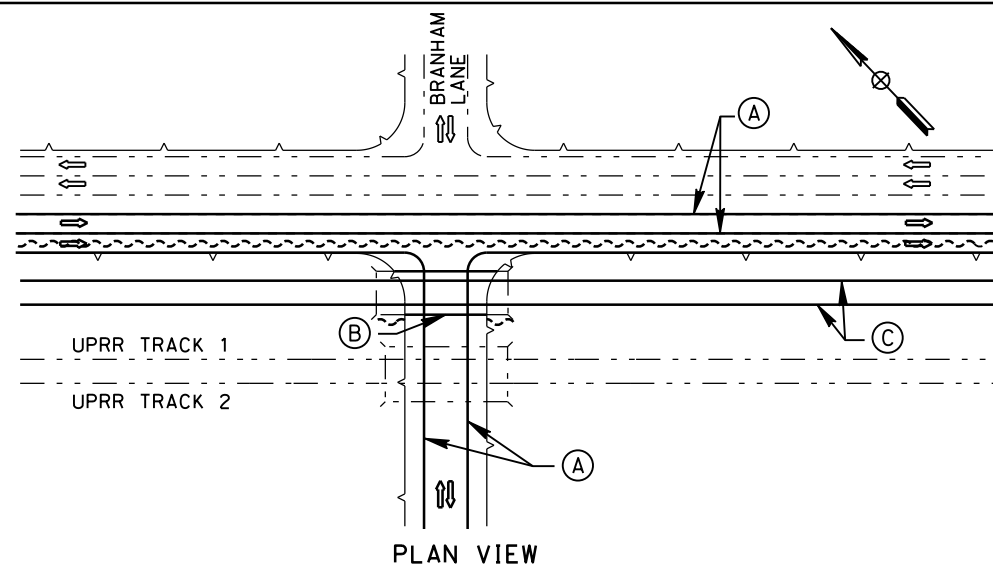
PHASE 2 - STAGE 2

- (A) CONSTRUCT NEW UPRR MAINLINE TRACKS ACROSS NEW BRIDGE AND OPEN FOR SERVICE.
- (B) REMOVE TEMP. UPRR SHOOFLY TRACK AND TEMP. SHORING SEGMENT AT REALIGNED BRANHAM LANE.
- (C) CONSTRUCT RETAINING WALLS FOR DEPRESSED EASTERLY SIDE OF MONTEREY HWY. AND DEPRESSED REALIGNED BRANHAM LANE SEGMENT WEST OF MONTEREY HWY.
- (D) CONSTRUCT ABUTMENTS FOR HST BRIDGE.



PHASE 3

- (A) REMOVE ALL TEMPORARY SHORING AND EXCAVATE AND CONSTRUCT NEW DEPRESSED SB LANES AND MEDIAN OF MONTEREY HWY. AND WEST SEGMENT OF REALIGNED BRANHAM LANE. OPEN TO SERVICE.
- (B) CONSTRUCT SUPERSTRUCTURE OF HST BRIDGE.
- (C) CONSTRUCT HST TRACKS, SIGNALS AND OCS ON FINAL ALIGNMENT.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 175 OF 285**

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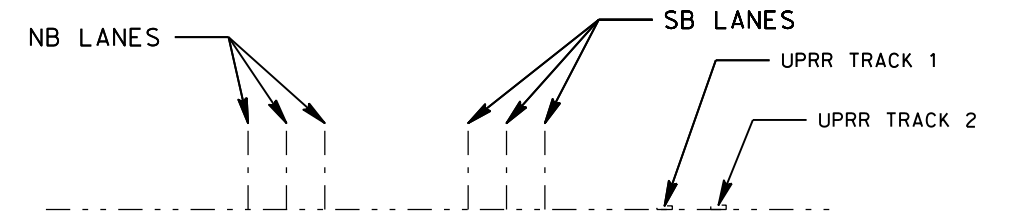
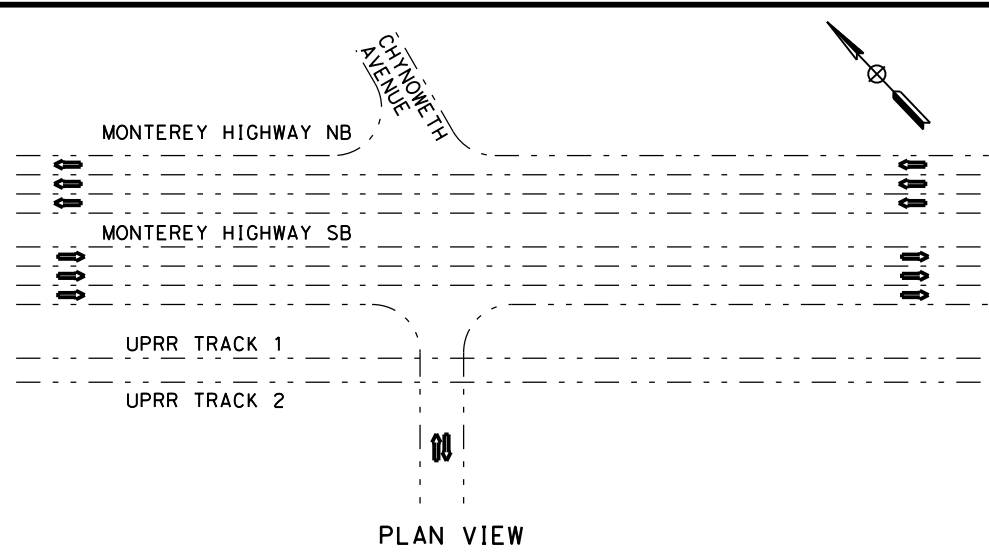
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SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 2 & 3
BRANHAM LANE UNDERCROSSING

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10507
SCALE	AS SHOWN
SHEET NO.	

EXISTING CONDITION

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL
- ➔ INDICATES DIRECTION OF TRAFFIC

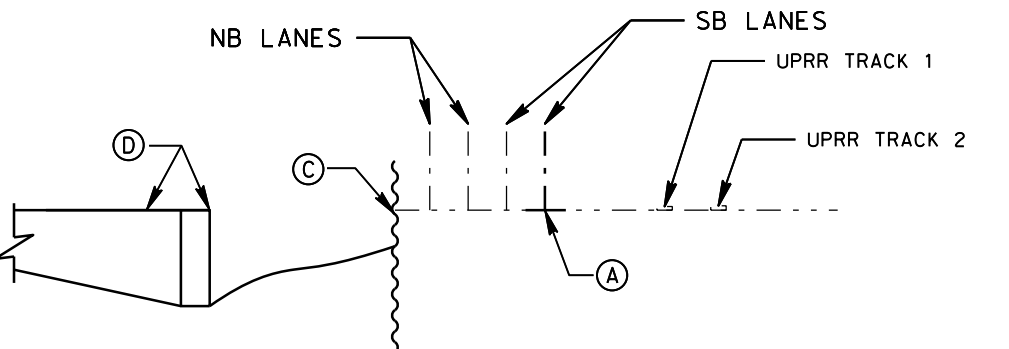
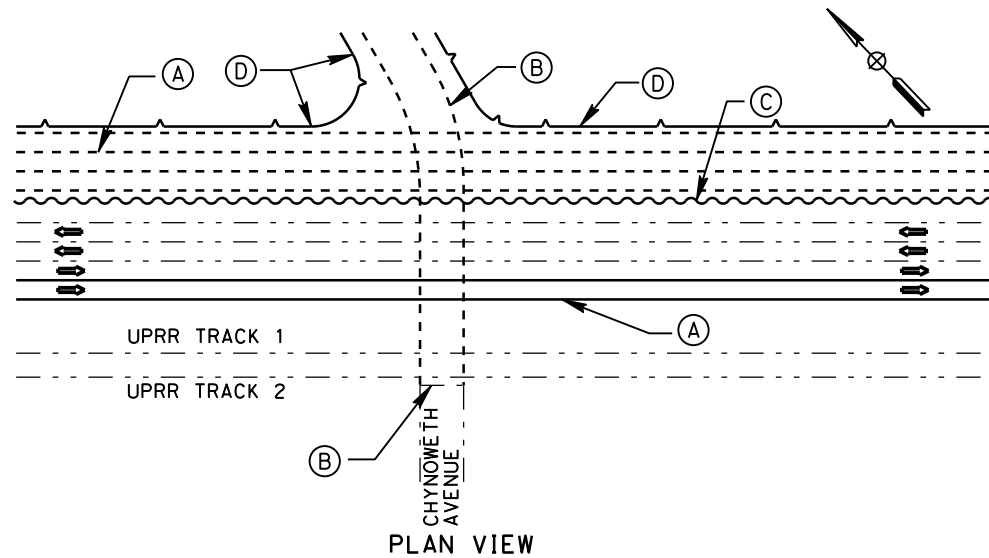


PLAN VIEW

CROSS SECTION

PHASE 1 - STAGE 1

- (A) CONSTRUCT TEMP. SB LANE ADJACENT TO EXIST. MONTEREY HWY. SB LANES. DIVERT SB MONTEREY TRAFFIC TO 2 WESTERLY LANES AND DIVERT NB MONTEREY TRAFFIC TO 2, ORIGINAL EASTERLY SB LANES, CLOSE ORIGINAL NB LANES AND REMOVE ROADWAY.
- (B) CLOSE CHYNOWETH AVENUE, REMOVE ROADWAY AND DETOUR TRAFFIC TO BRANHAM LANE AND BLOSSOM HILL ROAD.
- (C) PLACE TEMPORARY SHORING WITHIN THE ABANDONED INSIDE NORTHBOUND LANE AND WITHIN THE EXTENTS OF THE PROPOSED DEPRESSED MONTEREY HIGHWAY AT CHYNOWETH AVENUE.
- (D) CONSTRUCT RETAINING WALLS FOR THE DEPRESSED EASTERLY HALF OF THE MONTEREY HIGHWAY AND DEPRESSED CHYNOWETH AVENUE EAST OF THE MONTEREY HIGHWAY.

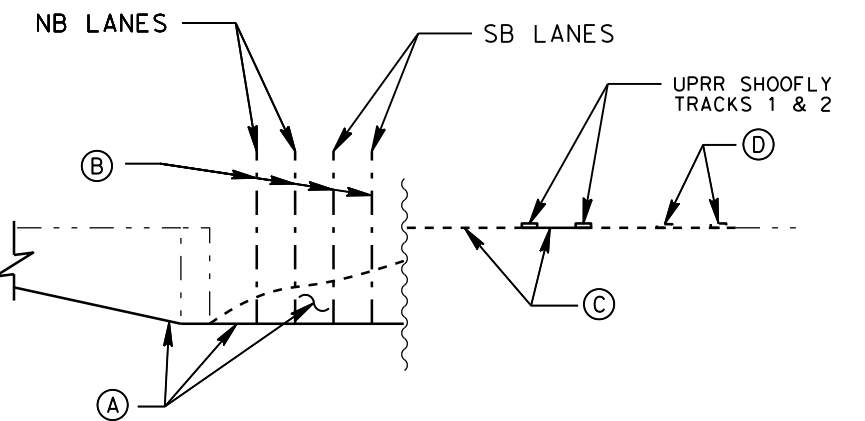
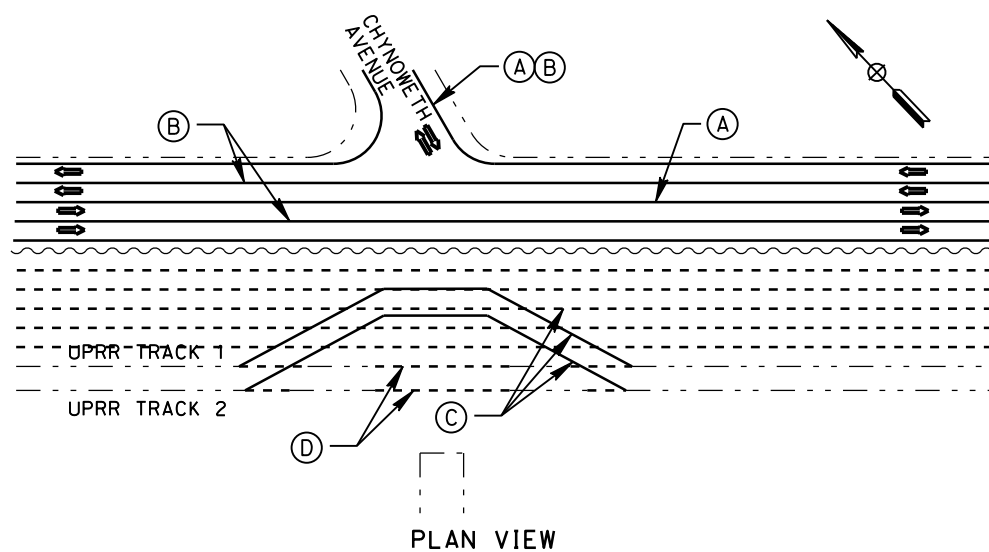


PLAN VIEW

CROSS SECTION

PHASE 1 - STAGE 2

- (A) EXCAVATE AND CONSTRUCT NEW DEPRESSED EASTERLY HALF OF MONTEREY HWY. AND EAST SEGMENT OF CHYNOWETH AVENUE.
- (B) DIVERT MONTEREY HWY. NB & SB TRAFFIC TO 2 LANES EACH WAY ON NEW DEPRESSED ROADWAY AND OPEN EAST SIDE CHYNOWETH AVENUE TO TRAFFIC.
- (C) REMOVE REMAINING ORIGINAL MONTEREY HWY. ROADWAY AND CONSTRUCT UPRR SHOOFLY TRACKS. OPEN SHOOFLY TO SERVICE.
- (D) REMOVE SEGMENTS OF ORIGINAL UPRR MAIN LINE TRACKS AT BRIDGE SITE.



PLAN VIEW

CROSS SECTION

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 176 OF 285**

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SAN JOSE TO MERCED
MONTEREY CORRIDOR
AT-GRADE
CONSTRUCTION STAGING-PHASE 1
CHYNOWETH AVENUE UNDERCROSSING

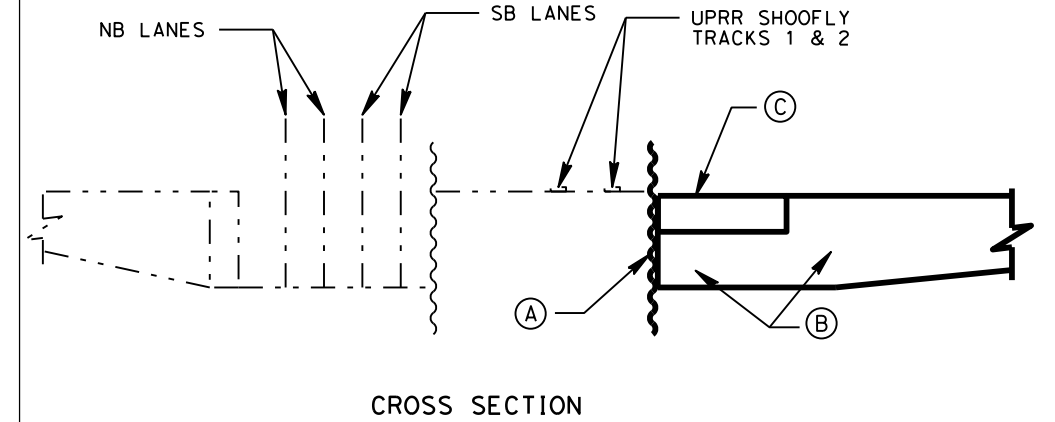
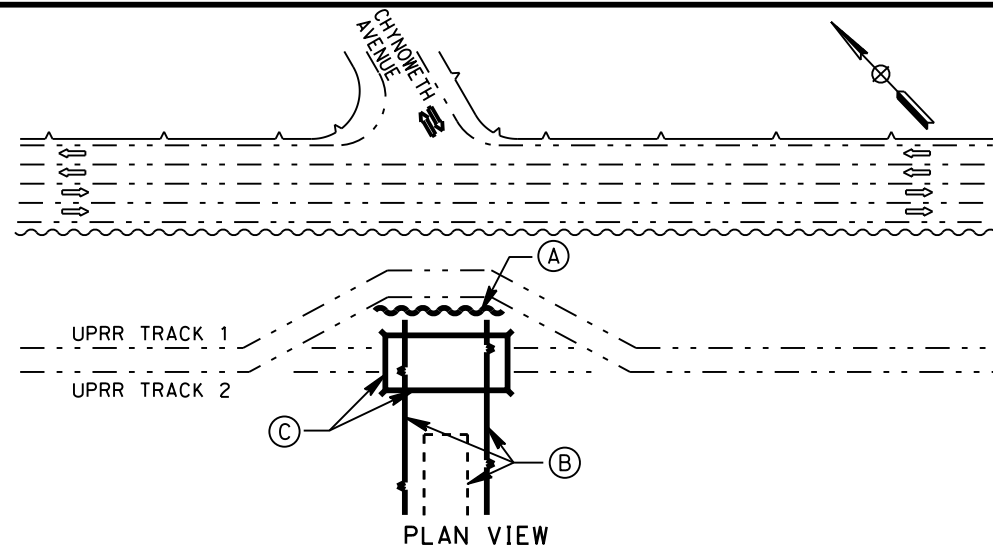
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10508
SCALE	AS SHOWN
SHEET NO.	

PHASE 2 - STAGE 1

- (A) PLACE TEMP. SHORING ON WEST SIDE OF UPRR SHOOFLY TRACKS AT CHYNOWETH AVENUE.
- (B) REMOVE EXISTING CHEYNOWETH AVE ROADWAY WEST OF UPRR TRACKS AND CONSTRUCT RETAINING WALLS FOR THE DEPRESSED WESTERLY SEGMENT OF CHYNOWETH AVENUE.
- (C) CONSTRUCT NEW UPRR MAINLINE BRIDGE.

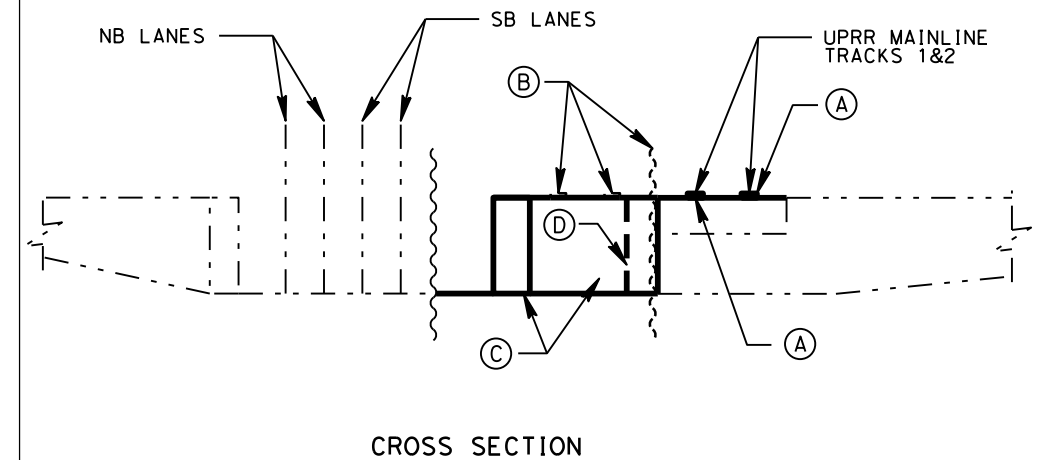
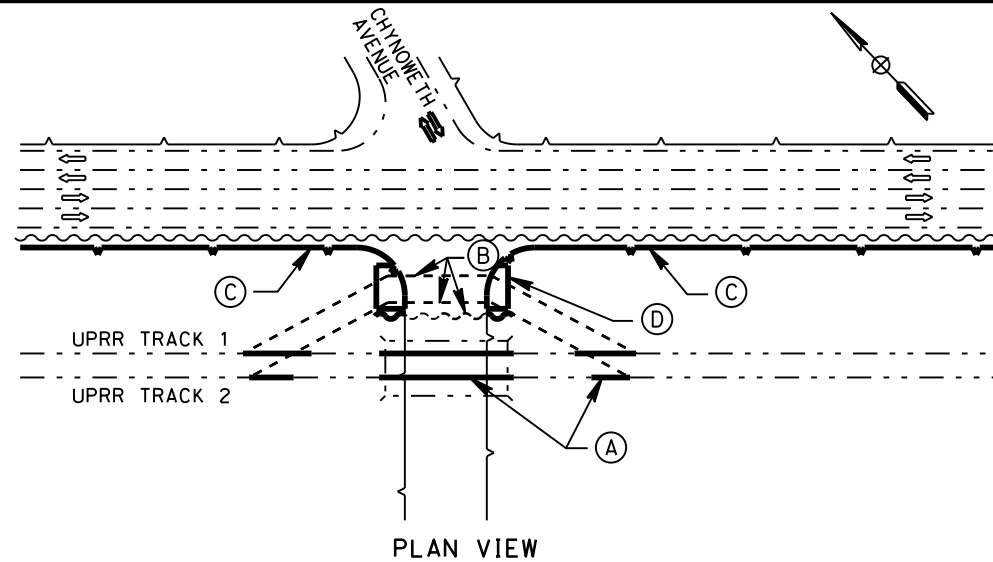
LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL
- ➔ INDICATES DIRECTION OF TRAFFIC



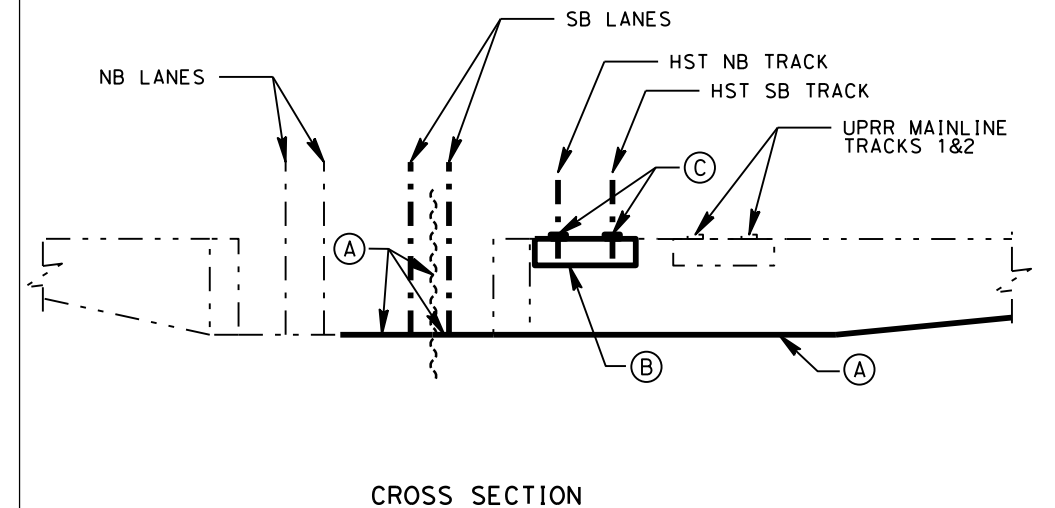
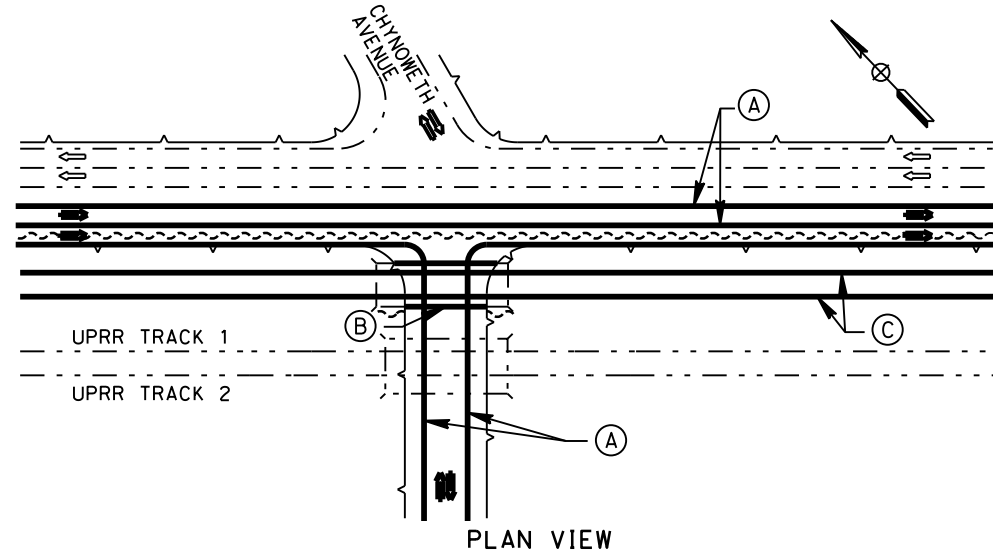
PHASE 2 - STAGE 2

- (A) CONSTRUCT NEW UPRR MAINLINE TRACKS ACROSS NEW BRIDGE AND OPEN FOR SERVICE.
- (B) REMOVE TEMP. UPRR SHOOFLY TRACK AND TEMP. SHORING SEGMENT AT CHYNOWETH AVENUE.
- (C) CONSTRUCT RETAINING WALLS FOR DEPRESSED EASTERLY SIDE OF MONTEREY HWY. AND DEPRESSED CHYNOWETH AVENUE SEGMENT WEST OF MONTEREY HWY.
- (D) CONSTRUCT ABUTMENTS FOR HST BRIDGE.



PHASE 3

- (A) REMOVE ALL TEMPORARY SHORING AND EXCAVATE AND CONSTRUCT NEW DEPRESSED SB LANES AND MEDIAN OF MONTEREY HWY. AND WEST SEGMENT OF CHYNOWETH AVENUE. OPEN TO SERVICE.
- (B) CONSTRUCT SUPERSTRUCTURE OF HST BRIDGE.
- (C) CONSTRUCT HST TRACKS, SIGNALS AND OCS ON FINAL ALIGNMENT.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 177 OF 285**

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CONSTRUCTION STAGING-PHASE 2 & 3
CHYNOWETH AVENUE UNDERCROSSING

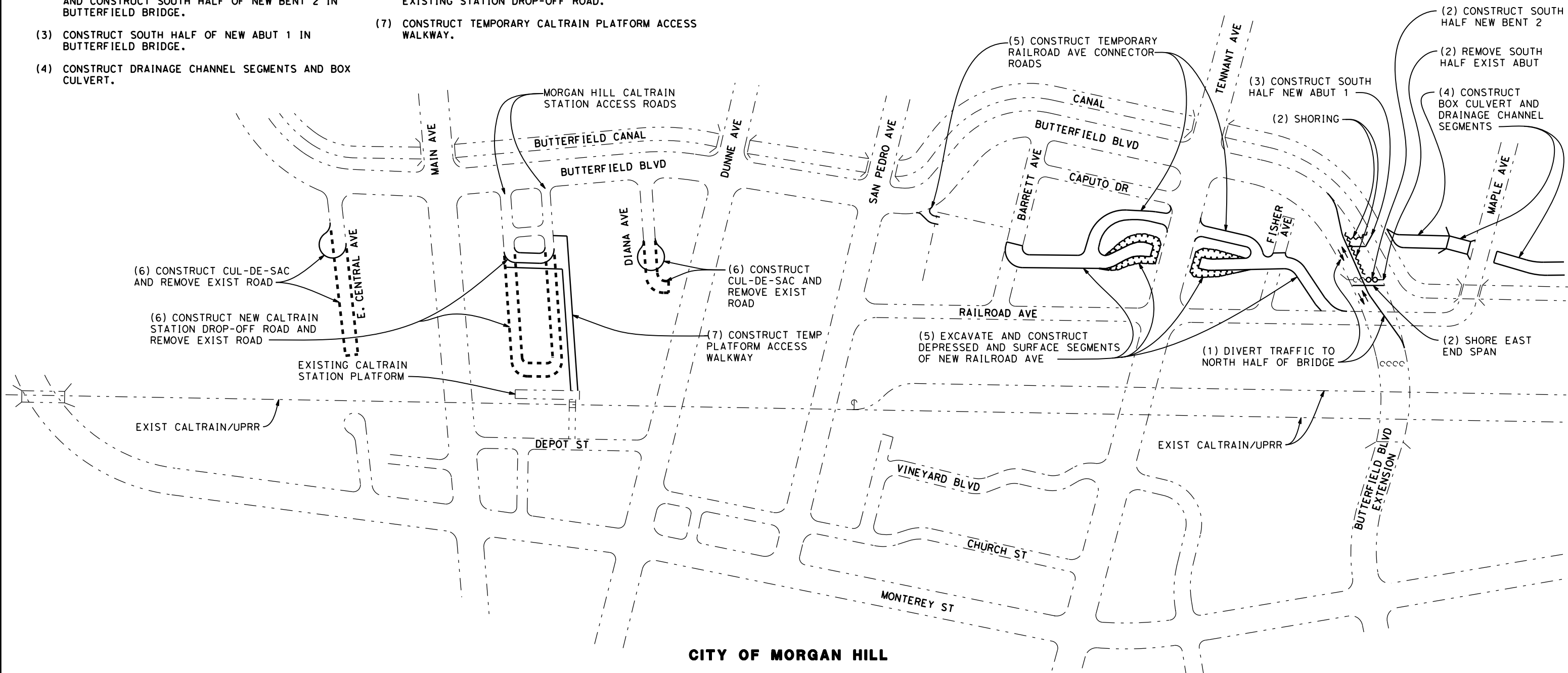
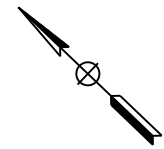
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10509
SCALE	AS SHOWN
SHEET NO.	

PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) DIVERT BUTTERFIELD BLVD TRAFFIC TO ONE LANE EACH WAY ON NORTH HALF OF BRIDGE OVER UPRR AND BRIDGE APPROACH. DETOUR ALTERNATE ON TENNANT AVENUE.
- (2) SHORE EAST END OF SPAN 1, REMOVE SOUTH HALF OF ABUT 1. SHORE NORTH HALF ACTIVE ROAD, AND CONSTRUCT SOUTH HALF OF NEW BENT 2 IN BUTTERFIELD BRIDGE.
- (3) CONSTRUCT SOUTH HALF OF NEW ABUT 1 IN BUTTERFIELD BRIDGE.
- (4) CONSTRUCT DRAINAGE CHANNEL SEGMENTS AND BOX CULVERT.
- (5) CONSTRUCT TEMPORARY RAILROAD AVE CONNECTOR ROADS. EXCAVATE AND CONSTRUCT DEPRESSED AND SURFACE SEGMENTS OF NEW RAILROAD AVE DIVERT RAILROAD AVE TRAFFIC TO NEW ROADS.
- (6) CONSTRUCT CUL-DE-SACS AND NEW CALTRAIN STATION DROP-OFF ROAD, REMOVE EXISTING ROAD SEGMENTS AND EXISTING STATION DROP-OFF ROAD.
- (7) CONSTRUCT TEMPORARY CALTRAIN PLATFORM ACCESS WALKWAY.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 178 OF 285**

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MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
DOWNTOWN MORGAN HILL

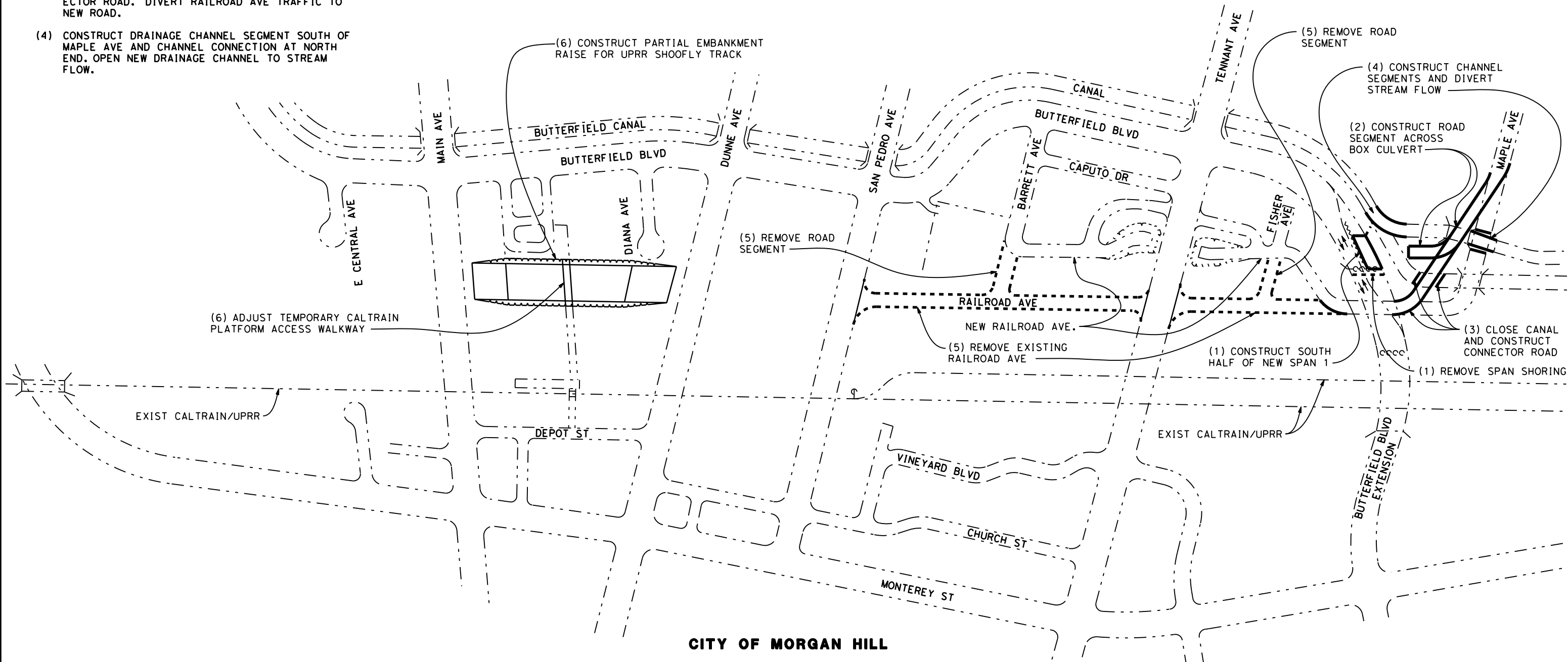
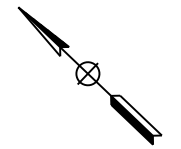
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DRAWING NO.	CV-10801
SCALE	AS SHOWN
SHEET NO.	

PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT NEW SOUTH HALF OF SPAN 1 IN BUTTERFIELD BRIDGE. REMOVE TEMPORARY SPAN SHORING.
- (2) CONSTRUCT SEGMENT OF NEW RAILROAD/MAPLE AVE ACROSS BOX CULVERT.
- (3) CLOSE CANAL AND CONSTRUCT RAILROAD AVE CONNECTOR ROAD. DIVERT RAILROAD AVE TRAFFIC TO NEW ROAD.
- (4) CONSTRUCT DRAINAGE CHANNEL SEGMENT SOUTH OF MAPLE AVE AND CHANNEL CONNECTION AT NORTH END. OPEN NEW DRAINAGE CHANNEL TO STREAM FLOW.
- (5) REMOVE EXISTING RAILROAD AVE AND ADJACENT ROAD SEGMENTS BETWEEN SAN PEDRO AVE AND BUTTERFIELD BLVD EXTENSION.
- (6) CONSTRUCT PARTIAL EMBANKMENT RAISE FOR UPRR SHOOFLY TRACK. ADJUST TEMPORARY CALTRAIN PLATFORM ACCESS WALKWAY.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 179 OF 285**

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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
DOWNTOWN MORGAN HILL

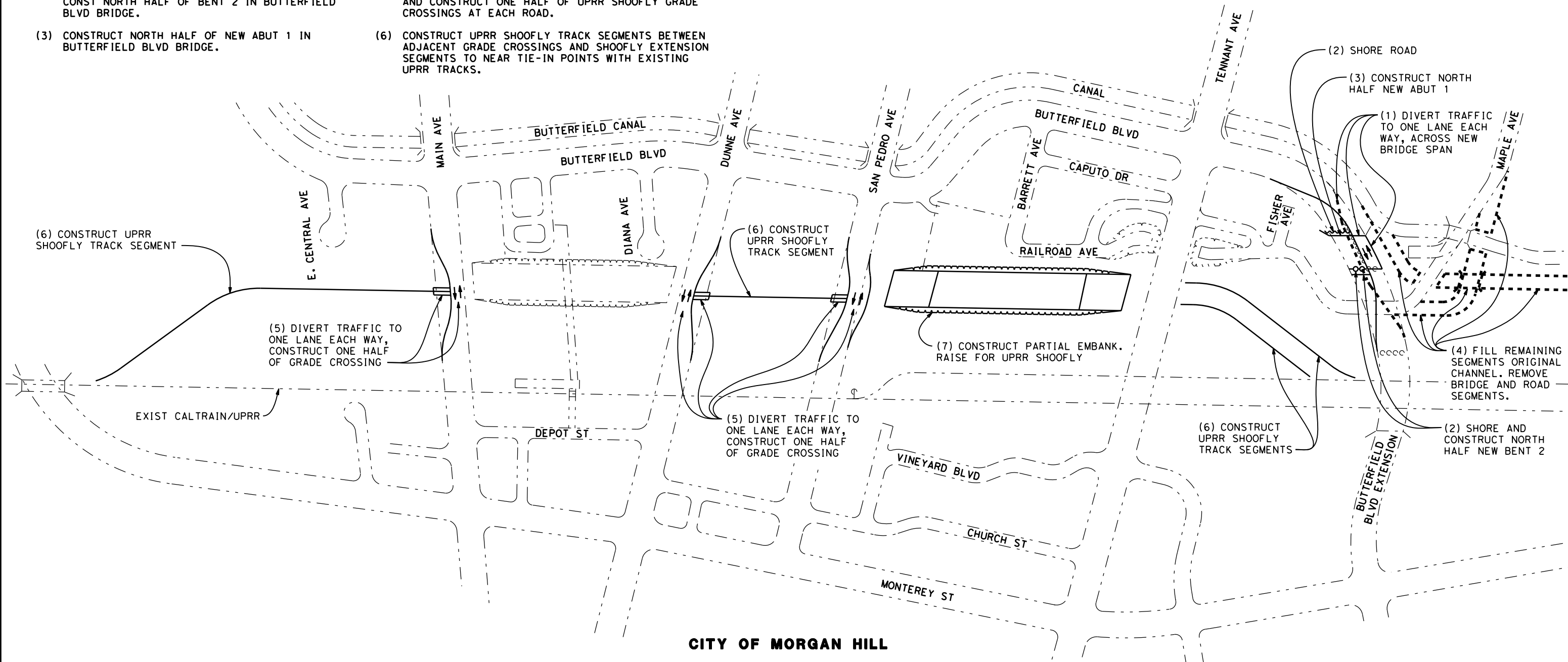
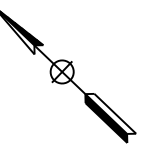
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10802
SCALE	AS SHOWN
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PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) DIVERT BUTTERFIELD BLVD TRAFFIC TO ONE LANE EACH WAY ON SOUTH HALF OF BRIDGE OVER UPRR AND ACROSS NEW SPAN AND BRIDGE APPROACH. DETOUR ALTERNATE ON TENNANT AVE.
- (2) SHORE EAST END OF NORTH HALF OF SPAN 1 (ABUT 2). REMOVE NORTH HALF OF EXISTING ABUT 1. SHORE SOUTH HALF ACTIVE ROAD, AND CONST NORTH HALF OF BENT 2 IN BUTTERFIELD BLVD BRIDGE.
- (3) CONSTRUCT NORTH HALF OF NEW ABUT 1 IN BUTTERFIELD BLVD BRIDGE.
- (4) FILL/REMOVE REMAINING SEGMENTS OF ORIGINAL DRAINAGE CHANNEL AND MAPLE/RAILROAD BRIDGE OVER CHANNEL. REMOVE ORIGINAL MAPLE AVE AND RAILROAD AVE SEGMENTS.
- (5) DIVERT TRAFFIC ON SAN PEDRO AVE, DUNNE AVE, AND MAIN AVE TO ONE LANE EACH WAY ON HALF OF ROADWAY DURING SEQUENTIAL ONE WEEK PERIODS AND CONSTRUCT ONE HALF OF UPRR SHOOFLY GRADE CROSSINGS AT EACH ROAD.
- (6) CONSTRUCT UPRR SHOOFLY TRACK SEGMENTS BETWEEN ADJACENT GRADE CROSSINGS AND SHOOFLY EXTENSION SEGMENTS TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS.
- (7) CONSTRUCT PARTIAL EMBANKMENT RAISE FOR UPRR SHOOFLY TRACK BETWEEN SAN PEDRO AVE AND TENNANT AVE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 180 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
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CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
DOWNTOWN MORGAN HILL

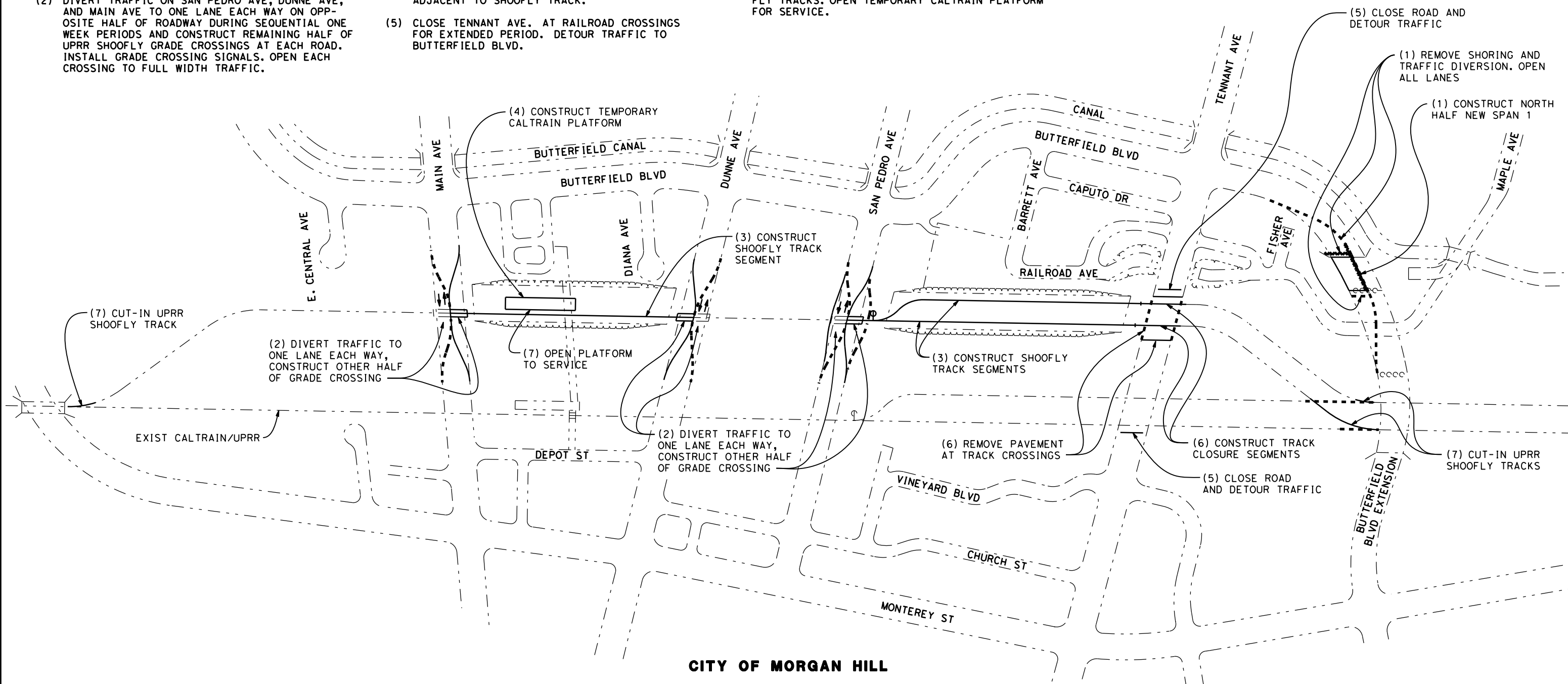
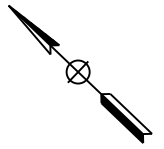
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SCALE	AS SHOWN
SHEET NO.	

PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT NEW NORTH HALF OF SPAN 1 IN BUTTERFIELD BLVD BRIDGE. REMOVE TEMPORARY SHORING. REMOVE TRAFFIC DIVERSION BARRIERS AND OPEN ALL LANES OF BUTTERFIELD BLVD TO NORMAL TRAFFIC FLOW ACROSS BRIDGE.
- (2) DIVERT TRAFFIC ON SAN PEDRO AVE, DUNNE AVE, AND MAIN AVE TO ONE LANE EACH WAY ON OPPOSITE HALF OF ROADWAY DURING SEQUENTIAL ONE WEEK PERIODS AND CONSTRUCT REMAINING HALF OF UPRR SHOOFLY GRADE CROSSINGS AT EACH ROAD. INSTALL GRADE CROSSING SIGNALS. OPEN EACH CROSSING TO FULL WIDTH TRAFFIC.
- (3) CONSTRUCT UPRR SHOOFLY TRACK SEGMENTS BETWEEN ADJACENT GRADE CROSSINGS AND SHOOFLY EXTENSION SEGMENT BETWEEN SAN PEDRO AVE AND TENNANT AVE.
- (4) CONSTRUCT TEMPORARY CALTRAIN PLATFORM ADJACENT TO SHOOFLY TRACK.
- (5) CLOSE TENNANT AVE. AT RAILROAD CROSSINGS FOR EXTENDED PERIOD. DETOUR TRAFFIC TO BUTTERFIELD BLVD.
- (6) REMOVE TENNANT AVE PAVEMENT AT SHOOFLY TRACK CROSSING AREA AND CONSTRUCT SHOOFLY CLOSURE SEGMENTS.
- (7) CUT-IN UPRR SHOOFLY TRACKS AT ENDS ON TRAIN-FREE WEEKEND AND BEGIN OPERATIONS ON SHOOFLY TRACKS. OPEN TEMPORARY CALTRAIN PLATFORM FOR SERVICE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 181 OF 285**

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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2
DOWNTOWN MORGAN HILL

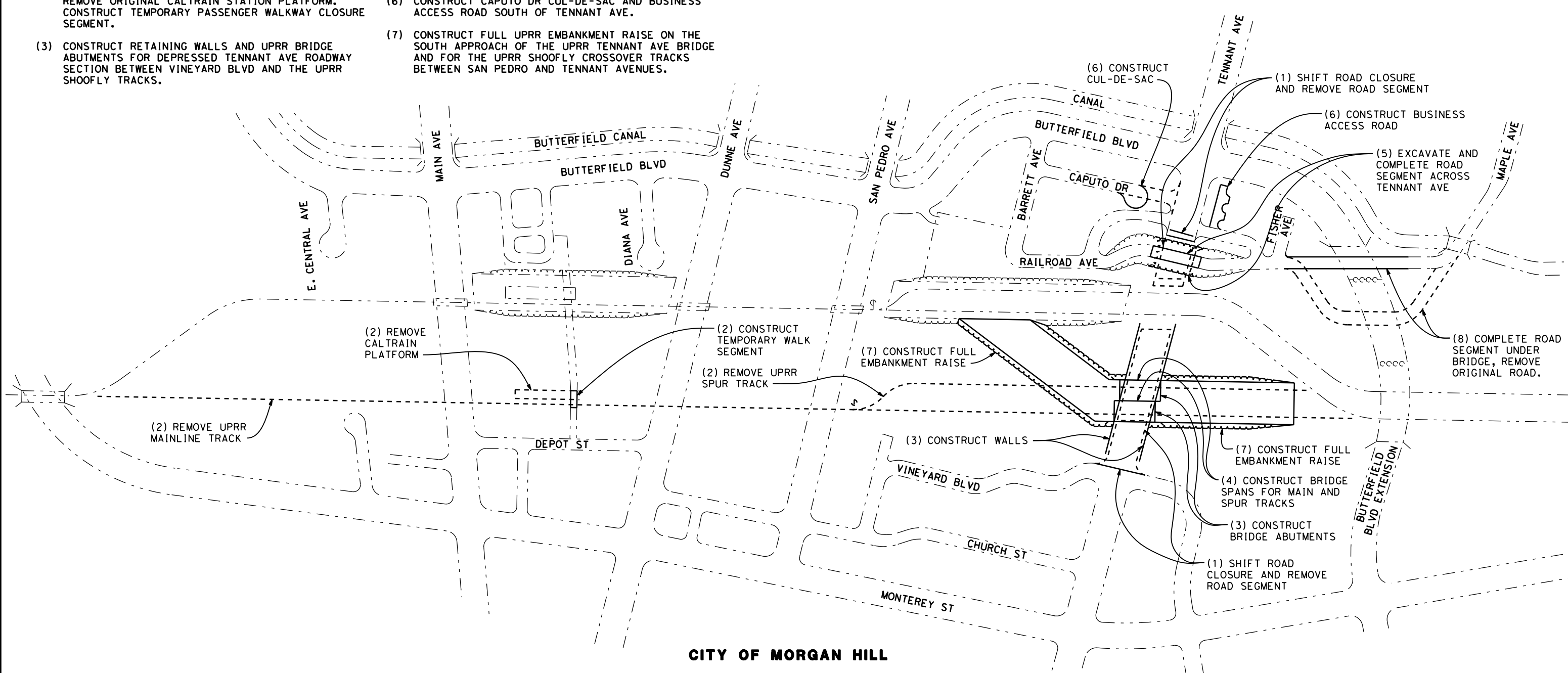
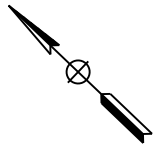
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DRAWING NO.	CV-10804
SCALE	AS SHOWN
SHEET NO.	

