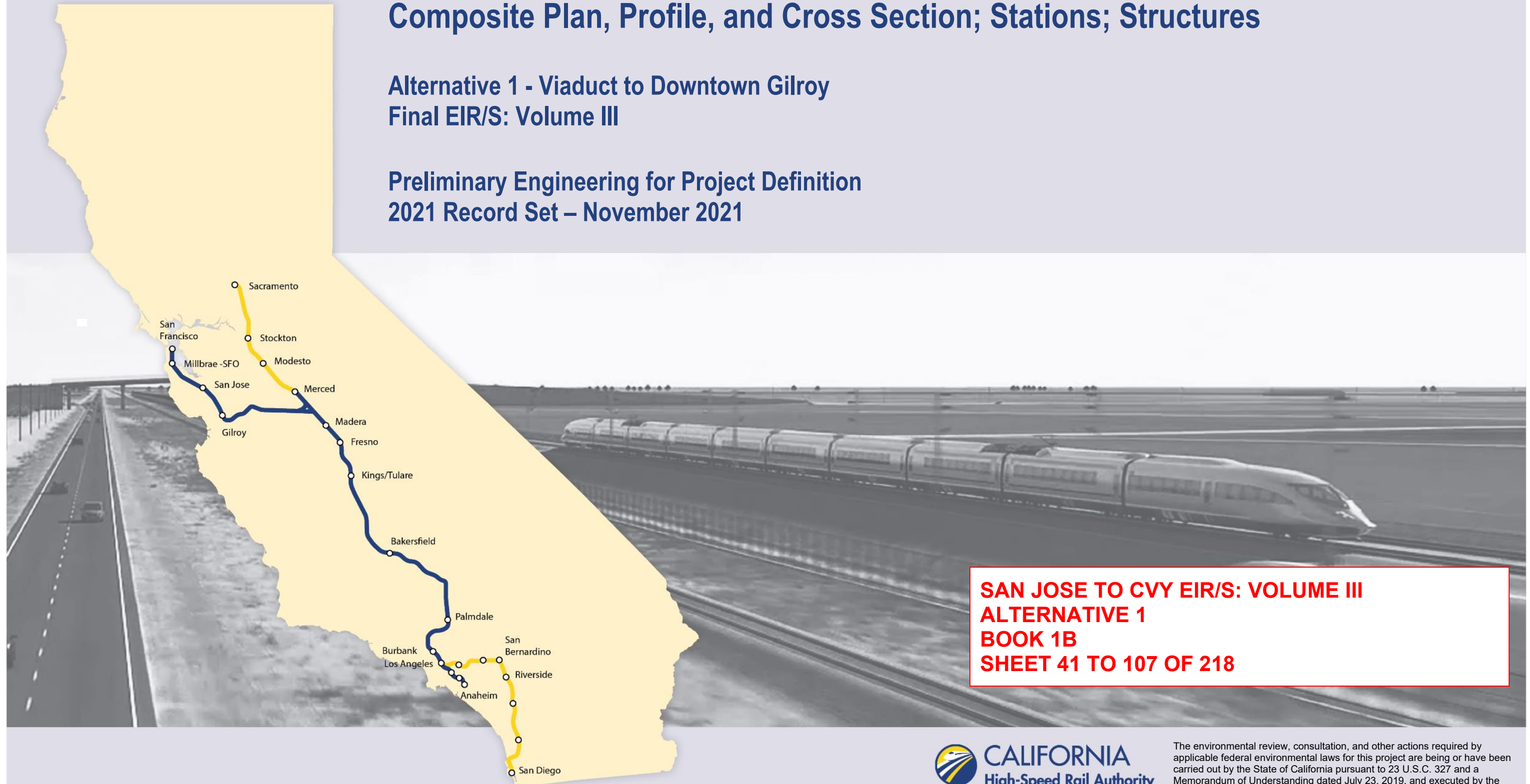


San Jose to Merced Project Section: San Jose to Central Valley Wye

Composite Plan, Profile, and Cross Section; Stations; Structures

Alternative 1 - Viaduct to Downtown Gilroy
Final EIR/S: Volume III

Preliminary Engineering for Project Definition
2021 Record Set – November 2021



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 41 TO 107 OF 218**

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 1B	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 1	
BOOK 1B	B	GE-A0102	PACHECO PASS, SAN JOAQUIN VALLEY	SR 152 TO CARLUCCI ROAD	INDEX OF DRAWING	SHEET 2 OF 7	
BOOK 1B	C	GE-A0103	SAN JOSE DIRIDON STATION APPROACH, MORGAN HILL AND GILROY	STATIONS, COMPLEX STRUCTURES	INDEX OF DRAWING	SHEET 3 OF 7	
BOOK 1B	D	GE-D0101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 1B	E	GE-D0102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	

COMPOSITE PLANS

PACHECO PASS

BOOK 1B	41	TT-D1401	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B2362+00 TO B3205+00
BOOK 1B	42	TT-D1402	PACHECO PASS	SERVICE ROAD 1	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3205+00 TO B3295+00
BOOK 1B	43	TT-D1403	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3295+00 TO B3385+00
BOOK 1B	44	TT-D1404	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3385+00 TO B3475+00
BOOK 1B	45	TT-D1405	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3475+00 TO B3565+00
BOOK 1B	46	TT-D1405A	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3475+00 TO B3565+00 - TUNNEL DESIGN VARIANT
BOOK 1B	47	TT-D1406	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3565+00 TO B3655+00
BOOK 1B	48	TT-D1407	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3655+00 TO B3745+00
BOOK 1B	49	TT-D1407A	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3655+00 TO B3745+00 - TUNNEL DESIGN VARIANT
BOOK 1B	50	TT-D1408	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3745+00 TO B3835+00
BOOK 1B	51	TT-D1408A	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3745+00 TO B3835+00 - TUNNEL DESIGN VARIANT
BOOK 1B	52	TT-D1409	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3835+00 TO B3923+00
BOOK 1B	53	TT-D1410	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3923+00 TO B4014+00
BOOK 1B	54	TT-D1411	PACHECO PASS	MCCABE RD	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4014+00 TO B4105+00
BOOK 1B	55	TT-D1412	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4105+00 TO B4196+00
BOOK 1B	56	TT-D1413	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4196+00 TO B4287+00
BOOK 1B	57	TT-D1414	PACHECO PASS	ROMERO RD N, SR 33	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4287+00 TO B4372+00

SAN JOAQUIN VALLEY

BOOK 1B	58	TT-D1601	SAN JOAQUIN VALLEY	FAHEY RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4372+00 TO B4445+00
BOOK 1B	59	TT-D1602	SAN JOAQUIN VALLEY	CCID MAIN CANAL	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4445+00 TO B4533+00
BOOK 1B	60	TT-D1603	SAN JOAQUIN VALLEY	INGOMAR GRADE RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4533+00 TO B4614+00
BOOK 1B	61	TT-D1604	SAN JOAQUIN VALLEY	VOLTA RD, HENRY MILLER RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4614+00 TO B4686+00
BOOK 1B	62	TT-D1605	SAN JOAQUIN VALLEY	MONROE AVE	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4686+00 TO B4758+00
BOOK 1B	63	TT-D1606	SAN JOAQUIN VALLEY	BADGER FLAT RD, NANTES AVE	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4758+00 TO B4846+00
BOOK 1B	64	TT-D1607	SAN JOAQUIN VALLEY	SR-165, SANTA FE GRADE	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4846+00 TO B4932+00
BOOK 1B	65	TT-D1608	SAN JOAQUIN VALLEY	N/A	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4932+00 TO B5020+00
BOOK 1B	66	TT-D1609	SAN JOAQUIN VALLEY	BAKER RD, DELTA RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5020+00 TO B5109+00
BOOK 1B	67	TT-D1610	SAN JOAQUIN VALLEY	MIDWAY RD, BOX CAR RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5109+00 TO B5193+00
BOOK 1B	68	TT-D1611	SAN JOAQUIN VALLEY	TURNER ISLAND RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5193+00 TO B5282+00
BOOK 1B	69	TT-D1612	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5282+00 TO B5366+28.52
BOOK 1B	70	TT-Y1601	SAN JOAQUIN VALLEY	N/A	HENRY MILLER ROAD	PROJECT BOUNDARY DETAILS	
BOOK 1B	71	TT-Y1602	SAN JOAQUIN VALLEY	N/A	HENRY MILLER ROAD	PROJECT BOUNDARY DETAILS	

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

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IN CHARGE	
DATE	

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



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 1
INDEX OF DRAWING
SHEET 2 OF 7

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0102
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
STATIONS							
BOOK 1B	72	AR-C0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	GENERAL SITE PLAN
BOOK 1B	73	AR-C0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN
BOOK 1B	74	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK 1B	75	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	SECTION
BOOK 1B	76	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1
BOOK 1B	77	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2
BOOK 1B	78	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	79	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	80	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	81	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	82	AR-C0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	GENERAL SITE PLAN
BOOK 1B	83	AR-C0902	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	DETAILED SITE PLAN
BOOK 1B	84	AR-F0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	CONCOURSE PLAN
BOOK 1B	85	AR-Y0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	SECTION
BOOK 1B	86	AR-Y0902	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	MASSING DIAGRAM 1
BOOK 1B	87	AR-Y0903	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	MASSING DIAGRAM 2
BOOK 1B	88	AR-Y0904	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	89	AR-Y0905	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	90	AR-Y0906	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	91	AR-Y0907	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE

STRUCTURES							
BOOK 1B	92	ST-V0151	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	93	ST-V0152	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	94	ST-T0151	SAN JOSE DIRIDON STATION APPROACH	UPRR T-13, W TAYLOR ST	VIADUCT TO I-880	OVERPASSES AND UNDERPASSES	HEDDING ST AND TAYLOR ST
BOOK 1B	95	ST-V0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 1 OF 3
BOOK 1B	96	ST-V0302	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 2 OF 3
BOOK 1B	97	ST-V0303	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 3 OF 3
BOOK 1B	98	ST-T0301	SAN JOSE DIRIDON STATION APPROACH	I-880, SR 85	VIADUCT TO I-880	CALTRANS STRUCTURES	GENERAL PLAN
BOOK 1B	99	ST-T0401	MONTEREY CORRIDOR	ALMADEN EXPY, CURTNER AVE	VIADUCT/AT-GRADE	OVERPASSES AND UNDERPASSES	GENERAL PLAN
BOOK 1B	100	ST-V0601	MONTEREY CORRIDOR	CAPITOL CALTRAIN, CAPITOL EXPY	VIADUCT	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	101	ST-V0602	MONTEREY CORRIDOR	BLOSSOM HILL RD, BERNAL RD	VIADUCT	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	102	ST-V0701	MORGAN HILL AND GILROY	BAILEY AVE, COCHRANE RD	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	103	ST-V0702	MORGAN HILL AND GILROY	SB 101, LLAGAS CREEK	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	104	ST-T0701	MORGAN HILL AND GILROY	BAILEY AVE, I-5	VIADUCT TO DOWNTOWN GILROY	CALTRANS STRUCTURES	GENERAL PLAN
BOOK 1B	105	ST-V0901	MORGAN HILL AND GILROY	US 101	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 1B	106	ST-V1401	PACHECO PASS	CALIFORNIA AQUEDUCT, CCID OUTSIDE CANAL	TUNNEL	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 1B	107	ST-V1601	SAN JOAQUIN VALLEY	SAN LUIS WASTEWAY, LOS BANOS CREEK	HENRY MILLER ROAD	COMPLEX STRUCTURES	GENERAL PLAN

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

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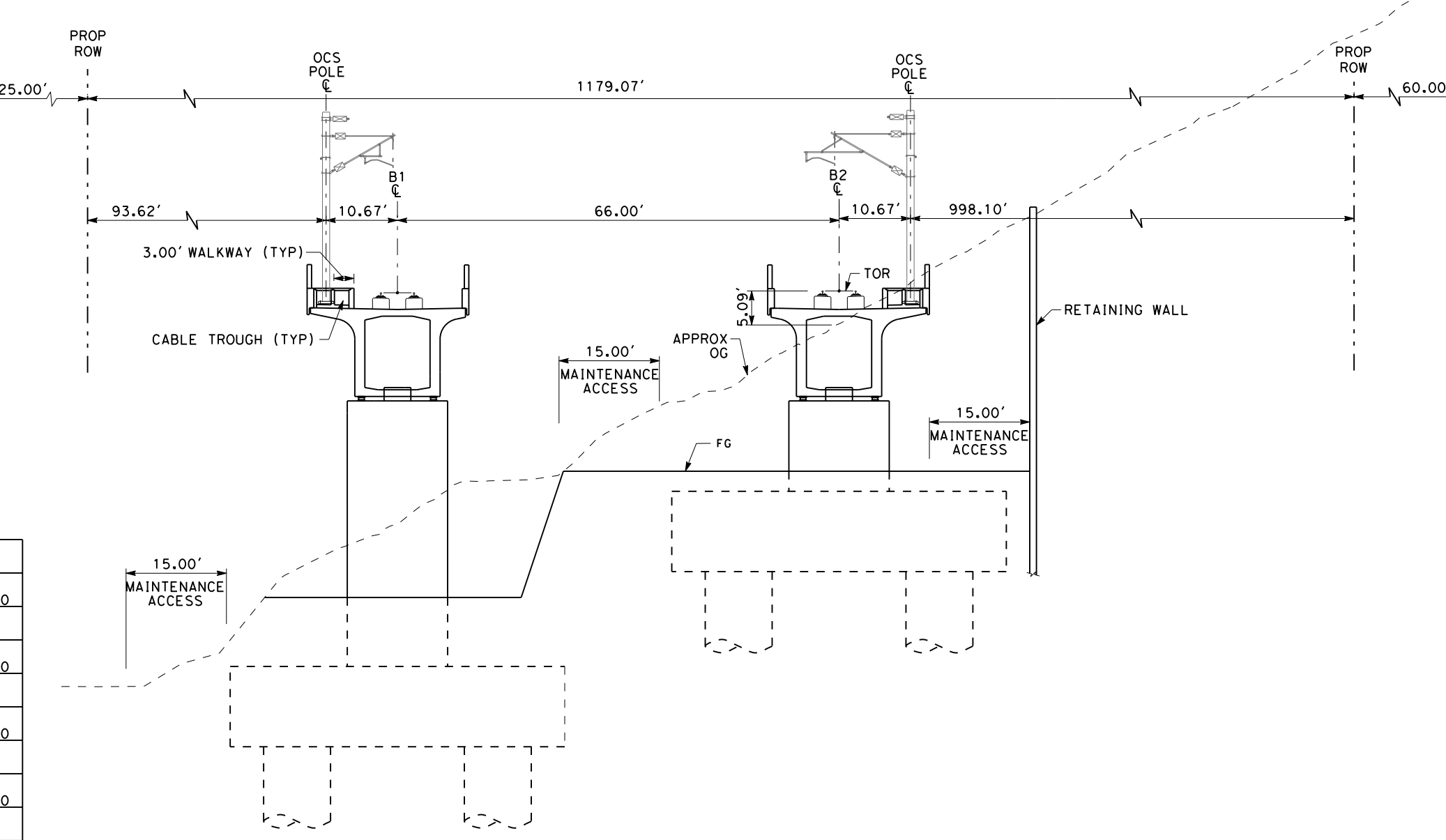
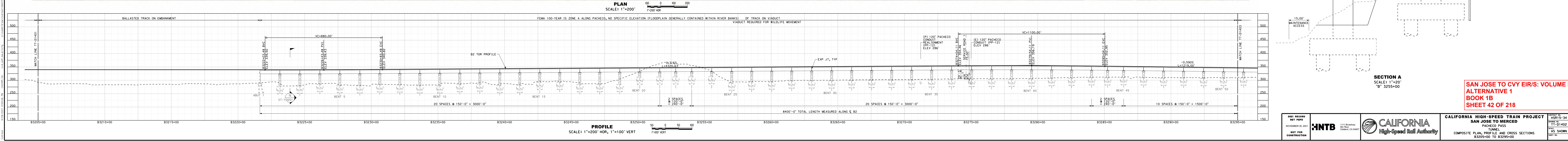
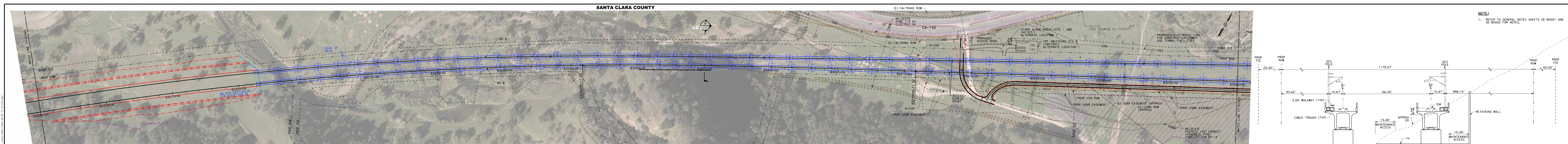
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NOVEMBER 30, 2021
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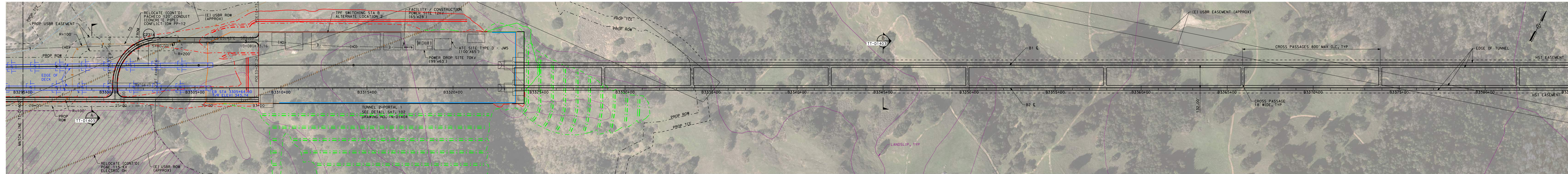
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 1
INDEX OF DRAWING
SHEET 3 OF 7

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0103
SCALE	NONE
SHEET NO.	

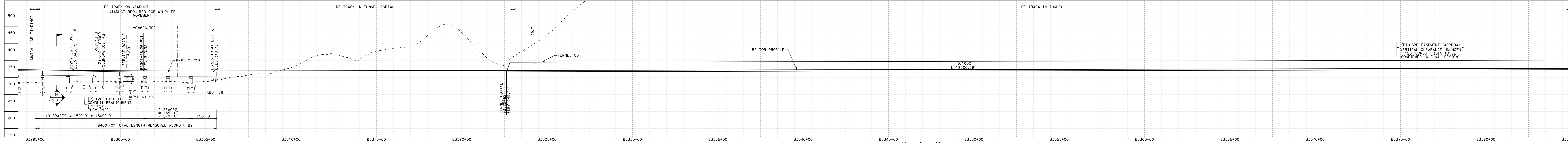


NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 42 OF 218**

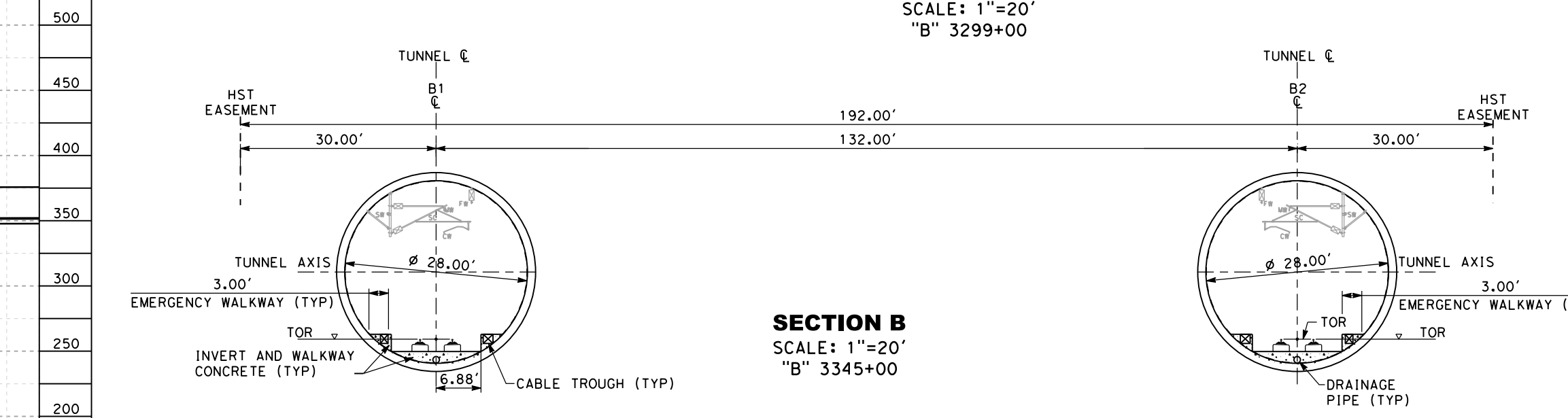
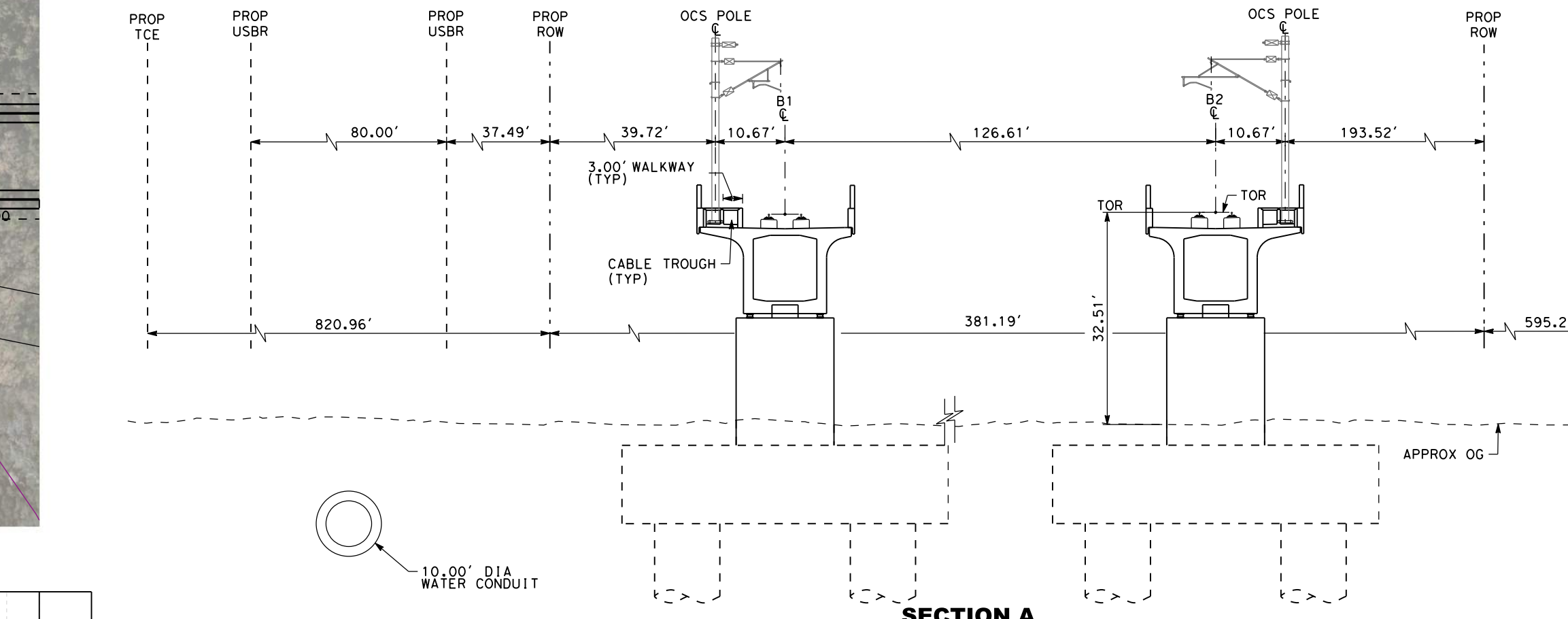


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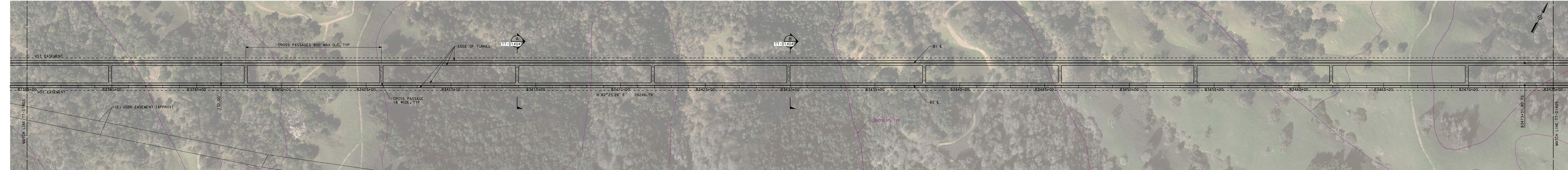


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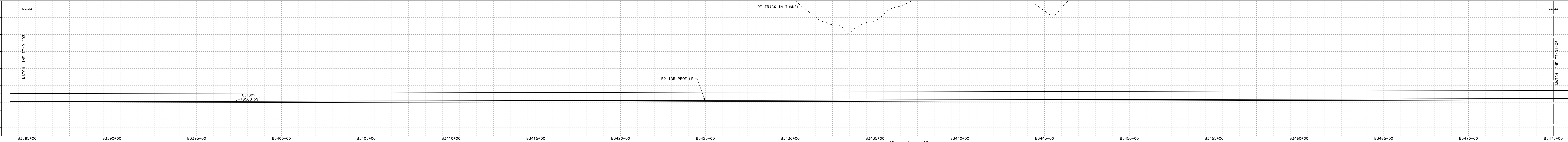
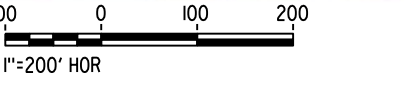
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



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			PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3295+00 TO B3385+00		DRAWING NO. TT-D1403 SCALE AS SHOWN SHEET NO.



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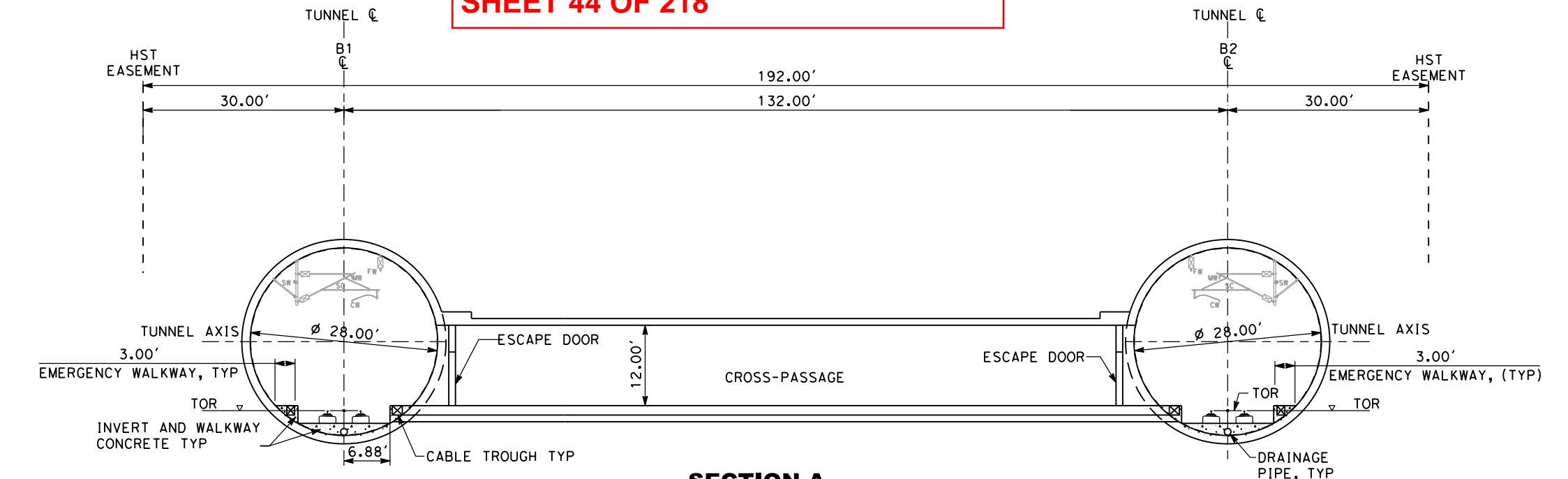


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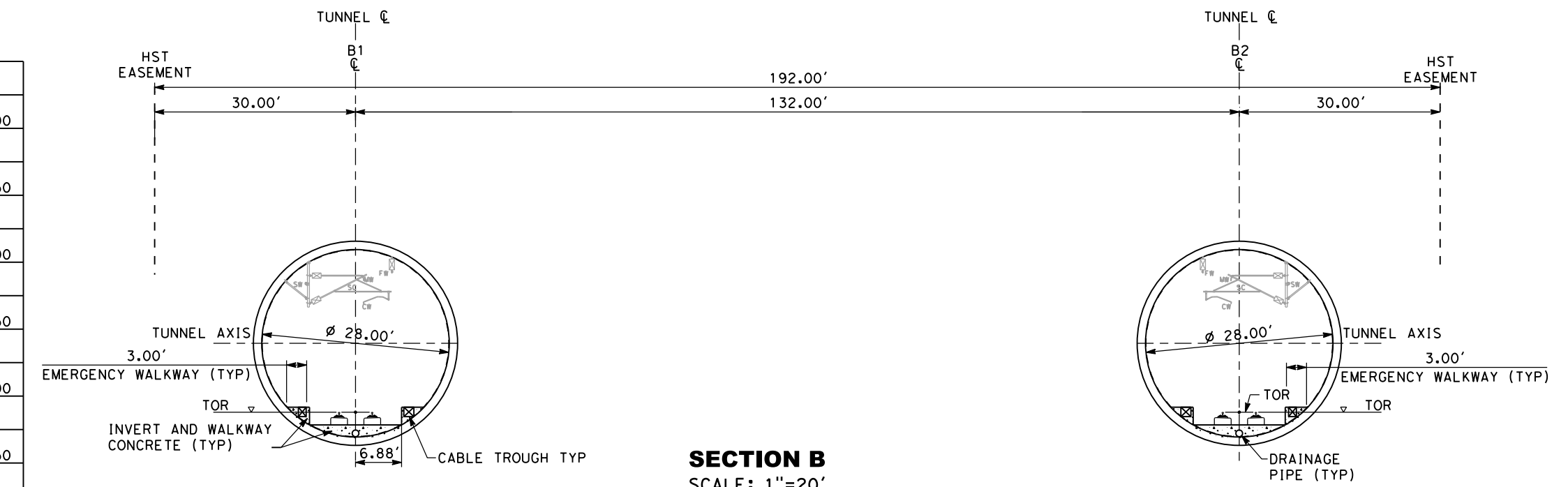


SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 44 OF 218

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

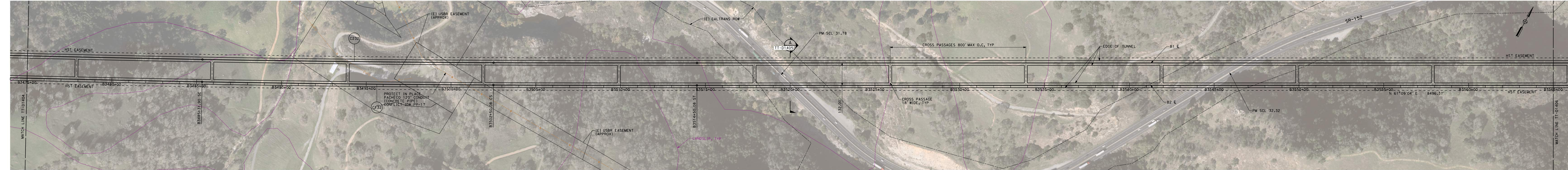


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"B" 3413+90

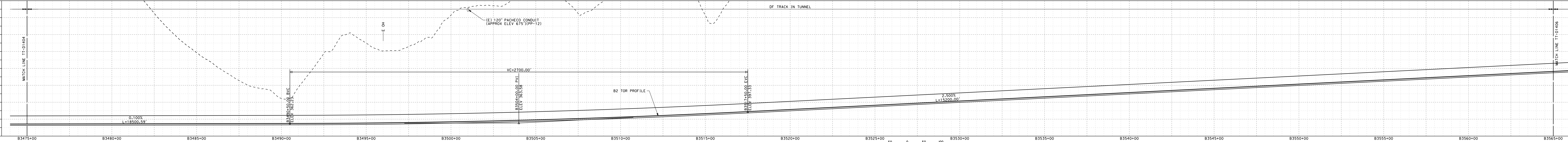


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"B" 3430+00

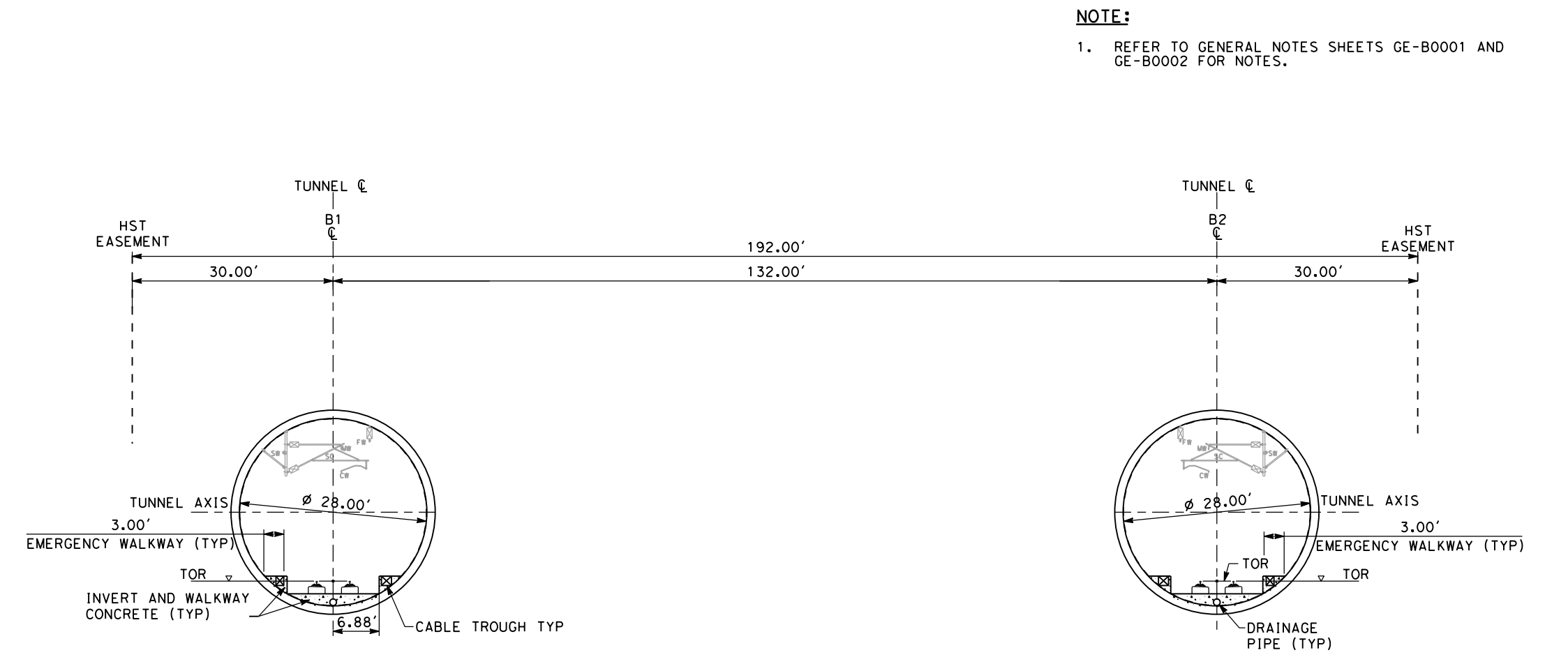
3021 RECORD SET P&P NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3385+00 TO B3475+00	CONTRACT NO. HSR15-34
				DRAWING NO. TT-D1404 SCALE AS SHOWN SHEET NO.



PLAN
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1"=200' HOR



PROFILE
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1"=100' VERT

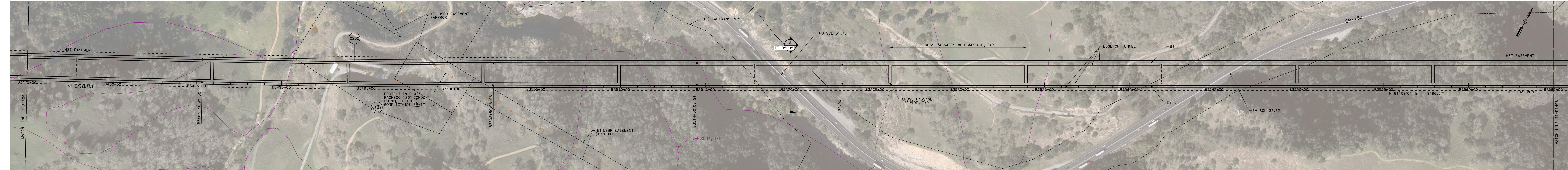


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"B" 3520+00

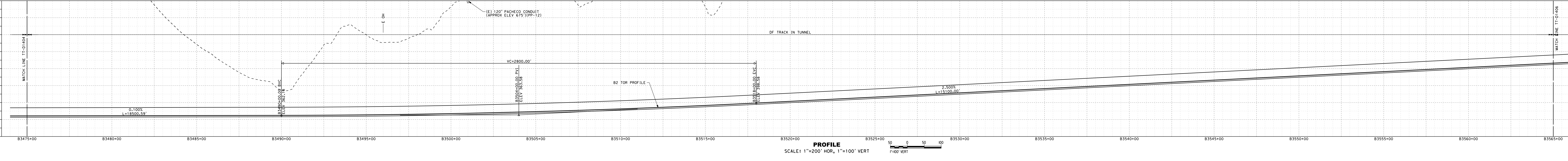
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 45 OF 218

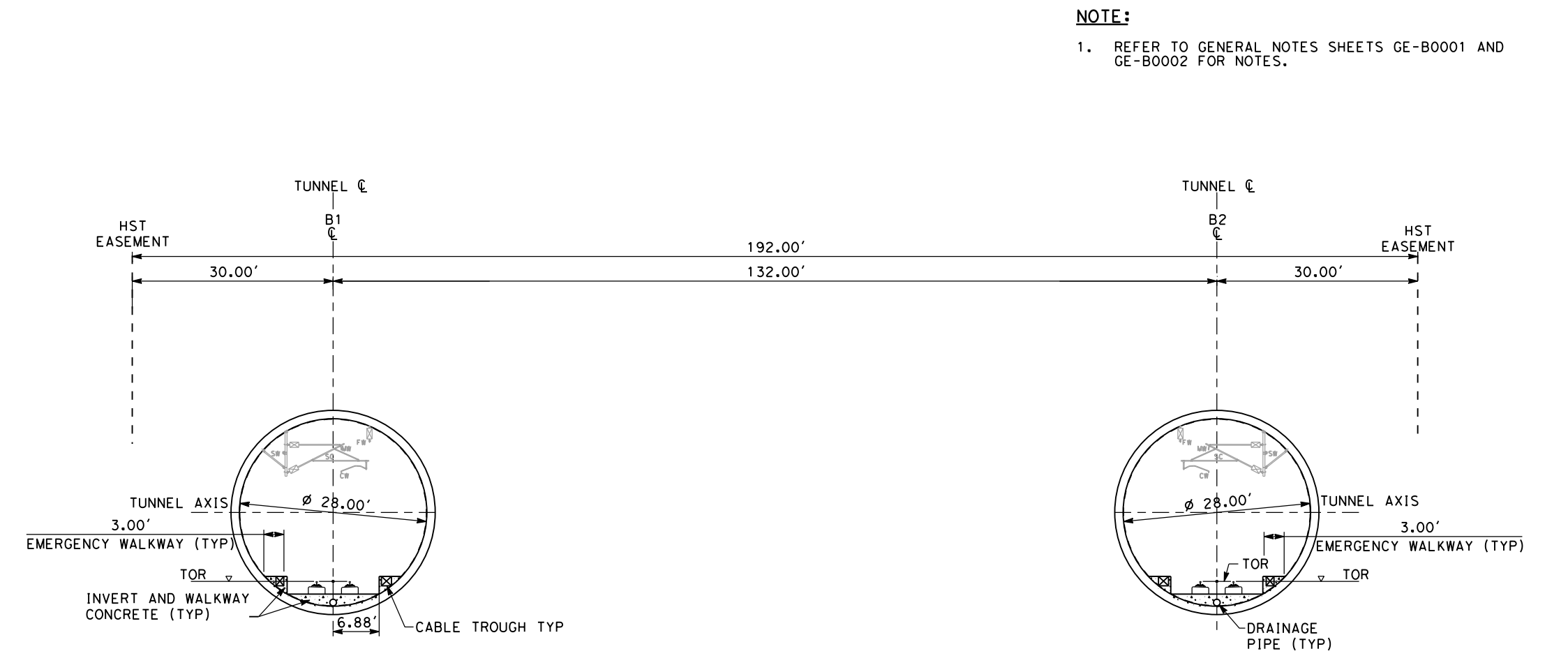
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			COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3475+00 TO B3565+00		DRAWING NO. TT-D1405 SCALE AS SHOWN SHEET NO.



PLAN
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1"=200' HOR



PROFILE
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1"=100' VERT



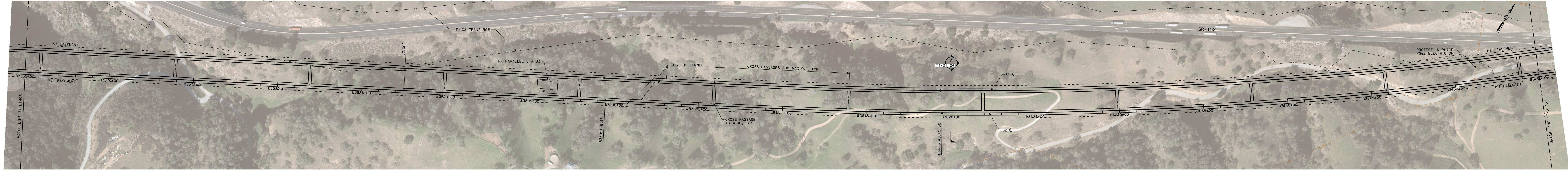
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"B" 3520+00

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

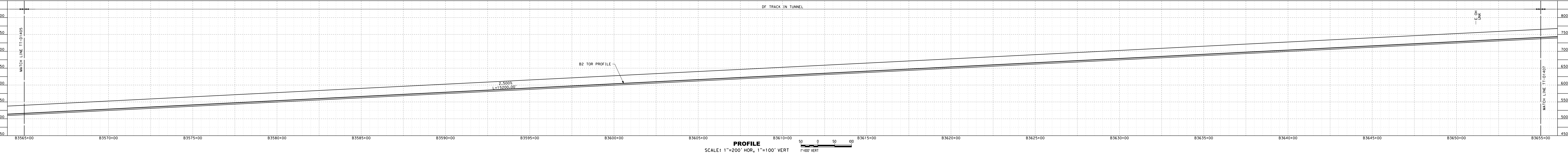
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 46 OF 218

2021 RECORD SET PERD NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL PACHECO PASS COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3475+00 TO B3565+00 - TUNNEL DESIGN VARIANT		CONTRACT NO. HSR15-34
			DRAWING NO. TT-D1405A	SCALE AS SHOWN	SHEET NO.

