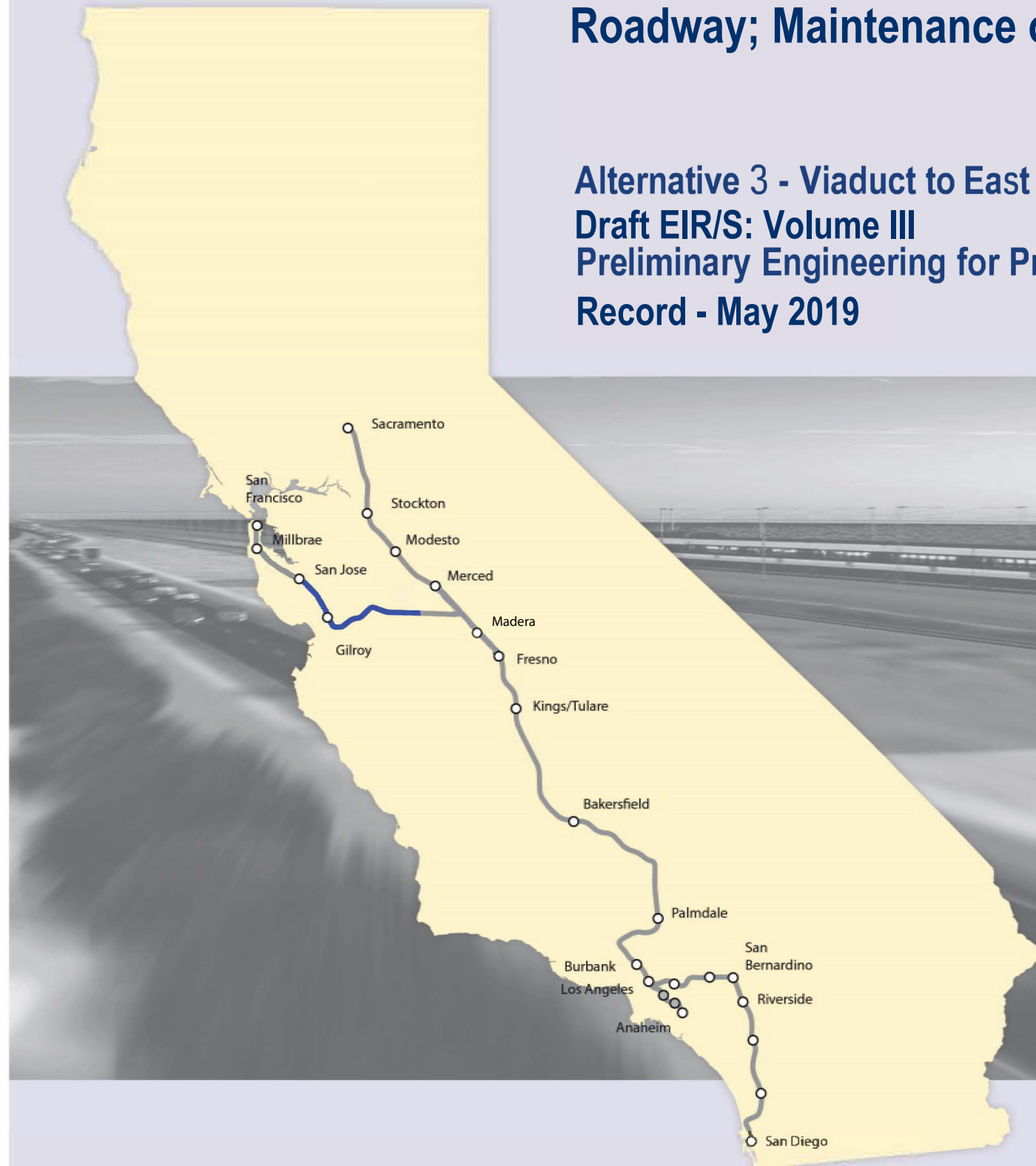


California High-Speed Rail Authority

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

Roadway; Maintenance of Way; Tunnels

Alternative 3 - Viaduct to East Gilroy
Draft EIR/S: Volume III
Preliminary Engineering for Project Definition
Record - May 2019



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 109 - 138 OF 216**

ALTERNATIVE 3 - VIADUCT TO EAST GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
------	----------	------------	------------	---------------------	----------------------	-------------------	------------------------

COVER, INDEX OF DRAWING AND KEY MAPS

BOOK 3D	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 3	VIADUCT TO EAST GILROY
BOOK 3D	B	GE-A0305	ENTIRE ALTERNATIVE	GRADE SEPARATIONS/MAINTENANCE OF WAY, TUNNELS	INDEX OF DRAWING	SHEET 5 OF 7	
BOOK 3D	C	GE-D0301	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 3D	D	GE-D0302	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	

ROADWAY

MONTEREY CORRIDOR

BOOK 3D	109	CV-T0401	MONTEREY CORRIDOR	SR87, WILLOW ST	VIADUCT / AT-GRADE	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	SR87 ON-RAMP
---------	-----	----------	-------------------	-----------------	--------------------	--	--------------

SAN JOAQUIN VALLEY

BOOK 3D	110	CV-S1601	SAN JOAQUIN VALLEY	MONTEREY RD, INGOMAR GRADE	HENRY MILLER ROAD	CIVIL DETAILS	
BOOK 3D	111	CV-T1603	SAN JOAQUIN VALLEY	VOLTA RD, HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ROAD
BOOK 3D	112	CV-T1604	SAN JOAQUIN VALLEY	HENRY MILLER ACCESS	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ACCESS
BOOK 3D	113	CV-T1606	SAN JOAQUIN VALLEY	HENRY MILLER RD AT MERCY SPRINGS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	MERCY SPRINGS ROAD
BOOK 3D	114	CV-T1609	SAN JOAQUIN VALLEY	DELTA RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	DELTA ROAD
BOOK 3D	115	CV-T1610	SAN JOAQUIN VALLEY	TURNER ISLAND RD AT HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	TURNER ROAD
BOOK 3D	116	CV-T1611	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	CARLUCCI ROAD
BOOK 3D	117	CV-T1612	SAN JOAQUIN VALLEY	HUTCHINS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HUTCHINS ROAD

MAINTENANCE OF WAY

BOOK 3D	118	MY-B0906	MORGAN HILL AND GILROY	CARNADERO AVE TO SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 3D	119	MY-B0907	MORGAN HILL AND GILROY	CARNADERO AVE TO SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 3D	120	MY-B0908	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 3D	121	MY-B1106	MORGAN HILL AND GILROY	N/A	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 3D	122	MY-B1107	MORGAN HILL AND GILROY	SR 152, JONES CREEK	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILITY	TYPICAL SECTIONS
BOOK 3D	123	MY-B1108	MORGAN HILL AND GILROY	N/A	VIADUCT TO EAST GILROY	MAINTENANCE OF WAY FACILITY	PLAN AND TYPICAL SECTIONS

TUNNELS - PACHECO PASS

BOOK 3D	124	TN-D1301	PACHECO PASS	PACHECO PASS RD	TUNNEL	TUNNEL 1 - PORTAL 1	
BOOK 3D	125	TN-D1302	PACHECO PASS	SR 152	TUNNEL	TUNNEL 1 - PORTAL 2	
BOOK 3D	126	TN-D1404	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1	
BOOK 3D	127	TN-D1405	PACHECO PASS	ACCESS RD 1	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 3D	128	TN-D1406	PACHECO PASS	CALIFORNIA AQUEDUCT	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 3D	129	TN-D1407	PACHECO PASS	ACCESS RD 2	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 3D	130	TN-D1408	PACHECO PASS	N/A	TUNNEL	LONGITUDINAL PROFILE	
BOOK 3D	131	TN-D1409	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 3D	132	TN-D1410	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 3D	133	TN-D1411	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 3D	134	TN-D1412	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 3D	135	TN-D1413	PACHECO PASS	I-5, FAHEY RD	TUNNEL	GRADING DETAIL	
BOOK 3D	136	TN-D1414	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1	SECTIONS
BOOK 3D	137	TN-D1415	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2	APPROACH 1
BOOK 3D	138	TN-D1416	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2	APPROACH 2

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

\$USER \$DATE \$TIME \$ \$PLTDRVS \$ \$PENTBL \$ \$FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

**RECORD PEPD
SUBMITTAL**

MAY 3, 2019

**NOT FOR
CONSTRUCTION**

HNTB

1111 Broadway
9th Floor
Oakland, CA 94607



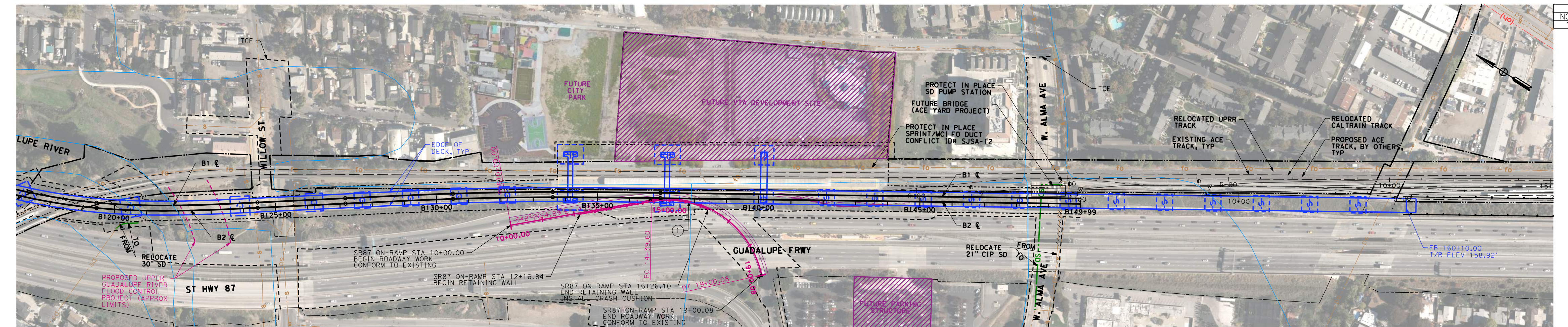
CALIFORNIA
High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN JOSE TO MERCED

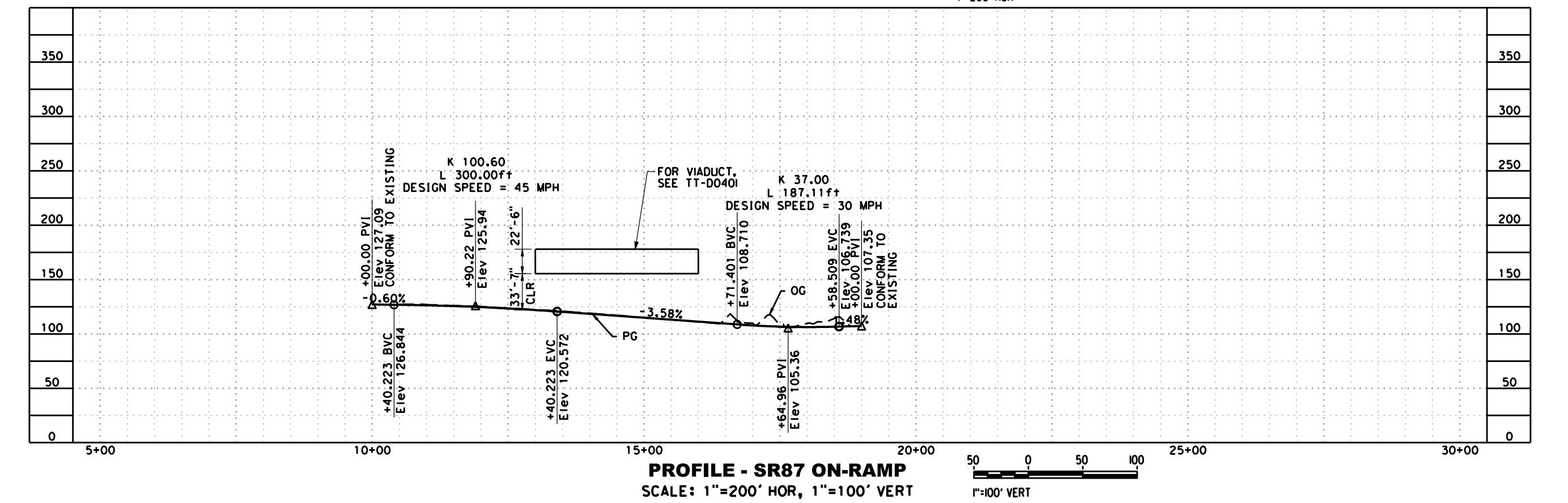
ALTERNATIVE 3
INDEX OF DRAWING
SHEET 5 OF 7

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0305
SCALE	NONE
SHEET NO.	

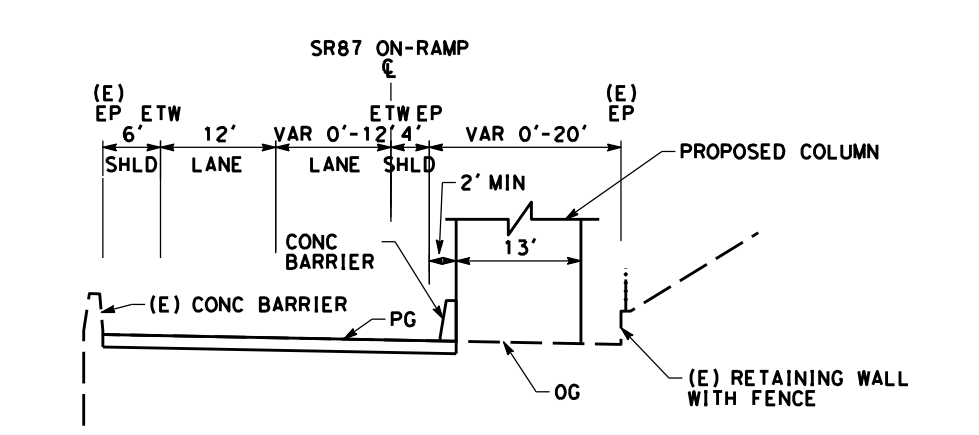


CURVE DATA SR87 ON-RAMP				
NO.	R	Δ	L	T
1	300	87°56'43.36"	460.481	289.430

PLAN - SR87 ON-RAMP
SCALE: 1"=100'
1"=200' HOR



PROFILE - SR87 ON-RAMP
SCALE: 1"=200' HOR, 1"=100' VERT
1"=100' VERT



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-B0001 AND GE-B0002 FOR NOTES.

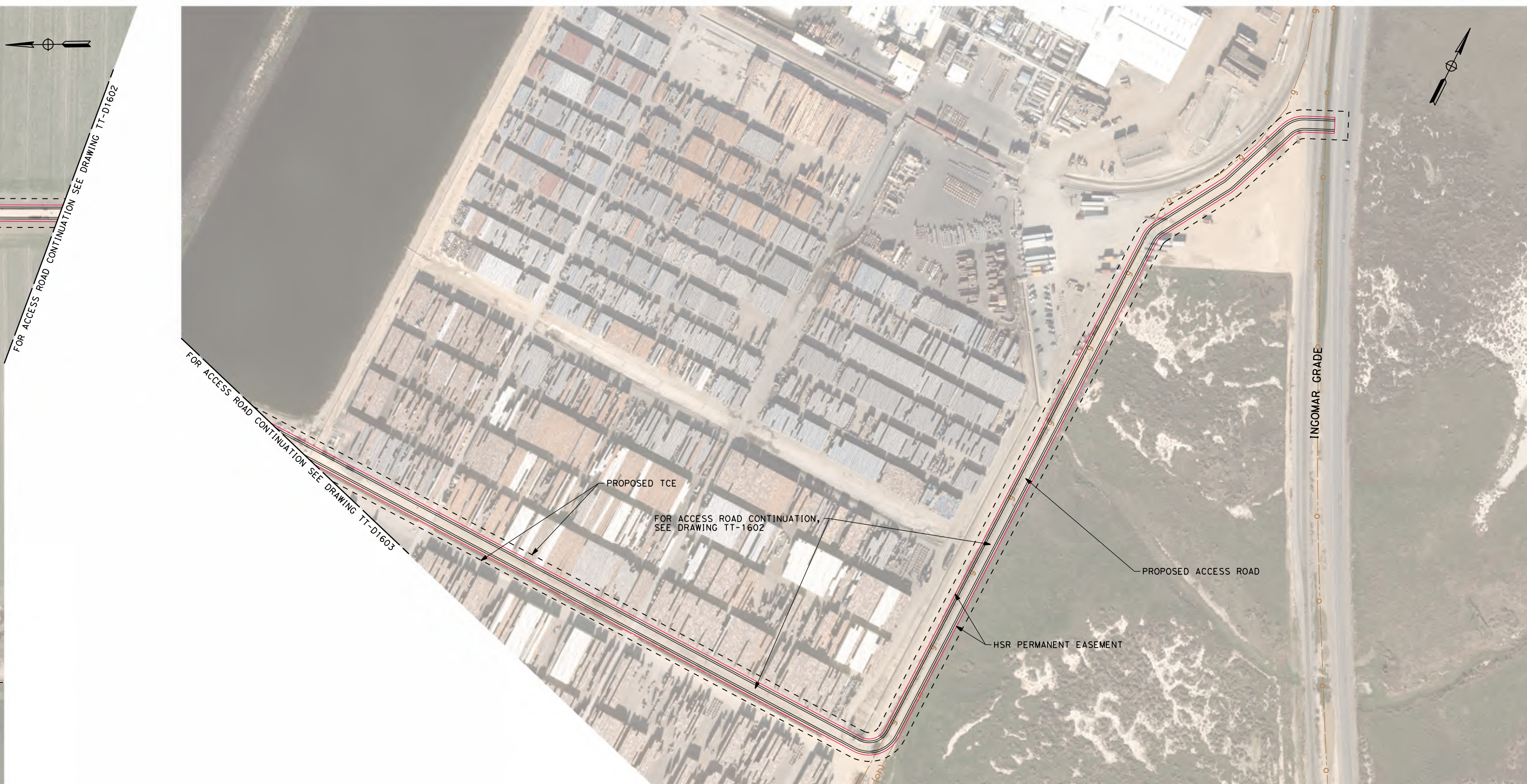
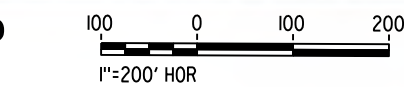
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 109 OF 216

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MONTEREY CORRIDOR VIADUCT/AT-GRADE GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS SR87 ON-RAMP	CONTRACT NO. HSR15-34 DRAWING NO. CV-T0401 SCALE AS SHOWN SHEET NO.
--	--	---	--	--	---

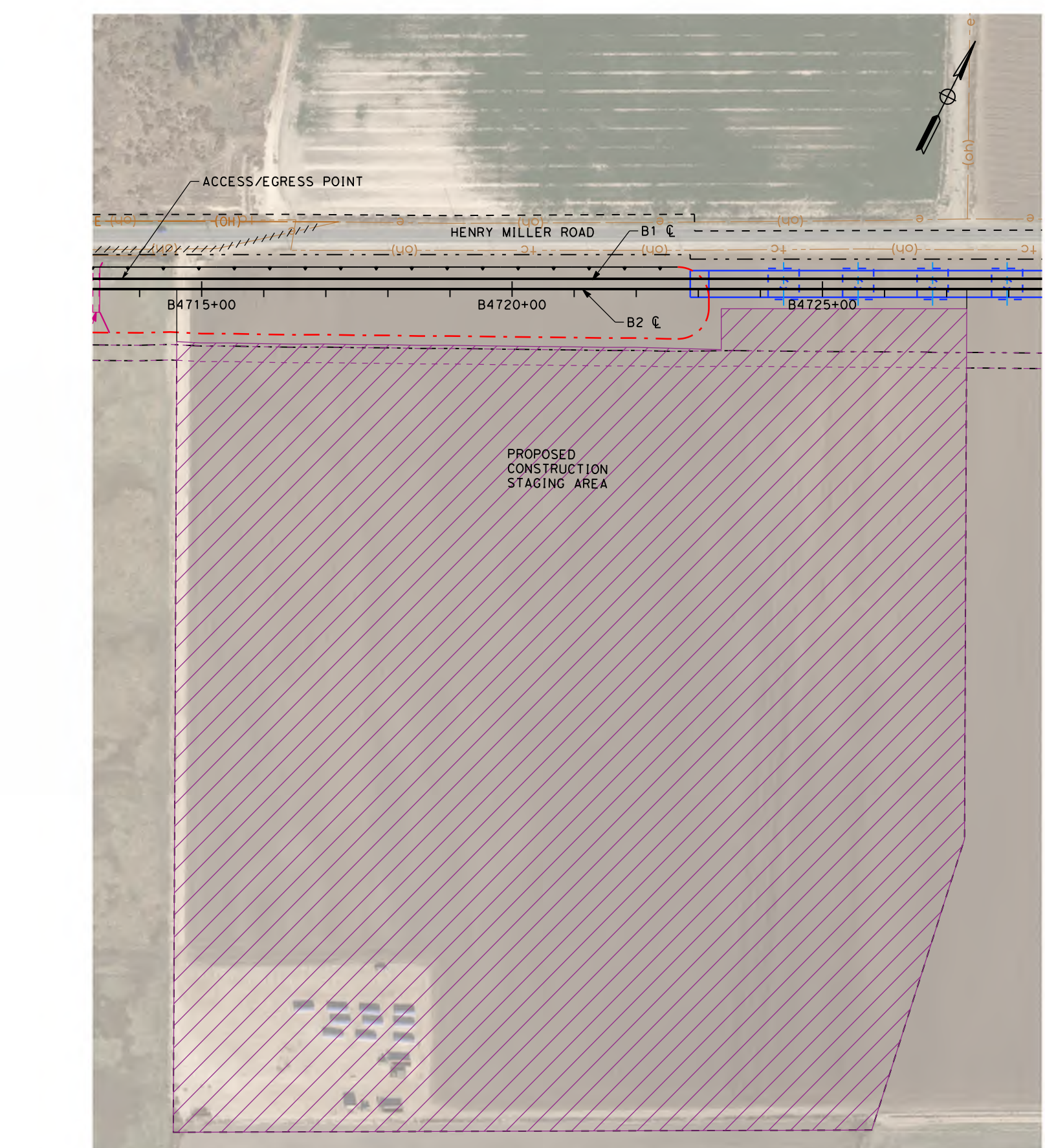
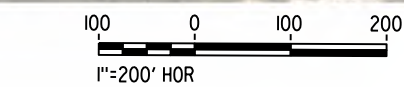
USER DATE TIME #TIME #FILES #REVISES #PLTDRSS #FILE#



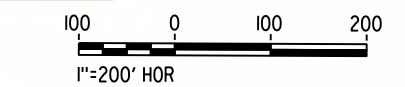
PROPOSED ACCESS ROAD TO MONTEREY ROAD
SCALE: 1"=200'



PROPOSED ACCESS ROAD TO INCOMAR GRADE
SCALE: 1"=200'



**PROPOSED CONSTRUCTION STAGING AREA
AT STA B4714+60 TO STA B4727+32**
SCALE: 1"=200'

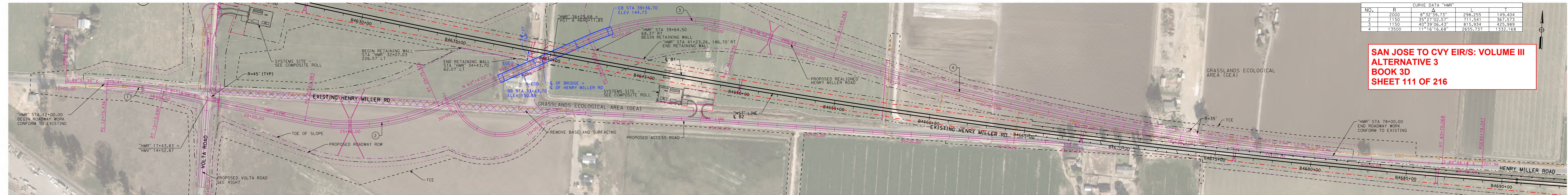


NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 110 OF 216**

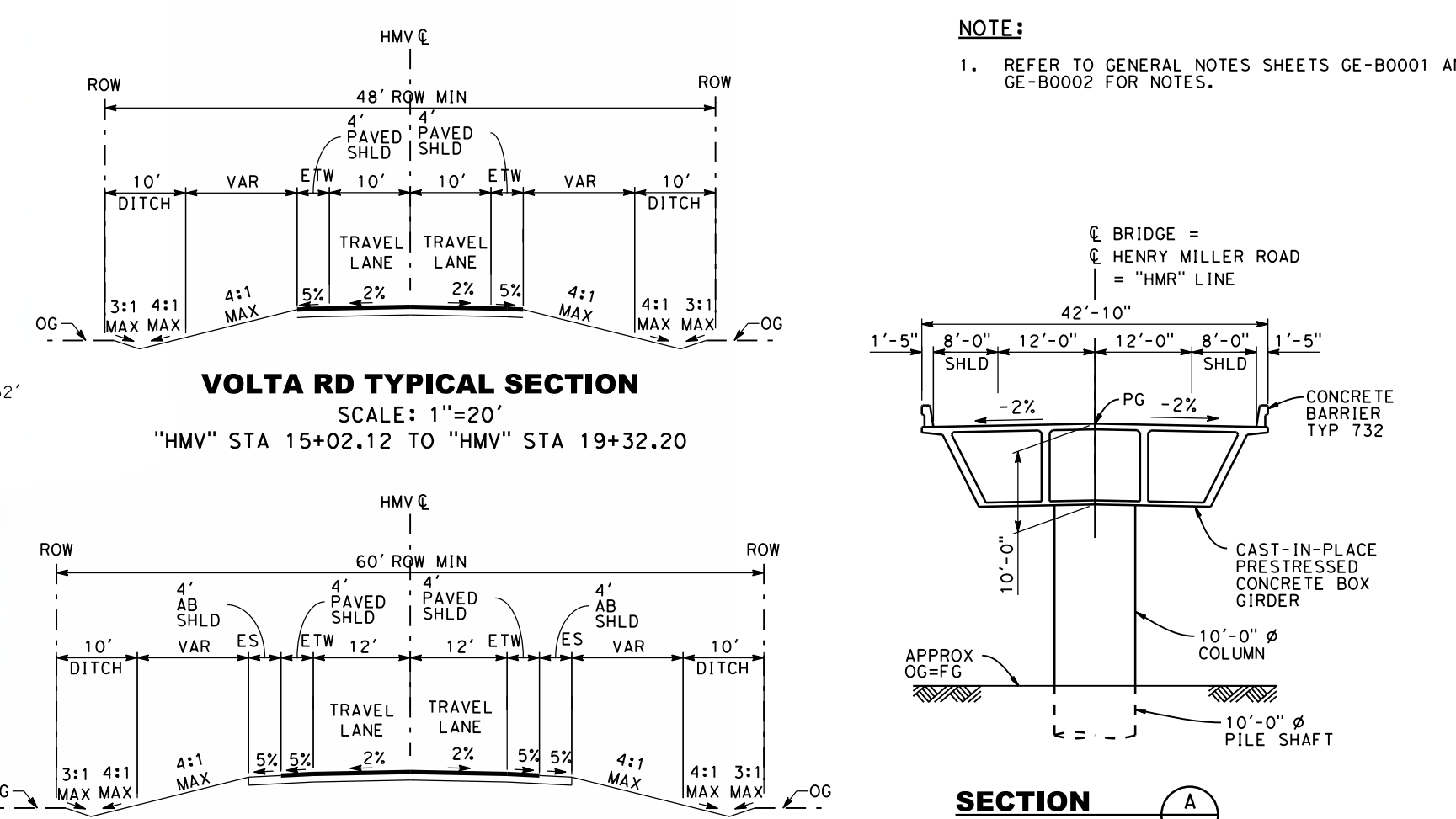
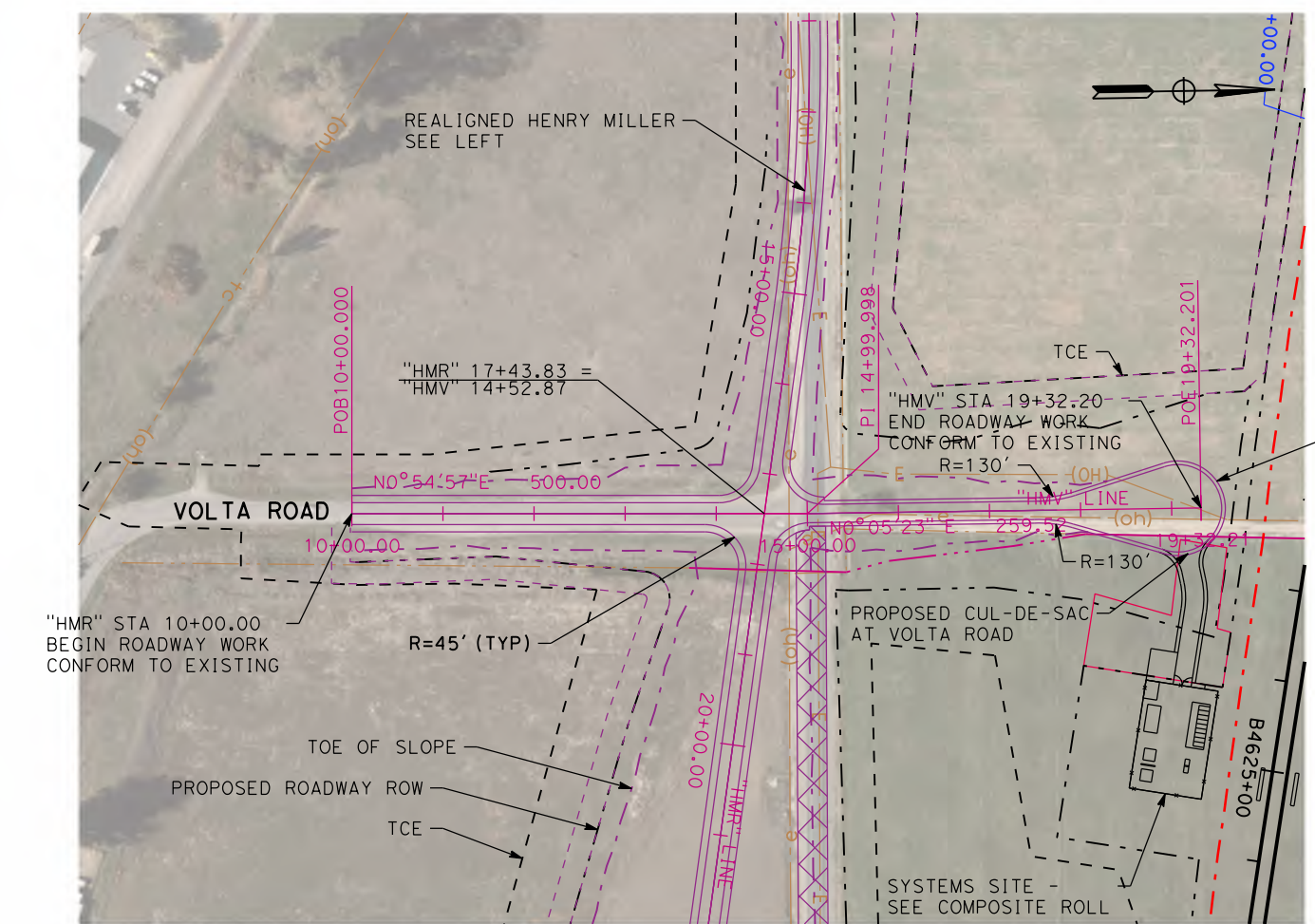
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD CIVIL DETAILS	CONTRACT NO. HSR15-38 DRAWING NO. CV-S1601 SCALE AS SHOWN SHEET NO.
--	--	---	--	---	--

