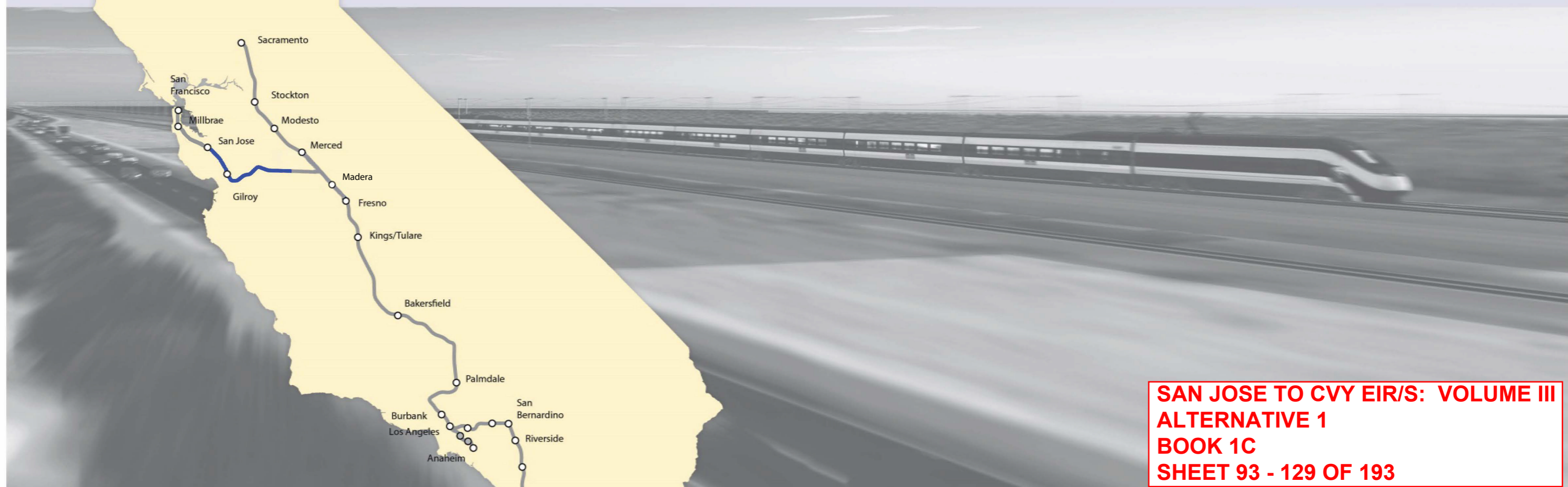
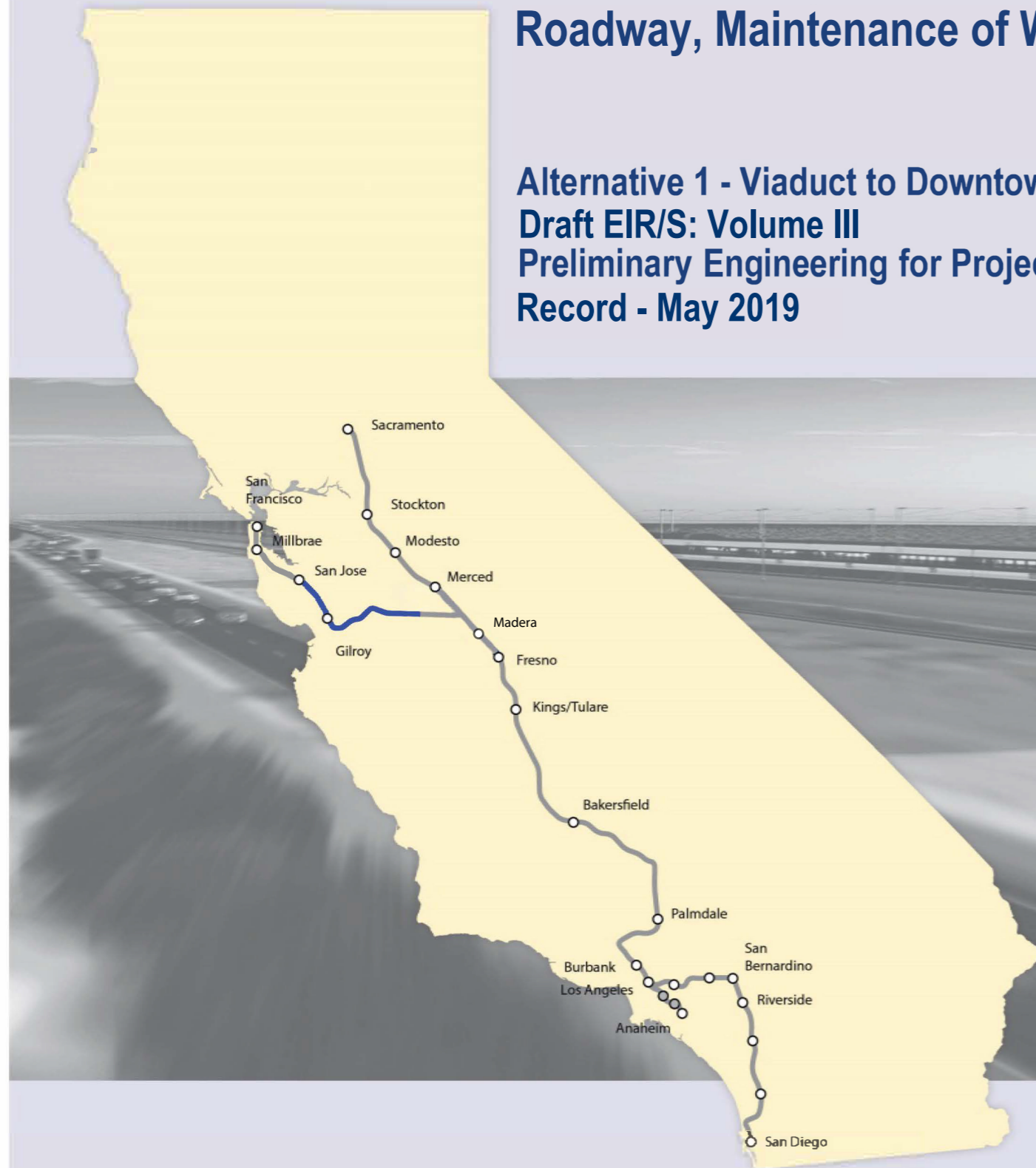


# San Jose to Merced Section: San Jose to Central Valley Wye

Roadway, Maintenance of Way, Tunnels

Alternative 1 - Viaduct to Downtown Gilroy  
Draft EIR/S: Volume III  
Preliminary Engineering for Project Definition  
Record - May 2019



**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 93 - 129 OF 193**

# ALTERNATIVE 1 - VIADUCT TO DOWNTOWN GILROY

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

## COVER, INDEX OF DRAWING AND KEY MAPS

BOOK 1C	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 1	
BOOK 1C	B	GE-A0104	ENTIRE ALTERNATIVE	GRADE SEPARATIONS	INDEX OF DRAWING	SHEET 4 OF 7	
BOOK 1C	C	GE-A0105	ENTIRE ALTERNATIVE	MAINTENANCE OF WAY, TUNNELS	INDEX OF DRAWING	SHEET 5 OF 7	
BOOK 1C	D	GE-D0101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 1C	E	GE-D0102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	

## ROADWAY

### SAN JOSE DIRIDON STATION APPROACH

BOOK 1C	93	CV-T0151	SAN JOSE DIRIDON STATION APPROACH	CHESTNUT AVE, ELM ST	VIADUCT TO I-880	PLAN, PROFILE AND TYPICAL SECTIONS	WEST HEDDING STREET
BOOK 1C	94	CV-T0152	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST, COLEMAN AVE	VIADUCT TO I-880	PLAN, PROFILE AND TYPICAL SECTIONS	WEST TAYLOR STREET

### MONTEREY CORRIDOR

BOOK 1C	95	CV-S0601	MONTEREY CORRIDOR	CAPITOL EXPY, BLOSSOM HILL RD	VIADUCT	CIVIL DETAILS	
BOOK 1C	96	CV-T0401	MONTEREY CORRIDOR	WILLOW ST, W ALMA AVE	VIADUCT/AT-GRADE	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	SR87 ON-RAMP
BOOK 1C	97	CV-T0402	MONTEREY CORRIDOR	CURTNER AVE	VIADUCT/AT-GRADE	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	ALMADEN ROAD AND CURTNER

### MORGAN HILL AND GILROY

BOOK 1C	98	CV-S0701	MORGAN HILL AND GILROY	ACCESS RD TO MONTEREY RD	VIADUCT TO DOWNTOWN GILROY	CIVIL DETAILS	
BOOK 1C	99	CV-S0901	MORGAN HILL AND GILROY	COHANSEY AVE, E LUCHESSA AVE	VIADUCT TO DOWNTOWN GILROY	CIVIL DETAILS	
BOOK 1C	100	CV-S1201	MORGAN HILL AND GILROY	LAKE RD, SR 152	VIADUCT TO DOWNTOWN GILROY	CIVIL DETAILS	
BOOK 1C	101	CV-T0704	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	MONTEREY ROAD
BOOK 1C	102	CV-T0907	MORGAN HILL AND GILROY	BLOOMFIELD AVE, BLOSA AVE	VIADUCT TO DOWNTOWN GILROY	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	BOLSA ROAD AND BLOOMFIELD
BOOK 1C	103	CV-T0909	MORGAN HILL AND GILROY	BLOOMFIELD ACCESS RD	VIADUCT TO DOWNTOWN GILROY	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	BLOOMFIELD ACCESS ROAD
BOOK 1C	104	CV-G0901	MORGAN HILL AND GILROY	CARNADERO AVE, SHELDON AVE	VIADUCT/AT-GRADE TO DOWNTOWN GILROY	SOAP LAKE FLOOD PLAIN	DETAIL

### PACHECO PASS

BOOK 1C	105	CV-S1401	PACHECO PASS	ROMERO RD, CA-152	TUNNEL	CIVIL DETAILS	
---------	-----	----------	--------------	-------------------	--------	---------------	--

### SAN JOAQUIN VALLEY

BOOK 1C	106	CV-S1601	SAN JOAQUIN VALLEY	MONTEREY RD, INGOMAR GRADE	HENRY MILLER ROAD	CIVIL DETAILS	
BOOK 1C	107	CV-T1603	SAN JOAQUIN VALLEY	VOLTA RD, HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ROAD
BOOK 1C	108	CV-T1604	SAN JOAQUIN VALLEY	HENRY MILLER ACCESS	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ACCESS
BOOK 1C	109	CV-T1606	SAN JOAQUIN VALLEY	HENRY MILLER RD, MERCY SPRINGS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	MERCY SPRINGS ROAD
BOOK 1C	110	CV-T1609	SAN JOAQUIN VALLEY	DELTA RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	DELTA ROAD
BOOK 1C	111	CV-T1610	SAN JOAQUIN VALLEY	TURNER ISLAND RD, HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	TURNER ROAD
BOOK 1C	112	CV-T1611	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	CARLUCCI ROAD
BOOK 1C	113	CV-T1612	SAN JOAQUIN VALLEY	HUTCHINS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HUTCHINS ROAD

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

\$FILE\$ \$PLOTDRVS\$ \$PENTBL\$ \$TIME\$ \$DATE\$ \$USER\$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

**RECORD PEPD  
SUBMITTAL**  
  
**MAY 3, 2019**  
  
**NOT FOR  
CONSTRUCTION**

1111 Broadway  
 9th Floor  
 Oakland, CA 94607

**CALIFORNIA**  
 High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN JOSE TO MERCED**  
 ALTERNATIVE 1  
 INDEX OF DRAWING  
 SHEET 4 OF 7

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0104
SCALE	NONE
SHEET NO.	

**ALTERNATIVE 1 - VIADUCT TO DOWNTOWN GILROY**

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
<b>MAINTENANCE OF WAY</b>							
BOOK 1C	114	MY-B0906	MORGAN HILL AND GILROY	CARNADERO AVE, SHELDON AVE	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 1C	115	MY-B0907	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN
BOOK 1C	116	MY-B0908	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	MAINTENANCE OF WAY FACILITY	DETAIL PLAN

**TUNNELS - PACHECO PASS**

BOOK 1C	117	TN-D1404	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1	
BOOK 1C	118	TN-D1405	PACHECO PASS	ACCESS RD 1	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 1C	119	TN-D1406	PACHECO PASS	CALIFORNIA AQUEDUCT	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 1C	120	TN-D1407	PACHECO PASS	ACCESS RD 2	TUNNEL	TUNNEL PORTAL 2 ACCESS ROAD	
BOOK 1C	121	TN-D1408	PACHECO PASS	N/A	TUNNEL	LONGITUDINAL PROFILE	
BOOK 1C	122	TN-D1409	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 1C	123	TN-D1410	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 1C	124	TN-D1411	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 1C	125	TN-D1412	PACHECO PASS	N/A	TUNNEL	GRADING DETAIL	
BOOK 1C	126	TN-D1413	PACHECO PASS	I-5, FAHEY RD	TUNNEL	GRADING DETAIL	
BOOK 1C	127	TN-D1414	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 1	SECTIONS
BOOK 1C	128	TN-D1415	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2	APPROACH 1
BOOK 1C	129	TN-D1416	PACHECO PASS	N/A	TUNNEL	TUNNEL 2 - PORTAL 2	APPROACH 2

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

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

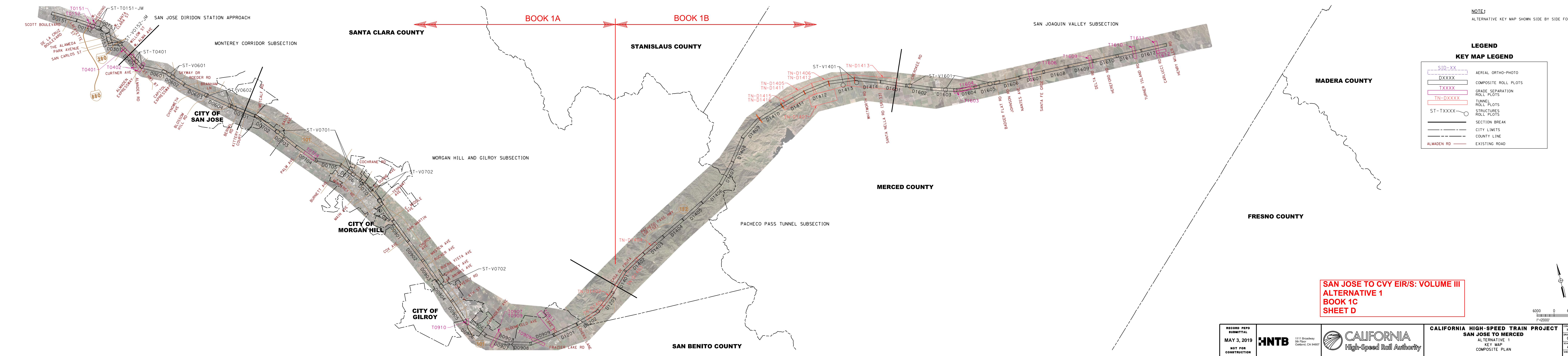


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
SAN JOSE TO MERCED**  
ALTERNATIVE 1  
INDEX OF DRAWING  
SHEET 5 OF 7

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0105
SCALE	NONE
SHEET NO.	

**ALTERNATIVE 1 BOOK INDEX**

- BOOK 1A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS**
- BOOK 1B: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS, STATIONS, STRUCTURES**
- BOOK 1C: ROADWAY, MAINTENANCE OF WAY, TUNNELS - PACHECO PASS**
- BOOK 1D: CONSTRUCTION STAGING, ALIGNMENT DATA TABLES**



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

**LEGEND**

**KEY MAP LEGEND**

SID-XX	AERIAL ORTHO-PHOTO
DXXXX	COMPOSITE ROLL PLOTS
TXXXX	GRADE SEPARATION ROLL PLOTS
TN-DXXXX	TUNNEL ROLL PLOTS
ST-TXXXX	STRUCTURES ROLL PLOTS
(Thick line)	SECTION BREAK
(Dashed line)	CITY LIMITS
(Dotted line)	COUNTY LINE
(Thin line)	EXISTING ROAD

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

RECORD PERIOD SUBMITTAL <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> ALTERNATIVE 1 KEY MAP COMPOSITE PLAN	CONTRACT NO. HSR15-34 DRAWING NO. CE-D0101 SCALE AS SHOWN SHEET NO.
---	--	--	---	---

11/7/2019 9:55:11 AM c:\p02\proj\constr\11...  
 2:57:55 pm 11-16-19 11:16:06 CAD Volume 3.dwg In progress: alt\p02\ce-d0101.dwg  
 11/7/2019 9:55:11 AM c:\p02\proj\constr\11...

SAN MATEO COUNTY

SANTA CRUZ COUNTY

SANTA CLARA COUNTY

STANISLAUS COUNTY

MERCED COUNTY

PACHECO PASS TUNNEL SUBSECTION

SAN JOAQUIN VALLEY SUBSECTION

SAN BENITO COUNTY

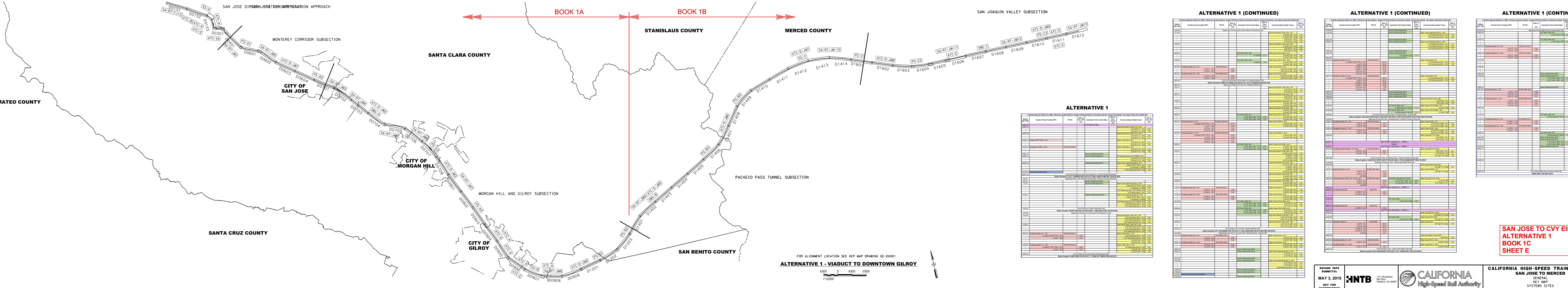
SAN JOSE DIRTBOND JUNCTION APPROACH

MONTEREY CORRIDOR SUBSECTION

CITY OF MORGAN HILL

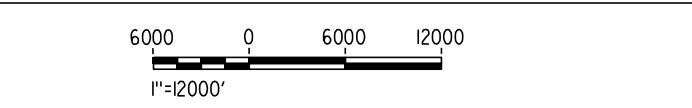
MORGAN HILL AND GILROY SUBSECTION

CITY OF GILROY



FOR ALIGNMENT LOCATION SEE KEP MAP DRAWING GE-00001

ALTERNATIVE 1 - VIADUCT TO DOWNTOWN GILROY



ALTERNATIVE 1

Table with columns: Station (SB TRM), Traction Power Facility (TPF), TPF ID, Date to Prev (DT), Automatic Train Control System (ATC), Communications Radio Tower (CRT), Date to Prev (DT), and Mile to Prev (MT). The table lists various stations and facilities along the route, including San Jose Dirtbond Junction, Monterey Corridor, Morgan Hill, and San Joaquin Valley.

ALTERNATIVE 1 (CONTINUED)

Continuation of the table from the previous section, listing stations and facilities from Stanislaus County through Merced County.

ALTERNATIVE 1 (CONTINUED)

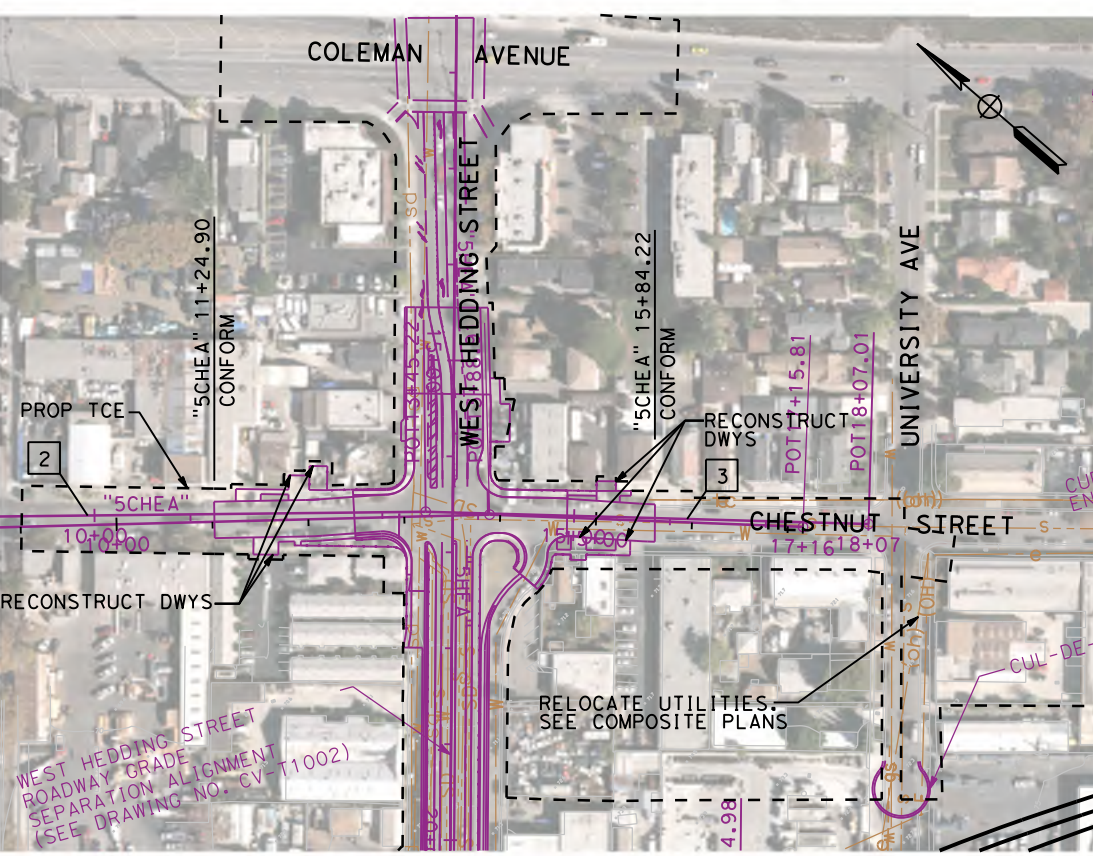
Continuation of the table from the previous section, listing stations and facilities from the Pacheco Pass Tunnel Subsection through the San Joaquin Valley Subsection.

ALTERNATIVE 1 (CONTINUED)

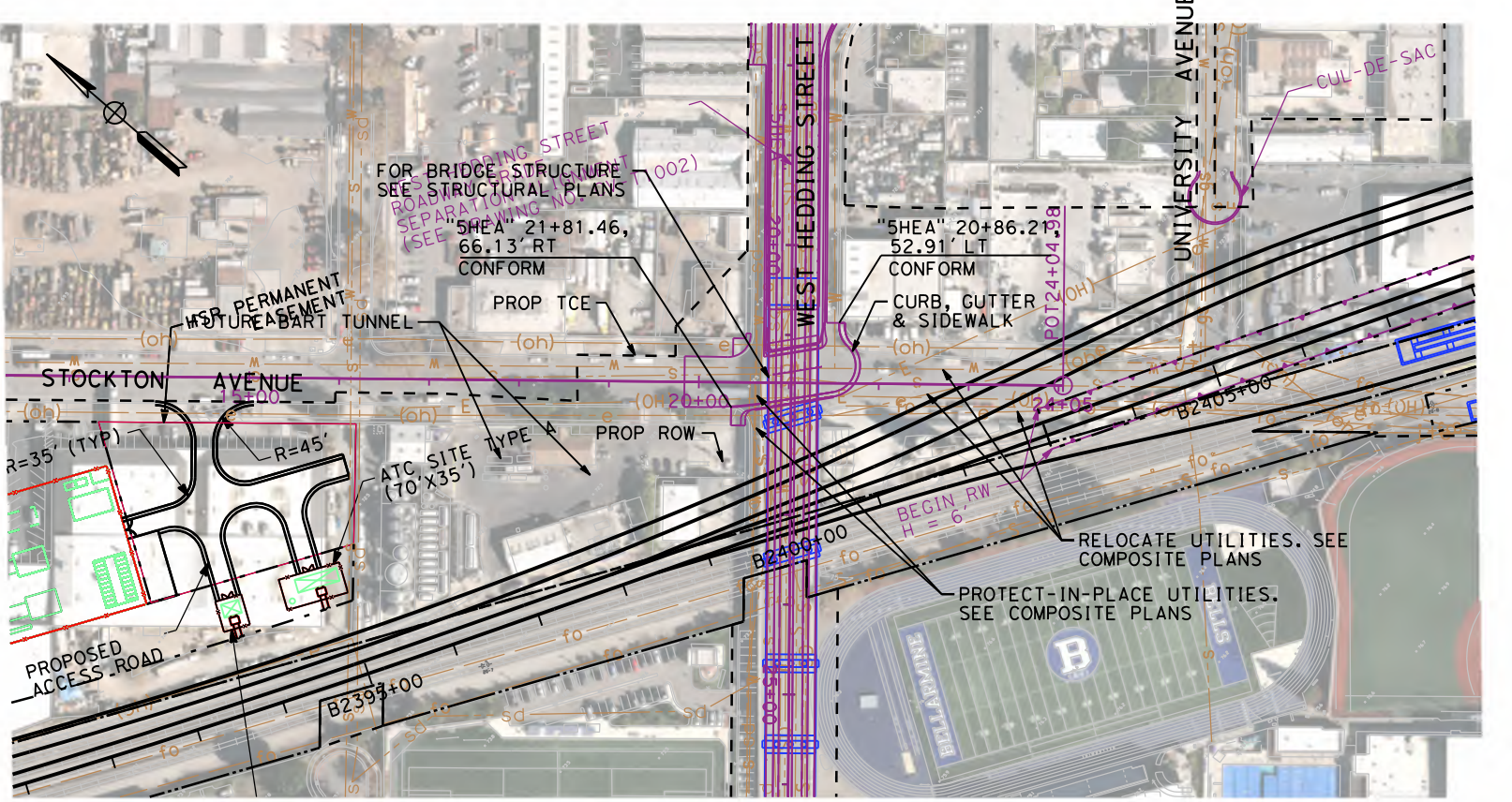
Continuation of the table from the previous section, listing stations and facilities for the final subsections of the project.

SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET E

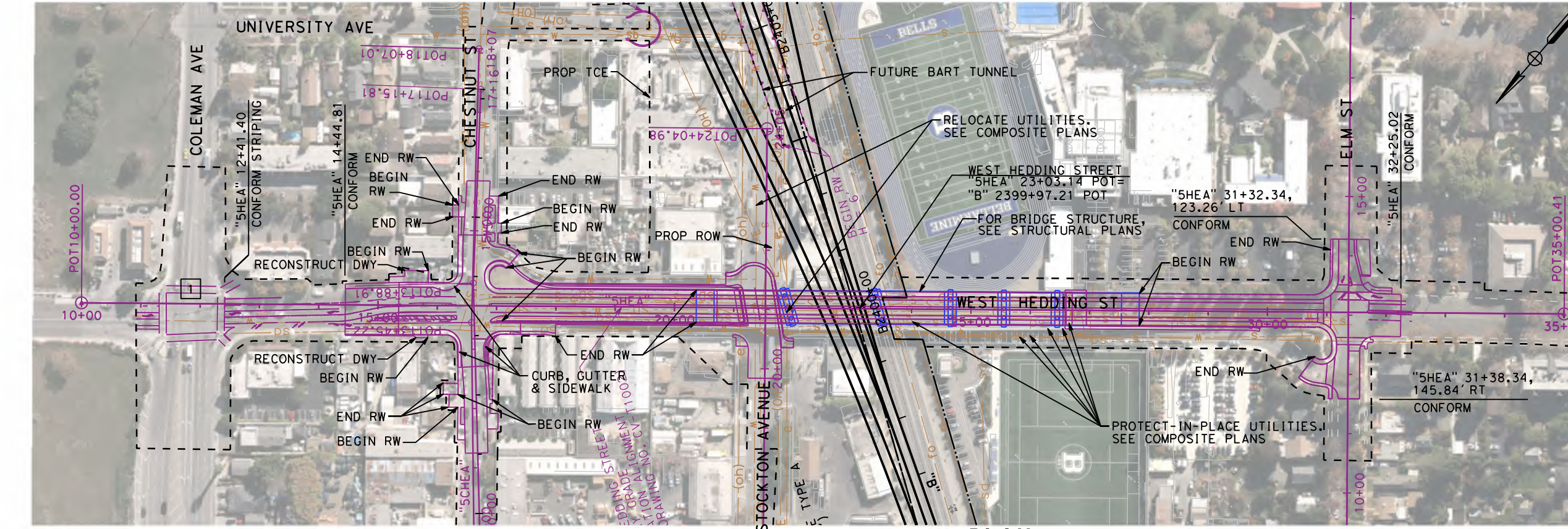
RECORD PREP BUREAU MAY 3, 2019 NOT FOR CONSTRUCTION HNTB 1111 Broadway 9th Floor Oakland, CA 94607 CALIFORNIA High-Speed Rail Authority CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED GENERAL KEY MAP SYSTEMS SITES CONTRACT NO. HSR15-34 DRAWING NO. GE-0102 SCALE AS SHOWN SHEET NO.



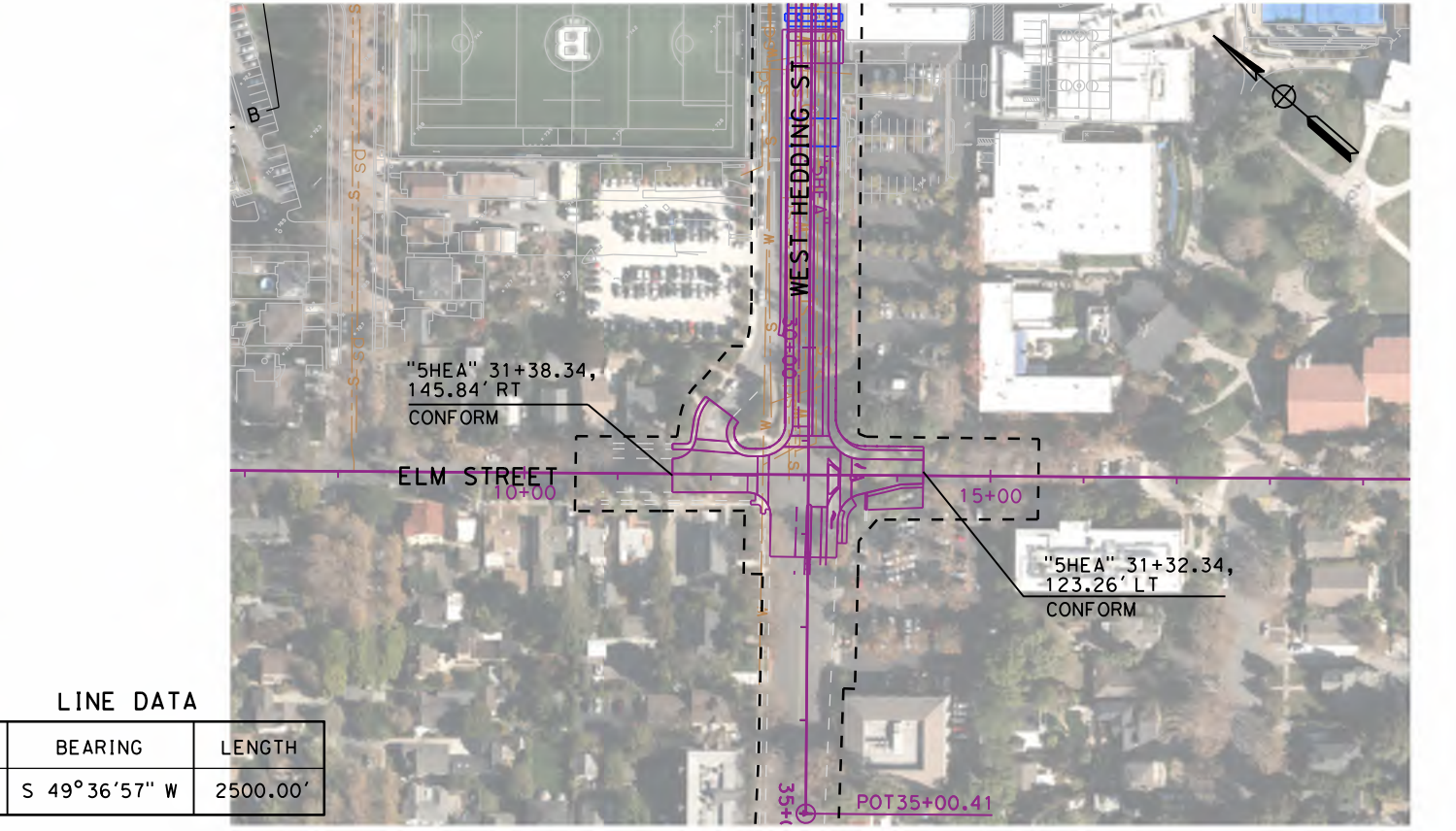
**PLAN**  
CHESTNUT AVENUE  
SCALE: 1"=200'



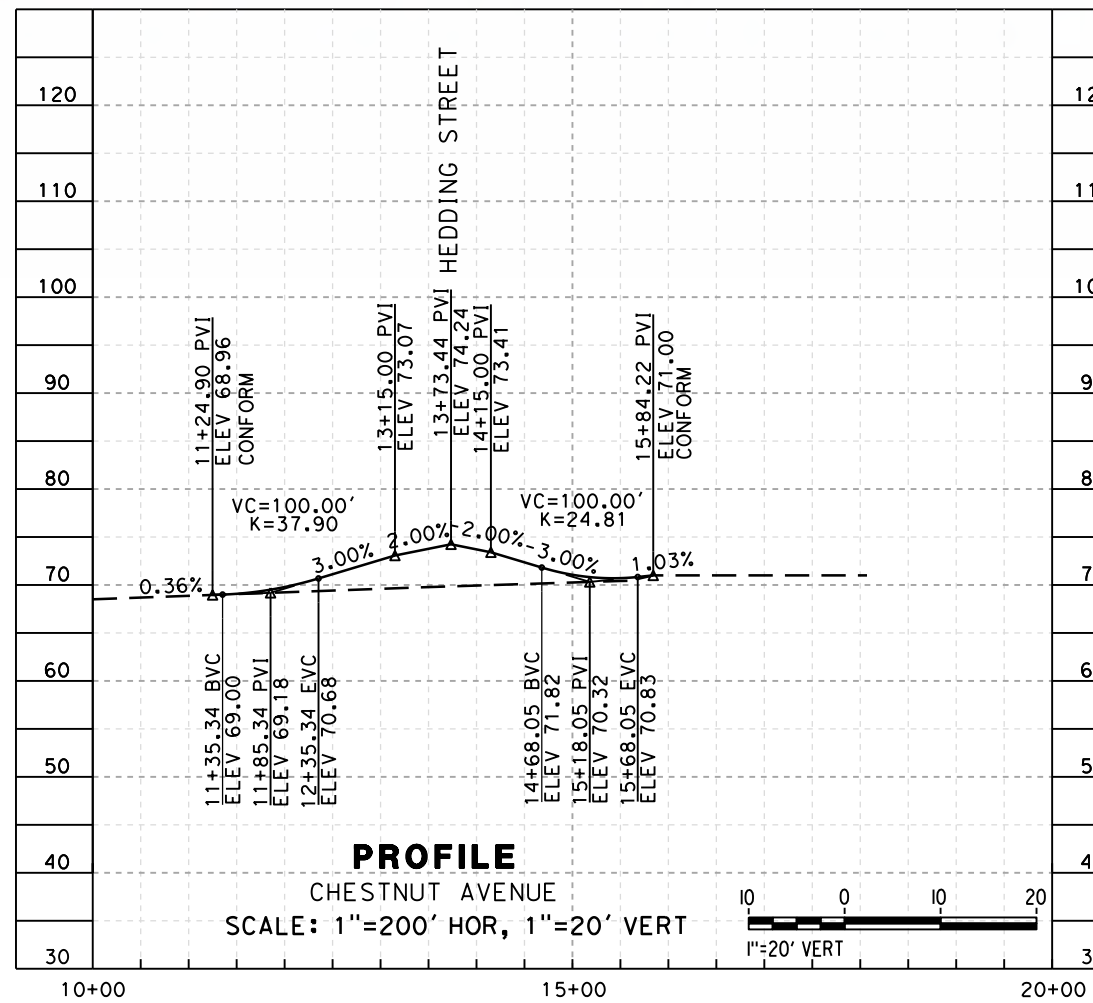
**PLAN**  
STOCKTON AVENUE  
SCALE: 1"=200'



**PLAN**  
ELM STREET  
SCALE: 1"=200'



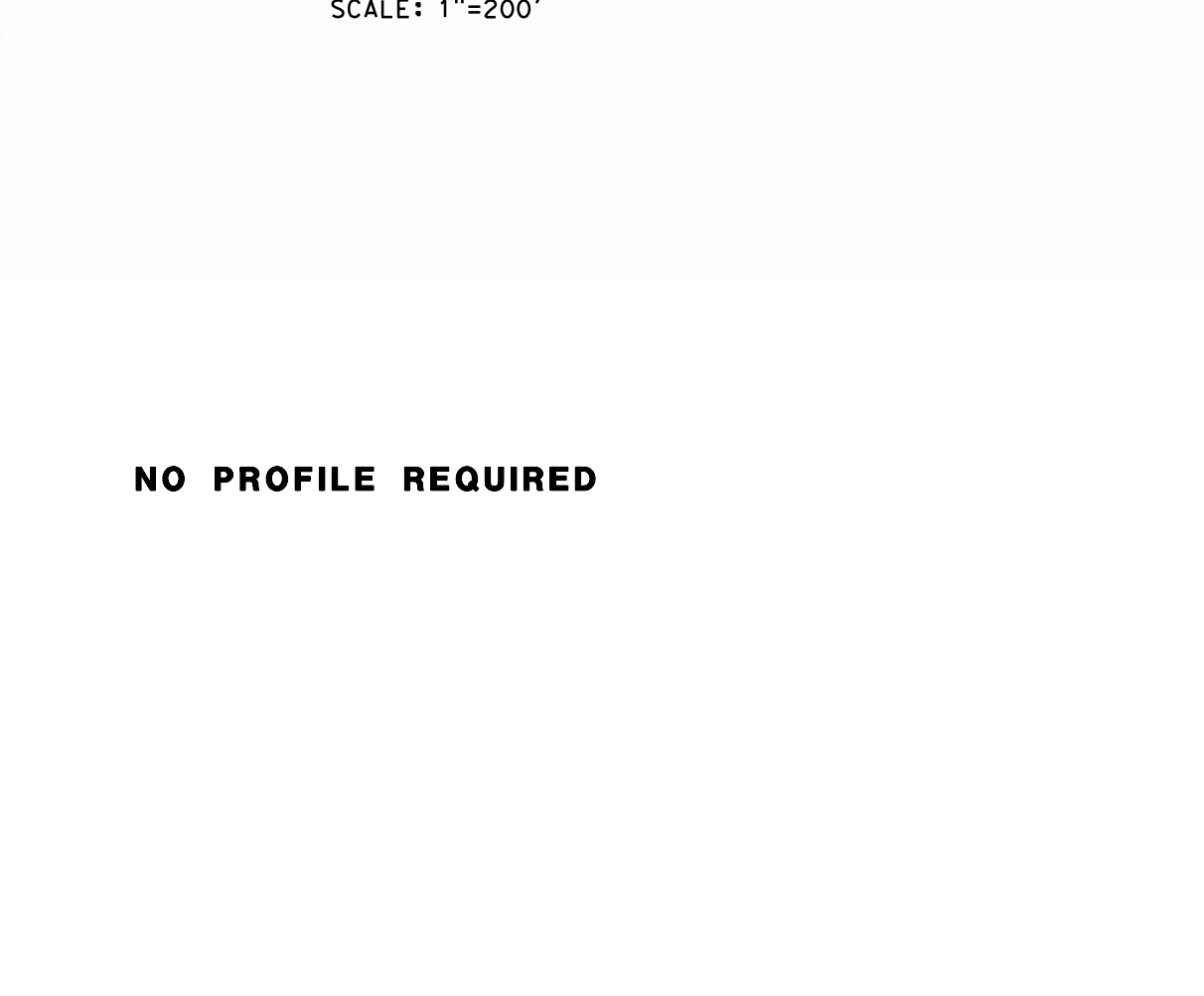
**PLAN**  
UNIVERSITY AVENUE  
SCALE: 1"=200'



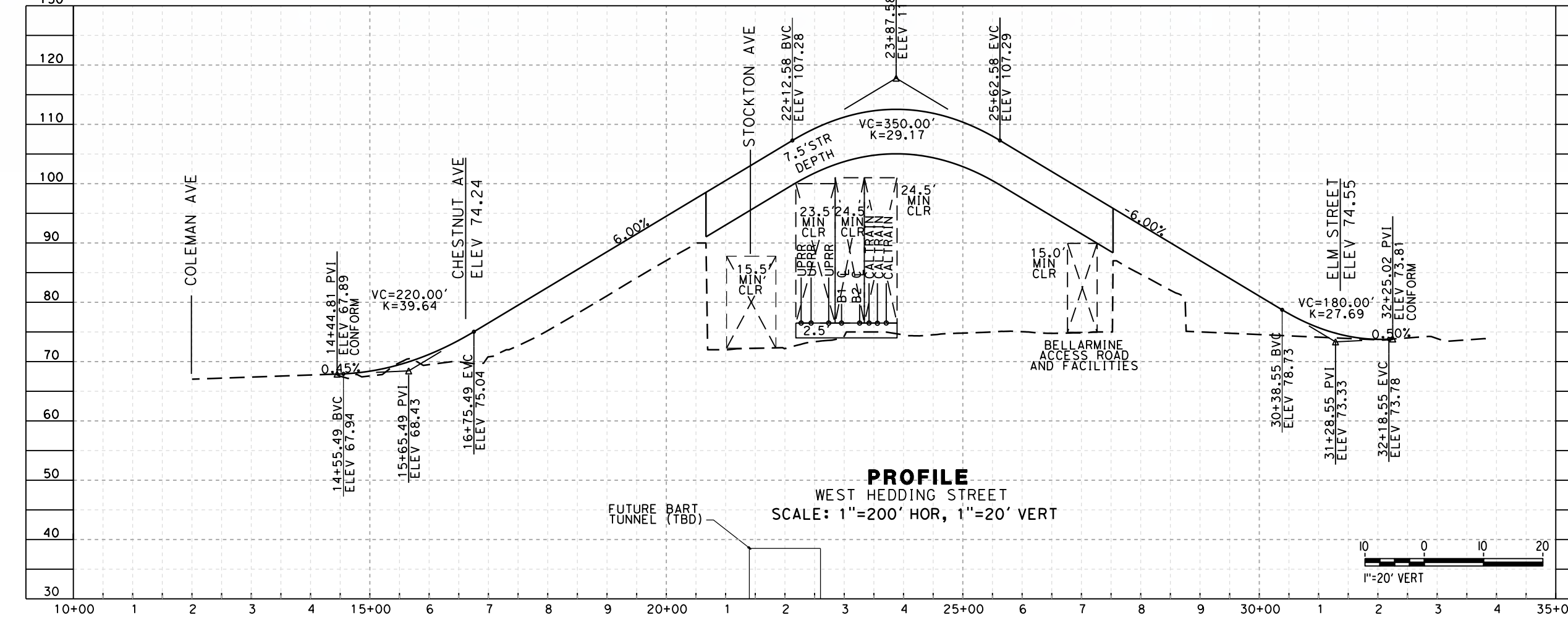
**PROFILE**  
CHESTNUT AVENUE  
SCALE: 1"=200' HOR, 1"=20' VERT

LINE DATA

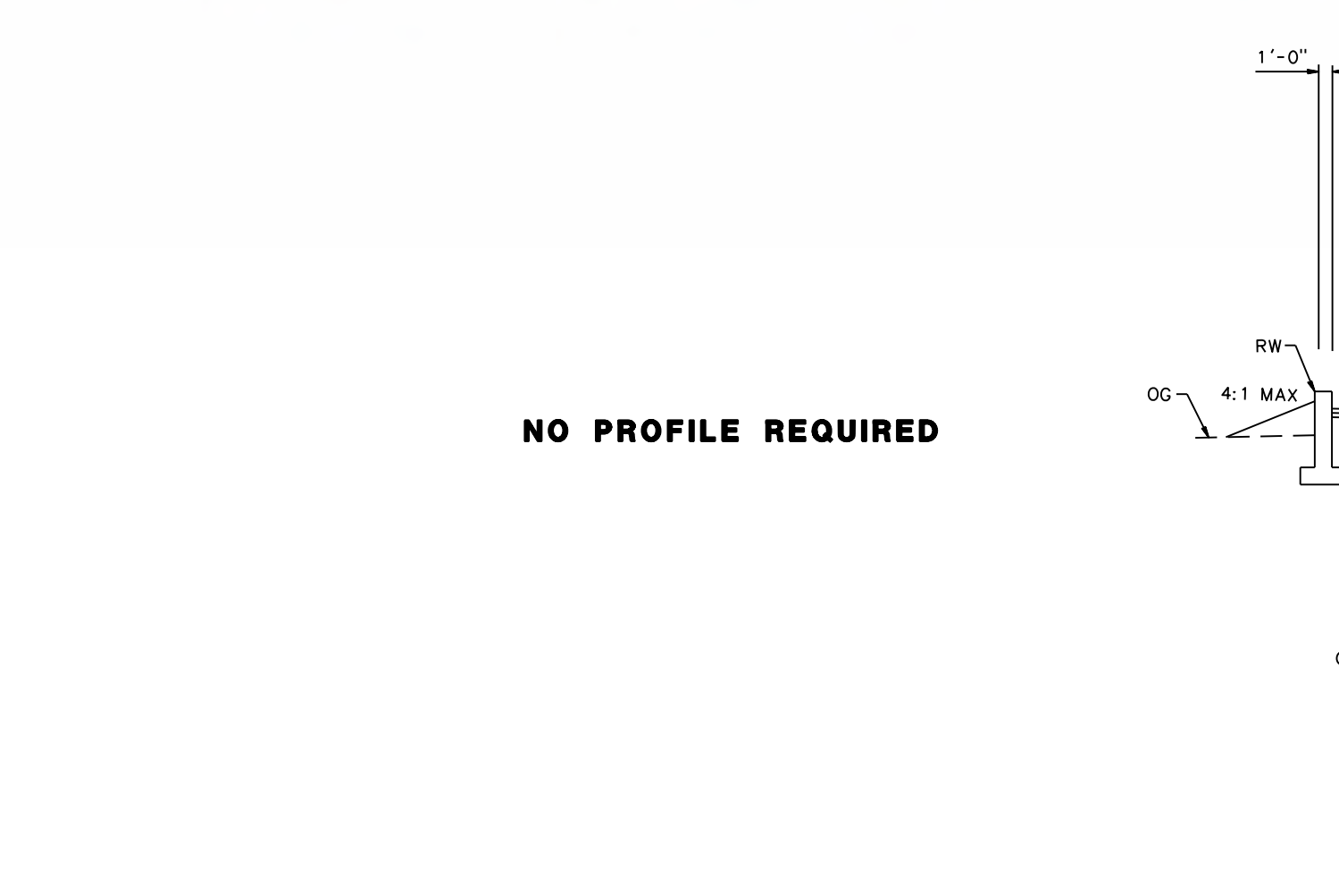
NO.	BEARING	LENGTH
2	S 41°26'58" E	595.22'
3	S 39°13'42" E	461.79'



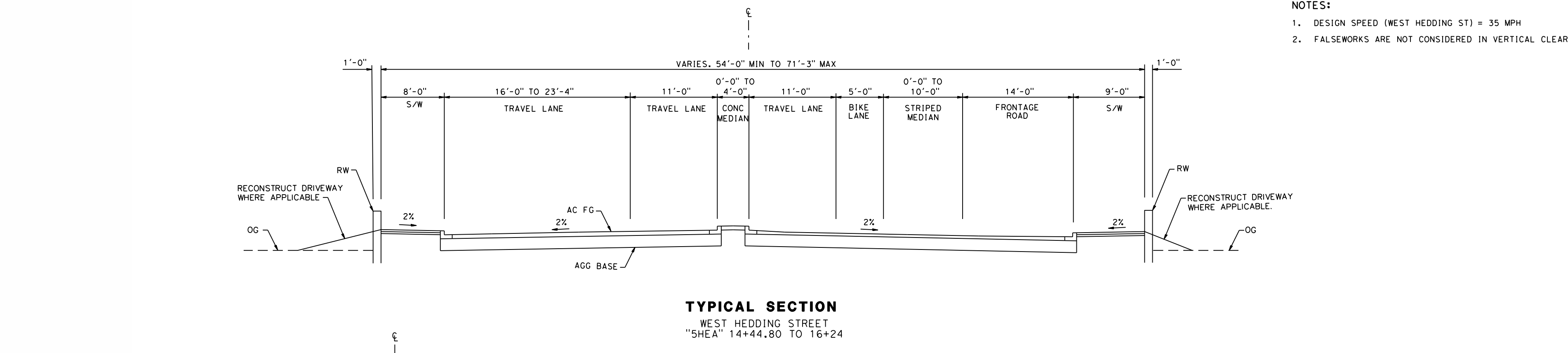
**PROFILE**  
STOCKTON AVENUE  
SCALE: 1"=200' HOR, 1"=20' VERT



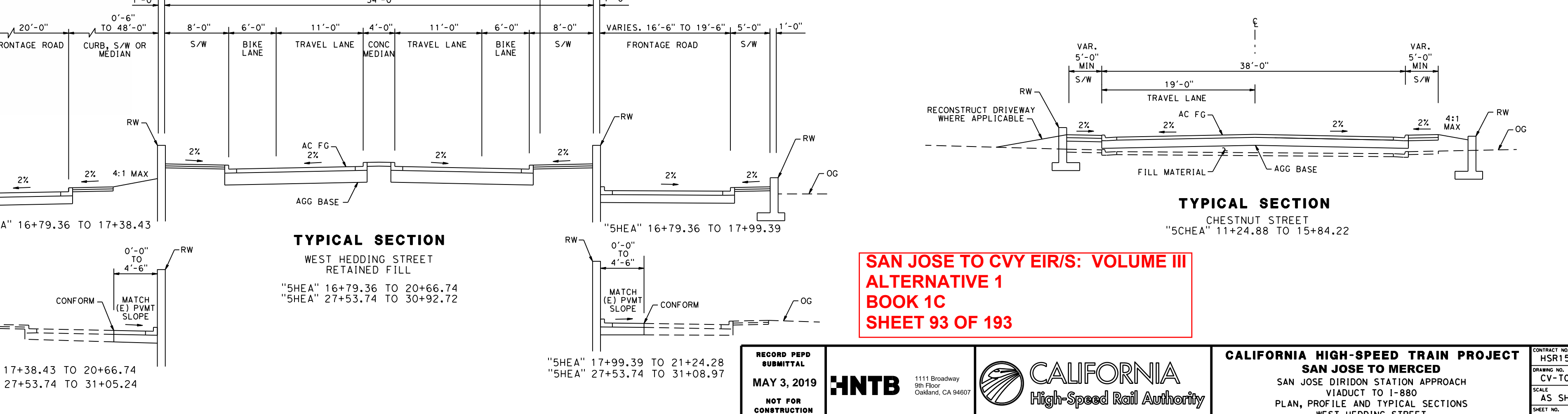
**PROFILE**  
WEST HEDDING STREET  
SCALE: 1"=200' HOR, 1"=20' VERT



**PROFILE**  
ELM STREET  
SCALE: 1"=200' HOR, 1"=20' VERT



**TYPICAL SECTION**  
WEST HEDDING STREET  
"SHEA" 14+44.80 TO 16+24



**TYPICAL SECTION**  
CHESTNUT STREET  
"SHEA" 11+24.88 TO 15+84.22

- NOTES:
- DESIGN SPEED (WEST HEDDING ST) = 35 MPH
  - FALSEWORKS ARE NOT CONSIDERED IN VERTICAL CLEARANCES.

