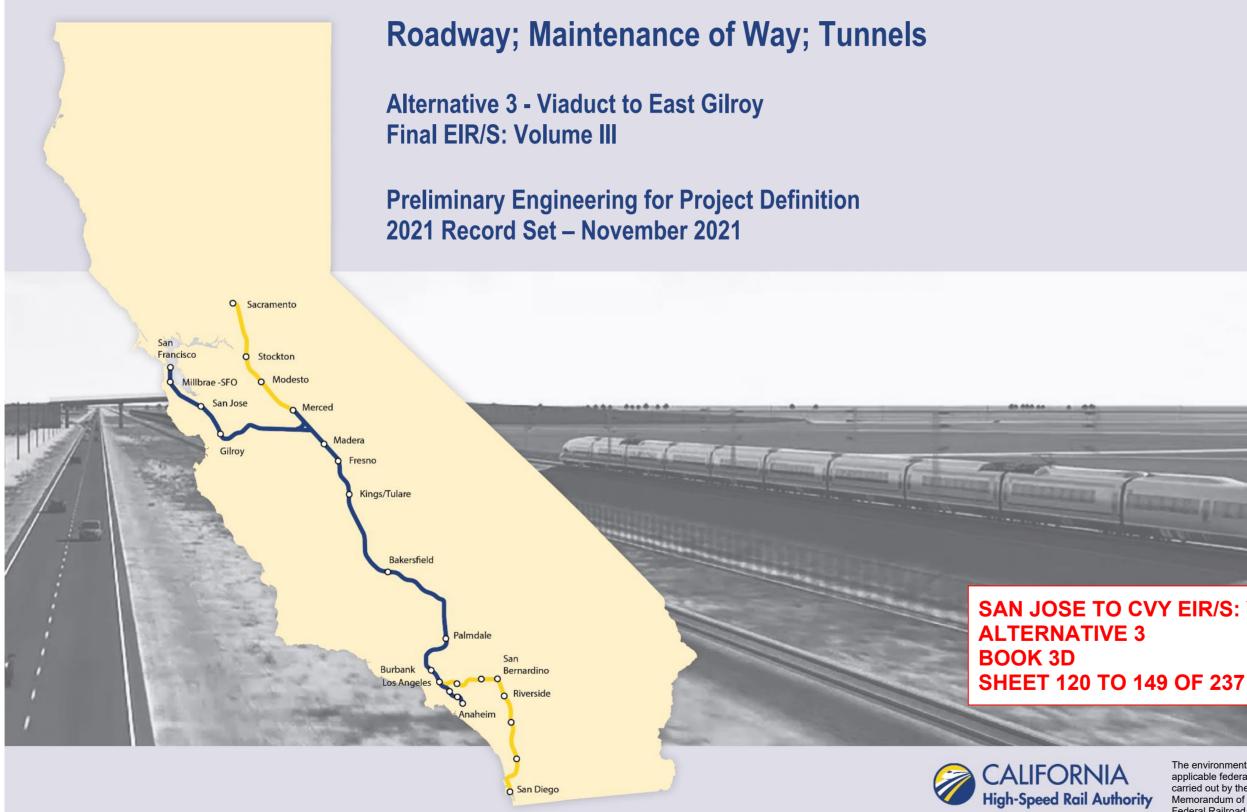
California High-Speed Rail Authority

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





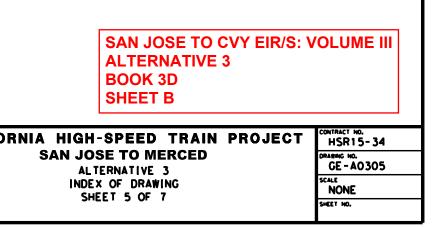
SAN JOSE TO CVY EIR/S: VOLUME III

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
COVER, IND	X OF DRAW	ING AND KEY M	APS			
BOOK 3D	А	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 3
BOOK 3D	В	GE-A0305	ENTIRE ALTERNATIVE	GRADE SEPARATIONSMAINTENANCE OF WAY, TUNNELS	INDEX OF DRAWING	SHEET 5 OF 7
BOOK 3D	С	GE-D0301	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN
BOOK 3D	D	GE-D0302	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES
ROADWAY						
PACHECO PASS						
BOOK 3D	120	CV-T0401	MONTEREY CORRIDOR	SR87, WILLOW ST	VIADUCT / AT-GRADE	GRADE SEPARATION LAYOUT, PROFILE, & CR
SAN JOAQUIN V	ALLEY					
BOOK 3D	121	CV-S1601	SAN JOAQUIN VALLEY	MONTEREY RD, INGOMAR GRADE	HENRY MILLER ROAD	CIVIL DETAILS
BOOK 3D	122	CV-T1603	SAN JOAQUIN VALLEY	VOLTA RD, HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CR
BOOK 3D	123	CV-T1604	SAN JOAQUIN VALLEY	HENRY MILLER ACCESS	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CR
BOOK 3D	124	CV-T1606	SAN JOAQUIN VALLEY	HENRY MILLER RD AT MERCEY SPRINGS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CR
BOOK 3D	125	CV-T1609	SAN JOAQUIN VALLEY	DELTA RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CF
BOOK 3D	126	CV-T1610	SAN JOAQUIN VALLEY	TURNER ISLAND RD AT HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CF
BOOK 3D	127	CV-T1611	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CR
BOOK 3D	128	CV-T1612	SAN JOAQUIN VALLEY	HUTCHINS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CF
MAINTENAN	CE OF WAY					
BOOK 3D	129	MY-B0906	MORGAN HILL AND GILROY	CARNADERO AVE TO SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILIT
BOOK 3D	130	MY-B0907	MORGAN HILL AND GILROY	CARNADERO AVE TO SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILIT
BOOK 3D	131	MY-B0908	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILIT
BOOK 3D	132	MY-B1106	MORGAN HILL AND GILROY	N/A	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILIT
BOOK 3D	133	MY-B1107	MORGAN HILL AND GILROY	SR 152, JONES CREEK	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILIT
BOOK 3D	134	MY-B1108	MORGAN HILL AND GILROY	N/A	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILIT
UNNELS - P	ACHECO PAS	S				
BOOK 3D	135	TN-D1301	PACHECO PASS	PACHECO PASS RD	TUNNEL	TUNNEL 1 - PORTAL 1
BOOK 3D	136	TN-D1302	PACHECO PASS	SR 152	TUNNEL	TUNNEL 1 - PORTAL 2
BOOK 3D	137	TN-D1404	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1
BOOK 3D	138	TN-D1405	PACHECO PASS	ACCESS RD 1	TUNNEL	TUNNEL PORTAL 2 ACCESS ROA
BOOK 3D	139	TN-D1406	PACHECO PASS	CALIFORNIA AQUEDUCT	TUNNEL	TUNNEL PORTAL 2 ACCESS ROA
BOOK 3D	140	TN-D1407	PACHECO PASS	ACCESS RD 2	TUNNEL	TUNNEL PORTAL 2 ACCESS ROA
BOOK 3D	141	TN-D1408	PACHECO PASS	N/A	TUNNEL	LONGITUDINAL PROFILE
BOOK 3D	142	TN-D1409	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL
BOOK 3D	143	TN-D1410	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL
BOOK 3D	144	TN-D1411	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL
BOOK 3D	145	TN-D1412	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL
BOOK 3D	146	TN-D1413	PACHECO PASS	I-5, FAHEY RD	TUNNEL	GRADING DETAIL
BOOK 3D	147	TN-D1414	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1
BOOK 3D	148	TN-D1415	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2
BOOK 3D	149	TN-D1416	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2

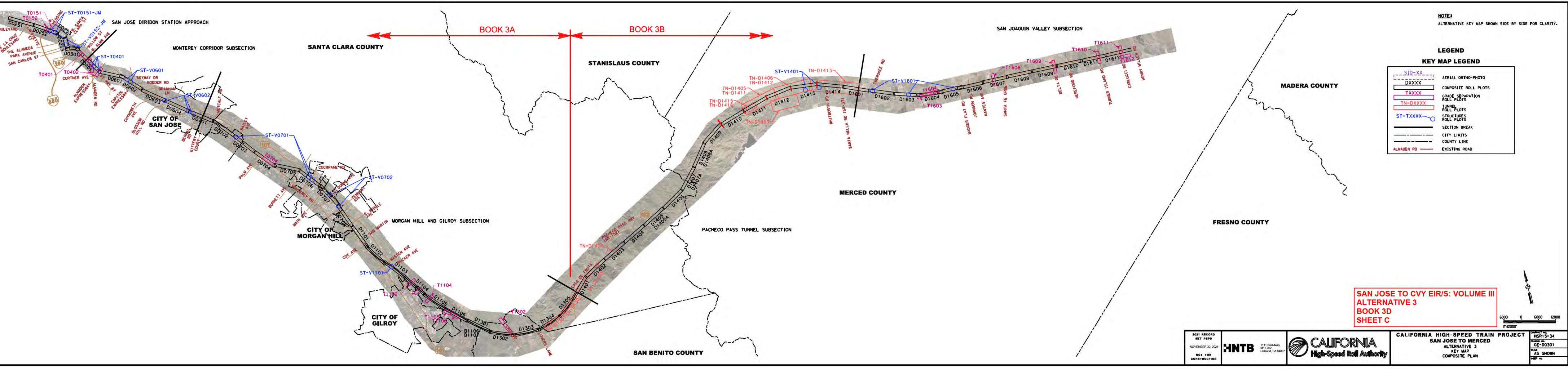
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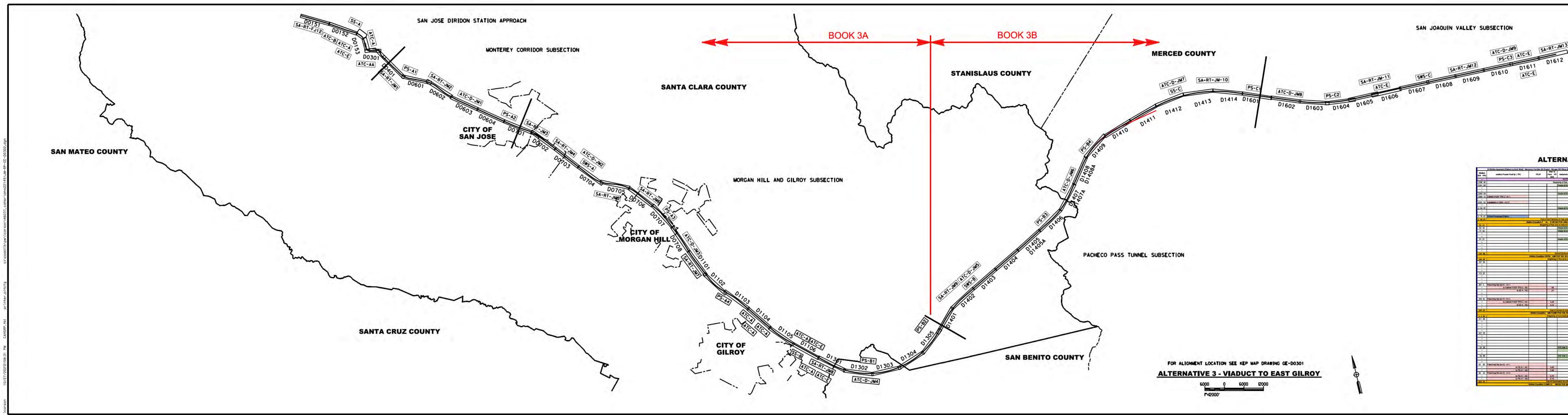
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& CROSS SECTIONS	HENRY MILLER ROAD
& CROSS SECTIONS	HENRY MILLER ACCESS
& CROSS SECTIONS	MERCEY SPRINGS ROAD
& CROSS SECTIONS	DELTA ROAD
& CROSS SECTIONS	TURNER ROAD
& CROSS SECTIONS	CARLUCCI ROAD
& CROSS SECTIONS	HUTCHINS ROAD
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	APPROACH 1 APPROACH 2
	ΑΥΥΝΟΑΟΠ Ζ



ALTERNATIVE 3 BOOK INDEX

BOOK 3A:	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
BOOK 3B:	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS, STATIONS
BOOK 3C:	STRUCTURES, ROADWAY
BOOK 3D:	ROADWAY, MAINTENANCE OF WAY, TUNNELS - PACHECO PASS
BOOK 3E:	CONSTRUCTION STAGING
BOOK 3F:	ALIGNMENT DATA TABLES





SJ Diridon Approach (Viaduct to Scott Blvd) - Mor raction Power Facility (PF)

o Catrain PCEP TPS

Paralising Station A3 - At 1

analeing Station A - Alt 1

5 Paralising Station A - At 2



radion Power FaoII ty (PF)	PD IF	Dist to Prev PF	Automat o rain Control 3 lies	Dist to Prev	icheco Pass (Deep) - San Joaquin Valley (Hanry Mi Communications Radio ower	Dist to Prev
		(mi)	SCOTTBOLLEVARD	A C D (ml)		(m.)
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				· · · · · ·	to SA-RTFJ11-At 1 ID SA-RTFJ11-At 1	1.63
	-	11	House at in enocking Site B			_
train PCEP TP8 2 • At 1	-				Radio Tower SS-A - At 1 to RT in erlocking Site A	2.2
station A (HSR) - ALT2					Radio Tower SS-A - At 2	4.6
		_			to RT in entrocking Sile A	2.6
			House at In erlocking Sile E	-	Radio Tower Interlocking Site E - All 1 to Catrain PCEF TPS 2 - All 1	1.7
		· · · · ·	-	1	to Subs ation A (HSR)	1.37
dan Passenger Station	Testar	Carl Francisco	o to San José Section (FJ) - Scott to	Distance Filmer		
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	Begimi	ng of San Jos	e to Merced Section (JM) - Diridon to	Tartien Subs	ection	
-			House at in enocking Site B		Paralla Terrara Interdentian Pilar 1 / 88.7	
		1.0	House at in erlocking Sile A		Radio Tower Interlocking Site A - Alt 3 to Caltrain PCEP TPS 2 - Alt 1	2.20
					to Subs ation A (HSR)	2:15
		-	House at in enocking Sile AA.		Radio Tower Interlocking Site AA - A t to Calinain PCEP TPS 2 - At 1	2.6
		1			to Subs ation A (HSR)	2.2
		11	And and a second se		o RT interlocking Site E - Alt 1	1.0
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		Beginning o	Tamento Communication H Subs	rec ion (JM)		
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			1		o RT Interlocking Sile A - Alt 3	1,72
		11		-	RT Interlocking Site AA - Ait Stand A one Radio Tower JM1 - Alt 2	1.5
		-			Stand A one Radio Tower JM1 - Alt 2 o RT interlocking Site E - Alt 1	2.58
					a RT Interlocking Sile A - Alt 3	
mieling Station A1 - At 1		-			RT Interlocking Site AA - At Radio Tower PS-A1 - At 1	1.53
to Catrain PCEP TPS-2- At 1		.55			o RT Interlocking Site A - Alt 3	2.6
to 88 A - At 2		.61		2 · · · · · · · · · · · · · · · · · · ·	RT Interlocking Sile AA - At	2.20
		-			ID SA-RTJM1 - AIL1 ID SA-RTJM1 - AIL2	0.7
aleing Station A1-A12	1	-			Radio Tower PS-A1 - At 2	
to Calcula PCEP TPS-2- At 1		5.28	1.00		RT Interlocking Site AA - At	2.81
DSSA-A12		5.23			to SA-RT JM1 - At 1 to SA-RT JM1 - At 2	1.36
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	Station Equation		POE 260 03 21 = COMH K) ME Communication Hills Kitery Ct Sub	DN POB 248	36.76	
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		10			ID SA-RTJM1 - AR 1	17
					to SA-RT JMT - AIL2 o RT PS-A1 - AIL1	2.66
	-			1	o RT PS-A1 - At 2	1.39
				1	Stand A one Radio Tower JM2 - Alt 2	-
					to SA-RTJM1 - Alt 1 to SA-RTJM1 - Alt 2	3.0
					ORT PS-A1 - AE 1	229
					o RT PS-A1-At 2	1.67
		1	ATC Site D JM1 - At 1 to Diridon	7.10	Radio Tower ATC-D-JM1 - Alt 1 to SA-RT JM2 - Alt 1	2.09
					D SA-RT JAC - AL2	1.90
	_		ATC Site D JM1 - At 2 to Diridon	7.33	Radio Tower ATC-D-JAH - At 2	2.32
	-		ab Dilloon	1.33	to SA-RTJM2 - Alt 1 to SA-RTJM2 - Alt 2	2.02
aleing Station A2-A11	-				Radio Tower PS-A2 - Alt 1	12
to PS A1- A21 to PS A1- A22	-	6.60 5.98			ID RT ATC-D-JM1 - AIL1 In RT ATC-D-JM1 - AIL1	2.51
aleing Station A2-A12		5.20		1	Radio Tower PS-A2- At 2	10
		6.78	4	1 (ID RT ATC-D-JM1 - AT 1	2.69
to PS A1- A21 to PS A1- A22		5.15			to RT ATC-D-JM1 - At 2	27

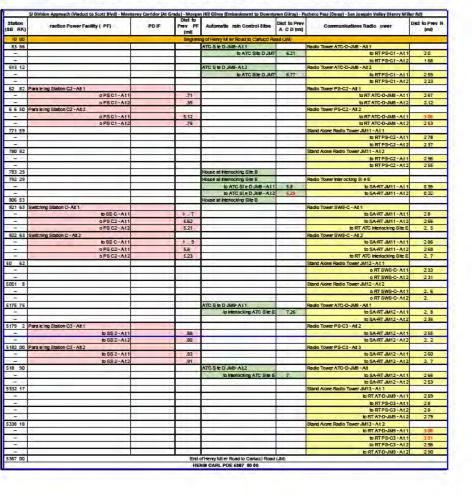
ALTERNATIVE 3 (CONTINUED)

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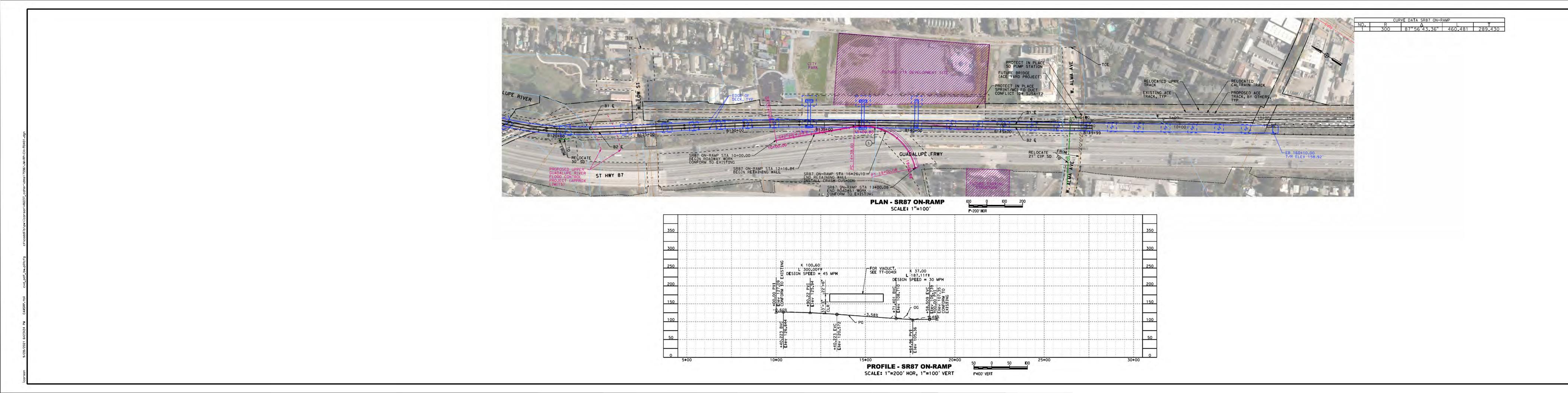
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D 2 50 EXT PORTAL HEAD/WALL-TUNNEL.2 U 9 00 Normal Market Council Status (True Parket Status)))))))))))))))))))))))))))))))))))	1	to SWS B - At 1			Contraction of the second s			
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177 50 ATC Bite 0.407 Roto Taker ATC-0-MI7	0 9 00			1				-
Radio Tower 55-0 2.23 77 80 Substation Extend 259 Radio Tower 55-0 231 0 558 F-A42 2511 0 807 0 0 0 236 236 0 <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>13.61</td>	-			-				13.61
173 80 Bubble Dation C Robit Tower SS-C Robit Tower SS-C - b SS 8- A42 25.93 b RT gift E. Fords 2.36 - b SS 8- A42 25.91 b RT gift E. Fords 2.36 - b SS 8- A42 25.91 b RT gift E. Fords 2.36 - b SS 8- A42 25.91 b RT gift E. Fords 2.36 - b SS 8- A41 415.8 b RT gift E. Fords 2.37 - b SS 8- A42 165.7 b RT gift E. Fords 2.37 - b SS 8- A42 165.7 B Stand A one Rado Tower Afrito 2.35 231 12 - b RT gift E. Fords 2.36 2.37 - b SS C-A41 - B Stand A one Rado Tower Afrito 2.32 - b SS C-A41 .1 C b SA FT A410 2.32 - b SS C-A41 .1 Radio Tower PS-C1-A11 1.3 1.32 - b SS C-A41 .1 C b SA FT A410 1.32 - b SS C-A41 .1<	171 90		-					-
- 0.058 - A1 239 0.077 (The E-Park) 236 - 0.58 - A1 26.11 0 0 0 - 0.598 - A1 158 0 0 0 - 0.598 - A1 158 0 0 0 - 0.598 - A1 158 0 0 0 - 0.598 - A2 16.17 0 0 0 0 231 12 0 55 0 0 0 0.786 / 0.967 / 0.471 2.266 - 10.795 / 0.075 / 0.05	172 80	Substation Station C			ID ATC SILE D JMS	8.07	Bardio Tower SS-C	233
- 0 0 26,11 0 0 - 0 0.6448 ± A41 46.9 0 0 - 0 0.6448 ± A41 46.9 0 0 - 0 0.6448 ± A41 46.9 0 0 0 - 0 0.6448 ± A41 46.9 0	- US 80	bSSR-AT		25.99			ID RT @ T3 F Potel	235
b 5/K8 B - M1 195 3 195 30 1517 b 5/K8 B - M2 1517 201 2 201	-				ų —			
- Ib SKNE E-M2 1617 C C - b P3 # 53 S3 Smid Ame Rado Tower Altio 25 231 12 - b P3 # S3 Smid Ame Rado Tower Altio 26 231 12 - b P3 # S3 Smid Ame Rado Tower Altio 26 231 12 - b P3 # S3 Smid Ame Rado Tower Altio 27 - - b P3 # S3 Radio Tower P5 C1-Altio 192 - - b S5 C-Altio 10 b S4 #T JAttio 192 - - b S5 C-Altio - 60 SA #T JAttio 192 - - b S5 C-Altio - 60 SA #T JAttio 228 - 10 S5 C-Altio - - 60 SA #T JAttio 228 - 10 S5 C-Altio - - 60 SA #T JAttio 228 - 10 S5 C-Altio - - 60 SA #T JAttio 228	- e -			16.5	pl and the second se	-		-
231 12 33mid Ame Rado Tower JA10 2		to SW38-At 2		16.17		-	-	-
b b 226 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>terror and the second se</td> <td></td>							terror and the second se	
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382 9 Paraleling Station C1 - A11 Radio Tower PE-C1 - A11 1.92 - b 55 C - A11 .1 0.05 ART - A11 1.92 - b 55 C - A11 .1 0.05 ART - A11 1.92 - Image: An intercempt of the answer intercempt of the								
- b SS C-At1 1 to b SA RT JM19 132 - </td <td>307 0</td> <td>Paralision States City & **</td> <td></td> <td>-</td> <td></td> <td></td> <td>Badlo Tours BS-C1 - At *</td> <td>222</td>	307 0	Paralision States City & **		-			Badlo Tours BS-C1 - At *	222
Paraleng Batrion C1 - A12 Radio Tower PB-C1 - A12 bb SB C - A11 SD Radio Tower PB-C1 - A12 25:16 End of Pacheco Pass -Highto Henry Allier Road URA) bb SA-RT JAMB 228	725 3		-	-1				197
- to SE C - A1 1		255C-A11	-	-	· · ·		SALET JULIO	1.32
- to SS C - A1 1 50 to SA-RT JAMO 228 26 18 End of Placheco Plass - Highto Henry (All or Road (JM)	11 3	Paraleing Staton C1 - A12		A	2.2		Radio Tower PS-C1-A12	
26.18 End of Pacheco Pass - Highto Henry (III) er Road (IM)	-			50			to BA-RT JM10	2.28
Station Equation PACH HEMB HIGH POE 4428 17 63 = HEMB CARL POB 4416 00 00	26 18			EntiotP	acheco Pass - Highlio Henry Miller Re	(ML) be		
			Station Equation P.	ACH HENM	HIGH POE 4428 17 63 = HENM CA	AL POE 4410	00 00	

ALTERNATIVE 3 (CONTINUED)



SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET D

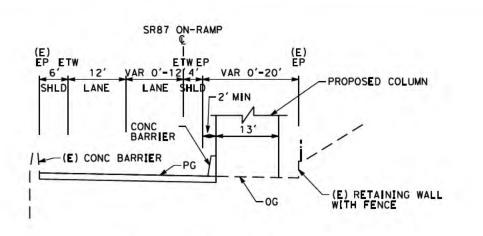
CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR15-34 CALIFORNIA High-Speed Reil Authority GE-D0302 GENERAL KEY MAP Systems sites



					SHEET 120 OF 237	
021 RECORD Set Pepd			-		CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
	UNITO	1111 Broadway 9th Floor		CALFORNIA	SAN JOSE TO MERCED MONTEREY CORRIDOR	CV-T0401
NOT FOR	HNTB	9th Floor Oakland, CA 94607		High-Speed Rail Authority	VIADUCT/AT-GRADE	AS SHOWN
NSTRUCTION		1.0.1	•		GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS SR87 ON-RAMP	SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 120 OF 237

TYPICAL SECTION SCALE: 1"=20' SR87 ON-RAMP STA 10+00 TO SR87 ON-RAMP STA 19+00.08



NOTE: 1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.





