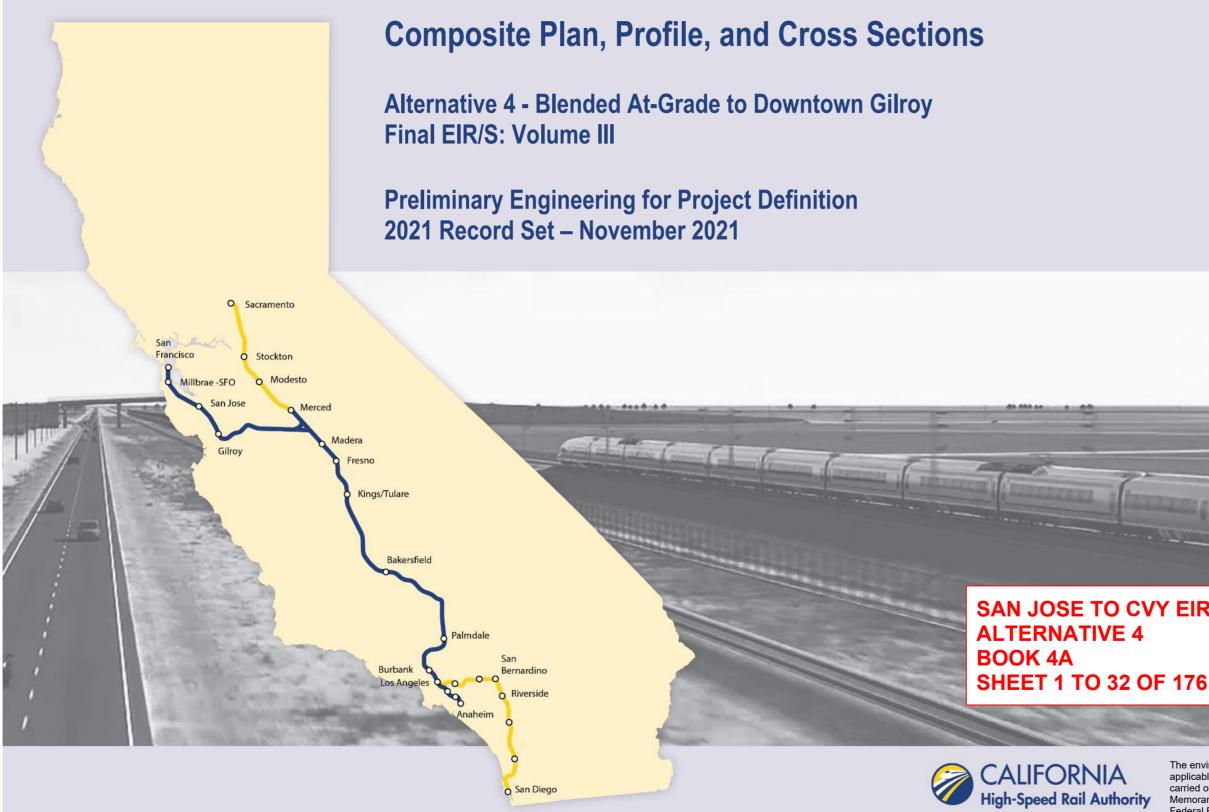
California High-Speed Rail Authority

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





# SAN JOSE TO CVY EIR/S: VOLUME III

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
		VING AND KE	νμαρς				
BOOK 4A		COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 4	
BOOK 4A	В	GE-A0401	CP COAST TO GILROY	SCOTT BLVD TO MILLER CANAL	INDEX OF DRAWING	SHEET 1 OF 6	
BOOK 4A	C	GE-D0401	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 4A	D	GE-D0401	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	SHEET 1 OF 2
		1	L			L	
		PROACH (CP CO					
BOOK 4A	1	TT-D4001	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	SCOTT BLVD TO BENTON ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2782+86 TO B2952+50
BOOK 4A	2	TT-D4002	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	NEWHALL ST TO EMORY ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2952+50 TO B3029+40
BOOK 4A	3	TT-D4003	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3029+40 TO B3112+50
BOOK 4A	4	TT-D4003A	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3029+40 TO B3112+50 - DIRIDON DESIGN VARIAN
BOOK 4A	5	TT-D4004	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3112+50 TO B3161+50
BOOK 4A	6	TT-D4004A	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3112+50 TO B3161+50 - DIRIDON DESIGN VARIAN
BOOK 4A	7	TT-D4005	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	WILLOW ST TO CURTNER AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3161+50 TO B3249+50
ONTEREY CO	RRIDOR (CP COA	ST TO GILROY)	•	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
BOOK 4A	8	TT-D4006	MONTEREY CORRIDOR (CP COAST TO GILROY)	COMMUNICATION HILL BLVD TO ESFAHAN CT	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3249+50 TO B324+50
BOOK 4A	9	TT-D4007	MONTEREY CORRIDOR (CP COAST TO GILROY)	CAPIITOL EXPRESSWAY TO SKYWAY DR	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B324+50 TO B411+50
BOOK 4A	10	TT-D4008	MONTEREY CORRIDOR (CP COAST TO GILROY)	BRANHAM LANE TO BLOSSOM HILL RD	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B411+50 TO B501+00
BOOK 4A	11	TT-D4009	MONTEREY CORRIDOR (CP COAST TO GILROY)	FORD RD TO CA-85	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B501+00 TO B590+70
BOOK 4A	12	TT-D4010	MONTEREY CORRIDOR (CP COAST TO GILROY)	BERNAL RD TO FORSUM RD	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B590+70 TO B679+50
BOOK 4A	13	TT-D4011	MONTEREY CORRIDOR (CP COAST TO GILROY)	METCALF RD TO EMADO AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B679+50 TO B767+50
RGAN HILL	AND GILROY (CF	COAST TO GILR	(YC	·			
BOOK 4A	14	TT-D4012	MORGAN HILL AND GILROY (CP COAST TO GILROY)	BAILEY AVE TO RICHMOND AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B767+50 TO B856+50
BOOK 4A	15	TT-D4013	MORGAN HILL AND GILROY (CP COAST TO GILROY)	FOX LN TO MIRAMONTE AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B856+50 TO B945+50
BOOK 4A	16	TT-D4014	MORGAN HILL AND GILROY (CP COAST TO GILROY)	LIVE OAK AVE TO TILTON AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B945+50 TO B1036+00
BOOK 4A	17	TT-D4015	MORGAN HILL AND GILROY (CP COAST TO GILROY)	PEEBLES AVE TO E CENTRAL AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1036+00 TO B1125+00
BOOK 4A	18	TT-D4016	MORGAN HILL AND GILROY (CP COAST TO GILROY)	MAIN AVE TO TENNANT AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1125+00 TO B1215+00
BOOK 4A	19	TT-D4017	MORGAN HILL AND GILROY (CP COAST TO GILROY)	BUTTERFIELD BLVD TO E MIDDLE AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1215+00 TO B1304+00
BOOK 4A	20	TT-D4018	MORGAN HILL AND GILROY (CP COAST TO GILROY)	CALIFORNIA AVE TO HIGHLAND AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1304+00 TO B1393+00
BOOK 4A	21	TT-D4019	MORGAN HILL AND GILROY (CP COAST TO GILROY)	CHURCH AVE TO MASTEN AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1393+00 TO B1481+00
BOOK 4A	22	TT-D4020	MORGAN HILL AND GILROY (CP COAST TO GILROY)	RUCKER AVE TO LAS ANIMAS AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1481+00 TO B1566+00
BOOK 4A	23	TT-D4021	MORGAN HILL AND GILROY (CP COAST TO GILROY)	LAS ANIMAS AVE TO IOOF AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1566+00 TO B1635+00
BOOK 4A	24	TT-D4022	MORGAN HILL AND GILROY (CP COAST TO GILROY)	LEWIS ST TO E LUCHESSA AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1635+00 TO B1717+00
BOOK 4A	25	TT-D4023	MORGAN HILL AND GILROY (CP COAST TO GILROY)	US 101 TO CARNADERO AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1717+00 TO B1805+00
300K 4A	26	TT-D4023A	MORGAN HILL AND GILROY (CP COAST TO GILROY)	US 101 TO CARNADERO AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1717+00 TO B1805+00 - TUNNEL DESIGN VARIAN
BOOK 4A	27	TT-D4024	MORGAN HILL AND GILROY (CP COAST TO GILROY)	BLOOMFIELD AVE TO SHELDON RD	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1805+00 TO B1880+00
BOOK 4A	28	TT-D4024A	MORGAN HILL AND GILROY (CP COAST TO GILROY)	BLOOMFIELD AVE TO SHELDON RD	BLENDED AT GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1805+00 TO B1880+00 - TUNNEL DESIGN VARIAN
BOOK 4A	29	TT-D4025	MORGAN HILL AND GILROY (CP COAST TO GILROY)	PAJARO RIVER TO MILLER CANAL	BLENDED AT GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1880+00 TO B1938+35
BOOK 4A	30	TT-D4025A	MORGAN HILL AND GILROY (CP COAST TO GILROY)	PAJARO RIVER TO MILLER CANAL	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B1880+00 TO B1938+35 - TUNNEL DESIGN VARIAN
BOOK 4A	31	TT-Y4001	SAN JOSE DIRIDON STATION APPROACH	MORGAN HILL AND GILROY	BLENDED AT GRADE ALTERNATIVE	PROJECT BOUNDARY DETAILS	
2001011	51	1114001	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT GRADE ALTERNATIVE	PROJECT BOUNDARY DETAILS	DIRIDON DESIGN VARIANT

			DATE	CONSTRUCTION			
				NOT FOR			
			IN CHARGE		Oakianu, CA 94007	High-Speed Rail Authority	
					Oakland, CA 94607		
			CHECKED BY	NOVEMBER 30, 2021	1111 Broadway 9th F <b>l</b> oor	CALIFORNIA	
 -	-						
			DRAWN BY	SET PEPD			
			DESIGNED BY	2021 RECORD			CALIFO

ADDITIONAL DESCRIPTION

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 4 BOOK 4A SHEET B

RNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED ALTERNATIVE 4 INDEX OF DRAWING SHEET 1 OF 6

CONTRACT NO. HSR15-34
DRAWING NO. GE-A0401

SCALE NONE SHEET NO.



# ALTERNATIVE 4 BOOK INDEX

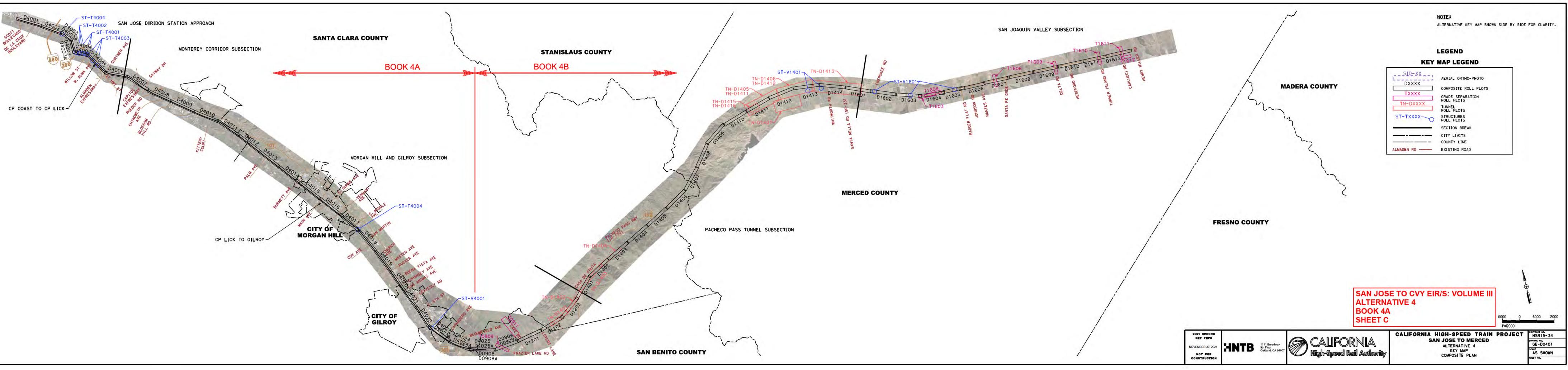
BOOK 4A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS

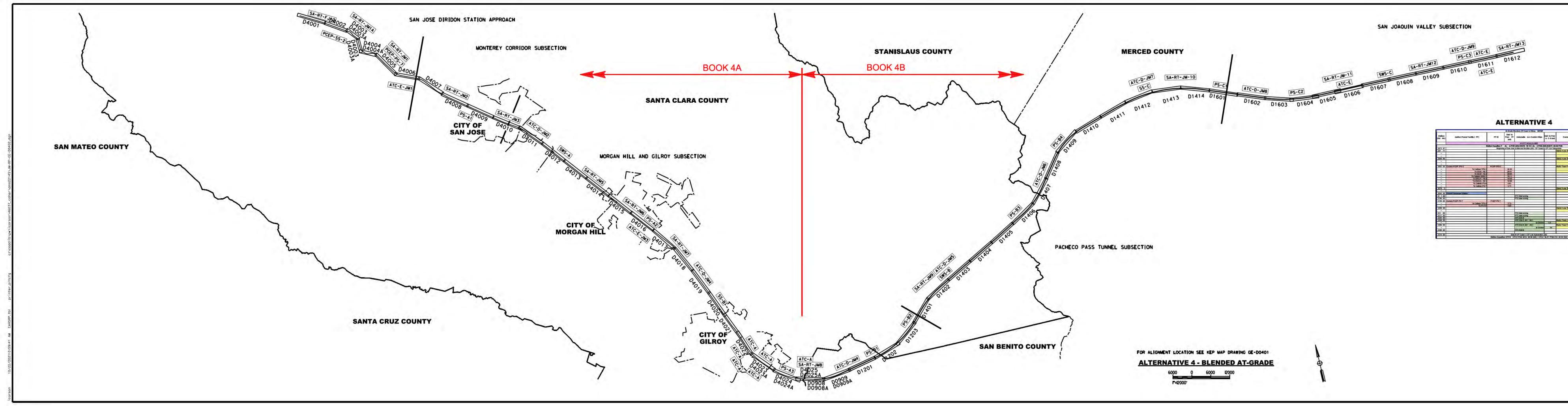
BOOK 4B: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS

**BOOK 4C: STATIONS** 

BOOK 4D: STRUCTURES, ROADWAY, MAINTENANCE OF WAY

BOOK 4E: TUNNELS - PACHECO PASS, CONSTRUCTION STAGING, ALIGNMENT DATA TABLES







-			At-Grade B	lended, CP Coast to Gilroy MOWF	-	(	
Station (SB RK)	raotion Power Facility ( PF)	PFID	Dist to Prev PF (ml)	Automatio na n Control Stlas	Dist to Prev A C D (ml)	Communications Radio ower	Dist to Prev (m )
		0		SCOTT BOULEVARD	A		-
	8			(88) 82376 19 10 = AL 4 POB (			
2872 87		Beginni	ng of San Jose	to Merced Section (JM) - CP Coast	to CP Lick Sub		
287 71		-	-		1 million 1 million	Stand Aone Radio Tower FJ12 - At 1	
-			1			ID SAHT FJ1(-AL1	2.05
			1			to SA-RT FJ11 - AIL2	1.6
2899 66			1			Stand A one Radio Tower FJ12 - At 2	
-	1					to SA-RTFJ11-Att	2.52
	A second s					to SA-RT FJ11 - Alt 2	2.11
3002.00	Castain PCEP TPS-2	PCEP-TPS-2				Radio Tower PCEP TPS-2	
	To Catrain TPS-1	-	3635			ID SA-RT FJ12-AIT	2.1
	To SS-B - At 1		28.81			to SA-RT FJ12 - At 2	1.9
-	To 88-8 - At 2		2909	-			
	To Calitain SWS-1		19.11				
-	To SWS-A - AL2		1589		1	1 F	1
-	To SWS-A - AK 1		1598		· · · · · · · · · · · · · · · · · · ·		15
-	To Catrain PS-6		6.62				
	To Calmin PS-7		3.73		1.7	the state of the second se	
3078 2						Stand A one Radio Tower JM1A	
-			1			b RT PCEP TPS-2	1.7
3085 00	Division Passenger Station	1			P	Provide the second seco	10 m
31 1 50				PTC interacting			
3196 50		-		PTC Inter octing		1	
3199.00	Catrain FCEP PS-7	PCEP-PS-7					
	to Calirain TPS-2		3.73	2			d
	To PS-A1		5.93				1
3208 00			1111			Stand A one Radio Tower JM1	10.00
			1	1		0.SA-RT JM1A	2.5
321 00			1	PTC interociting		1	
3217 50	S	-		PTC interocking		15 - 11	
3285 00				ATC SIte B			
3288 00		-	1	ATC SILE E JM1-AL1	1.000	Radio Tower ATC-E-UM1 - At 1	1000
			1	to Diridor	n 3.8	ID SA-RT JM1	1.52
3306.00				ATC SILE E JM1-AL2		Rado Tower ATC-E-JM1 - At 2	1.
-			1	to Diristor	n .19	ID SA-FCT JM1	1.86
3308 00		-		ATC SItz B			
3315 00			-	of CP Coast o CP Lick Subsection	180		
2210 00				PLK POE 3316 00 00 (SB) = CPLK			