2/28/2019 4:48:44 PM C:\Users\jrb\OneDrive\Documents\San Jose to CVY EIRs\Book 3\Sheet 111.dwg User: jrb Date: 2/28/2019 Time: 4:48:44 PM

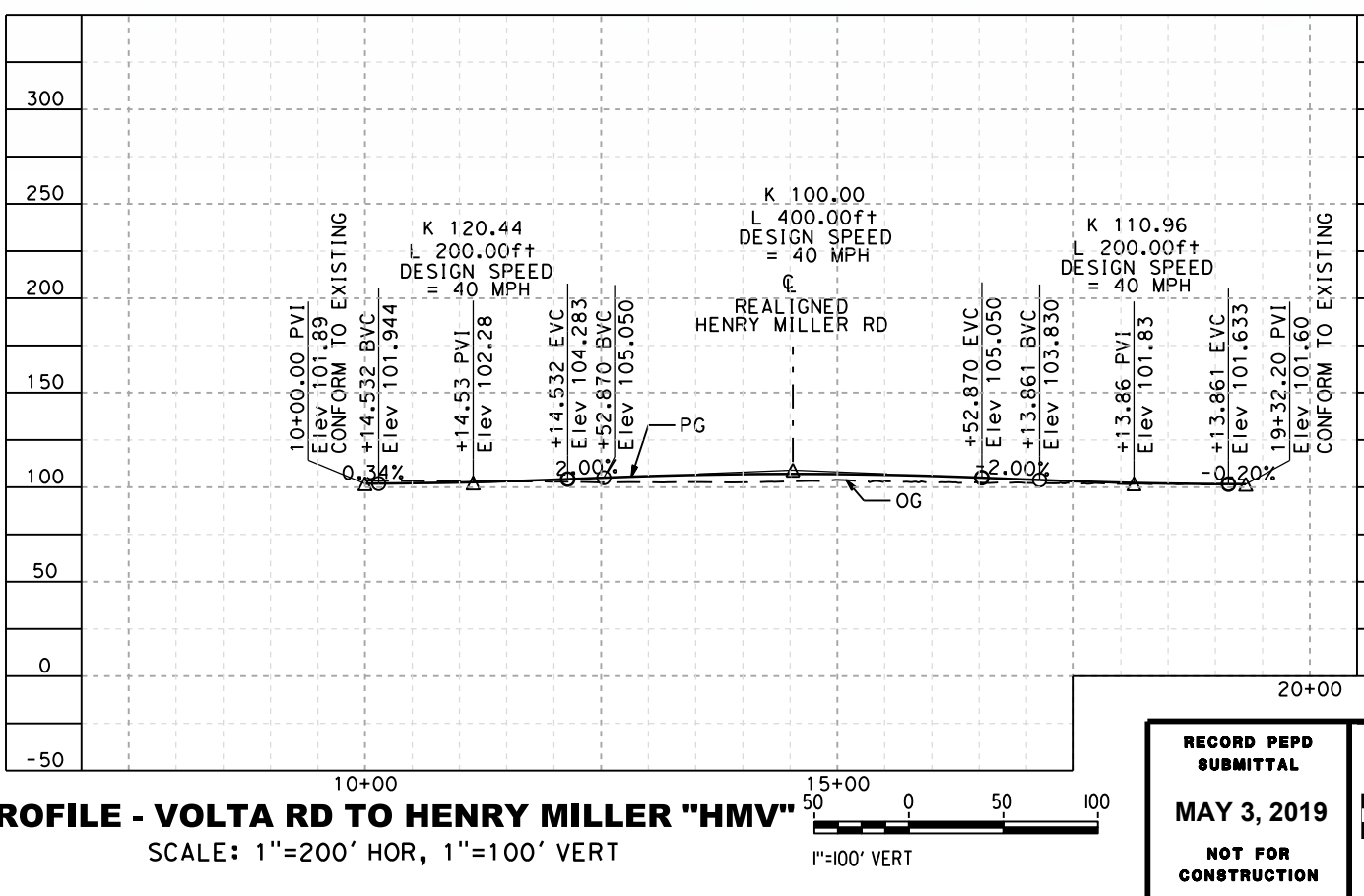
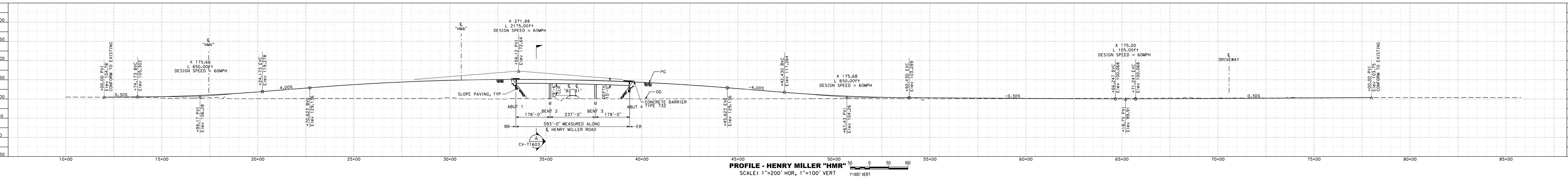


NO.	R	Δ	A	298,255	149,404
1	2000	8°32'39.73"			
2	1150	35°27'02.57"		711,541	367,573
3	1150	40°39'06.43"		815,934	425,989
4	13500	11°16'16.68"		2655,737	1332,168

**SAN JOSE TO CVY EIR'S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 111 OF 216**



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



RECORD PERM SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

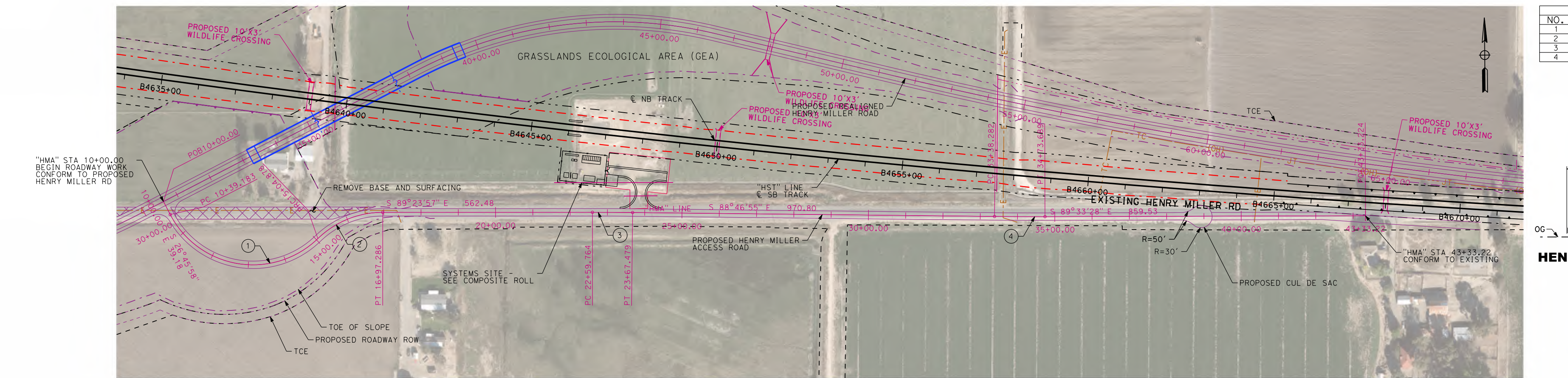
HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
HENRY MILLER ROAD

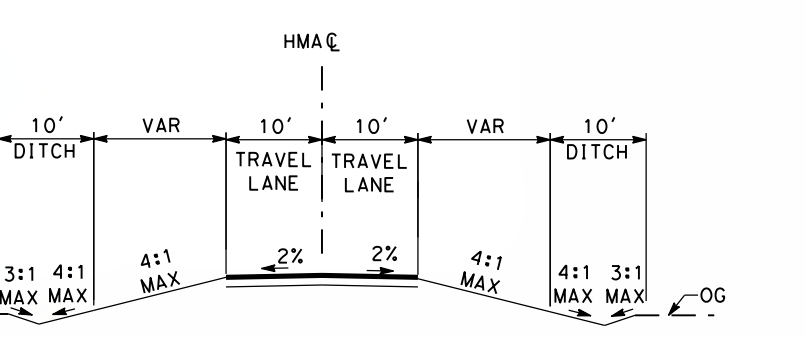
CONTRACT NO. HSR15-34
DRAWING NO. CV-T1603
SCALE AS SHOWN
SHEET NO.

4/20/2019 4:17:44 PM C:\Users\hntb\OneDrive\Documents\40372\comer\user11626\user11626\CV-T1104.dgn
 c:\cadd\p1\cal\hntb\p1\1626\user11626\user11626\CV-T1104.dgn
 4/20/2019 4:17:44 PM C:\Users\hntb\OneDrive\Documents\40372\comer\user11626\user11626\CV-T1104.dgn

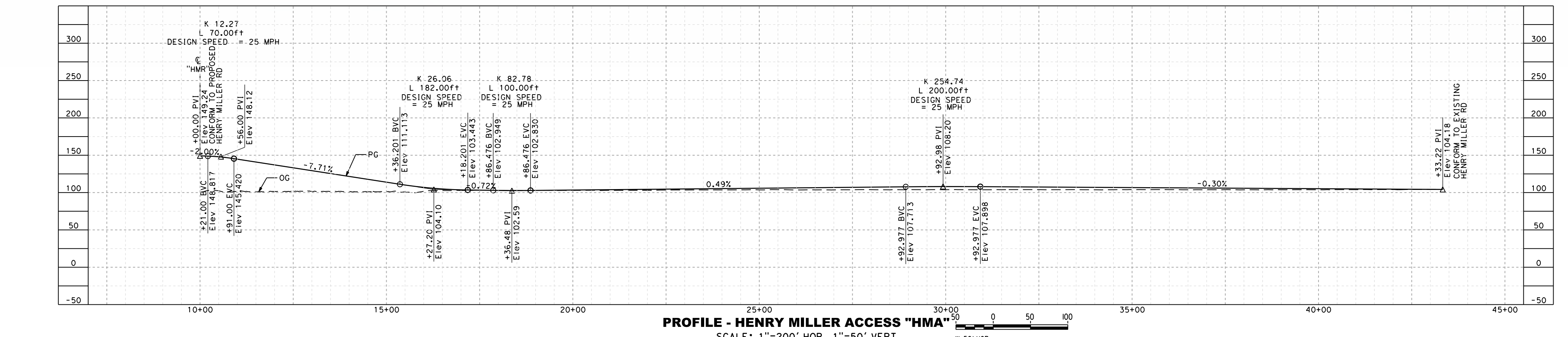


PLAN - HENRY MILLER ACCESS "HMA"
SCALE: 1"=200'

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



HENRY MILLER ACCESS RD TYPICAL SECTION
SCALE: 1"=20"
"HMA" STA 10+00.00 TO "HMA" STA 43+33.22

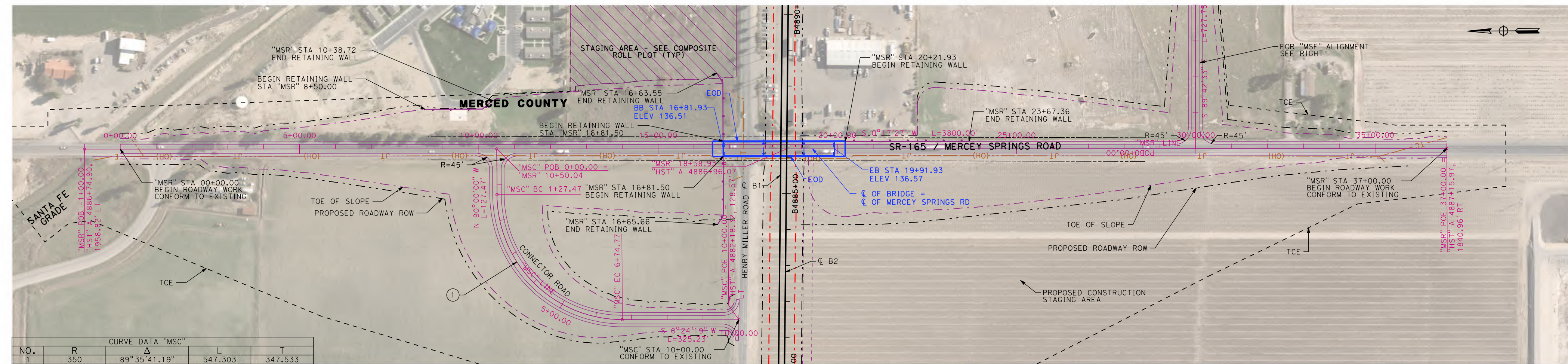


PROFILE - HENRY MILLER ACCESS "HMA"
SCALE: 1"=200' HOR, 1"=50' VERT

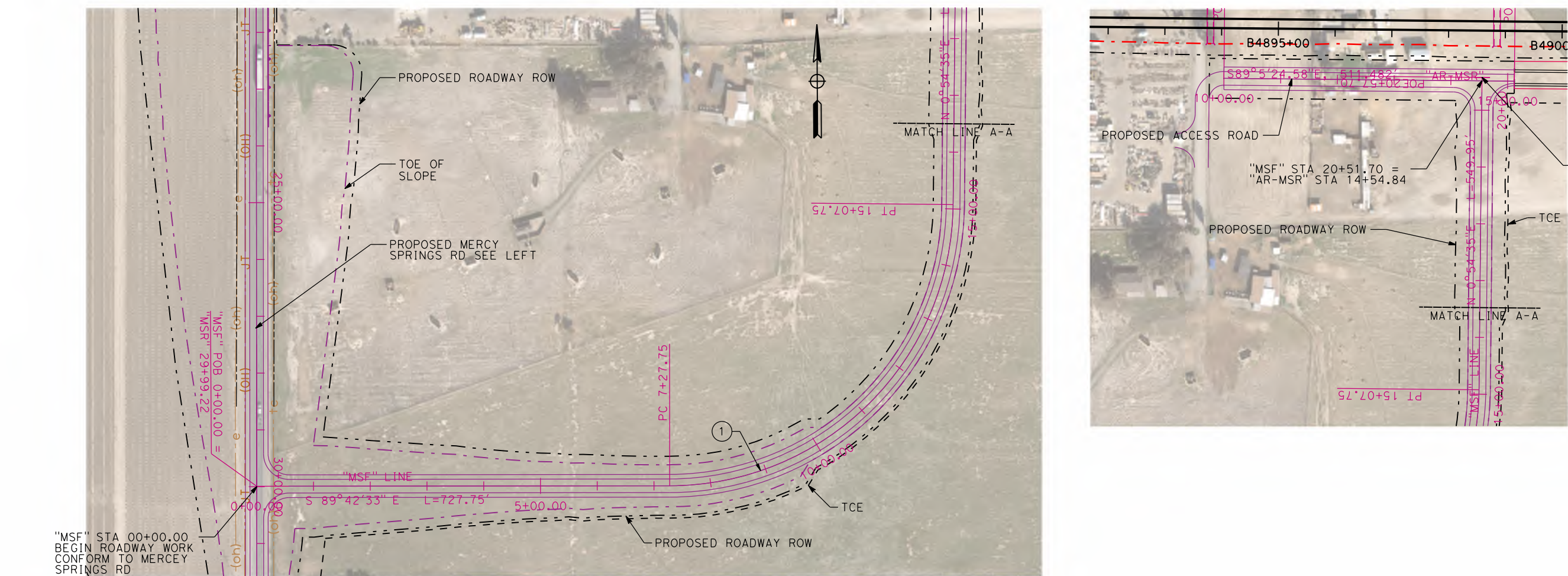
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 112 OF 216

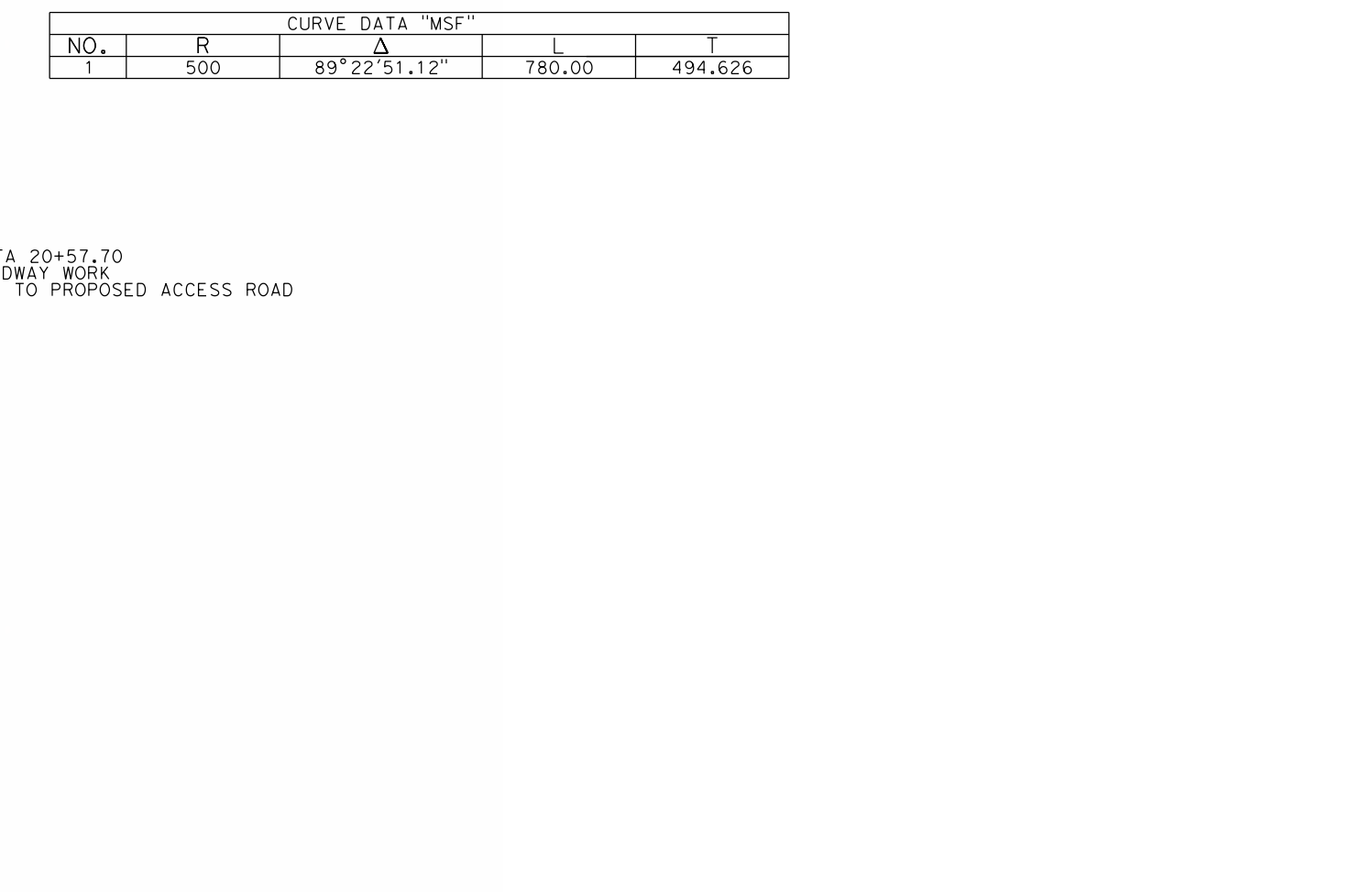
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS HENRY MILLER ACCESS	CONTRACT NO. HSR15-35 DRAWING NO. CV-T1604 SCALE AS SHOWN SHEET NO.
---	---	--	---	---



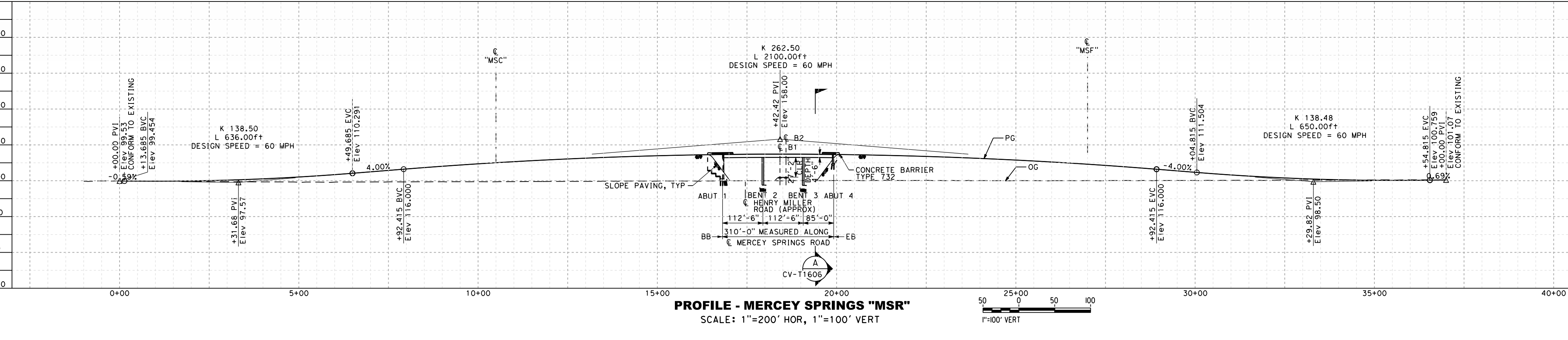
PLAN - MERCY SPRINGS "MSR" AND MERCY SPRINGS CONNECTOR "MSC"
SCALE: 1"=200'



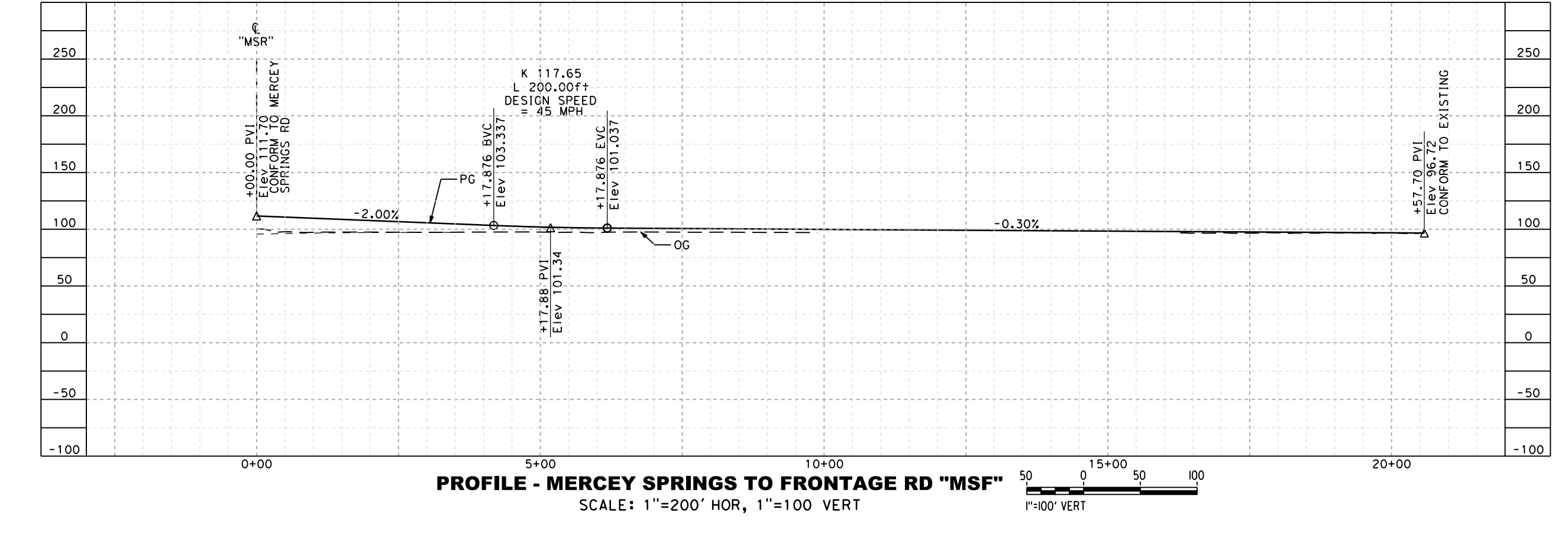
PLAN - MERCY SPRINGS TO FRONTAGE RD "MSF"
SCALE: 1"=200'



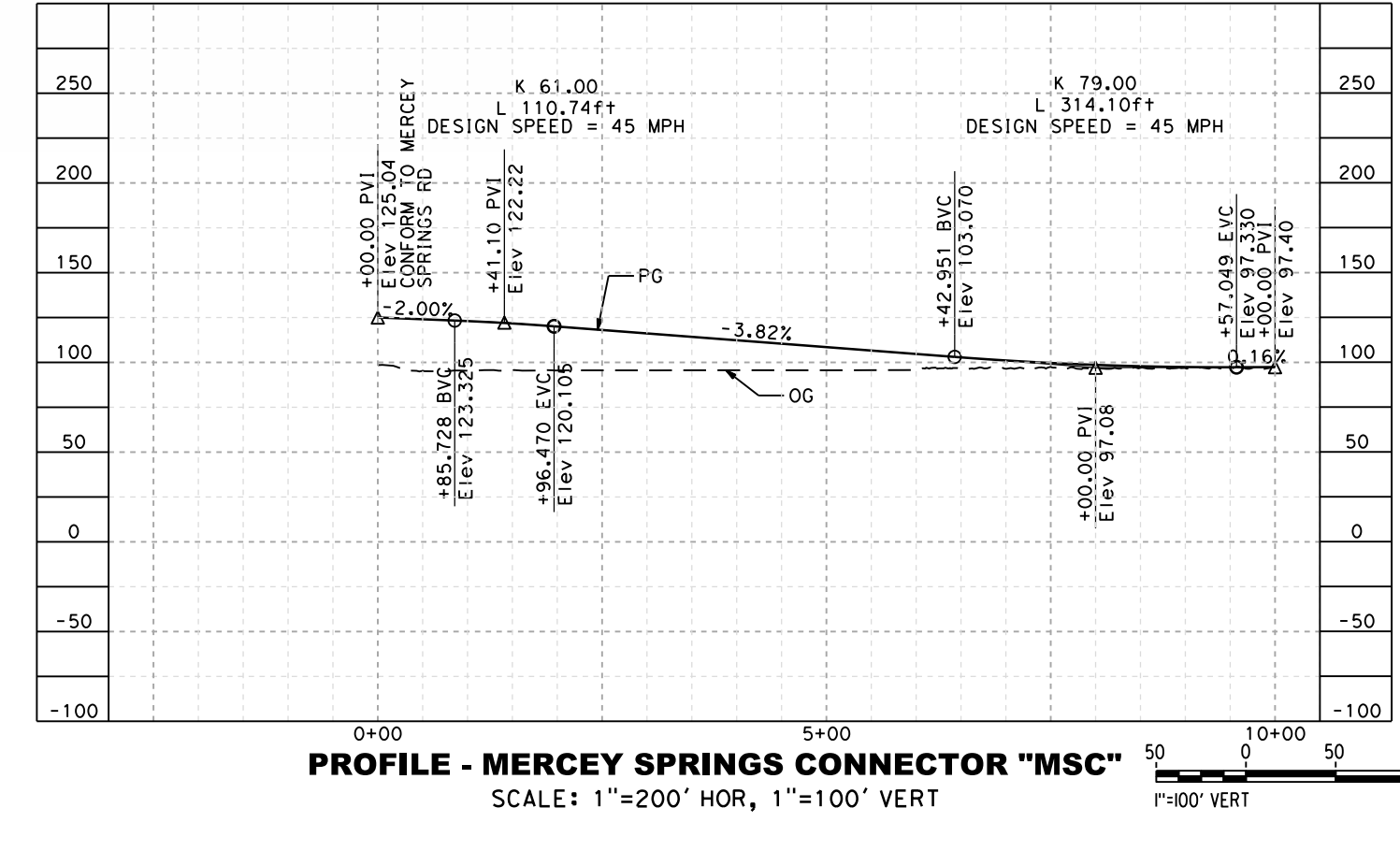
PROFILE - MERCY SPRINGS CONNECTOR "MSC"
SCALE: 1"=200' HOR, 1"=100' VERT