NOTE

REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 121 OF 237

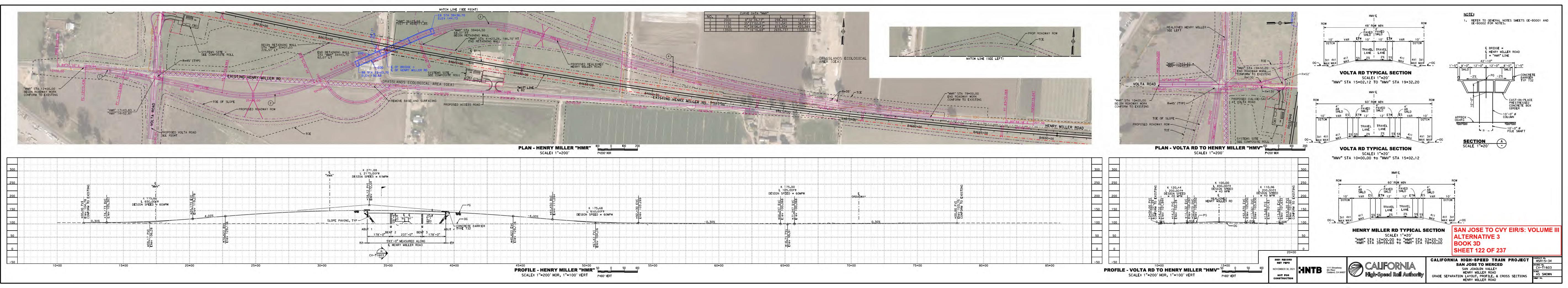
100 0 100 200 1"=200' HOR

2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION

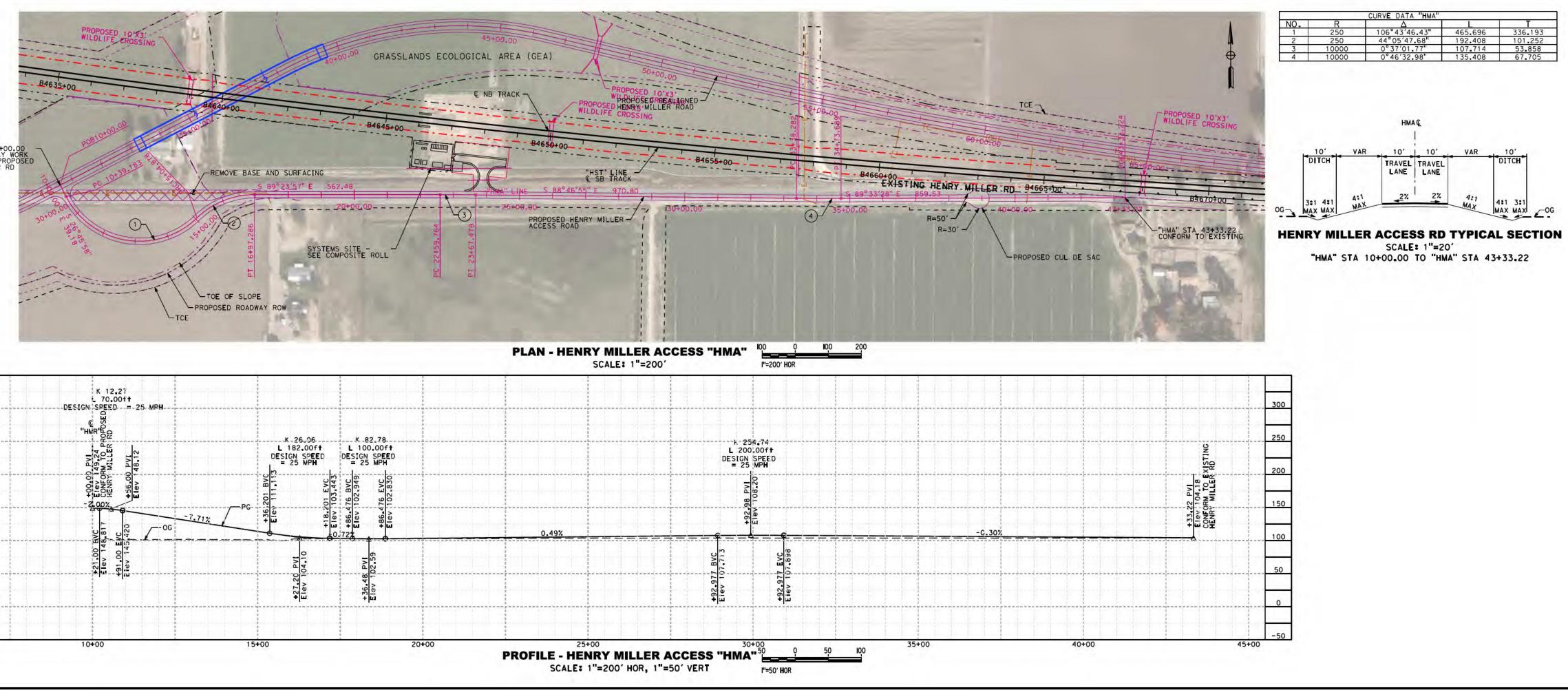
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAOUIN VALLEY HENRY MILLER ROAD CIVIL DETAILS

HSR15-34 CV-S1601 AS SHOWN



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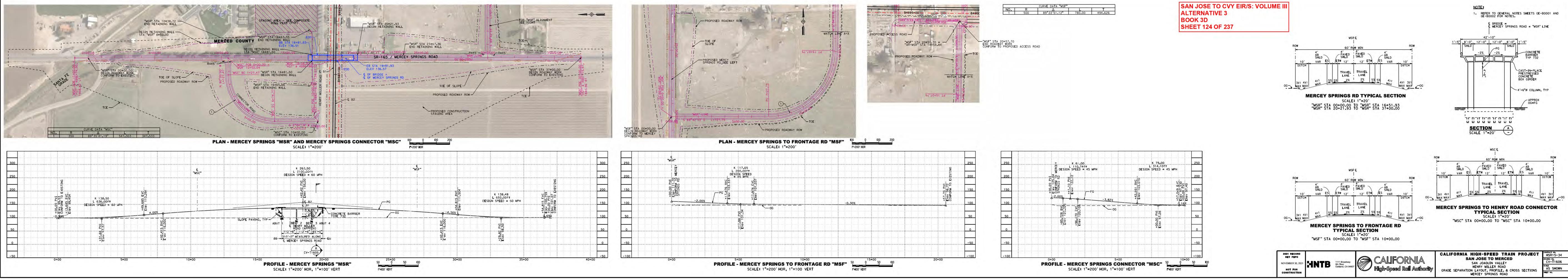
		CURVE DATA "HMA"		
NO.	R	Δ	L	T
1	250	106°43′46.43"	465.696	336.193
2	250	44°05′47.68"	192.408	101.252
3	10000	0° 37'01.77"	107.714	53.858
4	10000	0°46′32.98″	135.408	67.705

		300
	Ŷ	250
	2 PVI 104.18 MILLER RD	200
	+33.22 PVI Elev 104.18 CONFORM TO HENRY MILLE	150
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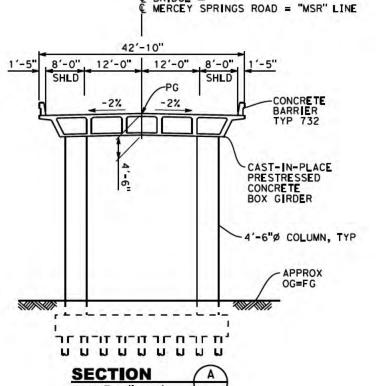
2021 RECORD Set Pepd			CALIFORNIA HIGH-SPEED TRAIN PROJECT	HSR15-34
	HNTB Oakland, CA 9460	CALIFORNIA	SAN JOSE TO MERCED SAN JOAQUIN VALLEY	CV-T1604
NOT FOR	Oakland, CA 9460	High-Speed Rail Authority	HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	AS SHOWN
CONSTRUCTION			HENRY MILLER ACCESS	SHEET NO.

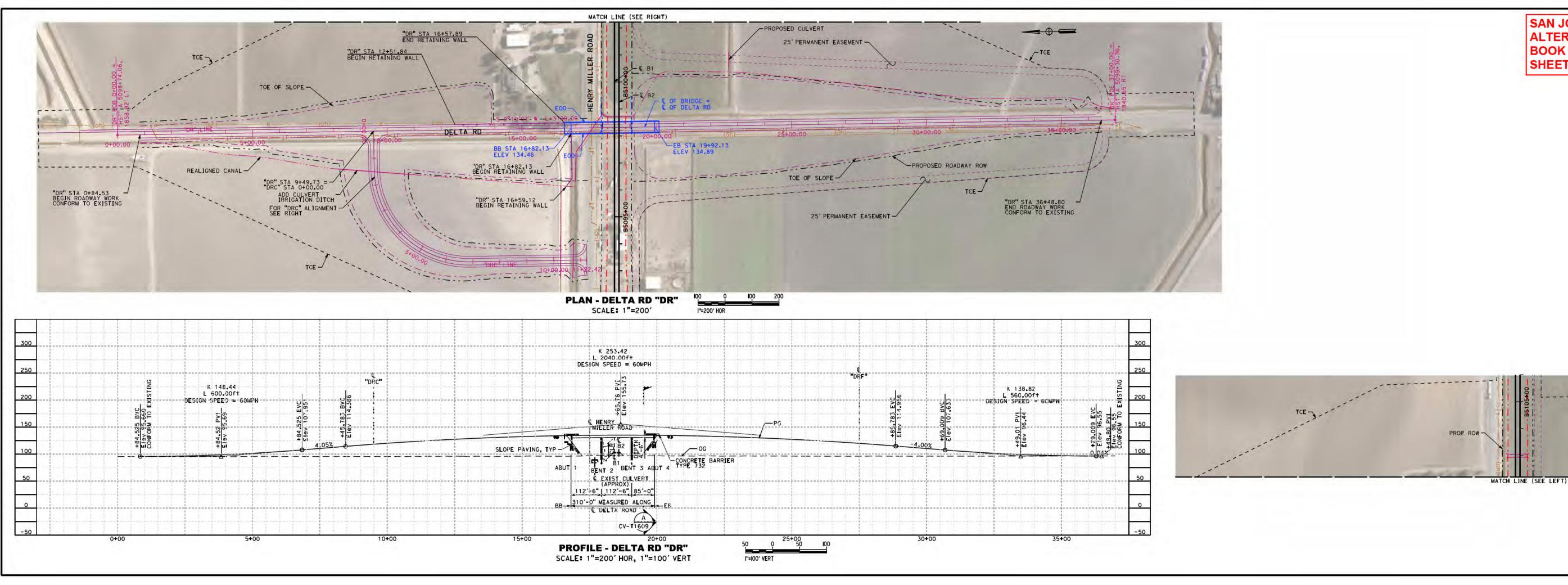
SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 123 OF 237