PHASE 3 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) SHIFT TENNANT AVE ROAD CLOSURES TO JUST EAST OF VINEYARD BLVD AND JUST WEST OF TEMPORARY RAILROAD AVE CONNECTOR ROADS. REMOVE REMAINING TENNANT AVE ROADWAY SEGMENTS BETWEEN CLOSURE POINTS.
- (2) REMOVE UPRR MAIN LINE AND SIDING TRACKS AND REMOVE ORIGINAL CALTRAIN STATION PLATFORM. CONSTRUCT TEMPORARY PASSENGER WALKWAY CLOSURE SEGMENT.
- (3) CONSTRUCT RETAINING WALLS AND UPRR BRIDGE ABUTMENTS FOR DEPRESSED TENNANT AVE ROADWAY SECTION BETWEEN VINEYARD BLVD AND THE UPRR SHOOFLY TRACKS.
- (4) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR MAIN LINE AND SPUR TRACK BRIDGES AT TENNANT AVE.
- (5) EXCAVATE AND CONSTRUCT RAILROAD AVE CLOSURE ROAD SEGMENT ON FINAL LOWERED PROFILE ACROSS TENNANT AVE.
- (6) CONSTRUCT CAPUTO DR CUL-DE-SAC AND BUSINESS ACCESS ROAD SOUTH OF TENNANT AVE.
- (7) CONSTRUCT FULL UPRR EMBANKMENT RAISE ON THE SOUTH APPROACH OF THE UPRR TENNANT AVE BRIDGE AND FOR THE UPRR SHOOFLY CROSSOVER TRACKS BETWEEN SAN PEDRO AND TENNANT AVENUES.
- (8) CONSTRUCT RAILROAD AVE CLOSURE SEGMENT UNDER BUTTERFIELD BLVD BRIDGE AND REMOVE ORIGINAL ROADWAY.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
NOT TO SCALE

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 182 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1
DOWNTOWN MORGAN HILL

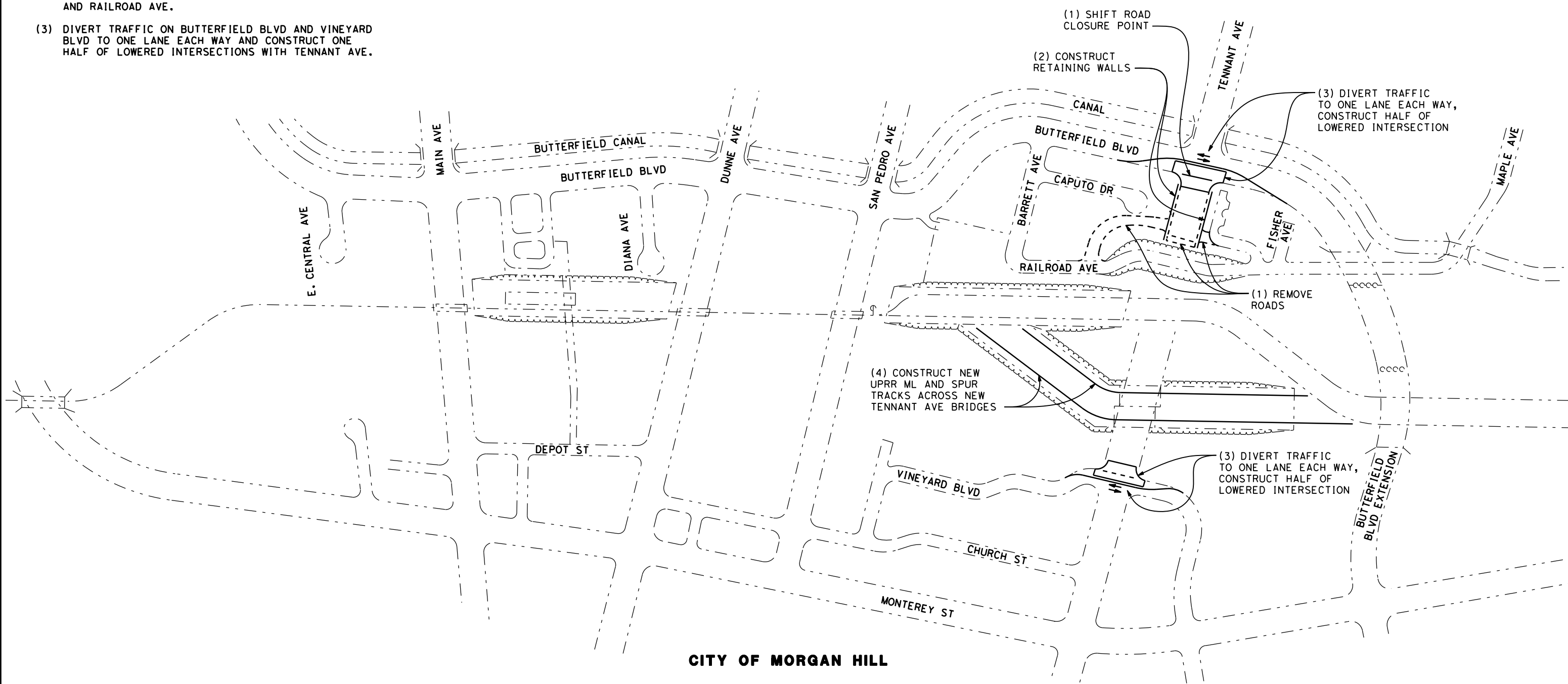
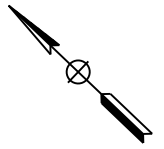
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PHASE 3 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) SHIFT TENNANT AVE ROAD CLOSURE TO JUST WEST OF BUTTERFIELD BLVD. REMOVE TENNANT AVE ROADWAY SEGMENT BETWEEN BUTTERFIELD BLVD AND REMOVE TEMPORARY RAILROAD AVE CONNECTOR ROADS.
- (2) CONSTRUCT RETAINING WALLS FOR DEPRESSED TENNANT AVE ROADWAY SECTION BETWEEN BUTTERFIELD BLVD AND RAILROAD AVE.
- (3) DIVERT TRAFFIC ON BUTTERFIELD BLVD AND VINEYARD BLVD TO ONE LANE EACH WAY AND CONSTRUCT ONE HALF OF LOWERED INTERSECTIONS WITH TENNANT AVE.
- (4) CONSTRUCT UPRR MAIN LINE AND SPUR TRACK SEGMENTS ACROSS NEW TENNANT AVE BRIDGES AND SOUTH TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS. CONSTRUCT UPRR SHOOFLY CROSSOVER TRACKS FROM NEW TENNANT AVE BRIDGES NORTH TO NEAR TIE-IN POINTS WITH UPRR SHOOFLY TRACKS.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 183 OF 285**

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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 2
DOWNTOWN MORGAN HILL

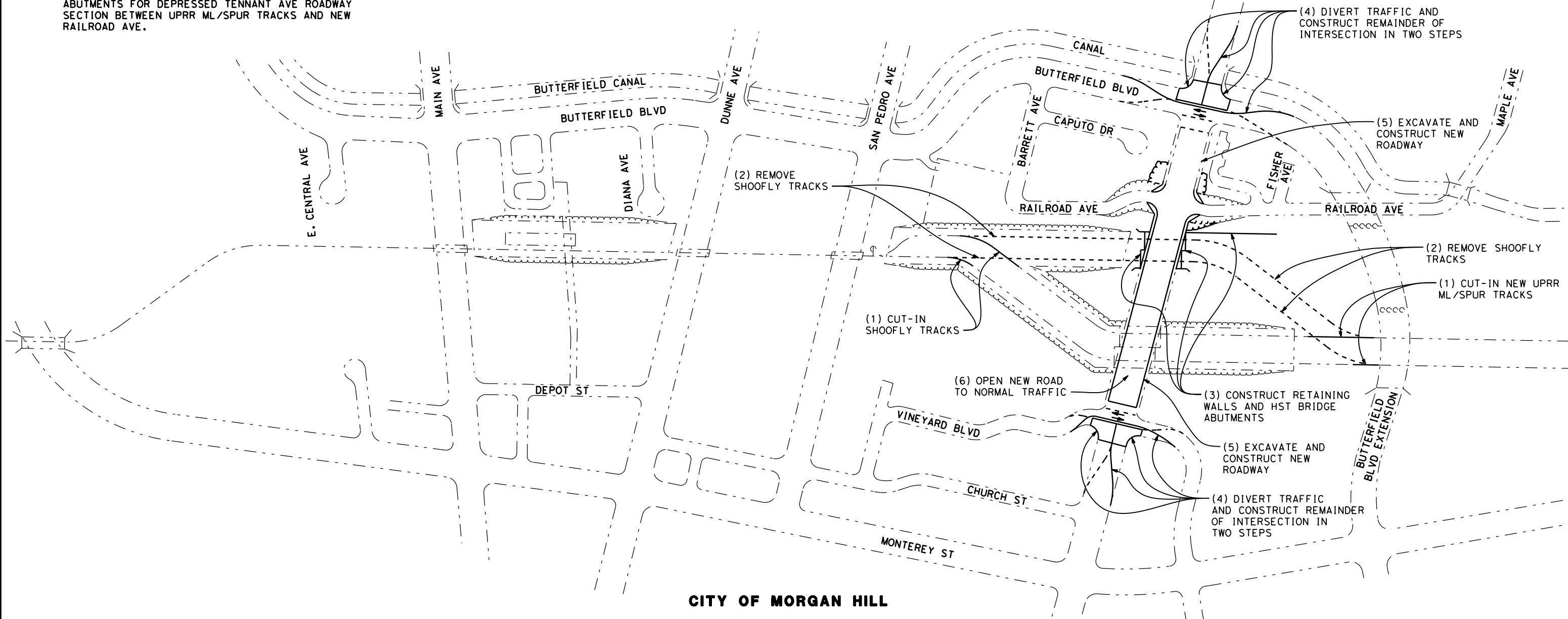
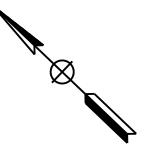
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PHASE 3 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CUT-IN UPRR MAIN LINE AND SPUR TRACKS AT SOUTH END AND UPRR SHOOFLY CROSSOVER TRACKS AT NORTH END ON TRAIN-FREE WEEKEND AND BEGIN UPRR/CALTRAIN OPERATIONS ON MAIN LINE AND SPUR TRACKS OVER NEW TENNANT AVE BRIDGE AND ON UPRR SHOOFLY CROSSOVER TRACKS.
- (2) REMOVE UPRR SHOOFLY TRACKS ACROSS TENNANT AVE AND BETWEEN SAN PEDRO AVE AND BUTTERFIELD BLVD EXTENSION.
- (3) CONSTRUCT RETAINING WALLS AND HST BRIDGE ABUTMENTS FOR DEPRESSED TENNANT AVE ROADWAY SECTION BETWEEN UPRR ML/SPUR TRACKS AND NEW RAILROAD AVE.
- (4) DIVERT TRAFFIC AT BUTTERFIELD BLVD, VINEYARD BLVD, AND TENNANT AVE INTERSECTIONS TO ONE LANE EACH WAY AND CONSTRUCT SECOND HALF OF LOWERED INTERSECTION WITH TENNANT AVE IN TWO ONE-QUARTER INTERSECTION CONSTRUCTION STEPS.
- (5) EXCAVATE DEPRESSION AND CONSTRUCT NEW TENNANT AVE ROADWAY.
- (6) OPEN NEW TENNANT AVE ROADWAY TO NORMAL TRAFFIC FLOW.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 184 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 3
DOWNTOWN MORGAN HILL

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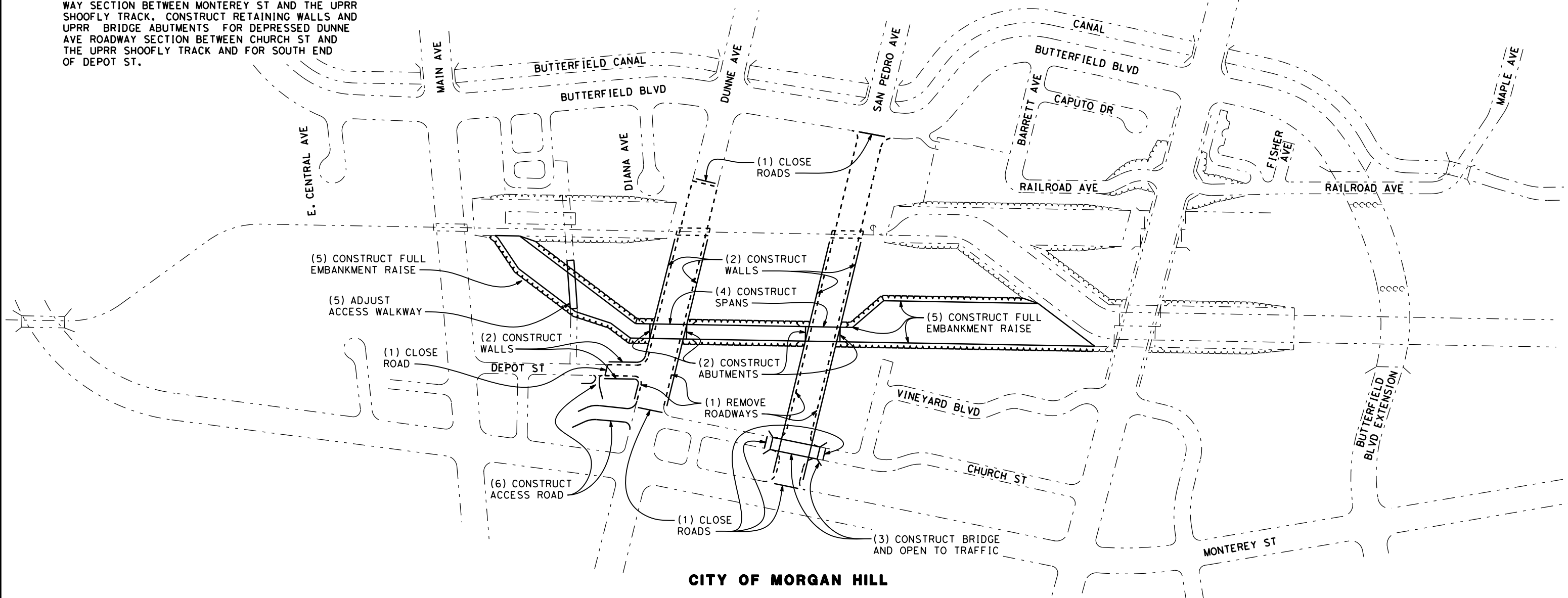
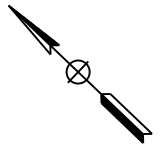
PHASE 4 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CLOSE SAN PEDRO AVE AT MONTEREY ST AND BUTTERFIELD BLVD FOR EXTENDED PERIOD. CLOSE DUNNE AVE AT CHURCH ST AND HOUSING COMPLEX ENTRANCE BETWEEN UPRR TRACKS AND BUTTERFIELD BLVD FOR EXTENDED PERIOD. DETOUR SAN PEDRO AND DUNNE TRAFFIC TO MAIN AVE AND TENNANT AVE. CLOSE CHURCH ST EACH SIDE OF SAN PEDRO AVE. CLOSE DEPOT ST NORTH OF DUNNE AVE AND REMOVE SHORT SEGMENT. REMOVE DUNNE AVE AND SAN PEDRO AVE ROADWAY SEGMENTS BETWEEN ROADWAY CLOSURE POINTS.
- (2) CONSTRUCT RETAINING WALLS AND UPRR BRIDGE ABUTMENTS FOR DEPRESSED SAN PEDRO AVE ROADWAY SECTION BETWEEN MONTEREY ST AND THE UPRR SHOOFLY TRACK. CONSTRUCT RETAINING WALLS AND UPRR BRIDGE ABUTMENTS FOR DEPRESSED DUNNE AVE ROADWAY SECTION BETWEEN CHURCH ST AND THE UPRR SHOOFLY TRACK AND FOR SOUTH END OF DEPOT ST.

- (3) CONSTRUCT CHURCH ST BRIDGE OVER SAN PEDRO AVE AND OPEN CHURCH ST TO TRAFFIC.
- (4) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR MAIN LINE TRACK BRIDGES AT SAN PEDRO AND DUNNE AVE.
- (5) CONSTRUCT FULL UPRR EMBANKMENT RAISE BETWEEN DUNNE AVE AND TENNANT AVE AND FOR THE UPRR SHOOFLY CROSSOVER TRACK BETWEEN MAIN AVE AND DUNNE AVE. ADJUST CALTRAIN ACCESS WALKWAY.
- (6) CONSTRUCT DEPOT ST ACCESS ROAD TO COMMUNITY CENTER PARKING LOT.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 185 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 1
DOWNTOWN MORGAN HILL

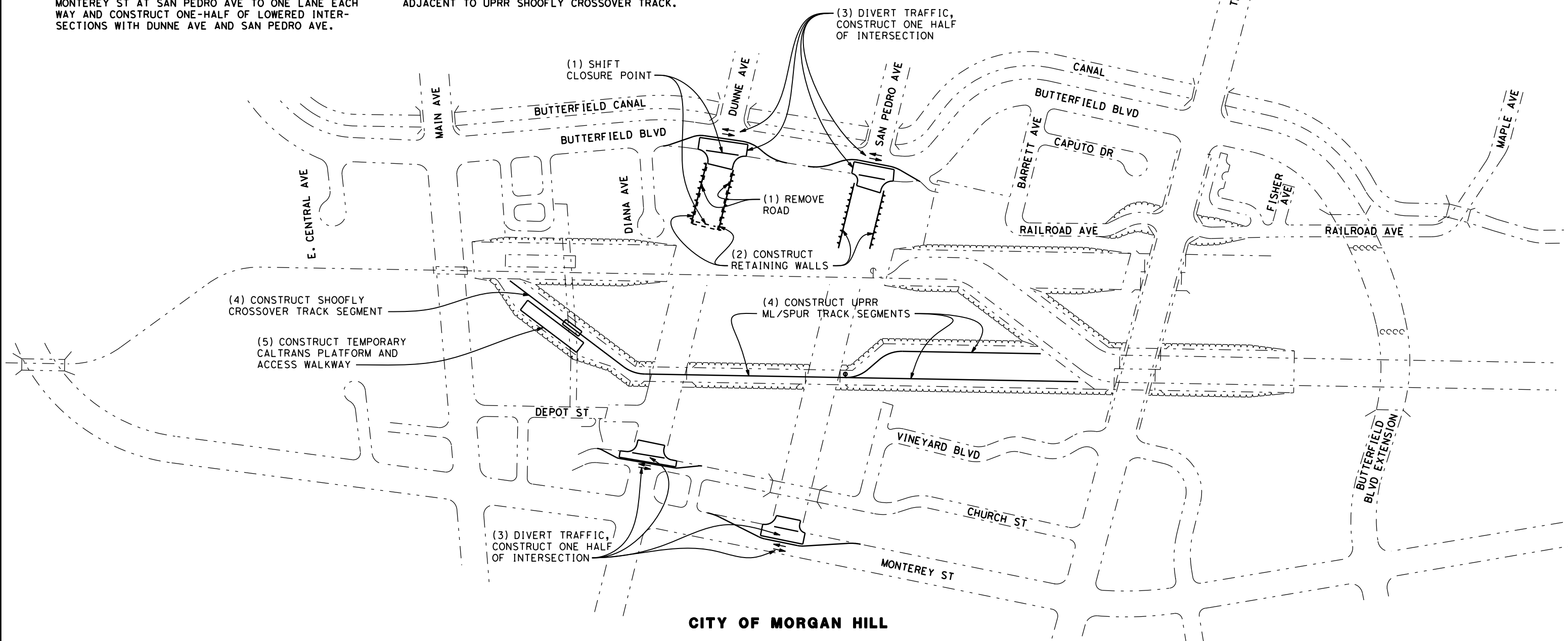
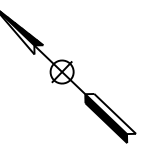
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PHASE 4 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) SHIFT DUNNE AVE CLOSURES TO JUST WEST OF BUTTERFIELD BLVD. REMOVE REMAINING DUNNE AVE ROADWAY SEGMENTS WEST OF BUTTERFIELD BLVD.
- (2) CONSTRUCT RETAINING WALLS FOR DEPRESSED DUNNE AVE AND SAN PEDRO AVE BETWEEN BUTTERFIELD AND UPRR SHOOFLY TRACKS.
- (3) DIVERT TRAFFIC ON BUTTERFIELD BLVD AND CHURCH ST AT DUNNE AVE AND ON BUTTERFIELD BLVD AND MONTEREY ST AT SAN PEDRO AVE TO ONE LANE EACH WAY AND CONSTRUCT ONE-HALF OF LOWERED INTERSECTIONS WITH DUNNE AVE AND SAN PEDRO AVE.
- (4) CONSTRUCT UPRR MAIN LINE AND SPUR TRACK SEGMENTS ACROSS NEW DUNNE AVE AND SAN PEDRO AVE BRIDGES AND SOUTH TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS. CONSTRUCT UPRR SHOOFLY CROSSOVER TRACK FROM NEW DUNNE AVE BRIDGE NORTH TO NEAR TIE-IN POINT WITH UPRR SHOOFLY TRACK.
- (5) CONSTRUCT TEMPORARY GRADE CROSSING ON CALTRANS ACCESS WALKWAY AND TEMPORARY CALTRANS PLATFORM ADJACENT TO UPRR SHOOFLY CROSSOVER TRACK.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 186 OF 285**

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SAN JOSE TO MERCED
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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 2
DOWNTOWN MORGAN HILL

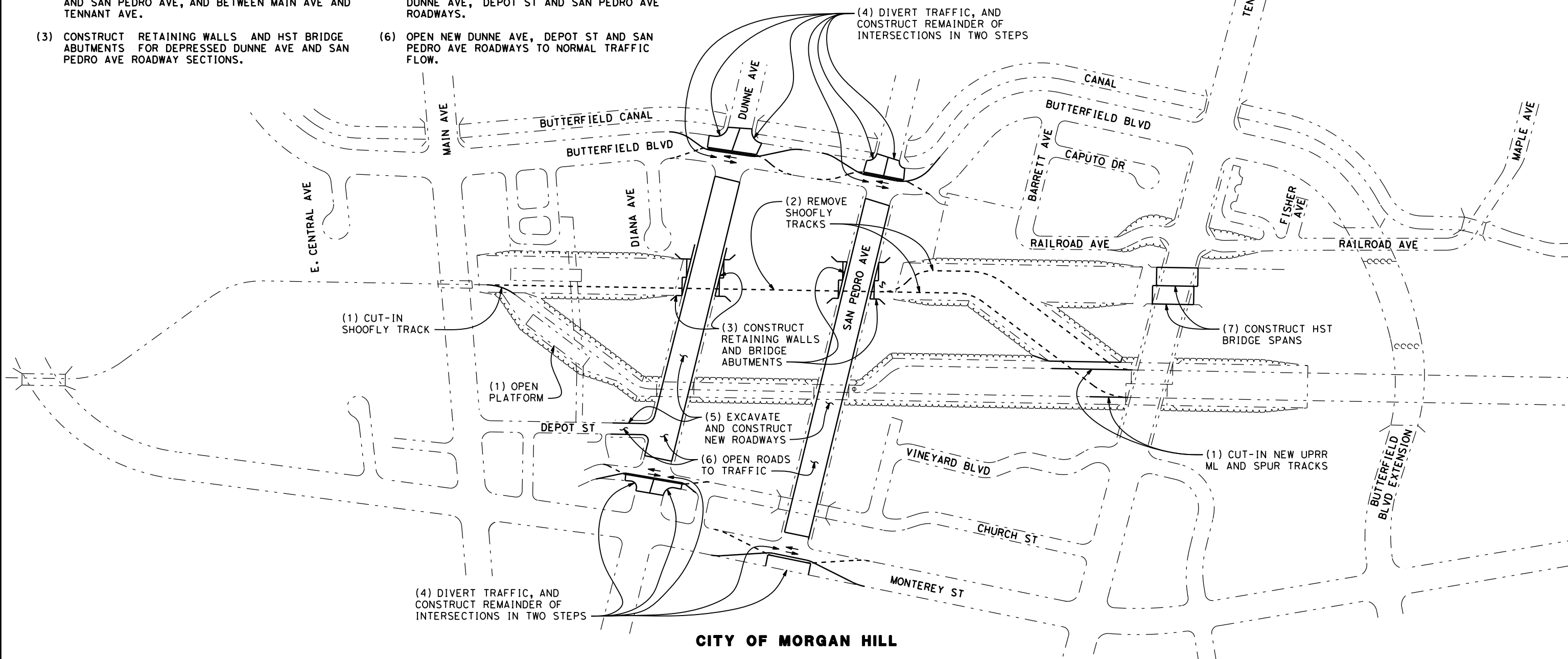
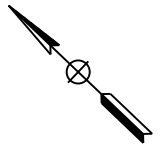
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PHASE 4 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CUT-IN UPRR MAIN LINE AND SPUR TRACKS AT SOUTH END AND UPRR SHOOFLY CROSSOVER TRACK AT NORTH END ON TRAIN-FREE WEEKEND. BEGIN UPRR/CALTRAIN OPERATIONS ON ML/SPUR TRACKS OVER NEW DUNNE AVE AND SAN PEDRO AVE BRIDGES AND ON UPRR SHOOFLY CROSSOVER TRACK. OPEN TEMPORARY CALTRAIN PLATFORM TO SERVICE.
- (2) REMOVE UPRR SHOOFLY TRACKS ACROSS DUNNE AVE AND SAN PEDRO AVE, AND BETWEEN MAIN AVE AND TENNANT AVE.
- (3) CONSTRUCT RETAINING WALLS AND HST BRIDGE ABUTMENTS FOR DEPRESSED DUNNE AVE AND SAN PEDRO AVE ROADWAY SECTIONS.
- (4) DIVERT TRAFFIC ON BUTTERFIELD BLVD, MONTEREY ST, CHURCH ST, DUNNE AVE, AND SAN PEDRO AVE INTERSECTIONS TO ONE LANE EACH WAY. CONSTRUCT SECOND HALF OF LOWERED INTERSECTION WITH DUNNE AVE AND SAN PEDRO AVE IN TWO ONE-QUARTER INTERSECTION CONSTRUCTION STEPS.
- (5) EXCAVATE DEPRESSION AND CONSTRUCT NEW DUNNE AVE, DEPOT ST AND SAN PEDRO AVE ROADWAYS.
- (6) OPEN NEW DUNNE AVE, DEPOT ST AND SAN PEDRO AVE ROADWAYS TO NORMAL TRAFFIC FLOW.
- (7) CONSTRUCT THE SUPERSTRUCTURES FOR THE HST BRIDGES OVER TENNANT AVE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



CITY OF MORGAN HILL

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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 187 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 3
DOWNTOWN MORGAN HILL

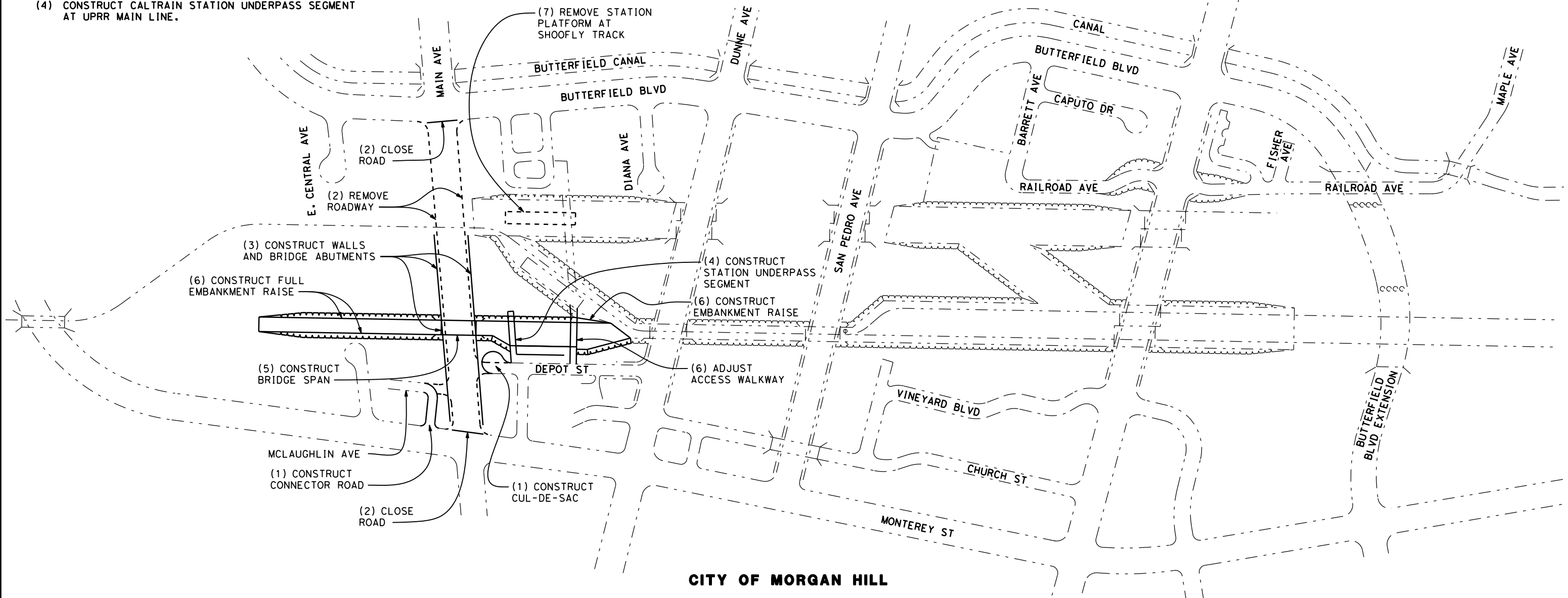
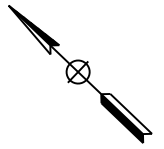
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PHASE 5 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT McLAUGHLIN AVE CONNECTOR ROAD TO MONTEREY ST. CLOSE DEPOT ST AT MAIN AVE AND CONSTRUCT CUL-DE-SAC.
- (2) CLOSE MAIN AVE AT MONTEREY ST AND BUTTERFIELD BLVD FOR EXTENDED PERIOD. DETOUR MAIN AVE TRAFFIC TO DUNNE AVE. REMOVE MAIN AVE ROADWAY BETWEEN BUTTERFIELD AND MONTEREY.
- (3) CONSTRUCT RETAINING WALLS AND UPRR BRIDGE ABUTMENTS FOR DEPRESSED MAIN AVE ROADWAY SECTION BETWEEN MONTEREY ST AND THE UPRR SHOOFLY TRACK.
- (4) CONSTRUCT CALTRAIN STATION UNDERPASS SEGMENT AT UPRR MAIN LINE.
- (5) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR MAIN LINE TRACK BRIDGE AT MAIN AVE.
- (6) CONSTRUCT FULL UPRR ENBANKMENT RAISE BETWEEN MAIN AVE AND DUNNE AVE AND NORTH OF MAIN AVE. ADJUST CALTRAIN ACCESS WALKWAY.
- (7) REMOVE CALTRAIN STATION PLATFORM AT UPRR SHOOFLY TRACK.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL



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ALTERNATIVE 2
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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 1
DOWNTOWN MORGAN HILL

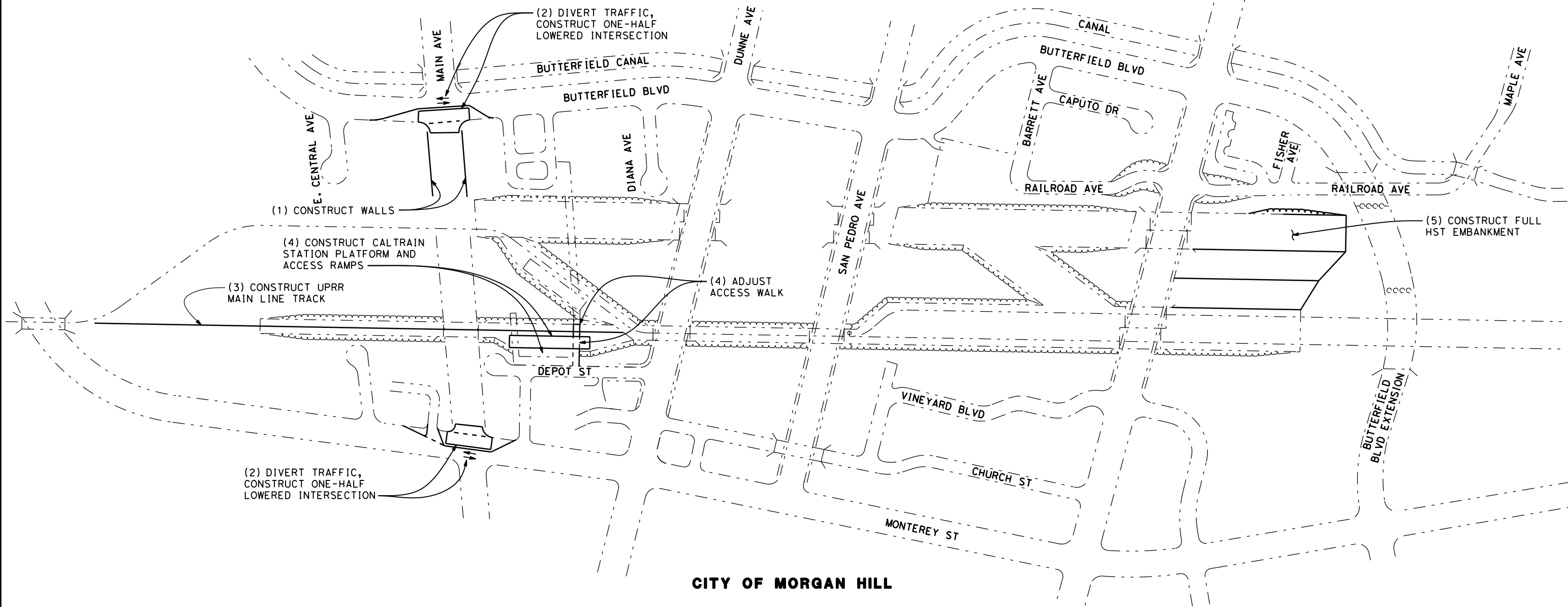
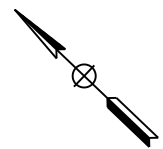
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PHASE 5 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT RETAINING WALLS FOR DEPRESSED MAIN AVE BETWEEN BUTTERFIELD BLVD AND UPRR SHOOFLY TRACKS.
- (2) DIVERT TRAFFIC ON BUTTERFIELD BLVD AND MONTEREY ST TO ONE LANE EACH WAY AND CONSTRUCT ONE-HALF OF LOWERED INTERSECTIONS WITH MAIN AVE.
- (3) CONSTRUCT UPRR MAIN LINE TRACK SEGMENT ACROSS NEW MAIN AVE BRIDGE AND NORTH AND SOUTH TO NEAR TIE-IN POINTS WITH EXISTING UPRR MAIN LINE TRACKS.
- (4) CONSTRUCT PERMANENT CALTRAIN STATION PLATFORM AND ACCESS RAMPS ON WEST SIDE OF UPRR MAIN LINE TRACK. ADJUST TEMPORARY ACCESS WALKWAY.
- (5) CONSTRUCT FULL HST EMBANKMENT ON THE SOUTH APPROACH OF THE HST TENNANT AVE BRIDGE.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

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**SAN JOSE TO CVY EIR/S: VOLUME III
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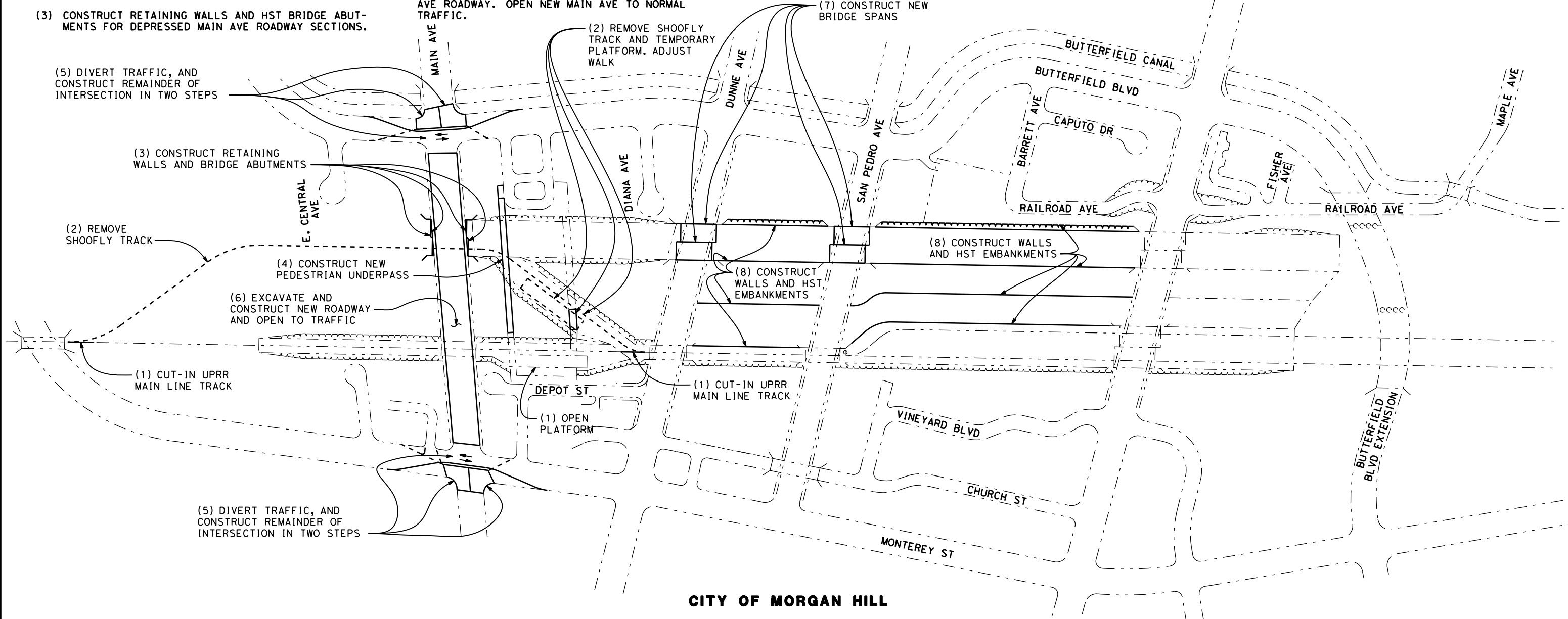
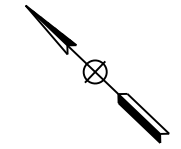
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PHASE 5 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CUT-IN UPRR MAIN LINE TRACK AT NORTH END NEAR MONTEREY ST AND AT SOUTH END NEAR DUNNE AVE ON TRAIN-FREE WEEKEND. BEGIN UPRR/CALTRAIN OPERATIONS ON MAIN LINE TRACK OVER NEW MAIN AVE BRIDGE. OPEN NEW PERMANENT CALTRAIN PLATFORM TO SERVICE.
- (2) REMOVE UPRR SHOOFLY TRACK ACROSS MAIN AVE AND BETWEEN MONTEREY ST AND DUNNE AVE. REMOVE TEMPORARY CALTRAIN STATION PLATFORM AT UPRR SHOOFLY CROSSOVER TRACK. ADJUST TEMPORARY CALTRAIN WALKWAY.
- (3) CONSTRUCT RETAINING WALLS AND HST BRIDGE ABUTMENTS FOR DEPRESSED MAIN AVE ROADWAY SECTIONS.
- (4) CONSTRUCT CALTRAIN STATION PEDESTRIAN UNDERPASS EASTSIDE EXTENSION UNDER HST AND OPEN FOR SERVICE.
- (5) DIVERT ROADWAY TRAFFIC ON BUTTERFIELD BLVD AND MONTEREY ST AT MAIN AVE INTERSECTIONS TO ONE LANE EACH WAY AND CONSTRUCT SECOND HALF OF LOWERED INTERSECTIONS WITH MAIN AVE IN TWO ONE-QUARTER INTERSECTION CONSTRUCTION STEPS.
- (6) EXCAVATE DEPRESSION AND CONSTRUCT NEW MAIN AVE ROADWAY. OPEN NEW MAIN AVE TO NORMAL TRAFFIC.
- (7) CONSTRUCT THE SUPERSTRUCTURES FOR THE HST BRIDGES OVER DUNNE AVE AND SAN PEDRO AVE.
- (8) CONSTRUCT EAST SIDE RETAINING WALLS AND FULL HST ENBANKMENT BETWEEN DUNNE AVE AND TENNANT AVE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - REMOVAL



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CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 3
DOWNTOWN MORGAN HILL

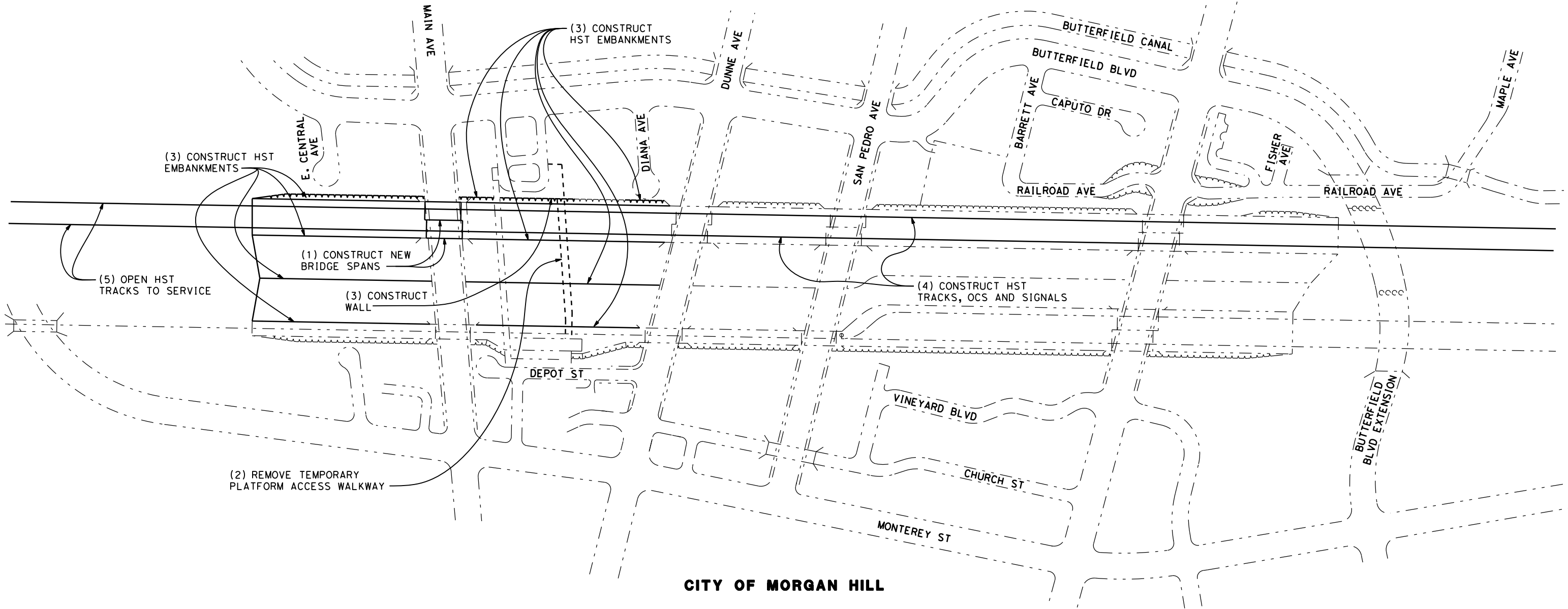
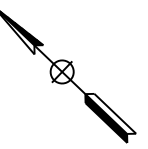
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10813
SCALE	AS SHOWN
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PHASE 6 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT THE BRIDGE SPANS FOR THE HST BRIDGES OVER MAIN AVE.
- (2) REMOVE TEMPORARY CALTAIN PLATFORM ACCESS WALKWAY.
- (3) CONSTRUCT EAST SIDE RETAINING WALL AT CALTRAIN STATION AND FULL HST EMBANKMENT NORTH OF MAIN AVE AND BETWEEN DUNNE AVE AND MAIN AVE.
- (4) CONSTRUCT HST SOUTHBOUND AND NORTHBOUND TRACKS, OCS AND SIGNAL SYSTEMS.
- (5) OPEN HST TRACKS TO SERVICE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
NOT TO SCALE

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 191 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 6
DOWNTOWN MORGAN HILL

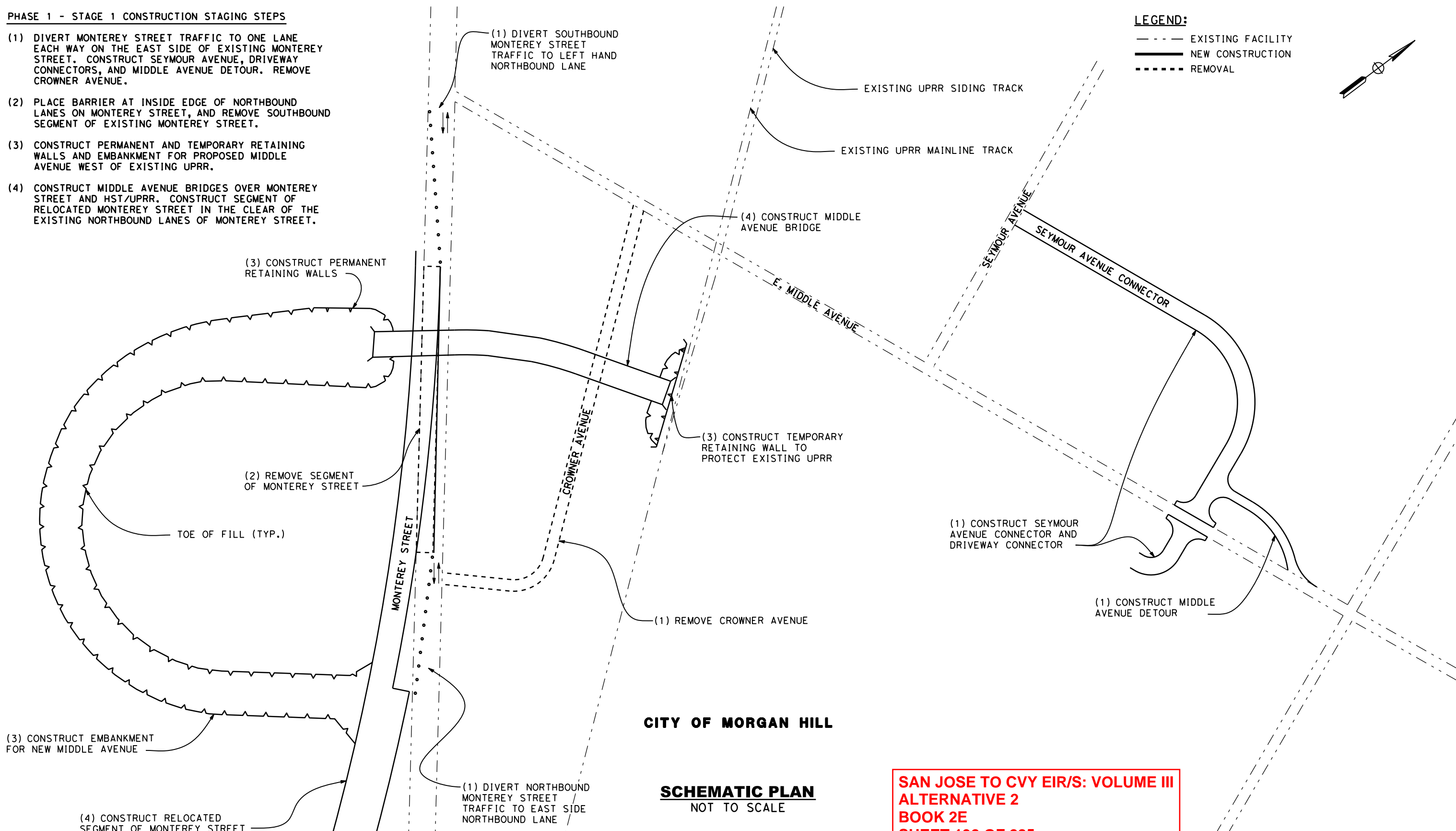
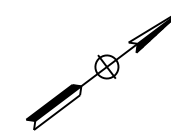
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-10814
SCALE	AS SHOWN
SHEET NO.	

PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) DIVERT MONTEREY STREET TRAFFIC TO ONE LANE EACH WAY ON THE EAST SIDE OF EXISTING MONTEREY STREET. CONSTRUCT SEYMOUR AVENUE, DRIVEWAY CONNECTORS, AND MIDDLE AVENUE DETOUR. REMOVE CROWNER AVENUE.
- (2) PLACE BARRIER AT INSIDE EDGE OF NORTHBOUND LANES ON MONTEREY STREET, AND REMOVE SOUTHBOUND SEGMENT OF EXISTING MONTEREY STREET.
- (3) CONSTRUCT PERMANENT AND TEMPORARY RETAINING WALLS AND EMBANKMENT FOR PROPOSED MIDDLE AVENUE WEST OF EXISTING UPRR.
- (4) CONSTRUCT MIDDLE AVENUE BRIDGES OVER MONTEREY STREET AND HST/UPRR. CONSTRUCT SEGMENT OF RELOCATED MONTEREY STREET IN THE CLEAR OF THE EXISTING NORTHBOUND LANES OF MONTEREY STREET.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 192 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
MIDDLE AVENUE GRADE SEPARATION

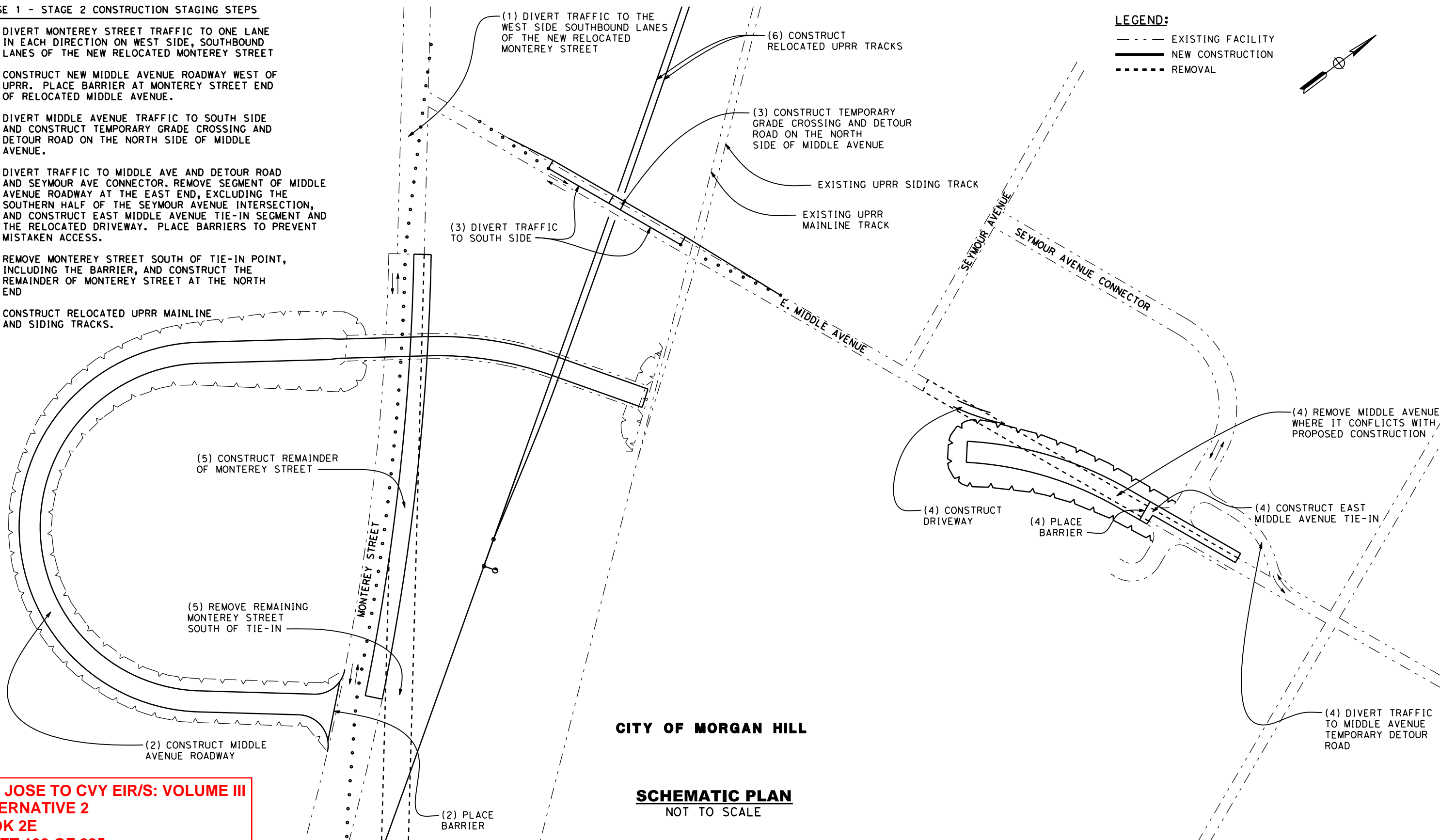
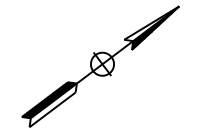
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PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) DIVERT MONTEREY STREET TRAFFIC TO ONE LANE IN EACH DIRECTION ON WEST SIDE, SOUTHBOUND LANES OF THE NEW RELOCATED MONTEREY STREET
- (2) CONSTRUCT NEW MIDDLE AVENUE ROADWAY WEST OF UPRR. PLACE BARRIER AT MONTEREY STREET END OF RELOCATED MIDDLE AVENUE.
- (3) DIVERT MIDDLE AVENUE TRAFFIC TO SOUTH SIDE AND CONSTRUCT TEMPORARY GRADE CROSSING AND DETOUR ROAD ON THE NORTH SIDE OF MIDDLE AVENUE.
- (4) DIVERT TRAFFIC TO MIDDLE AVE AND DETOUR ROAD AND SEYMOUR AVE CONNECTOR. REMOVE SEGMENT OF MIDDLE AVENUE ROADWAY AT THE EAST END, EXCLUDING THE SOUTHERN HALF OF THE SEYMOUR AVENUE INTERSECTION, AND CONSTRUCT EAST MIDDLE AVENUE TIE-IN SEGMENT AND THE RELOCATED DRIVEWAY. PLACE BARRIERS TO PREVENT MISTAKEN ACCESS.
- (5) REMOVE MONTEREY STREET SOUTH OF TIE-IN POINT, INCLUDING THE BARRIER, AND CONSTRUCT THE REMAINDER OF MONTEREY STREET AT THE NORTH END
- (6) CONSTRUCT RELOCATED UPRR MAINLINE AND SIDING TRACKS.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF MORGAN HILL

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 193 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
MIDDLE AVENUE GRADE SEPARATION

CONTRACT NO.	HSR15-34
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SHEET NO.	

PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) OPEN COMPLETED MONTEREY STREET TO TRAFFIC.
- (2) RECONSTRUCT SOUTHWEST QUARTER OF MIDDLE AVENUE/ SEYMOUR AVENUE INTERSECTION, AND CONSTRUCT CUL-DE-SAC ON EXISTING MIDDLE AVENUE, JUST EAST OF SEYMOUR AVENUE.
- (3) DIVERT MIDDLE AVENUE TRAFFIC TO NORTH SIDE OF MIDDLE AVE
- (4) REMOVE MIDDLE AVENUE ROADWAY SEGMENT AND CONSTRUCT UPRR RELOCATED MAINLINE AND SPUR SEGMENTS SOUTH OF TEMPORARY MIDDLE AVENUE GRADE CROSSING AND DETOUR ROADWAY. TIE-IN ENDS OF RELOCATED UPRR MAINLINE AND SPUR TRACKS AND OPEN TO SERVICE.
- (5) REMOVE EXISTING UPRR MAINLINE AND SPUR TRACKS, AND CONSTRUCT RELOCATED MIDDLE AVENUE ROADWAY SEGMENT BETWEEN EXISTING UPRR AND EAST TIE-IN.

(1) REMOVE TRAFFIC RESTRICTIONS AND OPEN MONTEREY STREET TO NORMAL TRAFFIC FLOW

(4) TIE-IN RELOCATED UPRR AND OPEN TO SERVICE

(5) REMOVE EXISTING UPRR TRACKS

(4) CONSTRUCT RELOCATED UPRR SOUTH OF TEMPORARY GRADE CROSSING

(4) REMOVE MIDDLE AVENUE ROADWAY SEGMENT

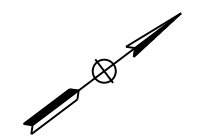
(2) CONSTRUCT CUL-DE-SAC

(2) RECONSTRUCT QUARTER OF INTERSECTION

(5) CONSTRUCT REMAINING SEGMENT OF MIDDLE AVENUE ROADWAY

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 194 OF 285**

CITY OF MORGAN HILL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
MIDDLE AVENUE GRADE SEPARATION

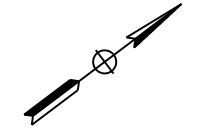
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PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS

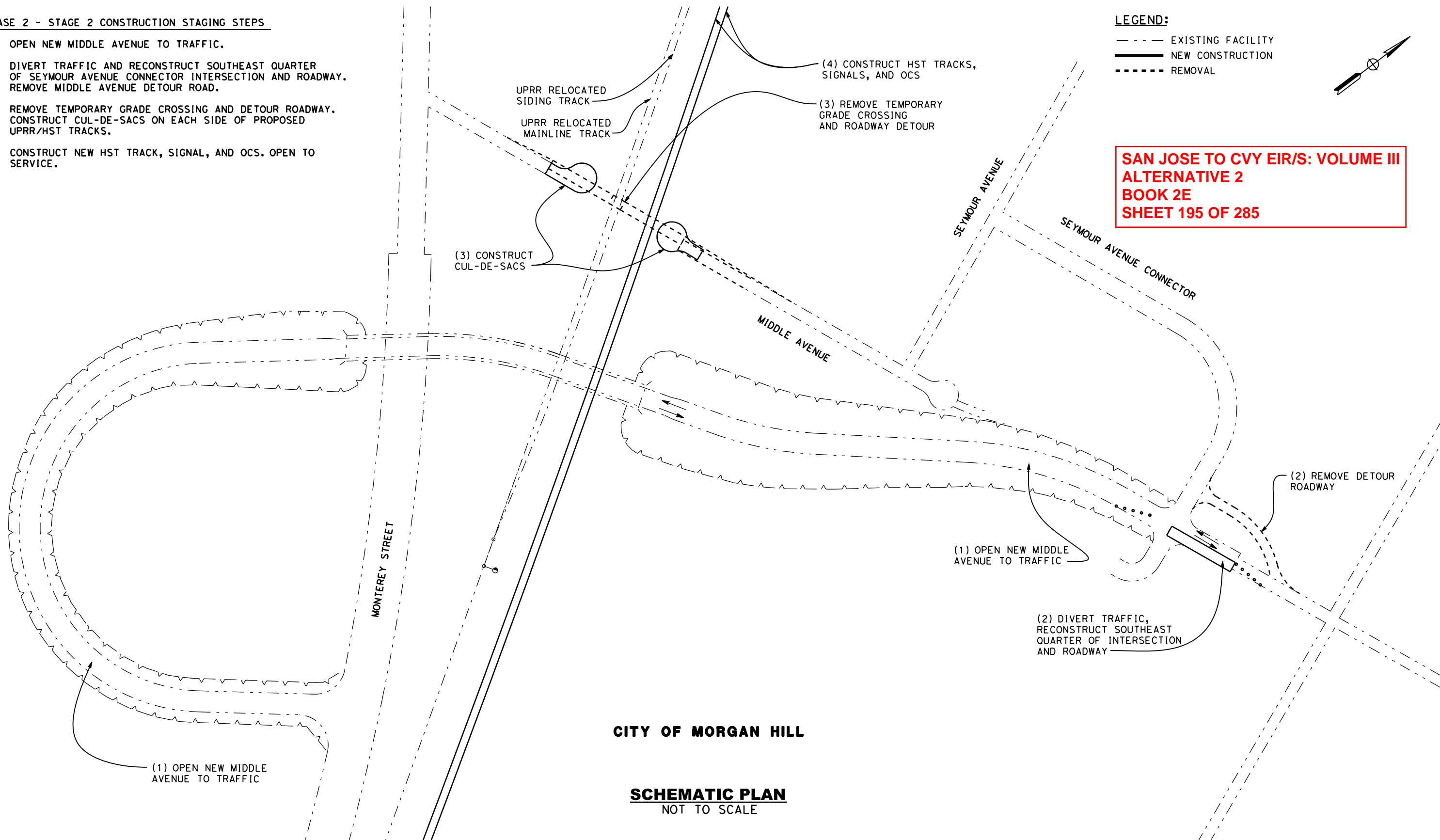
- (1) OPEN NEW MIDDLE AVENUE TO TRAFFIC.
- (2) DIVERT TRAFFIC AND RECONSTRUCT SOUTHEAST QUARTER OF SEYMOUR AVENUE CONNECTOR INTERSECTION AND ROADWAY. REMOVE MIDDLE AVENUE DETOUR ROAD.
- (3) REMOVE TEMPORARY GRADE CROSSING AND DETOUR ROADWAY. CONSTRUCT CUL-DE-SACS ON EACH SIDE OF PROPOSED UPRR/HST TRACKS.
- (4) CONSTRUCT NEW HST TRACK, SIGNAL, AND OCS. OPEN TO SERVICE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 195 OF 285**



CITY OF MORGAN HILL

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CALIFORNIA
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2
MIDDLE AVENUE GRADE SEPARATION

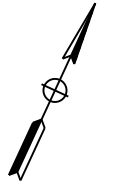
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DRAWING NO.	CV-10818
SCALE	AS SHOWN
SHEET NO.	

PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT WEST SIDE DETOUR LANES AND DIVERT MONTEREY STREET TRAFFIC TO ONE LANE EACH WAY AT WEST SIDE. REMOVE EXISTING MONTEREY ROAD PAVEMENT ON EAST SIDE.
- (2) PLACE TEMPORARY SHORING WALL JUST EAST OF MONTEREY STREET DETOUR AND WEST OF UPRR MAIN LINE TRACK.
- (3) CONSTRUCT PERMANENT SAN MARTIN AVENUE RETAINING WALLS BETWEEN TEMPORARY SHORING WALLS, EAST HALF OF MONTEREY STREET BRIDGE AND UPRR BRIDGE.
- (4) CONSTRUCT PERMANENT SAN MARTIN AVENUE ROADWAY AND DETOUR SEGMENTS AT EAST AND WEST ENDS CLEAR OF EXISTING ROADWAY.
- (5) CONSTRUCT REALIGNED MONTEREY STREET ROADWAY SEGMENT NORTH OF BRIDGE SITE.
- (6) REMOVE EXISTING MONTEREY STREET/ROOSEVELT AVENUE INTERSECTION AND RECONSTRUCT.

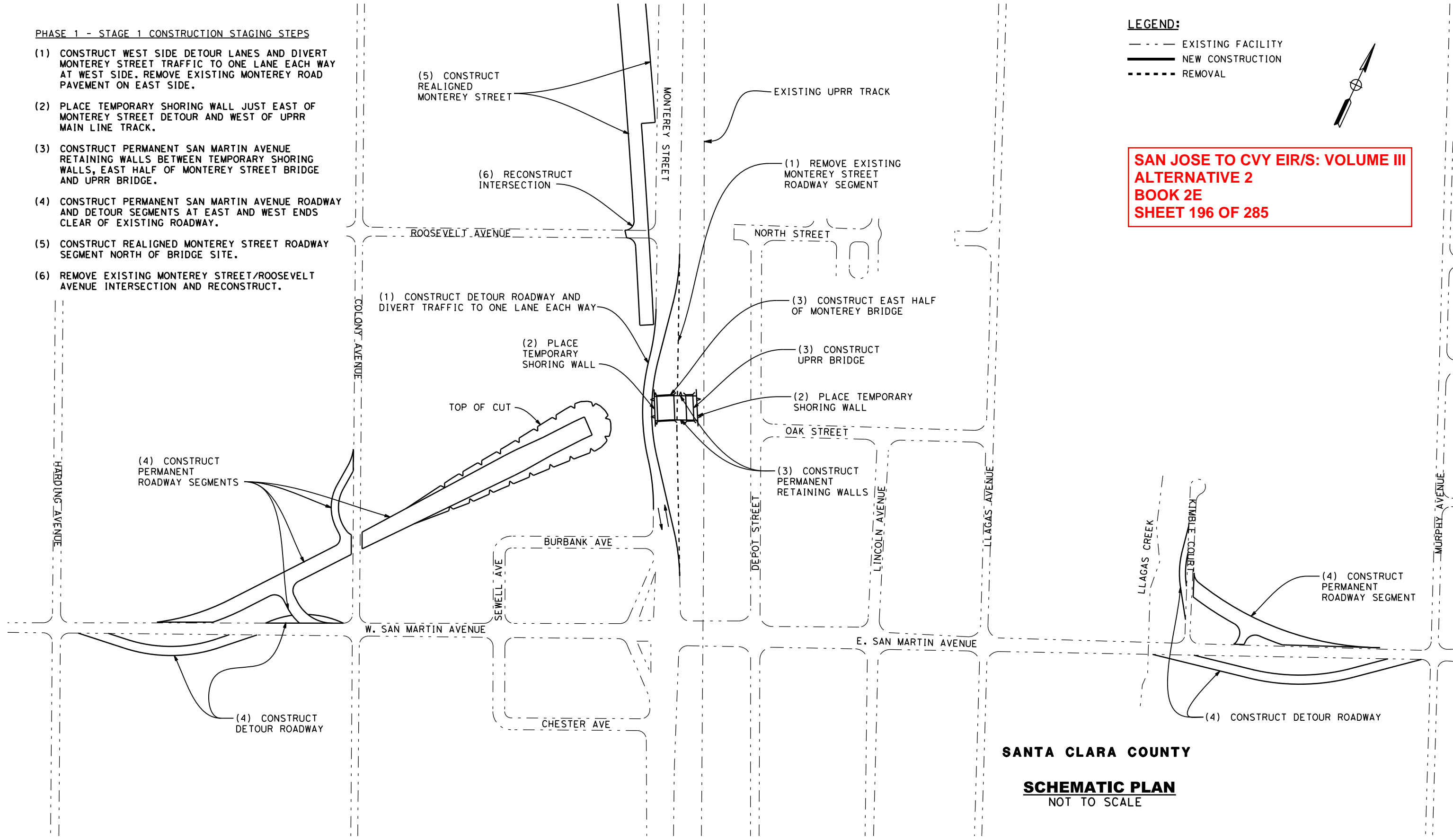
LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
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BOOK 2E
SHEET 196 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
SAN MARTIN AVENUE GRADE SEPARATION

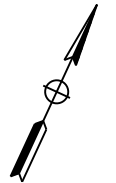
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PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

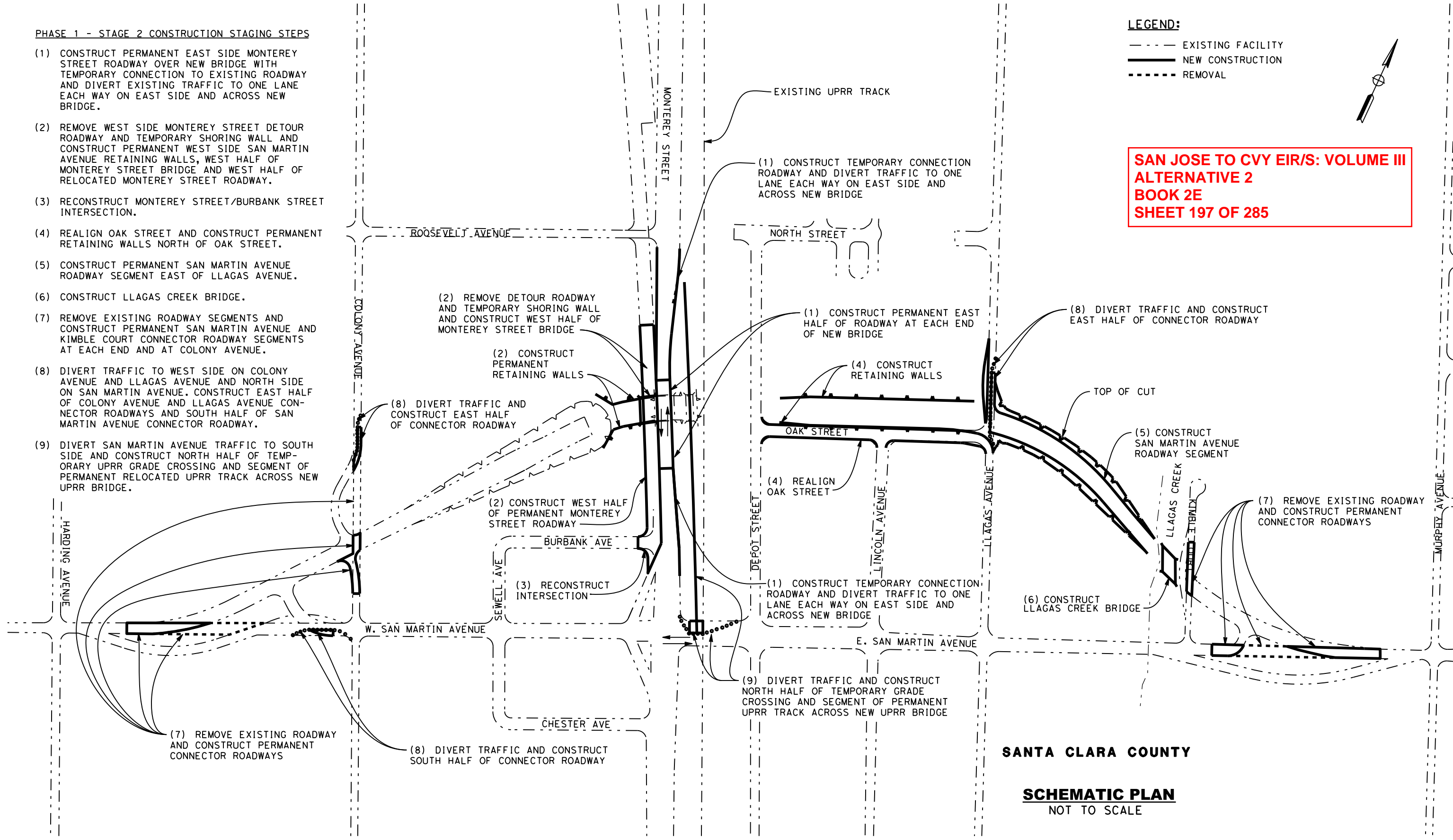
- (1) CONSTRUCT PERMANENT EAST SIDE MONTEREY STREET ROADWAY OVER NEW BRIDGE WITH TEMPORARY CONNECTION TO EXISTING ROADWAY AND DIVERT EXISTING TRAFFIC TO ONE LANE EACH WAY ON EAST SIDE AND ACROSS NEW BRIDGE.
- (2) REMOVE WEST SIDE MONTEREY STREET DETOUR ROADWAY AND TEMPORARY SHORING WALL AND CONSTRUCT PERMANENT WEST SIDE SAN MARTIN AVENUE RETAINING WALLS, WEST HALF OF MONTEREY STREET BRIDGE AND WEST HALF OF RELOCATED MONTEREY STREET ROADWAY.
- (3) RECONSTRUCT MONTEREY STREET/BURBANK STREET INTERSECTION.
- (4) REALIGN OAK STREET AND CONSTRUCT PERMANENT RETAINING WALLS NORTH OF OAK STREET.
- (5) CONSTRUCT PERMANENT SAN MARTIN AVENUE ROADWAY SEGMENT EAST OF LLAGAS AVENUE.
- (6) CONSTRUCT LLAGAS CREEK BRIDGE.
- (7) REMOVE EXISTING ROADWAY SEGMENTS AND CONSTRUCT PERMANENT SAN MARTIN AVENUE AND KIMBLE COURT CONNECTOR ROADWAY SEGMENTS AT EACH END AND AT COLONY AVENUE.
- (8) DIVERT TRAFFIC TO WEST SIDE ON COLONY AVENUE AND LLAGAS AVENUE AND NORTH SIDE ON SAN MARTIN AVENUE. CONSTRUCT EAST HALF OF COLONY AVENUE AND LLAGAS AVENUE CONNECTOR ROADWAYS AND SOUTH HALF OF SAN MARTIN AVENUE CONNECTOR ROADWAY.
- (9) DIVERT SAN MARTIN AVENUE TRAFFIC TO SOUTH SIDE AND CONSTRUCT NORTH HALF OF TEMPORARY UPRR GRADE CROSSING AND SEGMENT OF PERMANENT RELOCATED UPRR TRACK ACROSS NEW UPRR BRIDGE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 197 OF 285



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
SAN MARTIN AVENUE GRADE SEPARATION

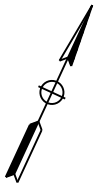
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PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) DIVERT TRAFFIC TO WEST HALF OF MONTEREY ST AND REMOVE EXISTING MONTEREY STREET ROADWAY ON EAST SIDE.
- (2) CONSTRUCT EAST SIDE ROADWAY SEGMENTS OF PERMANENT MONTEREY STREET AND OPEN REALIGNED MONTEREY STREET TO FULL TRAFFIC OPERATIONS.
- (3) DIVERT SAN MARTIN AVENUE TRAFFIC TO NORTH SIDE AND CONSTRUCT SOUTH HALF OF TEMPORARY UPRR GRADE CROSSING AND SEGMENT OF PERMANENT RELOCATED UPRR MAINLINE TRACK IN THE CLEAR SOUTH OF SAN MARTIN AVENUE.
- (4) CONSTRUCT REMAINING OF RELOCATED UPRR MAINLINE TRACK TO THE NORTH, CUT-IN EACH END ON TRAIN-FREE WEEKEND AND BEGIN OPERATIONS ON RELOCATED UPRR MAINLINE TRACK.
- (5) REMOVE EXISTING UPRR MAINLINE TRACK.
- (6) CONSTRUCT TEMPORARY DEPOT STREET DETOUR ROADWAY AND PLACE TEMPORARY SHORING WALL ON EACH SIDE.
- (7) CONSTRUCT PERMANENT RETAINING WALLS AT DEPOT STREET AND PROPOSED HST.
- (8) CONSTRUCT NEW HST AND DEPOT STREET BRIDGES. DIVERT DEPOT STREET TRAFFIC TO DETOUR ROADWAY AND CONSTRUCT NEW DEPOT STREET BRIDGE.
- (9) REMOVE KIMBLE COURT DETOUR ROADWAY AND CONSTRUCT NEW SAN MARTIN AVENUE ROADWAY SEGMENTS WEST OF KIMBLE COURT AND NORTH OF OAK STREET. OPEN EAST END OF NEW SAN MARTIN AVENUE TO SERVICE FOR ACCESS TO LLAGAS AVENUE.
- (10) CONSTRUCT PERMANENT RETAINING WALL SEGMENT AT LLAGAS AVENUE.
- (11) DIVERT TRAFFIC TO EAST SIDE ON COLONY AVENUE AND CONSTRUCT WEST HALF OF COLONY AVENUE CONNECTOR ROADWAY. DETOUR SAN MARTIN AVENUE TRAFFIC TO COLONY AVENUE AND CONSTRUCT NORTH HALF OF SAN MARTIN AVENUE CONNECTOR ROADWAY.

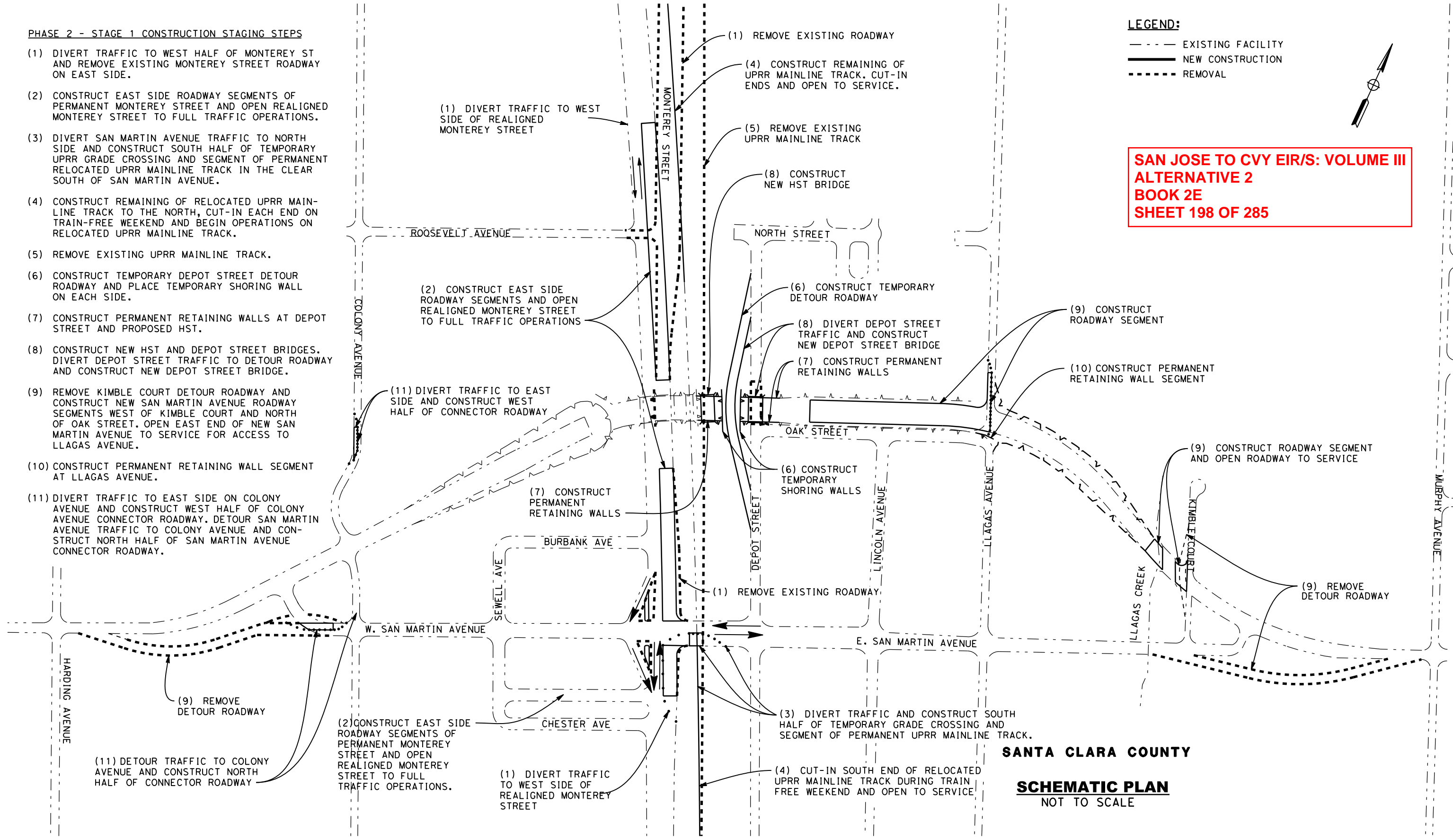
LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
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BOOK 2E
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SAN JOSE TO MERCED
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EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
SAN MARTIN AVENUE GRADE SEPARATION

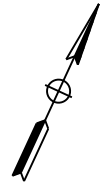
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PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS

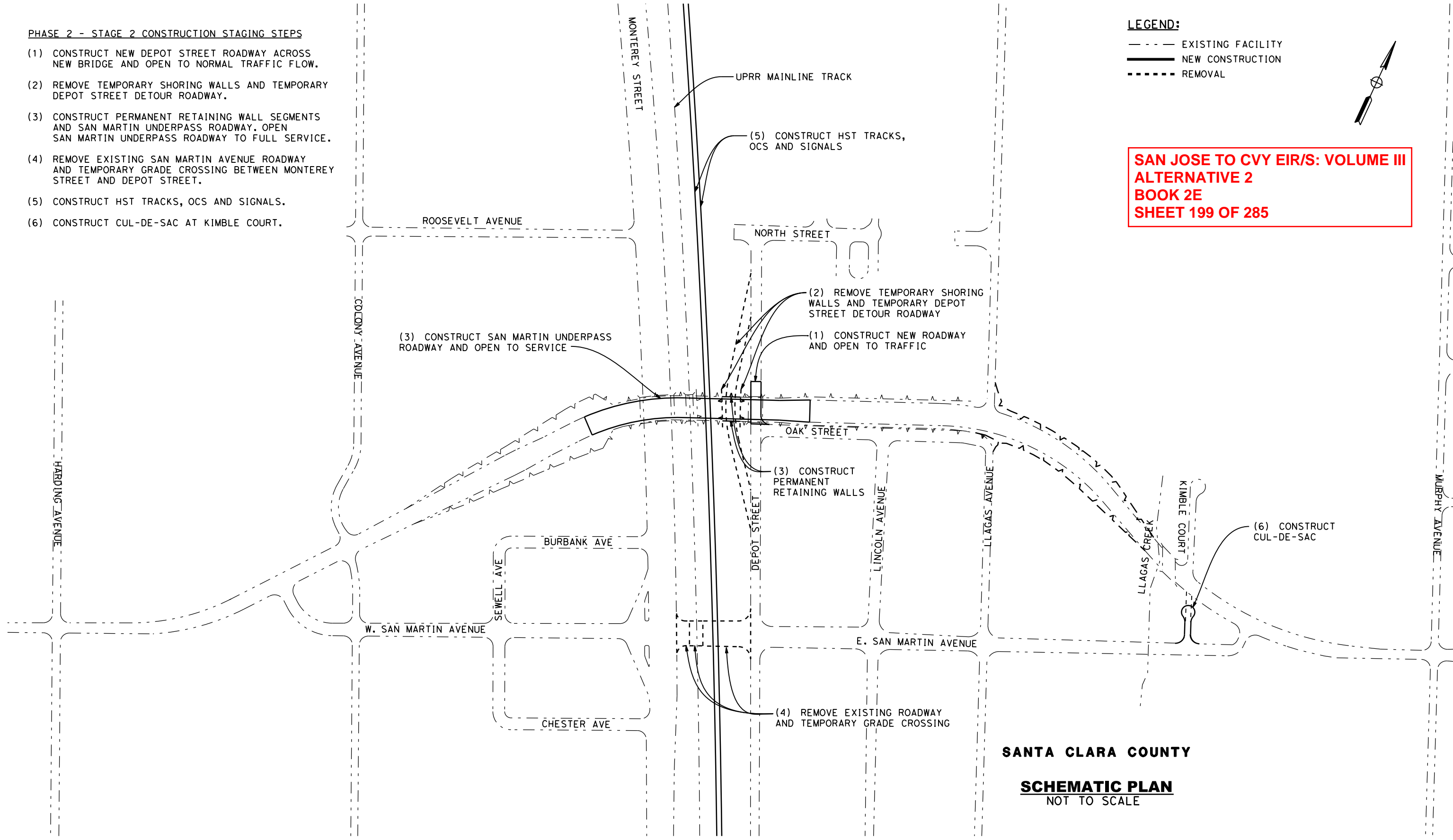
- (1) CONSTRUCT NEW DEPOT STREET ROADWAY ACROSS NEW BRIDGE AND OPEN TO NORMAL TRAFFIC FLOW.
- (2) REMOVE TEMPORARY SHORING WALLS AND TEMPORARY DEPOT STREET DETOUR ROADWAY.
- (3) CONSTRUCT PERMANENT RETAINING WALL SEGMENTS AND SAN MARTIN UNDERPASS ROADWAY. OPEN SAN MARTIN UNDERPASS ROADWAY TO FULL SERVICE.
- (4) REMOVE EXISTING SAN MARTIN AVENUE ROADWAY AND TEMPORARY GRADE CROSSING BETWEEN MONTEREY STREET AND DEPOT STREET.
- (5) CONSTRUCT HST TRACKS, OCS AND SIGNALS.
- (6) CONSTRUCT CUL-DE-SAC AT KIMBLE COURT.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 199 OF 285**



SANTA CLARA COUNTY

SCHEMATIC PLAN
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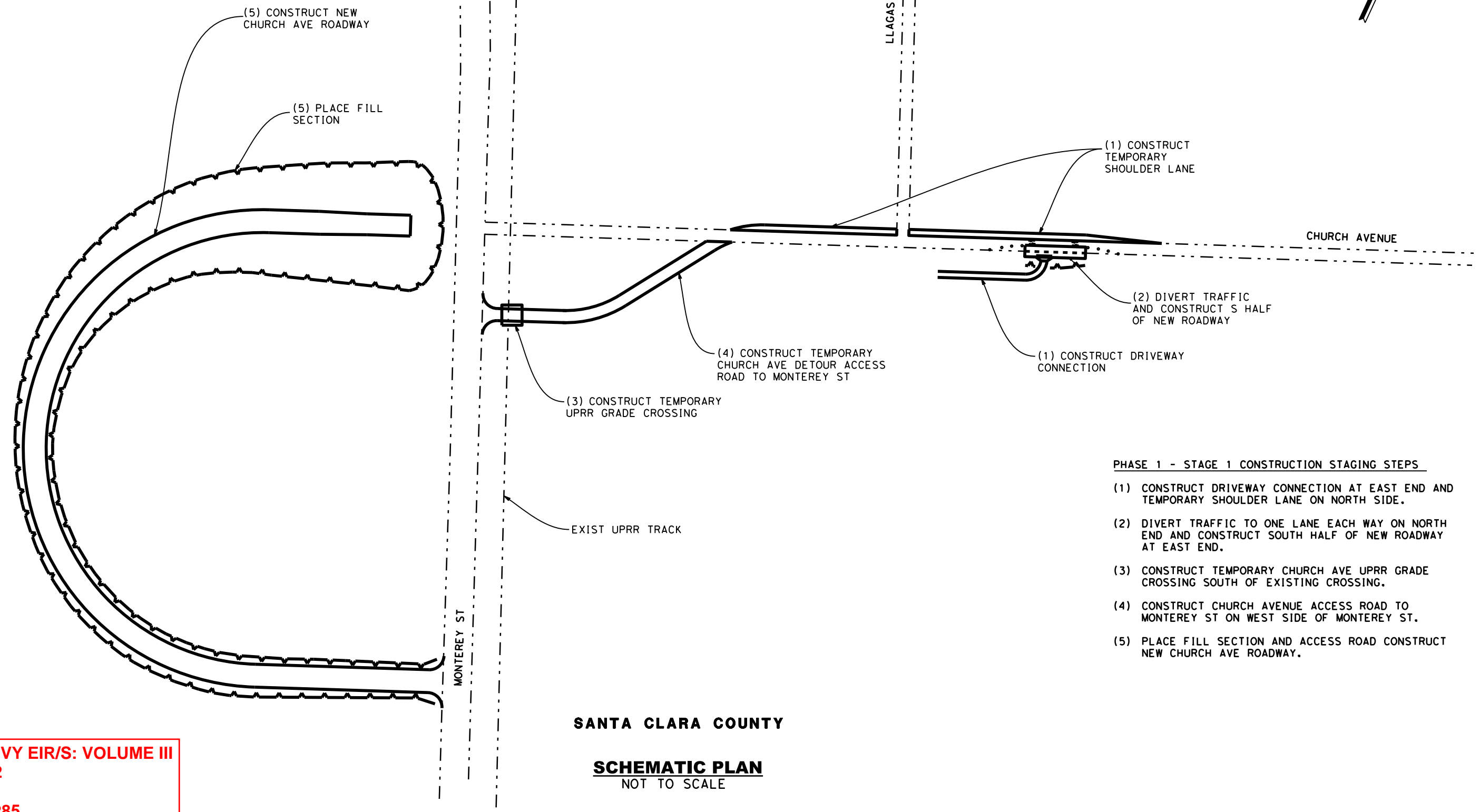


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2
SAN MARTIN AVENUE GRADE SEPARATION

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LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 - - - - - REMOVAL



- PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS**
- (1) CONSTRUCT DRIVEWAY CONNECTION AT EAST END AND TEMPORARY SHOULDER LANE ON NORTH SIDE.
 - (2) DIVERT TRAFFIC TO ONE LANE EACH WAY ON NORTH END AND CONSTRUCT SOUTH HALF OF NEW ROADWAY AT EAST END.
 - (3) CONSTRUCT TEMPORARY CHURCH AVE UPRR GRADE CROSSING SOUTH OF EXISTING CROSSING.
 - (4) CONSTRUCT CHURCH AVENUE ACCESS ROAD TO MONTEREY ST ON WEST SIDE OF MONTEREY ST.
 - (5) PLACE FILL SECTION AND ACCESS ROAD CONSTRUCT NEW CHURCH AVE ROADWAY.

**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 200 OF 285**

SANTA CLARA COUNTY
SCHMATIC PLAN
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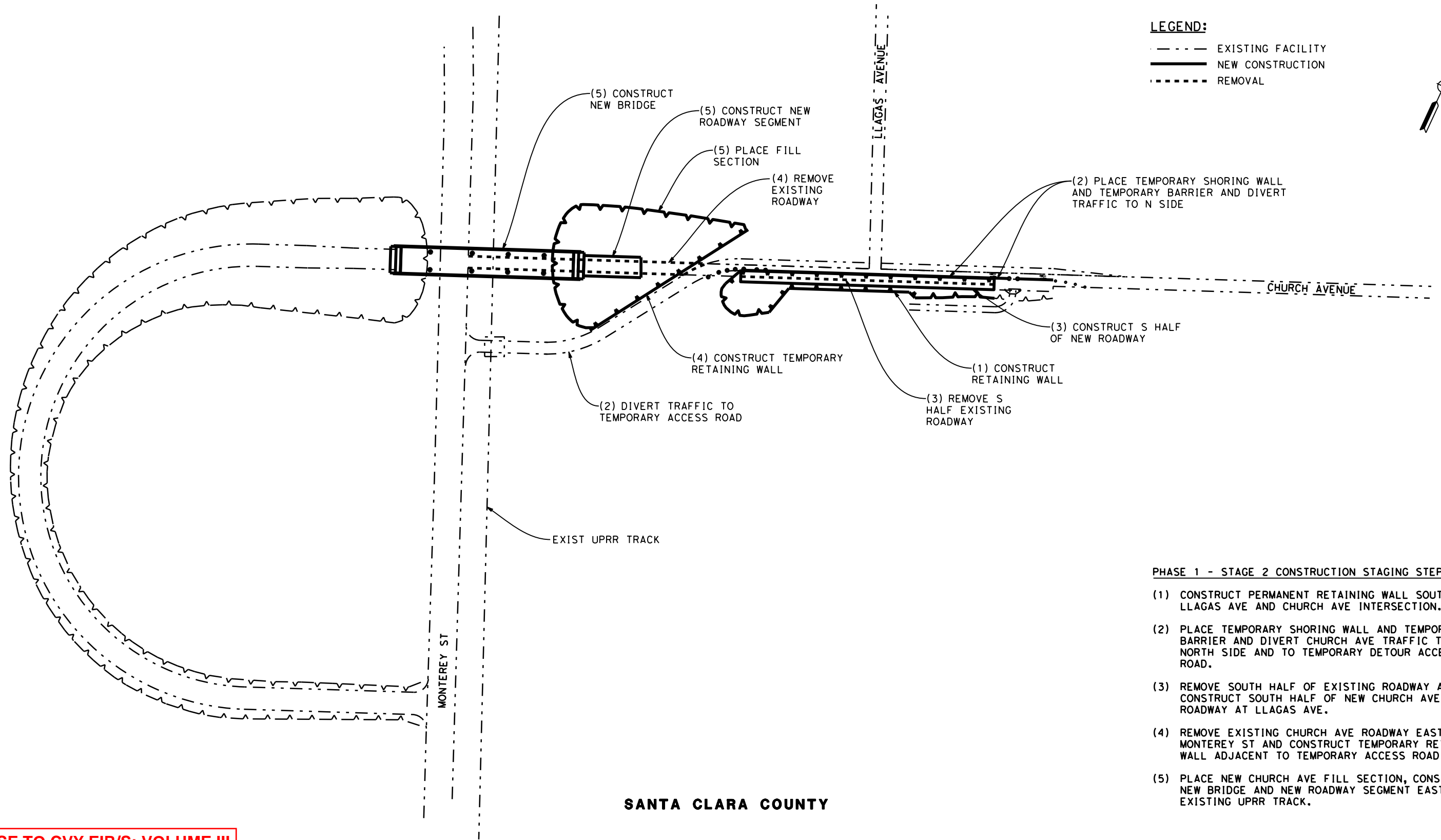
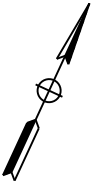
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
 CHURCH AVENUE GRADE SEPARATION

CONTRACT NO.
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- LEGEND:**
- - - - - EXISTING FACILITY
 - NEW CONSTRUCTION
 - · · · · REMOVAL



PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT PERMANENT RETAINING WALL SOUTH OF LLAGAS AVE AND CHURCH AVE INTERSECTION.
- (2) PLACE TEMPORARY SHORING WALL AND TEMPORARY BARRIER AND DIVERT CHURCH AVE TRAFFIC TO NORTH SIDE AND TO TEMPORARY DETOUR ACCESS ROAD.
- (3) REMOVE SOUTH HALF OF EXISTING ROADWAY AND CONSTRUCT SOUTH HALF OF NEW CHURCH AVE ROADWAY AT LLAGAS AVE.
- (4) REMOVE EXISTING CHURCH AVE ROADWAY EAST OF MONTEREY ST AND CONSTRUCT TEMPORARY RETAINING WALL ADJACENT TO TEMPORARY ACCESS ROAD.
- (5) PLACE NEW CHURCH AVE FILL SECTION, CONSTRUCT NEW BRIDGE AND NEW ROADWAY SEGMENT EAST OF EXISTING UPRR TRACK.

SANTA CLARA COUNTY

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
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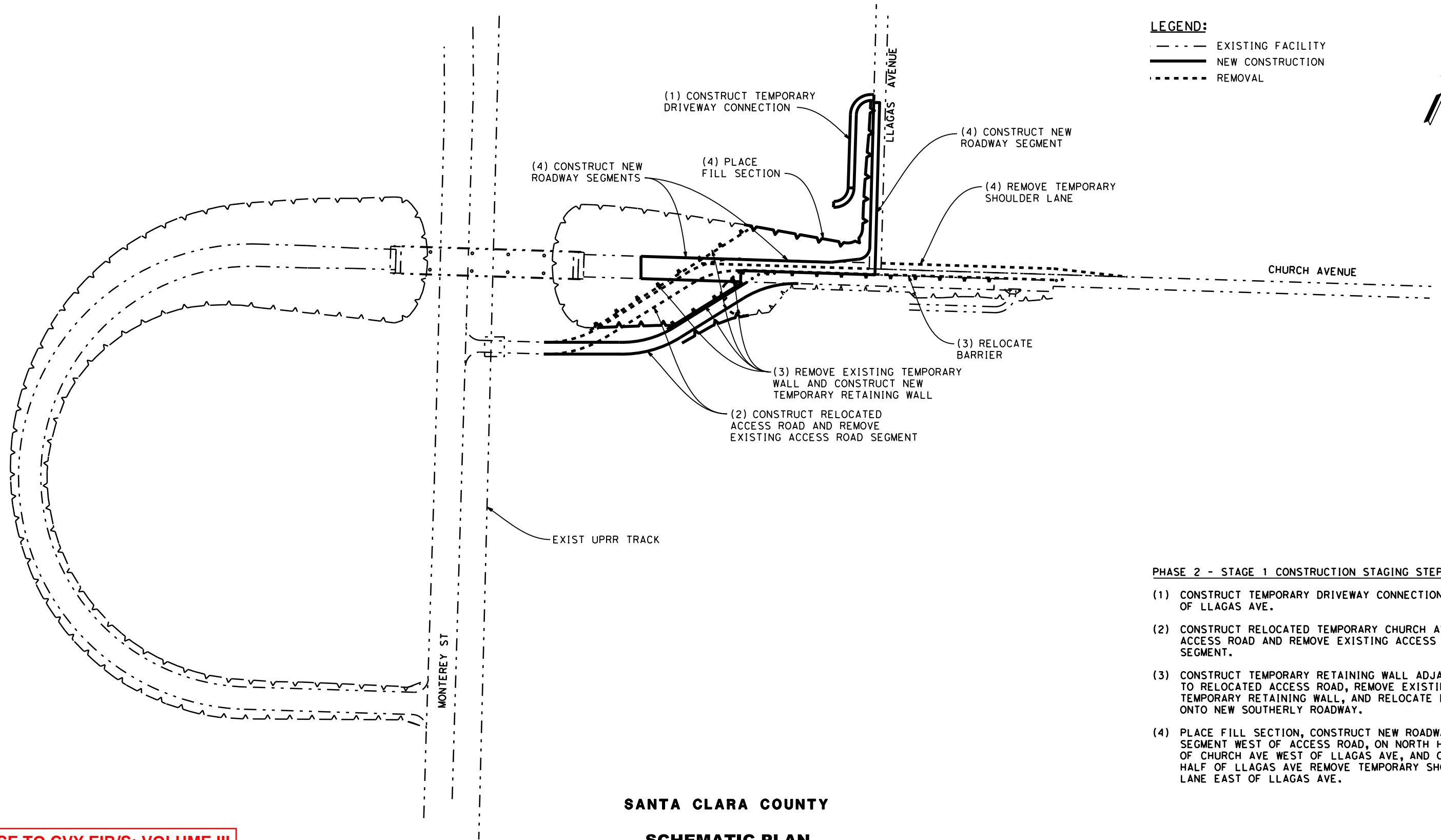
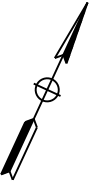
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CHURCH AVENUE GRADE SEPARATION

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LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 ······ REMOVAL



PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT TEMPORARY DRIVEWAY CONNECTION OFF OF LLAGAS AVE.
- (2) CONSTRUCT RELOCATED TEMPORARY CHURCH AVE ACCESS ROAD AND REMOVE EXISTING ACCESS ROAD SEGMENT.
- (3) CONSTRUCT TEMPORARY RETAINING WALL ADJACENT TO RELOCATED ACCESS ROAD, REMOVE EXISTING TEMPORARY RETAINING WALL, AND RELOCATE BARRIER ONTO NEW SOUTHERLY ROADWAY.
- (4) PLACE FILL SECTION, CONSTRUCT NEW ROADWAY SEGMENT WEST OF ACCESS ROAD, ON NORTH HALF OF CHURCH AVE WEST OF LLAGAS AVE, AND ON WEST HALF OF LLAGAS AVE REMOVE TEMPORARY SHOULDER LANE EAST OF LLAGAS AVE.

SANTA CLARA COUNTY

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 ALTERNATIVE 2
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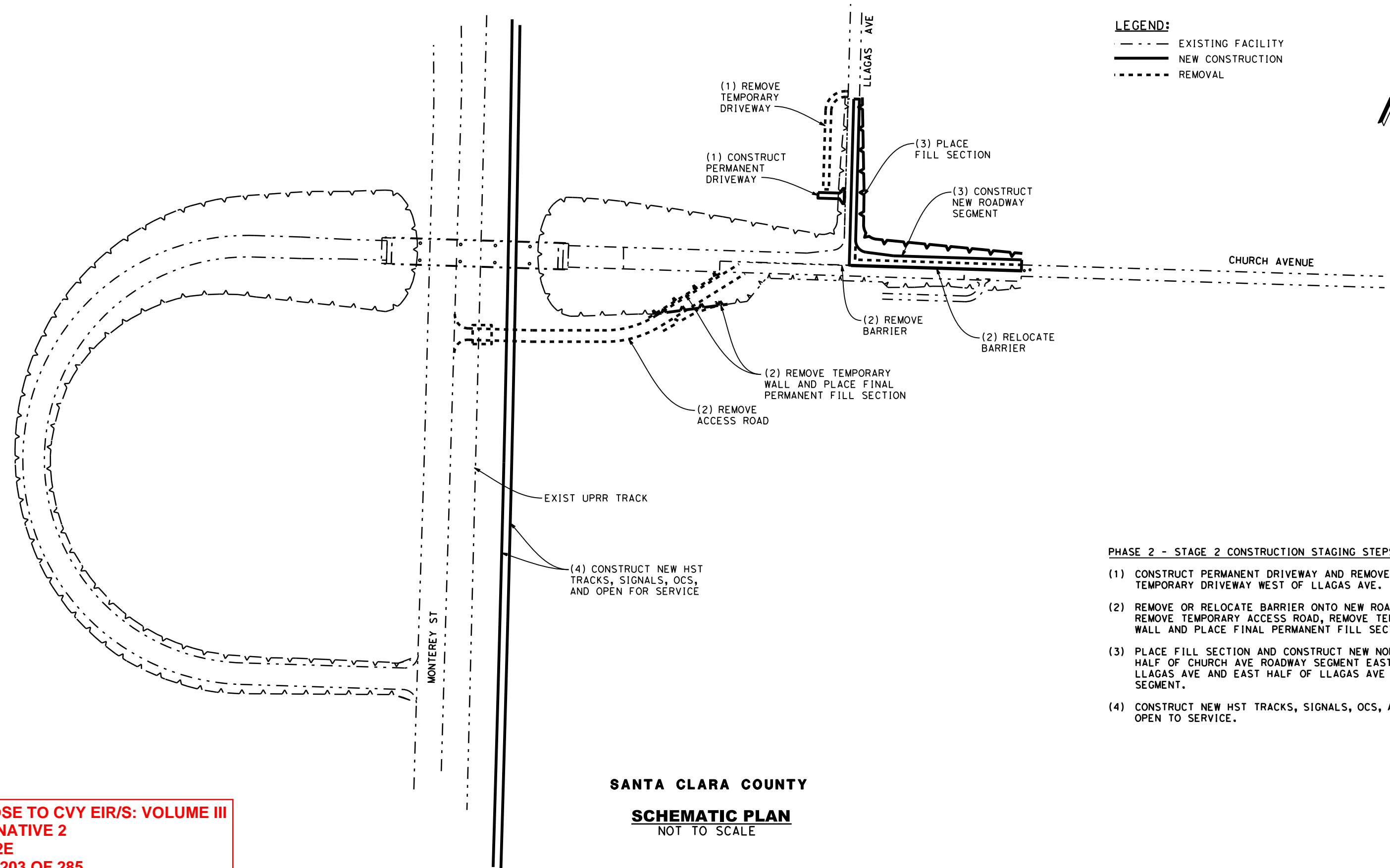
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 SAN JOSE TO MERCED**
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 CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
 CHURCH AVENUE GRADE SEPARATION

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LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 - - - - - REMOVAL

- PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS**
- (1) CONSTRUCT PERMANENT DRIVEWAY AND REMOVE TEMPORARY DRIVEWAY WEST OF LLAGAS AVE.
 - (2) REMOVE OR RELOCATE BARRIER ONTO NEW ROADWAY, REMOVE TEMPORARY ACCESS ROAD, REMOVE TEMPORARY WALL AND PLACE FINAL PERMANENT FILL SECTION.
 - (3) PLACE FILL SECTION AND CONSTRUCT NEW NORTH HALF OF CHURCH AVE ROADWAY SEGMENT EAST OF LLAGAS AVE AND EAST HALF OF LLAGAS AVE ROADWAY SEGMENT.
 - (4) CONSTRUCT NEW HST TRACKS, SIGNALS, OCS, AND OPEN TO SERVICE.