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 93 OF 193**

RECORD PERMITS  
MAY 3, 2019  
NOT FOR CONSTRUCTION

**HNTB**

1111 Broadway  
9th Floor  
Oakland, CA 94607

**CALIFORNIA**  
High-Speed Rail Authority

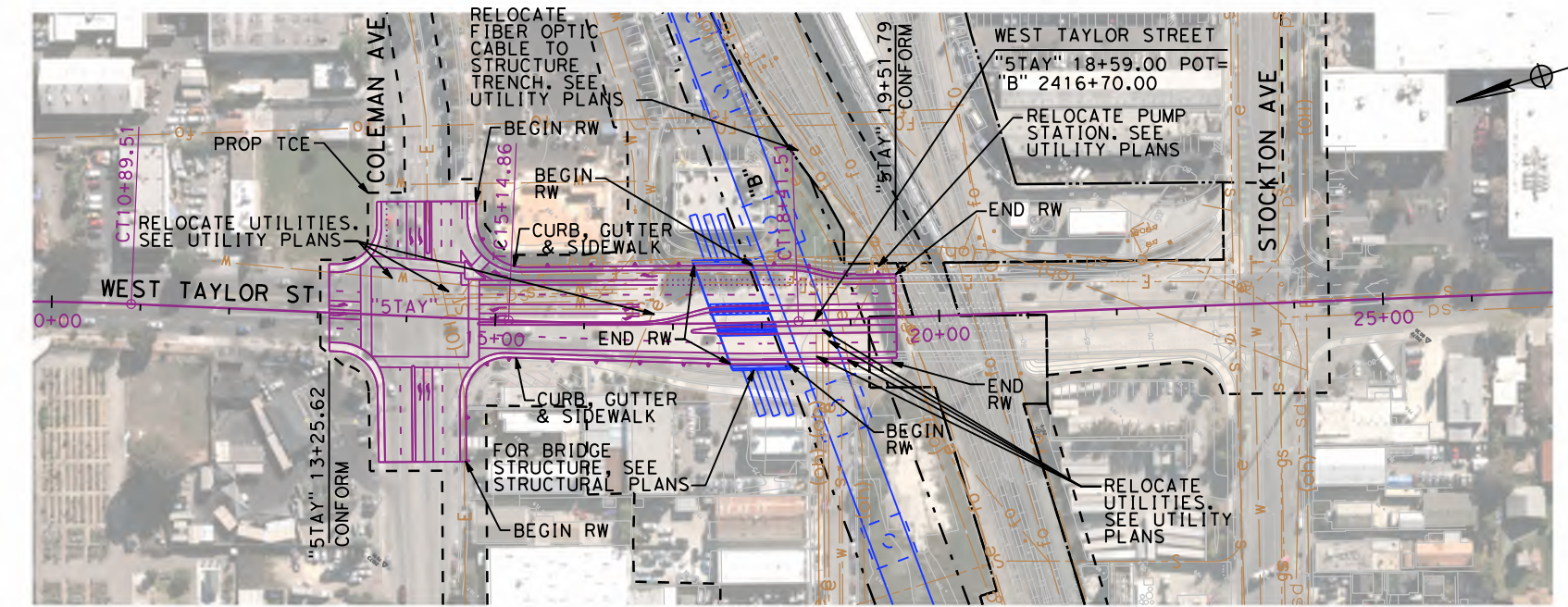
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN JOSE TO MERCED**  
SAN JOSE DIRIDON STATION APPROACH  
VIADUCT TO I-880  
PLAN, PROFILE AND TYPICAL SECTIONS  
WEST HEDDING STREET

CONTRACT NO.  
HSR15-34

DRAWING NO.  
CV-T0151

SCALE  
AS SHOWN

SHEET NO.

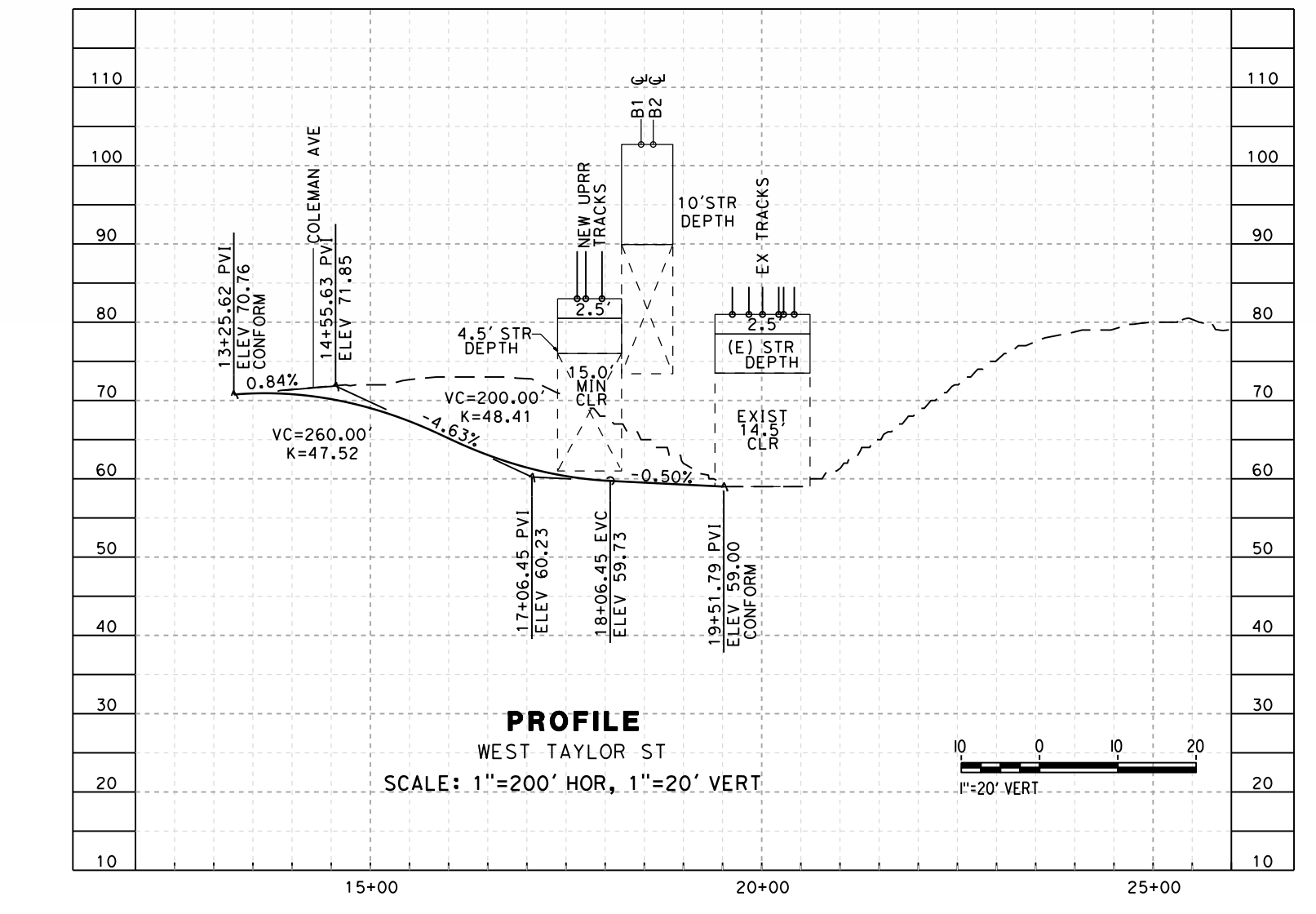
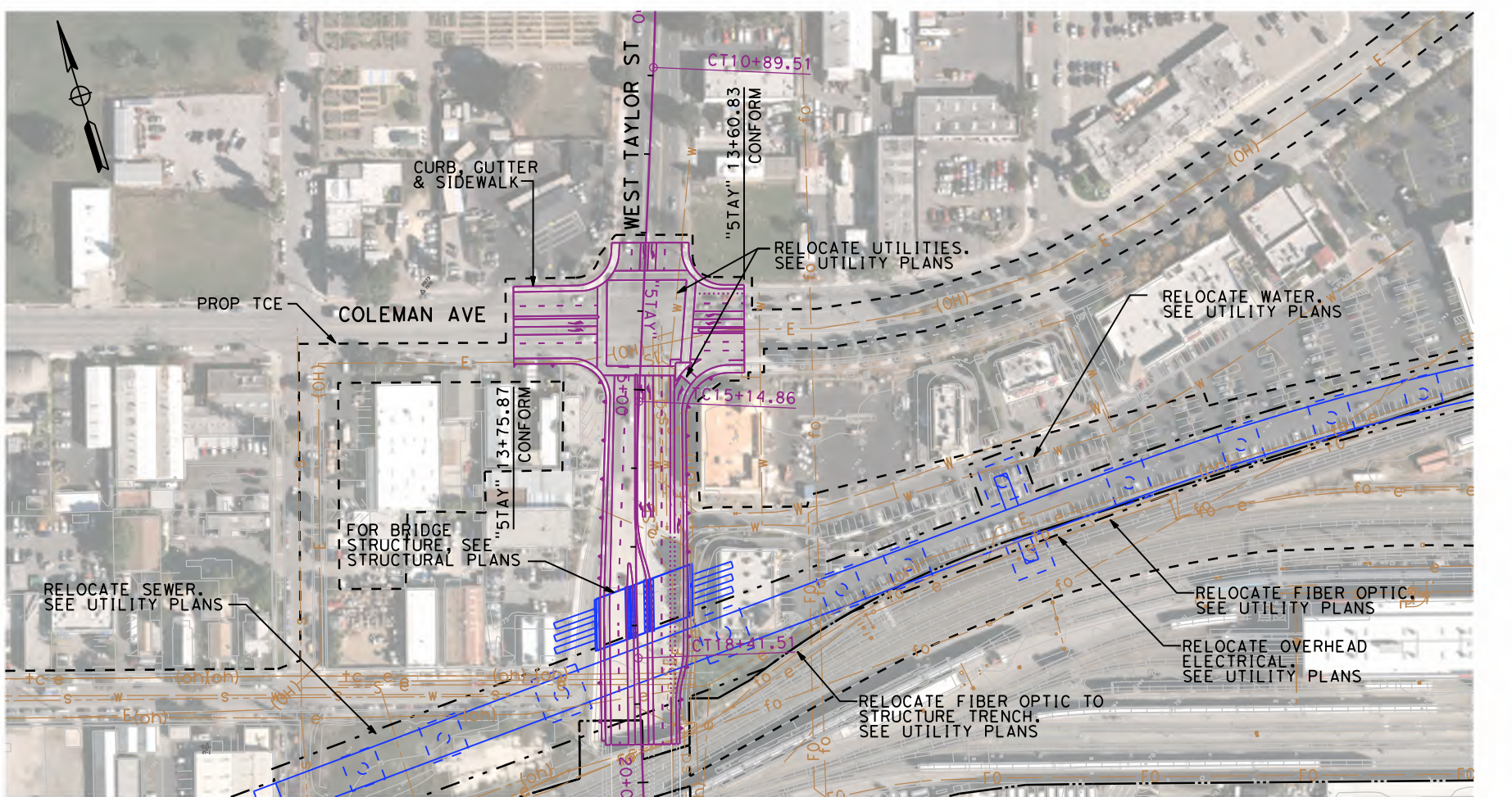


**CURVE DATA**

NO.	RADIUS	DELTA	TANGENT	LENGTH
①	3000.00'	4°07'59"	108.25'	216.41'
②	4000.00'	4°40'44"	163.42'	326.65'
③	3000.00'	1°22'41"	36.08'	72.16'

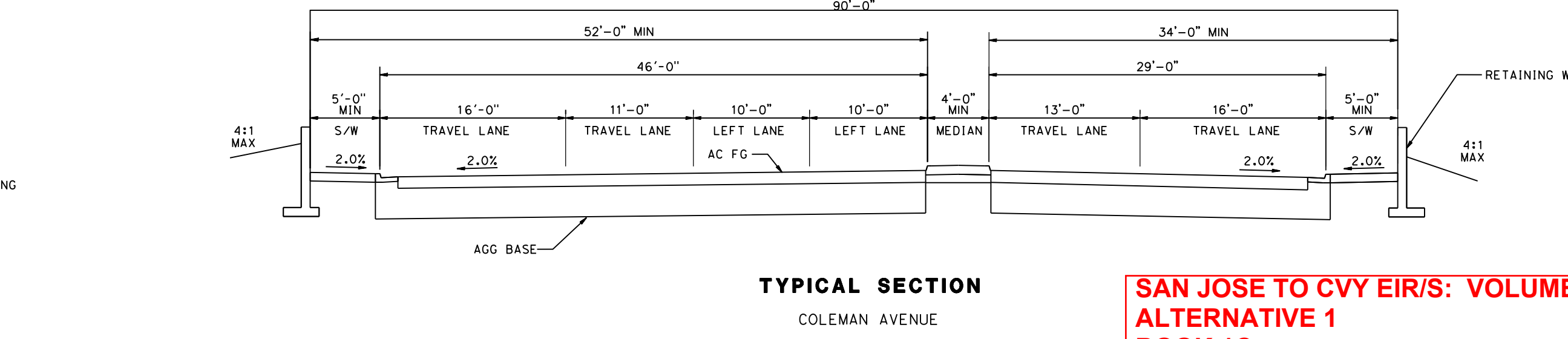
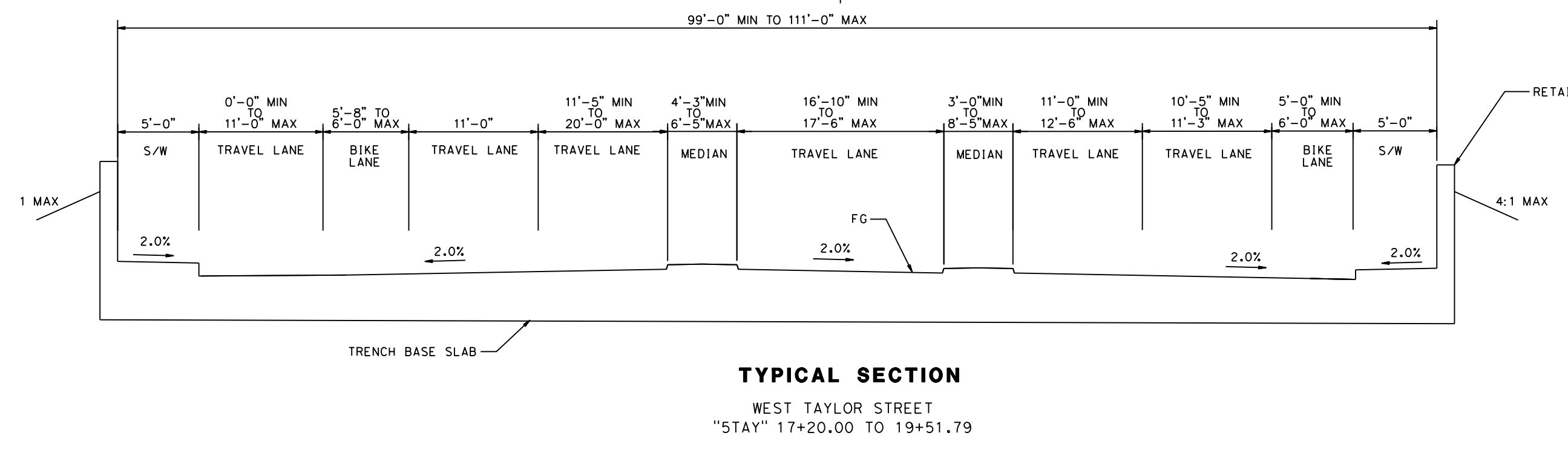
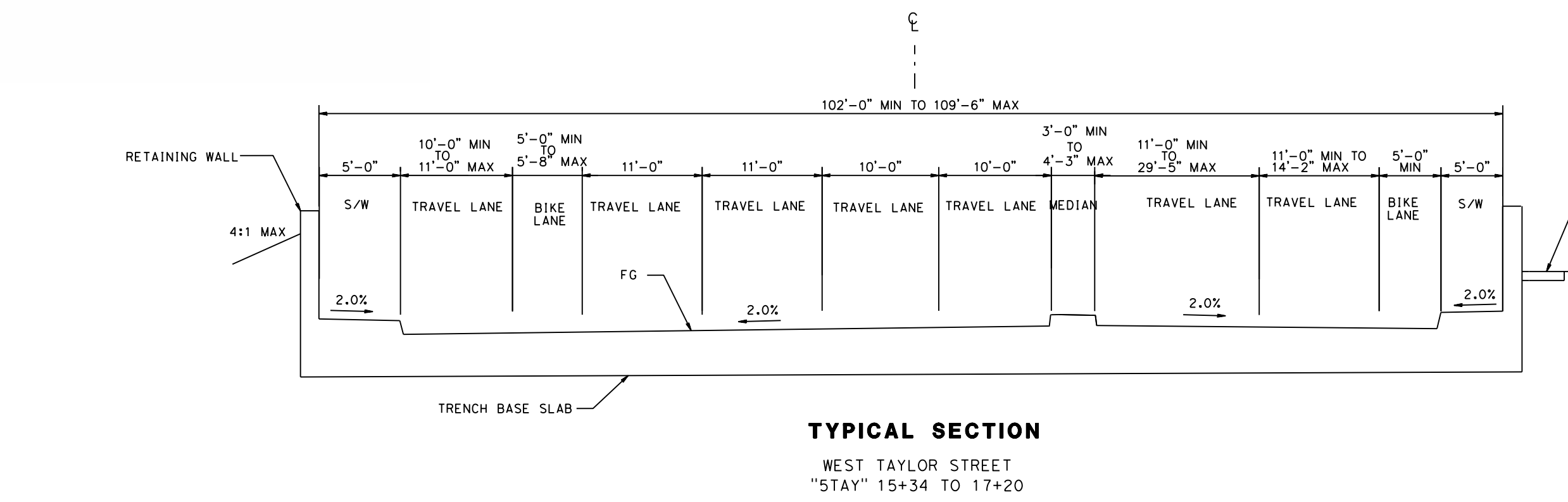
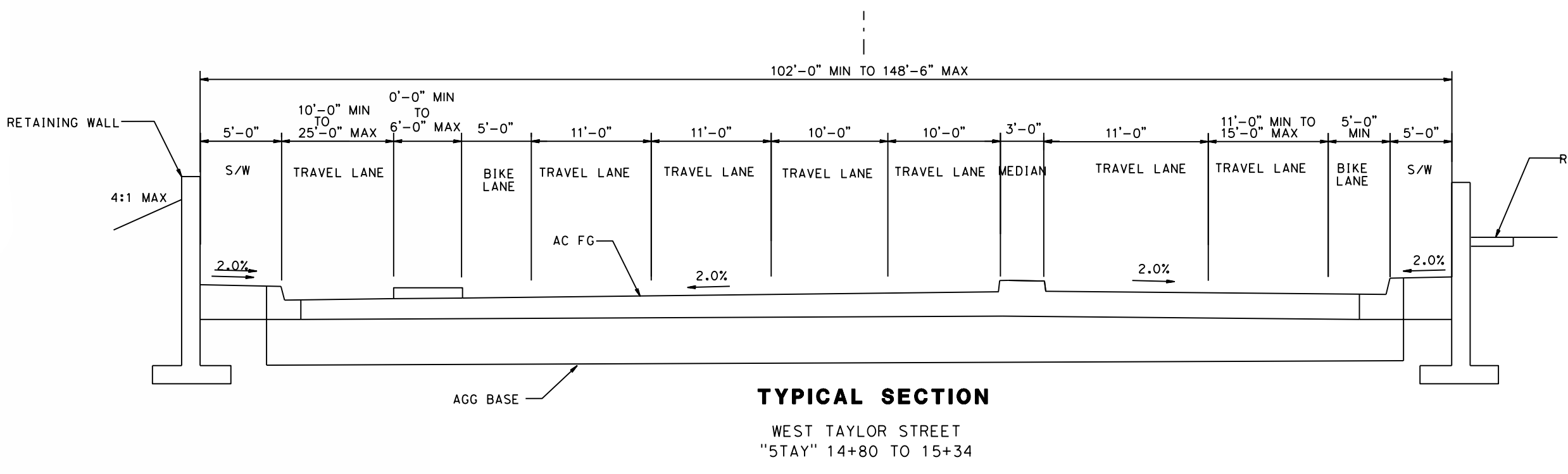
**LINE DATA**

NO.	BEARING	LENGTH
①	S 48°39'06" W	373.11'
②	S 52°47'05" W	425.35'
③	S 48°06'21" W	970.98'
④	S 49°29'03" W	615.19'



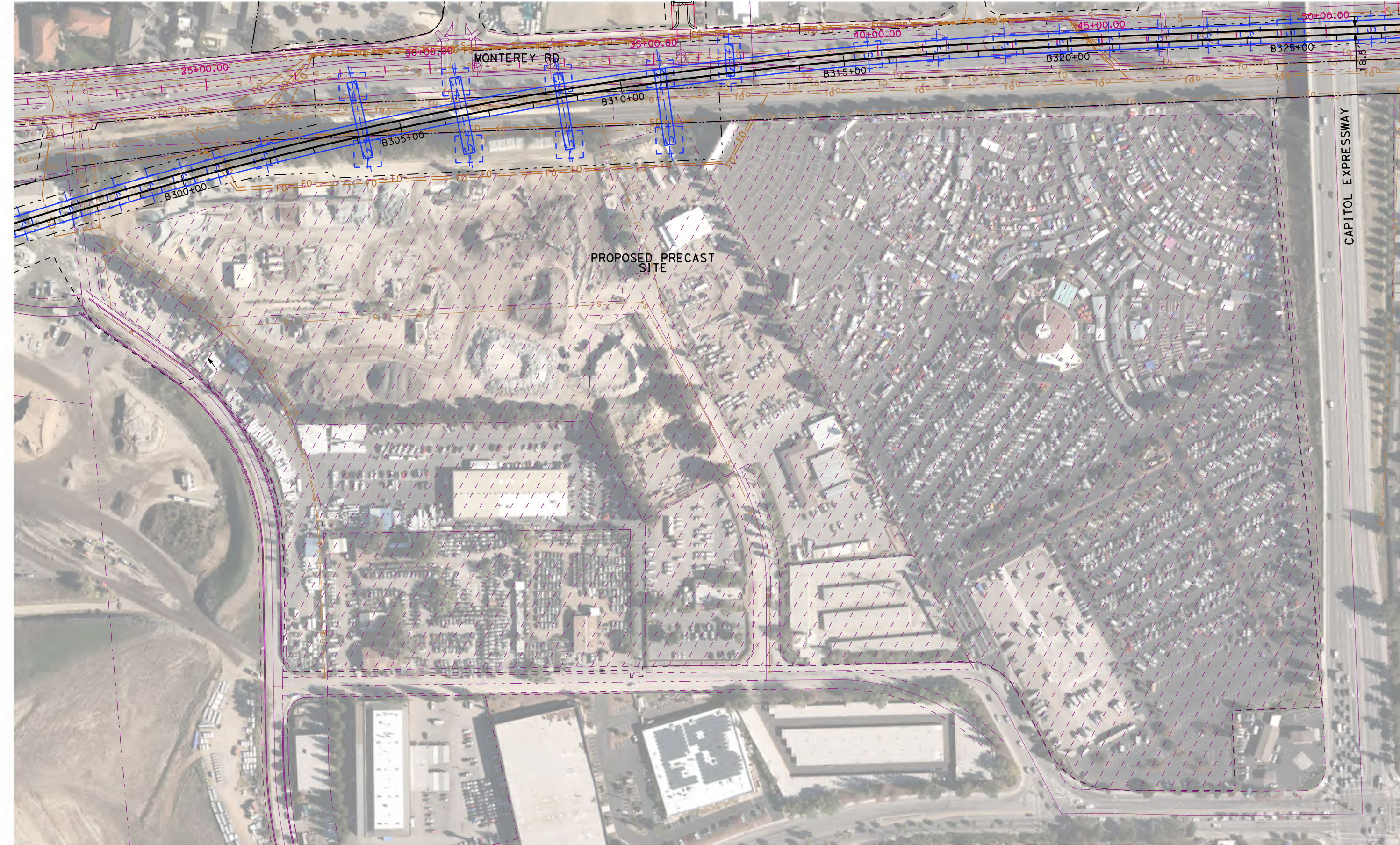
**NO PROFILE REQUIRED**

- NOTES:**
- DESIGN SPEED (WEST TAYLOR ST) = 35 MPH.
  - FALSEWORK ARE NOT CONSIDERED FOR VERTICAL CLEARANCES.

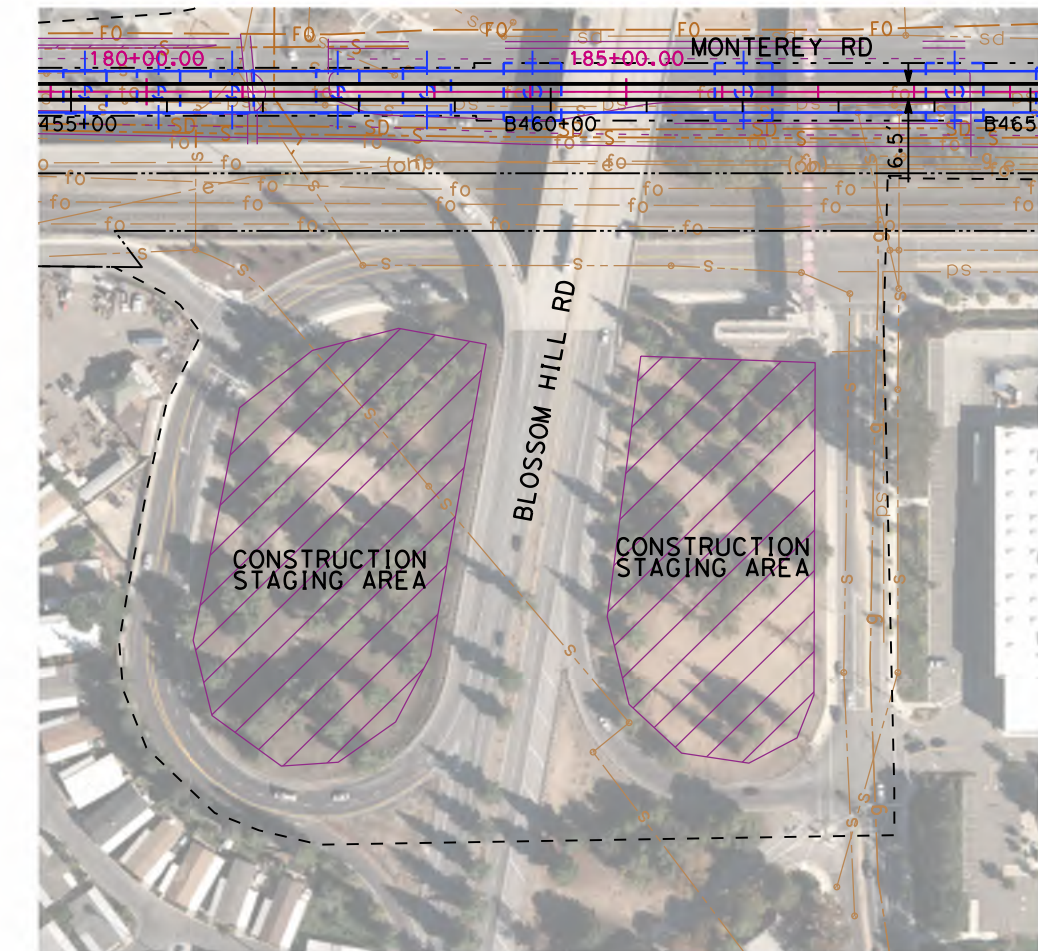
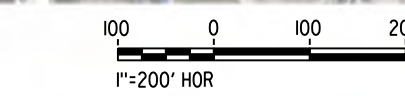


**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 94 OF 193**

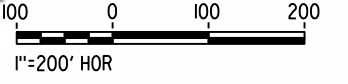
RECORD PERMITS <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> SAN JOSE DIRIDON STATION APPROACH VIADUCT TO 1-880 PLAN, PROFILE AND TYPICAL SECTIONS WEST TAYLOR STREET	CONTRACT NO. HSR15-34 DRAWING NO. CV-T0152 SCALE AS SHOWN SHEET NO.
--	--	---	--	--	---



**PROPOSED CONSTRUCTION STAGING AREA  
AT STA B297+59 TO STA B325+08**  
SCALE: 1"=200'



**PROPOSED CONSTRUCTION STAGING AREAS  
STA B456+27 TO STA B433+00,  
STA B460+59 TO STA B462+76**  
SCALE: 1"=200'



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

**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 95 OF 193**

RECORD PERMITS  
SUBMITTAL  
MAY 3, 2019  
NOT FOR  
CONSTRUCTION



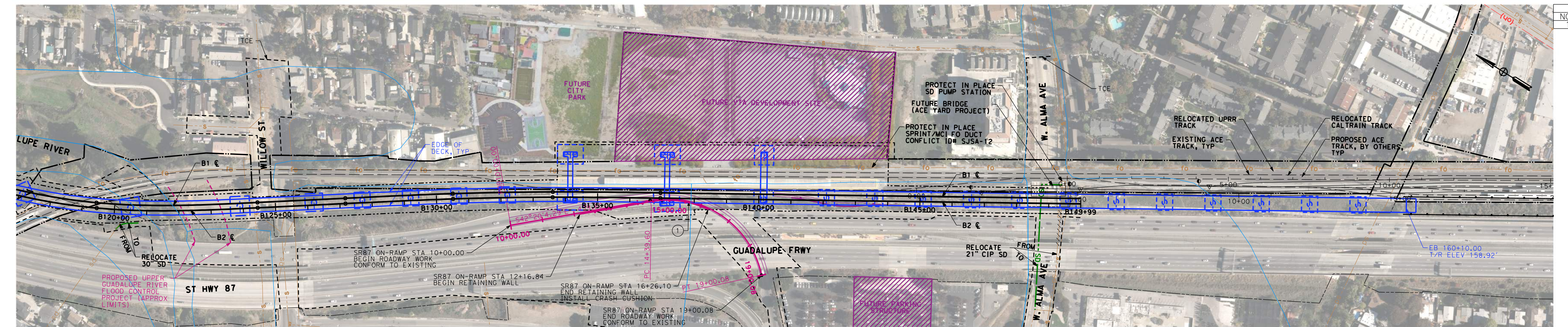
1111 Broadway  
9th Floor  
Oakland, CA 94607



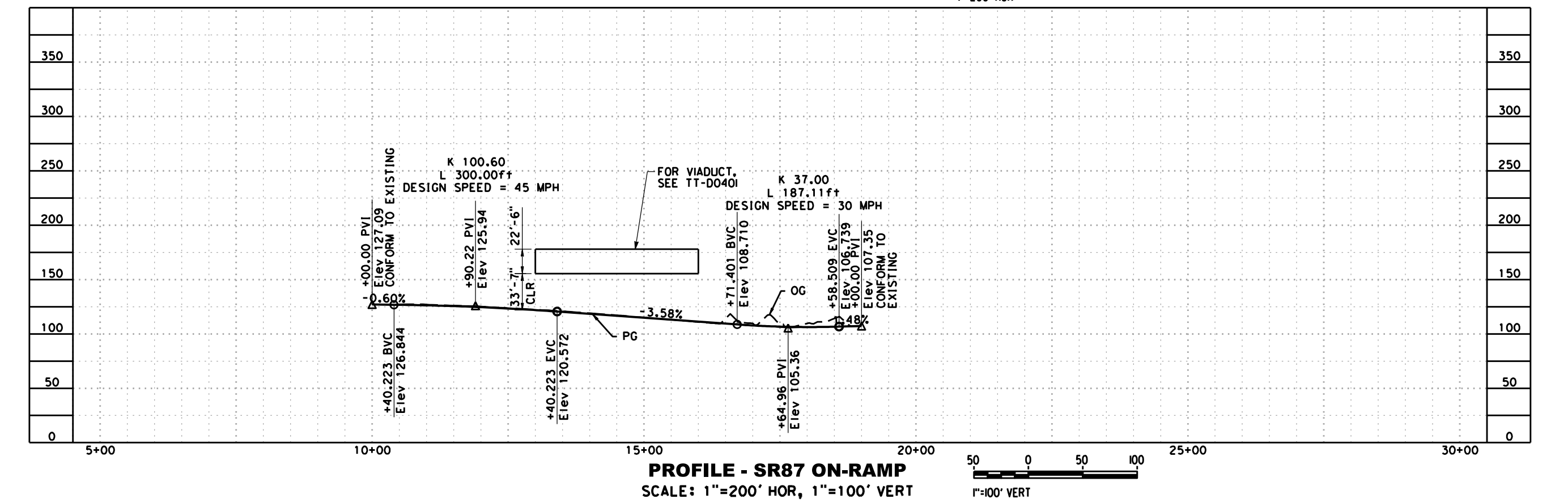
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN JOSE TO MERCED**  
MONTEREY CORRIDOR  
VIADUCT  
CIVIL DETAILS

CONTRACT NO.  
HSR15-33  
DRAWING NO.  
CV-S0601  
SCALE  
AS SHOWN  
SHEET NO.

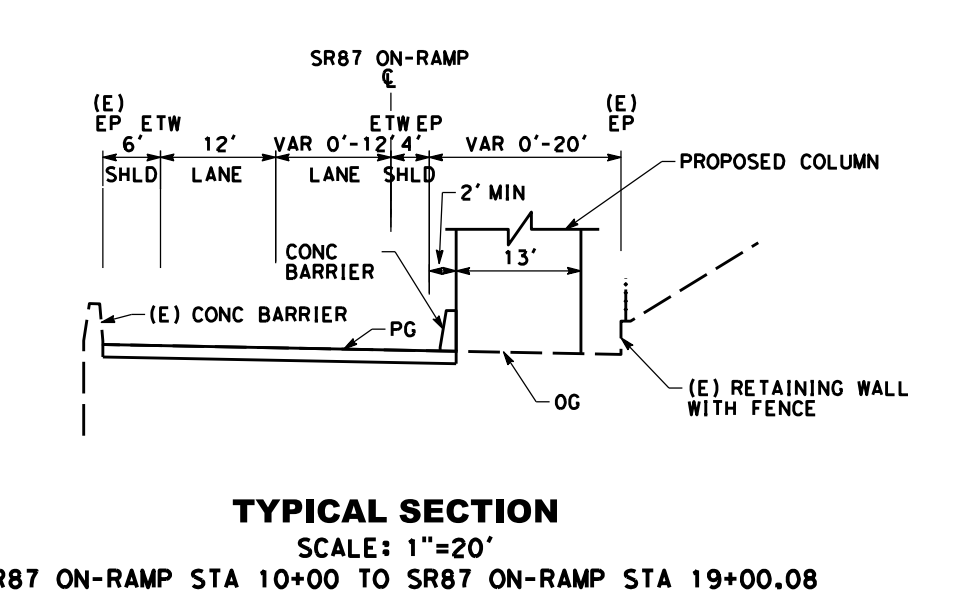




**PLAN - SR87 ON-RAMP**  
SCALE: 1"=100'  
1"=200' HOR



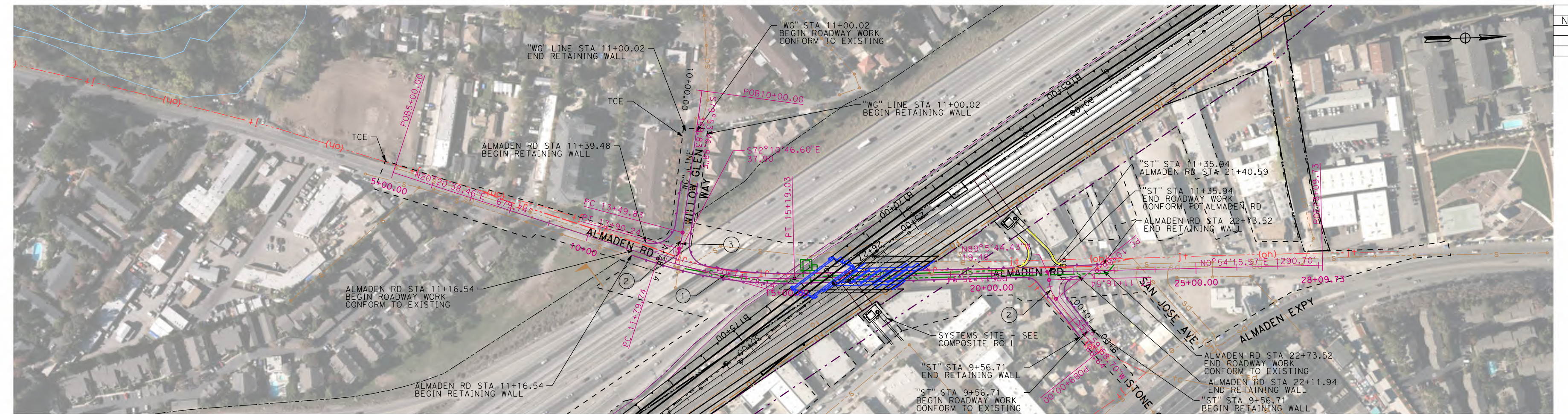
**PROFILE - SR87 ON-RAMP**  
SCALE: 1"=200' HOR, 1"=100' VERT  
1"=100' VERT



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

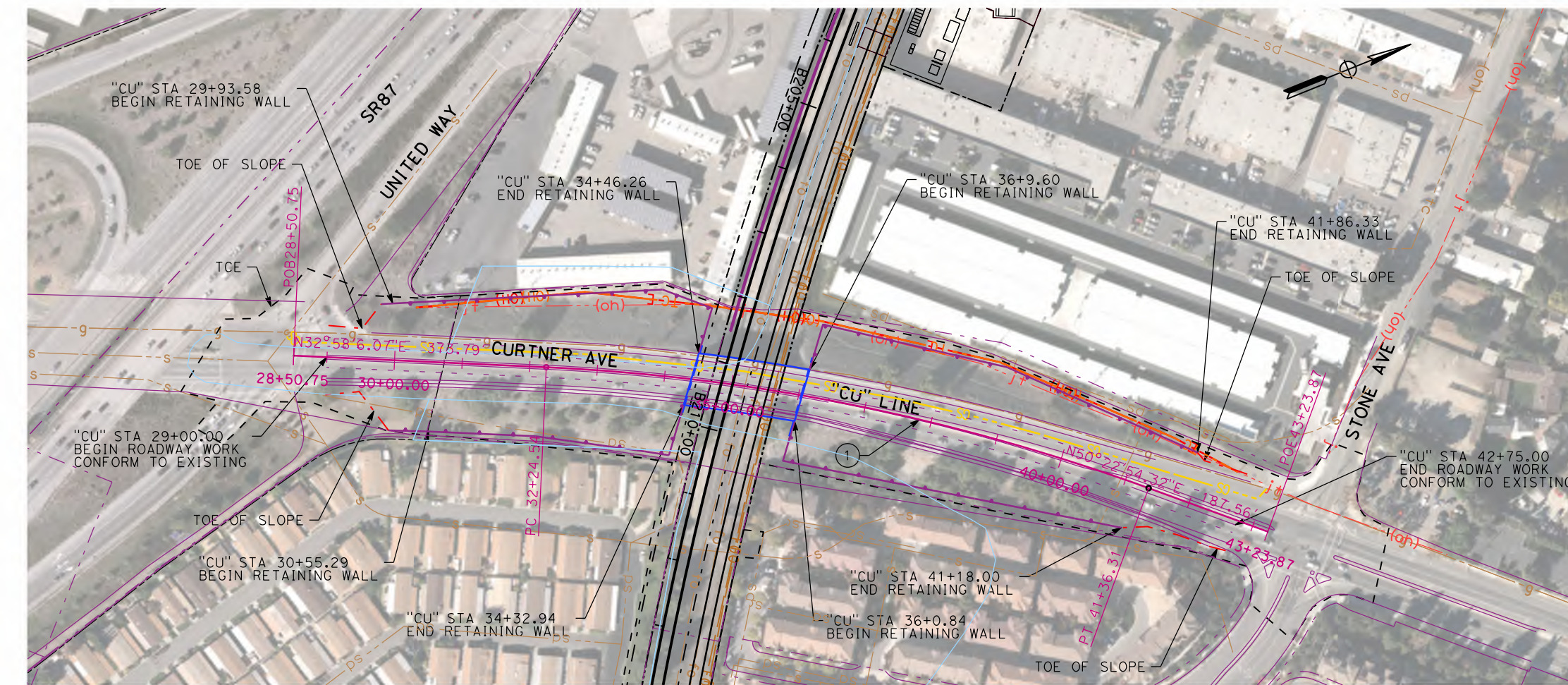
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 96 OF 193**

RECORD PREP SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> 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.
--	--	--	--	---



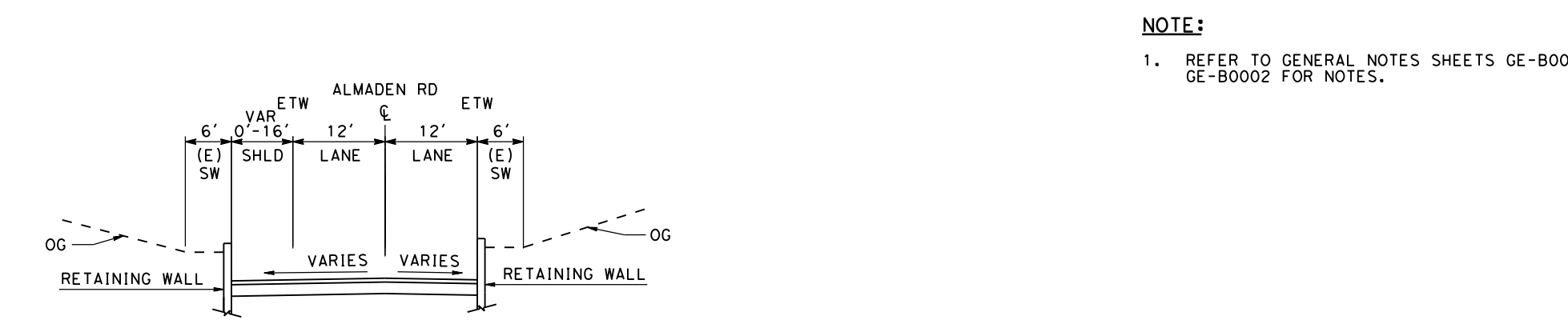
**PLAN - ALMADEN RD**  
SCALE: 1"=100'

CURVE DATA ALMADEN RD, "ST", AND "WG" LINE				
NO.	R	Δ	L	T
1	1000	19°26'22.88"	339.287	171.290
2	77.47	36°54'16.87"	49.90	25.849
3	300	7°43'0.28"	40.405	20.233



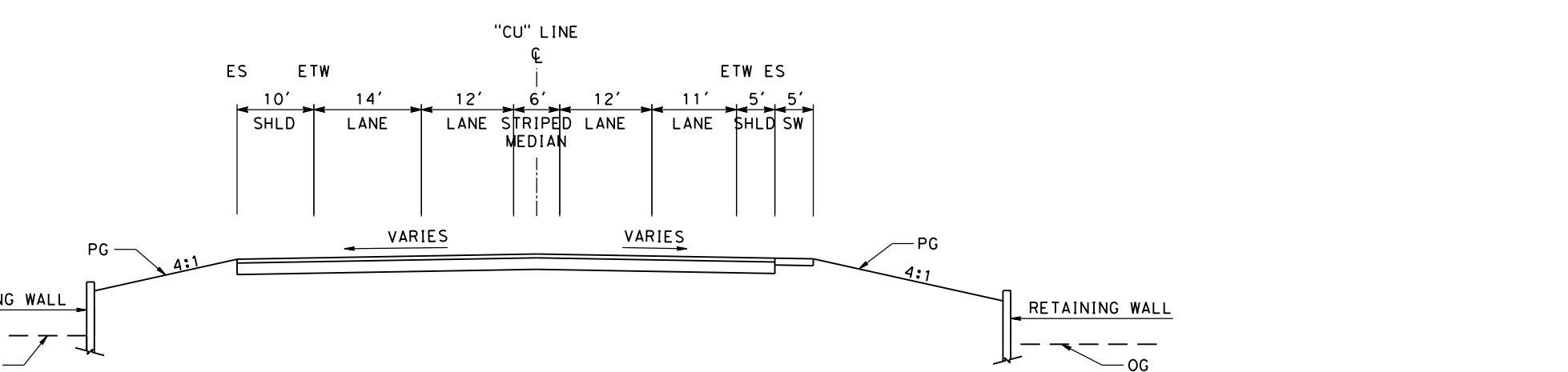
**PLAN - CURTNER AVE**  
SCALE: 1"=100'