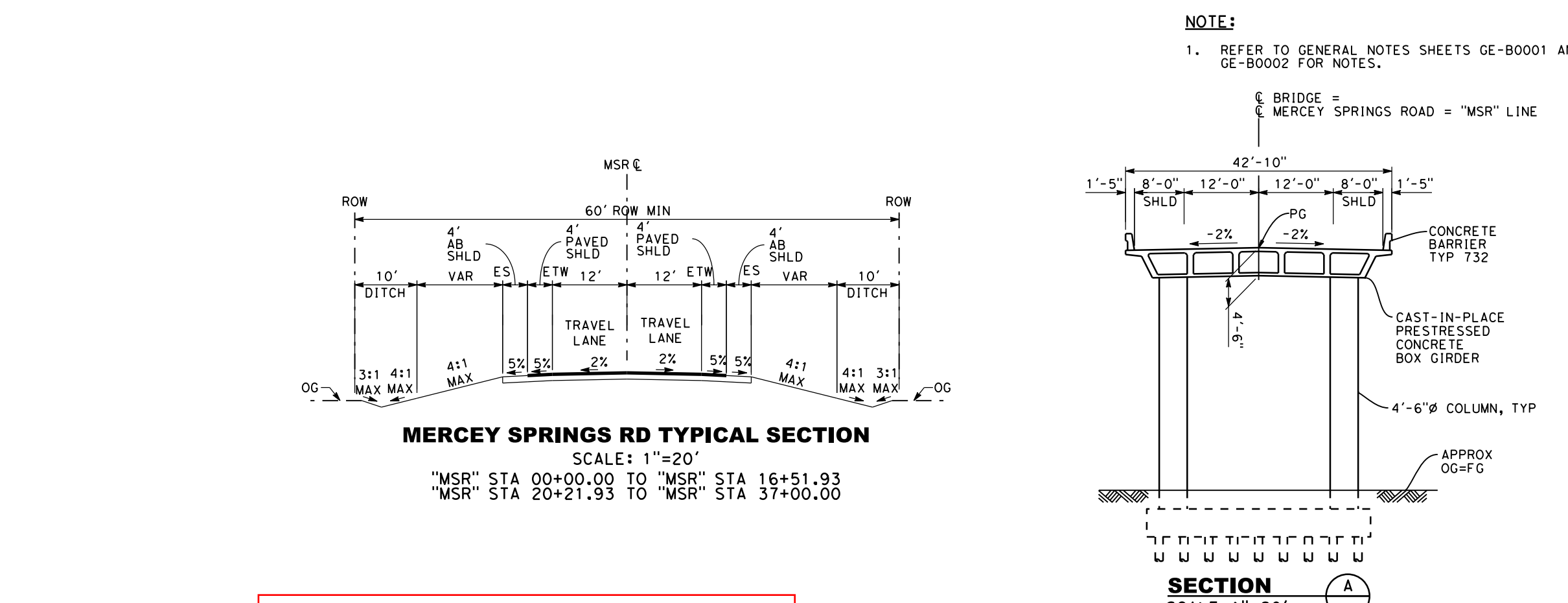
PROFILE - MERCY SPRINGS "MSR"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - MERCY SPRINGS TO FRONTAGE RD "MSF"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - MERCY SPRINGS TO FRONTAGE RD "MSF"
SCALE: 1"=200' HOR, 1"=100' VERT



SAN JOSE TO CVY EIRS: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 113 OF 216

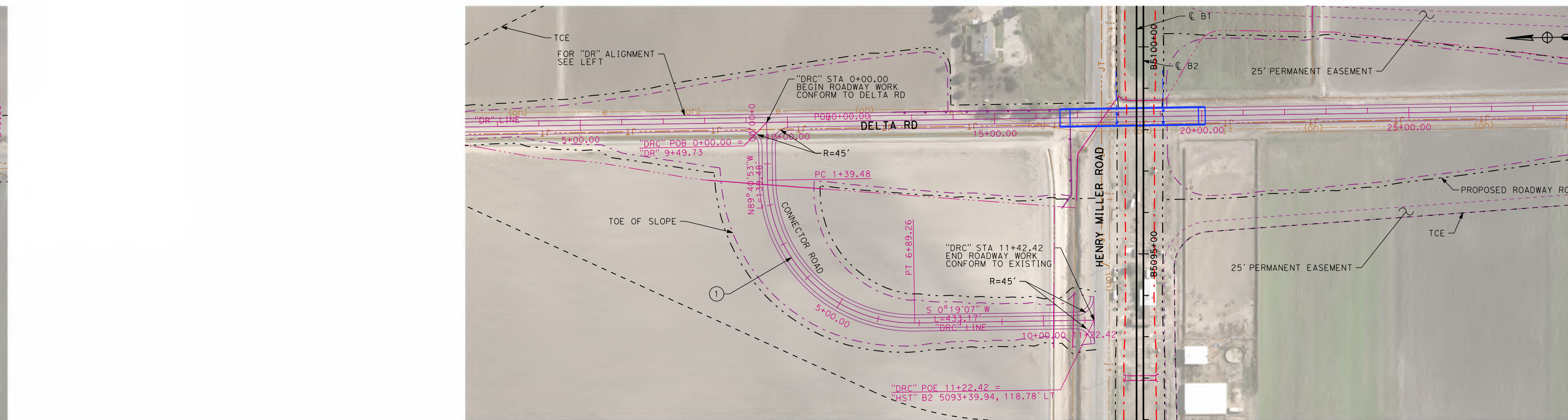
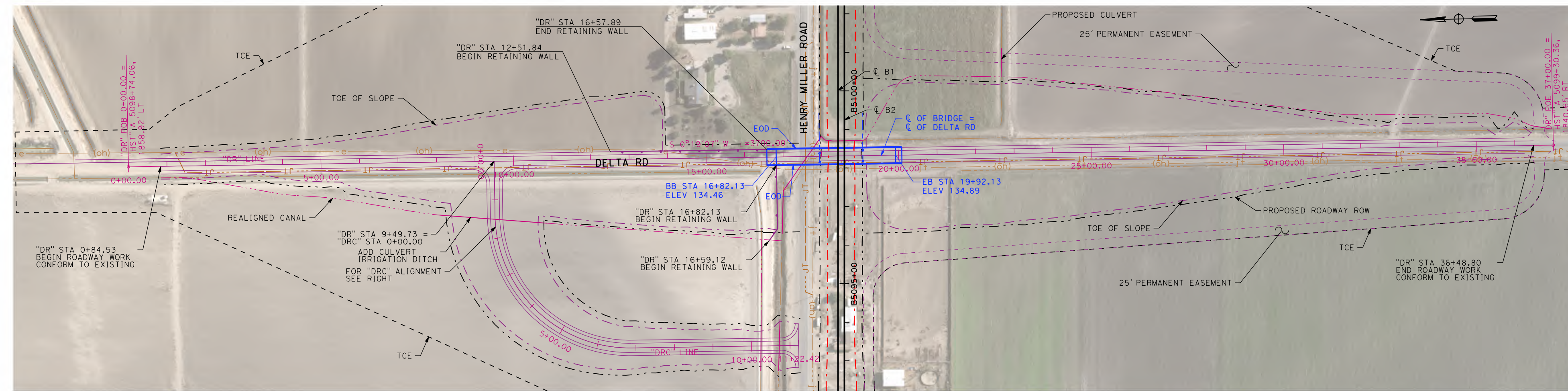
RECORD PERM SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

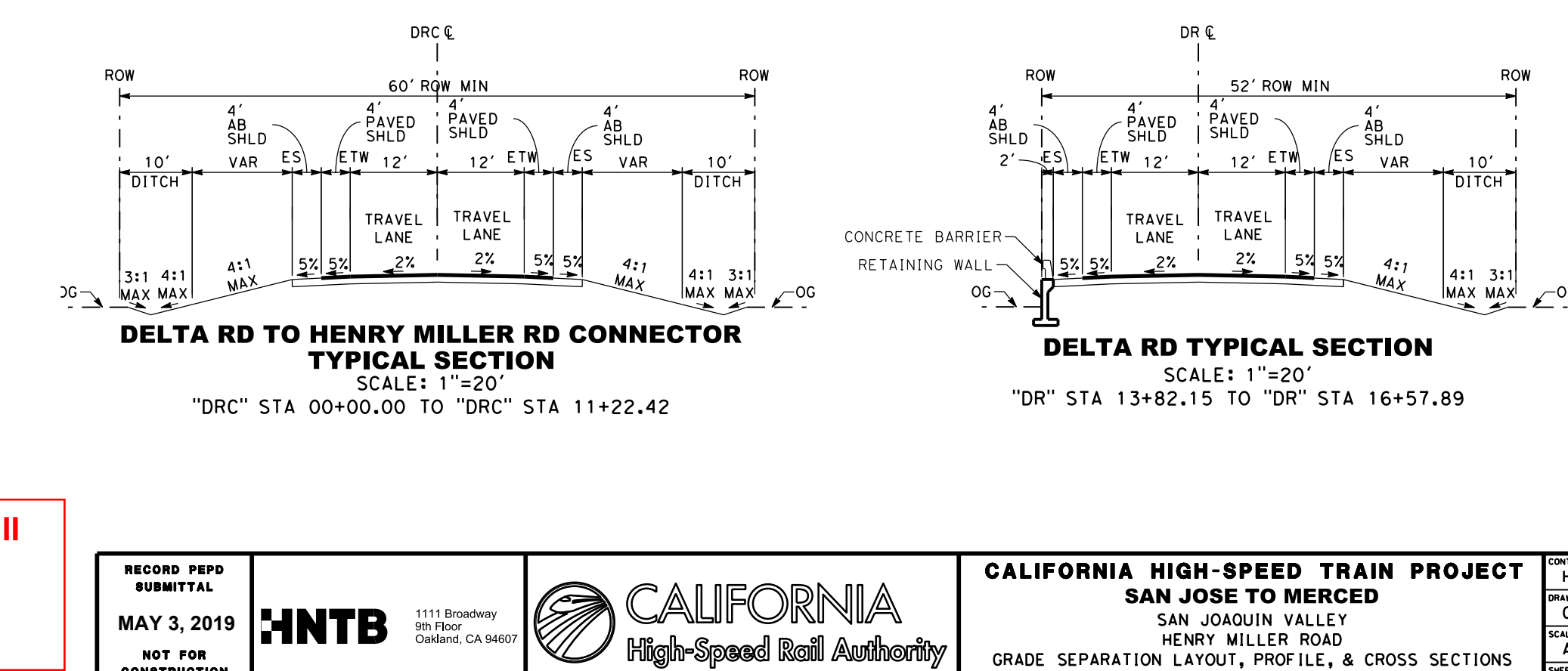
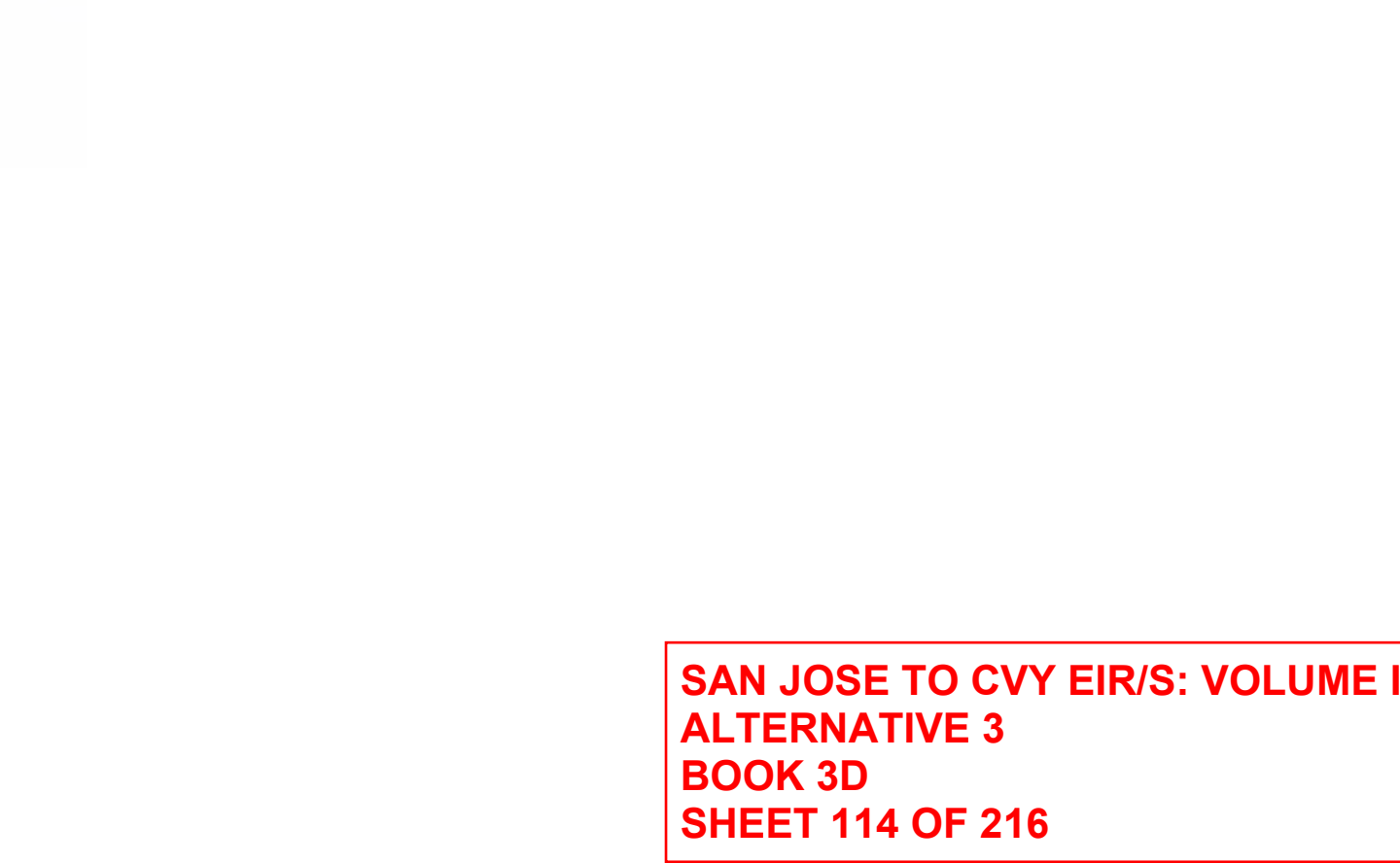
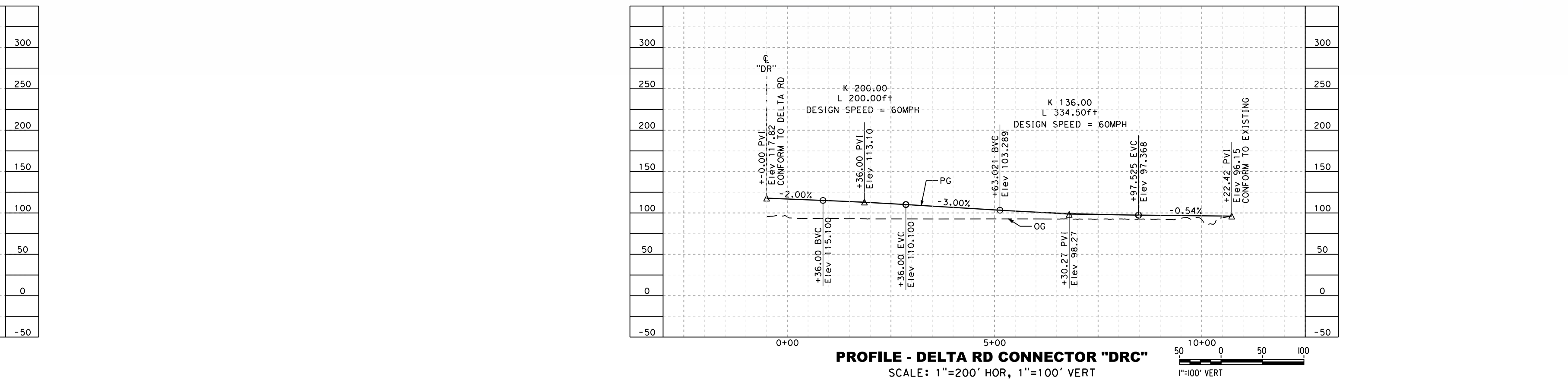
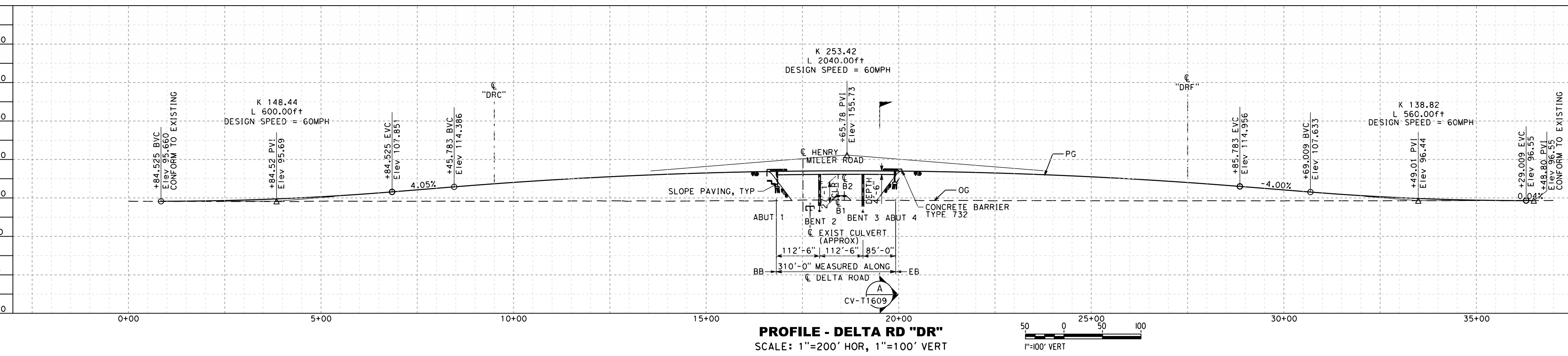
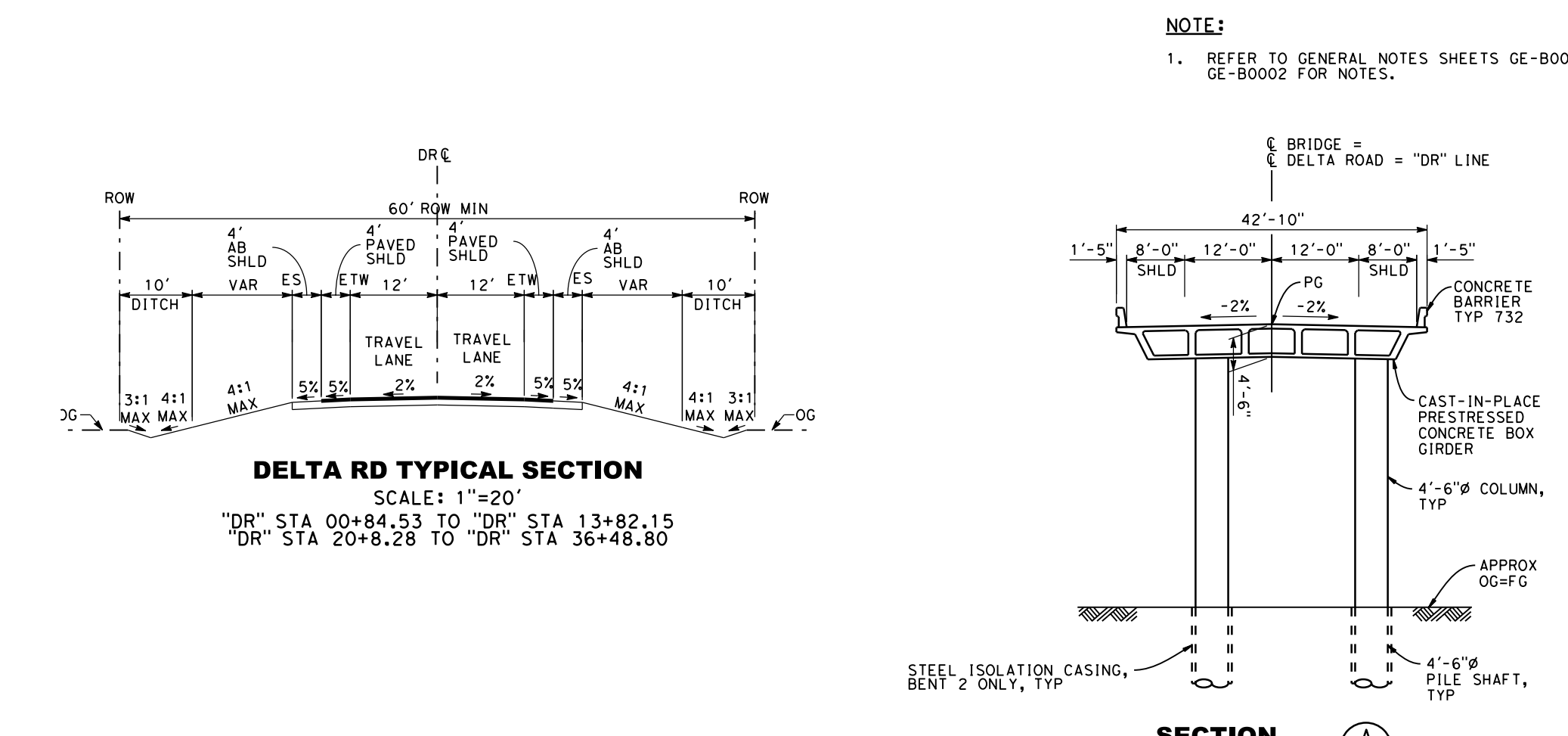
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCY
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
MERCY SPRINGS ROAD

CONTRACT NO. HSR15-34
DRAWING NO. CV-T1606
SCALE AS SHOWN
SHEET NO.

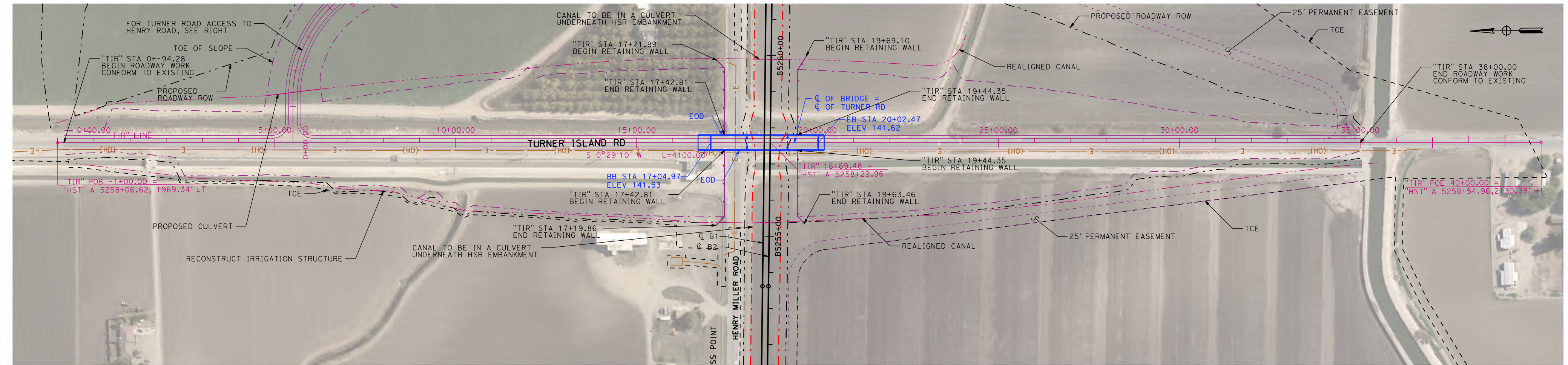


NO.	R	Δ	Δ	Δ
1	350	90°00'00.00"	549.779	350.000

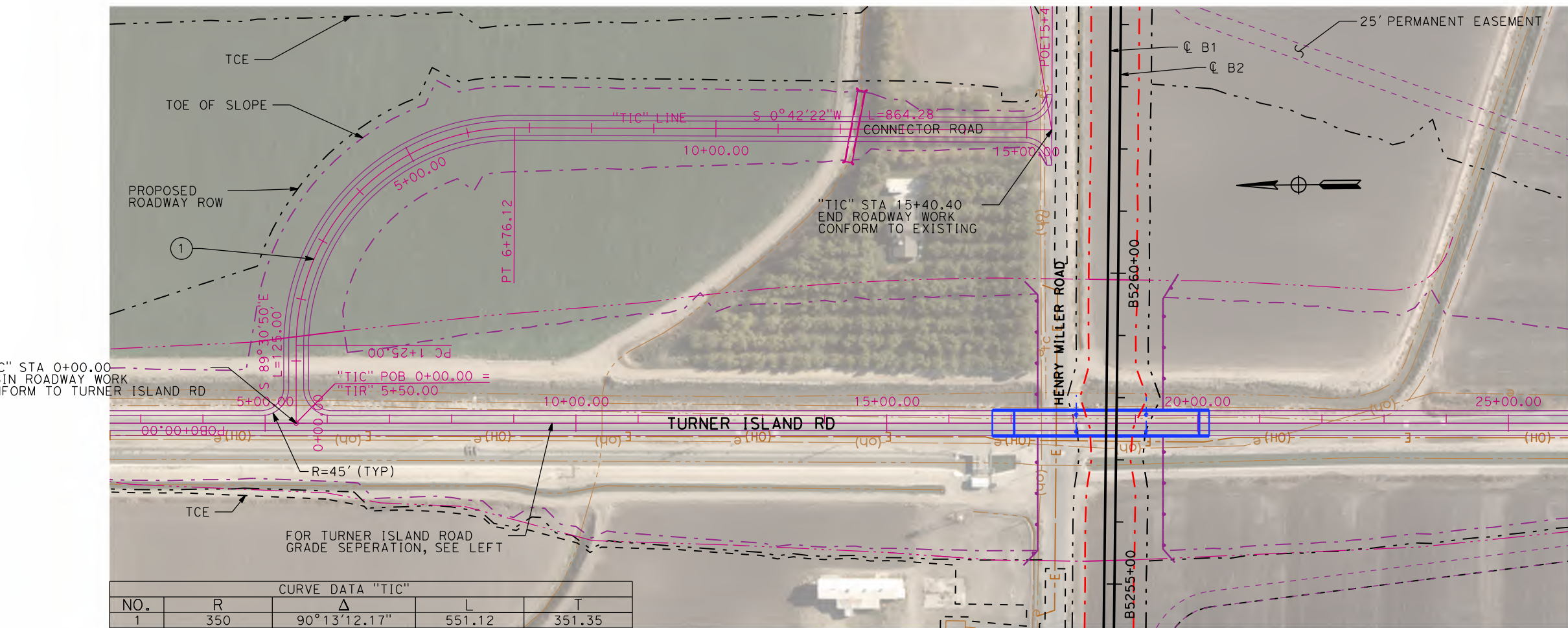


**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 114 OF 216**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS DELTA ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1609 SCALE AS SHOWN SHEET NO.
--	---	--------------------------------------	--	--

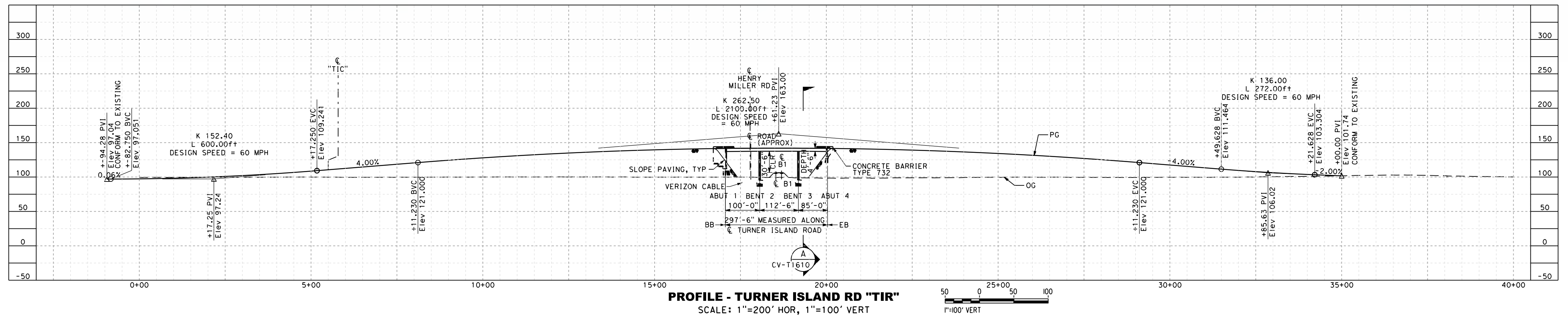


PLAN - TURNER ISLAND RD "TIR"
SCALE: 1"=200'