## **ALTERNATIVE 4 (CONTINUED)**

Station (SE RK) raction Power Facility ( PF)

512 00 Para le ing Staten A1

In Station A - At 7

Switching Station A - At 1

00 Parale ing Station A2 - A3 1

27 00 Para leing Station A2 - Alt 2

Substation B (HSR) - At 1

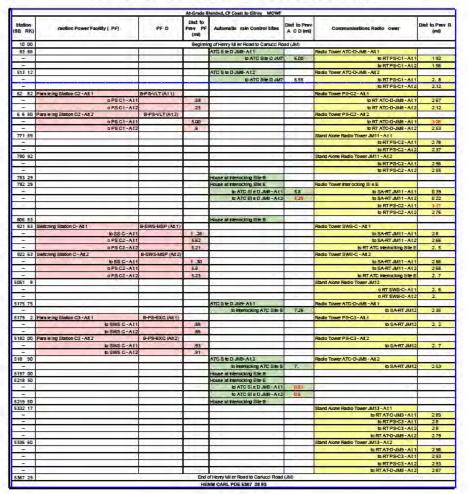
2160 00

-		(ml) Beg	nning of CP Lick to Giroy Subsection	ACD (ml) (JM)		(imi)
			ATC Ste B - A12 ATC Ste B - A12		-	
			PTC/ATC Sile 8		Stand Alone Radio Tower JM2	
to Caltrain PE-7	BIPSIAI	5.93		_	ID ATC-E-JMD Radio Tower PS-A1 o SA-RT JM2	265
b SWS-A - At1 b SWS-A - At1		6.23 5.32		-		
		-			Stand Alone Radio Tower JNB - At1 bi RT P3-A1	212
_			ATC S & D JM2 - Alt1		Stand Alone Radio Tower JNB - A12 to RT PS-A1 Radio Tower ATC-D-JM2 - AR 1	227
			to ATC SILE E JAN - At 1 to ATC SILE E JAN - At 2	8.37 8.03	to SA-RT JM2- At1 to SA-RT JM2- At2	201
			PTC in enocking ATC Site D JM2 - Alt2 ID ATC Site E JM1 - Att		Radio Tower ATC-D-JM2 - At 2	
			to ATC Site E JAN - A11 to ATC Site E JAN - A12 PTC in effocting		to SA-RT JM2- At1 to SA-RT JM2- At2	220
o Califain TPS-2	B-SWS-A (AL2)	15.89		-	Radio Tower SWS-A - At 2 to RT ATC-D-JM2- At 1	210
10 35-8 -At1		12.92 13.20 5.23			to RT ATC-D-JM2 - At2	191
0 PS-A1 0 PS-A2-A11 0 PS-A2-A12		5.51 7,31		-		
caltain TPS-2	B-BWS-A (AR1)	15,98			Radio Tower SWS-A - At 1 to RT ATC-D-JM2 - At 1	219
688-8-At1		12.83		-	to RT ATC-D-JM2-At2	200
0 PS-A1-A11 0 PS-A2-A11 0 PS-A2-A12		6.32 5.52 7.23		-		
				-	Stand Alone Radio Tower JMS - A12 Ib RT SWS-A - A11	228
		1	ATCSIE		b RTSWS-A-At2	2.37
			ATC S IE B PTC/ATC SIIE B	10.00		
					Stand Alone Radio Tower JMS - At1 to RT SWS-A - At1	271
				-	ID RT SWS-A-A12 Stand Alone Radio Tower JM5-A11	279
		-			to SA-RT JM5- At1 to SA-RT JM5- At2	2.7
					Stand Alone Radio Tower JM6 - A12 to SA-RT JM5 - A11 to SA-RT JM5 - A12	265
			ATC-Stel B ATC-StelEJM3-Att2		Radio Tower ATC-E-JMB+At2	
			bATC BIED JAD-ATT bATC BIED JAD-AT2	8.58 8.39	to SA-RTJMG-AL1 to SA-RTJMG-AL2	121
ID SWS-A-ALT	B-PS-A2.(At 1)	6.52 5.51			Radio Tower PS-A2 - AL1 to SA-RT JM5- AL1 to SA-RT JM5- AL2	13
1055-8-AL1	-	6.31			D GATRI SHO ALZ	141
			ATC Ste E JMB - ALT b ATC Sie D JMD - ALT	872	Radio Tower ATC-E-JING - At 1 to SA-RT JING - At 1	135
DSWS-A-ALI	B-PS-A2-(A12)	723	BATC SIED JM2-A12	8.53	to SA-RT JM6-A12 Radio Tower PS-A2-Alt2 to SA-RT JM6-A11	128
ID SWS-A - At2 ID SS-B - At1		7.31			to SA-RT JM6- A12	197
DSS-B-ALZ		5.89	ATCSER			
		-			Stand Alone Radio Tower JM7 Is RT ATC-E-JM3 - At2	262
		-		-	6 RT PS-A2- At1 6 RT ATC-E-JMB- At1 6 RT PS-A2- At1	2 9 2 8 173
			ATC Ste D JM - Alt1 to ATC Ste E JMB - At1	21	Radio Tower ATC-D-JM - At 1 o SA-RT JM7	173
			to ATC SILE E JAG - A12 ATC S & D JM - A12	1	Radio Tower ATC-D-JM - Alt 2 o SA-RT JM7	-
_	8-65-8 (At 1)	-	to ATC Site E JMB-A11 to ATC Site E JMB-A13	50	o SA+RTJM7 Radio Tower-SS+B - At 1	2.1
Caltrain TPSS 2 to SWS-A - At 1		28.81			to RT ATC-D-JM - At1 to RT ATC-D-JM - At2	208
BWS-A-At2 BPS-A2-At1		12.92 5.31				
0 PS-A2-A12 10 PS-A3	B-88-8 (At 2)	5.61		-	Radio Tower SE-6 - At 2	
Caltrain TPSS 2 o SWS-A - At 1		29.09	-		to RT ATC-D-JM - At1 to RT ATC-D-JM - At2	237
o PS-A2-At1		13.20		-		
DPS-A2-A12 DPS-A3		5.89	PTC in enocking			
			ATC Stell ATC SteA			
			ATC S to B PTC in enocking			
10			ATC Stell			
			ATC Ste B ATC Ste A JM 5		Radio Tower ATC-A-JM5	
					ID RT SS-B-At1 ID RT SS-B-At2	29 265
			ATC Ste B ATC Ste B ATC Ste B			
			ATC SIE A JM 5		Radio Tower ATC-A-JM6 to RT ATC-A-JM5	188
	B-PS-A3	-	ATC 8 to B		Radio Tower PS-A3	
0.858-At1		6.3 6.06	ATC S to B		ID RT ATC-A-JM6	153
					Stand Alone Radio Tower JMB to RT PS-A3	109
	-		ATC 8 to 8 End of JM Alt		· · · · · · · · · · · · · · · · · · ·	
	Statio	n Equation (	CPLK GLRY POE 1938 24 66 (66): Beginning of JMAL1	- 1887 11 98		
_			ATC SteD JM A-Att		Radio Tower ATC-D-JM A - At 1 o SA-RT JMB	268
-			ATC Sie D.JM A-Alt2	10-2-10	Radio Tower ATC-D-JM A - At 2 o SA-RT JM8	27
Station Equation			e to Casa de Fruta - Downlown Giroy D POE 2180 00 00 = CASA PACH I		VIAD POB 2188 08 08	

## ALTERNATIVE 4 (CONTINUED)

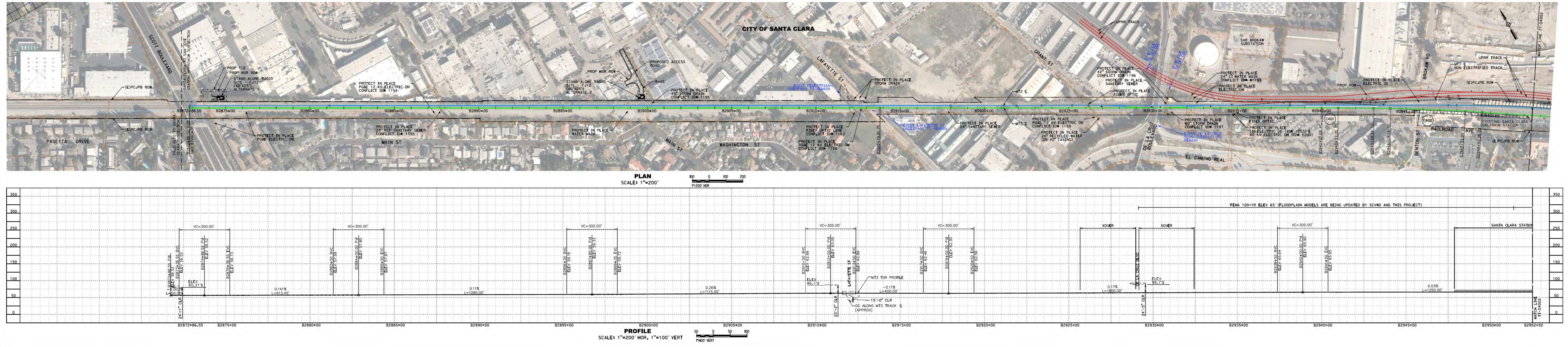
			At-Grada 8	landed, CP Coast to Gilroy MOWF			
Station (SB RK)	rasilion Power Fasility ( PF)	PF ID	Dist to Prey PF (mil)	Automat e rain Control 8 tec	Dist to Prev A C D (mil)	Communitations Radio ower	Dist to Prov (mi)
2160 00		Beginni	ng of Casa d	Fruta - Downtown G troy - Vladuct to	Pacheco Past	s (JM)	
2186 10	Paraleting Station B1-At1	B-PS-LOV (ALT)			-	Radio Tower PS-B1 - At 1	-
	10 83 8 - At 1		11.63			ID RT ATC-D-JM A - A21	152
1	bSSB-At2	the second	11.35		-	ID RT ATC-D-JM A - At 2	1.6
2186 10	Paraleing Staton B1-At2	B-PS-LOV (A12)				Radio Tower PS-B1 - Alt 2	
	10 SS 8 - Al 1	1	11.63		1	ID RT ATC-D-JM A - At 1	152
-	bSSB-At2		11.35			ID RT ATC-D-JM A - AL2	1.6
2250 00		-				Radio Tower @ T1 W. Portal	-
100		1	P		-	ID RTPS-B1-At1	121
			+			ID RT PS-B1- At 2	121
2255 61			WE	ESTPORTAL HEADWALL-TUNNE	1		-
1			-	TUNNEL 1			
2338 57	and the second	-	E/	AST PORTAL HEADWALL - TUNNED	11	and a strength of the strength	-
23 5 00	Paraleing Station B2 (@ T1 E. Portal)	B-PS-CAS (At 1)	1			Radio Tower @ Ti E. Por al	
-	IDPS B1-AL1		3.81			6 RT PS-81- At 1	301
	toPSB1-At2	1	3.01	-		b RTPS-B1-At2	3.01
- H. 1			6 21	A to be a second second		to RT @T1 W. Pontal	1.80
2387 89				rula - Down own Gilroy - Vladuct to P			
	Station	Equation CASA PA		GLRY POE 2387 88 86 = PACH HI		6 3144 58 67	
31 60			Beginning o	Pacheco Pass - High o Henry Mile	r Road (JM)		-
3279 00			1.1.1.1	a mention of the second s		Stand A one Radio Tower JMS	
-	A REAL PROPERTY AND A REAL	And the second s	10 million (10			to RT @ TI E. Portal	336
3279 1	Switching Station B - At 1	B-SWS-HAC (ALT)				Radio Tower SWS-B - At 1	
-	ID SSB-At 1	1	18.00			lo RT @ T1 E. Portal	3.35
1-0-01	10 SS B - At 2		17,72	-			
-	10 P3 82		3.36	F			
3320 00	Switching Station B (@ T2 W. Portal) - At 2	B-SWSHAC (AL2)	1.00	ATC Site D JM5 @ T2 W. Portal		Radio Tower SWS-B ~Alt2	
-	to SS B - At 1		18.78	to ATC Site D .M AK		ID SA-RT JM9	0.78
	10 85 B - Alt 2		18. 9	to ATC Site D JM - Atc	8.61	lo RTSWS-B - Alt 1	0.77
-	to PS 82		.13				
332 (5			WE	ESTPORTAL HEADWALL-TUNNE	12		
3596 00	Paraleing Staton B3	8+SPTI	Sec. 1		-	·	_
-	to SWS B - All 1		6.00				
8.1	ID SW88-At 2	-	5.23			-	
					-	-	-
37 6 00			1	ATC Site D JM6	-		
-		1.1	2	DATC SIED JM	8.07	-	
× .		1				1	
3960 00	Paraleting Station B	B-PS-PT2		-	-		-
	to SWSB-At 1		5.00	-	-		-
0 2 50		-	E/	ST PORTAL HEADWALL - TUNNED	2	in the second	-
038 00						Radio Tower @ T2 E. Por at	-
-			A		-	to RT SWS-B - At 2	13:60
183 36				ATC SIZE D .MT	-	Radio Tower ATC-D-JM7	-
		100000	1	ID ATC SIE D JME	8.28	to RT @ T3 E. Portal	275
183 83	Substation Station C	B-SS-MCB	-		-	Radio Tower SS-C	-
	ID SSB-AL1	-	35.1			to RT @ T3 E. Portal	276
	to \$5.8 - At 2		3.86		-		
-	to SWS B - At 1	-	17.13		-		-
	to SWS B-At 2	-	16.36			-	-
-	to PS 6		5.13		-		-
292 00					-	Stand A one Radio Tower JM10	
-					-	to RT SS-C	2.05
	Paraleing Staton C1EAt1	B-PS-FHY (AL1)	-		-	Radio Tower PS-C1-At1	
	10 58 C-At 1	1	.07			to SA-RT JM10	2.02
-			1		-		-
	Paraleing Staton C1 - A12	B-PS-FHY (Alt2)	1			Radio Tower PS-C1-A12	-
	to SS C - Alt 1	1.000	2	1.7.		to SA-RT JM10	238
26 18				acheco Pass - High to Henry Miller R			

## **ALTERNATIVE 4 (CONTINUED)**

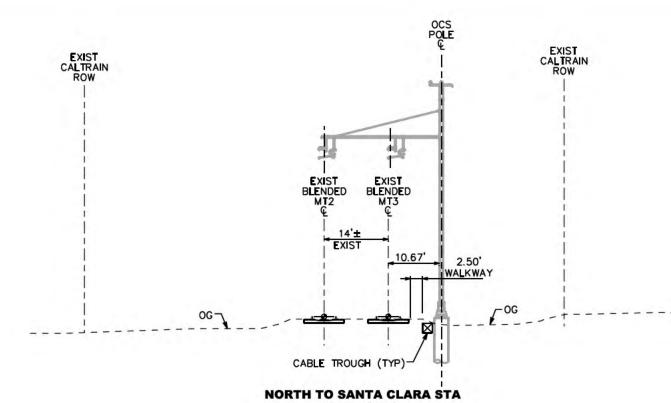




2021 RECORD Set Pepd		CALIFORNIA	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED	HSR15-34
NOVEMBER 30, 2021	HNTB 1111 Broadway 9th Floor Oakland, CA 944		GENERAL Key Map	GE-D0402
NOT FOR CONSTRUCTION		<sup>107</sup> High-Speed Rail Authority	SYSTEMS SITES	AS SHOWN
				1776-177 million



920+00	B2925+00	B2930+00	B2935+00	B2940+00	B2945+00	B2950+
		, <b>4</b>				
		3				
	0.17% L=1800.0	œ			L=1250.00'	
	0.17%				0.03% L=1250.00	
		A CR				
		8	2938+ FIFV-6	B2941++		
		8	50 By 64-9	00+00 200 EV		
				00 b 9230		
				<u>No</u> 06		
	XOVER	XOVER		VC=300.00'		SA
			FEMA 100-YR ELEV 65' (F	FLOODPLAIN MODELS ARE BEING UPDATED BY SC	CVWD AND THIS PROJECT)	
· · · · · · · · · · · · · · · · · · ·		***************************************				



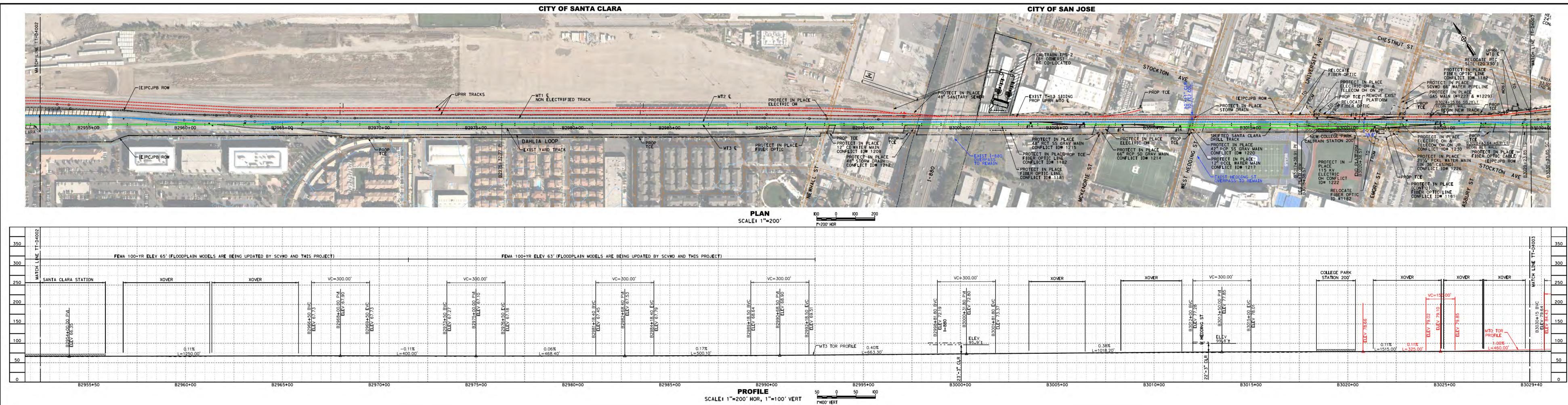
SCALE 1"-20' "MT3" 2873+00 TO "MT3" 2935+00