CURVE DATA "CU" LINE				
NO.	R	Δ	L	T
1	3000	17°24'48.25"	911.764	459.424

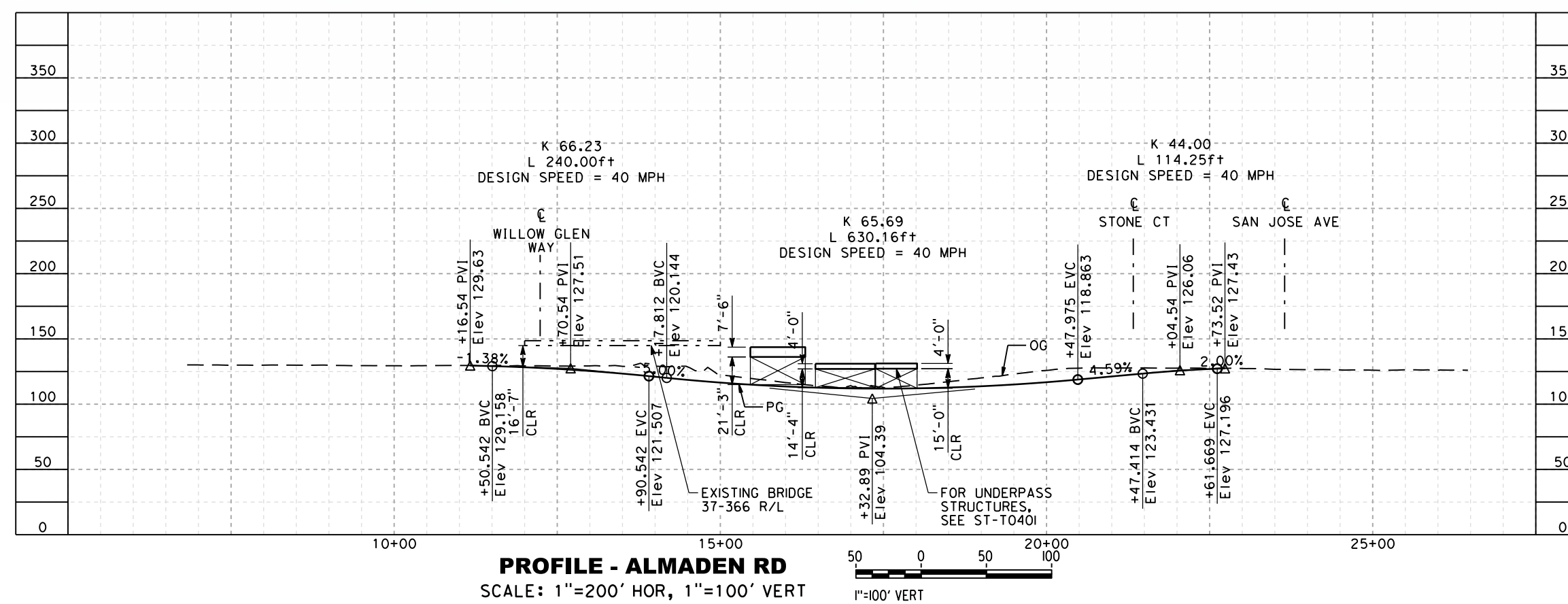


**ALMADEN RD TYPICAL SECTION**  
SCALE: 1"=20'  
ALMADEN RD STA 7+67.67 TO ALMADEN RD STA 22+47.36

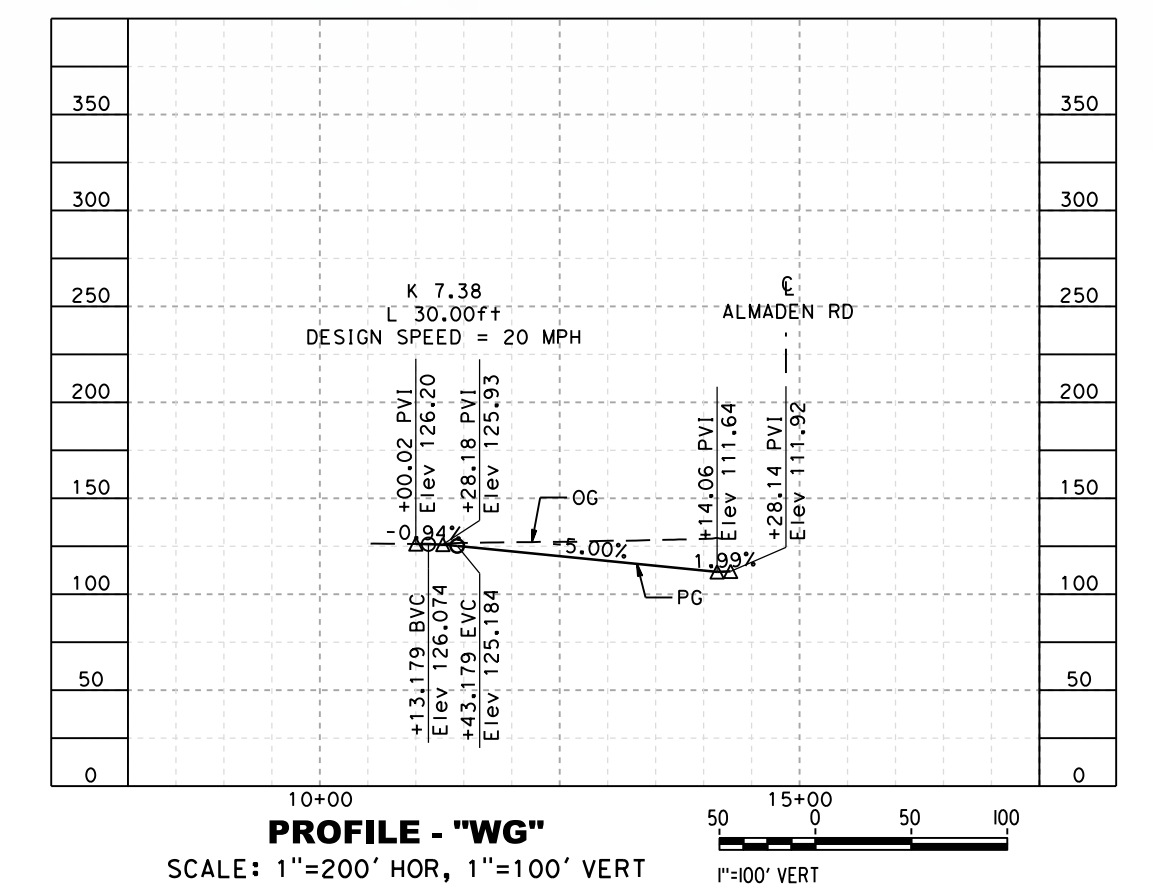
**NOTE:**  
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



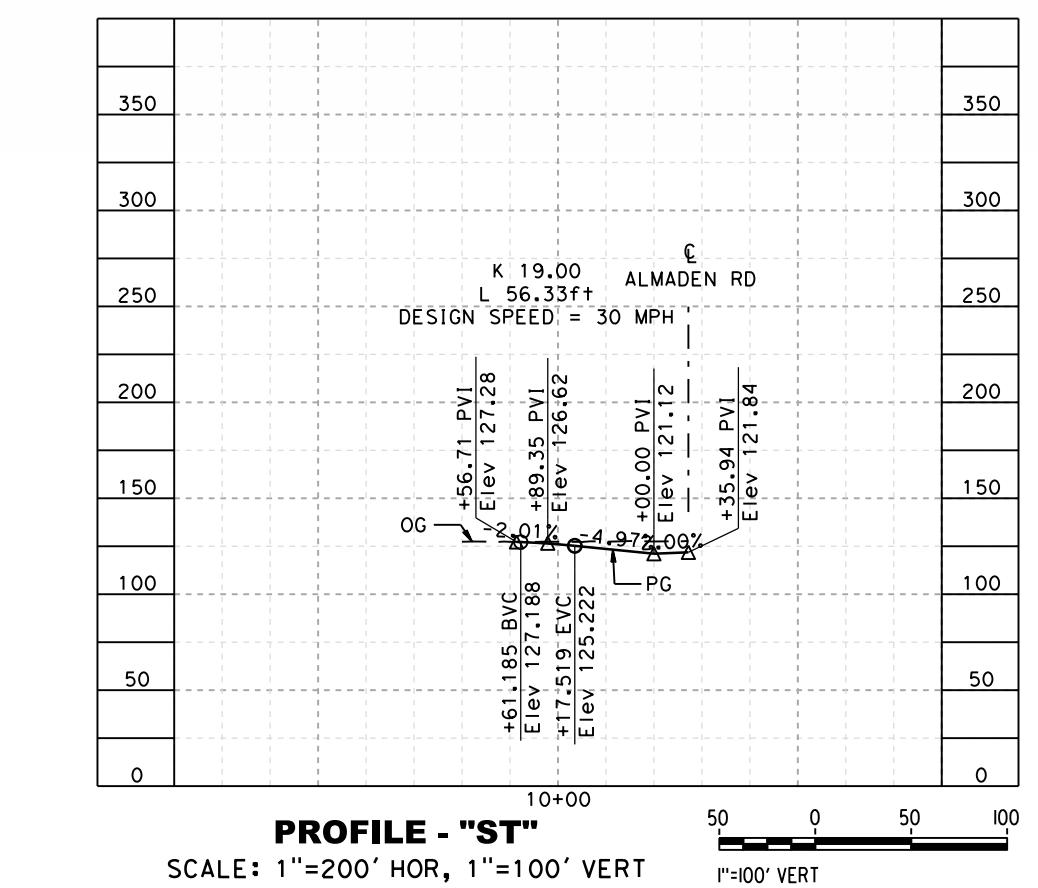
**CURTNER AVE TYPICAL SECTION**  
SCALE: 1"=20'  
CURTNER AVE STA 29+00.00 TO CURTNER AVE STA 42+75.00



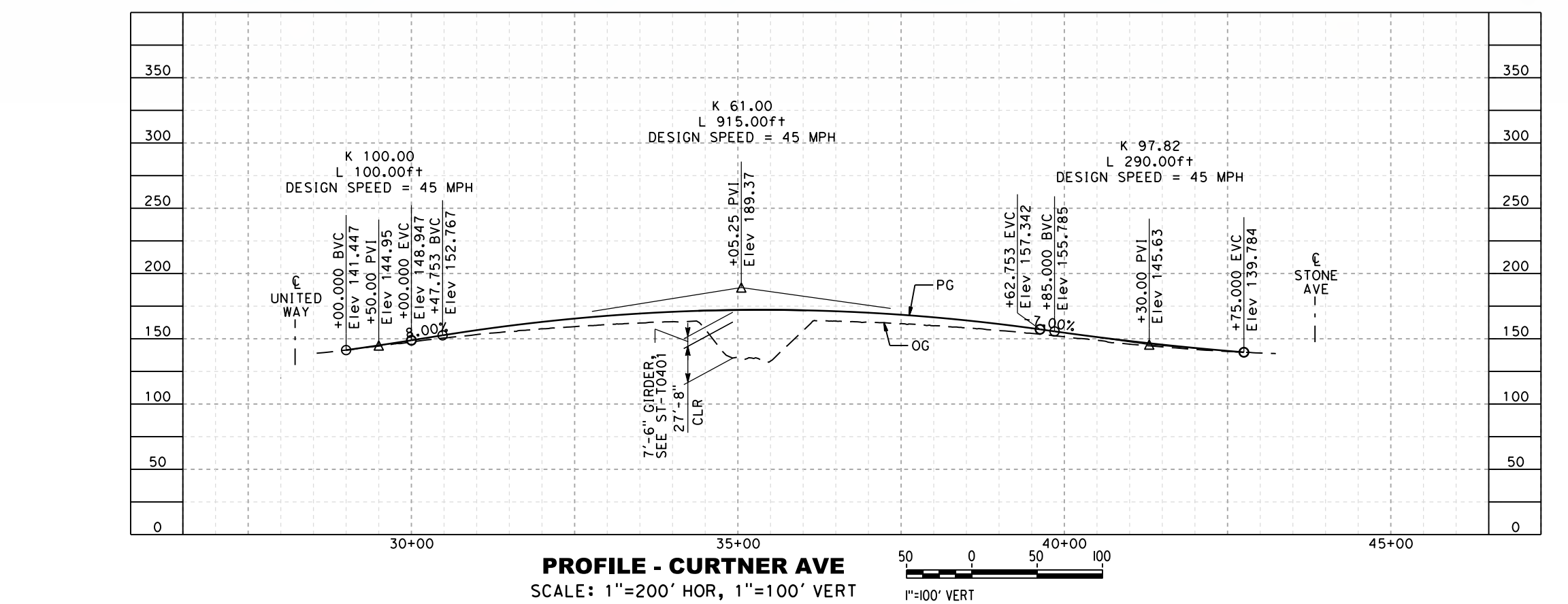
**PROFILE - ALMADEN RD**  
SCALE: 1"=200' HOR, 1"=100' VERT



**PROFILE - "WG"**  
SCALE: 1"=200' HOR, 1"=100' VERT



**PROFILE - "ST"**  
SCALE: 1"=200' HOR, 1"=100' VERT

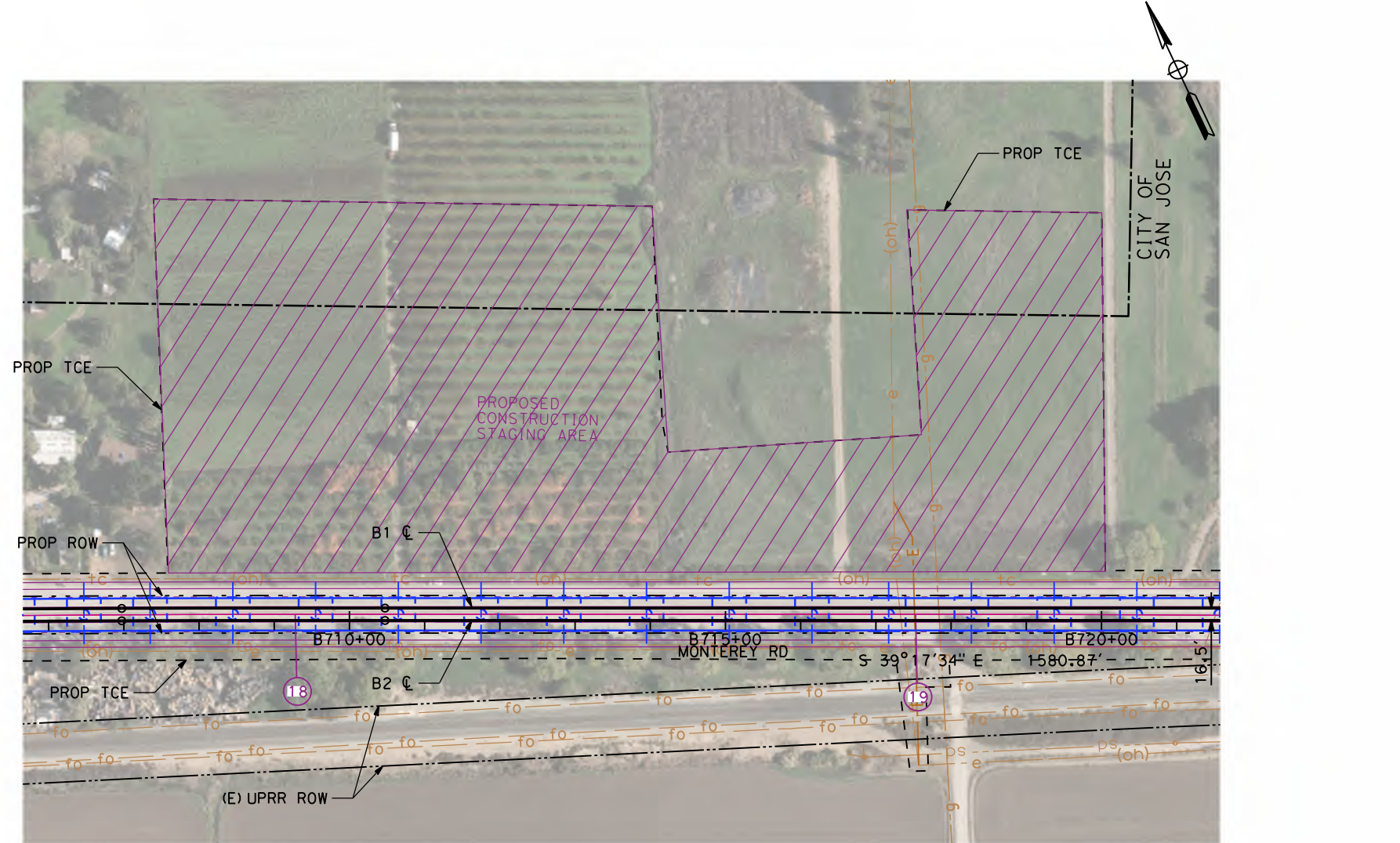


**PROFILE - CURTNER AVE**  
SCALE: 1"=200' HOR, 1"=100' VERT

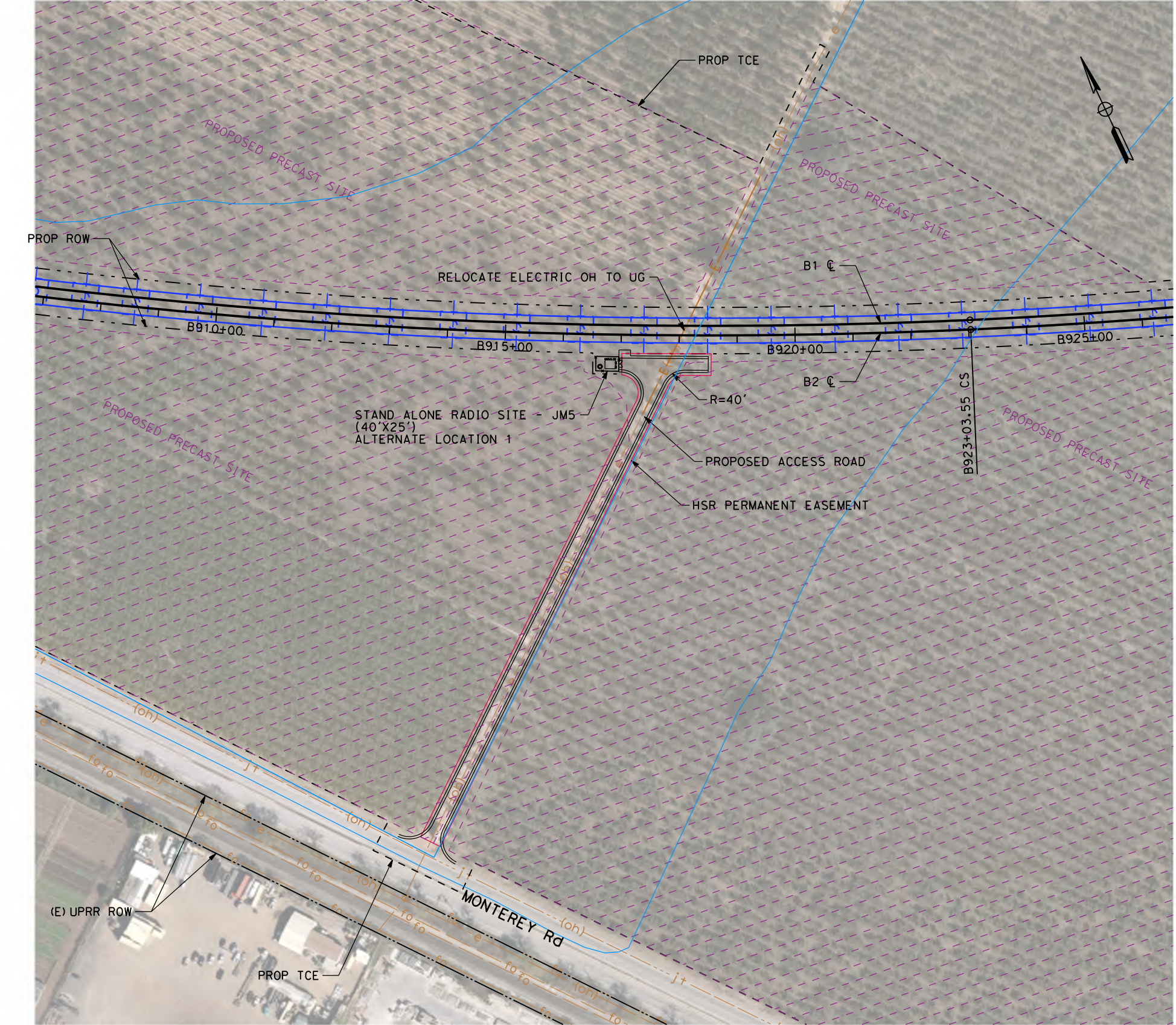
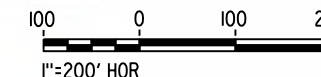
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 97 OF 193**

RECORD PREP <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> MONTEREY CORRIDOR VIADUCT/AT-GRADE LAYOUT, PROFILE, & CROSS SECTIONS ALMADEN ROAD AND CURTNER AVENUE	CONTRACT NO. HSR15-34 DRAWING NO. CV-T0402 SCALE AS SHOWN SHEET NO.
--	--	--	--	---

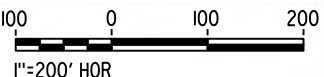
4/20/2019 4:27:14 PM C:\gsd\15\hwy\del\mon\0402\comer\user\1536\almarc\cv-t0402.dgn



**PROPOSED STAGE CONSTRUCTION STAGING AREA  
 AT STA B707+59 TO STA B720+05**  
 SCALE: 1"=200'



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



**SAN JOSE TO CVY EIR/S: VOLUME III  
 ALTERNATIVE 1  
 BOOK 1C  
 SHEET 98 OF 193**

RECORD PERM  
 SUBMITTAL  
 MAY 3, 2019  
 NOT FOR  
 CONSTRUCTION



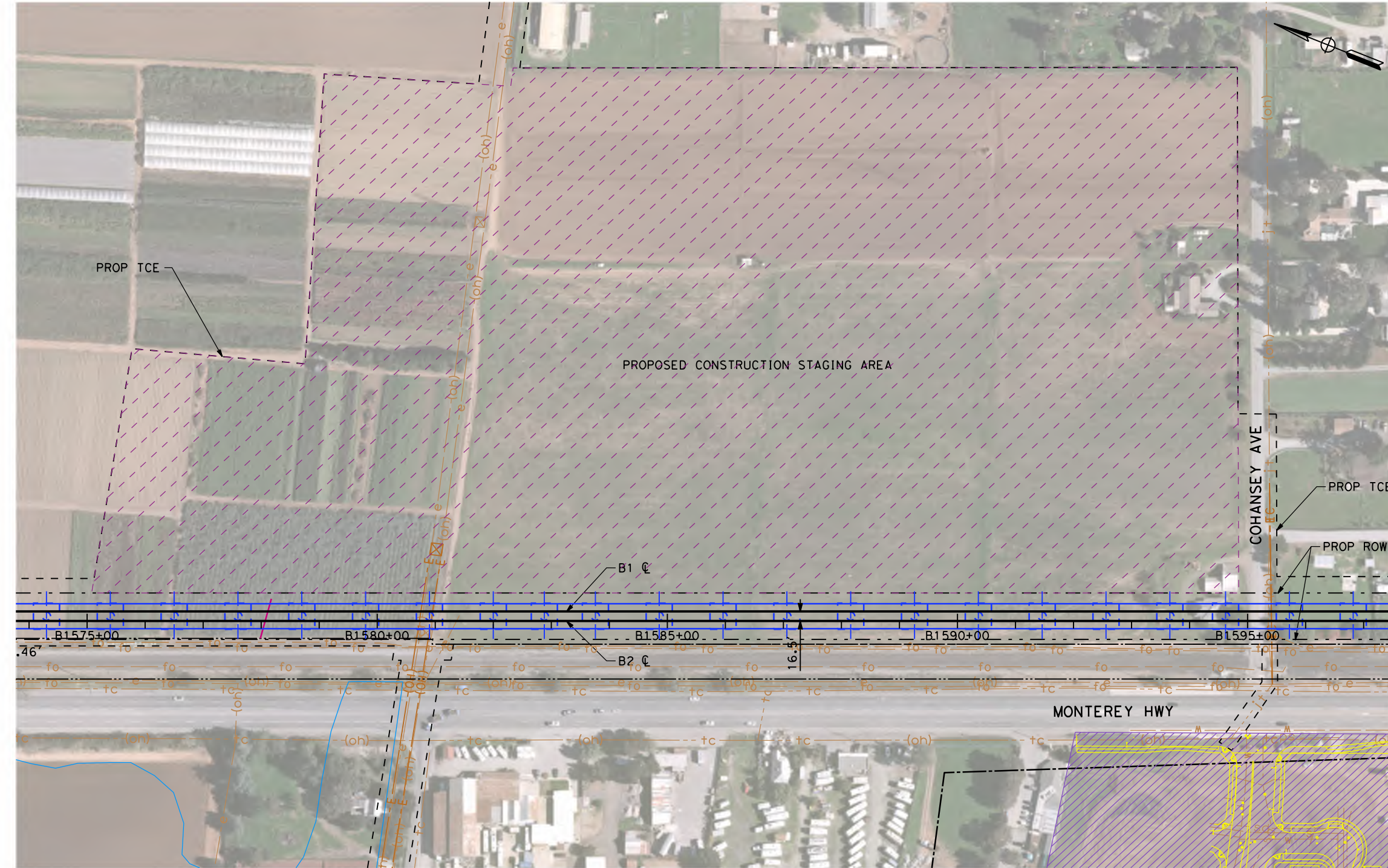
1111 Broadway  
 9th Floor  
 Oakland, CA 94607



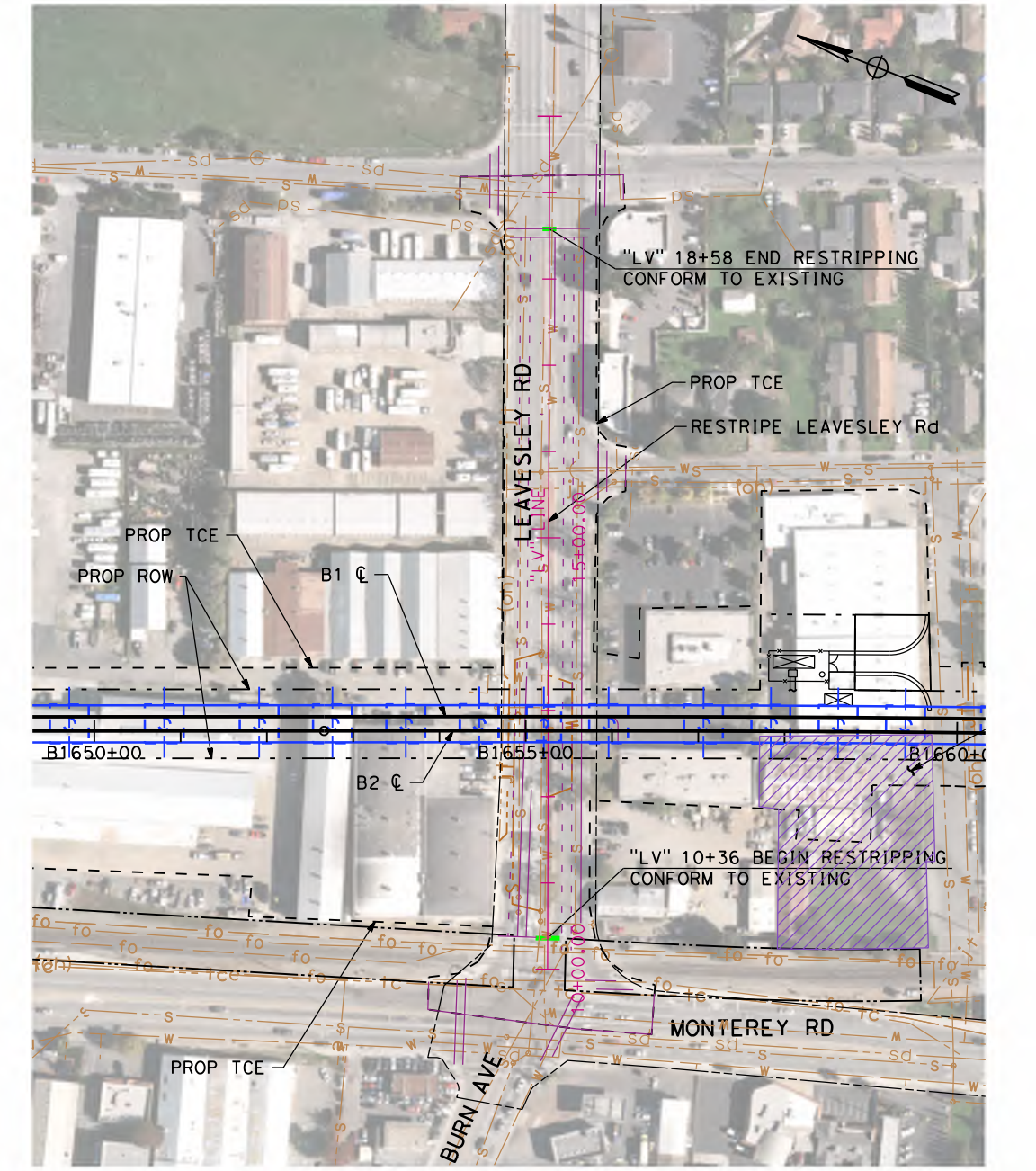
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN JOSE TO MERCED**  
 MORGAN HILL AND GILROY  
 VIADUCT TO DOWNTOWN GILROY  
 CIVIL DETAILS

CONTRACT NO.  
 HSR15-34  
 DRAWING NO.  
 CV-S0701  
 SCALE  
 AS SHOWN  
 SHEET NO.

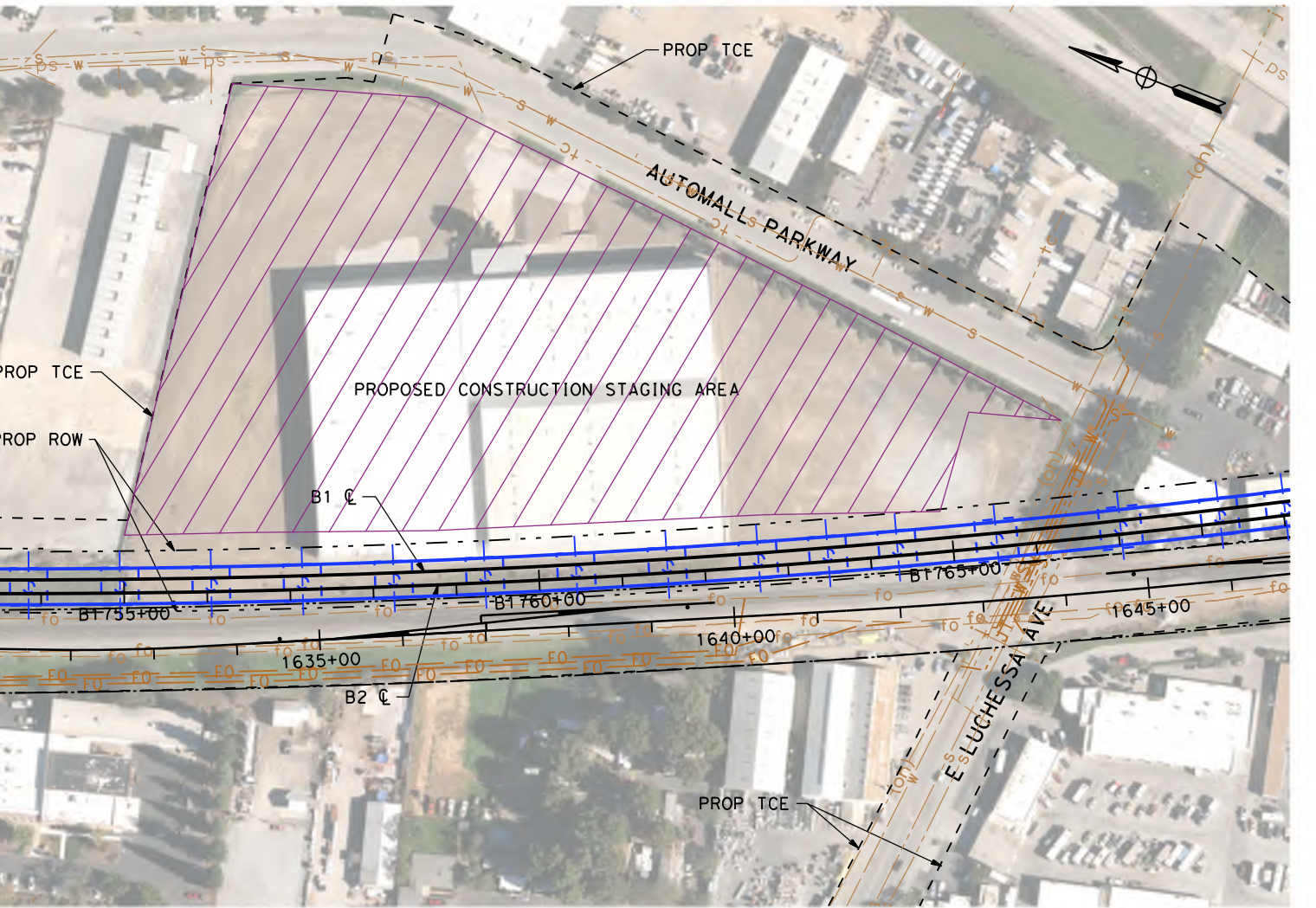
USER: DATE: TIME: FILE: SHEETS: PLOTTING: PLOTTING:



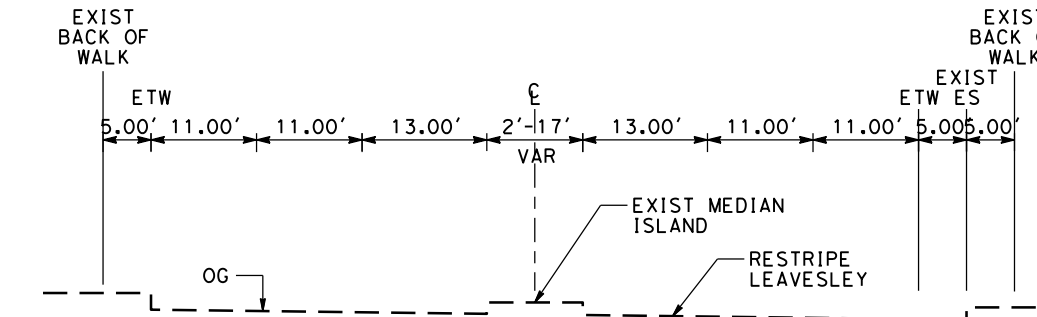
**STAGE CONSTRUCTION AREA  
AT STA B1575+12 TO STA B1594+85**  
SCALE: 1"=200'



**PLAN LEAVESLEY ROAD**  
SCALE: 1"=200'



**STAGE CONSTRUCTION AREA  
AT STA B1755+00 TO STA B1765+45**  
SCALE: 1"=200'

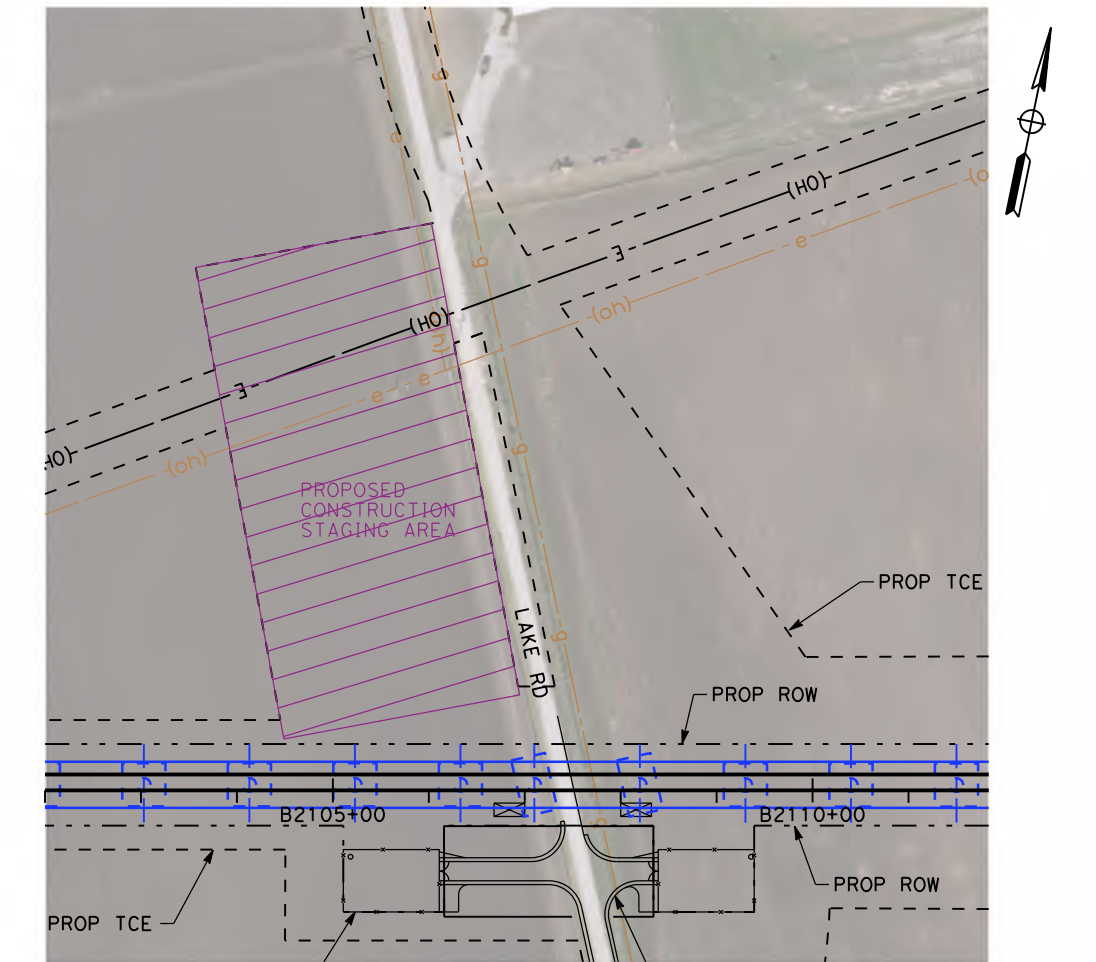


**LEAVESLEY RD TYPICAL SECTION**  
SCALE: 1"=20'  
"LV" STA 10+00.00 TO "LV" STA 19+19.79

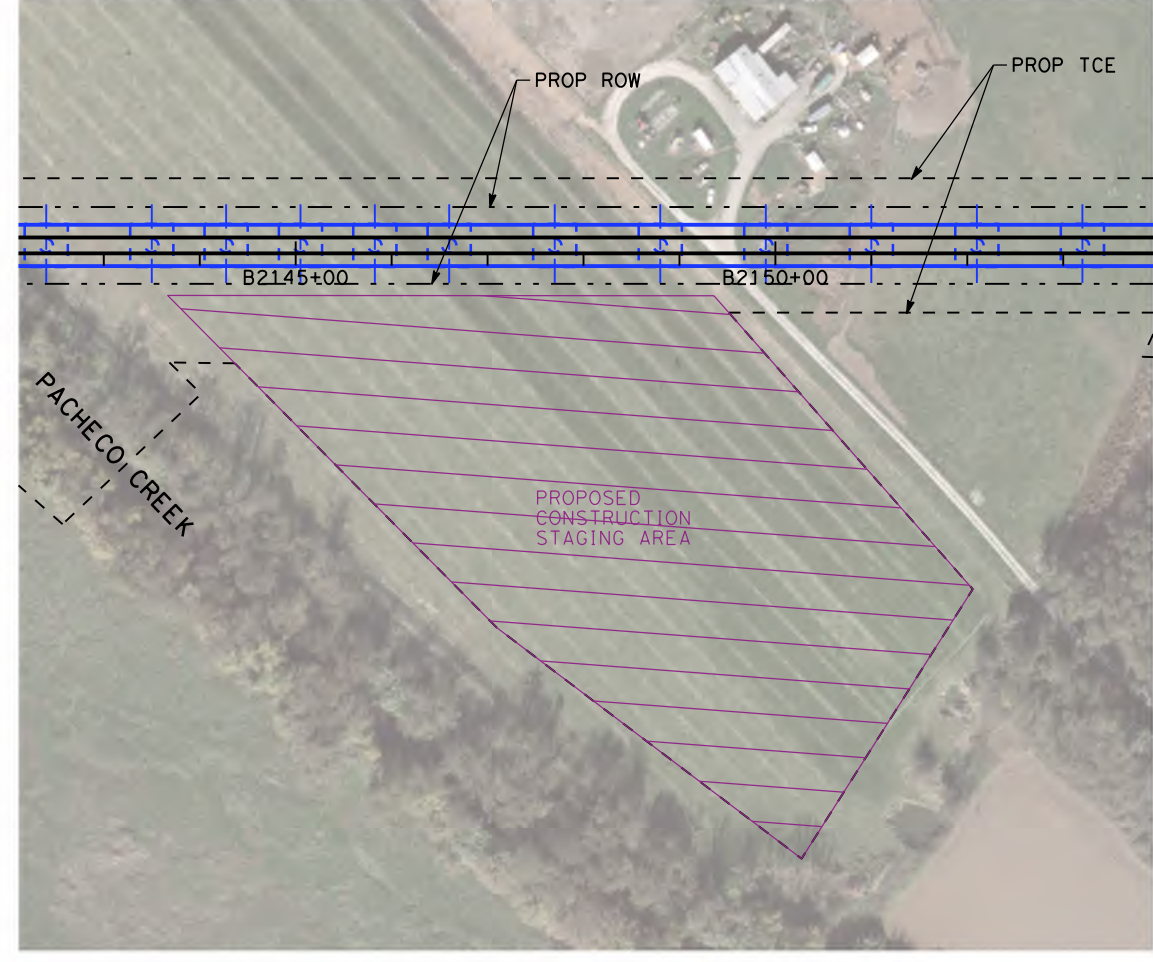
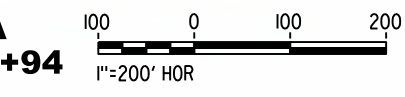
**NOTE:**  
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 99 OF 193**

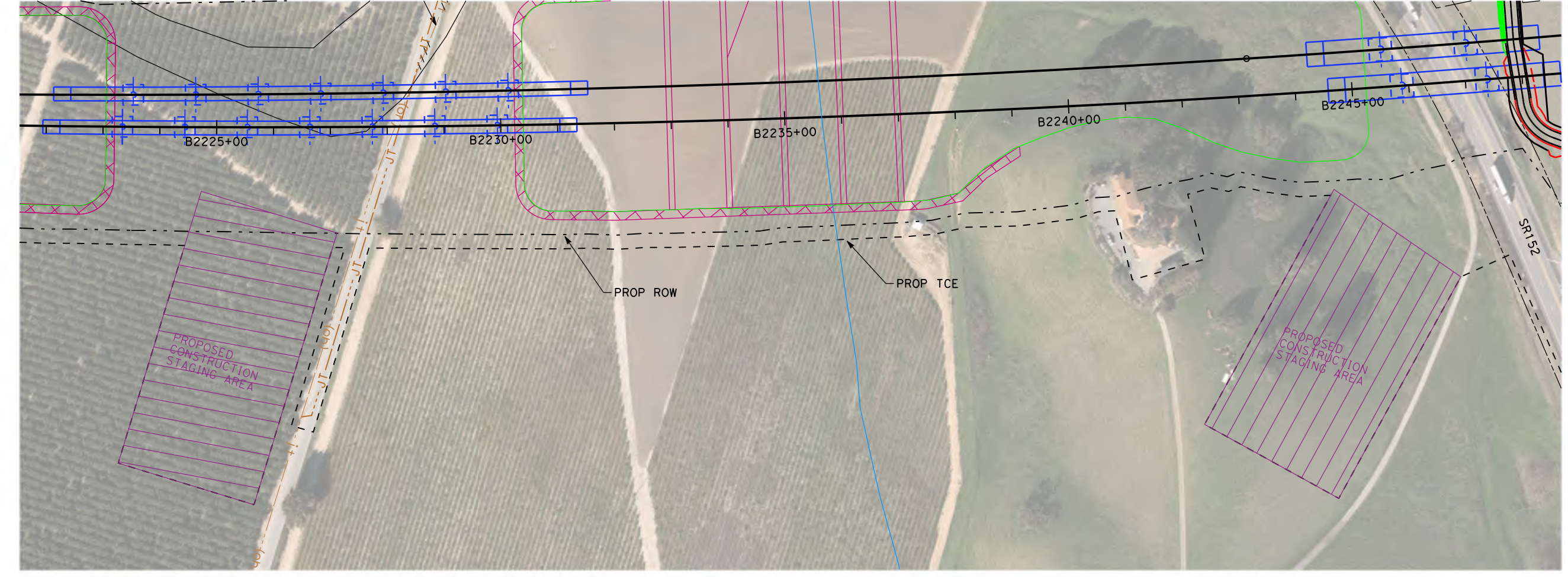
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY CIVIL DETAILS	CONTRACT NO. HSR15-35 DRAWING NO. CV-50901 SCALE AS SHOWN SHEET NO.
--	--	--	---	---



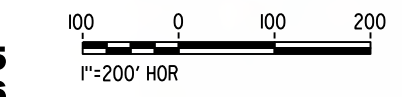
**STAGE CONSTRUCTION AREA  
AT STA B2103+57 TO STA B2106+94**  
SCALE: 1"=200'



**STAGE CONSTRUCTION AREA  
AT STA B2143+67 TO STA B2152+06**  
SCALE: 1"=200'



**STAGE CONSTRUCTION AREA  
AT STA B2223+31 TO STA B2227+15  
AT STA B2242+06 TO STA B2246+66**  
SCALE: 1"=200'

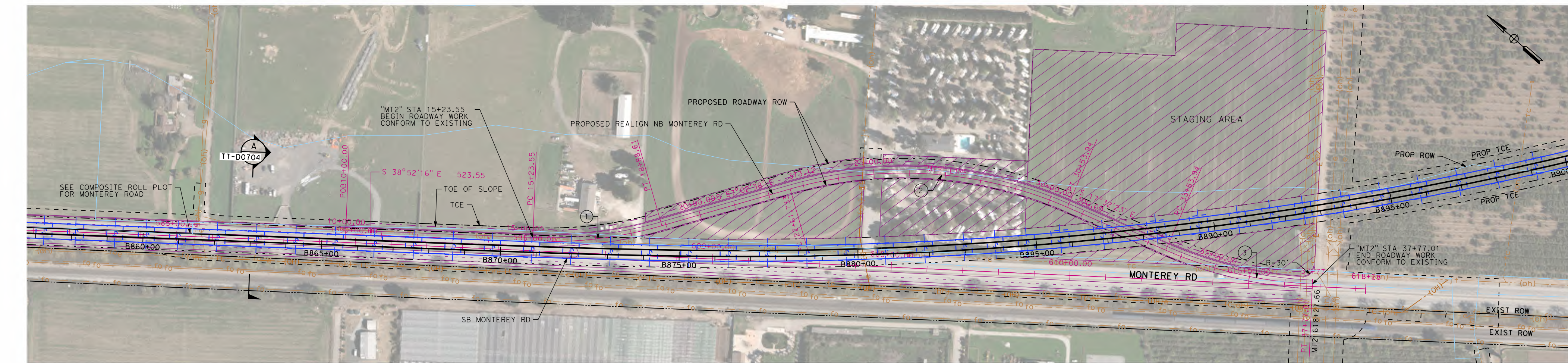


**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 100 OF 193**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY CIVIL DETAILS	CONTRACT NO. HSR15-36 DRAWING NO. CV-S1201 SCALE AS SHOWN SHEET NO.
--	--	--	--	---

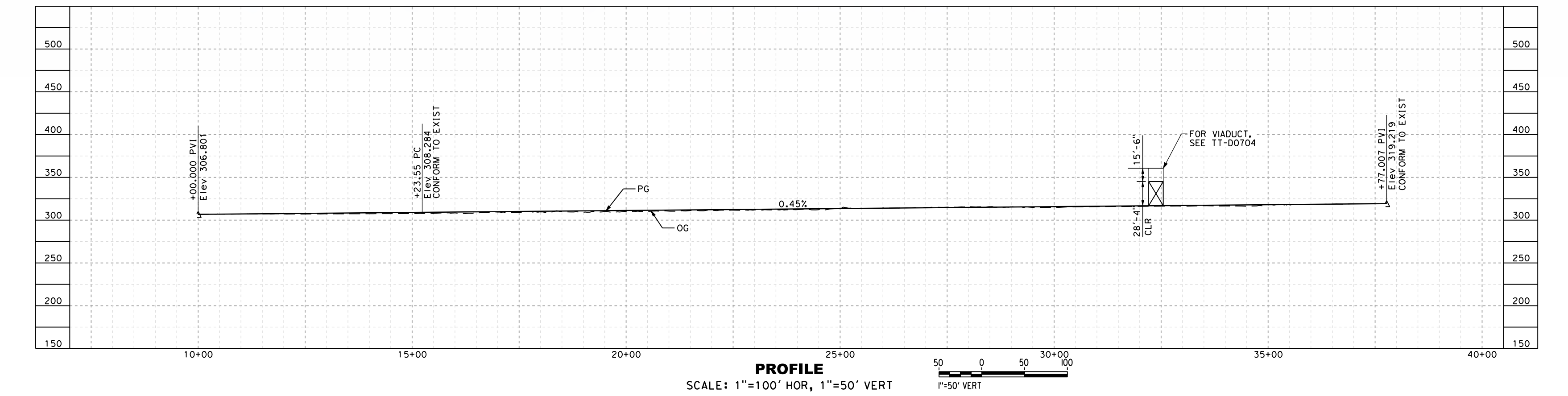
USER DATE TIME #LINE #LINES #LINES

C:\Users\jlb\OneDrive\Documents\46031\_Corner\Drawings\1939\_Maps\Cv-10104.dwg 4/20/2019 4:52:23 PM calhoun.tbl c:\pds\p11\calhoun.ctb