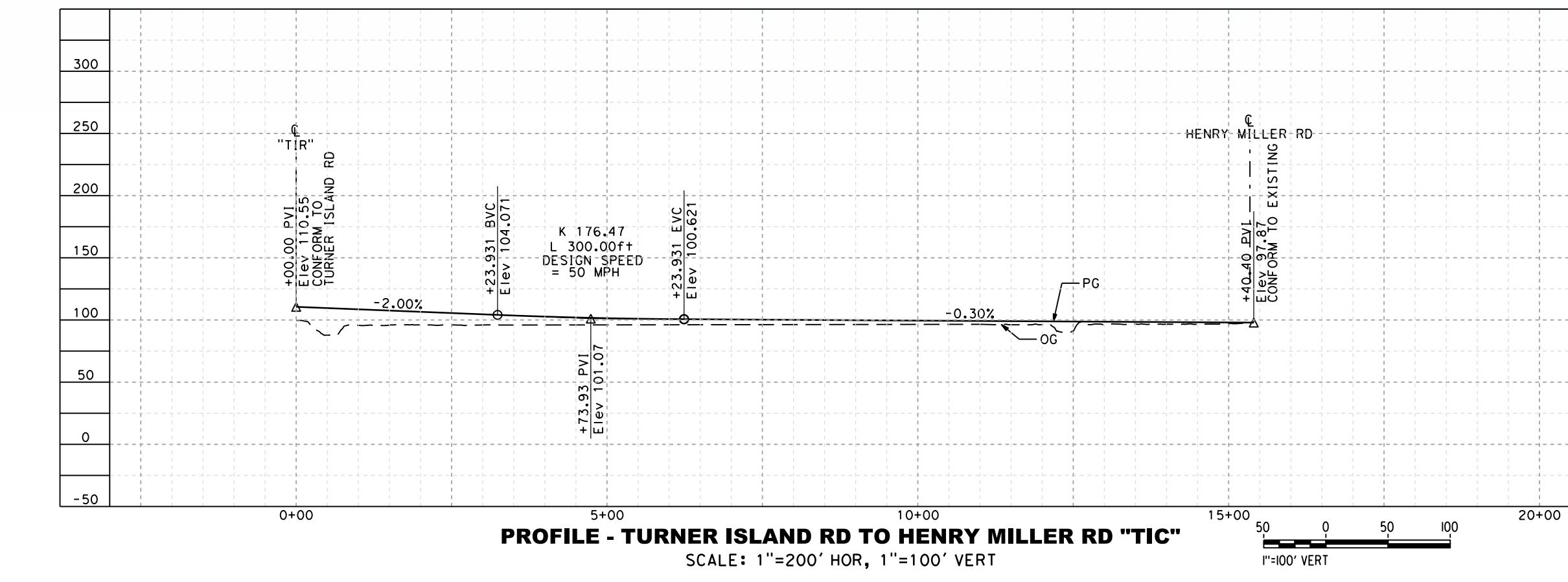


PLAN - TURNER ISLAND RD TO HENRY MILLER RD "TIC"
SCALE: 1"=200'

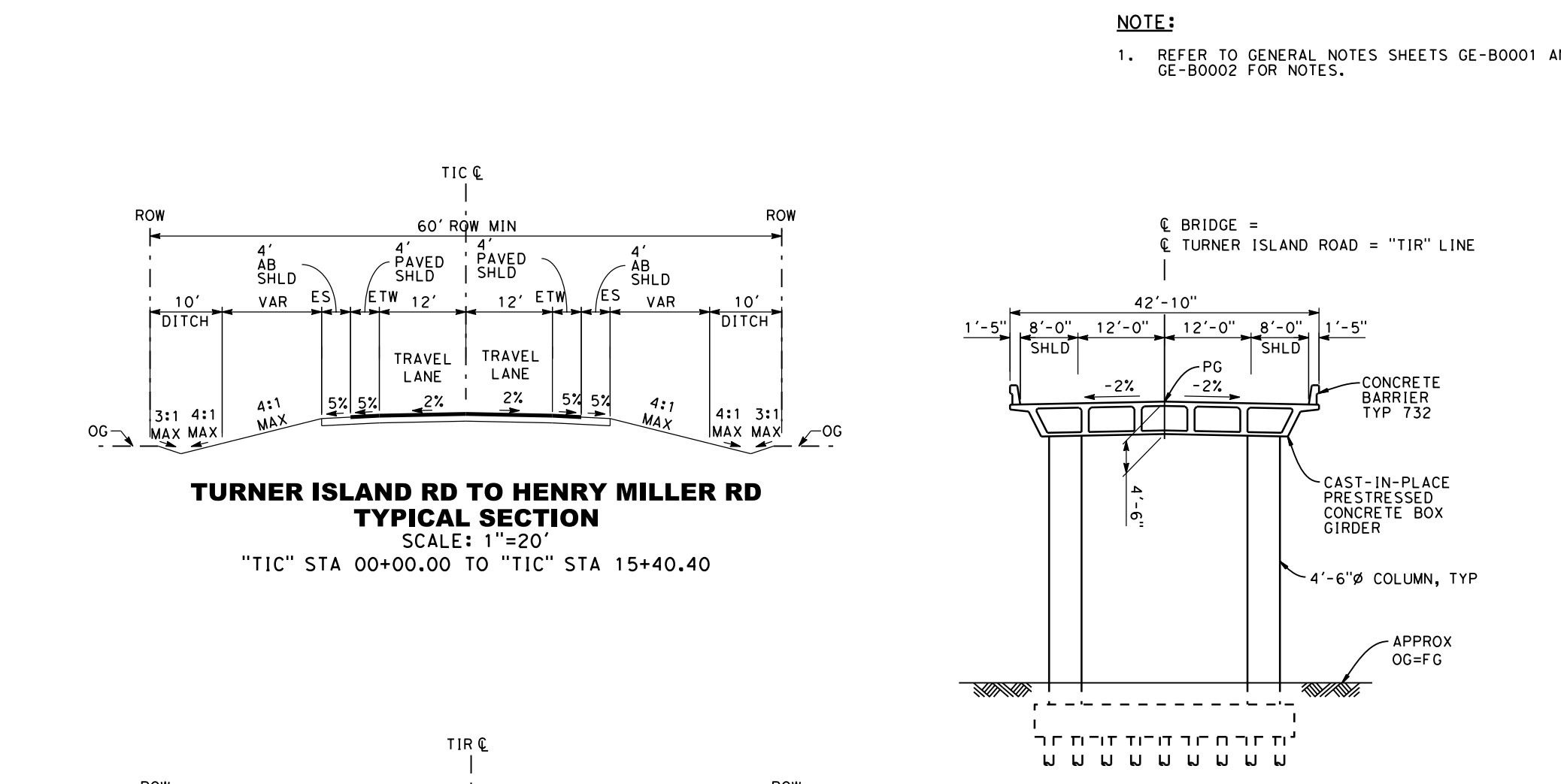
NO.	R	A	L	T
1	350	90°13'12.17"	551.12	351.35



PROFILE - TURNER ISLAND RD "TIR"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - TURNER ISLAND RD TO HENRY MILLER RD "TIC"
SCALE: 1"=200' HOR, 1"=100' VERT



TURNER ISLAND RD TO HENRY MILLER RD
TYPICAL SECTION
SCALE: 1"=20'

"TIC" STA 00+00.00 TO "TIC" STA 15+40.40

TURNER ISLAND RD TYPICAL SECTION
SCALE: 1"=20'

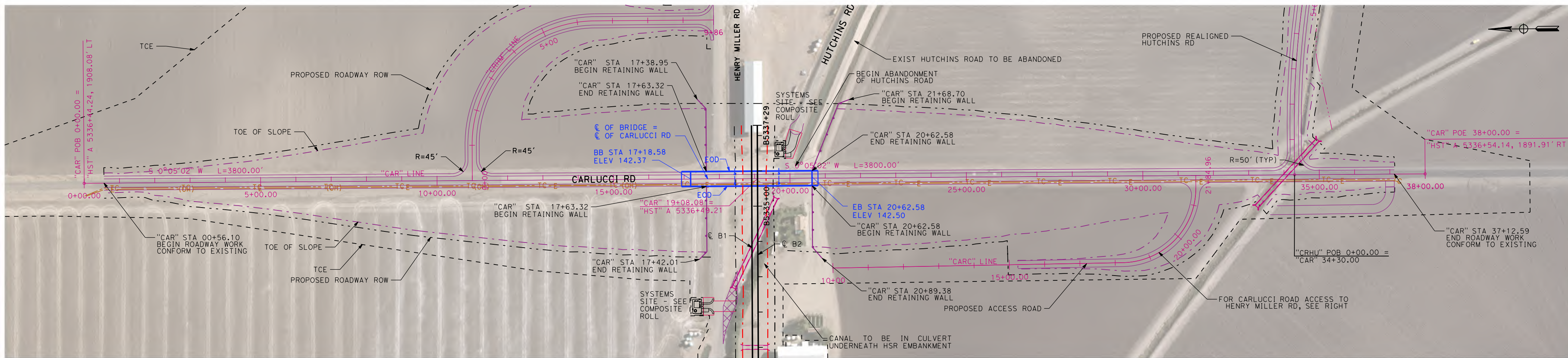
"TIR" STA 00+94.28 TO "TIR" STA 17+04.97
"TIR" STA 20+02.47 TO "TIR" STA 38+00.00

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

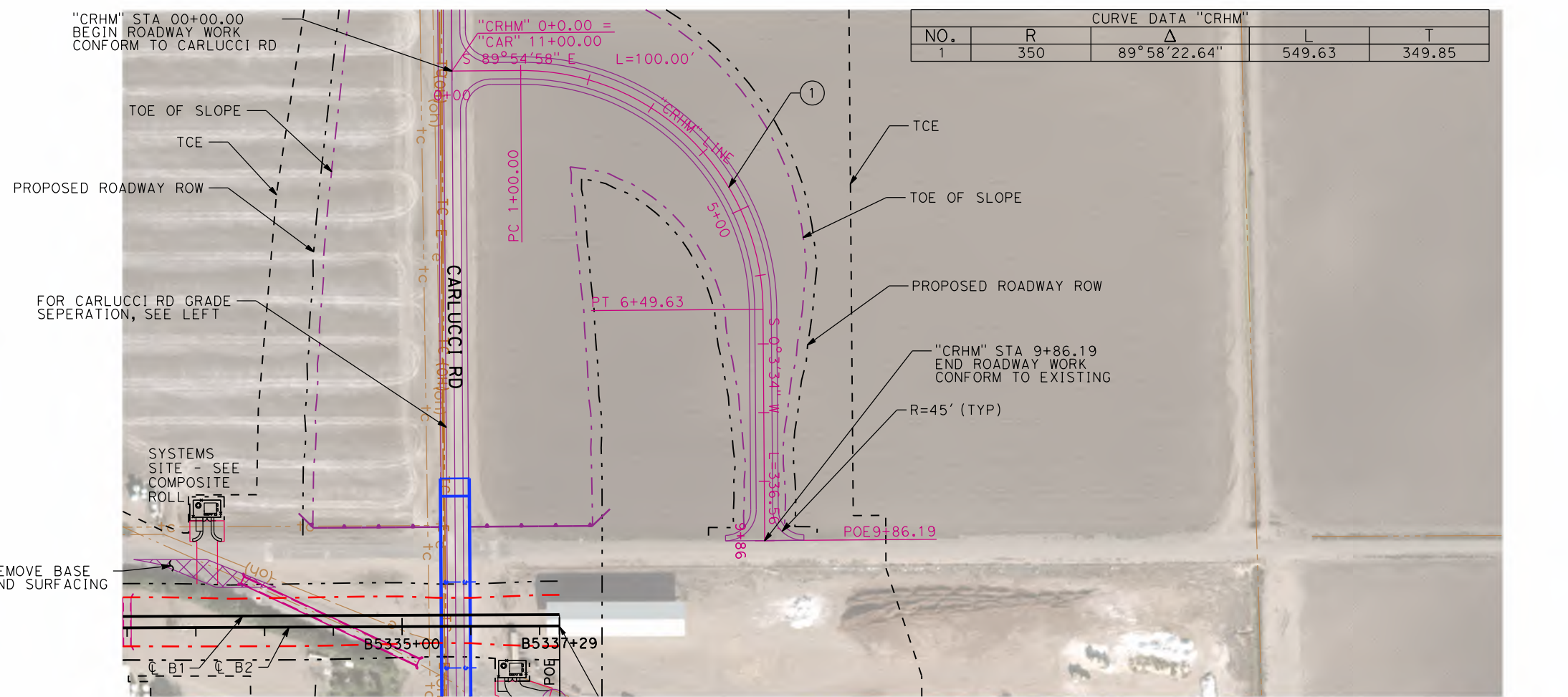
**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 115 OF 216**

2/20/2019 4:55:31 PM C:\Users\jrb\OneDrive\Documents\CVY-T1610.dwg C:\Users\jrb\OneDrive\Documents\CVY-T1610.dwg

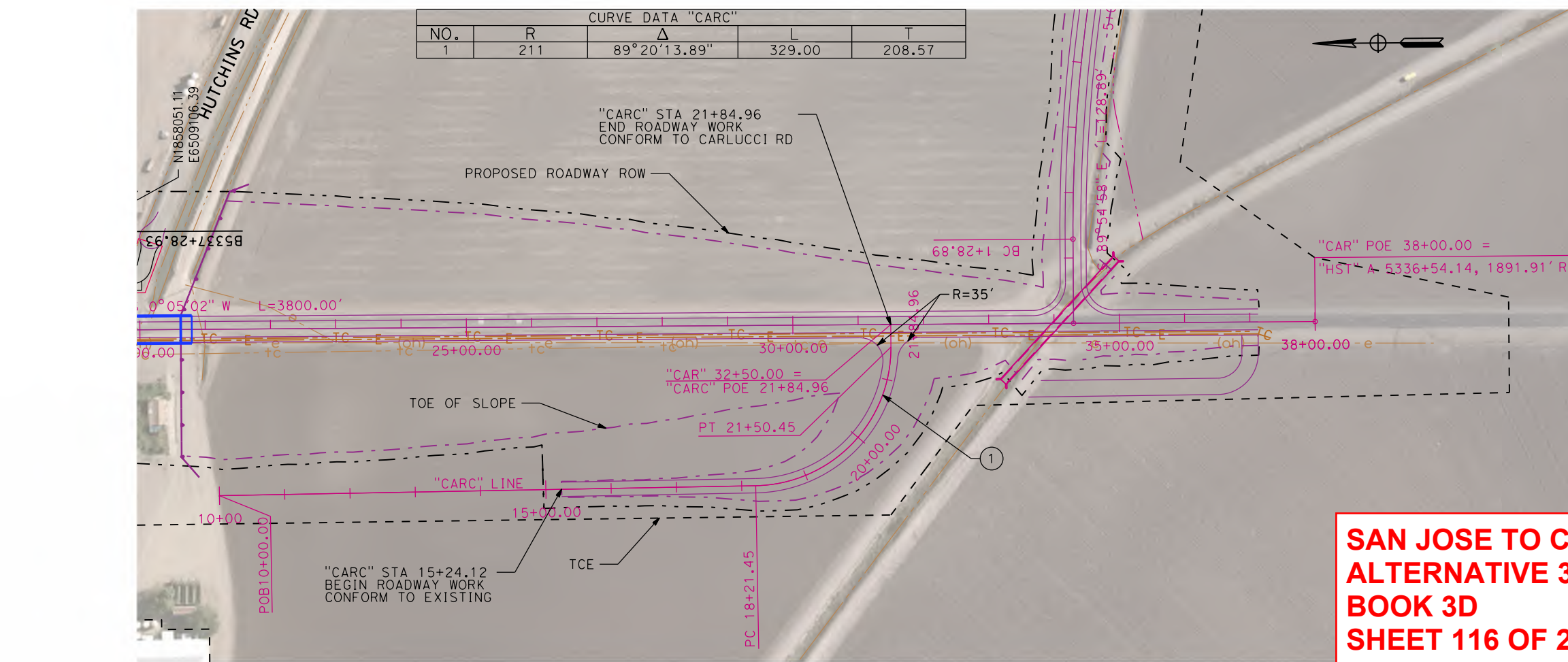
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS TURNER ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1610 SCALE AS SHOWN SHEET NO.
--	--	---	--	---	---



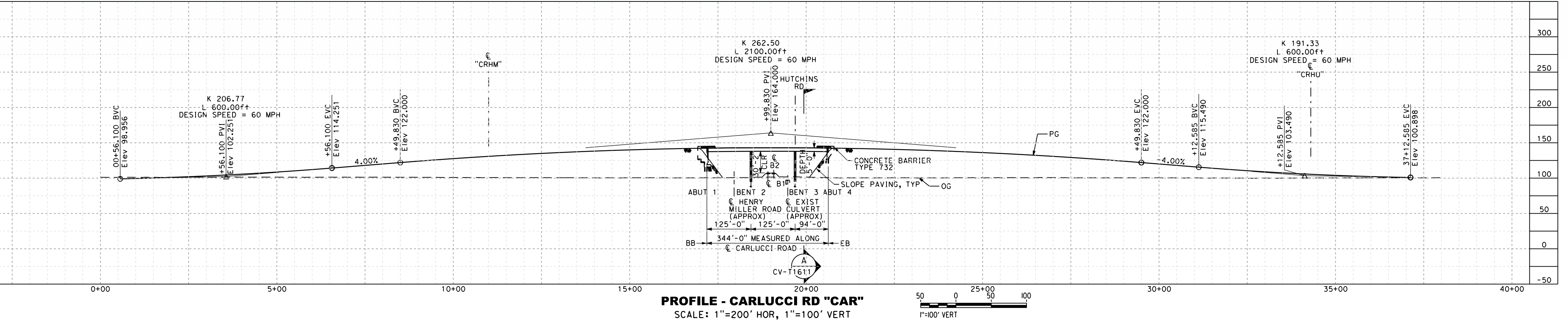
PLAN - CARLUCCI RD "CAR"
SCALE: 1"=200'



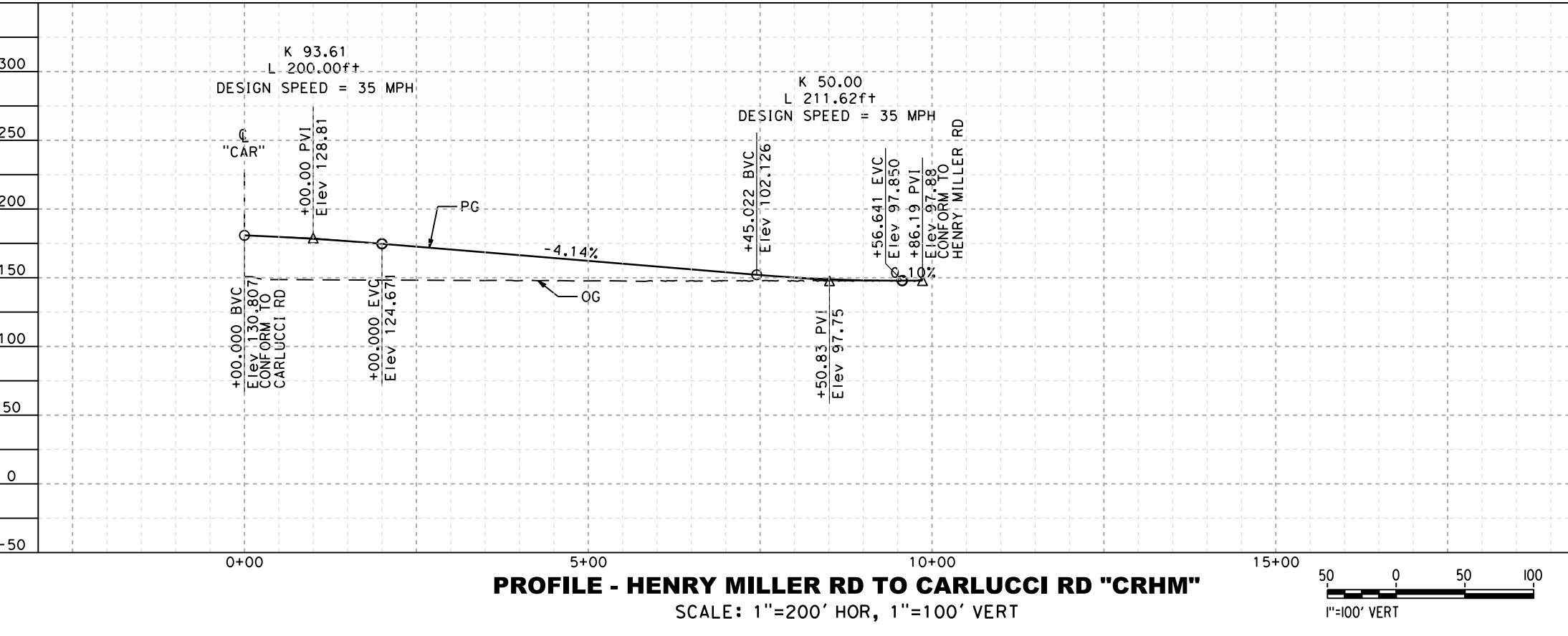
PLAN - HENRY MILLER RD TO CARLUCCI RD "CRHM"
SCALE: 1"=200'



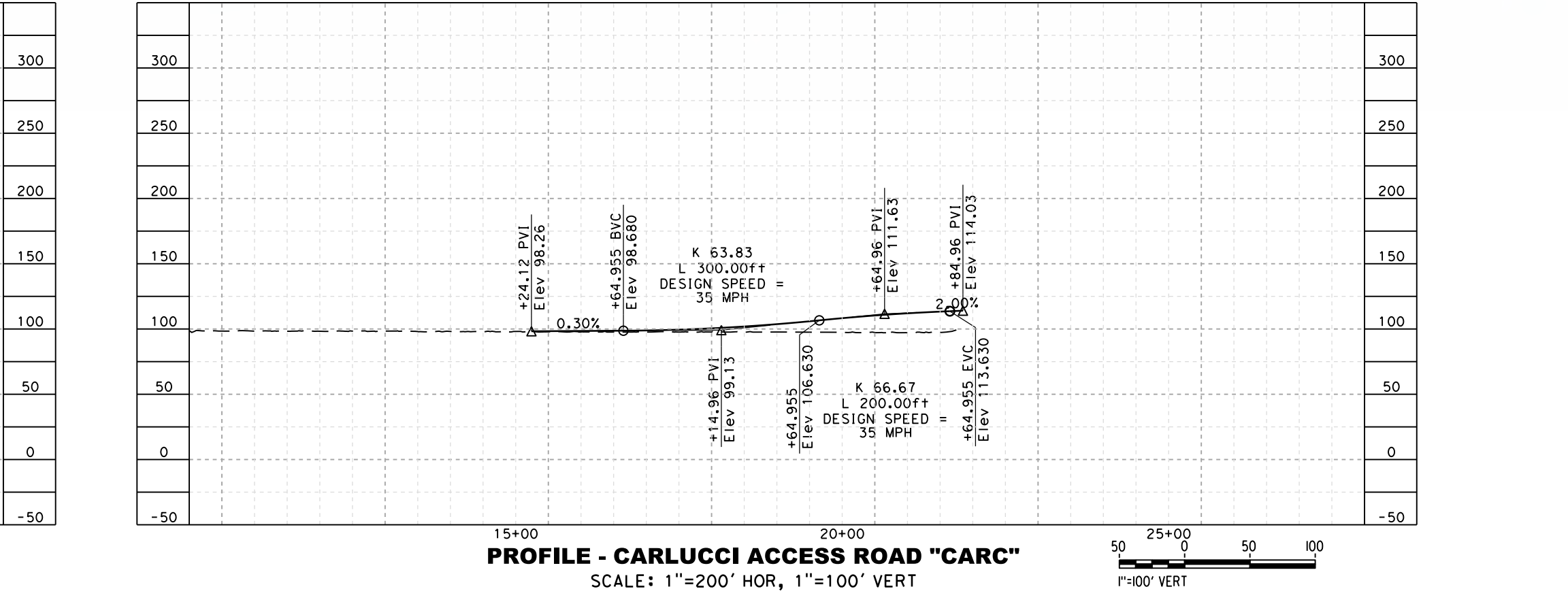
PLAN - CARLUCCI ACCESS ROAD "CARC"
SCALE: 1"=200'



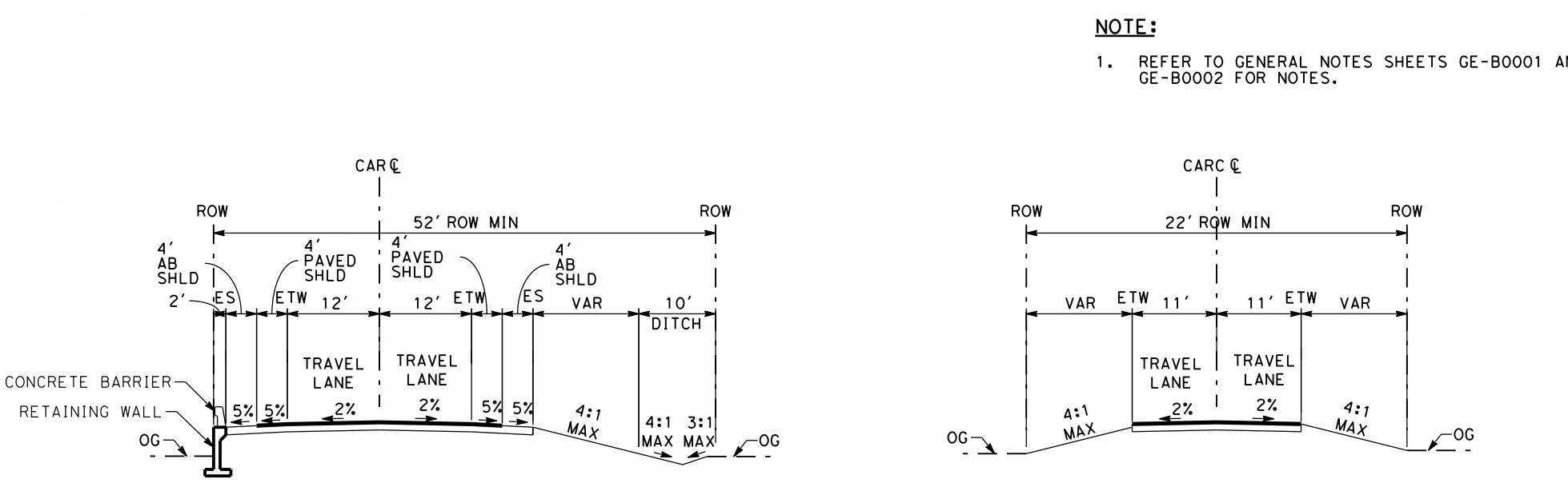
PROFILE - CARLUCCI RD "CAR"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - HENRY MILLER RD TO CARLUCCI RD "CRHM"
SCALE: 1"=200' HOR, 1"=100' VERT

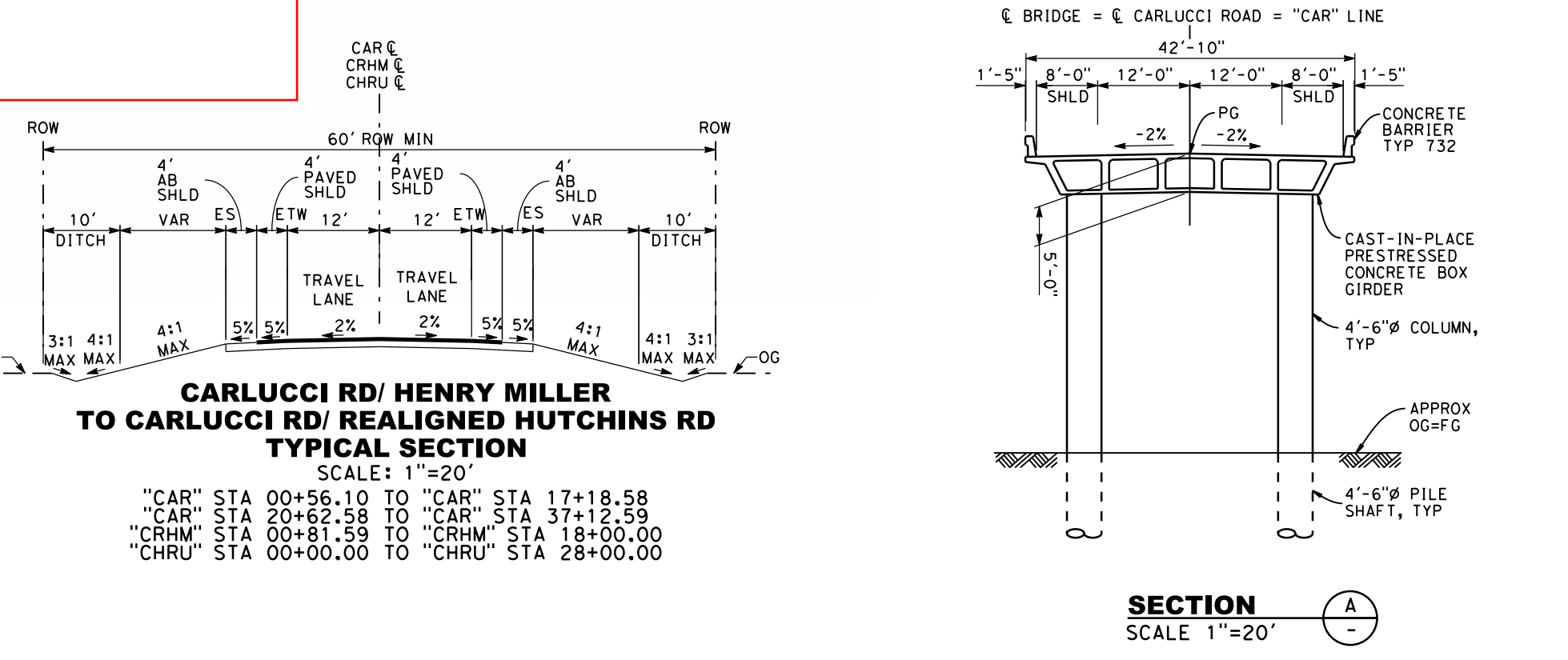


PROFILE - CARLUCCI ACCESS ROAD "CARC"
SCALE: 1"=200' HOR, 1"=100' VERT



CARLUCCI RD TYPICAL SECTION
SCALE: 1"=20'
"CAR" STA 20+79.47 TO "CAR" STA 22+00.00

CARLUCCI ACCESS RD TYPICAL SECTION
SCALE: 1"=20'
"CARC" STA 15+24.12 TO "CARC" STA 21+84.96



CARLUCCI RD/HENRY MILLER RD TO CARLUCCI RD/REALIGNED HUTCHINS RD TYPICAL SECTION
SCALE: 1"=20'