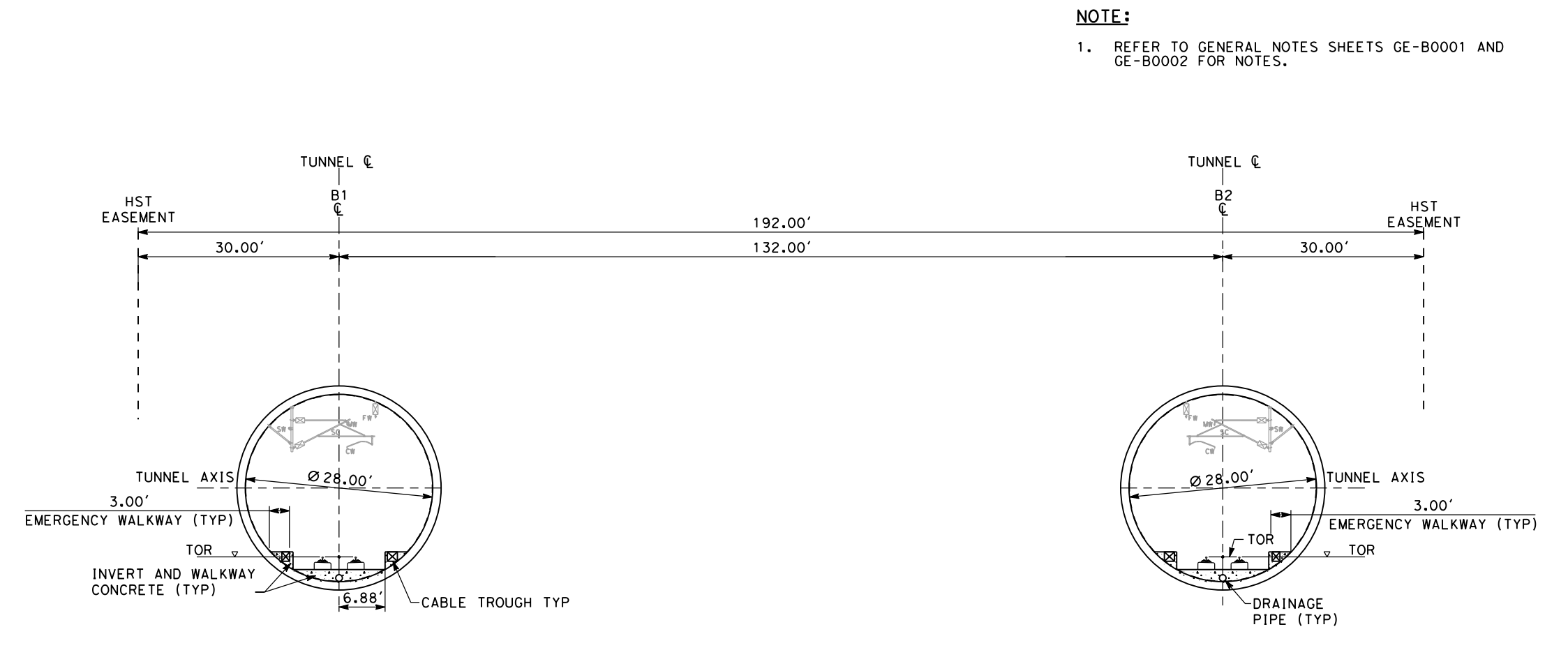
SANTA CLARA COUNTY



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



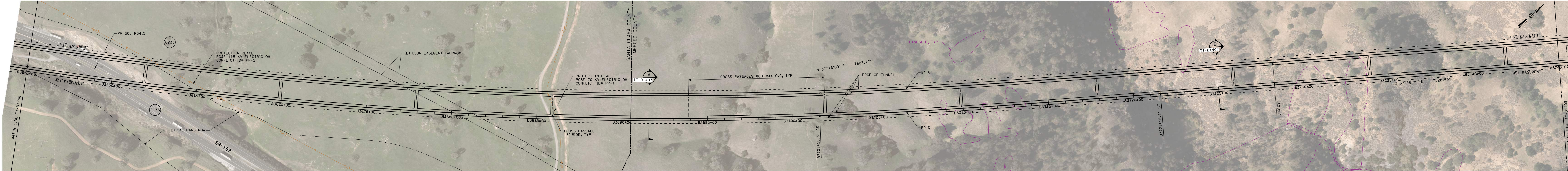
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT
1"=100' VERT



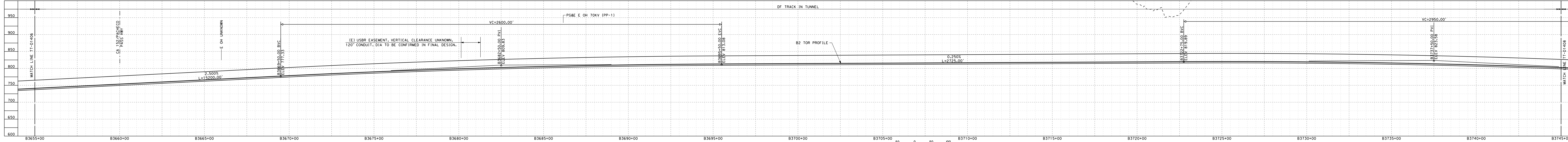
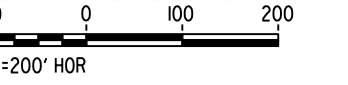
SECTION A
SCALE: 1"=20'
"B" 3620+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 47 OF 218

<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL PACHECO PASS COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3565+00 TO B3655+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1406 SCALE AS SHOWN SHEET NO.</p>
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PLAN SCALE: 1"=200'

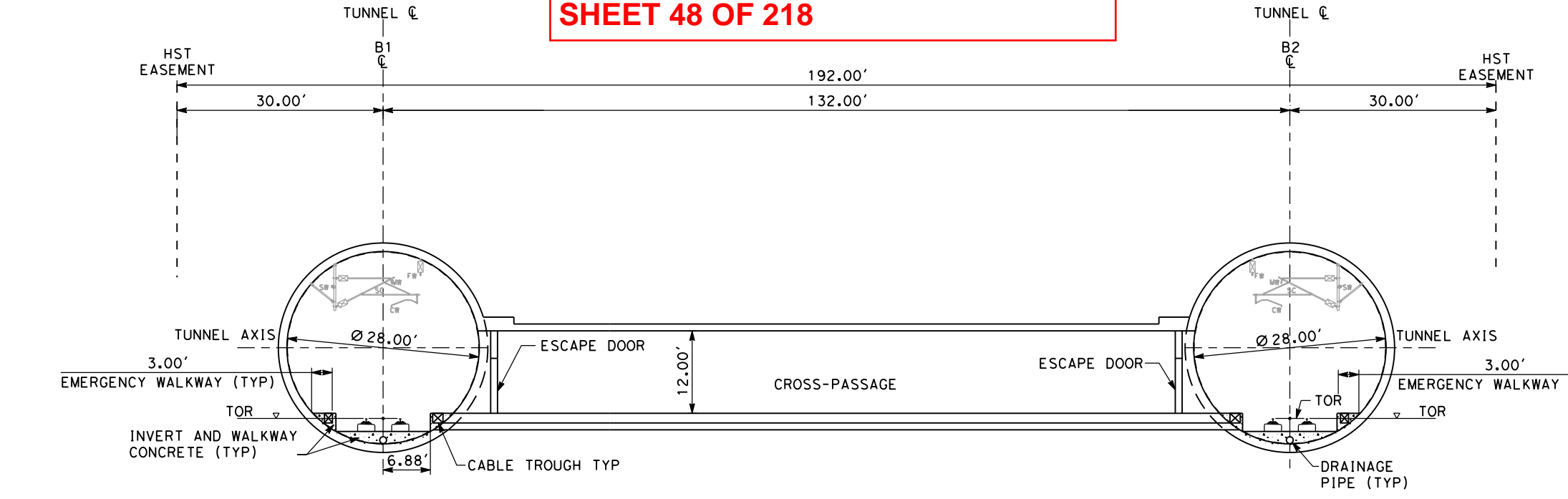


PROFILE SCALE: 1"=200' HOR, 1"=100' VERT

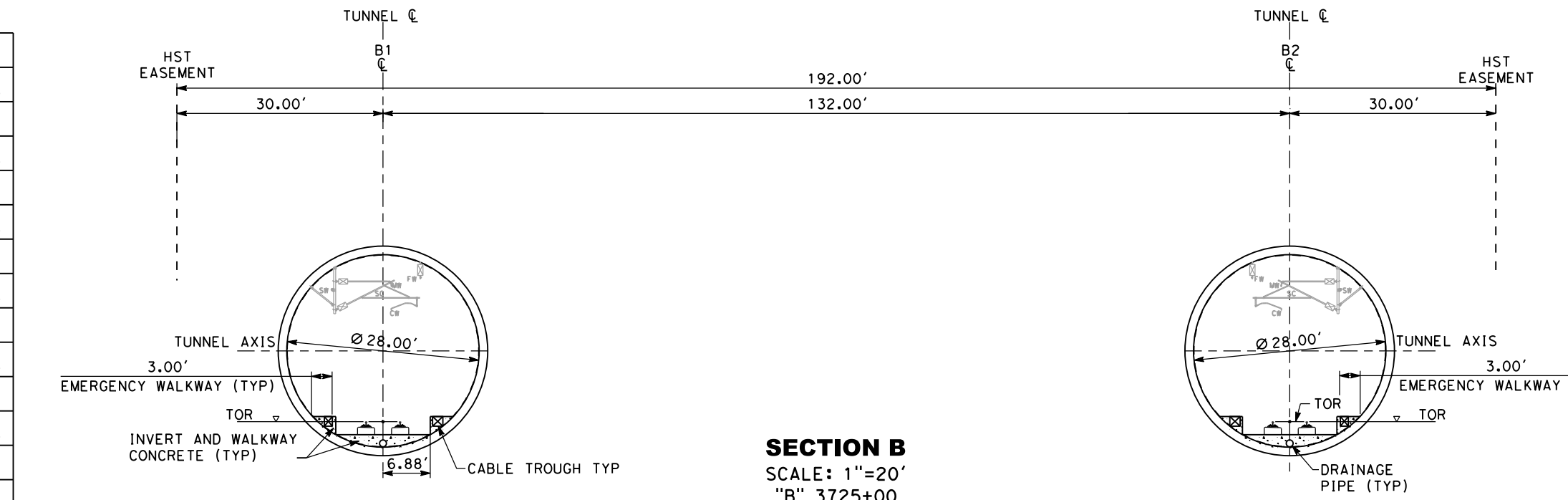


**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 48 OF 218**

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

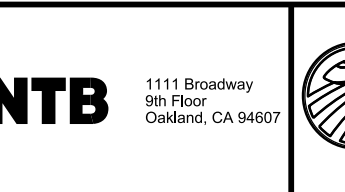


SECTION A SCALE: 1"=20' "B" 3695+00

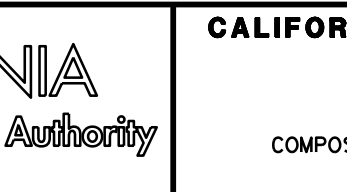


SECTION B SCALE: 1"=20' "B" 3725+00

2021 RECORD SET P&P
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

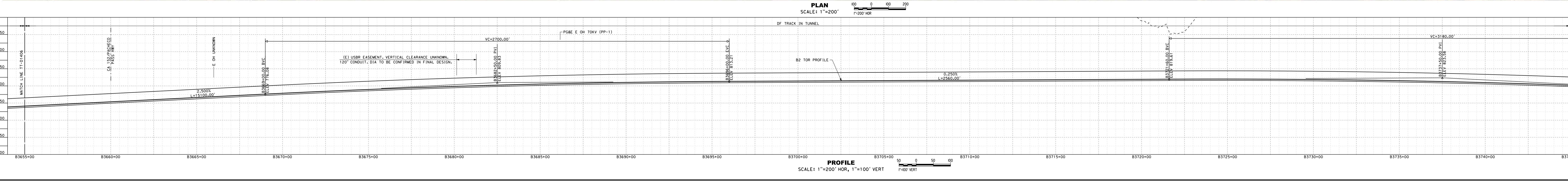
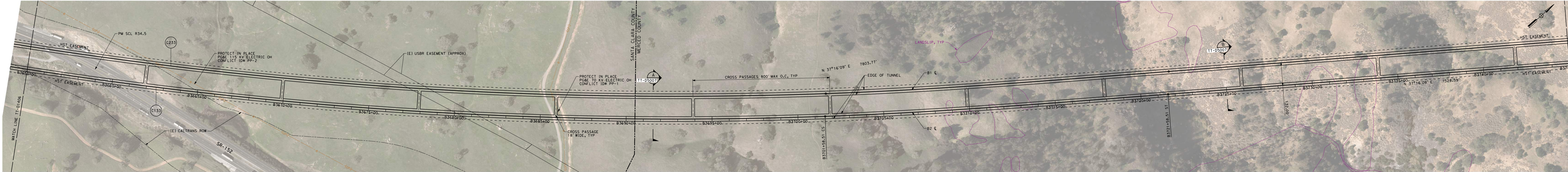


1111 Broadway
9th Floor
Oakland, CA 94607



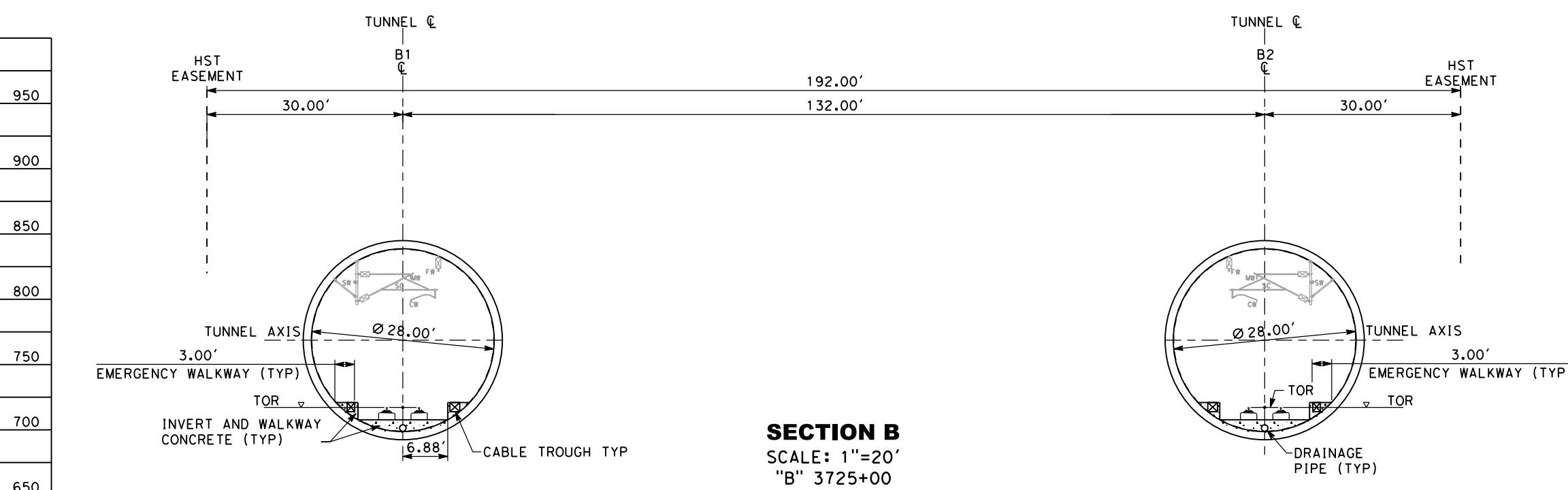
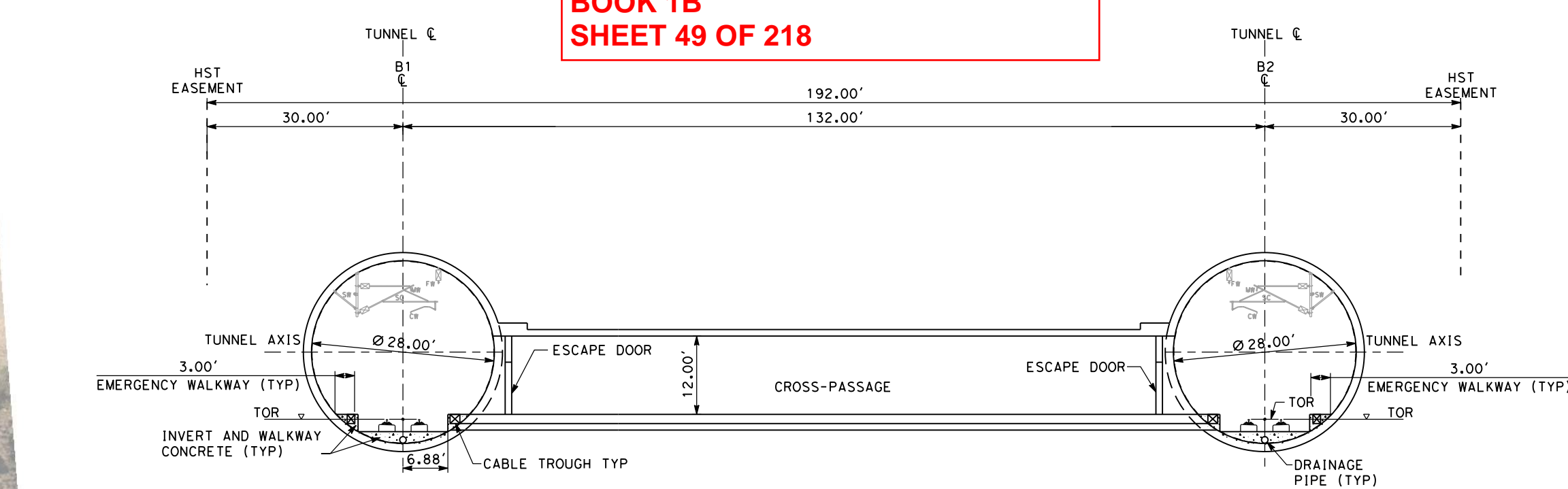
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B3655+00 TO B3745+00

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



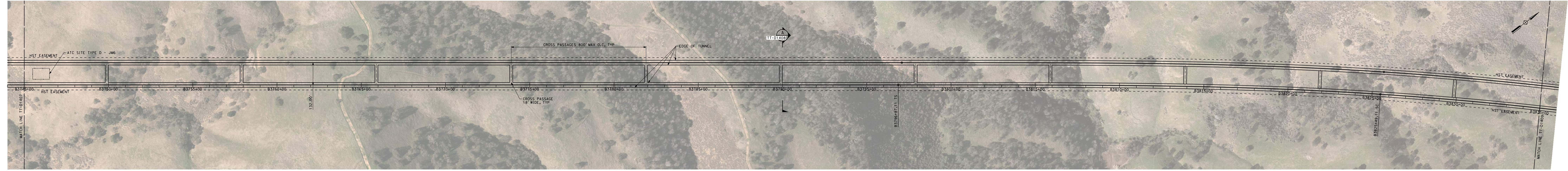
**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 49 OF 218**

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

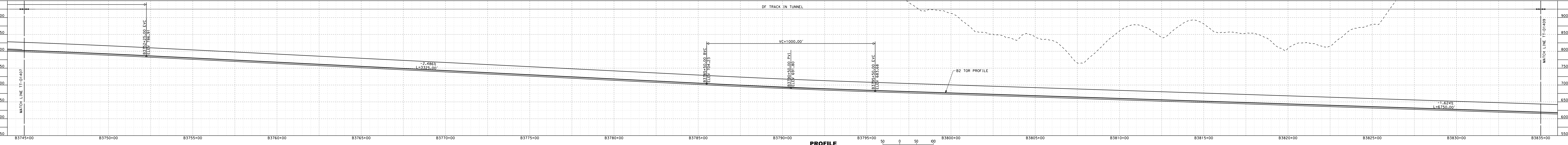


2021 RECORD SET P&P NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3655+00 TO B3745+00 - TUNNEL DESIGN VARIANT	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1407A SCALE AS SHOWN SHEET NO.
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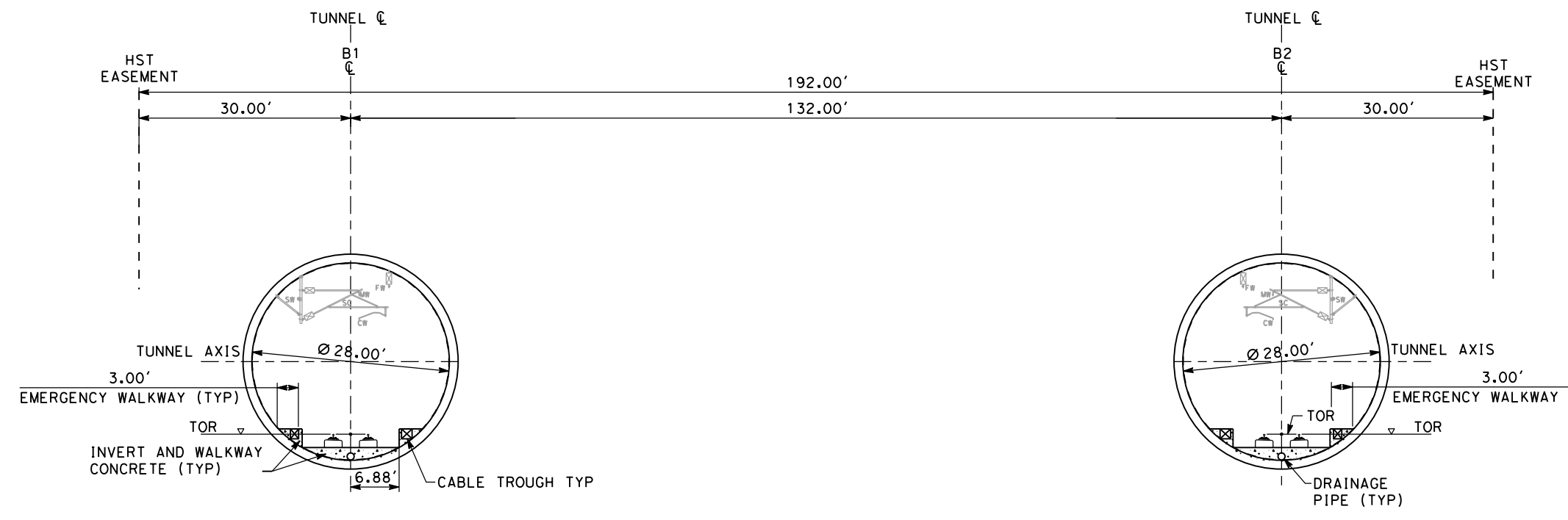
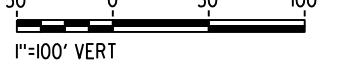
MERCED COUNTY



PLAN
SCALE: 1"=200'



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



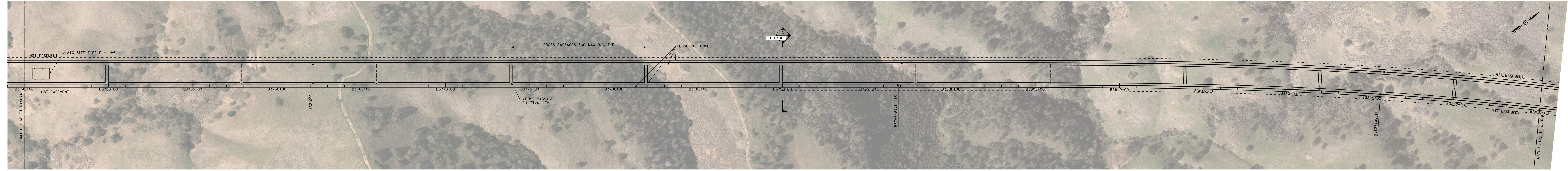
SECTION A
SCALE: 1"=20'
"B" 3790+00

- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION B3790+00 TO STATION B4085+55 TO ACCOMMODATE FAULT RUPTURE CONDITIONS AT ORTIGALITA FAULT. THE GROUND WEST OF ORTIGALITA FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT. WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

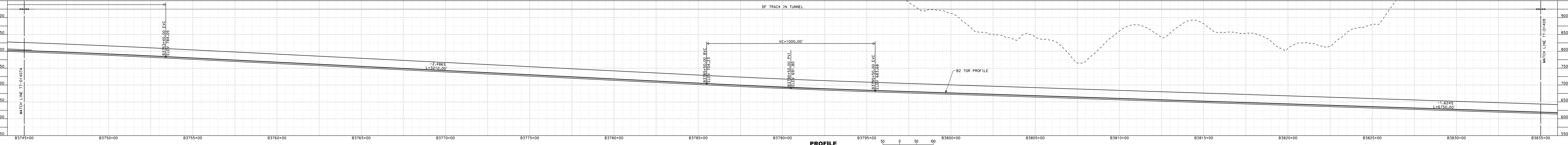
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 50 OF 218

<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3745+00 TO B3835+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1408 SCALE AS SHOWN SHEET NO.</p>
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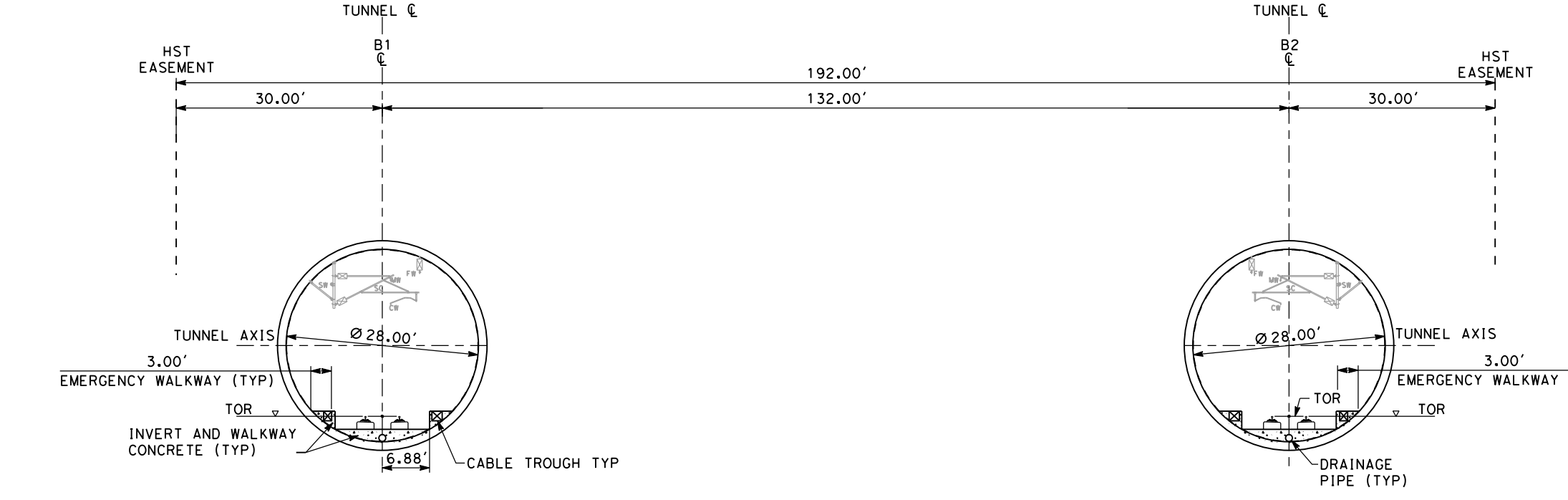
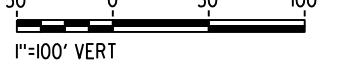
MERCED COUNTY



PLAN
SCALE: 1"=200'



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



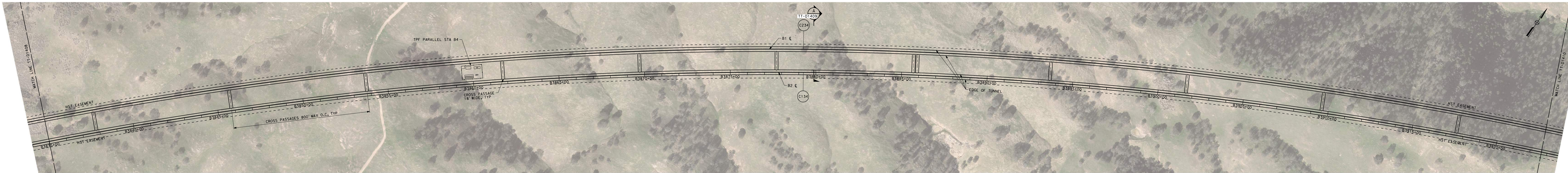
SECTION A
SCALE: 1"=20'
"B" 3790+00

- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION B3790+00 TO STATION B4085+55 TO ACCOMMODATE FAULT RUPTURE CONDITIONS AT ORTIGALITA FAULT. THE GROUND WEST OF ORTIGALITA FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT. WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

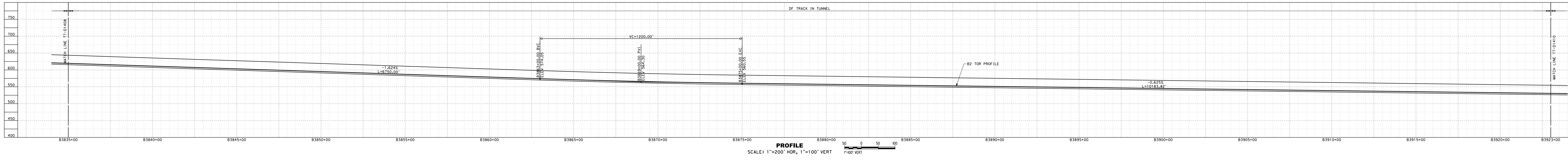
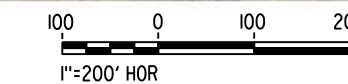
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 51 OF 218

<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3745+00 TO B3835+00 - TUNNEL DESIGN VARIANT</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1408A SCALE AS SHOWN SHEET NO.</p>
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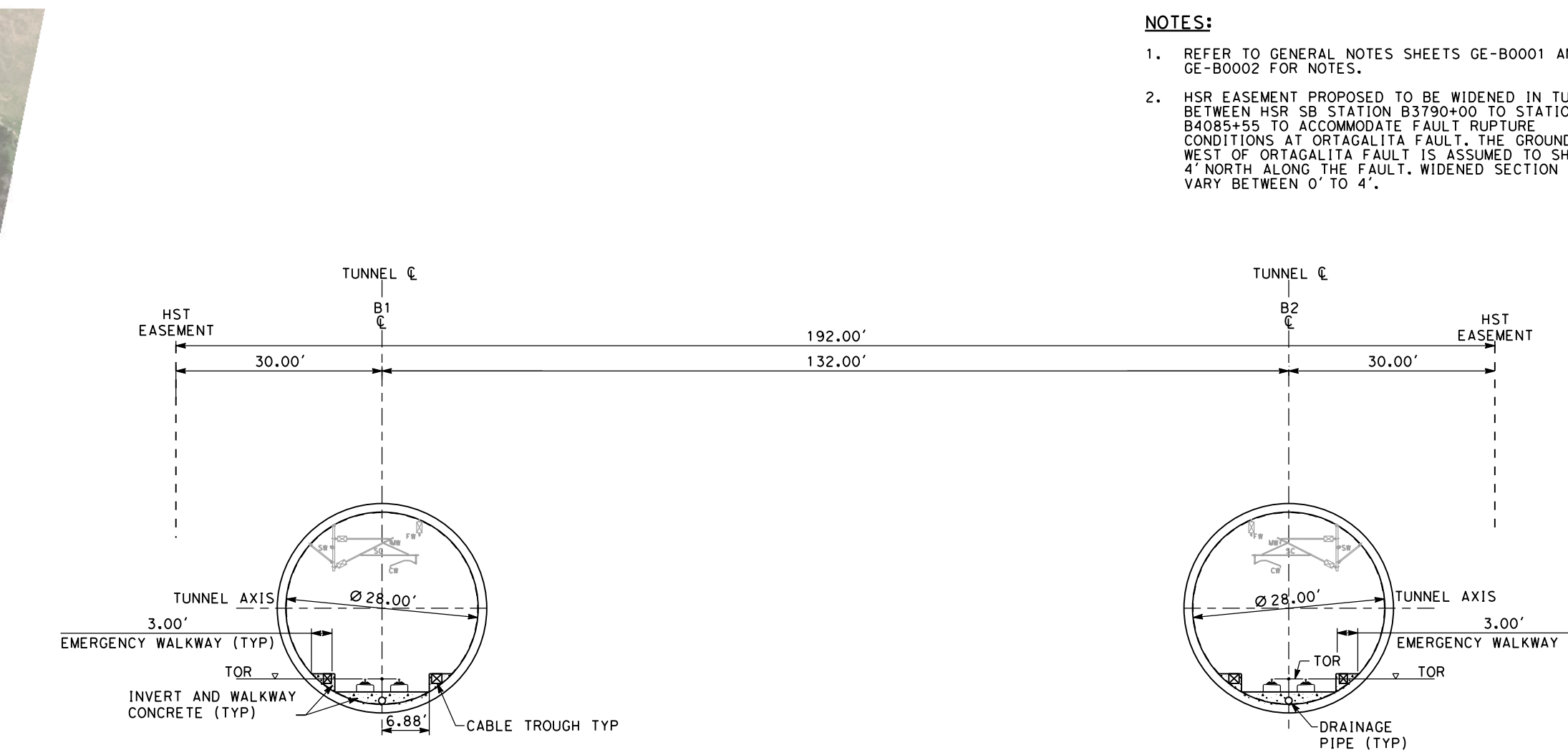
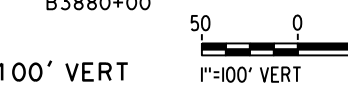
MERCED COUNTY



PLAN
SCALE: 1"=200'



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



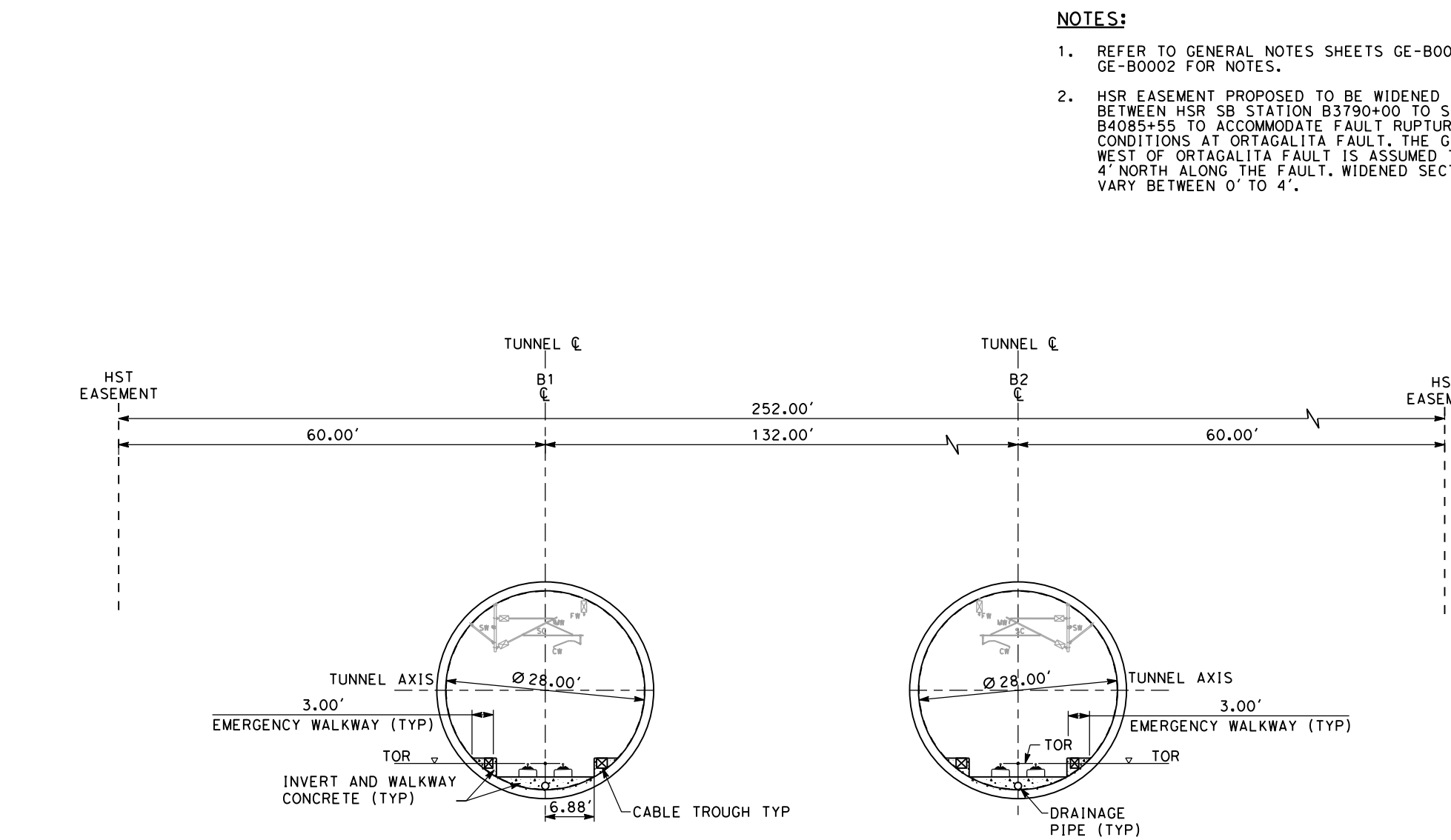
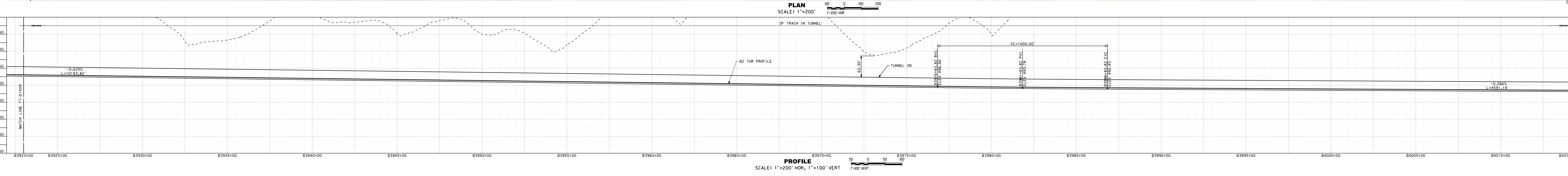
SECTION A
SCALE: 1"=20'
"B" 3879+87.70

- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION B3790+00 TO STATION B4085+55 TO ACCOMMODATE FAULT RUPTURE CONDITIONS AT ORTIGALITA FAULT. THE GROUND WEST OF ORTIGALITA FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT. WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 52 OF 218

<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3835+00 TO B3923+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1409 SCALE: AS SHOWN SHEET NO.</p>
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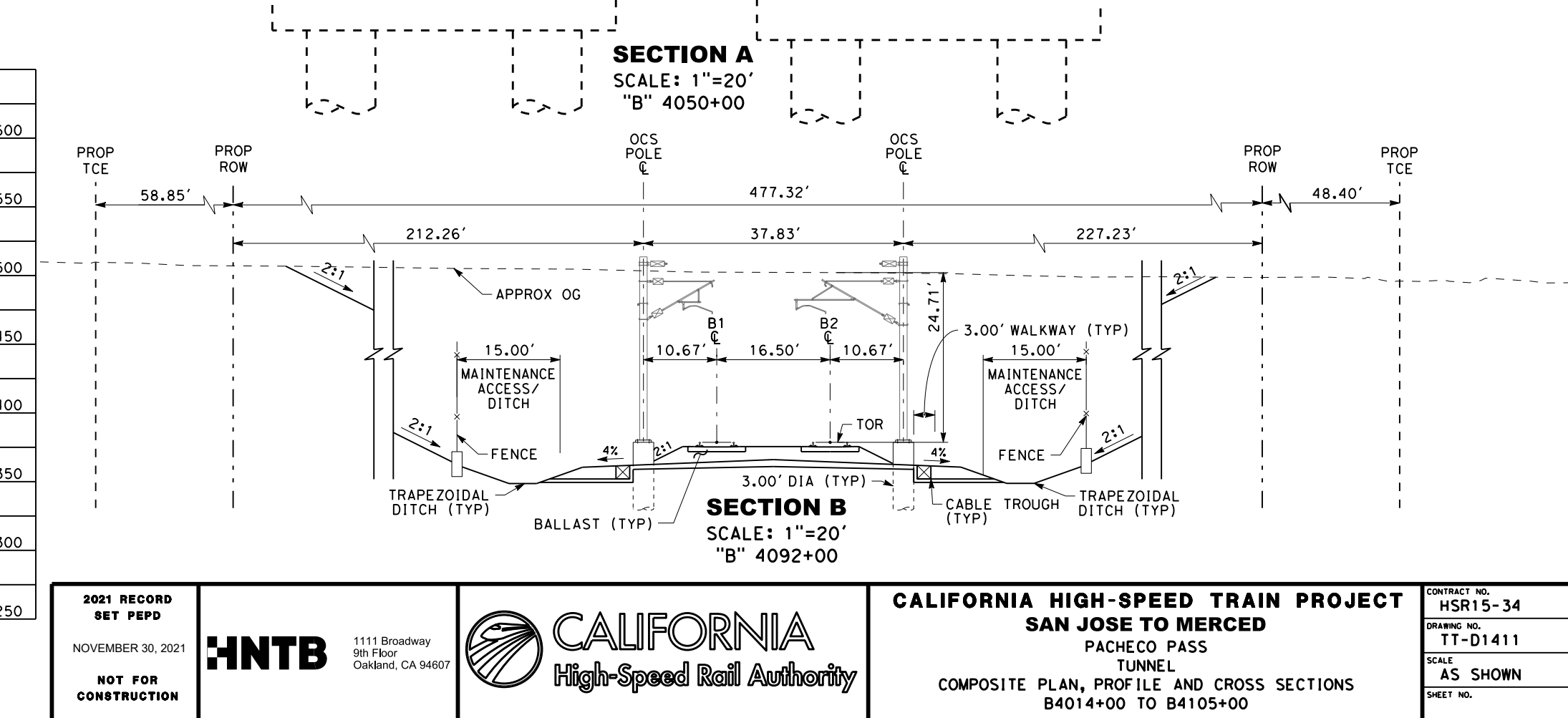
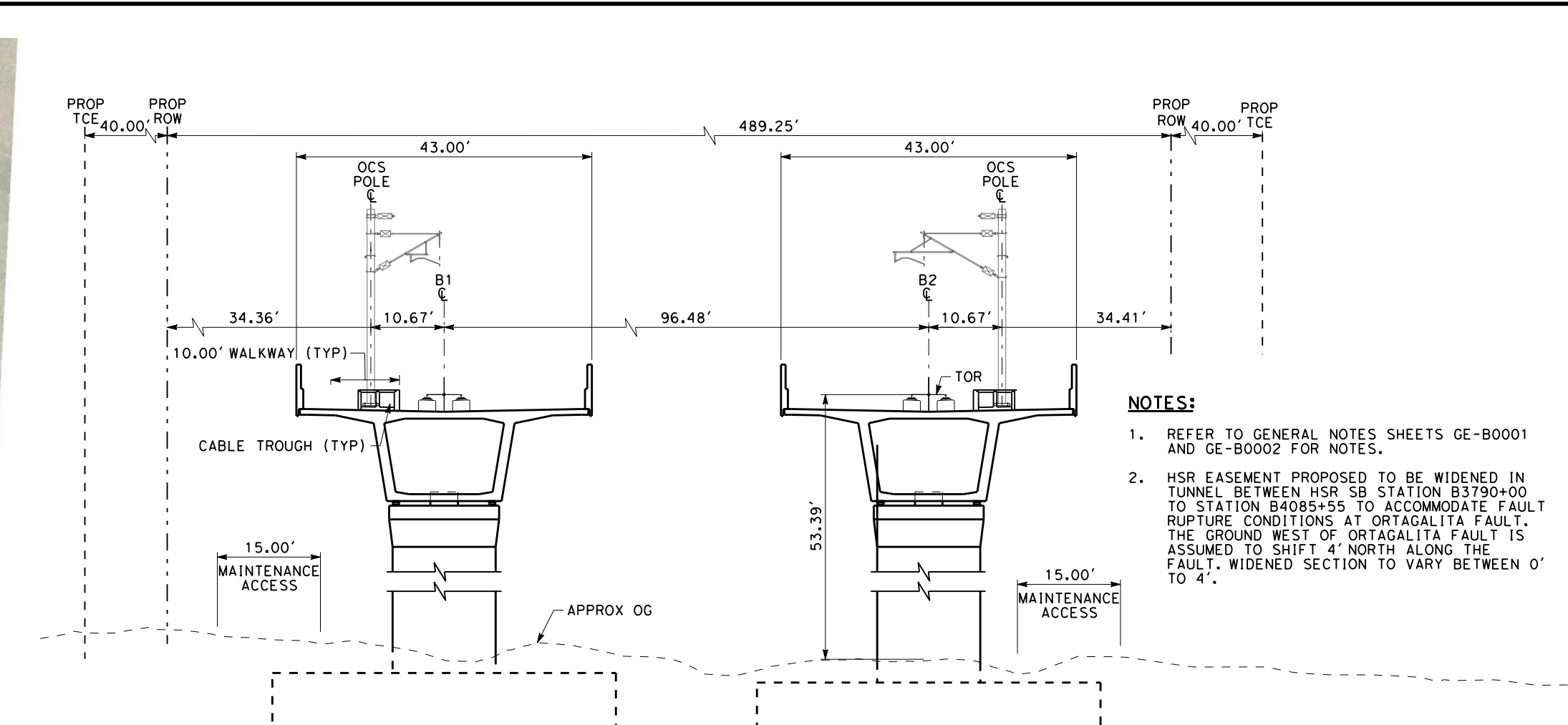
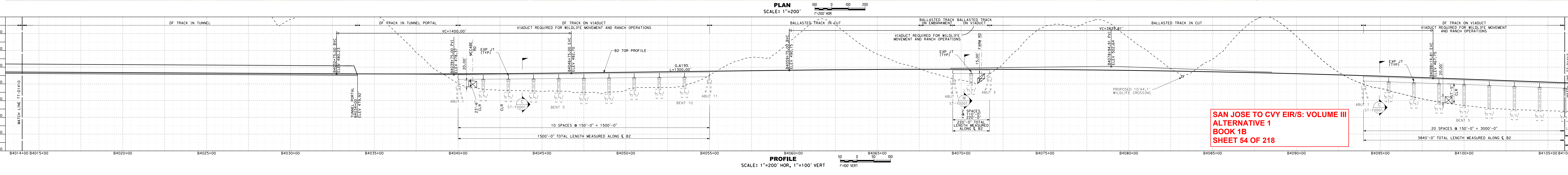
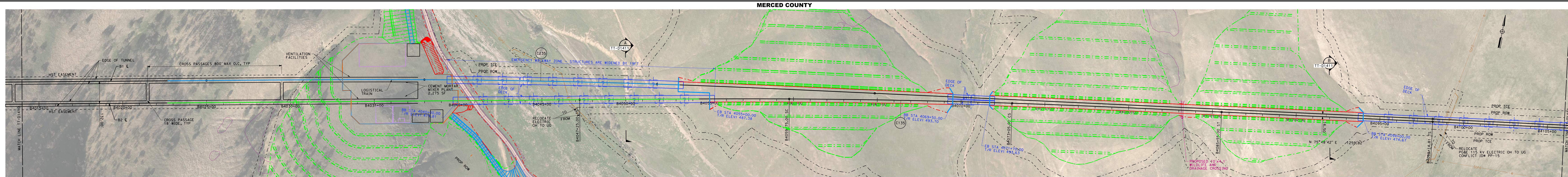
MERCED COUNTY



- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION B3790+00 TO STATION B4085+55 TO ACCOMMODATE FAULT RUPTURE CONDITIONS AT ORTIGALITA FAULT. THE GROUND WEST OF ORTIGALITA FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT. WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 53 OF 218

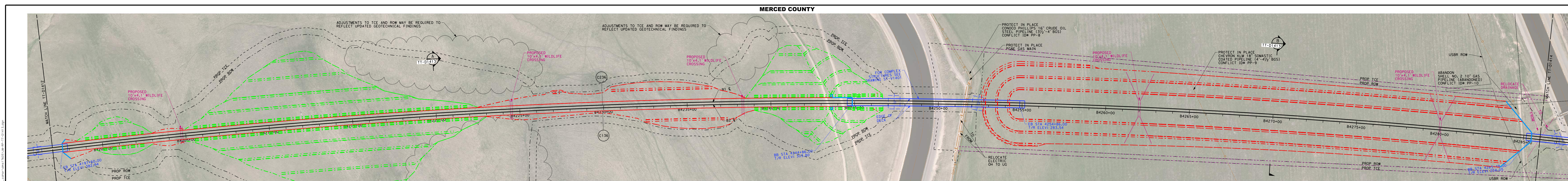
<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3923+00 TO B4014+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1410 SCALE AS SHOWN SHEET NO.</p>
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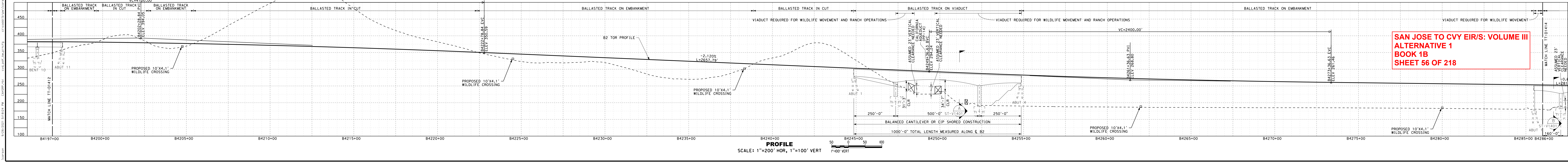
- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION B3790+00 TO STATION B4085+55 TO ACCOMMODATE FAULT RUPTURE CONDITIONS AT ORTICALITA FAULT. THE GROUND WEST OF ORTICALITA FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT. WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 54 OF 218**