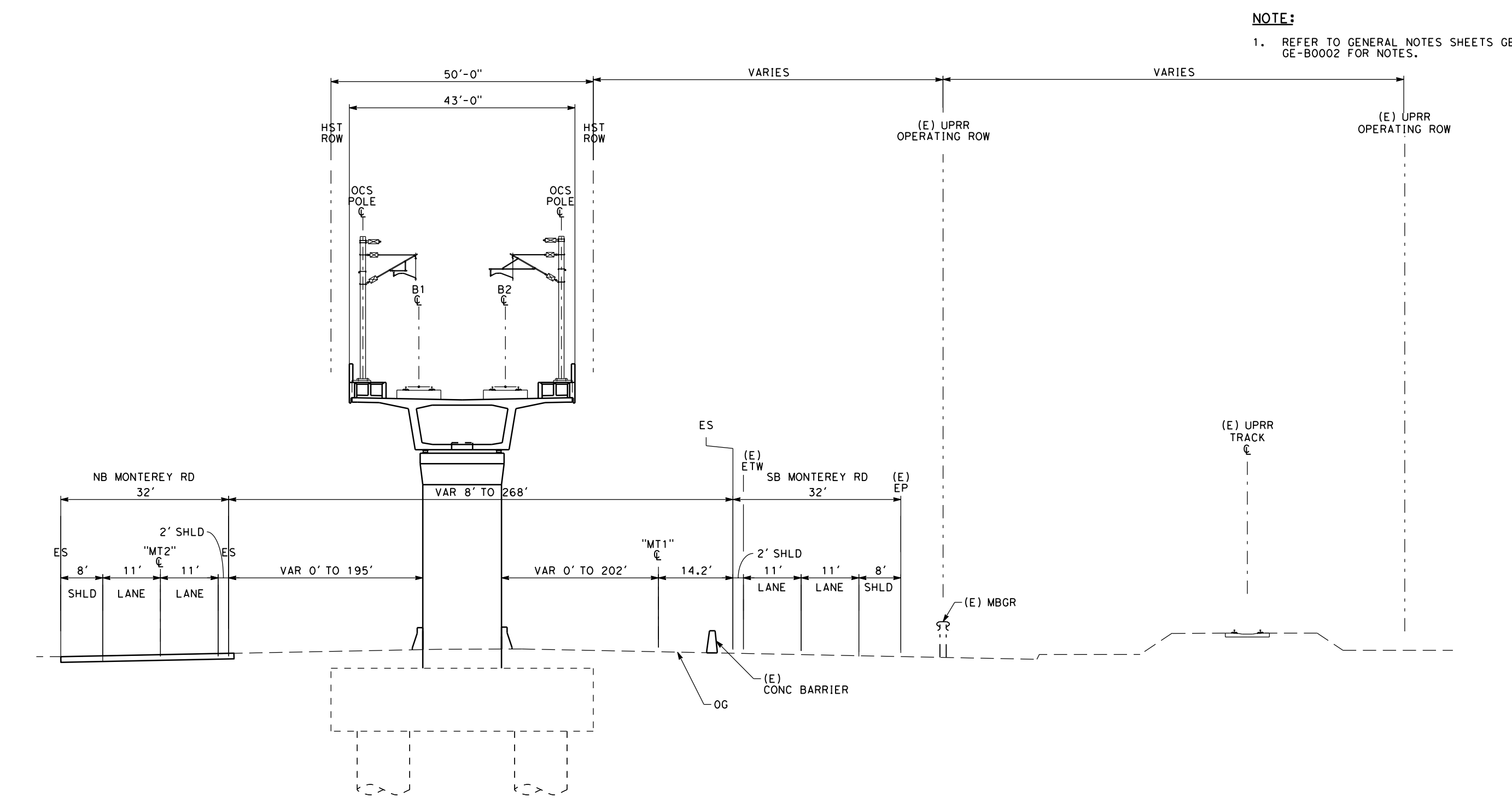


**PLAN - REALIGN NB MONTEREY RD "MT2"**  
SCALE: 1"=100'  
1"=200' HOR

CURVE DATA "MT2"				
NO.	R	Δ	L	T
1	1151	18°10'21.47"	365.065	184.078
2	1149	39°30'14.68"	792.208	412.579
3	1151	21°03'35.46"	423.066	213.947



**PROFILE**  
SCALE: 1"=100' HOR, 1"=50' VERT  
1"=50' VERT

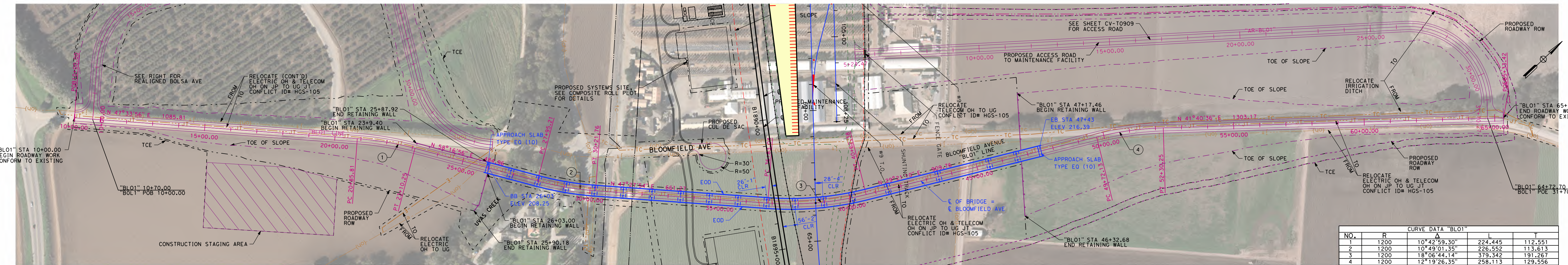


**TYPICAL SECTION**  
SCALE: 1"=20'  
"MT2" STA 10+00 "MT2" STA TO 37+77

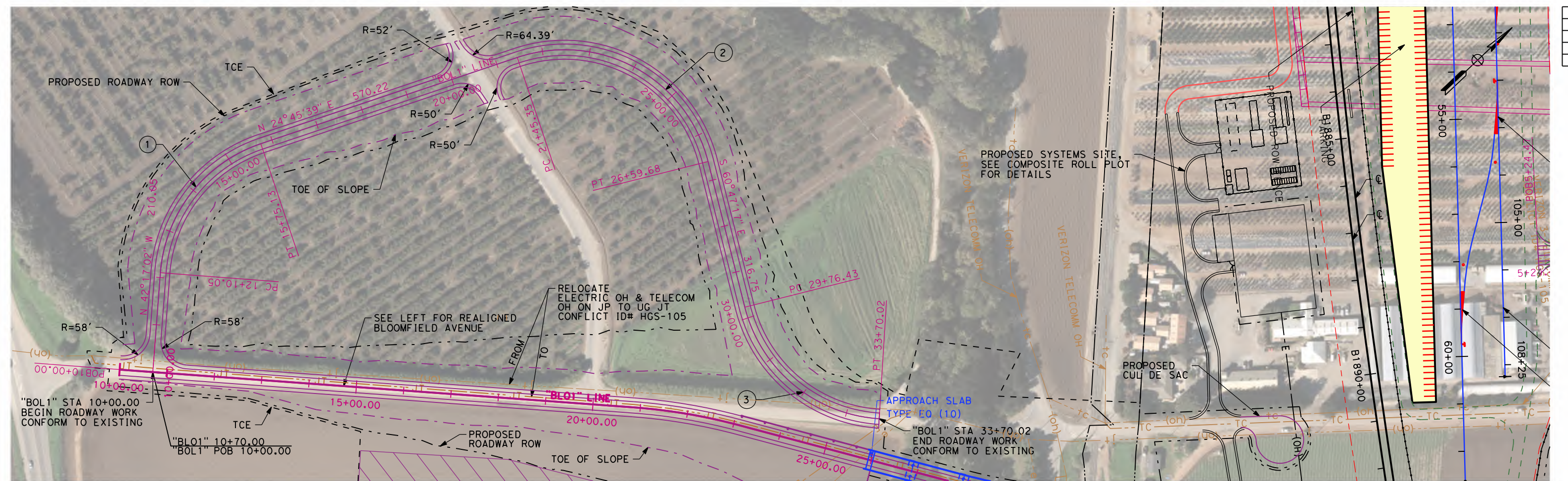
**NOTE:**  
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 101 OF 193**

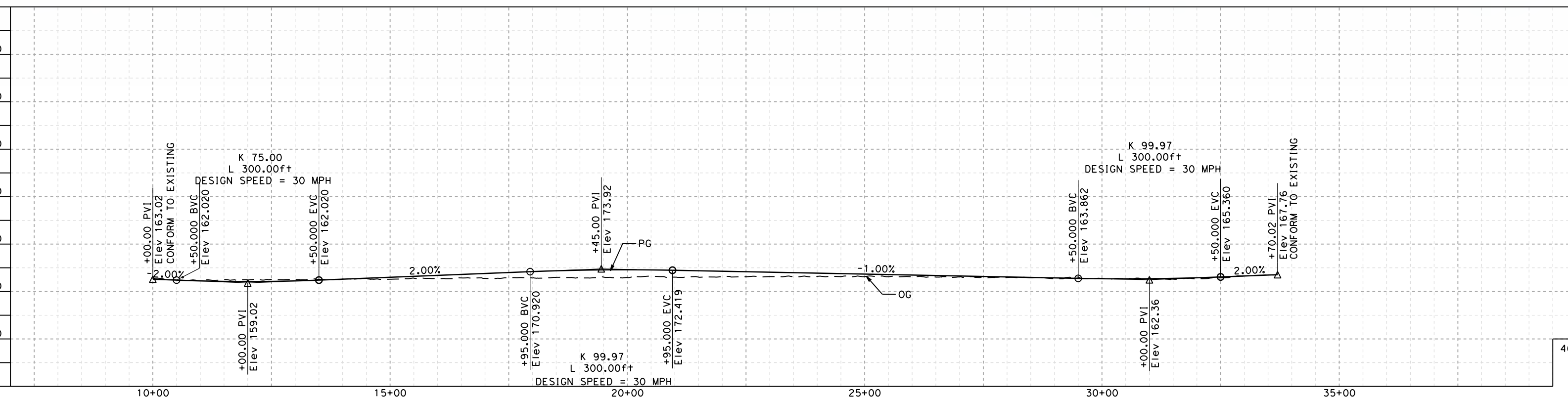
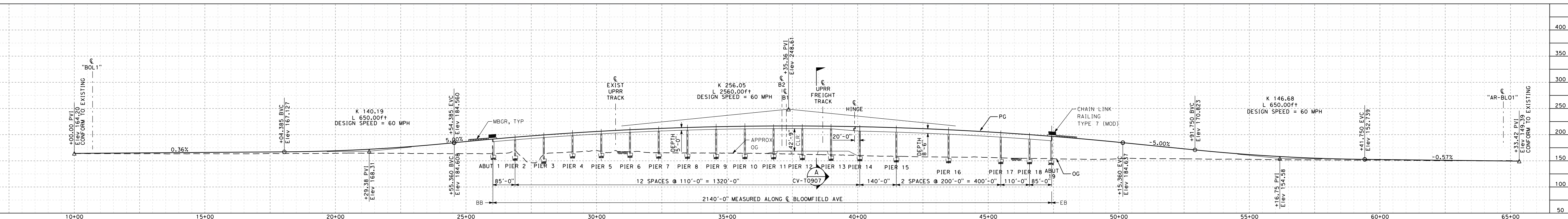
RECORD PREP SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS MONTEREY ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T0704 SCALE AS SHOWN SHEET NO.
--	--	---	--	--	---



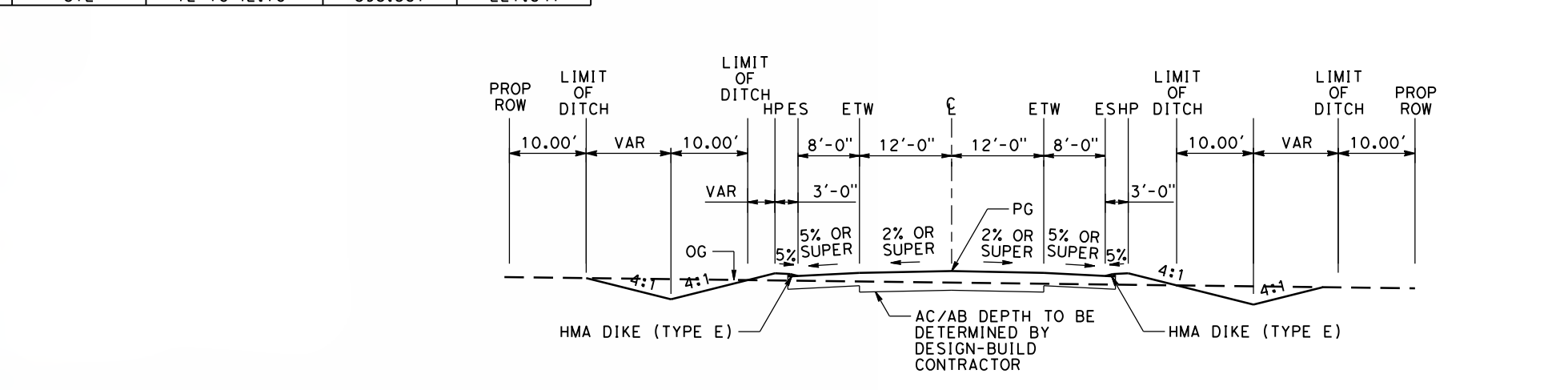
PLAN - BLOOMFIELD AVENUE "BLO1"  
SCALE: 1"=200'



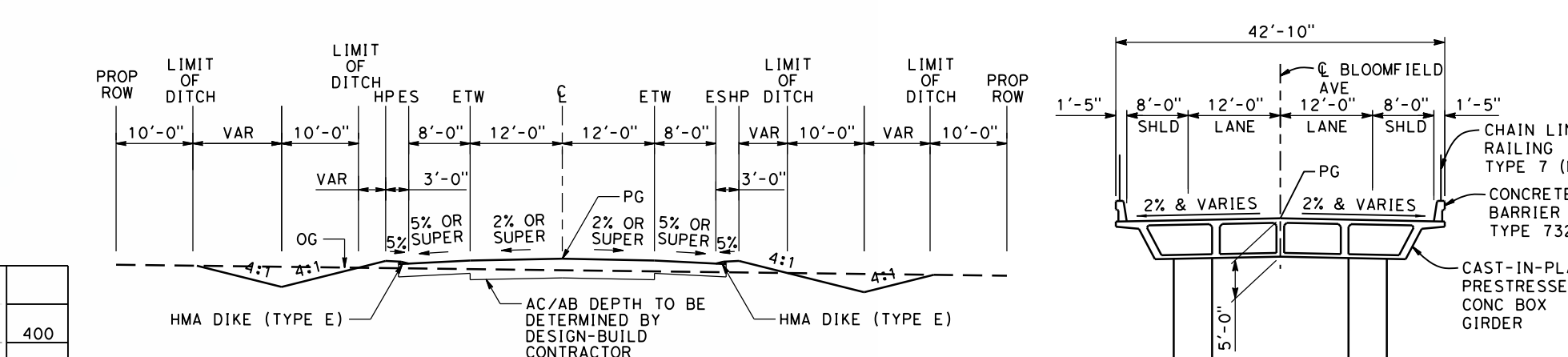
PLAN - BOLSA AVENUE "BOL1"  
SCALE: 1"=100'



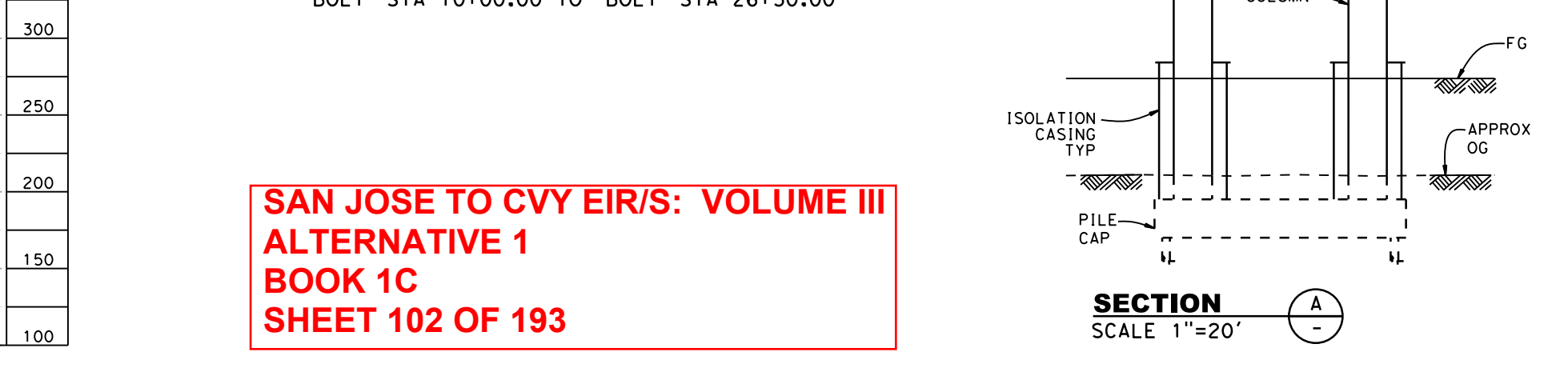
CURVE DATA "BOL1"				
NO.	R	Δ	L	T
1	312	67°02'20.61"	365.087	206.683
2	312	94°27'04.02"	514.327	337.231
3	312	72°16'42.16"	393.587	227.841



BLOOMFIELD AVE TYPICAL SECTION  
SCALE: 1"=20'  
"BLO1" STA 10+00.00 TO "BLO1" STA 52+02.31



BOLSA AVE TYPICAL SECTION  
SCALE: 1"=20'  
"BOL1" STA 10+00.00 TO "BOL1" STA 26+30.00



**SAN JOSE TO CVY EIRs: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 102 OF 193**

RECORD PERMITS  
MAY 3, 2019  
NOT FOR CONSTRUCTION

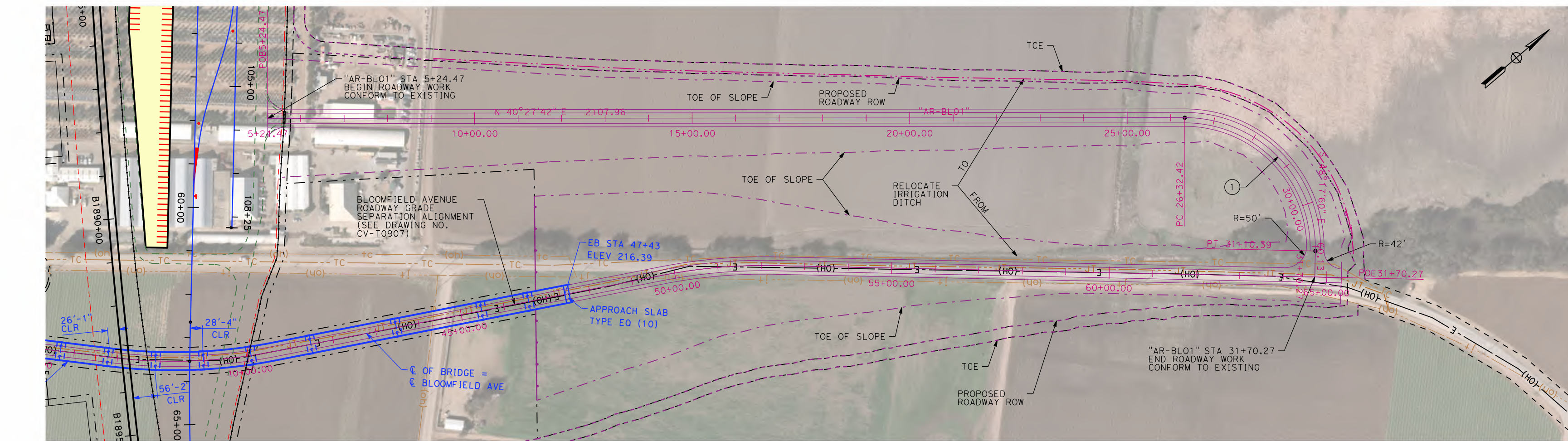
HNTB  
1111 Broadway  
9th Floor  
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT  
SAN JOSE TO MERCED  
MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY  
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS  
BOLSA ROAD AND BLOOMFIELD AVENUE

CONTRACT NO. HSR15-34  
DRAWING NO. CV-T0907  
SCALE AS SHOWN  
SHEET NO.

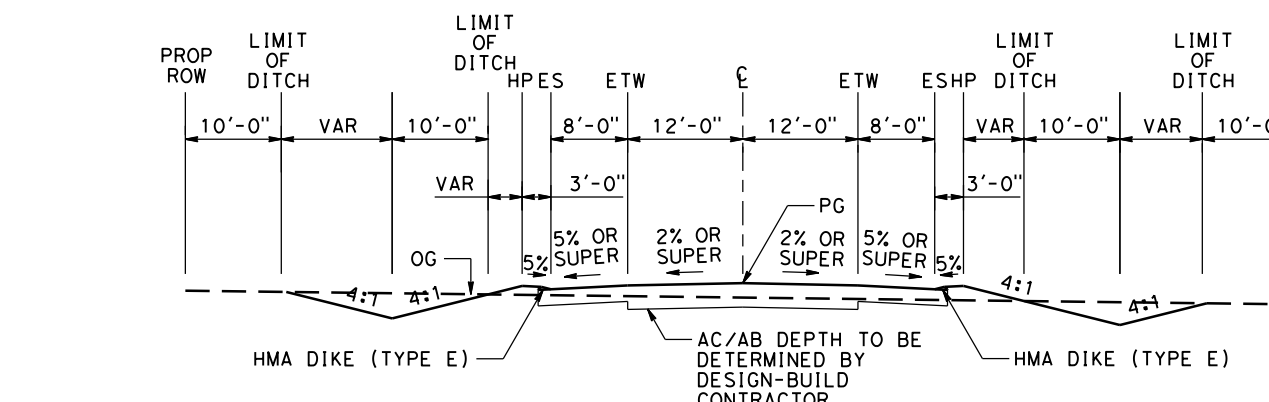
2/20/2019 4:35:45 PM C:\Users\jrb\OneDrive\Documents\2019\20190220\20190220.ctb C:\Users\jrb\OneDrive\Documents\2019\20190220\20190220.ctb



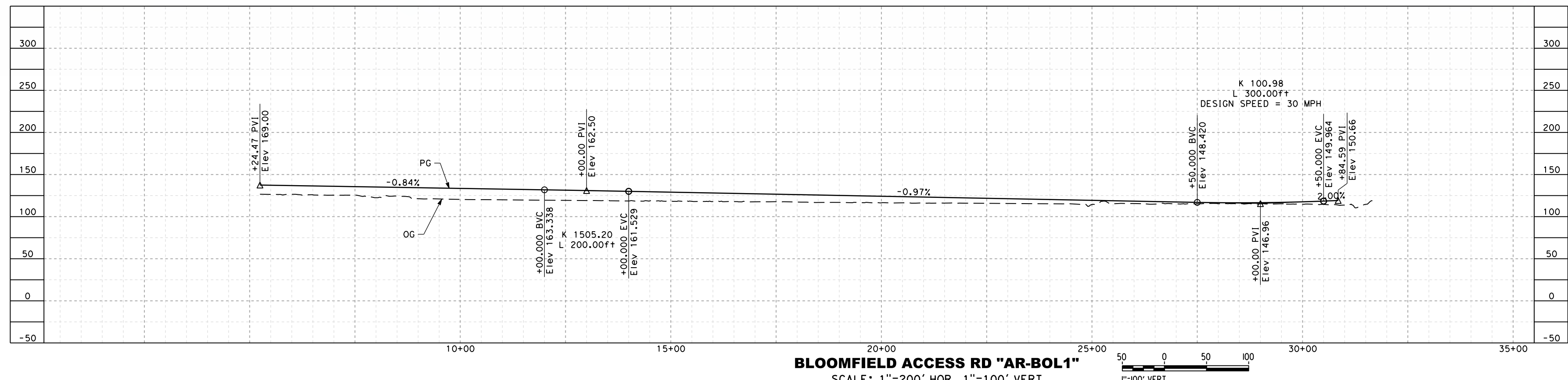
**PLAN - BLOOMFIELD ACCESS RD "AR-BL01"**  
SCALE: 1"=200'

CURVE DATA "AR-BL01"				
NO.	R	Δ	L	E
1	300	91°14'18.58"	477.724	306.556

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



**BLOOMFIELD ACCESS RD TYPICAL SECTION**  
SCALE: 1"=20'  
"AR-BL01" STA 10+00.00 "AR-BL01" STA TO 30+84.59

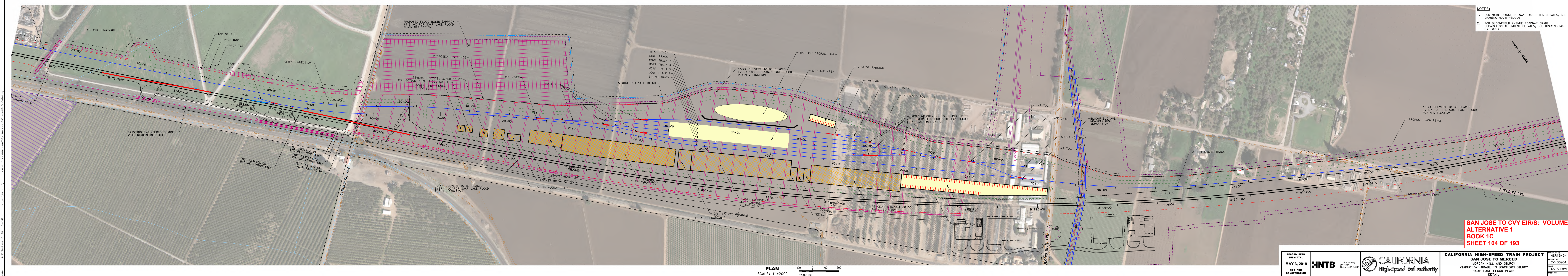


**BLOOMFIELD ACCESS RD "AR-BL01"**  
SCALE: 1"=200' HOR, 1"=100' VERT

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 103 OF 193**

RECORD PERM SUBMITTAL <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCY</b> VIADUCT TO DOWNTOWN GILROY GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS BLOOMFIELD ACCESS ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T0909 SCALE AS SHOWN SHEET NO.
---	--	---	--	--	--





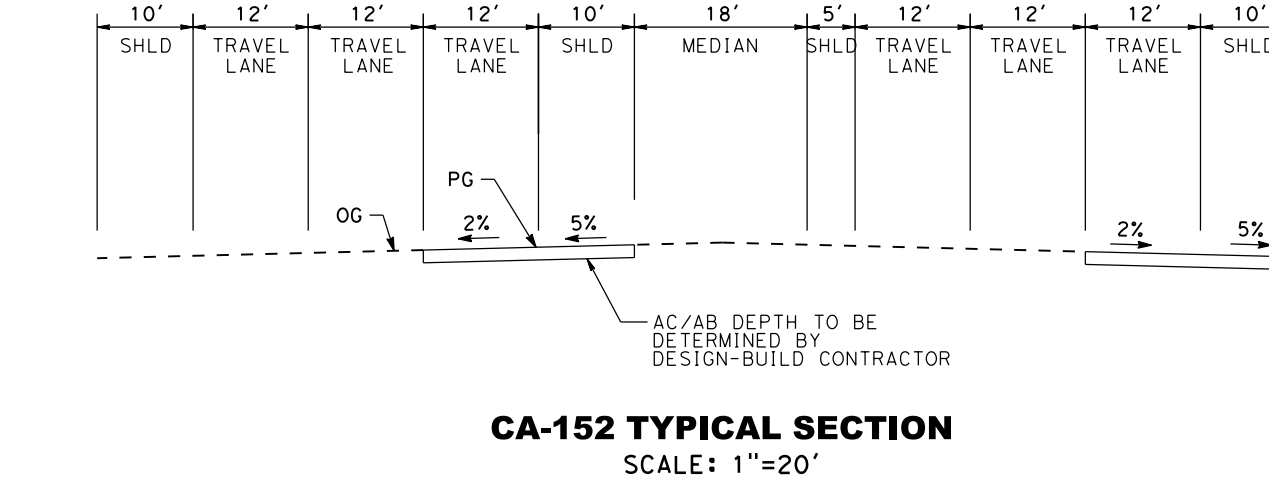
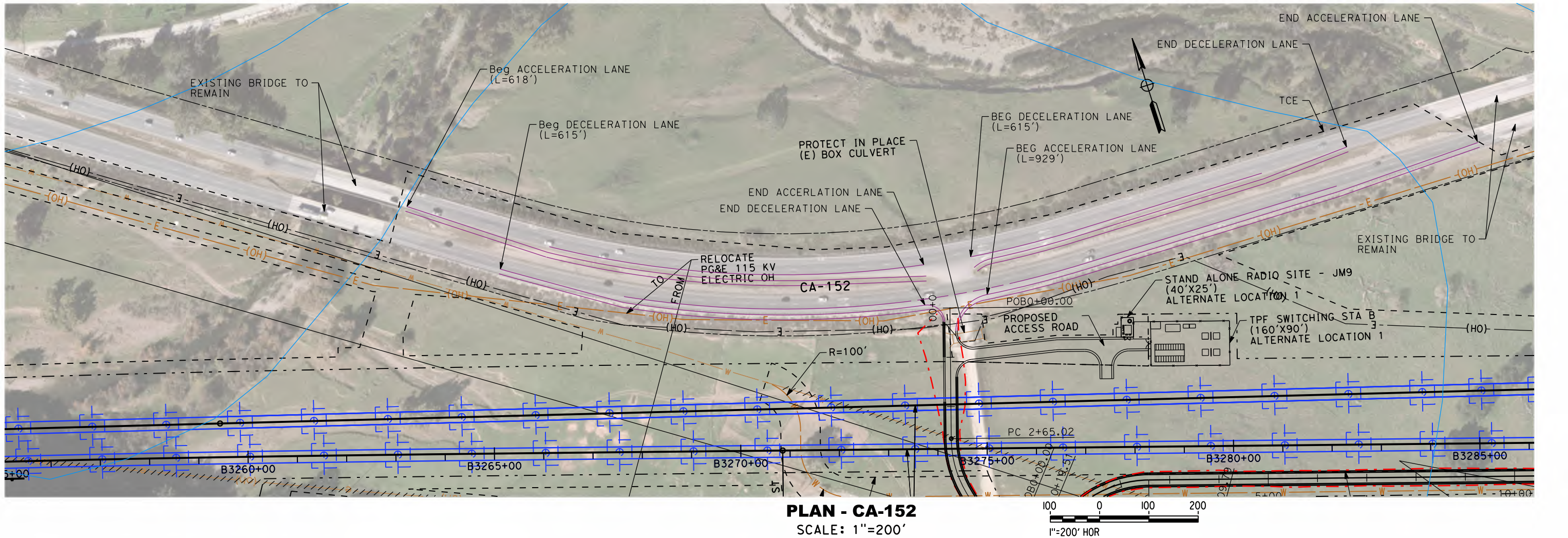
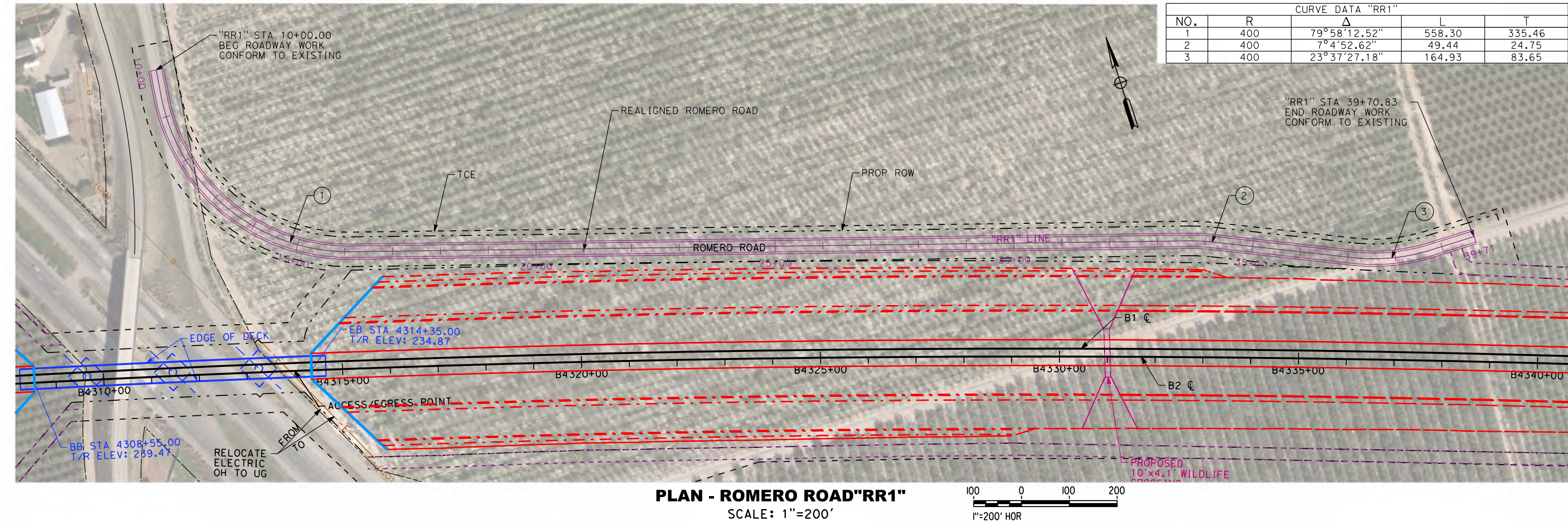
- NOTES:**
1. FOR MAINTENANCE OF WAY FACILITIES DETAILS, SEE DRAWING NO. MY-B0906
  2. FOR BLOOMFIELD AVENUE ROADWAY GRADE SEPARATION ALIGNMENT DETAILS, SEE DRAWING NO. CV-T0907

**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 104 OF 193**

RECORD PERMITS <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> MORGAN HILL AND GILROY VIADUCT AT-GRADE TO DOWNTOWN GILROY SOAP LAKE FLOOD PLAIN DETAIL	CONTRACT NO. HSR15-34 DRAWING NO. CV-G0901 SCALE: AS SHOWN SHEET NO.
--	--	--	---	---

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

2/20/2019 4:41:01 PM C:\Users\jw\OneDrive\Documents\San Jose to CVY EIR/S\Book 1C\Sheet 104.dwg  
 2/20/2019 4:41:01 PM C:\Users\jw\OneDrive\Documents\San Jose to CVY EIR/S\Book 1C\Sheet 104.dwg  
 2/20/2019 4:41:01 PM C:\Users\jw\OneDrive\Documents\San Jose to CVY EIR/S\Book 1C\Sheet 104.dwg



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

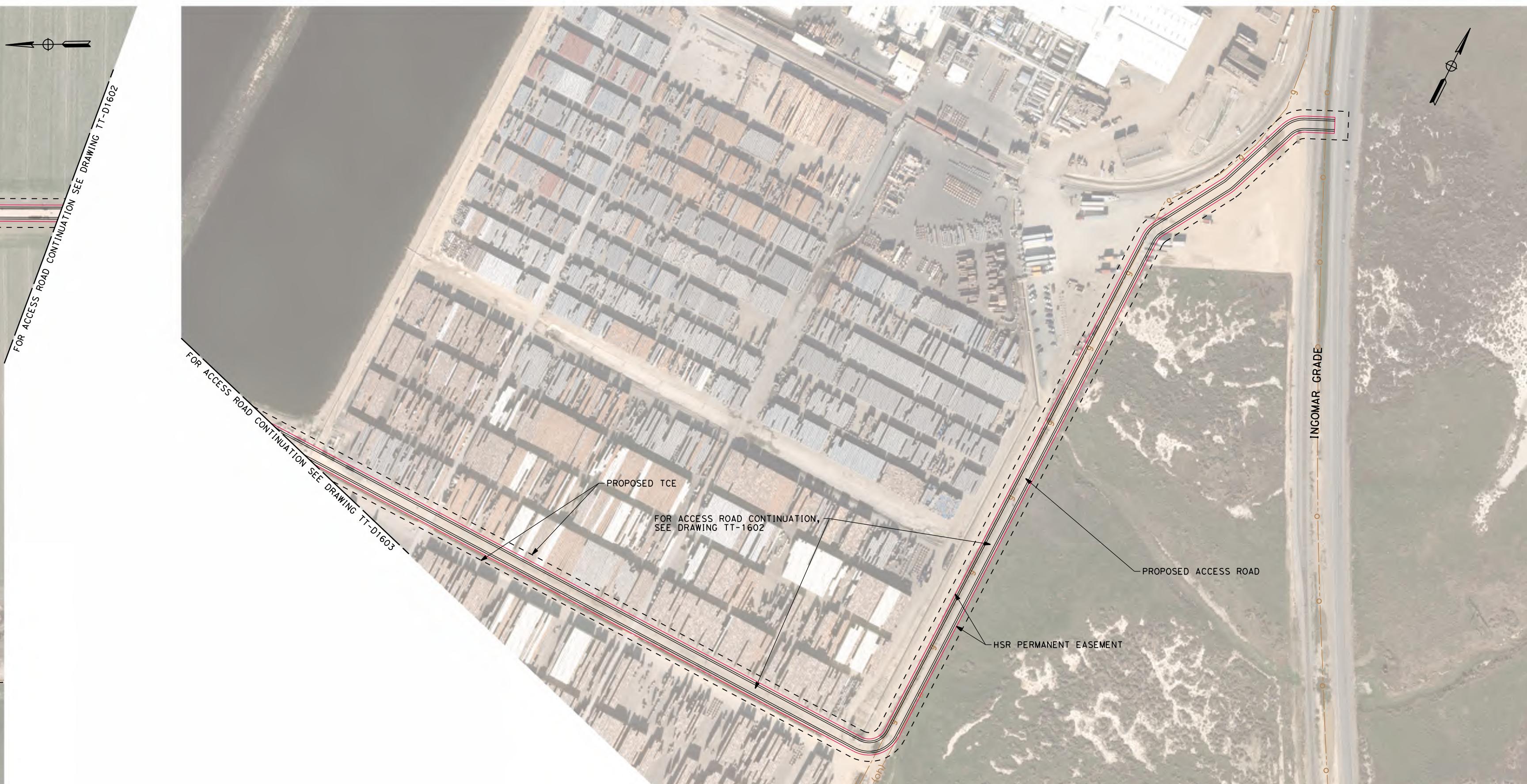
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 105 OF 193**

RECORD PERM SUBMITTAL <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> PACHECO PASS TUNNEL CIVIL DETAILS	CONTRACT NO. HSR15-37 DRAWING NO. CV-S1401 SCALE AS SHOWN SHEET NO.
---	--	--	---	--

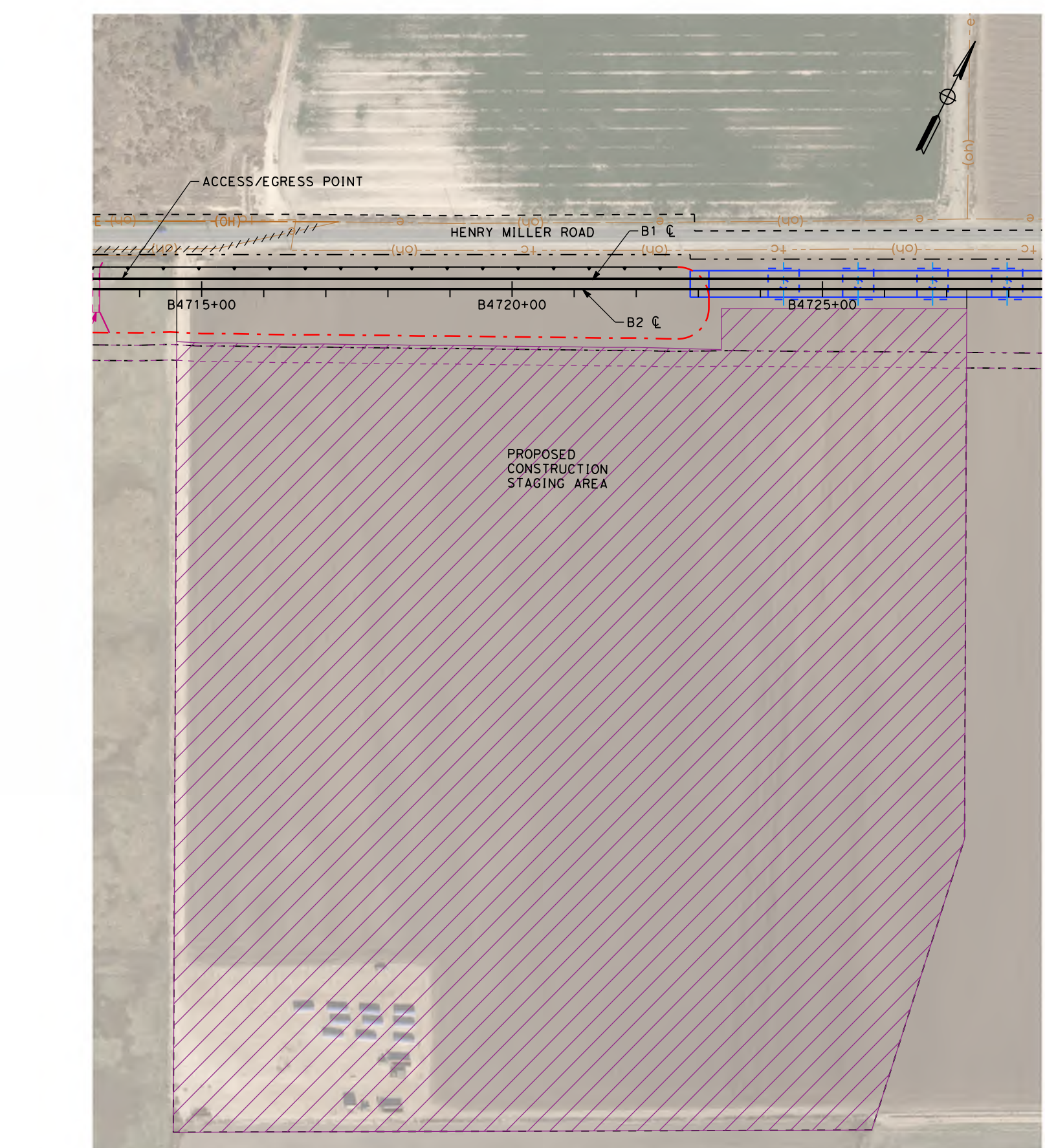
DATE: #TIME: #FILE: #REVISED: #PLTDRSS: #USER:



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



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

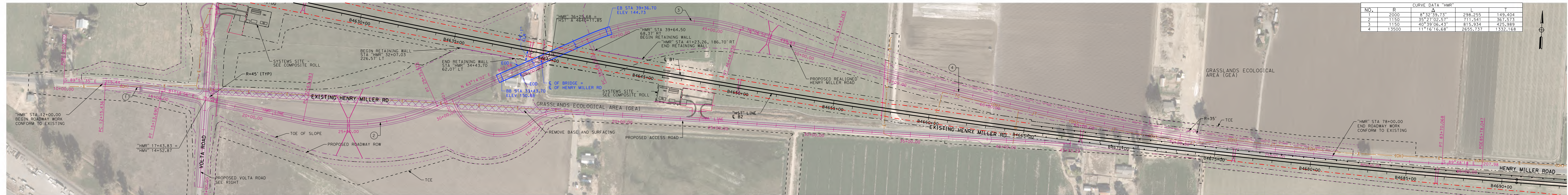


**PROPOSED CONSTRUCTION STAGING AREA  
AT STA B4714+60 TO STA B4727+32**  
SCALE: 1"=200'

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

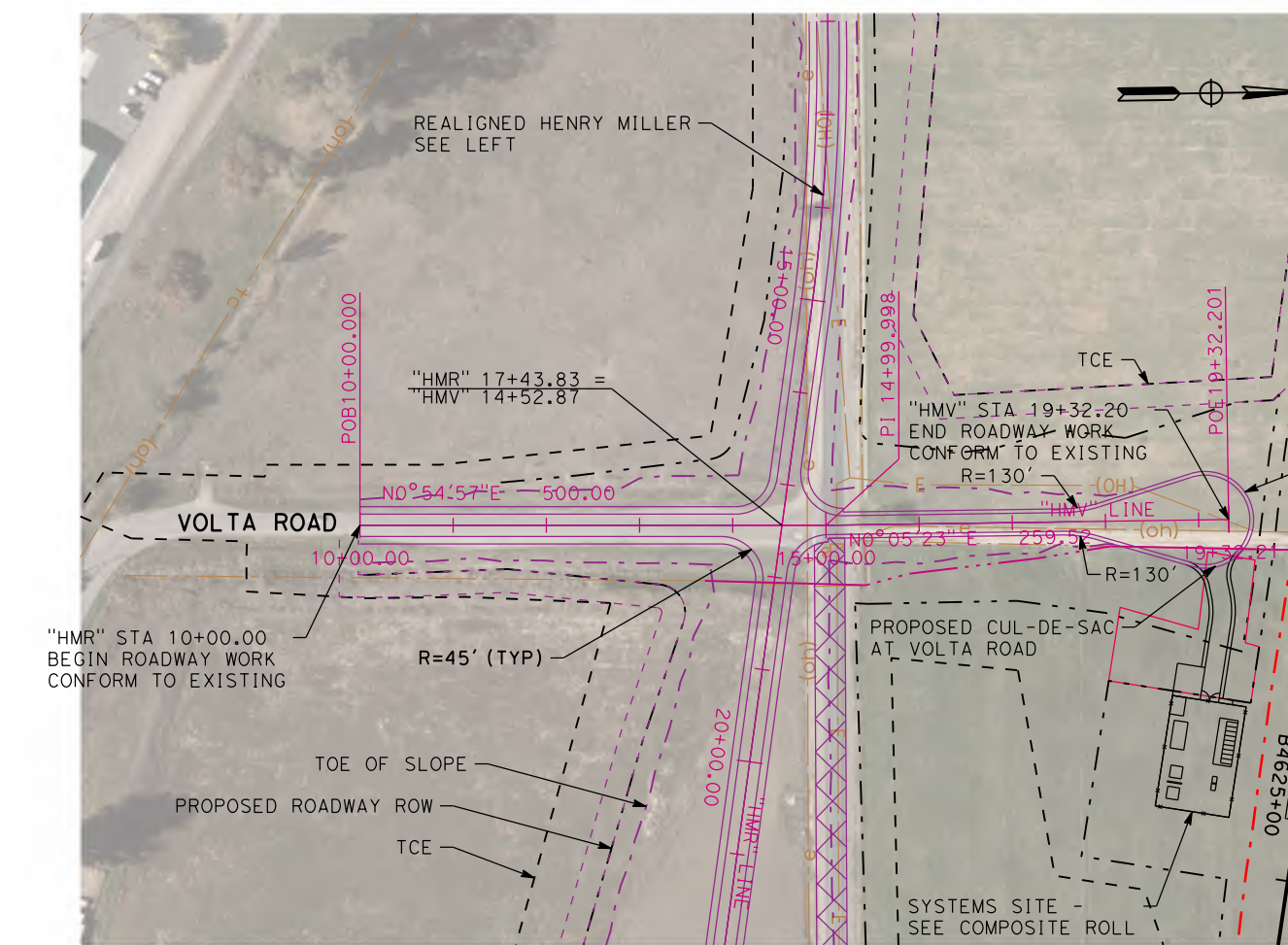
**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 106 OF 193**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> 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.:
--	--	---	--	--	--