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

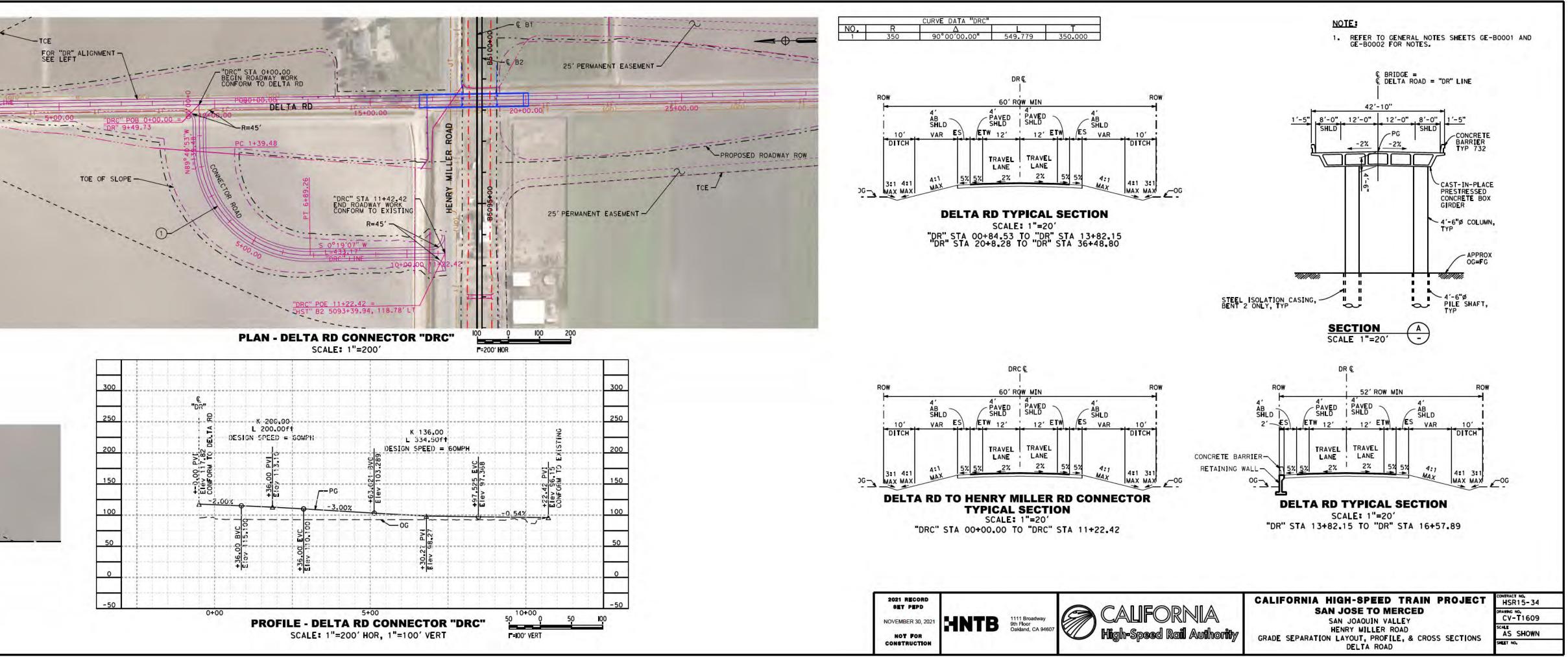


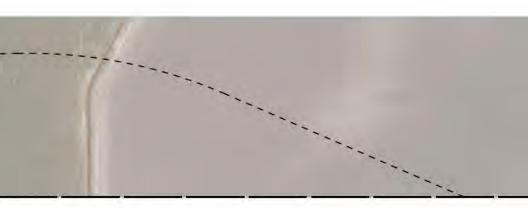


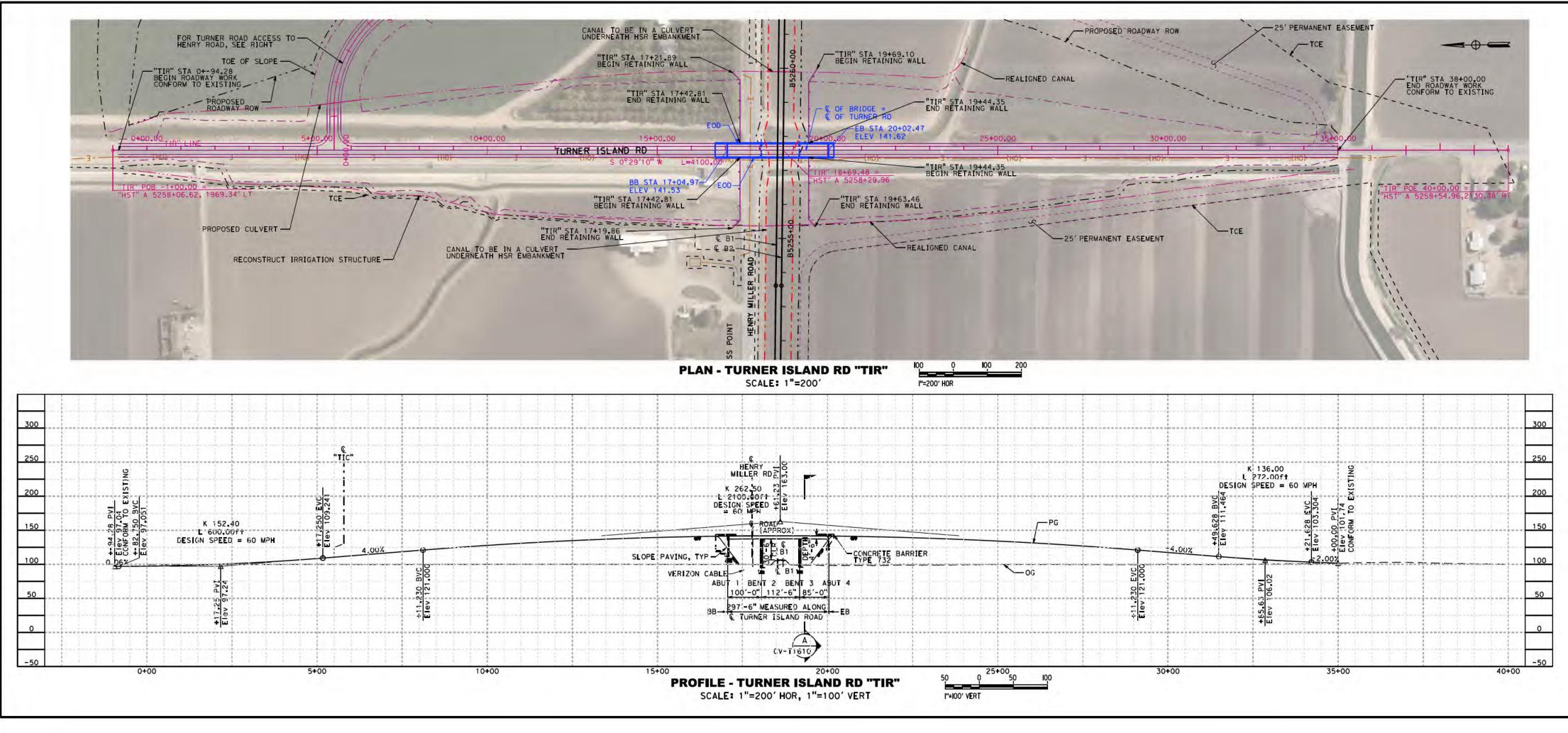


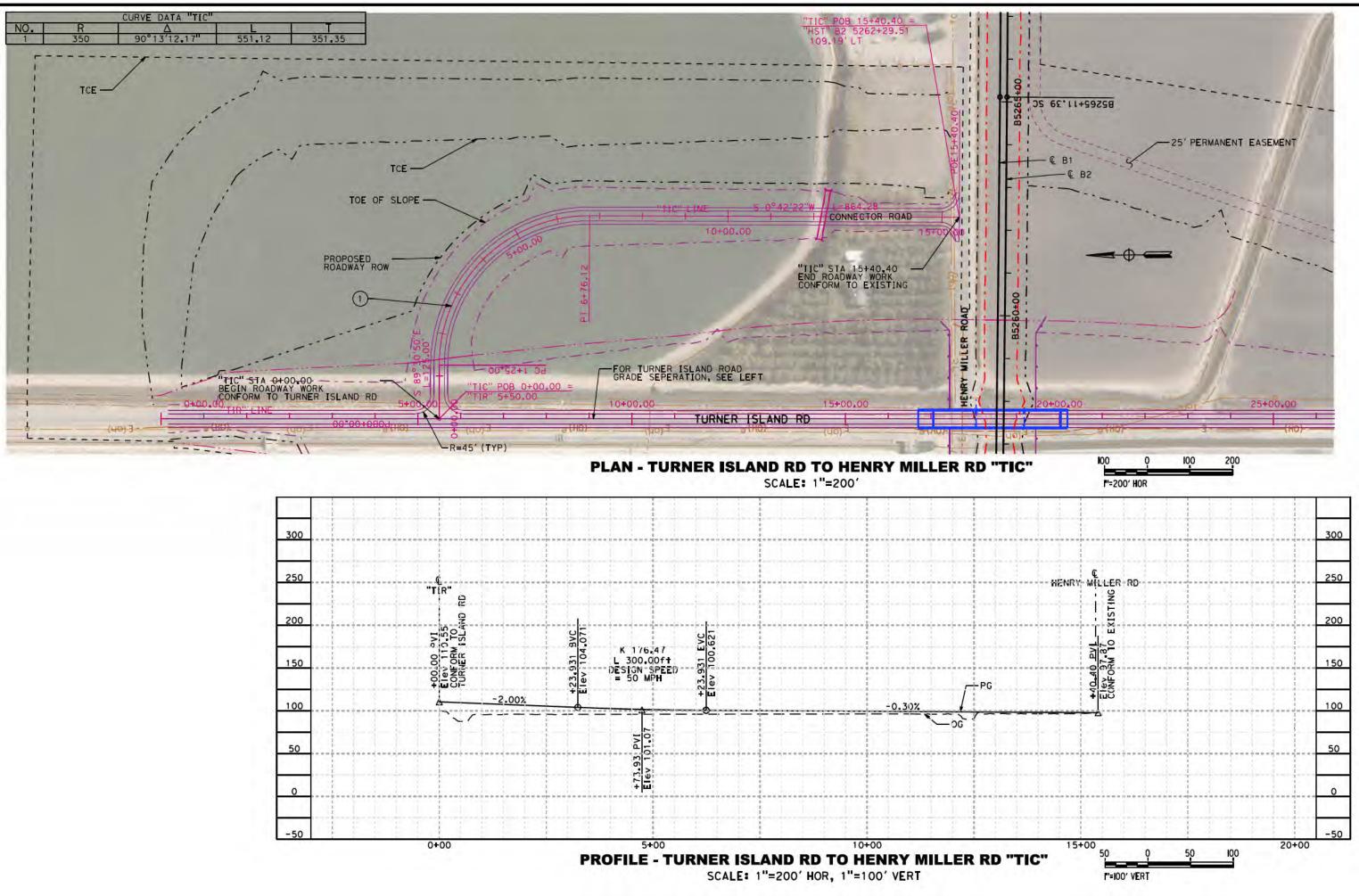


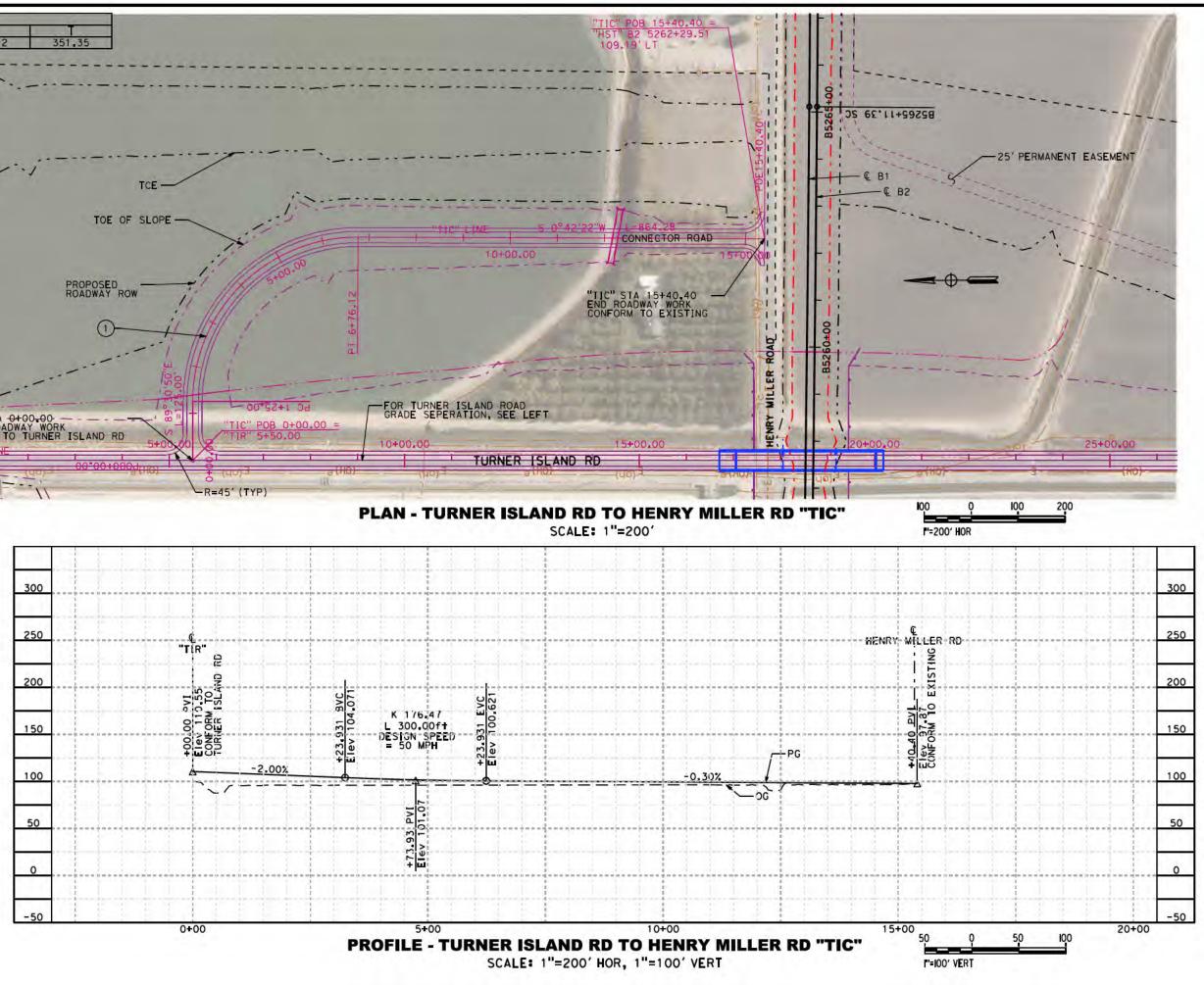
SAN JOSE TO CVY EIR/S: VOLUME III **ALTERNATIVE 3** BOOK 3D SHEET 125 OF 237



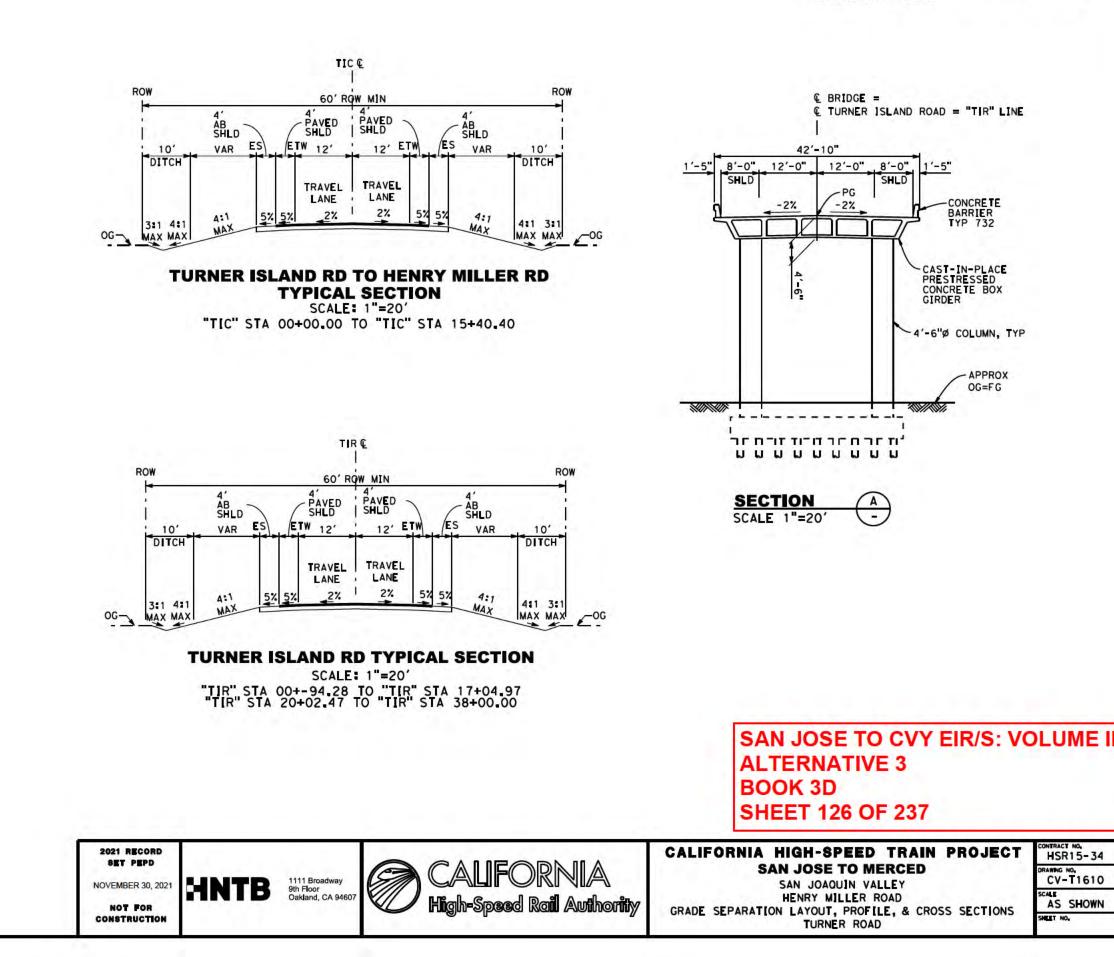


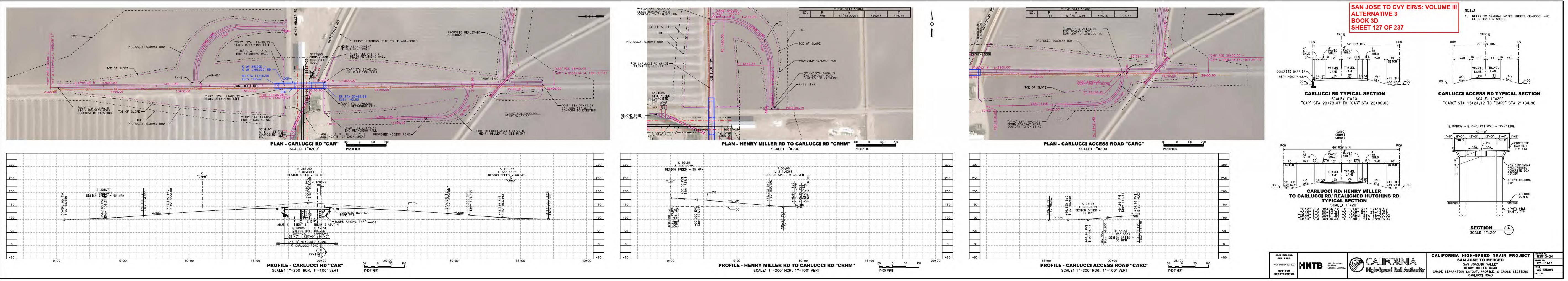


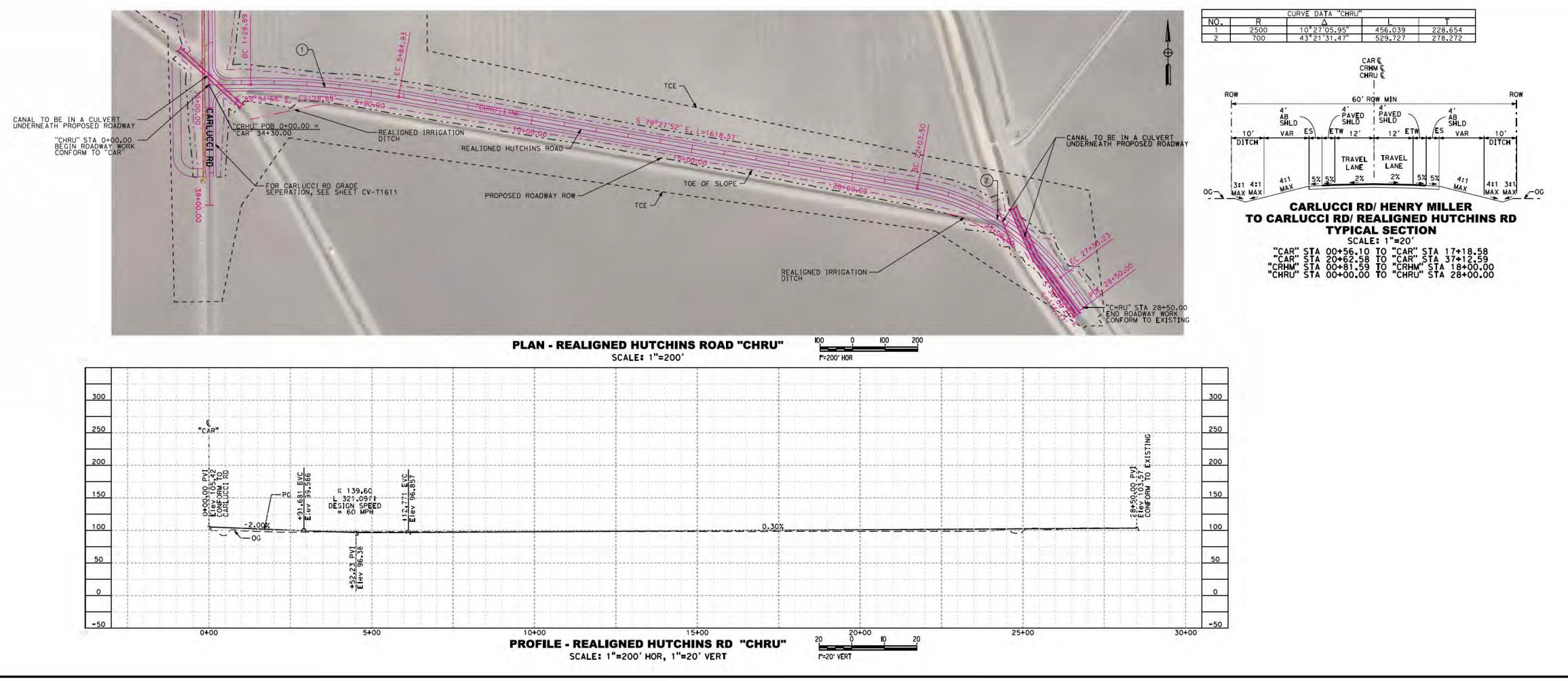




1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.



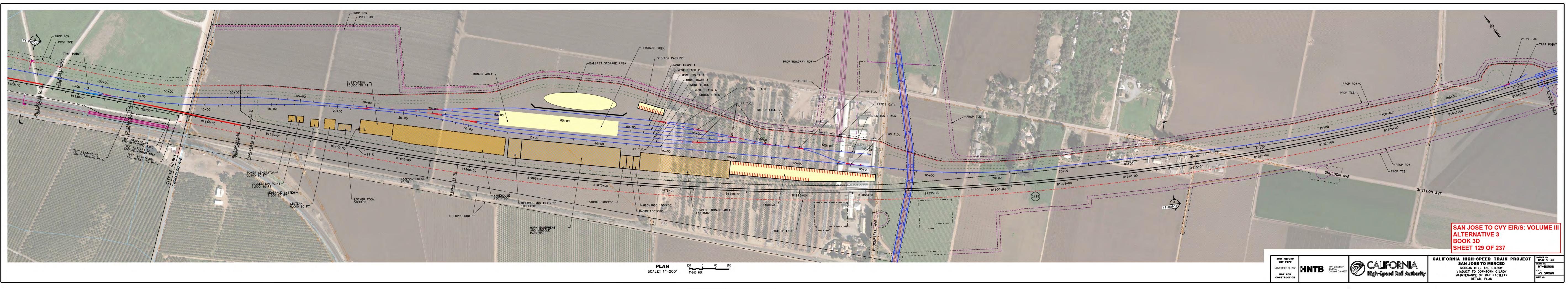


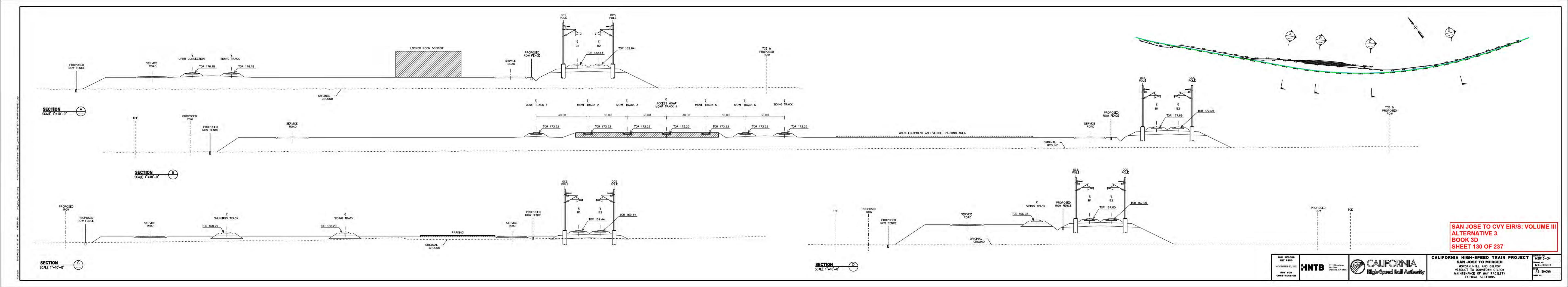


2021 RECORD Set Pepd			-		CALIFORNIA HIGH-SPEED TRAIN PROJECT	HSR15-34
NOVEMBER 30, 2021	UNTD	1111 Broadway 9th Floor Oakland, CA 94607	Ì		SAN JOSE TO MERCED SAN JOAQUIN VALLEY	CV-T1612
NOT FOR	MNID	Oakland, CA 94607	Ŵ	High-Speed Rail Authority		AS SHOWN
CONSTRUCTION					HUTCHINS ROAD	SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 128 OF 237

1. REFER TO GENERAL NOTES SHEETS GE-BOOO1 AND GE-BOOO2 FOR NOTES.



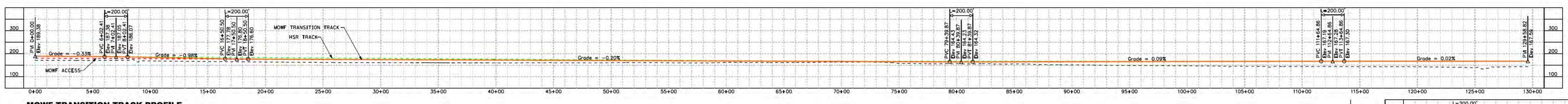


MOWF TRANSITION TRACK HORIZONTAL ALIGNMENT

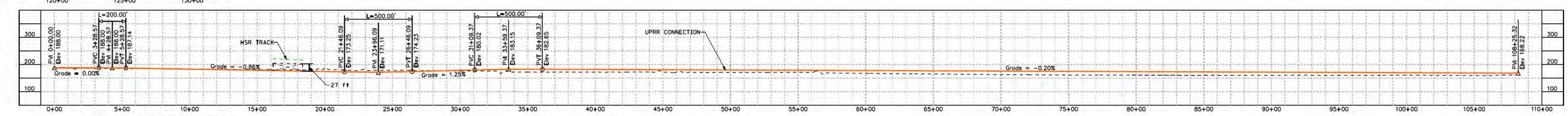
Element	Point Type	Station	Northing	Easting	Rodius	Length	Delta / Theta	Rotation Direction	к	P
Tongen+	POB	0+00.00	1816309.47	6256326.95	11.2.21					
Tangent	TS	3+73.51	1816045.46	6256591.16						
Clothoid	TS	3+73.51	1816045.46	6256591.16		h f		Í Í	1	
Clothoid	SPI	4+63.51	1815981.84	6256654.82		135	0°58'01"	Left	67.5	0,19
Clothoid	SC	5+08,51	1815950,57	6256687,19			I			
Arc	SC	5+08,51	1815950.57	6256687.19	1					
Arc	PI	7+52.28	1815781.2	6256862.51	4000	486.93	6°58'29"	Left		
Arc	CC		1818827.36	6259466.41						
Arc	CS	9+95.44	1815634.37	6257057.09				1	/ -	
Clothoid	CS	9+95.44	1815634.37	6257057.09		-	-	(1	
Clothoid	SPI	10+40,44	1815607.27	6257093.02	1.1.1	135	0°58'01"	Lef†	67.5	0.19
Clothoid	ST	11+30.44	1815554.28	6257165.76	11					
Tangent	ST	11+30.44	1815554.28	6257165.76	11.5	Î Î		1	- 1	
Tongent	TS	15+37.30	1815314.72	6257494.63	1.				1	
Clothoid	TS	15+37.30	1815314.72	6257494.63				1		
Clothoid	SPI	16+27.31	1815261.73	6257567.38	11	135	0°58'01"	Right	67.5	0.19
Clothoid	SC	16+72.30	1815234.63	6257603.3	1					
Arc	SC	16+72.30	1815234.63	6257603.3			2 X 4		10	
Arc	PI	18+05.34	1815154.49	6257709.5	4000	265.97	3°48'35"	Right		
Arc	CC		1812041.64	6255193.98						
Arc	CS	19+38.27	1815067.48	6257810.14					(j. 1	_
Clothoid	CS	19+38.27	1815067.48	6257810.14				1 1	1	
Clothoid	SPI	19+83.27	1815038.05	6257844.18		135	0°58'01"	Right	67.5	0.19
Clothoid	ST	20+73.27	1814978.05	6257911.26	4		Alla			