**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 203 OF 285**

SANTA CLARA COUNTY
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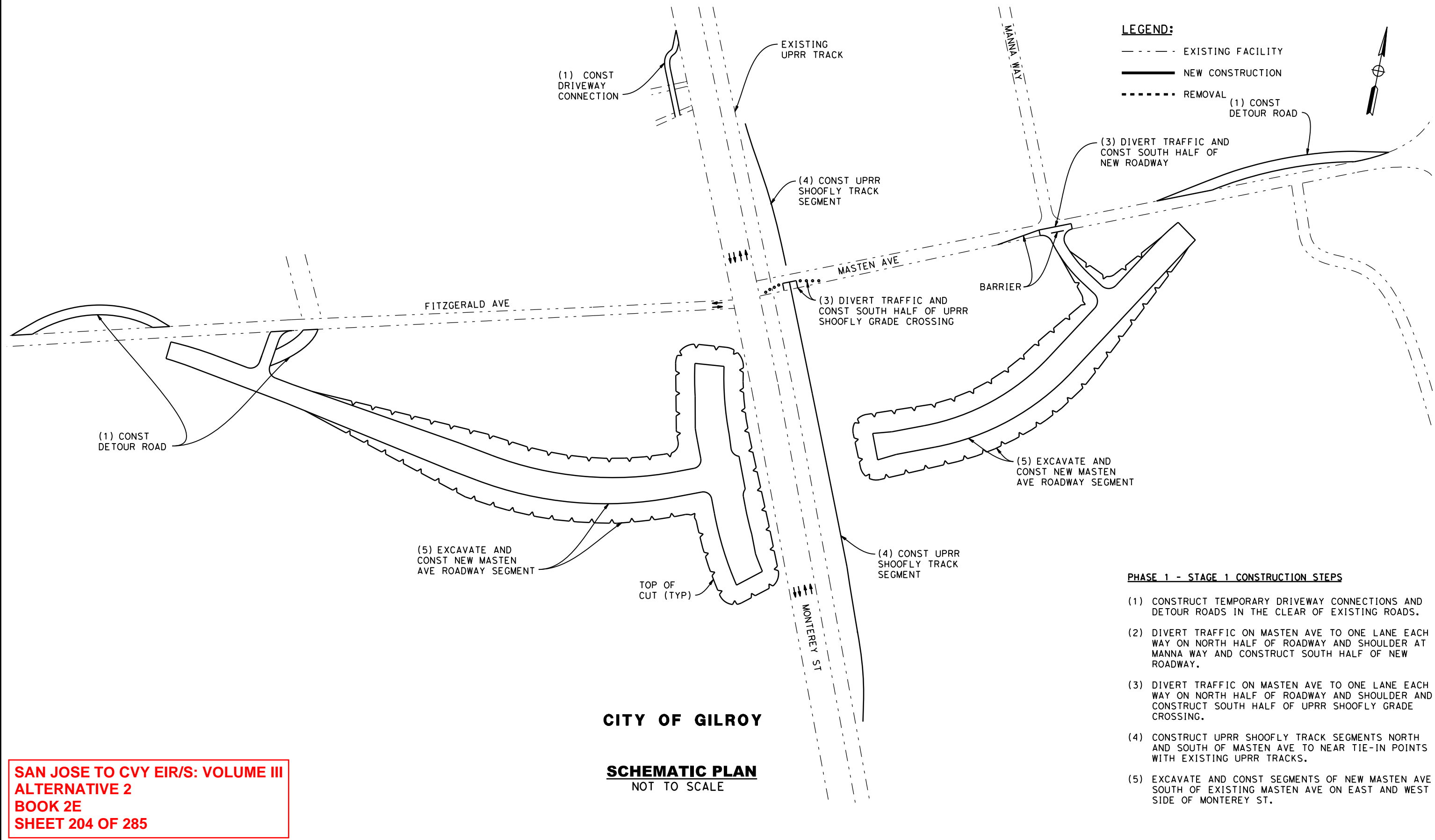
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 CHURCH AVENUE GRADE SEPARATION

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LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- ... REMOVAL



CITY OF GILROY

SCHEMATIC PLAN
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PHASE 1 - STAGE 1 CONSTRUCTION STEPS

- (1) CONSTRUCT TEMPORARY DRIVEWAY CONNECTIONS AND DETOUR ROADS IN THE CLEAR OF EXISTING ROADS.
- (2) DIVERT TRAFFIC ON MASTEN AVE TO ONE LANE EACH WAY ON NORTH HALF OF ROADWAY AND SHOULDER AT MANNA WAY AND CONSTRUCT SOUTH HALF OF NEW ROADWAY.
- (3) DIVERT TRAFFIC ON MASTEN AVE TO ONE LANE EACH WAY ON NORTH HALF OF ROADWAY AND SHOULDER AND CONSTRUCT SOUTH HALF OF UPRR SHOOFLY GRADE CROSSING.
- (4) CONSTRUCT UPRR SHOOFLY TRACK SEGMENTS NORTH AND SOUTH OF MASTEN AVE TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS.
- (5) EXCAVATE AND CONST SEGMENTS OF NEW MASTEN AVE SOUTH OF EXISTING MASTEN AVE ON EAST AND WEST SIDE OF MONTEREY ST.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 204 OF 285**

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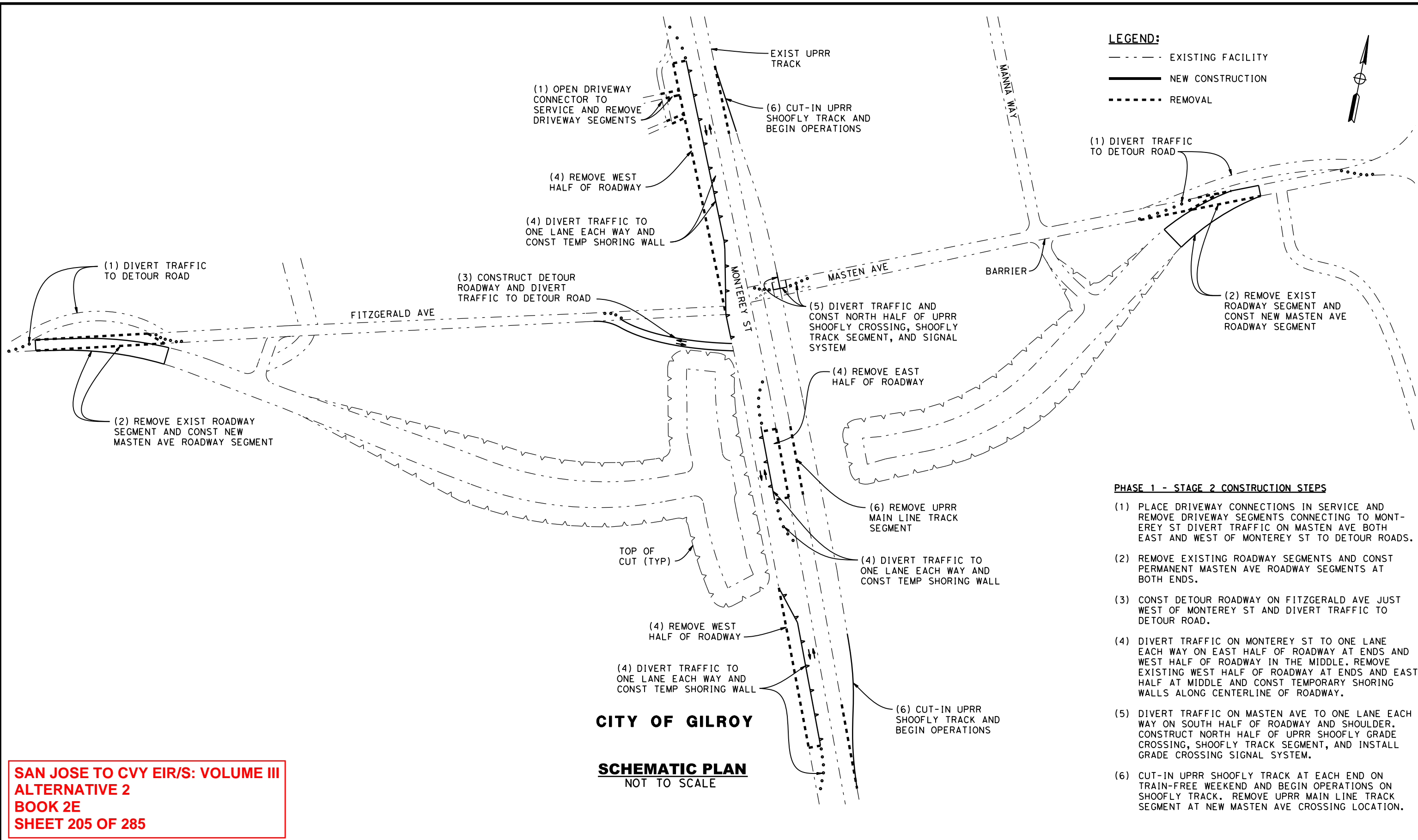
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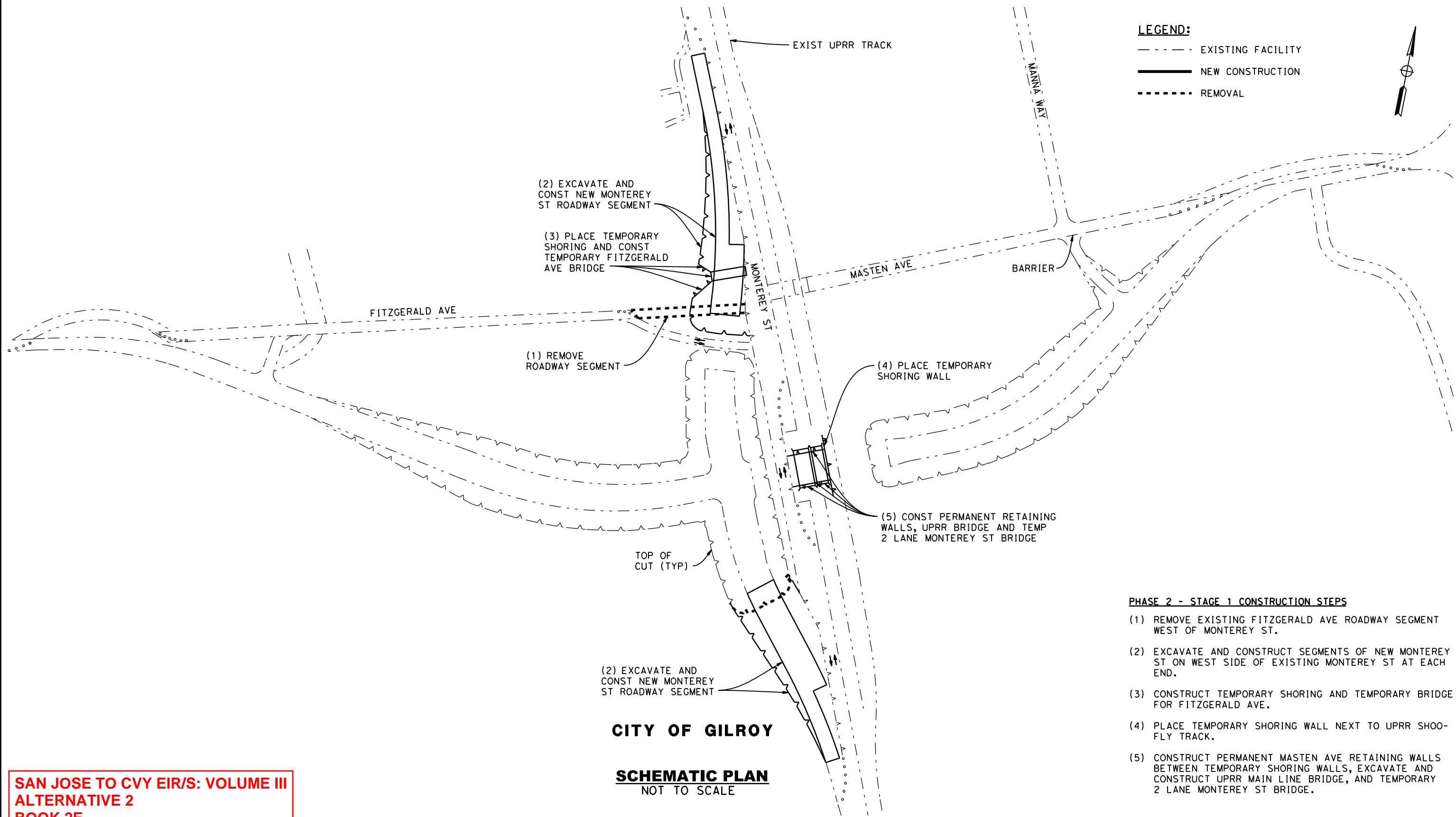
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 MASTEN AVENUE GRADE SEPARATION

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LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



PHASE 2 - STAGE 1 CONSTRUCTION STEPS

- (1) REMOVE EXISTING FITZGERALD AVE ROADWAY SEGMENT WEST OF MONTEREY ST.
- (2) EXCAVATE AND CONSTRUCT SEGMENTS OF NEW MONTEREY ST ON WEST SIDE OF EXISTING MONTEREY ST AT EACH END.
- (3) CONSTRUCT TEMPORARY SHORING AND TEMPORARY BRIDGE FOR FITZGERALD AVE.
- (4) PLACE TEMPORARY SHORING WALL NEXT TO UPRR SHOOFLY TRACK.
- (5) CONSTRUCT PERMANENT MASTEN AVE RETAINING WALLS BETWEEN TEMPORARY SHORING WALLS, EXCAVATE AND CONSTRUCT UPRR MAIN LINE BRIDGE, AND TEMPORARY 2 LANE MONTEREY ST BRIDGE.

CITY OF GILROY

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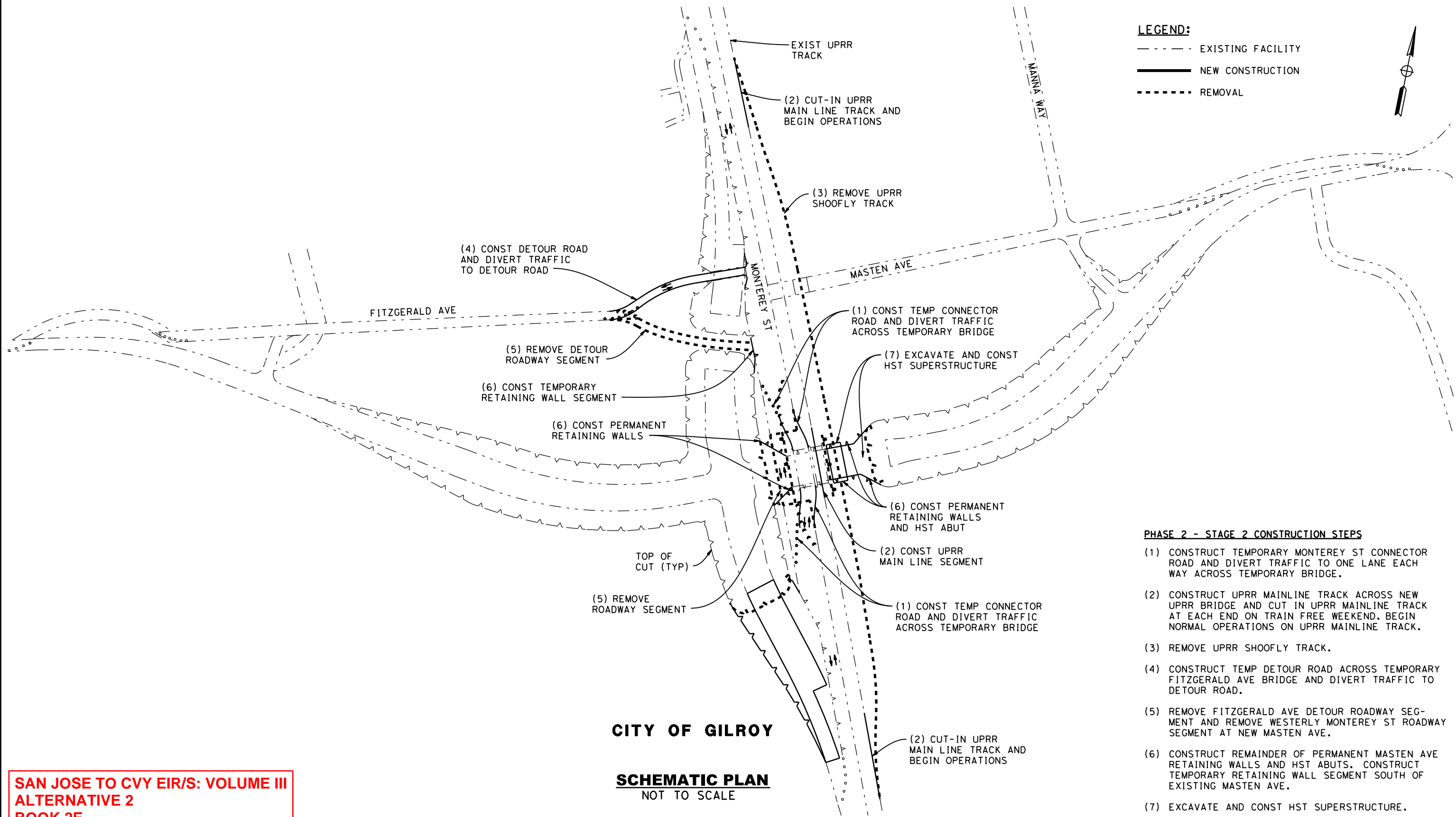


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SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
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CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
MASTEN AVENUE GRADE SEPARATION

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LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL



CITY OF GILROY

SCHMATIC PLAN
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PHASE 2 - STAGE 2 CONSTRUCTION STEPS

- (1) CONSTRUCT TEMPORARY MONTEREY ST CONNECTOR ROAD AND DIVERT TRAFFIC TO ONE LANE EACH WAY ACROSS TEMPORARY BRIDGE.
- (2) CONSTRUCT UPRR MAINLINE TRACK ACROSS NEW UPRR BRIDGE AND CUT IN UPRR MAINLINE TRACK AT EACH END ON TRAIN FREE WEEKEND. BEGIN NORMAL OPERATIONS ON UPRR MAINLINE TRACK.
- (3) REMOVE UPRR SHOOFLY TRACK.
- (4) CONSTRUCT TEMP DETOUR ROAD ACROSS TEMPORARY FITZGERALD AVE BRIDGE AND DIVERT TRAFFIC TO DETOUR ROAD.
- (5) REMOVE FITZGERALD AVE DETOUR ROADWAY SEGMENT AND REMOVE WESTERLY MONTEREY ST ROADWAY SEGMENT AT NEW MASTEN AVE.
- (6) CONSTRUCT REMAINDER OF PERMANENT MASTEN AVE RETAINING WALLS AND HST ABUTS. CONSTRUCT TEMPORARY RETAINING WALL SEGMENT SOUTH OF EXISTING MASTEN AVE.
- (7) EXCAVATE AND CONST HST SUPERSTRUCTURE.

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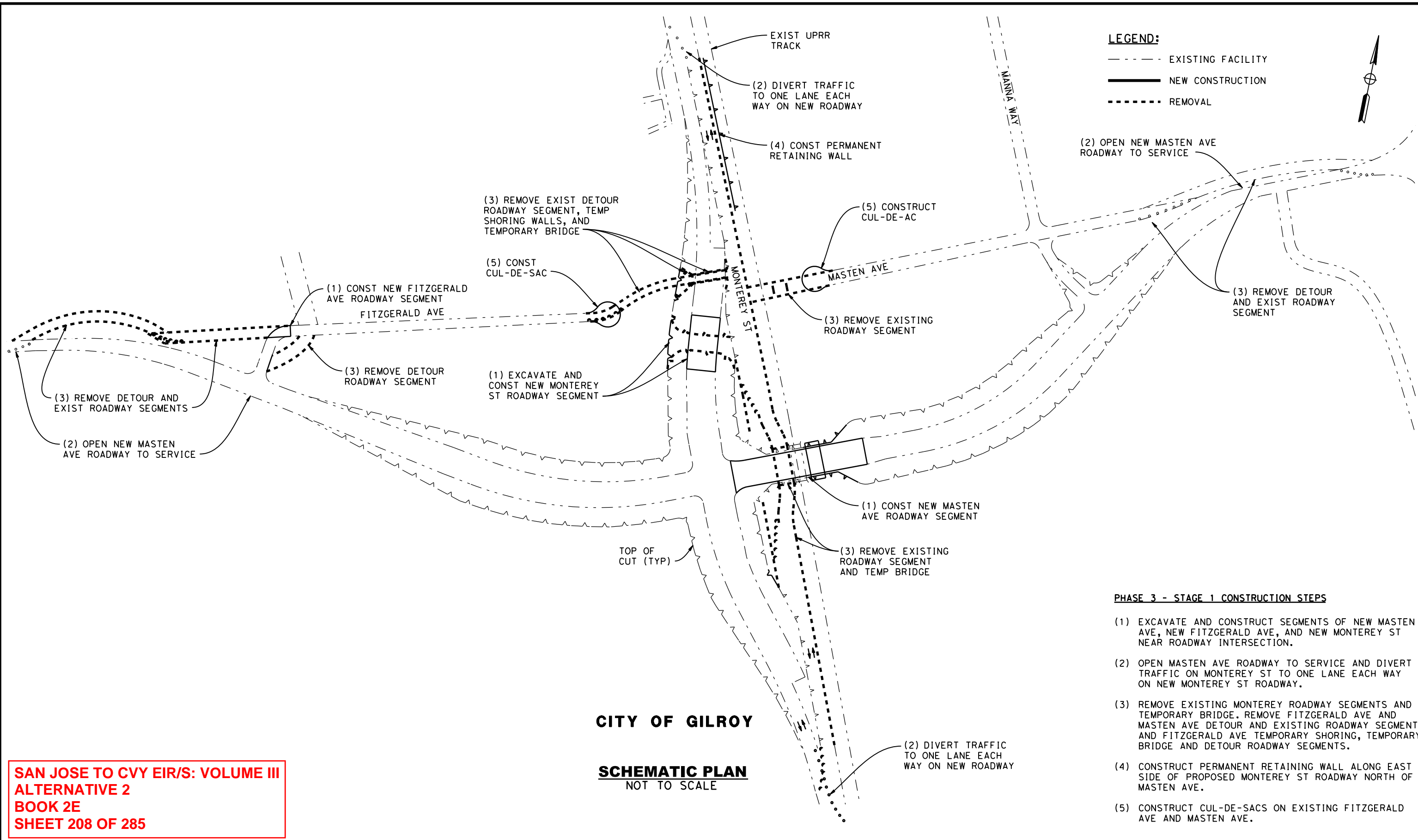
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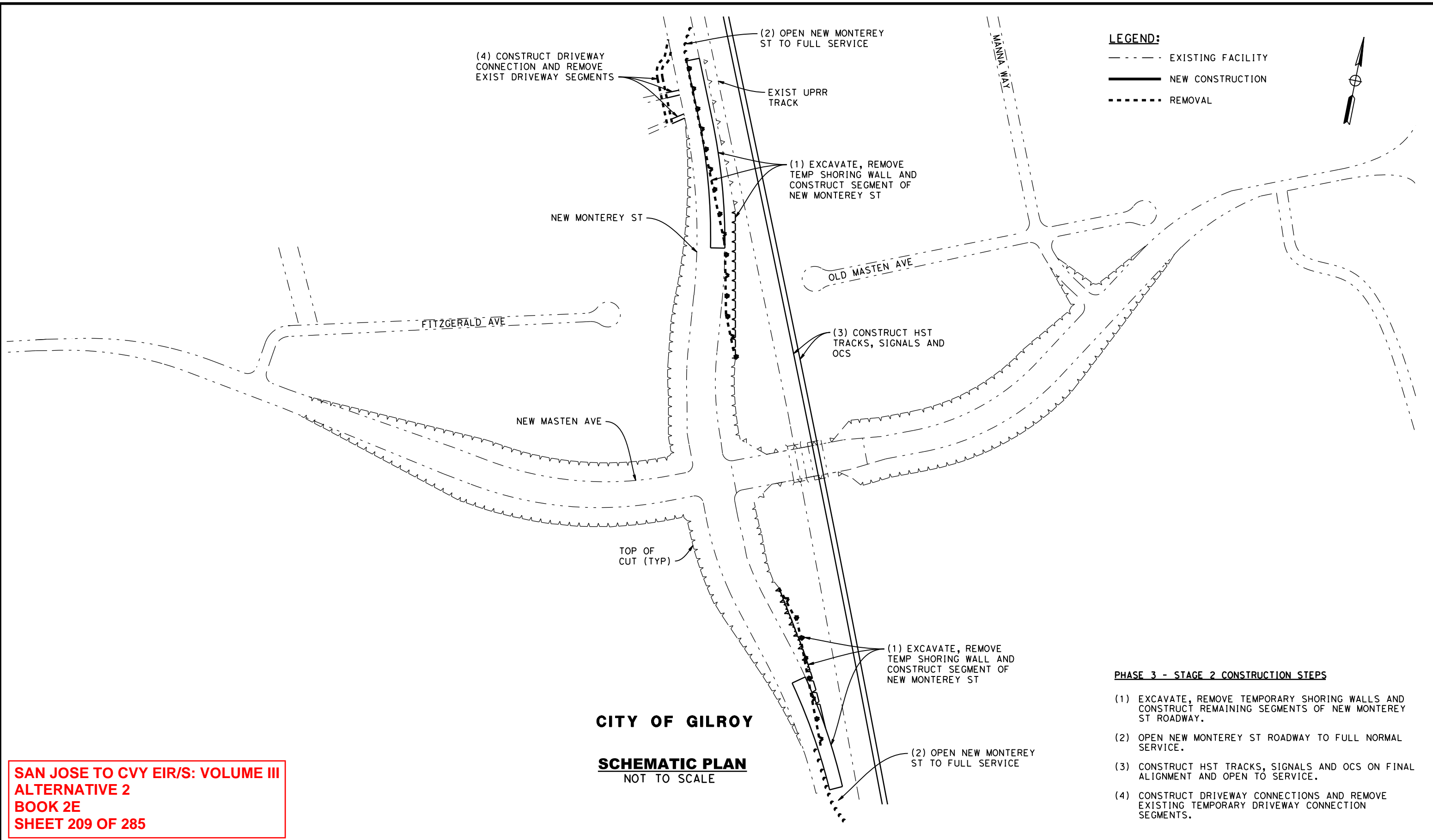
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 MASTEN AVENUE GRADE SEPARATION

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LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



(4) CONSTRUCT DRIVEWAY CONNECTION AND REMOVE EXIST DRIVEWAY SEGMENTS

(2) OPEN NEW MONTEREY ST TO FULL SERVICE

EXIST UPRR TRACK

(1) EXCAVATE, REMOVE TEMP SHORING WALL AND CONSTRUCT SEGMENT OF NEW MONTEREY ST

NEW MONTEREY ST

OLD MASTEN AVE

FTZGERALD AVE

(3) CONSTRUCT HST TRACKS, SIGNALS AND OCS

NEW MASTEN AVE

TOP OF CUT (TYP)

(1) EXCAVATE, REMOVE TEMP SHORING WALL AND CONSTRUCT SEGMENT OF NEW MONTEREY ST

(2) OPEN NEW MONTEREY ST TO FULL SERVICE

CITY OF GILROY

SCHEMATIC PLAN
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PHASE 3 - STAGE 2 CONSTRUCTION STEPS

- (1) EXCAVATE, REMOVE TEMPORARY SHORING WALLS AND CONSTRUCT REMAINING SEGMENTS OF NEW MONTEREY ST ROADWAY.
- (2) OPEN NEW MONTEREY ST ROADWAY TO FULL NORMAL SERVICE.
- (3) CONSTRUCT HST TRACKS, SIGNALS AND OCS ON FINAL ALIGNMENT AND OPEN TO SERVICE.
- (4) CONSTRUCT DRIVEWAY CONNECTIONS AND REMOVE EXISTING TEMPORARY DRIVEWAY CONNECTION SEGMENTS.

**SAN JOSE TO CVY EIR/S: VOLUME III
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MASTEN AVENUE GRADE SEPARATION

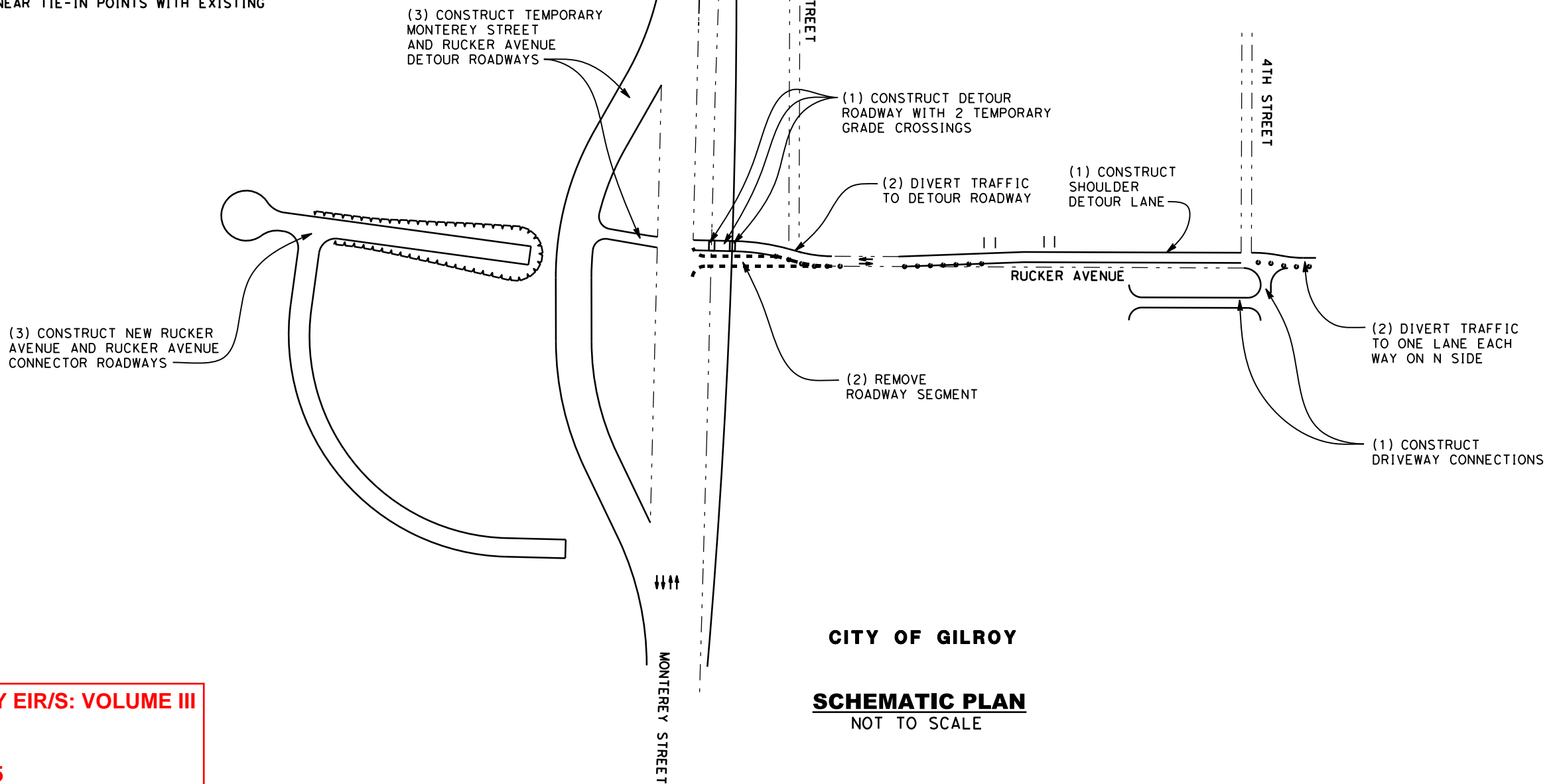
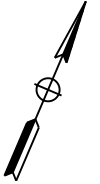
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PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT DRIVEWAY CONNECTIONS AT EAST END, RUCKER AVENUE SHOULDER DETOUR ROADWAY LANES ON NORTH SIDE BETWEEN 1ST ST AND 4TH ST, AND RUCKER AVENUE DETOUR ROADWAY WITH TEMPORARY GRADE CROSSINGS AND SIGNAL SYSTEM AT EXISTING, UPRR MAINLINE TRACK, AND AT UPRR SHOOFLY TRACK ON THE N SIDE BETWEEN MONTEREY ST AND 1ST ST. PLACE BARRIER ALONG SOUTH SIDE OF WIDENING DETOUR.
- (2) DIVERT TRAFFIC ON RUCKER AVENUE TO ONE LANE EACH WAY OF NORTH HALF OF ROADWAY ON DETOUR ROADWAY AND ON SHOULDER DETOUR LANE AND REMOVE EXISTING RUCKER AVENUE ROADWAY BETWEEN MONTEREY ST AND 1ST ST.
- (3) CONSTRUCT TEMPORARY MONTEREY STREET DETOUR ROADWAY, TEMPORARY RUCKER AVENUE DETOUR ROADWAY, NEW RUCKER AVENUE ROADWAY, AND NEW RUCKER AVENUE CONNECTOR ROADWAY SEGMENT ON WEST SIDE OF MONTEREY ST.
- (4) CONSTRUCT UPRR SHOOFLY TRACK NORTH AND SOUTH OF RUCKER AVE TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF GILROY

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**SAN JOSE TO CVY EIR/S: VOLUME III
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
RUCKER AVENUE GRADE SEPARATION

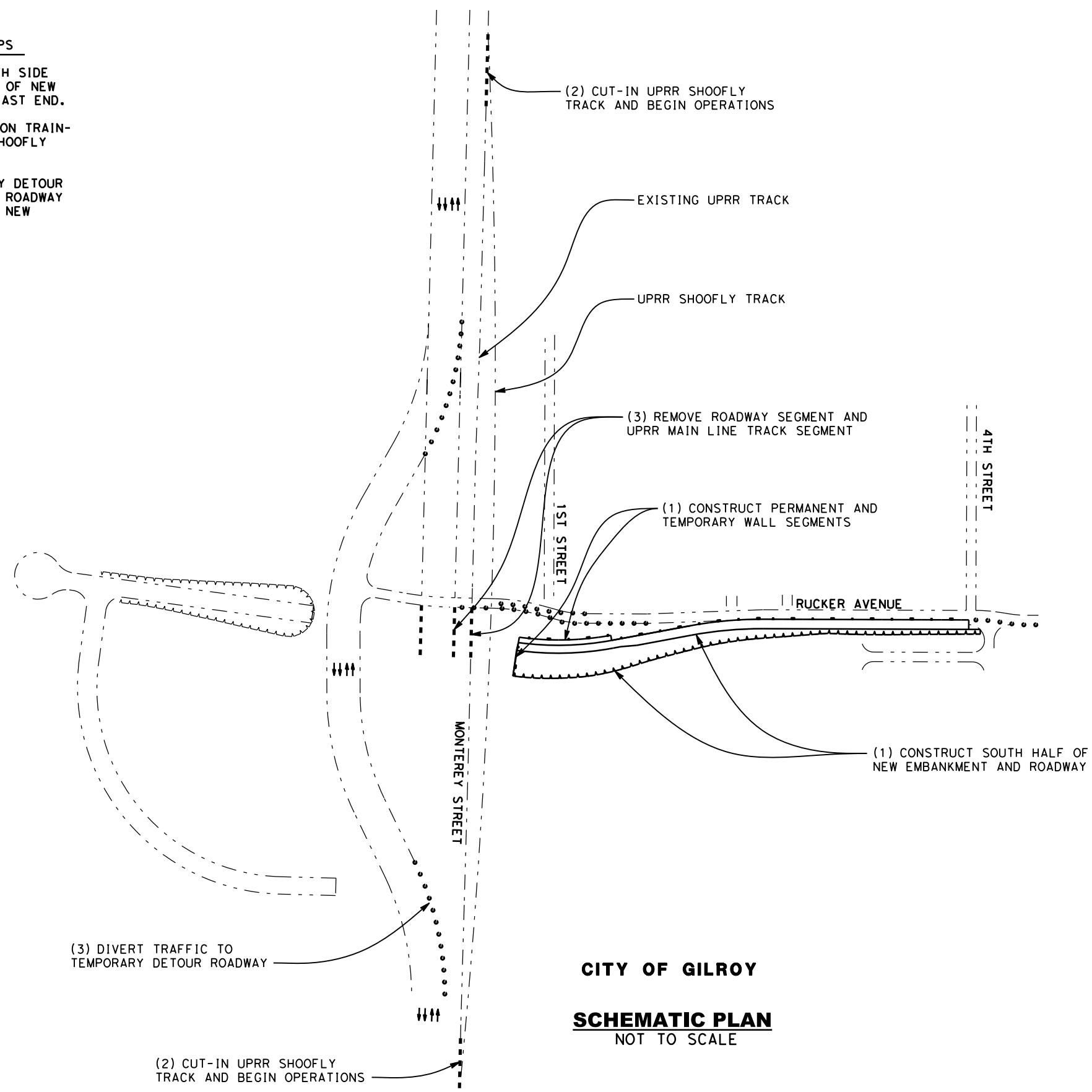
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PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT PERMANENT AND TEMPORARY NORTH SIDE RETAINING WALL SEGMENTS AND SOUTH HALF OF NEW RUCKER AVE EMBANKMENT AND ROADWAY AT EAST END.
- (2) CUT-IN UPRR SHOOFLY TRACK AT EACH END ON TRAIN-FREE WEEKEND AND BEGIN OPERATIONS ON SHOOFLY TRACK.
- (3) DIVERT MONTEREY ST TRAFFIC TO TEMPORARY DETOUR ROADWAY. REMOVE SEGMENT OF MONTEREY ST ROADWAY AND SEGMENT OF UPRR MAIN LINE TRACK AT NEW RUCKER AVE CROSSING LOCATION.

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - REMOVAL



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CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
RUCKER AVENUE GRADE SEPARATION

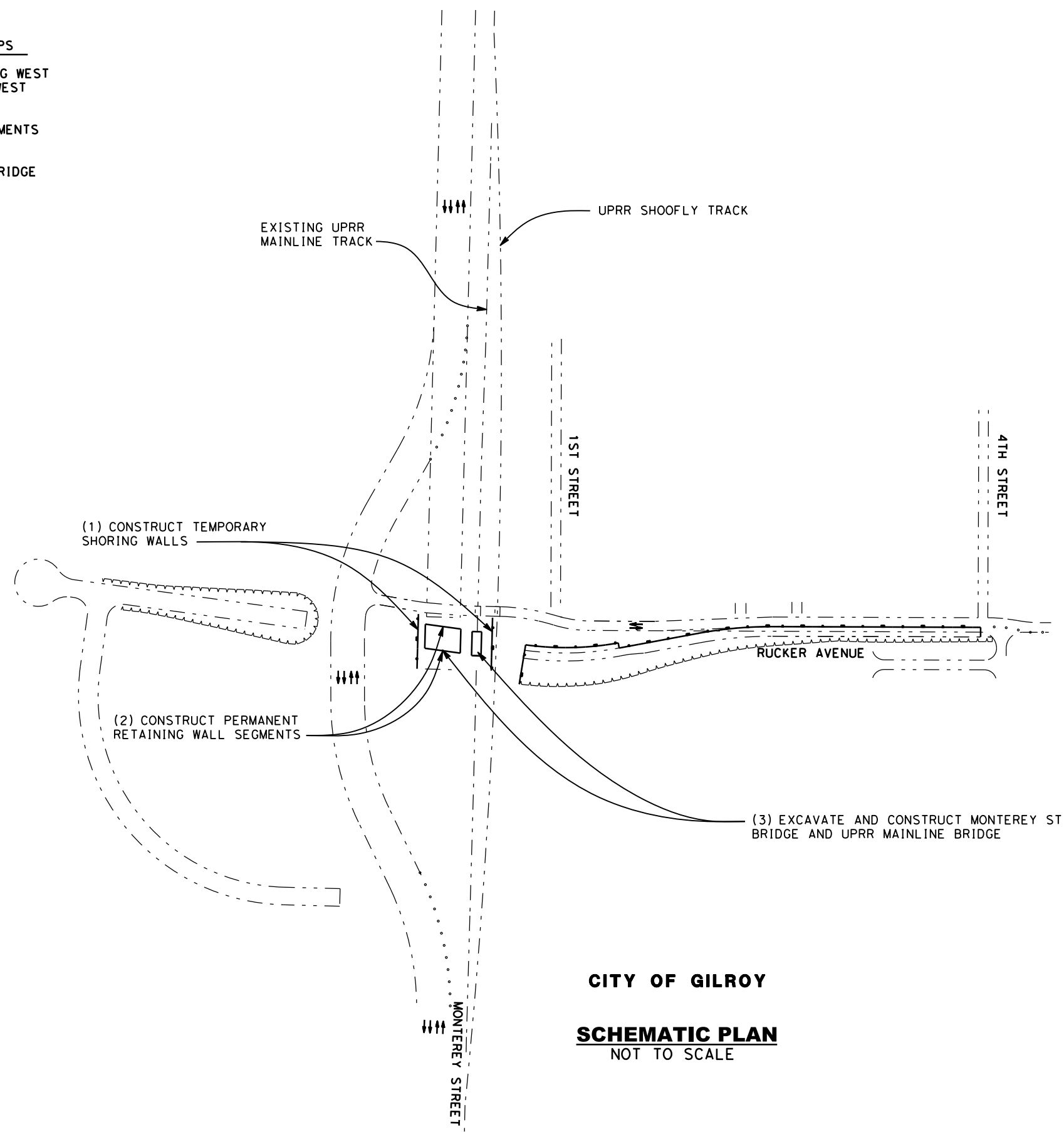
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PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT TEMPORARY SHORING WALLS ALONG WEST EDGE OF UPRR SHOOFLY TRACK AND ALONG WEST SIDE OF ORIGINAL MONTEREY ST ROADWAY.
- (2) CONSTRUCT PERMANENT RETAINING WALL SEGMENTS BETWEEN TEMPORARY SHORING WALLS.
- (3) EXCAVATE AND CONSTRUCT UPRR MAINLINE BRIDGE AND MONTEREY ST ROADWAY

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF GILROY

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 212 OF 285**

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CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
RUCKER AVENUE GRADE SEPARATION

CONTRACT NO.	HSR15-34
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PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT PERMANENT UPRR MAIN LINE TRACK SEGMENT ACROSS NEW UPRR BRIDGE. CUT-IN UPRR MAIN LINE TRACK AT EACH END AND BEGIN NORMAL OPERATIONS ON UPRR MAIN LINE TRACK.
- (2) CONSTRUCT PERMANENT MONTEREY ST ROADWAY SEGMENT ACROSS NEW ROADWAY BRIDGE AND BEGIN NORMAL TRAFFIC OPERATIONS ON NEW MONTEREY ST BRIDGE AND ROADWAY.
- (3) REMOVE UPRR SHOOFLY TRACK AND MONTEREY ST DETOUR ROADWAY. REMOVE TEMPORARY SHORING WALLS AND CONSTRUCT NEW PERMANENT RUCKER AVE RETAINING WALL EXTENSIONS ON EAST AND WEST ENDS.
- (4) EXCAVATE AND CONSTRUCT PERMANENT RUCKER AVE. ROADWAY SEGMENT UNDER BRIDGES. CONSTRUCT RUCKER AVE CONNECTION ROADWAY EXTENSION TO MONTEREY ST.
- (5) CONSTRUCT PERMANENT HST BRIDGE.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL



(3) REMOVE TEMPORARY MONTEREY ST AND RUCKER AVENUE DETOUR ROADWAYS

(4) EXCAVATE AND CONSTRUCT PERMANENT RUCKER AVE ROADWAY SEGMENT

(3) REMOVE TEMPORARY SHORING WALLS AND CONSTRUCT PERMANENT RETAINING WALL EXTENSIONS

(2) CONSTRUCT PERMANENT ROADWAY SEGMENT ACROSS BRIDGE AND BEGIN NORMAL TRAFFIC OPERATIONS OVER NEW BRIDGE

(4) CONSTRUCT RUCKER AVE CONNECTION ROADWAY SEGMENT

(1) CUT-IN UPRR MAINLINE TRACK AND BEGIN OPERATIONS

(3) REMOVE TEMPORARY UPRR SHOOFLY TRACK

EXISTING UPRR MAIN LINE TRACK

(1) CONSTRUCT UPRR MAIN LINE TRACK SEGMENT ACROSS NEW UPRR BRIDGE

(3) REMOVE TEMPORARY SHORING WALLS AND CONSTRUCT PERMANENT RETAINING WALL EXTENSIONS

(5) CONSTRUCT PERMANENT HST BRIDGE

(1) CUT-IN UPRR MAINLINE TRACK AND BEGIN OPERATIONS

CITY OF GILROY
SCHMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 213 OF 285**

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CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2
RUCKER AVENUE GRADE SEPARATION

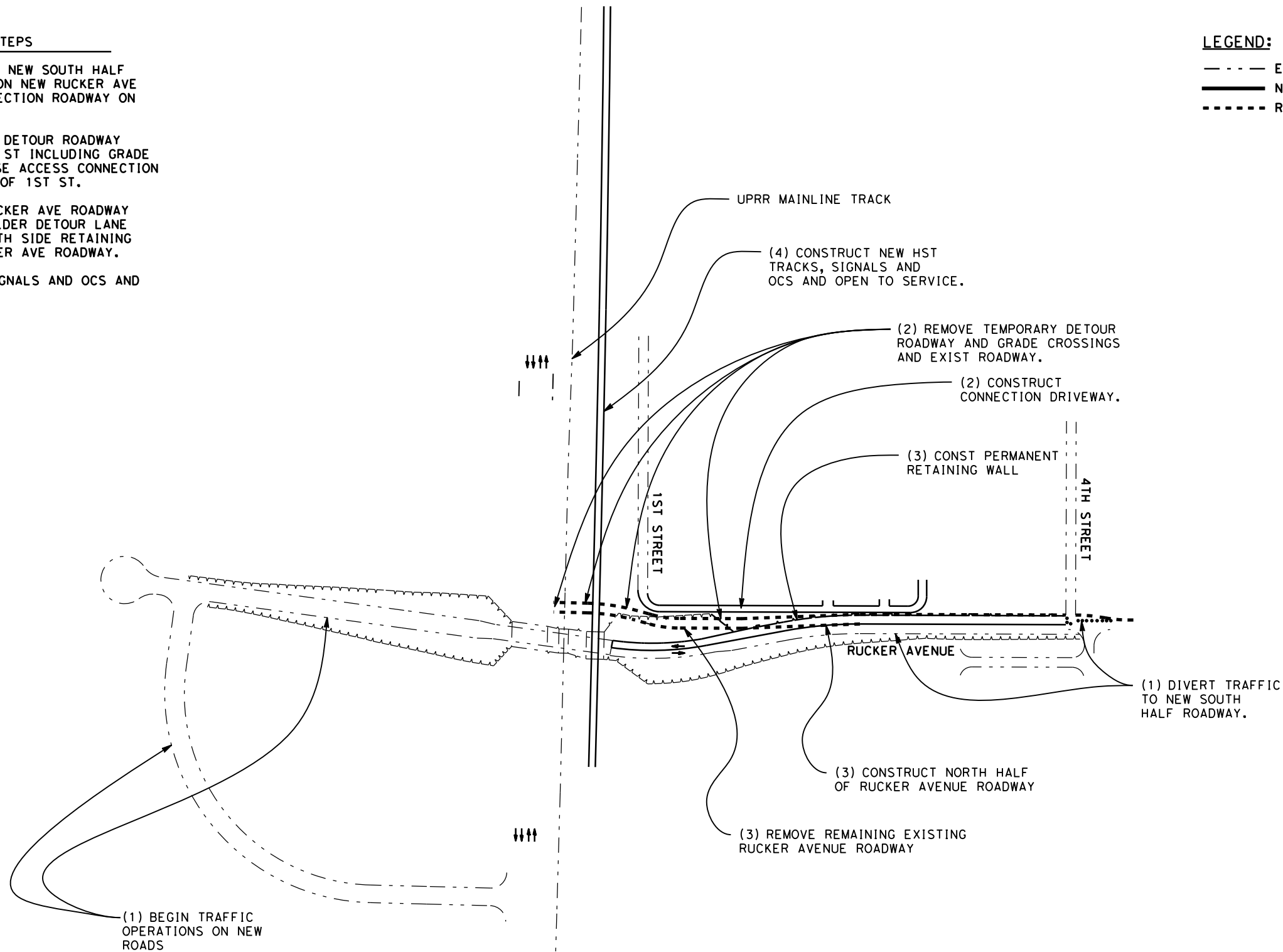
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PHASE 3 - CONSTRUCTION STAGING STEPS

- (1) DIVERT RUCKER AVE TRAFFIC TO NEW SOUTH HALF OF ROADWAY ON EAST END AND ON NEW RUCKER AVE ROADWAY AND RUCKER AVE CONNECTION ROADWAY ON WEST SIDE.
- (2) REMOVE TEMPORARY RUCKER AVE DETOUR ROADWAY BETWEEN MONTEREY ST AND 1ST ST INCLUDING GRADE CROSSINGS AND CONSTRUCT HOUSE ACCESS CONNECTION DRIVEWAY ON NORTH SIDE EAST OF 1ST ST.
- (3) REMOVE REMAINING EXISTING RUCKER AVE ROADWAY SEGMENT AND NORTH SIDE SHOULDER DETOUR LANE AND CONSTRUCT PERMANENT NORTH SIDE RETAINING WALL AND NORTH HALF OF RUCKER AVE ROADWAY.
- (4) CONSTRUCT NEW HST TRACKS, SIGNALS AND OCS AND OPEN TO SERVICE.