2021 RECORD SET PFD NOVEMBER 30, 2021 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 COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4014+00 TO B4105+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1411 SCALE AS SHOWN SHEET NO.
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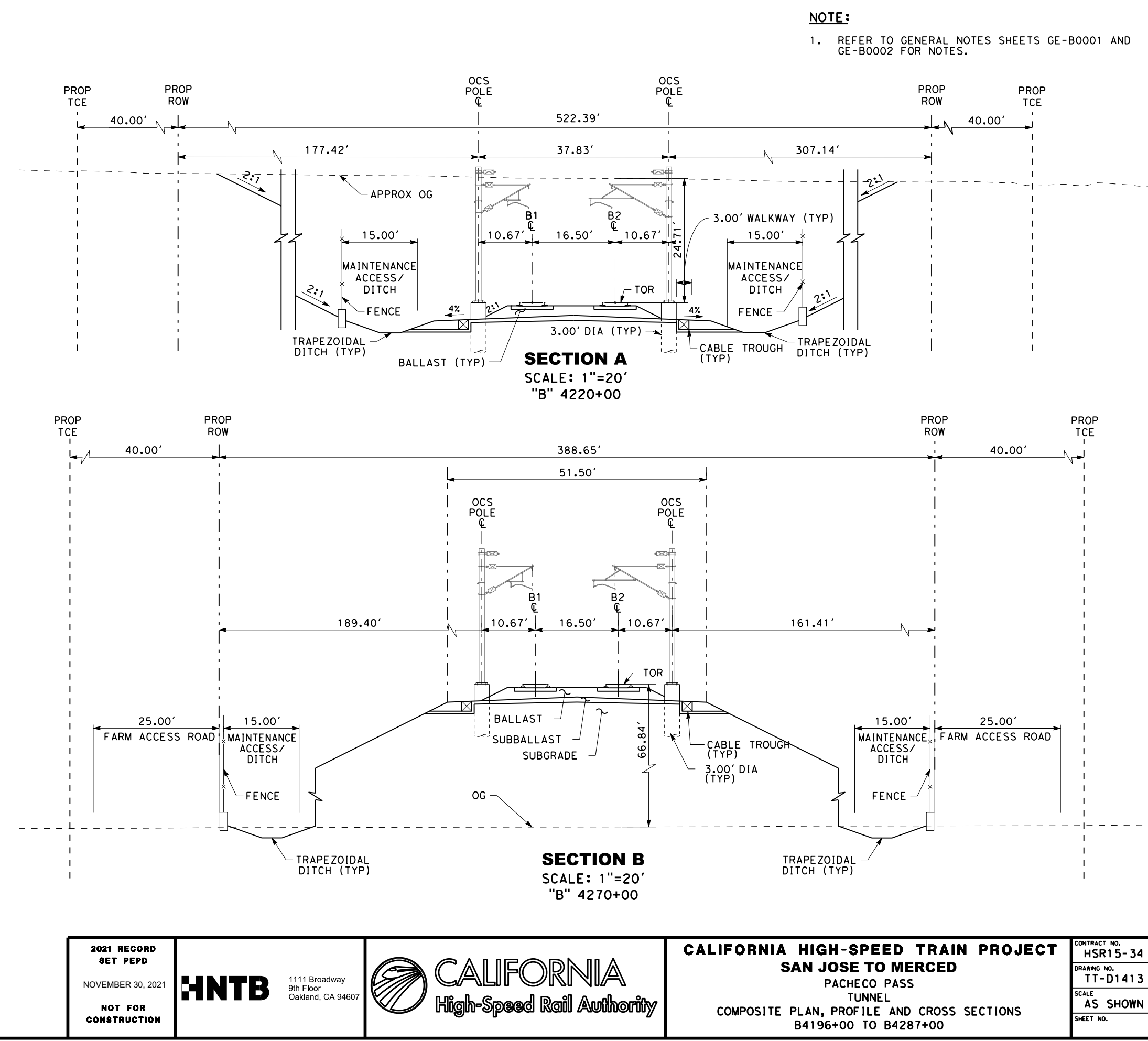


PLAN
SCALE: 1"=200'
1"=200' HOR



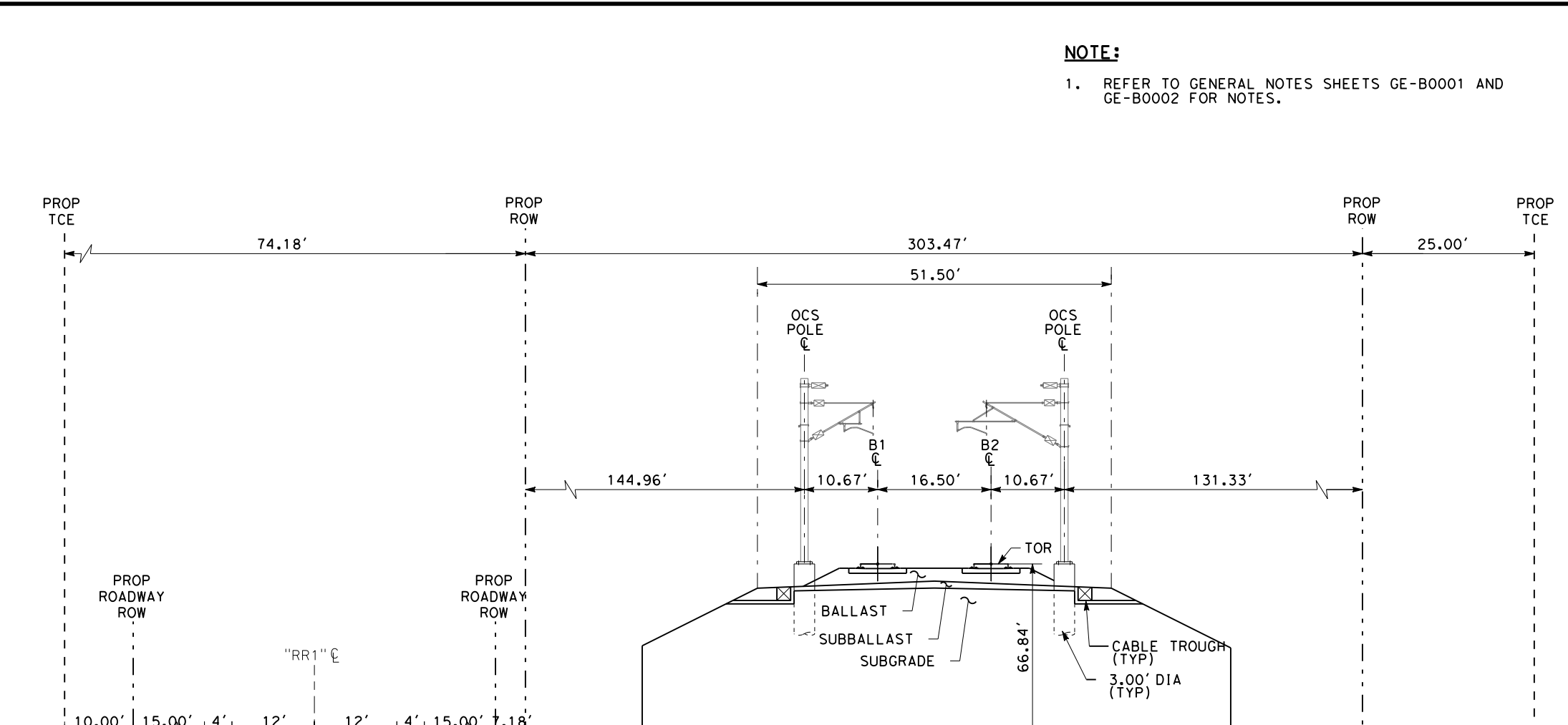
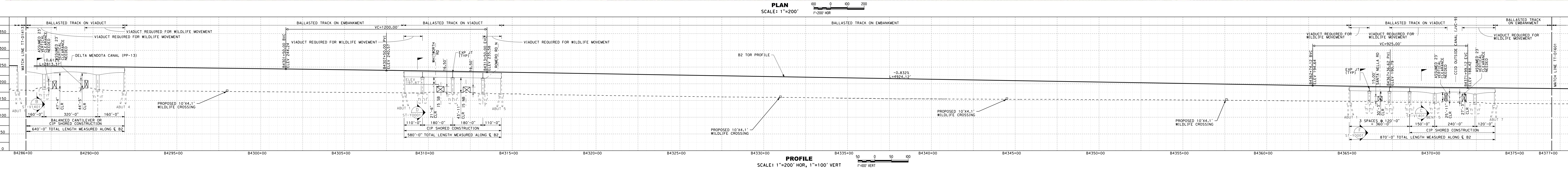
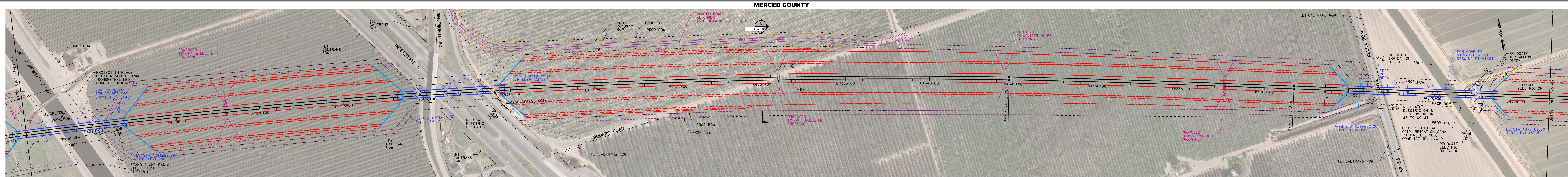
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT
1"=100' VERT

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 56 OF 218**



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

2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL PACHECO PASS COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4196+00 TO B4287+00		CONTRACT NO. HSR15-34
			DRAWING NO. TT-D1413	SCALE AS SHOWN	SHEET NO.

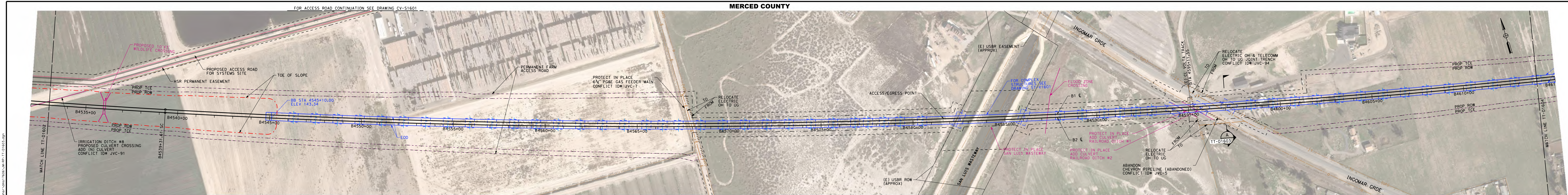


NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

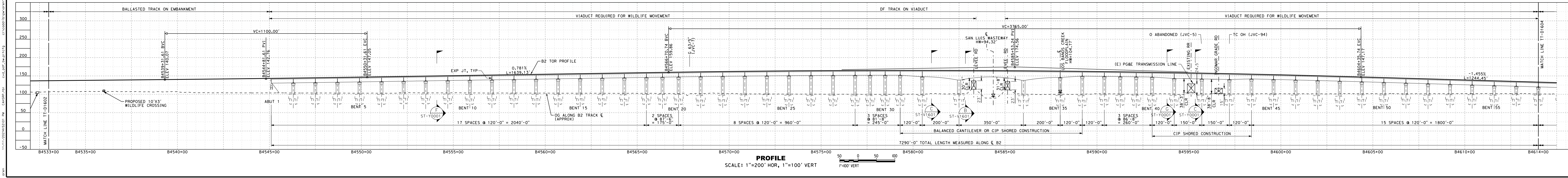
SECTION A
SCALE: 1"=20'
"B" 4330+00

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 57 OF 218**

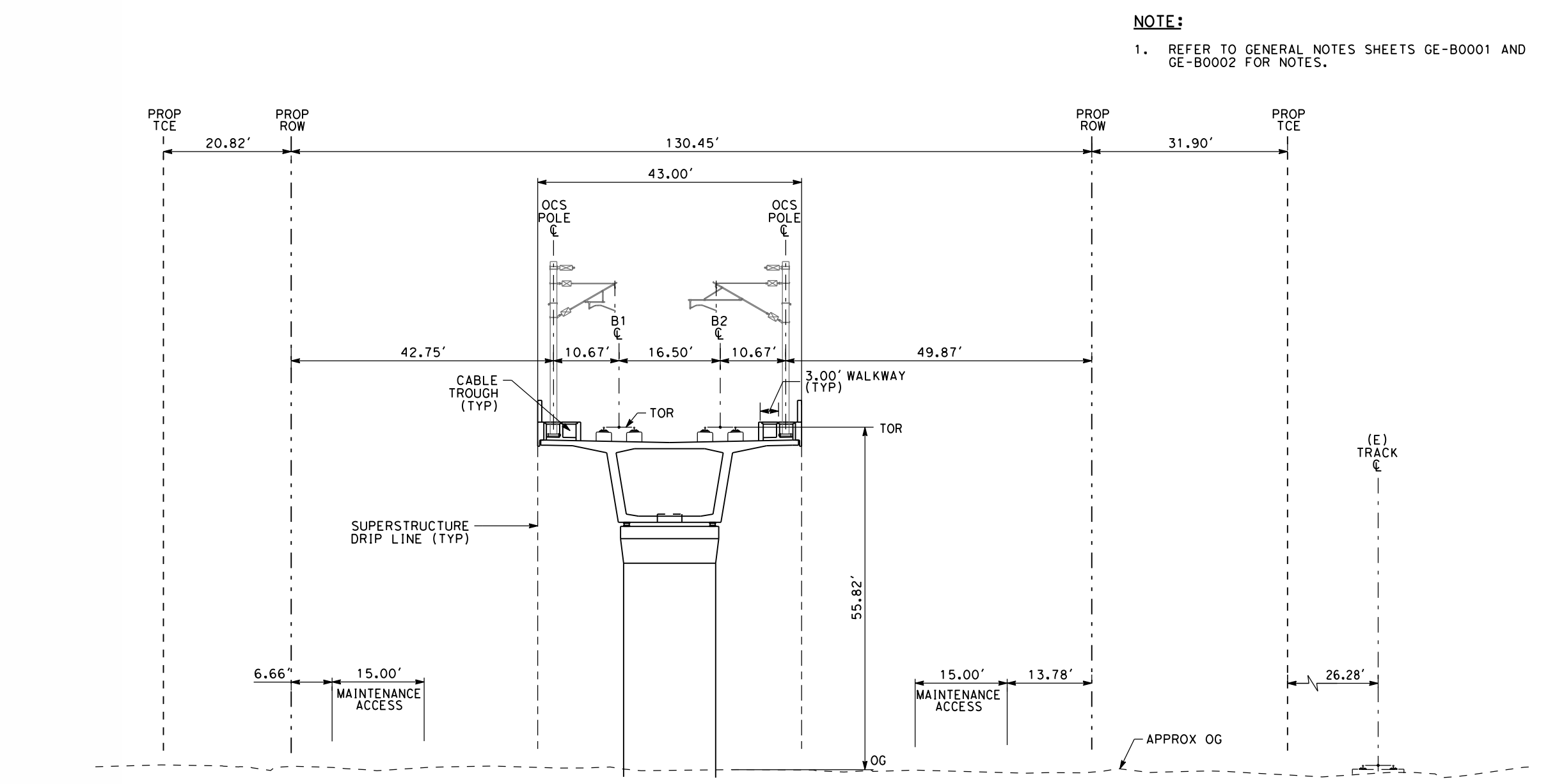
2021 RECORD SET PPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4287+00 TO B4372+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1414 SCALE AS SHOWN SHEET NO.
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PLAN
SCALE: 1"=200'
1"=200' HOR



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



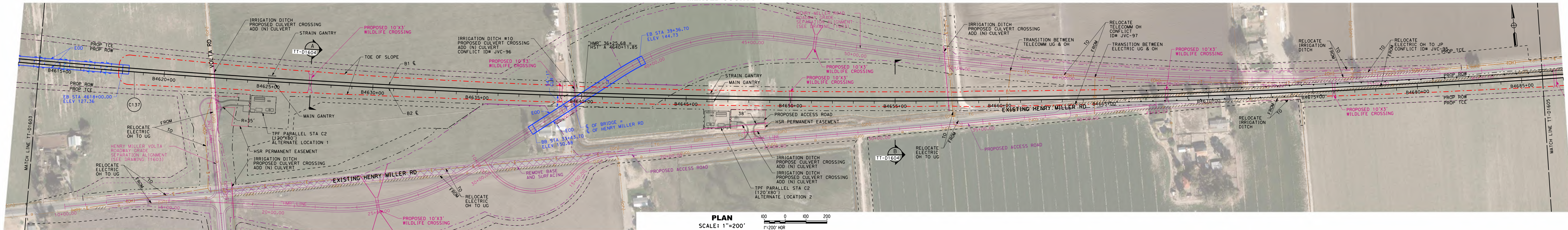
SECTION A
SCALE: 1"=20'
"B" 4597+00

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

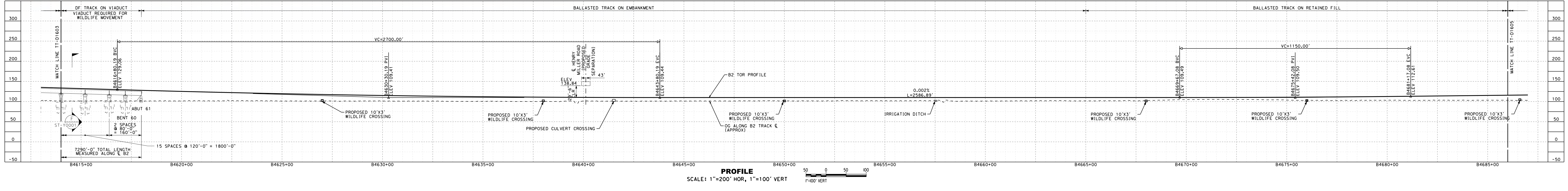
**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 60 OF 218**

2021 RECORD SET PBD NOVEMBER 30, 2021 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 COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4533+00 TO B4614+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1603 SCALE AS SHOWN SHEET NO.
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MERCED COUNTY

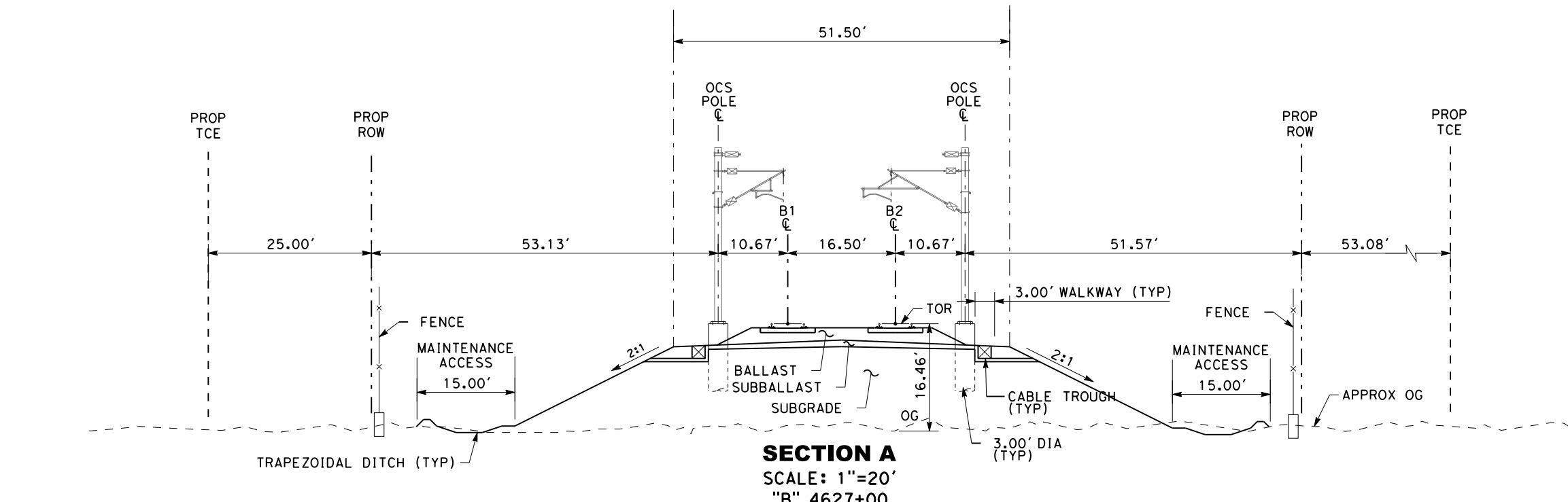


PLAN
SCALE: 1"=200'

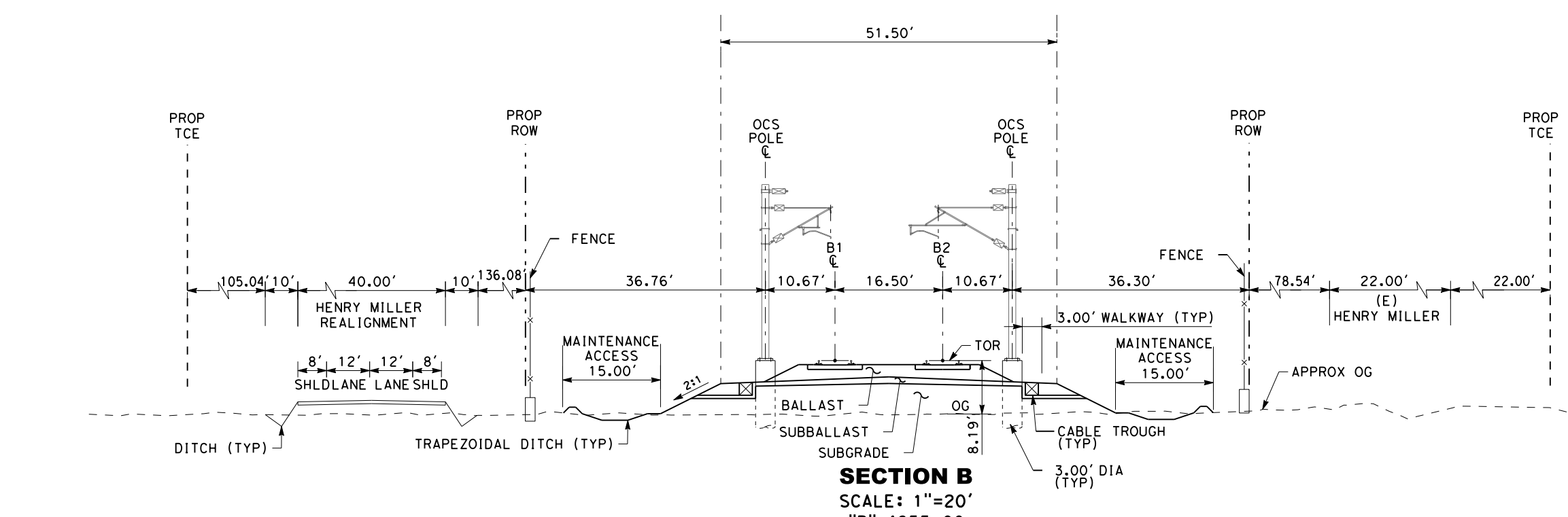


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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



SECTION A
SCALE: 1"=20'
"B" 4627+00



SECTION B
SCALE: 1"=20'
"B" 4655+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 61 OF 218

2021 RECORD SET PERD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION



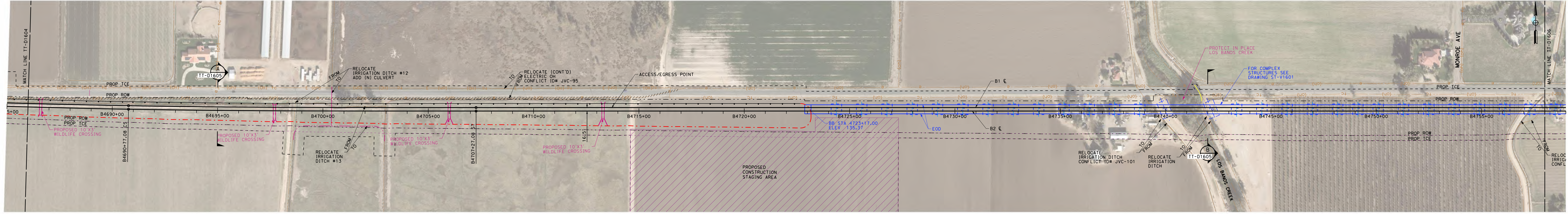
1111 Broadway
9th Floor
Oakland, CA 94607



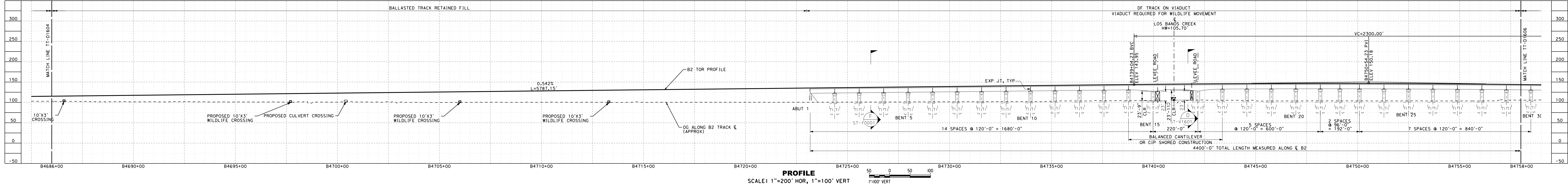
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4614+00 TO B4686+00

CONTRACT NO. HSR15-34
DRAWING NO. TT-D1604
SCALE AS SHOWN
SHEET NO.

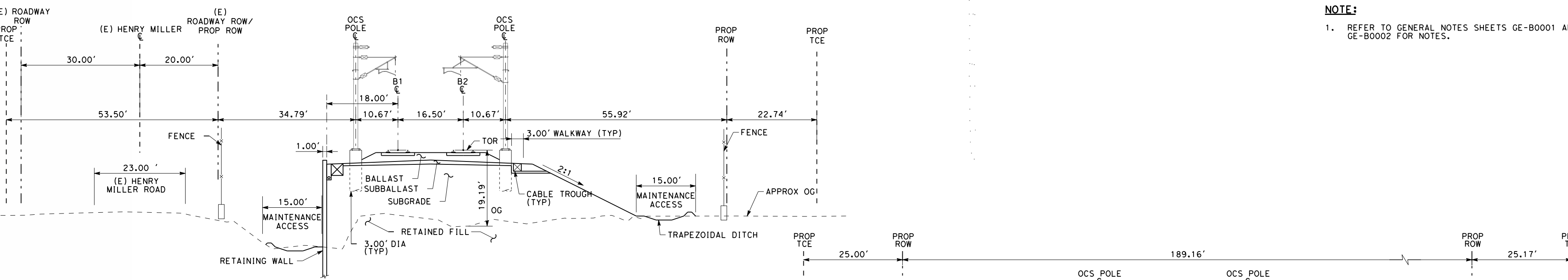
MERCED COUNTY



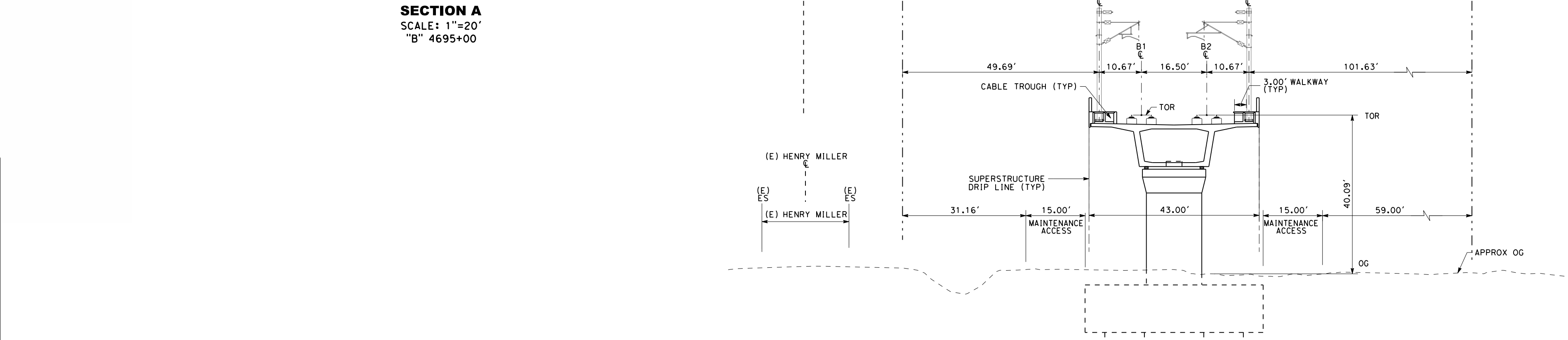
PLAN
SCALE: 1"=200'
1"=200' HOR



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



SECTION A
SCALE: 1"=20'
"B" 4695+00

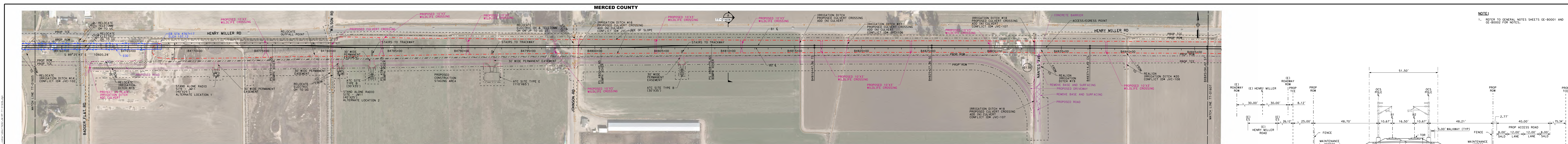


SECTION B
SCALE: 1"=20'
"B" 4742+00

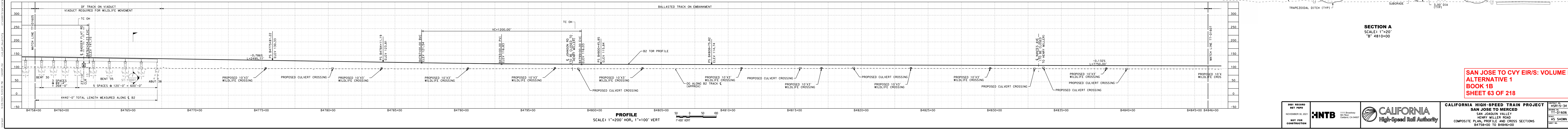
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 62 OF 218**

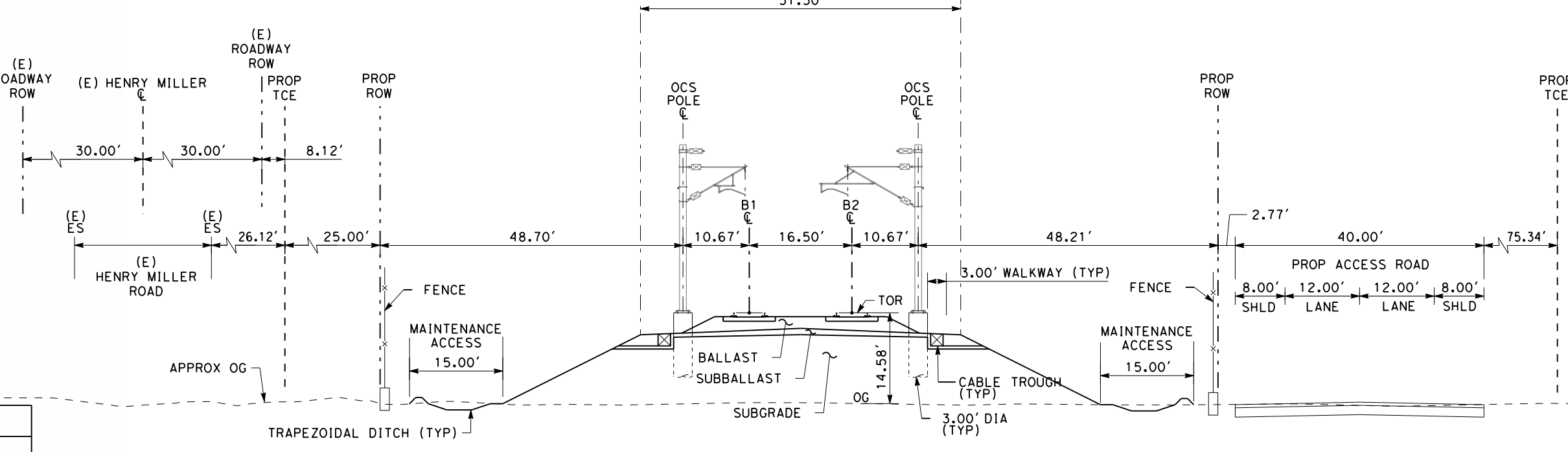
<p>2021 RECORD SET PFD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4686+00 TO B4758+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1605 SCALE AS SHOWN SHEET NO.</p>
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PLAN
SCALE: 1"=200'



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

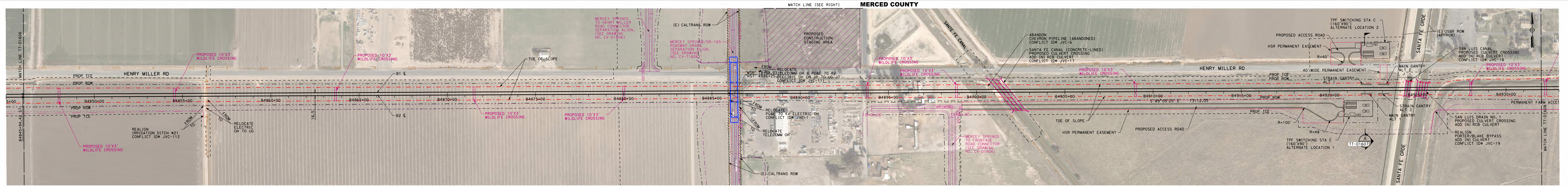


SECTION A
SCALE: 1"=20'
"B" 4810+00

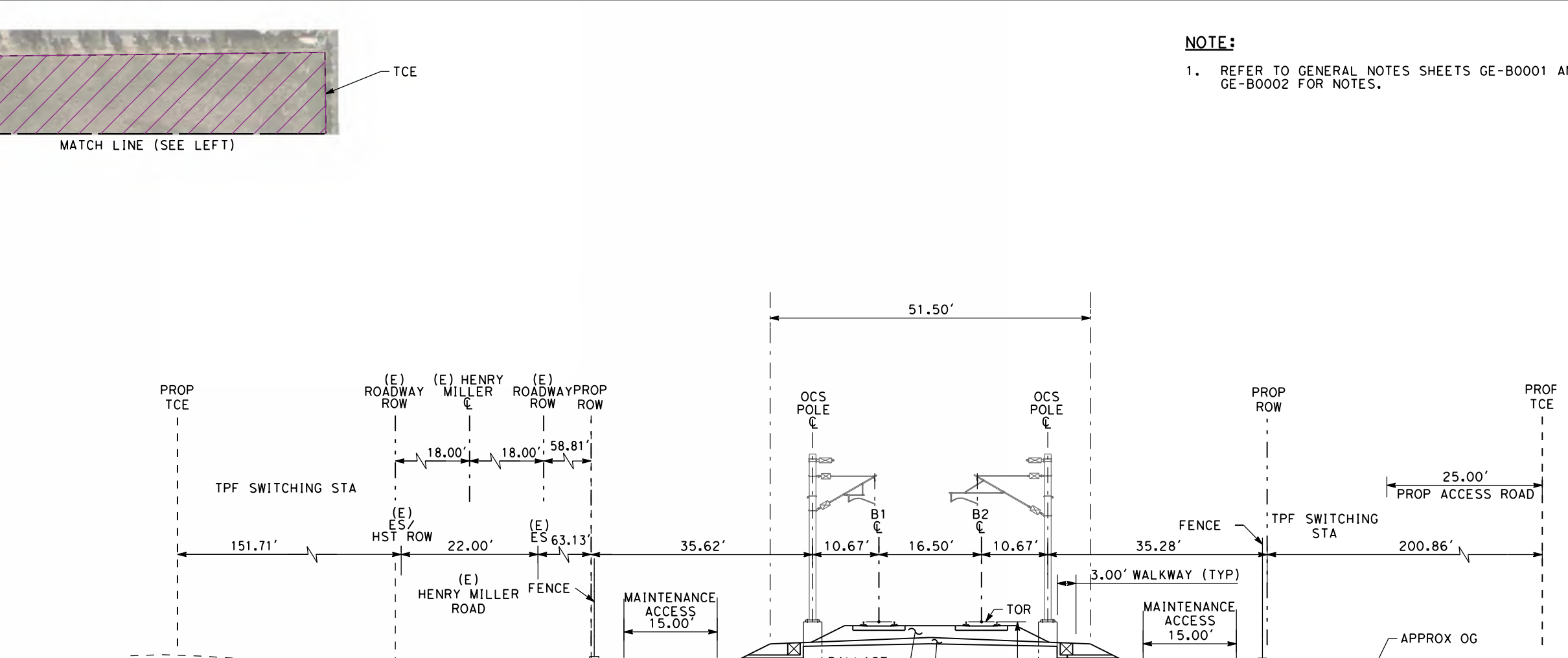
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 63 OF 218

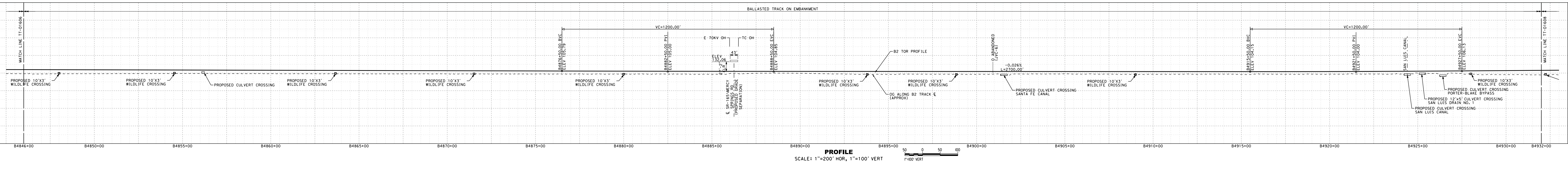
2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4758+00 TO B4846+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1606 SCALE AS SHOWN SHEET NO.
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PLAN
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SECTION A
SCALE: 1"=20'
"B" 4922+00



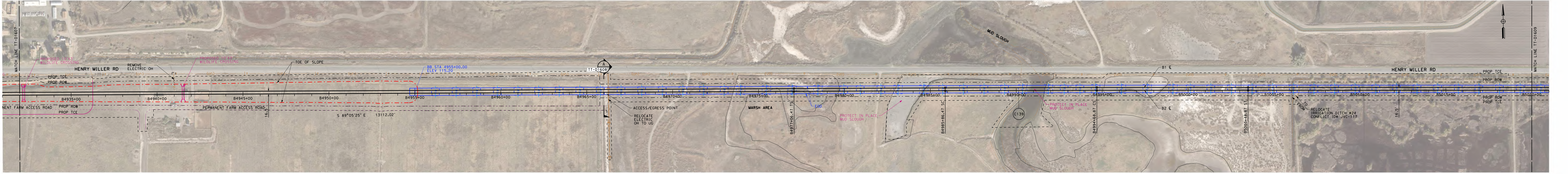
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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

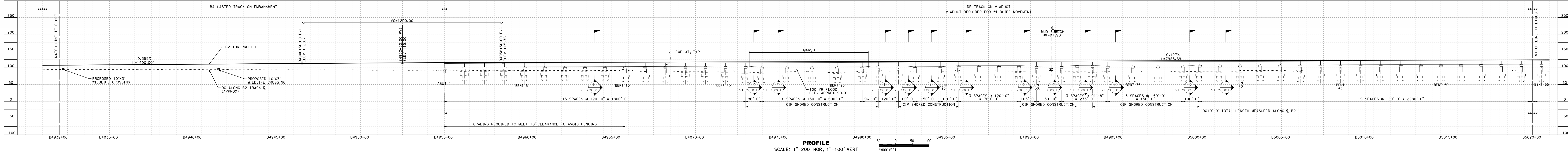
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 64 OF 218

2021 RECORD SET PERM NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	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 COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4846+00 TO B4932+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1607 SCALE AS SHOWN SHEET NO.
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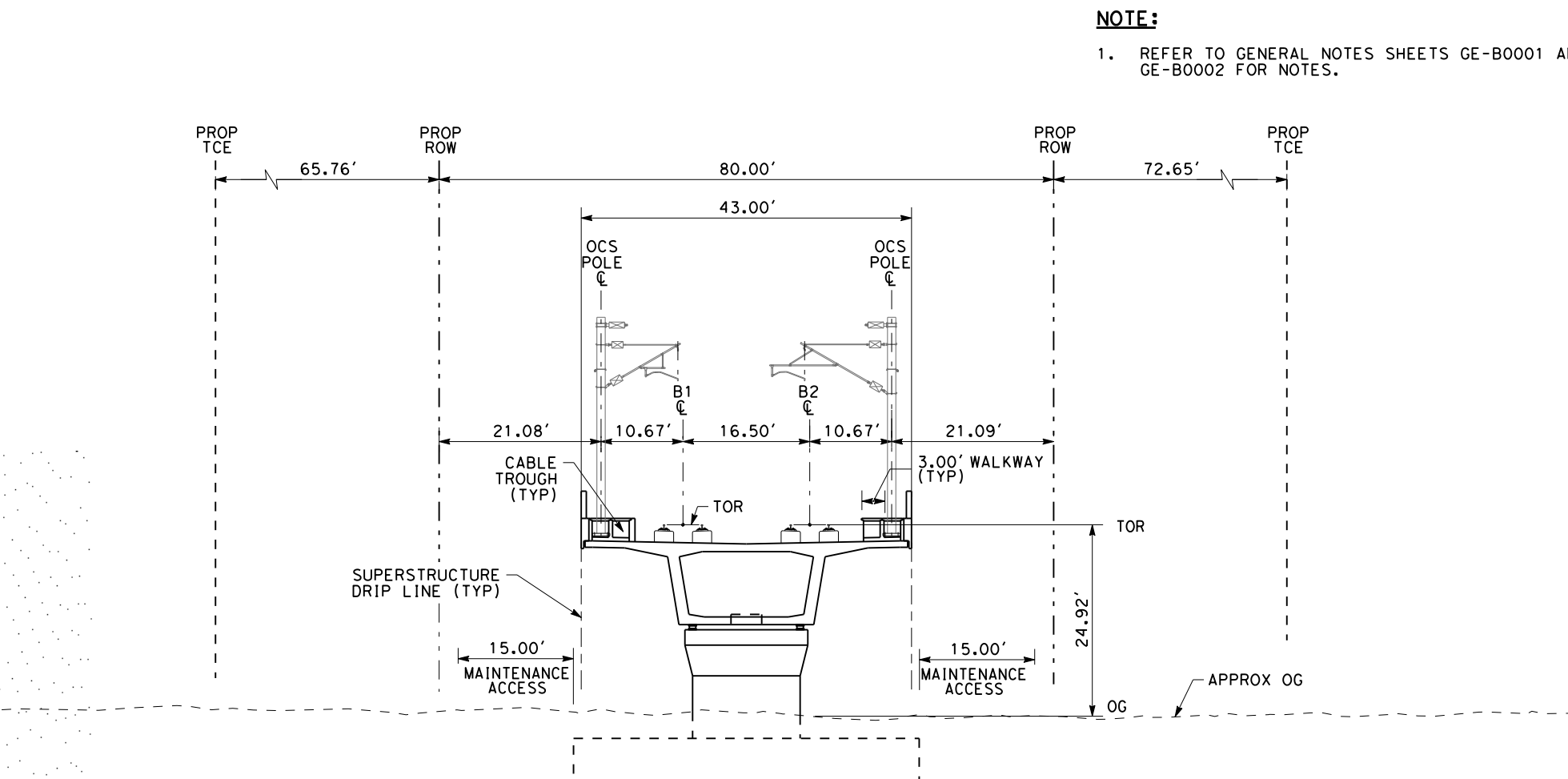
MERCED COUNTY



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



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



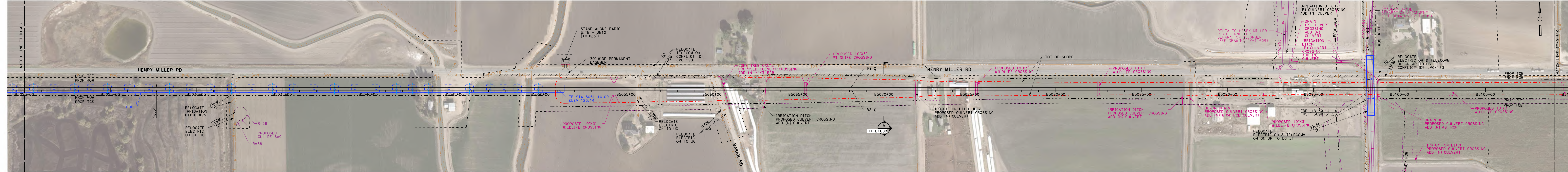
SECTION A
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"B" 4966+00

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

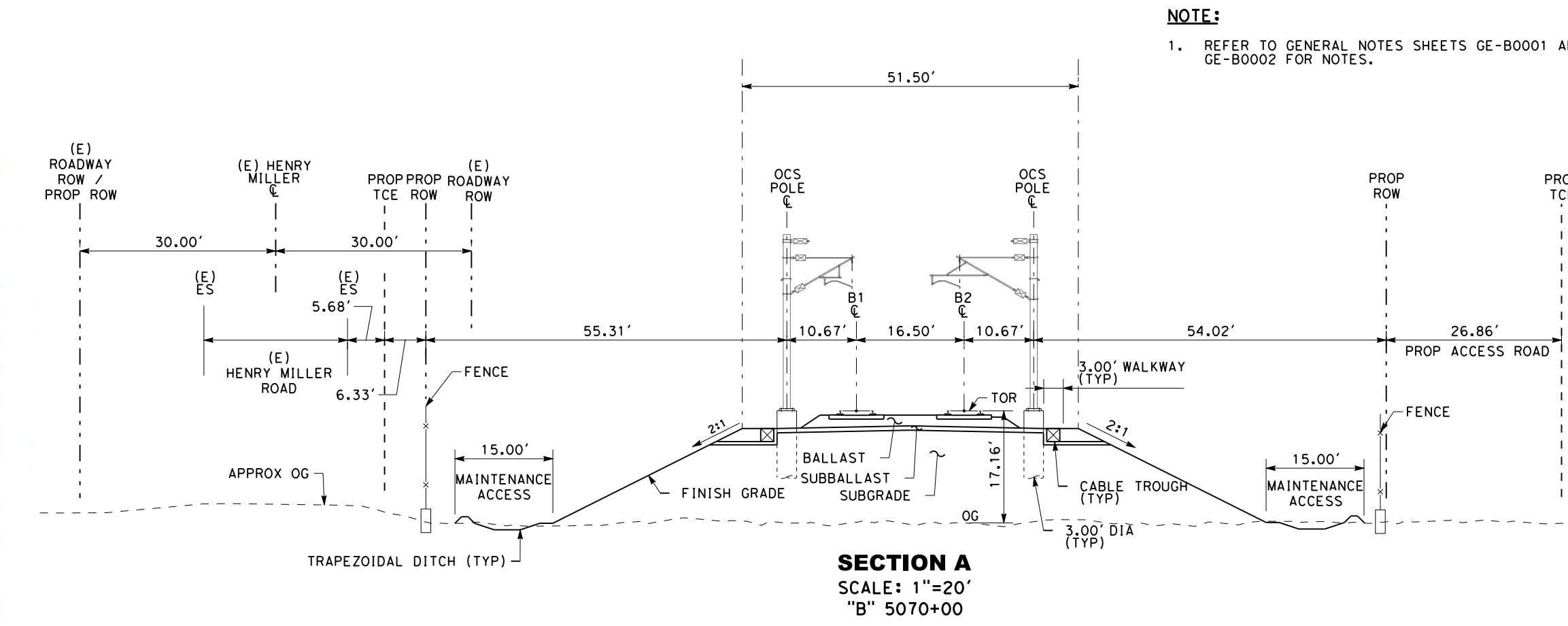
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 65 OF 218