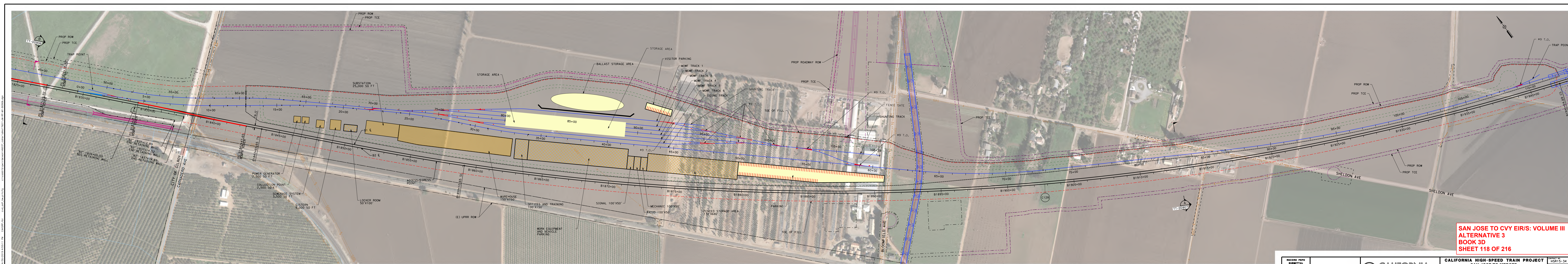
"CAR" STA 00+56.10 TO "CAR" STA 17+18.58
"CAR" STA 20+62.58 TO "CAR" STA 37+12.59
"CRHM" STA 00+81.59 TO "CRHM" STA 18+00.00
"CHRU" STA 00+00.00 TO "CHRU" STA 28+00.00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 116 OF 216

RECORD PERM SUBMITTAL MAY 3, 2019	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS CARLUCCI ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1611 SCALE AS SHOWN SHEET NO.
--------------------------------------	---	--------------------------------------	---	--

2/20/2019 4:55:11 PM C:\Users\lhw\OneDrive\Documents\SanJose\11811_Maint\B-0906.dgn

calhsr.tbl

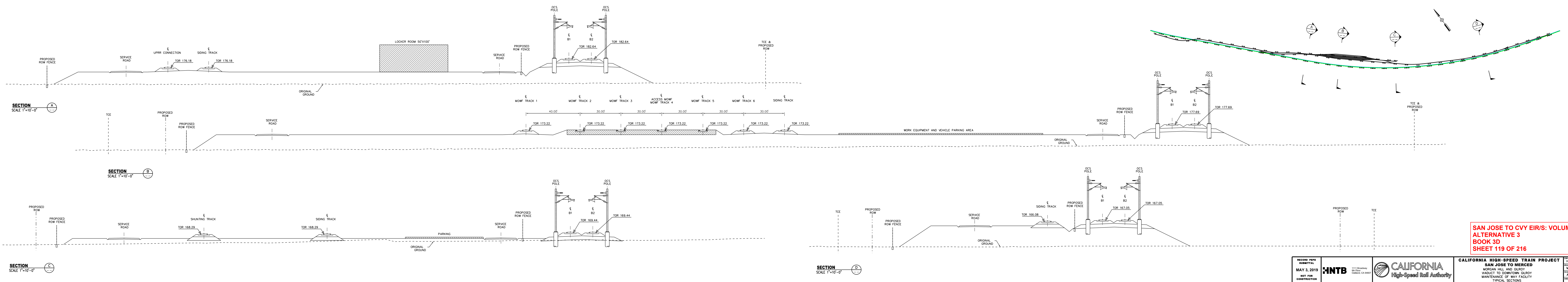


PLAN
SCALE: 1"=200'

0 100 200
1"=200' HOR

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY MAINTENANCE OF WAY FACILITY DETAIL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. MY-B0906 SCALE: AS SHOWN SHEET NO.
--	--	---	--	--	---

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 118 OF 216



SECTION A
SCALE 1"=10'-0"

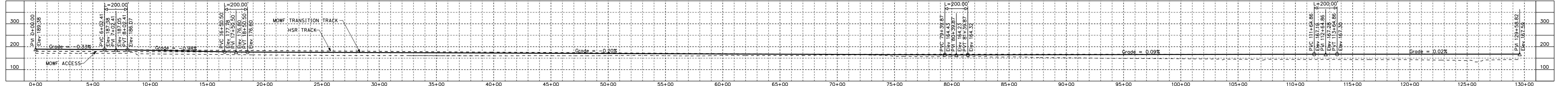
SECTION B
SCALE 1"=10'-0"

SECTION C
SCALE 1"=10'-0"

SECTION D
SCALE 1"=10'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 119 OF 216

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY MAINTENANCE OF WAY FACILITY TYPICAL SECTIONS	CONTRACT NO. HSR15-34 DRAWING NO. MY-B0907 SCALE AS SHOWN SHEET NO.
---	--	--	---	--



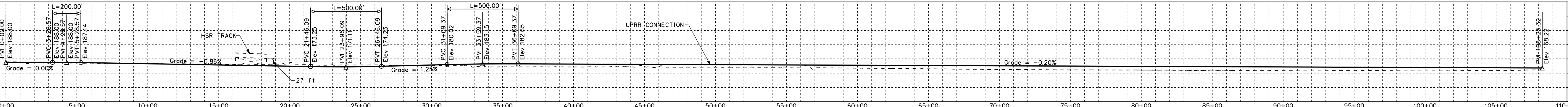
MOWF TRANSITION TRACK PROFILE

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	POB	0+00.00	1816309.47	6256326.95						
Tangent	TS	3+73.51	1816045.46	6256591.16						
Clothoid	TS	3+73.51	1816045.46	6256591.16						
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						
Arc	SC	5+08.51	1815950.57	6256687.19						
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						
Clothoid	CS	9+95.44	1815634.37	6257057.09						
Clothoid	SPI	10+40.44	1815607.27	6257093.02	135		0°58'01"	Left	67.5	0.19
Clothoid	ST	11+30.44	1815554.28	6257165.76						
Tangent	ST	11+30.44	1815554.28	6257165.76						
Tangent	TS	15+37.30	1815314.72	6257494.63						
Clothoid	TS	15+37.30	1815314.72	6257494.63						
Clothoid	SPI	16+27.31	1815261.73	6257567.38	135		0°58'01"	Right	67.5	0.19
Clothoid	SC	16+72.30	1815234.63	6257603.3						
Arc	SC	16+72.30	1815234.63	6257603.3						
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						
Clothoid	CS	19+38.27	1815067.48	6257810.14						
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						

MOWF TRANSITION TRACK HORIZONTAL ALIGNMENT

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	ST	20+73.27	1814978.05	6257911.26						
Tangent	TS	22+96.78	1814829.03	6258077.84						
Clothoid	TS	22+96.78	1814829.03	6258077.84						
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						
Arc	SC	24+31.78	1814738.46	6258177.95						
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						
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	0.19
Clothoid	ST	28+74.11	1814421.22	6258485.92						
Tangent	ST	28+74.11	1814421.22	6258485.92						
Tangent	TS	29+62.32	1814355.51	6258544.77						
Clothoid	TS	29+62.32	1814355.51	6258544.77						
Clothoid	SPI	30+52.32	1814288.47	6258604.82	135		0°58'01"	Left	67.5	0.19
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							
Arc	CS	34+04.64	1814038.27	6258852.74						
Clothoid	CS	34+04.64	1814038.27	6258852.74						
Clothoid	SPI	34+49.64	1814007.7	6258885.77	135		0°58'01"	Left	67.5	0.19
Clothoid	ST	35+39.64	1813947.7	6258952.85						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	ST	35+39.64	1813947.7	6258952.85						
Tangent	TS	62+64.00	1812131.34	6260983.36						
Clothoid	TS	62+64.00	1812131.34	6260983.36						
Clothoid	SPI	63+24.00	1812091.34	6261028.08	90		0°30'56"	Left	45	0.07
Clothoid	SC	63+54.00	1812071.54	6261050.61						
Arc	SC	63+54.00	1812071.54	6261050.61						
Arc	PI	68+19.10	1811764.58	6261400.04	5000	927.53	10°37'43"	Left		
Arc	CC	1815827.97	6264350.49							
Arc	CS	72+81.51	1811527.35	6261800.08						
Clothoid	CS	72+81.51	1811527.35	6261800.08						
Clothoid	SPI	73+11.51	1811512.04	6261825.88	90		0°30'56"	Left	45	0.07
Clothoid	ST	73+71.51	1811481.9	6261877.77						
Tangent	ST	73+71.51	1811481.9	6261877.77						
Tangent	TS	85+56.62	1810886.6	6262902.51						
Clothoid	TS	85+56.62	1810886.6	6262902.51						
Clothoid	SPI	86+23.29	1810853.11	6262960.15	100		0°15'21"	Left	50	0.04
Clothoid	SC	86+56.62	1810836.49	6262989.05						
Arc	SC	86+56.62	1810836.49	6262989.05						
Arc	PI	94+04.04	1810294.01	6253417.78	15983.5	605.62	2°10'15"	Left		
Arc	CC	1828949.58	6266158.82							
Arc	CS	8+96.81	1819056.16	6253605.23						
Clothoid	CS	8+96.81	1819056.16	6253605.23						
Clothoid	SPI	9+46.26	1819017.32	6253635.84	77.5		1°37'09"	Left	35.11	0.15
Clothoid	SC	9+74.31	1818995.78	6253653.82						
Arc	SC	9+74.31	1818995.78	6253653.82						
Arc	PI	12+41.73	1818790.51	6253825.22	1500	529.28	20°13'02"	Left		
Arc	CC	1819957.17	6254805.23							
Arc	CS	15+03.59	1818657.11	6254056.99						
Clothoid	CS	15+03.59	1818657.11	6254056.99						
Clothoid	SPI	15+29.43	1818644.22	6254079.39	77.5		1°28'49"	Left	38.75	0.17
Clothoid	ST	15+81.09	1818619.62	6254124.82						



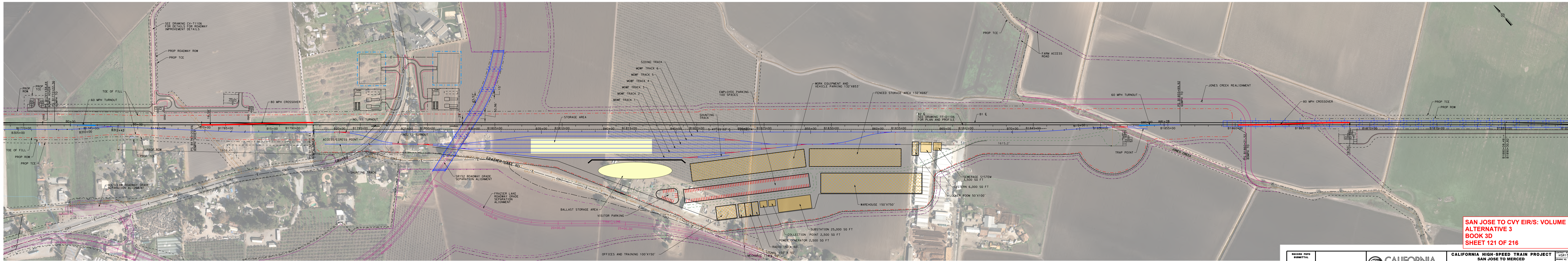
UPRR CONNECTION TRACK PROFILE

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Arc	PC	0+00.00	1819765.28	6253056.62						
Arc	PI	0+43.18	1819730.13	6253081.71	949.98	86.3	5°12'18"	Left		
Arc	CC	1820317.23	6253829.81							
Arc	PT	0+86.30	1819697.41	6253109.88						
Tangent	PT	0+86.30	1819697.41	6253109.88						
Tangent	PC	1+61.17	1819640.67	6253158.73						
Arc	PC	1+61.17	1819640.67	6253158.73						
Arc	PI	2+26.22	1819591.38	6253201.17	1600	130.02	4°39'22"	Right		
Arc	CC	1818596.75	6251946.2							
Arc	PRC	2+91.19	1819538.8	6253239.47						
Arc	PRC	2+91.19	1819538.8	6253239.47						
Arc	PI	5+94.04	1819294.01	6253417.78	15983.5	605.62	2°10'15"	Left		
Arc	CC	1828949.58	6266158.82							
Arc	CS	8+96.81	1819056.16	6253605.23						
Clothoid	CS	8+96.81	1819056.16	6253605.23						
Clothoid	SPI	9+46.26	1819017.32	6253635.84	77.5		1°37'09"	Left	35.11	0.15
Clothoid	SC	9+74.31	1818995.78	6253653.82						
Arc	SC	9+74.31	1818995.78	6253653.82						
Arc	PI	12+41.73	1818790.51	6253825.22	1500	529.28	20°13'02"	Left		
Arc	CC	1819957.17	6254805.23							
Arc	CS	15+03.59	1818657.11	6254056.99						
Clothoid	CS	15+03.59	1818657.11	6254056.99						
Clothoid	SPI	15+29.43	1818644.22	6254079.39	77.5		1°28'49"	Left	38.75	0.17
Clothoid	ST	15+81.09	1818619.62	6254124.82						

UPRR CONNECTION TRACK HORIZONTAL ALIGNMENT

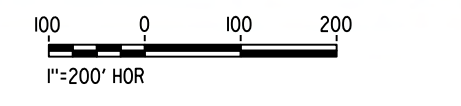
Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	ST	15+81.09	1818619.62	6254124.82						
Tangent	TS	17+49.90	1818539.22	6254273.25						
Clothoid	TS	17+49.90	1818539.22	6254273.25						
Clothoid	SPI	18+32.58	1818499.84	6254345.95	124		3°33'08"	Right	61.99	0.64
Clothoid	SC	18+73.90	1818477.93	6254381.02						
Arc	SC	18+73.90	1818477.93	6254381.02						
Arc	PI	19+78.08	1818422.73	6254469.37	1000	207.61	11°53'44"	Right		
Arc	CC	1817629.83	6253851.18							
Arc	CS	20+81.51	1818350.51	6254544.45						
Clothoid	CS	20+81.51	1818350.51	6254544.45						
Clothoid	SPI	21+22.86	1818321.84	6254574.25	124		3°33'08"	Right	61.99	0.64
Clothoid	ST	22+05.51	1818260.94	6254630.17						
Tangent	ST	22+05.51	1818260.94	6254630.17						
Tangent	TS	50+50.89	1816165.04	6256554.6						
Clothoid	TS	50+50.89	1816165.04	6256554.6						
Clothoid	SPI	51+44.23	1816096.29	6256617.72	140		1°15'12"	Left	70	0.26
Clothoid	SC	51+90.89	1816062.61	6256650.03						
Arc	SC	51+90.89	1816062.61	6256650.03						
Arc	PI	54+31.48	1815889	6256816.58	3200	480.26	8°35'57"	Left		
Arc	CC	1818277.91	6258959.24							
Arc	CS	56+71.16	1815742.24	6257007.22						

Element



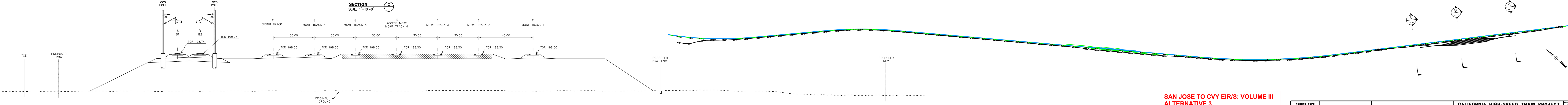
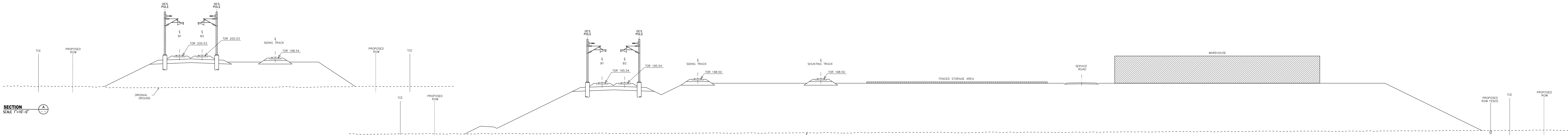
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 121 OF 216

PLAN
 SCALE: 1"=200'



RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO EAST GILROY MAINTENANCE OF WAY FACILITY DETAIL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. MY-B1106 SCALE AS SHOWN SHEET NO.
---	--	---	--	---	---

C:\Users\jrb\OneDrive\Documents\46037_Corner\Sheet\1222_MyB-1107.dwg
 4/29/2019 3:18:29 PM
 cad.pdf
 2019.11.18



SECTION B
SCALE 1"=10'-0"

SECTION C
SCALE 1"=10'-0"

SECTION A
SCALE 1"=10'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 122 OF 216

RECORD PERM
SUBMITTAL
MAY 3, 2019
NOT FOR
CONSTRUCTION

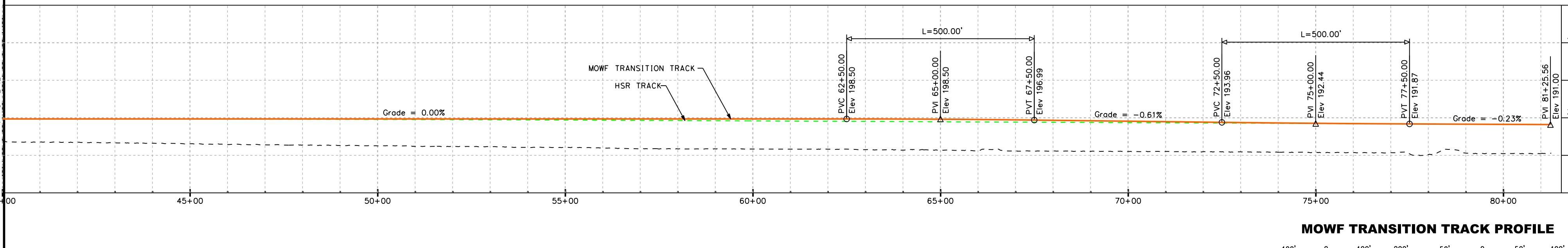
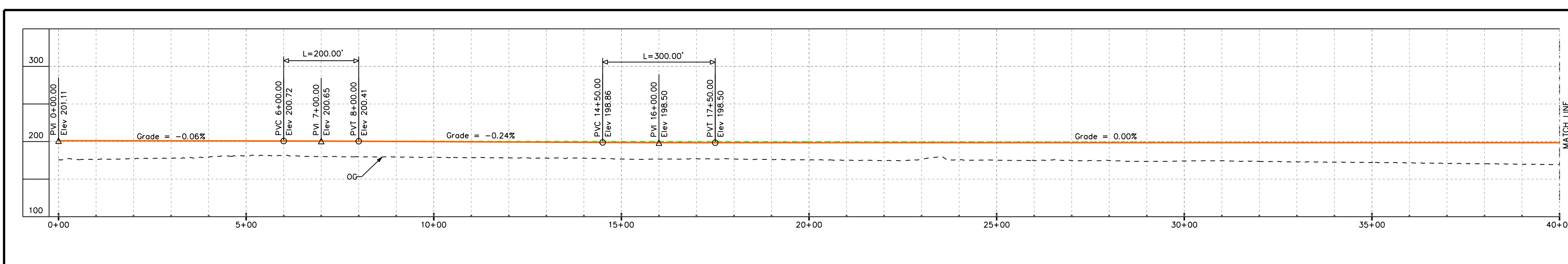
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN JOSE TO MERCED

MORGAN HILL AND GILROY
VIADUCT TO EAST GILROY
MAINTENANCE FACILITY
TYPICAL SECTIONS

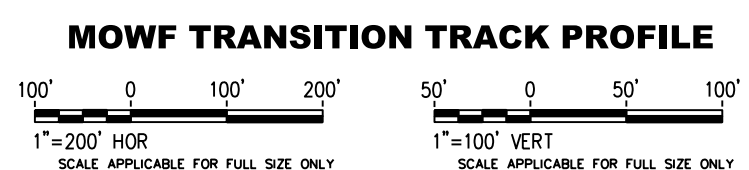
CONTRACT NO. HSR15-34
 DRAWING NO. MY-B1107
 SCALE AS SHOWN
 SHEET NO.



Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	POB	0+00.00	1825427.10	6260711.01						
Tangent	PC	11+93.01	1824590.35	6261561.37						
Arc	PI	12+44.61	1824554.16	6261598.15	2400	103.2	2°27'49"	Left		
Arc	CC	12+96.20	1824519.58	6261636.46						
Tangent	PT	12+96.20	1824519.58	6261636.46						
Tangent	PC	69+94.26	1820701.35	6265866.00						
Arc	PI	71+89.57	1820570.47	6266010.98	5000	390.44	4°28'27"	Left		
Arc	CC	73+84.68	1820451.30	6266165.72						
Arc	PT	73+84.68	1820451.30	6266165.72						

MOWF TRANSITION TRACK HORIZONTAL ALIGNMENT

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	PT	73+84.68	1820451.30	6266165.72						
Tangent	PC	74+77.69	1820394.55	6266239.41						
Arc	PI	74+77.69	1820394.55	6266239.41						
Arc	CC	75+65.42	1816433.11	6263188.67	5000	175.44	2°00'38"	Right		
Arc	PT	76+53.13	1820285.09	6266376.51						
Tangent	PT	76+53.13	1820285.09	6266376.51						
Tangent	POE	81+27.57	1819982.60	6266742.01						