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



CITY OF GILROY

SCHEMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
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CONSTRUCTION STAGING PLAN-PHASE 3
RUCKER AVENUE GRADE SEPARATION

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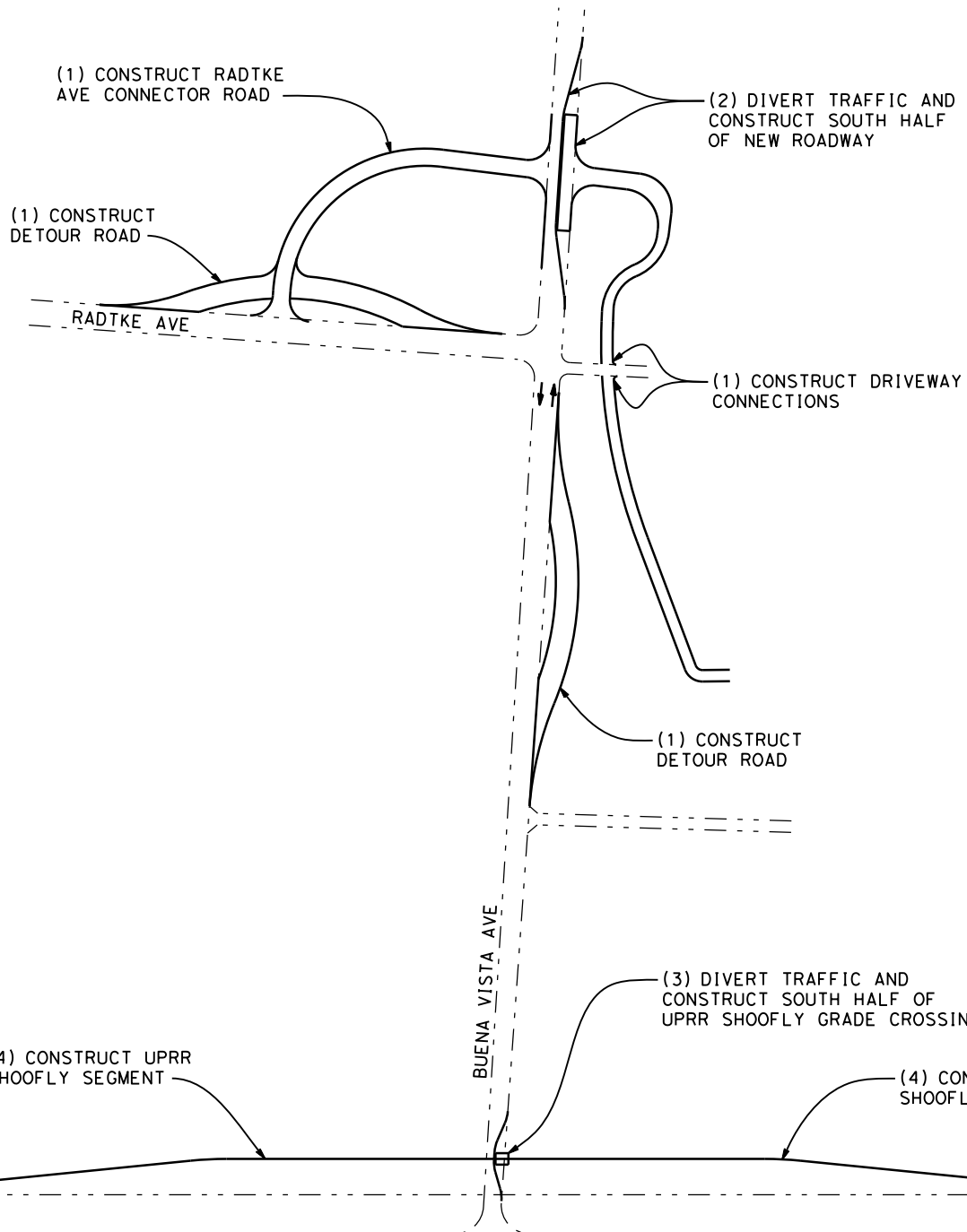
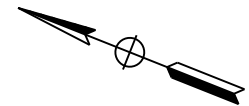
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PHASE 1 STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT DRIVEWAY CONNECTIONS, RADTKE AVE CONNECTION ROAD, AND BUENA VISTA AVE AND RADTKE AVE DETOUR ROADS IN THE CLEAR OF EXISTING ROADS.
- (2) DIVERT TRAFFIC ON BUENA VISTA AVE TO ONE LANE EACH WAY ON NORTH HALF OF ROADWAY AND SHOULDER AND CONSTRUCT SOUTH HALF OF NEW ROADWAY AT EAST END.
- (3) DIVERT TRAFFIC ON BUENA VISTA AVE TO ONE LANE EACH WAY ON NORTH HALF OF ROADWAY AND SHOULDER AND CONSTRUCT SOUTH HALF OF UPRR SHOOFLY GRADE CROSSING.
- (4) CONSTRUCT UPRR SHOOFLY SEGMENTS NORTH AND SOUTH OF BUENA VISTA AVE TO NEAR TIE-IN POINTS WITH EXISTING UPRR TRACKS.

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



MONTEREY ST

(1) CONSTRUCT DRIVEWAY CONNECTIONS

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 BUENA VISTA AVENUE GRADE SEPARATION

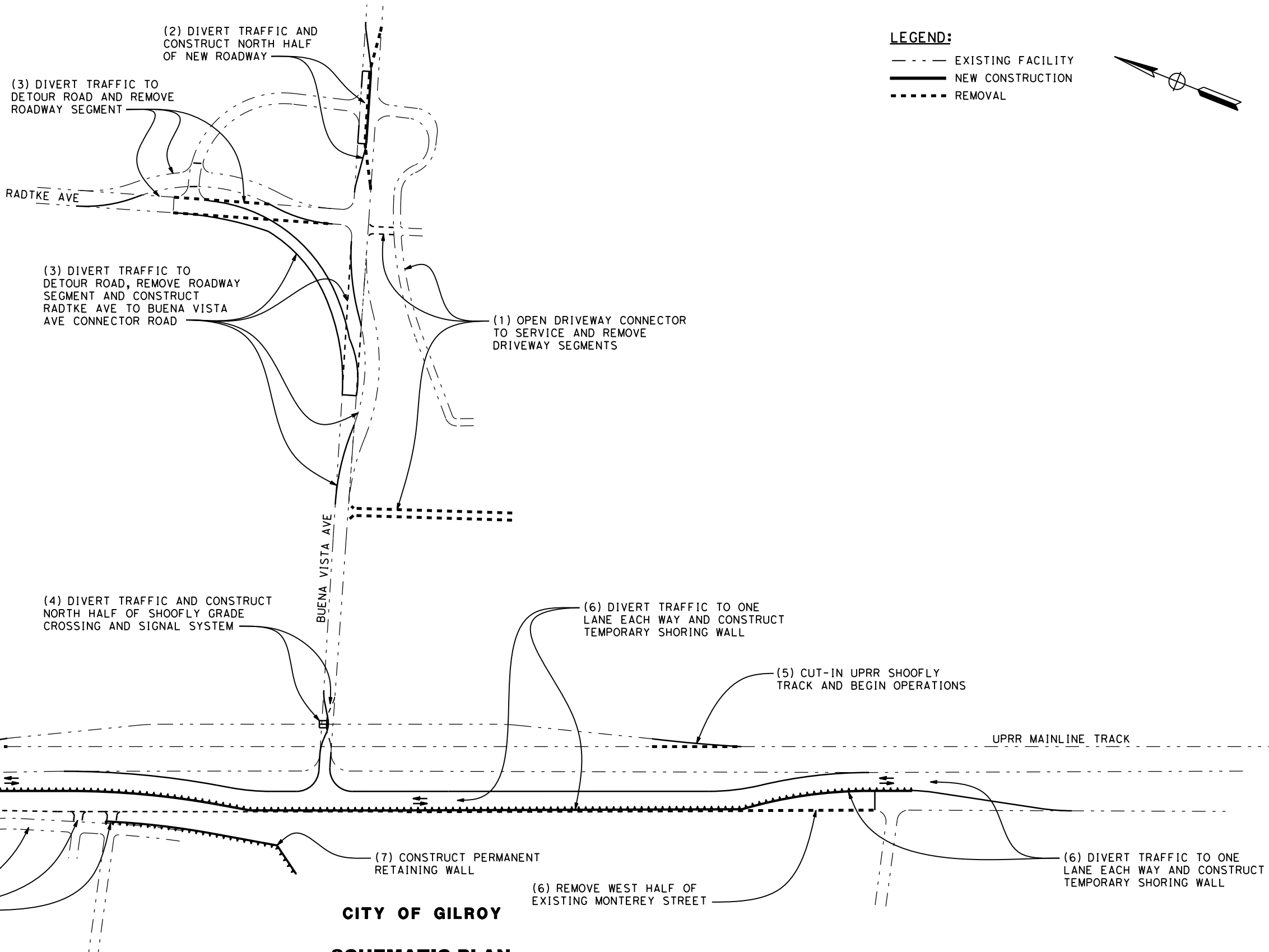
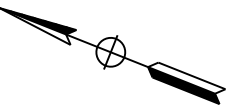
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PHASE 1 STAGE 2 CONSTRUCTION STAGING STEPS

- (1) PLACE DRIVEWAY CONNECTIONS IN SERVICE AND REMOVE DRIVEWAY SEGMENTS THAT CONNECT TO BUENA VISTA AVE AND MONTEREY ST.
- (2) DIVERT TRAFFIC ON BUENA VISTA AVE TO ONE LANE EACH WAY ON SOUTH HALF OF ROADWAY AND SHOULDER AND CONSTRUCT NORTH HALF OF ROADWAY SEGMENT AT EAST END.
- (3) DIVERT TRAFFIC ON BUENA VISTA AVE AND RADTKE AVE TO DETOUR ROADS, REMOVE ROADWAY SEGMENTS AND CONSTRUCT RADTKE AVE TO BUENA VISTA AVE CONNECTOR ROAD.
- (4) DIVERT TRAFFIC ON BUENA VISTA TO ONE LANE EACH WAY ON SOUTH HALF OF ROADWAY AND SHOULDER AND CONSTRUCT NORTH HALF OF UPRR SHOOFLY GRADE CROSSING AND INSTALL GRADE CROSSING SIGNAL SYSTEM.
- (5) CUT-IN UPRR SHOOFLY TRACK AT EACH END ON TRAIN-FREE WEEKEND AND BEGIN OPERATIONS ON SHOOFLY TRACK.
- (6) DIVERT TRAFFIC ON MONTEREY ST TO ONE LANE EACH WAY ON EAST HALF OF ROADWAY AT ENDS AND WEST HALF OF ROADWAY IN MIDDLE OF DETOUR SECTION, REMOVE EXISTING WEST HALF OF ROADWAY AT ENDS AND CONSTRUCT TEMPORARY SHORING WALLS ALONG CENTERLINE OF ROADWAY AT NORTH END, TRANSITIONING TO WEST EDGE OF EXISTING ROAD FOLLOWING DETOUR SECTION AND SHIFTING BACK TO CENTERLINE OF EXISTING ROAD AT SOUTH END.
- (7) CONSTRUCT PERMANENT RETAINING WALL SEGMENT ALONG WEST EDGE OF PROPOSED MONTEREY ST ROADWAY NORTH OF BUENA VISTA AVE.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- - - - - REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
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BOOK 2E
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**CITY OF GILROY
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
BUENA VISTA AVENUE GRADE SEPARATION

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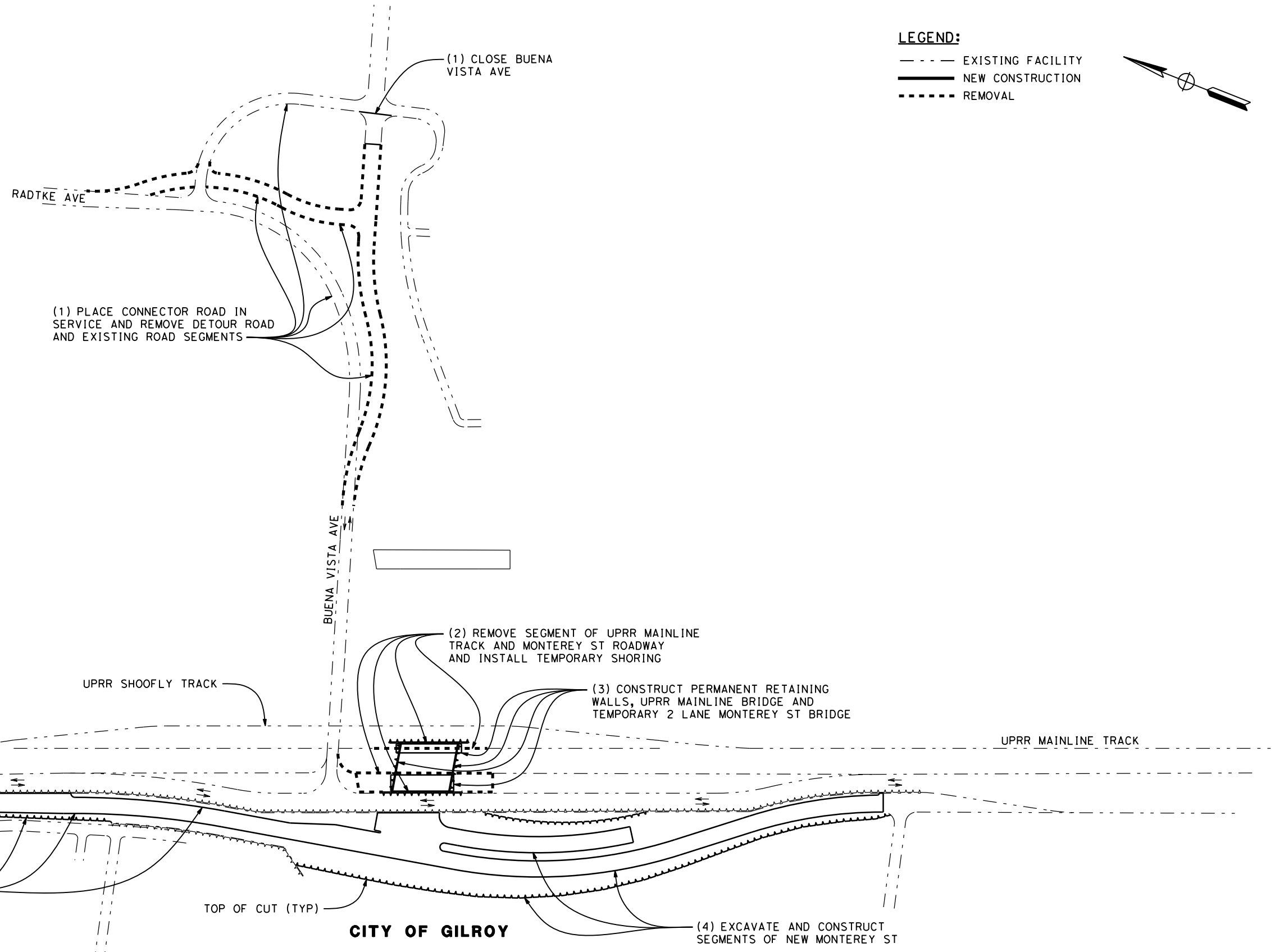
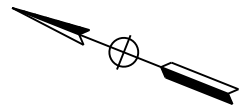
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PHASE 2 STAGE 1 CONSTRUCTION STAGING STEPS

- (1) PLACE BUENA VISTA AVE AND RADTKE AVE CONNECTOR ROADS IN SERVICE. CLOSE EXISTING BUENA VISTA AVE AT EAST RADTKE AVE CONNECTOR ROAD AND REMOVE BUENA VISTA AVE AND RADTKE AVE DETOUR ROADS, EXISTING ROAD SEGMENTS AND INTERSECTION.
- (2) REMOVE SEGMENT OF EXISTING UPRR MAIN LINE TRACK AND SEGMENT OF EAST HALF OF MONTEREY ST ROADWAY AT PROPOSED RELOCATED BUENA VISTA AVE AND PLACE TEMPORARY SHORING WALL JUST EAST OF OPERATING WEST HALF OF MONTEREY ST ROADWAY AND JUST WEST OF UPRR SHOOFLY TRACK.
- (3) CONSTRUCT PERMANENT BUENA VISTA AVE RETAINING WALLS BETWEEN TEMPORARY SHORING WALLS, UPRR BRIDGE, AND TEMPORARY 2 LANE MONTEREY ST BRIDGE.
- (4) EXCAVATE AND CONSTRUCT SEGMENTS OF NEW MONTEREY ST ROADWAY CLEAR OF TEMPORARY MONTEREY ST SHORING WALLS.

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



(1) PLACE CONNECTOR ROAD IN SERVICE AND REMOVE DETOUR ROAD AND EXISTING ROAD SEGMENTS

(1) CLOSE BUENA VISTA AVE

(2) REMOVE SEGMENT OF UPRR MAINLINE TRACK AND MONTEREY ST ROADWAY AND INSTALL TEMPORARY SHORING

(3) CONSTRUCT PERMANENT RETAINING WALLS, UPRR MAINLINE BRIDGE AND TEMPORARY 2 LANE MONTEREY ST BRIDGE

(4) EXCAVATE AND CONSTRUCT SEGMENTS OF NEW MONTEREY ST

(4) EXCAVATE AND CONSTRUCT SEGMENTS OF NEW MONTEREY ST

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
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**CITY OF GILROY
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MORGAN HILL AND GILROY
EMBANKMENT TO DOWNTOWN GILROY
CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 1
BUENA VISTA AVENUE GRADE SEPARATION

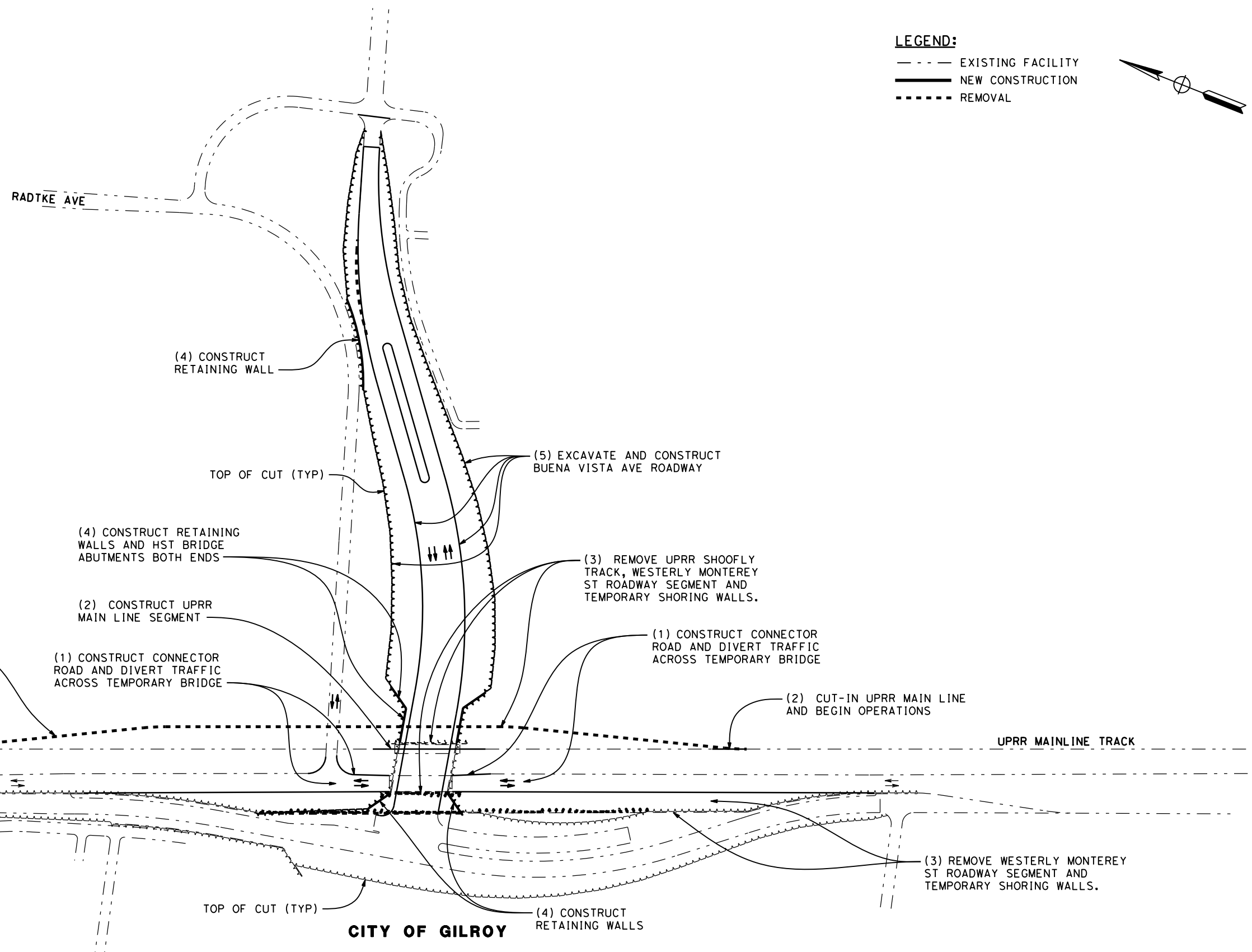
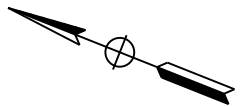
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PHASE 2 STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT CONNECTOR ROADS AND DIVERT TRAFFIC ON MONTEREY ST TO ONE LANE EACH WAY ACROSS TEMPORARY BRIDGE.
- (2) CONSTRUCT UPRR MAIN LINE TRACK ACROSS NEW UPRR BRIDGE AND CUT-IN UPRR MAIN LINE TRACK AT EACH END ON TRAIN-FREE WEEKEND. BEGIN NORMAL OPERATIONS ON UPRR MAIN LINE TRACK.
- (3) REMOVE UPRR SHOOFLY TRACK, WESTERLY MONTEREY ST ROADWAY SEGMENT AT BUENA VISTA AVE AND TEMPORARY SHORING WALLS AND HST BRIDGE ABUTMENTS.
- (4) CONSTRUCT REMAINDER OF PERMANENT BUENA VISTA AVE RETAINING WALLS AND HST BRIDGE ABUTMENTS.
- (5) EXCAVATE AND CONSTRUCT REMAINDER OF NEW BUENA VISTA AVE ROADWAY SEGMENT ON EAST SIDE AND UNDER BRIDGES.

LEGEND:

- - - - - EXISTING FACILITY
- NEW CONSTRUCTION
- · · · · REMOVAL



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
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**CITY OF GILROY
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MORGAN HILL AND GILROY
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CONSTRUCTION STAGING PLAN-PHASE 2-STAGE 2
BUENA VISTA AVENUE GRADE SEPARATION

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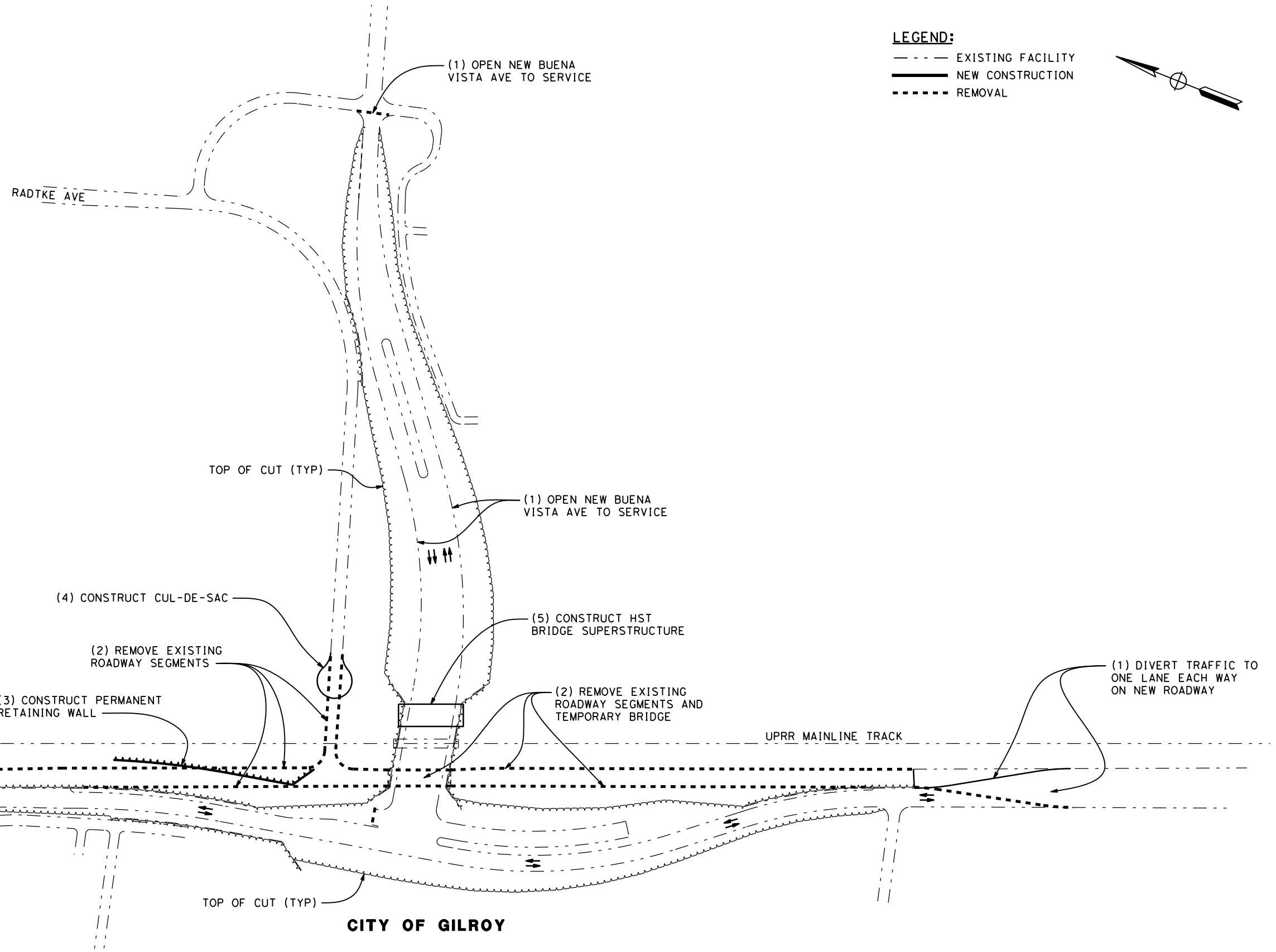
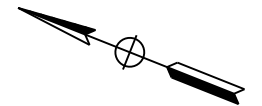
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PHASE 3 STAGE 1 CONSTRUCTION STAGING STEPS

- (1) OPEN NEW BUENA VISTA AVE ROADWAY TO SERVICE AND DIVERT TRAFFIC ON MONTEREY ST TO ONE LANE EACH WAY ON NEW MONTEREY ST ROADWAY.
- (2) REMOVE EXISTING MONTEREY ST AND BUENA VISTA AVE ROADWAY SEGMENTS AND TEMPORARY BRIDGE.
- (3) CONSTRUCT PERMANENT RETAINING WALL ALONG EAST SIDE OF PROPOSED MONTEREY ST ROADWAY NORTH OF BUENA VISTA AVE.
- (4) CONSTRUCT CUL-DE-SAC ON EXISTING BUENA VISTA AVE.
- (5) CONSTRUCT HST BRIDGE SUPERSTRUCTURE.

LEGEND:

- - - - EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



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CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 1
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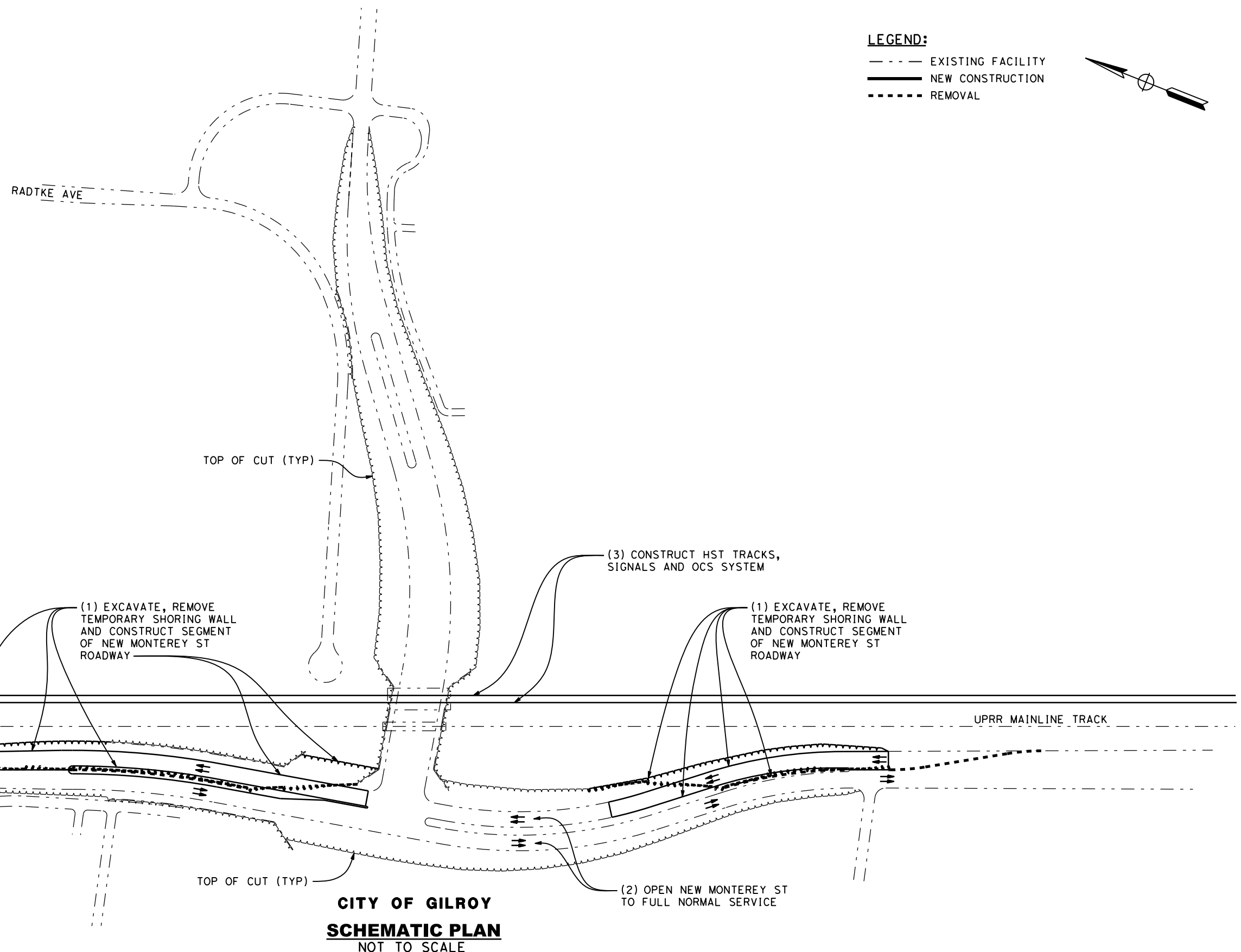
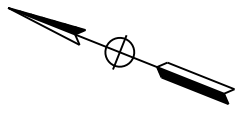
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PHASE 3 STAGE 2 CONSTRUCTION STAGING STEPS

- (1) EXCAVATE, REMOVE TEMPORARY SHORING WALLS, AND CONSTRUCT REMAINING SEGMENTS OF NEW MONTEREY ST ROADWAY.
- (2) OPEN NEW MONTEREY ST ROADWAY TO FULL NORMAL SERVICE.
- (3) CONSTRUCT HST TRACKS, SIGNALS, AND OCS ON FINAL ALIGNMENT AND OPEN TO SERVICE.

LEGEND:

- EXISTING FACILITY
- NEW CONSTRUCTION
- REMOVAL



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BOOK 2E
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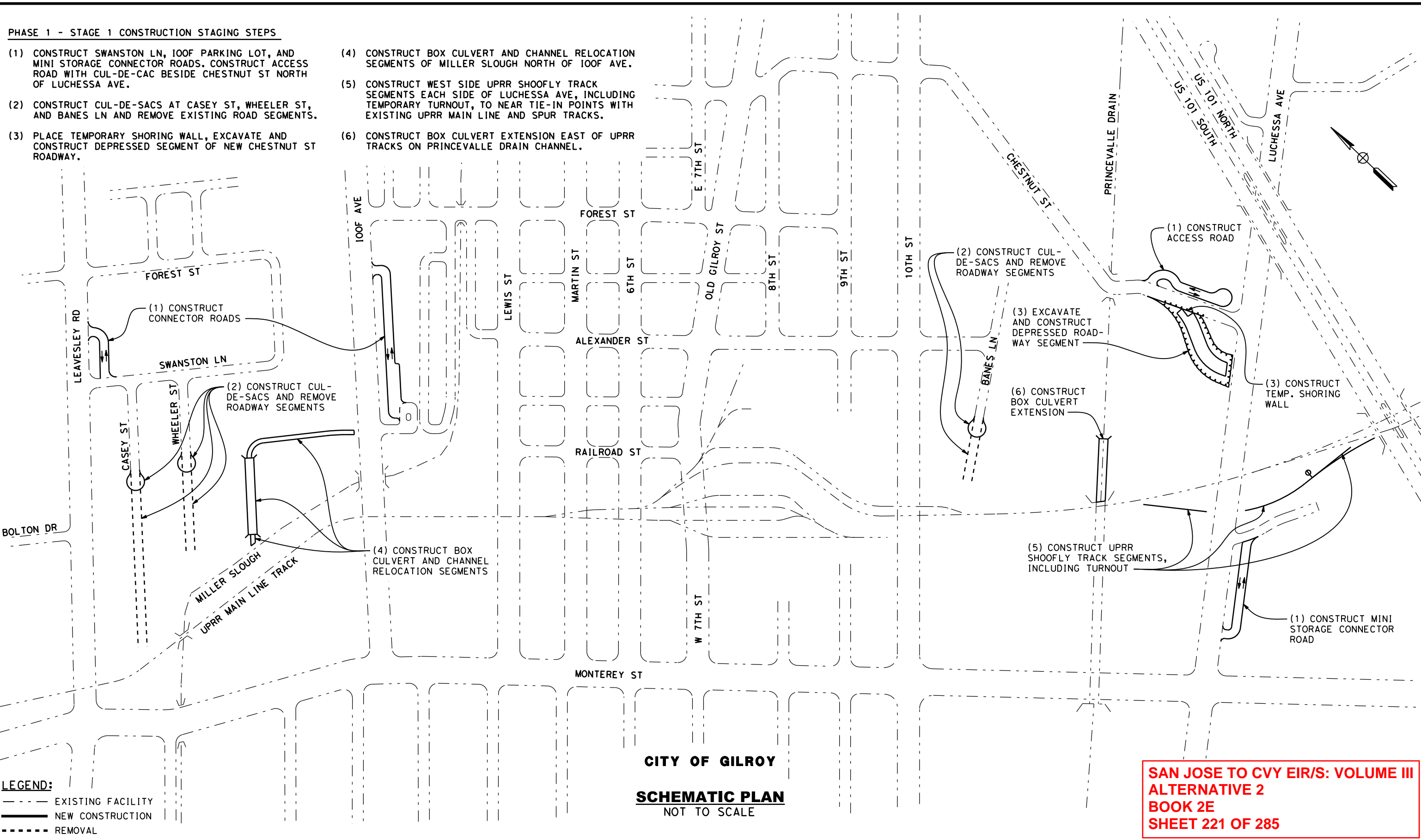
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PHASE 1 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT SWANSTON LN, IOOF PARKING LOT, AND MINI STORAGE CONNECTOR ROADS. CONSTRUCT ACCESS ROAD WITH CUL-DE-CAC BESIDE CHESTNUT ST NORTH OF LUCHESSA AVE.
- (2) CONSTRUCT CUL-DE-SACS AT CASEY ST, WHEELER ST, AND BANES LN AND REMOVE EXISTING ROAD SEGMENTS.
- (3) PLACE TEMPORARY SHORING WALL, EXCAVATE AND CONSTRUCT DEPRESSED SEGMENT OF NEW CHESTNUT ST ROADWAY.
- (4) CONSTRUCT BOX CULVERT AND CHANNEL RELOCATION SEGMENTS OF MILLER SLOUGH NORTH OF IOOF AVE.
- (5) CONSTRUCT WEST SIDE UPRR SHOOFLY TRACK SEGMENTS EACH SIDE OF LUCHESSA AVE, INCLUDING TEMPORARY TURNOUT, TO NEAR TIE-IN POINTS WITH EXISTING UPRR MAIN LINE AND SPUR TRACKS.
- (6) CONSTRUCT BOX CULVERT EXTENSION EAST OF UPRR TRACKS ON PRINCEVALLE DRAIN CHANNEL.



LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 1
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-11038
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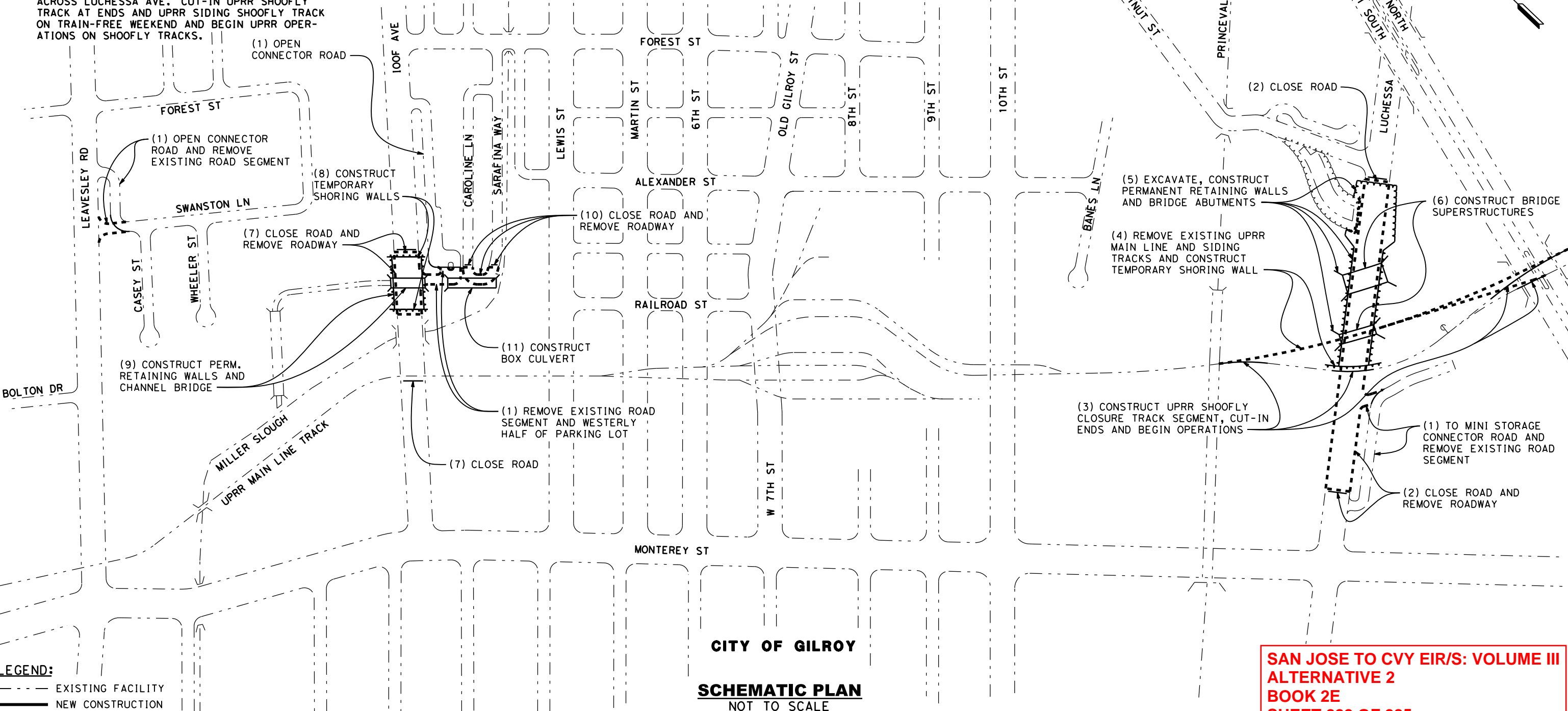
PHASE 1 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) OPEN SWANSTON LN, IOOF AVE PARKING LOT AND MINI STORAGE CONNECTOR ROAD TO SERVICE AND REMOVE EXISTING ROAD SEGMENTS. REMOVE WESTERLY HALF OF IOOF AVE PARKING LOT.
- (2) CLOSE LUCHESSA AVE AT MINI STORAGE CONNECTOR ROAD AND AT CHESTNUT ST FOR EXTENDED PERIOD AND REMOVE LUCHESSA AVE ROADWAY BETWEEN CLOSURE POINTS. DETOUR TRAFFIC TO 10TH ST/ CHESTNUT ST.
- (3) CONSTRUCT UPRR SHOOFLY TRACK CLOSURE SEGMENT ACROSS LUCHESSA AVE. CUT-IN UPRR SHOOFLY TRACK AT ENDS AND UPRR SIDING SHOOFLY TRACK ON TRAIN-FREE WEEKEND AND BEGIN UPRR OPERATIONS ON SHOOFLY TRACKS.

- (4) REMOVE EXISTING UPRR MAIN LINE, SIDING, AND TURNOUT TRACKS BETWEEN ENDS OF SHOOFLY TRACKS AND CONSTRUCT TEMPORARY SHORING WALL TO THE EAST OF THE UPRR SHOOFLY TRACK.
- (5) EXCAVATE AND CONSTRUCT PERMANENT LUCHESSA AVE DEPRESSION RETAINING WALLS OR CUT SLOPES AND UPRR AND HST BRIDGE ABUTMENTS BETWEEN LUCHESSA AVE CLOSURE POINTS.
- (6) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR AND HST BRIDGES AT LUCHESSA AVE.

- (7) CLOSE IOOF AVE AT UPRR TRACKS AND WEST OF IOOF AVE PARKING LOT CONNECTOR ROAD AND REMOVE IOOF AVE ROADWAY BETWEEN CLOSURE POINTS. DETOUR TRAFFIC TO LEWIS ST AND LEAVESLEY RD.
- (8) CONSTRUCT TEMPORARY SHORING WALLS JUST EAST OF EXISTING MILLER SLOUGH BRIDGE AND WEST OF EAST IOOF AVE CLOSURE POINT.
- (9) CONSTRUCT PERMANENT IOOF AVE DEPRESSION RETAINING WALLS AND MILLER SLOUGH CHANNEL BRIDGE BETWEEN IOOF AVE CLOSURE POINTS.

- (10) CLOSE CAROLINE LN/SARAFINA WAY LOOP AT WEST END AND REMOVE EXISTING ROADWAY BETWEEN CLOSURE POINTS.
- (11) CONSTRUCT MILLER SLOUGH BOX CULVERT AT CAROLINE LN/SARAFINA WAY LOOP.



CITY OF GILROY
SCHMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED**
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 2
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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PHASE 1 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT MILLER SLOUGH CHANNEL SEGMENT BETWEEN IOOF AVE BRIDGE AND CAROLINE LN BOX CULVERT, AND CHANNEL CONNECTION AT EACH END OF MILLER SLOUGH RELOCATION. OPEN RELOCATED MILLER SLOUGH CHANNEL TO STREAM FLOW.
- (2) FILL EXISTING MILLER SLOUGH CHANNEL AND REMOVE EXISTING IOOF AVE ROADWAY AND BRIDGE OVER MILLER SLOUGH CHANNEL.
- (3) CONSTRUCT CAROLINE LN/SARAFINA WAY LOOP ROADWAY OVER NEW BOX CULVERT AND OPEN CAROLINE LN AND SARAFINA WAY TO NORMAL TRAFFIC FLOW.

- (4) CLOSE SOUTHBOUND LANE OF CHESTNUT ST AND REROUTE TO TWO-WAY TRAFFIC ON NORTHBOUND LANES. REMOVE EXISTING WEST HALF OF ROADWAY AND CONSTRUCT TEMPORARY SHORING WALLS ALONG CENTERLINE OF ROADWAY. REMOVE WEST SIDE TEMPORARY SHORING WALLS, EXCAVATE AND CONSTRUCT SEGMENT OF NEW DEPRESSED CHESTNUT ST ROADWAY AT NORTH END.
- (5) CLOSE SOUTH HALF OF LUCHESSA AVE EAST OF CHESTNUT ST AND DIVERT TRAFFIC TO ONE LANE EACH WAY ON NORTH HALF OF ROADWAY. REMOVE EXISTING SOUTH HALF ROADWAY, CONSTRUCT TEMPORARY SHORING WALL ALONG CENTERLINE OF ROADWAY AND EXCAVATE SOUTH HALF OF DEPRESSED LUCHESSA AVE TO FINAL GRADE.

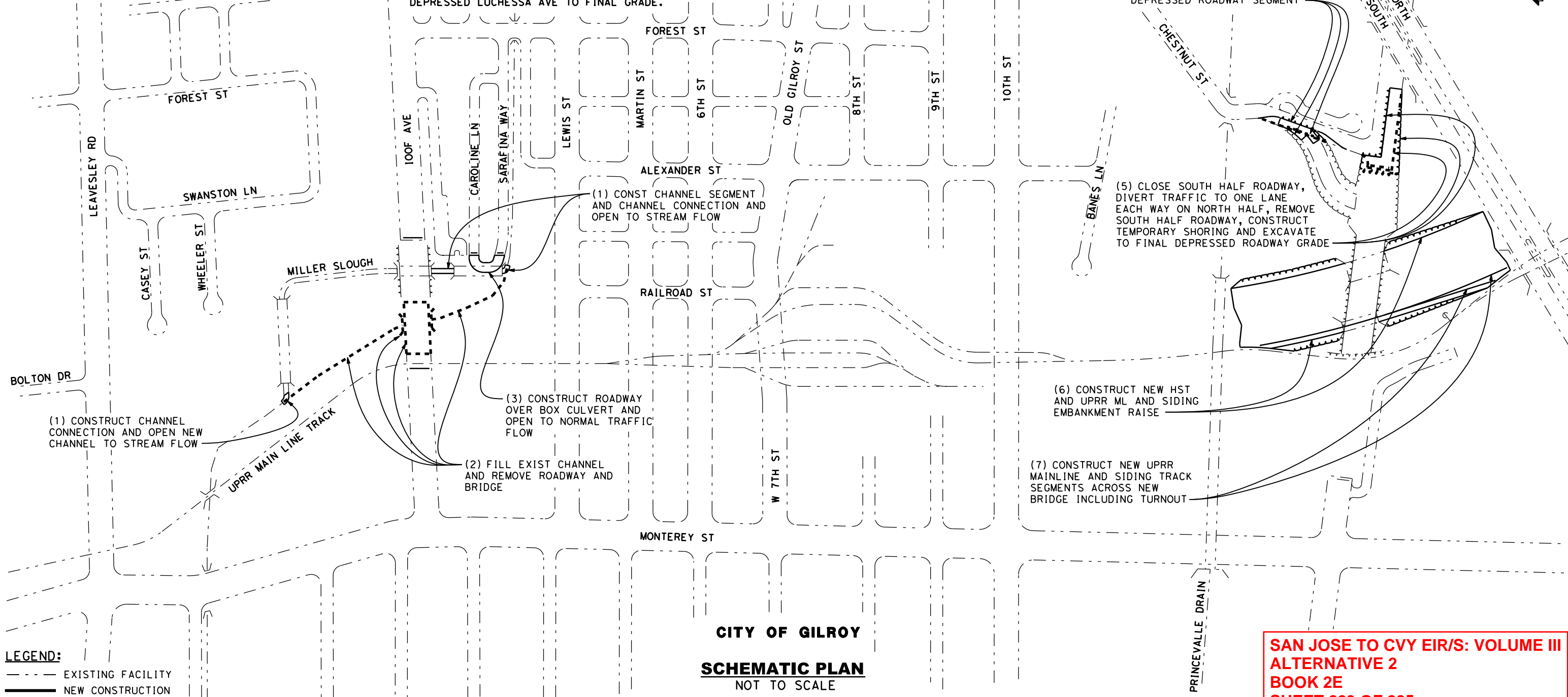
- (6) CONSTRUCT FULL HST EMBANKMENT AND FULL UPRR EMBANKMENT RAISE ON THE SOUTH APPROACHES OF THE LUCHESSA AVE BRIDGES. CONSTRUCT FULL HST EMBANKMENT RAISE AND UPRR TRANSITION TO EXISTING GRADE EMBANKMENT RAISE ON THE NORTH APPROACHES OF THE LUCHESSA AVE BRIDGES.
- (7) CONSTRUCT UPRR MAIN LINE AND SIDING TRACK SEGMENTS ACROSS NEW LUCHESSA AVE BRIDGE, INCLUDING TURNOUT, AND TO NEAR TIE-IN POINTS AT EACH END.

- (4) CLOSE SB LANE, REROUTE TO TWO-WAY TRAFFIC ON EAST SIDE, REMOVE EXISTING WEST SIDE ROADWAY AND TEMPORARY SHORING WALL, CONST TEMPORARY NEW CENTERLINE SHORING WALL, EXCAVATE, AND CONSTRUCT NEW DEPRESSED ROADWAY SEGMENT

- (5) CLOSE SOUTH HALF ROADWAY, DIVERT TRAFFIC TO ONE LANE EACH WAY ON NORTH HALF, REMOVE SOUTH HALF ROADWAY, CONSTRUCT TEMPORARY SHORING AND EXCAVATE TO FINAL DEPRESSED ROADWAY GRADE

- (6) CONSTRUCT NEW HST AND UPRR ML AND SIDING EMBANKMENT RAISE

- (7) CONSTRUCT NEW UPRR MAINLINE AND SIDING TRACK SEGMENTS ACROSS NEW BRIDGE INCLUDING TURNOUT



LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
 NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
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 CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 3
 DOWNTOWN GILROY

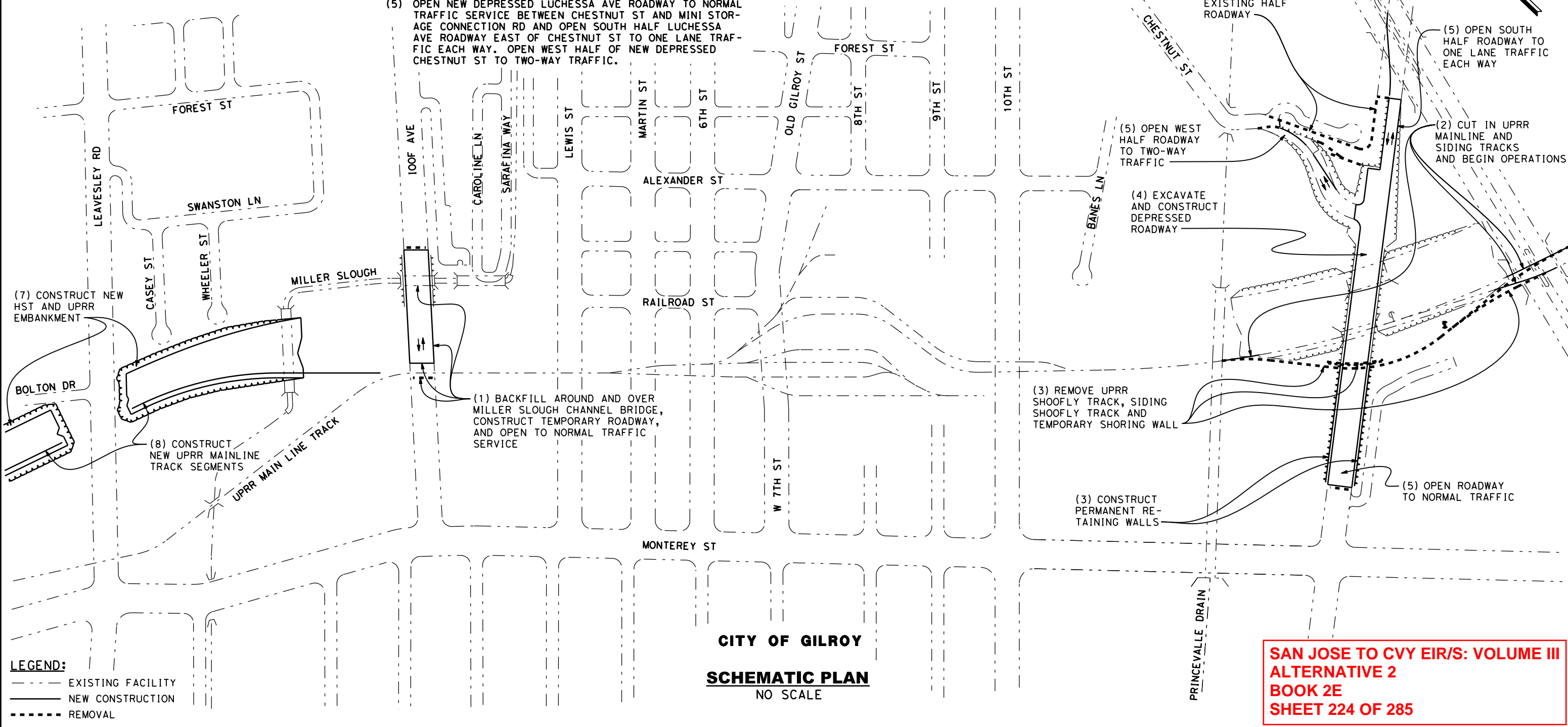
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PHASE 1 - STAGE 4 CONSTRUCTION STAGING STEPS

- (1) BACKFILL BETWEEN PERMANENT IOOF AVE DEPRESSION RETAINING WALLS AND AROUND AND OVER MILLER SLOUGH CHANNEL BRIDGE UP TO ORIGINAL GRADE. CONSTRUCT TEMPORARY ROADWAY OVER THE TOP OF THE MILLER SLOUGH CHANNEL BRIDGE BETWEEN IOOF AVE CLOSURE POINTS. OPEN TEMPORARY IOOF AVE TO NORMAL TRAFFIC SERVICE.
- (2) CUT-IN UPRR MAIN LINE TRACK AT EACH END AND UPRR SIDING TRACK ON TRAIN FREE WEEKEND AND BEGIN UPRR MAINLINE OPERATIONS ACROSS LUCHESSA AVE BRIDGE.