2021 RECORD SET PEPD NOVEMBER 30, 2021 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 COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B4932+00 TO B5020+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1608 SCALE AS SHOWN SHEET NO.
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MERCED COUNTY

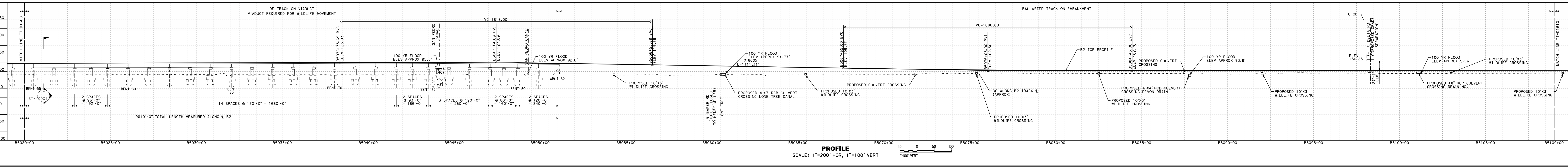


PLAN
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1"=200' HOR



SECTION A
SCALE: 1"=20'
"B" 5070+00

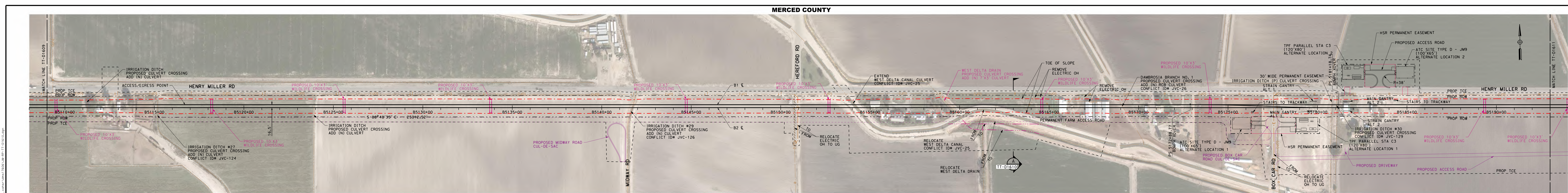
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



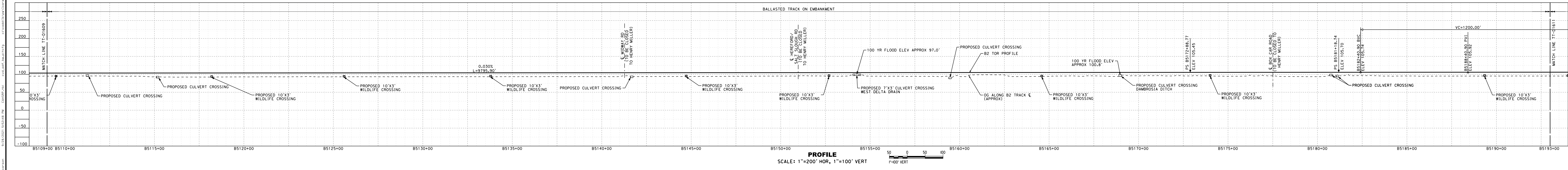
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT
1"=100' VERT

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 66 OF 218

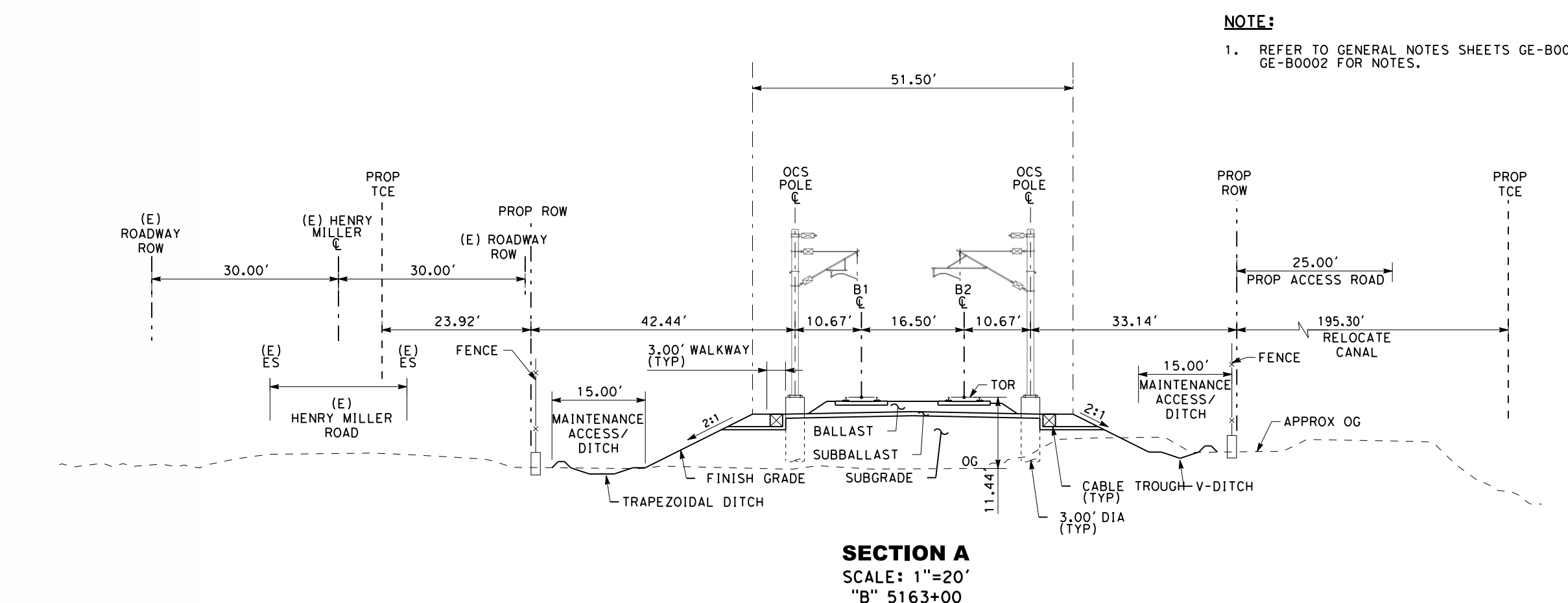
<p>2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION</p>	<p>HNTB 1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B5020+00 TO B5109+00</p>	<p>CONTRACT NO. HSR15-34 DRAWING NO. TT-D1609 SCALE AS SHOWN SHEET NO.</p>
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PLAN
SCALE: 1"=200'



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



SECTION A
SCALE: 1"=20'
"B" 5163+00

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 1B
SHEET 67 OF 218

2021 RECORD SET PEPD NOVEMBER 30, 2021 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 COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B5109+00 TO B5193+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1610 SCALE AS SHOWN SHEET NO.
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11/24/2021 10:44:10 AM c:\p\proj\211602\11602.dwg 11/24/2021 10:44:10 AM c:\p\proj\211602\11602.dwg



MATCH LINE (SEE RIGHT)

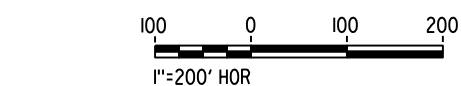
PROJECT BOUNDARY DETAIL
AT STA B5207+00 TO STA B5255+00



MATCH LINE (SEE LEFT)

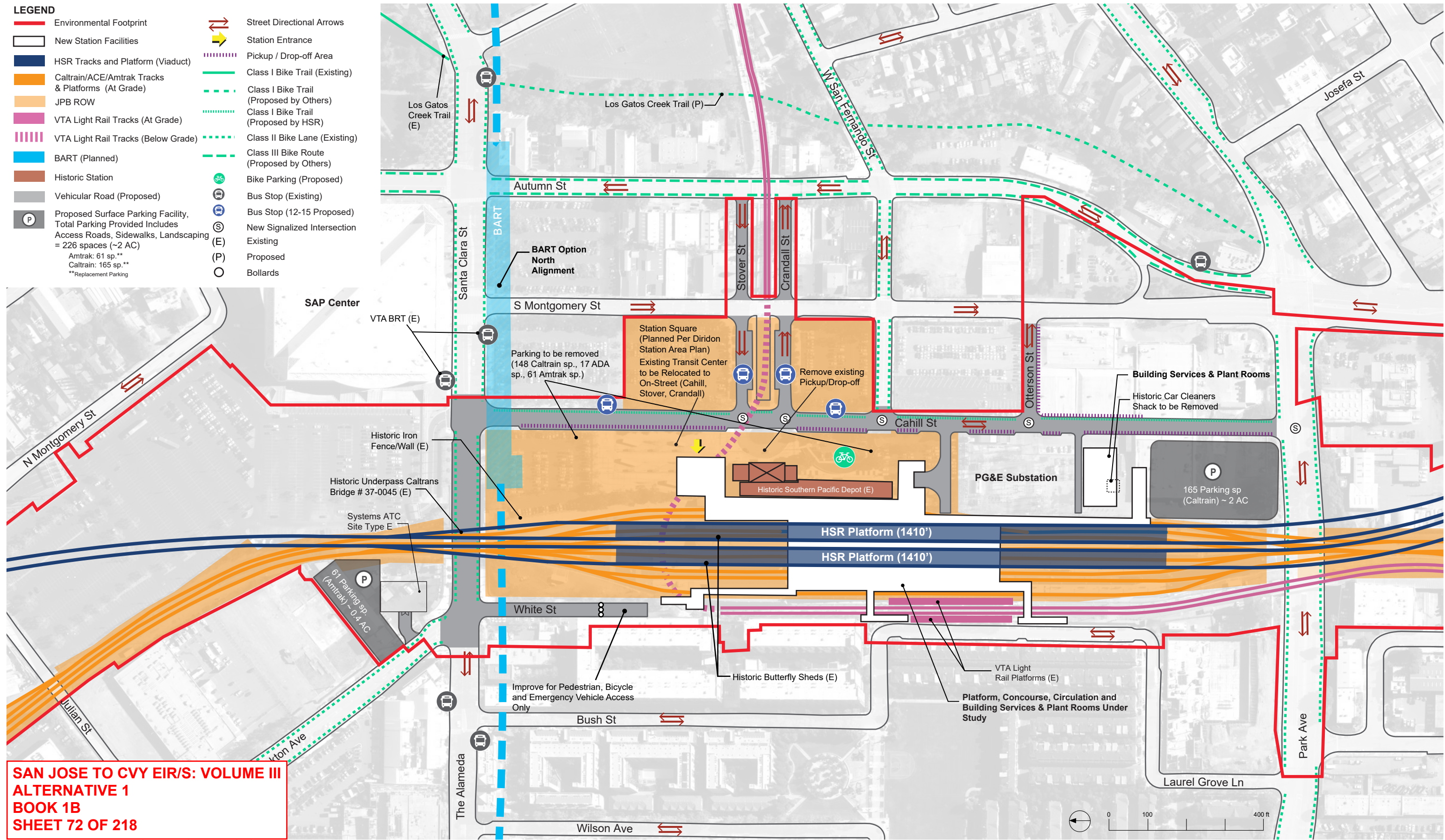
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 71 OF 218

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



2021 RECORD SET PERD NOVEMBER 30, 2021 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 PROJECT BOUNDARY DETAILS	CONTRACT NO. HSR15-34 DRAWING NO. TT-Y1602 SCALE 1"=200' SHEET NO.
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- LEGEND**
- Environmental Footprint
 - New Station Facilities
 - HSR Tracks and Platform (Viaduct)
 - Caltrain/ACE/Amtrak Tracks & Platforms (At Grade)
 - JPB ROW
 - VTA Light Rail Tracks (At Grade)
 - VTA Light Rail Tracks (Below Grade)
 - BART (Planned)
 - Historic Station
 - Vehicular Road (Proposed)
 - P Proposed Surface Parking Facility, Total Parking Provided Includes Access Roads, Sidewalks, Landscaping = 226 spaces (~2 AC)
Amtrak: 61 sp.**
Caltrain: 165 sp.**
**Replacement Parking
 - ↔ Street Directional Arrows
 - ➔ Station Entrance
 - Pickup / Drop-off Area
 - Class I Bike Trail (Existing)
 - Class I Bike Trail (Proposed by Others)
 - Class I Bike Trail (Proposed by HSR)
 - Class II Bike Lane (Existing)
 - Class III Bike Route (Proposed by Others)
 - B Bike Parking (Proposed)
 - BS Bus Stop (Existing)
 - BS Bus Stop (12-15 Proposed)
 - S New Signalized Intersection
 - (E) Existing
 - (P) Proposed
 - O Bollards



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 72 OF 218**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

2021 RECORD SET PEPD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

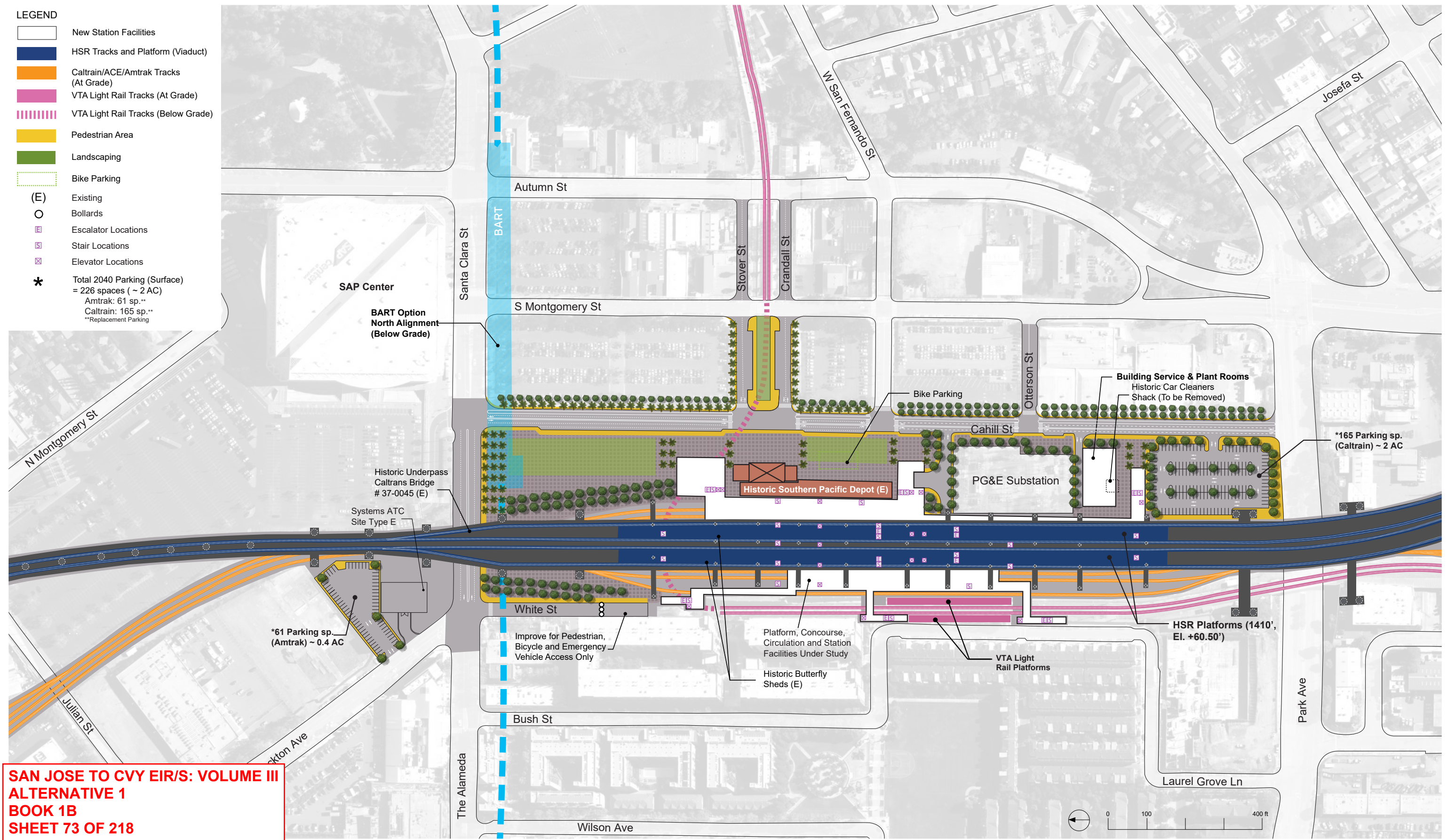
HNTB
1111 Broadway
9th Floor
Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO I-880
SAN JOSE DIRIDON STATION
GENERAL SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0101
SCALE	AS SHOWN
SHEET NO.	

- LEGEND**
- New Station Facilities
 - HSR Tracks and Platform (Viaduct)
 - Caltrain/ACE/Amtrak Tracks (At Grade)
 - VTA Light Rail Tracks (At Grade)
 - VTA Light Rail Tracks (Below Grade)
 - Pedestrian Area
 - Landscaping
 - Bike Parking
 - (E) Existing
 - Bollards
 - Escalator Locations
 - Stair Locations
 - Elevator Locations
 - * Total 2040 Parking (Surface) = 226 spaces (~ 2 AC)
Amtrak: 61 sp.~
Caltrain: 165 sp.~
**Replacement Parking



SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 1
 BOOK 1B
 SHEET 73 OF 218

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

2021 RECORD
 SET PEPD
 NOVEMBER 30, 2021
 NOT FOR
 CONSTRUCTION

HNTB

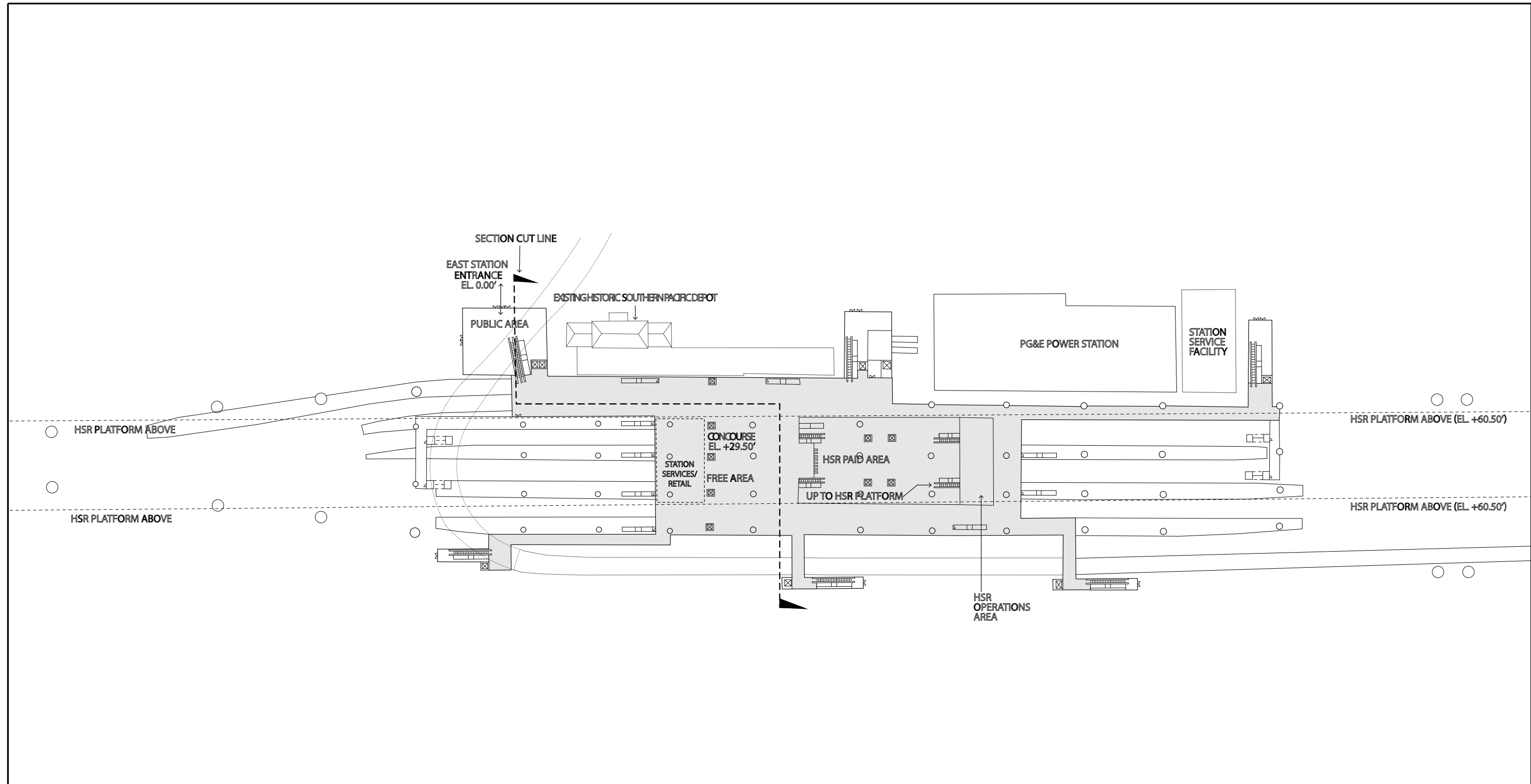
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA

High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 SAN JOSE DIRIDON STATION
 DETAILED SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0102
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 74 OF 218**

REV	D-TE	BY	CHK	-PP	DESCRIPTION

DESIGNED BY	
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IN CHARGE	
DATE	

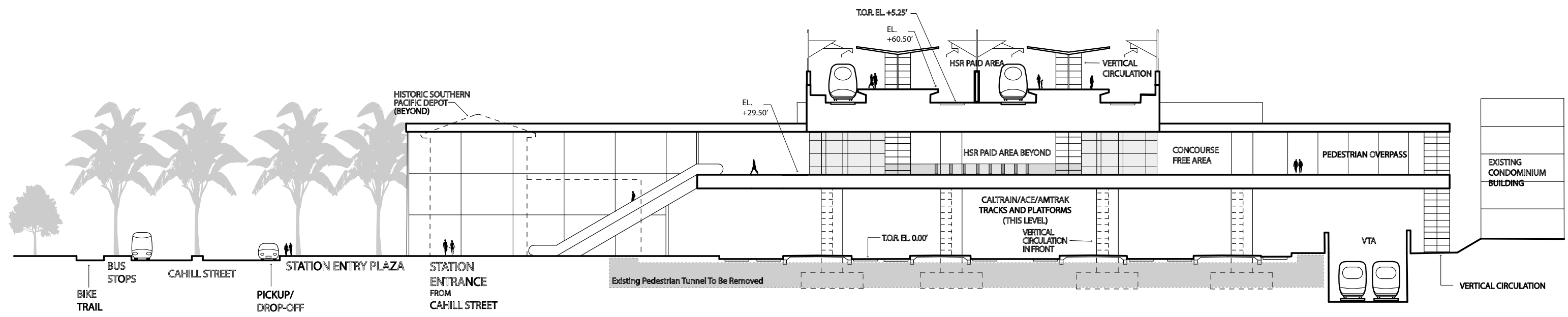
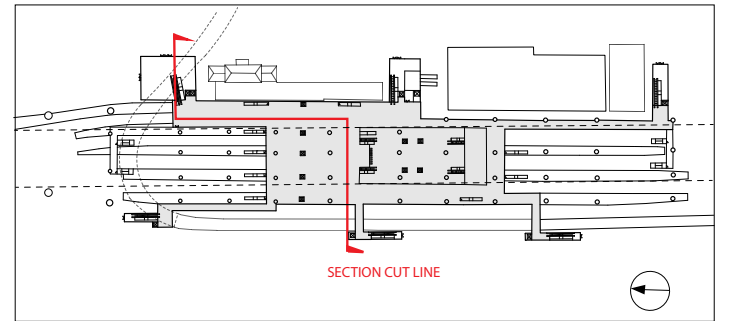
2021 RECORD SET
PEPD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

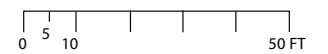
CALIFORNIA
High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO I-880
SAN JOSE DIRIDON STATION
CONCOURSE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-F0101
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 1
 BOOK 1B
 SHEET 75 OF 218**



REV	D-TE	BY	CHK	-PP	DESCRIPTION

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

2021 RECORD SET PEPP
 NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

HNTB 1111 Broadway
 9th Floor
 Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 SAN JOSE DIRIDON STATION
 SECTION

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0101
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 1
 BOOK 1B
 SHEET 76 OF 218**

REV	D-TE	BY	CHK	-PP	DESCRIPTION

DESIGNED BY
 DRAWN BY
 CHECKED BY
 IN CHARGE
 DATE

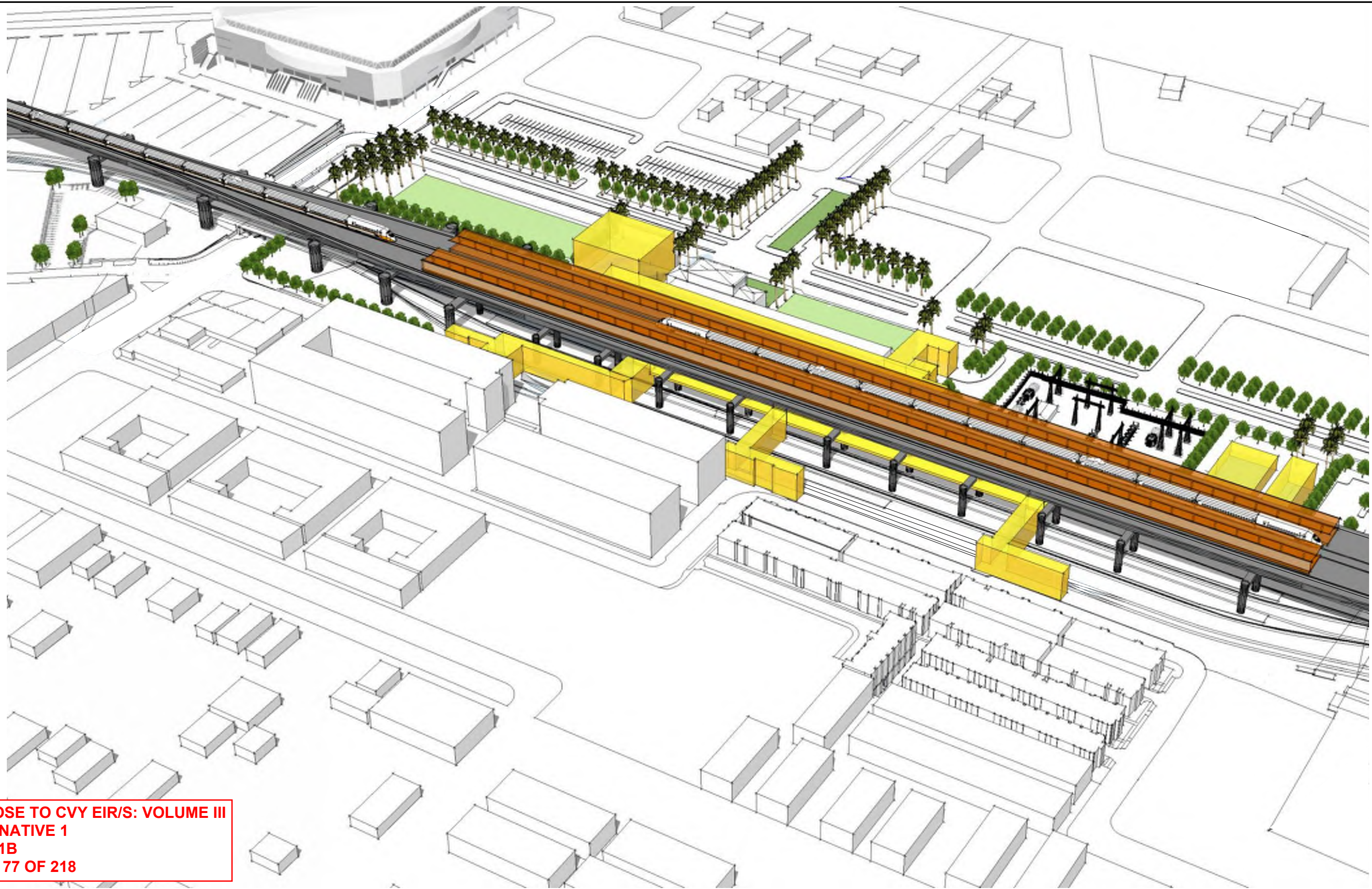
**2021 RECORD
 SET PEPP**
 NOVEMBER 30, 2021
**NOT FOR
 CONSTRUCTION**

HNTB 1111 Broadway
 9th Floor
 Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED**
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 SAN JOSE DIRIDON STATION
 MASSING DIAGRAM 1

CONTRACT NO.
 HSR15-34
 DRAWING NO.
 AR-Y0102
 SCALE
 AS SHOWN
 SHEET NO.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 77 OF 218**

REV	D-TE	BY	CHK	-PP	DESCRIPTION

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE

**2021 RECORD
SET PEPP**

NOVEMBER 30, 2021

**NOT FOR
CONSTRUCTION**

HNTB 1111 Broadway
9th Floor
Oakland, CA 94607




**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO I-880
SAN JOSE DIRIDON STATION
MASSING DIAGRAM 2

CONTRACT NO.
HSR15-34
DRAWING NO.
AR-Y0103
SCALE
AS SHOWN
SHEET NO.

Diridon Station Programming & Area Requirements Table				
Category	Description	Formula	Requirement Area / Unit	Comments
Daily Peak Ridership Boardings 2040	Long Distance	15,430	15,430	Planning Memorandum Station Boardings, Access, Egress and Parking INST-PLAN-05
P360B	Highest Daily Boardings x Conversion Factor for Boardings = 6 Hour Boardings	Highest Daily Boardings x 0.67=P360B 6,000 x 0.67	10,338	California HSTP Design Criteria, Chapter 14-Stations, Oct 2015, Working Draft, Rev. 2 Table 14-1 Passenger Ridership Assumptions Table 14-3 Concourse Circulation and Waiting Areas
P360A	Peak 6 Hour Boardings x Conversion Factor for Alightings = 6 Hour Alightings	P360B x 0.75=P360A 10,385 x 0.75	7,754	
P60B	Peak 6 Hour Boardings x Peak Hour Conversion Factor for Boardings = Peak Hour Boardings	P360B x 0.17=P60B 10,385 X 0.17	1,757	
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings = Peak Hour Alightings	P60B x 0.75=P60A 1,765 x 0.75	1,318	
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30 Minute Boardings	(P60B /2) x 1.2=P30B (1,765/2) x 1.2	1,054	
P30A	Peak 30 Minute Boardings x Conversion Factor = Peak 30 Minute Alightings	P30B x 0.075=P30A 1,059 x 0.75	791	
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15 Minute Boardings	(P60B /4) x 1.3= P15B (1,765 /4) x 1.3	571	
P15A	Peak 15 Minute Boardings x Conversion Factor=Peak 15 Minute Alightings	P15B x 0.75=P15A 574 x 0.75	428	
P5B	Peak Hour Boardings /12 x Surge Factor = Peak 5 Minute Boardings	(P60B /12) x 1.4= P5B (1,765 /12) x 1.4	205	
P5A	Peak 5 Minute Boardings x Conversion Factor = Peak 5 Minute Alightings	P5B x 0.75=P5A 206 x 0.75	154	
P1B	Peak Hour Boardings /60 x Surge Factor=Peak 1 Minute Boardings	(P60B /60) x 1.5=P1B (1,765/60) x 1.5	44	
P1A	Peak 1 Minute Boardings x Conversion Factor for Alightings=Peak 1 Minute Alightings	P1Bx0.75 17x0.75	33	
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (222+167)/(15x10 people/ft/min)	16	
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 SF ((222x1.1) +(167x0.1)) x 14	9,396	
Public Restrooms	Women + Men + Unisex Accessible Restroom for Each Group	(P15B+P15A)/ 2 (222+167) /2	499.8	
Passenger Amenity Space Allocation	Station Design Target Year Daily Boardings	9,000	9,000	California HSTP Design Criteria, Chapter 14 - Stations, March Rev. 2 14.3.5.5 Station Public Amenity (Commercial) Spaces, Table 14-7
Ticket Windows	Station Quantity	P60B/600 1765/600	3	
Ticket Vending Machines		P60B/280 1765/280	6	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 430/50 One additional gate to be provided if under 10	9	14.3.5.6 D
Emergency Gates			2	14.3.3.6
Sr	Seating at Concourse Fare Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x 0.25	1,581	Table 14-22: Station Seating

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 78 OF 218**

					DESIGNED BY	2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 SAN JOSE DIRIDON STATION FACILITY SIZING TABLE			CONTRACT NO. HSR15-34
					DRAWN BY				DRAWING NO. AR-Y0104			
					CHECKED BY				SCALE AS SHOWN			
					IN CHARGE				SHEET NO.			
					DATE							
REV	D-TE	BY	CHK	-PP	DESCRIPTION							

Diridon Station Facility Sizing Table

Projected Daily Ridership (2040) 15,430, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Concourse Public Free Areas	Station Concourse (Free Area - Main Hall)	35,984	1.2	29,987	P15 x 30 SF /person 389 x 30	14.3.5.3	P15 = P15 B + P15 A = 389 Using Memorandum dated May 10, 2016, Attachment E Facility Sizing Table Example
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Mezzanine						Included with the concourse Area
	Passenger Waiting Area	11,275	1.2	9,396	((P15B x 1.1)+(P15Ax0.1)) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev. 2, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse Circulation and Waiting Areas
	Ticket Vending Machines (TVM)	188	1.2	6	P60B/280, 1765/280	Table 14-5	Includes queuing space
	Baggage Storage (Concessionaire)	TBD					TBD
	Retail (Concessionaire)	10,800	1.2	9,000		Table 14-7	More than 15,000 daily boardings
	Restaurant (Concessionaire)	0				Table 14-7	Included in the 9,000 SF
	Food Service (Concessionaire)	0				Table 14-7	Included in the 9,000 SF
	Business Lounge	720	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	2,448	1.2	2040	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 assembly occupancy, 502 male, 502 female, 2 unisex Female: 7 water closets, 5 lavatories Male: 3 water closets, 4 urinal, 5 lavatories 2 drinking fountains
Janitor Closets	288	1.2	240	60 x 4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.	
Standard Areas	Ticket Window Counters	879	2	150	Window Counter 5F min. 75 SF/window (2 windows) P60B/600, 1,765/600	14.3.5.6.B 14.3.5.7A	
	Station Patron Information Booth	100	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
	Red "Cap" Booth						TBD
Security	Police Office	1,000	2	500		14.3.6.2.A	
	Police Restrooms + Lockers			TBD	CBC 2016, CPC 2016		
	Janitor Closets	120	2	60		14.3.7.1.D	
	Security Guard Office	288	2	144		14.3.6.2.B	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 79 OF 218**

					DESIGNED BY	2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 SAN JOSE DIRIDON STATION FACILITY SIZING TABLE			CONTRACT NO. HSR15-34
					DRAWN BY				DRAWING NO. AR-Y0105			
					CHECKED BY				SCALE AS SHOWN			
					IN CHARGE				SHEET NO.			
					DATE							
REV	D-TE	BY	CHK	-PP	DESCRIPTION							



Diridon Station Facility Sizing Table

Projected Daily Ridership (2040) 15,430, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Non-Public Station Staff Only	Ticket Administration, Handling & Storage	520	2	260		14.3.5.6.B 14.3.5.7 14.3.6.2.C-D	Ticket Administration Office 75 SF /window
	Lost & Found & First Aid Room	400	2	200	100 SF x (2)	14.3.6.1.E-F	
	Station Control Room (SCR)	2,200	2	1,100		14.3.6.2.E	
	Main Station Computer Room	1,000	2	500		14.3.6.2.F	
	Temporary Incident Command Post (CP)	600	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	2,200	2	1,100		14.3.6.2.H	
	SOR Dedicated Computer Room, SOR Workroom	1,000	2	500		14.3.6.2.F-H	
	Main OCC Computer Room	1,000	2	500		14.6.3.2.F	
	Staff Lockers, Showers, Restrooms	TBD	2		CBC 2016	14.3.6.1.I	Will need number of staff projection to determine SF required.
	Janitor Closets	120	2	60		14.3.7.1.C	
	Staff Breakroom & Meeting Rooms	800	2	400	200 SF x (2)	14.3.6.1.G-H	200 SF min or as req to provide 25 SF /staff
	Station Manager Office	288	2	144		14.3.6.1.A	
	Facility Manager's Office	288	2	144		14.3.6.1.C	
	Administration Office Space	600	2	300		14.3.6.1.B	
	Facilities Maintenance Office	660	2	330		14.3.6.1.C	
	Station General Storage Rooms	400	2	200		14.3.7.1.E	Add 60 SF for miscellaneous storage if required.
	Platform Area Op. Mgt. Booth	100	1	100	Standard Unit	14.3.6.2.I	One OMB to be provided on each platform.
	Train Control /Communications Room	3,830	2	1,915		14.3.7.2	Table 14-8, for the train control and communications equipment.
	Entrance Facility Room	480	2	240		14.3.7.2	Table 14-8, for entry of service cabling into the building. May be co-located with the TCC room.
	3rd Party Telecom Room	240	2	120		14.3.7.2	Table 14-8, for local telephone company.
Communications Closets	260	2	130	130 SF each	14.3.7.2	Table 14-8, number TBD. Locate close to center of each 10,000 SF of station floor area.	
Renewable Energy/Stormwater			TBD				
Building Services & Plant Rooms	Mech., Elec. & Plumbing Rooms			TBD	Gross Factor	14.3.7.2	
	Battery Room	800	2	400	200 SF x (2)	14.3.7.4.B	Two rooms required, including one room at each end of station for low voltage (LV) batteries.
	UPS Room	3,600	2	1,800	900 SF x (2)	14.3.7.4.C	Two rooms required, one at each end of station for LV distribution, transforming, EP
	Fire Detection & Protection Rooms			TBD	Gross Factor	14.3.7.6	
Maint. Support Areas	Main Station Recycling/Refuse	300	2	150	150 SF min.	14.3.7.1.A	
	Secondary Station Recycling	120	2	60		14.3.7.1.C	
	Landscape Maintenance Room	200	2	100		14.3.7.1.F	
	Loading Dock			TBD		14.3.7.1.H	
TOTAL AREA - WEST ENTRANCE & CONCOURSE:		86,096		SF			

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 80 OF 218**

DESIGNED BY	2021 RECORD SET PEPP NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 SAN JOSE DIRIDON STATION FACILITY SIZING TABLE	CONTRACT NO.	
DRAWN BY					HSR15-34	
CHECKED BY					DRAWING NO.	
IN CHARGE					AR-Y0106	
D-TE					SCALE	
REV	D-TE	BY	CHK	-PP	DESCRIPTION	SHEET NO.

Diridon Station Facility Sizing Table

Projected Daily Ridership (2040) 15,430, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking



STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

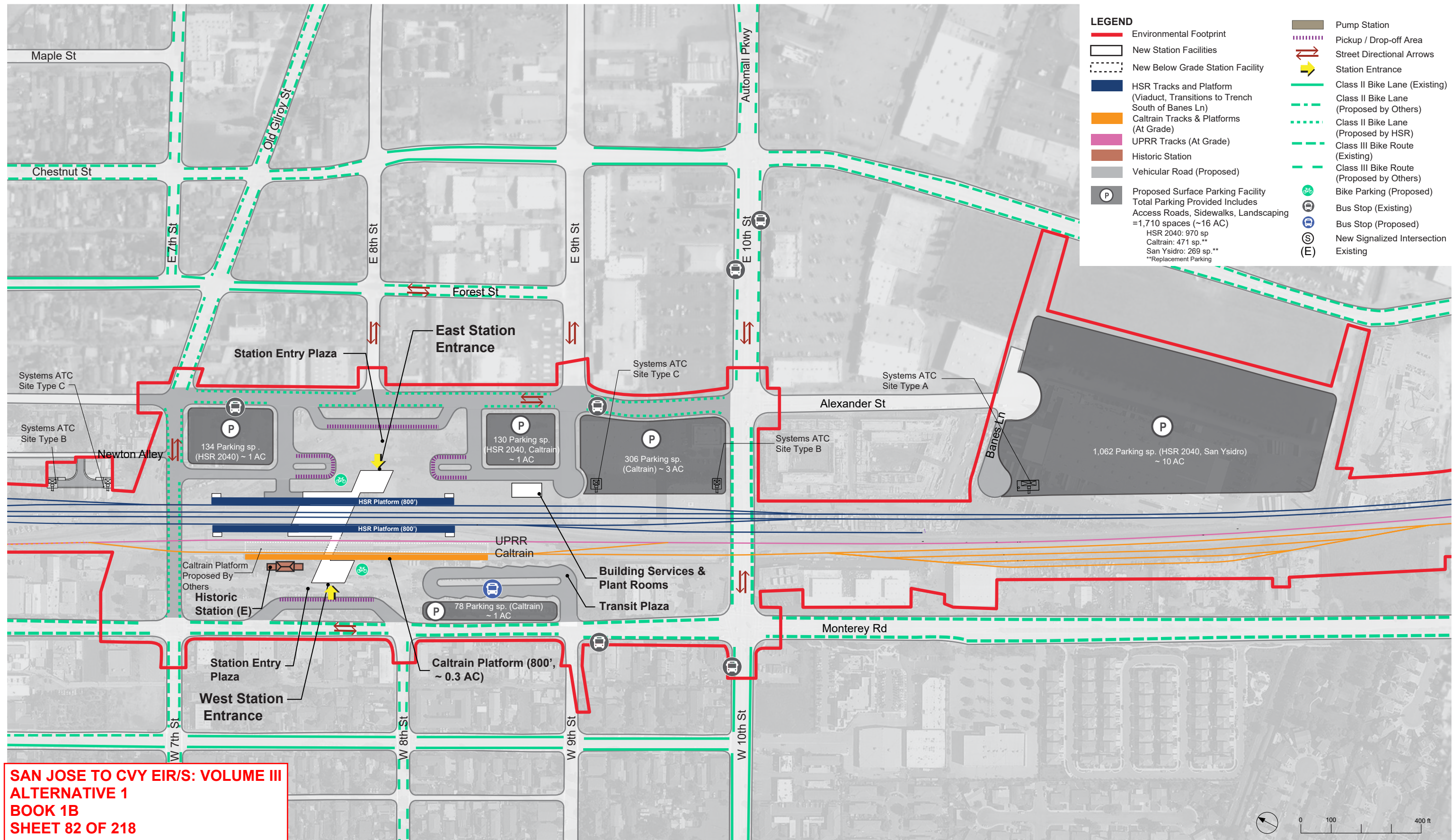
	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Concourse Public Free Areas West Station	Concourse (Free Area)	8,996.09	1.2	7,497	P15 x 30 SF /person, 251x30	14.3.5.3	P15 = P15 B + P15 A. Using Memorandum dated May 10, 2016, Attachment E Facility Sizing Table Example 20% - 25% of the P15 of the Main Station North Entrance, about 97 passengers.
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Passenger Waiting Area	2,818.77	1.2	2349	(((P15B x1.1) + (P15Ax0.1))x25%) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev. 2 and October 2015, Working Draft, Rev. 2 Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse Circulation and Waiting Areas 20% - 25% of 15B (Main Station) = 56; 20% - 25% of 15A (Main Station)
	Ticket Vending Machines (TVM)	82.00		2	P60B/280, 683x25%/280	Table 14-5	Includes queuing space; 20% -25% of P60 B (Main Station) 170
	Public Restrooms	1,224.00	1.2	1020	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 assembly occupancy, 250 male, 250 female, 2 unisex Female: 4 water closets, 2 lavatories Male: 2 water closets, 2 urinal, 2 lavatories 2 drinking fountains
	Janitor Closet	72	1.2	60		14.3.7.1.D	

TOTAL AREA - EAST ENTRANCE: 13,193 SF

	Platform Area (800'x30')x2	48,000					
	Bus Bays						Included in Cahill transit street improvement
	Parking Area						No parking for HSR provided
	Pickup and Drop-off						Included in Cahill transit street improvement

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 81 OF 218**

					DESIGNED BY	2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 SAN JOSE DIRIDON STATION FACILITY SIZING TABLE			CONTRACT NO. HSR15-34
					DRAWN BY				DRAWING NO. AR-Y0107			
					CHECKED BY				SCALE AS SHOWN			
					IN CHARGE				SHEET NO.			
					DATE							
REV	D-TE	BY	CHK	-PP	DESCRIPTION							



LEGEND

- Environmental Footprint
- New Station Facilities
- New Below Grade Station Facility
- HSR Tracks and Platform (Viaduct, Transitions to Trench South of Banes Ln)
- Caltrain Tracks & Platforms (At Grade)
- UPRR Tracks (At Grade)
- Historic Station
- Vehicular Road (Proposed)
- Proposed Surface Parking Facility
- Total Parking Provided Includes Access Roads, Sidewalks, Landscaping = 1,710 spaces (~16 AC)
- HSR 2040: 970 sp
- Caltrain: 471 sp.**
- San Ysidro: 269 sp.**
- **Replacement Parking
- Pump Station
- Pickup / Drop-off Area
- Street Directional Arrows
- Station Entrance
- Class II Bike Lane (Existing)
- Class II Bike Lane (Proposed by Others)
- Class II Bike Lane (Proposed by HSR)
- Class III Bike Route (Existing)
- Class III Bike Route (Proposed by Others)
- Bike Parking (Proposed)
- Bus Stop (Existing)
- Bus Stop (Proposed)
- New Signalized Intersection
- Existing

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 82 OF 218**

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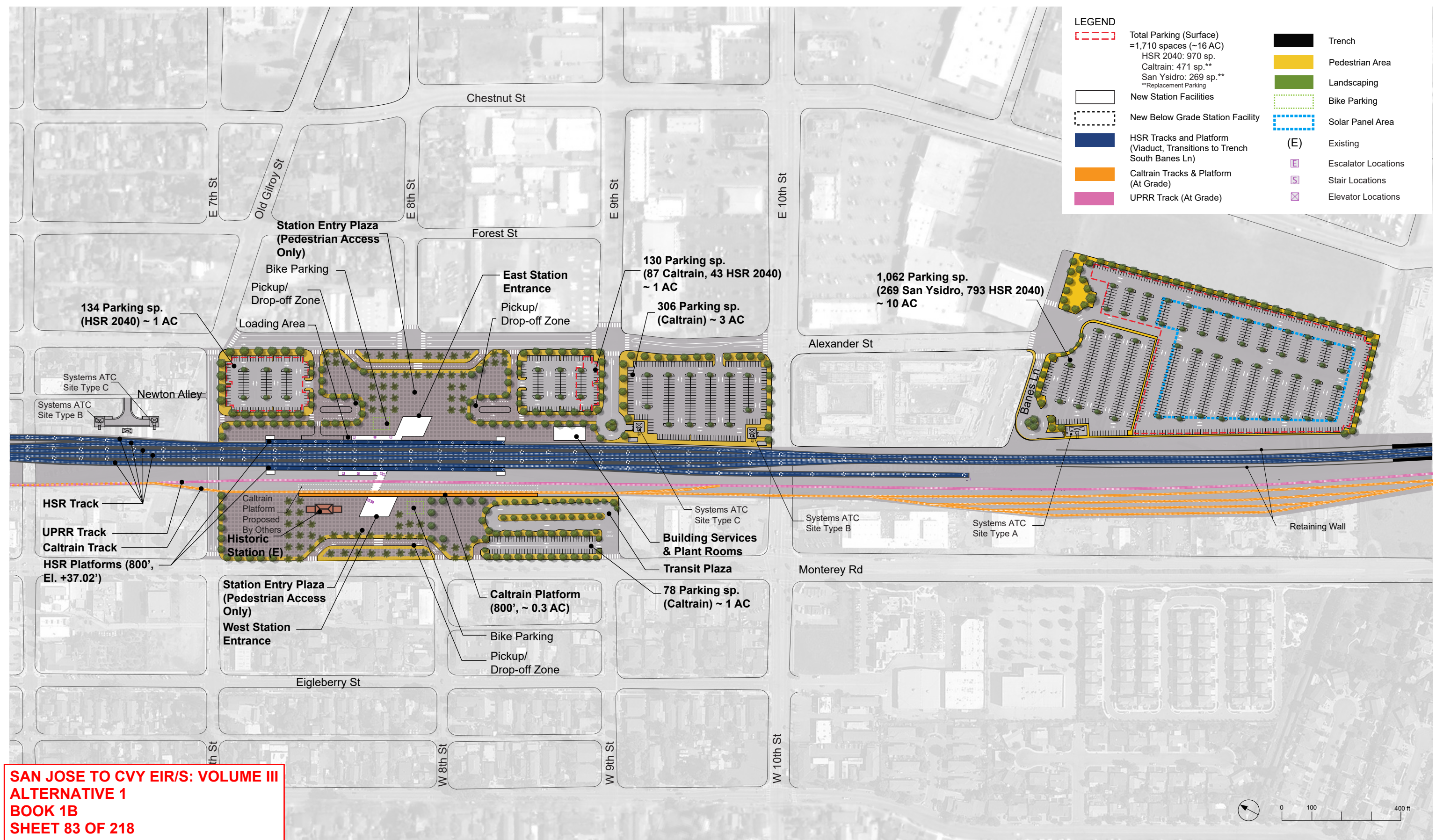
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HNTB 1111 Broadway
9th Floor
Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY STATION
GENERAL SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0901
SCALE	AS SHOWN
SHEET NO.	