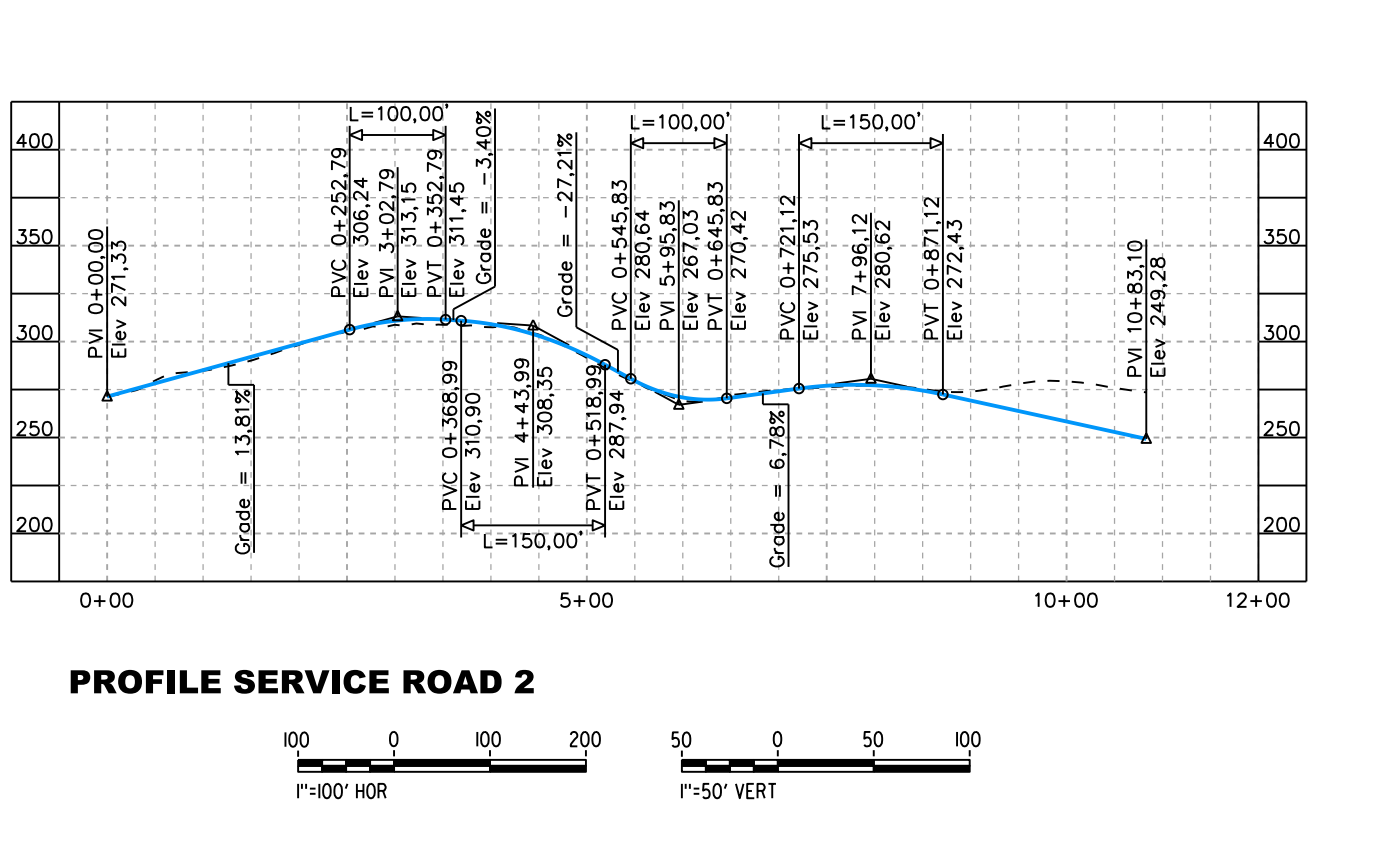
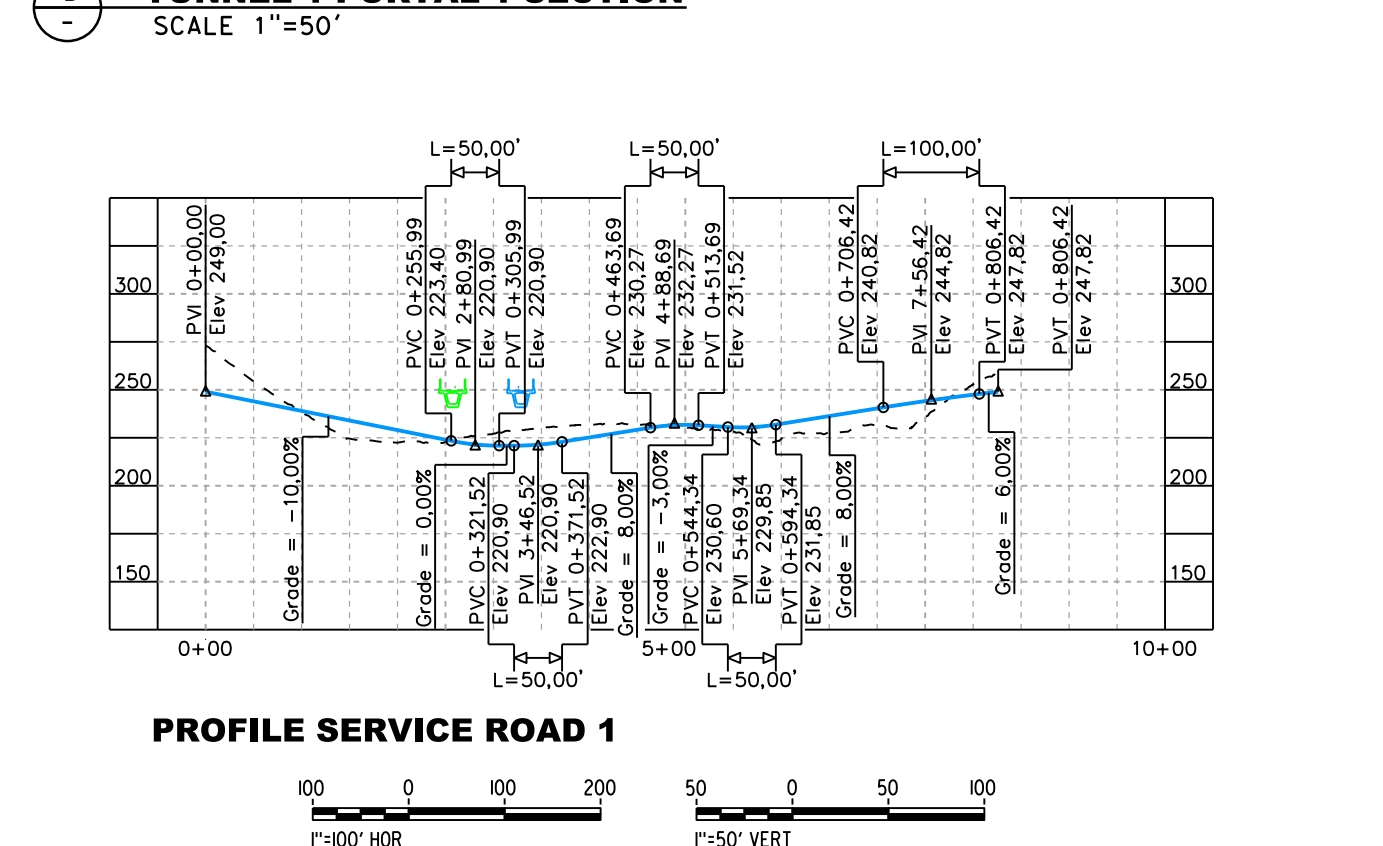
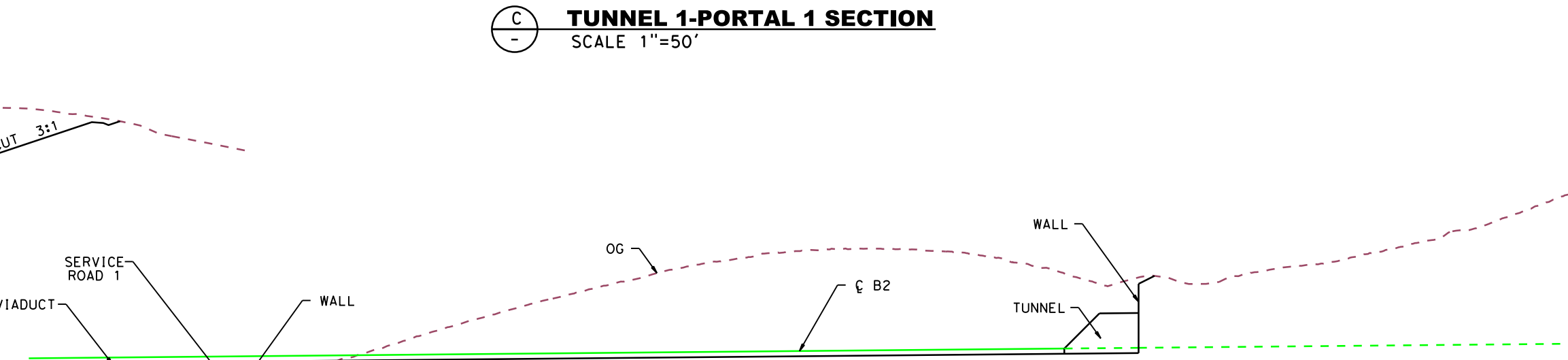
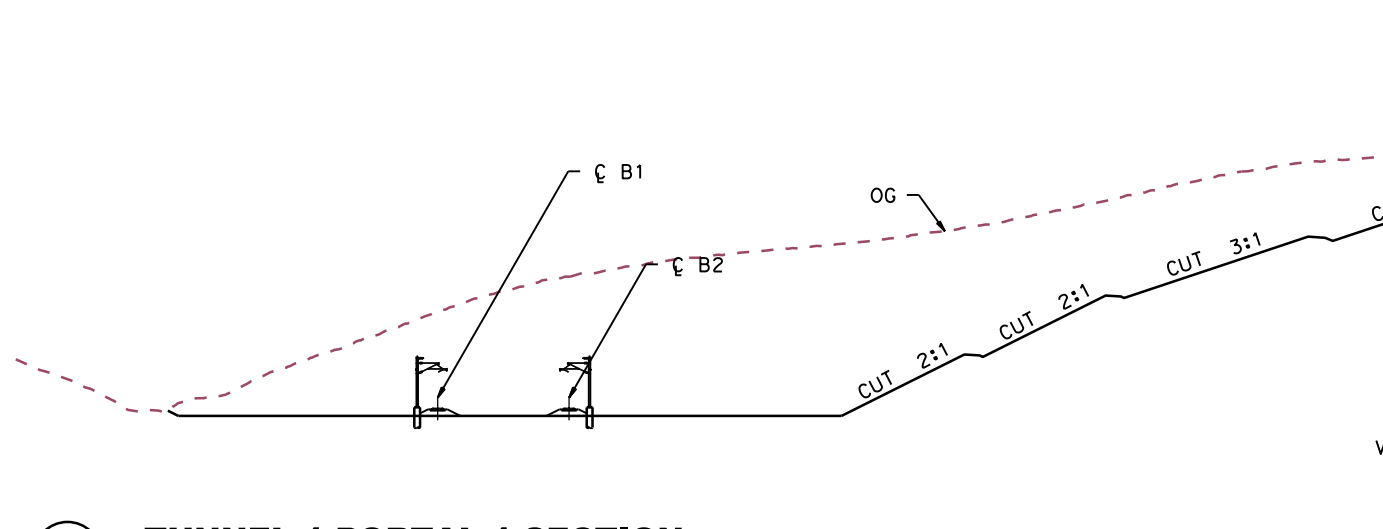
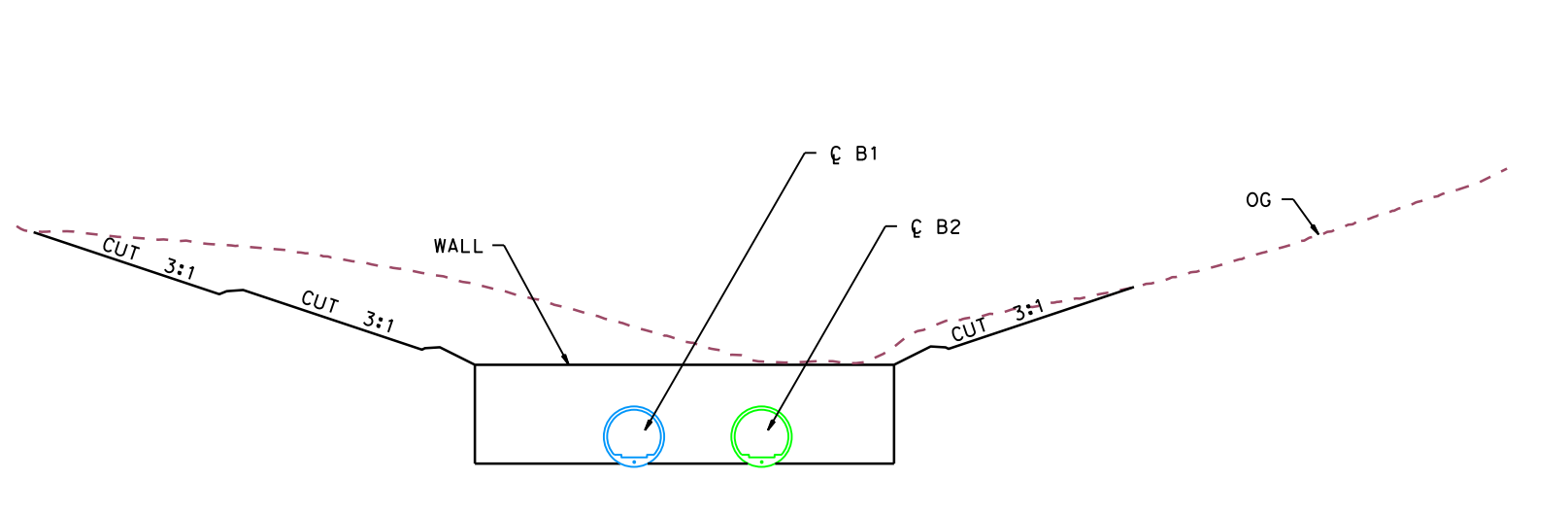
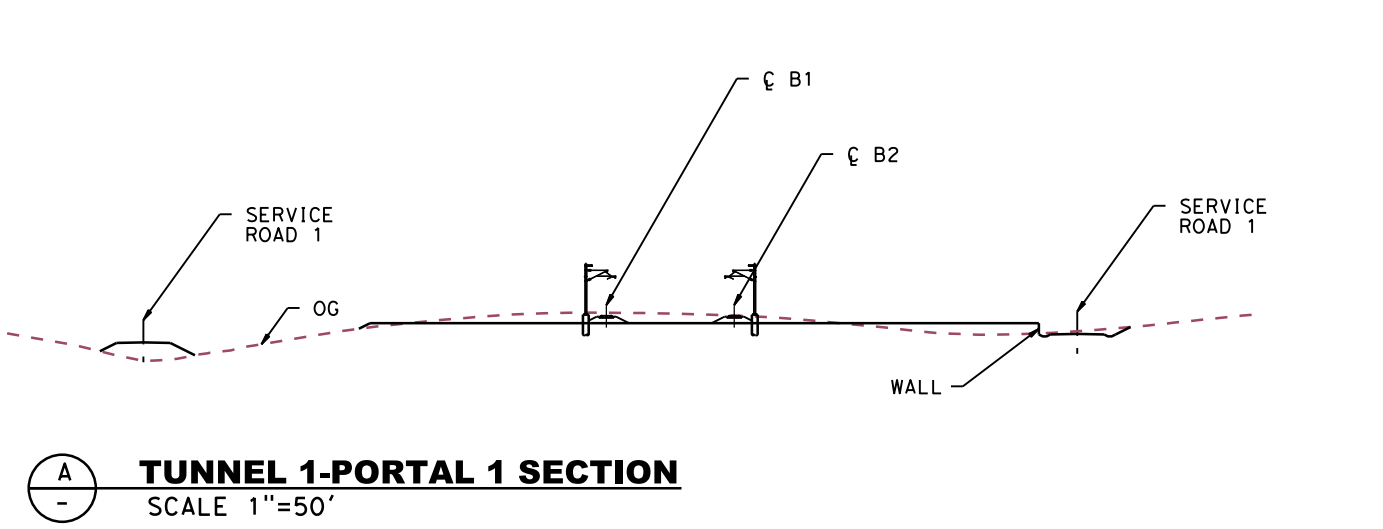
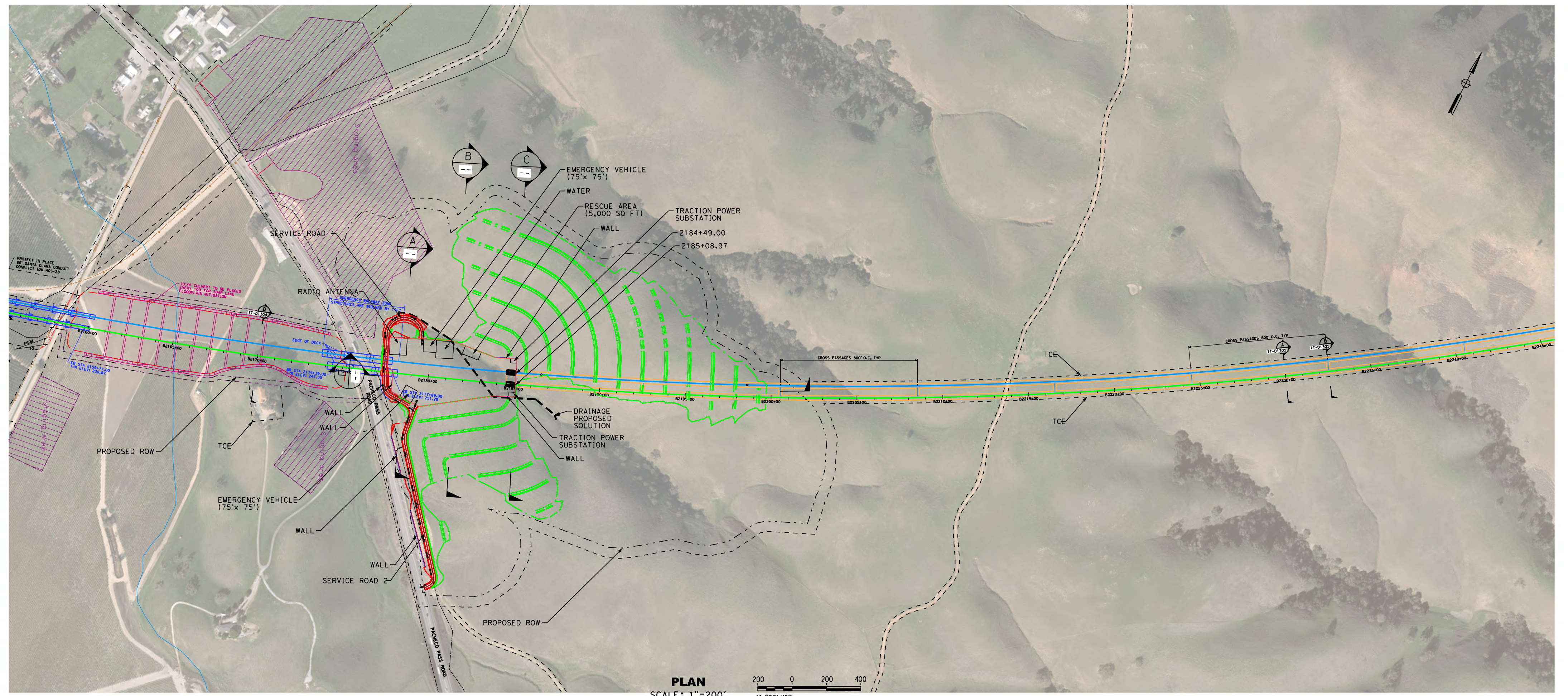


Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	POB	0+00.00	1848911.24	6240836.91						
Tangent	PI	0+34.44	1848879.57	6240850.46						
Tangent	TS	1+17.98	1848806.89	6240891.62						
Clothoid	TS	1+17.98	1848806.89	6240891.62						
Clothoid	SPI	2+08.00	1848728.55	6240935.98	135		4°04'16"	Left	67.49	0.8
Clothoid	SC	2+52.98	1848691.05	6240960.89						
Arc	SC	2+52.98	1848691.05	6240960.89						
Arc	PI	3+97.40	1848570.75	6241040.79	950	286.65	17°17'17"	Left		
Arc	CC	4+92.16	1849216.67	6241752.23						
Arc	CS	5+39.49	1848479.63	6241152.84						
Clothoid	CS	5+39.49	1848479.63	6241152.84						
Clothoid	SPI	5+84.51	1848451.22	6241187.77	135		4°04'16"	Left	67.49	0.8
Clothoid	ST	6+74.49	1848399.52	6241261.47						
Tangent	ST	6+74.49	1848399.52	6241261.47						
Tangent	TS	8+88.44	1848276.66	6241436.63						
Clothoid	TS	8+88.44	1848276.66	6241436.63						
Clothoid	SPI	9+65.12	1848232.63	6241499.40	115		2°44'44"	Right	57.5	0.46
Clothoid	SC	10+03.44	1848209.13	6241529.70						
Arc	SC	10+03.44	1848209.13	6241529.70						
Arc	PI	10+89.62	1848156.32	6241597.80	1200	172.05	8°12'53"	Right		
Arc	CC	11+75.44	1848094.33	6241657.65						
Arc	CS	11+75.44	1848094.33	6241657.65						
Clothoid	CS	11+75.44	1848094.33	6241657.65						
Clothoid	SPI	12+13.78	1848066.74	6241684.28	115		2°44'44"	Right	57.5	0.46
Clothoid	ST	12+90.44	1848009.09	6241734.83						
Tangent	ST	12+90.44	1848009.09	6241734.83						
Tangent	TS	14+39.31	1847897.16	6241832.98						
Clothoid	TS	14+39.31	1847897.16	6241832.98						
Clothoid	SPI	15+29.31	1847829.49	6241892.32	135		0°11'36"	Left	67.5	0.04
Clothoid	SC	15+74.31	1847795.76	6241922.10						
Arc	SC	15+74.31	1847795.76	6241922.10						
Arc	PI	23+46.89	1847216.60	6242433.42	20000	1544.38	4°25'28"	Left		
Arc	CC	24+03.42	1861032.47	6256915.08						
Arc	CS	31+18.69	1846678.61	6242987.89						
Clothoid	CS	31+18.69	1846678.61	6242987.89						
Clothoid	SPI	31+63.69	1846647.27	6243020.18	135		0°11'36"	Left	67.5	0.04
Clothoid	ST	32+53.69	1846584.82	6243084.99						
Tangent	ST	32+53.69	1846584.82	6243084.99						
Tangent	TS	60+46.64	1844646.70	6245096.02						

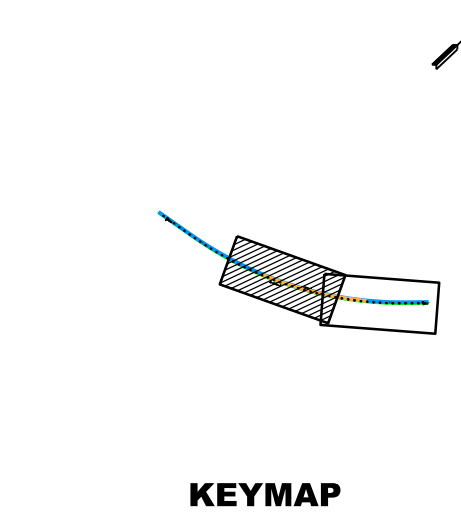
UPRR CONNECTION TRACK HORIZONTAL ALIGNMENT

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Clothoid	TS	60+46.64	1844646.70	6245096.02						
Clothoid	SPI	68+62.70	1844080.41	6245683.61	1224		2°11'43"	Right	611.97	3.91
Clothoid	SC	72+70.64	1843786.20	6245966.37						
Arc	SC	72+70.64	1843786.20	6245966.37						
Arc	PI	80+86.05	1843198.28	6246531.39	15972.5	1629.41	5°50'42"	Right		
Arc	CC	832718.40	1832718.40	6234450.09						
Arc	CS	89+00.04	1842555.88	6247033.60						
Clothoid	CS	89+00.04	1842555.88	6247033.60						
Clothoid	SPI	93+08.10	1842234.40	6247284.92	1224		2°11'43"	Right	611.97	3.91
Clothoid	ST	101+24.04	1841572.71	6247762.54						
Tangent	ST	101+24.04	1841572.71	6247762.54						
Tangent	TS	124+10.14	1839719.05	6249100.53						
Clothoid	TS	124+10.14	1839719.05	6249100.53						
Clothoid	SPI	125+00.14	1839646.08	6249153.20	135		0°07'44"	Right	67.5	0.03
Clothoid	SC	125+45.14	1839609.53	6249179.46						
Arc	SC	125+45.14	1839609.53	6249179.46						
Arc	PI	126+17.22	1839550.99	6249221.51	30000	144.16	0°16'31"	Right		
Arc	CC	1224814.87	1822481.48	6242814.87						
Arc	CS	126+89.30	1839492.25	6249263.28						
Clothoid	CS	126+89.30	1839492.25	6249263.28						
Clothoid	SPI	127+34.30	1839455.58	6249289.36	135		0°07'44"	Right	67.5	0.03
Clothoid	ST	128+24.30	1839382.12	6249341.35						
Tangent	ST	128+24.30	1839382.12	6249341.35						
Tangent	TS	131+11.40	1839147.77	6249507.21						
Clothoid	TS	131+11.40	1839147.77	6249507.21						
Clothoid	SPI	132+01.40	1839074.31	6249559.21	135		0°07'44"	Left	67.5	0.03
Clothoid	SC	132+46.40	1839037.63	6249585.29						
Arc	SC	132+46.40	1839037.63	6249585.29						
Arc	PI	133+52.23	1838951.39	6249646.62	30000	211.66	0°24'15"	Left		
Arc	CC	1856423.69	6274033.70	6249708.56						
Arc	CS	134+58.05	1838865.58	6249708.56						
Tangent	PT	134+58.05	1838865.58	6249708.56						
Tangent	TS	171+89.03	1835840.36	6251892.18						
Clothoid	TS	171+89.03	1835840.36	6251892.18						
Clothoid	SPI	172+79.03	1835769.39	6251944.86	135		0°17'51"	Right	67.5	0.06
Clothoid	SC	173+24.03	1835730.76	6251971.01						
Arc	SC	173+24.03	1835730.76	6251971.01						
Arc	PI	176+17.96	1835491.54	6252141.80	13000	587.77	2°35'26"	Right		
Arc	CC	1828177.08	6241390.75	6252301.60						
Arc	CS	179+11.80	1835244.84	6252301.60						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Clothoid	CS	179+11.80	1835244.84	6252301.60						
Clothoid	SPI	179+56.80	1835207.07	6252326.07	135		0°17'51"	Right	67.5	0.06
Clothoid	ST	180+46.80	1835131.28	6252374.61						
Tangent	ST	180+46.80	1835131.28	6252374.61						
Tangent	TS	180+86.12	1835098.17	6252395.81						
Clothoid	TS	180+86.12	1835098.17	6252395.81						
Clothoid	SPI	181+76.12	1835022.38	6252444.35	135		0°46'25"	Left	67.5	0.15
Clothoid	SC	182+21.12	1834984.82	6252469.13						
Arc	SC	182+21.12	1834984.82	6252469.13						
Arc	PI	182+92.62	1834925.13	6252508.50	5000	142.99	1°38'19"	Left		
Arc	CC	1837737.95	6256642.88	6258855.41						
Arc	CS	183+64.10	1834866.60	6252549.56						

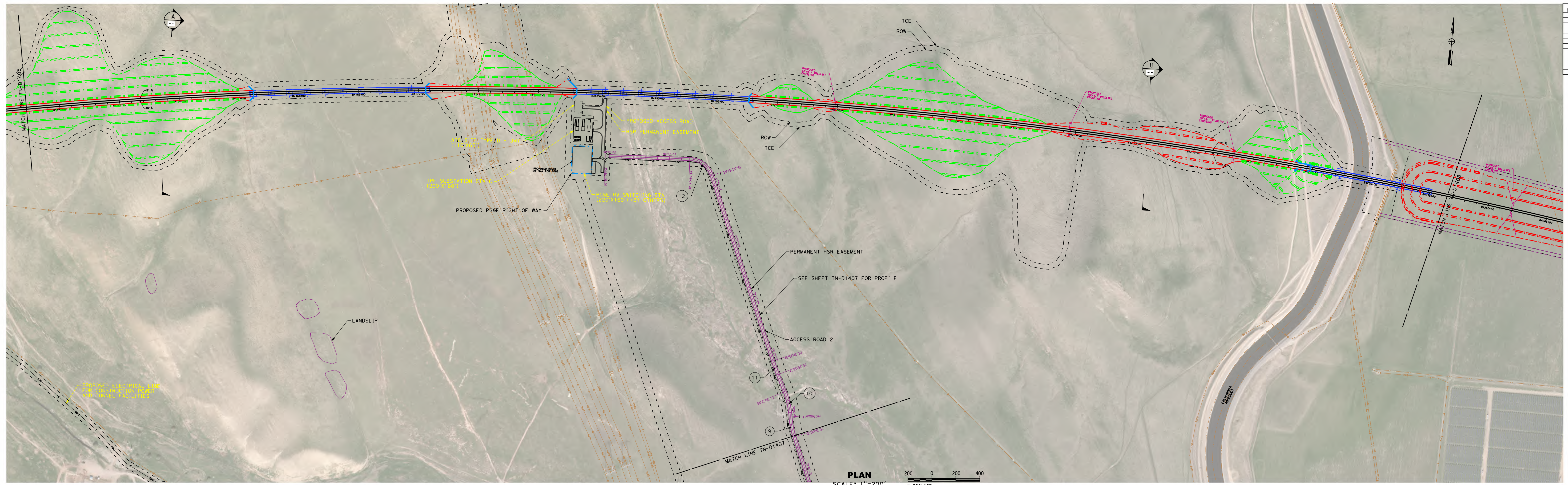


SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 124 OF 216



RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL TUNNEL 1 - PORTAL 1	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1301 SCALE AS SHOWN SHEET NO. 220
--	--	--	---	--

5/2/2019 10:54:18 AM C:\Users\jrb\OneDrive\Documents\11625_Mile_03_TN-D1406.dwg c:\cadd\dwg\hntb\california\11625_Mile_03_TN-D1406.dwg

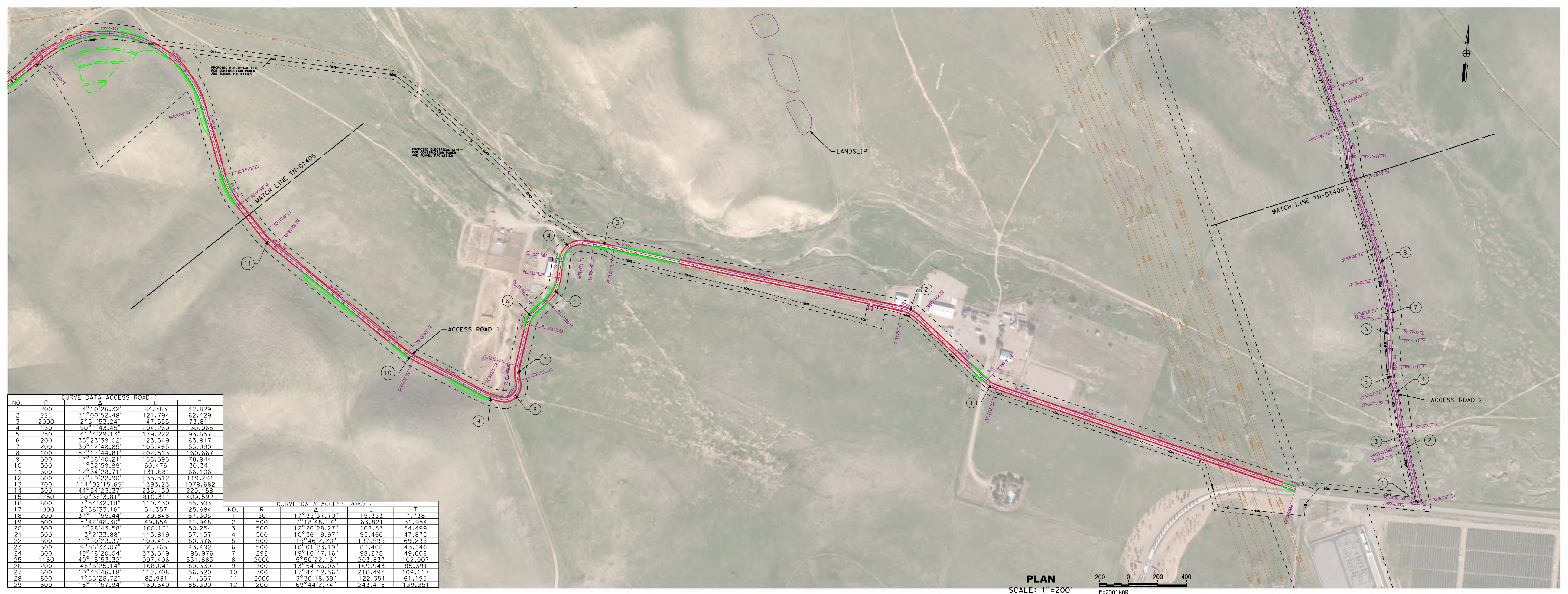


CURVE DATA ACCESS ROAD 2				
NO.	R	A	L	T
1	50	17°35'37.70"	15.353	7.738
2	500	7°18'48.17"	63.821	31.954
3	500	12°26'28.27"	108.57	54.499
4	500	10°56'19.97"	95.460	47.875
5	500	15°46'2.20"	137.695	69.235
6	500	10°01'23.13"	87.468	43.846
7	292	19°16'47.16"	98.278	49.608
8	2000	3°50'22.16"	205.837	102.007
9	700	13°54'36.03"	189.943	95.391
10	700	17°43'12.56"	216.493	109.117
11	2000	1°10'18.39"	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 128 OF 216

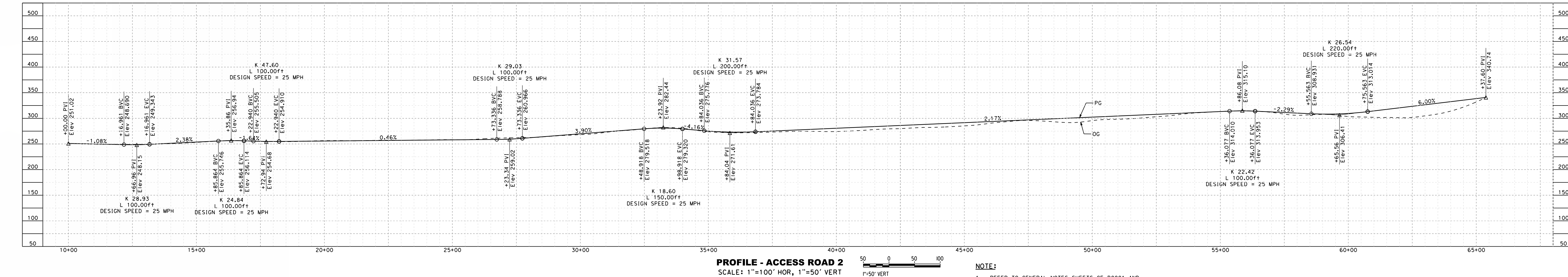
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL TUNNEL PORTAL 2 ACCESS ROAD	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1406 SCALE: AS SHOWN SHEET NO.
---	--	---	--	--	---



NO.	R	CURVE DATA ACCESS ROAD 1	A	L	Δ
1	200	24°10'26.32"	84.383	42.829	
2	225	31°50'52.48"	121.794	62.429	
3	2000	2°51'53.24"	147.656	73.811	
4	130	90°1'43.45"	204.269	130.065	
5	250	35°23'39.02"	123.549	63.817	
6	200	30°12'48.85"	105.465	53.990	
7	100	57°17'44.81"	202.813	160.667	
8	100	17°56'40.21"	156.939	78.944	
9	300	11°32'59.99"	60.476	30.341	
10	600	17°54'28.11"	131.681	66.106	
11	600	22°29'22.90"	235.512	119.291	
12	700	11°42'02.15"	1393.23	1078.682	
13	300	48°54'23.37"	235.130	229.158	
14	2250	20°58'3.81"	810.311	409.592	
15	800	7°24'32.18"	110.430	55.303	
16	1000	2°56'33.16"	51.357	25.684	
17	200	37°11'55.44"	129.848	67.305	7.738
18	500	5°42'26.30"	49.854	21.948	2
19	500	11°28'43.58"	100.171	50.254	3
20	500	11°28'43.58"	100.171	50.254	3
21	500	13°2'33.88"	113.819	57.157	4
22	500	11°30'23.37"	100.413	50.376	5
23	500	9°56'33.07"	86.165	43.492	6
24	500	42°48'20.04"	373.649	195.976	7
25	1180	48°15'53.32"	991.406	531.883	8
26	200	48°15'53.32"	188.041	89.339	9
27	600	10°45'46.18"	112.708	56.520	10
28	600	7°53'29.72"	82.381	41.357	11
29	600	16°11'57.94"	169.640	85.390	12

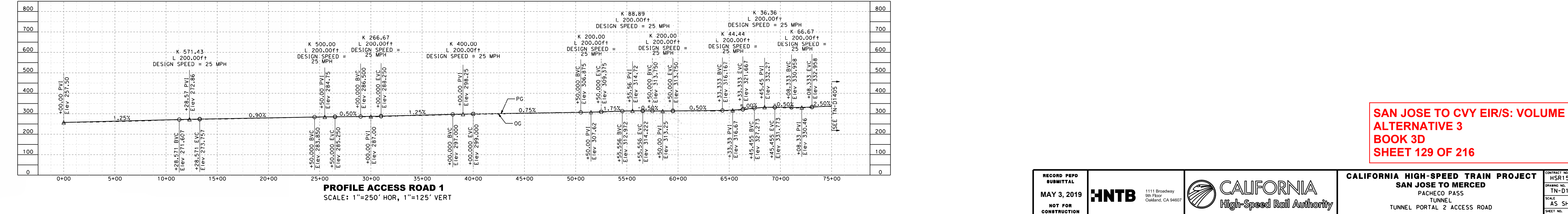
NO.	R	CURVE DATA ACCESS ROAD 2	A	L	Δ
1	50	17°35'37.70"	15.353	7.738	
2	500	7°18'48.17"	63.821	31.954	
3	500	12°28'28.27"	108.57	54.499	
4	500	10°56'19.97"	95.460	47.875	
5	500	15°26'22.20"	137.395	69.235	
6	500	10°11'23.19"	81.468	43.846	
7	292	19°16'47.16"	98.278	49.608	
8	2000	5°50'22.16"	203.837	102.007	
9	700	13°54'36.04"	169.943	89.391	
10	700	17°43'12.56"	216.493	109.117	
11	2000	3°30'18.29"	122.351	61.196	
12	200	69°24'27.74"	243.418	139.351	

PLAN
SCALE: 1"=200'
1"=200' HOR



PROFILE - ACCESS ROAD 2
SCALE: 1"=100' HOR, 1"=50' VERT
1"=50' VERT

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



PROFILE ACCESS ROAD 1
SCALE: 1"=250' HOR, 1"=125' VERT

RECORD PERM SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

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

CONTRACT NO. HSR15-34
DRAWING NO. TN-D1407
SCALE: AS SHOWN
SHEET NO.