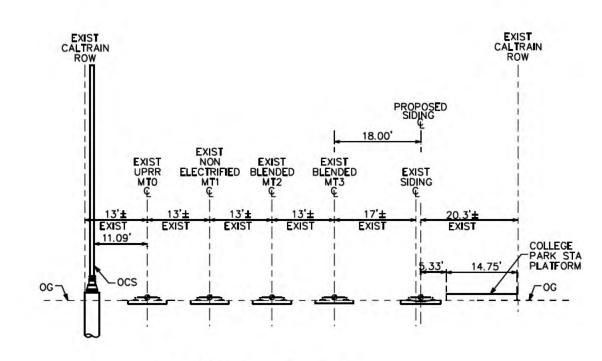
### NOTES

- 1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.
- 2. FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT
- OCS POLES WILL BE INSTALLED TO MICHAEL YAR AS PART OF THE PCJPB ELECTRIFICATION PROJE AND IS ASSUMED TO BE AN EXISTING CONDITION. WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE
- EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
- WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
- 6. ALL TRACK PROFILES MATCH THE MAINLINE PROFILE, EXCEPT WHERE OTHERWISE SHOWN.
- TRACK PROFILE FOR EXISTING ALIGNMENT MATHEMATIZED TO SHOW COMPATIBILITY WI SPECIAL TRACKWORK. THE LIMITS OF THE EXISITNG TRACK PROFILES ARE SHOWN IN NOTE 8. THE REMAINING TRACK PROFILE SEGMENTS ARE REGRADED.
- 8. THE LIMITS OF EXISTING TRACK PROFILES INCLUDE: MTO B2936+08 TO B2952+50 MT1 B2937+46 TO B2952+50 MT2 B2872+81 TO B2952+50 MT3 B2872+86 TO B2952+50



2021 RECORD SET PEPD NOVEMBER 30, 2021	LINGED 1111 Broadway	CALIFORNIA	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH	CONTRACT NO. HSR15-34 DRAWING NO. TT-D4001
NOT FOR CONSTRUCTION	HNTB <sup>1111 Broadway</sup> 9th Floor Oakland, CA 9460	High-Speed Rail Authority		SCALE AS SHOWN SHEET NO.





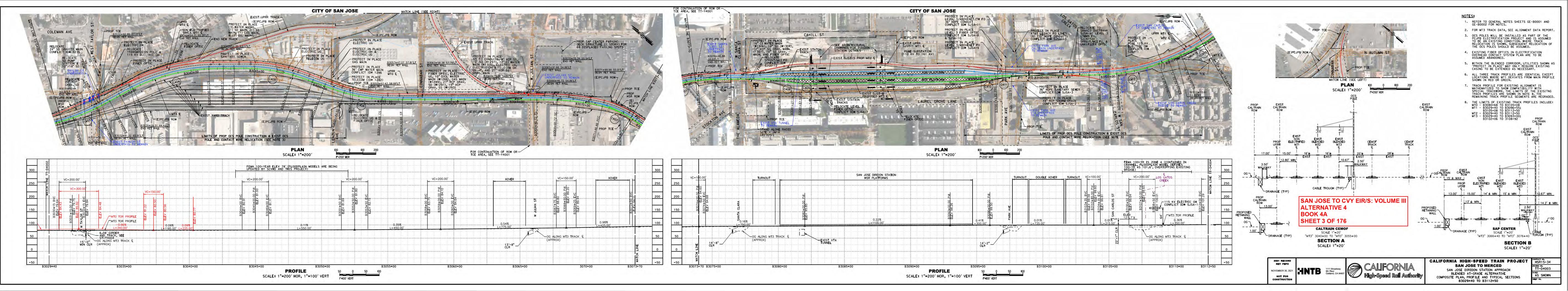
COLLEGE PARK STATION SCALE 1"=20' "MT3" 3018+39 T0 "MT3" 3020+40

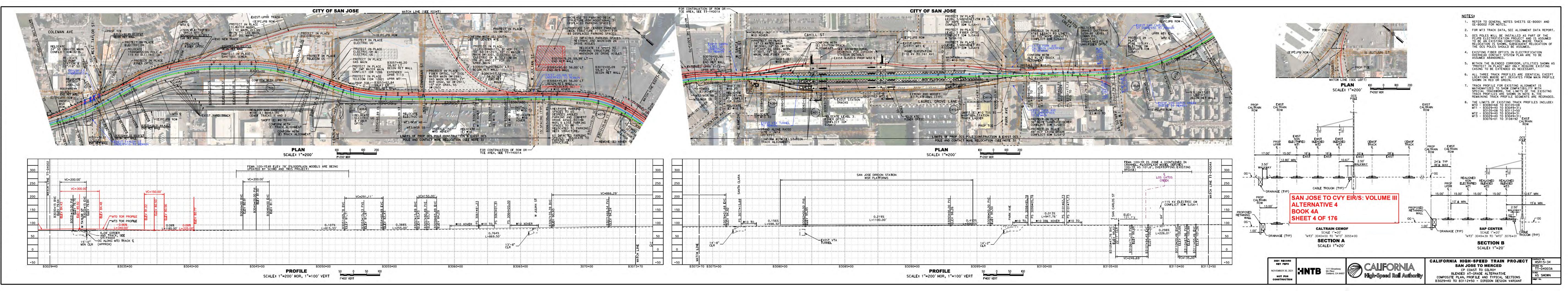
### NOTES

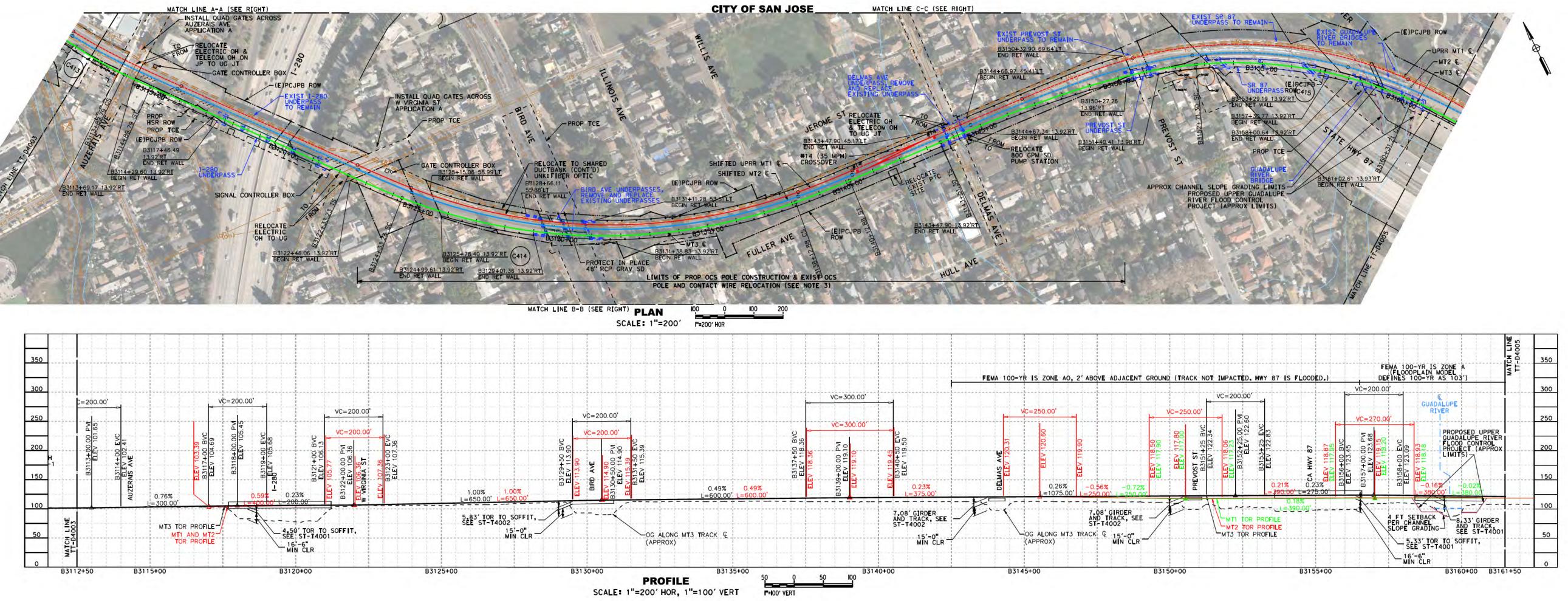
- REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.
- 2. FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT
- OCS POLES WILL BE INSTALLED AS PART OF THE PCJPB ELECTRIFICATION PROJECT AND IS ASSUMED TO BE AN EXISTING CONDITION. WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE ASSUMED.
- EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
- WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
- 6. ALL TRACK PROFILES MATCH THE MAINLINE PROFILE, EXCEPT WHERE OTHERWISE SHOWN.
- TRACK PROFILE FOR EXISTING ALIGNMENT MATHEMATIZED TO SHOW COMPATIBILITY WI ARE SHOWN IN NOTE 8. THE SARE SHOWN IN NOTE 8. THE SEGMENTS ARE REGRADED.
- THE LIMITS OF EXISTING TRACK PROFILES INCLUDE: MTO B2952+50 TO B3020+50 MT1 B2952+50 TO B3029+40 MT2 B2952+50 TO B3029+40 MT3 B2952+50 TO B3029+40

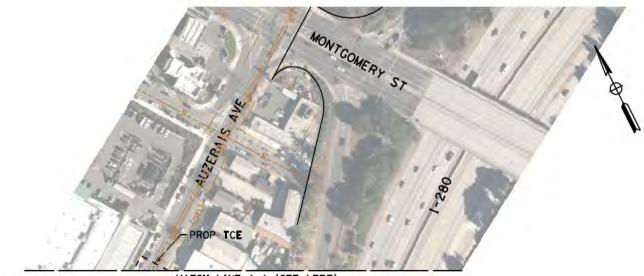


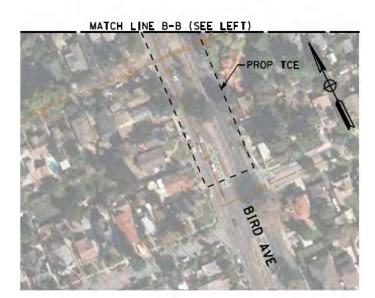
### CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH BLENDED AT-GRADE ALTERNATIVE COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS B2952+50 TO B3029+40 2021 RECORD Set Pepd CALIFORNIA High-Speed Rail Authority NOVEMBER 30, 2021 NOT FOR CONSTRUCTION S SHOWN



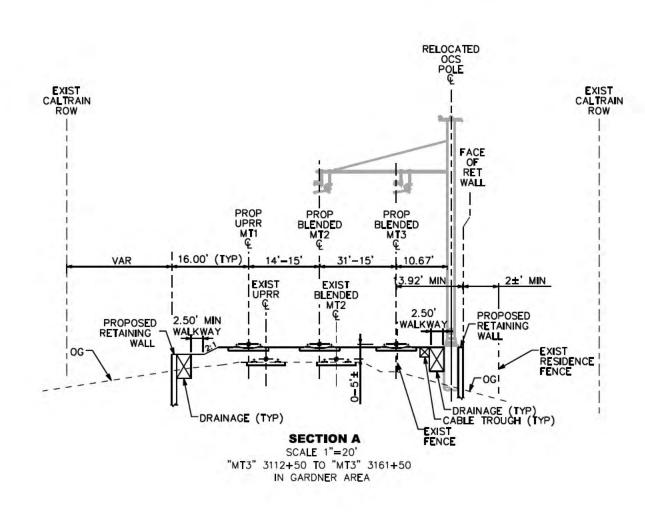








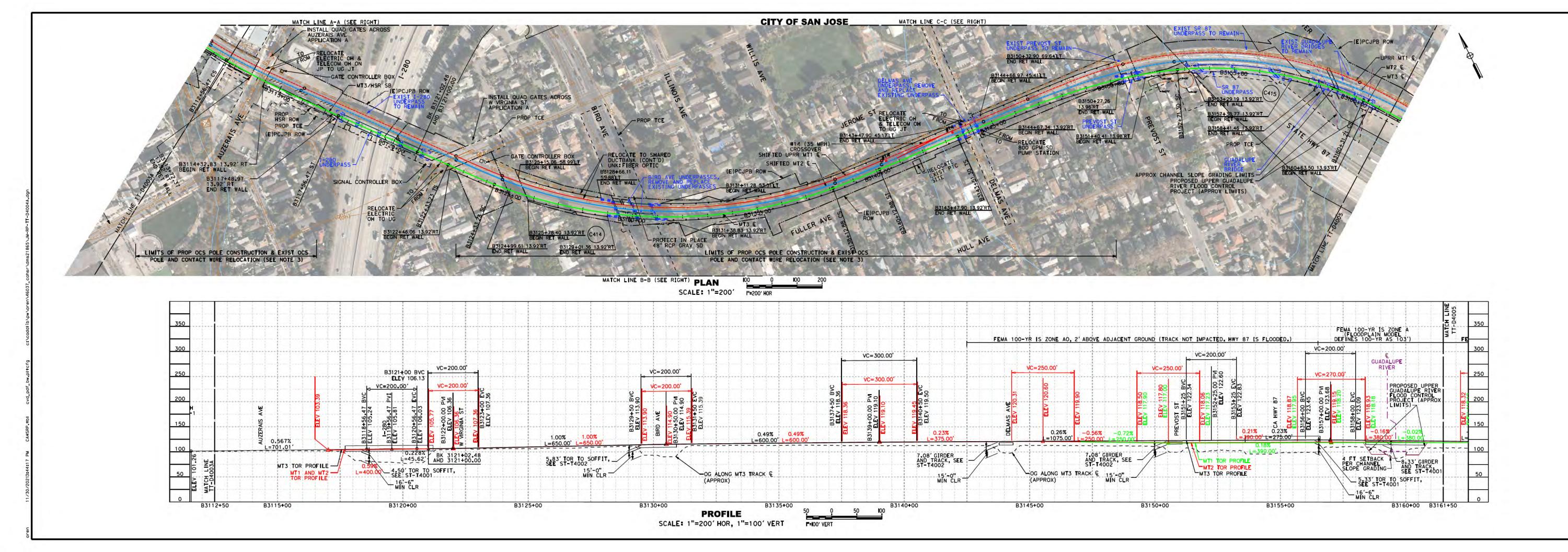


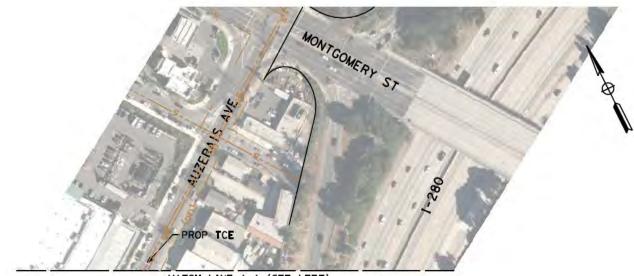


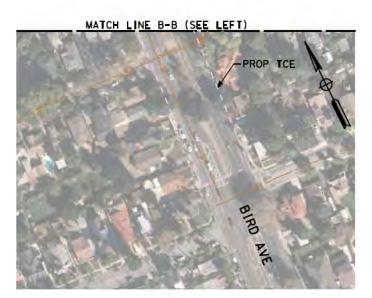
- NOTES: 1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.
- 2. FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPOR
- OCS POLES WILL BE INSTALLED AS PART OF THE PCJPB ELECTRIFICATION PROJECT AND IS ASSUMED TO BE AN EXISTING CONDITION. WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE ASSUMED.
- EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
- WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN A "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
- ALL THREE TRACK PROFILES ARE IDENTICAL EXCEPT LOCATIONS WHERE MT1 DEVIATES FROM MAIN PROFILE SHOWN IN RED OR GREEN.
- TRACK PROFILE FOR EXISTING ALIGNMENT IS MATHEMATIZED TO SHOW COMPATIBILITY WITH SPECIAL TRACKWORK. THE LIMITS OF THE EXISITNG TRACK PROFILES ARE SHOWN IN NOTE 8. THE REMAINING TRACK PROFILE SEGMENTS ARE REGRADED.
- 8. THE LIMITS OF EXISTING TRACK PROFILES INCLUDE: MT1 B3112+50 TO B3121+00; B3151+75 TO B3161+50
  MT2 B3112+50 TO B3121+00; B3151+75 TO B3161+50

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 4 BOOK 4A SHEET 5 OF 176

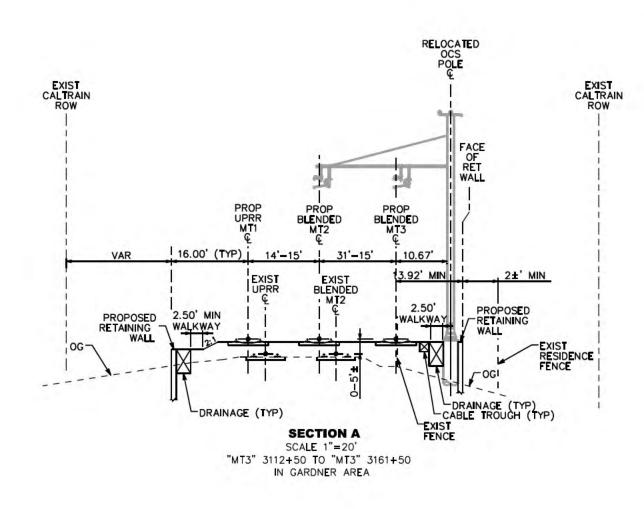
2021 RECORD Set Pepd		0		CALIFORNIA HIGH-SPEED TRAIN PROJECT	HSR15-34
NOVEMBER 30, 2021	1111 Broadway	( )	CALIFORNIA	SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH	TT-D4004
NOT FOR	HNTB 1111 Broadway 9th Floor Oakland, CA 9460		High-Speed Rail Authority		AS SHOWN
CONSTRUCTION		-		B3112+50 TO B3161+50	SHELET NO.