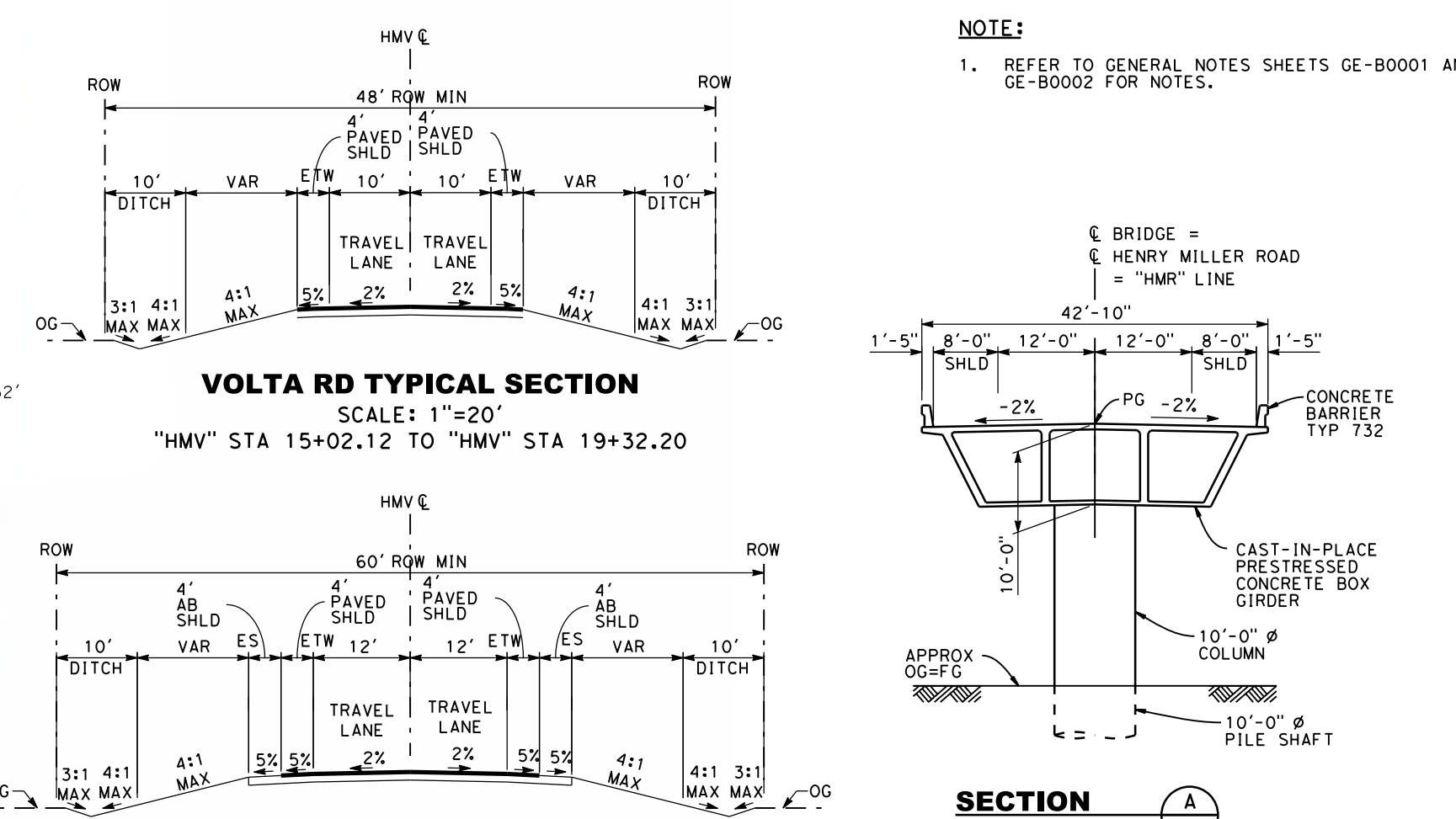


NO.	R	Δ	A	298,255	149,404
1	2000	8°32'39.73"			
2	1150	35°27'02.57"		711,541	367,573
3	1150	40°39'06.43"		815,934	425,989
4	13500	11°16'16.68"		2655,737	1332,168

**PLAN - HENRY MILLER "HMR"**  
SCALE: 1"=200'

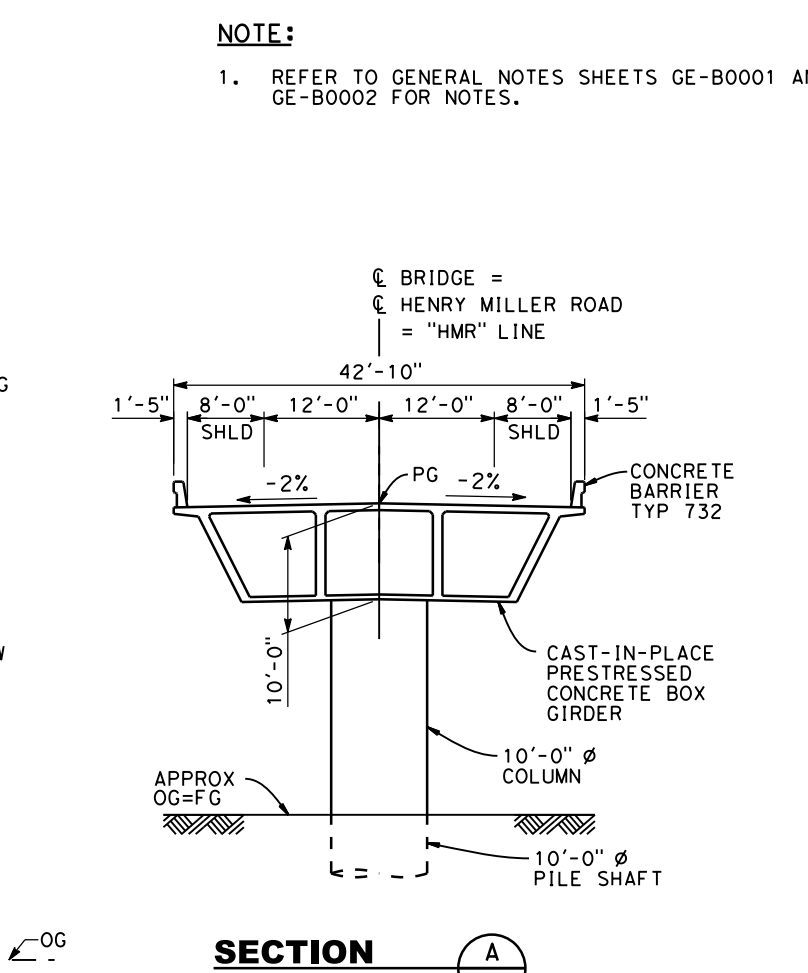


**PLAN - VOLTA RD TO HENRY MILLER "HMR"**  
SCALE: 1"=200'

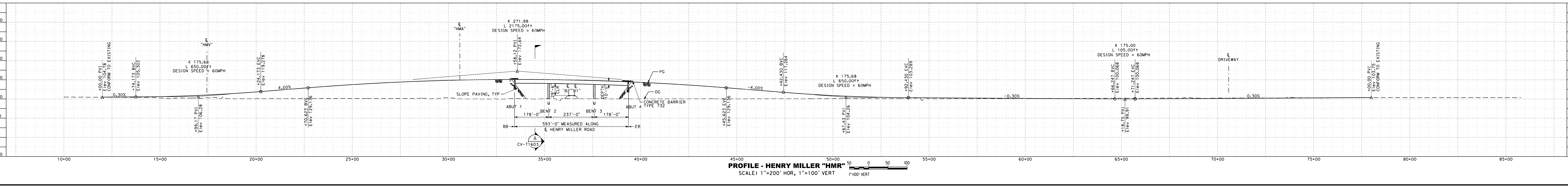


**VOLTA RD TYPICAL SECTION**  
SCALE: 1"=20'  
"HMR" STA 15+02.12 TO "HMR" STA 19+32.20

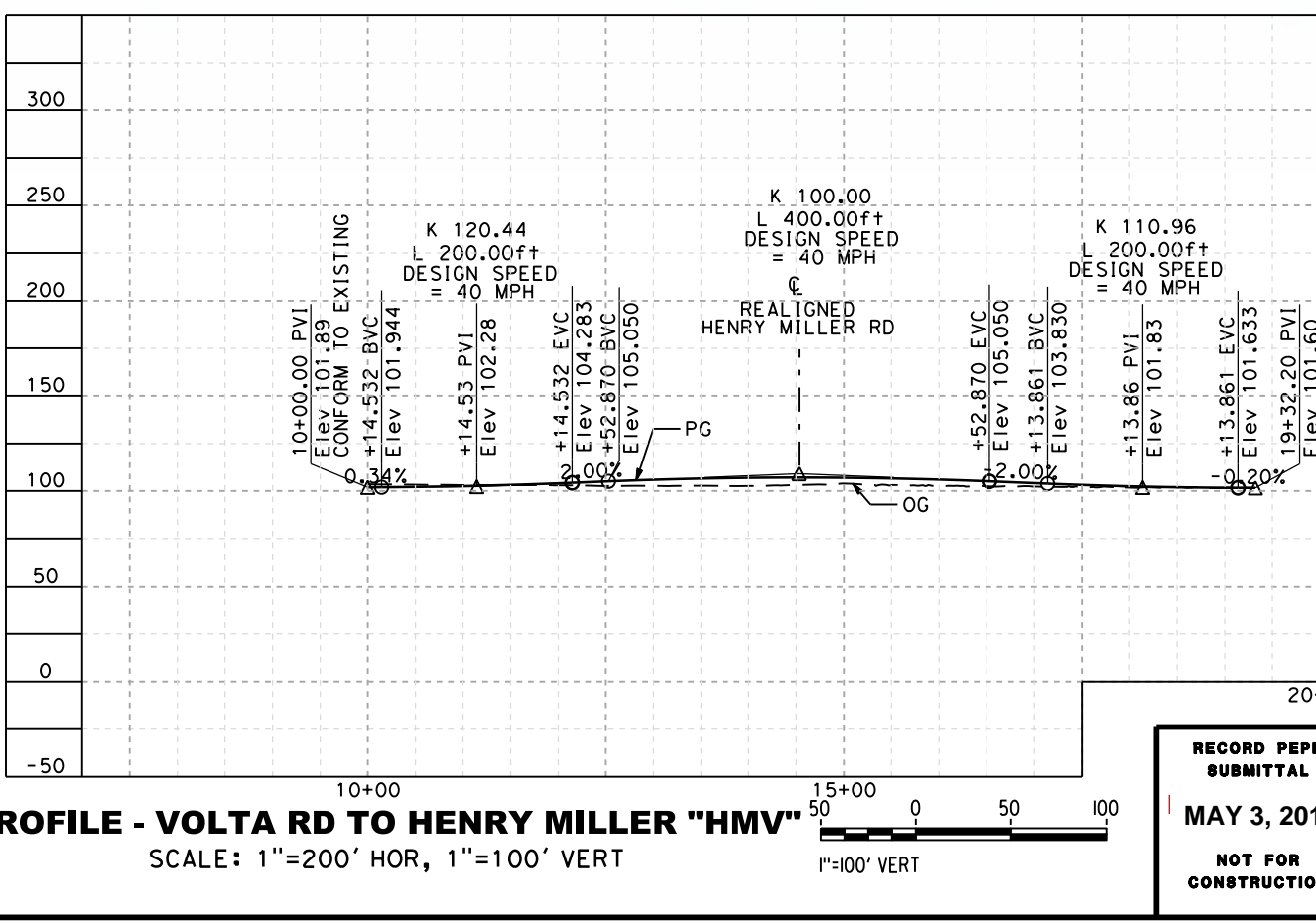
**VOLTA RD TYPICAL SECTION**  
SCALE: 1"=20'  
"HMR" STA 10+00.00 TO "HMR" STA 15+02.12



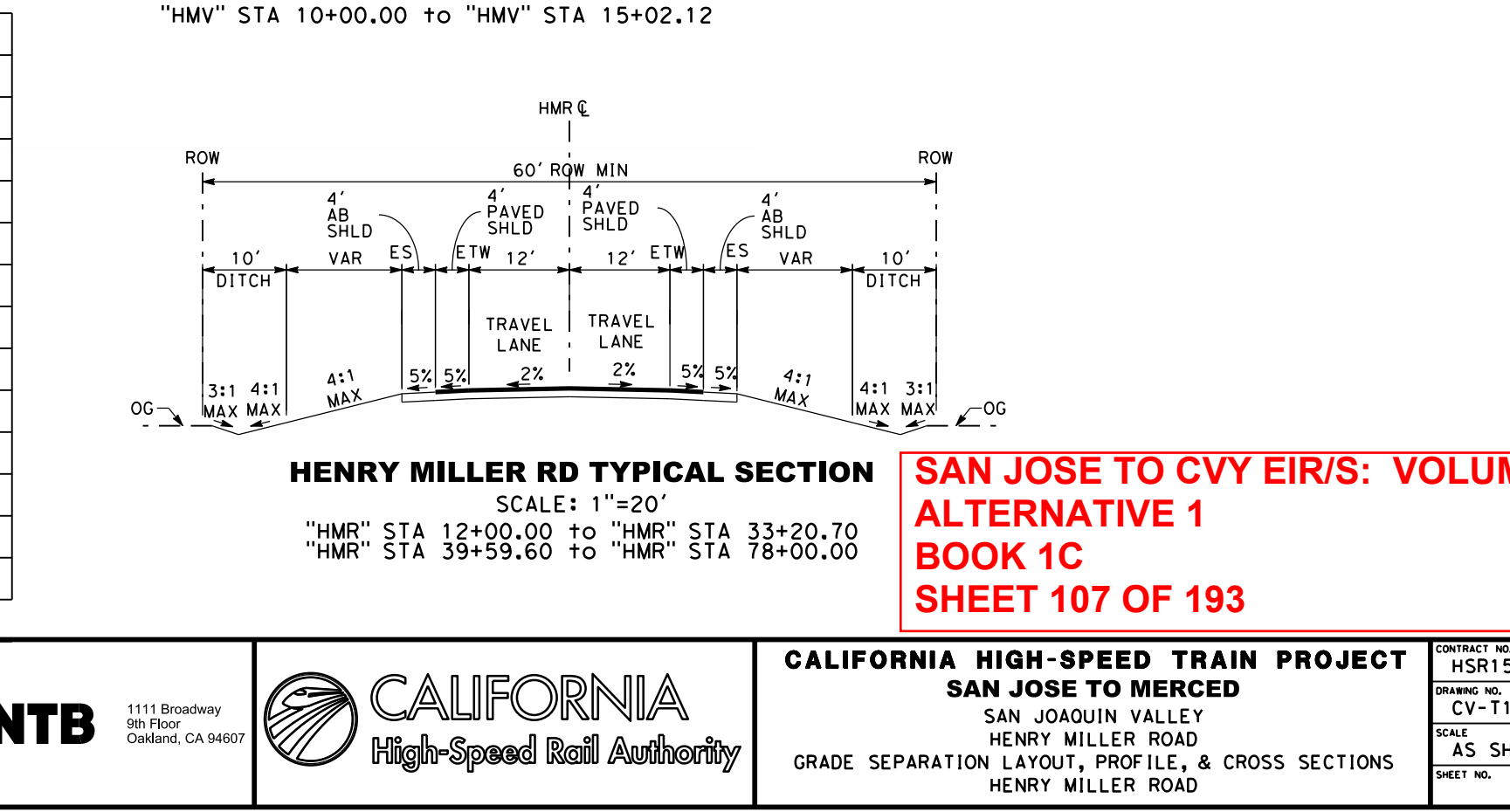
**HENRY MILLER RD TYPICAL SECTION**  
SCALE: 1"=20'  
"HMR" STA 12+00.00 TO "HMR" STA 33+20.70  
"HMR" STA 39+59.60 TO "HMR" STA 78+00.00



**PROFILE - HENRY MILLER "HMR"**  
SCALE: 1"=200' HOR, 1"=100' VERT

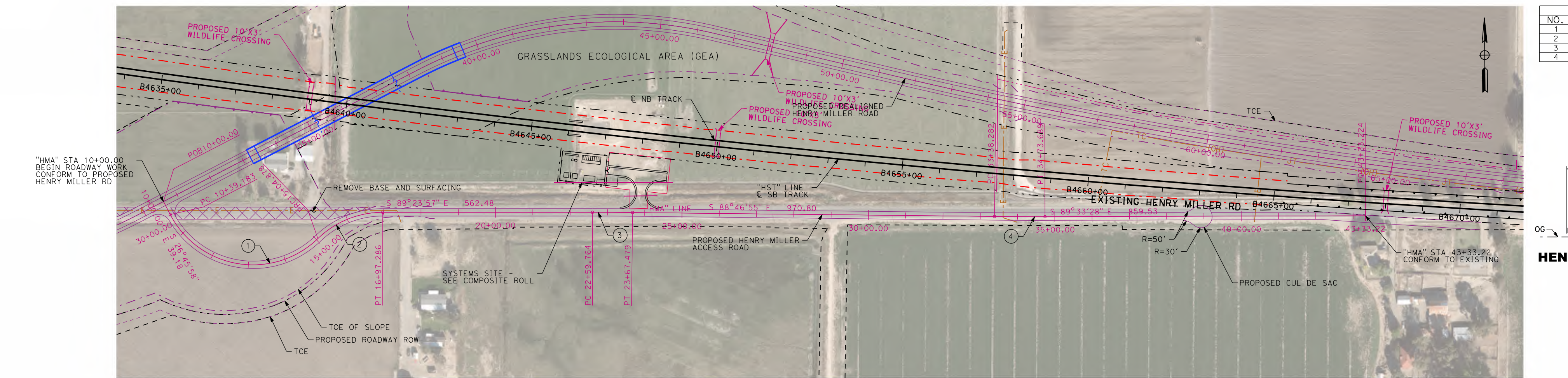


**PROFILE - VOLTA RD TO HENRY MILLER "HMR"**  
SCALE: 1"=200' HOR, 1"=100' VERT

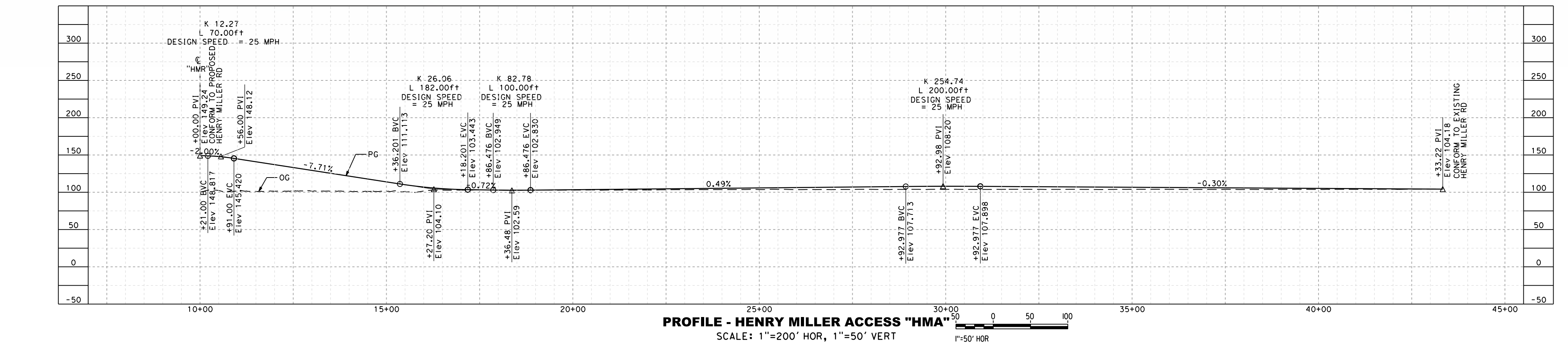
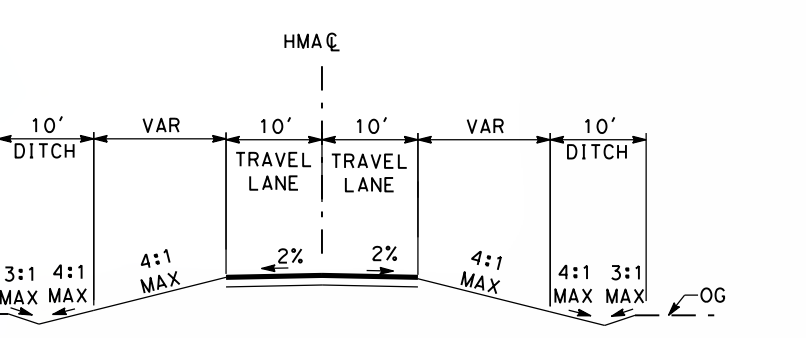


**SAN JOSE TO CVY EIRs: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 107 OF 193**

C:\Users\jbr\OneDrive\Documents\46031\_Corner\Sheet\1606\_HMA\_Rd\_CV-T1604.dgn  
 4/29/2019 4:47:44 PM  
 calhsr\jbr  
 c:\c\pdf\br\p11519



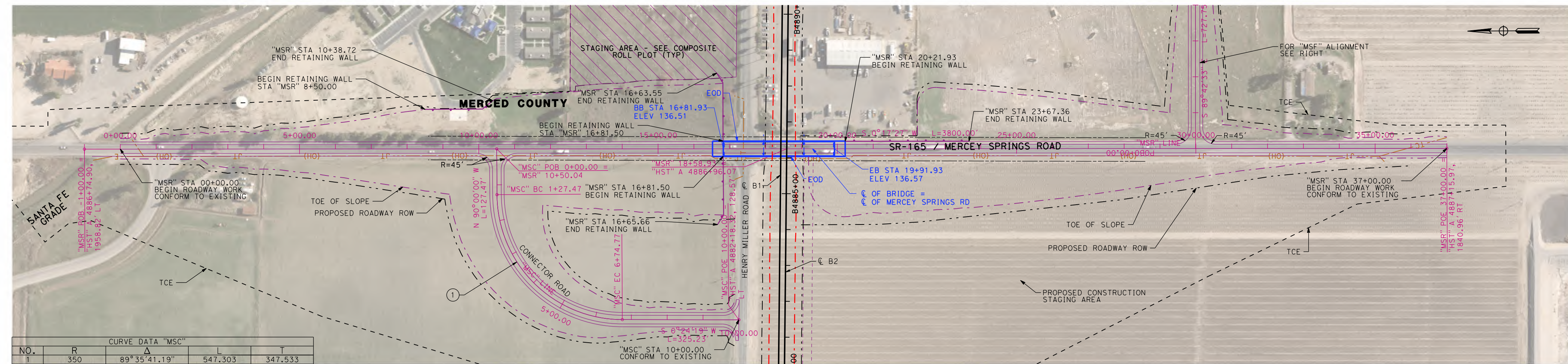
CURVE DATA "HMA"				
NO.	R	Δ	L	T
1	250	106°43'46.43"	465.696	336.193
2	250	44°05'47.68"	192.408	101.252
3	10000	0°37'01.77"	107.714	53.858
4	10000	0°46'32.98"	135.408	67.705



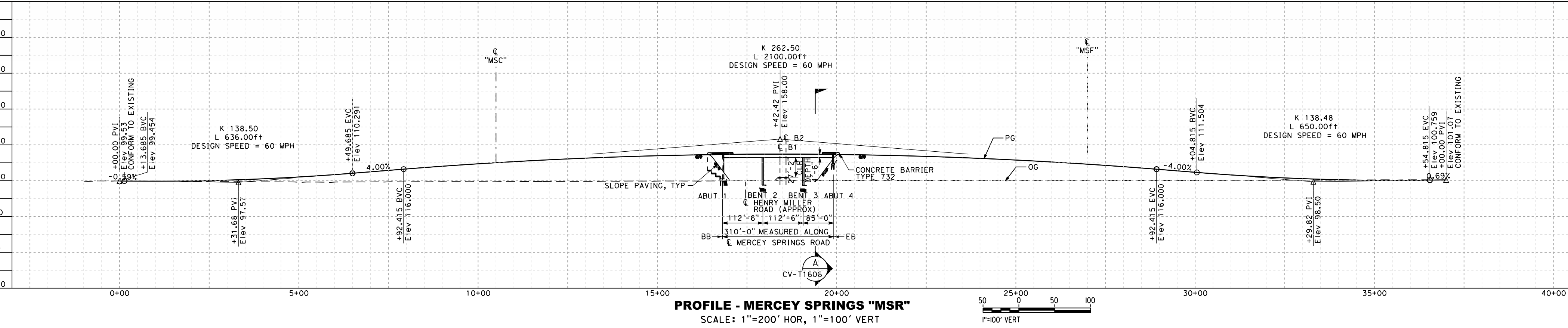
**NOTE:**  
 1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 108 OF 193**

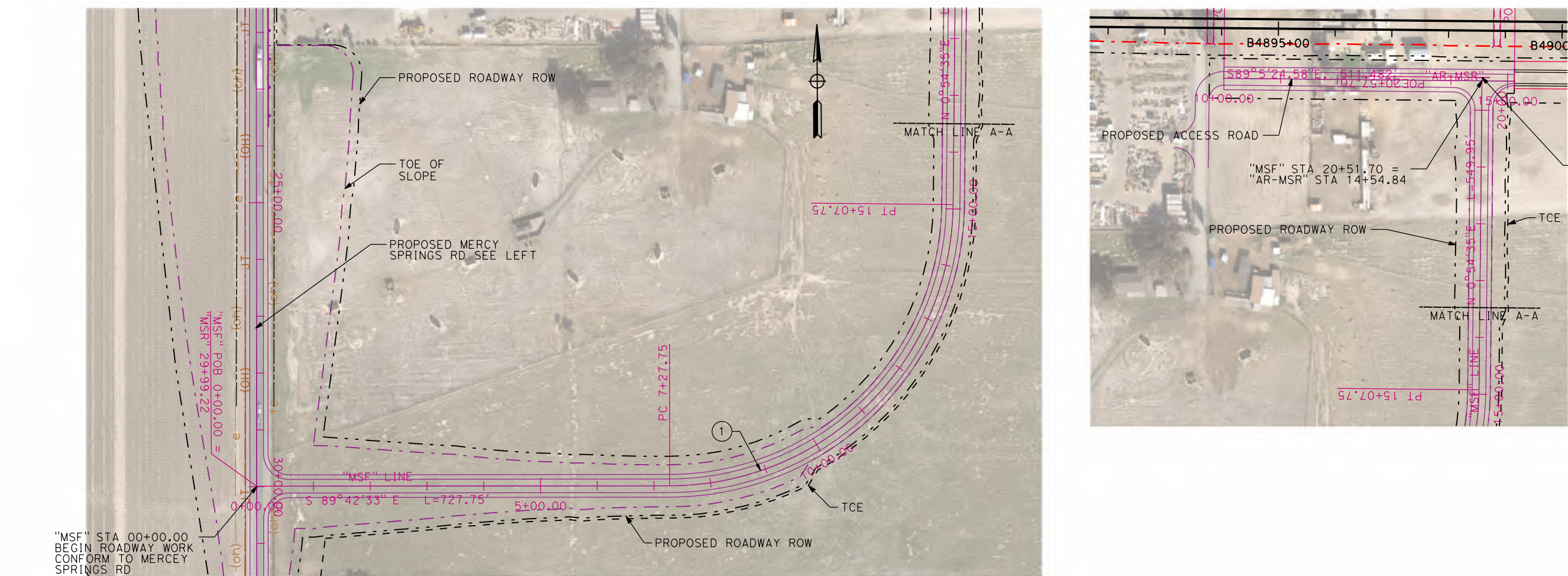
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS HENRY MILLER ACCESS	CONTRACT NO. HSR15-35 DRAWING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



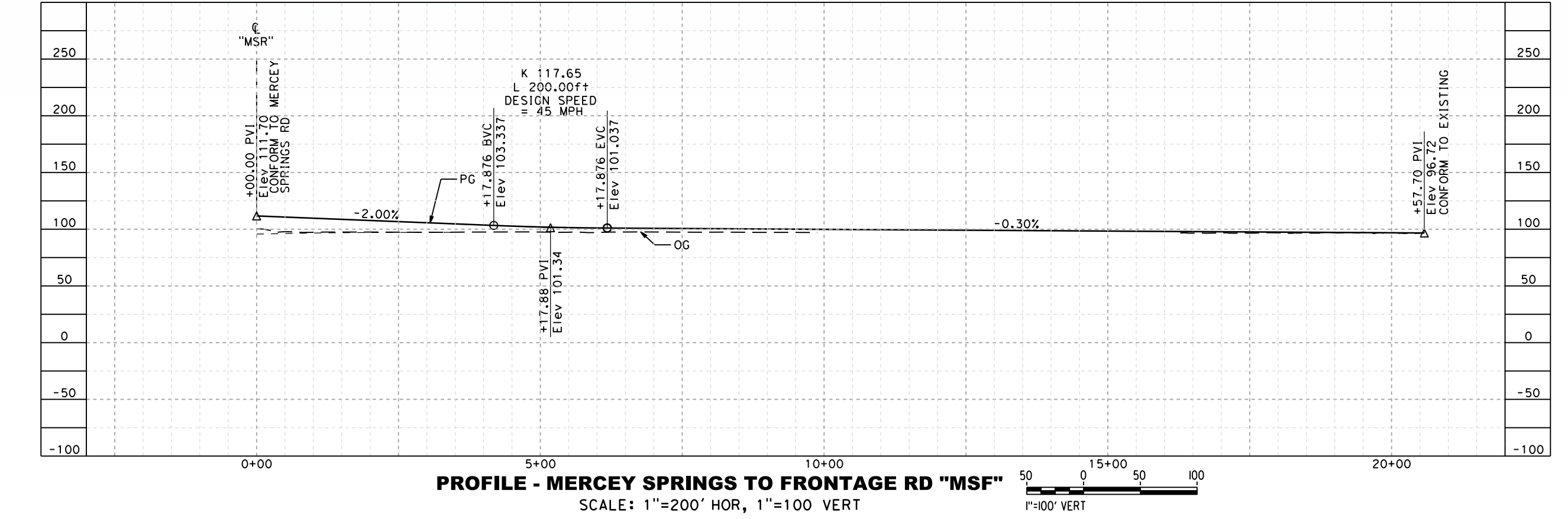
**PLAN - MERCY SPRINGS "MSR" AND MERCY SPRINGS CONNECTOR "MSC"**  
SCALE: 1"=200'



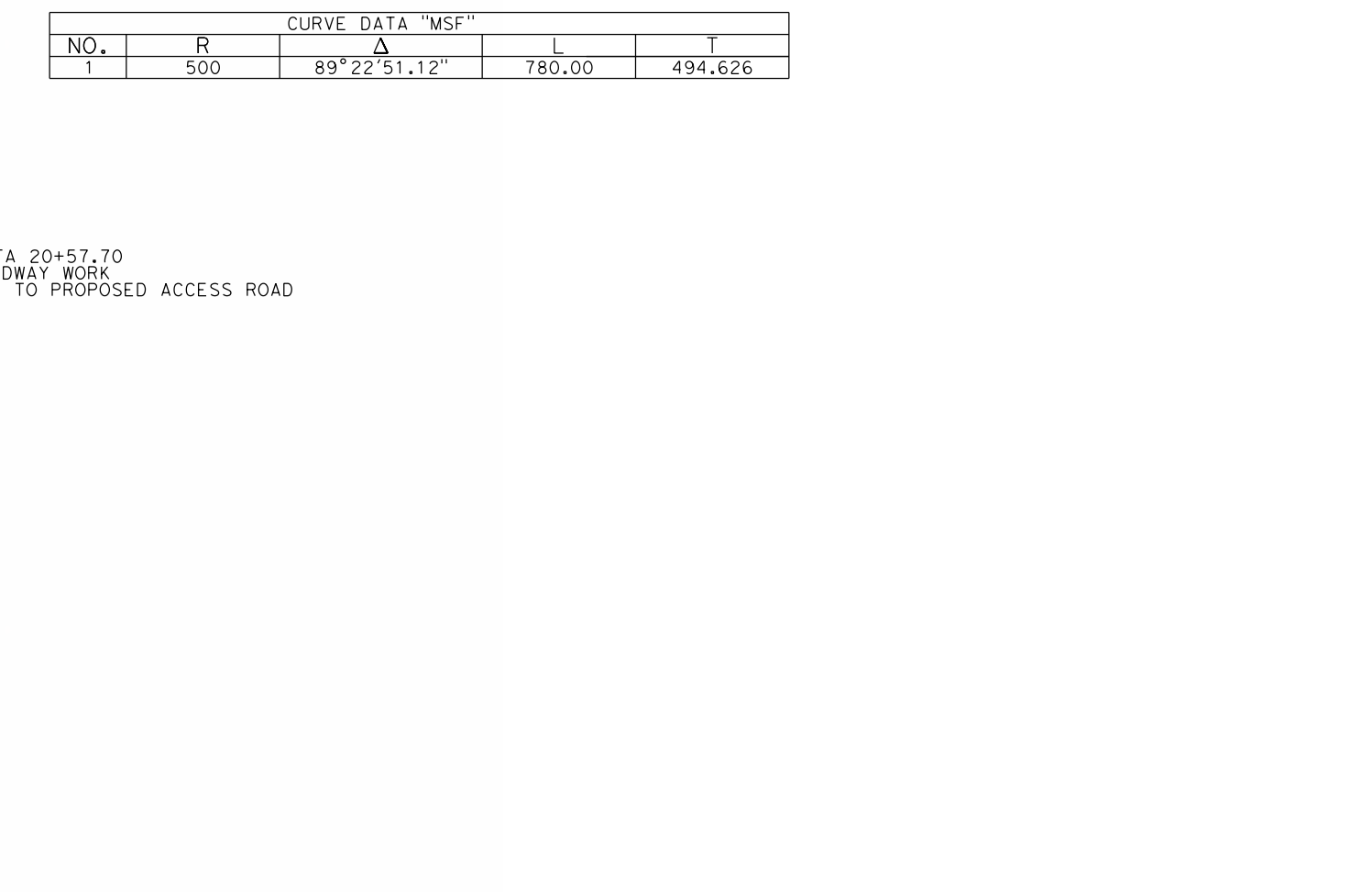
**PROFILE - MERCY SPRINGS "MSR"**  
SCALE: 1"=200' HOR, 1"=100' VERT



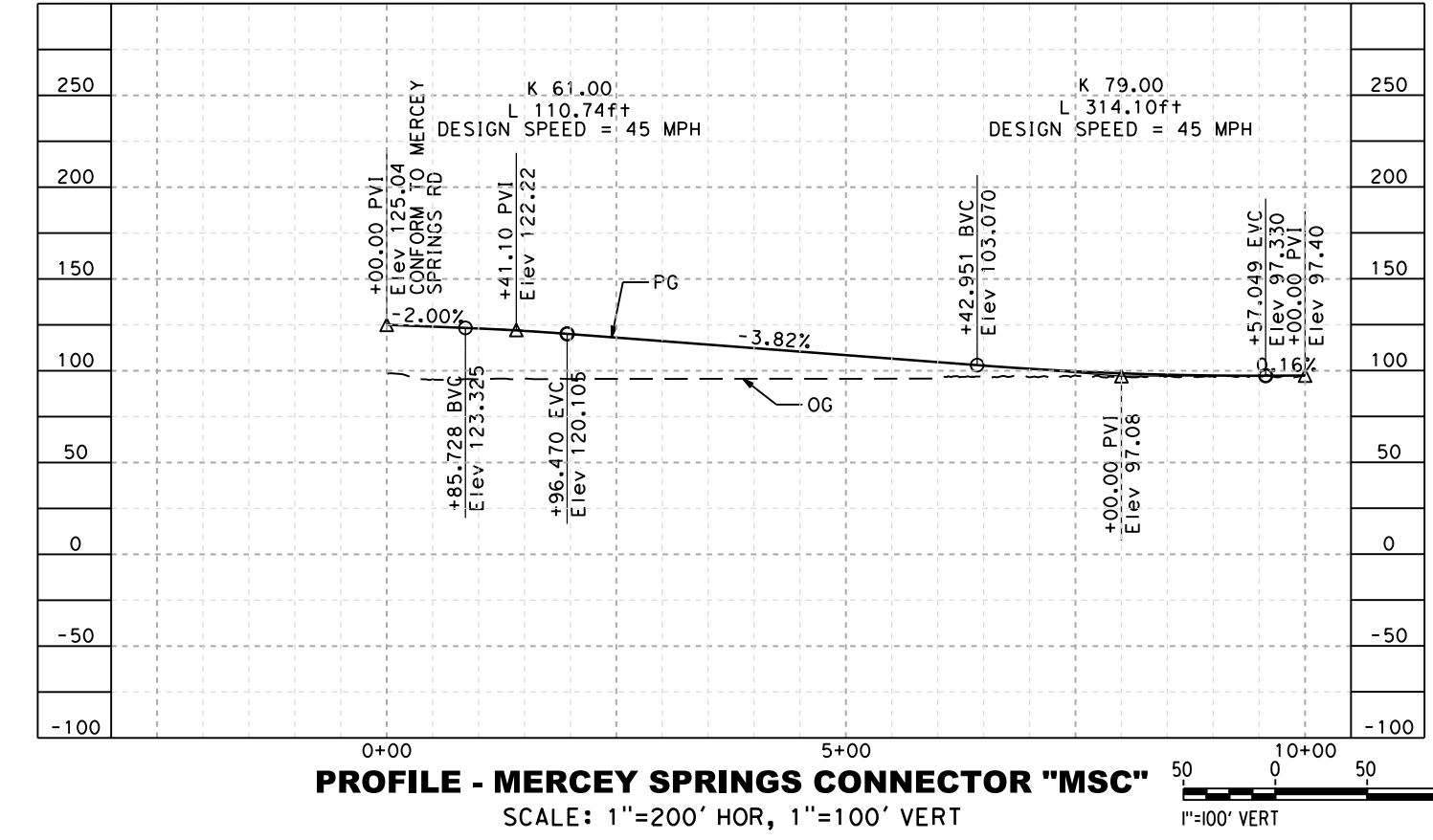
**PLAN - MERCY SPRINGS TO FRONTAGE RD "MSF"**  
SCALE: 1"=200'



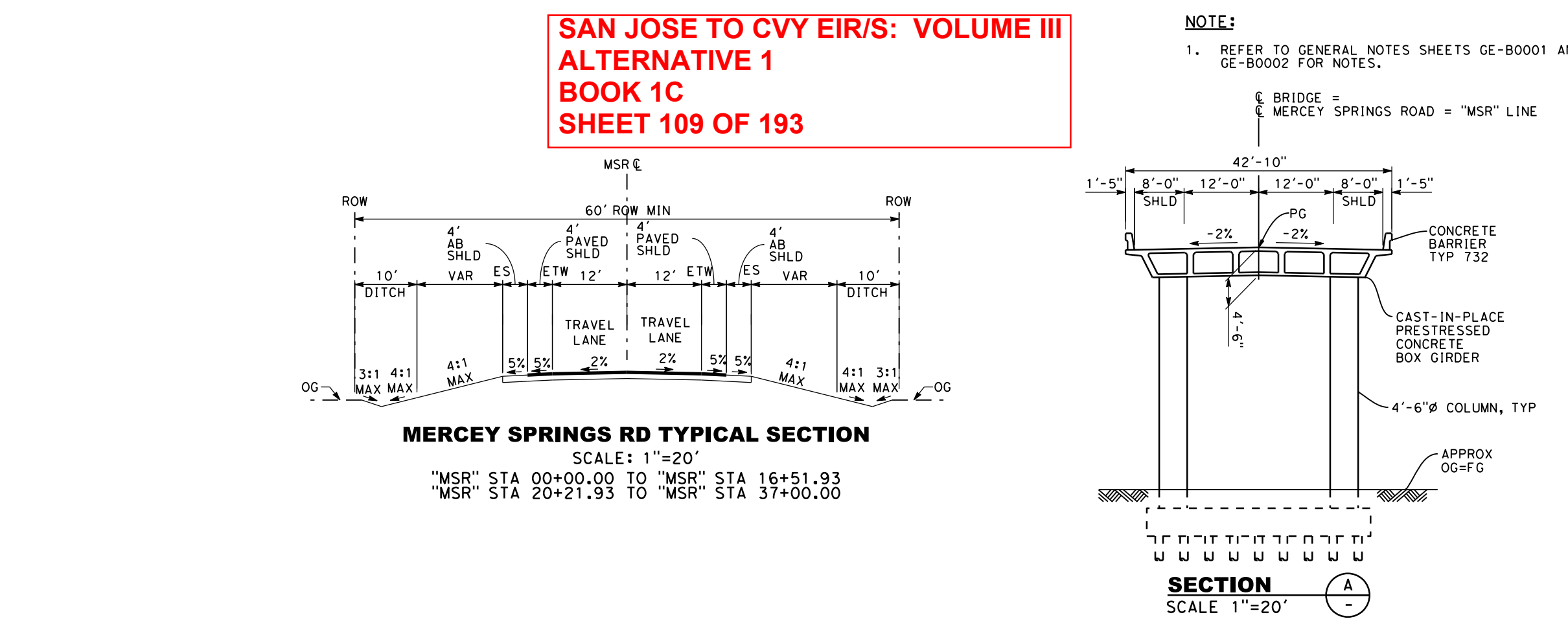
**PROFILE - MERCY SPRINGS TO FRONTAGE RD "MSF"**  
SCALE: 1"=200' HOR, 1"=100' VERT



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



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



**MERCY SPRINGS RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'

**MERCY SPRINGS TO FRONTAGE RD TYPICAL SECTION**  
SCALE: 1"=20'

**RECORD PERM SUBMITTAL**  
MAY 3, 2019  
NOT FOR CONSTRUCTION

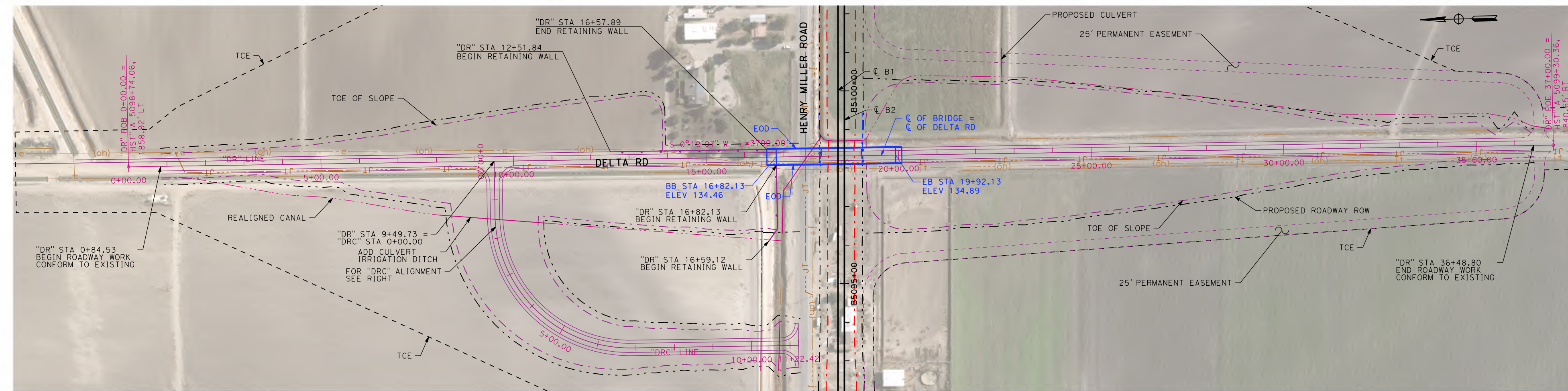
**HNTB**  
1111 Broadway  
9th Floor  
Oakland, CA 94607

**CALIFORNIA High-Speed Rail Authority**

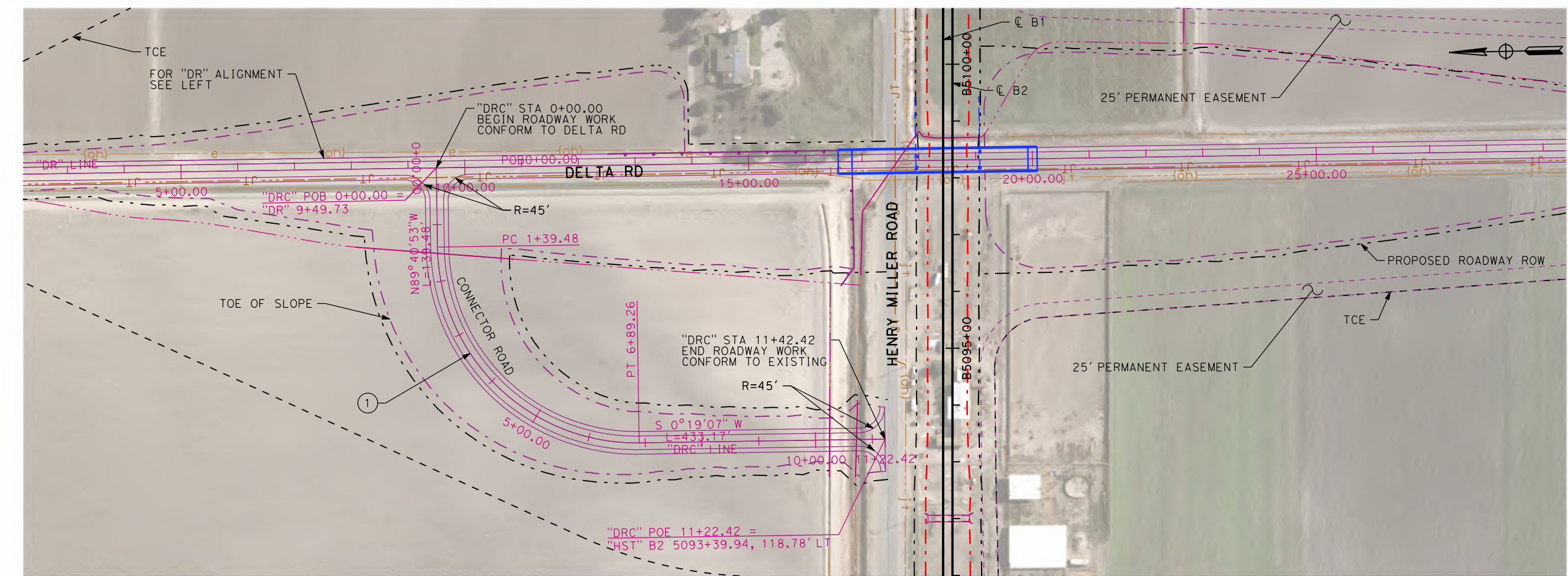
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
SAN JOSE TO MERCY  
HENRY MILLER ROAD  
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS  
MERCY SPRINGS ROAD

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

2/20/2019 4:48:06 PM C:\p02\190310\190310.dwg User: hntb\jg...  
 2/20/2019 4:48:06 PM C:\p02\190310\190310.dwg User: hntb\jg...