LEGEND

- Total Parking (Surface) = 1,710 spaces (~16 AC)
 HSR 2040: 970 sp.
 Caltrain: 471 sp.**
 San Ysidro: 269 sp.**
**Replacement Parking
- New Station Facilities
- New Below Grade Station Facility
- HSR Tracks and Platform (Viaduct, Transitions to Trench South Banes Ln)
- Caltrain Tracks & Platform (At Grade)
- UPRR Track (At Grade)
- Trench
- Pedestrian Area
- Landscaping
- Bike Parking
- Solar Panel Area
- (E) Existing
- Escalator Locations
- Stair Locations
- Elevator Locations

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 1
 BOOK 1B
 SHEET 83 OF 218

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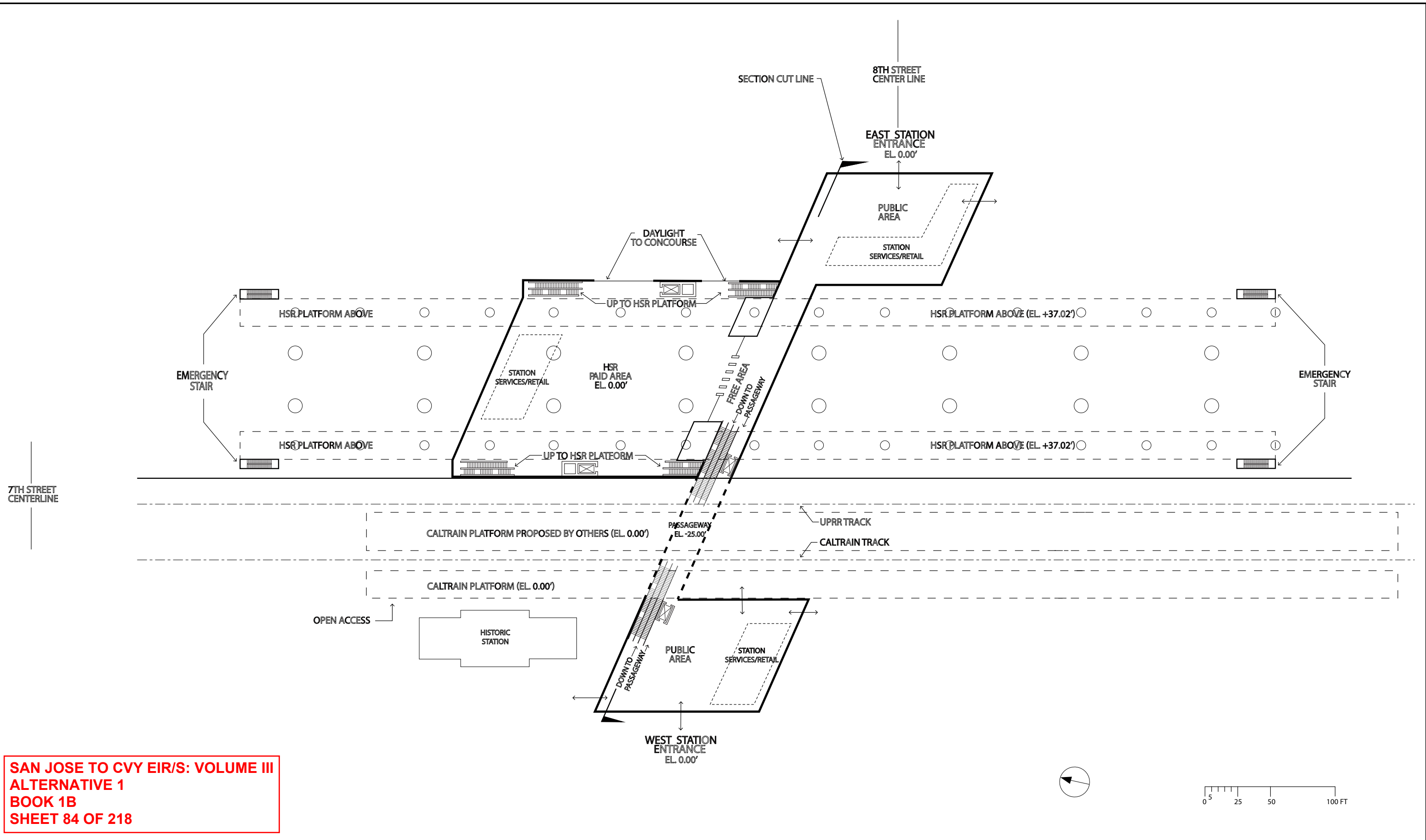
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Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 VIADUCT TO DOWNTOWN GILROY
 DOWNTOWN GILROY STATION
 DETAILED SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0902
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 84 OF 218**

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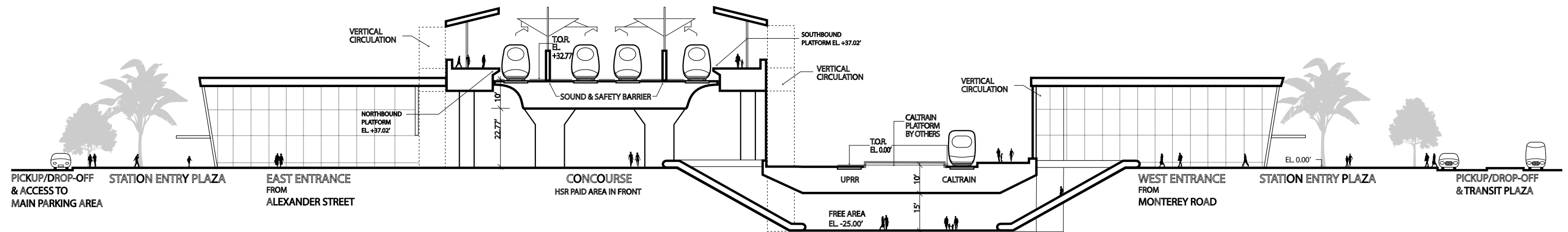
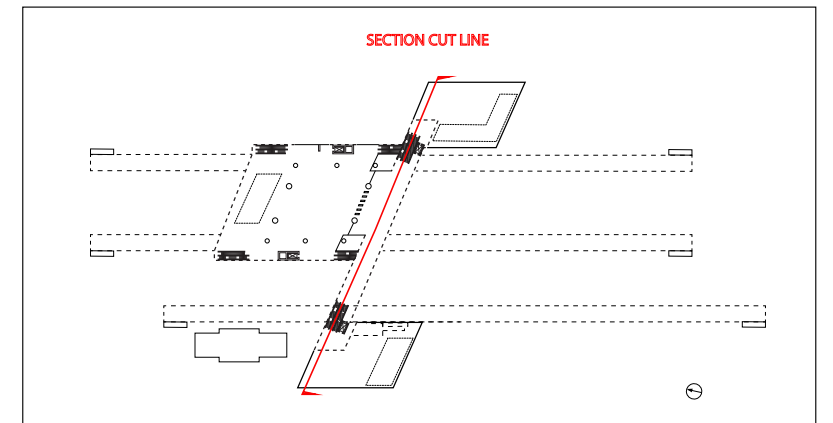
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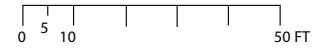


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY STATION
CONCOURSE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-F0901
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 85 OF 218**



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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
DOWNTOWN GILROY STATION
SECTION

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0901
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 86 OF 218**

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SET PEPP**

NOVEMBER 30, 2021

**NOT FOR
CONSTRUCTION**

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CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY STATION
MASSING DIAGRAM 1

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0902
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 87 OF 218**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY STATION
MASSING DIAGRAM 2

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0903
SCALE	AS SHOWN
SHEET NO.	

Downtown Gilroy Station - Viaduct Programming & Area Requirements Table				
Category	Description	Formula	Requirement Area / Unit	Comments
Daily Peak Ridership Boardings 2040	Long Distance	6,210	6,210	Planning Memorandum Station Boardings, Access, Egress and Parking INST-PLAN-05
P360B	Highest Daily Boardings x Conversion Factor for Boardings = 6 Hour Boardings	Highest Daily Boardings x 0.67=P360B 6,000 x 0.67	4,161	California HSTP Design Criteria, Chapter 14-Stations, Oct 2015, Working Draft, Rev.2 Table 14-1 Passenger Ridership Assumptions Table 14-3 Concourse Circulation and Waiting Areas
P360A	Peak 6 Hour Boardings x Conversion Factor for Alightings = 6 Hour Alightings	P360B x 0.75=P360A 4,020 x 0.75	3,121	
P60B	Peak 6 Hour Boardings x Peak Hour Conversion Factor for Boardings = Peak Hour Boardings	P360B x 0.17=P60B 4,020 x 0.17	707	
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings = Peak Hour Alightings	P60B x 0.75=P60A 683 x 0.75	530	
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30 Minute Boardings	(P60B /2) x 1.2=P30B (683/2) x 1.2	424	
P30A	Peak 30 Minute Boardings x Conversion Factor = Peak 30 Minute Alightings	P30B x 0.075=P30A 410 x 0.75	318	
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15 Minute Boardings	(P60B /4) x 1.3= P15B (683 /4) x 1.3	230	
P15A	Peak 15 Minute Boardings x Conversion Factor = Peak 15 Minute Alightings	P15B x 0.75=P15A 222 x 0.75	172	
P5B	Peak Hour Boardings /12 x Surge Factor = Peak 5 Minute Boardings	(P60B /12) x 1.4= P5B (683 /12) x 1.4	83	
P5A	Peak 5 Minute Boardings x Conversion Factor = Peak 5 Minute Alightings	P5B x 0.75=P5A 80 x 0.75	62	
P1B	Peak Hour Boardings /60 x Surge Factor = Peak 1 Minute Boardings	(P60B /60) x 1.5=P1B (863/60) x 1.5	18	
P1A	Peak 1 Minute Boardings x Conversion Factor for Alightings = Peak 1 Minute Alightings	P1Bx0.75 17x0.75	13	
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (222+167)/(15x10 people/ft/min)	16	
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 SF ((222x1.1) + (167x0.1)) x 14	3,782	
Public Restrooms	Women + Men + Unisex Accessible Restroom for Each Group	(P15B+P15A) /2 (222+167) /2	201	
Passenger Amenity Space Allocation	Station Design Target Year Daily Boardings	6,000	6000 SF	California HSTP Design Criteria, Chapter 14 - Stations, March Rev. 2 14.3.5.5 Station Public Amenity (Commercial) Spaces, Table 14-7
Ticket Windows	Station Quantity	P60B/600 683/600	2	
Ticket Vending Machines		P60B/280 683/280	3	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 167/50 One additional gate to be provided if under 10	3	14.3.5.6 D
Emergency Gates			2	14.3.3.6
Side Platform Station	Peak Hour Boarding and Fully Occupied Train Alighting	P60B + 900 p	1,607	14.3.6.2
Sr	Seating at Concourse Fare Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x 0.25	636	Table 14-22: Station Seating

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 88 OF 218**

					DESIGNED BY	2021 RECORD SET PEPD NOVEMBER 30, 2021 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 DOWNTOWN GILROY STATION FACILITY SIZING TABLE			CONTRACT NO. HSR15-34
					DRAWN BY				DRAWING NO. AR-Y0904			
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					IN CHARGE				SHEET NO.			
					DATE							
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Downtown Gilroy Station - Viaduct Facility Sizing Table

Projected Daily Ridership (2040) 6,210, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Concourse Public Free Areas	Station Concourse (Free Area - Main Hall)	14,482	1.2	12,069	P15 x 30 SF/person 389 x 30	14.3.5.3	P15 = P15 B + P15 A = 389 Using Memorandum dated May 10, 2016, Attachment E Facility Sizing Table Example
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Mezzanine						Included with the concourse area
	Passenger Waiting Area	4,538	1.2	3,782	$((P15B \times 1.1) + (P15A \times 0.1)) \times 14$ SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev. 2, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse Circulation and Waiting Areas
	Ticket Vending Machines (TVM)	121		3	P60B/280, 683/280	Table 14-5	Includes queuing space
	Baggage Storage (Concessionaire)	TBD					TBD
	Retail (Concessionaire)	7,200	1.2	6,000		Table 14-7	5,000 - 10,000 daily boardings
	Restaurant (Concessionaire)	0				Table 14-7	Included in the 6,000 SF
	Food Service (Concessionaire)	0				Table 14-7	Included in the 6,000 SF
	Business Lounge	720	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	1248	1.2	1040	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 assembly occupancy, 195 male, 195 female, 2 unisex Female: 4 water closets, 2 lavatories Male: 3 water closets, 1 urinal, 2 lavatories 2 drinking fountains
Janitor Closets	288	1.2	240	60 x 4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.	
Standard Areas	Ticket Window Counters	300	2	150	Window Counter 5F min. 75 SF/window (2 windows) P60B/600, 683/600	14.3.5.6.B 14.3.5.7A	
	Station Patron Information Booth	100	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
	Red "Cap" Booth						TBD
Security	Police Office	1000	2	500		14.3.6.2.A	
	Police Restrooms + Lockers			TBD	CBC 2016, CPC 2016		
	Janitor Closets	120	2	60		14.3.7.1.D	
	Security Guard Office	288	2	144		14.3.6.2.B	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 89 OF 218**

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Downtown Gilroy Station - Viaduct Facility Sizing Table



Projected Daily Ridership (2040) 6,210, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Non-Public Station Staff Only	Ticket Administration, Handling & Storage	520	2	260		14.3.5.6.B 14.3.5.7 14.3.6.2.C-D	Ticket administration office 75 SF /window
	Lost & Found & First Aid Room	400	2	200	100 SF x (2)	14.3.6.1.E-F	
	Station Control Room (SCR)	2200	2	1,100		14.3.6.2.E	
	Main Station Computer Room	1000	2	500		14.3.6.2.F	
	Temporary Incident Command Post (CP)	600	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	2200	2	1,100		14.3.6.2.H	
	SOR Dedicated Computer Room, SOR Workroom	1000	2	500		14.3.6.2.F-H	
	Main OCC Computer Room	1000	2	500		14.6.3.2.F	
	Staff Lockers, Showers, Restrooms	TBD	2		CBC 2016	14.3.6.1.I	Will need number of staff projection to determine SF required.
	Janitor Closets	120	2	60		14.3.7.1.C	
	Staff Breakroom & Meeting Rooms	800	2	400	200 SF x (2)	14.3.6.1.G-H	200 SF min or as req to provide 25 SF /staff.
	Station Manager Office	288	2	144		14.3.6.1.A	
	Facility Manager's Office	288	2	144		14.3.6.1.C	
	Administration Office Space	600	2	300		14.3.6.1.B	
	Facilities Maintenance Office	660	2	330		14.3.6.1.C	
	Station General Storage Rooms	400	2	200		14.3.7.1.E	Add 60 SF for miscellaneous storage if required.
	Platform Area Op. Mgt. Booth	100	1	100	Standard Unit	14.3.6.2.I	One OMB to be provided on each platform.
	Train Control/Communications Room	3830	2	1,915		14.3.7.2	Table 14-8, for the train control and communications equipment.
	Entrance Facility Room	480	2	240		14.3.7.2	Table 14-8, for entry of service cabling into the building. May be co-located with the TCC room.
	3rd Party Telecom Room	240	2	120		14.3.7.2	Table 14-8, for local telephone company.
Communications Closets	260	2	130	130 SF each	14.3.7.2	Table 14-8, number TBD. Locate close to center of each 10,000 SF of station floor area.	
Renewable Energy/Stormwater			TBD				
Building Services & Plant Rooms	Mech., Elec. & Plumbing Rooms			TBD	Gross Factor	14.3.7.2	
	Battery Room	800	2	400	200 SF x (2)	14.3.7.4.B	Two rooms required, including one room at each end of station for low voltage (LV) batteries.
	UPS Room	3600	2	1,800	900 SF x (2)	14.3.7.4.C	Two rooms required, one at each end of station for LV distribution, transforming, EP.
	Fire Detection & Protection Rooms			TBD	Gross Factor	14.3.7.6	
Maint. Support Areas	Main Station Recycling/Refuse	300	2	150	150 SF min.	14.3.7.1.A	
	Secondary Station Recycling	120	2	60		14.3.7.1.C	
	Landscape Maintenance Room	200	2	100		14.3.7.1.F	
	Loading Dock			TBD		14.3.7.1.H	

TOTAL AREA - EAST ENTRANCE & CONCOURSE: 52,411 SF

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 90 OF 218**

					DESIGNED BY	2021 RECORD SET PEPP NOVEMBER 30, 2021 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 DOWNTOWN GILROY STATION FACILITY SIZING TABLE	CONTRACT NO. HSR15-34
					DRAWN BY					DRAWING NO. AR-Y0906
					CHECKED BY					SCALE AS SHOWN
					IN CHARGE					SHEET NO.
					DATE					
REV	D-TE	BY	CHK	-PP	DESCRIPTION					

Downtown Gilroy Station - Viaduct Facility Sizing Table



Projected Daily Ridership (2040) 6,210, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

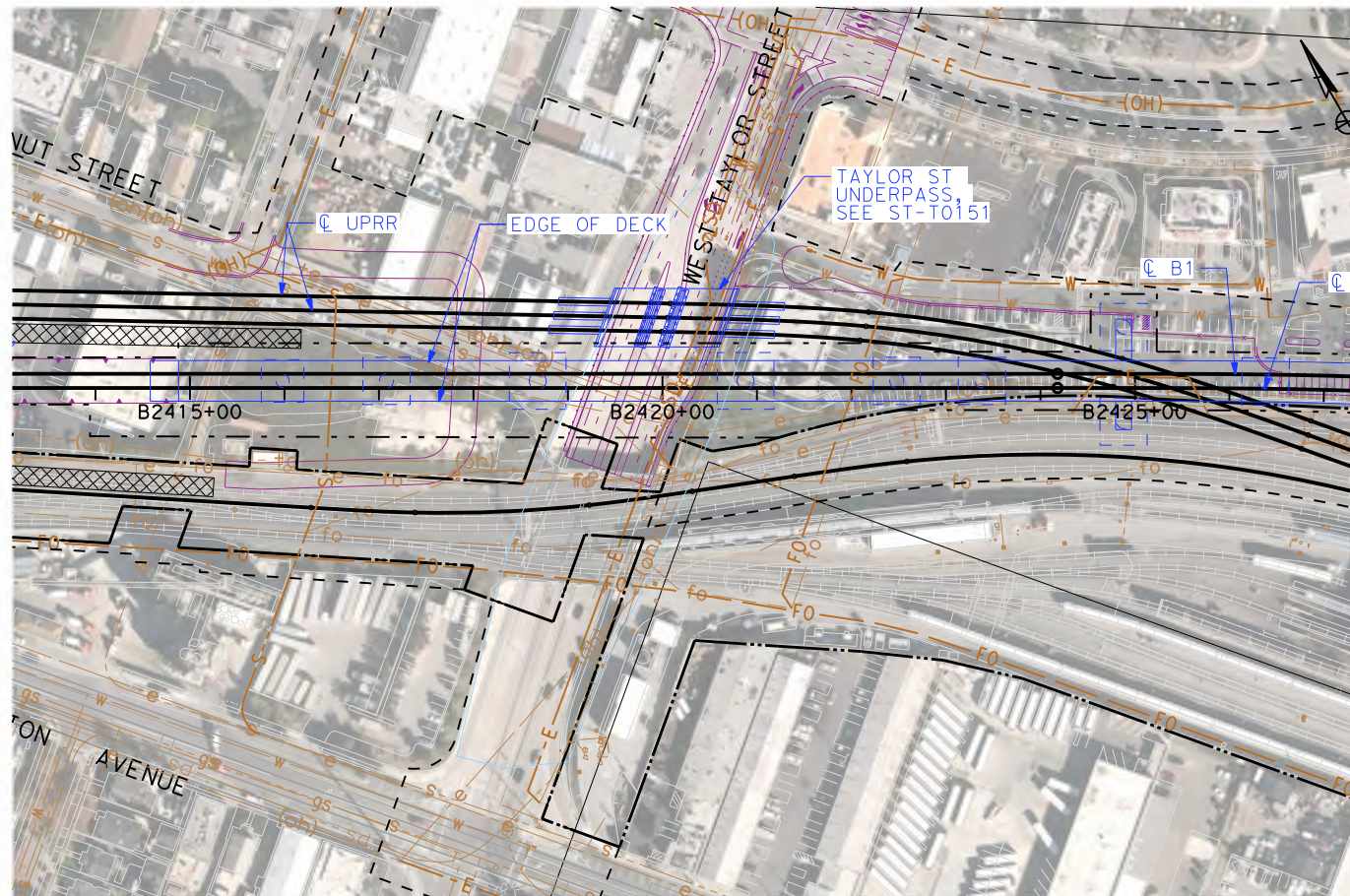
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
Concourse Public Free Areas West Station	Concourse (Free Area)	8689	1.2	7,241	P15 x 30 SF/person, 97x30	14.3.5.3	P15 = P15 B + P15 A. Using Memorandum dated May 10, 2016, Attachment E Facility Sizing Table Example 20% - 25% of the P15 of the Main Station North Entrance, about 97 passengers. (Adjusted to 60% of P15 to accommodate passenger access from west side of station per planning.)
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Passenger Waiting Area	2723	1.2	2269	(((P15B x1.1) + (P15Ax0.1))x25%) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev. 2 and October 2015, Working draft, Rev. 2 Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse Circulation and Waiting Areas 20% - 25% of 15B (Main Station) = 56; 20% - 25% of 15A (Main Station) = 42. (Adjusted to 60% of P15 to accommodate passenger access from west side of station per planning.)
	Ticket Vending Machines (TVM)	82		2	P60B/280, 683x25%/280	Table 14-5	Includes queuing space; 20% -25% of P60 B (Main Station) 170
	Public Restrooms	936	1.2	780	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 assembly occupancy, 85 male, 85 female, 2 unisex Female: 2 water closets, 1 lavatories Male: 1 water closets, 1 urinal, 1 lavatories 2 drinking fountains
	Janitor Closet	72	1.2	60		14.3.7.1.D	
TOTAL AREA - WEST ENTRANCE:		12,502	SF				

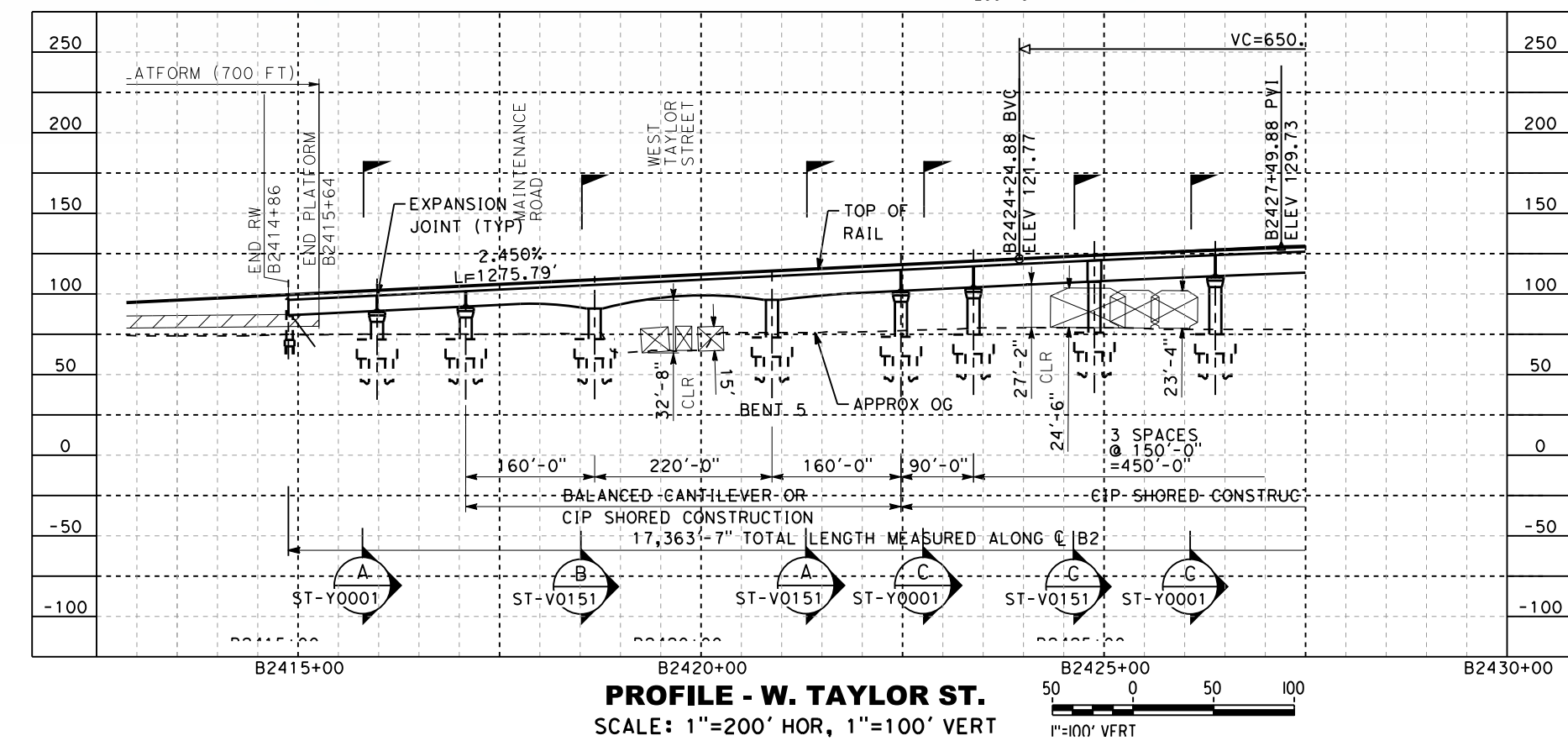
	Platform Area (800'x15')x2	24,000					
	Bus Bays	39,398					
	Parking Area	696,539					
	Pickup and Drop-off	39,931					

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 91 OF 218**

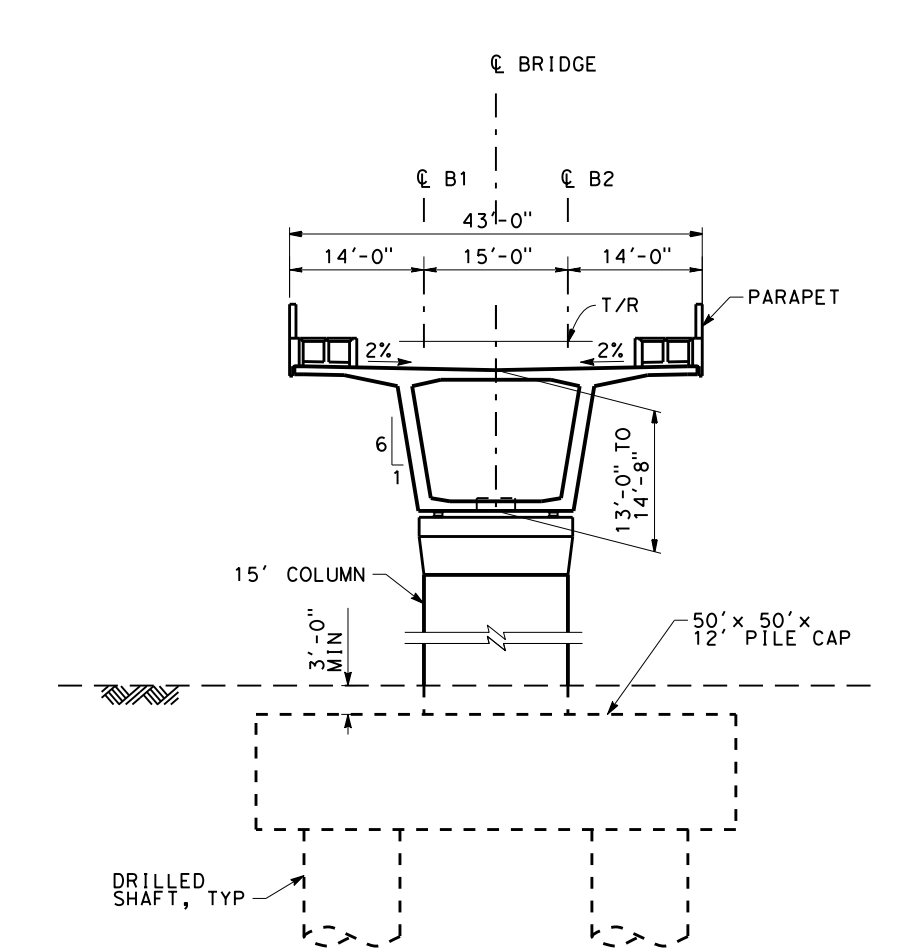
					DESIGNED BY	2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY DOWNTOWN GILROY STATION FACILITY SIZING TABLE			CONTRACT NO.
					DRAWN BY							HSR15-34
					CHECKED BY							DRAWING NO.
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					DATE							SCALE
REV	D-TE	BY	CHK	-PP	DESCRIPTION						SHEET NO.	



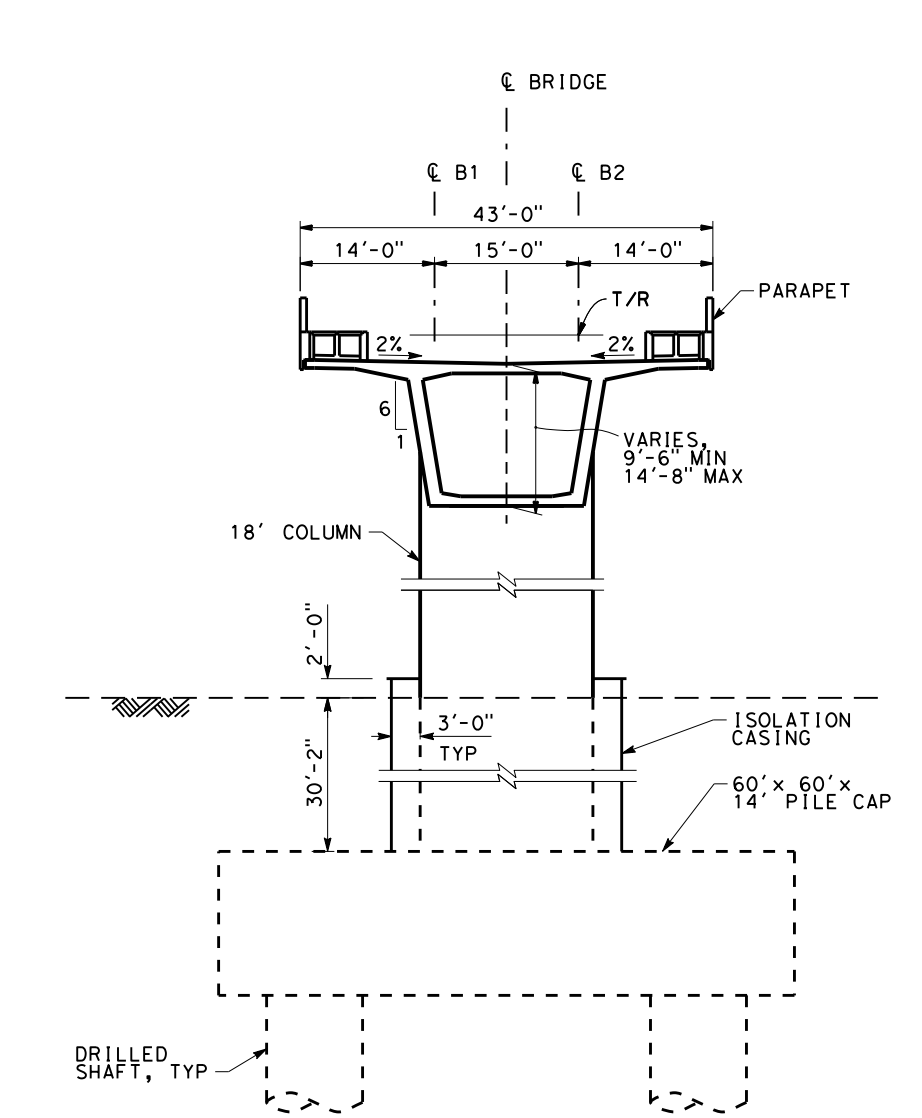
PLAN - W. TAYLOR ST.
SCALE: 1"=200'



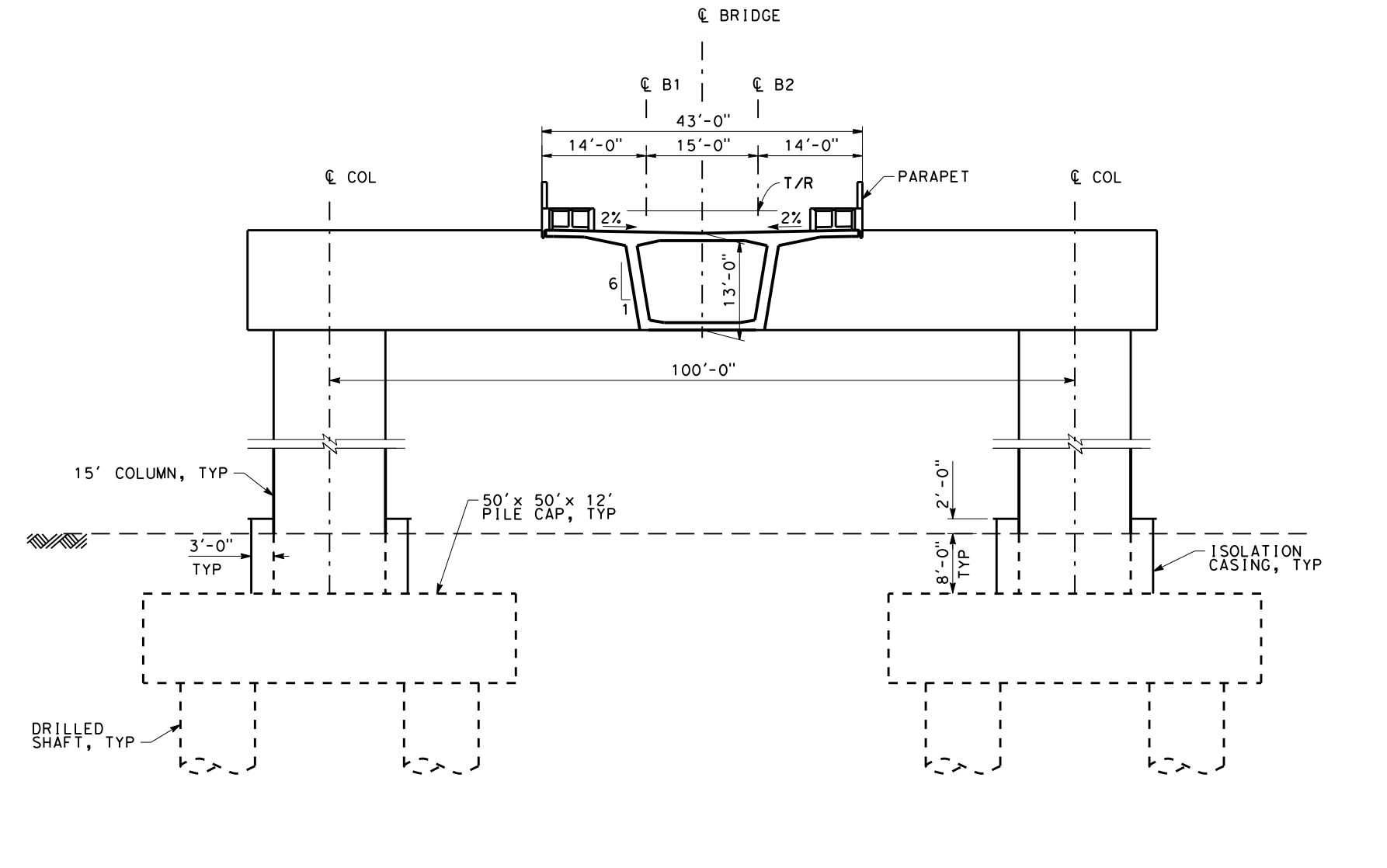
PROFILE - W. TAYLOR ST.
SCALE: 1"=200' HOR, 1"=100' VERT



SECTION A
SCALE 1"=20'-0"



SECTION B
SCALE 1"=20'-0"

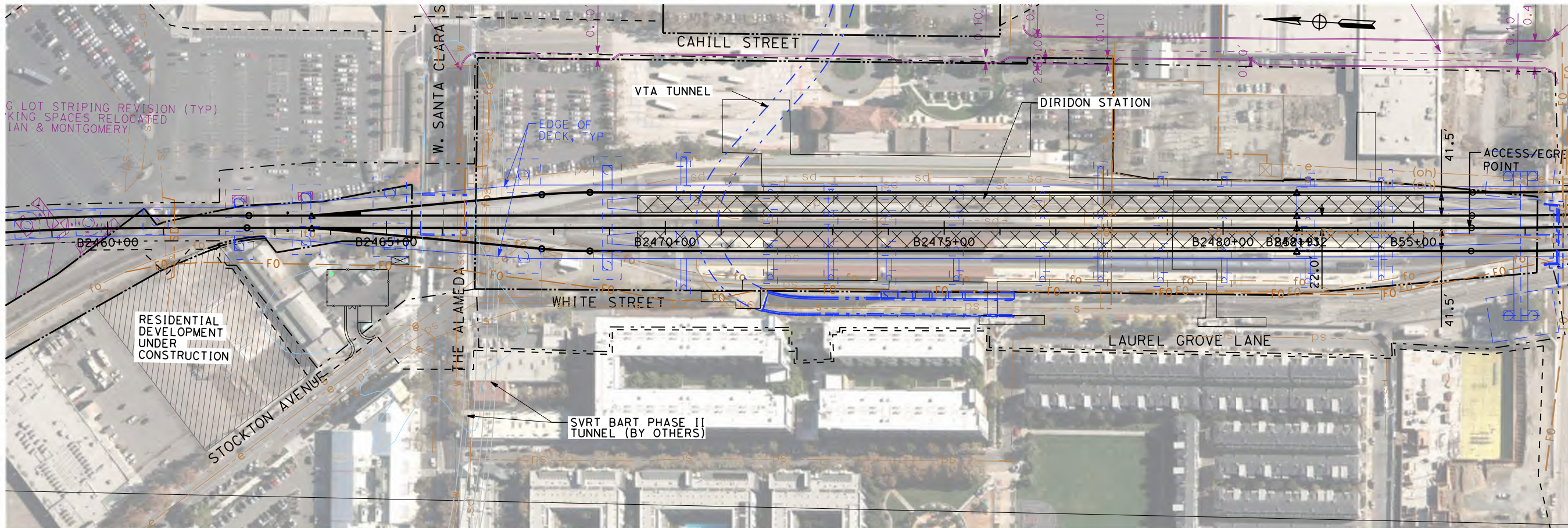


SECTION C
SCALE 1"=20'-0"

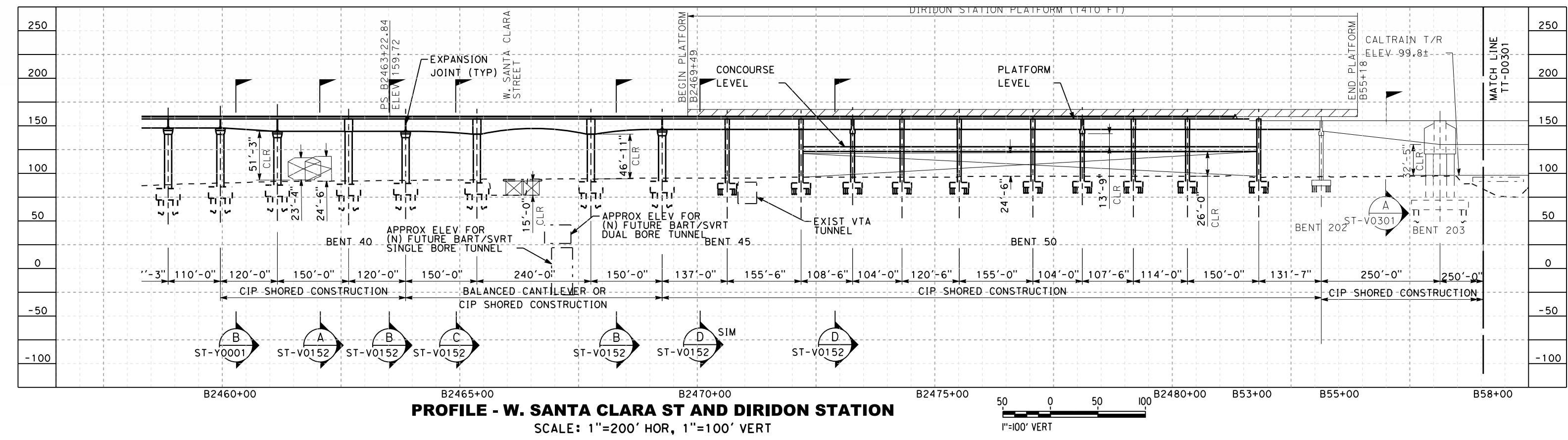
NOTE:
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 92 OF 218