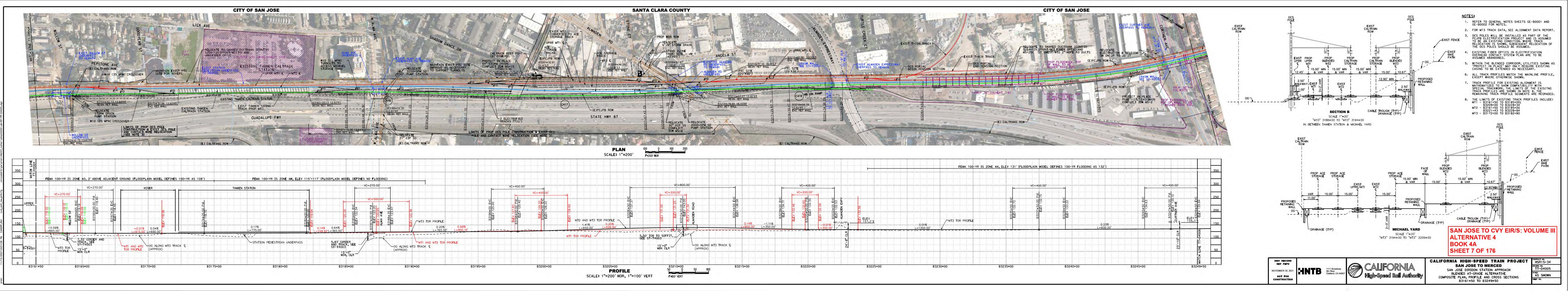


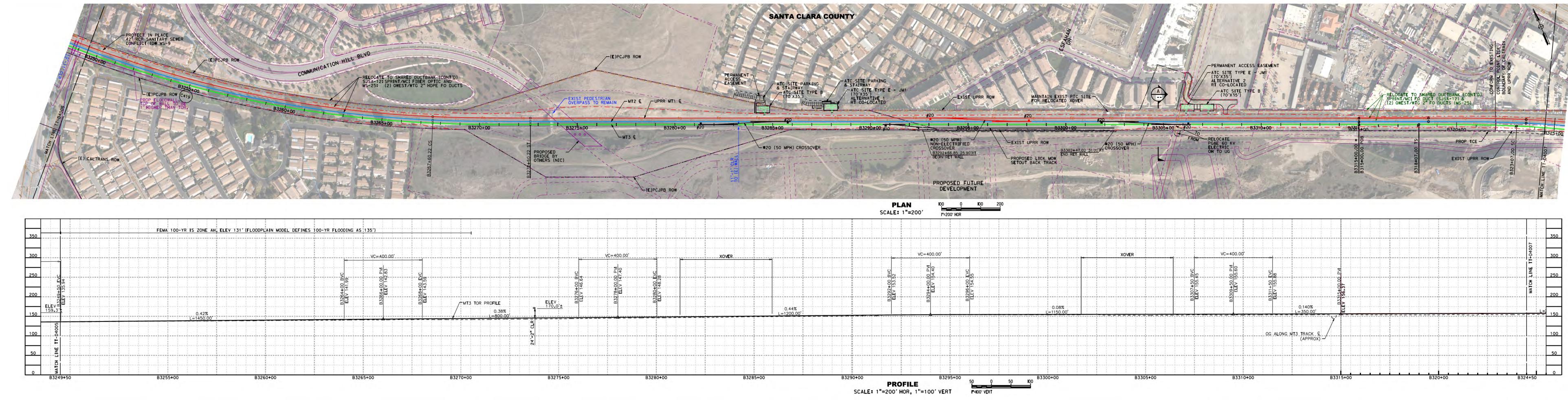


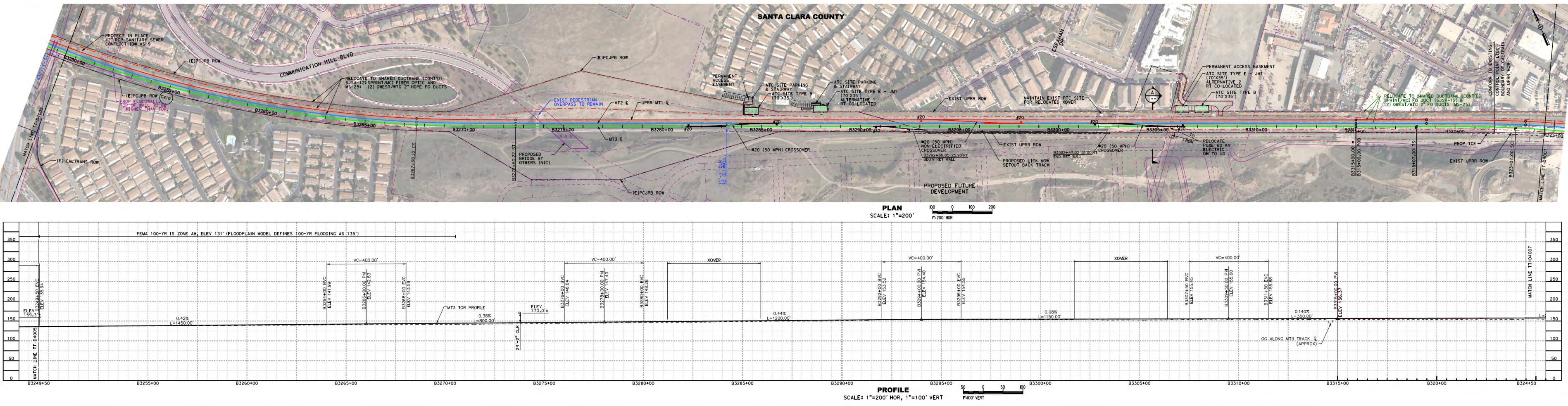
- NOTES: 1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES. TOTAL SEE ALIGNMENT DATA
  - 2. FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT
  - OCS POLES WILL BE INSTALLED AS PART OF THE PCJPB ELECTRIFICATION PROJECT AND IS ASSUMED TO BE AN EXISTING CONDITION. WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE ASSUMED.
  - EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
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  - TRACK PROFILE FOR EXISTING ALIGNMENT IS MATHEMATIZED TO SHOW COMPATIBILITY WITH SPECIAL TRACKWORK. THE LIMITS OF THE EXISITNG TRACK PROFILES ARE SHOWN IN NOTE 8. THE REMAINING TRACK PROFILE SEGMENTS ARE REGRADED.
  - THE LIMITS OF EXISTING TRACK PROFILES INCLUDE: MT1 B3112+50 TO B3121+00; B3151+75 TO B3161+50
    MT2 B3112+50 TO B3121+00; B3151+75 TO B3161+50

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 4 BOOK 4A SHEET 6 OF 176

0	2021 RECORD Set Pepd					CALIFORNIA MIGH-SPEED TRAIN PROJECT	HSR15-34
	NOVEMBER 30, 2021	UNTR	1111 Broadway 9th Floor Oakland, CA 94607	( )	CALIFORNIA	SAN JOSE TO MERCED CP COAST TO GILROY	TT-D4004A
	NOT FOR	ANID	Oakland, CA 94607		High-Speed Rail Authority	BLENDED AT-GRADE ALTERNATIVE COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	AS SHOWN
	CONSTRUCTION					B3112+50 TO B3161+50 - DIRIDON DESIGN VARIANT	SHEET NO.

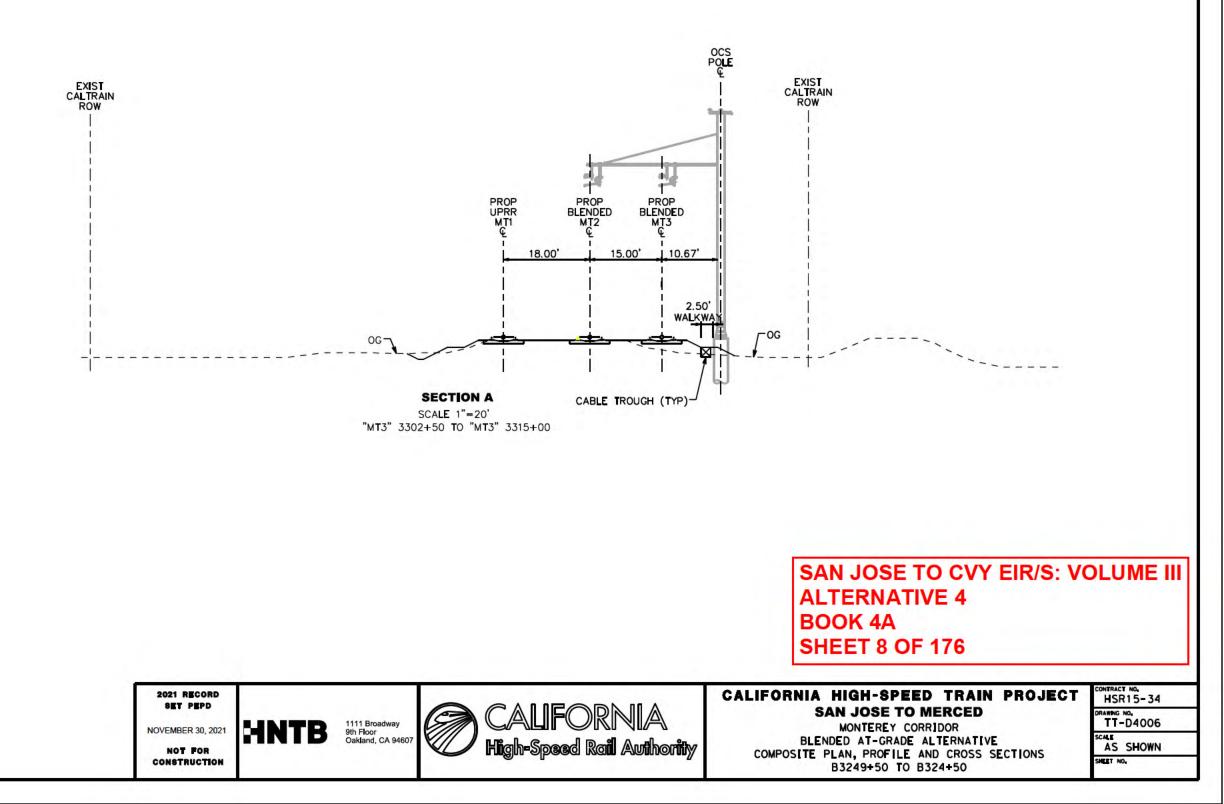


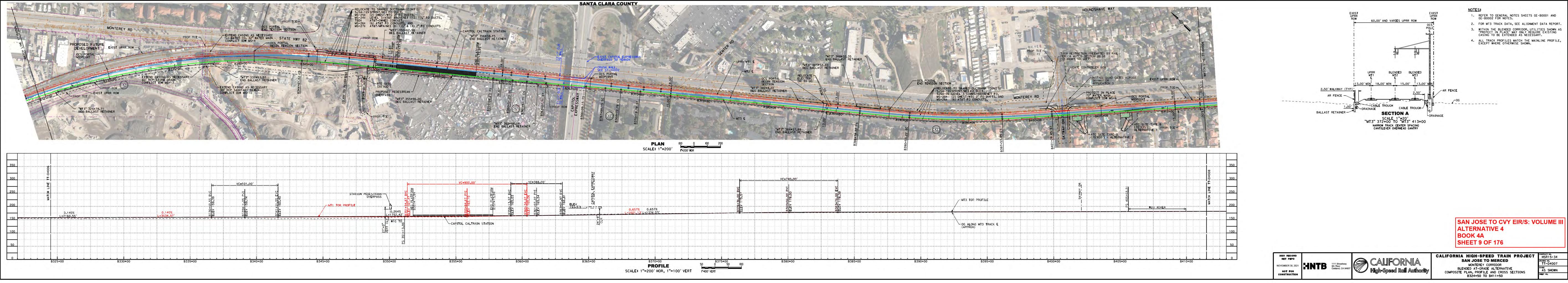


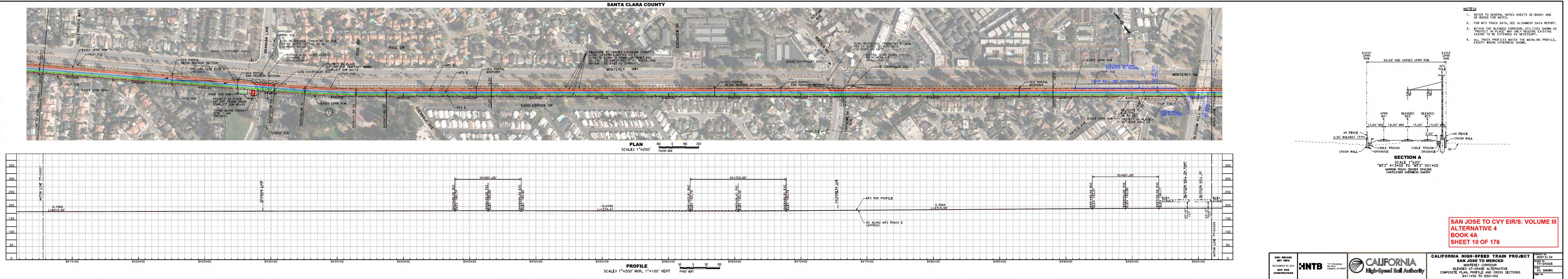


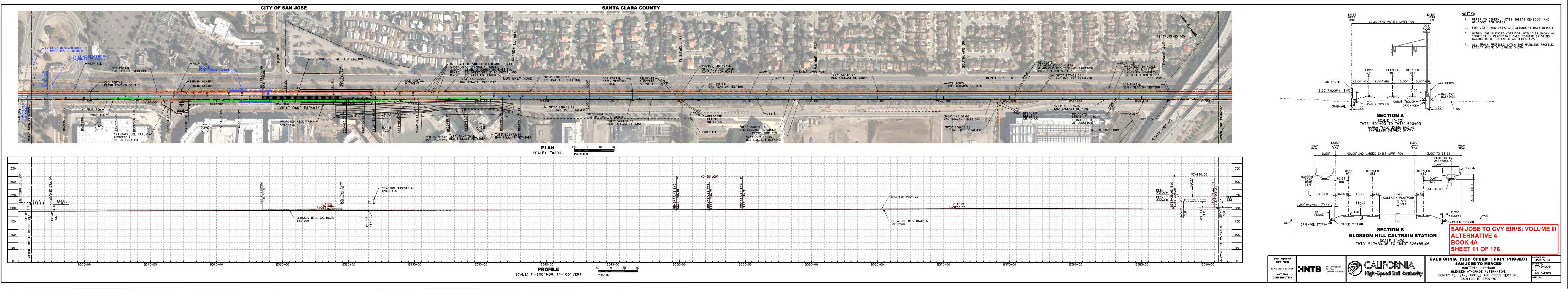
### NOTES

- REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.
- 2. FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT
- WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
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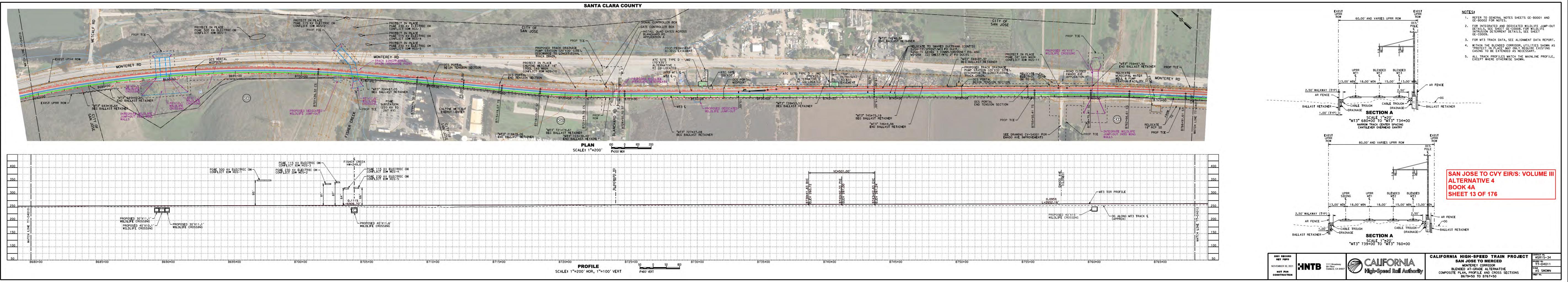