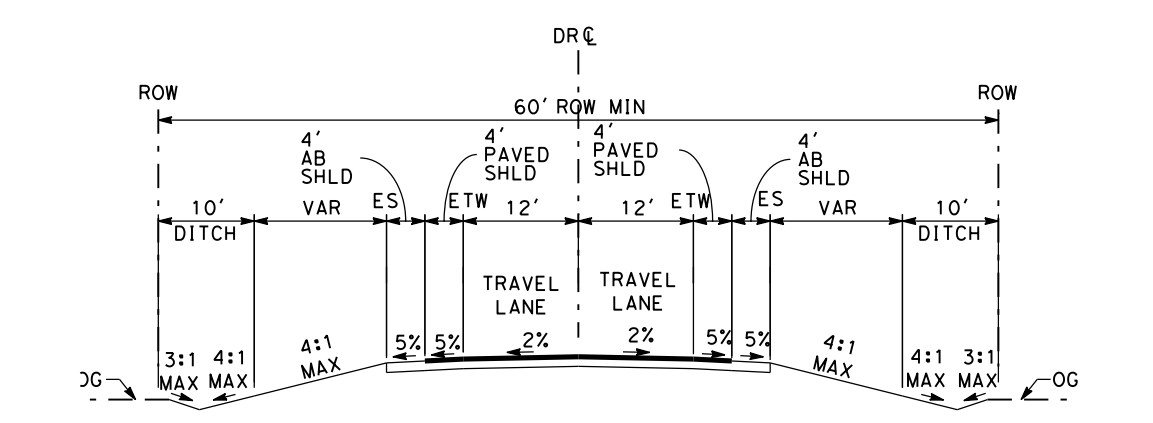
**PLAN - DELTA RD "DR"**  
SCALE: 1"=200'



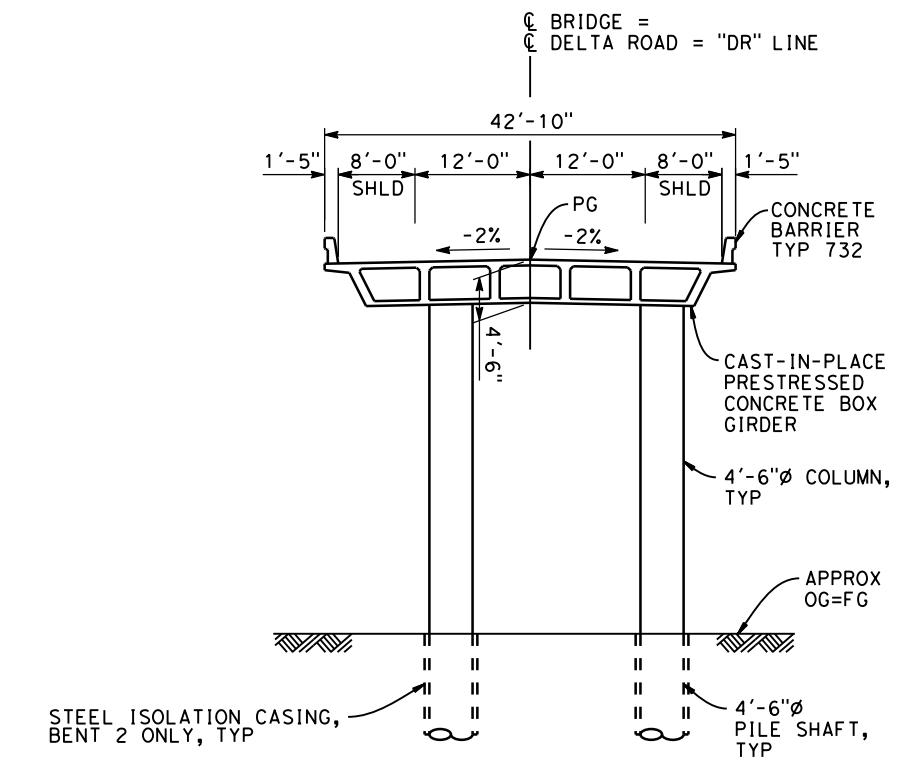
**PLAN - DELTA RD CONNECTOR "DRC"**  
SCALE: 1"=200'

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

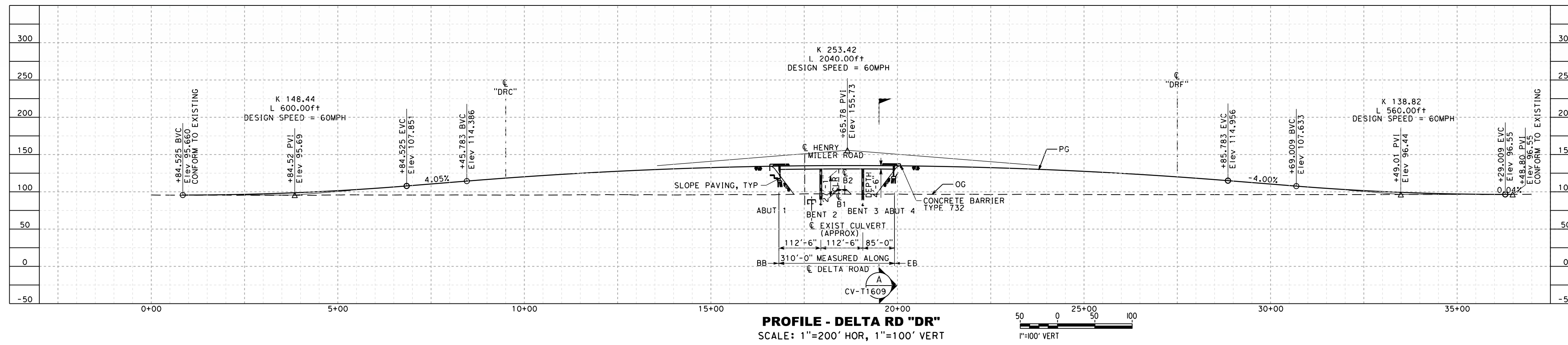
**NOTE:**  
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



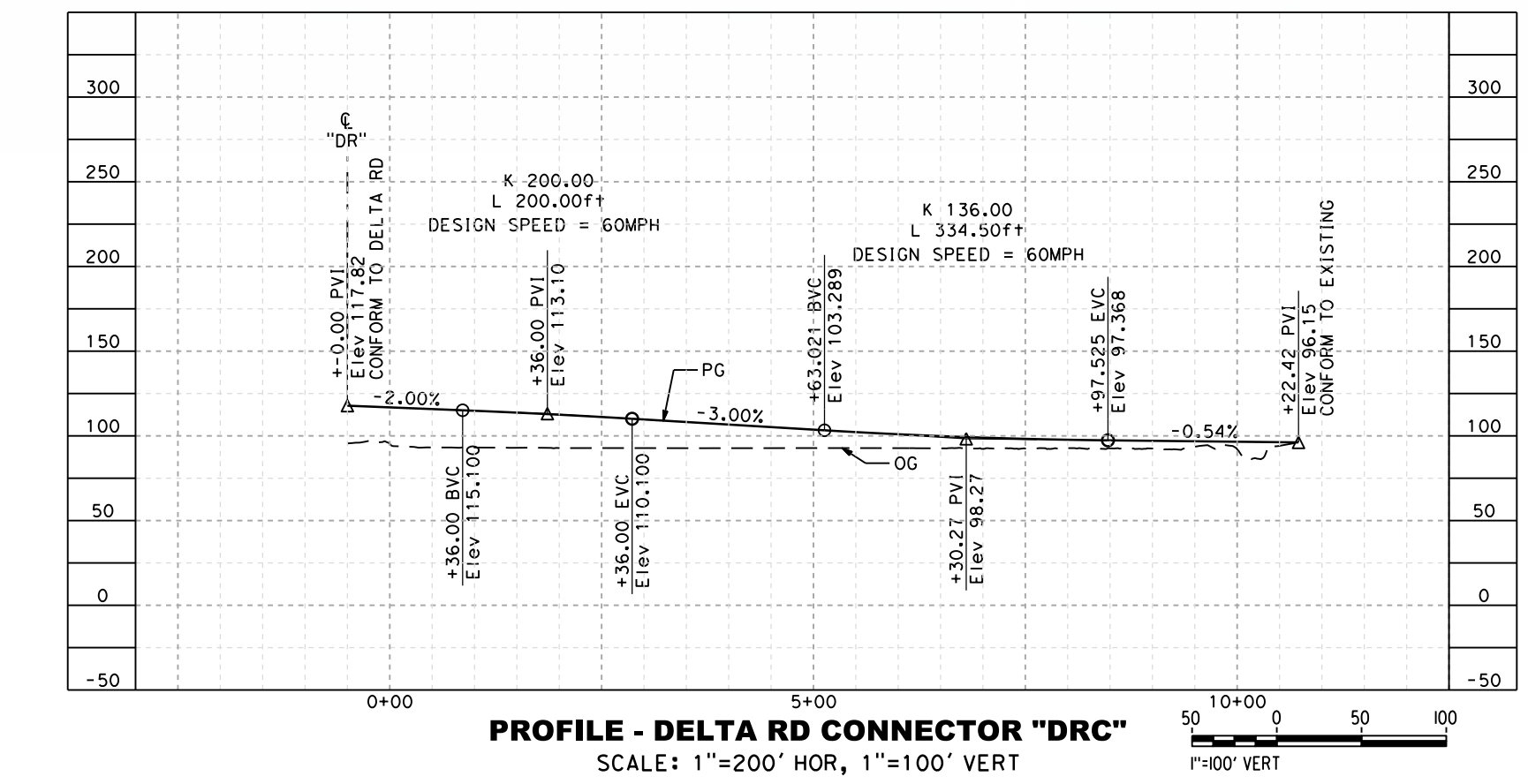
**DELTA RD TYPICAL SECTION**  
SCALE: 1"=20'  
"DR" STA 00+84.53 TO "DR" STA 13+82.15  
"DR" STA 20+8.28 TO "DR" STA 36+48.80



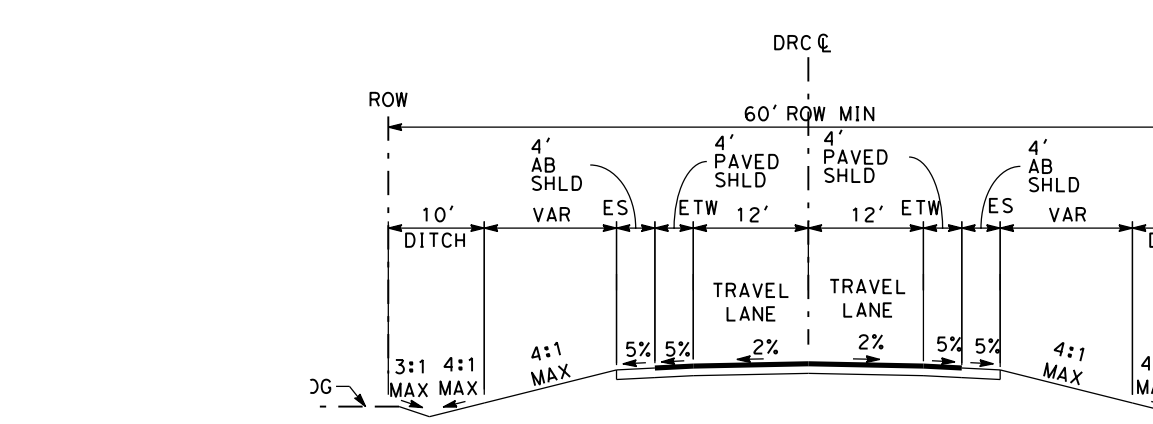
**SECTION A**  
SCALE: 1"=20'



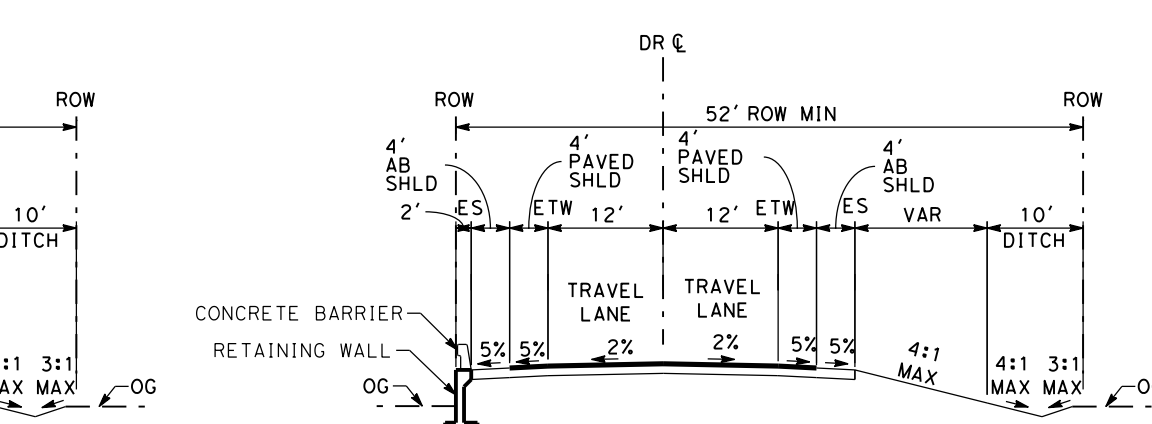
**PROFILE - DELTA RD "DR"**  
SCALE: 1"=200' HOR, 1"=100' VERT



**PROFILE - DELTA RD CONNECTOR "DRC"**  
SCALE: 1"=200' HOR, 1"=100' VERT



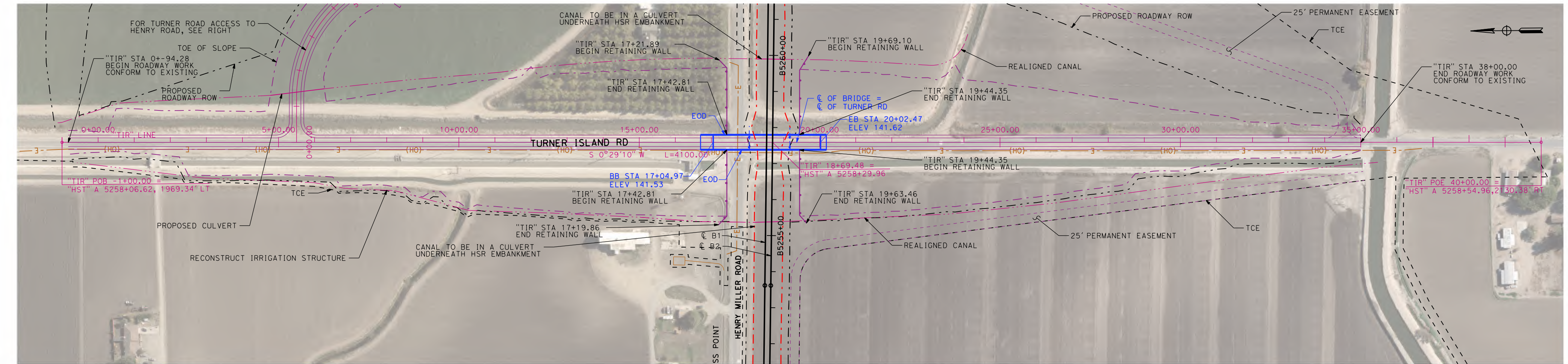
**DELTA RD TO HENRY MILLER RD CONNECTOR TYPICAL SECTION**  
SCALE: 1"=20'  
"DRC" STA 00+00.00 TO "DRC" STA 11+22.42



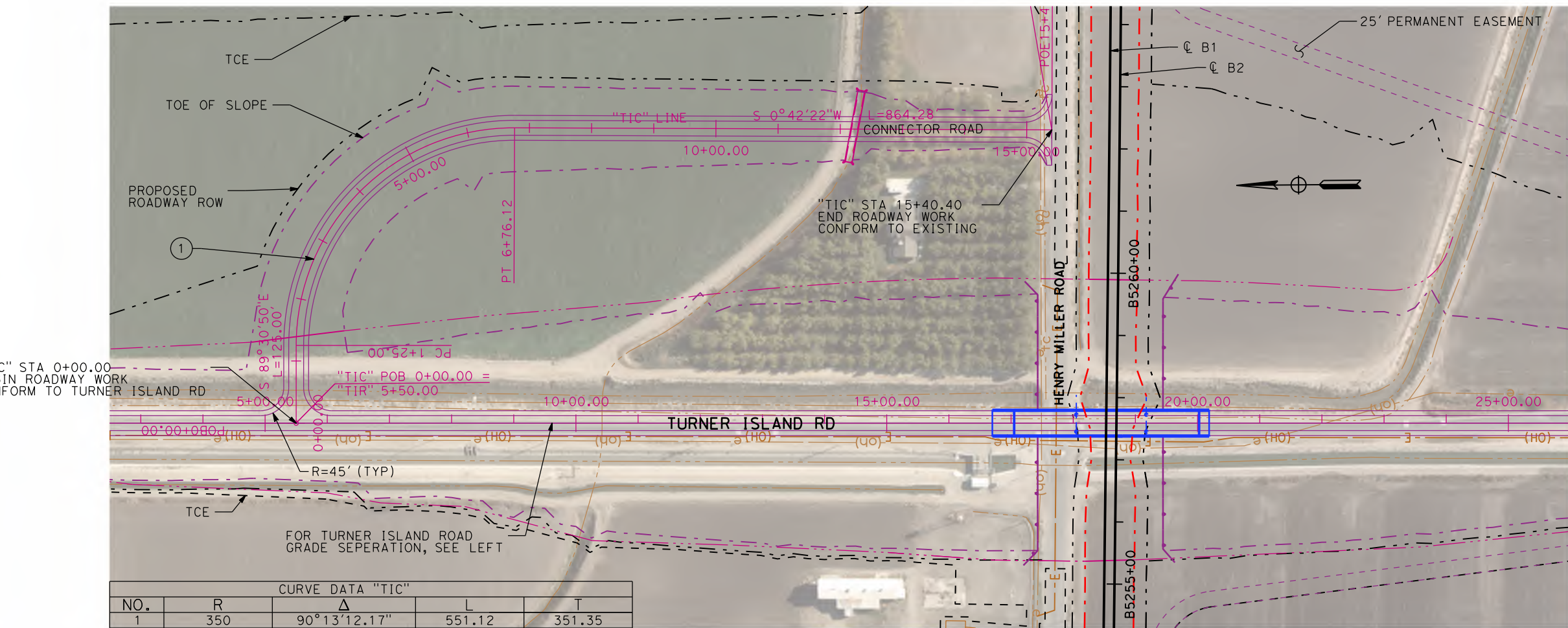
**DELTA RD TYPICAL SECTION**  
SCALE: 1"=20'  
"DR" STA 13+82.15 TO "DR" STA 16+57.89

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 110 OF 193**

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

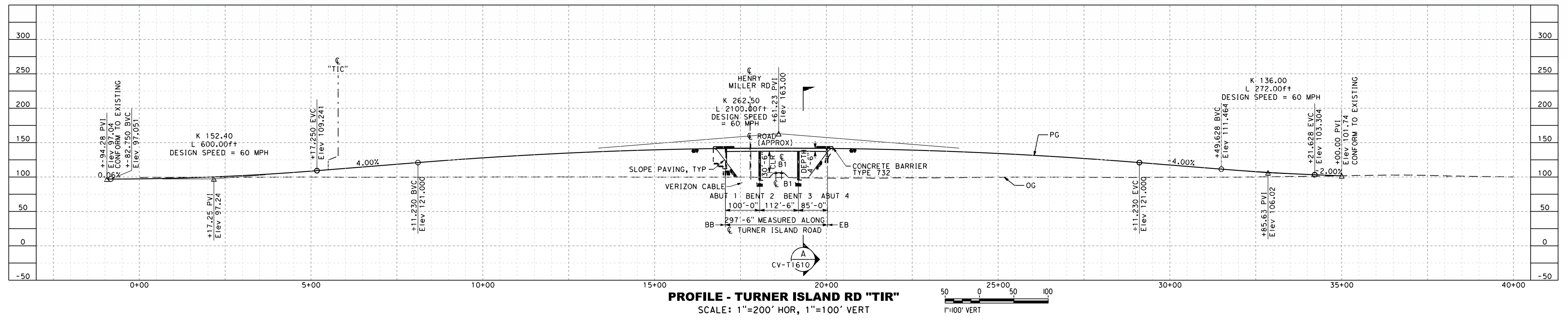


PLAN - TURNER ISLAND RD "TIR"  
SCALE: 1"=200'

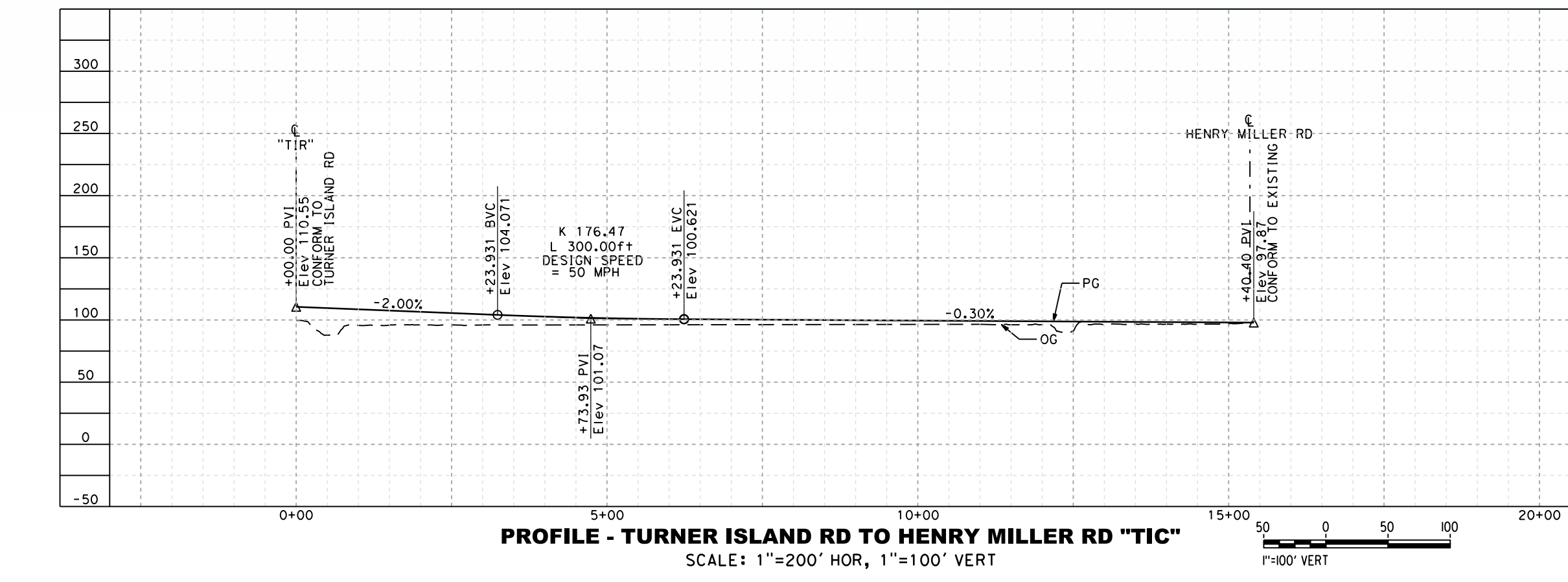


PLAN - TURNER ISLAND RD TO HENRY MILLER RD "TIC"  
SCALE: 1"=200'

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

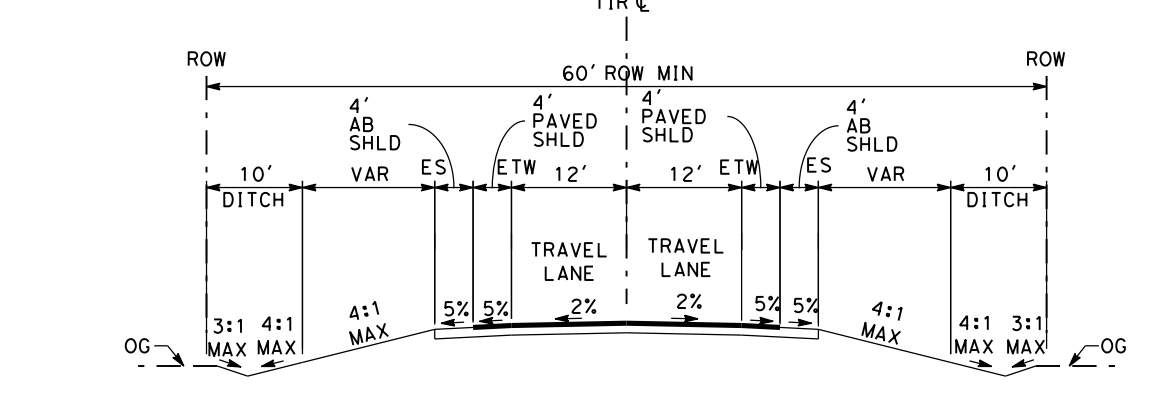


PROFILE - TURNER ISLAND RD TO HENRY MILLER RD "TIC"  
SCALE: 1"=200' HOR, 1"=100' VERT



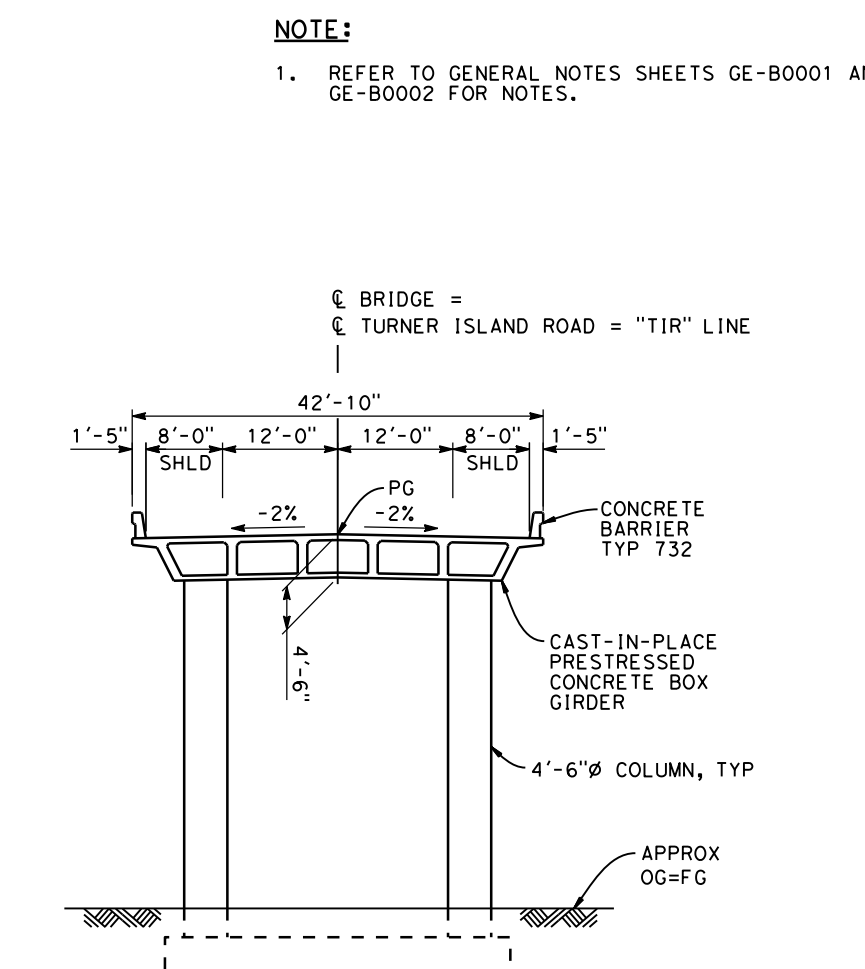
TURNER ISLAND RD TO HENRY MILLER RD  
TYPICAL SECTION  
SCALE: 1"=20'

"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

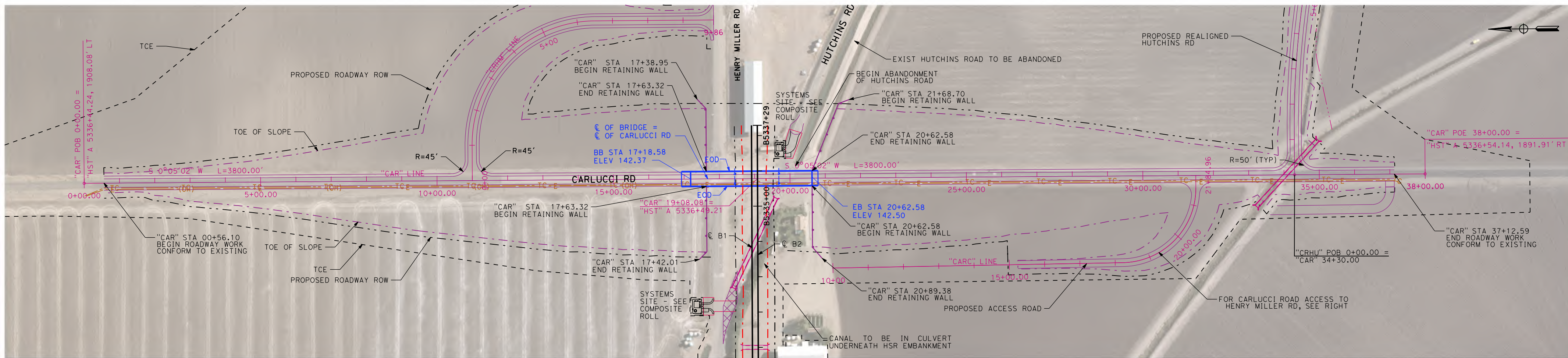


SECTION A  
SCALE 1"=20'

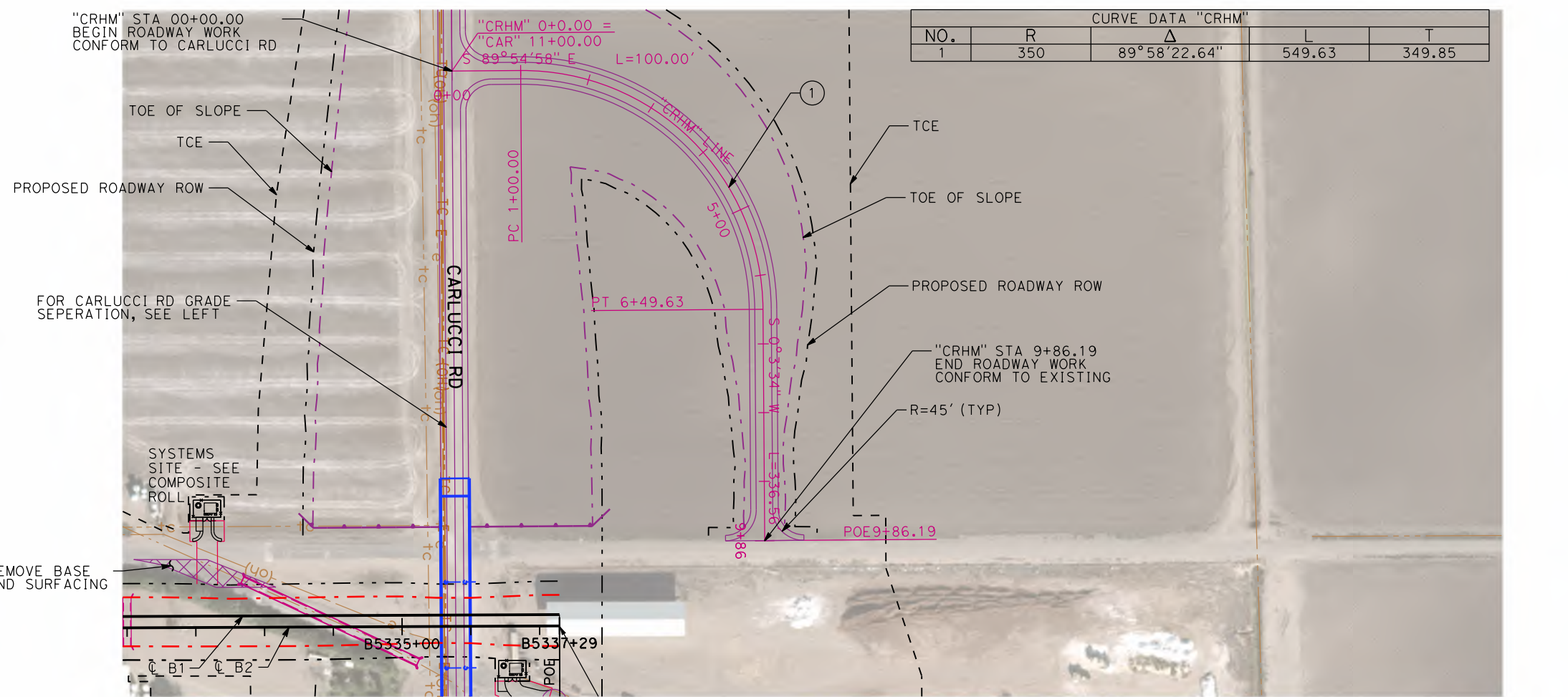
**SAN JOSE TO CVY EIR'S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 111 OF 193**

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

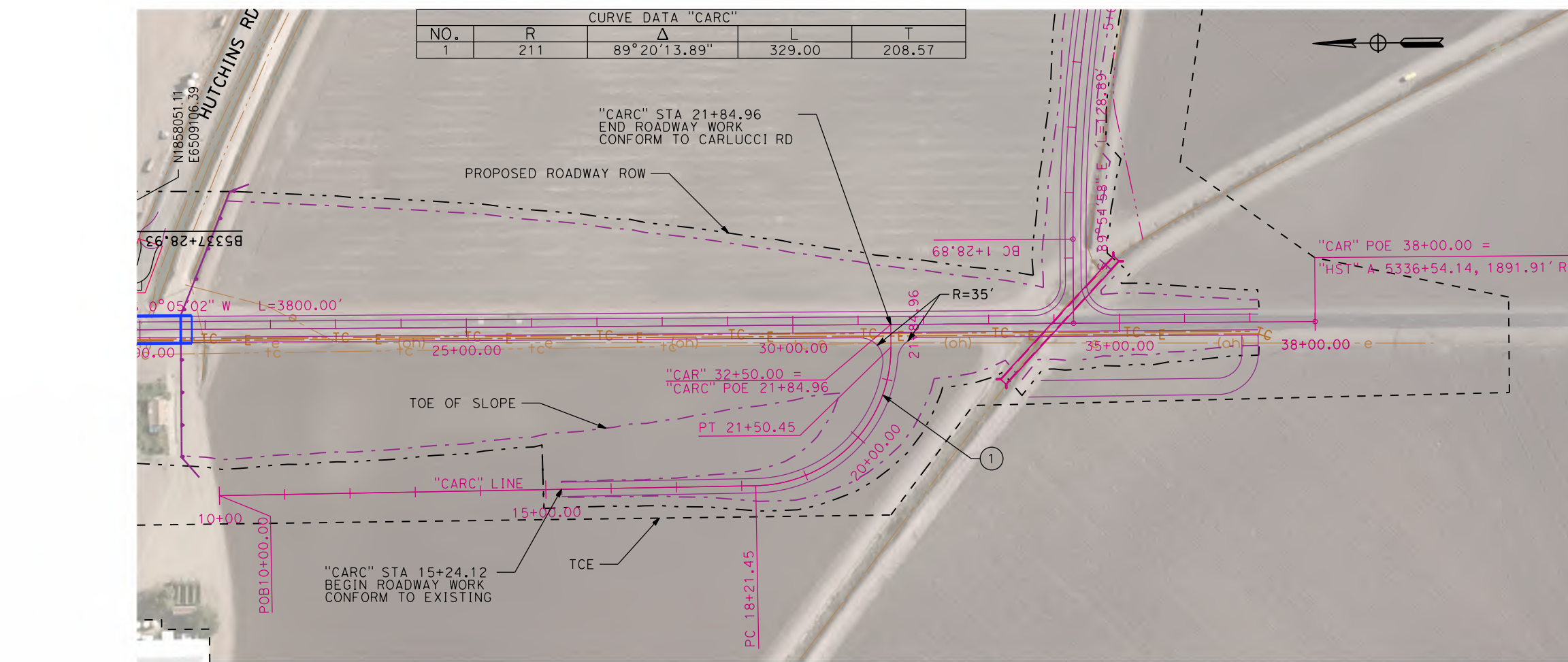




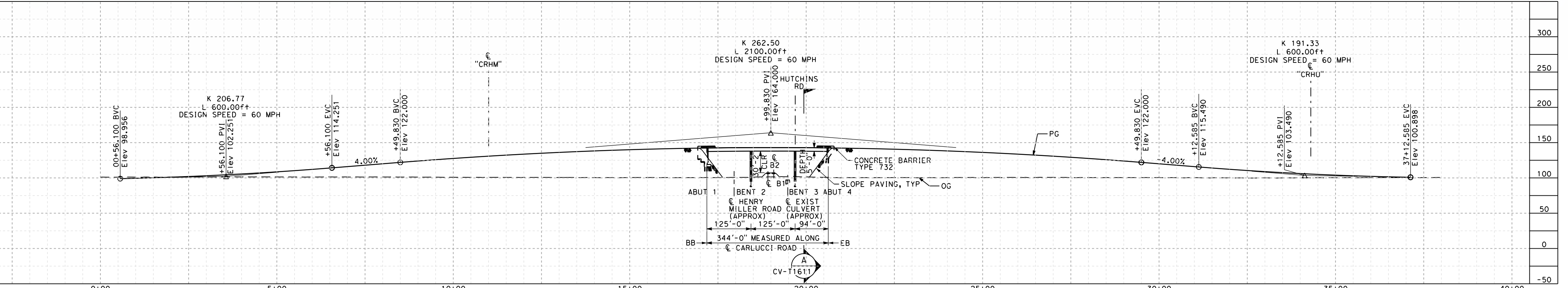
**PLAN - CARLUCCI RD "CAR"**  
SCALE: 1"=200'



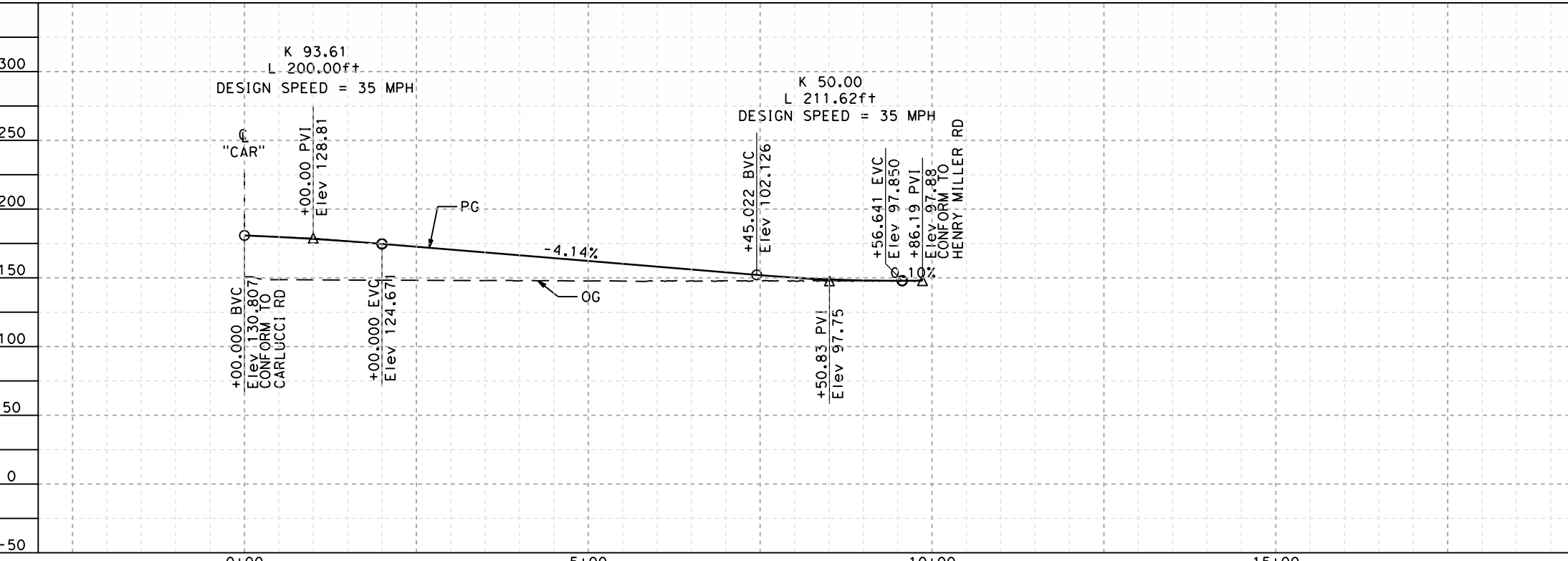
**PLAN - HENRY MILLER RD TO CARLUCCI RD "CRHM"**  
SCALE: 1"=200'



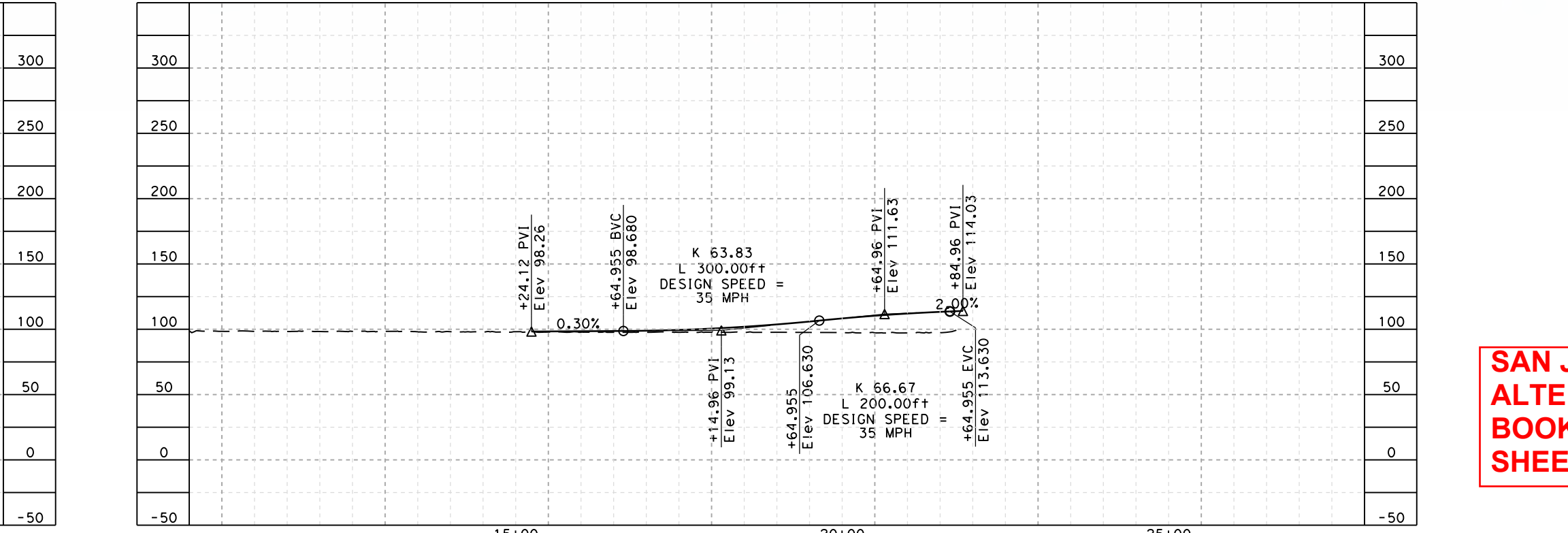
**PLAN - CARLUCCI ACCESS ROAD "CARC"**  
SCALE: 1"=200'



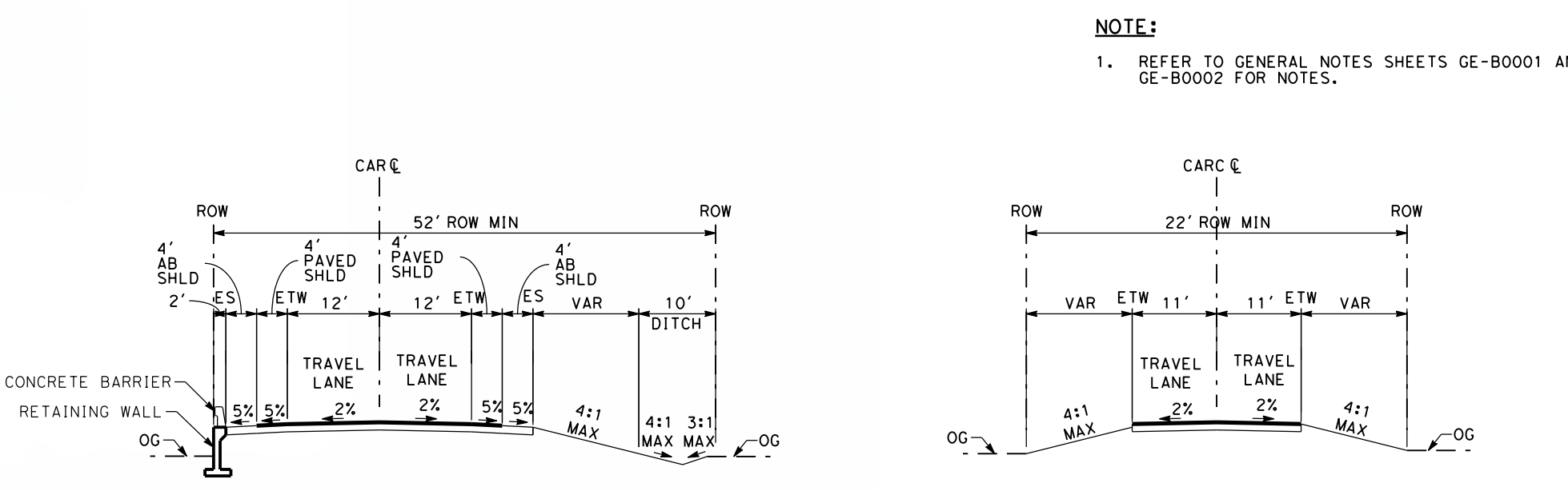
**PROFILE - CARLUCCI RD "CAR"**  
SCALE: 1"=200' HOR, 1"=100' VERT



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

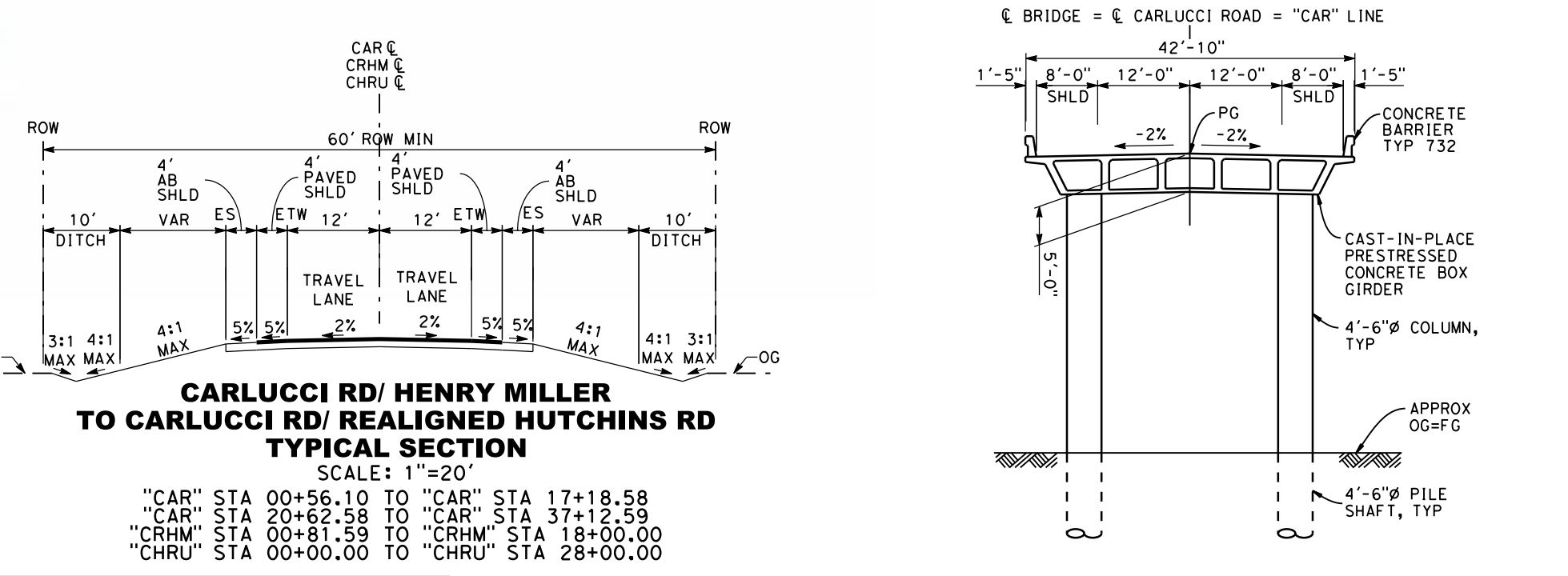


**PROFILE - CARLUCCI ACCESS ROAD "CARC"**  
SCALE: 1"=200' HOR, 1"=100' VERT



**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

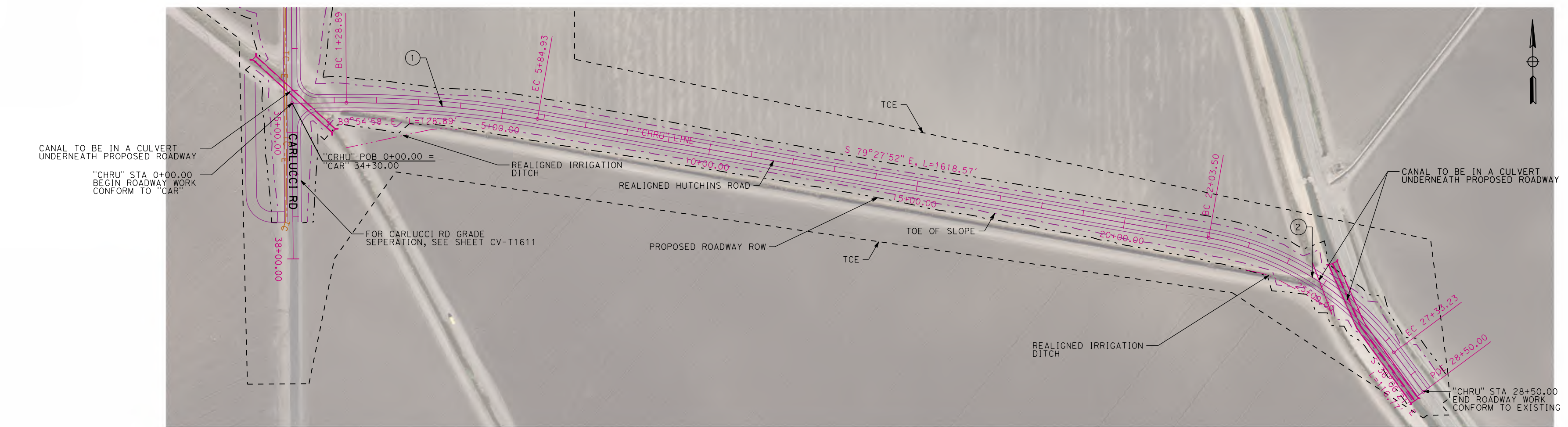


**CARLUCCI RD/HENRY MILLER RD TO CARLUCCI RD/REALIGNED HUTCHINS RD TYPICAL SECTION**  
SCALE: 1"=20'

**SAN JOSE TO CVY EIRs: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 112 OF 193**

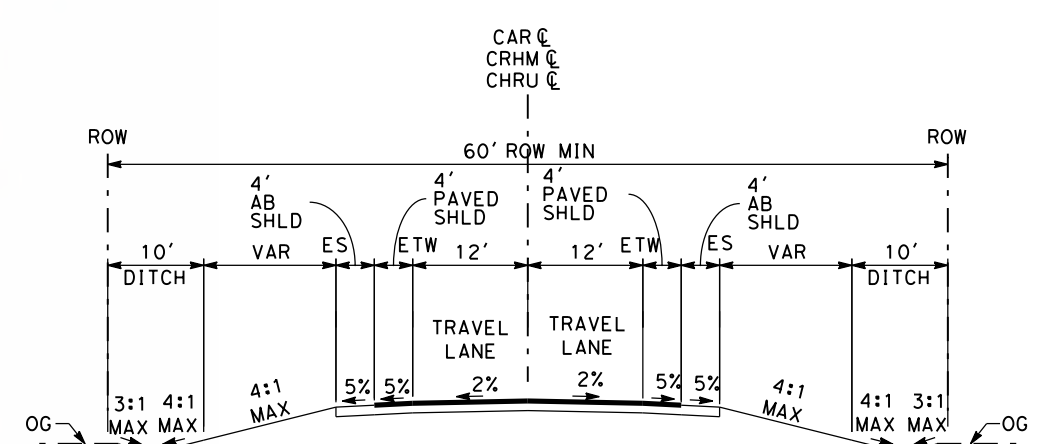
RECORD PERM <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS CARLUCCI ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1611 SCALE AS SHOWN SHEET NO.
--	--	--	---	---

4/20/2019 4:52:58 PM C:\p1\proj\2019\04\20190411\11612.dgn c:\p1\proj\2019\04\20190411\11612.dwg