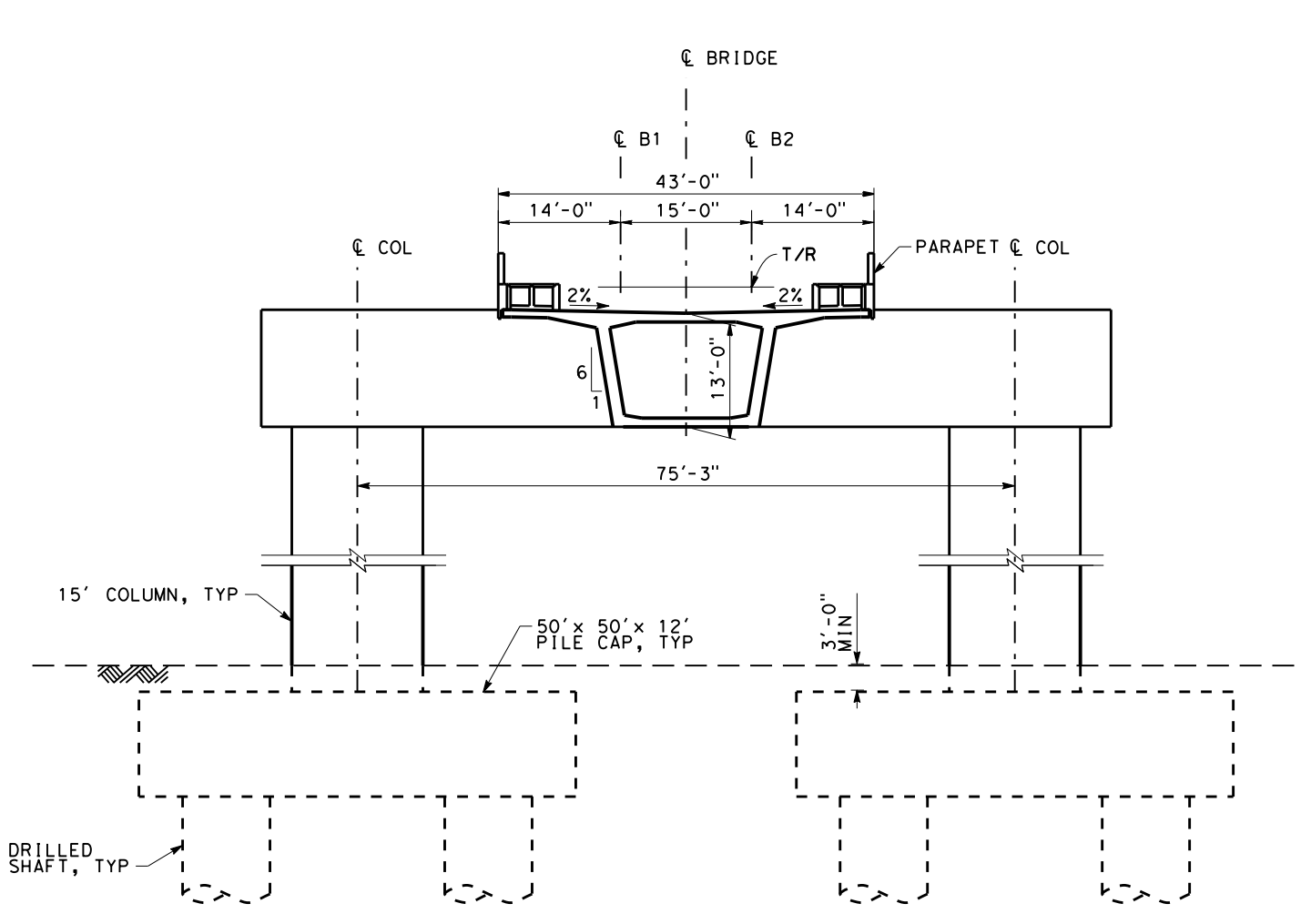
2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO 1-B80 COMPLEX STRUCTURES GENERAL PLAN 1 OF 2	CONTRACT NO. HSR15-34 DRAWING NO. ST-V0151 SCALE: AS SHOWN SHEET NO.
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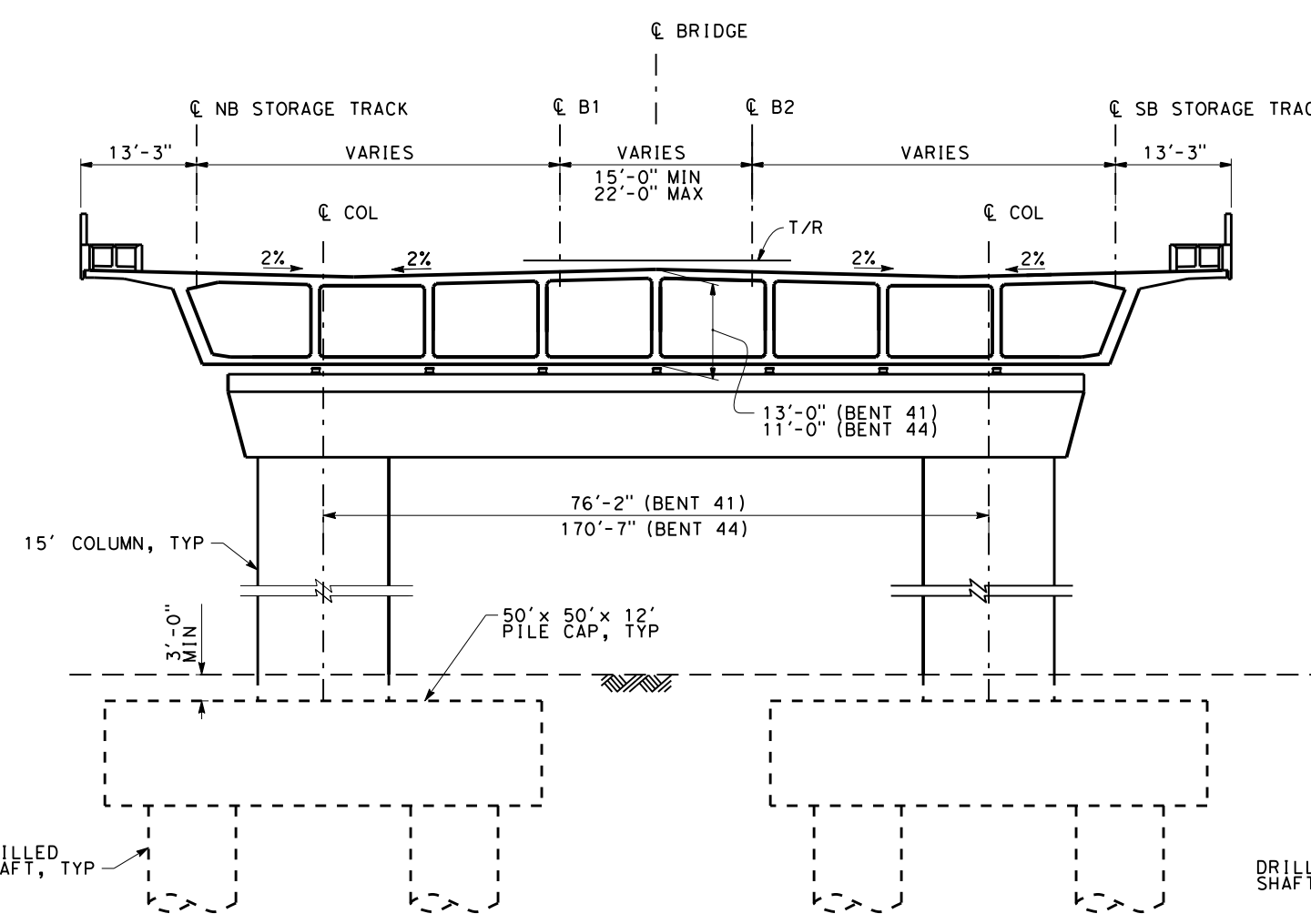
PLAN - W. SANTA CLARA ST AND DIRIDON STATION
SCALE: 1"=200'



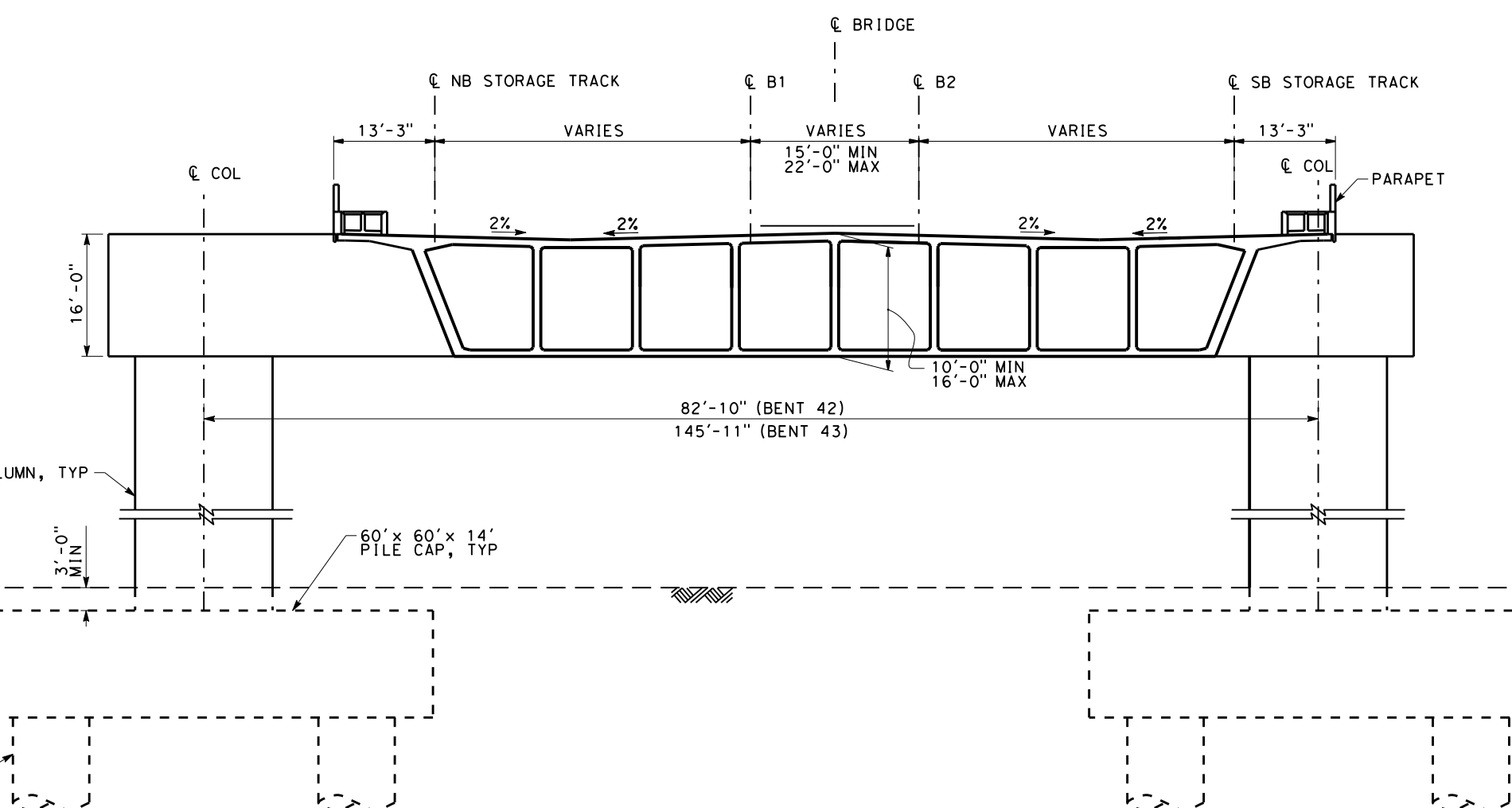
PROFILE - W. SANTA CLARA ST AND DIRIDON STATION
SCALE: 1"=200' HOR, 1"=100' VERT



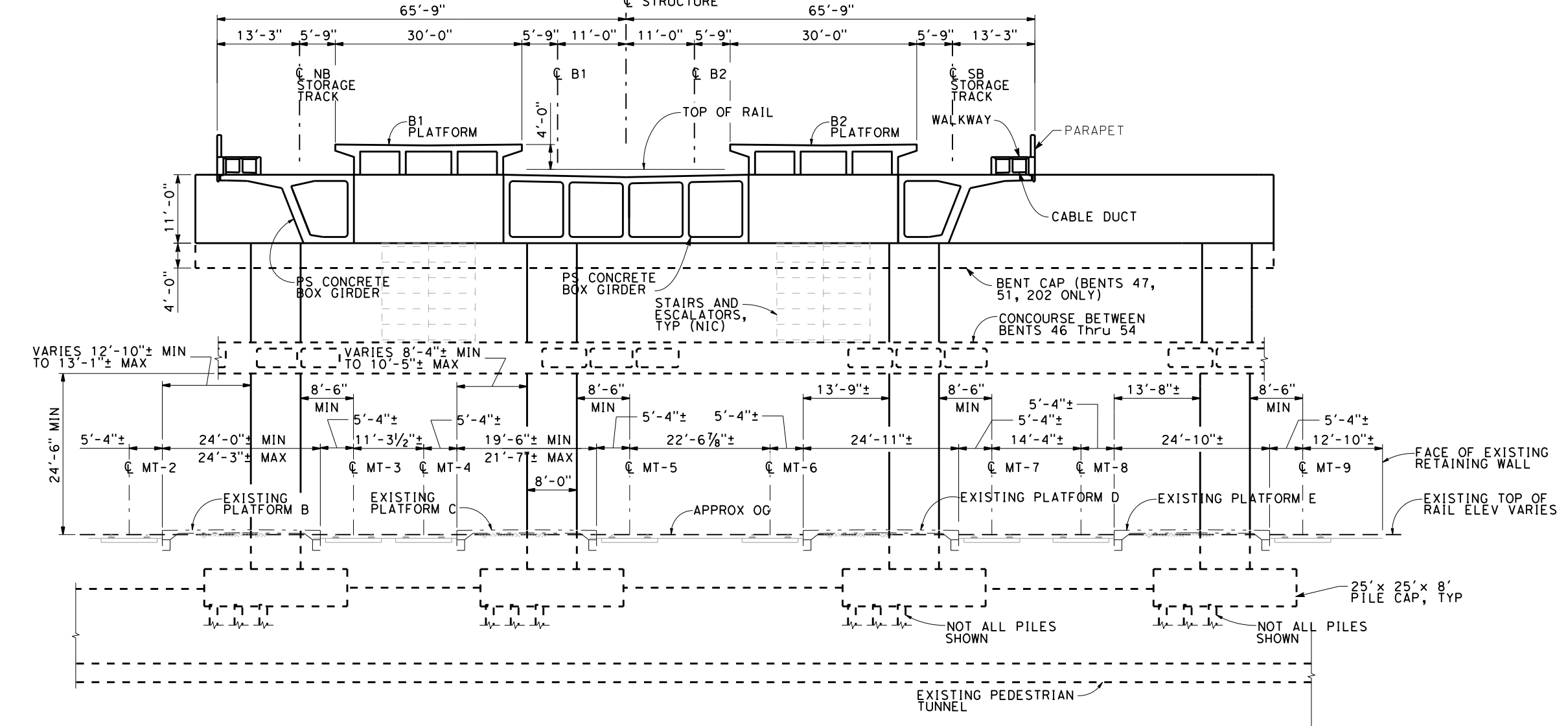
SECTION A
SCALE 1"=20'-0"



SECTION B
SCALE 1"=20'-0"



SECTION C
SCALE 1"=20'-0"

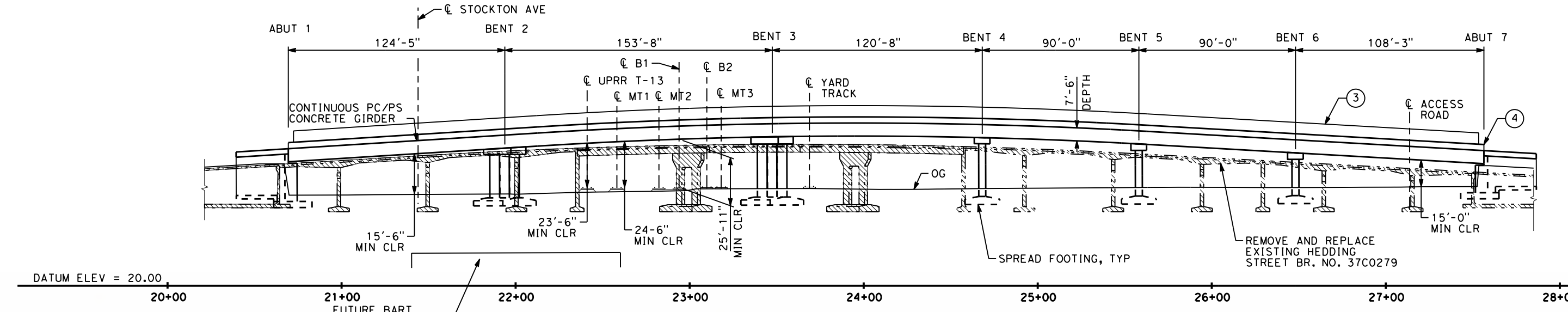


SECTION D
SCALE 1"=20'-0"

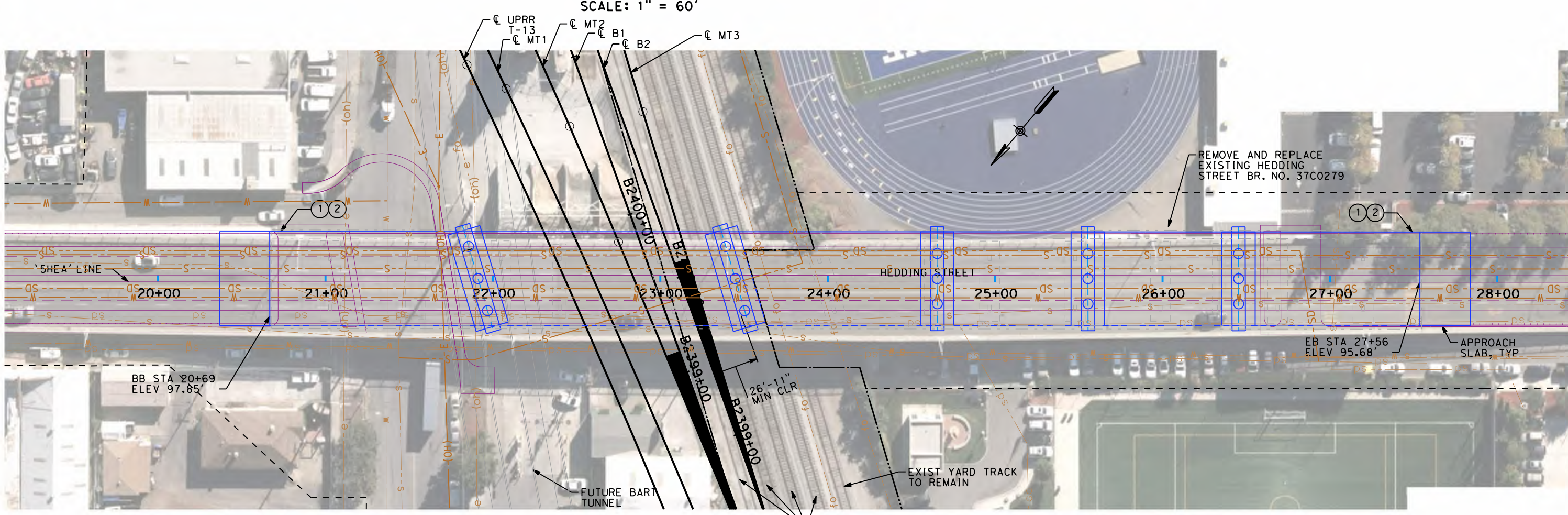
NOTE:
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 93 OF 218

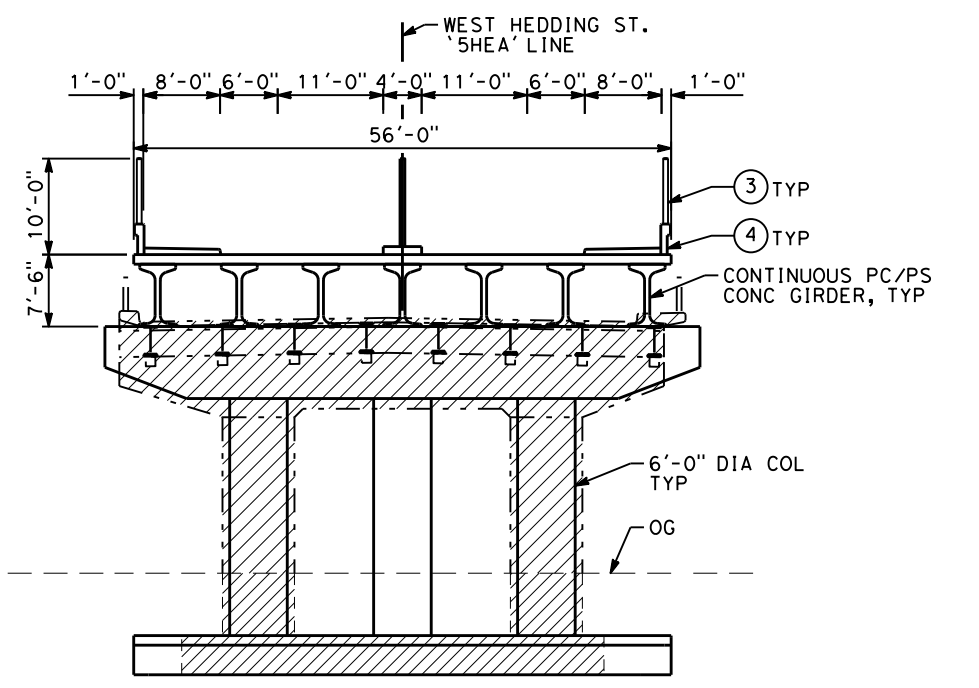
2021 RECORD SET PFD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 COMPLEX STRUCTURES GENERAL PLAN 2 OF 2	CONTRACT NO. HSR15-34 DRAWING NO. ST-V0152 SCALE AS SHOWN SHEET NO.
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ELEVATION
SCALE: 1" = 60'



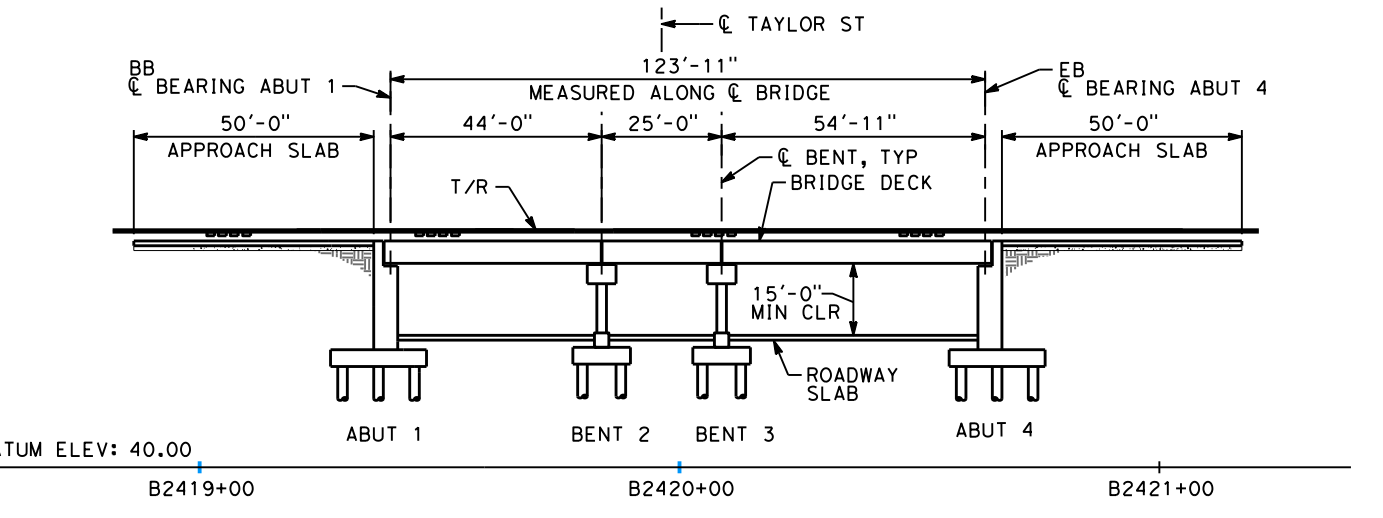
PLAN - WEST HEDDING STREET
SCALE: 1" = 60'



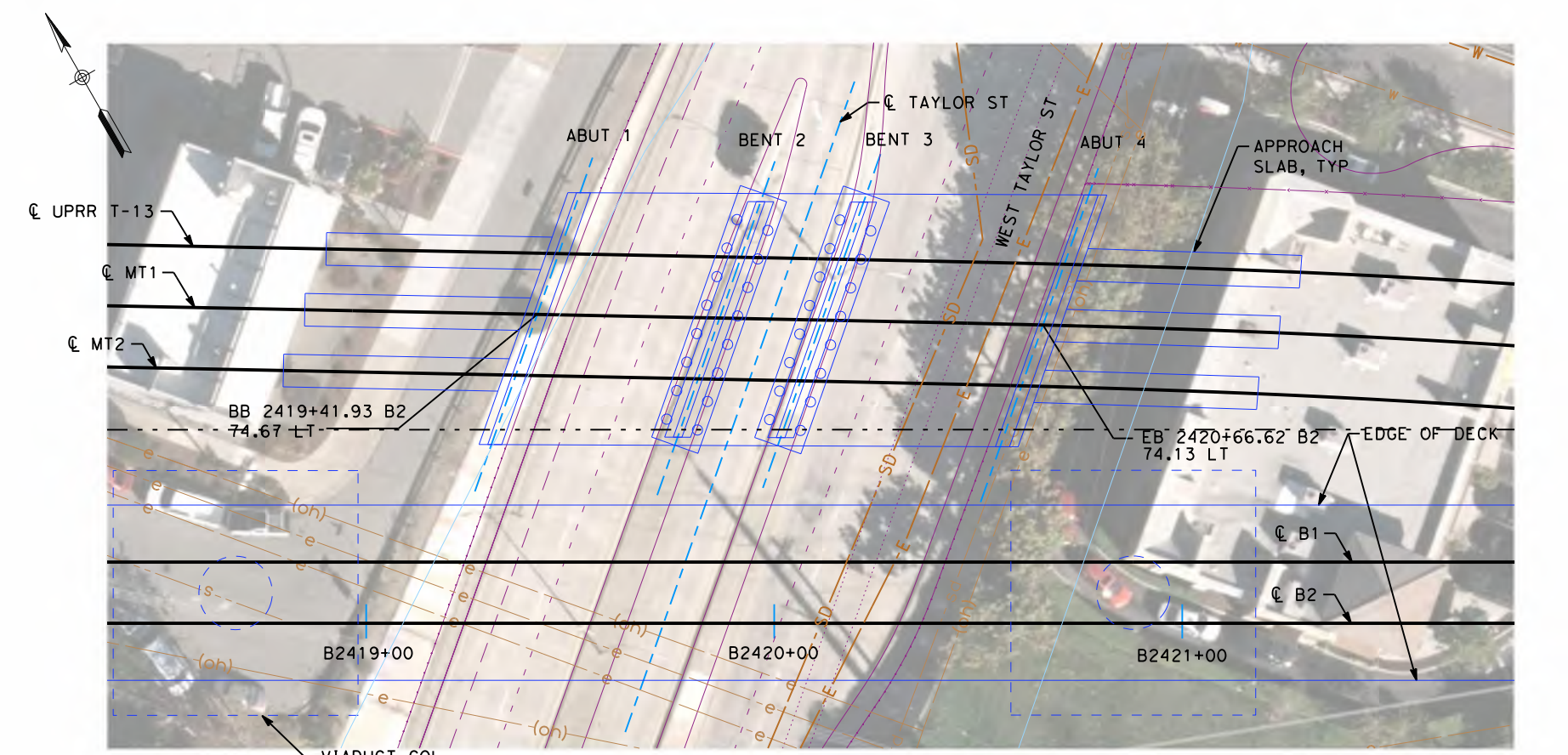
TYPICAL SECTION
SCALE: 1" = 20'

- LEGEND:**
- EXISTING STRUCTURE
 - NEW CONSTRUCTION
 - ▨ EXISTING BRIDGE TO BE REMOVED
 - ① PAINT "HEDDING STREET OVERHEAD"
 - ② PAINT "BRIDGE NO. XX-XXXX"
 - ③ CHAIN LINK RAILING TYPE 7, TYP (MOD)
 - ④ CONCRETE BARRIER TYPE 732, TYP

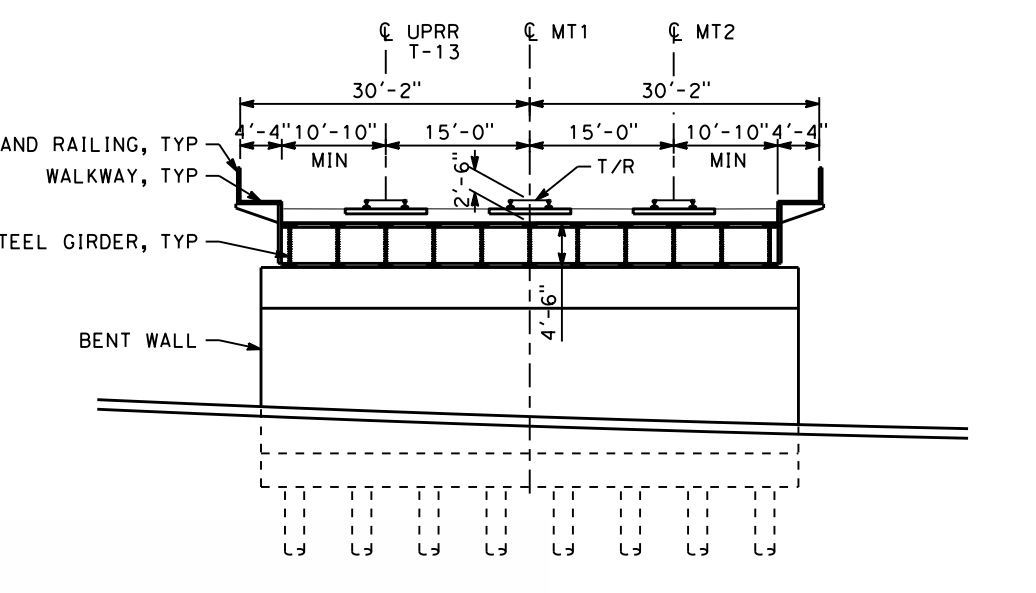
- NOTES:**
1. STRUCTURE LOCATED AT CALTRAIN MP 46.2.
 2. ANY EXISTING UTILITY THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED.
 3. VEHICULAR TRAFFIC WILL BE DETOURED DURING CONSTRUCTION.



ELEVATION
SCALE: 1" = 20'



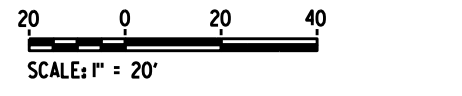
PLAN - TAYLOR STREET
SCALE: 1" = 20'



TYPICAL SECTION
SCALE: 1" = 10'

- LEGEND:**
- EXISTING STRUCTURE
 - NEW CONSTRUCTION
 - ▨ EXISTING BRIDGE TO BE REMOVED

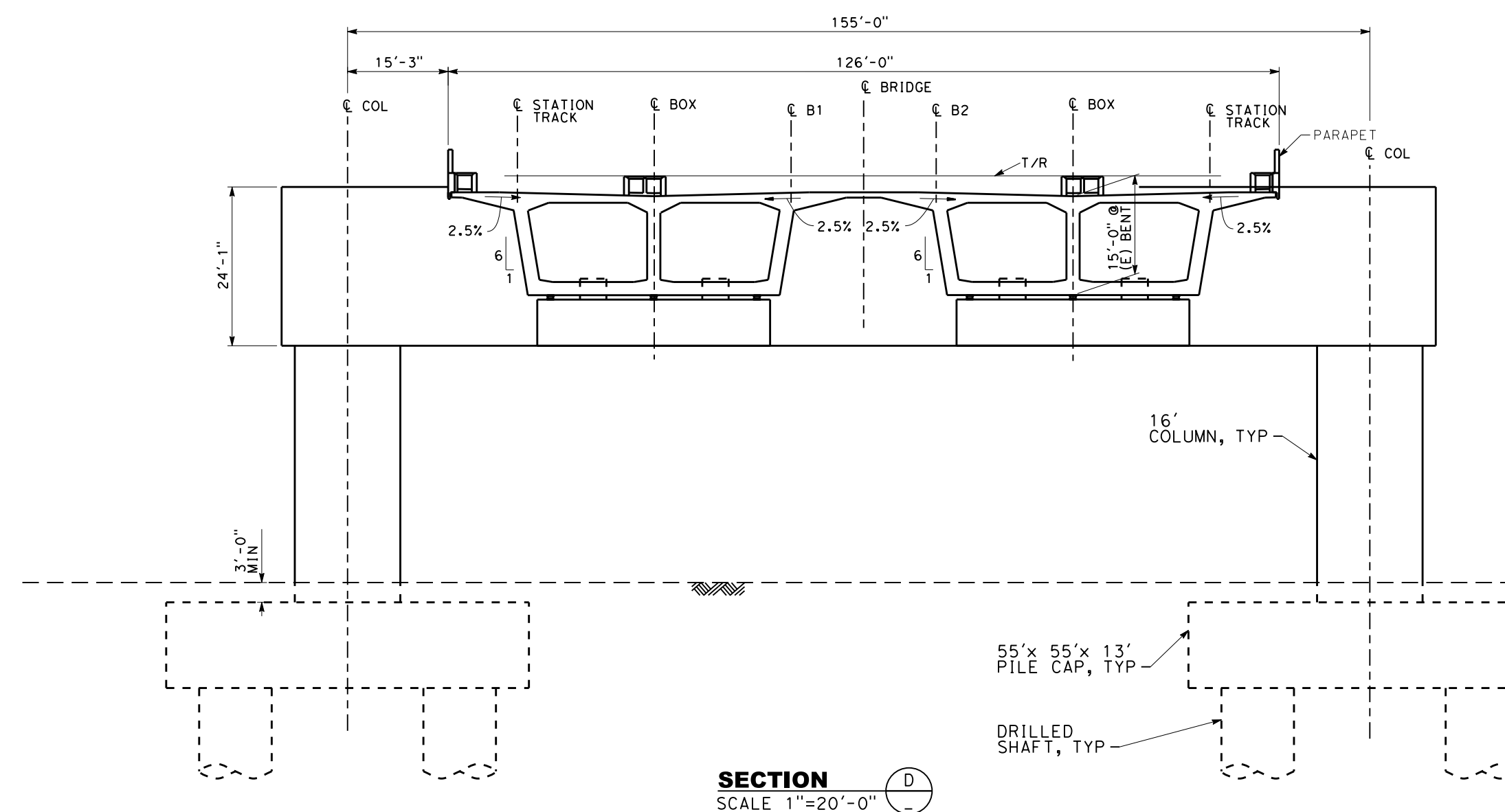
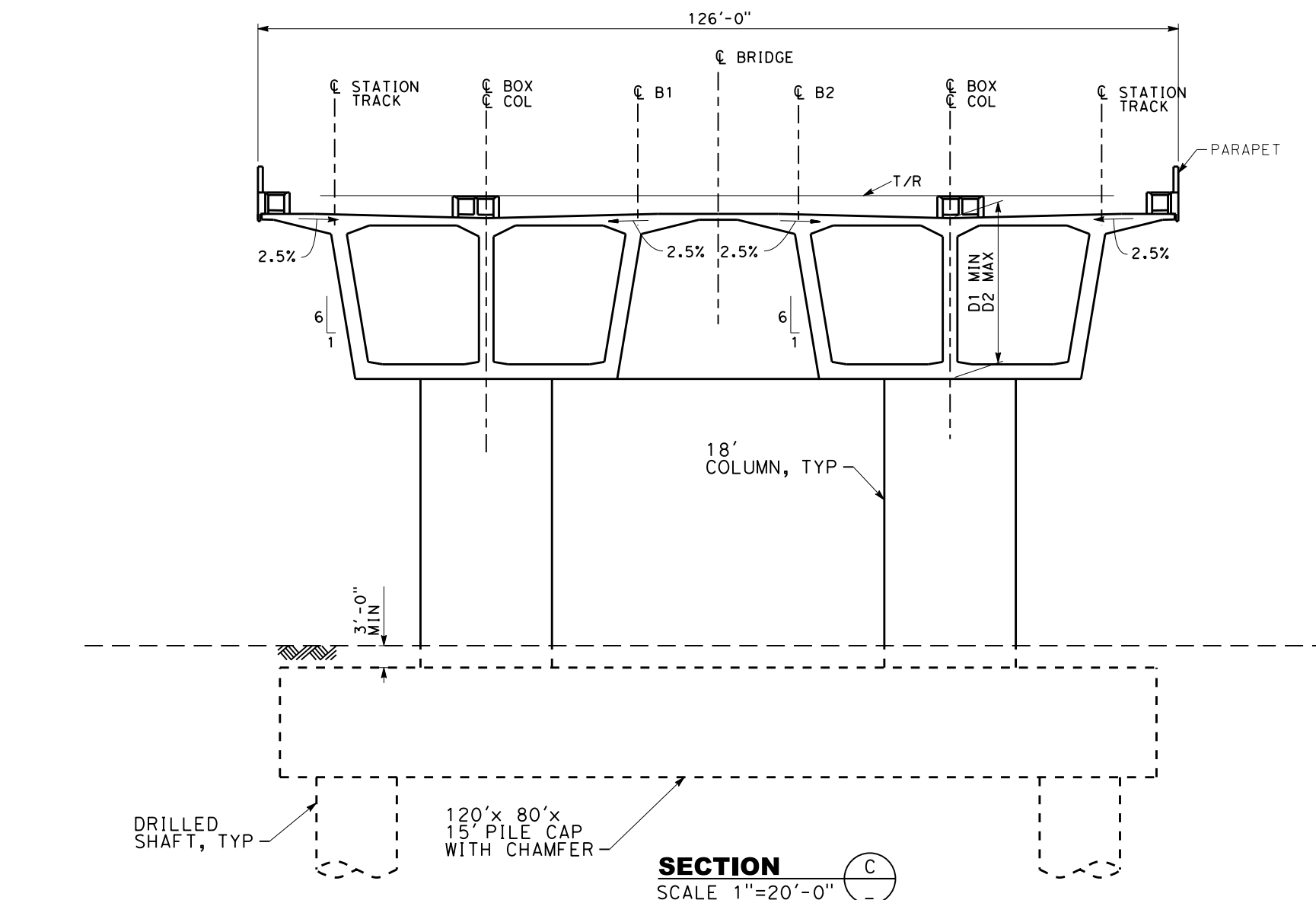
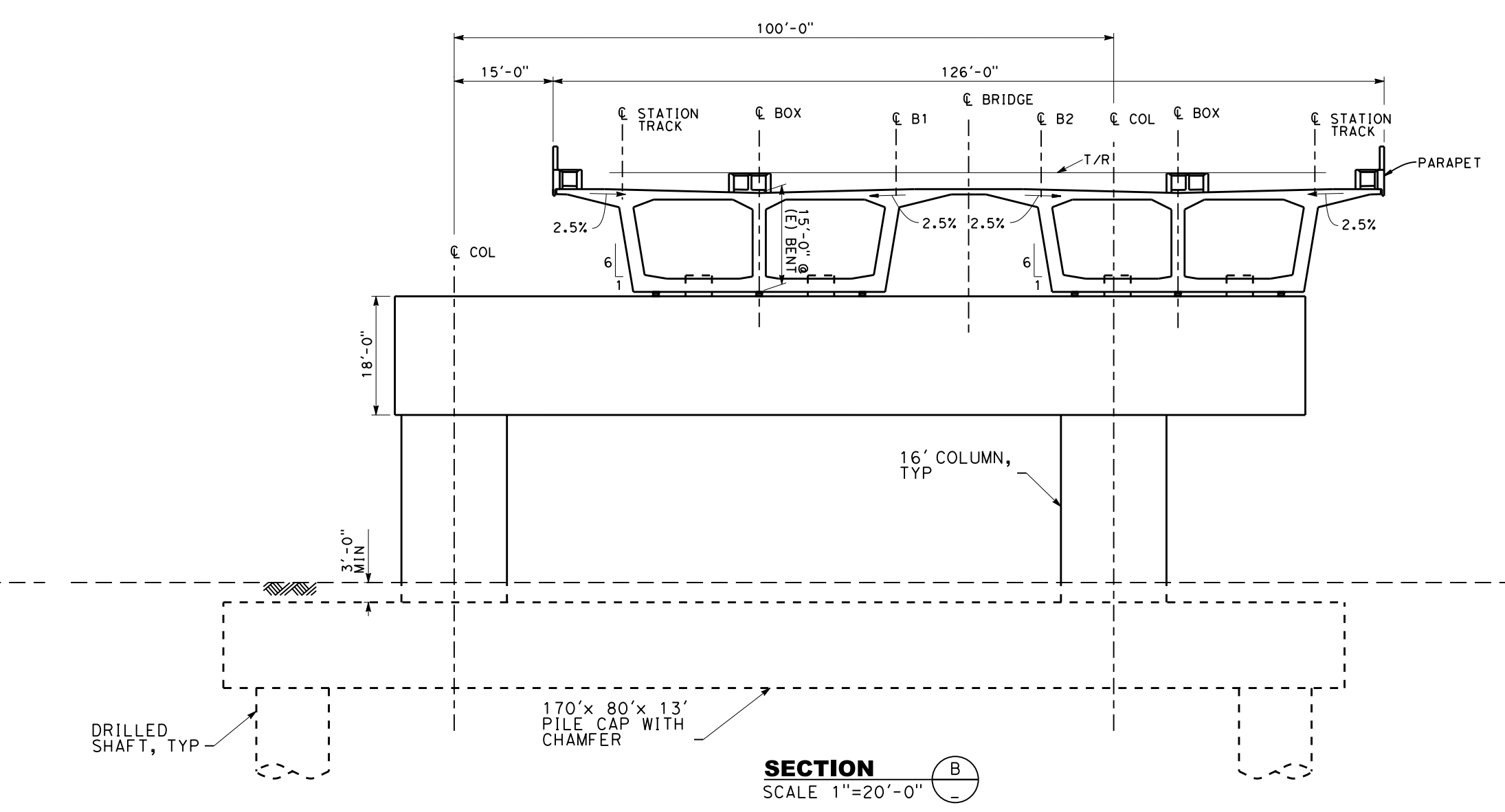
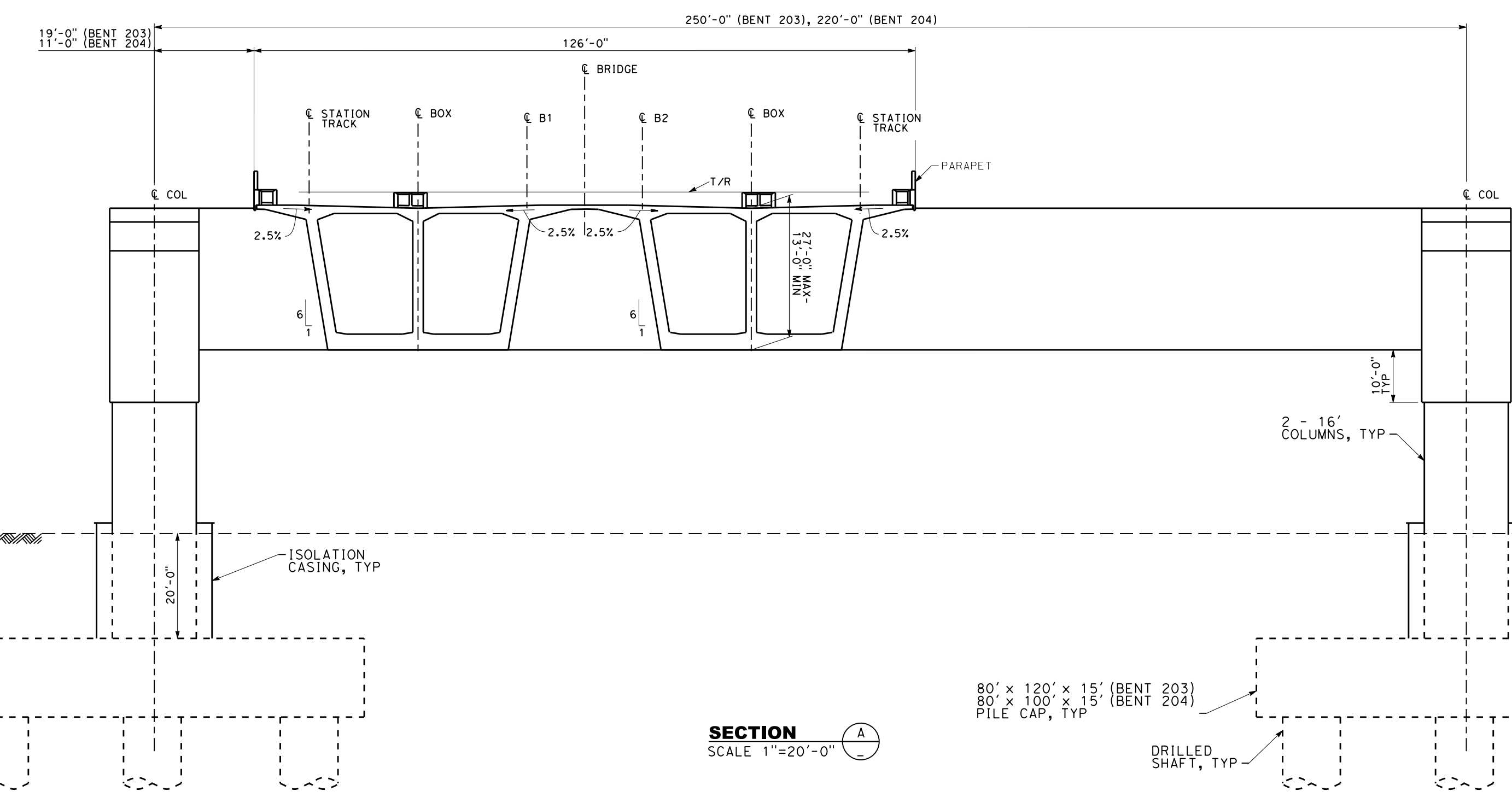
- NOTES:**
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 2. VEHICULAR TRAFFIC WILL BE DETOURED DURING CONSTRUCTION.
 3. OCS MAST POLES WILL BE LOCATED OFF OF STRUCTURE.
 4. ANY EXISTING UTILITY THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED.