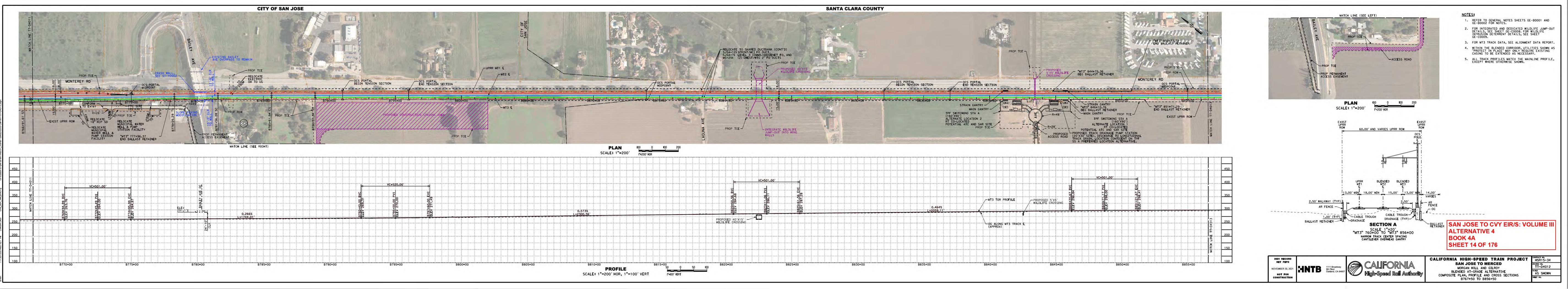


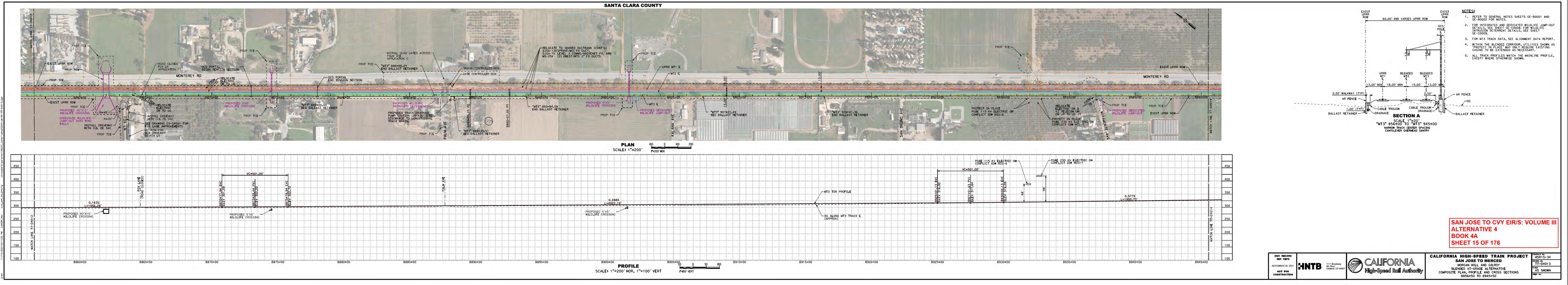


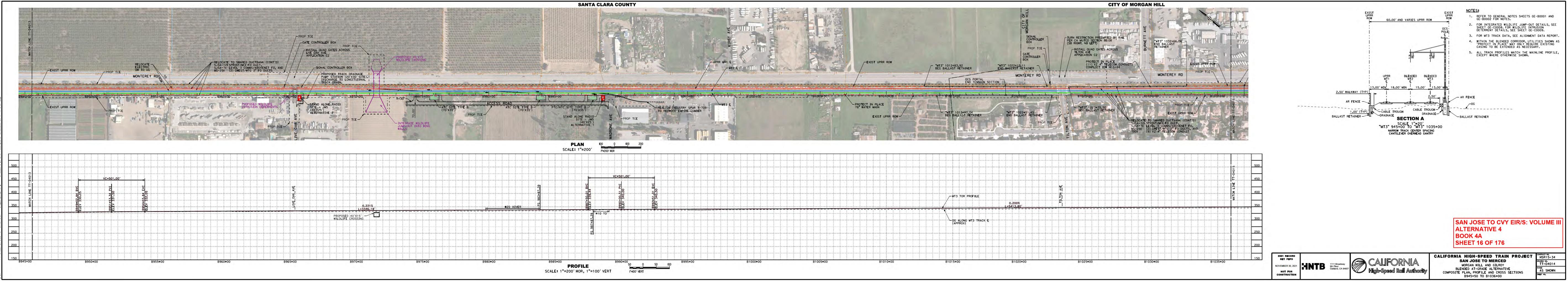


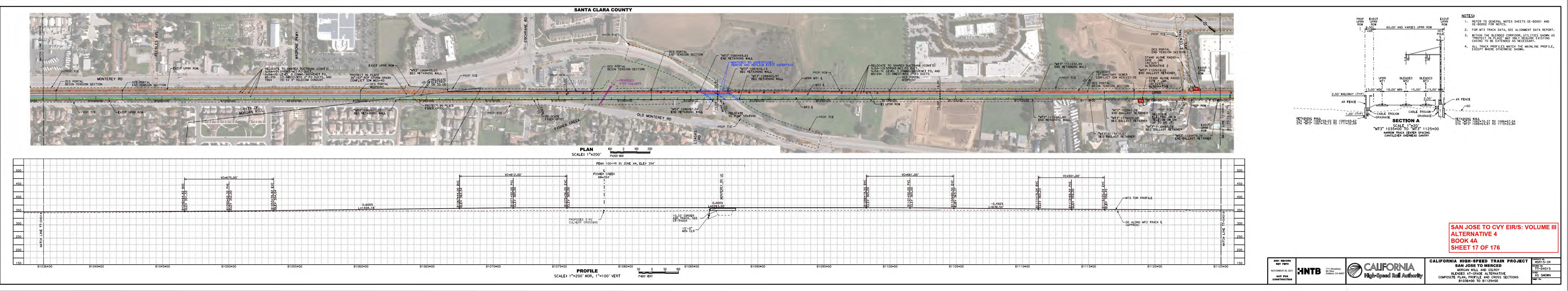


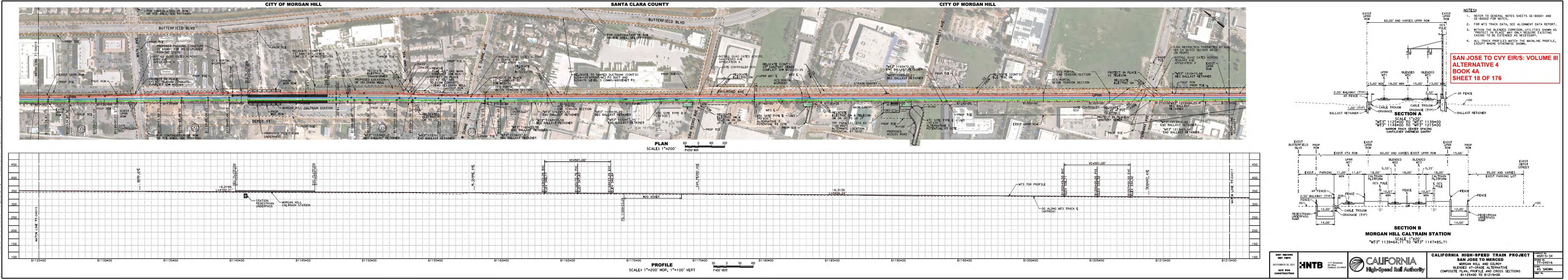


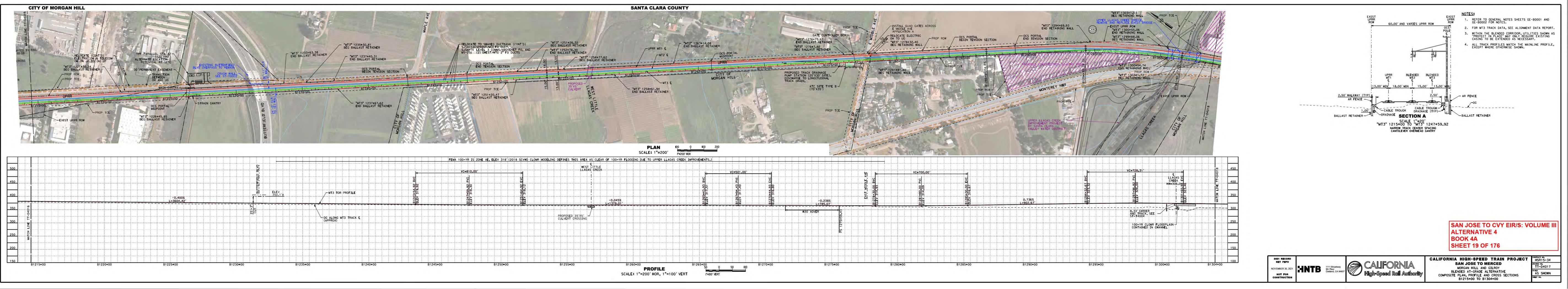


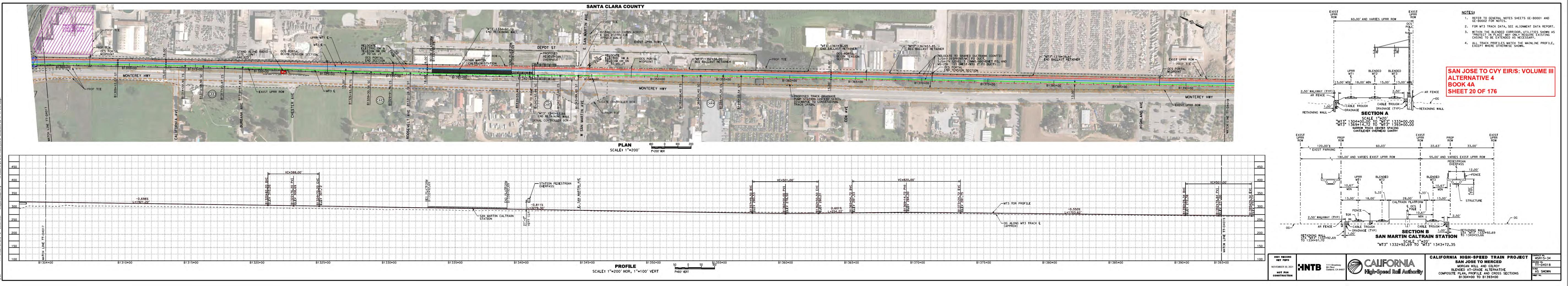


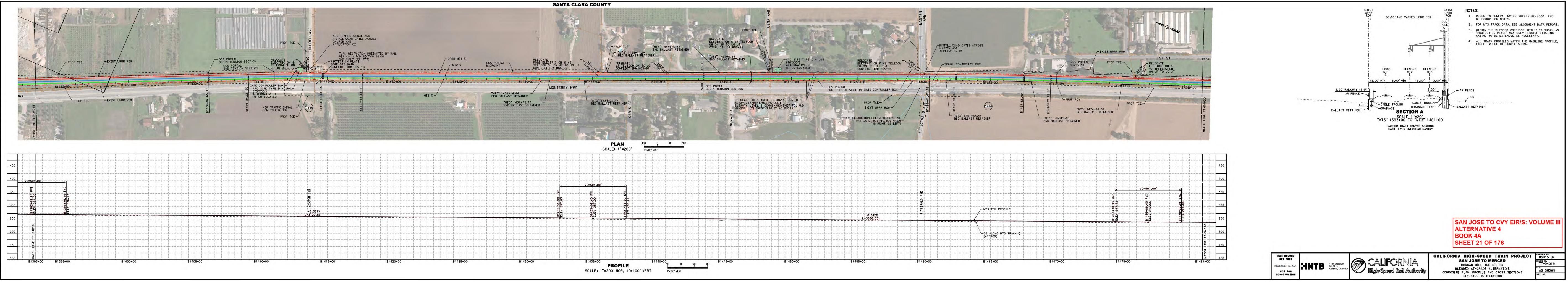


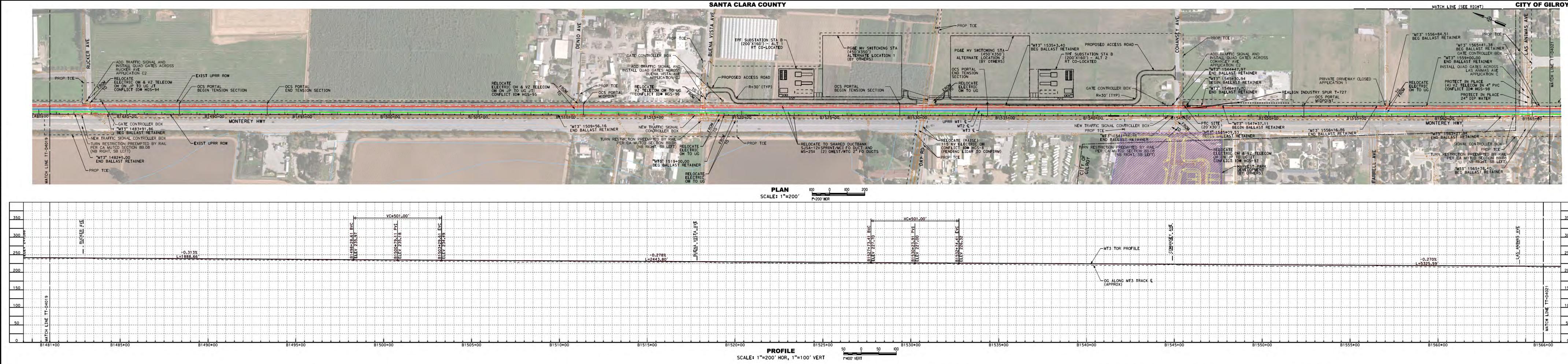




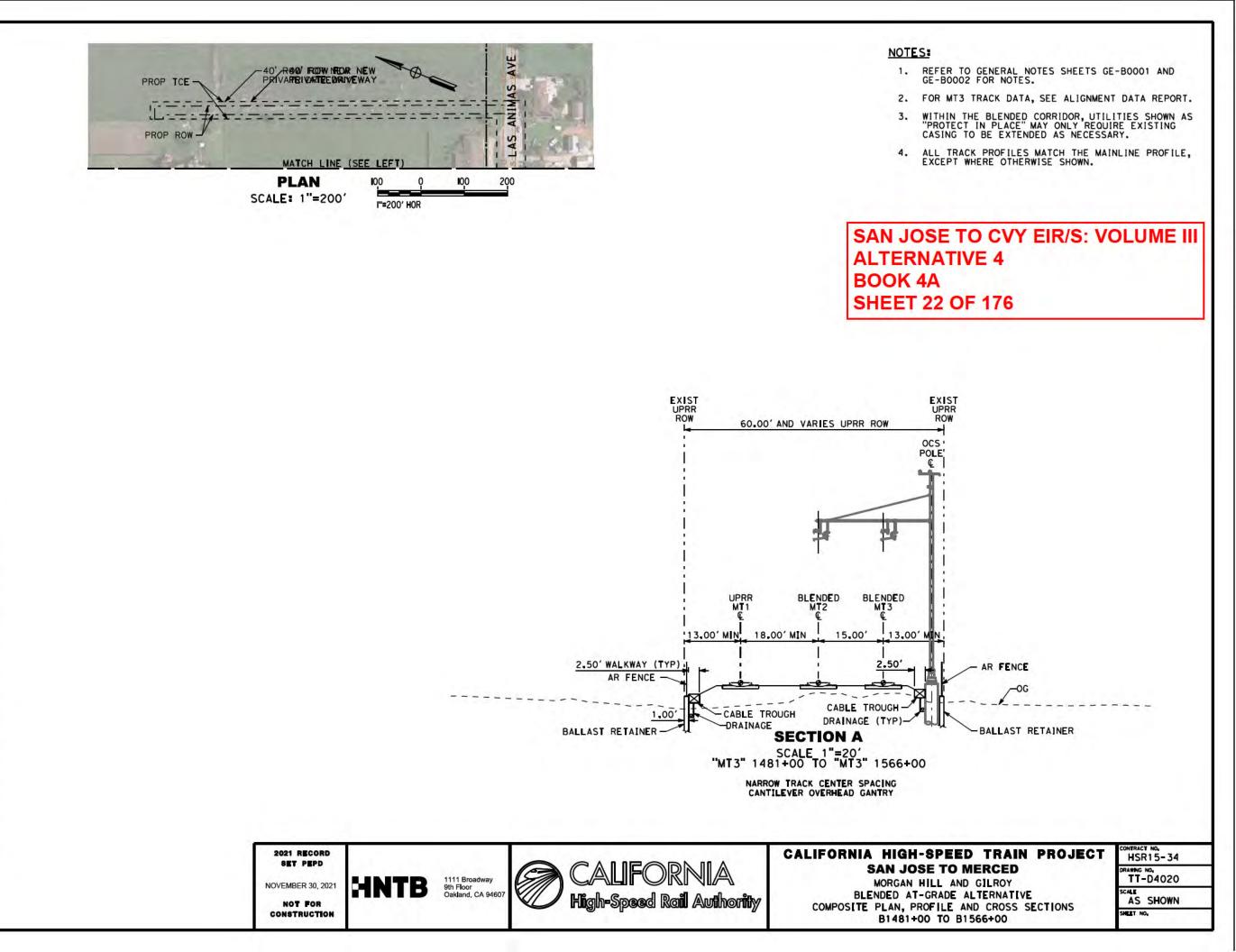


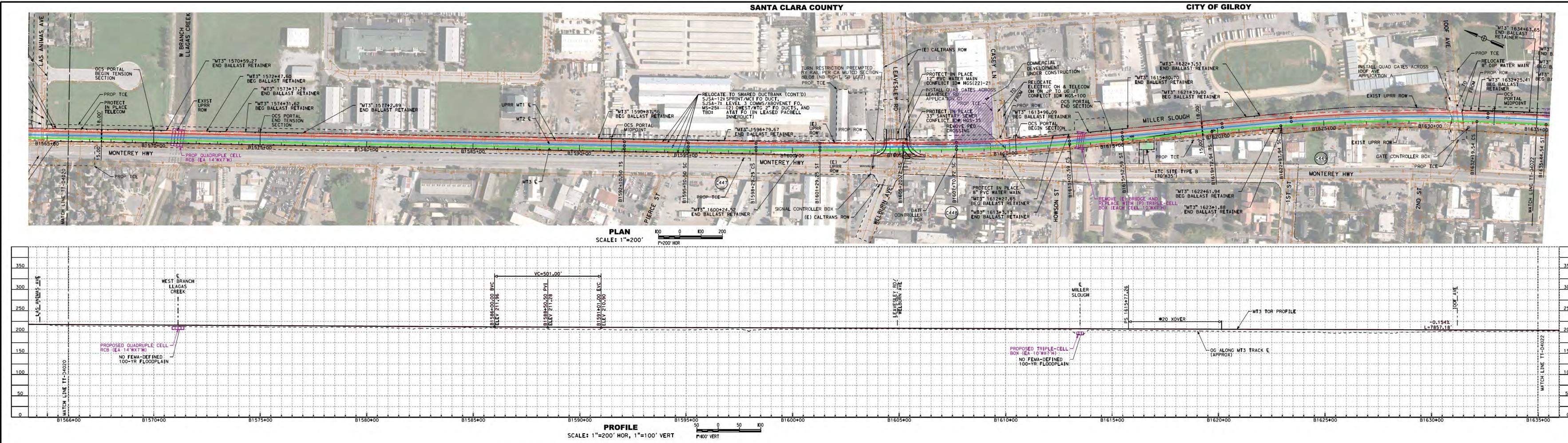


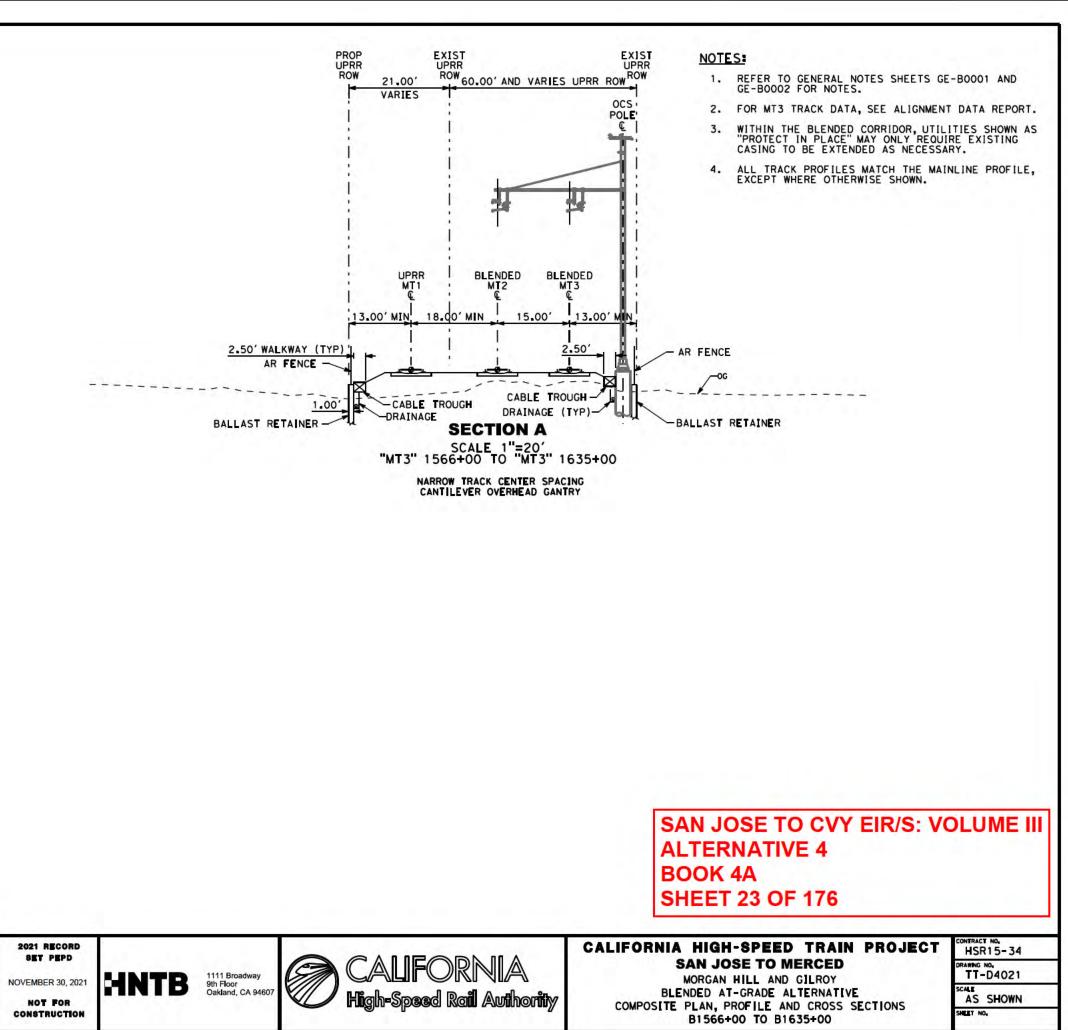






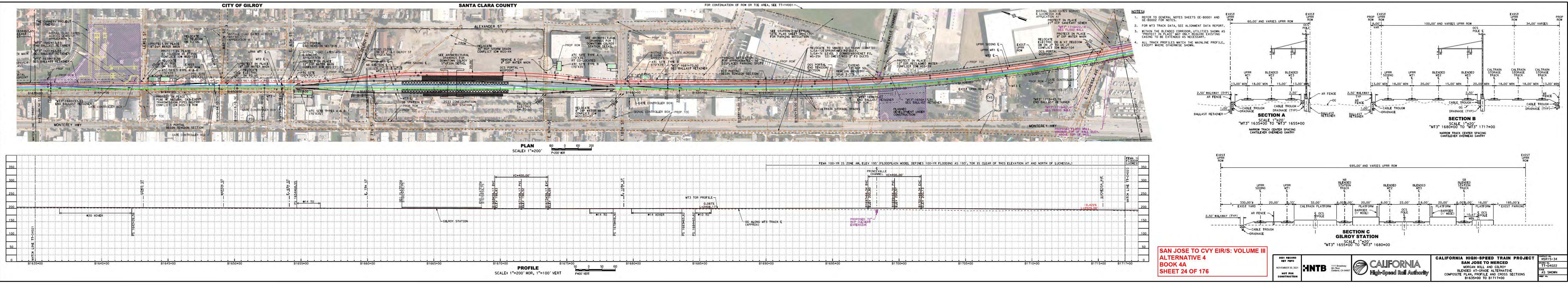