Element	Point Type	Station	Northing	Eosting	Rodius	Length	Delta / Theta	Rotation Direction	к	P
Tongen t	ST	20+73.27	1814978.05	6257911.26	+ ====					-
Tongen t	TS	22+96.78	1814829.03	6258077.84	12 12					
Clothoid	TS	22+96.78	1814829.03	6258077.84		- r		<u> </u>	-	-
Clothoid	SPI	23+86.78	1814769.03	6258144.92		135	0°58'01"	Right	67.5	0.19
Clothoid	SC	24+31.78	1814738.46	6258177.95		135	0 38 01	Right	07.5	0.1
	1	i en						-		
Arc	SC	24+31.78	1814738,46	6258177,95	1000					_
Arc	PI	25+85.52	1814634.04	6258290.79	4000	307.33	4°24'08"	Right		_
Arc	CC		1811802.62	6255461.18						
Arc	CS	27+39.11	1814521.27	6258395.28					1	_
Clothoid	CS	27+39.11	1814521.27	6258395.28			-			
Clothoid	SPI	27+84.11	1814488.26	6258425.87		135	0°58'01"	Right	67.5	0.1
Clothoid	ST	28+74.11	1814421.22	6258485.92			2014 A.			
Tangent	ST	28+74.11	1814421.22	6258485,92			-		1	-
Tangen†	TS	29+62.32	1814355,51	6258544.77						
Clothoid	TS	29+62.32	1814355.51	6258544.77		-			É.	
Clothoid	SPI	30+52.32	1814288.47	6258604.82		135	0°58'01"	Left	67.5	0.1
Clothoid	SC	30+97.32	1814255.46	6258635.4						
Arc	SC	30+97.32	1814255.46	6258635.4		-				-
Arc	PI	32+51.06	1814142.69	6258739.9	4000	307.33	4°24'08"	Left		-
Arc	CC		1816974.11	6261569,51			1.5/135			-
Arc	CS	34+04.64	1814038.27	6258852.74						
Clothoid	CS	34+04.64	1814038.27	6258852.74				<u>г г</u>	- 1	
Clothoid	SPI	34+49.64	1814007.7	6258885.77		135	0°58'01"	Left	67.5	0.1
Clothoid	ST	35+39.64	1813947.7	6258952.85		155	0 50 01	Lett	01.5	Vel





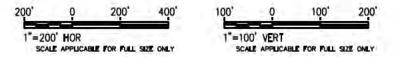
Element	Point Type	Station	Northing	Easting	Rodius	Length	Delta / Theta	Rotation Direction	к	P
Tangen†	ST	35+39.64	1813947.7	6258952.85	1	ir an tíli		= == = = = = = = = = = = = = = = = = = =	: i î i	
Tangent	TS	62+64.00	1812131.34	6260983.36	1	r = r		1 14		
	1		Traine Carro	and an international and a second	_	_		1 1	-	
Clothoid	TS	62+64.00	1812131.34	6260983.36		1				-
Clothoid	SP	63+24.00	1812091.34	6261028.08		90	0° 30' 56"	Left	45	0.07
Clothoid	SC	63+54.00	1812071.54	6261050.61	1000					-
Arc	SC	63+54.00	1812071,54	6261050.61	1		1.11	1		
Arc	PI	68+19,10	1811764.58	6261400.04	5000	927.53	10° 37' 43"	Left		-
Arc	CC	1	1815827.97	6264350.49	1.000	11 2 2 1 1 1				
Arc	CS	72+81,51	1811527.35	6261800.08	1					
Clothoid	CS	72+81.51	1811527.35	6261800.08	-			1 1		
Clothoid	SPI	73+11.51	1811512.04	6261825.88		90	0° 30′ 56"	Left	45	0.0
Clothoid	ST	73+71.51	1811481.9	6261877.77		30	0 50 50	Leil	-15	0.0
				1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -						
Tangent	ST	73+71.51	1811481.9	6261877.77						
Tangent	TS	85+56.62	1810886.6	6262902.51	1		_			
Clothoid	TS	85+56.62	1810886.6	6262902.51	1	1		Î Î	1	
Clothoid	SPI	86+23.29	1810853,11	6262960.15	1	100	0°15'21"	Left	50	0.04
Clothoid	SC	86+56.62	1810836.49	6262989.05						
14.44	SC		1010075 40	C2C2000.05		1		i i		
Arc	PI	86+56.62 96+63.12	1810836.49	6262989.05 6263861.6	11200	2007.61	10°16'13"	Left	-	-
Arc	CC	90703.12	1820545.95	6268571.75	11200	2001.01	10 10 13	Leri	-	-
Arc	CS	106+64,23	1809996.71	6264809.62						-
	1. 1									
Clothoid	CS	106+64.23	1809996,71	6264809,62		A				
Clothoid	SP	106+97.56	1809985,51	6264841.02		100	0°15'21"	Left	50	0.0
Clothoid	ST	107+64.23	1809963.4	6264903.91		والتعتدان				
Tangen t	ST	107+64.23	1809963_4	6264903.91	11 21		-	1 1	1	
Tangent	POE	129+64.22	1809233.67	6266979.35				1	-	



UPRR CONNECTION TRACK PROFILE

Element	Point Type	Station	Northing	Easting	Rodius	Length	Delta / Theta	Rotation Direction	ĸ	Ρ
Arc	PC	0+00.00	1819765.28	6253056.62	· · · · · · · · · · · · · · · · · · ·	15 11				
Arc	PI	0+43.18	1819730.13	6253081.71	949,98	86.3	5°12'18"	Left	1.000	
Arc	CC		1820317.23	6253829.81		11 2011		1		
Arc	PT	0+86.30	1819697.41	6253109.88		1				_
Tangent	PT	0+86.30	1819697.41	6253109.88		11 11		I I	1.1.1	
Tongent	PC	1+61.17	1819640.67	6253158.73						
Arc	PC	1+61.17	1819640.67	6253158.73		0	1.1.1.1	1	1	<u></u>
Arc	P	2+26.22	1819591.38	6253201,17	1600	130.02	4° 39'22"	Right	0.000	
Arc	CC		1818596.75	6251946,2					1.221.616	
Arc	PRC	2+91,19	1819538.8	6253239,47						
Arc	PRC	2+91.19	1819538.8	6253239.47	1	r i		1	111	-
Arc	PI	5+94.04	1819294.01	6253417.78	15983.5	605.62	2°10'15"	Left		
Arc	CC		1828949.58	6266158.82	1					
Arc	CS	8+96.81	1819056.16	6253605.23		4				
Clothoid	CS	8+96.81	1819056.16	6253605.23		1.25	1	1		
Clothoid	SPI	9+46.26	1819017.32	6253635.84	1	77.5	1°37'09"	Left	35,11	0,
Clothoid	SC	9+74.31	1818995.78	6253653.82		1.1				
Arc	SC	9+74.31	1818995,78	6253653,82		1		Í Í		-
Arc	PI	12+41.73	1818790.51	6253825.22	1500	529.28	20°13'02"	Left		
Arc	CC		1819957.17	6254805.23	1					
Arc	CS	15+03.59	1818657.11	6254056.99						
Clothoid	CS	15+03.59	1818657,11	6254056.99			- 	1		
Clothoid	SPI	15+29.43	1818644.22	6254079.39	1	77.5	1°28'49"	Left	38.75	0.
Clothoid	ST	15+81.09	1818619.62	6254124.82	1				은 흔들님 밤	

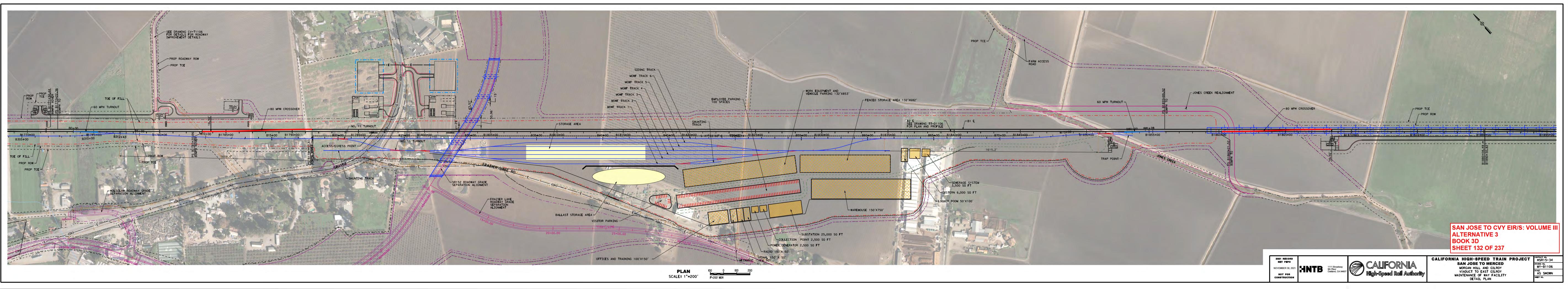
Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	ĸ	Ρ	Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	к	Р
Tangent	ST	15+81.09	1818619.62	6254124.82				1			Clothoid	CS	56+71.16	1815742.24	6257007.22		17				
Tangent	TS	17+49.90	1818539.22	6254273.25			2				Clothoid	SPI	57+17.82	1815713.77	6257044.2	1 1 1 1 1	140	1°15'12"	Left	70	0.
	A							3 S			Clothoid	ST	58+11.16	1815658.47	6257119.39						
Clothoid	TS	17+49.90	1818539.22	6254273.25				1		1											
Clothoid	SP]	18+32.58	1818499.84	6254345.95		124	3° 33'08"	Right	61.99	0.64	Tangent	ST	58+11.16	1815658.47	6257119.39						
Clothoid	SC	18+73.90	1818477.93	6254381.02	_						Tongen t	TS	59+50,18	1815576.09	6257231.38						
Arc	SC	18+73.90	1818477.93	6254381.02	1	1 1		1 1			Clothoid	TS	59+50,18	1815576.09	6257231.38		n i	-	1	-	
Arc	PI	19+78.08	1818422.73	6254469.37	1000	207.61	11°53'44"	Right	-		Clothoid	SPI	60+33.51	1815526.71	6257298.51		125	0°53'43"	Right	62.5	0.
Arc	CC	10110100	1817629.83	6253851.18							Clothoid	SC	60+75.18	1815501.5	6257331.68						
Arc	CS	20+81.51	1818350.51	6254544.45									1								
						•			-		Arc	SC	60+75.18	1815501.5	6257331.68			1.1.1.1			
Clothoid	CS	20+81.51	1818350.51	6254544.45		1					Arc	PI	62+04.00	1815423.56	6257434.25	4000	257.54	3°41'21"	Right		
Clothoid	SP1	21+22.86	1818321.84	6254574.25		124	3° 33'08"	Right	61,99	0.64	Arc	CC		1812316.73	6254911.52						
Clothoid	ST	22+05.51	1818260.94	6254630.17							Arc	CS	63+32.72	1815339.19	6257531.58						
-	ST	22+05.51	1818260.94	6254630.17	r	1 1	-	r	_		Clothoid	CS	63+32.72	1815339.19	6257531.58		<u> </u>		r 1	-	
Tangent	TS	50+50.89	1816165.04	6256554.6	-	1 1	-			1	Clothoid	SPI	63+74.39	1815311.89	6257563.07		125	0°53'43"	Right	62.5	0.
Tangent	13	30+30.85	1010103.04	0230334.0							Clothoid	ST	64+57.72	1815256.33	6257625.17		125	0 55 45	Night	02.5	0.
Clothoid	TS	50+50.89	1816165.04	6256554.6	1			1		6			UNUT			-					
Clothoid	SP1	51+44.23	1816096.29	6256617.72		140	1°15'12"	Lef+	70	0.26	Tangent	ST	64+57.72	1815256.33	6257625.17		1	1 2 2 2 3			
Clothoid	SC	51+90.89	1816062.61	6256650.03				0			Tongent	POE	108+24.95	1812344.52	6260880.02		i		1		
Arc	SC	51+90.89	1816062.61	6256650.03		1		1 1													
Arc	PI	54+31.48	1815889	6256816.58	3200	480.26	8° 35'57"	Left													
Arc	CC	54151,40	1818277.91	6258959.24	5200	100120	0 33 31	Let I													
Arc	CS	56+71.16	1815742.24	6257007.22																	
									-	1		-									
			20	0 2	00' 400	100'	0 10	00' 200'		21 RECORD		-	12 C		CALI					JECT	HSR15
				beed -			لصطح				I I I I I I I I I I I I I I I I I I I	O			1000			E TO MERCI		DF	MY-BC
								DAL SIZE ONLY	NOV	EMBER 30, 2021	Sth Floor									s	CALE
				SCALE APPLICABLE FOR	FULL SALE UNLY	-	JUNE APPLICADLE FOR I	FORE SIZE UNLT	- 0	NOT FOR	Cakland, CA 9460/		High-Spe	ed Rail Authori	W						AS SH
			20	00' 0 20 1"=200' HOR SCALE APPLICABLE FOR	PULL SIZE ONLY	1"=	0 10 =100' VERT scale applicable for 1	FULL SIZE ONLY	8 NOVI	SET PEPD	HNTB Sth Floor Oakland, CA 94607	Ø		ORNIA ed Rail Authori		S VI MA	AN JOSI MORGAN HI ADUCT TO INTENANCE	E TO	MERCI		OMERCED

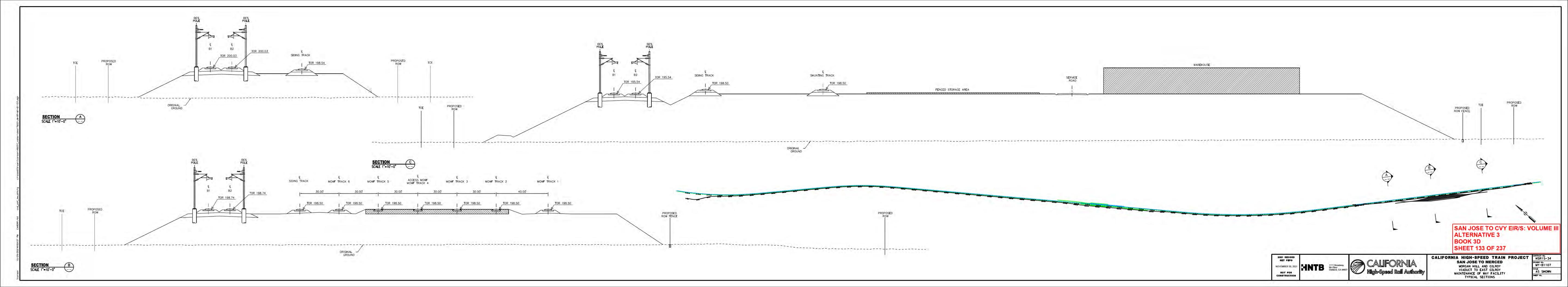


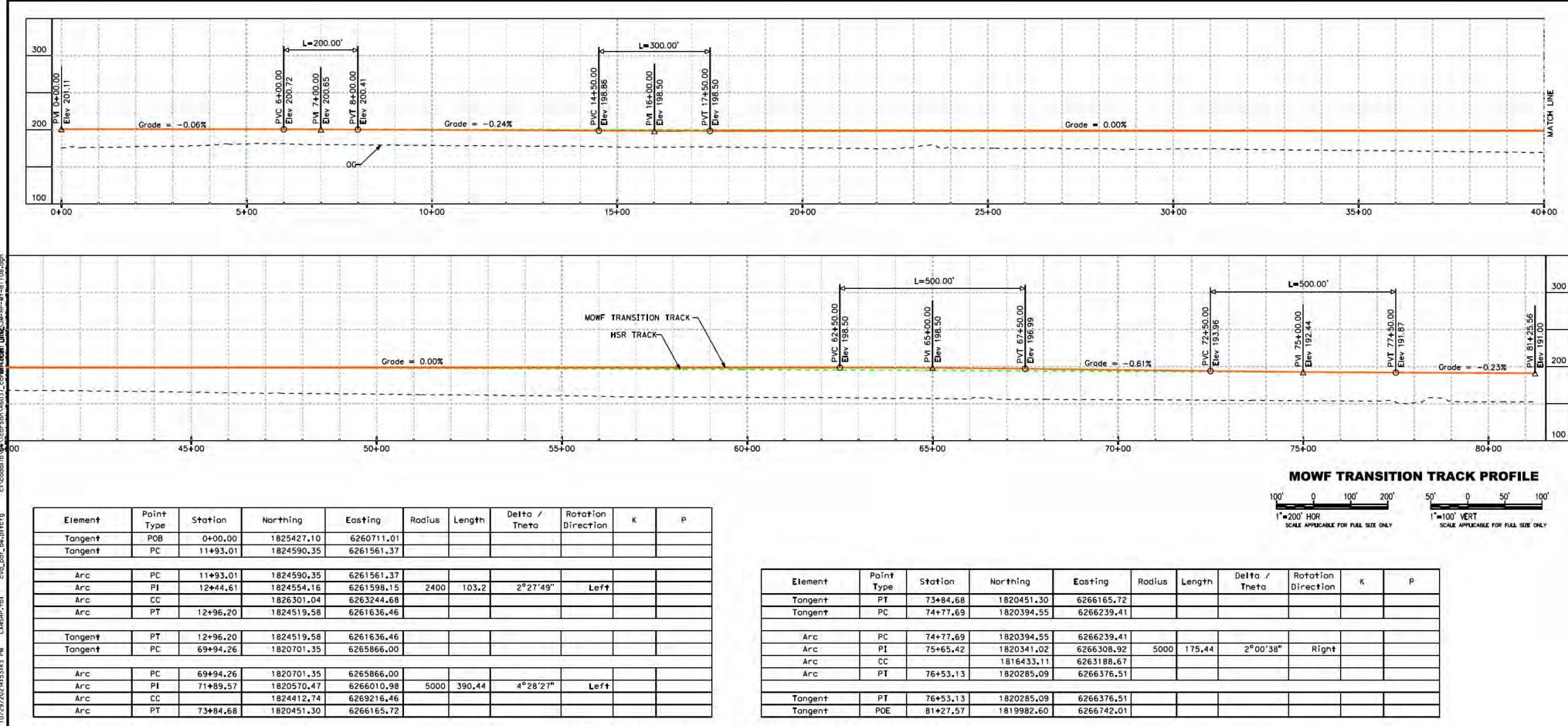
UPRR CONNECTION TRACK HORIZONTAL ALIGNMENT

SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 131 OF 237

VIADUCT TO DOWNTOWN GILROY MAINTENANCE OF WAY FACILITY UPRR PROFILE AND GEOMETRY FOR MOWF







MOWF TRANSITION TRACK HORIZONTAL ALIGNMENT

Element	Point	Station	Northing	Easting	Rodius Length	h Delta / Theta	Rotation Direction	P	Element	Point Type	Station	Northing	Easting R	Rodius Length	Delta / Theta	Rotation Direction	K P	Element	Point Type St	ation	Northing	Easting	Radius Leng	th Delta / Theta	Rotation Direction	K P	Element	Point Type	Station	Northing	Easting	Radius Length	Delta / Theta
Tongent	POB	0+00.00	1848911.24	6240836.91		inero	Direction		Clothoid	TS	60+46.64	1844646.70	6245096.02		inerg	Direction		Clothoid	CS 17	9+11-80	1835244-84	6252301.60		Thero	Direction		Clothoid		223+93.46	1831621.48	6254937.07		inera
Tangent	J	0+34.44	1848879.57					1 A I	Clothoid	SPI	68+62.70	1844080.41		1224	2°11'43"	Right	611.97 3.9	Clothoid	- 73		1835207.07	6252326.07		135 0°17'51	1" Right	67.5 0.06	Clothoid		the local line and do the Press	1831594.61	6254956.81	100	0 0°28′39"
					T. P.				Clothoid	SC	72+70.64	1843786.20			1		1	Clothoid			1835131.28	second and second in the second in the						ST		1831540,55	6254995.83		
Tongent	PI	0+34.44	1848879.57	6240850.46																										1			
Tongen t Tongen t	TS	1+17.98	1848879.57 1848806.89	6240891.62					Arc	SC	72+70.64	1843786.20	6245966.37 6246531.39 1 6234450.09		1	LD		Tongent	ST 18	0+46.80	1835131.28 1835098.17	6252374.61		the second			Tongent	ST	224+93.46	1831540.55	6254995.83 6255000.32		
					2				Arc	PJ	80+86.05	1843198.28	6246531.39 1	5972.5 1629.41	5° 50' 42"	Right		Tangént	TS 18	0+86.12	1835098.17	6252395.81		n in the Film			Tongen t	TS	225+01.13	1831534.33	6255000.32		
Clothoid	TS	1+17.98	1848806.89 1848728.55 1848691.05	6240891.62			1	512 i	Arc	CC		1832718.40	6234450.09 6247033.60											1)	- C					1
Clothoid Clothoid	SPI	2+08.00	1848728.55	6240935.98	13	4°04'16"	Left 6	7.49 0.8	Arc	CS	89+00.04	1842555.88	6247033.60				· · · · · · · · · · · · · · · · · · ·	Clothoid	TS 18 SPI 18	0+86.12	1835098.17	6252395.81			5" Left	67.5 0.15	Clothoid Clothoid	TS SPI SC	225+01.13	1831534.33	6255000.32		
Clothoid	SC	2+52.98	1848691.05	6240960.89						1			1 Antenna and	1		1: 1·		Clothoid Clothoid	SPI 18 SC 18	1+76.12	1835022.38	6252444,35		135 0° 46'25	5" Left	67.5 0.15	Clothoid	SPI	232+54.48	1830923.49 1830622.58	6255441.23 6255667.81	1130	0 1°09'25"
1		0.50 on [1010501 05	5240050 00	en:	141	1 15		Clothoid	CS			6247033.60	1004	0044/478	Diskt	611.97 3.9		SC 18	2+21.12	1834984,82	6252469.13					Clothoid	SC	236+31.13	1830622.58	6255667.81		A
Arc	SC	2+52.98		6240960.89		5 17°17'17"	Lef+						6247284.92 6247762.54	1224	21143	Right	611.97 3.9		1 50 1 10	2421 12	1074004 02	5252450 13	- 1 -		1		450	50	376+31 13	1030633 60	6355667 B1		1
Arc	PI CC	3797.40	1848570.75	6241752.23		5 17 17 17	Lett		ciomola	51	101724.04	1041572.71	0247702.04		1	A + + 0)		Arc	SC 18 PJ 18		1834984.82		5000 142	.99 1°38'19	o ⁿ loft		Arc	SC PI		1830622.58		27982.5 4781.28	0°47'24"
		5+39.49	1848479,63	6241152.84					Toppent	ST	101+24.04	1841572.71	6247762.54		PT-	1		Arc	CC 11	2+52,02				1 30 13	5 Leil		Arc	CC					3 1 21
		5.55.45	1010110.00	0211132101	- D	*g. •	1 - 1		Tongent	TS	124+10.14	1839719.05	6247762.54 6249100.53			1	-	Arc	CS 18	3+64.10	1837737.95	6252549.56					Arc	CS	284+12.41	1847454.66 1827066.69	6278021.81 6258855.41		1
Clothoid	CS	5+39.49	1848479.63	6241152.84		1	1	1.1					1 minute	-					1 1					1							and a second second		-
Clothoid	SPI	5+84.51	1848479.63 1848451.22 1848399.52	6241187.77	13	4°04'16"	Left 6	7.49 0.8	Clothoid	TS	124+10.14	1839719.05	6249100.53	1 1 1 1		1		Clothoid	CS 18	3+64.10	1834866.60	6252549.56	1	- 100 F	1		Clothoid	CS	284+12.41	1827066.69	6258855.41		1
Clothoid	ST	6+74.49	1848399.52	6241261.47				2 T	Clothoid	SPI	125+00.14	1839646.08	6249153.20	135	0°07'44"	Right	67.5 0.03	Clothoid	SPI 1	4+09.11	1834829.76	6252575.40	1.1.1	135 0°46'25	5" Left	67.5 0.15	Clothoid	SPI	284+12.41 287+89.09 295+42.41	1826808.69	6259129.86	1130	0 1°09'25
						11			Clothoid	SC	124+10.14 125+00.14 125+45.14	1839609.53	6249179.46			1		Clothoid	ST 18	4+99.10	1834756.78	6252628.08					Clothoid	ST	295+42.41	1826303.87	6259689.05		J
Tangent	ST	6+74.49	1848399.52	6241261.47												ý s		11 million - The Province									· · · · · · · · · · · · · · · · · · ·						
Tangent	TS	8+88.44	1848276.66	6241436.63				1	Arc	SC	125+45.14		6249179.46		1			Tangent			1834756.78	6252628.08				Y	Tangent	ST	295+42.41	1826303.87	6259689.05		
				1.				I. (]I	Arc	PI	126+17.22		6249221.51	30000 144.16	0°16'31"	Right		Tangent	TS 21	2+70.27	1832509.81	6254249.96		The Day			Tangen t	TS	307+84.72	1825471.41	6260611.19		
Clothoid	TS	8+88.44	1848276.66	6241436.63			1		Arc	CC			6224814,87										1					-					
Clothoid Clothoid	SPI	9+65.12	1848232.63	6241499,40	11	5 2°44'44"	Right	57.5 0.46	Arc	CS	126+89.30	1839492.25	6249263.28	1	1 I I I I I I I I I I I I I I I I I I I			Clothoid			1832509.81				A1.1		Clothoid	TS	307+84,72	1825471.41			-
Clothoid	SC	10+03-44	1848209.13	6241529.70				A 41 28 30 A 4		1 ar			1 veveere en 1	1		i - i	10	Clothoid	SPI 21 SC 21	3+90.27	1832412.51	6254320.19		180 1001-53	3" Left	90 0.27	Clothoid Clothoid	SPI	308+38.05	1825435.67	6260650.77	80	0 0°55'0
122.	60	10107 441	1040200 17	6241520 70	1	1 C	1		Clothoid Clothoid	CS SPI	126+89.30	1839492.25		170	0907144	Diant	67.6 0.03	Clothoid	SC Z	4+50.27	1832364.50	6254356.18					Liothoid	SC	308+64.72	1825418.12	6260670.85		4
Arc	P	10+03-44 10+89-62	1848209.13 1848156.32	6241529.70 6241597.80	1200 172 0	5 8°12′53"	Right		Clothoid		127+34.30	1839455.58	6249289.36 6249341.35	133	0°07'44"	Right	01.5 0.03	Arc	SC 21	4+50.27	1832364.50	6254356.18	1	1	1	1	Arc	SC	308+64.72	1825418.12	6260670.85		1
Arc	CC	10-03-02		6240794.32		5 8 12 55	Right		ciomolo	31	120724.50	1039302.12	0249541.55					Arc	P1 21		1832346.82			19 0° 30'23	3" Left		Arc		309+09.73	1825388.50	6260704 74	2500 90.02	2°03'4
Arc		11+75.44	1848094.33						Tangent	ST	128+24.30	1839382.12	6249341.35			1 1		Arc	23		1835363.35	6258357.04		0 50 25	5 LG/1		Arc	CC 23	505.05.15	1827300.38	6262316.18	2300 50102	2 00 4
				S FRA IL SHE LEADS			* *		Tangent			1839147,77	6249507.21			·		Arc	CS 21	4+94.46	1832329,26		100			1		CS	309+54.73	1825360.11	6260739.68		1
Clothoid Clothoid	CS	11+75.44	1848094.33	6241657.65	í – 1	U.L.			Contract of the				1		*				3						· · ·	- 8			and the second di				4
Clothoid	SPI	12+13.78	1848066.74	6241684.28	11	5 2°44'44"	Right	57.5 0.46	Clothoid	TS	131+11,40	1839147,77	6249507.21 6249559.21 6249585,29		1 =1			Clothoid	CS 21	4+94.46	1832329.26	6254382.84					Clothoid	CS	309+54.73	1825360,11	6260739.68	1. A. S.	
Clothoid	ST	12+90.44	1848009.09	6241734.83		A = = = + i		5 4 C	Clothoid	SPI	132+01,40	1839074,31	6249559,21	135	0°07'44"	Left	67.5 0.03	Clothoid	SPI 21	5+54.46	1832329.26 1832281.57	6254419,25	- 6 M 3	180 1°01′53	3" Left	90 0,27	Clothoid	SPI	309+81.39	1825343.30	6260760.37	8/	0°55'00
							8		Clothoid	SC	132+46,40	1839037.63	6249585,29	- 10				Clothoid	ST 21	6+74.46	1832187.51	6254493,77		11.	411		Clothoid	ST	310+34.73	1825310.33	6260802.30		
Tangent	ST	12+90.44	1848009.09 1847897.16	6241734.83																													
Tangen t	TS	14+39.31	1847897.16	6241832.98	L	A		- 4	Arc	SC	132+46.40	1839037.63			10.000			Tangent	ST 21	6+74.46 1+24.44	1832187.51	6254493.77					Tangen t	ST	310+34.73 312+08.07	1825310.33	6260802.30		
	1				i i		n	1	Arc	PI	133+52.23			30000 211.66	0°24'15"	Lef+		Tangent	TS 22	1+24,44	1831834.82	6254773.22		1 A			Tangen t	PI	312+08.07	1825203.19	6260938.56		-
Clothoid	15	14+39.31	1847897.16 1847829.49 1847795.76	6241832.98		0911120	1.44	7.5 0.04	Arc	22	134+58.05	1856423.69			(Clatheid		1.04.44	1071074 00	COF 4777 00	100	1	1 1	1	Turrent	1	712100 07	1005007 10	C2C0020 EC	<u> </u>	1
Clothoid Clothoid	SPI	15+29.31	1847829.49	6241892.32 6241922.10	1.3	0°11'36"	Lef† (57.5 0.04	Arc	P1	134+58.05	1838865.58	6249708.56					Clothoid	IS 24	1+24,44	1831834.82 1831782.57	6254773.22		00 0020'30	9" Right	50 0.07	Tangent	PI POE	312+08.07	1825179.03	6260938.56 6260963.12		1
clothold	56	10+/4.3/]	1041195,10	0241922.10		-14 L			Toogent	PT	134458.05	1838865 58	6249708 56	1	1	Î I	1	Clothoid	SPI 22 SC 22	2+24.44	1831756.27			0 28 35	s Right	.0.07	Tungent	PUE	512742.51	1625179.05	6200903.12		-
Arc	SC	15+74.31	1847795.76	6241922.10				101	Tangent	TS	171+89.03	1835840.36	6249708.56 6251892.18		1				50 11		1031130621	0234033410				4							
Arc	PI	23+46.89		6242433.42	20000 1544.3	8 4°25'28"	Lef†						b second and					Arc	SC 22	2+24.44	1831756.27	6254835,10		1									
Arc	CC		1861032.47	6256915.08				1. 1. 201	Clothoid	TS	171+89.03	1835840.36	6251892.18	1 (1) (m)				Arc		3+08,95	1831689.59	6254887.04	6000 169	.03 1°36′51	1" Right	1 THE 1 1 1 1							
Arc	CS	31+18.69	1846678.61	6242987.89		1		11.1	Clothoid	SPI	172+79.03	1835767.39		135	0°17'51"	Right	67.5 0.06	Arc	CC	1.12	1828069.43	6250101.48										SAN	JOSE TO
									Clothoid	SC	172+79.03 173+24.03	1835730.76	6251971.01					Arc	CS 22	3+93.46	1831621.48	6254937.07					10					AL TI	DALATIN
Clothoid	CS	31+18.69	1846678.61	6242987.89					1						2	12										V I	20					ALTE	RNATIV
Clothoid	SPI	31+63.69	1846678.61 1846647.27 1846584.82	6243020.18	13	0°11'36"	Left	57.5 0.04	Arc	SC	173+24.03	1835730.76	6251971.01																			BOO	K 3D
Clothoid	ST	32+53.69	1846584.82	6243084.99					Arc	PI	176+17.96	1835491.54	6251971.01 6252141.80 6241390.75	13000 587.77	2° 35'26"	Right		8 -														CUE!	ET 134 O
		anima sull		Caracteriot.	T D				Arc	CC																						SHEL	.1 134 0
Tongent	ST	32+53.69	1846584.82	6243084.99			<u> </u>	- U - E	Arc	CS	179+11.80	1835244.84	6252301,60					1															
Tungent	13	00740.04	1044040.10	6245096.02				- 1511																		2021 RECORD SET PEPD					I CAL	LIFORNIA HI	GH-SPEED

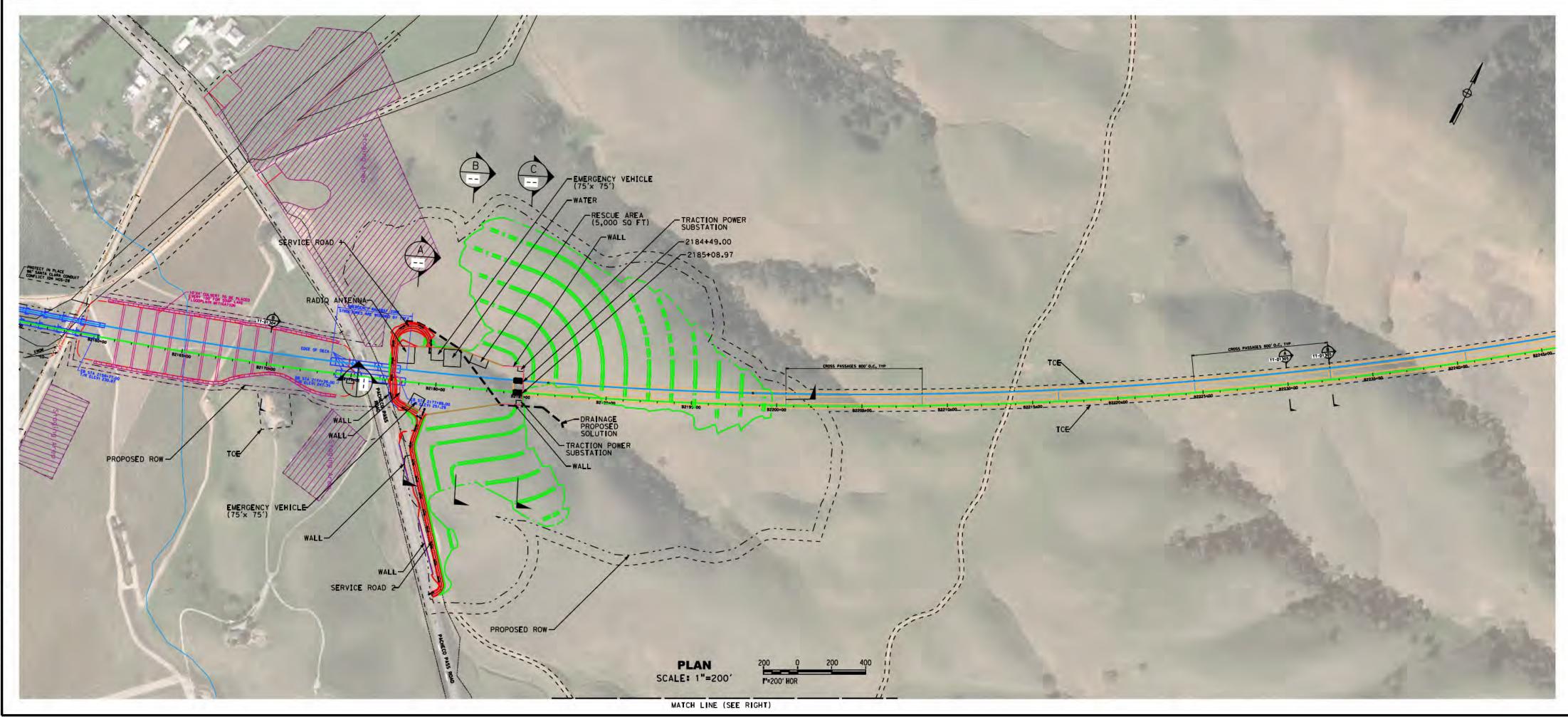
UPRR CONNECTION TRACK HORIZONTAL ALIGNMENT

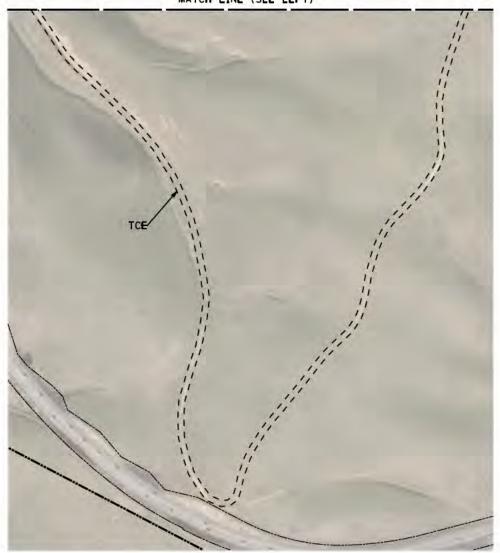


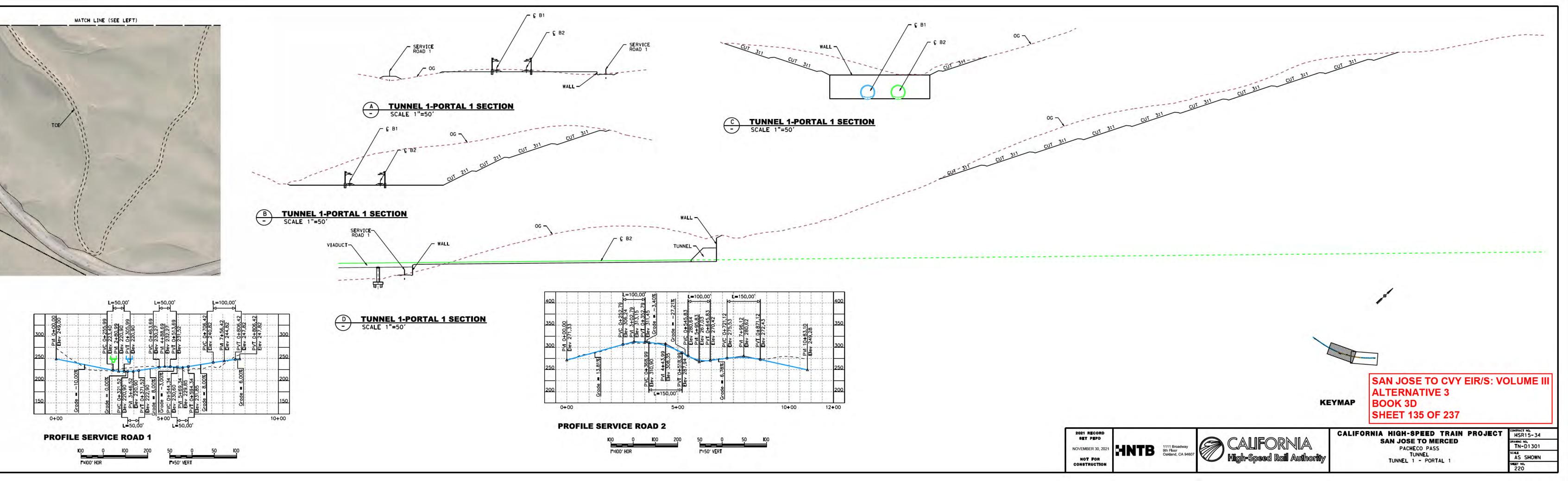
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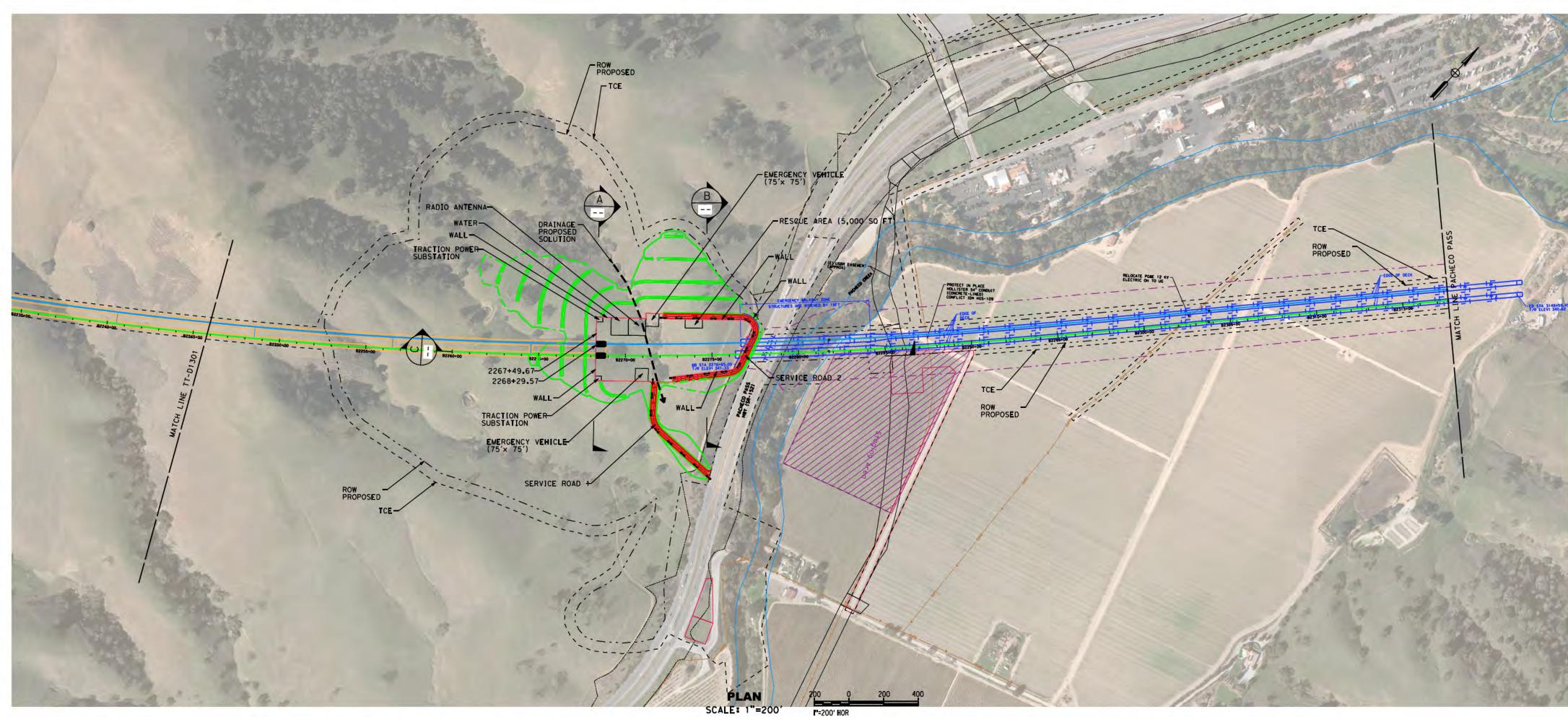
SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO EAST GILROY MAINTENANCE OF WAY FACILITY MOWE TRANSITION TRACK PROFILE AND GEOMETRY

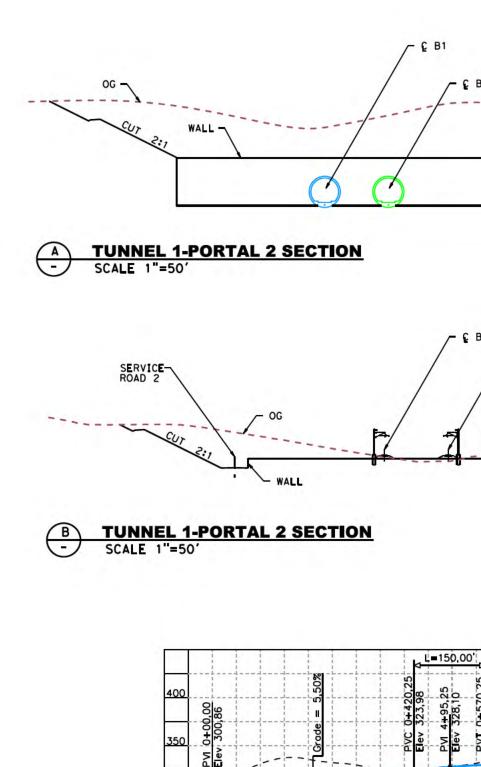
NOVEMBER 30, 2021 NOT FOR ORBARD STRUCTION