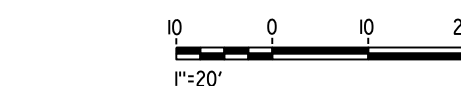
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 94 OF 218

2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 OVERPASSES AND UNDERPASSES HEDDING ST AND TAYLOR ST	CONTRACT NO. HSR15-34 DRAWING NO. ST-T0151 SCALE AS SHOWN SHEET NO.
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BENT	D1	D2
206	15'-0"	24'-0"
207	15'-0"	24'-0"
209	15'-0"	17'-0"
211	14'-0"	28'-0"



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 95 OF 218

2021 RECORD SET PERD
 NOVEMBER 30, 2021
 NOT FOR CONSTRUCTION

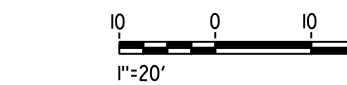
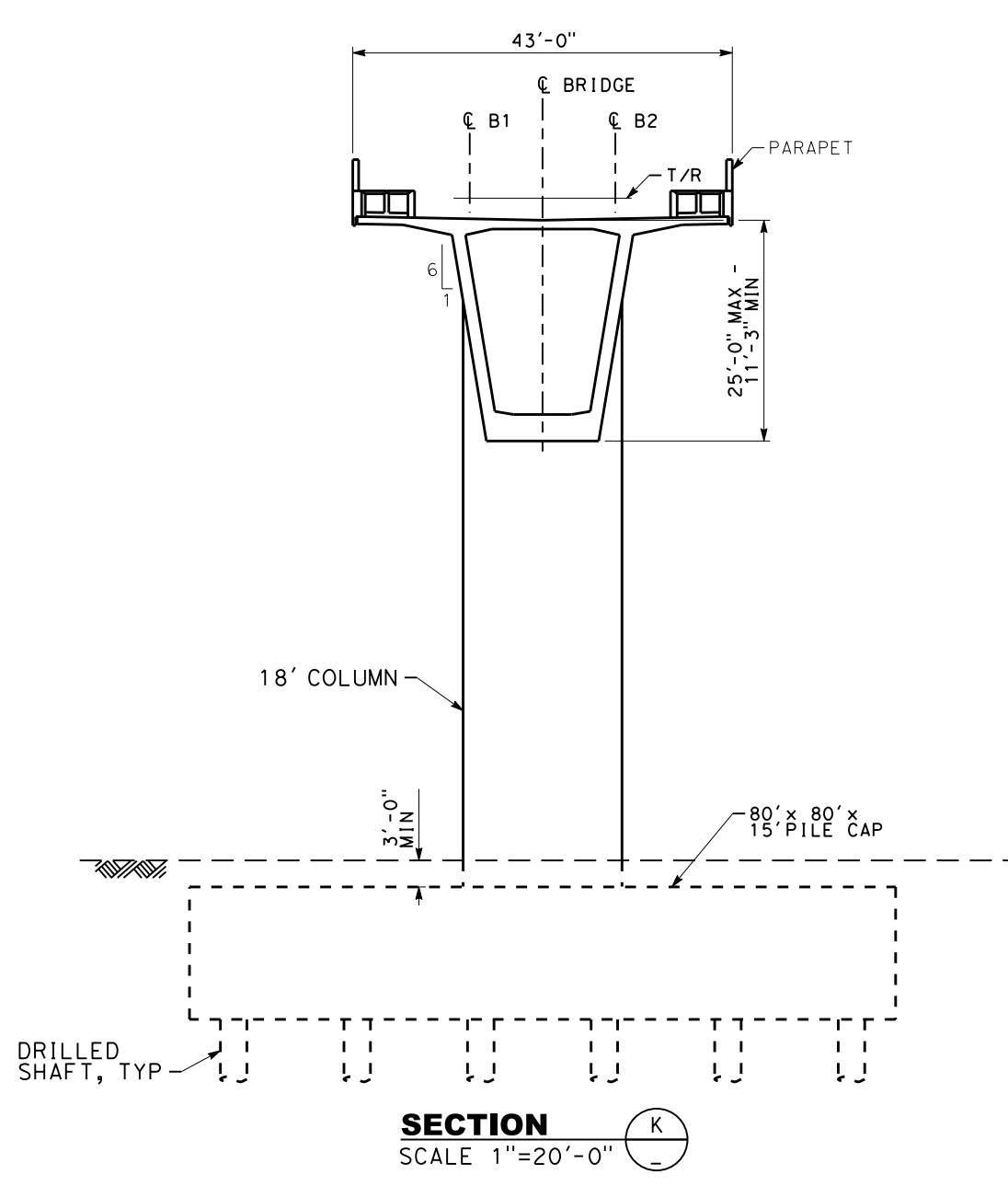
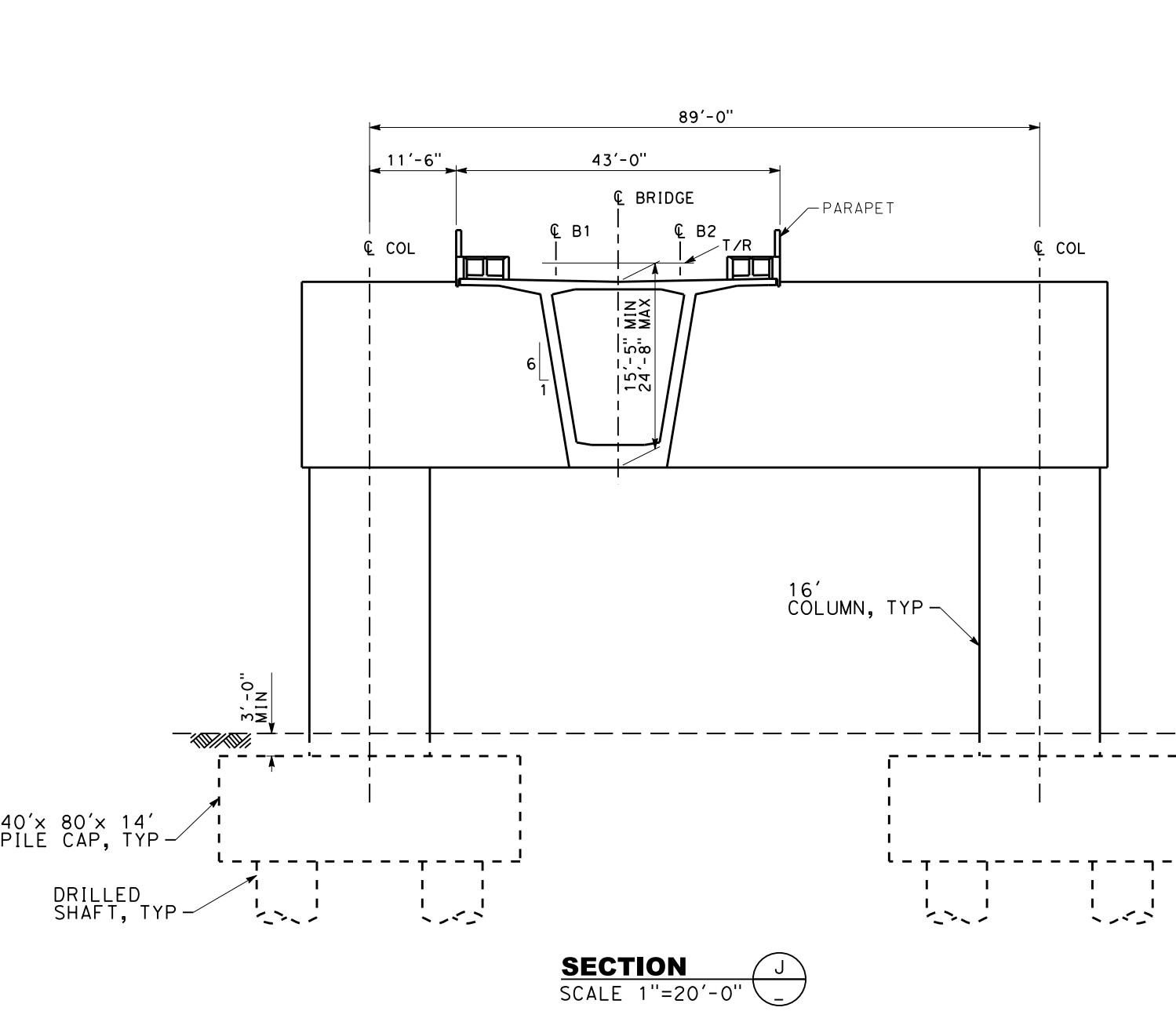
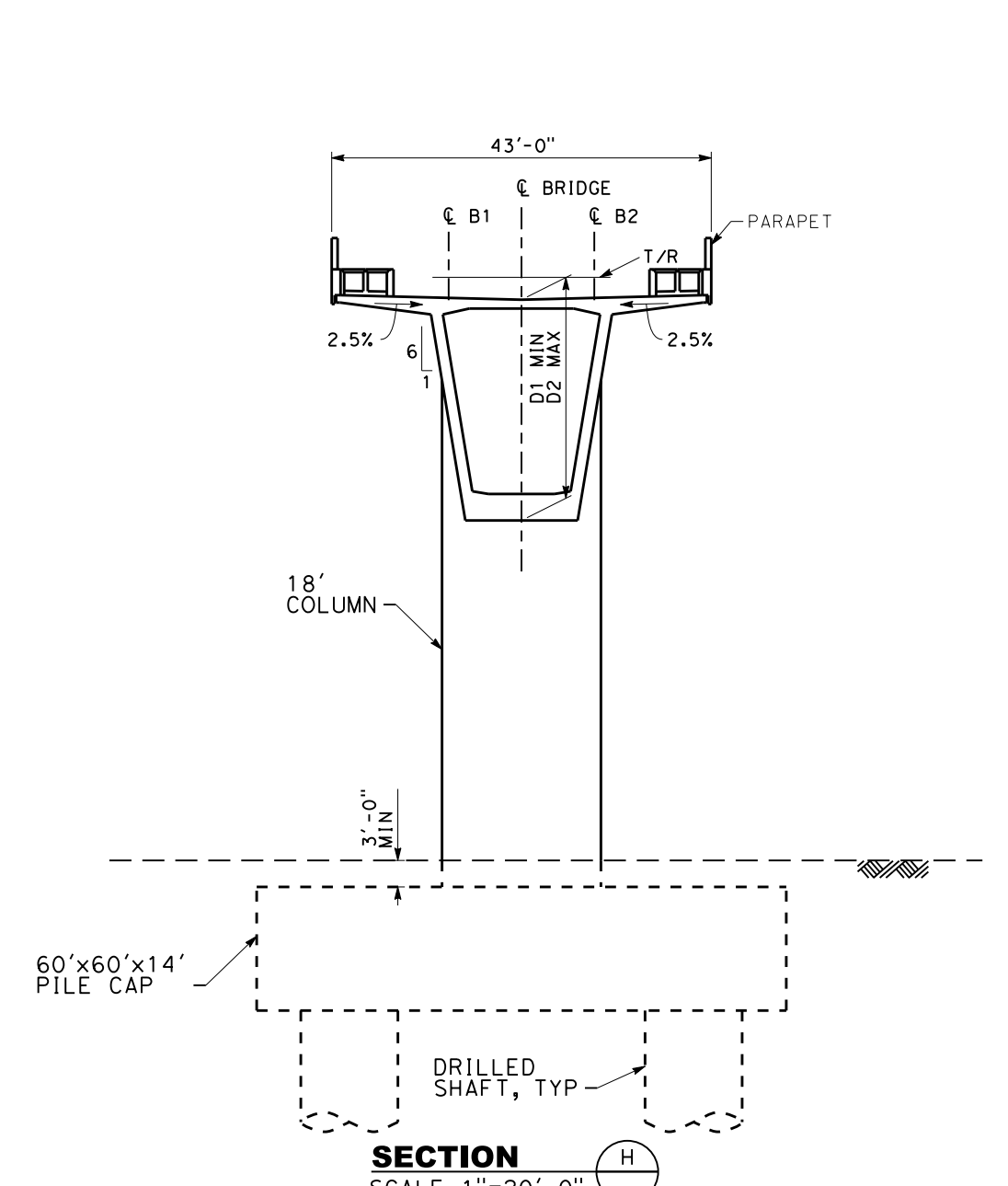
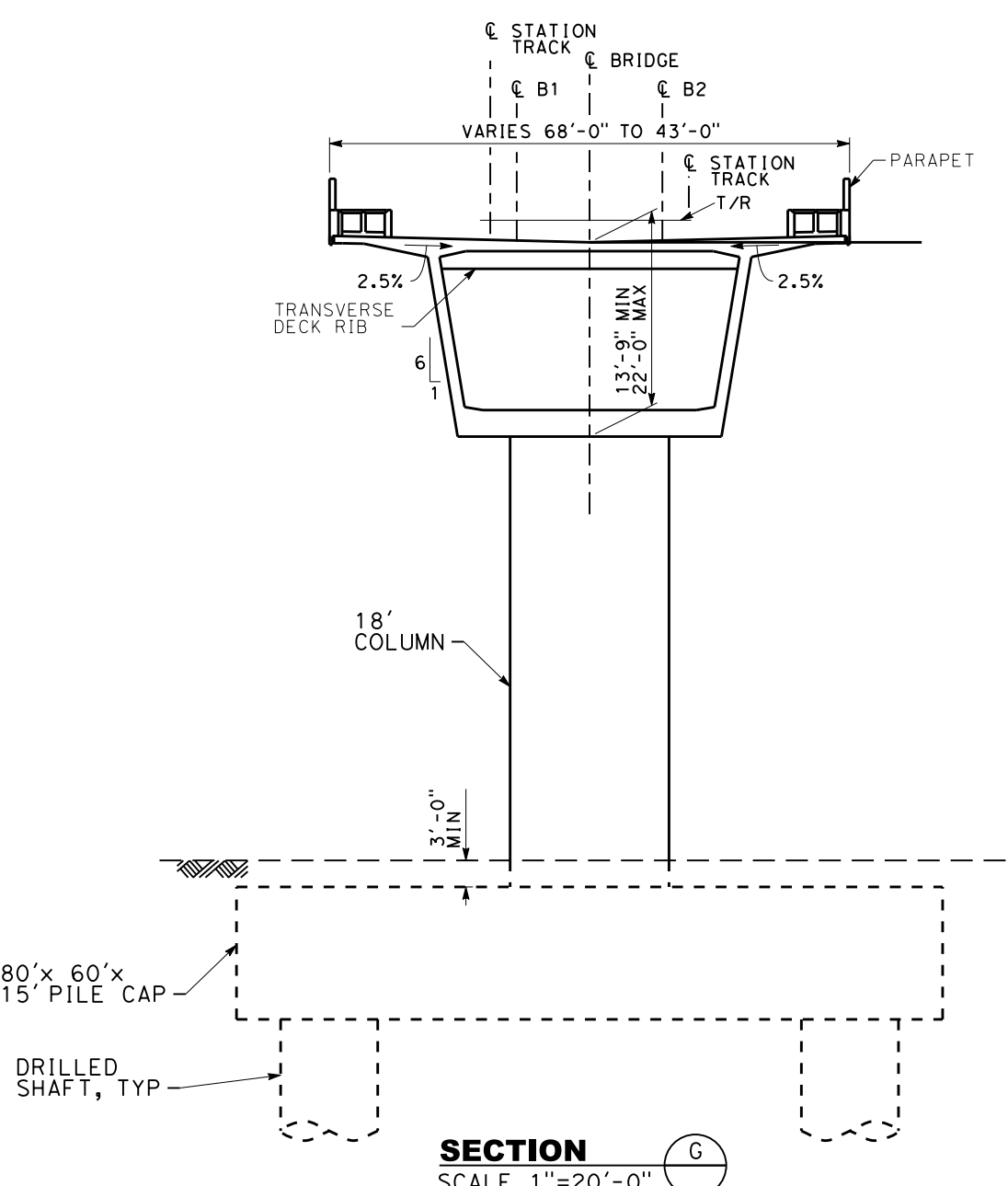
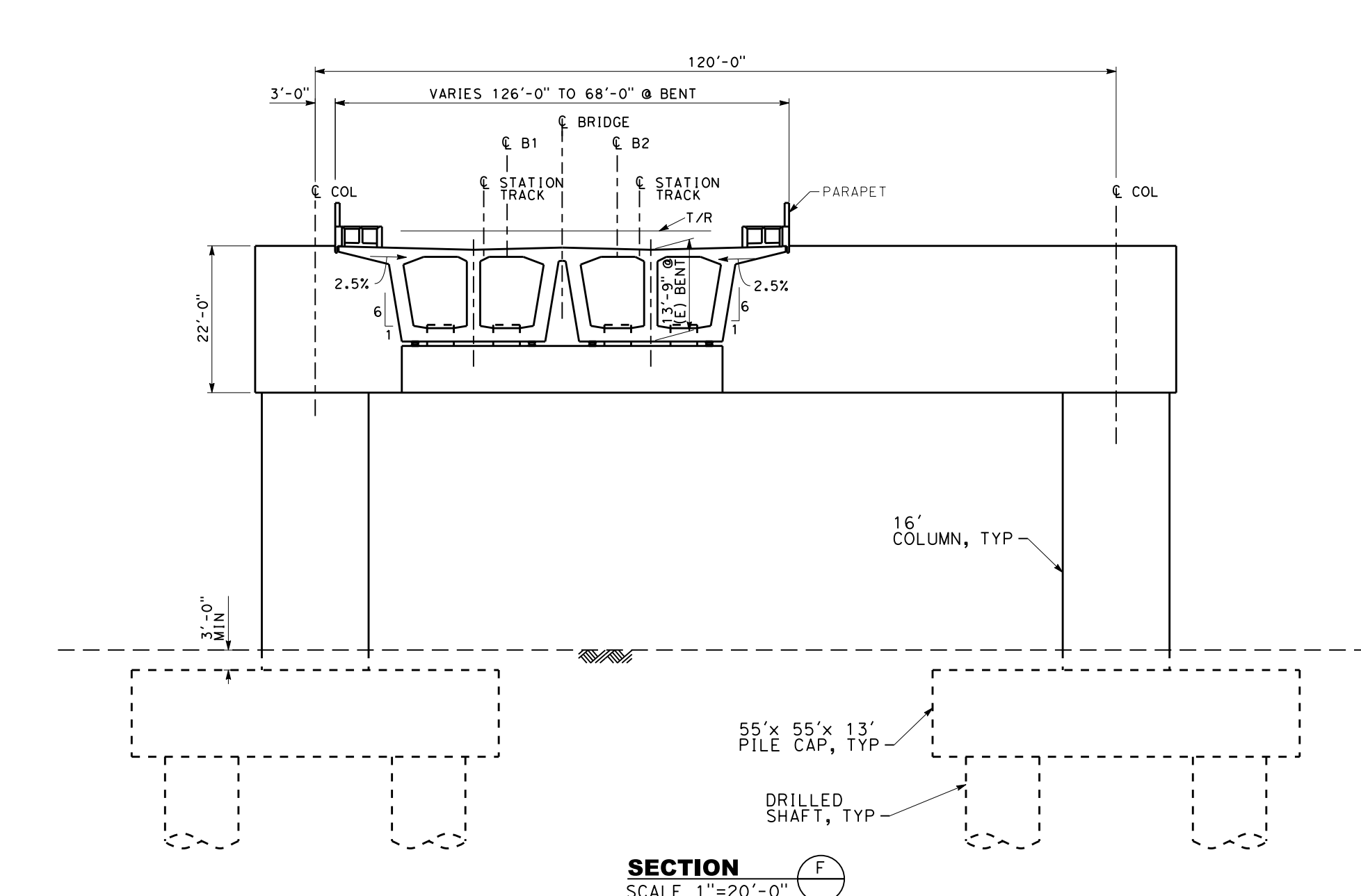
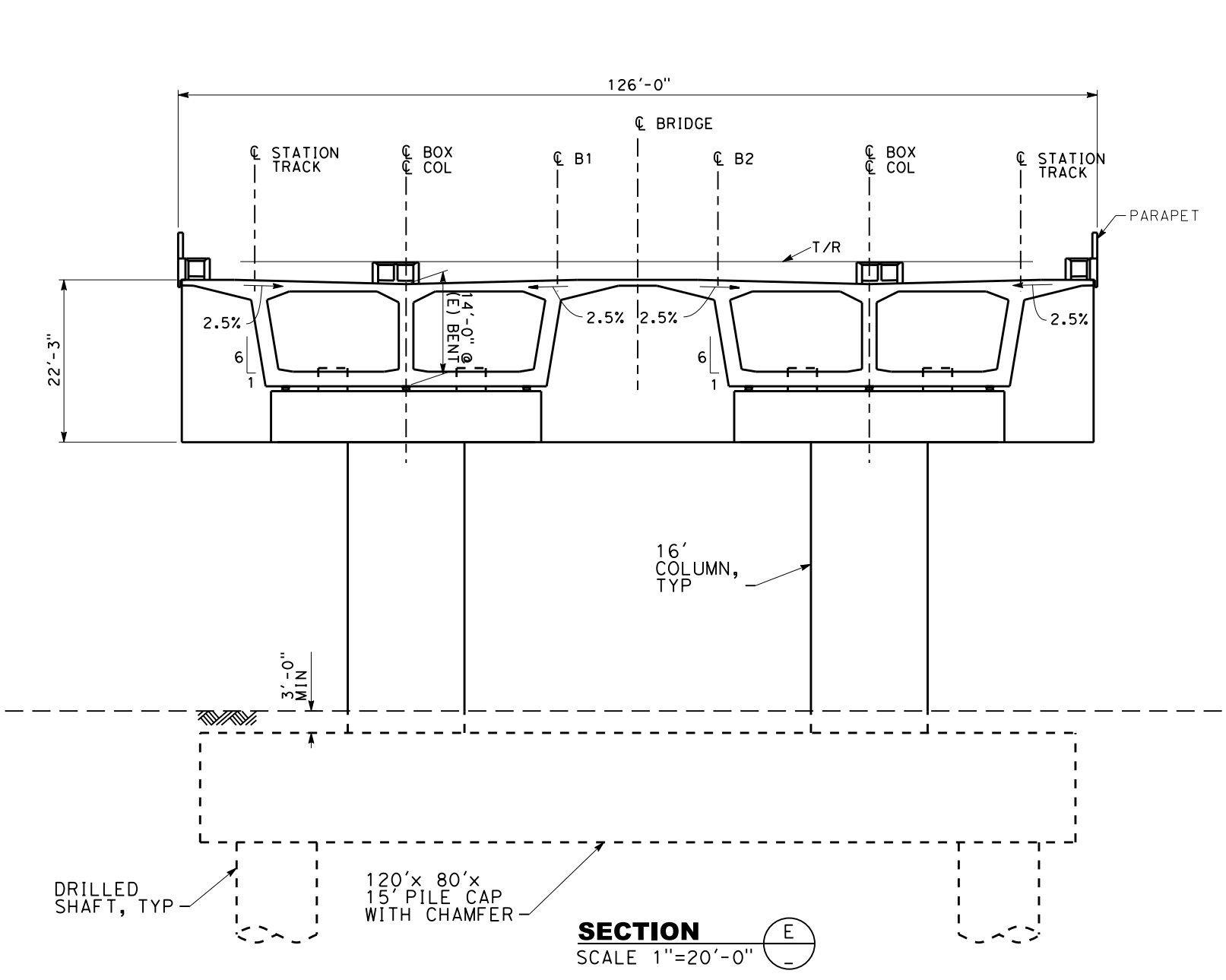
HNTB
 1111 Broadway
 9th Floor
 Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 TYPICAL SECTIONS
 SHEET 1 OF 3

CONTRACT NO. HSR15-34
 DRAWING NO. ST-V0301
 SCALE AS SHOWN
 SHEET NO.

TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
225	15'-6"	30'-0"
227	15'-0"	22'-8"
228	14'-2"	22'-8"
229	14'-2"	23'-0"



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 96 OF 218

2021 RECORD SET PERD
 NOVEMBER 30, 2021
 NOT FOR CONSTRUCTION



1111 Broadway
 9th Floor
 Oakland, CA 94607

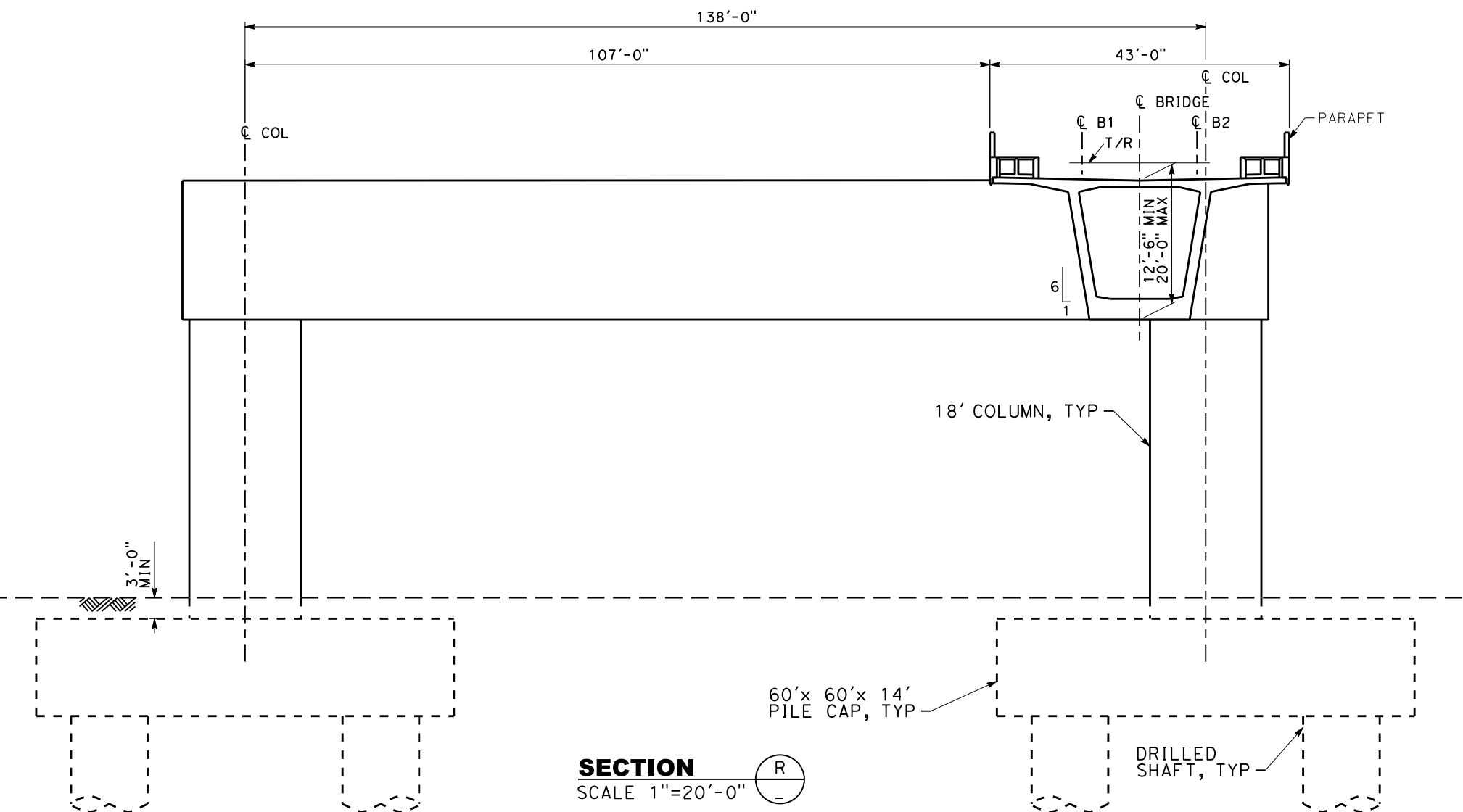
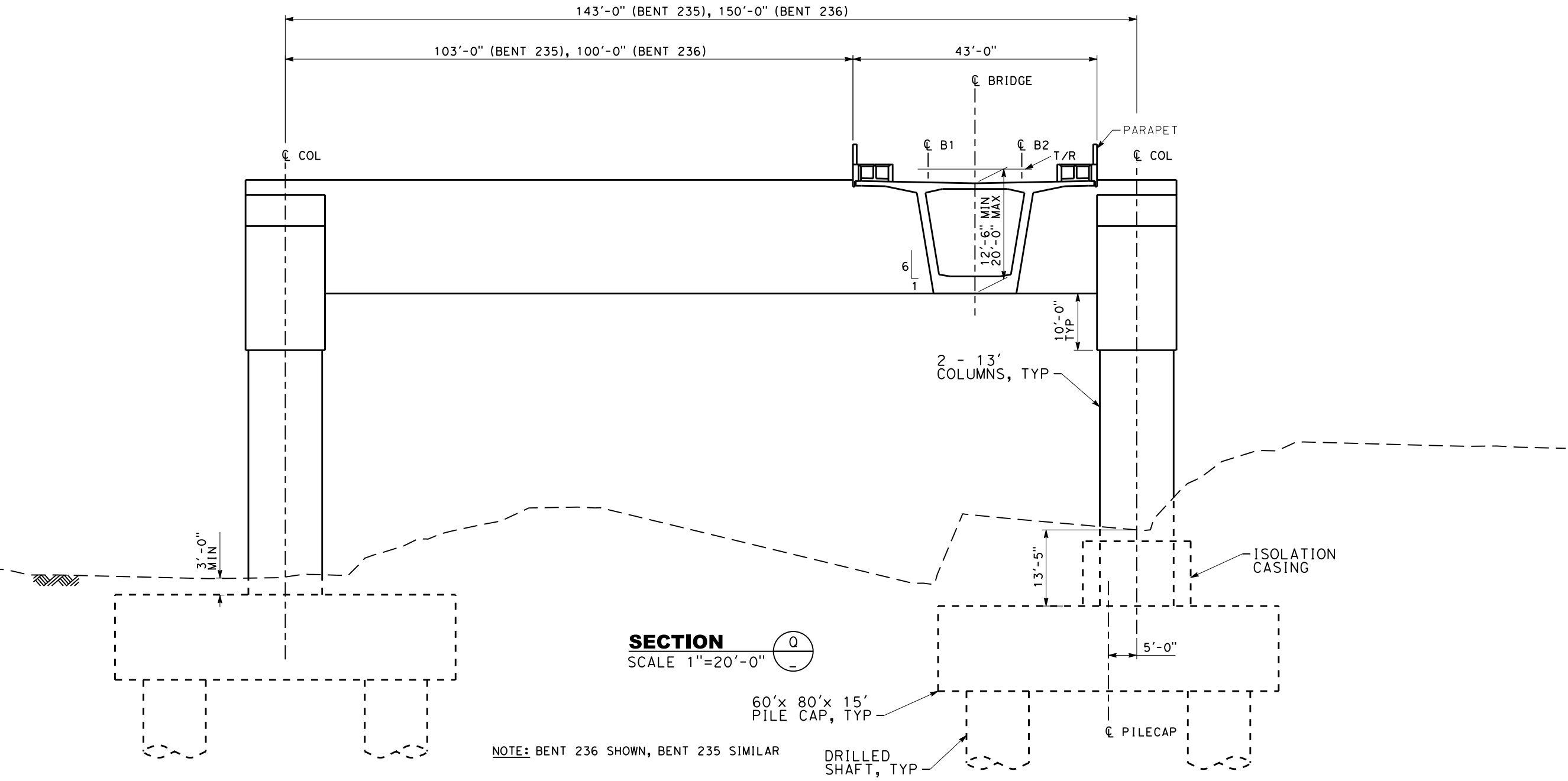
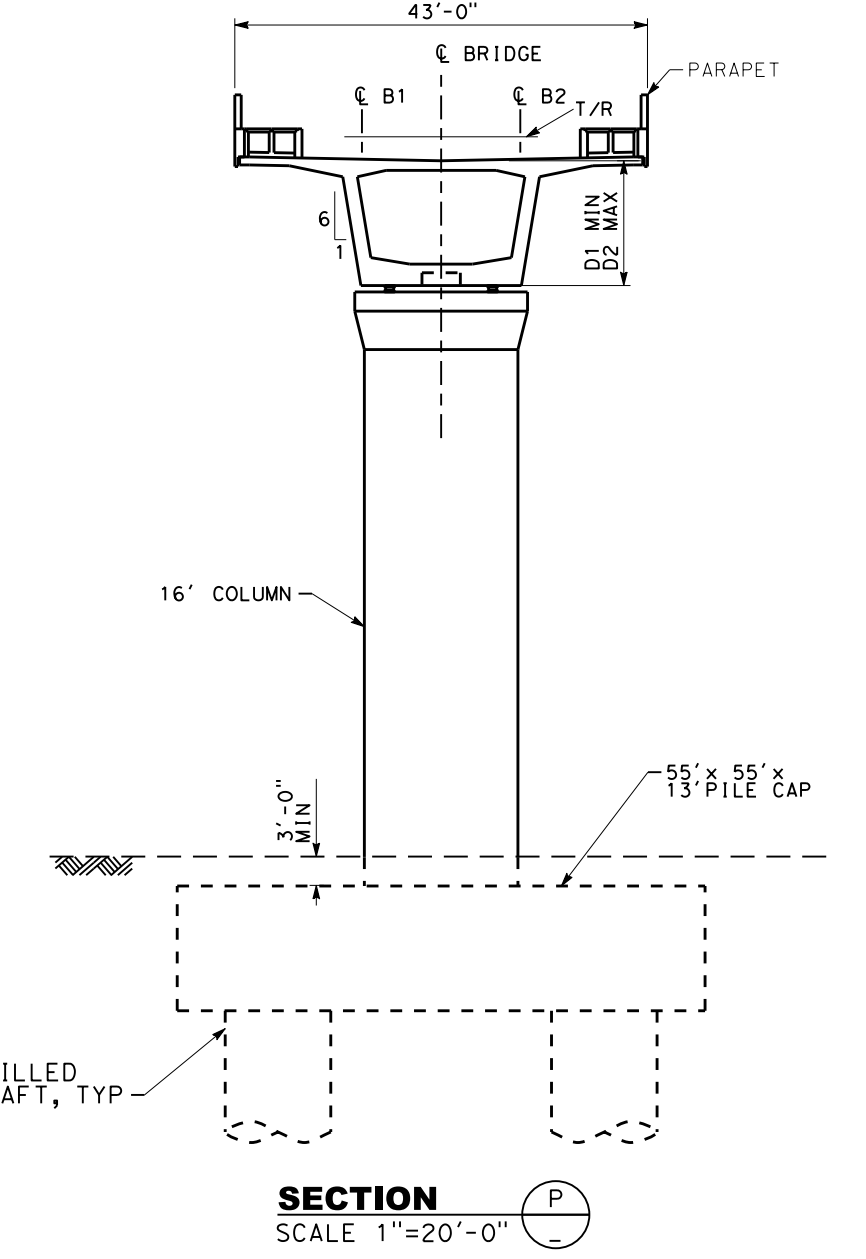
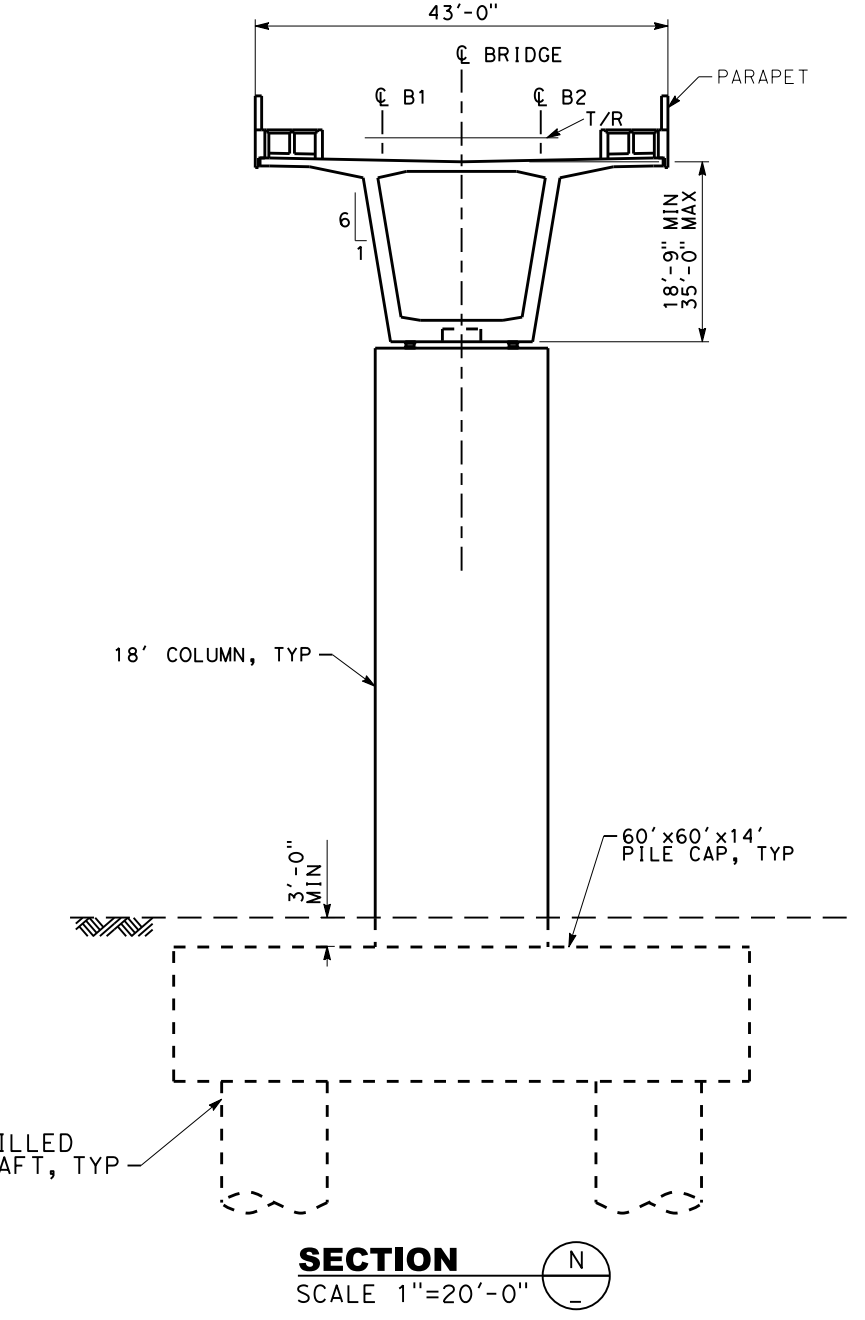
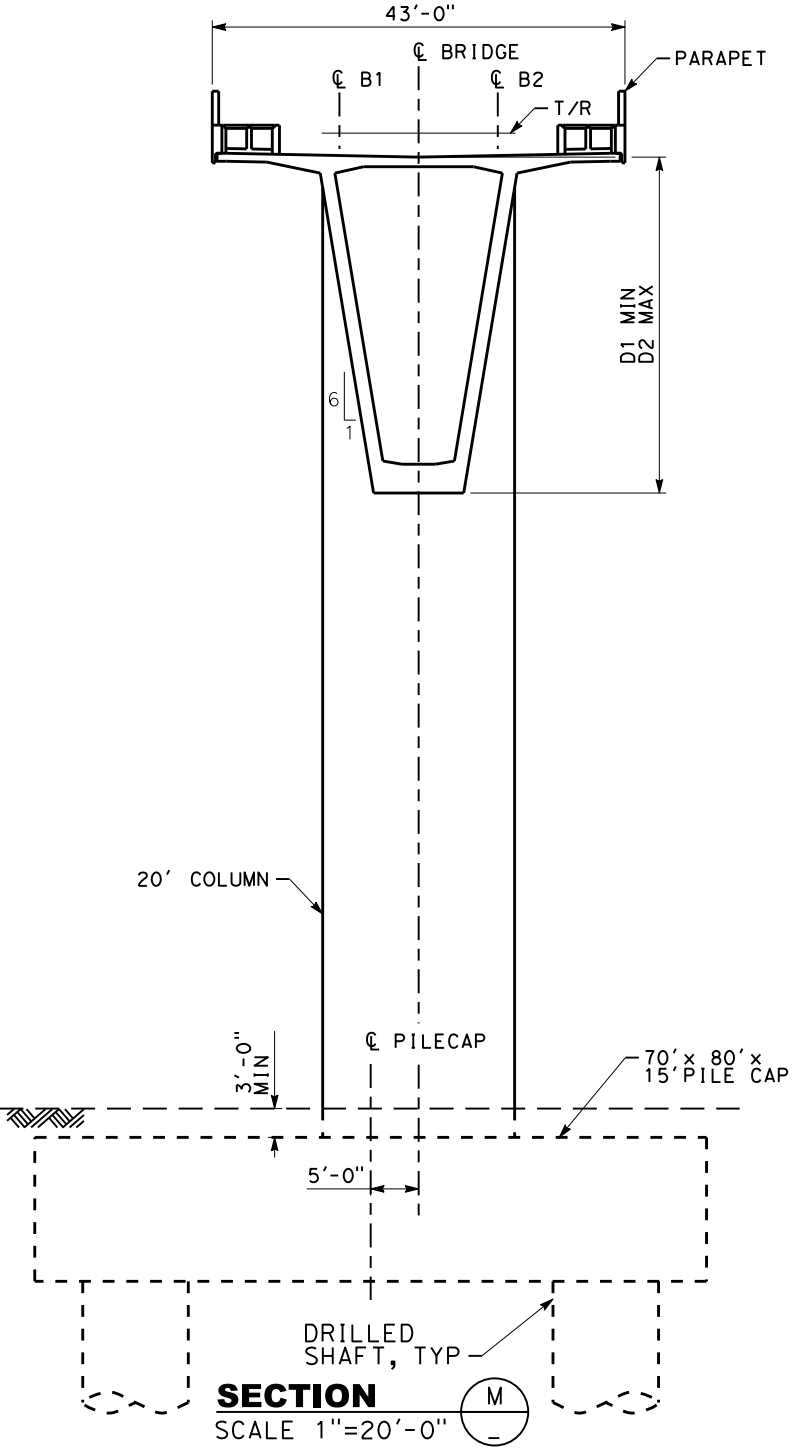
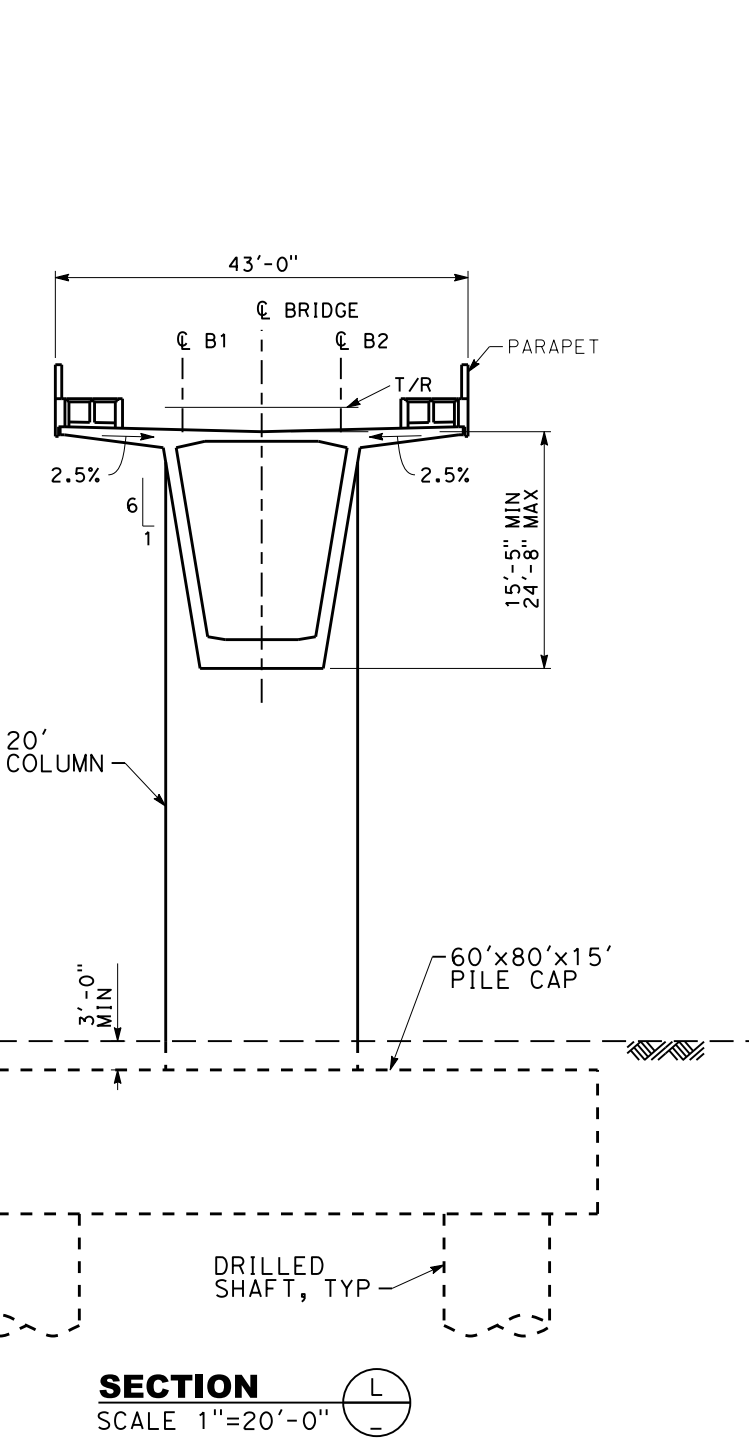


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 TYPICAL SECTIONS
 SHEET 2 OF 3

CONTRACT NO. HSR15-34
 DRAWING NO. ST-V0302
 SCALE AS SHOWN
 SHEET NO.

TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
219	18'-9"	30'-0"
220	18'-9"	35'-0"

TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
217	15'-6"	25'-0"
218	15'-6"	18'-9"
222	15'-6"	18'-9"
226	15'-0"	30'-0"
230	13'-0"	23'-0"



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 97 OF 218

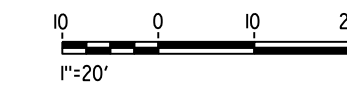
2021 RECORD SET PERD
 NOVEMBER 30, 2021
 NOT FOR CONSTRUCTION

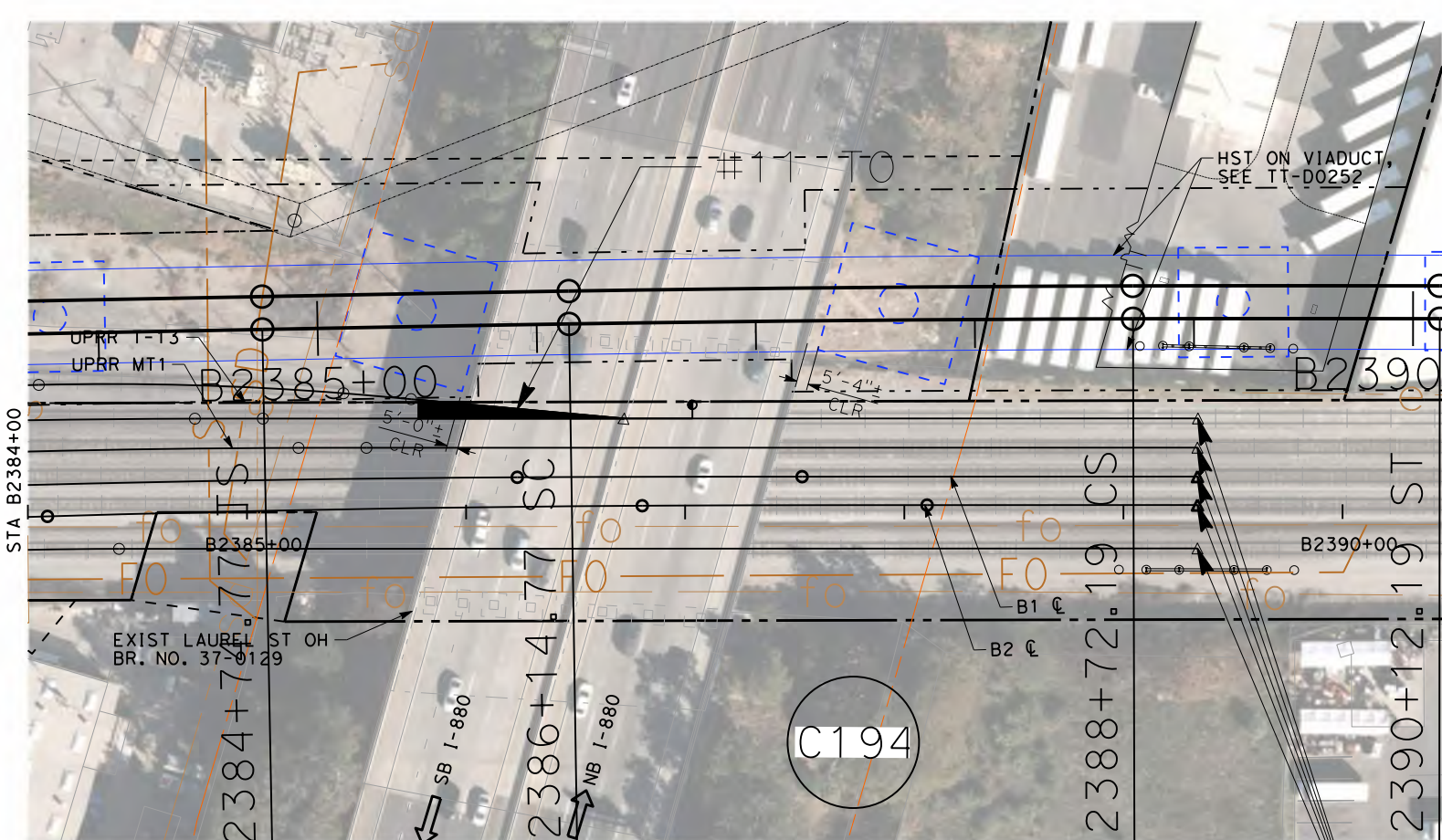
HNTB
 1111 Broadway
 9th Floor
 Oakland, CA 94607



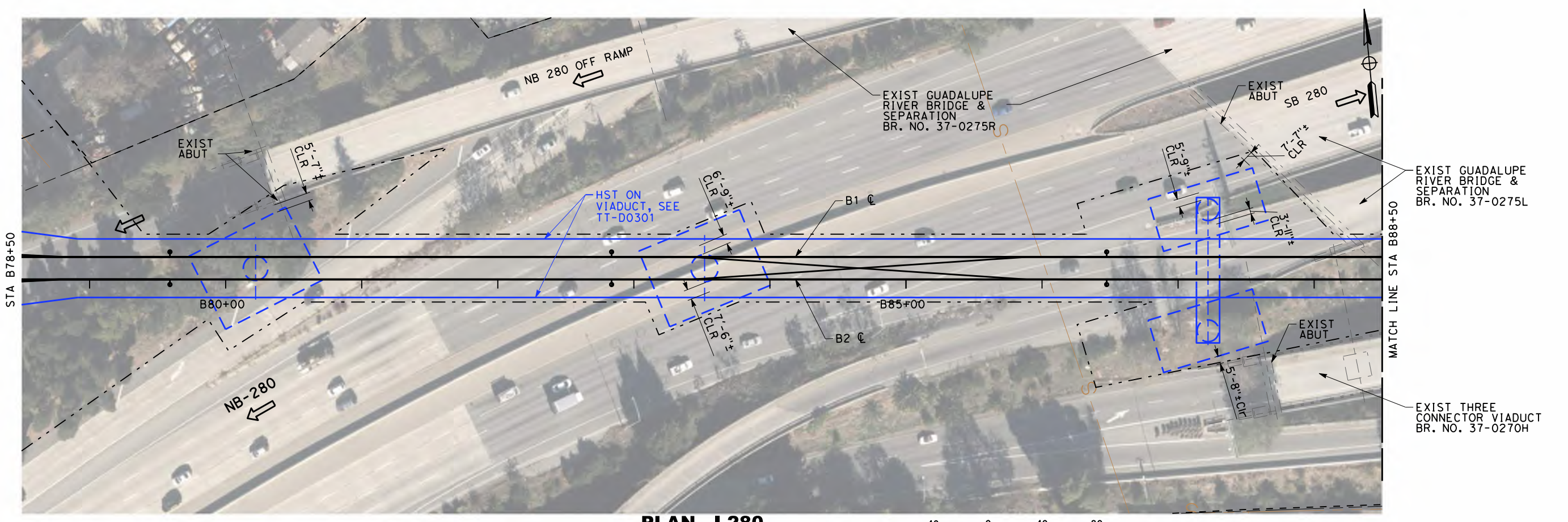
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 VIADUCT TO I-880
 TYPICAL SECTIONS
 SHEET 3 OF 3

CONTRACT NO. HSR15-34
 DRAWING NO. ST-V0303
 SCALE AS SHOWN
 SHEET NO.