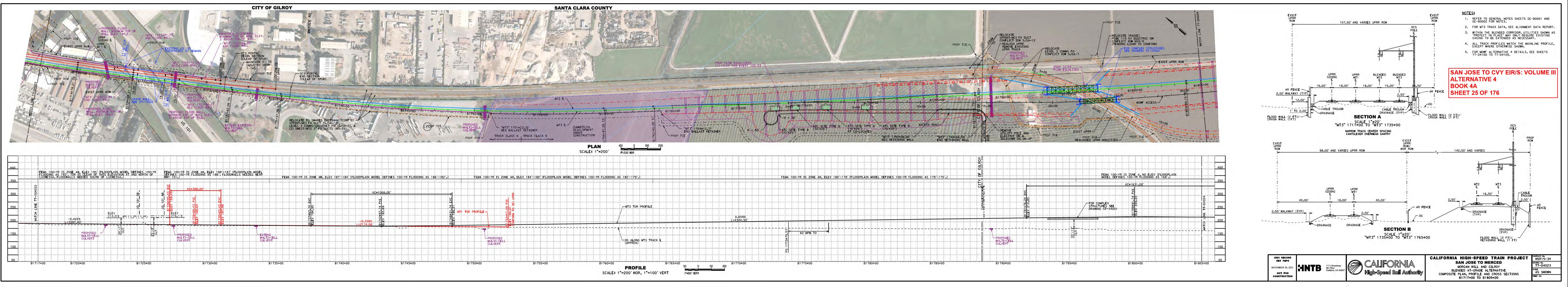


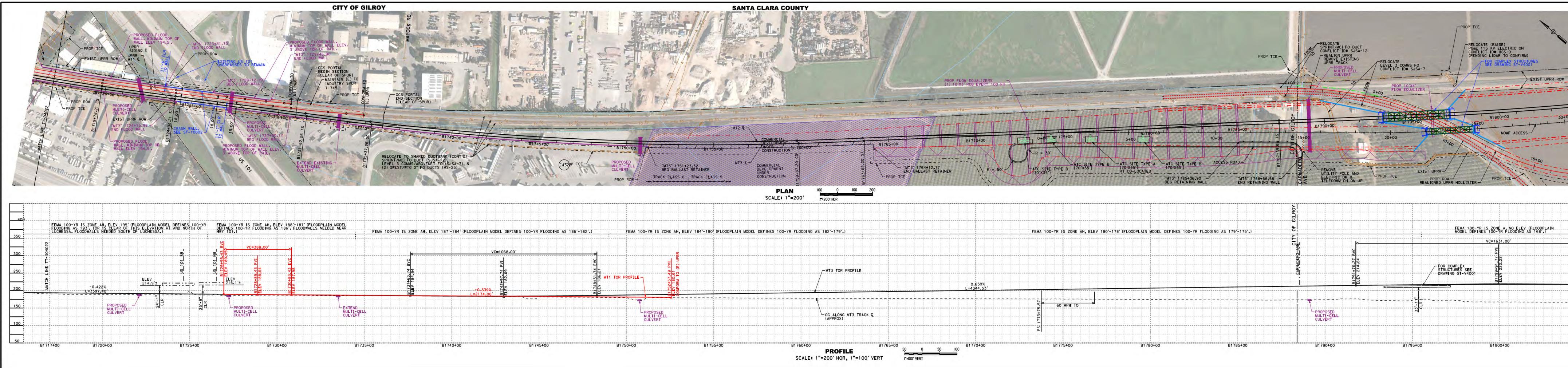


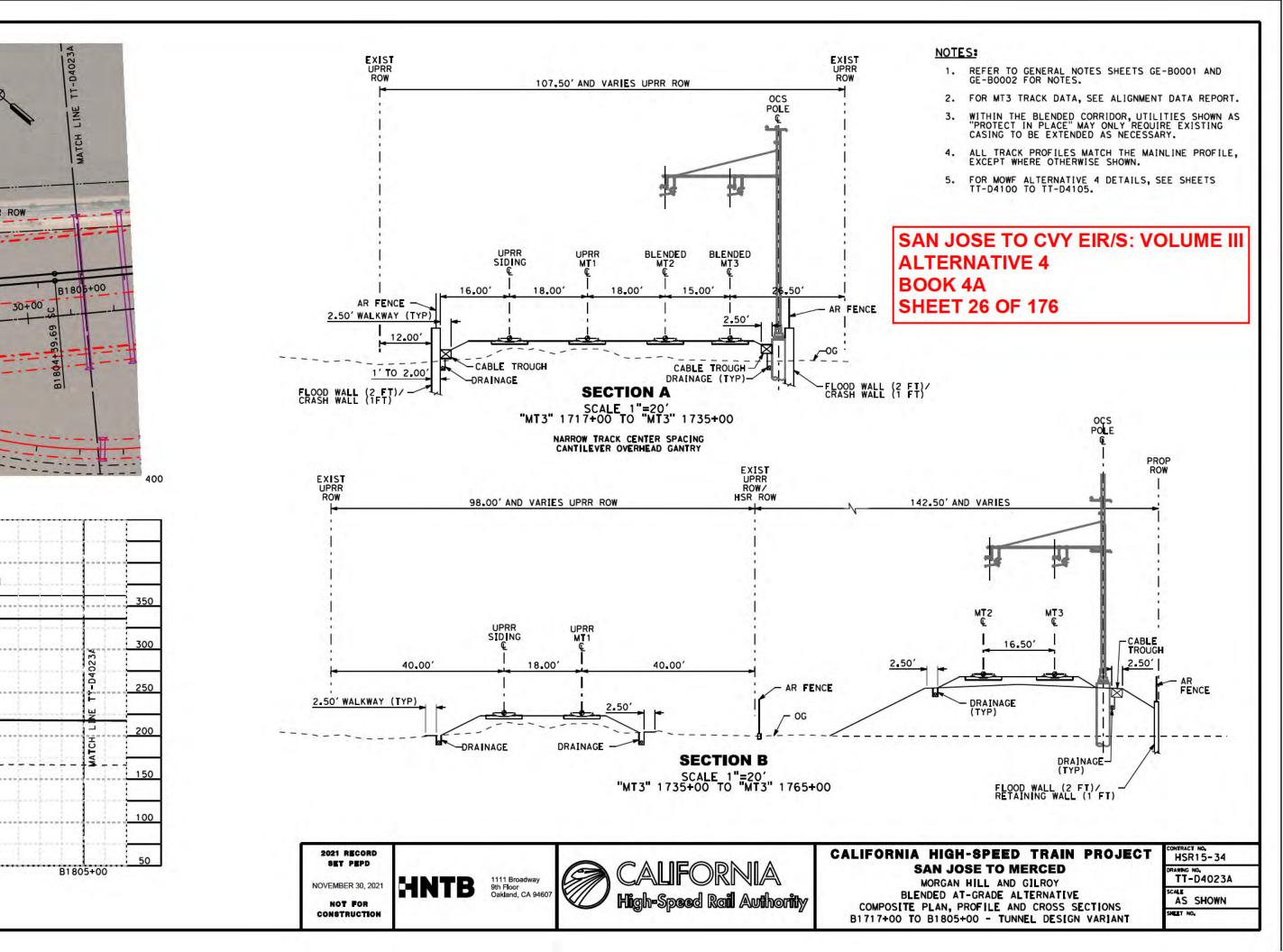
NOVEMBER 30, 2021 NOT FOR CONSTRUCTION

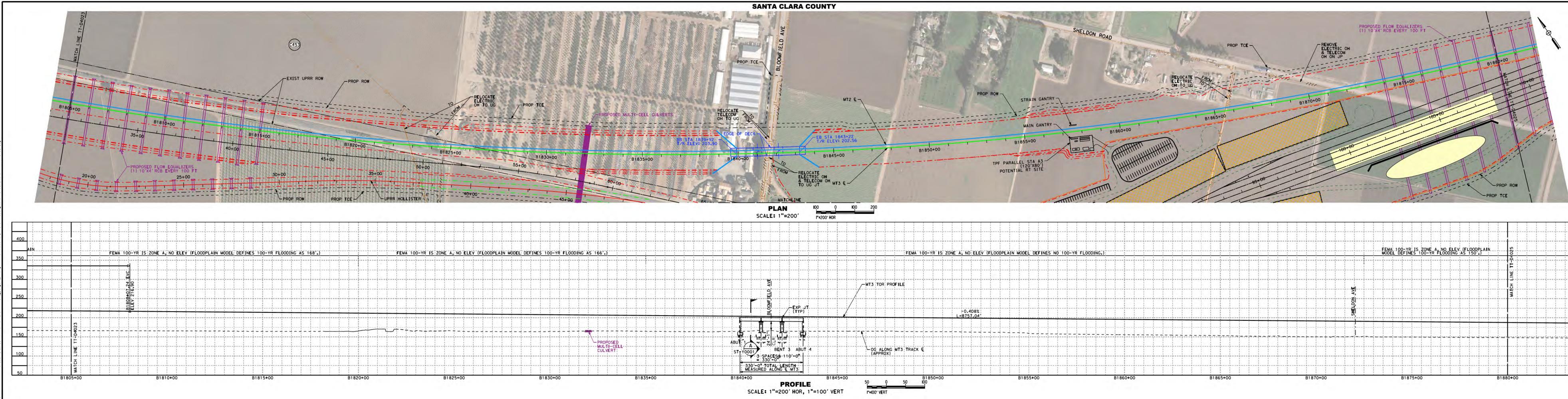
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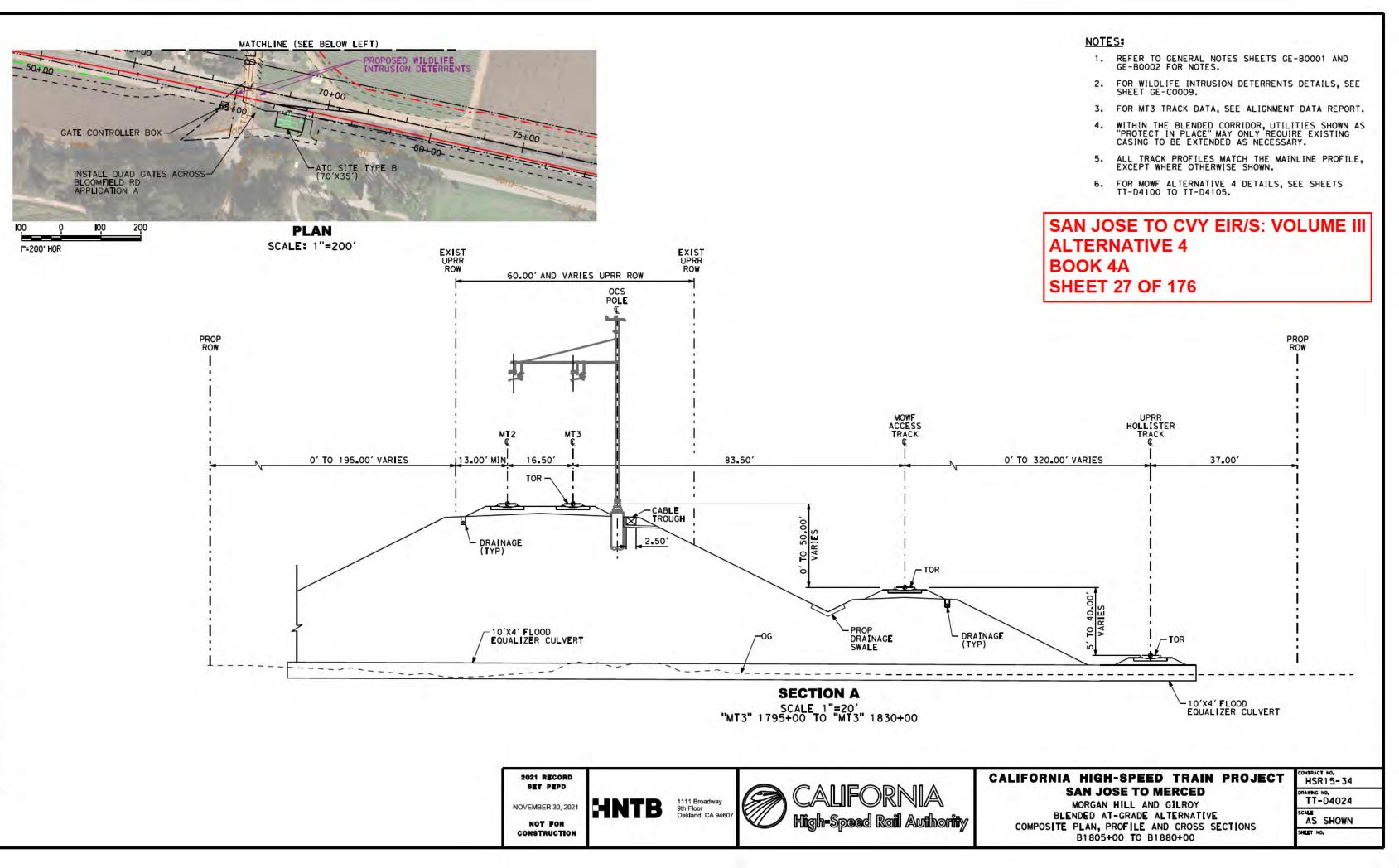




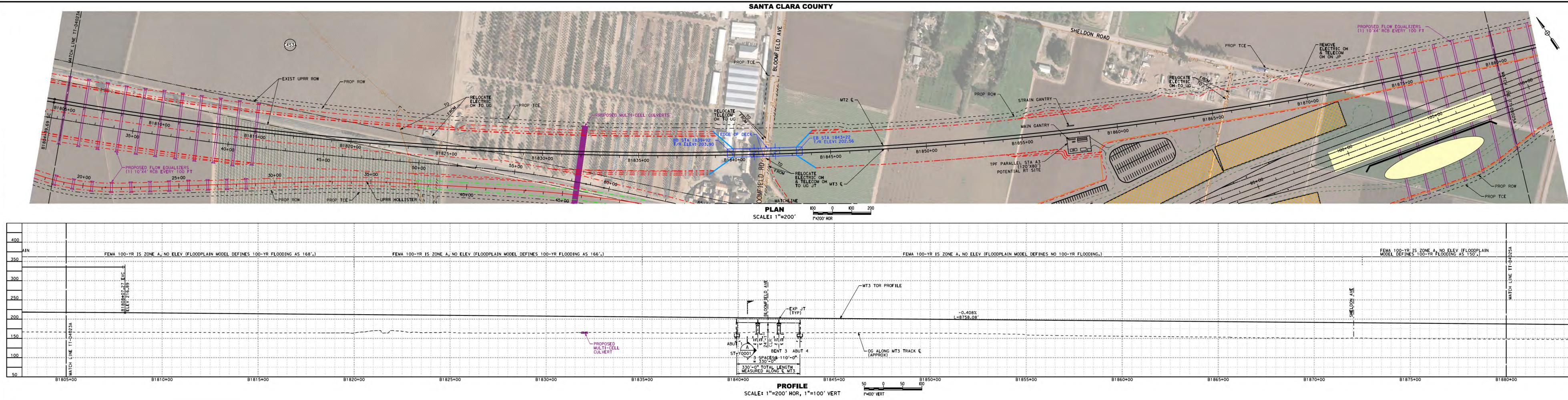


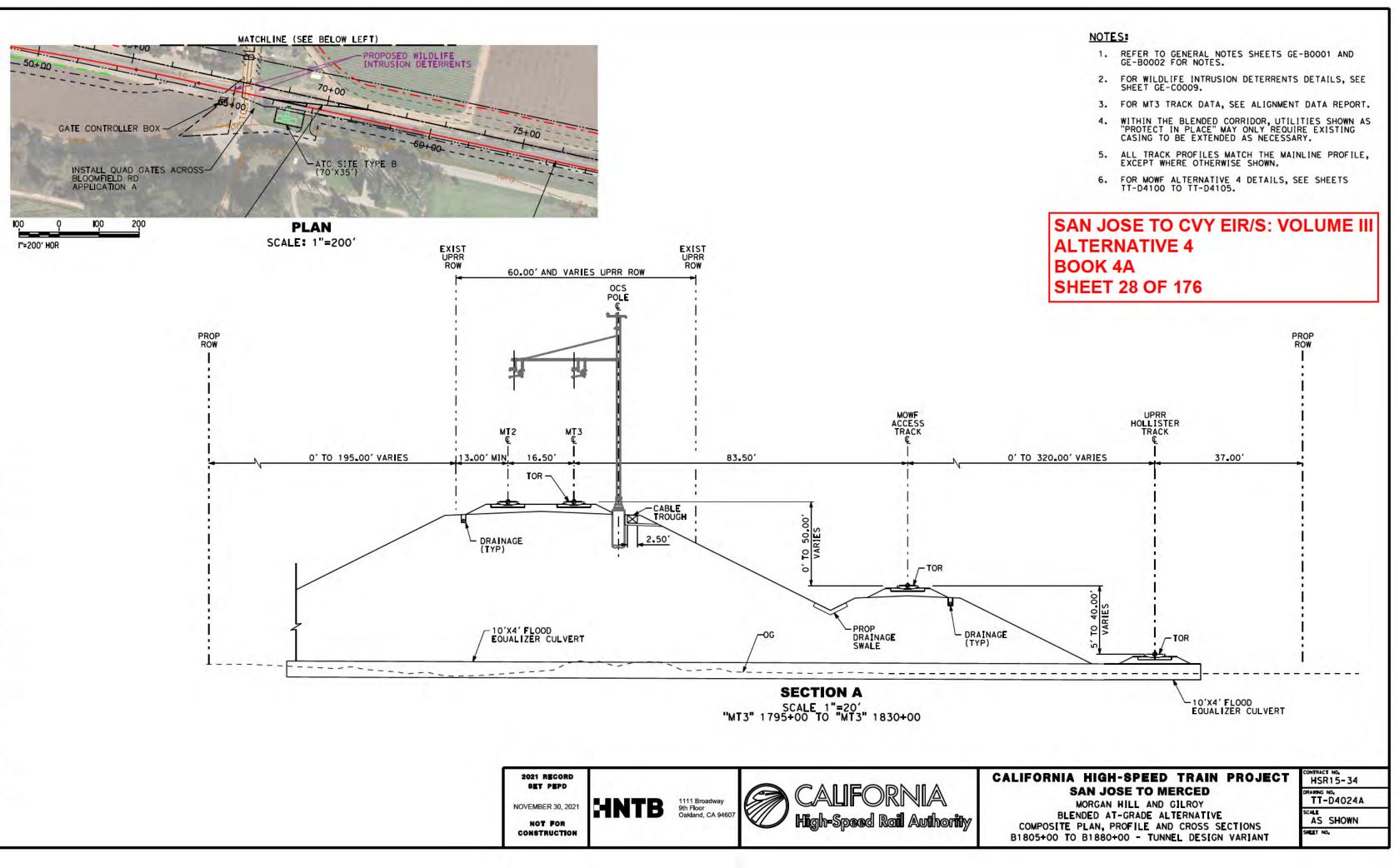




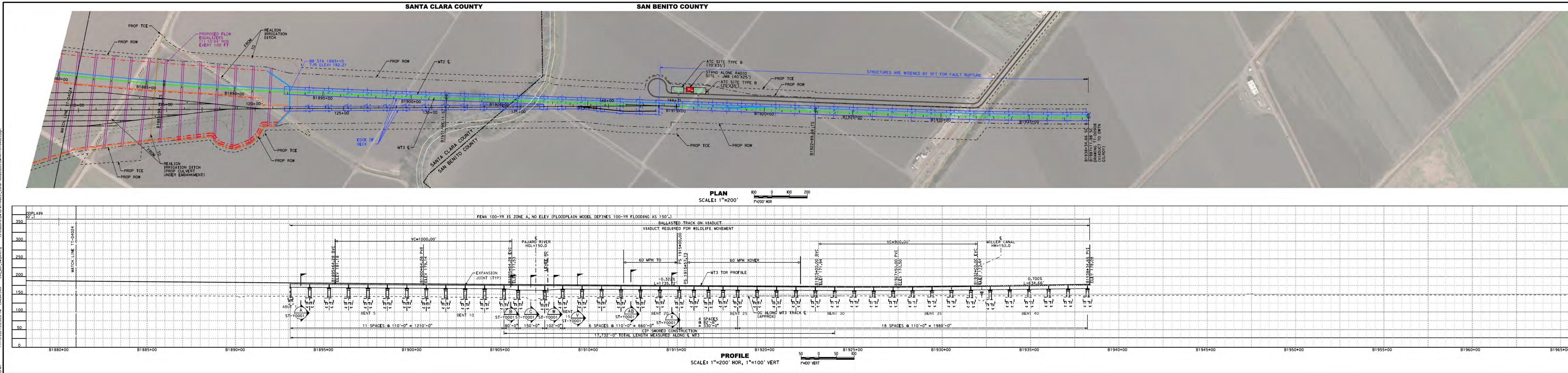


1860+00	B1865+00	B1870+00	B1875+00	B1880+00	
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					100