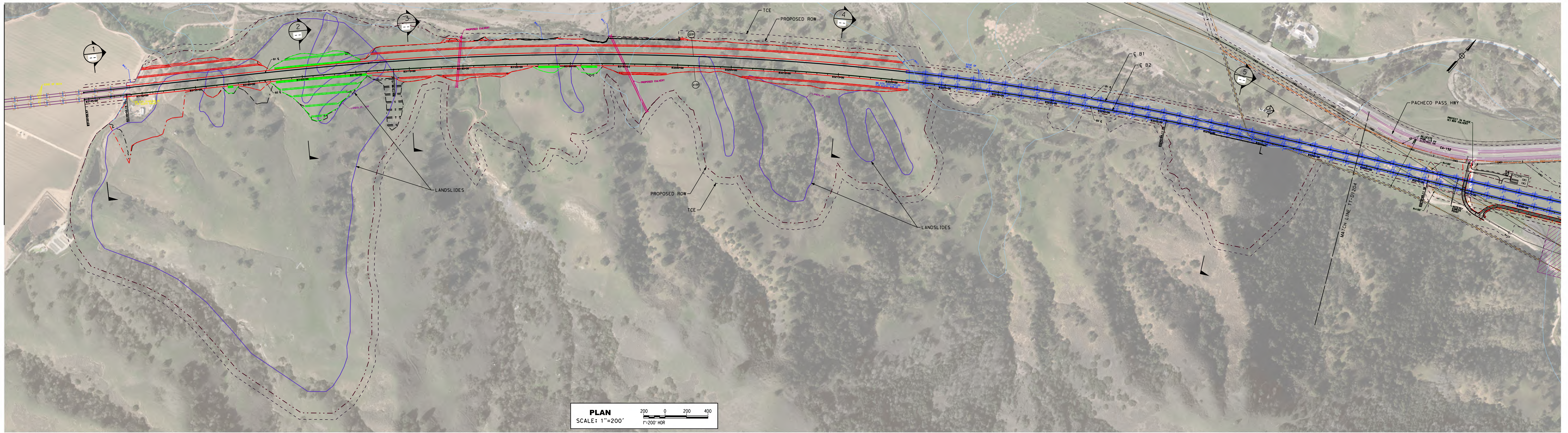
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 129 OF 216

NOTE:
REFER TO COMPOSITE DRAWINGS FOR TUNNEL PROFILE
DETAILS.

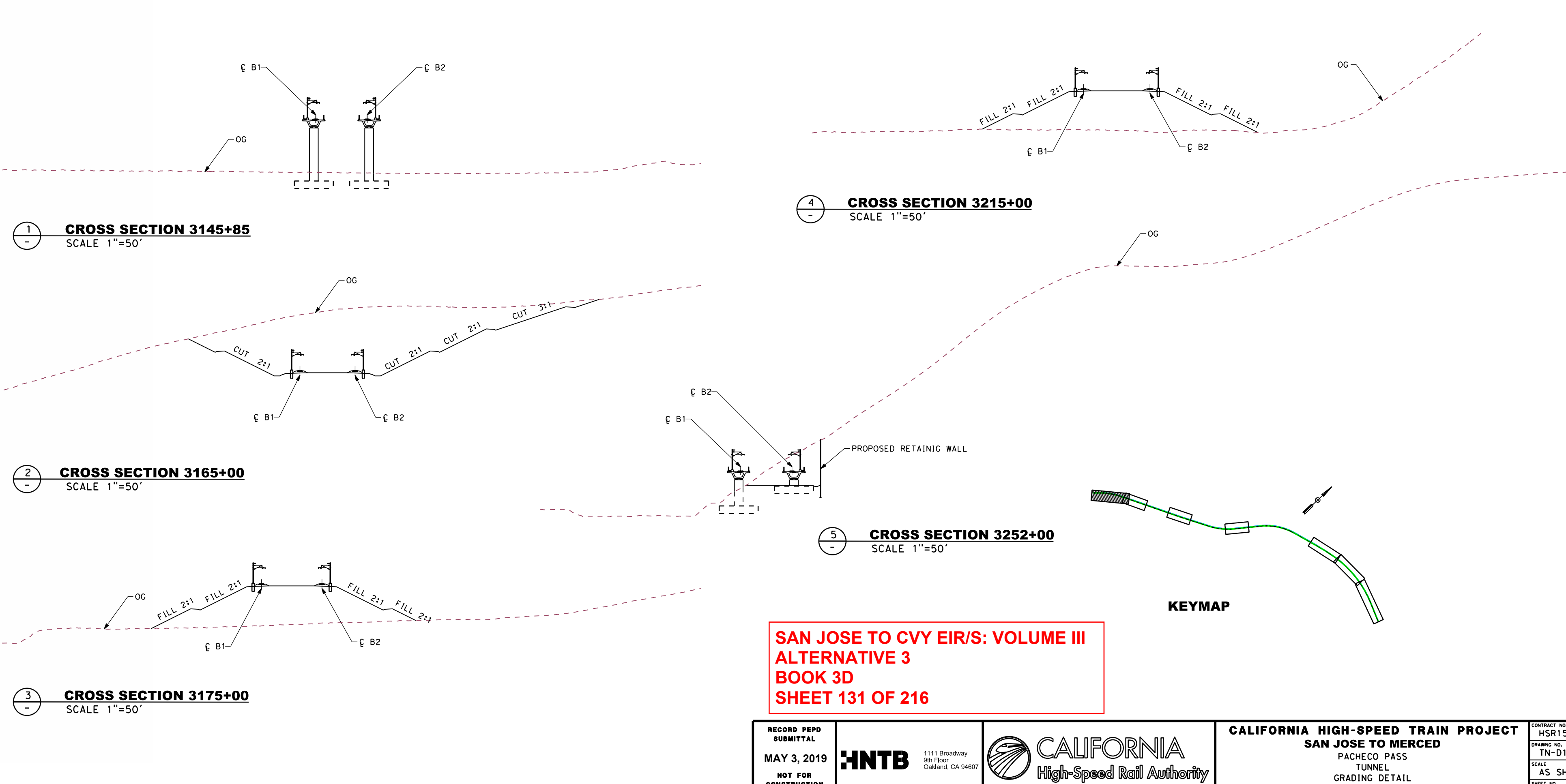


PROFILE
SCALE: 1"=1600' HOR, 1"=100' VERT

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL LONGITUDINAL PROFILE	CONTRACT NO. HSR15-34 DRAWING NO. TN-D-1408 SCALE AS SHOWN SHEET NO.
--	--	---	--	---	--



PLAN
SCALE: 1"=200'
1"=200' HOR



1
CROSS SECTION 3145+85
SCALE 1"=50'

2
CROSS SECTION 3165+00
SCALE 1"=50'

3
CROSS SECTION 3175+00
SCALE 1"=50'

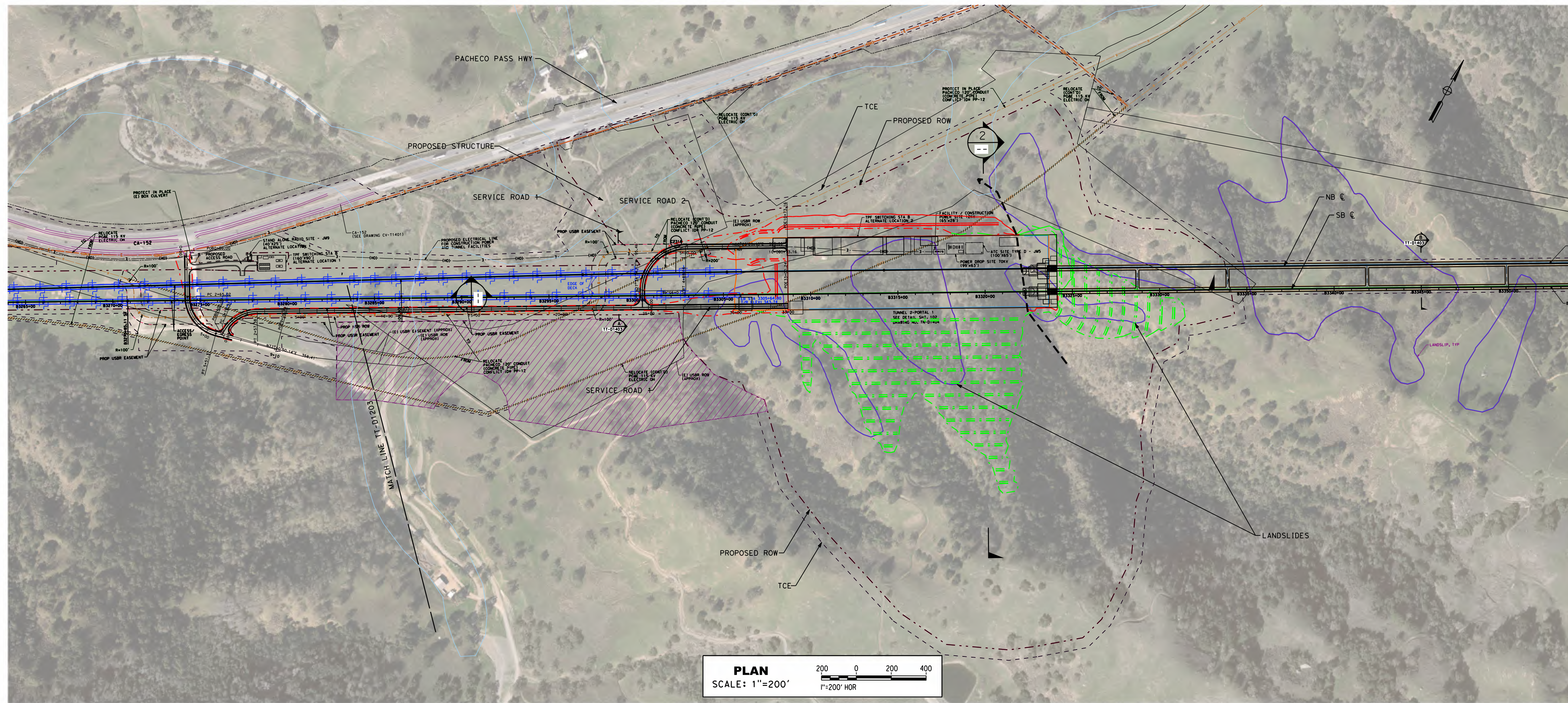
4
CROSS SECTION 3215+00
SCALE 1"=50'

5
CROSS SECTION 3252+00
SCALE 1"=50'

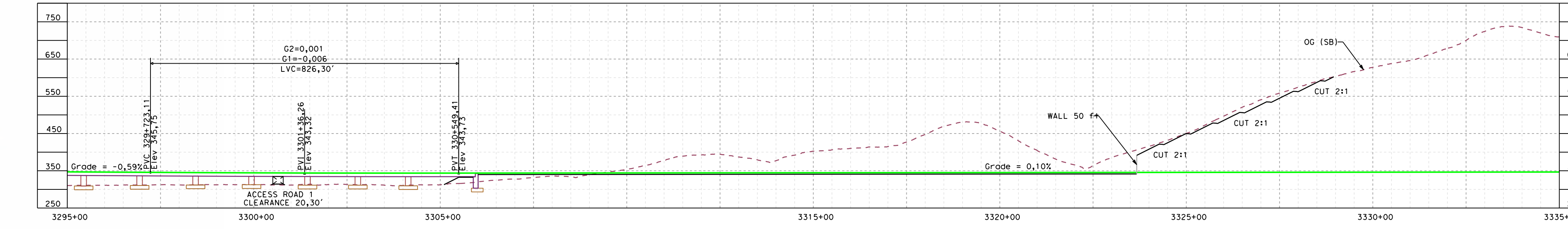
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 131 OF 216

KEYMAP

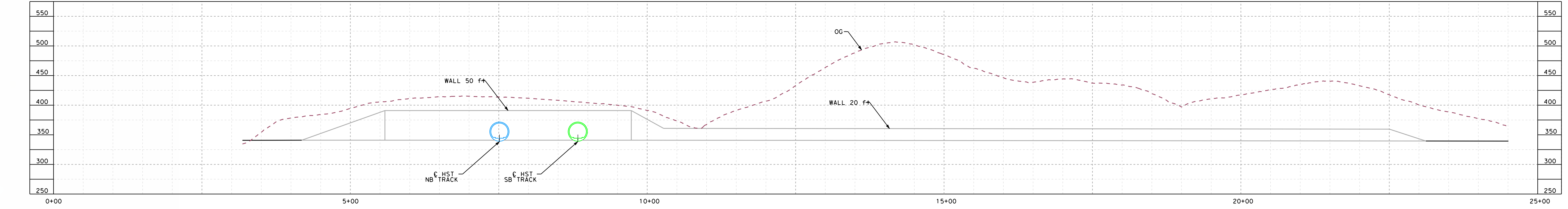
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1409 SCALE AS SHOWN SHEET NO.
--	--	--	---	--



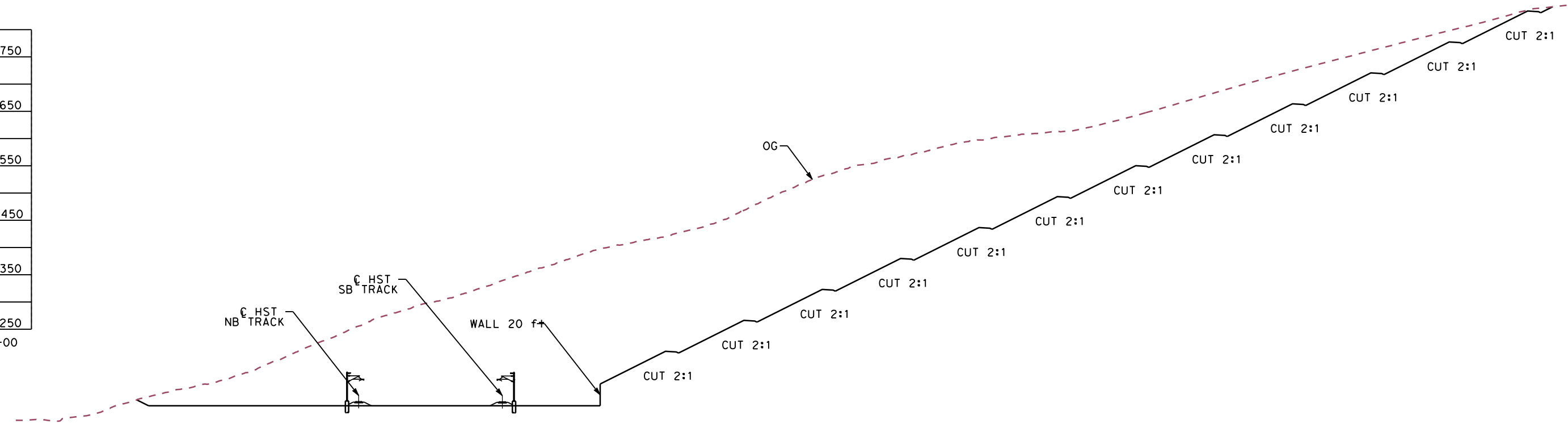
PLAN
SCALE: 1"=200'
200 0 200 400
1"=200' HOR



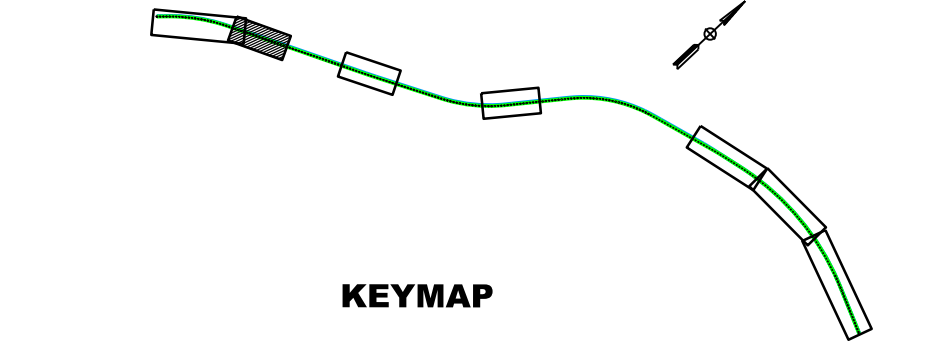
1 SB PROFILE
SCALE 1"=100'



RETAINING WALL PROFILE
SCALE 1"=50'

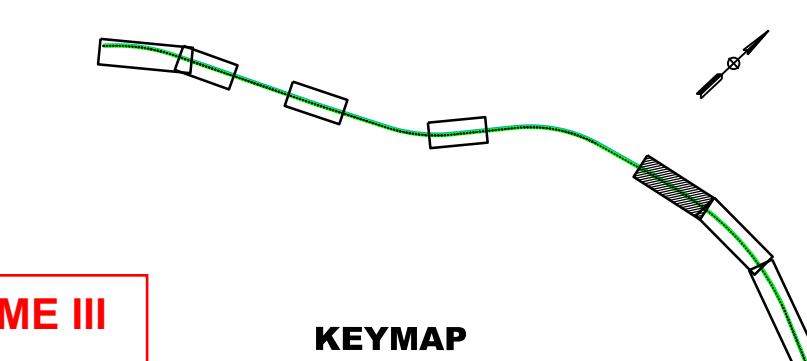
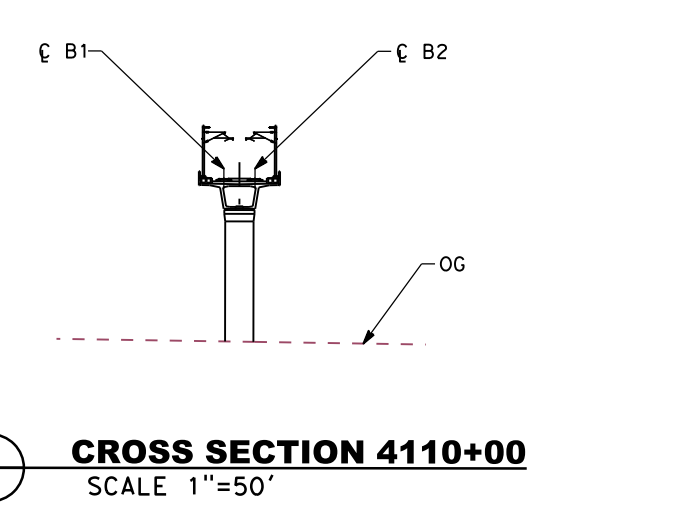
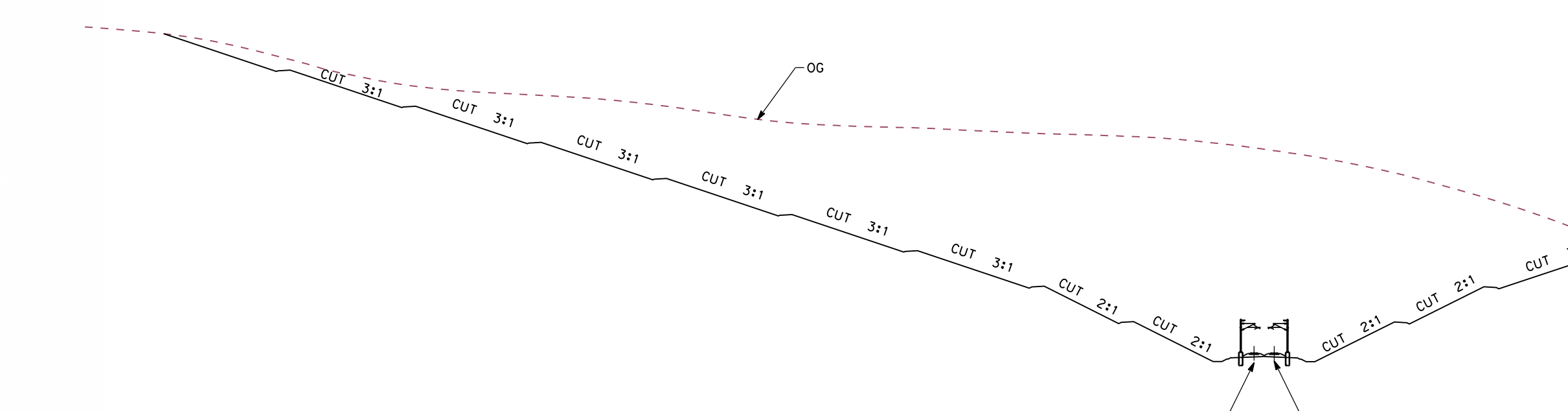
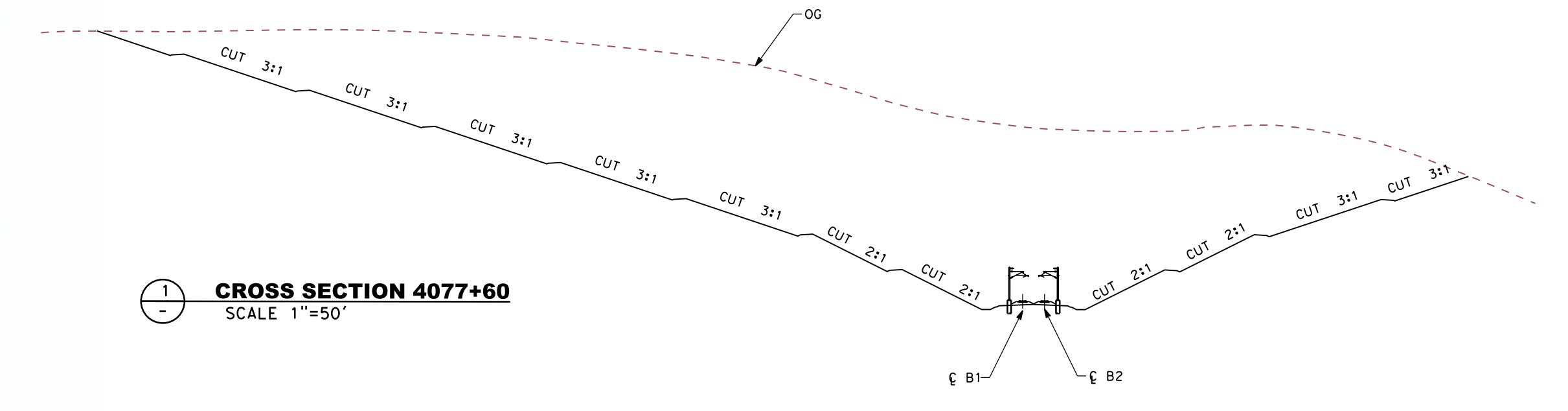
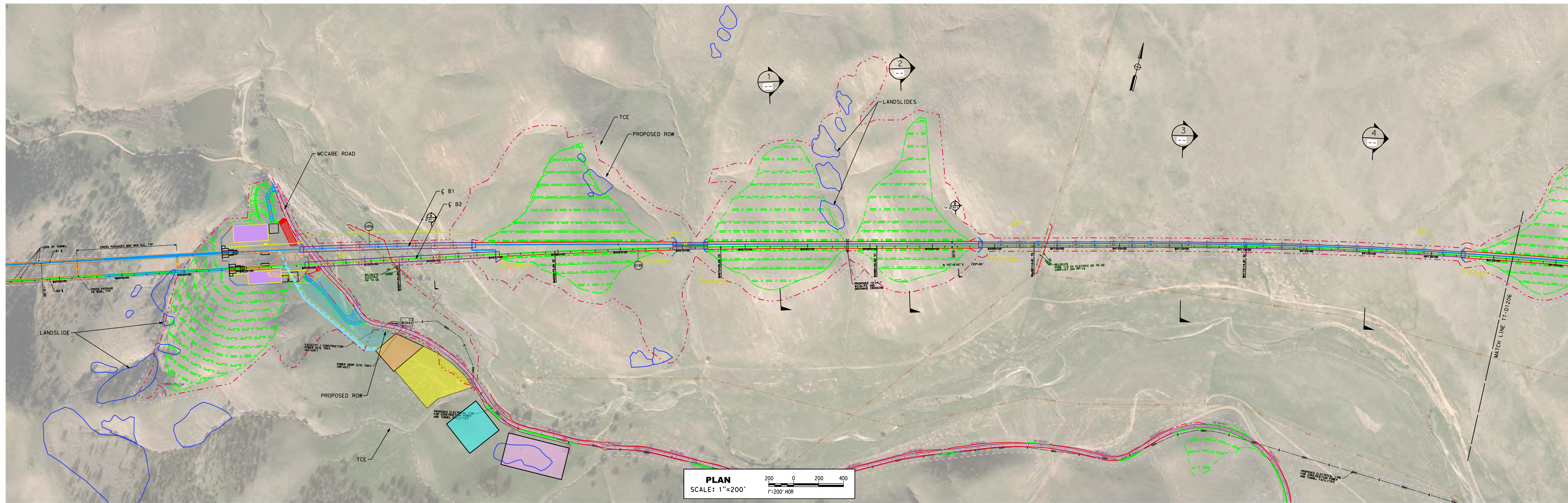


2 CROSS SECTION 3320+00
SCALE 1"=50'



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 132 OF 216

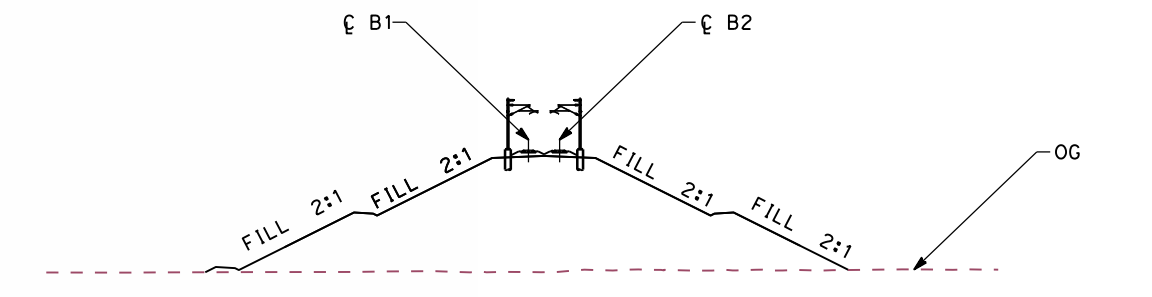
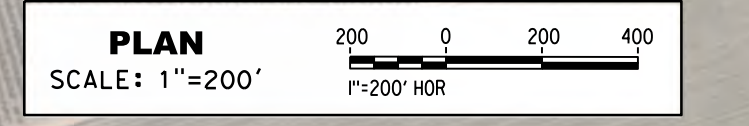
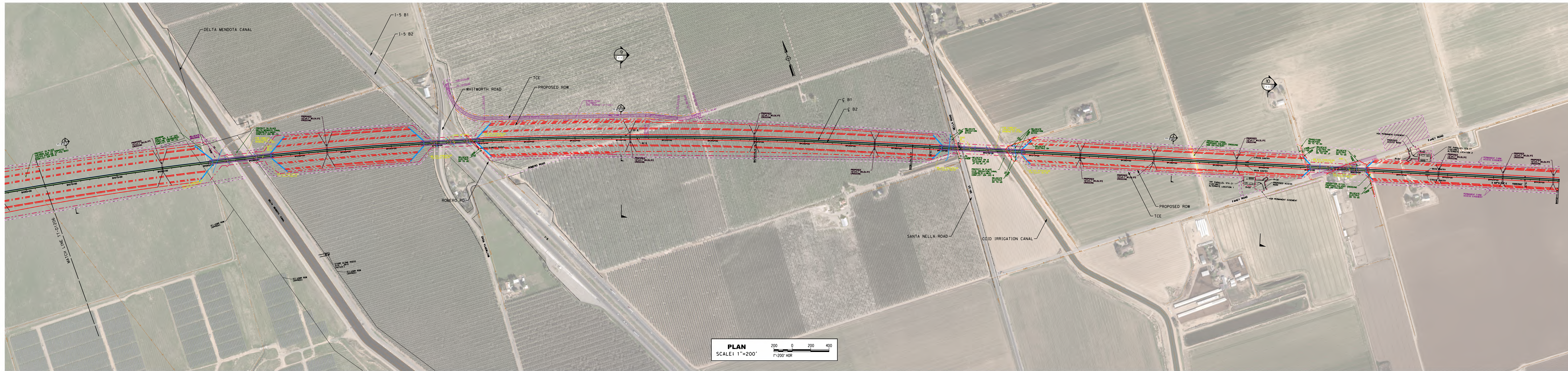
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-35 DRAWING NO. TN-D1410 SCALE AS SHOWN SHEET NO.
--	--	--	--	---