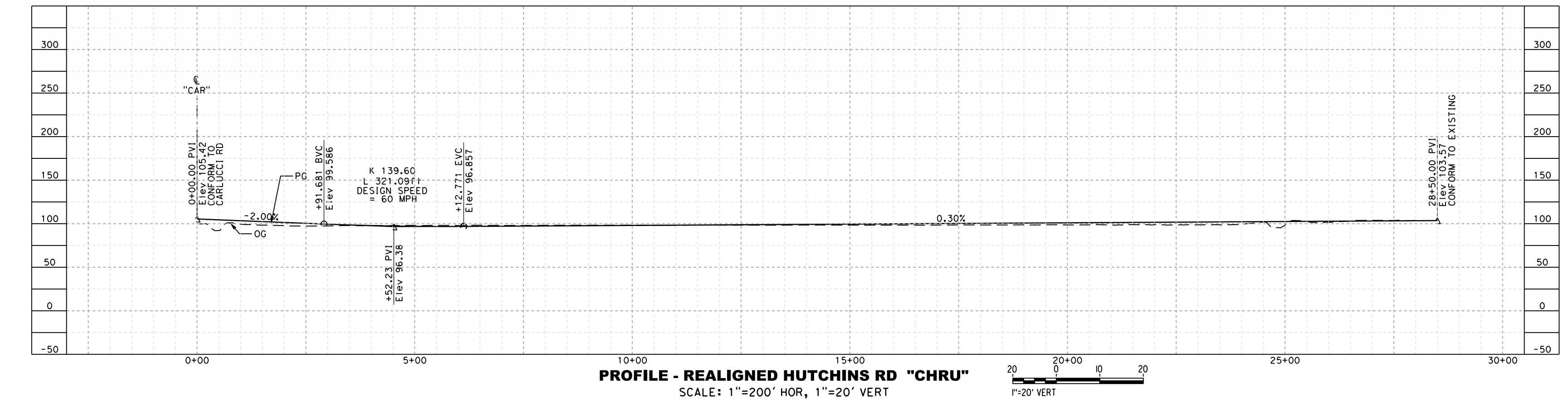
**PLAN - REALIGNED HUTCHINS ROAD "CHRU"**  
SCALE: 1"=200'

CURVE DATA "CHRU"				
NO.	R	Δ	T	L
1	2500	10°27'05.95"	456.039	228.654
2	700	43°21'31.47"	529.727	278.272



**CARLUCCI RD/ HENRY MILLER 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



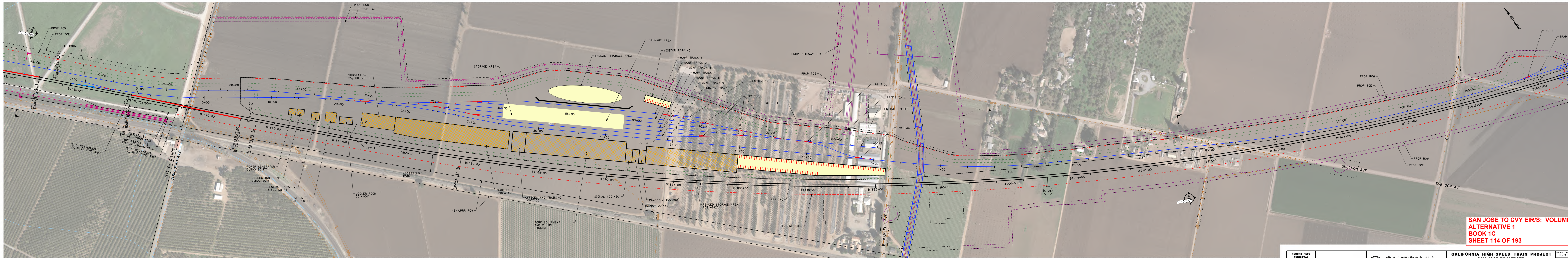
**PROFILE - REALIGNED HUTCHINS RD "CHRU"**  
SCALE: 1"=200' HOR, 1"=20' VERT

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

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 113 OF 193**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS HUTCHINS ROAD	CONTRACT NO. HSR15-35 DRAWING NO. CV-T1612 SCALE AS SHOWN SHEET NO.
--	--	--	---	--

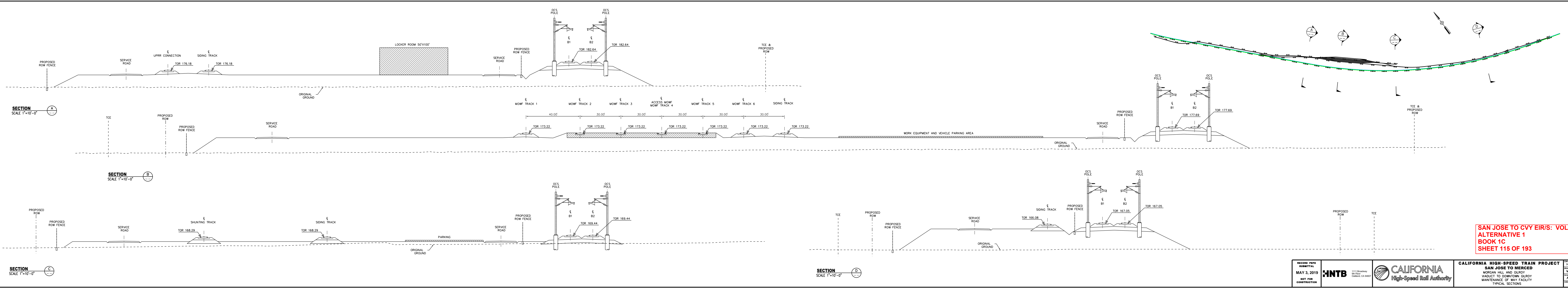
2/20/2019 4:55:11 PM c:\p0907.tbl C:\Users\lhw\OneDrive\Documents\116211\alt1\alt1-00907.dwg



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

<b>RECORD PERMITS</b> MAY 3, 2019 <b>NOT FOR CONSTRUCTION</b>	 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> 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 1**  
**BOOK 1C**  
**SHEET 114 OF 193**



**SECTION A**  
SCALE 1"=10'-0"

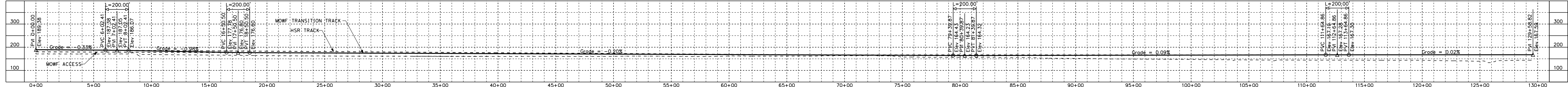
**SECTION B**  
SCALE 1"=10'-0"

**SECTION C**  
SCALE 1"=10'-0"

**SECTION D**  
SCALE 1"=10'-0"

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 115 OF 193**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> 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.
--	--	--	--	---



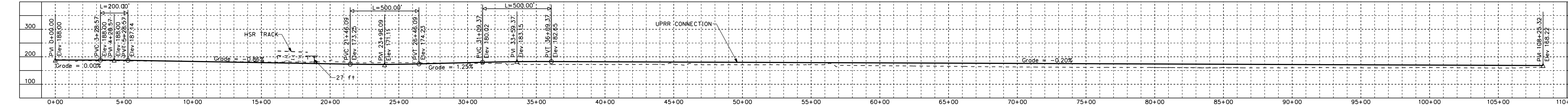
**MOWF TRANSITION TRACK PROFILE**

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						

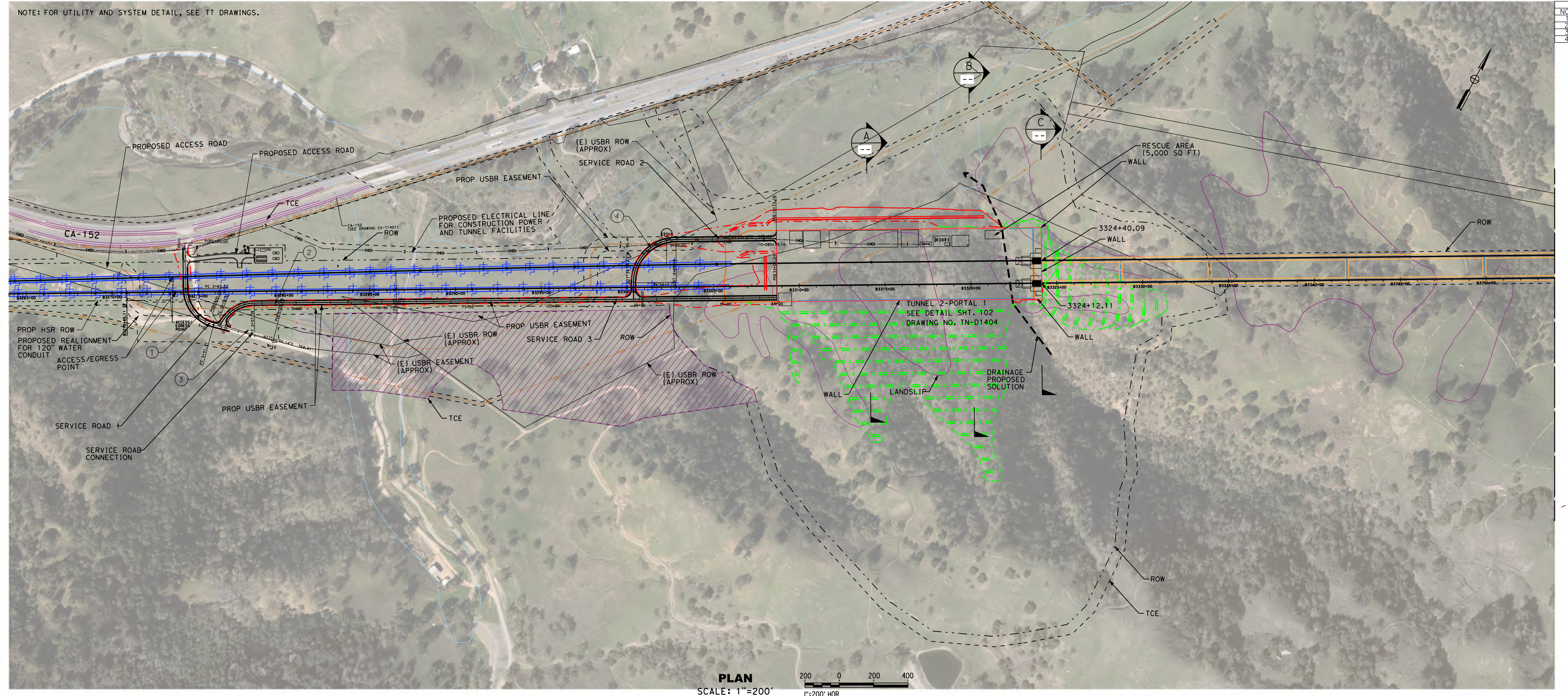


**UPRR CONNECTION TRACK PROFILE**

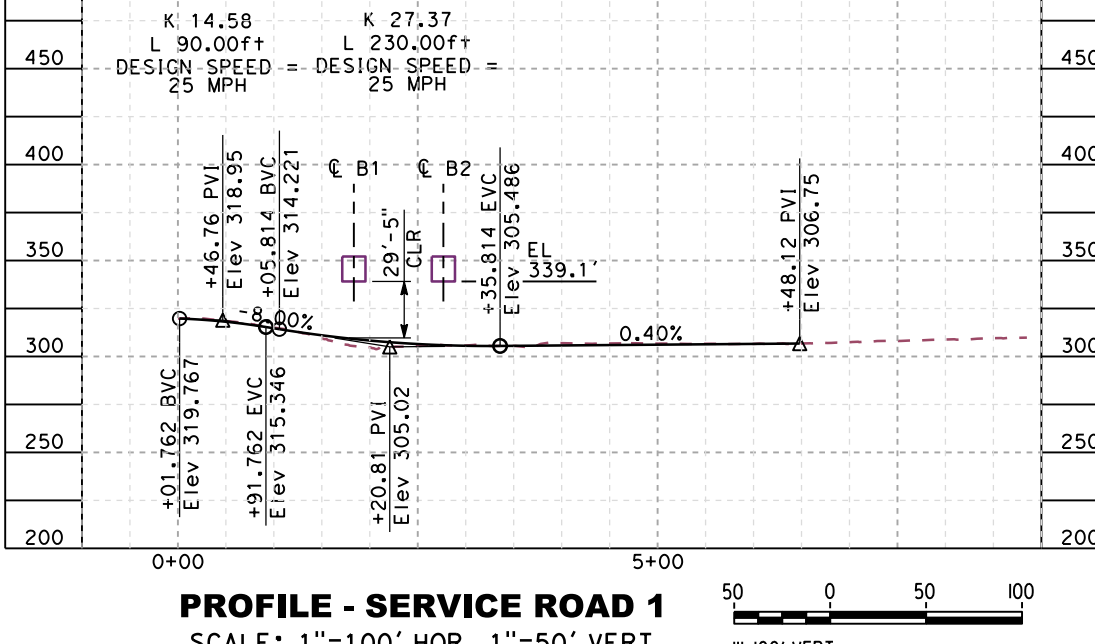
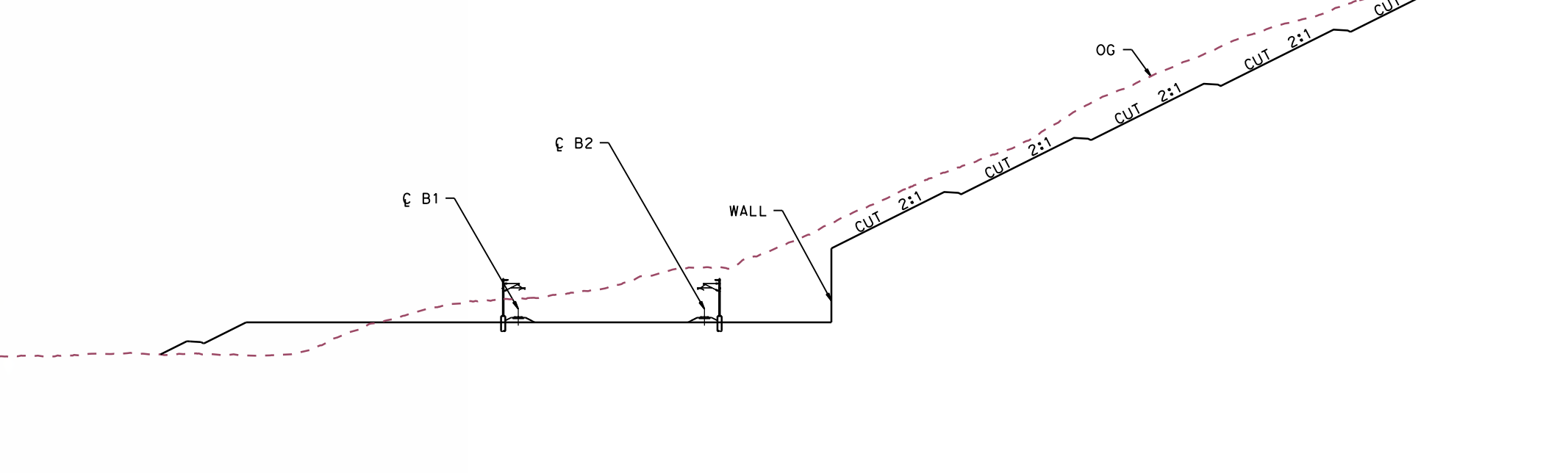
Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Arc	PC	0+00.00	1819765.28	6253056.62						
Arc	PI	0+43.18	1819730.13	6253081.71	949.98	86.3	5°12'18"	Left		
Arc	CC	1820317.23	6253829.81							
Arc	PT	0+86.30	1819697.41	6253109.88						
Tangent	PT	0+86.30	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**

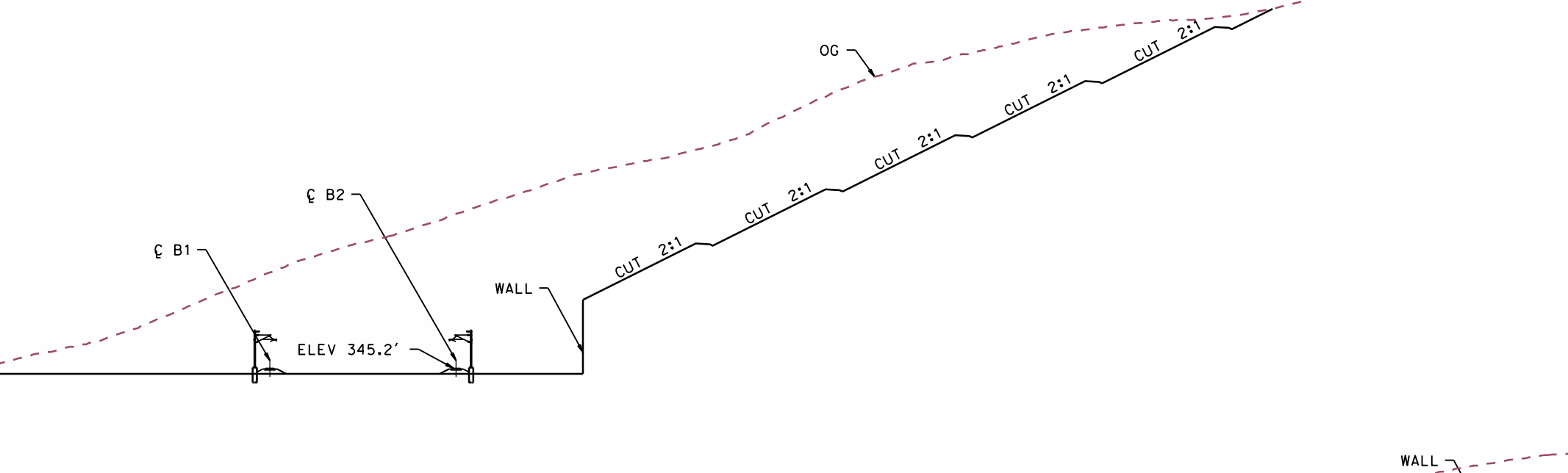
Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
Tangent	ST	15+81.09	1818619.62	6254124.82						
Tangent	TS	17+49.90	1818539.22	6254273.25						
Clothoid	TS	17+49.90	1818539.22	6254273.25						
Clothoid	SPI	18+32.58	1818499.84	6254345.95	124		3°33'08"	Right	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"			



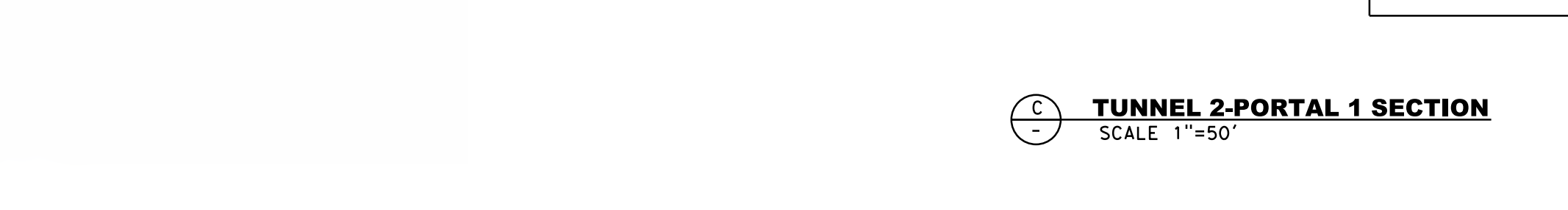
CURVE DATA SERVICE ROAD					
NO.	R	Δ	Δ	PC	PT
1	220	136° 34' 22.20"	524.466	552.688	
2	220	164° 35' 51.56"	176.890	162.014	
3	220	88° 27' 52.46"	141.933	76.151	
4	250	88° 59' 59.55"	392.699	249.999	



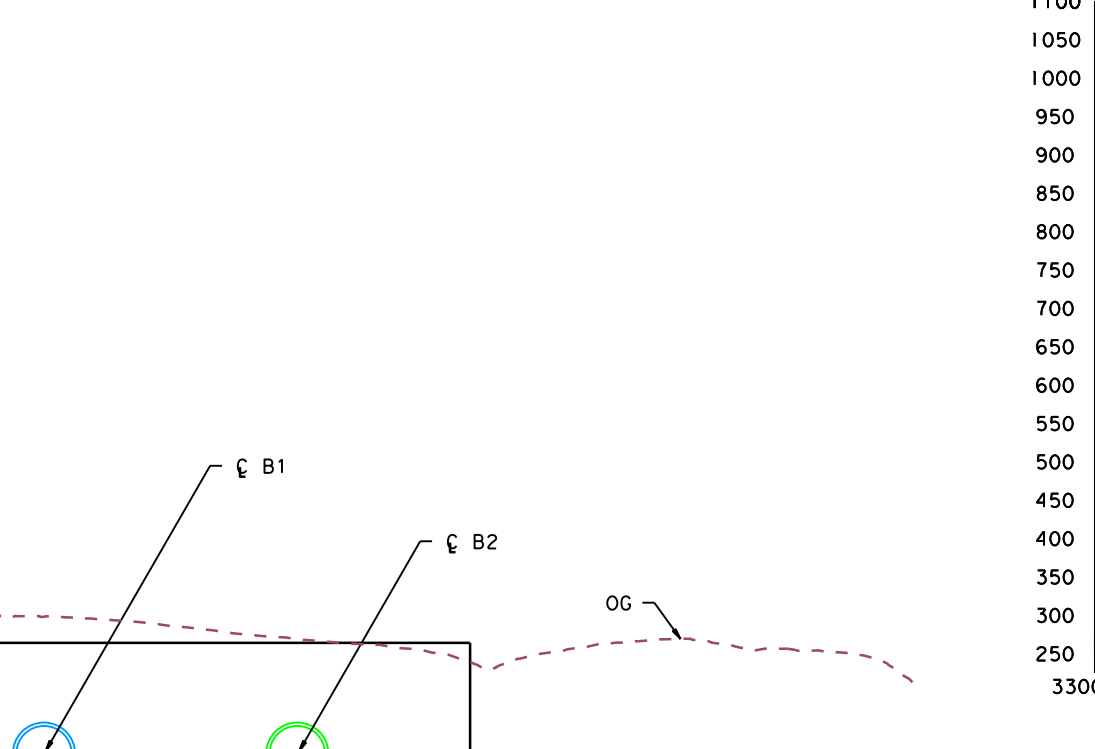
(A) TUNNEL 2-PORTAL 1 SECTION  
SCALE 1"=50'



(B) TUNNEL 2-PORTAL 1 SECTION  
SCALE 1"=50'



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



**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 117 OF 193**

RECORD PERMITS  
MAY 3, 2019  
NOT FOR CONSTRUCTION

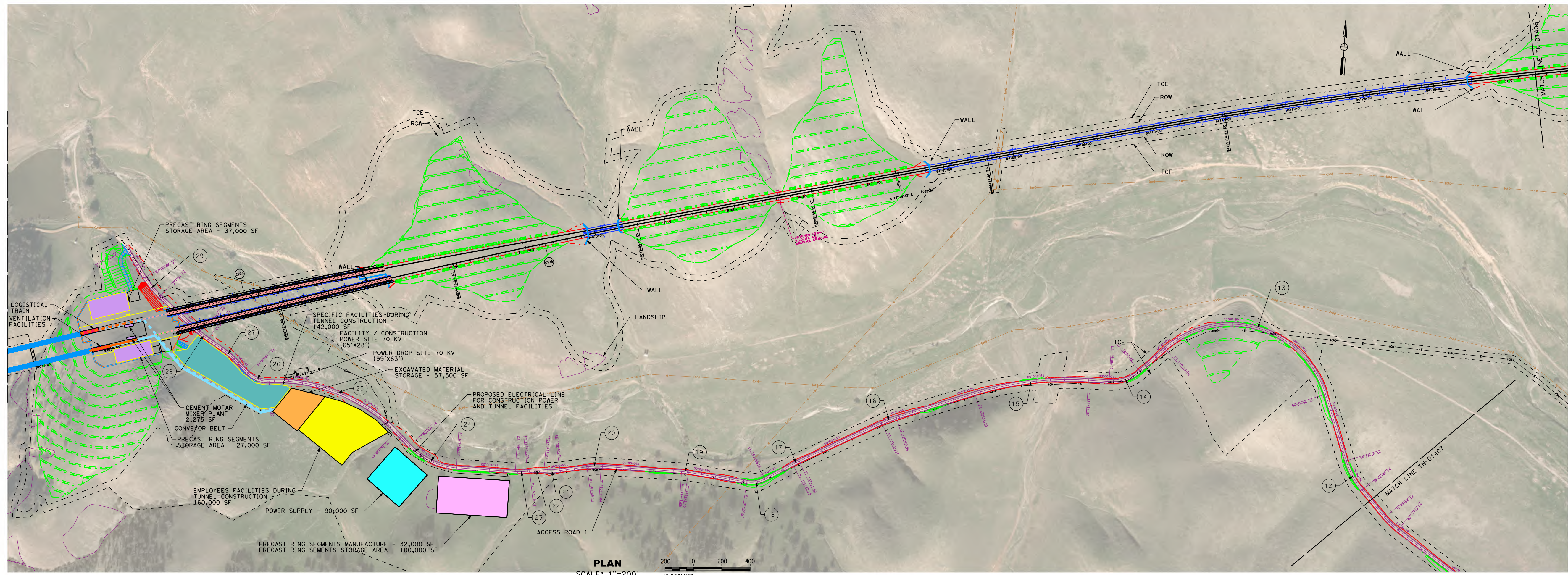
HNTB  
1111 Broadway  
9th Floor  
Oakland, CA 94607

CALIFORNIA  
High-Speed Rail Authority

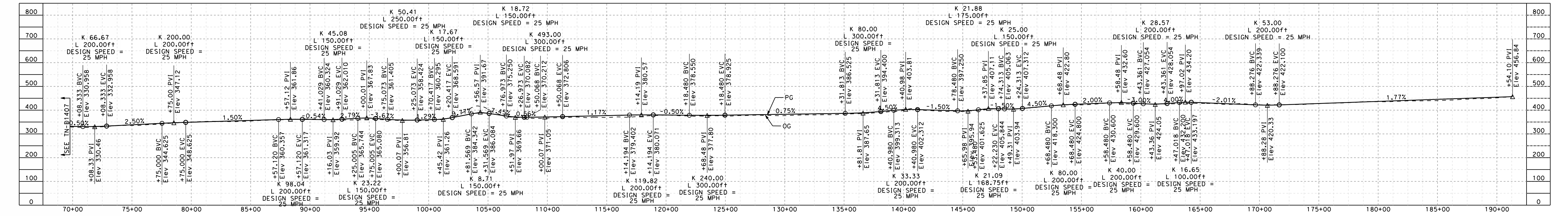
CALIFORNIA HIGH-SPEED TRAIN PROJECT  
SAN JOSE TO MERCED  
PACHECO PASS  
TUNNEL  
TUNNEL 2 - PORTAL 1

CONTRACT NO. HSR15-34  
DRAWING NO. TN-D1404  
SCALE AS SHOWN  
SHEET NO.

2/22/2019 10:33:59 AM C:\proj\hntb\calhsr\115-34\115-34-118.dwg T:\D-1405.dwg  
 2/22/2019 10:33:59 AM C:\proj\hntb\calhsr\115-34\115-34-118.dwg T:\D-1405.dwg  
 2/22/2019 10:33:59 AM C:\proj\hntb\calhsr\115-34\115-34-118.dwg T:\D-1405.dwg



NO.	R	Δ	A	T
1	200	24°10'26.32"	84.383	42.829
2	225	31°00'52.48"	121.794	62.429
3	200	24°51'53.24"	141.955	73.811
4	130	90°1'43.45"	204.269	130.065
5	250	47°42'29.13"	179.222	93.657
6	200	35°23'59.02"	123.549	63.817
7	200	30°12'48.85"	105.465	53.990
8	100	57°17'44.81"	202.813	160.667
9	500	17°56'40.21"	156.395	78.944
10	300	11°32'59.99"	60.476	30.341
11	600	12°42'28.71"	131.681	66.106
12	600	22°29'22.90"	235.512	119.291
13	700	11°42'15.65"	139.223	1078.682
14	300	44°04'23.37"	235.130	229.158
15	2250	20°38'3.81"	810.311	409.592
16	800	7°54'32.18"	110.430	55.303
17	1000	2°56'53.16"	51.457	25.684
18	200	37°11'55.44"	129.848	67.305
19	500	5°42'46.30"	49.854	21.948
20	500	11°28'43.58"	109.171	50.294
21	500	13°2'33.88"	113.819	57.157
22	500	11°50'23.37"	100.413	50.376
23	500	9°56'33.07"	86.755	43.492
24	500	42°48'20.04"	373.549	195.976
25	1160	49°15'53.32"	997.406	531.863
26	200	48°5'25.14"	168.041	89.359
27	600	10°45'46.18"	112.708	56.520
28	600	7°55'26.12"	82.981	41.557
29	600	16°11'57.94"	169.640	85.390



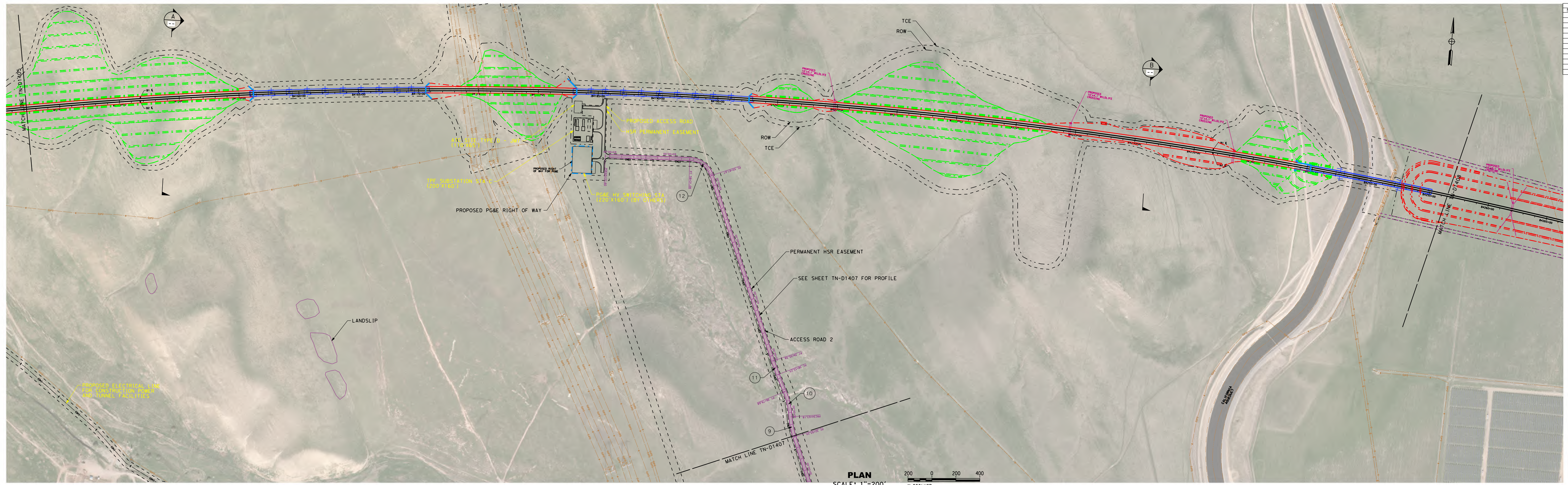
**PROFILE ACCESS ROAD 1**  
 SCALE: 1"=250' HOR, 1"=125' VERT  
 0 125 250  
 1"=125' VERT

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

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 118 OF 193**

RECORD PERM SUBMITTAL <b>MAY 3, 2019</b> NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> PACHECO PASS TUNNEL TUNNEL PORTAL 2 ACCESS ROAD	CONTRACT NO. HSR15-34 DRAWING NO. TN-D-1405 SCALE AS SHOWN SHEET NO.
---	--	--	--	--

5/2/2019 10:54:18 AM C:\Users\jrb\OneDrive\Documents\11825\_Mile\_119-D1406.dgn  
 5/2/2019 10:54:18 AM C:\Users\jrb\OneDrive\Documents\11825\_Mile\_119-D1406.dgn  
 5/2/2019 10:54:18 AM C:\Users\jrb\OneDrive\Documents\11825\_Mile\_119-D1406.dgn



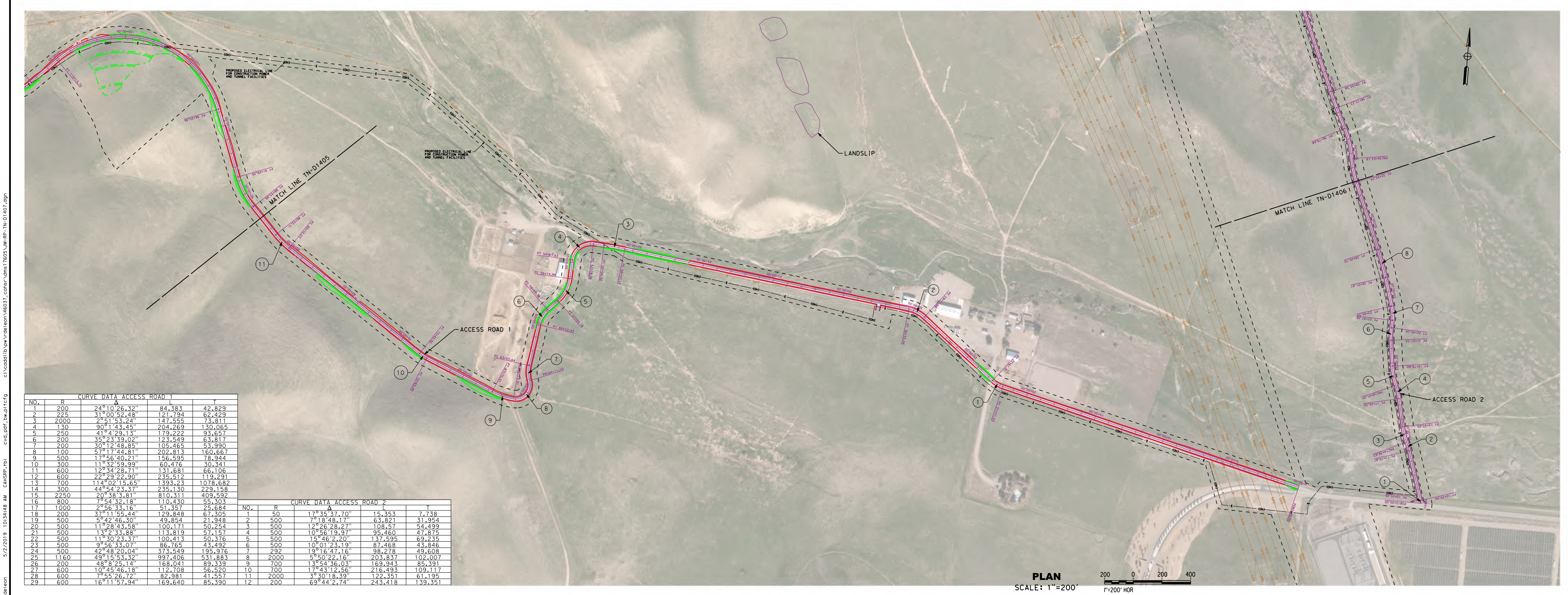
CURVE DATA ACCESS ROAD 2				
NO.	R	Δ	L	T
1	50	17°35'37.70"	15.353	7.738
2	500	7°18'48.17"	63.821	31.954
3	500	12°26'28.27"	108.57	54.499
4	500	10°56'19.97"	95.460	47.875
5	500	15°46'2.20"	137.695	69.235
6	500	10°01'23.13"	87.468	43.846
7	232	19°16'47.16"	98.278	49.608
8	2000	3°50'22.16"	205.837	102.007
9	700	13°54'36.03"	183.943	85.391
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 1**  
**BOOK 1C**  
**SHEET 119 OF 193**

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



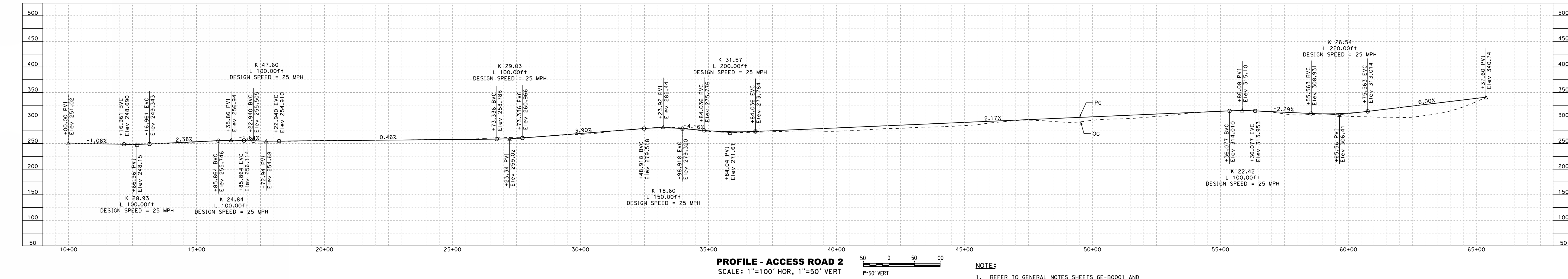


CURVE DATA ACCESS ROAD 1			
NO.	R	Δ	L
1	200	24°10'26.32"	84.383
2	225	31°50'52.48"	121.794
3	2000	2°51'53.24"	147.456
4	130	90°1'43.45"	204.269
5	250	35°23'39.02"	123.549
6	100	30°12'48.85"	105.465
7	100	57°17'44.81"	202.813
8	500	17°56'40.21"	156.939
9	300	11°32'59.99"	60.476
10	600	17°54'28.11"	131.681
11	600	22°29'22.90"	235.512
12	700	114°02'15.65"	1393.23
13	300	48°54'23.37"	235.130
14	2250	2°58'3.81"	810.311
15	800	29°54'32.18"	110.430
16	1000	2°56'33.16"	51.357
17	200	37°11'55.44"	129.848
18	500	5°42'26.30"	49.854
19	500	11°28'43.58"	100.171
20	500	13°2'33.88"	113.819
21	500	11°30'23.37"	100.413
22	500	9°56'33.07"	86.165
23	500	42°48'20.04"	373.649
24	1180	48°15'53.32"	991.406
25	200	48°18'25.14"	188.041
26	600	10°45'46.18"	112.708
27	600	7°53'26.72"	82.381
28	600	16°11'57.94"	169.640

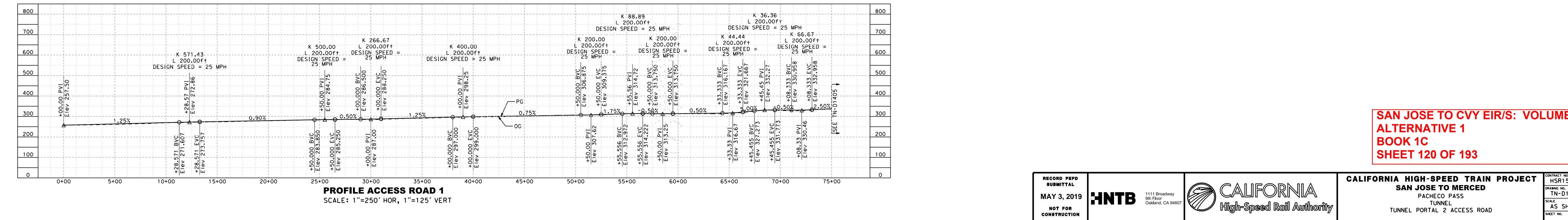
CURVE DATA ACCESS ROAD 2			
NO.	R	Δ	L
1	50	17°35'37.70"	15.353
2	500	7°18'48.17"	63.821
3	500	12°26'28.27"	108.57
4	500	10°56'19.97"	95.460
5	500	15°26'22.20"	137.395
6	500	10°11'23.19"	87.468
7	292	19°16'47.16"	98.278
8	2000	5°50'22.16"	203.837
9	700	13°54'36.03"	169.943
10	700	17°43'12.56"	216.493
11	2000	3°30'18.29"	122.351
12	200	69°24'27.74"	243.318

**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

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 120 OF 193**

RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> PACHECO PASS TUNNEL TUNNEL PORTAL 2 ACCESS ROAD	CONTRACT NO. HSR15-34 DRAWING NO. TN-D1407 SCALE: AS SHOWN SHEET NO.
--	--	---	--	--	---

NOTE:  
REFER TO COMPOSITE DRAWINGS FOR TUNNEL PROFILE  
DETAILS.



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

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 121 OF 193**

RECORD PERMITS  
MAY 3, 2019  
NOT FOR  
CONSTRUCTION

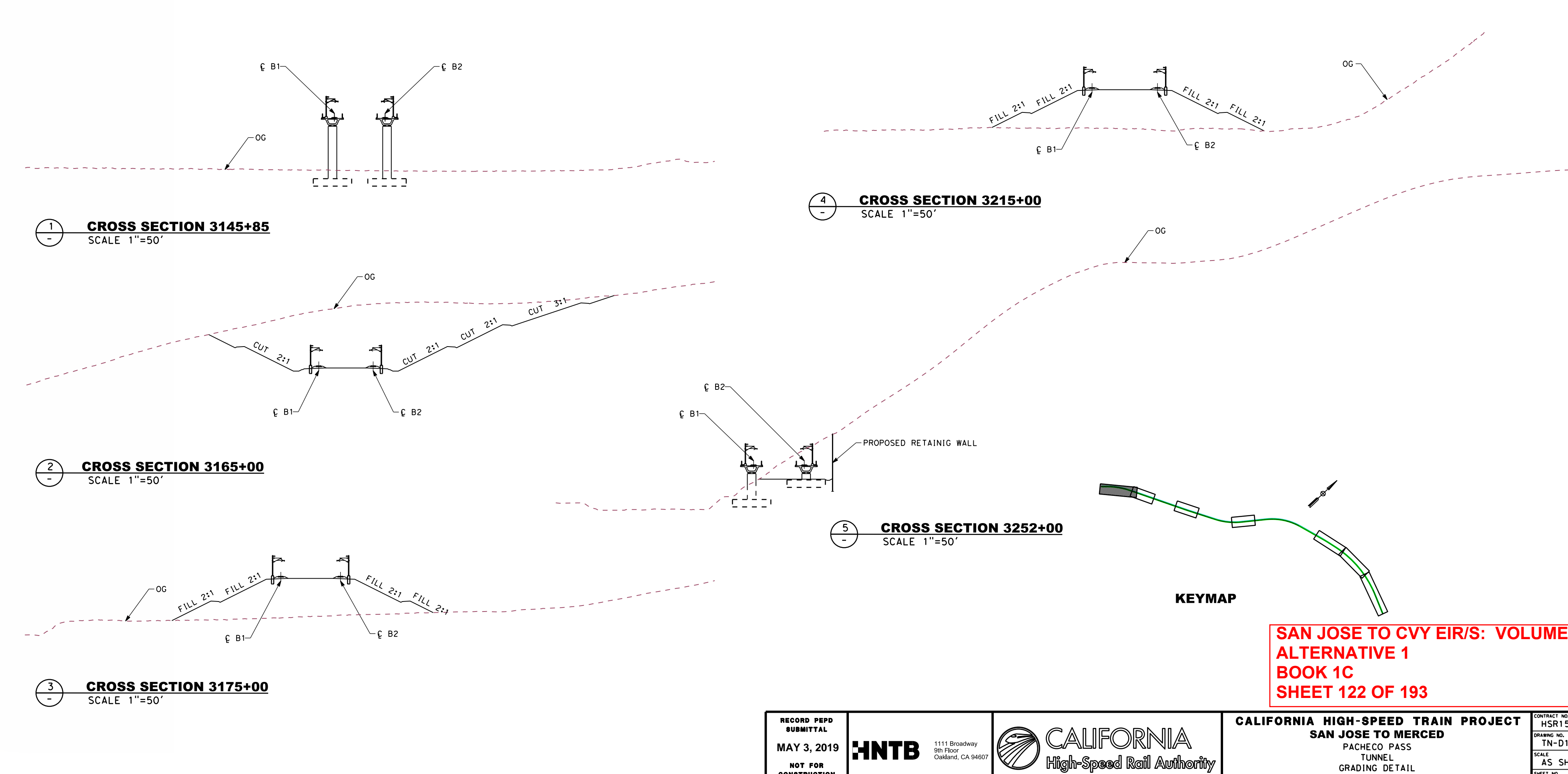
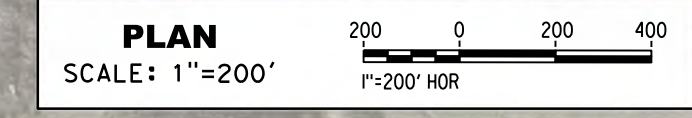
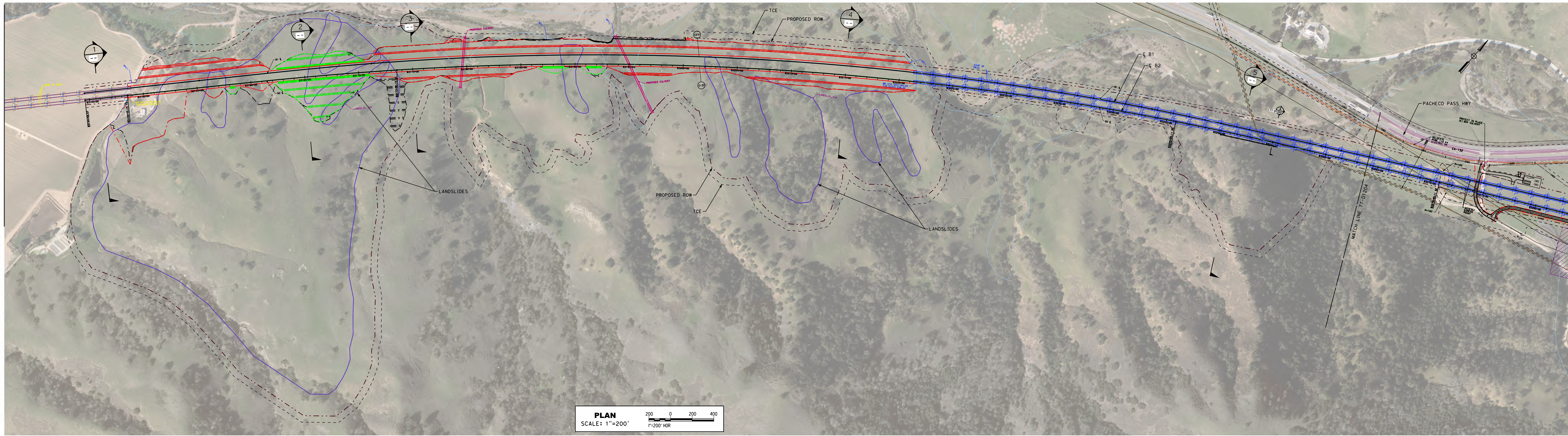