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		Ne la		LEW	250
		w		в	
					300
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			FEMA 100-YR IS ZONE A, NO ELEV (F MODEL DEFINES 100-YR FLOODING AS	LOODPLAIN S	· · · · · · · · · · · · · · · · · · ·
					400
					1 1 1

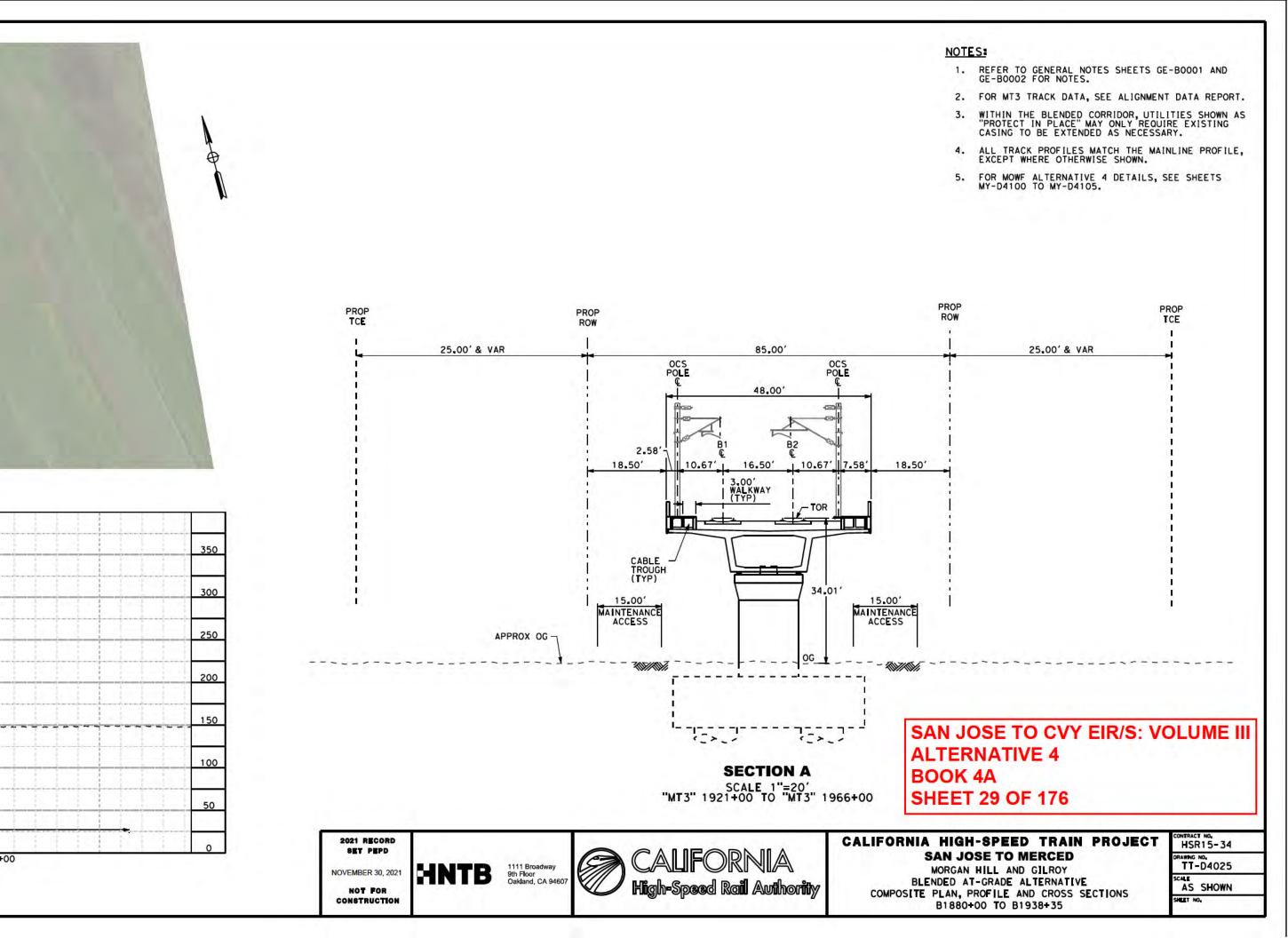


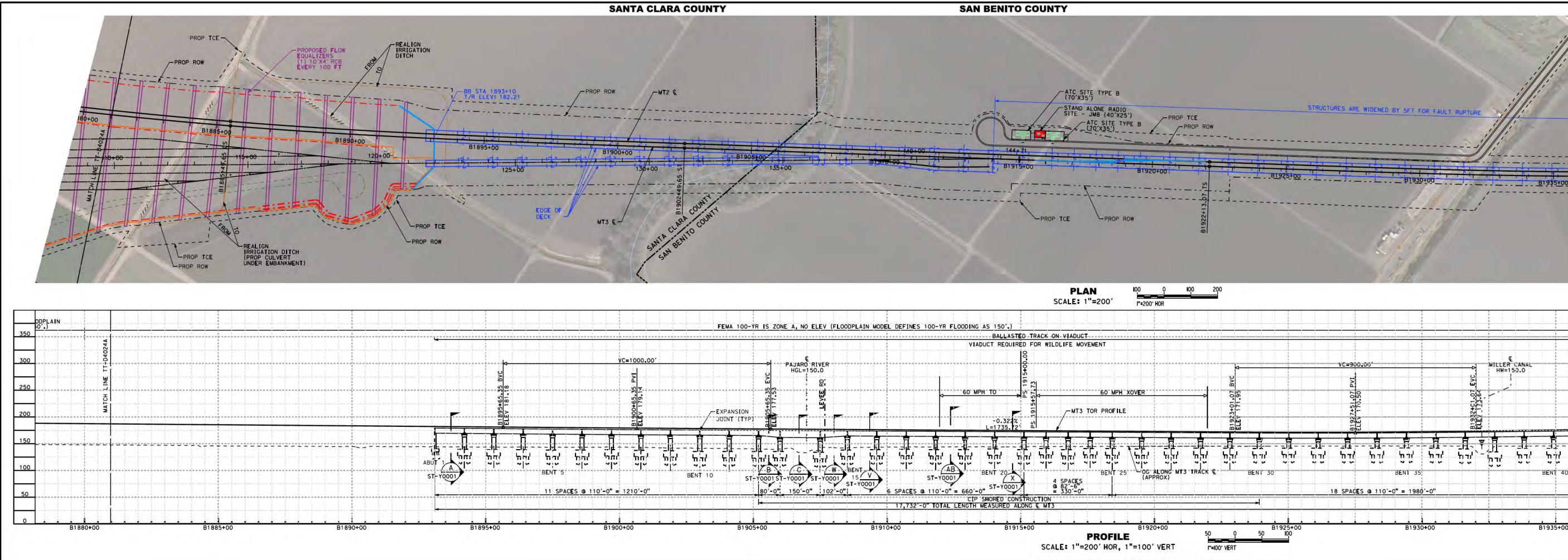


					400
			FEMA 100-YR IS ZONE A, NO ELEV (FLOODPLAIN MODEL DEFINES 100-YR FLOODING AS 150'.)	94)225A	350
				E	
				<u>R</u>	300
				н	
		v NOD		WA	250
					200
					150
					100
1860+00	B1865+00	B1870+00	B1875+00	B1880+00	50