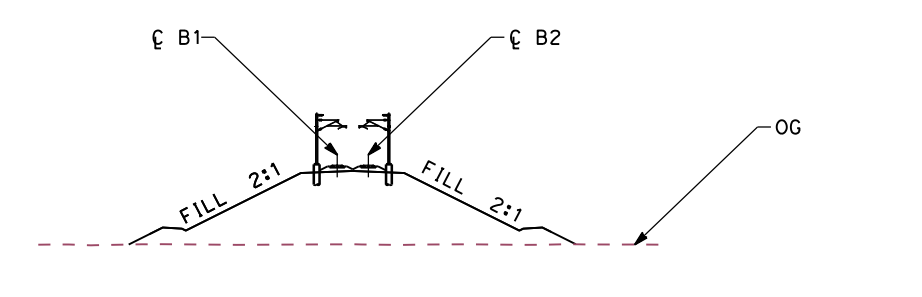
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 133 OF 216

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-36 DRAWING NO. TN-D1411 SCALE AS SHOWN SHEET NO.
--	--	--	--	---

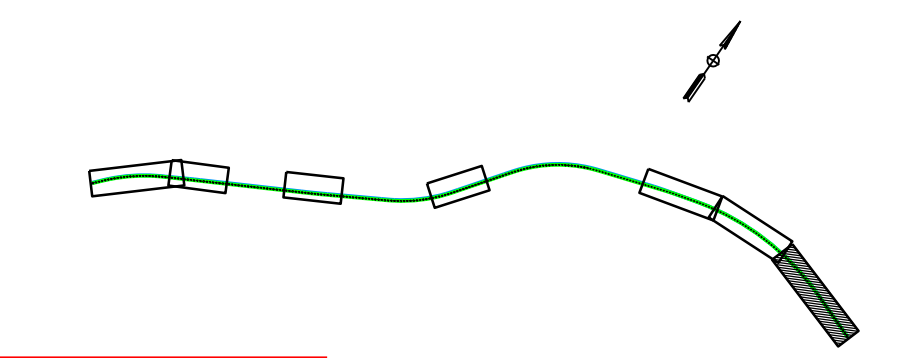
5/2/2019 10:42:59 AM C:\Users\jw\OneDrive\Documents\2017\CA_HSR\3D\Book3D\Sheet135.dwg
 5/2/2019 10:42:59 AM C:\Users\jw\OneDrive\Documents\2017\CA_HSR\3D\Book3D\Sheet135.dwg
 5/2/2019 10:42:59 AM C:\Users\jw\OneDrive\Documents\2017\CA_HSR\3D\Book3D\Sheet135.dwg



9
-
CROSS SECTION 4330+00
SCALE 1"=50'



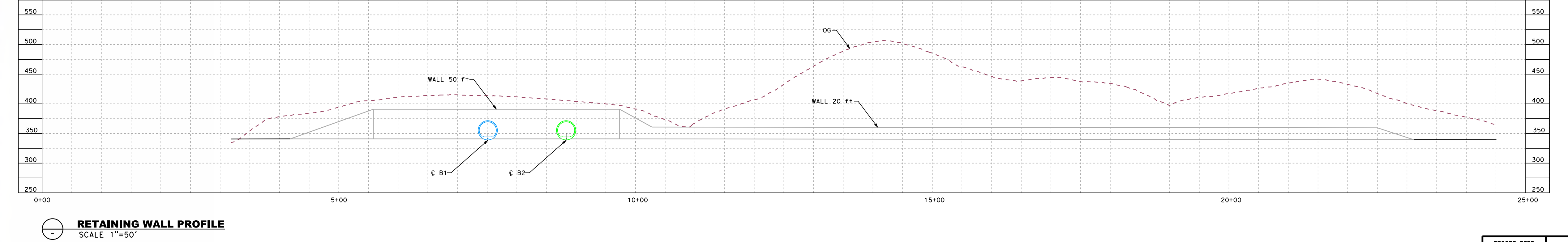
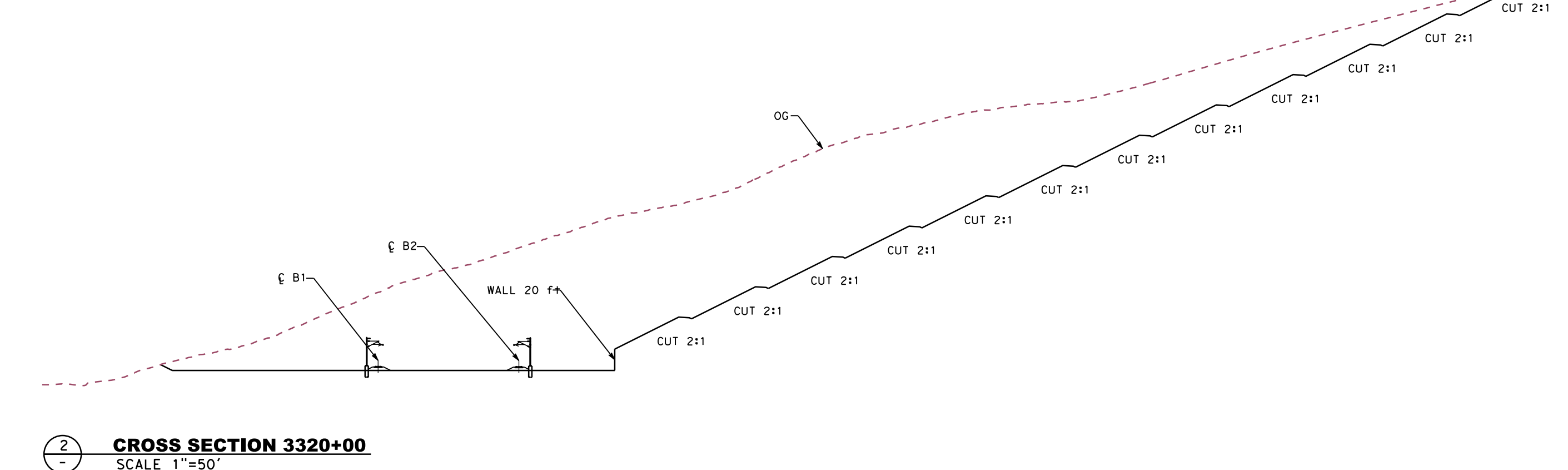
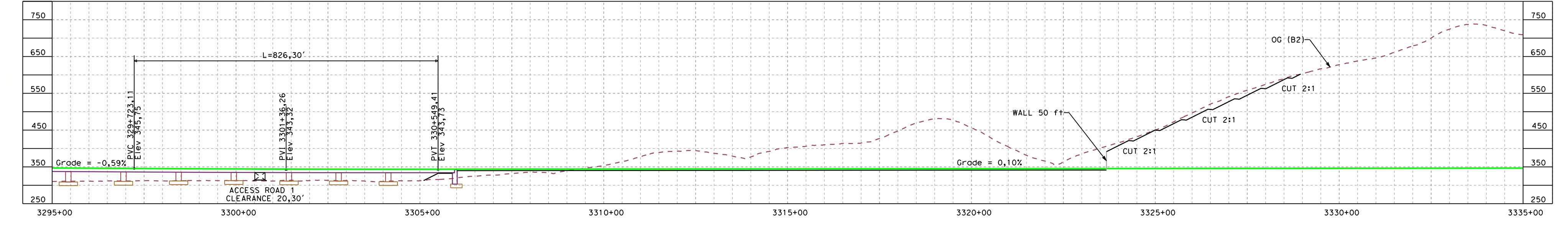
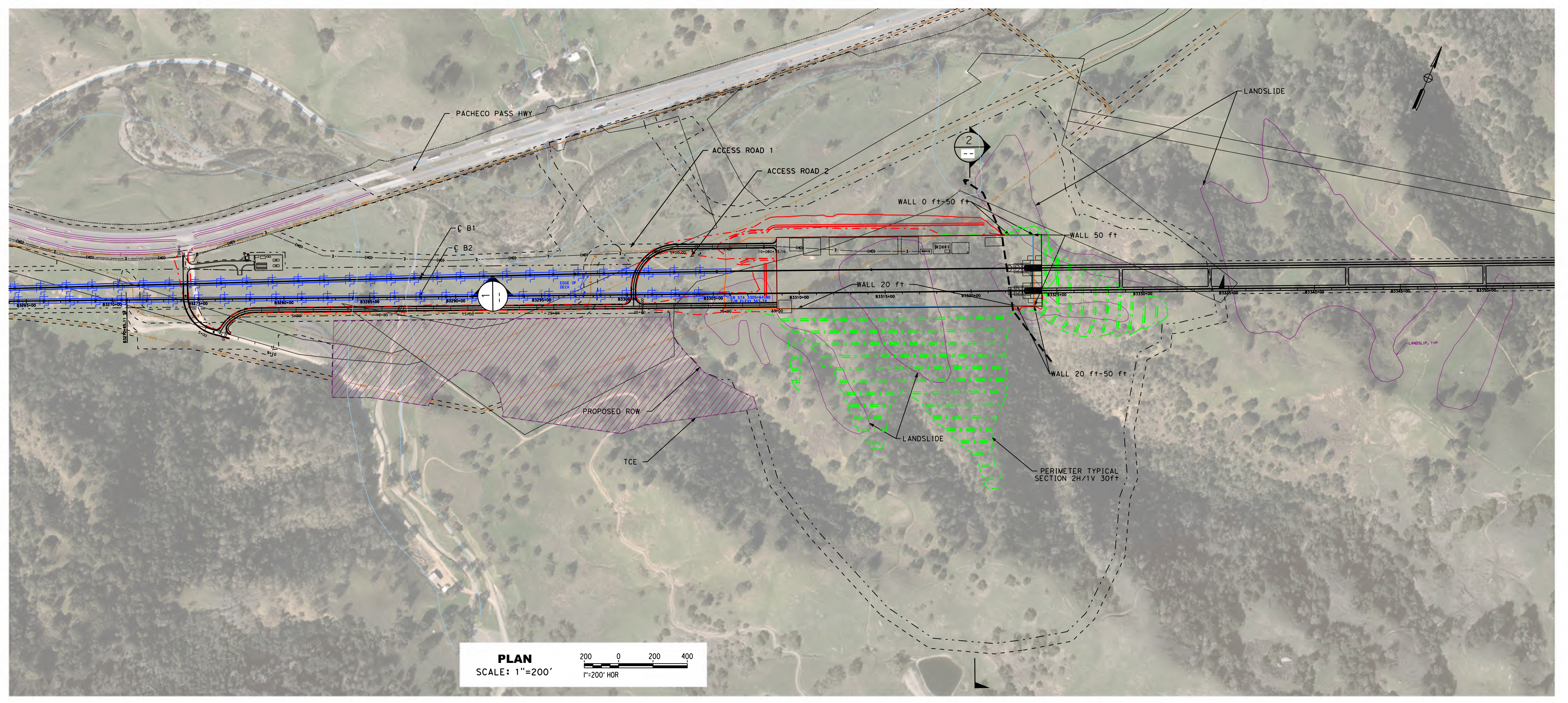
10
-
CROSS SECTION 4400+00
SCALE 1"=50'



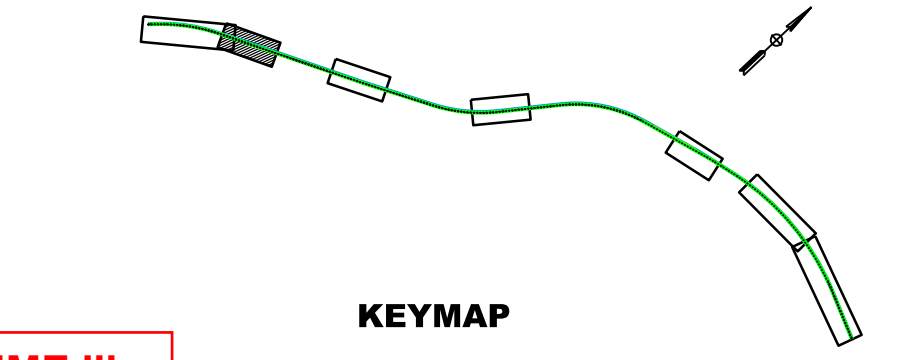
KEYMAP

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 135 OF 216

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-38 DRAWING NO. TN-D1413 SCALE AS SHOWN SHEET NO.
--	--	---	--	--	--

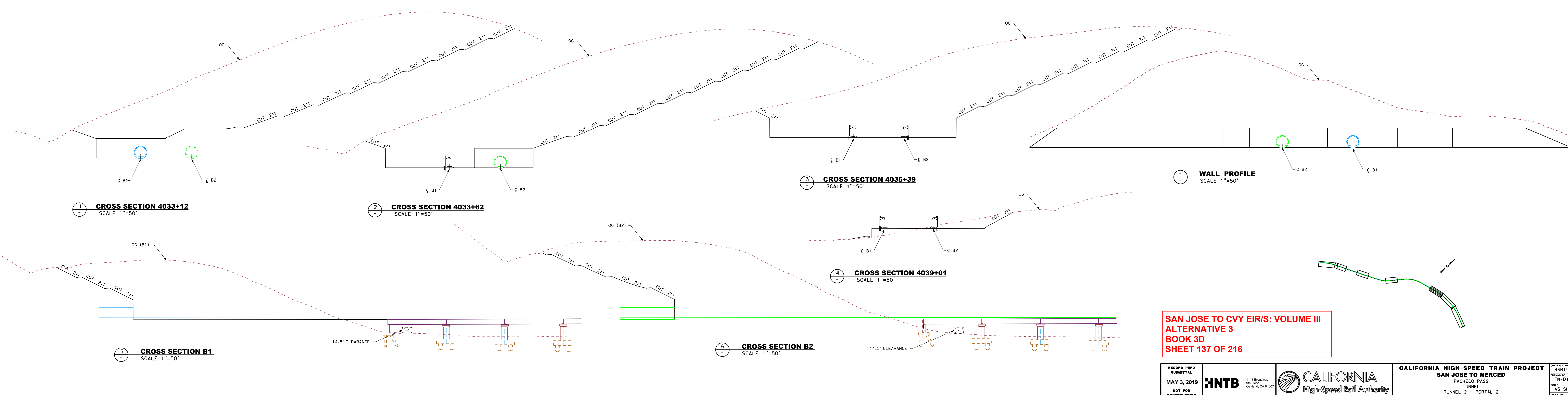
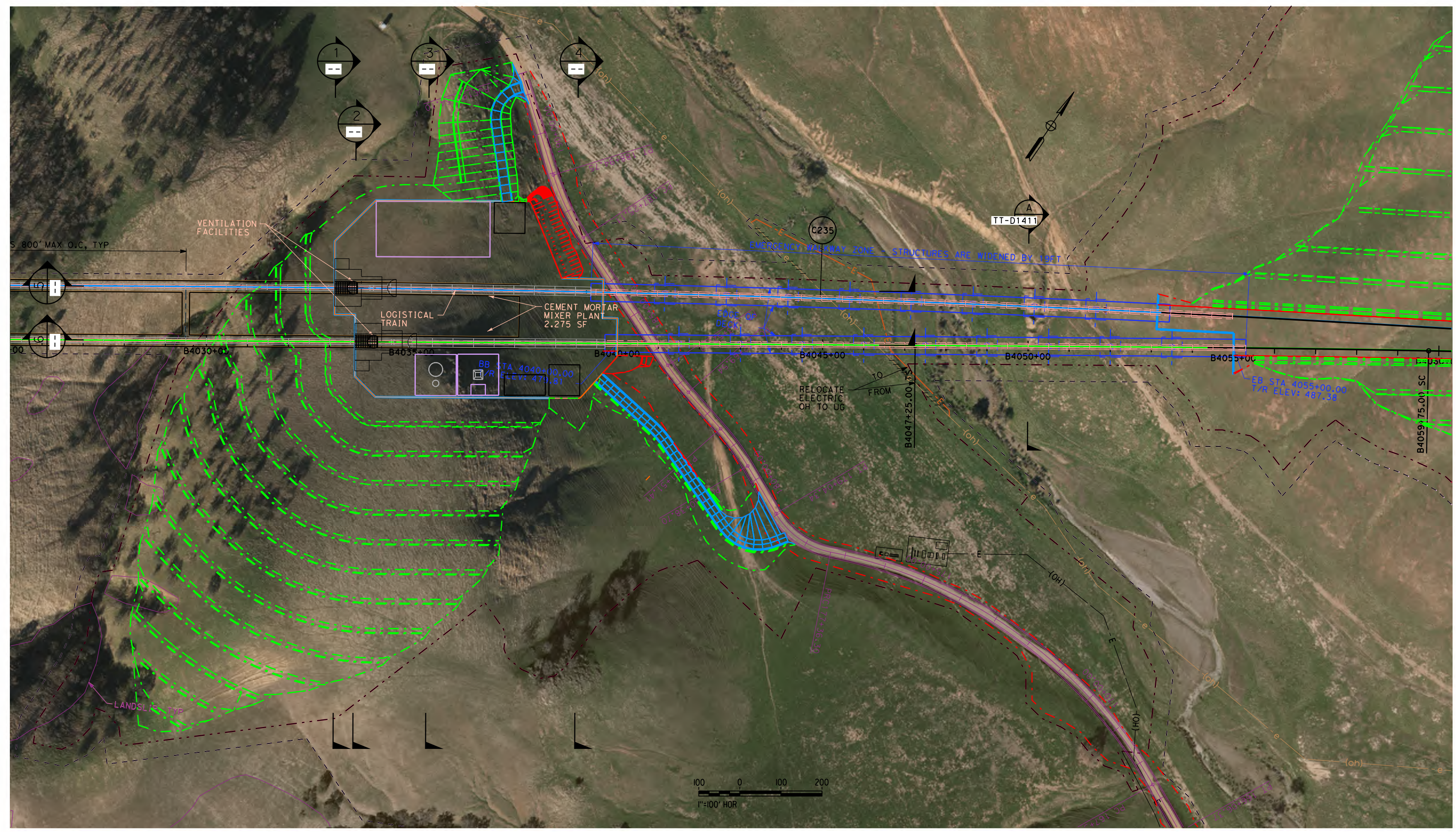


SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 136 OF 216



RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL TUNNEL 2 - PORTAL 1 SECTIONS	CONTRACT NO. HSR15-39 DRAWING NO. TN-D1414 SCALE AS SHOWN SHEET NO.
---	--	--	--	---

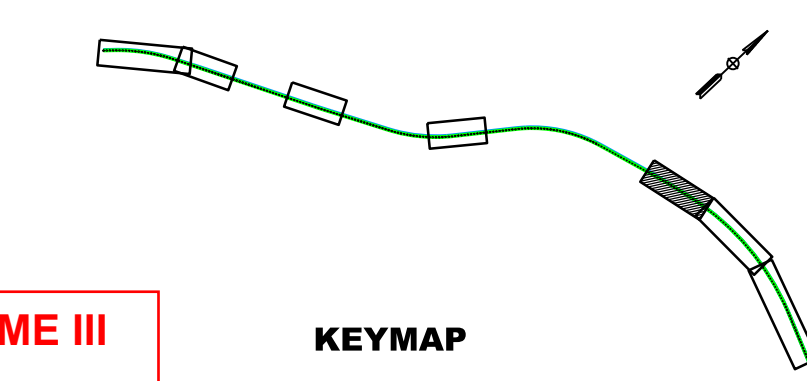
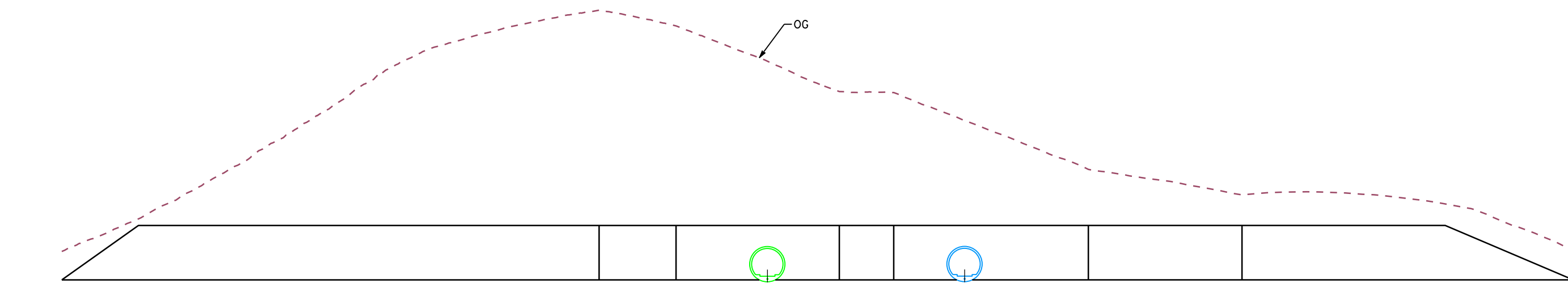
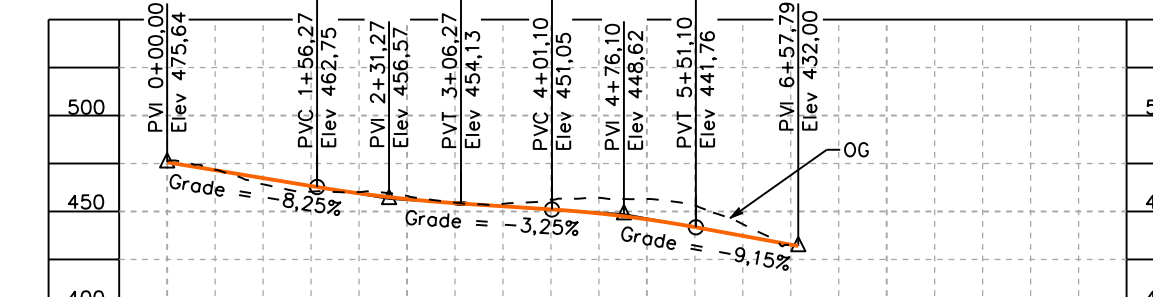
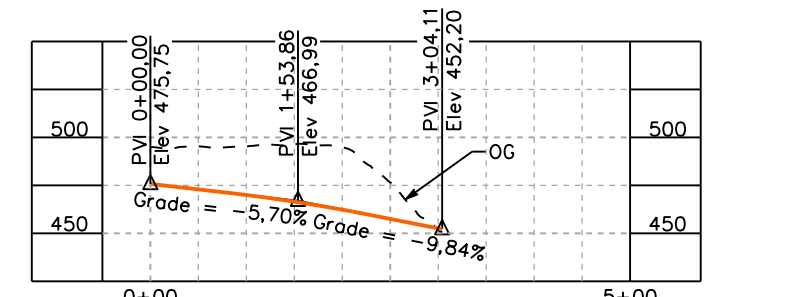
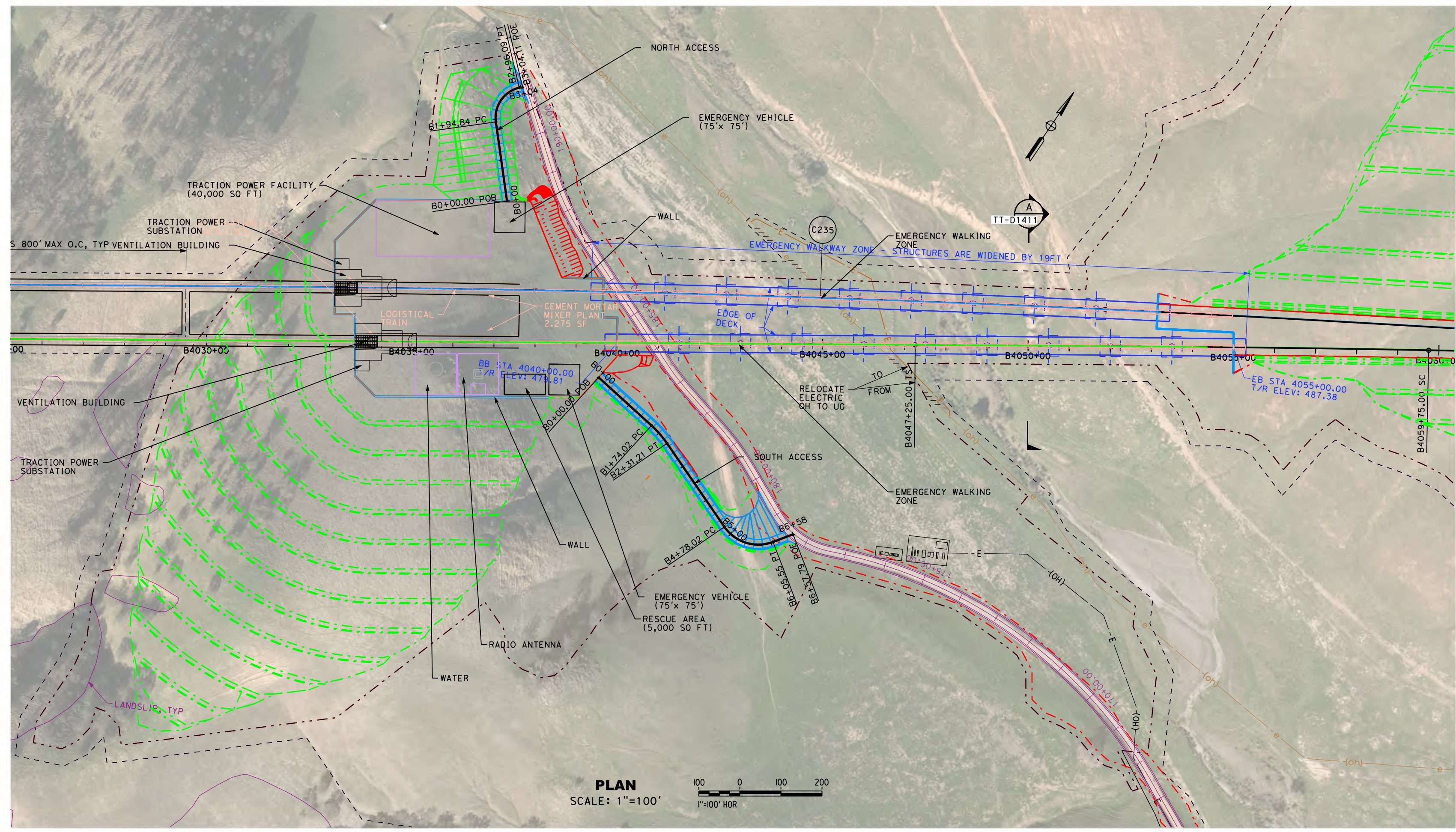
5/2/2019 10:55:19 AM C:\Users\jw\OneDrive\Documents\2019\San Jose to Merced\Book 3D\Sheet 137 of 216.dwg
 2/2/2019 10:55:19 AM C:\Users\jw\OneDrive\Documents\2019\San Jose to Merced\Book 3D\Sheet 137 of 216.dwg
 5/2/2019 10:55:19 AM C:\Users\jw\OneDrive\Documents\2019\San Jose to Merced\Book 3D\Sheet 137 of 216.dwg



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 137 OF 216

RECORD PEPP SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL TUNNEL 2 - PORTAL 2 APPROACH 1	CONTRACT NO. HSR15-40 DRAWING NO. TN-D1415 SCALE AS SHOWN SHEET NO.
---	---	--	--	---

5/2/2019 10:55:28 AM C:\Users\jrb\OneDrive\Documents\2019\4\10\18\1816.dgn
 C:\Users\jrb\OneDrive\Documents\2019\4\10\18\1816.dgn
 5/2/2019 10:55:28 AM C:\Users\jrb\OneDrive\Documents\2019\4\10\18\1816.dgn
 5/2/2019 10:55:28 AM C:\Users\jrb\OneDrive\Documents\2019\4\10\18\1816.dgn



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 3
BOOK 3D
SHEET 138 OF 216

RECORD PERIOD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL TUNNEL 2 PORTAL 2 APPROACH 2	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1416 SCALE AS SHOWN SHEET NO.
---	--	--	---	--