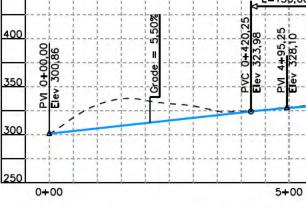




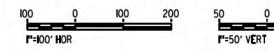


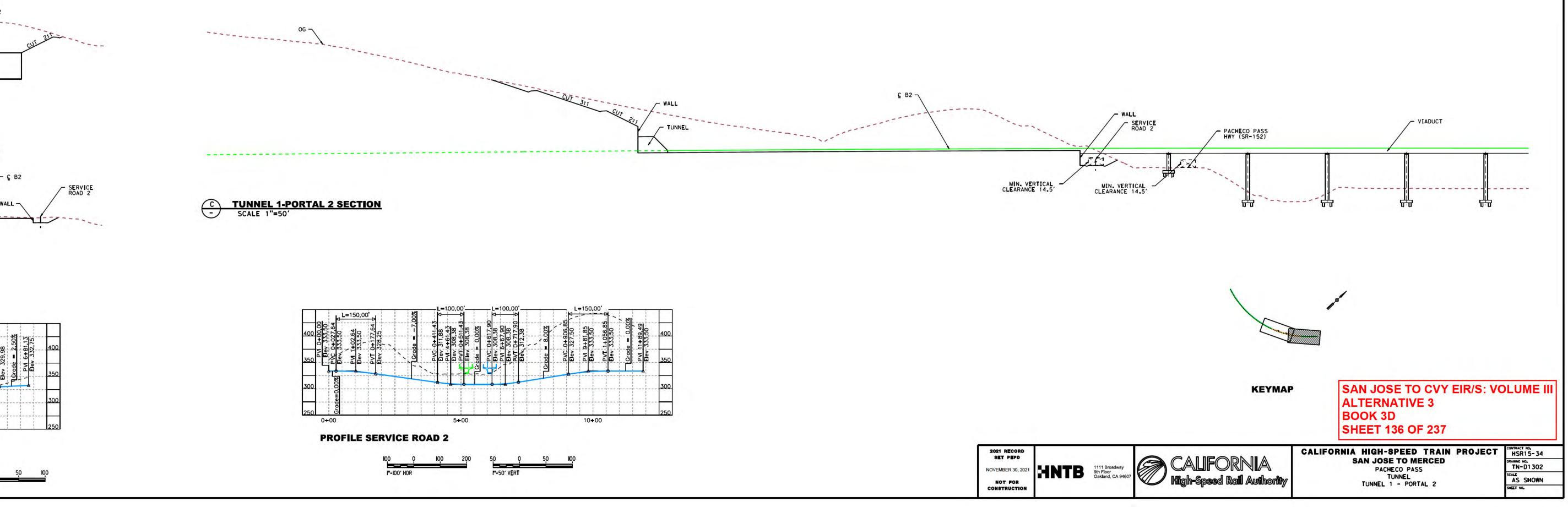


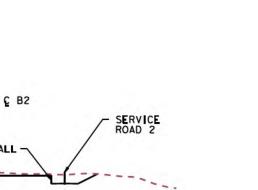




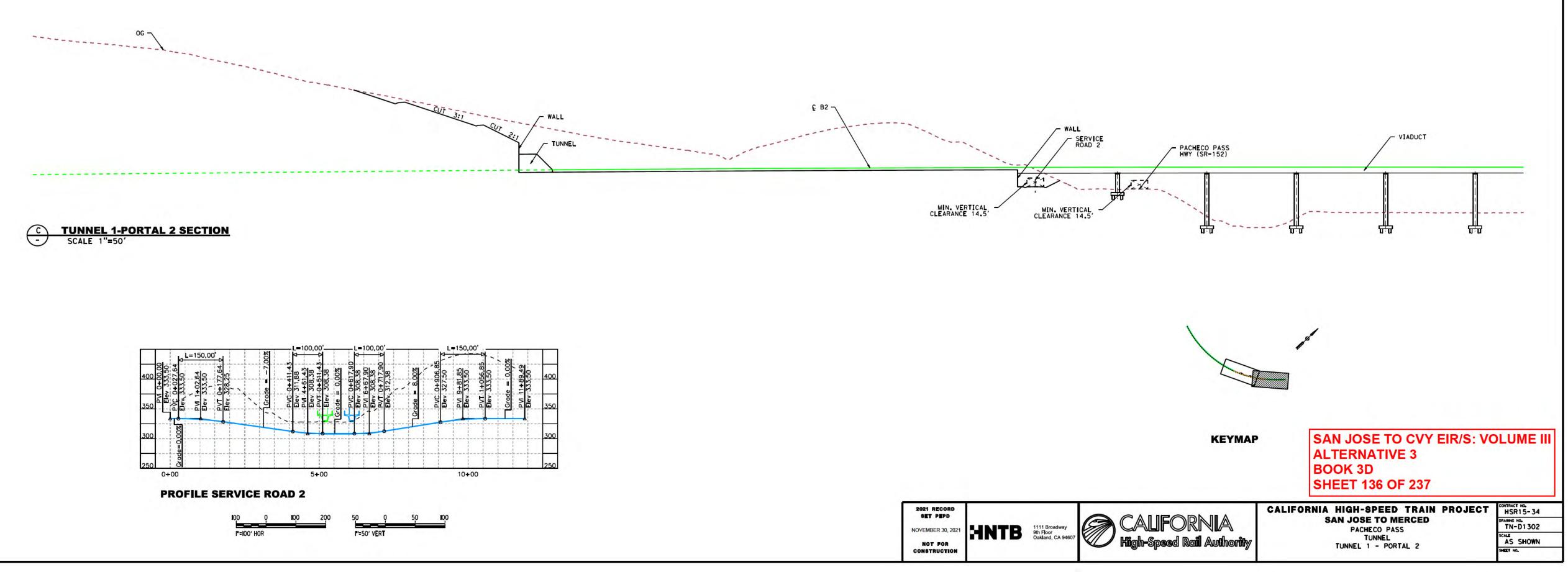
PROFILE SERVICE

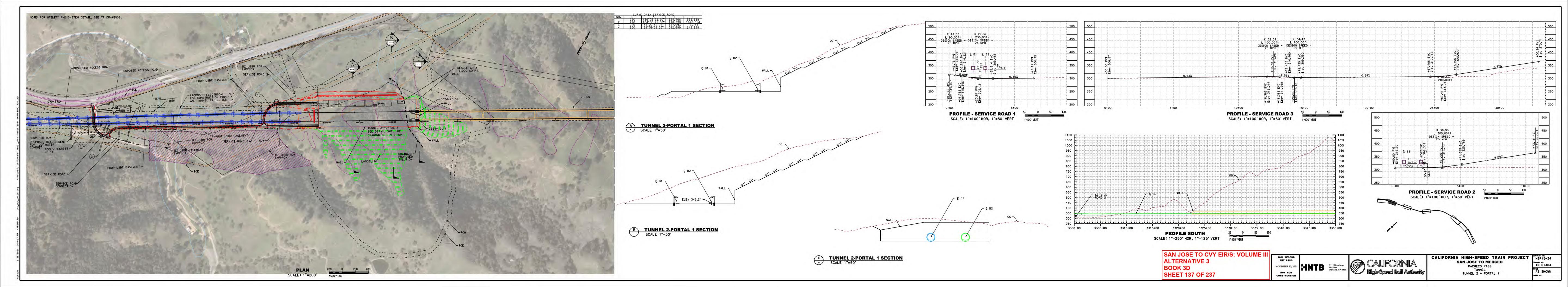


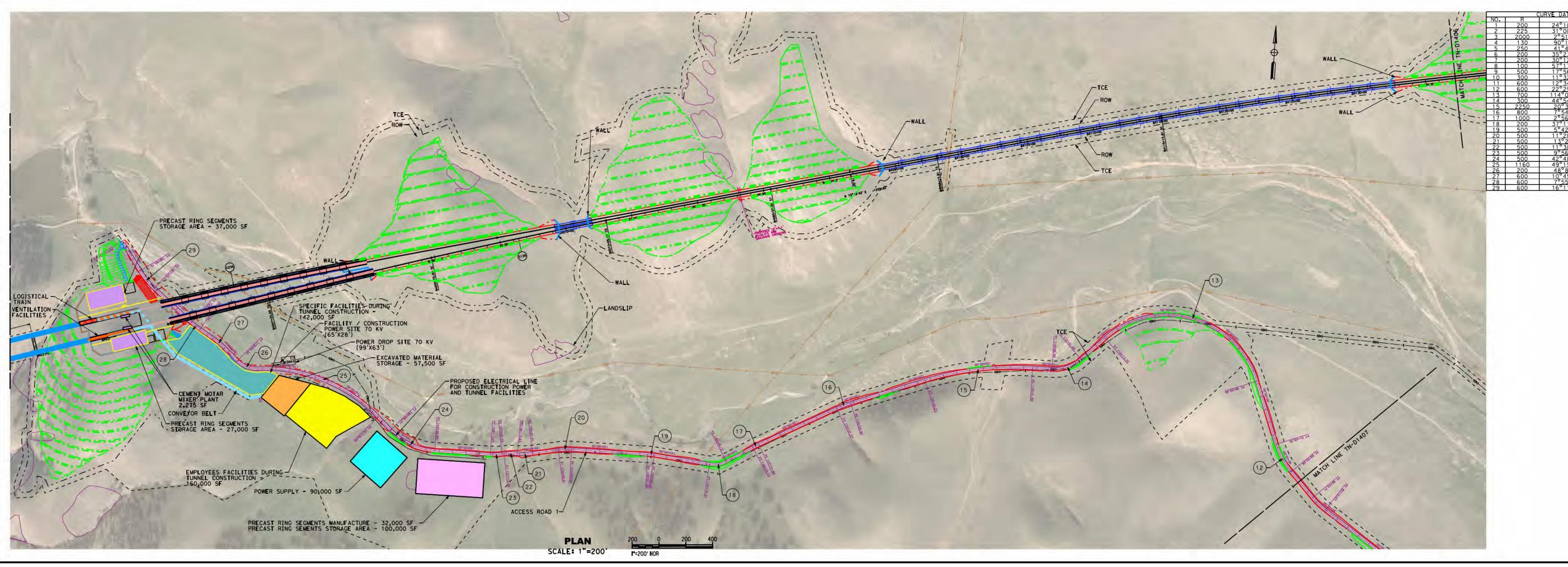










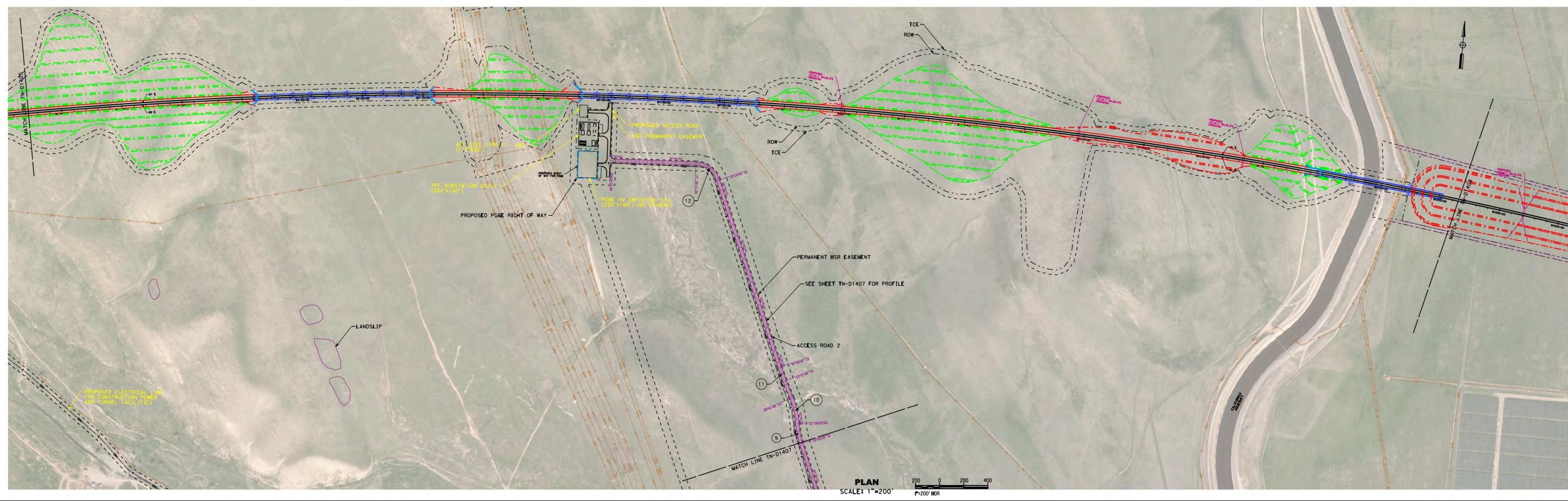


Δ		I. I.
26.32	84.383	42.829
20 32 '52 48 53 24 43 45 29 13	121,794	62,429
53 24	147.555	73.811
43.45	204,269	130.065
29.13	179.222	93.657
39.02	123,549	63,817
48 85 44 81	105.465	53.990
44 81	202.813	160.667
40.21	156.595	78.944
59 99	60.476	30.341
28.71	131,681	66,106
22 90	235.512	119.291
15.65	1393.23	1078,682
23.37	235.130	229.158
7 01	810.311	409.592
32 18 33 16 55 44 16 30 43 58	110.430	55.303
3 16	51.357	25.684
55.44	129.848	67,305
6 30	49.854	21.948
43.58	100.171	50.254
55.88	113.819	57.157
23.37"	100,413	50.376
33.07	86.765	43.492
20 04	373.549	195.976
53.32	997,406	531,883
53.32 25.14	168.041	89.339
46.18	112,708	56,520
26 72 57 94	82.981	41.557
57.94	169.640	85,390

00				1	K 50.41 L 250.00f DESIGN SPEED =		K 18.72 L 150.00f ESIGN SPEED =	+							K 21.88 -L-175.00f N SPEED =											800
			ومليط ويلميا وم	i i i i i i	DESIGN SPEED =		ESIGN SPEED =	25 MPH	in the second			Landard and Landard La		DESIC	IN SPEED =	25 MPH	al minim	L. L. I.	K 28.57	ind and the last	K 53.00	India la la	اصل السلاسا	-lalated	d le	
00		K 200 00		K 45.08		K 17.67	K	493.00					K 80.00 300.00ft GN SPEED =	1.1.1	1.1.1	K 25.00 L 150.00f	+	DE	K 28.57 L 200.00 IGN SPEED =	25 MPH	K 53.00 L 200.00ft DESIGN SPEED =	25 MPH				700
	L 200.00ft	L 200,00ft		K 45.08 L 150.00ft ESIGN SPEED =	1	ESIGN SPEED =	DECION	300,00f+ SPEED = 25 MPH	1		1	DES	GN SPEED =		DESI	GN SPEED =	25 MPH	1							4	4
<u></u>	L 200.00f+ DESIGN SPEED = DE 25 MPH	K 200.00 L 200.00ft ESIGN SPEED = 25 MPH		25 MPH	-	25 MPH					<u></u>		25 MPH	100	20 20	11 VC 063 312	-80 -80	2	BVC 054	PVI 1.20	BVC .339 .100				PV	60
10.3		N	- 98	324 010	1 83 83 405 VC	295 295 59	25 25 08	80 80	22	•55	- <u>92</u>	N N N N N N N N N N N N N N N N N N N	4 4	PV 33.	PV PV	07 05 07	422 422	8	42 42 61	43	122 122 122	I I		l L	×-1	1
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	332	34 I	34	3002	07.0	3410	00 00 00 00 00 00 00 00 00 00 00 00 00	· 00		4 >	× >		6 -	10. 10.	8. 8.	14. 16V	Ele	÷	+ Ele +	и + Ш	ш+ ц+ ш+					
1000		e . 0	57. ev	91. ev	75. 75. 25.	ev ev	26 Z6	1e 50				PG 📫		÷Ψ	÷⊒ +		50%	2.00%	-3.00% 4	00% -2	.01%		1.77%			
		2 +	····	+ + + +	+ W + W +	+ w + w	1 12 45% 0.56		17%	-0.50%		75%	4.50	φ -1.50	2 0 4 P	4 6 6 4 6										
	ep.50% 2.50%		<u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>	-546 4 6-134	A G. 00% 4 6	296 4 0								m N	τ u	V 4	08 08		VC 500	197	33-	have been been been been been been been be	at his proper process processing at hereig	and a start of a start of the s		
				N-0		9 0	00 084 C	HS	200	12		7 6	VI 65	31 21	62 62	3 91	E .38	E O B	9 6 24	а <u>са п</u>	20. 20.					3
	H - 4	525 525 625	31 31 31	BV(B	080 IN	B 1.2	9 0 0 0	71-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	8-6 	0 0 0		8 8	P 83	050	1000	40	411	480	36 36	018	28					
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1	33	37		60		ec -	ev.	60	6 4 6 4	68 Jev			+81 Ele	le 40	16 12 + 6	E + 122	¥	2 - 10	+ -+	+@+ @	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	t I I		1 1 1	10.0
-	e 688	75 ev	Ele Ele Ele	E +1		4 H H	: 귀급 귀급	Ψ					- and the same is some first of	33.33	K 2	1.09	K 80.00	K 40	.00	K 16.65					1	
		+ @ :- + 4 <u></u>	K 98.04	K	23-22	K 1 15	8.71 0.00f+	(L 200.00 DESIGN SPE 25 MP	K 240.0))f †			33.33 200.00ft GN SPEED = 25 MPH	K 2 L 168 DESIGN 25	3-75ft	K 80.00 L 200.00f DESIGN SPEE	K 40 L 200 D _ DESIGN 3	PEED = DES	K 16.65 100.00f+ IGN SPEED =						
			K 98.04 L 200.00f1 DESIGN SPEED 25 MPH		23.22 50.00ft SPEED =	DESIGN SP	0.00ft ED = 25 MPH		DESIGN SP	ED DESIGN SP	ED =		DESI	SN SPEED =	DESIGN 25	SPEED =	25 MPH	25 1	APH	25 MPH			in the product of	a designed and a second		19-14-1-
_			25 MPH		MPH		1												100.00							
	70+00 75+00	80+00	85+00 25 MPH 90	+00	95+00	00+00	105+00	110+00	115+00	120+00 1	25+00 130	+00 135+	1 1	40+00	145+00	150+0	15	5+00	160+00	165+00	170+00	175+00	180+00	185+00	190+00	
												PROFILE A	CCESS	ROAD 1	125	0 125	250									
												SCALE: 1 =25	O' HOR. 1"	=125' VERT	"=125' VER											

					1	SAN JOSE TO CVY EIR/S: VC ALTERNATIVE 3 BOOK 3D SHEET 138 OF 237	OLUME II
2021 RECORD SET PEPD NOVEMBER 30, 2021	UNTO	1111 Broadway	Ø	CALIFORNIA	CALIFORM	NIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1405
NOT FOR Construction	HNTB	1111 Broadway 9th Floor Oakland, CA 94607		High-Speed Rail Authority	1	TUNNEL TUNNEL PORTAL 2 ACCESS ROAD	SCALE AS SHOWN SHEET NO.

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



NO.	R	Δ		T
1	50	17°35′37.70"	15.353	7.738
2	500	7°18′48,17	63,821	31,954
3	500	12°26′28.27"	108.57	54.499
4	500	10°56′19.97	95,460	47.875
5	500	15°46′2.20	137.595	69.235
6	500	10°01′23.19	87.468	43.846
7	292	19°16′47_16	98 278	49,608
8	2000	5°50'22.16	203.837	102.007
9	700	13°54′36_03	169,943	85,391
10	700	17°43′12.56	216.493	109.117
11	2000	3°30′18,39"	122.351	61,195
12	200	69°44′2.74	243,418	139.351

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

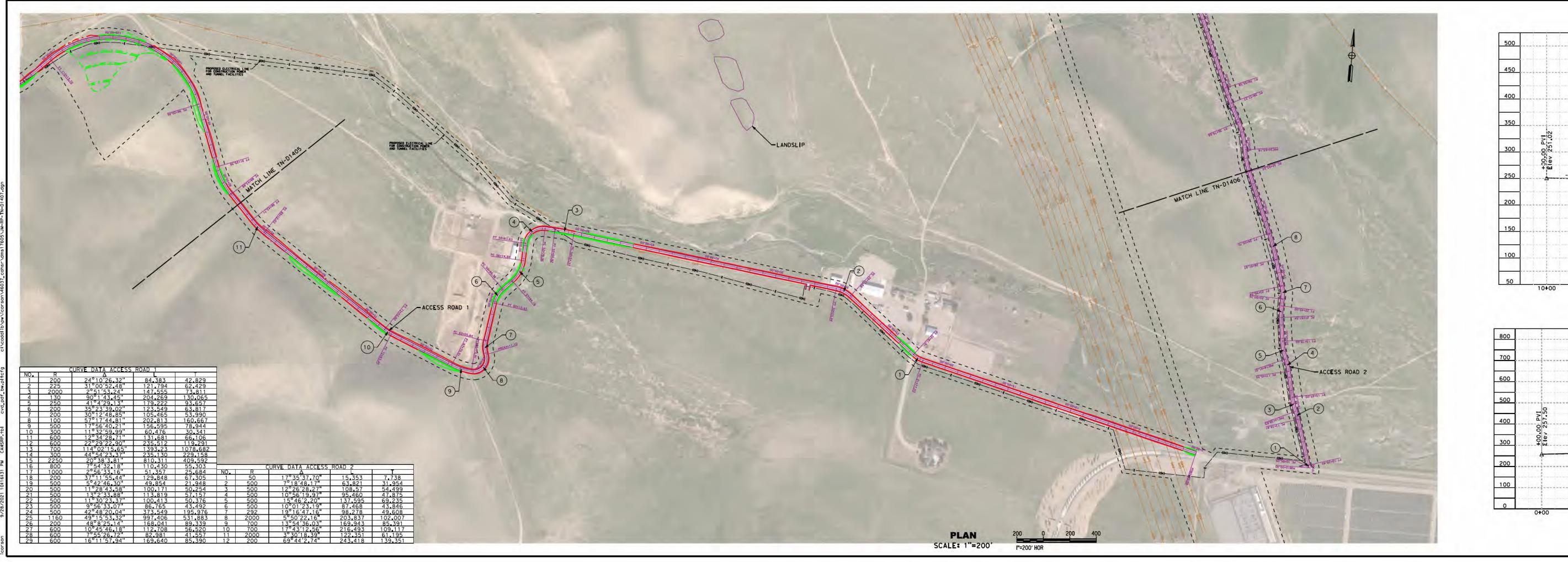
SAN JOSE TO CVY EIR/S: VOLUME III ALTERNATIVE 3 BOOK 3D SHEET 139 OF 237

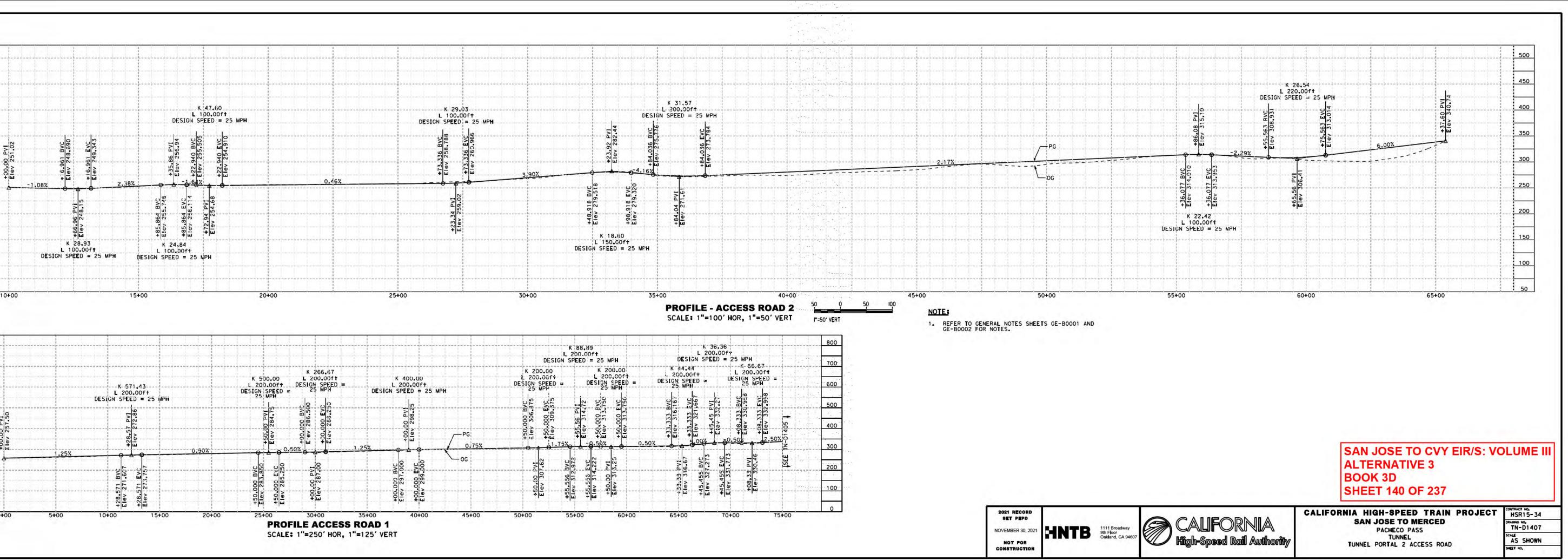
2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION

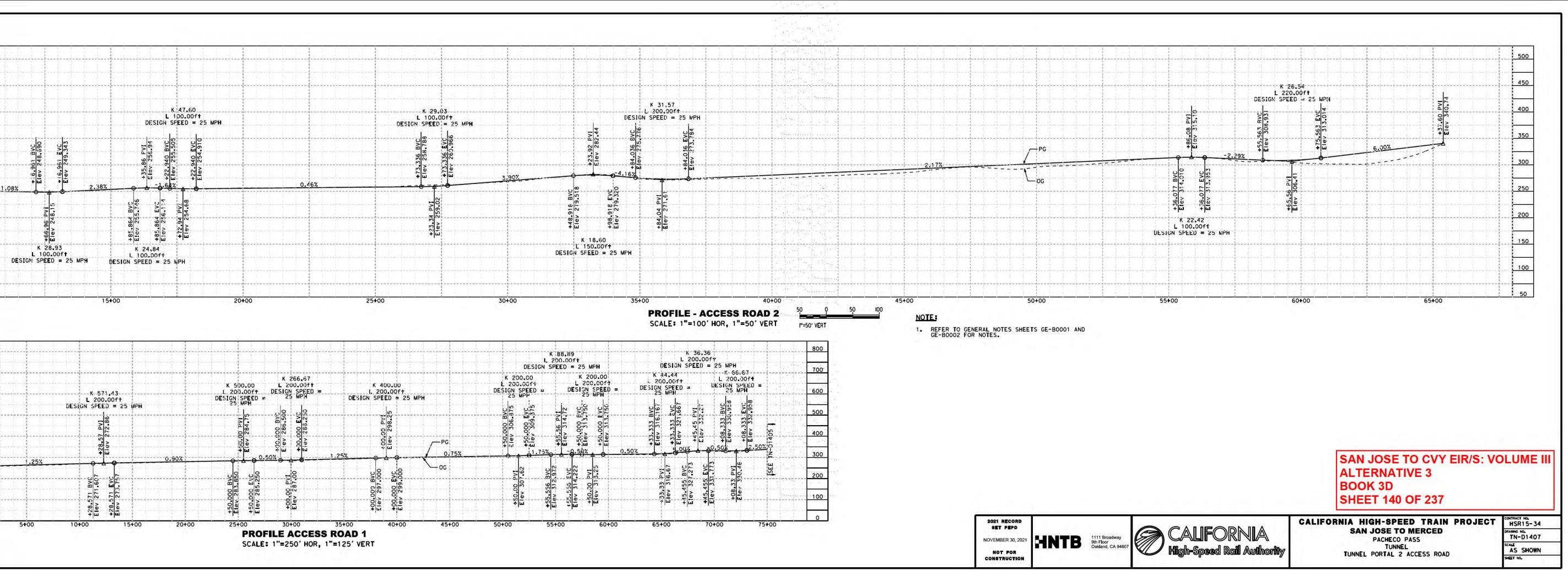
CALIFORNIA High-Speed Rail Authority

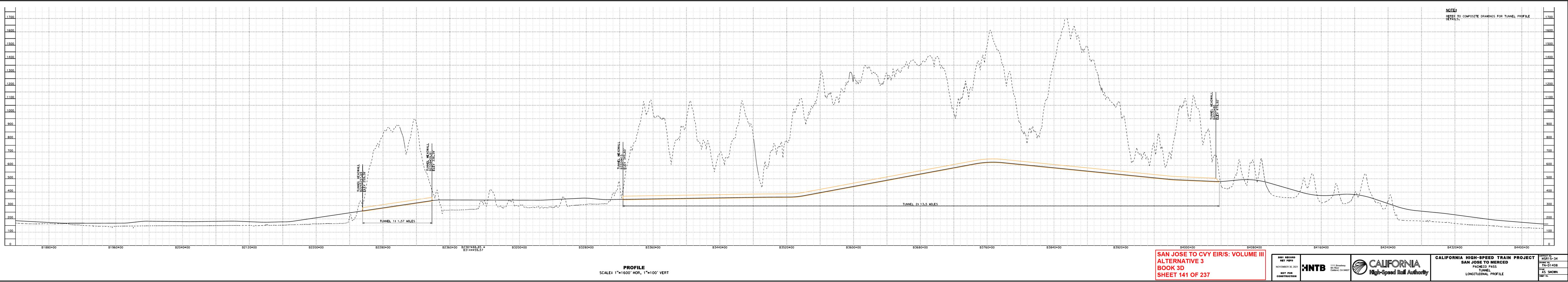
CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL TUNNEL PORTAL 2 ACCESS ROAD