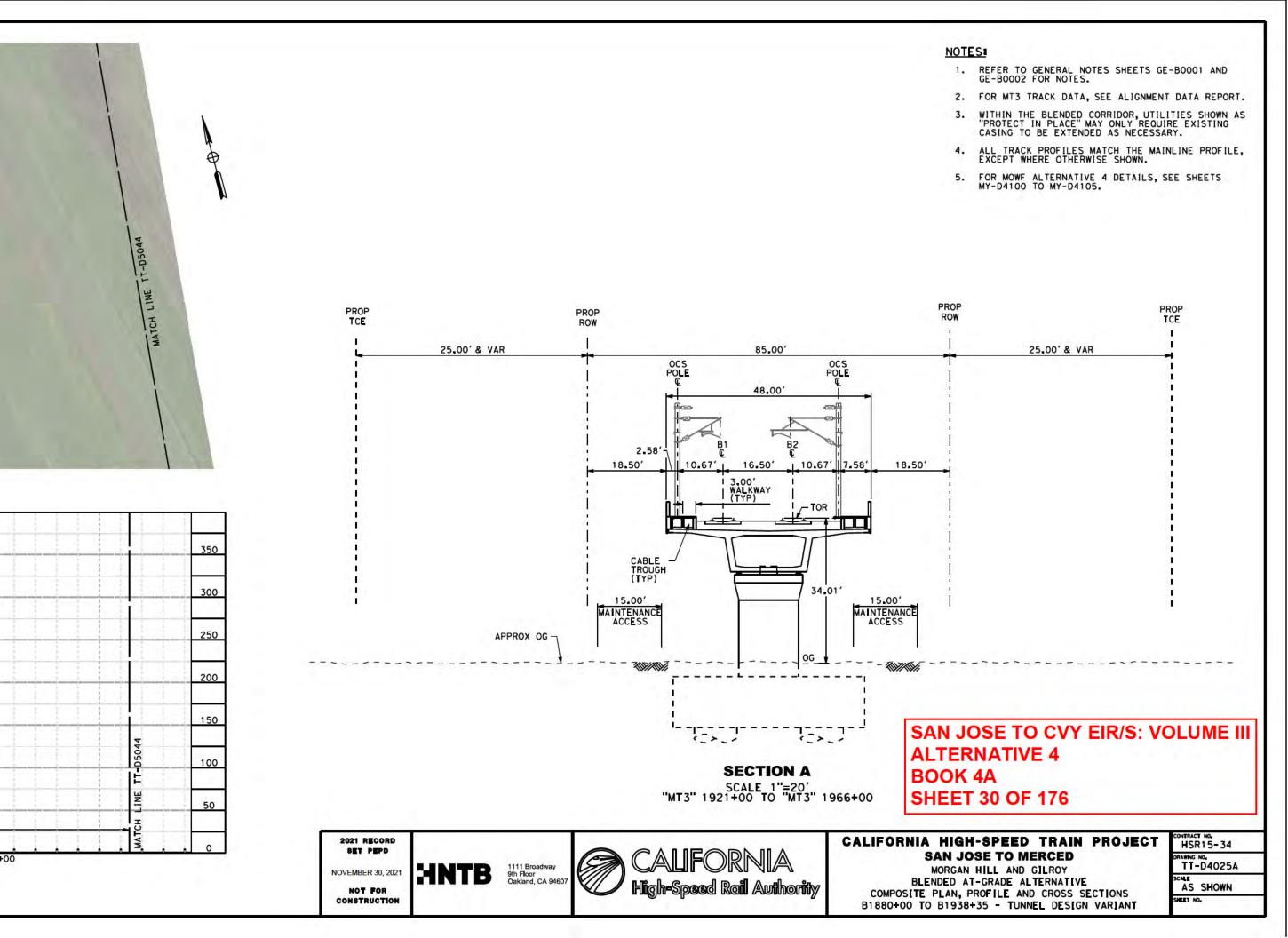


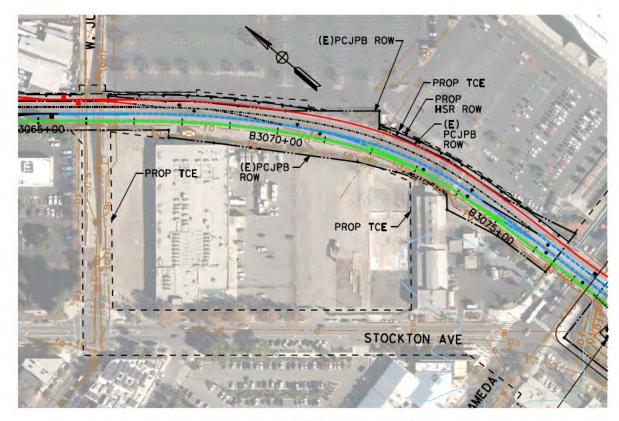
<u>นีนีนี</u>	 	
700% 34,66'		
1997 1977 1977		





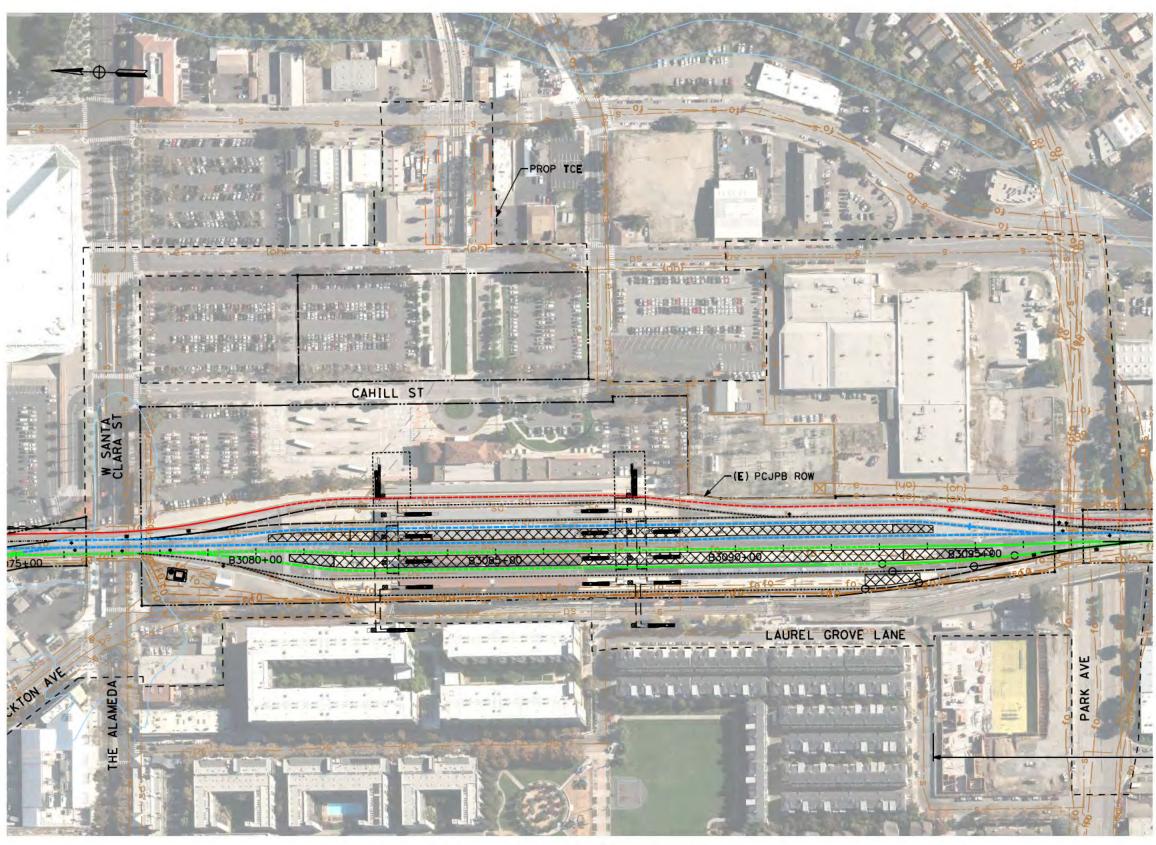
	B1939+13.07 SC - 4 B1987+88.99 SC DRAWING TT-D0908A (VIADUCT TO DWTN GILROY - TUNNEL DESIGN VARIANT)							
0.697% L=347.23' 	B1939+13.07 = B1939+13.07 = ELEV 178.60 B1987+88.99 DRAWING TT-D0908A (VIADUCT TO DWTN CILROY - TUNNEL DESIGN VARIANT)							
+00	B1940+00	B1945+00		B1950+00	B1955+00	B1960+0	0 B1965+00	





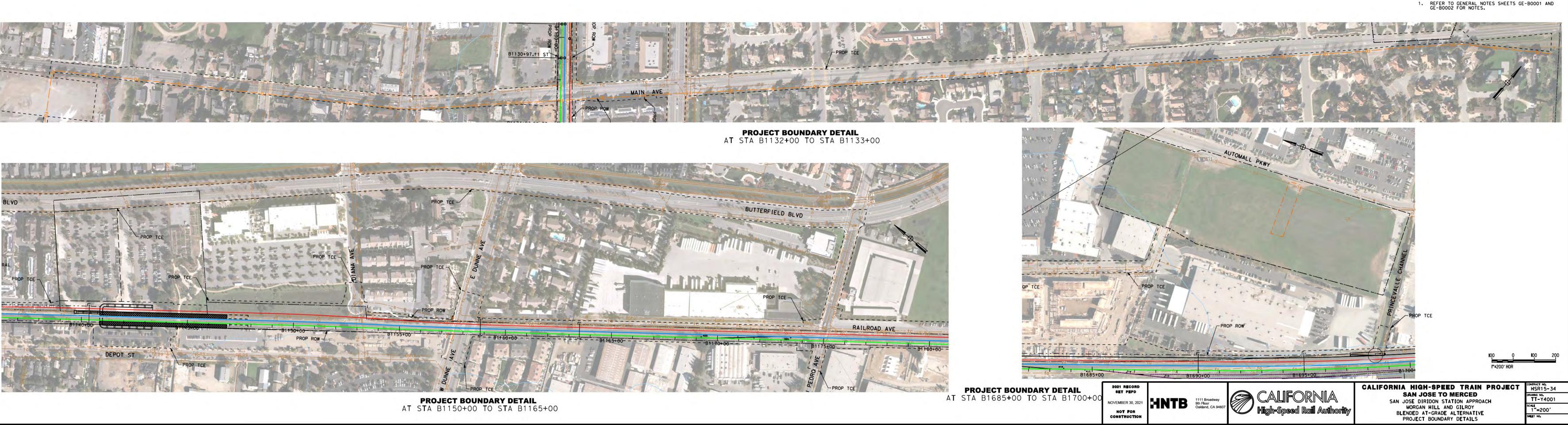
PROJECT BOUNDARY DETAIL AT STA B3065+00 TO STA B3071+00

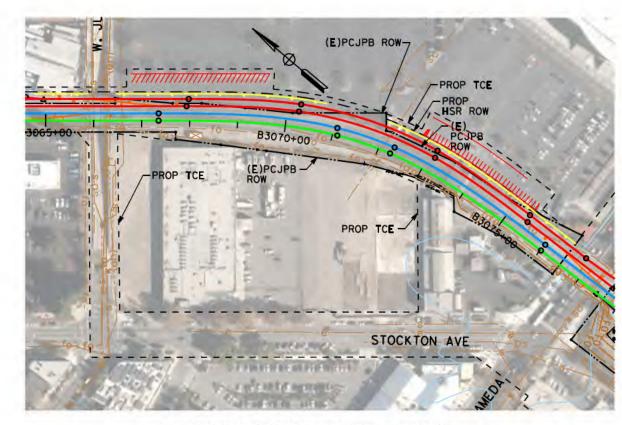
SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 4 BOOK 4A SHEET 31 OF 176



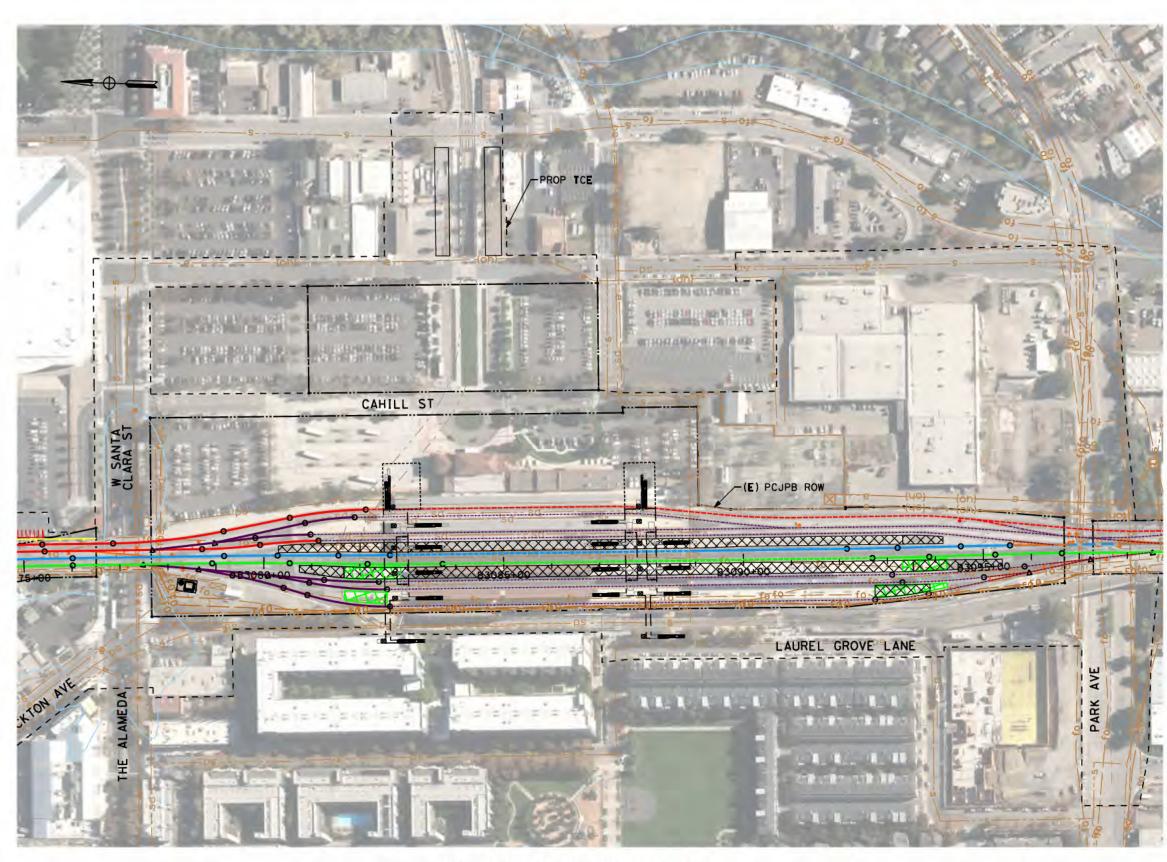
PROJECT BOUNDARY DETAIL AT STA B3076+00 TO STA B3098+00







PROJECT BOUNDARY DETAIL AT STA B3065+00 TO STA B3071+00



# PROJECT BOUNDARY DETAIL AT STA B3076+00 TO STA B3098+00



NOTES: 1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III