1111 Broadway  
9th Floor  
Oakland, CA 94607



**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.



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

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

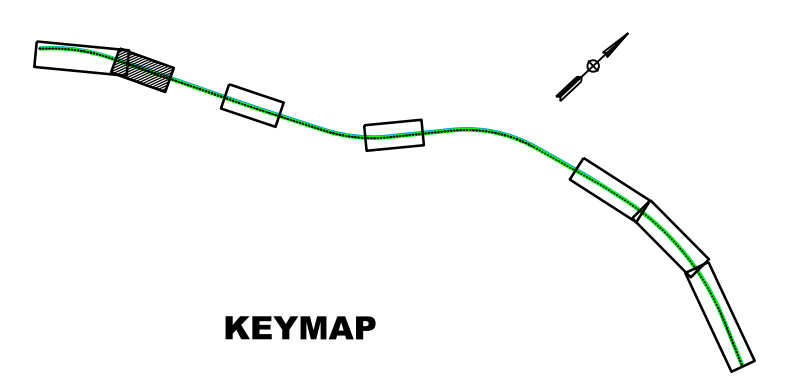
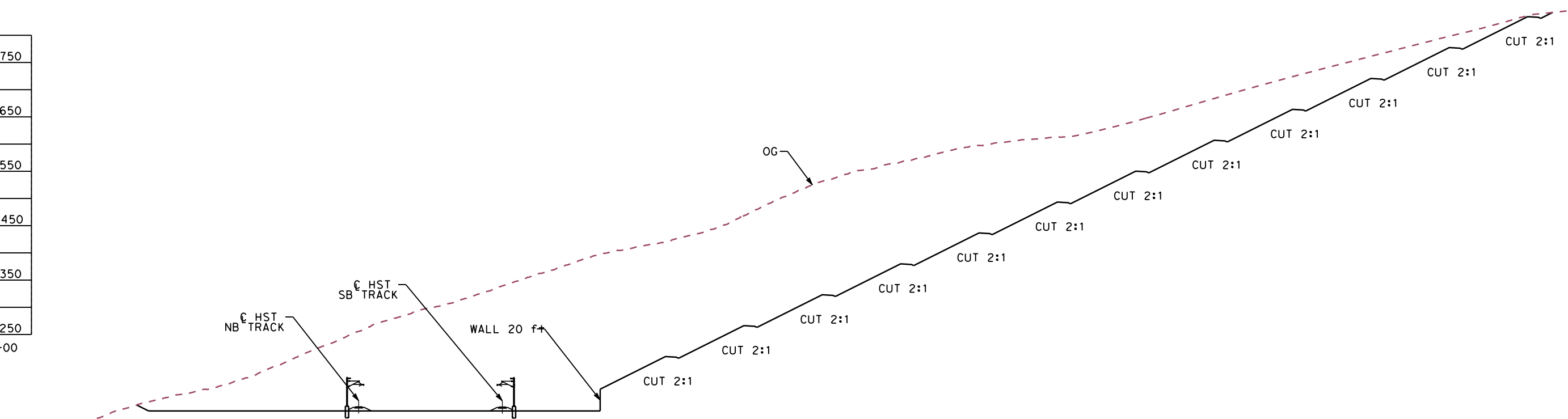
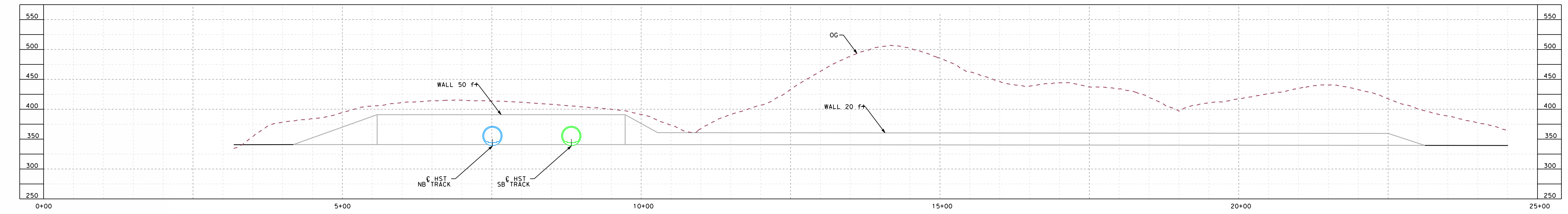
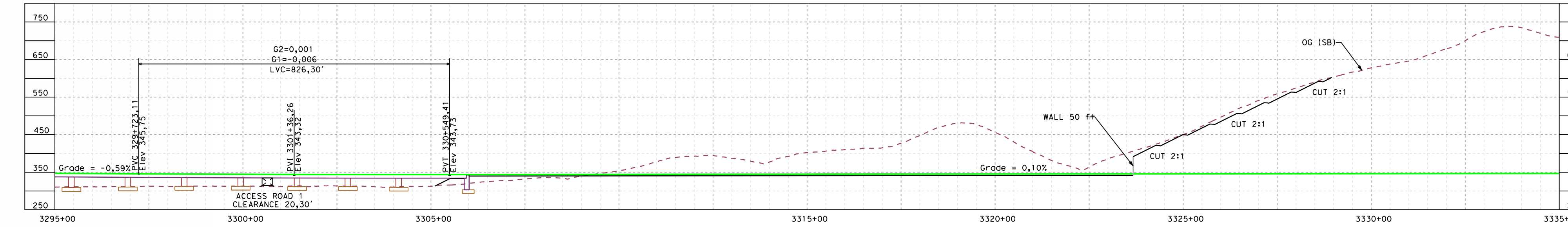
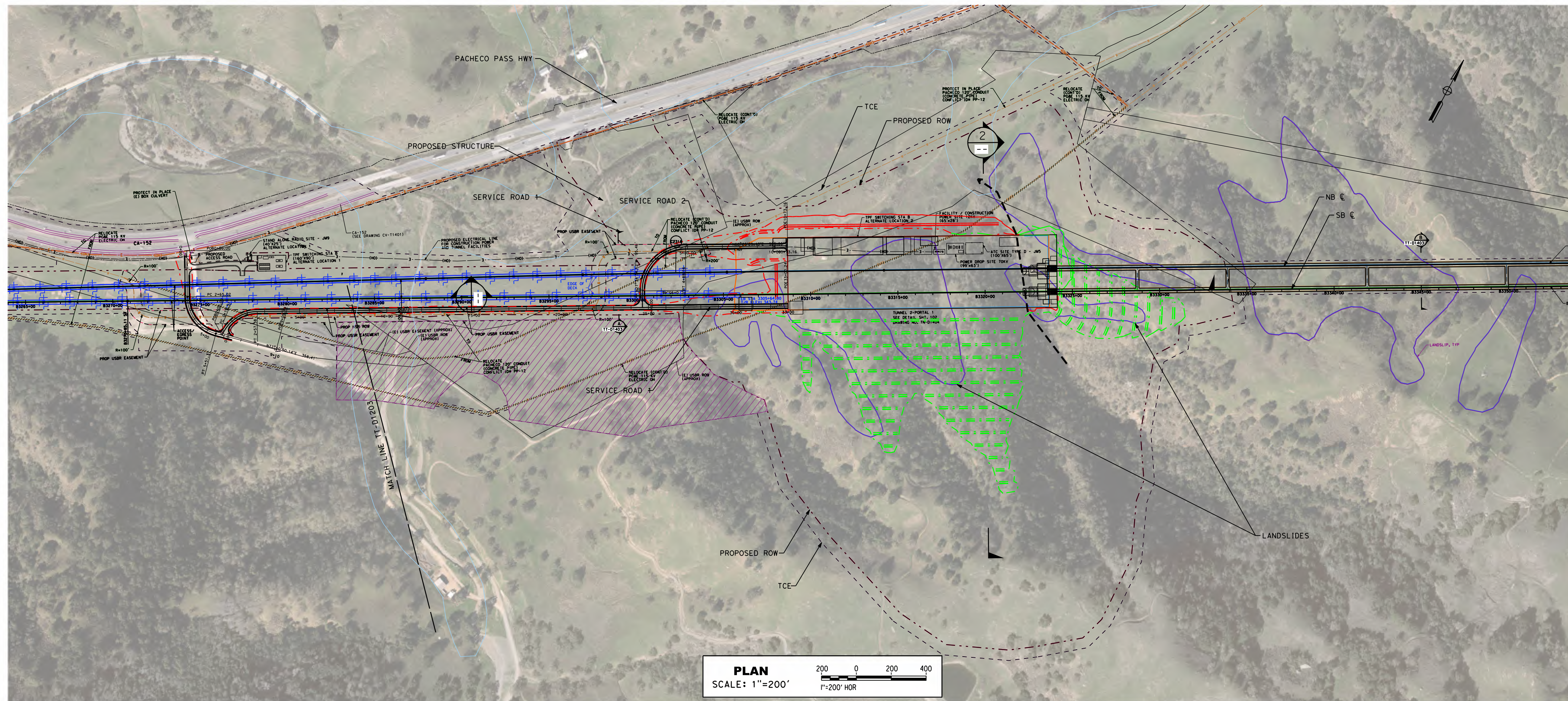
3 CROSS SECTION 3175+00  
SCALE 1"=50'

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

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

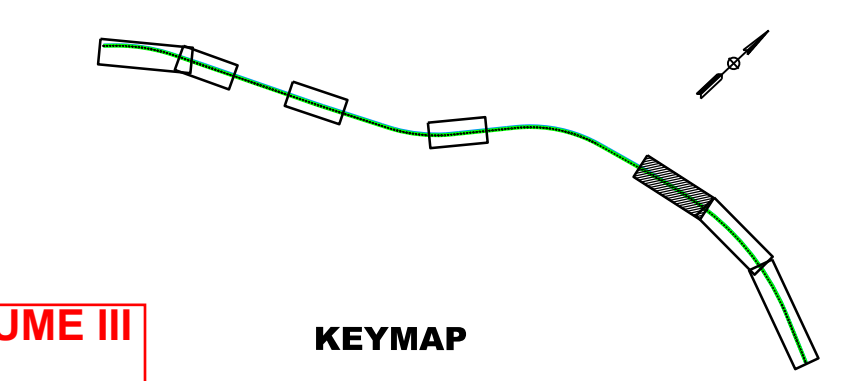
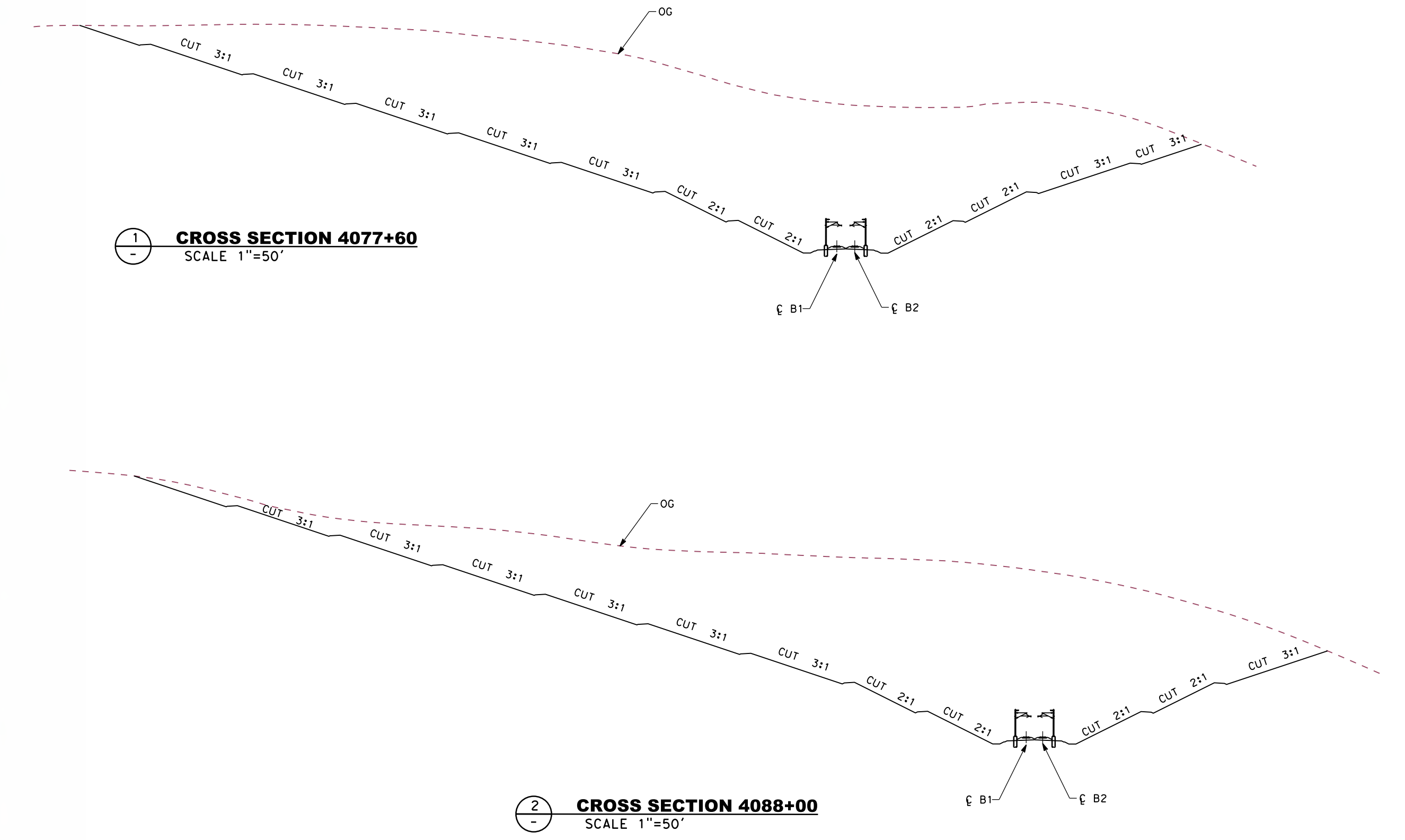
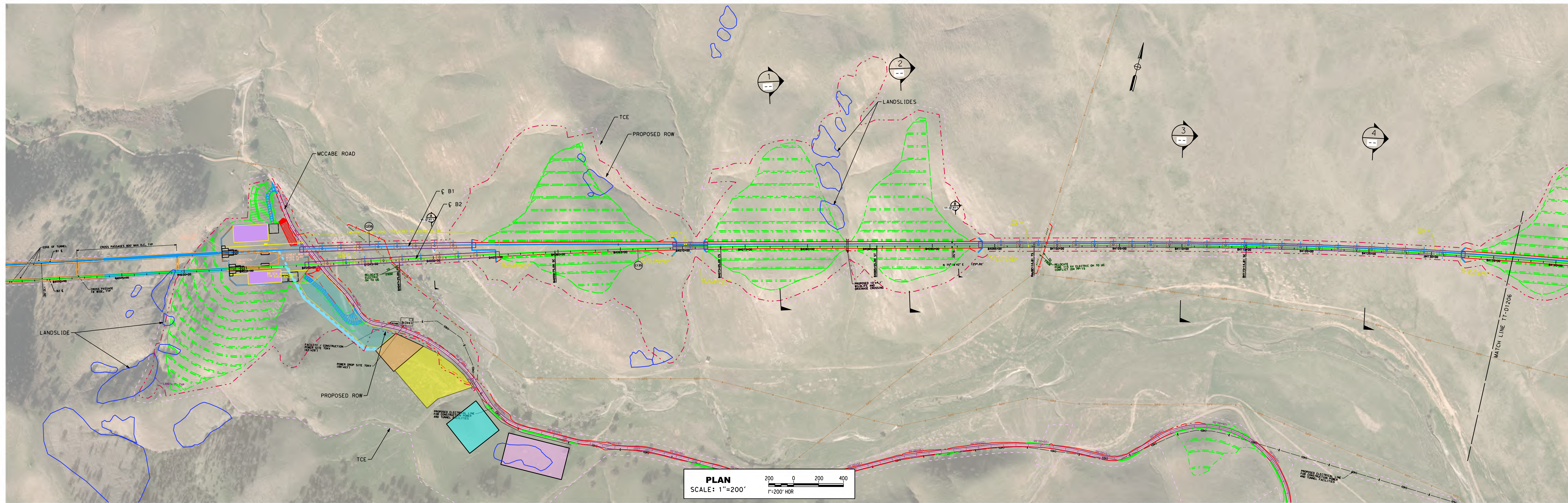
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 122 OF 193**

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



**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 123 OF 193**

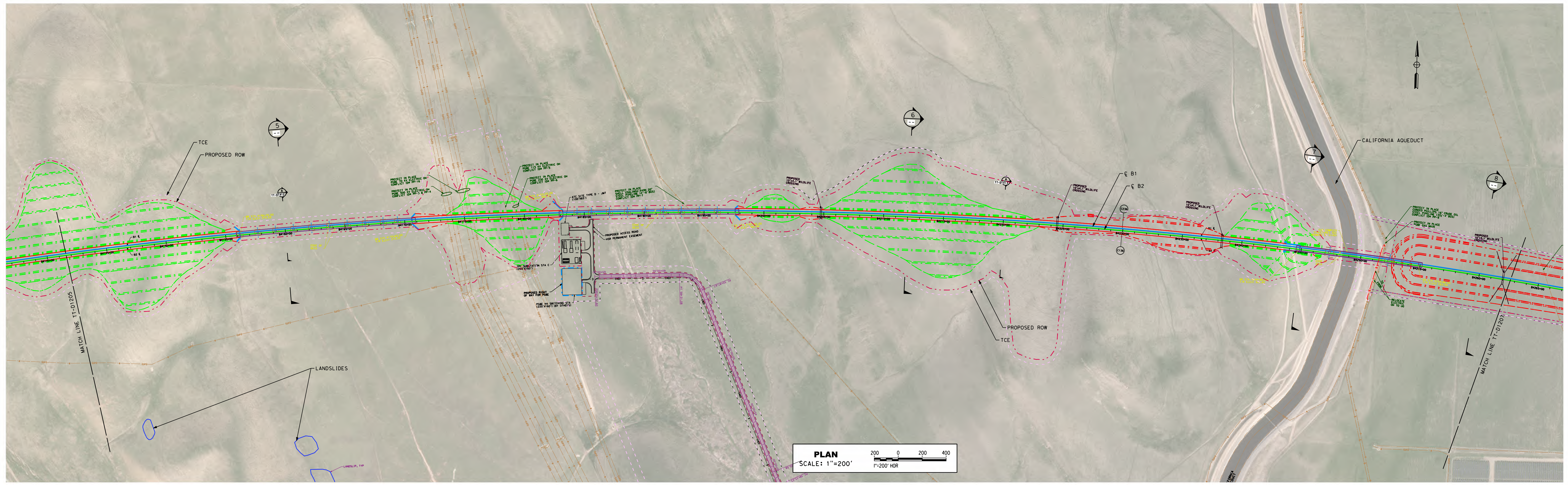
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-35 DRAWING NO. TN-D1410 SCALE AS SHOWN SHEET NO.
--	--	---	--	---	---



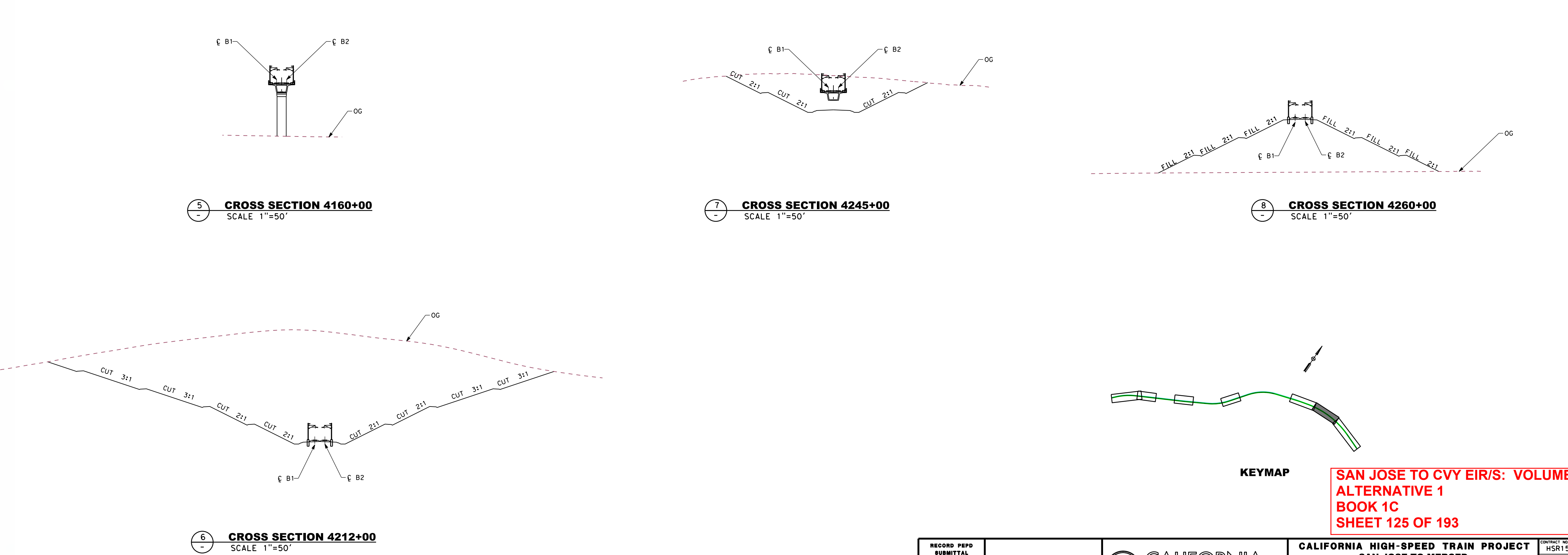
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 124 OF 193**

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

2/2/2019 10:42:13 AM c:\p02\19\1042423\191042423.dwg c:\p02\19\1042423\191042423.dwg



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



**5**  
-  
**CROSS SECTION 4160+00**  
SCALE 1"=50'

**7**  
-  
**CROSS SECTION 4245+00**  
SCALE 1"=50'

**8**  
-  
**CROSS SECTION 4260+00**  
SCALE 1"=50'

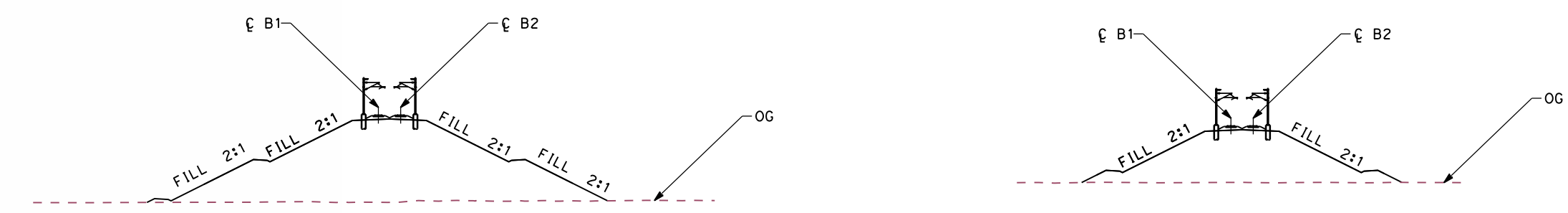
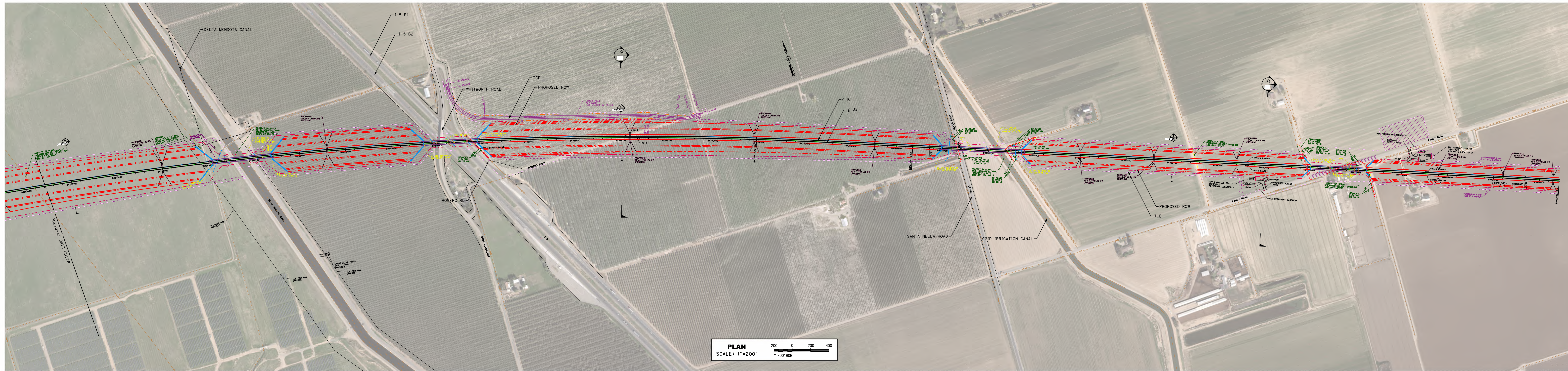
**6**  
-  
**CROSS SECTION 4212+00**  
SCALE 1"=50'

**KEYMAP**

**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 125 OF 193**

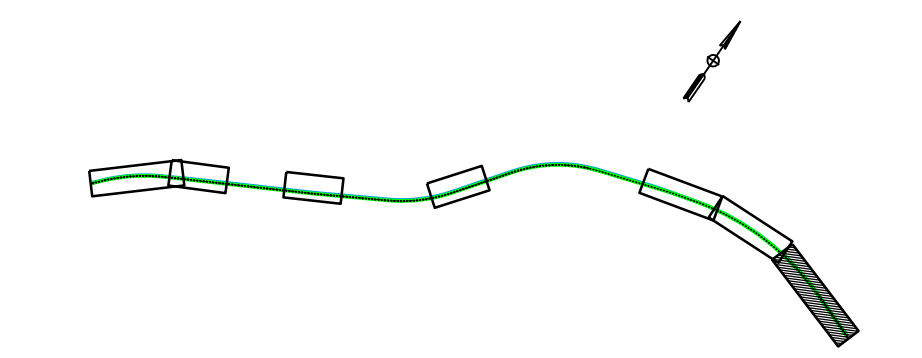
RECORD PERM SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	<b>HNTB</b> 1111 Broadway 9th Floor Oakland, CA 94607	<b>CALIFORNIA</b> High-Speed Rail Authority	<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> SAN JOSE TO MERCED PACHECO PASS TUNNEL GRADING DETAIL	CONTRACT NO. HSR15-37 DRAWING NO. TN-D1412 SCALE AS SHOWN SHEET NO.
--	--	--	--	---

5/2/2019 10:42:59 AM c:\p\proj\hntb\p11413\g...  
 C:\Users\hntb\p11413\g...  
 5/2/2019 10:42:59 AM c:\p\proj\hntb\p11413\g...

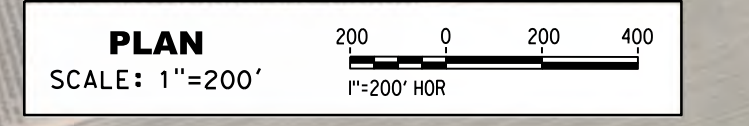


9 CROSS SECTION 4330+00  
SCALE 1"=50'

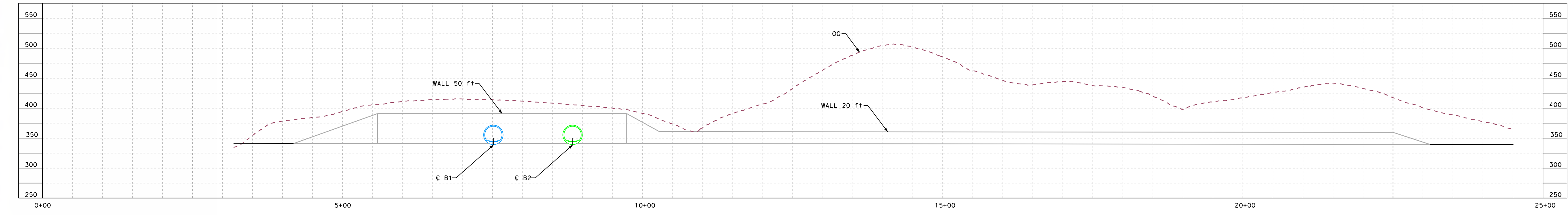
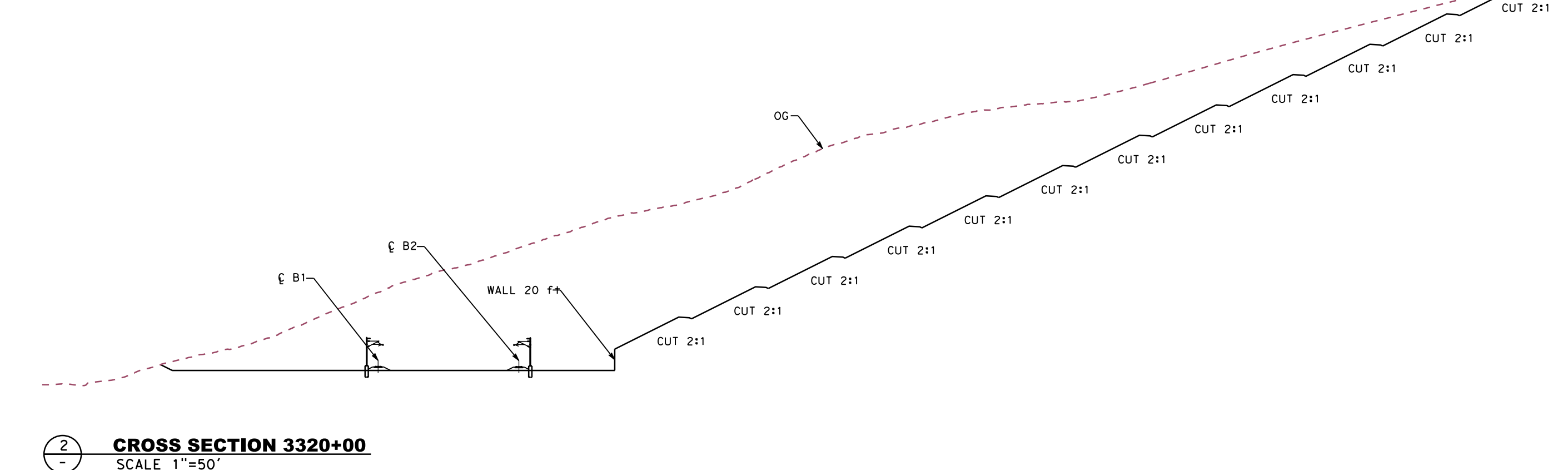
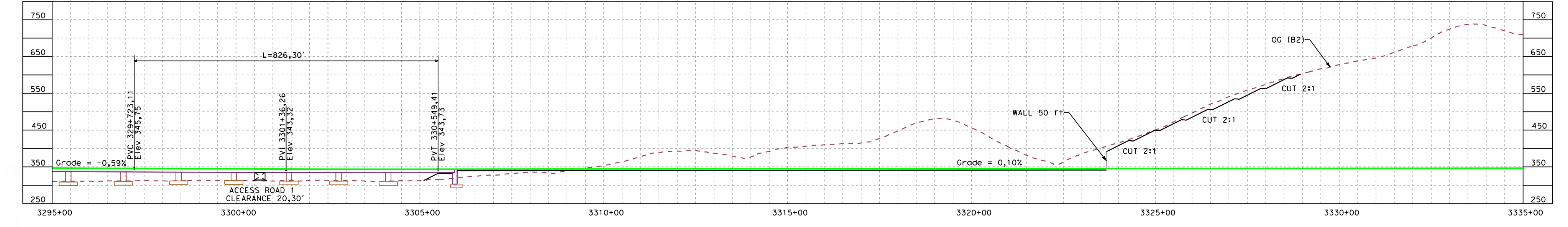
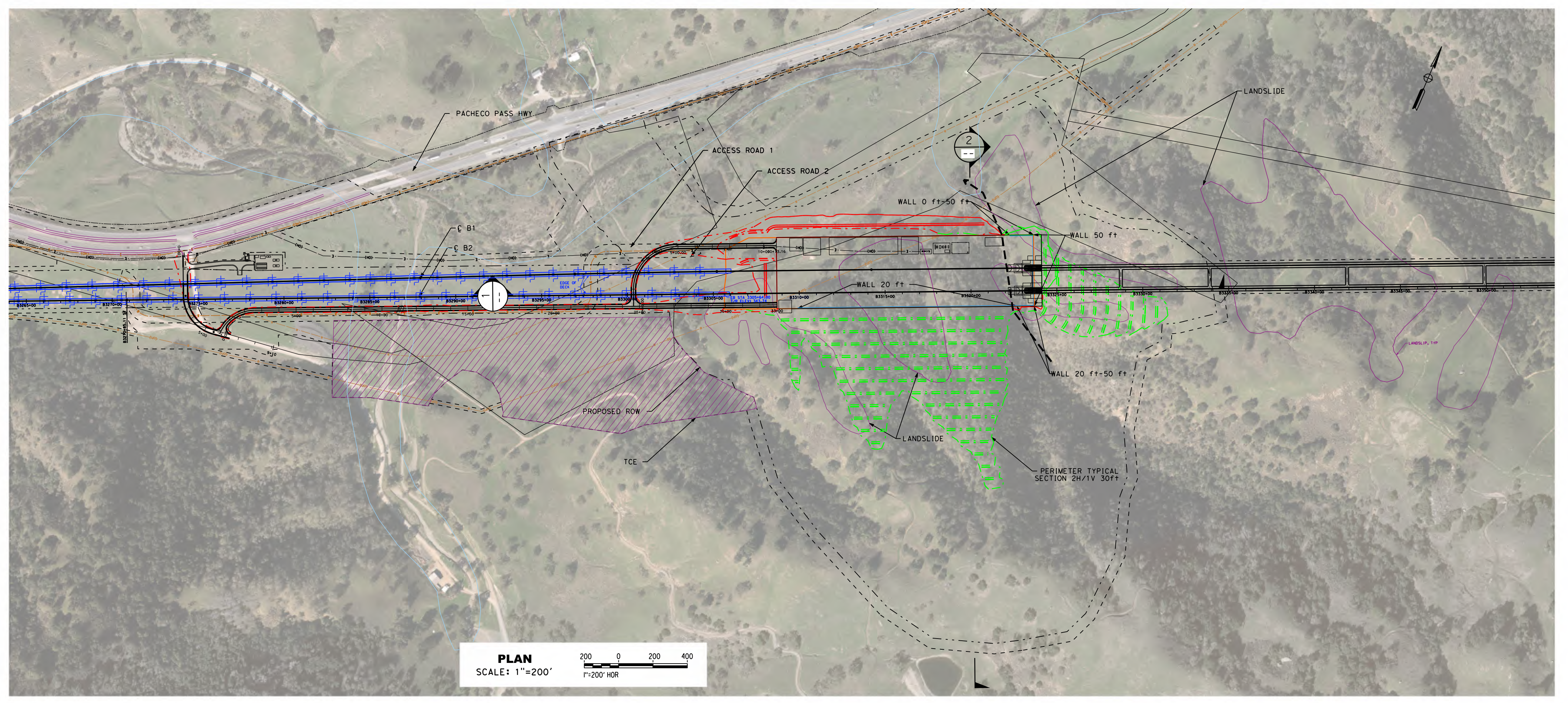
10 CROSS SECTION 4400+00  
SCALE 1"=50'



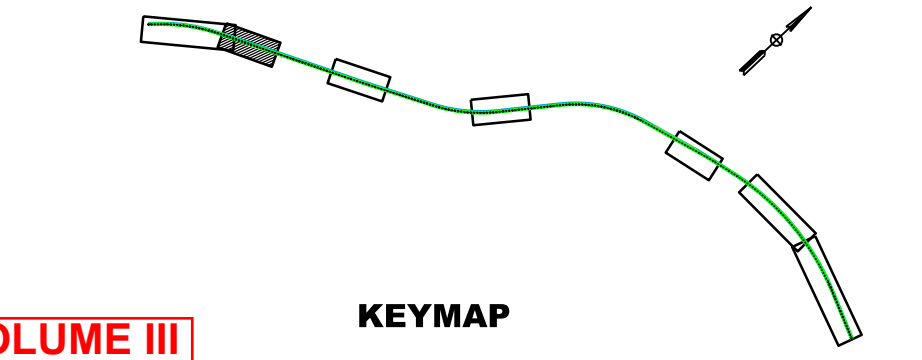
SAN JOSE TO CVY EIR/S: VOLUME III  
 ALTERNATIVE 1  
 BOOK 1C  
 SHEET 126 OF 193



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



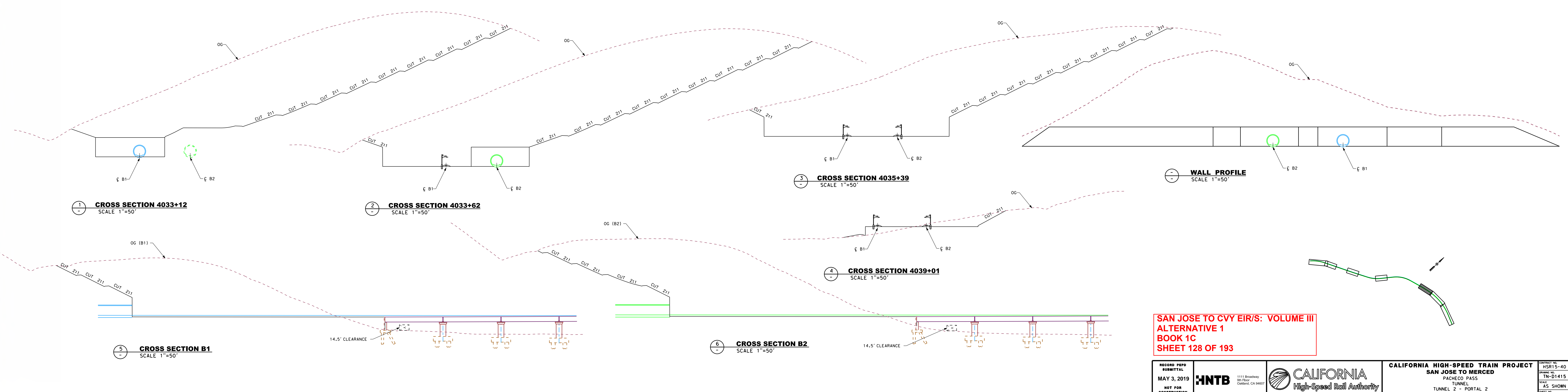
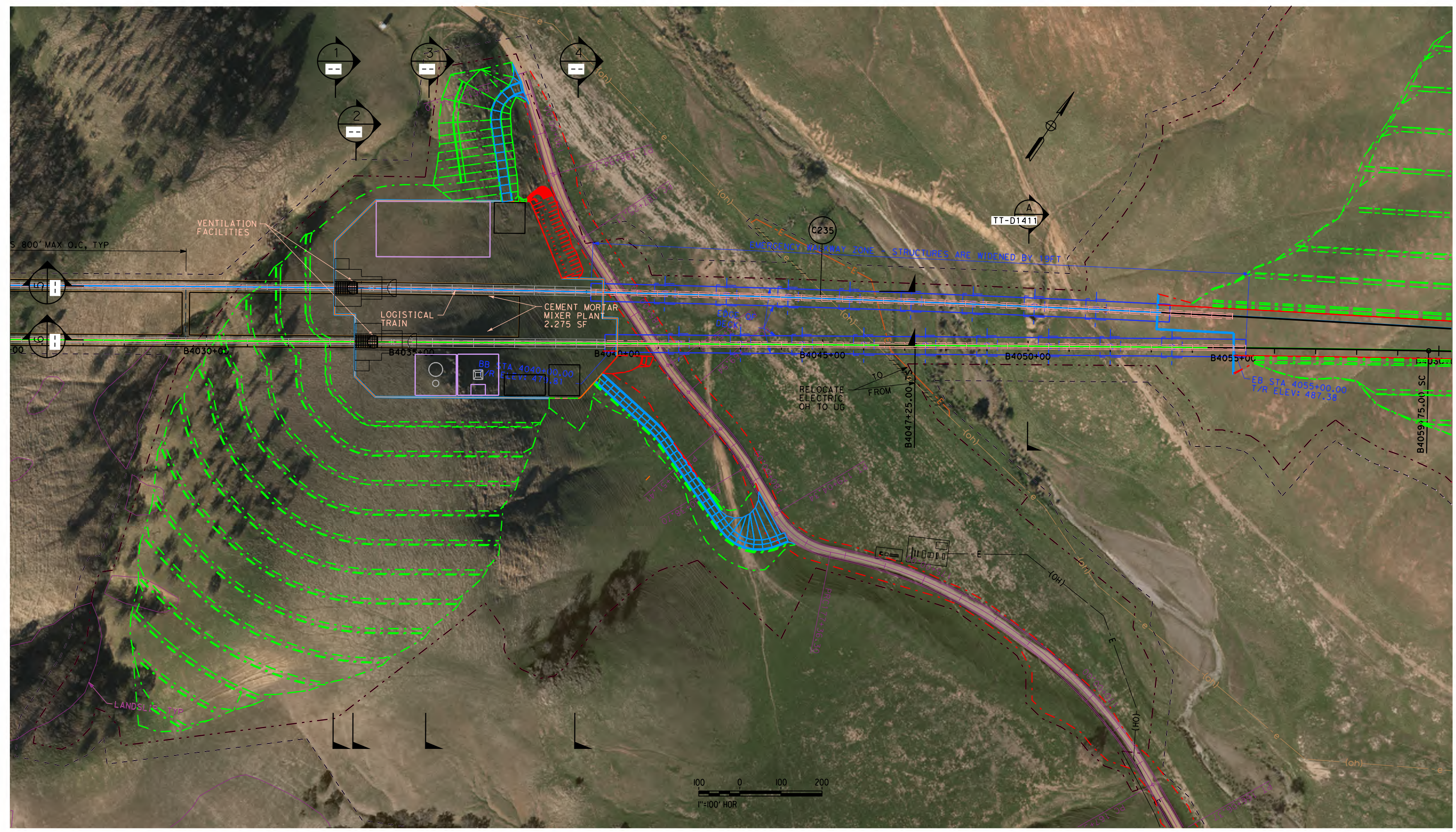
**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 127 OF 193**



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



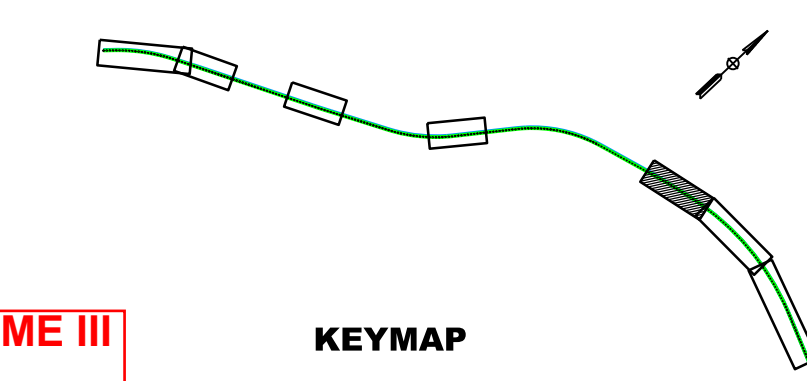
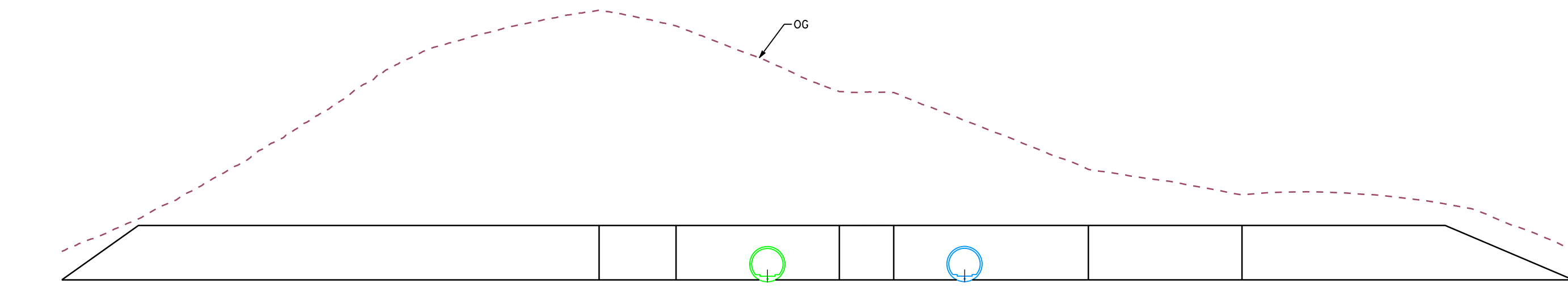
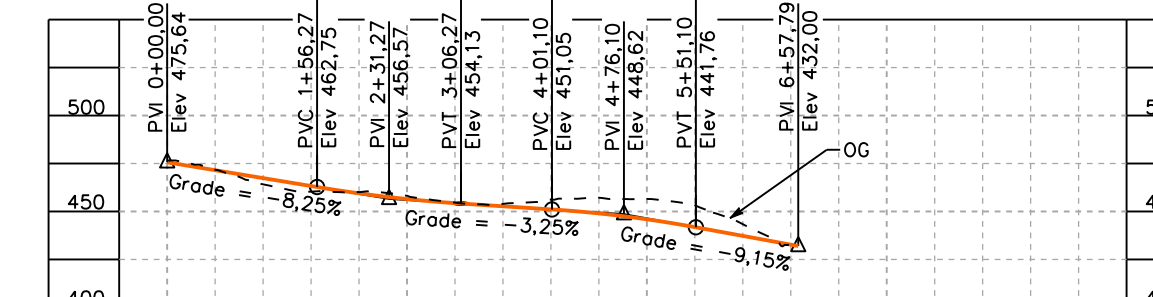
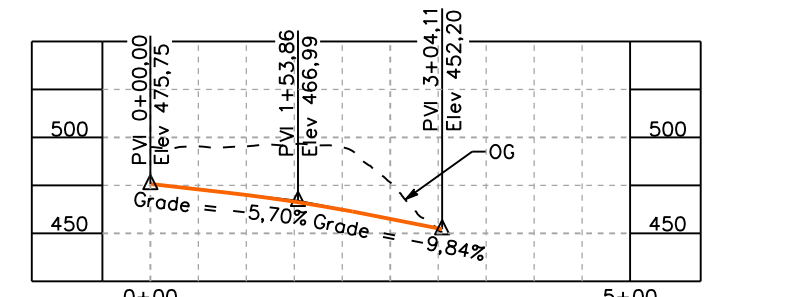
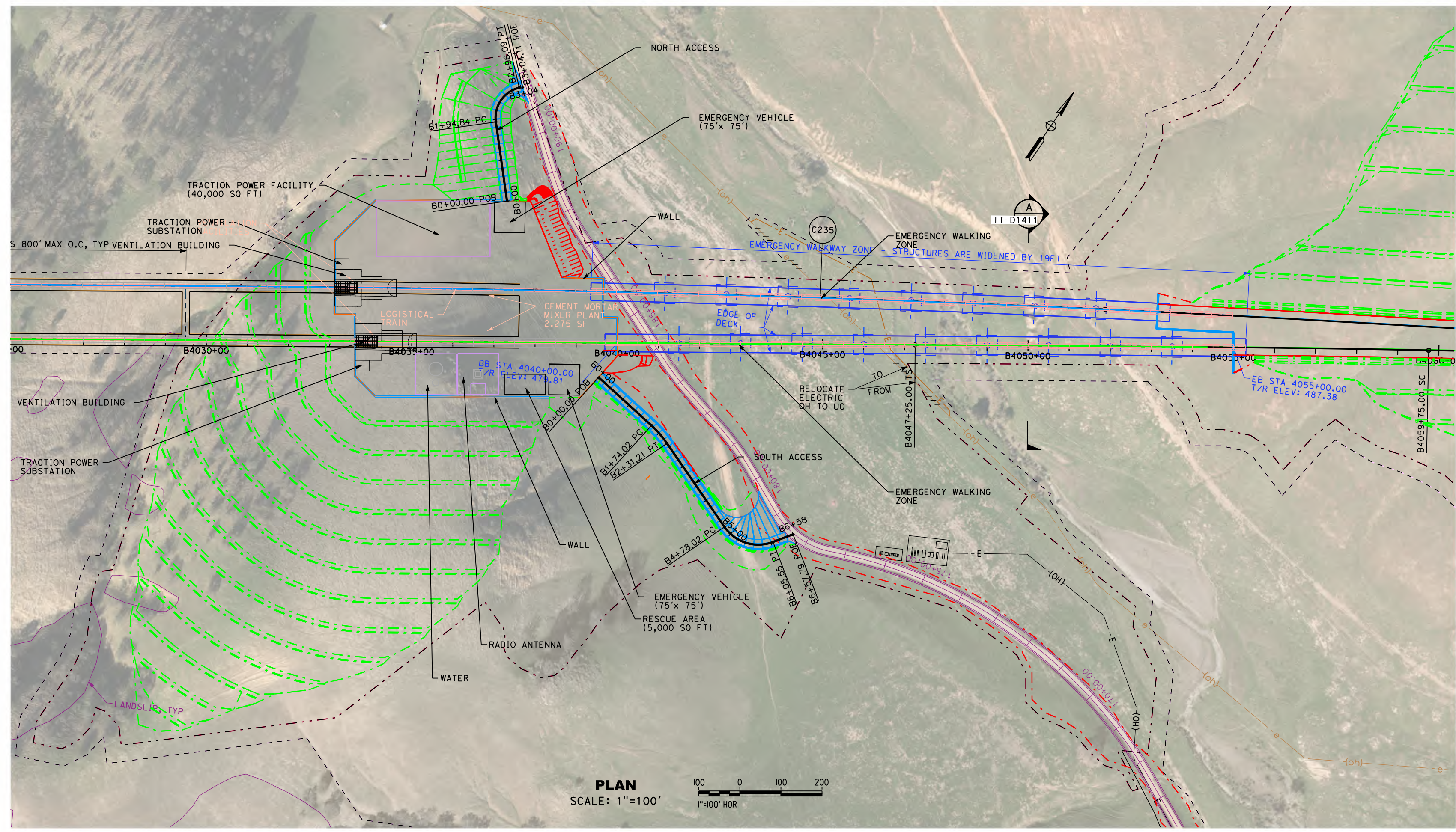
5/2/2019 10:55:19 AM C:\Users\jrb\OneDrive\Documents\2019\TND1415\Book 1C\Book 1C.dwg  
 2/2/2019 10:55:19 AM C:\Users\jrb\OneDrive\Documents\2019\TND1415\Book 1C.dwg  
 5/2/2019 10:55:19 AM C:\Users\jrb\OneDrive\Documents\2019\TND1415\Book 1C.dwg



**SAN JOSE TO CVY EIR/S: VOLUME III**  
**ALTERNATIVE 1**  
**BOOK 1C**  
**SHEET 128 OF 193**

RECORD PEPP SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>SAN JOSE TO MERCED</b> 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 10:52:28 AM calhsr.tbl calhsr.ctb c:\users\lrb\appdata\local\temp\46037\comuser\calhsr\2017\alt198\110-3116.dgn



**SAN JOSE TO CVY EIR/S: VOLUME III  
ALTERNATIVE 1  
BOOK 1C  
SHEET 129 OF 193**

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