- (3) REMOVE UPRR SHOOFLY TRACK, SIDING SHOOFLY TRACK, AND TEMPORARY SHORING WALL AT LUCHESSA AVE AND CONSTRUCT PERMANENT LUCHESSA AVE DEPRESSION RETAINING WALLS WEST OF UPRR.
- (4) EXCAVATE AND CONSTRUCT NEW LUCHESSA AVE ROADWAY BETWEEN CHESTNUT ST AND MINI STORAGE CONNECTION ROAD, INCLUDING DEPRESSED INTERSECTION WITH CHESTNUT ST CONSTRUCTION SOUTH HALF OF NEW LUCHESSA AVE ROADWAY EAST OF CHESTNUT ST TO CONNECTION AT GRADE AT US-101.
- (5) OPEN NEW DEPRESSED LUCHESSA AVE ROADWAY TO NORMAL TRAFFIC SERVICE BETWEEN CHESTNUT ST AND MINI STORAGE CONNECTION RD AND OPEN SOUTH HALF LUCHESSA AVE ROADWAY EAST OF CHESTNUT ST TO ONE LANE TRAFFIC EACH WAY. OPEN WEST HALF OF NEW DEPRESSED CHESTNUT ST TO TWO-WAY TRAFFIC.

- (6) REMOVE EXISTING EAST HALF CHESTNUT ST ROADWAY AT LUCHESSA AVE END AND EXISTING NORTH HALF LUCHESSA AVE ROADWAY BETWEEN CHESTNUT ST AND US-101.
- (7) CONSTRUCT FULL HST AND UPRR EMBANKMENT RAISE NORTH OF LEAVESLEY RD CLEAR OF BOLTON DR CONSTRUCT HST AND UPRR TRANSITION TO EXISTING GRADE EMBANKMENT RAISE SOUTH OF LEAVESLEY RD.
- (8) CONSTRUCT NEW UPRR MAINLINE TRACK SEGMENTS ON NEW EMBANKMENTS NORTH AND SOUTH OF LEAVESLEY RD TO NEAR TIE-IN POINTS TO EXISTING UPRR MAINLINE AT EACH END.



LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
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SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
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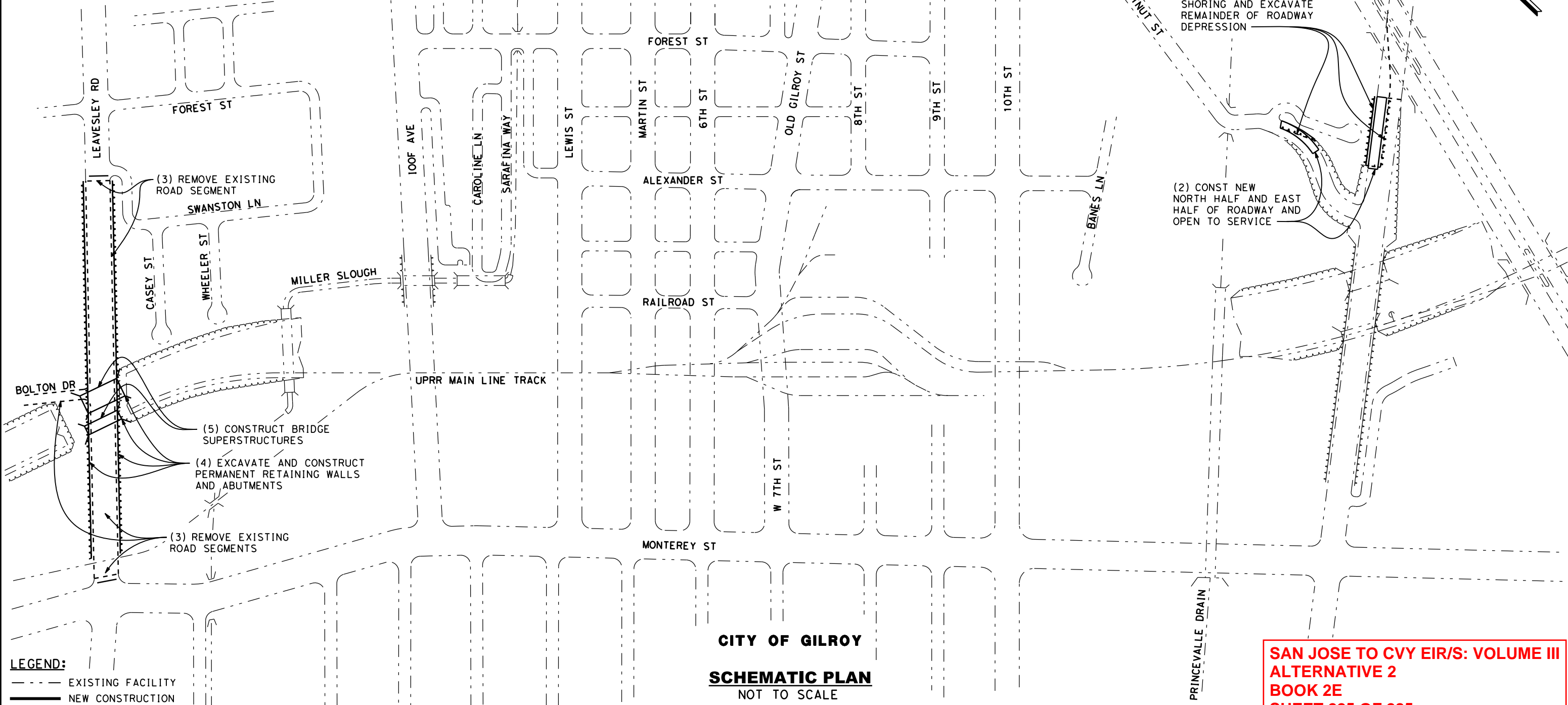


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 1-STAGE 4
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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PHASE 2 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT PERMANENT LUCHESSA AVE DEPRESSION RETAINING WALL ON NORTH SIDE BETWEEN CHESTNUT ST AND US-101. REMOVE TEMPORARY SHORING WALLS IN LUCHESSA AVE AND CHESTNUT ST AND EXCAVATE REMAINDER OF DEPRESSED ROADWAY GRADE.
- (2) CONSTRUCT NEW NORTH HALF LUCHESSA AVE ROADWAY SEGMENT BETWEEN CHESTNUT ST AND US-101 AND NEW EAST HALF CHESTNUT ST ROADWAY SEGMENT AT NORTH END OF DEPRESSION. OPEN NEW DEPRESSED LUCHESSA AVE AND CHESTNUT ST TO NORMAL FULL TRAFFIC SERVICE.
- (3) CLOSE LEAVESLEY RD AT MONTEREY ST AND SWANSTON LN CONNECTOR ROAD FOR EXTENDED PERIOD AND REMOVE LEAVESLEY RD ROADWAY BETWEEN CLOSURE POINTS. DETOUR TRAFFIC TO 10TH ST, IOOF AVE, OR LEWIS ST PERMANENTLY CLOSE BOLTON DR AND REMOVE BOLTON DR ROADWAY.
- (4) EXCAVATE AND CONSTRUCT PERMANENT LEAVESLEY RD DEPRESSION RETAINING WALLS OR CUT SLOPES AND UPRR AND HST BRIDGE ABUTMENTS BETWEEN LEAVESLEY RD CLOSURE POINTS.
- (5) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR AND HST BRIDGES AT LEAVESLEY RD.



LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
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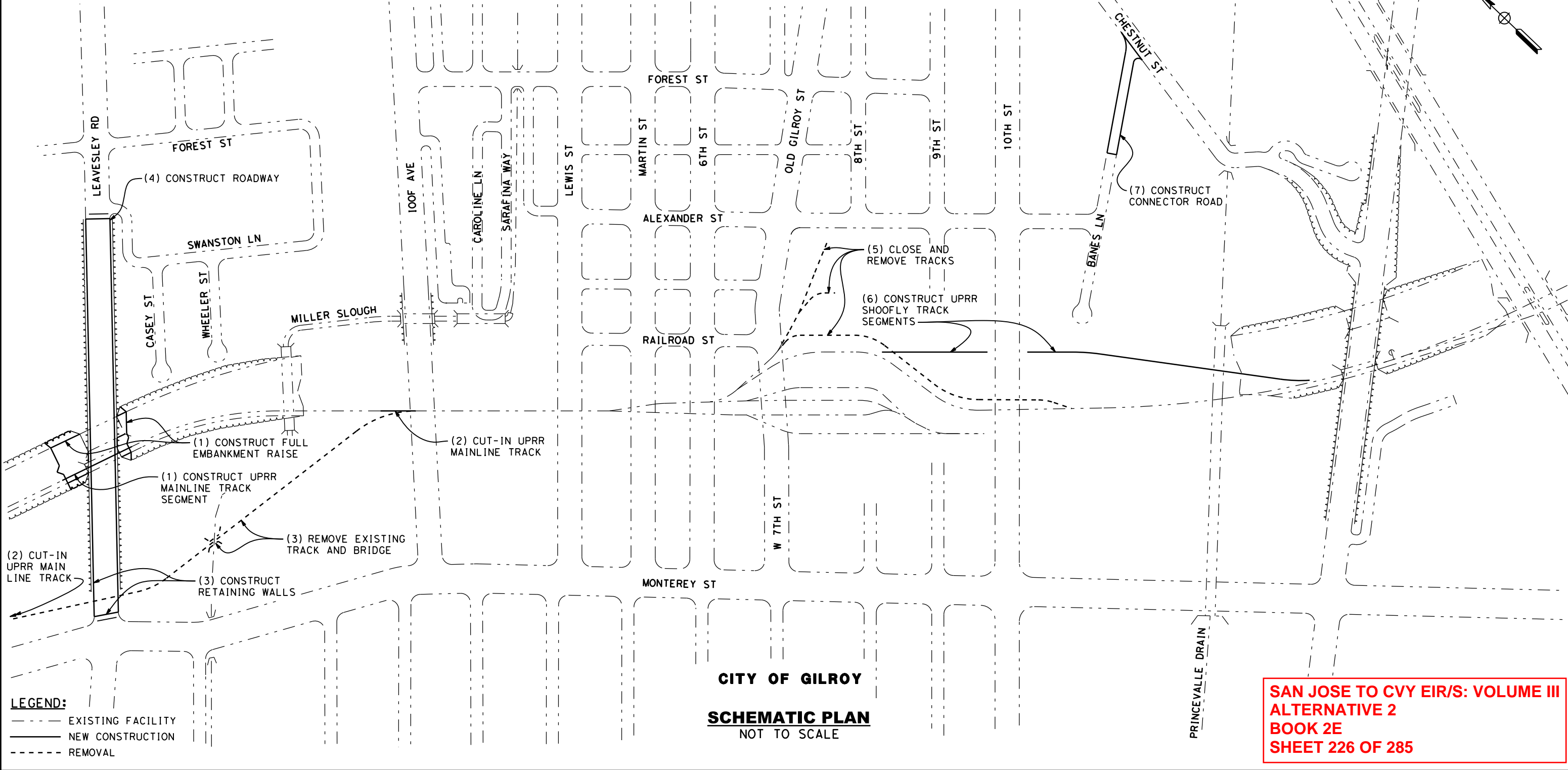
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 DOWNTOWN GILROY

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PHASE 2 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT FULL HST AND UPRR EMBANKMENT RAISE ON BOTH NORTH AND SOUTH APPROACHES TO THE BRIDGES OVER LEAVESLEY RD AND CONSTRUCT NEW UPRR MAIN LINE TRACK SEGMENT ACROSS LEAVESLEY RD BRIDGE.
- (2) CUT-IN UPRR MAINLINE TRACK AT EACH END ON TRAIN-FREE WEEKEND AND BEGIN UPRR MAINLINE OPERATIONS ACROSS LEAVESLEY RD BRIDGE.
- (3) REMOVE ORIGINAL UPRR MAIN LINE TRACK BETWEEN IOOF AVE AND LAS ANIMAS AVE, INCLUDING BRIDGE OVER MILLER SLOUGH. CONSTRUCT PERMANENT LEAVESLEY RD DEPRESSION RETAINING WALLS JUST EAST OF MONTEREY ST.
- (4) EXCAVATE DEPRESSION AND CONSTRUCT NEW LEAVESLEY RD ROADWAY.
- (5) CLOSE DOWNTOWN GILROY AREA UPRR SIDING TRACKS AND SPUR TRACKS TO SERVICE AND REMOVE UPRR SIDING TRACKS AND SPUR TRACKS SOUTH OF OLD GILROY ST.
- (6) CONSTRUCT EAST SIDE UPRR SHOOFLY TRACK SEGMENTS EACH SIDE OF 10TH ST TO NEAR TIE-IN POINTS WITH EXISTING UPRR MAINLINE TRACK.
- (7) CONSTRUCT BANES LANE CONNECTOR ROAD.

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LEGEND:
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 _____ NEW CONSTRUCTION
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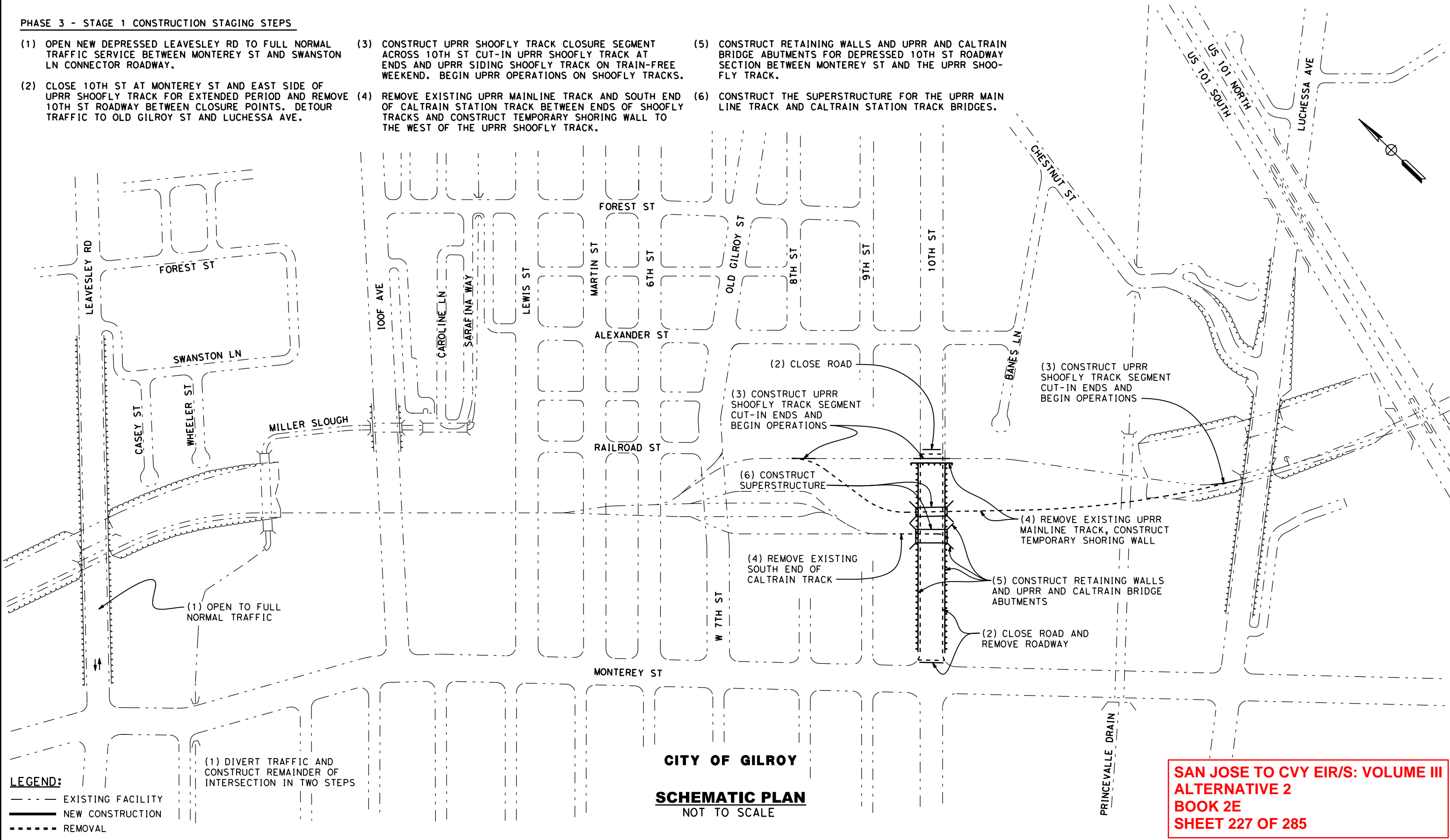
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 DOWNTOWN GILROY

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PHASE 3 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) OPEN NEW DEPRESSED LEAVESLEY RD TO FULL NORMAL TRAFFIC SERVICE BETWEEN MONTEREY ST AND SWANSTON LN CONNECTOR ROADWAY.
- (2) CLOSE 10TH ST AT MONTEREY ST AND EAST SIDE OF UPRR SHOOFLY TRACK FOR EXTENDED PERIOD AND REMOVE 10TH ST ROADWAY BETWEEN CLOSURE POINTS. DETOUR TRAFFIC TO OLD GILROY ST AND LUCHESSA AVE.
- (3) CONSTRUCT UPRR SHOOFLY TRACK CLOSURE SEGMENT ACROSS 10TH ST CUT-IN UPRR SHOOFLY TRACK AT ENDS AND UPRR SIDING TRACK ON TRAIN-FREE WEEKEND. BEGIN UPRR OPERATIONS ON SHOOFLY TRACKS.
- (4) REMOVE EXISTING UPRR MAINLINE TRACK AND SOUTH END OF CALTRAIN STATION TRACK BETWEEN ENDS OF SHOOFLY TRACKS AND CONSTRUCT TEMPORARY SHORING WALL TO THE WEST OF THE UPRR SHOOFLY TRACK.
- (5) CONSTRUCT RETAINING WALLS AND UPRR AND CALTRAIN BRIDGE ABUTMENTS FOR DEPRESSED 10TH ST ROADWAY SECTION BETWEEN MONTEREY ST AND THE UPRR SHOOFLY TRACK.
- (6) CONSTRUCT THE SUPERSTRUCTURE FOR THE UPRR MAIN LINE TRACK AND CALTRAIN STATION TRACK BRIDGES.

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LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 REMOVAL

(1) DIVERT TRAFFIC AND CONSTRUCT REMAINDER OF INTERSECTION IN TWO STEPS

CITY OF GILROY
SCHEMATIC PLAN
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SAN JOSE TO CVY EIR/S: VOLUME III
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 DOWNTOWN GILROY

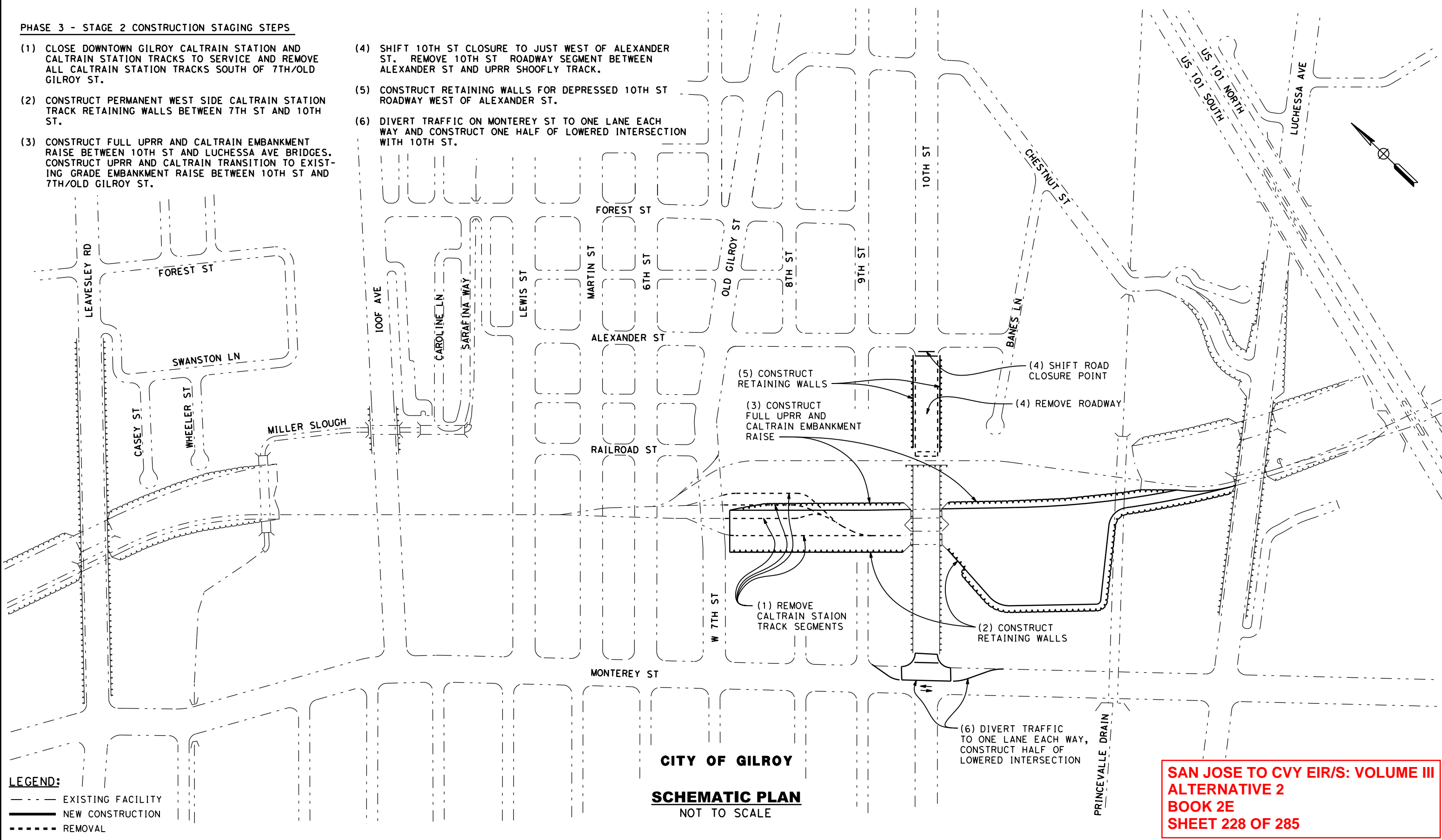
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PHASE 3 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CLOSE DOWNTOWN GILROY CALTRAIN STATION AND CALTRAIN STATION TRACKS TO SERVICE AND REMOVE ALL CALTRAIN STATION TRACKS SOUTH OF 7TH/OLD GILROY ST.
- (2) CONSTRUCT PERMANENT WEST SIDE CALTRAIN STATION TRACK RETAINING WALLS BETWEEN 7TH ST AND 10TH ST.
- (3) CONSTRUCT FULL UPRR AND CALTRAIN EMBANKMENT RAISE BETWEEN 10TH ST AND LUCHESSA AVE BRIDGES. CONSTRUCT UPRR AND CALTRAIN TRANSITION TO EXISTING GRADE EMBANKMENT RAISE BETWEEN 10TH ST AND 7TH/OLD GILROY ST.

- (4) SHIFT 10TH ST CLOSURE TO JUST WEST OF ALEXANDER ST. REMOVE 10TH ST ROADWAY SEGMENT BETWEEN ALEXANDER ST AND UPRR SHOOFLY TRACK.
- (5) CONSTRUCT RETAINING WALLS FOR DEPRESSED 10TH ST ROADWAY WEST OF ALEXANDER ST.
- (6) DIVERT TRAFFIC ON MONTEREY ST TO ONE LANE EACH WAY AND CONSTRUCT ONE HALF OF LOWERED INTERSECTION WITH 10TH ST.

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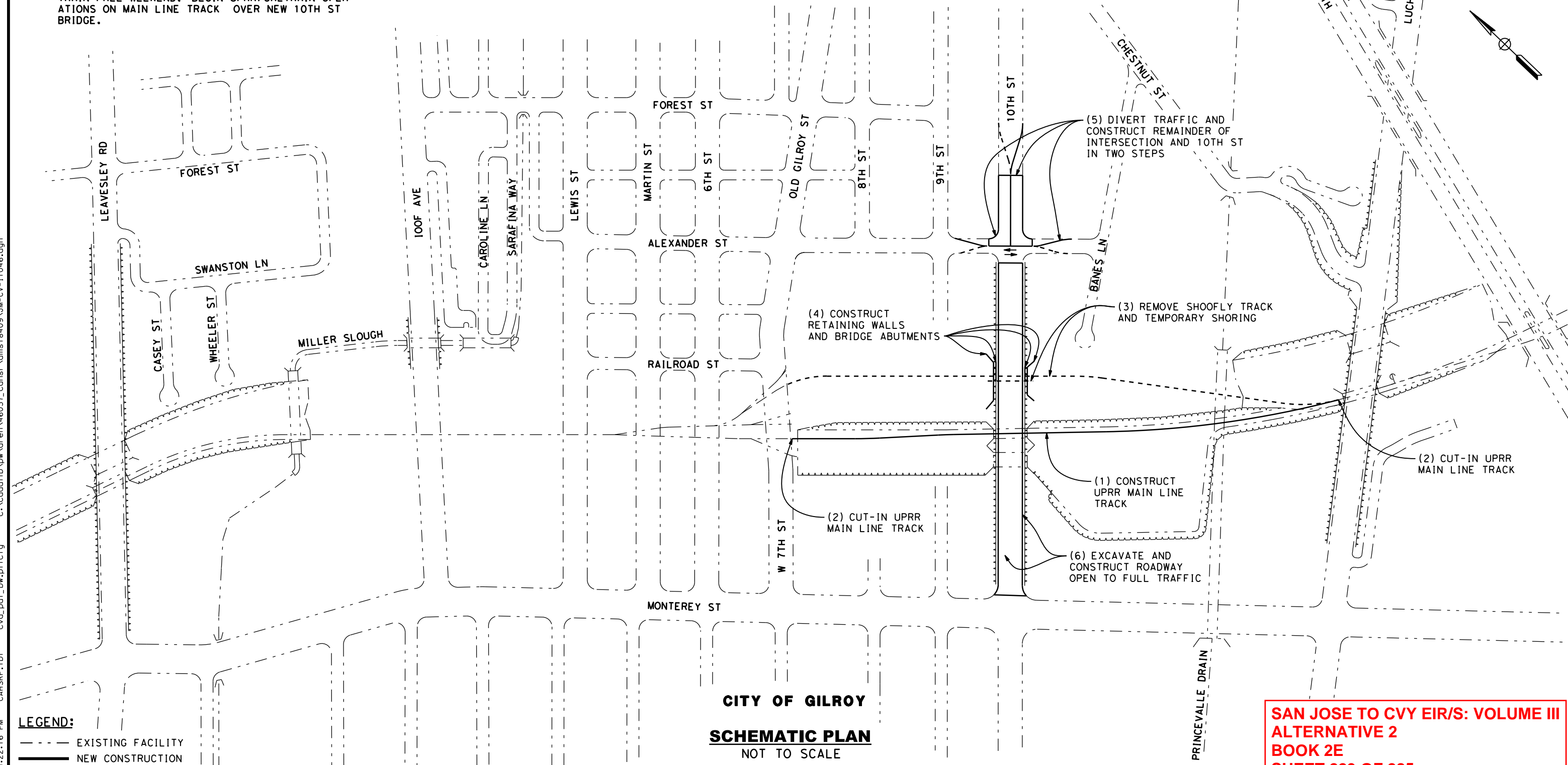
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 DOWNTOWN GILROY

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PHASE 3 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT UPRR MAINLINE TRACK SEGMENT ACROSS NEW 10TH ST BRIDGE AND BETWEEN 7TH ST AND LUCHESSA AVE TO NEAR TIE-IN POINTS.
- (2) CUT-IN UPRR MAIN LINE TRACK AT NORTH END NEAR 7TH ST AND AT SOUTH END NEAR LUCHESSA AVE ON TRAIN-FREE WEEKEND. BEGIN UPRR/CALTRAIN OPERATIONS ON MAIN LINE TRACK OVER NEW 10TH ST BRIDGE.
- (3) REMOVE UPRR SHOOFLY TRACK ACROSS 10TH ST AND BETWEEN 7TH ST AND LUCHESSA AVE. REMOVE TEMP SHORING AT 10TH ST.
- (4) CONSTRUCT RETAINING WALLS AND HST BRIDGE ABUTMENTS FOR DEPRESSED 10TH ST ROADWAY SECTIONS.
- (5) DIVERT TRAFFIC AND CONSTRUCT REMAINDER OF INTERSECTION AND 10TH ST IN TWO STEPS
- (6) EXCAVATE DEPRESSION AND CONSTRUCT NEW 10TH ST ROADWAY. OPEN NEW 10TH ST TO NORMAL TRAFFIC.



LEGEND:
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 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

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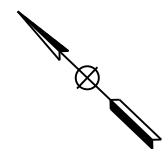
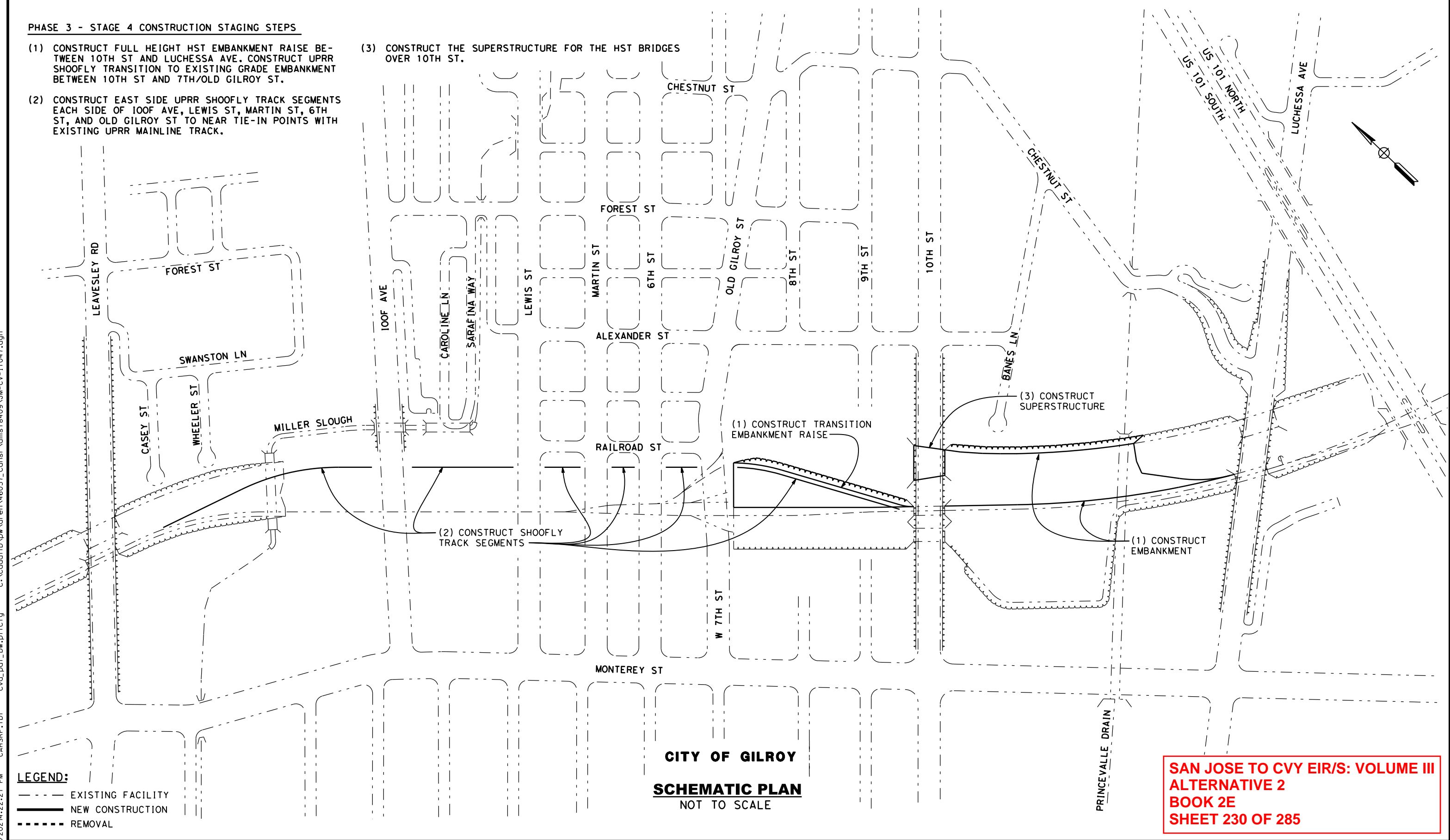
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PHASE 3 - STAGE 4 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT FULL HEIGHT HST EMBANKMENT RAISE BETWEEN 10TH ST AND LUCHESSA AVE. CONSTRUCT UPRR SHOOFLY TRANSITION TO EXISTING GRADE EMBANKMENT BETWEEN 10TH ST AND 7TH/OLD GILROY ST.
- (2) CONSTRUCT EAST SIDE UPRR SHOOFLY TRACK SEGMENTS EACH SIDE OF 100F AVE, LEWIS ST, MARTIN ST, 6TH ST, AND OLD GILROY ST TO NEAR TIE-IN POINTS WITH EXISTING UPRR MAINLINE TRACK.

- (3) CONSTRUCT THE SUPERSTRUCTURE FOR THE HST BRIDGES OVER 10TH ST.



LEGEND:
 - - - - - EXISTING FACILITY
 _____ NEW CONSTRUCTION
 REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
 NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 230 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 3-STAGE 4
 DOWNTOWN GILROY

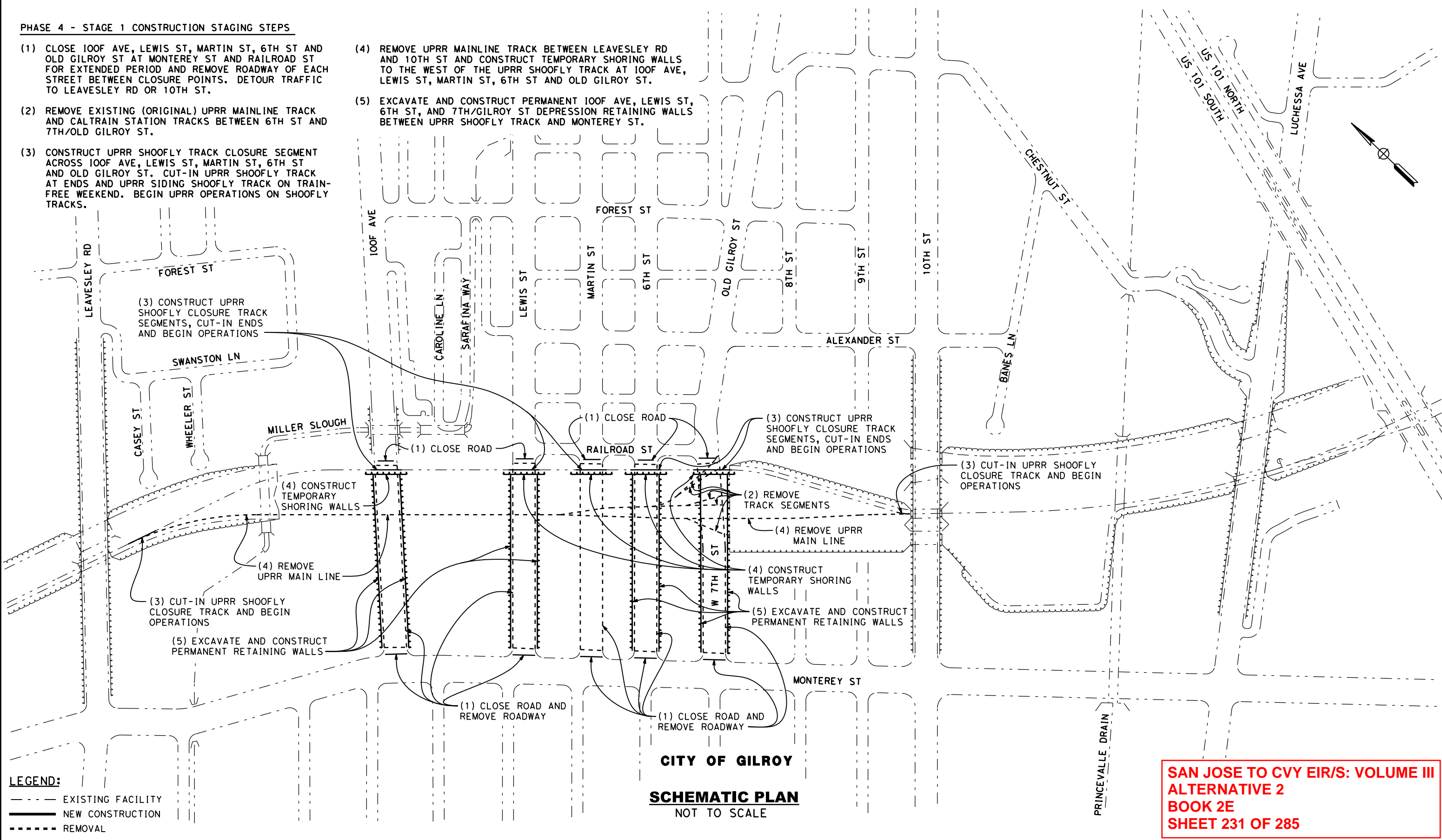
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PHASE 4 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CLOSE IOOF AVE, LEWIS ST, MARTIN ST, 6TH ST AND OLD GILROY ST AT MONTEREY ST AND RAILROAD ST FOR EXTENDED PERIOD AND REMOVE ROADWAY OF EACH STREET BETWEEN CLOSURE POINTS. DETOUR TRAFFIC TO LEAVESLEY RD OR 10TH ST.
- (2) REMOVE EXISTING (ORIGINAL) UPRR MAINLINE TRACK AND CALTRAIN STATION TRACKS BETWEEN 6TH ST AND 7TH/OLD GILROY ST.
- (3) CONSTRUCT UPRR SHOOFLY TRACK CLOSURE SEGMENT ACROSS IOOF AVE, LEWIS ST, MARTIN ST, 6TH ST AND OLD GILROY ST. CUT-IN UPRR SHOOFLY TRACK AT ENDS AND UPRR SIDING SHOOFLY TRACK ON TRAIN-FREE WEEKEND. BEGIN UPRR OPERATIONS ON SHOOFLY TRACKS.

- (4) REMOVE UPRR MAINLINE TRACK BETWEEN LEAVESLEY RD AND 10TH ST AND CONSTRUCT TEMPORARY SHORING WALLS TO THE WEST OF THE UPRR SHOOFLY TRACK AT IOOF AVE, LEWIS ST, MARTIN ST, 6TH ST AND OLD GILROY ST.
- (5) EXCAVATE AND CONSTRUCT PERMANENT IOOF AVE, LEWIS ST, 6TH ST, AND 7TH/GILROY ST DEPRESSION RETAINING WALLS BETWEEN UPRR SHOOFLY TRACK AND MONTEREY ST.

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LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
 NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 231 OF 285

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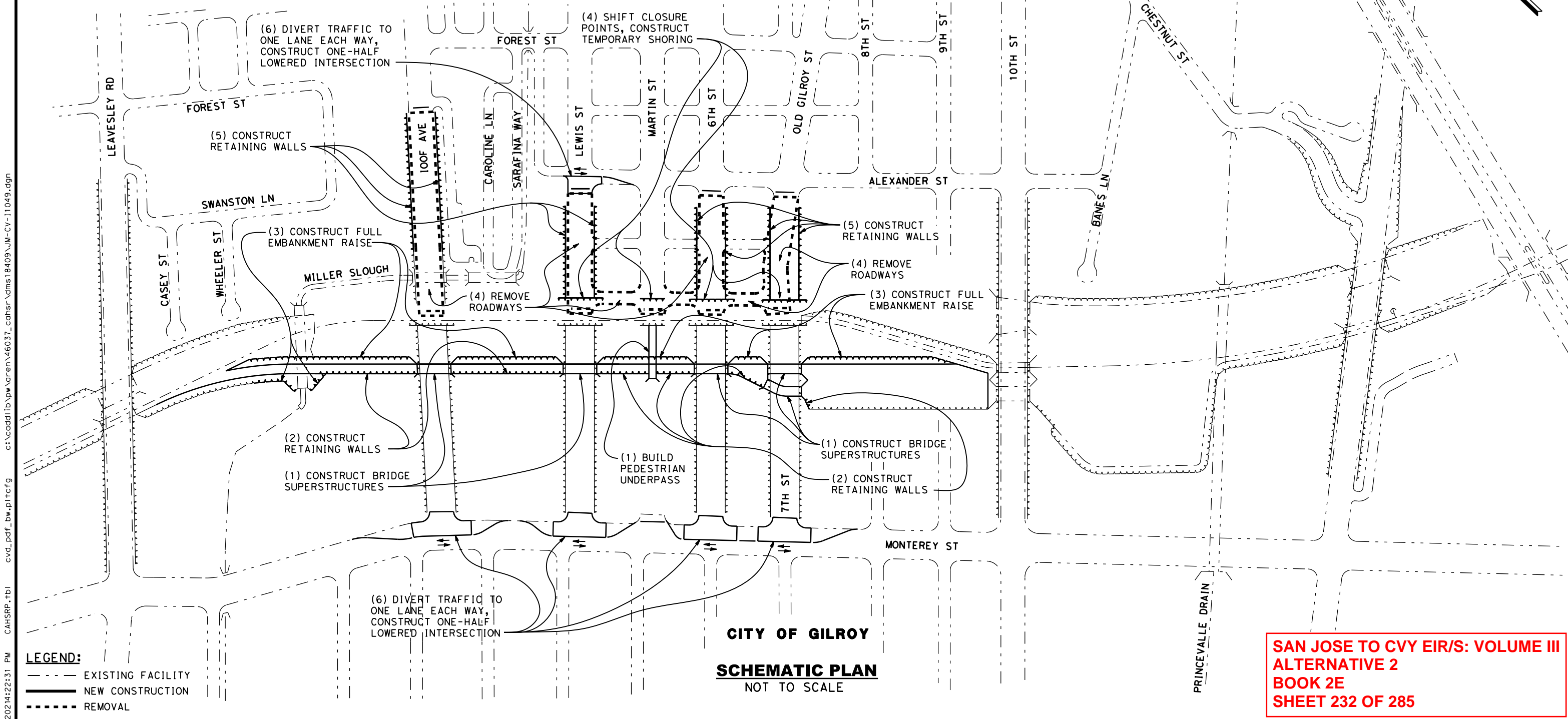


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 1
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-11048
SCALE	AS SHOWN
SHEET NO.	

PHASE 4 - STAGE 2 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT THE UPRR MAIN LINE TRACK BRIDGES AT IOOF AVE, LEWIS ST, 6TH ST, AND 7TH/OLD GILROY ST, AND THE CALTRAIN STATION TRACK BRIDGE AT 7TH ST. CONSTRUCT THE 10x14 BOX PEDESTRIAN UNDERPASS AT MARTIN ST.
- (2) CONSTRUCT PERMANENT WEST SIDE CALTRAIN STATION TRACK AND UPRR MAIN LINE TRACK RETAINING WALLS BETWEEN MILLER SLOUGH AND 7TH ST.
- (3) CONSTRUCT FULL UPRR AND CALTRAIN EMBANKMENT RAISE BETWEEN LEAVESLEY RD AND 10TH ST.
- (4) SHIFT LEWIS ST, 6TH ST AND OLD GILROY ST CLOSURE TO JUST WEST OF ALEXANDER ST. REMOVE LEWIS ST, 6TH ST AND OLD GILROY ST ROADWAY SEGMENTS BETWEEN ALEXANDER ST AND UPRR SHOOFLY TRACK. SHIFT IOOF AVE CLOSURE TO JUST WEST OF IOOF AVE PARKING LOT CONNECTOR ROAD AND REMOVE IOOF AVE ROADWAY SEGMENT BETWEEN IOOF AVE PARKING LOT CONNECTOR ROAD AND UPRR SHOOFLY TRACK. CONSTRUCT TEMPORARY SHORING WALL TO THE EAST OF UPRR SHOOFLY TRACK.
- (5) CONSTRUCT RETAINING WALLS FOR DEPRESSED LEWIS ST, 6TH ST, AND OLD GILROY ST WEST OF ALEXANDER ST. CONSTRUCT RETAINING WALLS FOR DEPRESSED IOOF AVE WEST OF IOOF AVE PARKING LOT CONNECTOR ROAD TO WALLS AT MILLER SLOUGH BRIDGE.
- (6) DIVERT TRAFFIC ON MONTEREY ST TO ONE LANE EACH WAY ON WEST HALF OF STREET AT IOOF AVE, LEWIS ST, 6TH ST AND 7TH ST. CONSTRUCT ONE-HALF LOWERED INTERSECTIONS. DIVERT TRAFFIC ON ALEXANDER ST TO LEWIS ST. CONSTRUCT ONE-HALF LOWERED INTERSECTION.



CITY OF GILROY
SCHMATIC PLAN
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**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
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LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

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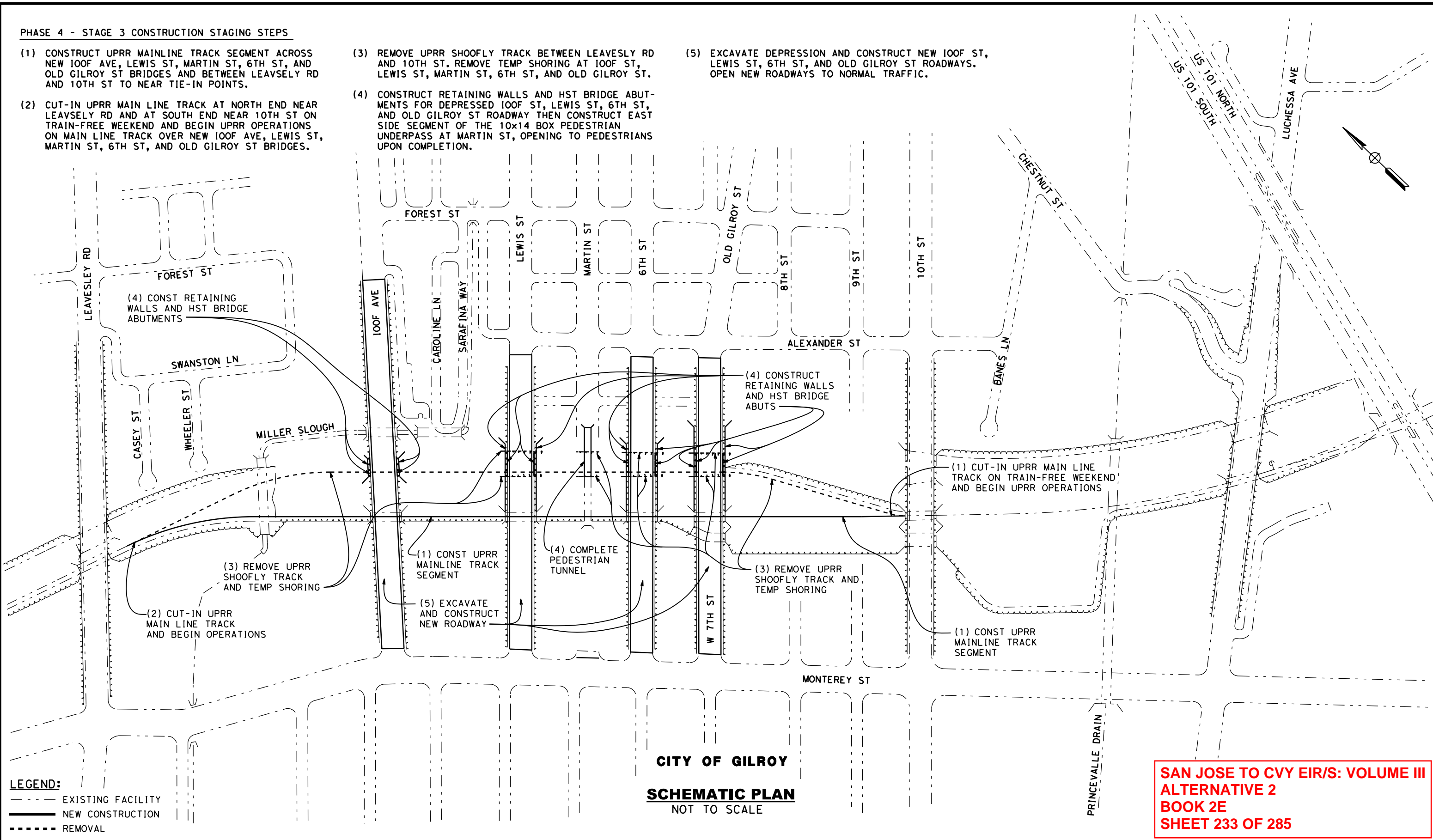
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 2
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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PHASE 4 - STAGE 3 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT UPRR MAINLINE TRACK SEGMENT ACROSS NEW IOOF AVE, LEWIS ST, MARTIN ST, 6TH ST, AND OLD GILROY ST BRIDGES AND BETWEEN LEAVSELY RD AND 10TH ST TO NEAR TIE-IN POINTS.
- (2) CUT-IN UPRR MAIN LINE TRACK AT NORTH END NEAR LEAVSELY RD AND AT SOUTH END NEAR 10TH ST ON TRAIN-FREE WEEKEND AND BEGIN UPRR OPERATIONS ON MAIN LINE TRACK OVER NEW IOOF AVE, LEWIS ST, MARTIN ST, 6TH ST, AND OLD GILROY ST BRIDGES.
- (3) REMOVE UPRR SHOOFLY TRACK BETWEEN LEAVSELY RD AND 10TH ST. REMOVE TEMP SHORING AT IOOF ST, LEWIS ST, MARTIN ST, 6TH ST, AND OLD GILROY ST.
- (4) CONSTRUCT RETAINING WALLS AND HST BRIDGE ABUTMENTS FOR DEPRESSED IOOF ST, LEWIS ST, 6TH ST, AND OLD GILROY ST ROADWAY THEN CONSTRUCT EAST SIDE SEGMENT OF THE 10x14 BOX PEDESTRIAN UNDERPASS AT MARTIN ST, OPENING TO PEDESTRIANS UPON COMPLETION.
- (5) EXCAVATE DEPRESSION AND CONSTRUCT NEW IOOF ST, LEWIS ST, 6TH ST, AND OLD GILROY ST ROADWAYS. OPEN NEW ROADWAYS TO NORMAL TRAFFIC.