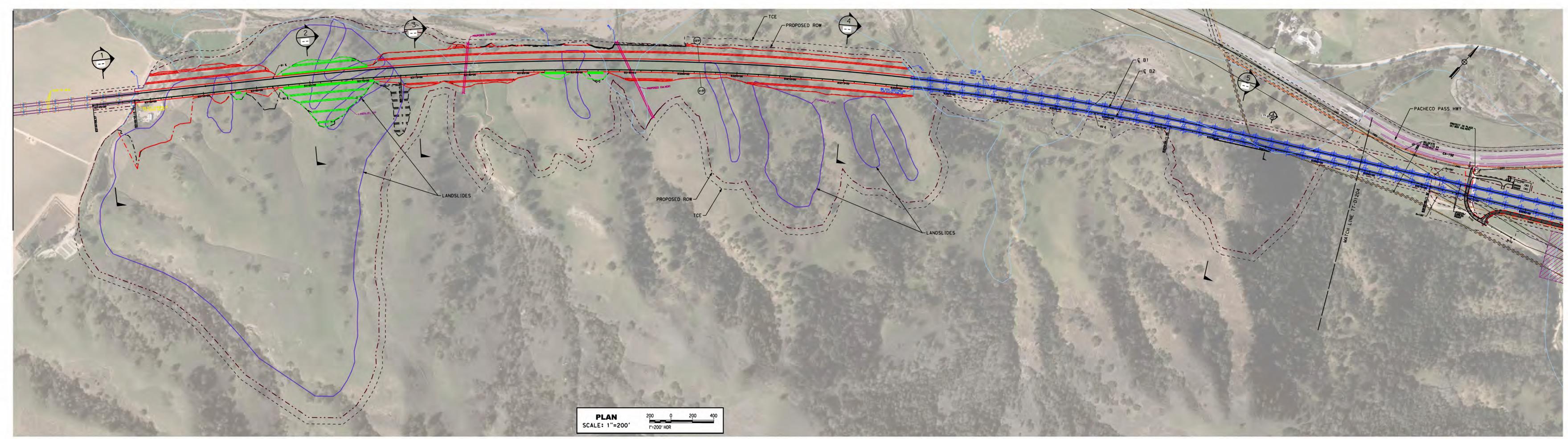
AS SHOWN

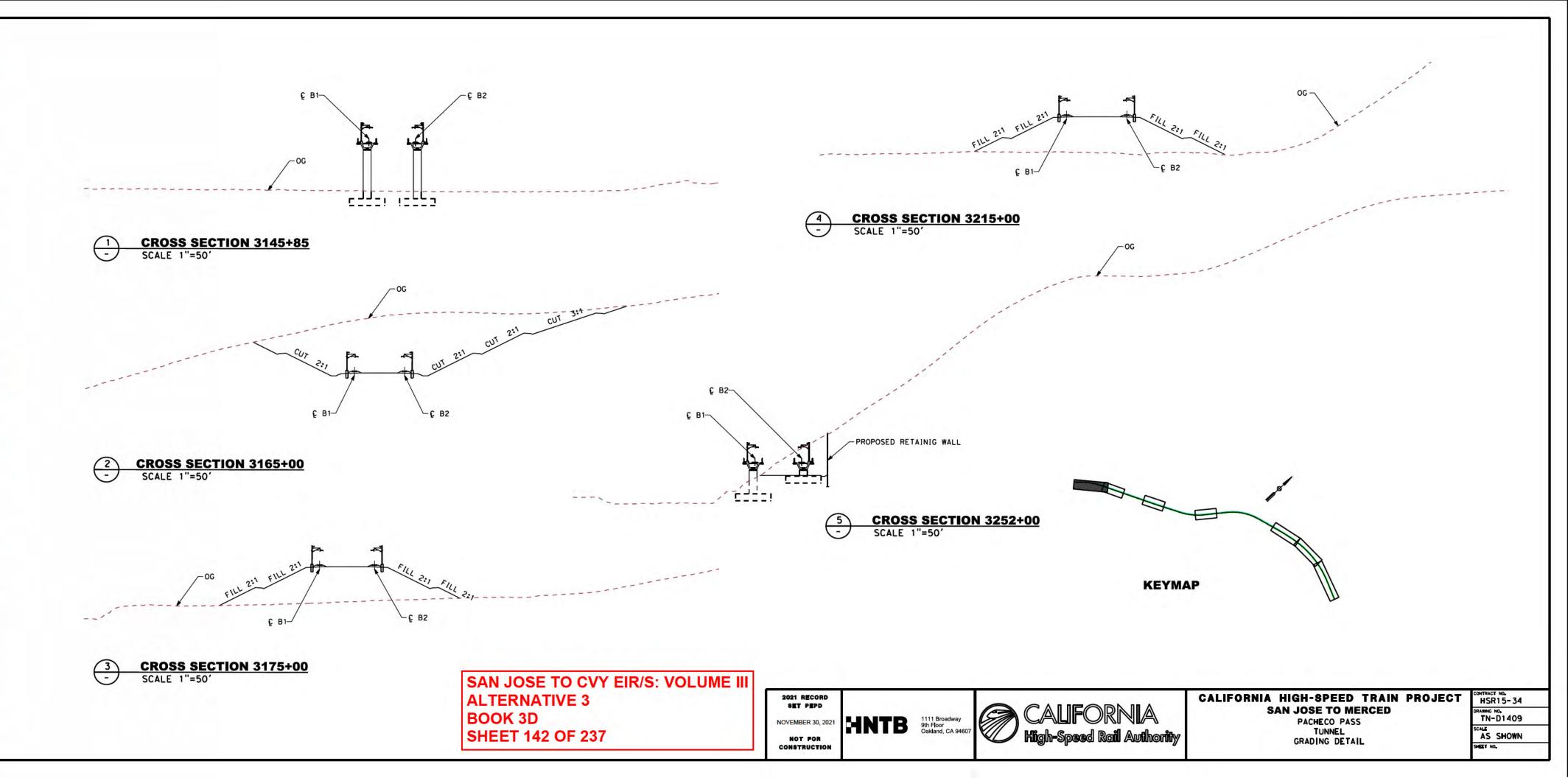


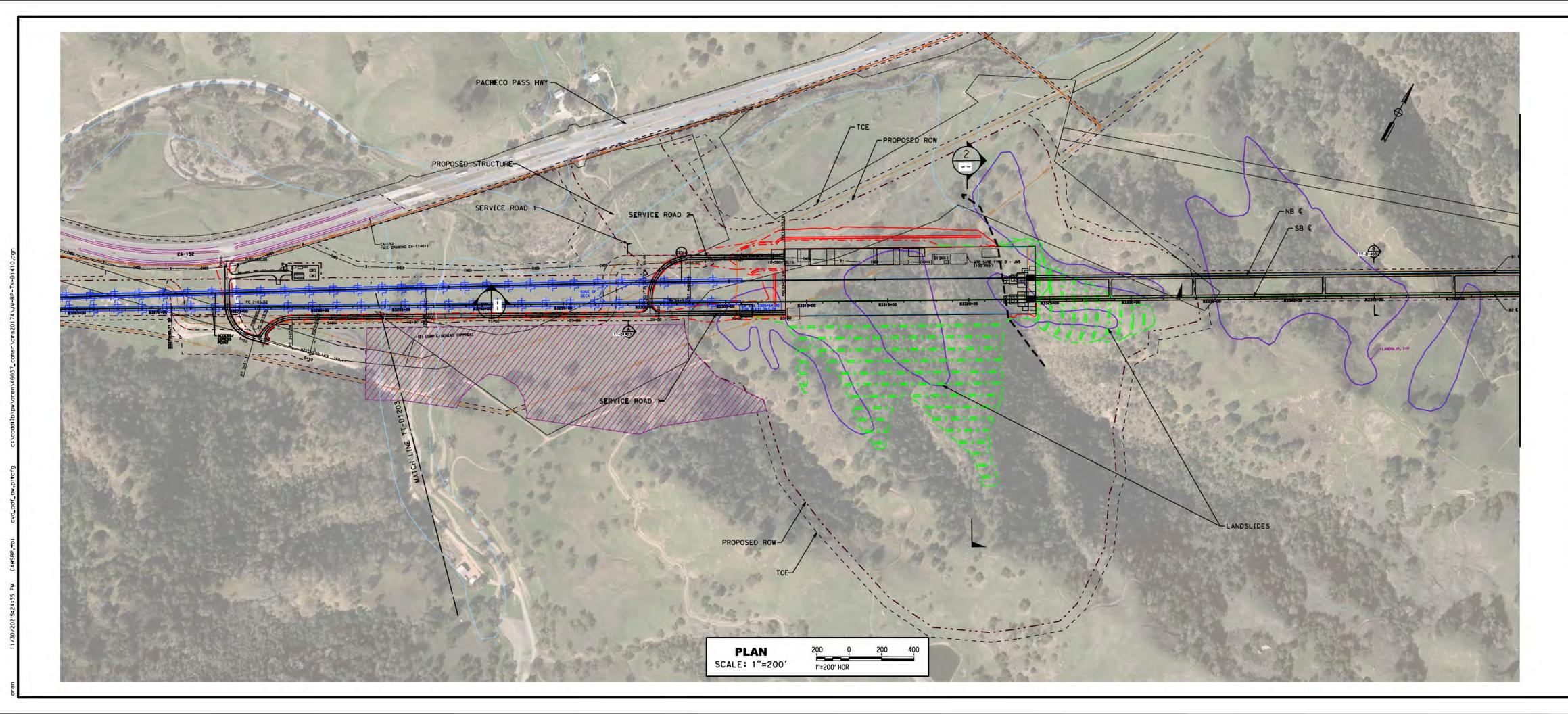


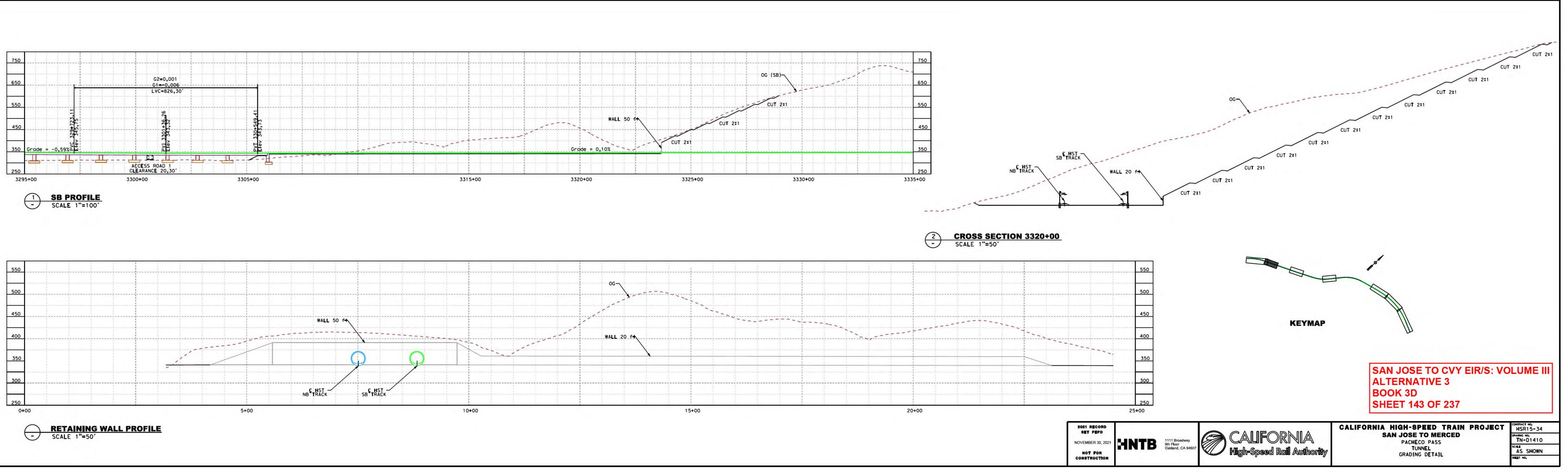


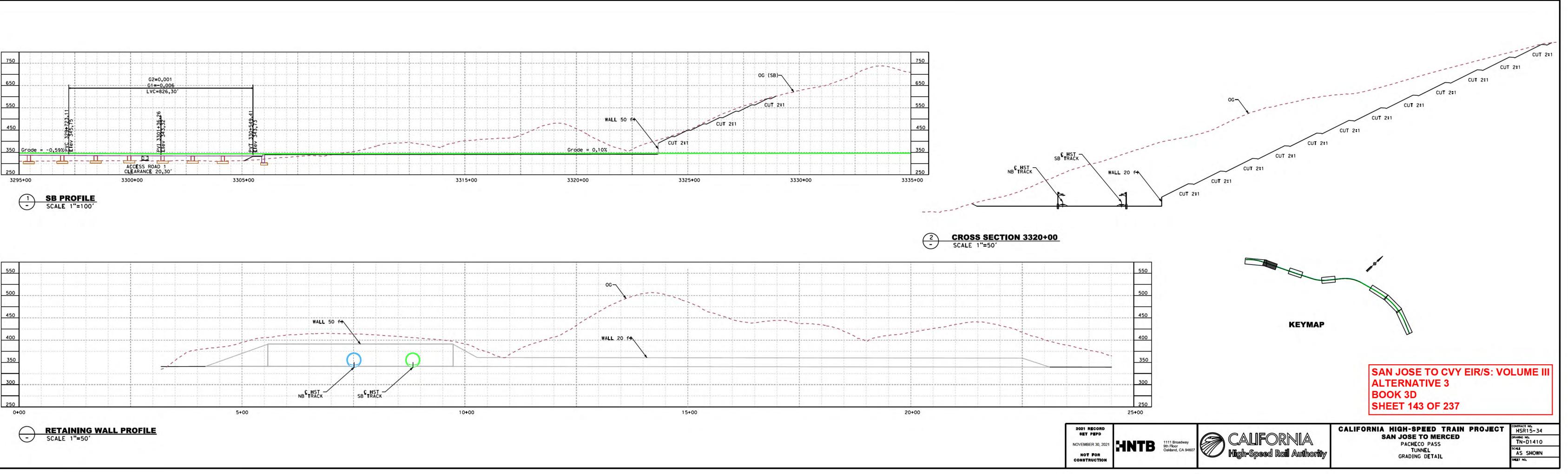


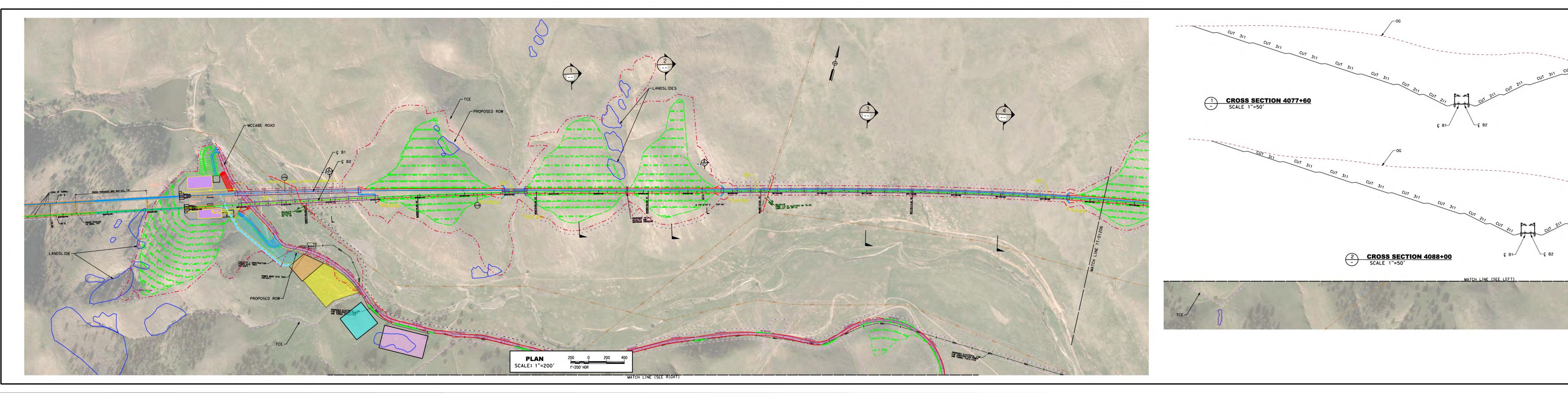


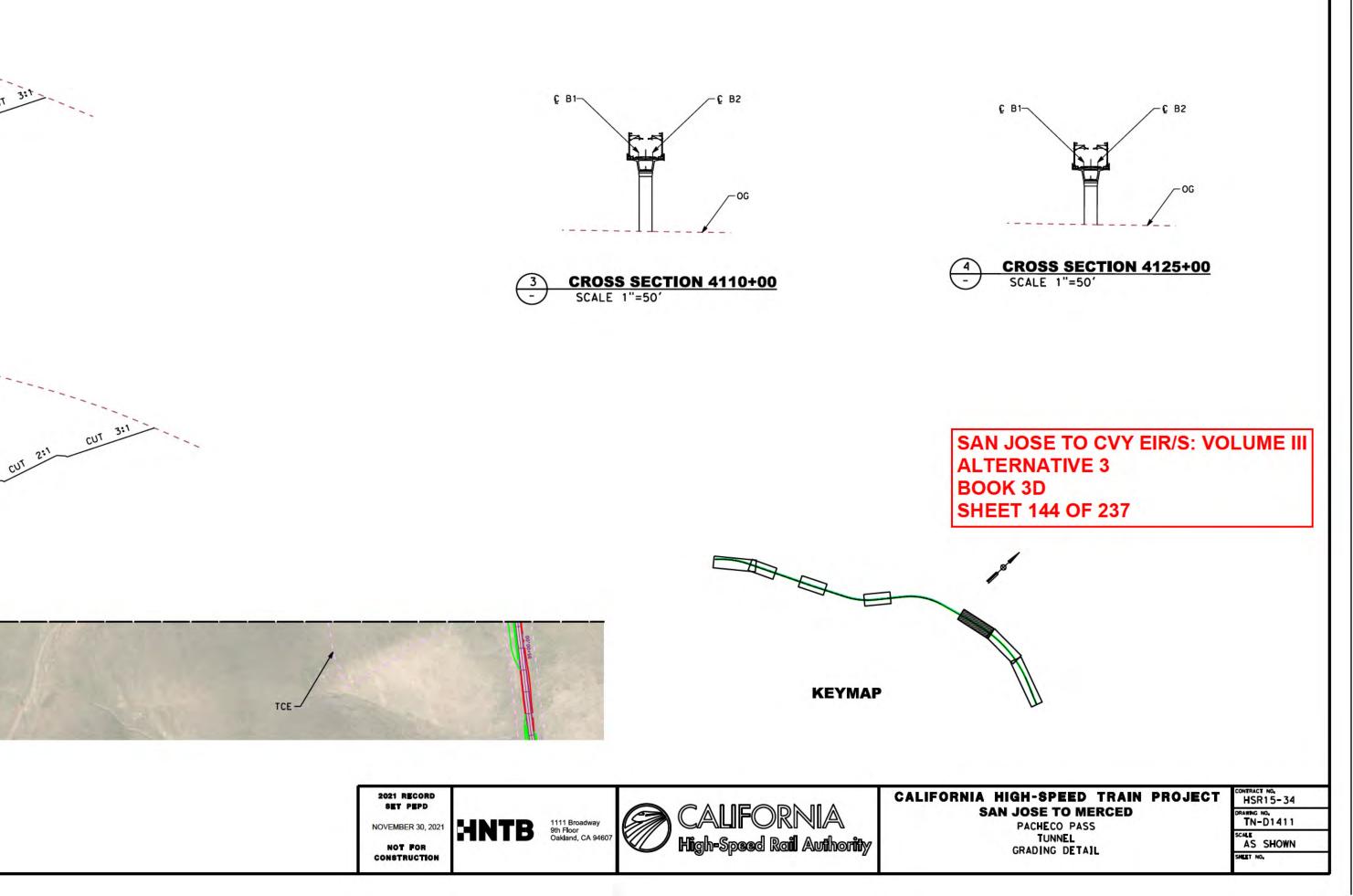


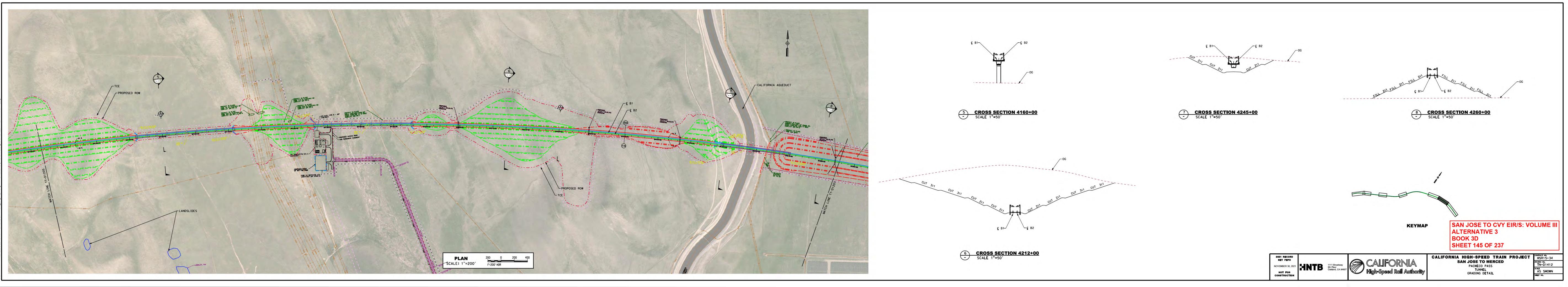


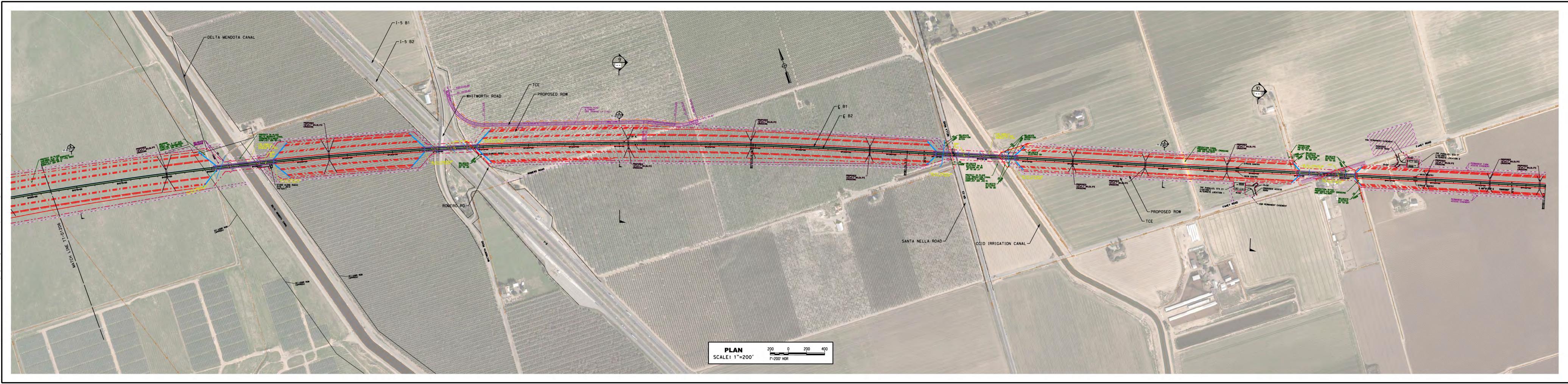


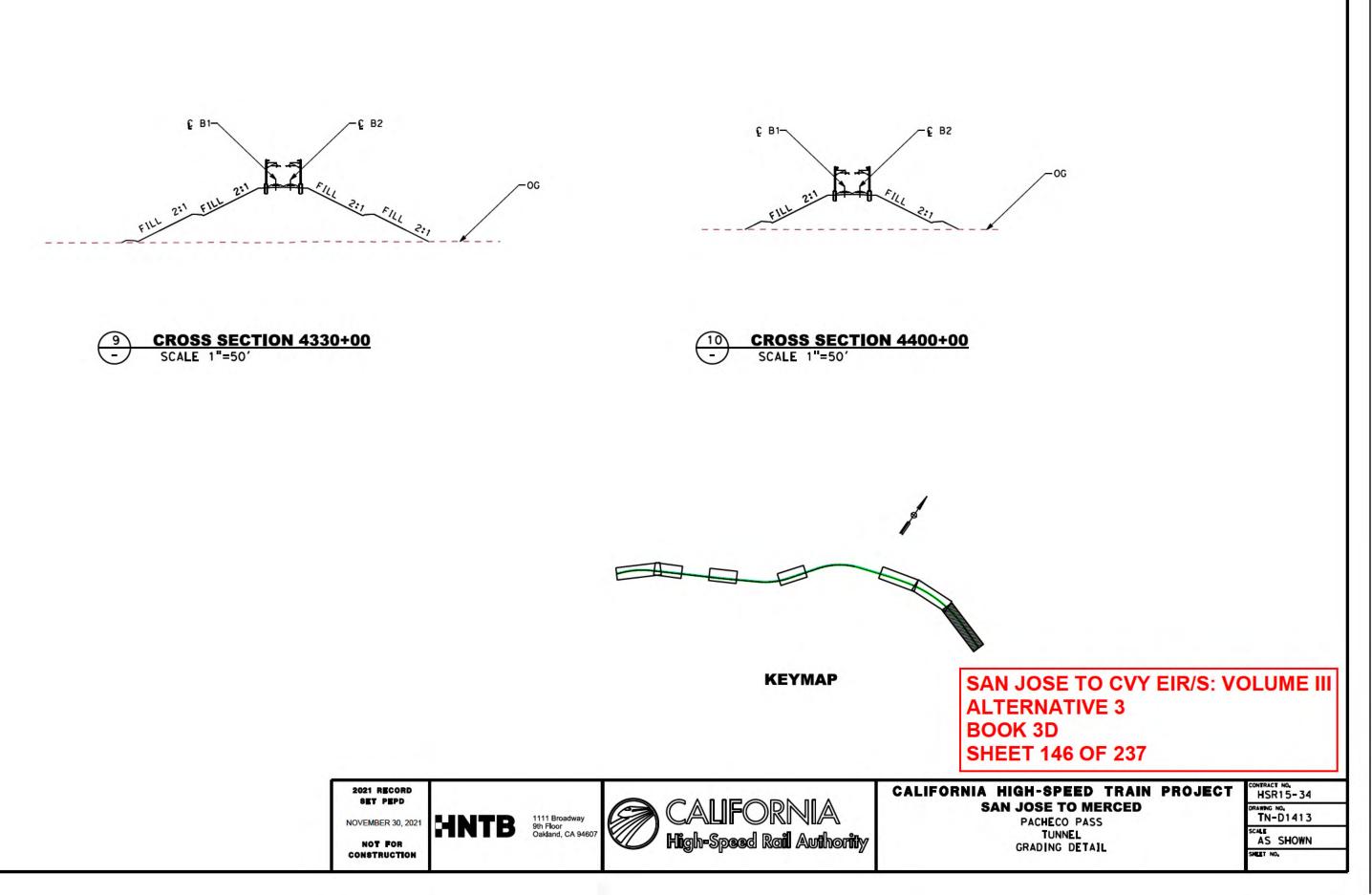


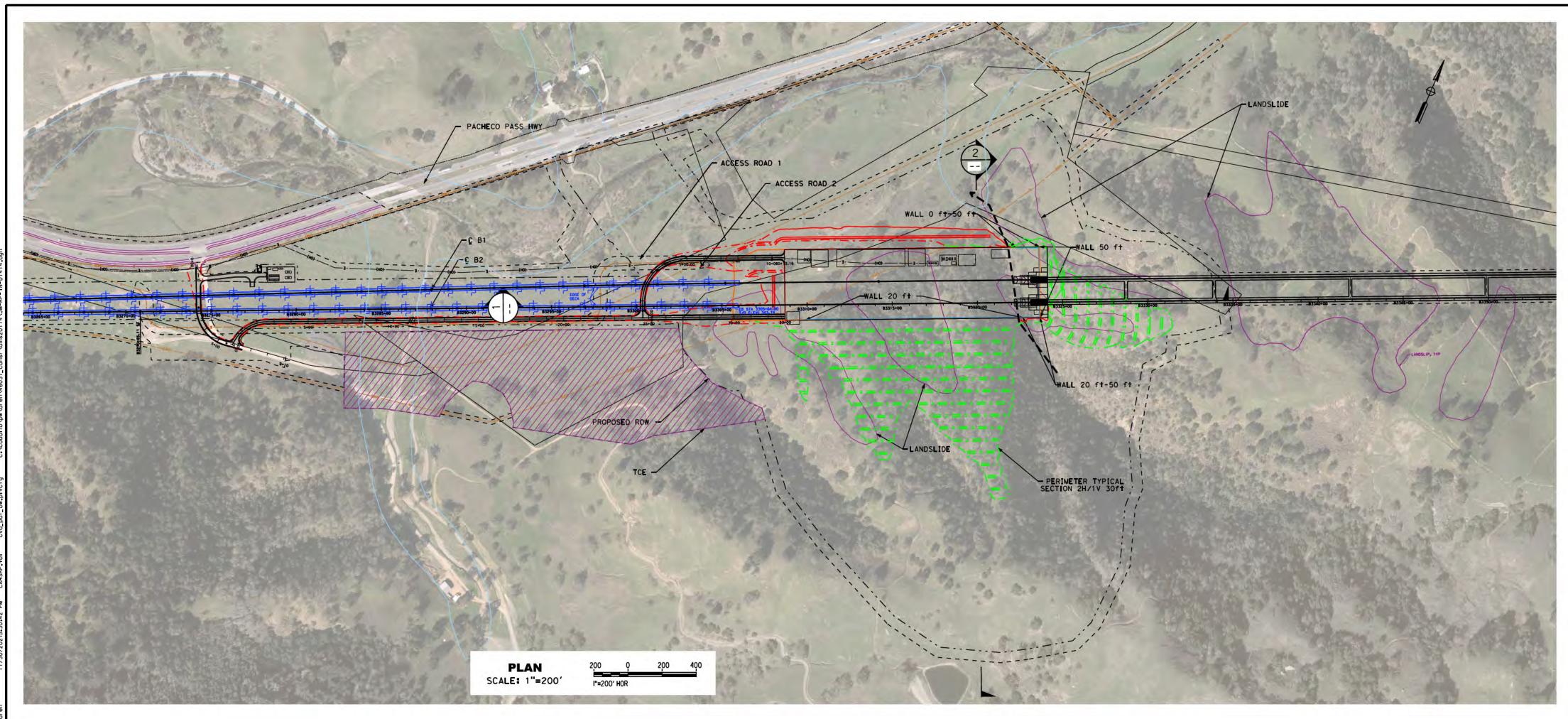


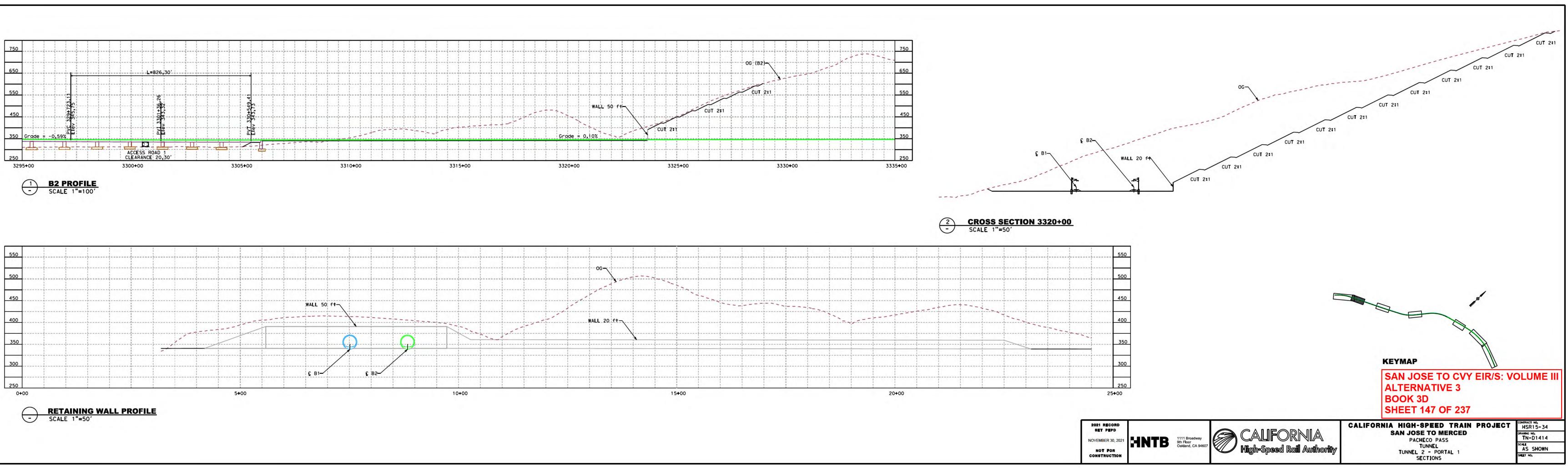


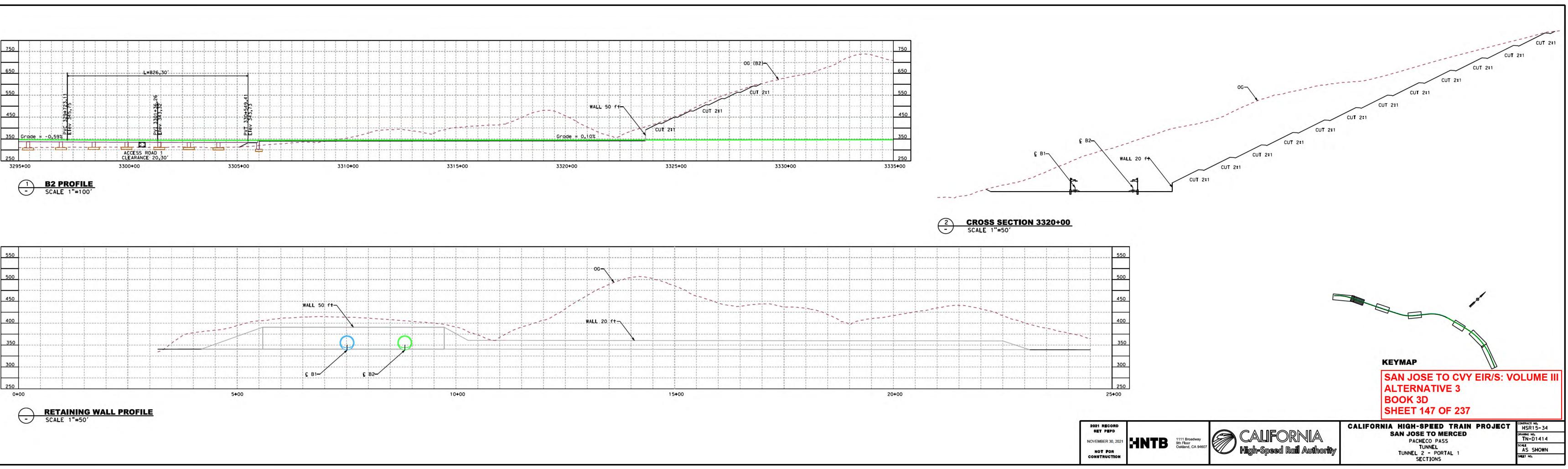


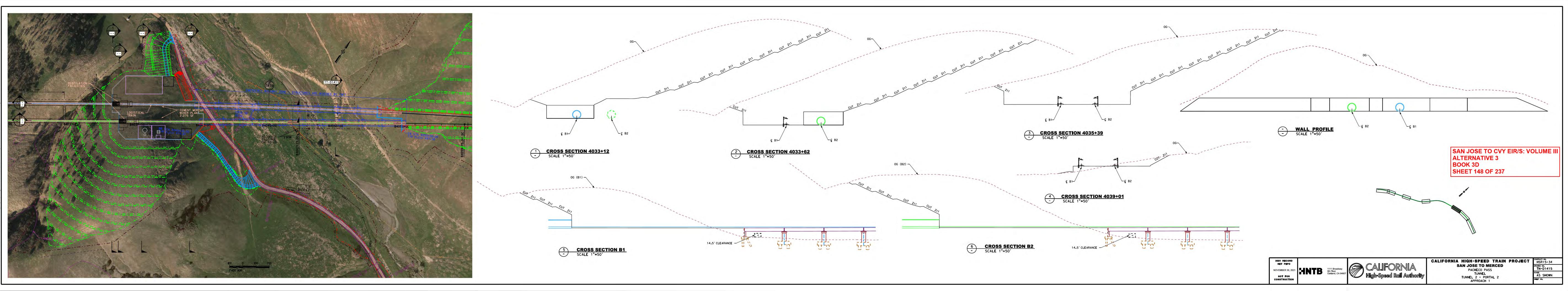


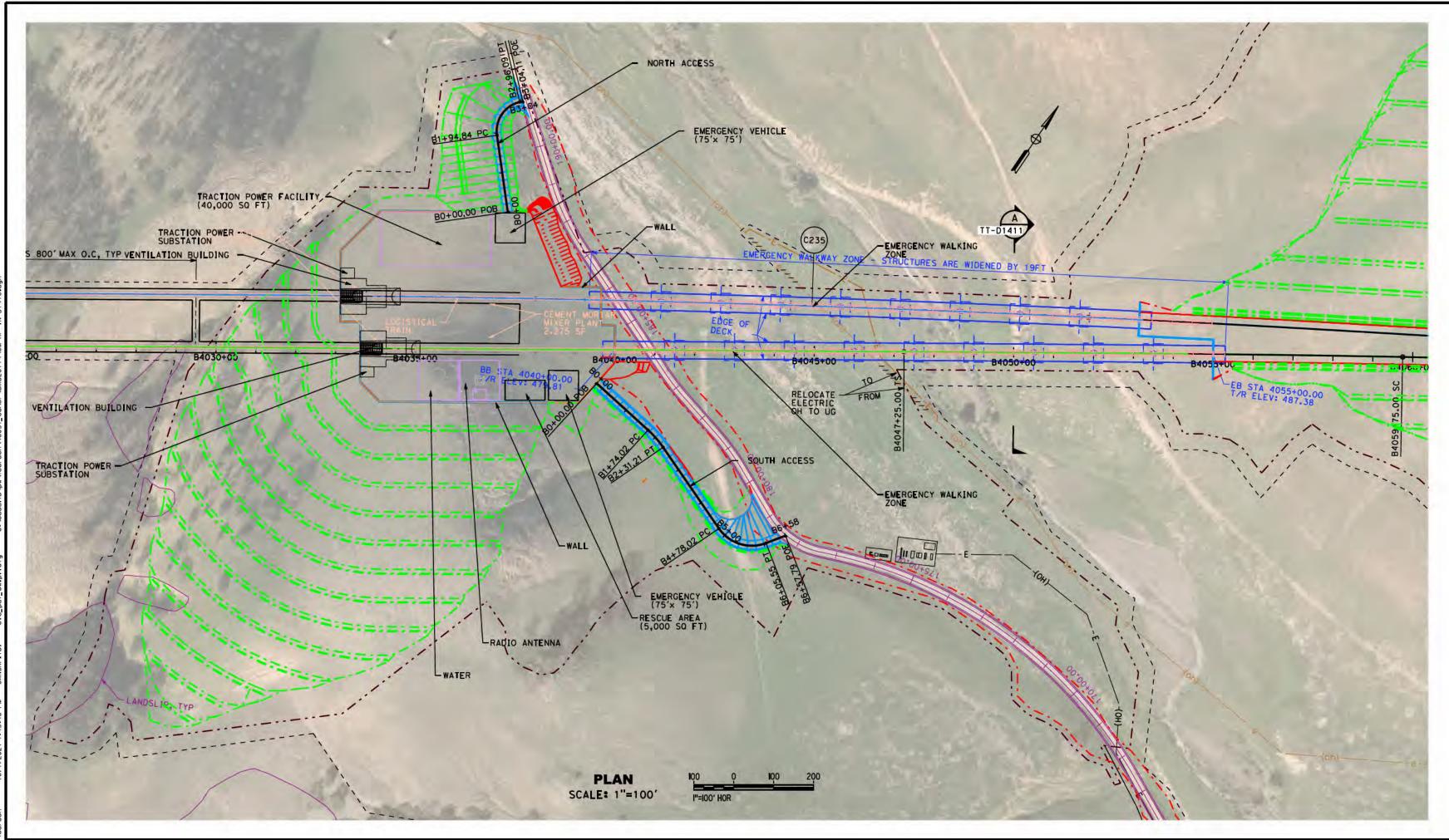


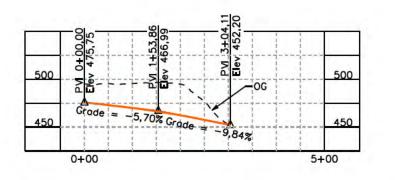












NORTH ACCESS PROFILE	50
SCALE: 1"=100' HOR, 1"=50' VER	1 =5