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LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
 NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 233 OF 285

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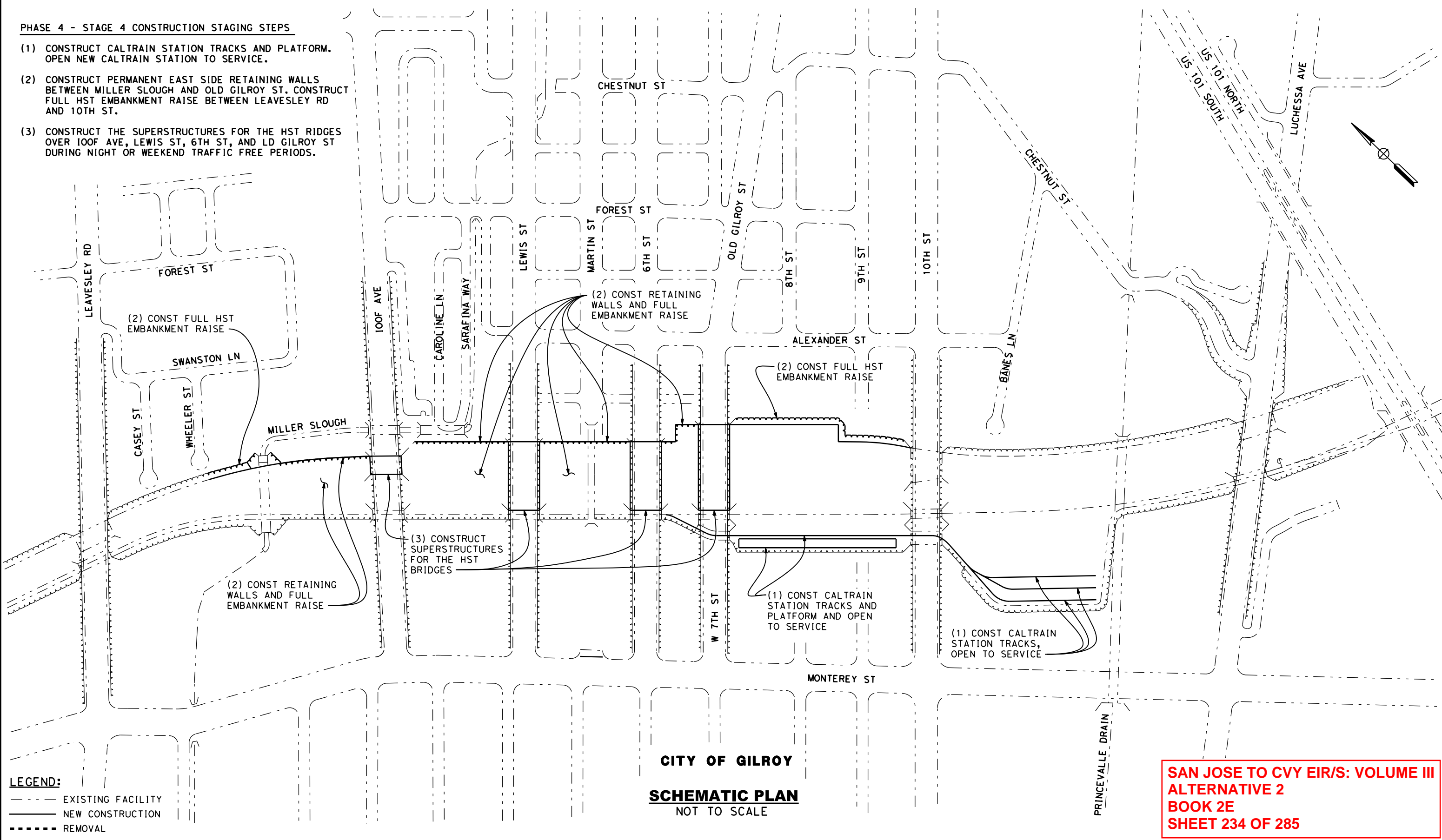
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 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 3
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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PHASE 4 - STAGE 4 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT CALTRAIN STATION TRACKS AND PLATFORM. OPEN NEW CALTRAIN STATION TO SERVICE.
- (2) CONSTRUCT PERMANENT EAST SIDE RETAINING WALLS BETWEEN MILLER SLOUGH AND OLD GILROY ST. CONSTRUCT FULL HST EMBANKMENT RAISE BETWEEN LEAVESLEY RD AND 10TH ST.
- (3) CONSTRUCT THE SUPERSTRUCTURES FOR THE HST RIDGES OVER 100F AVE, LEWIS ST, 6TH ST, AND LD GILROY ST DURING NIGHT OR WEEKEND TRAFFIC FREE PERIODS.

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CITY OF GILROY
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SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 234 OF 285

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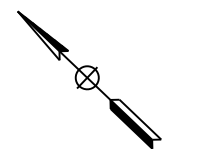
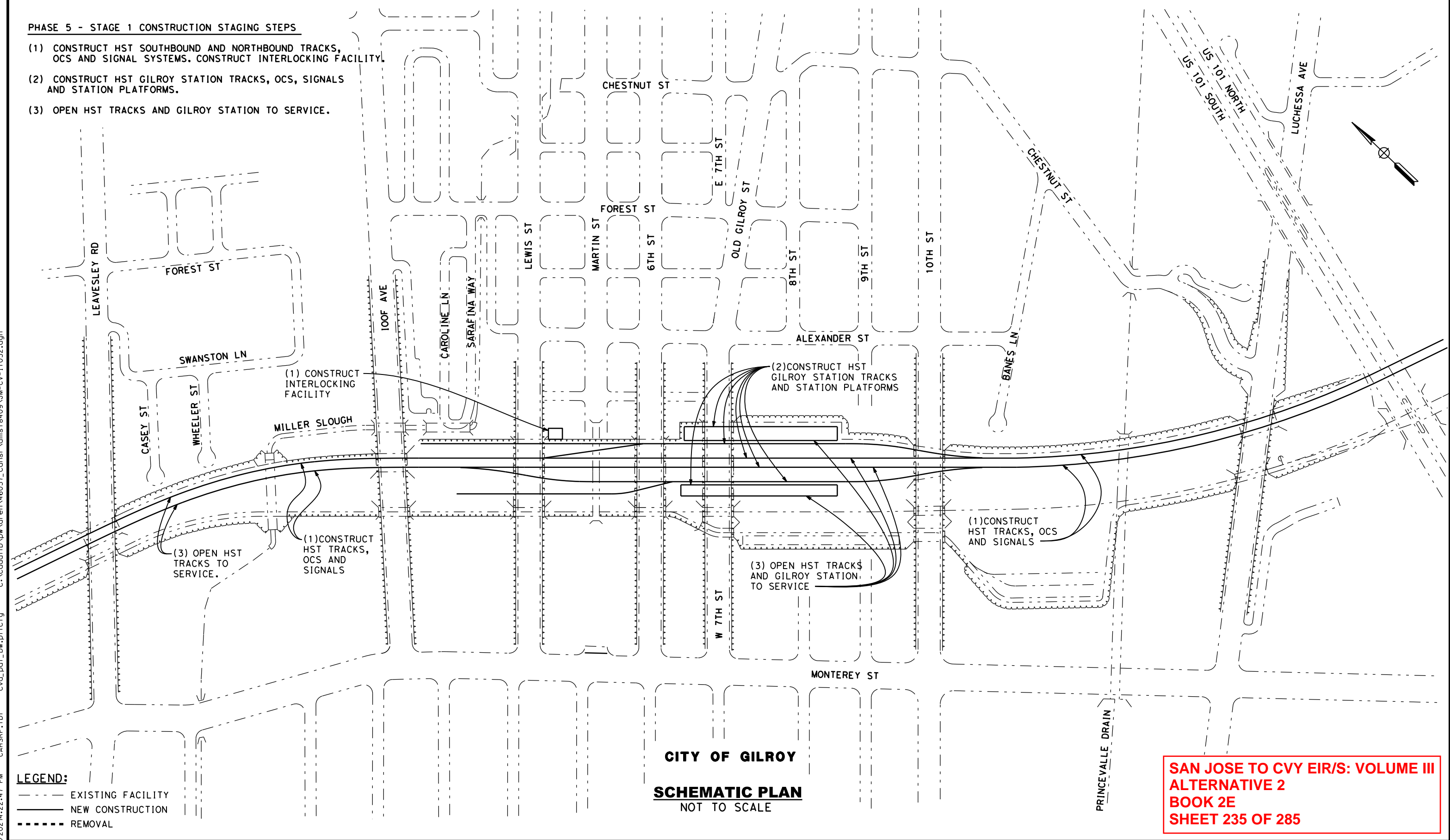
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 4-STAGE 4
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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PHASE 5 - STAGE 1 CONSTRUCTION STAGING STEPS

- (1) CONSTRUCT HST SOUTHBOUND AND NORTHBOUND TRACKS, OCS AND SIGNAL SYSTEMS. CONSTRUCT INTERLOCKING FACILITY.
- (2) CONSTRUCT HST GILROY STATION TRACKS, OCS, SIGNALS AND STATION PLATFORMS.
- (3) OPEN HST TRACKS AND GILROY STATION TO SERVICE.



LEGEND:
 - - - - - EXISTING FACILITY
 ——— NEW CONSTRUCTION
 - - - - - REMOVAL

CITY OF GILROY
SCHEMATIC PLAN
 NOT TO SCALE

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 EMBANKMENT TO DOWNTOWN GILROY
 CONSTRUCTION STAGING PLAN-PHASE 5-STAGE 1
 DOWNTOWN GILROY

CONTRACT NO.	HSR15-34
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HENRY MILLER ROAD DETOUR:

1. BUILD TEMPORARY ROADWAY ON NORTH SIDE OF HENRY MILLER ROAD. SEE DRAWINGS CV-11602 AND CV-11603 FOR DETAILS.
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.

CARLUCCI ROAD DETOUR:

1. BUILD TEMPORARY DETOUR ROADWAY ON EAST SIDE OF CARLUCCI ROAD. SEE DRAWING CV-11607 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.

SR-165 / MERCEY SPRINGS ROAD DETOUR:

1. BUILD TEMPORARY DETOUR ROADWAY ON WEST SIDE OF SR-165 / MERCEY SPRINGS ROAD. SEE DRAWING CV-11604 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-11605 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-11606 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 WORK.
4. REMOVE TEMPORARY ROADWAY.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 236 OF 285**

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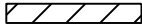
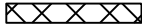


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
GENERAL NOTES

CONTRACT NO. HSR15-34
DRAWING NO. CV-11601
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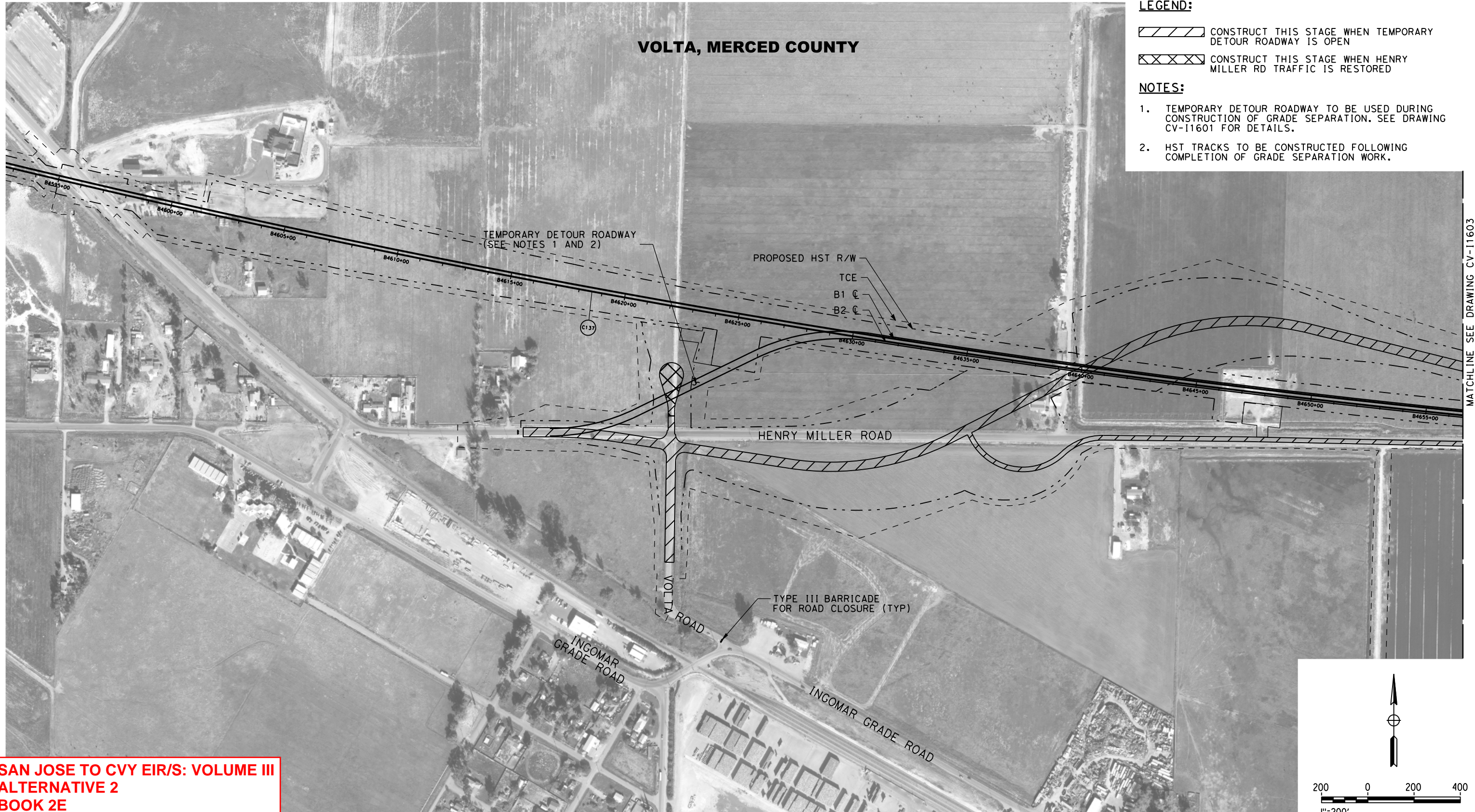
VOLTA, MERCED COUNTY

LEGEND:

-  CONSTRUCT THIS STAGE WHEN TEMPORARY DETOUR ROADWAY IS OPEN
-  CONSTRUCT THIS STAGE WHEN HENRY MILLER RD TRAFFIC IS RESTORED

NOTES:

1. TEMPORARY DETOUR ROADWAY TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE DRAWING CV-11601 FOR DETAILS.
2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.



MATCHLINE SEE DRAWING CV-11603

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 237 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT

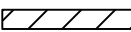
SAN JOSE TO MERCED

SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
HENRY MILLER ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
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VOLTA, MERCED COUNTY

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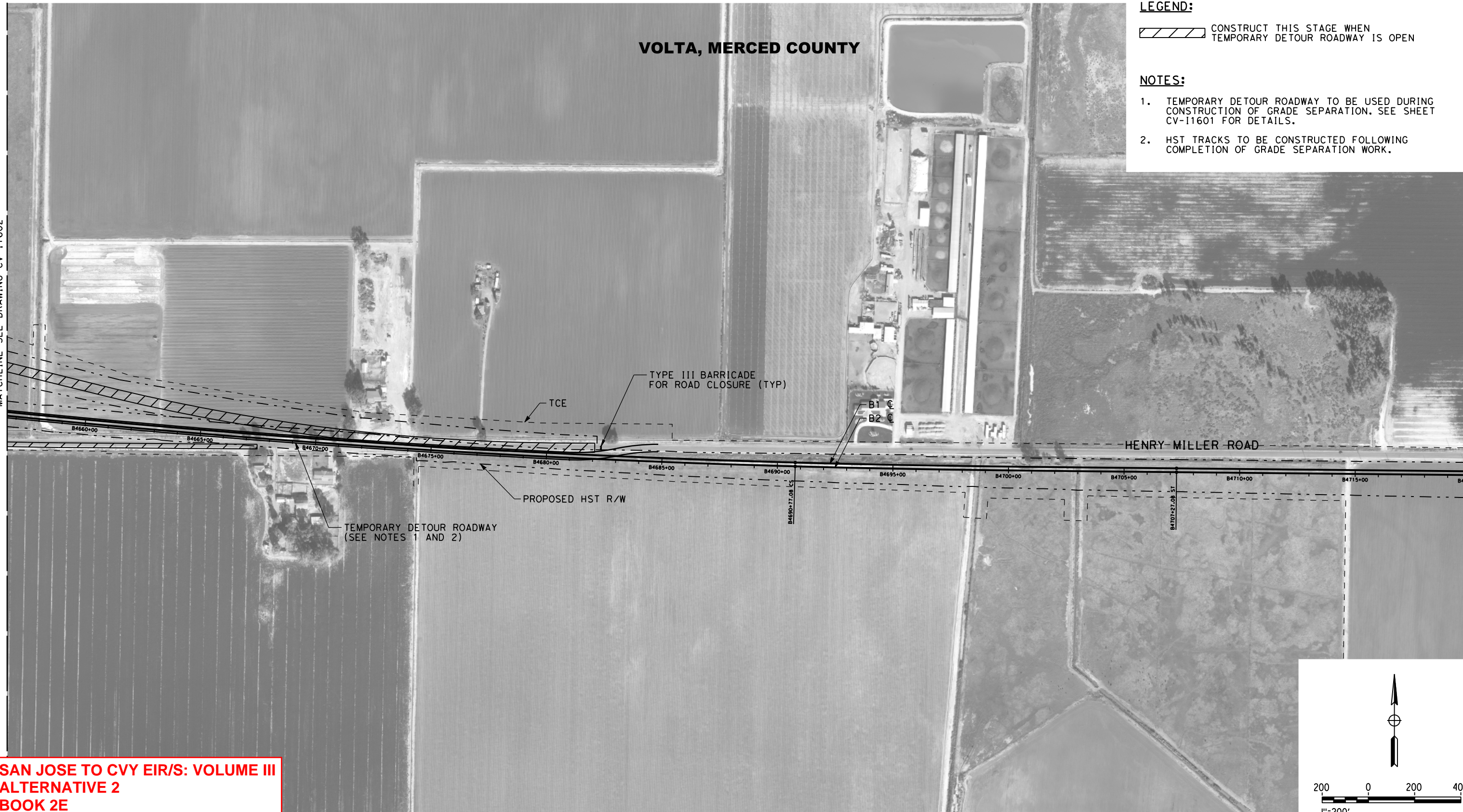
 CONSTRUCT THIS STAGE WHEN TEMPORARY DETOUR ROADWAY IS OPEN

NOTES:

1. TEMPORARY DETOUR ROADWAY TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE SHEET CV-11601 FOR DETAILS.
2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.

MATCHLINE SEE DRAWING CV-11602

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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 238 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
HENRY MILLER ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
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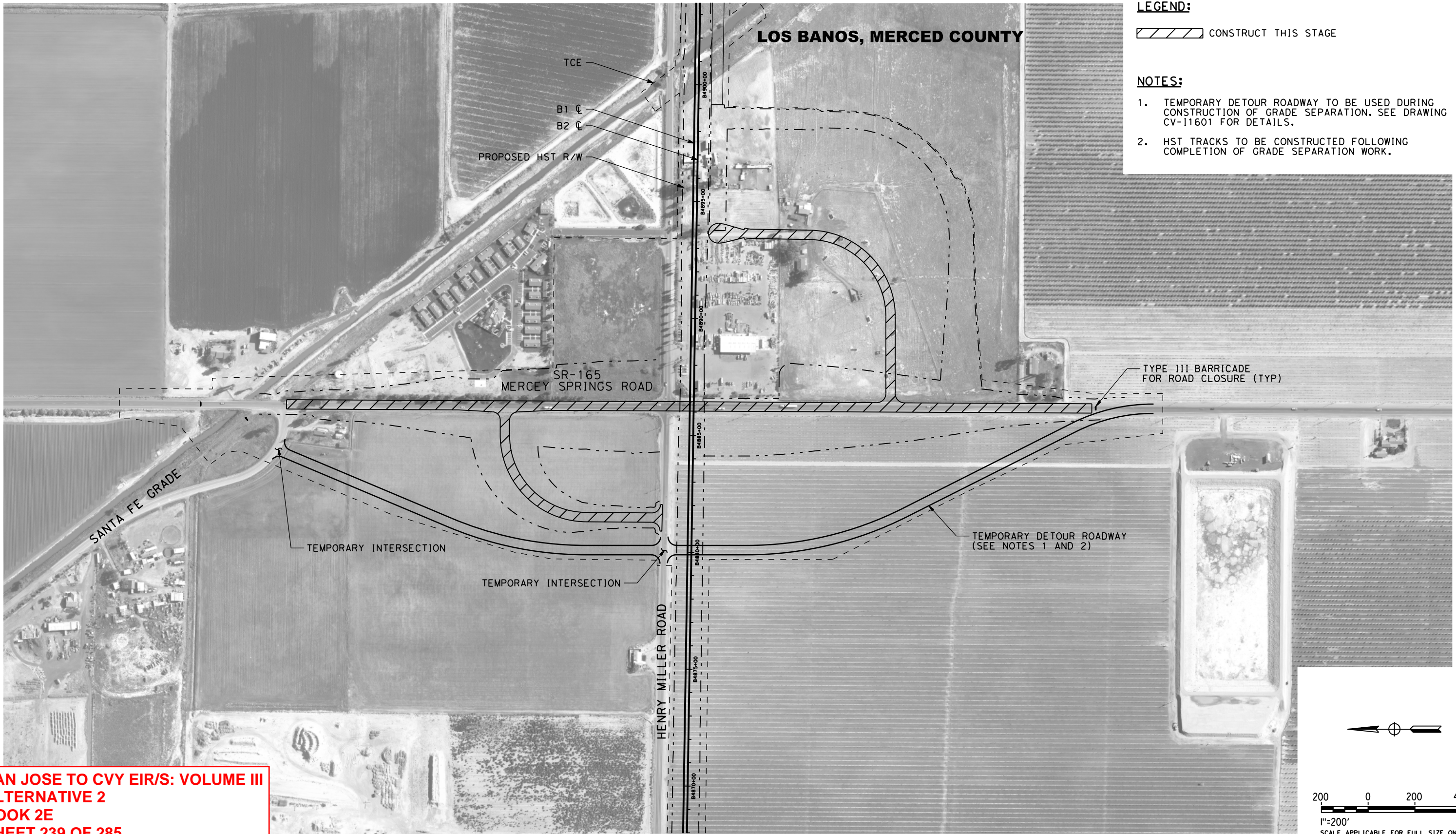
LOS BANOS, MERCED COUNTY

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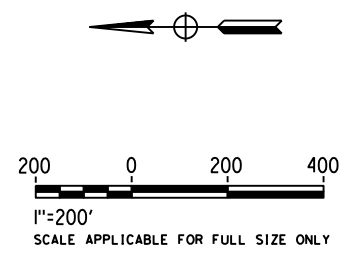
 CONSTRUCT THIS STAGE

NOTES:

1. TEMPORARY DETOUR ROADWAY TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE DRAWING CV-11601 FOR DETAILS.
2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 239 OF 285**



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN JOSE TO MERCED

SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
SR-165 / MERCY SPRINGS ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
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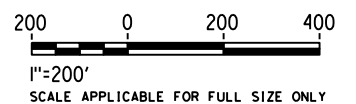
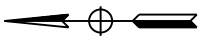
MERCED COUNTY

LEGEND:

 CONSTRUCT THIS STAGE

NOTES:

1. TEMPORARY DETOUR ROADWAY TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE DRAWING CV-11601 FOR DETAILS.
2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 240 OF 285**

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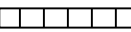
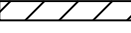
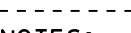


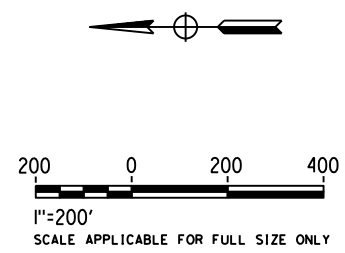
CALIFORNIA
High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
DELTA ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-11605
SCALE	AS SHOWN
SHEET NO.	

MERCED COUNTY

- LEGEND:**
-  CONSTRUCT STAGE 1 (CONSTRUCT AS PART OF TEMPORARY ROAD)
 -  CONSTRUCT STAGE 2
 -  TEMPORARY CONSTRUCTION EASEMENT
- NOTES:**
1. TEMPORARY DETOUR ROADWAY AND CONNECTOR ROAD TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE DRAWING CV-11601 FOR DETAILS.
 2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 241 OF 285**

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NOVEMBER 30, 2021

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CALIFORNIA
High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN JOSE TO MERCED

SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
TURNER ISLAND ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-11606
SCALE	AS SHOWN
SHEET NO.	

MERCED COUNTY

LEGEND:

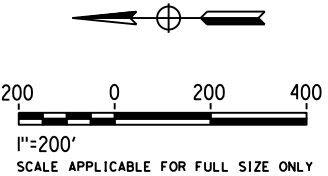
 CONSTRUCT THIS STAGE

NOTES:

1. TEMPORARY DETOUR ROADWAY TO BE USED DURING CONSTRUCTION OF GRADE SEPARATION. SEE SHEET CV-11601 FOR DETAILS.
2. HST TRACKS TO BE CONSTRUCTED FOLLOWING COMPLETION OF GRADE SEPARATION WORK.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 242 OF 285**



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
CONSTRUCTION STAGING PLAN
CARLUCCI ROAD GRADE SEPARATION

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-11607
SCALE	AS SHOWN
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EA) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	POB	2249+30.49	1958660.556	6136583.724									S 60°30'05" E		
	Tangent	TS	2249+50.49	1958650.708	6136601.132											
	Clothoid	TS	2249+50.49	1958650.708	6136601.132										S 60°30'05" E	S 60°28'22" E
	Clothoid	SPI	2250+00.49	1958626.087	6136644.650		75	0°01'43"	37.5	0.00						
	Clothoid	SC	2250+25.49	1958613.766	6136666.403											
	Arc	SC	2250+25.49	1958613.766	6136666.403											
C189	Arc	PI	2250+87.37	1958583.270	6136720.245	75000	123.76	0°05'40"			110	0.50	0.15			
	Arc	CC		1893354.725	6099703.483											
	Arc	CS	2251+49.25	1958552.686	6136774.036											
	Clothoid	CS	2251+49.25	1958552.686	6136774.036										S 60°22'41" E	S 60°20'58" E
	Clothoid	SPI	2251+74.25	1958540.329	6136795.769		75	0°01'43"	37.5	0.00						
	Clothoid	ST	2252+24.25	1958515.593	6136839.222											
	Tangent	ST	2252+24.25	1958515.593	6136839.222									S 60°20'58" E		
	Tangent	TS	2256+36.17	1958311.813	6137197.204											
	Clothoid	TS	2256+36.17	1958311.813	6137197.204										S 60°20'58" E	S 60°22'41" E
	Clothoid	SPI	2256+86.17	1958287.077	6137240.657		75	0°01'43"	37.5	0.00						
	Clothoid	SC	2257+11.17	1958274.721	6137262.390											
	Arc	SC	2257+11.17	1958274.721	6137262.390											
C190	Arc	PI	2257+71.84	1958244.731	6137315.135	75000	121.35	0°05'34"			110	0.50	0.15			
	Arc	CC		2023472.681	6174332.943											
	Arc	CS	2258+32.52	1958214.826	6137367.928											
	Clothoid	CS	2258+32.52	1958214.826	6137367.928										S 60°28'15" E	S 60°29'58" E
	Clothoid	SPI	2258+57.52	1958202.504	6137389.681		75	0°01'43"	37.5	0.00						
	Clothoid	ST	2259+07.52	1958177.883	6137433.198											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 243 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO SCOTT BLVD
 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C189 AND C190

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0201-JM
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	2259+07.52	1958177.883	6137433.198									S 60°29'58" E		
	Tangent	TS	2272+99.99	1957492.186	6138645.137											
	Cosine	TS	2272+99.99	1957492.186	6138645.137										S 60°29'58" E	S 60°44'09" E
	Cosine	SPI	2275+31.86	1957378.004	6138846.948		330	0°14'11"	165	0.06						
	Cosine	SC	2276+29.99	1957330.036	6138932.552											
	Arc	SC	2276+29.99	1957330.036	6138932.552											
C191	Arc	PI	2278+04.76	1957244.601	6139085.018	40000	349.54	0°30'02"			110	1.00	0.21			
	Arc	CC		1992225.033	6158486.047											
	Arc	CS	2279+79.53	1957160.502	6139238.225											
	Cosine	CS	2279+79.53	1957160.502	6139238.225										S 61°14'11" E	S 61°28'22" E
	Cosine	SPI	2280+77.66	1957113.283	6139324.245		330	0°14'11"	165	0.06						
	Cosine	ST	2283+09.53	1957002.547	6139527.966											
	Tangent	ST	2283+09.53	1957002.547	6139527.966									S 61°28'22" E		
	Tangent	TS	2323+02.02	1955095.833	6143035.728											
	Cosine	TS	2323+02.02	1955095.833	6143035.728										S 61°28'22" E	S 60°29'38" E
	Cosine	SPI	2325+90.10	1954958.250	6143288.838		410	0°58'44"	205	0.33						
	Cosine	SC	2327+12.02	1954898.202	6143394.946											
	Arc	SC	2327+12.02	1954898.202	6143394.946											
C192	Arc	PI	2329+95.25	1954758.707	6143641.444	12000	566.36	2°42'15"			110	2.25	1.78			
	Arc	CC		1944454.550	6137484.774											
	Arc	CS	2332+78.37	1954607.736	6143881.086											
	Cosine	CS	2332+78.37	1954607.736	6143881.086										S 57°47'24" E	S 56°48'40" E
	Cosine	SPI	2334+00.29	1954542.750	6143984.243		410	0°58'44"	205	0.33						
	Cosine	ST	2336+88.37	1954385.051	6144225.334											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 244 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO SCOTT BLVD
 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C191 AND C192

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0202-JM
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	2336+88.37	1954385.051	6144225.334									S 56°48'40" E		
	Tangent	TS	2377+32.92	1952171.061	6147610.090											
	Cosine	TS	2377+32.92	1952171.061	6147610.090										S 56°48'40" E	S 57°00'42" E
	Cosine	SPI	2378+31.29	1952117.213	6147692.413		140	0°12'02"	70	0.02						
	Cosine	SC	2378+72.92	1952094.547	6147727.331											
C193	Arc	SC	2378+72.92	1952094.547	6147727.331											
	Arc	PI	2379+93.36	1952028.970	6147828.356	20000	240.88	0°41'24"			50	0.25	0.25			
	Arc	CC		1968870.162	6158616.718											
	Arc	CS	2381+13.80	1951964.614	6147930.163											
	Cosine	CS	2381+13.80	1951964.614	6147930.163										S 57°42'06" E	S 57°54'08" E
	Cosine	SPI	2381+55.43	1951942.370	6147965.352		140	0°12'02"	70	0.02						
	Cosine	ST	2382+53.80	1951890.100	6148048.686											
	Tangent	ST	2382+53.80	1951890.100	6148048.686									S 57°54'08" E		
	Tangent	TS	2384+74.77	1951772.682	6148235.882											
	Cosine	TS	2384+74.77	1951772.682	6148235.882										S 57°54'08" E	S 57°42'06" E
	Cosine	SPI	2385+73.14	1951720.411	6148319.215		140	0°12'02"	70	0.02						
	Cosine	SC	2386+14.77	1951698.167	6148354.404											
C194	Arc	SC	2386+14.77	1951698.167	6148354.404											
	Arc	PI	2387+43.48	1951629.394	6148463.200	20000	257.42	0°44'15"			50	0.25	0.25			
	Arc	CC		1934792.619	6137667.850											
	Arc	CS	2388+72.19	1951559.225	6148571.102											
	Cosine	CS	2388+72.19	1951559.225	6148571.102										S 56°57'51" E	S 56°45'49" E
	Cosine	SPI	2389+13.82	1951536.530	6148606.002		140	0°12'02"	70	0.02						
	Cosine	ST	2390+12.19	1951482.614	6148688.280											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 245 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO SCOTT BLVD
 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C193 AND C194

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0203-JM
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	2390+12.19	1951482.614	6148688.280									S 56°45'49" E		
	Tangent	TS	2403+52.55	1950747.973	6149809.379											
	Cosine	TS	2403+52.55	1950747.973	6149809.379										S 56°45'49" E	S 57°35'13" E
	Cosine	SPI	2404+94.48	1950670.179	6149928.096		202	0°49'23"	101	0.14						
	Cosine	SC	2405+54.55	1950637.982	6149978.805											
	Arc	SC	2405+54.55	1950637.982	6149978.805											
C195	Arc	PI	2406+65.23	1950578.656	6150072.241	7030	221.34	1°48'14"			75	1.50	1.70			
	Arc	CC		1956572.743	6153747.029											
	Arc	CS	2407+75.89	1950522.300	6150167.498											
	Cosine	CS	2407+75.89	1950522.300	6150167.498										S 59°23'27" E	S 60°12'50" E
	Cosine	SPI	2408+35.95	1950491.715	6150219.196		202	0°49'23"	101	0.14						
	Cosine	ST	2409+77.89	1950421.207	6150342.379											
	Tangent	ST	2409+77.89	1950421.207	6150342.379									S 60°12'50" E		
	Tangent	TS	2423+83.51	1949722.946	6151562.302											
	Cosine	TS	2423+83.51	1949722.946	6151562.302										S 60°12'50" E	S 56°36'41" E
	Cosine	SPI	2426+75.16	1949578.067	6151815.418		415	3°36'10"	207.49	1.24						
	Cosine	SC	2427+98.51	1949510.131	6151918.493											
	Arc	SC	2427+98.51	1949510.131	6151918.493											
C196	Arc	PI	2431+13.74	1949336.657	6152181.693	3300	628.54	10°54'47"			75	3.50	3.32			
	Arc	CC		1946754.775	6150102.450											
	Arc	CS	2434+27.03	1949116.492	6152407.291											
	Cosine	CS	2434+27.03	1949116.492	6152407.291										S 45°41'54" E	S 42°05'44" E
	Cosine	SPI	2435+50.48	1949030.271	6152495.640		415	3°36'10"	207.49	1.24						
	Cosine	ST	2438+42.03	1948813.861	6152691.151											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 246 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO SCOTT BLVD
TRACK ALIGNMENT DATA TABLE
CURVE NO. C195 AND C196

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0204-JM
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	2438+42.03	1948813.861	6152691.151									S 42°05'44" E		
	Tangent	TS	2440+94.85	1948626.259	6152860.635											
	Cosine	TS	2440+94.85	1948626.259	6152860.635										S 42°05'44" E	S 35°00'43" E
	Cosine	SPI	2444+92.11	1948331.485	6153126.943		565	7°05'01"	282.44	3.31						
	Cosine	SC	2446+59.85	1948193.686	6153223.474											
	Arc	SC	2446+59.85	1948193.686	6153223.474											
C197	Arc	PI	2451+63.12	1947781.493	6153512.224	2285	990.72	24°50'31"			65	4.75	2.65			
	Arc	CC		1946882.673	6151351.986											
	Arc	CS	2456+50.49	1947286.131	6153601.085											
	Cosine	CS	2456+50.49	1947286.131	6153601.085										S 10°10'12" E	S 3°05'11" E
	Cosine	SPI	2458+18.74	1947120.528	6153630.792		565	7°05'01"	282.44	3.31						
	Cosine	ST	2462+15.49	1946723.849	6153652.180											
	Tangent	ST	2462+15.49	1946723.849	6153652.180									S 3°05'11" E		
	Tangent	POE	2480+97.52	1944844.556	6153753.509											

NOTE:

1. REFERENCE SHEETS TT-B0104 THROUGH TT-0108 FOR ALIGNMENT DATA BETWEEN STATIONS B2480+97.52 = B52+90.53 TO B250+03.17.

**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 247 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE

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 NOVEMBER 30, 2021

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO SCOTT BLVD
 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C197

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0205-JM
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	250+00.00	1931383.561	6166318.089									S 65°59'44.0" E		
	TANGENT	TS	273+71.20	1930418.938	6168484.215											
	COSINE	TS	273+71.20	1930418.938	6168484.215										S 65°59'44.0" E	S 62°32'27.4" E
	COSINE	SPI	280+91.52	1930125.906	6169142.239		1025	3°27'16.6"	512.47	2.93						
	COSINE	SC	283+96.20	1929985.314	6169412.784											
	ARC	SC	283+96.20	1929985.314	6169412.784											
C301	ARC	PI	300+03.31	1929244.254	6170838.835	8500	3176.69	21°24'47.5"			125	5.00	2.35			
	ARC	CC		1922442.919	6165493.311											
	ARC	CS	315+72.90	1928033.710	6171895.893											
	COSINE	CS	315+72.90	1928033.710	6171895.893										S 41°07'39.9" E	S 37°40'23.3" E
	COSINE	SPI	318+77.79	1927804.050	6172096.434		1025	3°27'16.6"	512.47	2.93						
	COSINE	ST	325+97.90	1927233.908	6172536.663											
	TANGENT	ST	325+97.90	1927233.908	6172536.663									S 37°40'23.3" E		
	TANGENT	TS	343+14.74	1925875.011	6173585.921											
	COSINE	TS	343+14.74	1925875.011	6173585.921										S 37°40'23.3" E	S 41°23'50.5" E
	COSINE	SPI	349+99.94	1925332.667	6174004.686		975	3°43'27.2"	487.47	3.00						
	COSINE	SC	352+89.74	1925115.098	6174196.481											
	ARC	SC	352+89.74	1925115.098	6174196.481											
C302	ARC	PI	354+65.66	1924983.130	6174312.816	7500	351.78	2°41'14.8"			125	6.00	2.33			
	ARC	CC		1930074.679	6179822.542											
	ARC	CS	356+41.52	1924856.761	6174435.211											
	COSINE	CS	356+41.52	1924856.761	6174435.211										S 44°05'05.3" E	S 47°48'32.5" E
	COSINE	SPI	359+31.56	1924648.424	6174636.997		975	3°43'27.2"	487.47	3.00						
	COSINE	ST	366+16.52	1924188.240	6175144.670											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 248 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C301 AND C302

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0201
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	366+16.52	1924188.240	6175144.670									S 47°48'32.5" E		
	TANGENT	TS	387+84.21	1922732.411	6176750.735											
	COSINE	TS	387+84.21	1922732.411	6176750.735										S 47°48'32.5" E	S 49°07'19.4" E
	COSINE	SPI	391+70.67	1922472.861	6177037.069		550	1°18'46.9"	275	0.60						
	COSINE	SC	393+34.21	1922365.823	6177160.733											
	ARC	SC	393+34.21	1922365.823	6177160.733											
C303	ARC	PI	395+38.24	1922232.296	6177315.001	12000	408.02	1°56'53.3"			130	3.25	2.38			
	ARC	CC		1931439.090	6185014.130											
	ARC	CS	397+42.23	1922104.090	6177473.719											
	COSINE	CS	397+42.23	1922104.090	6177473.719										S 51°04'12.8" E	S 52°22'59.7" E
	COSINE	SPI	399+05.78	1922001.318	6177600.951		550	1°18'46.9"	275	0.60						
	COSINE	ST	402+92.23	1921765.430	6177907.072											
	TANGENT	ST	402+92.23	1921765.430	6177907.072									S 52°22'59.7" E		
	TANGENT	TS	571+83.19	1911455.579	6191286.590											
	COSINE	TS	571+83.19	1911455.579	6191286.590										S 52°22'59.7" E	S 53°43'27.1" E
	COSINE	SPI	579+56.11	1910983.804	6191898.832		1100	1°20'27.5"	550	1.22						
	COSINE	SC	582+83.19	1910790.262	6192162.541											
	ARC	SC	582+83.19	1910790.262	6192162.541											
C304	ARC	PI	587+53.74	1910511.850	6192541.889	23500	940.97	2°17'39.1"			185	4.00	1.83			
	ARC	CC		1929735.453	6206066.848											
	ARC	CS	592+24.16	1910248.847	6192932.077											
	COSINE	CS	592+24.16	1910248.847	6192932.077										S 56°01'06.3" E	S 57°21'33.8" E
	COSINE	SPI	595+51.27	1910066.017	6193203.323		1100	1°20'27.5"	550	1.22						
	COSINE	ST	603+24.16	1909649.126	6193854.180											
	TANGENT	ST	603+24.16	1909649.126	6193854.180									S 57°21'33.8" E		
	TANGENT	POE	604+93.56 = 694+18.01	1909557.759	6193996.823											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 249 OF 285**

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CALIFORNIA
High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C303 AND C304

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0202
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	604+93.56 = 694+18.01	1909557.759	6193996.823									S 57°21'33.8" E		
	TANGENT	TS	717+63.64	1908292.601	6195972.009											
	COSINE	TS	717+63.64	1908292.601	6195972.009										S 57°21'33.8" E	S 56°15'07.8" E
	COSINE	SPI	720+36.97	1908145.174	6196202.175		389	1°06'25.9"	194.5	0.36						
	COSINE	SC	721+52.64	1908080.911	6196298.358											
	ARC	SC	721+52.64	1908080.911	6196298.358											
C305	ARC	PI	729+40.86	1907643.023	6196953.759	10065	1573.23	8°57'20.8"			100	1.50	2.47			
	ARC	CC		1899711.958	6190706.861											
	ARC	CS	737+25.87	1907108.445	6197533.002											
	COSINE	CS	737+25.87	1907108.445	6197533.002										S 47°17'47.1" E	S 46°11'21.1" E
	COSINE	SPI	738+41.54	1907029.993	6197618.009		389	1°06'25.9"	194.5	0.36						
	COSINE	ST	741+14.87	1906840.771	6197815.254											
	TANGENT	ST	741+14.87	1906840.771	6197815.254									S 46°11'21.1" E		
	TANGENT	TS	744+14.86	1906633.094	6198031.736											
	COSINE	TS	744+14.86	1906633.094	6198031.736										S 46°11'21.1" E	S 44°34'47.9" E
	COSINE	SPI	747+34.57	1906411.763	6198262.450		455	1°36'33.2"	227.5	0.61						
	COSINE	SC	748+69.86	1906315.387	6198357.423											
	ARC	SC	748+69.86	1906315.387	6198357.423											
C306	ARC	PI	751+50.21	1906115.703	6198554.201	8100	560.47	3°57'52.3"			100	3.50	1.44			
	ARC	CC		1900629.964	6192588.024											
	ARC	CS	754+30.33	1905902.892	6198736.701											
	COSINE	CS	754+30.33	1905902.892	6198736.701										S 40°36'55.6" E	S 39°00'22.3" E
	COSINE	SPI	755+65.63	1905800.181	6198824.784		455	1°36'33.2"	227.5	0.61						
	COSINE	ST	758+85.33	1905551.739	6199026.013											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 250 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C305 AND C306

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0203
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	758+85.33	1905551.739	6199026.013									S 39°00'22.3" E		
	TANGENT	TS	772+41.23	1904498.097	6199879.424											
	COSINE	TS	772+41.23	1904498.097	6199879.424										S 39°00'22.3" E	S 40°02'52.6" E
	COSINE	SPI	775+22.29	1904279.690	6200056.325		400	1°02'30.3"	200	0.34						
	COSINE	SC	776+41.23	1904188.636	6200132.859											
	ARC	SC	776+41.23	1904188.636	6200132.859											
C307	ARC	PI	777+85.10	1904078.501	6200225.430	11000	287.73	1°29'55.3"			100	2.50	1.14			
	ARC	CC		1911266.348	6208553.428											
	ARC	CS	779+28.96	1903970.825	6200320.850											
	COSINE	CS	779+28.96	1903970.825	6200320.850										S 41°32'47.9" E	S 42°35'18.1" E
	COSINE	SPI	780+47.90	1903881.804	6200399.739		400	1°02'30.3"	200	0.34						
	COSINE	ST	783+28.96	1903674.877	6200589.941											
	TANGENT	ST	783+28.96	1903674.877	6200589.941									S 42°35'18.1" E		
	TANGENT	TS	792+68.18	1902983.390	6201225.536											
	COSINE	TS	792+68.18	1902983.390	6201225.536										S 42°35'18.1" E	S 41°37'07.5" E
	COSINE	SPI	800+41.09	1902414.343	6201748.589		1100	0°58'10.6"	550	0.88						
	COSINE	SC	803+68.18	1902169.807	6201965.841											
	ARC	SC	803+68.18	1902169.807	6201965.841											
C308	ARC	PI	809+53.29	1901732.386	6202354.458	32500	1170.11	2°03'46.2"			200	3.25	1.67			
	ARC	CC		1880584.253	6177669.466											
	ARC	CS	815+38.28	1901281.260	6202727.078											
	COSINE	CS	815+38.28	1901281.260	6202727.078										S 39°33'21.3" E	S 38°35'10.7" E
	COSINE	SPI	818+65.38	1901029.063	6202935.386		1100	0°58'10.6"	550	0.88						
	COSINE	ST	826+38.28	1900424.898	6203417.449											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 251 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C307 AND C308

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0204
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	826+38.28	1900424.898	6203417.449									S 38°35'10.7" E		
	TANGENT	TS	894+70.89	1895084.057	6207678.894											
	COSINE	TS	894+70.89	1895084.057	6207678.894										S 38°35'10.7" E	S 38°45'20.9" E
	COSINE	SPI	899+69.76	1894694.101	6207990.040		710	0°10'10.2"	355	0.10						
	COSINE	SC	901+80.89	1894529.462	6208122.204											
C309	ARC	SC	901+80.89	1894529.462	6208122.204											
	ARC	PI	905+55.57	1894237.275	6208356.757	120000	749.37	0°21'28.1"			190	0.00	1.20			
	ARC	CC		1969649.746	6301700.743											
	ARC	CS	909+30.25	1893946.559	6208593.130											
	COSINE	CS	909+30.25	1893946.559	6208593.130										S 39°06'48.9" E	S 39°16'59.1" E
	COSINE	SPI	911+41.38	1893782.749	6208726.319		710	0°10'10.2"	355	0.10						
	COSINE	ST	916+40.25	1893396.605	6209042.184											
	TANGENT	ST	916+40.25	1893396.605	6209042.184									S 39°16'59.1" E		
	TANGENT	TS	929+18.58	1892407.146	6209851.560											
	COSINE	TS	929+18.58	1892407.146	6209851.560										S 39°16'59.1" E	S 39°04'52.0" E
	COSINE	SPI	934+13.94	1892023.721	6210165.201		705	0°12'07.1"	352.5	0.12						
	COSINE	SC	936+23.58	1891860.989	6210297.360											
C310	ARC	SC	936+23.58	1891860.989	6210297.360											
	ARC	PI	939+87.70	1891578.335	6210526.913	100000	728.25	0°25'02.1"			190	0.25	1.19			
	ARC	CC		1828818.978	6132671.947											
	ARC	CS	943+51.83	1891294.016	6210754.401											
	COSINE	CS	943+51.83	1891294.016	6210754.401										S 38°39'49.9" E	S 38°27'42.8" E
	COSINE	SPI	945+61.46	1891130.326	6210885.371		705	0°12'07.1"	352.5	0.12						
	COSINE	ST	950+56.83	1890742.446	6211193.485											

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 252 OF 285

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CALIFORNIA

High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C309 AND C310

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0205
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	950+56.83	1890742.446	6211193.485									S 38°27'42.8" E		
	TANGENT	TS	1062+98.10	1881940.283	6218185.490											
	COSINE	TS	1062+98.10	1881940.283	6218185.490										S 38°27'42.8" E	S 38°36'07.0" E
	COSINE	SPI	1069+16.43	1881456.120	6218570.085		880	0°08'24.2"	440	0.10						
	COSINE	SC	1071+78.10	1881251.622	6218733.346											
	ARC	SC	1071+78.10	1881251.622	6218733.346											
C311	ARC	PI	1076+23.29	1880903.706	6219011.102	180000	890.38	0°17'00.3"			190	0.00	0.80			
	ARC	CC		1993554.754	6359403.194											
	ARC	CS	1080+68.48	1880557.169	6219290.577											
	COSINE	CS	1080+68.48	1880557.169	6219290.577										S 38°53'07.3" E	S 39°01'31.5" E
	COSINE	SPI	1083+30.15	1880353.481	6219454.846		880	0°08'24.2"	440	0.10						
	COSINE	ST	1089+48.48	1879873.124	6219844.185											
	TANGENT	ST	1089+48.48	1879873.124	6219844.185									S 39°01'31.5" E		
	TANGENT	TS	1102+72.28	1878844.707	6220677.736											
	COSINE	TS	1102+72.28	1878844.707	6220677.736										S 39°01'31.5" E	S 38°45'46.9" E
	COSINE	SPI	1107+55.00	1878469.701	6220981.686		687	0°15'44.7"	343.5	0.15						
	COSINE	SC	1109+59.28	1878310.411	6221109.589											
	ARC	SC	1109+59.28	1878310.411	6221109.589											
C312	ARC	PI	1113+05.18	1878040.701	6221326.155	75000	691.79	0°31'42.6"			195	1.00	1.03			
	ARC	CC		1831352.866	6162628.918											
	ARC	CS	1116+51.07	1877769.005	6221540.224											
	COSINE	CS	1116+51.07	1877769.005	6221540.224										S 38°14'04.3" E	S 37°58'19.6" E
	COSINE	SPI	1118+55.35	1877608.542	6221666.652		687	0°15'44.7"	343.5	0.15						
	COSINE	ST	1123+38.07	1877228.012	6221963.657											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 253 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C311 AND C312

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0206
SCALE NONE
SHEET NO.

11/17/2021 5:10:29 PM CAHSR.tbl cvd_paf_bw.plt cfdg ct:\cadd\1b\pwworken\46037_cahsr\dmst18491\JM-TT-B0207.dgn

CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1123+38.07	1877228.012	6221963.657									S 37°58'19.6" E		
	TANGENT	TS	1130+30.16	1876682.429	6222389.486											
	COSINE	TS	1130+30.16	1876682.429	6222389.486										S 37°58'19.6" E	S 38°08'14.1" E
	COSINE	SPI	1133+74.46	1876411.018	6222601.323		490	0°09'54.5"	245	0.07						
	COSINE	SC	1135+20.16	1876296.416	6222691.303											
	ARC	SC	1135+20.16	1876296.416	6222691.303											
C313	ARC	PI	1137+91.68	1876082.856	6222858.979	85000	543.04	0°21'57.8"			185	0.50	1.11			
	ARC	CC		1928787.952	6289546.658											
	ARC	CS	1140+63.20	1875870.372	6223028.016											
	COSINE	CS	1140+63.20	1875870.372	6223028.016										S 38°30'11.9" E	S 38°40'06.4" E
	COSINE	SPI	1142+08.90	1875756.348	6223118.726		490	0°09'54.5"	245	0.07						
	COSINE	ST	1145+53.20	1875487.531	6223333.846											
	TANGENT	ST	1145+53.20	1875487.531	6223333.846									S 38°40'06.4" E		
	TANGENT	TS	1300+17.52	1863413.385	6232996.150											
	COSINE	TS	1300+17.52	1863413.385	6232996.150										S 38°40'06.4" E	S 36°31'28.7" E
	COSINE	SPI	1315+95.04	1862181.691	6233981.810		2245	2°08'37.7"	1122.48	3.98						
	COSINE	SC	1322+62.52	1861645.163	6234379.177											
	ARC	SC	1322+62.52	1861645.163	6234379.177											
C314	ARC	PI	1348+52.81	1859563.602	6235920.837	30000	5167.77	9°52'11.0"			250	5.75	2.58			
	ARC	CC		1843790.113	6210271.145											
	ARC	CS	1374+30.28	1857248.594	6237082.883											
	COSINE	CS	1374+30.28	1857248.594	6237082.883										S 26°39'17.7" E	S 24°30'40.0" E
	COSINE	SPI	1380+97.94	1856651.894	6237382.404		2245	2°08'37.7"	1122.48	3.98						
	COSINE	ST	1396+75.28	1855216.532	6238036.872											
	TANGENT	ST	1396+75.28	1855216.532	6238036.872									S 24°30'40.0" E		
	TANGENT	POE	1410+02.76 = 1410+00.00	1854008.683	6238587.604											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 254 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C313 AND C314

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0207
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	1410+02.76 = 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
	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											
C315	ARC	PI	1462+12.82	1849263.357	6240745.206	100000	1262.39	0°43'23.9"			250	0.50	2.00			
	ARC	CC		1808871.499	6149263.535											
	ARC	CS	1468+44.00	1848684.337	6240996.505											
	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						
	COSINE	ST	1479+84.00	1847636.774	6241446.179											
	TANGENT	ST	1479+84.00	1847636.774	6241446.179									S 23°08'04.7" E		
	TANGENT	TS	1502+44.32	1845558.226	6242334.241											
	COSINE	TS	1502+44.32	1845558.226	6242334.241										S 23°08'04.7" E	S 22°46'18.4" E
	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											
	ARC	SC	1513+84.32	1844509.060	6242780.163											
C316	ARC	PI	1519+62.56	1843975.888	6243003.979	90000	1156.47	0°44'10.4"			250	0.75	2.03			
	ARC	CC		1809673.544	6159795.304											
	ARC	CS	1525+40.79	1843439.884	6243220.925											
	COSINE	CS	1525+40.79	1843439.884	6243220.925										S 22°02'07.9" E	S 21°40'21.6" E
	COSINE	SPI	1528+79.78	1843125.657	6243348.108		1140	0°21'46.3"	570	0.34						
	COSINE	ST	1536+80.79	1842381.268	6243643.925											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 255 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
DOWNTOWN GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C315 AND C316

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0208
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1536+80.79	1842381.268	6243643.925									S 21°40'21.6" E		
	TANGENT	TS	1608+35.25	1835732.566	6246286.091											
	COSINE	TS	1608+35.25	1835732.566	6246286.091										S 21°40'21.6" E	S 22°26'46.2" E
	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											
C317	ARC	SC	1616+45.25	1834981.039	6246588.243											
	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											
	ARC	CS	1625+87.36	1834116.093	6246961.568											
	COSINE	CS	1625+87.36	1834116.093	6246961.568										S 24°14'43.6" E	S 25°01'08.2" E
	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											
	TANGENT	ST	1633+97.36	1833380.734	6247301.179									S 25°01'08.2" E		
	TANGENT	TS	1652+66.24	1831687.214	6248091.563											
	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											
C318	ARC	SC	1662+36.24	1830805.580	6248496.013											
	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						
	COSINE	ST	1683+70.96	1828815.194	6249265.903											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 256 OF 285

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CALIFORNIA

High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED
 DOWNTOWN GILROY
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C317 AND C318

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0209
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1683+70.96	1828815.194	6249265.903									S 19°27'33.8" E		
	TANGENT	TS	1736+84.96	1823804.741	6251036.202											
	COSINE	TS	1736+84.96	1823804.741	6251036.202										S 19°27'33.8" E	S 21°34'56.3" E
	COSINE	SPI	1743+38.46	1823188.574	6251253.906		930	2°07'22.5"	464.99	1.63						
	COSINE	SC	1746+14.96	1822931.387	6251355.642											
	ARC	SC	1746+14.96	1822931.387	6251355.642											
C319	ARC	PI	1766+98.51	1820993.916	6252122.048	12550	4129.42	18°51'09.0"			150	4.50	2.67			
	ARC	CC		1827547.744	6263025.764											
	ARC	CS	1787+44.38	1819408.035	6253473.401											
	COSINE	CS	1787+44.38	1819408.035	6253473.401										S 40°26'05.3" E	S 42°33'27.8" E
	COSINE	SPI	1790+20.96	1819197.520	6253652.784		930	2°07'22.5"	464.99	1.63						
	COSINE	ST	1796+74.38	1818716.157	6254094.765											
	TANGENT	ST	1796+74.38	1818716.157	6254094.765									S 42°33'27.8" E		
	TANGENT	TS	1843+65.65	1815260.587	6257267.620											
	COSINE	TS	1843+65.65	1815260.587	6257267.620										S 42°33'27.8" E	S 44°57'00.7" E
	COSINE	SPI	1854+51.31	1814460.891	6258001.890		1545	2°23'32.9"	772.48	3.06						
	COSINE	SC	1859+10.65	1814135.698	6258326.518											
	ARC	SC	1859+10.65	1814135.698	6258326.518											
C320	ARC	PI	1901+39.08	1811143.147	6261313.872	18500	8314.04	25°44'57.1"			200	6.00	2.65			
	ARC	CC		1827205.799	6271419.358											
	ARC	CS	1942+24.69	1809745.546	6265304.656											
	COSINE	CS	1942+24.69	1809745.546	6265304.656										S 70°41'57.8" E	S 73°05'30.8" E
	COSINE	SPI	1946+84.18	1809593.673	6265738.324		1545	2°23'32.9"	772.48	3.06						
	COSINE	ST	1957+69.69	1809277.920	6266777.057											

NOTE:

1. THE VERTICAL CURVE CONTROLS THE SPEED AT 80MPH BETWEEN STATION B1736+09.63 TO B1750+09.63.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 257 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN JOSE TO MERCED

DOWNTOWN GILROY
TRACK GUIDEWAY

B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C319 AND C320

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0210
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1957+69.69	1809277.920	6266777.057									S 73°05'30.8" E		
	TANGENT	TS	1971+66.98	1808871.535	6268113.949											
	COSINE	TS	1971+66.98	1808871.535	6268113.949										S 73°05'30.8" E	S 75°29'03.7" E
	COSINE	SPI	1982+52.64	1808555.782	6269152.682		1545	2°23'32.9"	772.48	3.06						
	COSINE	SC	1987+11.98	1808440.613	6269597.507											
	ARC	SC	1987+11.98	1808440.613	6269597.507											
C321	ARC	PI	2026+00.20	1807466.053	6273361.612	18500	7664.87	23°44'19.2"			200	6.00	2.65			
	ARC	CC		1826350.080	6274234.425											
	ARC	CS	2063+76.85	1808089.249	6277199.565											
	COSINE	CS	2063+76.85	1808089.249	6277199.565										N 80°46'37.1" E	N 78°23'04.2" E
	COSINE	SPI	2068+36.34	1808162.895	6277653.116		1545	2°23'32.9"	772.48	3.06						
	COSINE	ST	2079+21.85	1808381.486	6278716.547											
	TANGENT	ST	2079+21.85	1808381.486	6278716.547									N 78°23'04.2" E		
	TANGENT	POE	2160+00.00	1810007.966	6286629.265											

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 258 OF 285

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High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
DOWNTOWN GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C321

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0211
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	COSINE	TS	1736+84.96	1823804.741	6251036.202										S 19°27'33.8" E	S 21°34'56.3" E
	COSINE	SPI	1743+38.46	1823188.574	6251253.906		930	2°07'22.5"	464.99	1.63						
	COSINE	SC	1746+14.96	1822931.387	6251355.642											
	ARC	SC	1746+14.96	1822931.387	6251355.642											
C127	ARC	PI	1766+98.51	1820993.916	6252122.048	12550	4129.42	18°51'09.0"			150	4.75	2.42			
	ARC	CC		1827547.744	6263025.764											
	ARC	CS	1787+44.38	1819408.035	6253473.401											
	COSINE	CS	1787+44.38	1819408.035	6253473.401										S 40°26'05.3" E	S 42°33'27.8" E
	COSINE	SPI	1790+20.96	1819197.520	6253652.784		930	2°07'22.5"	464.99	1.63						
	COSINE	ST	1796+74.38	1818716.157	6254094.765											
	TANGENT	ST	1796+74.38	1818716.157	6254094.765									S 42°33'27.8" E		
	TANGENT	TS	1843+65.65	1815260.587	6257267.620											
	COSINE	TS	1843+65.65	1815260.587	6257267.620										S 42°33'27.8" E	S 44°57'00.7" E
	COSINE	SPI	1854+51.31	1814460.891	6258001.890		1545	2°23'32.9"	772.48	3.06						
	COSINE	SC	1859+10.65	1814135.698	6258326.518											
	ARC	SC	1859+10.65	1814135.698	6258326.518											
C128	ARC	PI	1901+39.08	1811143.147	6261313.872	18500	8314.04	25°44'57.1"			200	5.75	2.90			
	ARC	CC		1827205.799	6271419.358											
	ARC	CS	1942+24.69	1809745.546	6265304.656											
	COSINE	CS	1942+24.69	1809745.546	6265304.656										S 70°41'57.8" E	S 73°05'30.8" E
	COSINE	SPI	1946+84.18	1809593.673	6265738.324		1545	2°23'32.9"	772.48	3.06						
	COSINE	ST	1957+69.69	1809277.920	6266777.057											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 259 OF 285**

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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.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	COSINE	TS	1736+84.96	1823804.741	6251036.202										S 19°27'33.8" E	S 21°34'56.3" E
	COSINE	SPI	1743+38.46	1823188.574	6251253.906		930	2°07'22.5"	464.99	1.63						
	COSINE	SC	1746+14.96	1822931.387	6251355.642											
	ARC	SC	1746+14.96	1822931.387	6251355.642											
C127	ARC	PI	1766+98.51	1820993.916	6252122.048	12550	4129.42	18°51'09.0"			150	4.75	2.42			
	ARC	CC		1827547.744	6263025.764											
	ARC	CS	1787+44.38	1819408.035	6253473.401											
	COSINE	CS	1787+44.38	1819408.035	6253473.401										S 40°26'05.3" E	S 42°33'27.8" E
	COSINE	SPI	1790+20.96	1819197.520	6253652.784		930	2°07'22.5"	464.99	1.63						
	COSINE	ST	1796+74.38	1818716.157	6254094.765											
	TANGENT	ST	1796+74.38	1818716.157	6254094.765		4613.6							S 42°33'27.8" E		
	TANGENT	TS	1842+87.98	1815317.798	6257215.090											
	COSINE	TS	1842+87.98	1815317.798	6257215.090										S 42°33'27.8" E	S 45°11'24.8" E
	COSINE	SPI	1854+82.58	1814437.859	6258023.038		1700	2°37'57.0"	849.97	3.70						
	COSINE	SC	1859+87.98	1814081.530	6258381.741											
	ARC	SC	1859+87.98	1814081.530	6258381.741											
C128A	ARC	PI	1901+34.94	1811158.936	6261323.805	18500	8159.04	25°16'08.9"			220	7.00	3.46	0°18'34.9"		
	ARC	CC		1827206.363	6271419.714											
	ARC	CS	1941+47.02	1809771.880	6265231.921											
	COSINE	CS	1941+47.02	1809771.880	6265231.921										S 70°27'33.7" E	S 73°05'30.8" E
	COSINE	SPI	1946+52.63	1809602.767	6265708.408		1700	2°37'57.0"	849.97	3.70						
	COSINE	ST	1958+47.02	1809255.331	6266851.369											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 260 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C127 AND C128A - TUNNEL DESIGN VARIANT

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0120A
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1957+69.69	1809277.920	6266777.057									S 73°05'30.8" E		
	TANGENT	TS	1971+66.98	1808871.535	6268113.949											
	COSINE	TS	1971+66.98	1808871.535	6268113.949										S 73°05'30.8" E	S 75°29'03.7" E
	COSINE	SPI	1982+52.64	1808555.782	6269152.682		1545	2°23'32.9"	772.48	3.06						
	COSINE	SC	1987+11.98	1808440.613	6269597.507											
	ARC	SC	1987+11.98	1808440.613	6269597.507											
C129	ARC	PI	2026+00.20	1807466.053	6273361.612	18500	7664.87	23°44'19.2"			200	5.75	2.90			
	ARC	CC		1826350.080	6274234.425											
	ARC	CS	2063+76.85	1808089.249	6277199.565											
	COSINE	CS	2063+76.85	1808089.249	6277199.565										N 80°46'37.1" E	N 78°23'04.2" E
	COSINE	SPI	2068+36.34	1808162.895	6277653.116		1545	2°23'32.9"	772.48	3.06						
	COSINE	ST	2079+21.85	1808381.486	6278716.547											
	TANGENT	ST	2079+21.85	1808381.486	6278716.547									N 78°23'04.2" E		
	TANGENT	POE	2160+00.00	1810007.966	6286629.265											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 261 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C129

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0121
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	1958+47.02	1809255.331	6266851.369		1241.97							S 73°05'30.8" E		
	TANGENT	TS	1970+88.99	1808894.120	6268039.649											
	COSINE	TS	1970+88.99	1808894.120	6268039.649										S 73°05'30.8" E	S 75°43'27.8" E
	COSINE	SPI	1982+83.59	1808546.685	6269182.610		1700	2°37'57.0"	849.97	3.70						
	COSINE	SC	1987+88.99	1808422.009	6269672.604											
	ARC	SC	1987+88.99	1808422.009	6269672.604											
C129A	ARC	PI	2025+96.35	1807483.163	6273362.403	18500	7509.87	23°15'31.0"			220	7.00	3.46	0°18'34.9"		
	ARC	CC		1826350.743	6274234.456											
	ARC	CS	2062+98.86	1808077.651	6277123.072											
	COSINE	CS	2062+98.86	1808077.651	6277123.072										N 81°01'01.2" E	N 78°23'04.2" E
	COSINE	SPI	2068+04.46	1808156.597	6277622.477		1700	2°37'57.0"	849.97	3.70						
	COSINE	ST	2079+98.86	1808397.122	6278792.614											
	TANGENT	ST	2079+98.86	1808397.122	6278792.614		8000.49							N 78°23'04.2" E		
	TANGENT	POE	2159+99.35	1810007.966	6286629.265											
			=2160+00.00													

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 262 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C129A - TUNNEL DESIGN VARIANT

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0121A
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	2160+00.00	1810007.966	6286629.265									N 78°23'04.2" E		
	TANGENT	TS	2182+25.40	1810456.034	6288809.090											
	COSINE	TS	2182+25.40	1810456.034	6288809.090										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											
	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											
	COSINE	CS	2357+99.52	1818337.898	6304206.594										N 45°03'33.6" E	N 42°30'27.0" E
	COSINE	SPI	2365+43.05	1818863.109	6304732.894		2500	2°33'06.6"	1249.96	5.27						
	COSINE	ST	2382+99.52	1820158.170	6305919.911											
	TANGENT	ST	2382+99.52	1820158.170	6305919.911									N 42°30'27.0" E		
	TANGENT	POE	2387+88.85 = 3144+59.57	1820518.898	6306250.545											

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 263 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C130

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0122
SCALE NONE
SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	2160+00.00	1810007.966	6286629.265									N 78°23'04.2" E		
	TANGENT	TS	2182+25.40	1810456.034	6288809.090											
	COSINE	TS	2182+25.40	1810456.034	6288809.090										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											
	ARC	SC	2207+25.40	1810991.728	6291250.786											
C130A	ARC	PI	2284+49.03	1812882.124	6298739.506	28066	15074.12	30°46'23.9"			220	5.00	1.90			
	ARC	CC		1838204.101	6284381.500											
	ARC	CS	2357+99.52	1818337.898	6304206.594											
	COSINE	CS	2357+99.52	1818337.898	6304206.594										N 45°03'33.6" E	N 42°30'27.0" E
	COSINE	SPI	2365+43.05	1818863.109	6304732.894		2500	2°33'06.6"	1249.96	5.27						
	COSINE	ST	2382+99.52	1820158.170	6305919.911											
	TANGENT	ST	2382+99.52	1820158.170	6305919.911									N 42°30'27.0" E		
	TANGENT	POE	2387+88.85 = 3144+59.57	1820518.898	6306250.545											

NOTE: DESIGN VARIANT CURVE C130A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVE C130, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 264 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C130A - TUNNEL DESIGN VARIANT

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0122A
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	POB	2387+88.85 = 3144+59.57	1820518.898	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						
	Cosine	SC	3173+52.15	1822628.522	6308229.180											
	Arc	SC	3173+52.15	1822628.522	6308229.180											
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						
	Cosine	ST	3270+85.11	1828209.386	6316149.132											
	Tangent	ST	3270+85.11	1828209.386	6316149.132									N 62°25'25.9" E		
	Tangent	TS	3473+31.90	1837582.173	6334095.815											

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 265 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C131

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0123
SCALE NONE
SHEET NO.

CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	POB	2387+88.85 = 3144+59.57	1820518.898	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						
	Cosine	SC	3173+52.15	1822628.522	6308229.180											
	Arc	SC	3173+52.15	1822628.522	6308229.180											
C131A	Arc	PI	3209+88.88	1825197.141	6310803.666	28000	7232.96	14°48'02.3"			220	5.00	1.91			
	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						
	Cosine	ST	3270+85.11	1828209.386	6316149.132											
	Tangent	ST	3270+85.11	1828209.386	6316149.132									N 62°25'25.9" E		
	Tangent	TS	3473+31.90	1837582.173	6334095.815											

NOTE: DESIGN VARIANT CURVE C131A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVE C131, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 266 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
PACHECO PASS
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C131A - TUNNEL DESIGN VARIANT

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0123A
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3473+31.90	1837582.173	6334095.815										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											
	Arc	SC	3485+31.90	1838139.129	6335158.734											
C132	Arc	PI	3493+91.00	1838540.304	6335918.414	131366	1718.18	0°44'57.8"			200	0.00	1.22			
	Arc	CC		1954302.509	6273814.663											
	Arc	CS	3502+50.08	1838951.381	6336672.783											
	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											
	Tangent	ST	3514+50.08	1839528.955	6337724.642									N 61°09'03.9" E		
	Tangent	TS	3599+46.45	1843628.466	6345166.567											
	Cosine	TS	3599+46.45	1843628.466	6345166.567										N 61°09'03.9" E	N 58°48'44.9" E
	Cosine	SPI	3613+51.83	1844306.567	6346397.537		2000	2°20'19.0"	999.98	3.87						
	Cosine	SC	3619+46.45	1844614.582	6346906.381											
	Arc	SC	3619+46.45	1844614.582	6346906.381											
C133	Arc	PI	3660+91.36	1846760.988	6350452.261	24500	8212.07	19°12'17.2"			200	5.50	1.03			
	Arc	CC		1865573.770	6334219.284											
	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" E
	Cosine	SPI	3707+53.32	1850412.601	6353473.965		2000	2°20'19.0"	999.98	3.87						
	Cosine	ST	3721+58.51	1851531.007	6354325.009											
	Tangent	ST	3721+58.51	1851531.007	6354325.009									N 37°16'08.8" E		
	Tangent	TS	3796+87.11	1857522.263	6358884.019											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 267 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA

High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C132 AND C133

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0124
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3473+31.90	1837582.173	6334095.815										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											
C132A	Arc	SC	3485+31.90	1838139.129	6335158.734											
	Arc	PI	3493+91.00	1838540.304	6335918.414	131366	1718.18	0°44'57.8"			220	0.00	1.47			
	Arc	CC		1954302.509	6273814.663											
	Arc	CS	3502+50.08	1838951.381	6336672.783											
	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											
	Tangent	ST	3514+50.08	1839528.955	6337724.642									N 61°09'03.9" E		
	Tangent	TS	3599+46.45	1843628.466	6345166.567											
	Cosine	TS	3599+46.45	1843628.466	6345166.567										N 61°09'03.9" E	N 58°48'44.9" E
	Cosine	SPI	3613+51.83	1844306.567	6346397.537		2000	2°20'19.0"	999.98	3.87						
	Cosine	SC	3619+46.45	1844614.582	6346906.381											
C133A	Arc	SC	3619+46.45	1844614.582	6346906.381											
	Arc	PI	3660+91.36	1846760.988	6350452.261	24500	8212.07	19°12'17.2"			220	5.50	2.40			
	Arc	CC		1865573.770	6334219.284											
	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" E
	Cosine	SPI	3707+53.32	1850412.601	6353473.965		2000	2°20'19.0"	999.98	3.87						
	Cosine	ST	3721+58.51	1851531.007	6354325.009											
	Tangent	ST	3721+58.51	1851531.007	6354325.009									N 37°16'08.8" E		
	Tangent	TS	3796+87.11	1857522.263	6358884.019											

NOTE: DESIGN VARIANT CURVES C132A, C133A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVES C132, C133, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 268 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C132A AND C133A - TUNNEL DESIGN VARIANT

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0124A
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3796+87.11	1857522.263	6358884.019										N 37°16'08.8" E	N 40°59'45.3" E
	Cosine	SPI	3816+98.44	1859122.880	6360101.999		2862	3°43'36.6"	1430.91	8.82						
	Cosine	SC	3825+49.11	1859765.459	6360660.504											
	Arc	SC	3825+49.11	1859765.459	6360660.504											
C134	Arc	PI	3880+36.23	1863906.901	6364260.087	22000	10754.82	28°00'33.7"			200	6.00	1.27			
	Arc	CC		1845333.340	6377265.140											
	Arc	CS	3933+03.92	1865872.838	6369382.942											
	Cosine	CS	3933+03.92	1865872.838	6369382.942										N 69°00'19" E	N 72°43'55.6" E
	Cosine	SPI	3941+55.29	1866177.869	6370177.795		2862	3°43'36.6"	1430.91	8.82						
	Cosine	ST	3961+65.92	1866774.911	6372098.469											
	Tangent	ST	3961+65.92	1866774.911	6372098.469									N 72°43'55.6" E		
	Tangent	TS	4047+25.00	1869315.585	6380271.771											
	Cosine	TS	4047+25.00	1869315.585	6380271.771										N 72°43'55.6" E	N 73°28'41.4" E
	Cosine	SPI	4056+03.31	1869576.302	6381110.493		1250	0°44'45.7"	625	0.77						
	Cosine	SC	4059+75.00	1869682.008	6381466.848											
	Arc	SC	4059+75.00	1869682.008	6381466.848											
C135	Arc	PI	4066+40.04	1869871.133	6382104.431	48000	1330	1°35'15.2"			250	3.50	1.71			
	Arc	CC		1823663.860	6395117.127											
	Arc	CS	4073+05.00	1870042.521	6382747.009											
	Cosine	CS	4073+05.00	1870042.521	6382747.009										N 75°03'56.6" E	N 75°48'42.4" E
	Cosine	SPI	4076+76.70	1870138.313	6383106.156		1250	0°44'45.7"	625	0.77						
	Cosine	ST	4085+55.00	1870353.594	6383957.674											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 269 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C134 AND C135

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0125
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3796+87.11	1857522.263	6358884.019										N 37°16'08.8" E	N 40°59'45.3" E
	Cosine	SPI	3816+98.44	1859122.880	6360101.999		2862	3°43'36.6"	1430.91	8.82						
	Cosine	SC	3825+49.11	1859765.459	6360660.504											
	Arc	SC	3825+49.11	1859765.459	6360660.504											
C134A	Arc	PI	3880+36.23	1863906.901	6364260.087	22000	10754.82	28°00'33.7"			220	6.00	2.80			
	Arc	CC		1845333.340	6377265.140											
	Arc	CS	3933+03.92	1865872.838	6369382.942											
	Cosine	CS	3933+03.92	1865872.838	6369382.942										N 69°00'19" E	N 72°43'55.6" E
	Cosine	SPI	3941+55.29	1866177.869	6370177.795		2862	3°43'36.6"	1430.91	8.82						
	Cosine	ST	3961+65.92	1866774.911	6372098.469											
	Tangent	ST	3961+65.92	1866774.911	6372098.469									N 72°43'55.6" E		
	Tangent	TS	4047+25.00	1869315.585	6380271.771											
	Cosine	TS	4047+25.00	1869315.585	6380271.771										N 72°43'55.6" E	N 73°28'41.4" E
	Cosine	SPI	4056+03.31	1869576.302	6381110.493		1250	0°44'45.7"	625	0.77						
	Cosine	SC	4059+75.00	1869682.008	6381466.848											
	Arc	SC	4059+75.00	1869682.008	6381466.848											
C135	Arc	PI	4066+40.04	1869871.133	6382104.431	48000	1330	1°35'15.2"			250	3.50	1.71			
	Arc	CC		1823663.860	6395117.127											
	Arc	CS	4073+05.00	1870042.521	6382747.009											
	Cosine	CS	4073+05.00	1870042.521	6382747.009										N 75°03'56.6" E	N 75°48'42.4" E
	Cosine	SPI	4076+76.70	1870138.313	6383106.156		1250	0°44'45.7"	625	0.77						
	Cosine	ST	4085+55.00	1870353.594	6383957.674											

NOTE: DESIGN VARIANT CURVE C134A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVE C134, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 270 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C134A AND C135 - TUNNEL DESIGN VARIANT

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0125A
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	4085+55.00	1870353.594	6383957.674									N 75°48'42.4" E		
	Tangent	TS	4098+14.81	1870662.385	6385179.059											
	Cosine	TS	4098+14.81	1870662.385	6385179.059										N 75°48'42.4" E	N 77°01'45.5" E
	Cosine	SPI	4110+09.33	1870955.170	6386337.137		1700	1°13'03.1"	849.99	1.71						
	Cosine	SC	4115+14.81	1871068.638	6386829.767											
	Arc	SC	4115+14.81	1871068.638	6386829.767											
C136	Arc	PI	4233+20.38	1873718.430	6398334.115	40000	22959.31	32°53'12.4"			250	4.00	2.25			
	Arc	CC		1832089.239	6395807.876											
	Arc	CS	4344+74.12	1869696.938	6409433.621											
	Cosine	CS	4344+74.12	1869696.938	6409433.621										S 70°05'02.1" E	S 68°51'58.9" E
	Cosine	SPI	4349+79.65	1869524.733	6409908.916		1700	1°13'03.1"	849.99	1.71						
	Cosine	ST	4361+74.12	1869094.057	6411023.091											
	Tangent	ST	4361+74.12	1869094.057	6411023.091									S 68°51'58.9" E		
	Tangent	POE	4432+13.18 =4410+00.00	1866556.165	6417588.715											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 271 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
PACHECO PASS
TRACK GUIDEWAY
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C136

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0126
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	4426+12.16 = 4410+00.00	1866556.165	6417588.715									S 68°51'58.9" E		
	TANGENT	TS	4522+81.61	1862488.645	6428111.548											
	COSINE	TS	4522+81.61	1862488.645	6428111.548										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											
	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						
	COSINE	ST	4707+27.08	1859037.534	6446113.202											
	TANGENT	ST	4707+27.08	1859037.534	6446113.200									S 89°25'42.8" E		
	TANGENT	TS	4816+47.36	1858928.618	6457032.942											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 272 OF 285**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
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.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	COSINE	TS	4816+47.36	1858928.618	6457032.942										S 89°25'42.8" E	S 89°21'23.5" E
	COSINE	SPI	4822+65.69	1858922.451	6457651.237		880	0°04'19"	440	0.05						
	COSINE	SC	4825+27.36	1858919.513	6457912.895											
	ARC	SC	4825+27.36	1858919.513	6457912.895											
C138	ARC	PI	4831+20.89	1858912.847	6458506.388	350000	1187.06	0°11'40"			250	0.00	0.71			
	ARC	CC		1508941.586	6453982.139											
	ARC	CS	4837+14.42	1858904.168	6459099.854											
	COSINE	CS	4837+14.42	1858904.168	6459099.854										S 89°09'43.9" E	S 89°05'24.6" E
	COSINE	SPI	4839+76.09	1858900.342	6459361.500		880	0°04'19"	440	0.05						
	COSINE	ST	4845+94.42	1858890.524	6459979.748											
	TANGENT	ST	4845+94.42	1858890.524	6459979.748									S 89°05'24.6" E		
	TANGENT	TS	4977+06.47	1858682.317	6473090.146											
	COSINE	TS	4977+06.47	1858682.317	6473090.146										S 89°05'24.6" E	S 89°01'12.5" E
	COSINE	SPI	4983+24.80	1858672.498	6473708.394		880	0°04'12"	440	0.05						
	COSINE	SC	4985+86.47	1858668.023	6473970.030											
	ARC	SC	4985+86.47	1858668.023	6473970.030											
C139	ARC	PI	4990+27.67	1858660.478	6474411.165	360000	882.4	0°08'26"			250	0.00	0.69			
	ARC	CC		1498720.668	6467813.635											
	ARC	CS	4994+68.87	1858651.852	6474852.281											
	COSINE	CS	4994+68.87	1858651.852	6474852.281										S 88°52'46.9" E	S 88°48'34.8" E
	COSINE	SPI	4997+30.55	1858646.736	6475113.906		880	0°04'12"	440	0.05						
	COSINE	ST	5003+48.87	1858633.891	6475732.098											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 273 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
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.

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CURVE	ELEMENT	POINT TYPE	B2 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	5003+48.87	1858633.891	6475732.098									S 88°48'34.8" E		
	TANGENT	TS	5253+61.39	1858114.287	6500739.223											
	COSINE	TS	5253+61.39	1858114.287	6500739.223										S 88°48'34.8" E	S 89°02'41.9" E
	COSINE	SPI	5261+69.43	1858097.501	6501547.089		1150	0°14'07"	575	0.22						
	COSINE	SC	5265+11.39	1858091.801	6501889.002											
	ARC	SC	5265+11.39	1858091.801	6501889.002											
C140	ARC	PI	5271+05.93	1858081.892	6502483.461	140000	1189.07	0°29'12"			250	0.75	1.04			
	ARC	CC		1998072.354	6504222.431											
	ARC	CS	5277+00.47	1858077.032	6503077.982											
	COSINE	CS	5277+00.47	1858077.032	6503077.982										S 89°31'53.8" E	S 89°46'01.0" E
	COSINE	SPI	5280+42.43	1858074.236	6503419.932		1150	0°14'07"	575	0.22						
	COSINE	ST	5288+50.47	1858070.949	6504227.965											
	TANGENT	ST	5288+50.47	1858070.949	6504227.965									S 89°46'01.0" E		
	TANGENT	POE	5337+28.93	1858051.106	6509106.386											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 274 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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 High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOAQUIN VALLEY
 TRACK GUIDEWAY
 B2 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C140

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0129
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	2159+87.24	1810024.197	6286625.928									N 78°23'03.1" E		
	TANGENT	TS	2176+93.64	1810367.778	6288297.384											
	COSINE	TS	2176+93.64	1810367.778	6288297.384										N 78°23'03.1" E	N 76°03'04.7" E
	COSINE	SPI	2194+50.38	1810721.493	6290018.137		2500	2°19'58.4"	1249.97	4.82						
	COSINE	SC	2201+93.64	1810900.718	6290739.721											
	ARC	SC	2201+93.64	1810900.718	6290739.721											
	ARC	PI	2222+48.39	1811396.022	6292733.882	30700	4103.38	7°39'29.5"			200	4.00	1.21			
	ARC	CC		1840695.435	6283339.395											
	ARC	CS	2242+97.02	1812152.655	6294644.250											
	COMPOUND COSINE	CS	2242+97.02	1812152.655	6294644.250										N 68°23'35.2" E	N 66°02'44.0" E
C230	COMPOUND COSINE	SPI	2249+08.29	1812377.747	6295212.566		1200	2°20'51.2"	52.76	0.11						
	COMPOUND COSINE	SC	2254+97.02	1812616.846	6295750.742											
	ARC	SC	2254+97.02	1812616.846	6295750.742											
	ARC	PI	2306+81.51	1814721.801	6300488.684	28000	10252.86	20°58'48.7"			200	4.00	1.71			
	ARC	CC		1838205.166	6284382.460											
	ARC	CS	2357+49.88	1818383.604	6304158.851											
	COSINE	CS	2357+49.88	1818383.604	6304158.851										N 45°03'55.3" E	N 42°30'27.0" E
	COSINE	SPI	2364+93.41	1818908.760	6304685.207		2500	2°33'28.3"	1249.96	5.29						
	COSINE	ST	2382+49.88	1820203.822	6305872.225											

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 275 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE	
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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.	

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	2159+87.24	1810024.197	6286625.928									N 78°23'03.1" E		
	TANGENT	TS	2176+93.64	1810367.778	6288297.384											
	COSINE	TS	2176+93.64	1810367.778	6288297.384										N 78°23'03.1" E	N 76°03'04.7" E
	COSINE	SPI	2194+50.38	1810721.493	6290018.137		2500	2°19'58.4"	1249.97	4.82						
	COSINE	SC	2201+93.64	1810900.718	6290739.721											
	ARC	SC	2201+93.64	1810900.718	6290739.721											
	ARC	PI	2222+48.39	1811396.022	6292733.882	30700	4103.38	7°39'29.5"			220	4.00	2.31			
	ARC	CC		1840695.435	6283339.395											
	ARC	CS	2242+97.02	1812152.655	6294644.250											
	COMPOUND COSINE	CS	2242+97.02	1812152.655	6294644.250										N 68°23'35.2" E	N 66°02'44.0" E
C230A	COMPOUND COSINE	SPI	2249+08.29	1812377.747	6295212.566		1200	2°20'51.2"	52.76	0.11						
	COMPOUND COSINE	SC	2254+97.02	1812616.846	6295750.742											
	ARC	SC	2254+97.02	1812616.846	6295750.742											
	ARC	PI	2306+81.51	1814721.801	6300488.684	28000	10252.86	20°58'48.7"			220	4.00	2.91			
	ARC	CC		1838205.166	6284382.460											
	ARC	CS	2357+49.88	1818383.604	6304158.851											
	COSINE	CS	2357+49.88	1818383.604	6304158.851										N 45°03'55.3" E	N 42°30'27.0" E
	COSINE	SPI	2364+93.41	1818908.760	6304685.207		2500	2°33'28.3"	1249.96	5.29						
	COSINE	ST	2382+49.88	1820203.822	6305872.225											

NOTE: DESIGN VARIANT CURVE C230A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVE C230, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 276 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 TRACK GUIDEWAY
 B1 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C230A - TUNNEL DESIGN VARIANT

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0130A
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	POB	2387+88.85 = 3144+59.57	1820563.494	6306201.890									N 42°30'27.0" E		
	Tangent	TS	3155+25.93	1821349.600	6306922.413											
	Cosine	TS	3155+25.93	1821349.600	6306922.413										N 42°30'27.0" E	N 44°13'38.9" E
	Cosine	SPI	3166+50.20	1822178.400	6307682.069		1600	1°43'11.8"	799.99	2.27						
	Cosine	SC	3171+25.93	1822519.356	6308013.952											
	Arc	SC	3171+25.93	1822519.356	6308013.952											
C231	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											
	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						
	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											
	Cosine	TS	3288+23.11	1829099.770	6317613.380										N 61°31'28.8" E	N 61°45'32.6" E
	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											
	Arc	SC	3297+23.11	1829527.909	6318405.021											
C231A	Arc	PI	3301+36.26	1829723.404	6318768.994	110000	826.3	0°25'49.4"			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										N 62°11'22.1" E	N 62°25'25.9" E
	Cosine	SPI	3308+17.03	1830041.019	6319371.135		900	0°14'03.8"	450	0.17						
	Cosine	ST	3314+49.41	1830333.764	6319931.674											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 277 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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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

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0131
SCALE	NONE
SHEET NO.	

CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	POB	2387+88.85 = 3144+59.57	1820563.494	6306201.890									N 42°30'27.0" E		
	Tangent	TS	3155+25.93	1821349.600	6306922.413											
	Cosine	TS	3155+25.93	1821349.600	6306922.413										N 42°30'27.0" E	N 44°13'38.9" E
	Cosine	SPI	3166+50.20	1822178.400	6307682.069		1600	1°43'11.8"	799.99	2.27						
	Cosine	SC	3171+25.93	1822519.356	6308013.952											
	Arc	SC	3171+25.93	1822519.356	6308013.952											
C231B	Arc	PI	3207+71.14	1825131.428	6310556.517	26650	7245.46	15°34'38.2"			220	5.00	2.26			
	Arc	CC		1803930.752	6327110.713											
	Arc	CS	3243+71.38	1826964.781	6313707.132											
	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						
	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											
	Cosine	TS	3288+23.11	1829099.770	6317613.380										N 61°31'28.8" E	N 61°45'32.6" E
	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											
	Arc	SC	3297+23.11	1829527.909	6318405.021											
C231C	Arc	PI	3301+36.26	1829723.404	6318768.994	110000	826.3	0°25'49.4"			220	0.00	1.76			
	Arc	CC		1732621.688	6370454.847											
	Arc	CS	3305+49.41	1829916.160	6319134.425											
	Cosine	CS	3305+49.41	1829916.160	6319134.425										N 62°11'22.1" E	N 62°25'25.9" E
	Cosine	SPI	3308+17.03	1830041.019	6319371.135		900	0°14'03.8"	450	0.17						
	Cosine	ST	3314+49.41	1830333.764	6319931.674											

NOTE: DESIGN VARIANT CURVES C231B, C231C CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVES C231, C231A, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 278 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
TRACK GUIDEWAY
B1 TRACK ALIGNMENT DATA TABLE
CURVE NO. C231B AND C231C - TUNNEL DESIGN VARIANT

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0131A
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	3314+49.41	1830333.764	6319931.674									N 62°25'25.9" E		
	Tangent	TS	3473+59.21	1837698.838	6334034.058											
	Cosine	TS	3473+59.21	1837698.838	6334034.058										N 62°25'25.9" E	N 62°09'43.3" E
	Cosine	SPI	3482+02.38	1838089.165	6334781.443		1200	0°15'42.6"	600	0.26						
	Cosine	SC	3485+59.21	1838255.794	6335096.977											
	Arc	SC	3485+59.21	1838255.794	6335096.977											
C232	Arc	PI	3494+17.58	1838656.629	6335856.009	131300	1716.71	0°44'56.9"			200	0.00	1.22			
	Arc	CC		1954360.672	6273783.460											
	Arc	CS	3502+75.92	1839067.354	6336609.735											
	Cosine	CS	3502+75.92	1839067.354	6336609.735										N 61°24'46.5" E	N 61°09'03.9" E
	Cosine	SPI	3506+32.75	1839238.094	6336923.063		1200	0°15'42.6"	600	0.26						
	Cosine	ST	3514+75.92	1839644.926	6337661.593											
	Tangent	ST	3514+75.92	1839644.926	6337661.593									N 61°09'03.9" E		
	Tangent	TS	3599+57.59	1843737.348	6345090.649											
	Cosine	TS	3599+57.59	1843737.348	6345090.649										N 61°09'03.9" E	N 58°48'22.2" E
	Cosine	SPI	3613+62.98	1844415.449	6346321.620		2000	2°20'41.7"	999.98	3.88						
	Cosine	SC	3619+57.59	1844723.521	6346830.431											
	Arc	SC	3619+57.59	1844723.521	6346830.431											
C233	Arc	PI	3660+88.57	1846863.100	6350364.152	24434	8184.56	19°11'31.7"			200	5.50	1.05			
	Arc	CC		1865624.853	6334175.206											
	Arc	CS	3701+42.15	1850045.429	6352998.115											
	Cosine	CS	3701+42.15	1850045.429	6352998.115										N 39°36'50.5" E	N 37°16'08.8" E
	Cosine	SPI	3707+36.96	1850503.643	6353377.372		2000	2°20'41.7"	999.98	3.88						
	Cosine	ST	3721+42.15	1851622.050	6354228.417											
	Tangent	ST	3721+42.15	1851622.050	6354228.417									N 37°16'08.8" E		
	Tangent	TS	3796+77.89	1857618.997	6358791.757											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 279 OF 285**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TRACK GUIDEWAY
B1 TRACK ALIGNMENT DATA TABLE
CURVE NO. C232 AND C233

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0132
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Tangent	ST	3314+49.41	1830333.764	6319931.674									N 62°25'25.9" E		
	Tangent	TS	3473+59.21	1837698.838	6334034.058											
	Cosine	TS	3473+59.21	1837698.838	6334034.058										N 62°25'25.9" E	N 62°09'43.3" E
	Cosine	SPI	3482+02.38	1838089.165	6334781.443		1200	0°15'42.6"	600	0.26						
	Cosine	SC	3485+59.21	1838255.794	6335096.977											
	Arc	SC	3485+59.21	1838255.794	6335096.977											
C232A	Arc	PI	3494+17.58	1838656.629	6335856.009	131300	1716.71	0°44'56.9"			220	0.00	1.47			
	Arc	CC		1954360.672	6273783.460											
	Arc	CS	3502+75.92	1839067.354	6336609.735											
	Cosine	CS	3502+75.92	1839067.354	6336609.735										N 61°24'46.5" E	N 61°09'03.9" E
	Cosine	SPI	3506+32.75	1839238.094	6336923.063		1200	0°15'42.6"	600	0.26						
	Cosine	ST	3514+75.92	1839644.926	6337661.593											
	Tangent	ST	3514+75.92	1839644.926	6337661.593									N 61°09'03.9" E		
	Tangent	TS	3599+57.59	1843737.348	6345090.649											
	Cosine	TS	3599+57.59	1843737.348	6345090.649										N 61°09'03.9" E	N 58°48'22.2" E
	Cosine	SPI	3613+62.98	1844415.449	6346321.620		2000	2°20'41.7"	999.98	3.88						
	Cosine	SC	3619+57.59	1844723.521	6346830.431											
	Arc	SC	3619+57.59	1844723.521	6346830.431											
C233A	Arc	PI	3660+88.57	1846863.100	6350364.152	24434	8184.56	19°11'31.7"			220	5.50	2.42			
	Arc	CC		1865624.853	6334175.206											
	Arc	CS	3701+42.15	1850045.429	6352998.115											
	Cosine	CS	3701+42.15	1850045.429	6352998.115										N 39°36'50.5" E	N 37°16'08.8" E
	Cosine	SPI	3707+36.96	1850503.643	6353377.372		2000	2°20'41.7"	999.98	3.88						
	Cosine	ST	3721+42.15	1851622.050	6354228.417											
	Tangent	ST	3721+42.15	1851622.050	6354228.417									N 37°16'08.8" E		
	Tangent	TS	3796+77.89	1857618.997	6358791.757											

NOTE: DESIGN VARIANT CURVES C232A, C233A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVES C232, C233, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 280 OF 285

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B1 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C232A AND C233A - TUNNEL DESIGN VARIANT

CONTRACT NO.	HSR15-34
DRAWING NO.	TT-B0132A
SCALE	NONE
SHEET NO.	

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3796+77.89	1857618.997	6358791.757										N 37°16'08.8" E	N 40°59'05.2" E
	Cosine	SPI	3816+89.22	1859219.613	6360009.736		2862	3°42'56.5"	1430.91	8.79						
	Cosine	SC	3825+39.89	1859862.298	6360568.114											
	Arc	SC	3825+39.89	1859862.298	6360568.114											
C234	Arc	PI	3880+48.04	1864020.309	6364180.680	22066	10795.67	28°01'54.0"			200	6.00	1.25			
	Arc	CC		1845390.124	6377225.380											
	Arc	CS	3933+35.56	1865992.777	6369323.544											
	Cosine	CS	3933+35.56	1865992.777	6369323.544										N 69°00'59.2" E	N 72°43'55.6" E
	Cosine	SPI	3941+86.93	1866297.653	6370118.454		2862	3°42'56.5"	1430.91	8.79						
	Cosine	ST	3961+97.56	1866894.695	6372039.126											
	Tangent	ST	3961+97.56	1866894.695	6372039.126									N 72°43'55.6" E		
	Tangent	TS	4025+52.66	1868781.141	6378107.789											
	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°44'41.4"	650	0.8						
	Cosine	SC	4038+52.66	1869162.228	6379350.668											
	Arc	SC	4038+52.66	1869162.228	6379350.668											
C235	Arc	PI	4045+46.46	1869359.543	6380015.811	50000	1387.5	1°35'23.8"			250	3.50	1.50			
	Arc	CC		1821226.954	6393570.706											
	Arc	CS	4052+40.16	1869538.327	6380686.173											
	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		1300	0°44'41.4"	650	0.8						
	Cosine	ST	4065+40.16	1869861.835	6381945.267											
	Tangent	ST	4065+40.16	1869861.835	6381945.267									N 75°48'42.4" E		
	Tangent	TS	4098+71.53	1870678.382	6385175.015											

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 281 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

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NOVEMBER 30, 2021
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HNTB
1111 Broadway
9th Floor
Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
PACHECO PASS
TRACK GUIDEWAY
B1 TRACK ALIGNMENT DATA TABLE
CURVE NO. C234 AND C235

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0133
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	3796+77.89	1857618.997	6358791.757										N 37°16'08.8" E	N 40°59'05.2" E
	Cosine	SPI	3816+89.22	1859219.613	6360009.736		2862	3°42'56.5"	1430.91	8.79						
	Cosine	SC	3825+39.89	1859862.298	6360568.114											
	Arc	SC	3825+39.89	1859862.298	6360568.114											
C234A	Arc	PI	3880+48.04	1864020.309	6364180.680	22066	10795.67	28°01'54.0"			220	6.00	2.77			
	Arc	CC		1845390.124	6377225.380											
	Arc	CS	3933+35.56	1865992.777	6369323.544											
	Cosine	CS	3933+35.56	1865992.777	6369323.544										N 69°00'59.2" E	N 72°43'55.6" E
	Cosine	SPI	3941+86.93	1866297.653	6370118.454		2862	3°42'56.5"	1430.91	8.79						
	Cosine	ST	3961+97.56	1866894.695	6372039.126											
	Tangent	ST	3961+97.56	1866894.695	6372039.126									N 72°43'55.6" E		
	Tangent	TS	4025+52.66	1868781.141	6378107.789											
	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°44'41.4"	650	0.8						
	Cosine	SC	4038+52.66	1869162.228	6379350.668											
	Arc	SC	4038+52.66	1869162.228	6379350.668											
C235	Arc	PI	4045+46.46	1869359.543	6380015.811	50000	1387.5	1°35'23.8"			250	3.50	1.50			
	Arc	CC		1821226.954	6393570.706											
	Arc	CS	4052+40.16	1869538.327	6380686.173											
	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		1300	0°44'41.4"	650	0.8						
	Cosine	ST	4065+40.16	1869861.835	6381945.267											
	Tangent	ST	4065+40.16	1869861.835	6381945.267									N 75°48'42.4" E		
	Tangent	TS	4098+71.53	1870678.382	6385175.015											

NOTE: DESIGN VARIANT CURVE C234A CHANGES DESIGN SPEED AND SUPERELEVATION ONLY FOR CURVE C234, NO ALIGNMENT CHANGES - REFER TO BASE DESIGN COMPOSITE PLAN SHEETS FOR ALIGNMENT GEOMETRY AND LOCATION.

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 2
 BOOK 2E
 SHEET 282 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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 Oakland, CA 94607



CALIFORNIA

High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 PACHECO PASS
 TRACK GUIDEWAY
 B1 TRACK ALIGNMENT DATA TABLE
 CURVE NO. C234A AND C235 - TUNNEL DESIGN VARIANT

CONTRACT NO. HSR15-34
DRAWING NO. TT-B0133A
SCALE NONE
SHEET NO.

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CURVE	ELEMENT	POINT TYPE	B1 TRACK STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA, Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	Cosine	TS	4098+71.53	1870678.382	6385175.015										N 75°48'42.4" E	N 77°01'43.7" E
	Cosine	SPI	4110+66.04	1870971.167	6386333.093		1700	1°13'01.3"	849.99	1.71						
	Cosine	SC	4115+71.53	1871084.639	6386825.722											
	Arc	SC	4115+71.53	1871084.639	6386825.722											
C236	Arc	PI	4233+82.35	1873735.710	6398335.164	40016.5	22969.48	32°53'16.1"			250	4.00	2.25			
	Arc	CC		1832089.239	6395807.876											
	Arc	CS	4345+41.01	1869712.333	6409439.572											
	Cosine	CS	4345+41.01	1869712.333	6409439.572										S 70°05'00.3" E	S 68°51'58.9" E
	Cosine	SPI	4350+46.54	1869540.123	6409914.865		1700	1°13'01.3"	849.99	1.71						
	Cosine	ST	4362+41.01	1869109.447	6411029.040											
	Tangent	ST	4362+41.01	1869109.447	6411029.040									S 68°51'58.9" E		
	Tangent	POE	4432+80.06= 4410+00.00	1866571.556	6417594.664											

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 283 OF 285

REV	DATE	BY	CHK	APP	DESCRIPTION

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Oakland, CA 94607



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
DRAWING NO. TT-B0134
SCALE NONE
SHEET NO.

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CURVE DATA "MT1"				
NO.	R	Δ	L	T
1	1500	2°40'31.66"	70.043	35.028
2	7492	1°28'49.82"	193.591	96.801
3	4992	0°46'50.72"	68.025	34.013
4	2000	2°59'05.04"	104.187	52.105
5	1500	2°14'07.07"	58.52	29.264
6	10927.785	9°28'51.14"	1808.247	906.192
7	15141.05	4°33'14.77"	1203.473	602.053
8	286586.687	0°08'58.21"	747.796	373.898
9	27359.087	0°28'18.34"	225.269	112.635
10	15991.75	3°32'12.08"	987.121	493.717
11	31958.682	0°23'52.99"	222.028	111.014
12	48356.342	1°00'04.13"	844.946	422.484
13	12073.291	1°27'55.75"	308.805	154.411
14	6008.25	12°35'38.91"	1320.669	663.006
15	12491.93	1°25'02.58"	309.025	154.52
16	62043.721	0°06'56.66"	125.331	62.665
17	31008.25	0°50'40.18"	457.038	228.523
18	62037.731	0°06'56.70"	125.331	62.665
19	90962.02	0°05'45.41"	152.326	76.163
20	45008.25	1°36'47.75"	1267.288	633.686
21	90036.298	0°05'48.95"	152.318	76.159
22	130046.935	0°04'31.28"	171.036	85.518
23	65008.25	0°38'06.33"	720.582	360.294
24	155094.437	0°03'50.50"	173.317	86.658
25	339976.234	0°02'12.03"	217.622	108.811
26	169991.75	0°16'46.41"	829.425	414.713
27	339943.293	0°02'12.04"	217.622	108.811
28	10000	0°25'12.98"	73.351	36.676

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 284 OF 285**

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE
DATE

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SET PEPP**

NOVEMBER 30, 2021

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CONSTRUCTION**

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9th Floor
Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MONTEREY CORRIDOR
VIADUCT
ALIGNMENT DATA TABLE

CONTRACT NO. HSR15-34
DRAWING NO. CV-B0101
SCALE AS SHOWN
SHEET NO.

CURVE	RADIUS (FT)	DELTA, Δ	LENGTH (FT)	TANGENT (0°)	ALIGNMENT
1	12100	15°35'30.00"	3292.73	1656.6	MR1
2	20031	2°46'32.77"	970.428	485.309	MR2
3	20037	3°56'54.72"	1380.848	690.697	MR2
4	20031	0°22'02.87"	128.468	64.234	MR2
5	20031	0°30'00.00"	174.803	87.402	MR2
6	20031	0°37'27.82"	218.293	109.148	MR2
7	20031	0°32'23.85"	188.773	94.387	MR2
8	19993	0°07'55.95"	46.133	23.066	MR2
9	20007	0°12'43.82"	74.088	37.044	MR2
10	20007	0°12'43.82"	74.088	37.044	MR2
11	5000	10°38'10.83"	928.196	465.435	MR2

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 2
BOOK 2E
SHEET 285 OF 285**

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Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
ALIGNMENT DATA TABLE

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-T0201
SCALE	AS SHOWN
SHEET NO.	