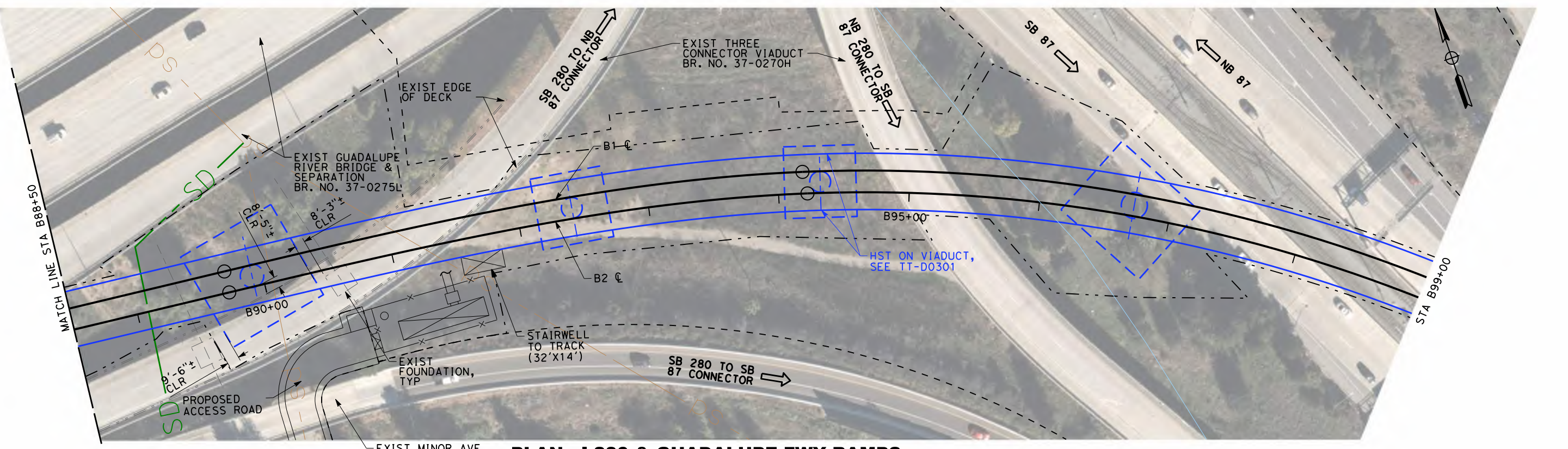




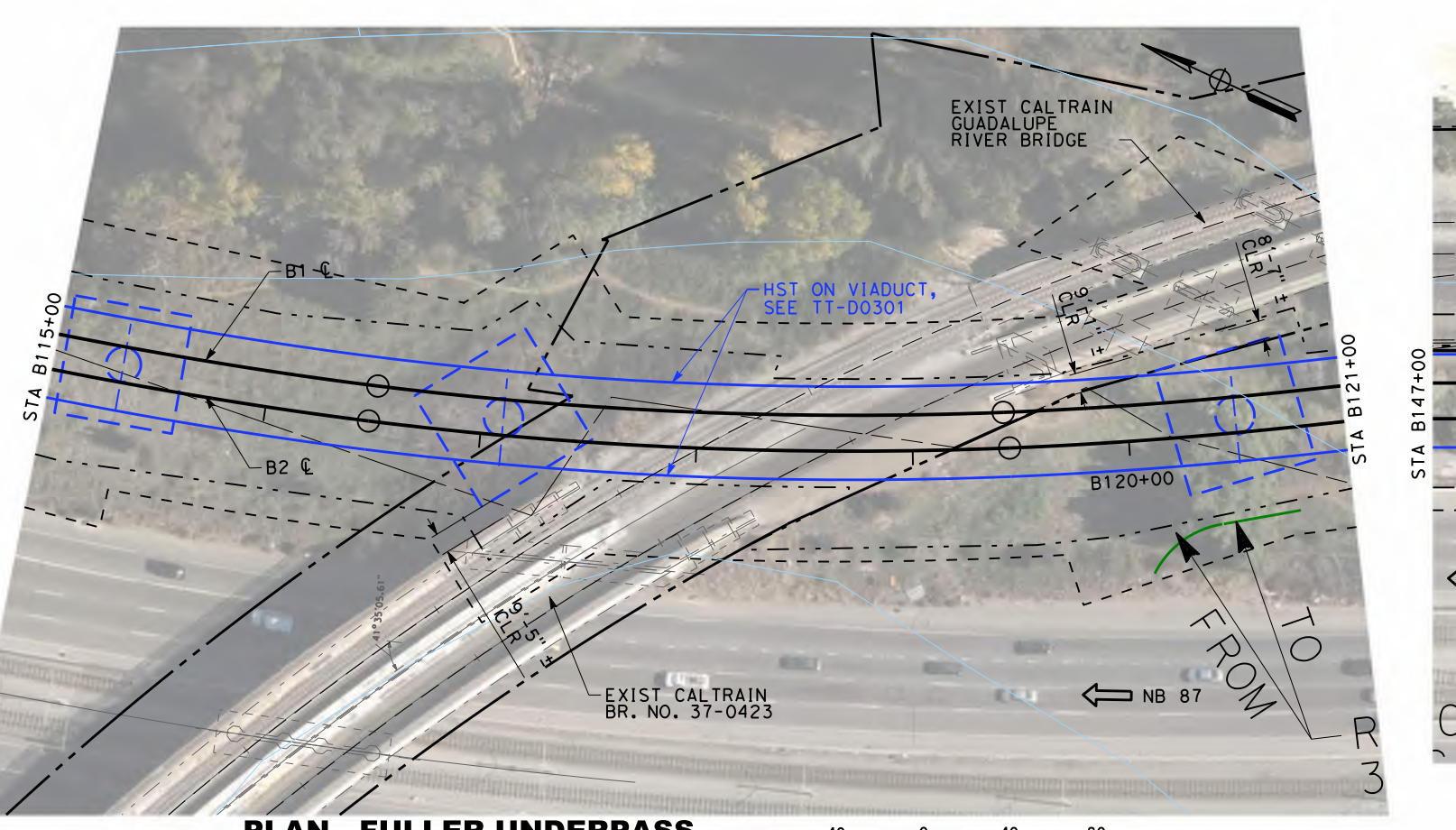
PLAN - I-880
SCALE: 1"=80'



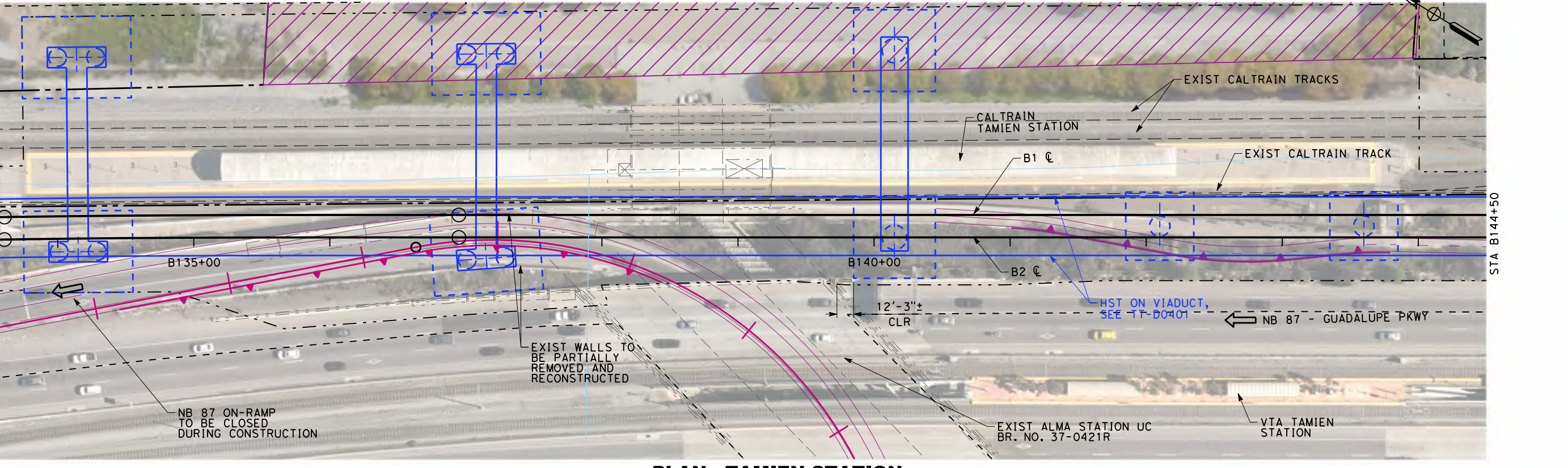
PLAN - I-280
SCALE: 1"=80'



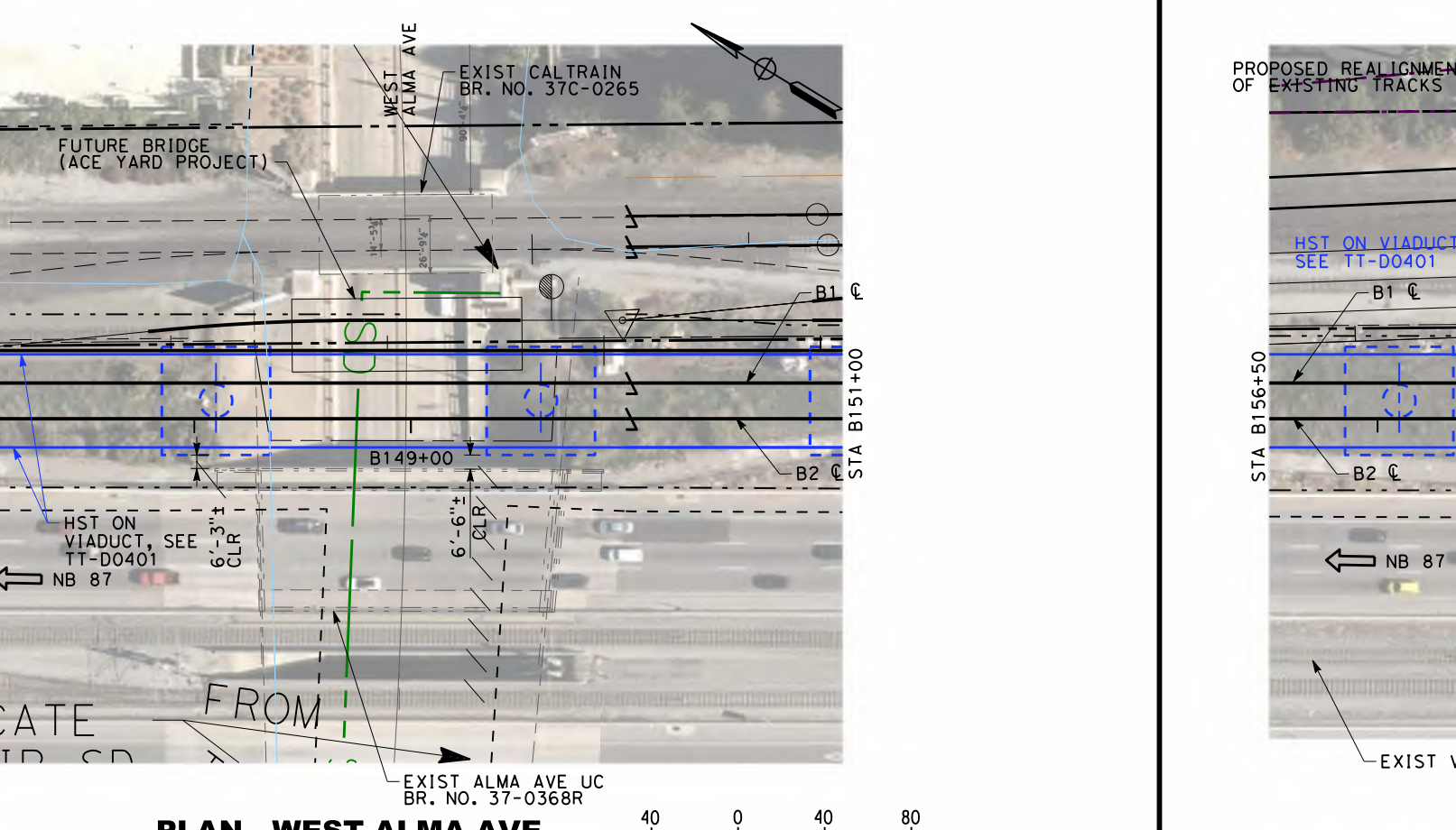
PLAN - I-280 & GUADALUPE FWY RAMPS
SCALE: 1"=80'



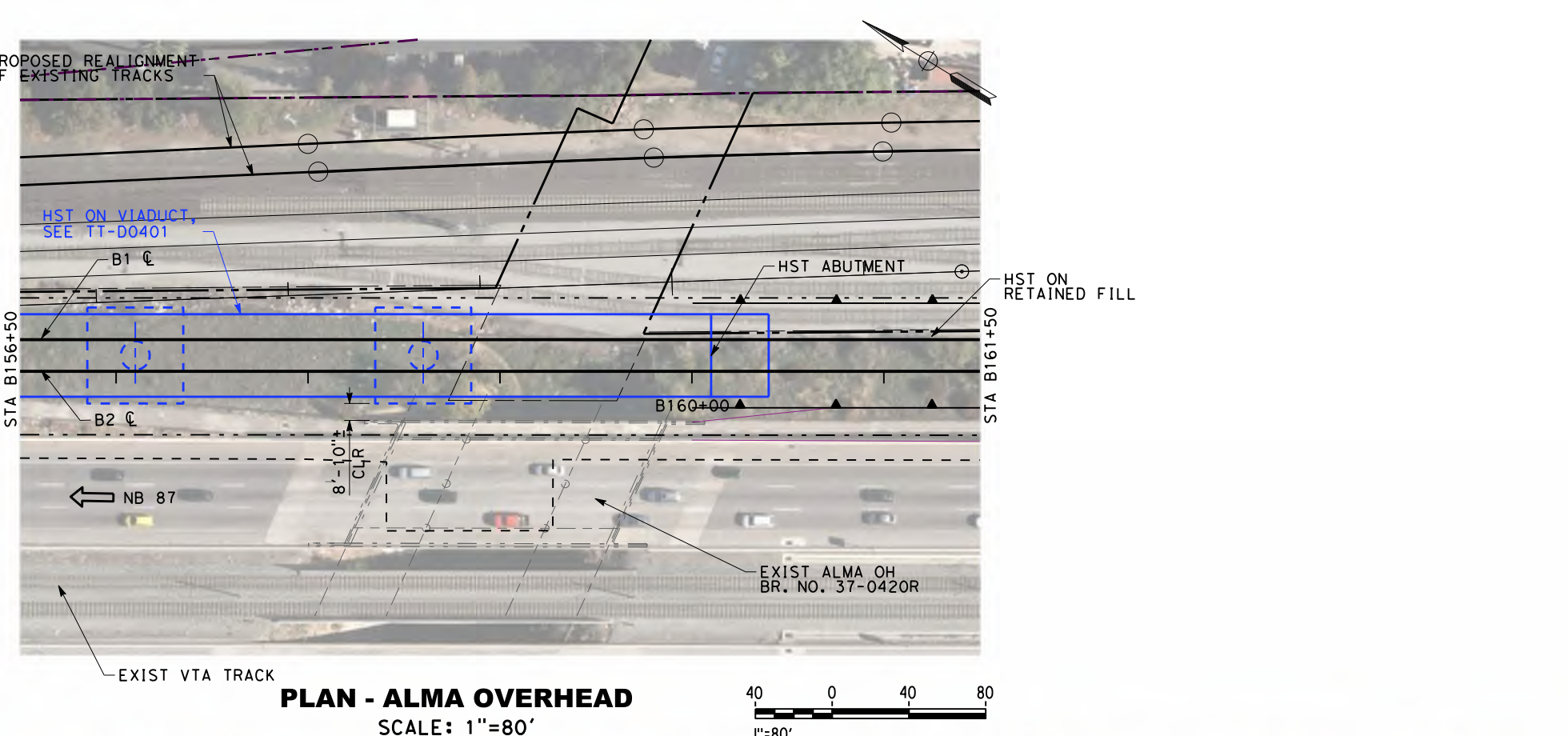
PLAN - FULLER UNDERPASS
SCALE: 1"=80'



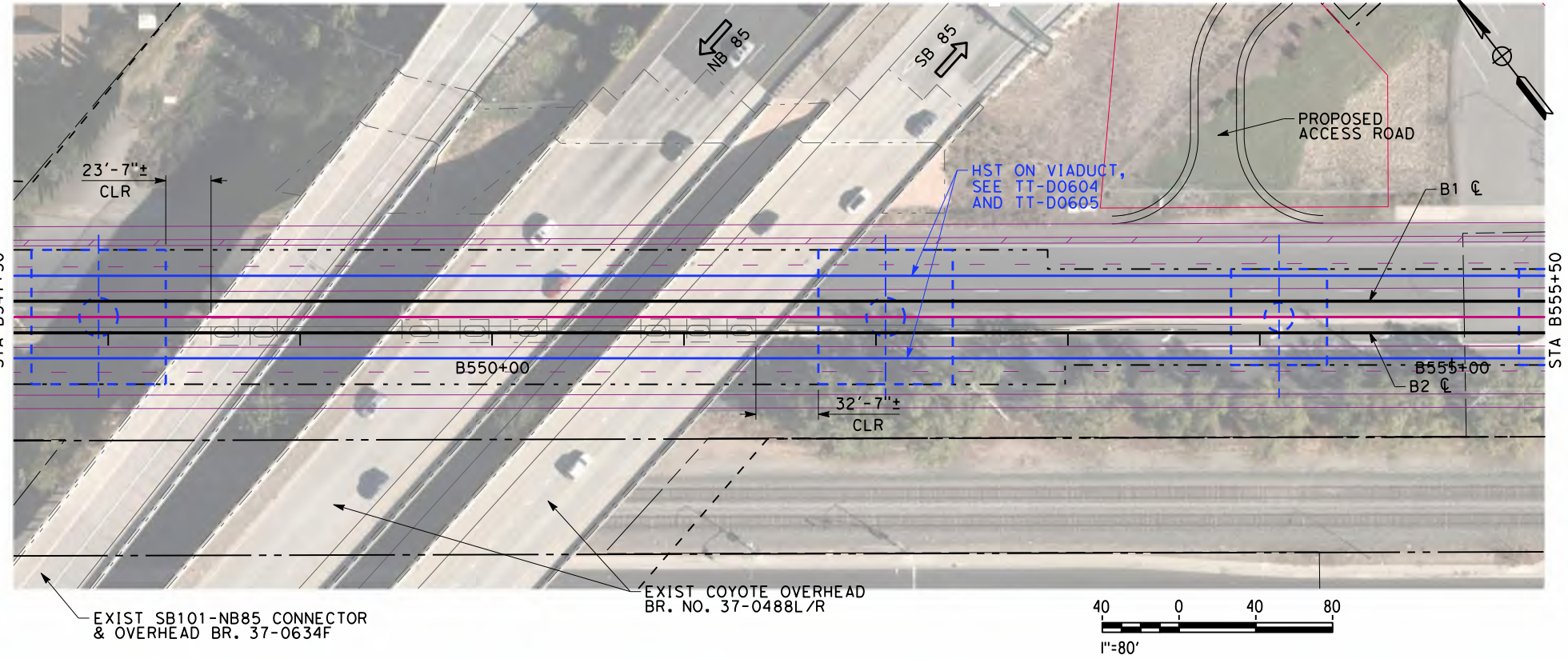
PLAN - TAMIEN STATION
SCALE: 1"=80'



PLAN - WEST ALMA AVE
SCALE: 1"=80'



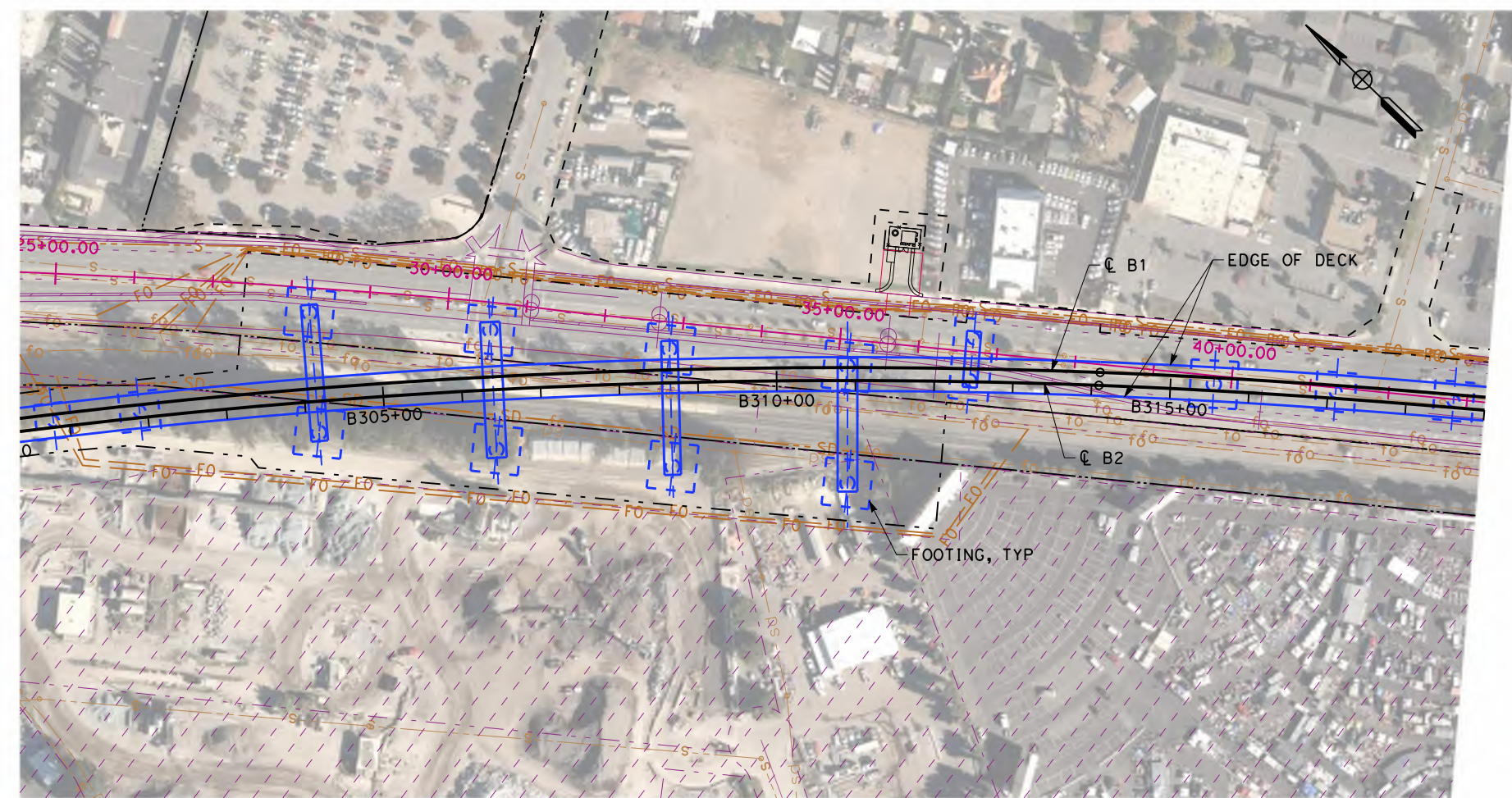
PLAN - ALMA OVERHEAD
SCALE: 1"=80'



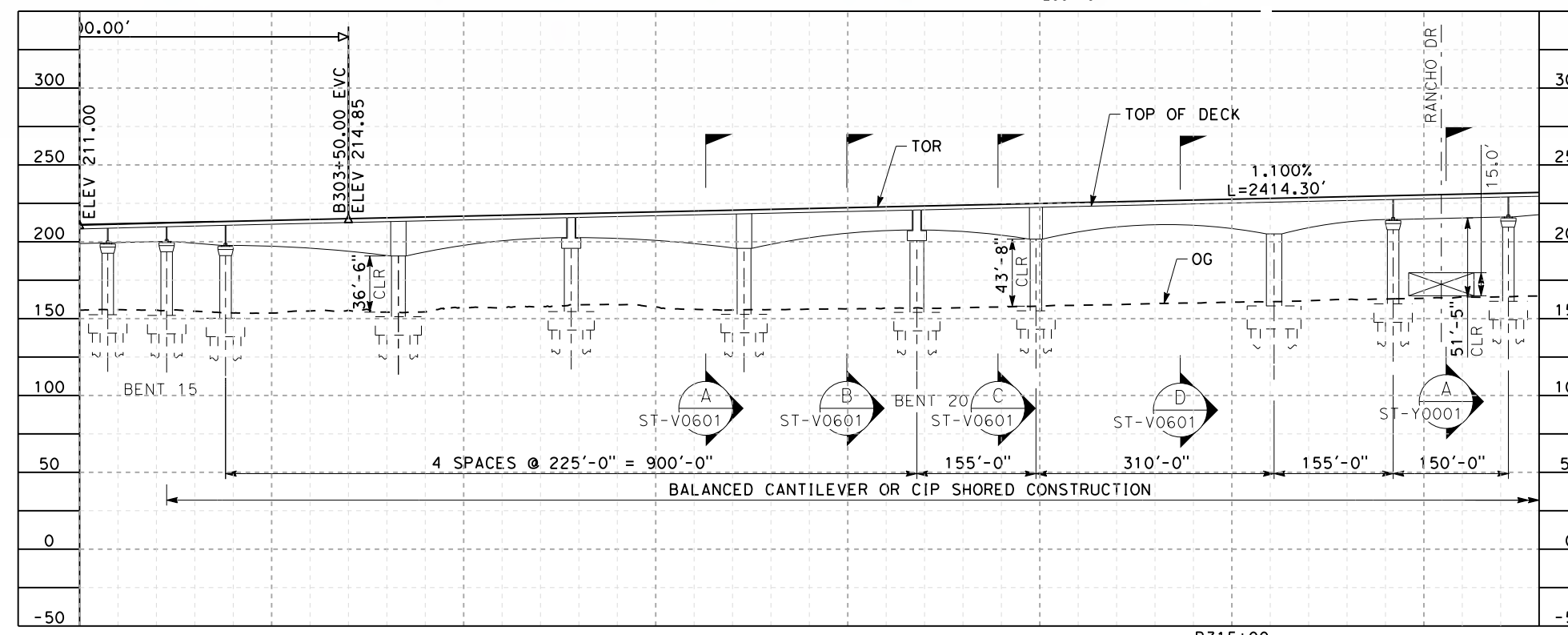
PLAN - COYOTE OVERHEAD
SCALE: 1"=80'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 98 OF 218

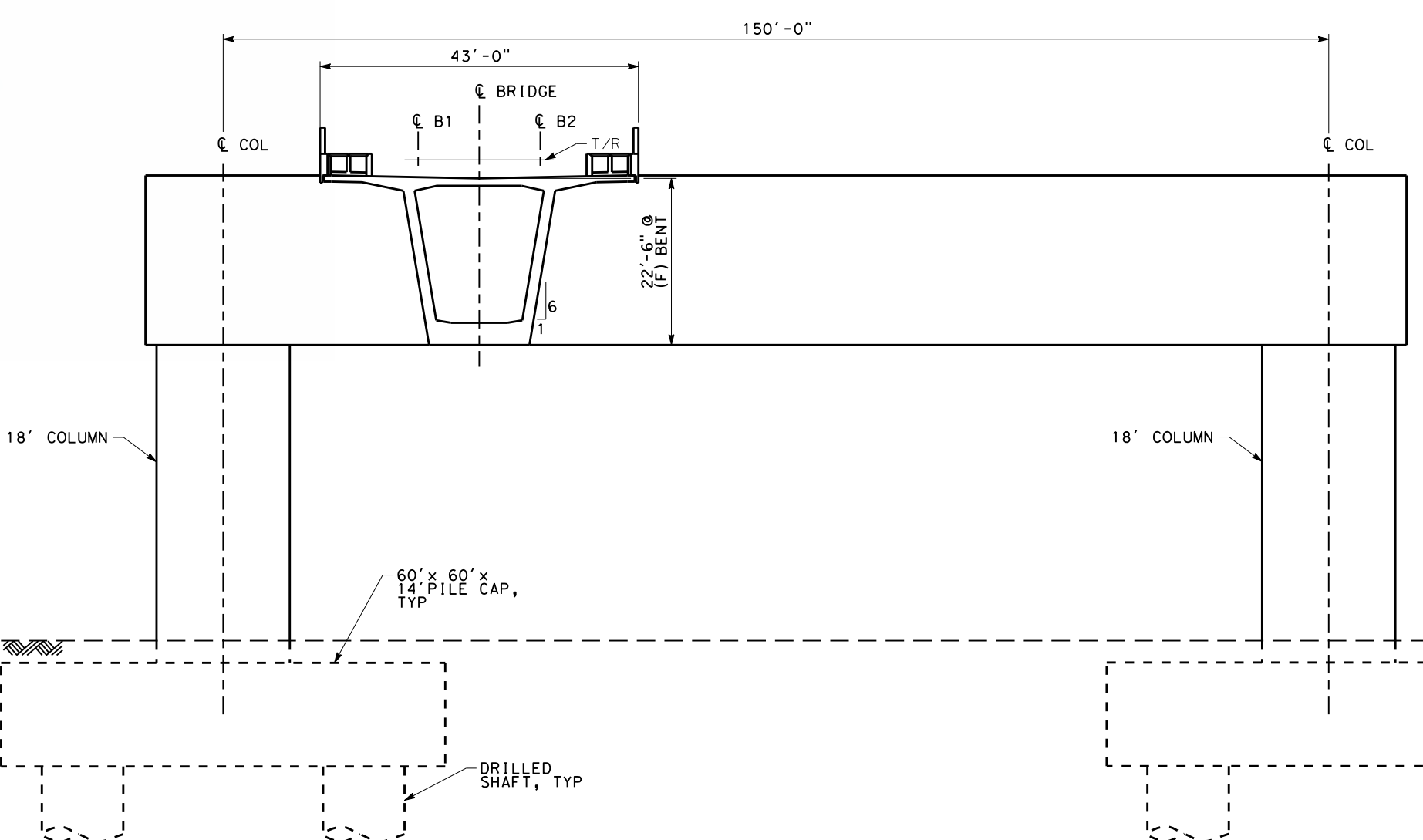
2021 RECORD SET P&ID NOVEMBER 30, 2021 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED		CONTRACT NO. HSR15-34
				SAN JOSE DIRIDON STATION APPROACH VIADUCT TO I-880 CALTRANS STRUCTURES GENERAL PLAN		DRAWING NO. ST-T0301 SCALE AS SHOWN SHEET NO.



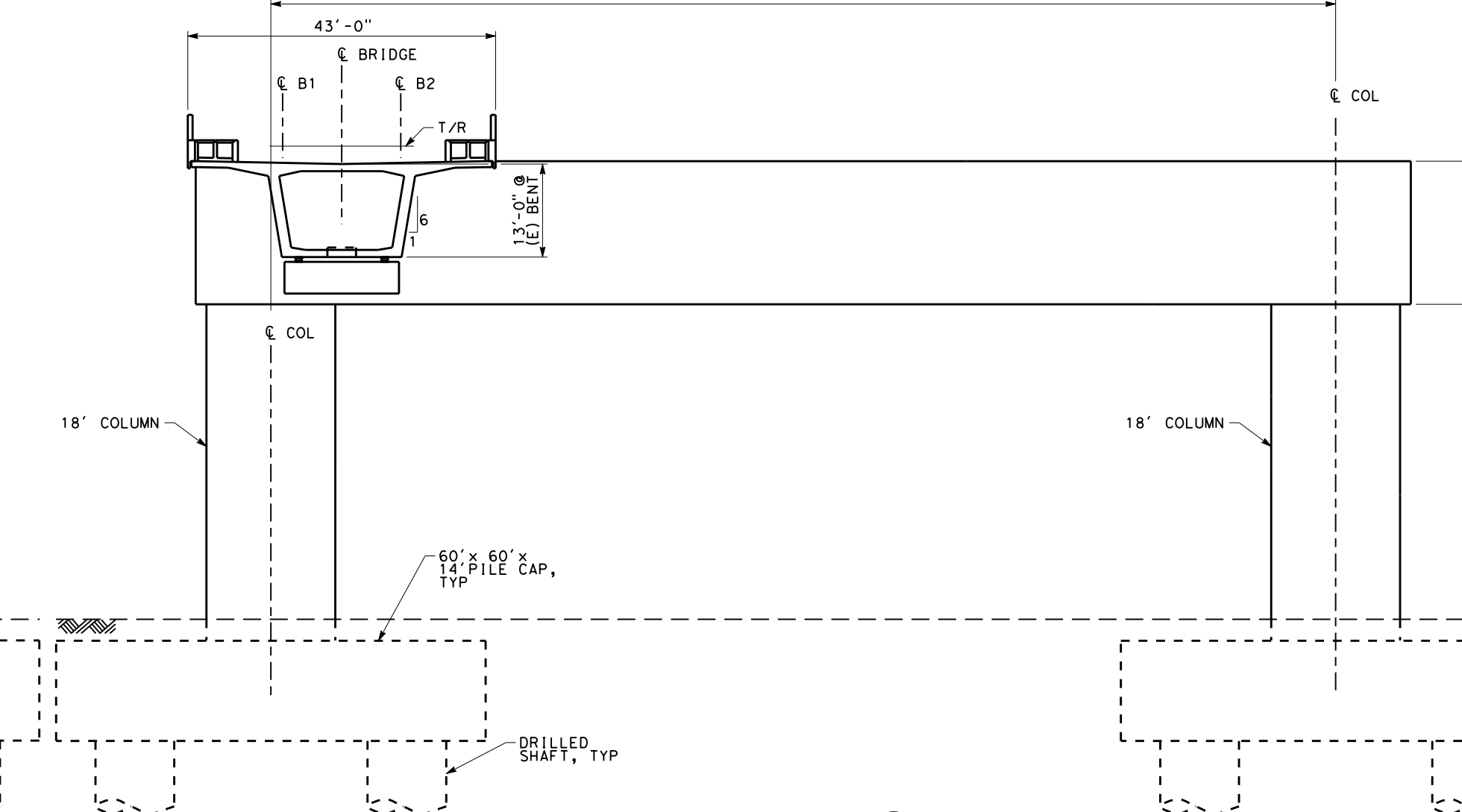
PLAN - CAPITOL CALTRAIN
SCALE: 1"=200'



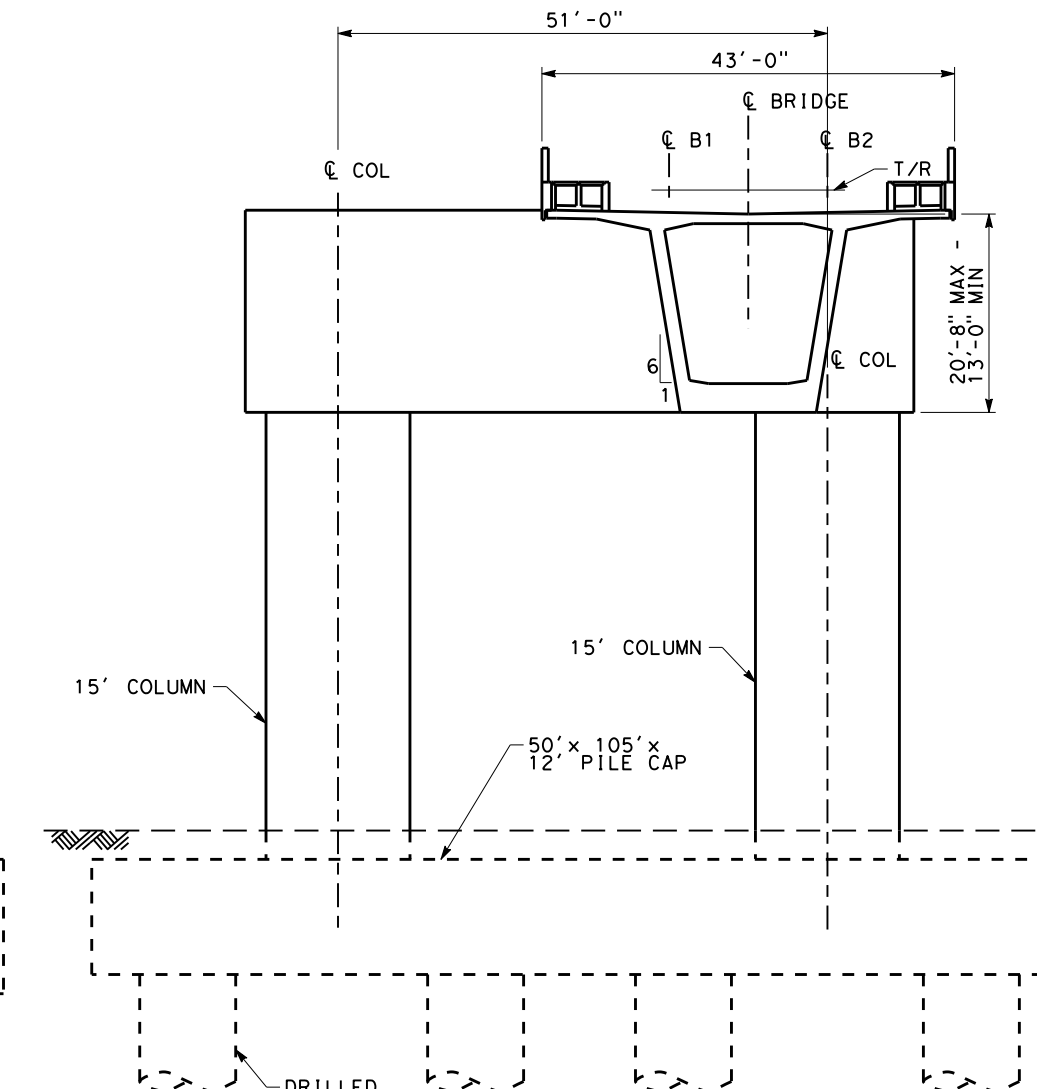
PROFILE - CAPITOL CALTRAIN
SCALE: 1"=200' HOR, 1"=100' VERT



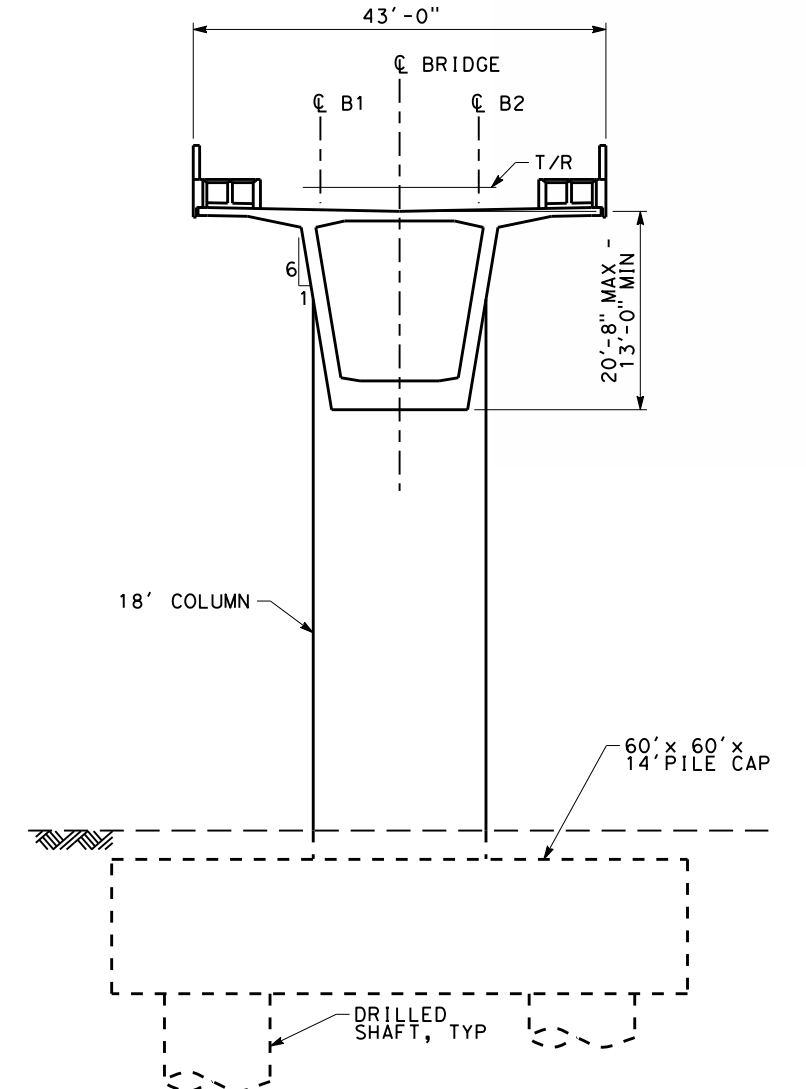
SECTION A-A
SCALE 1"=20'-0"



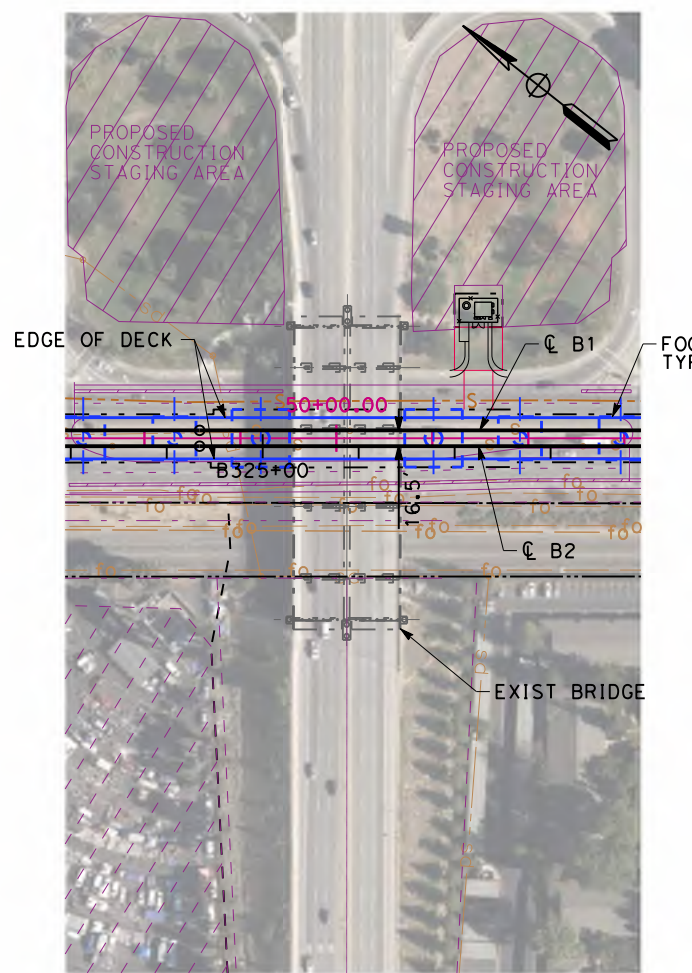
SECTION B-B
SCALE 1"=20'-0"



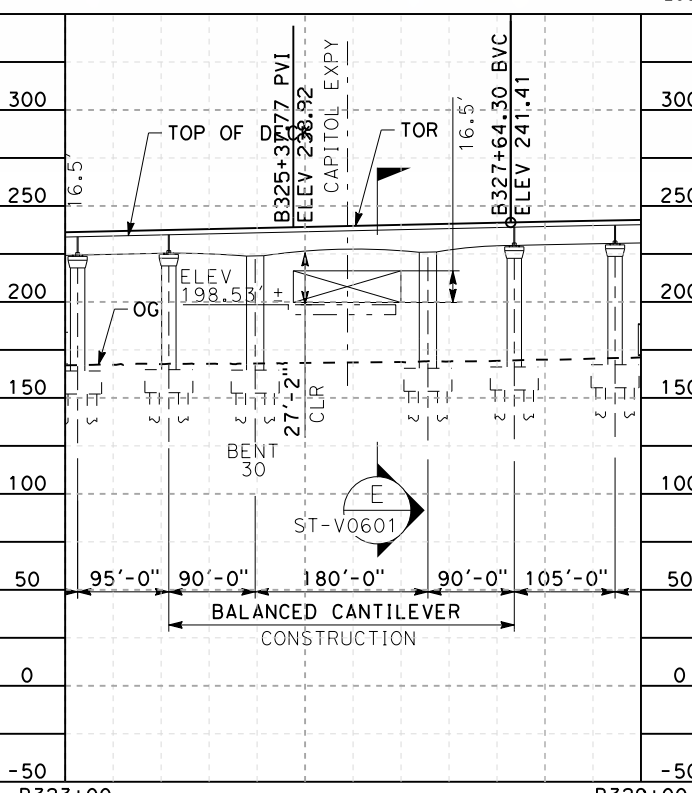
SECTION C-C
SCALE 1"=20'-0"



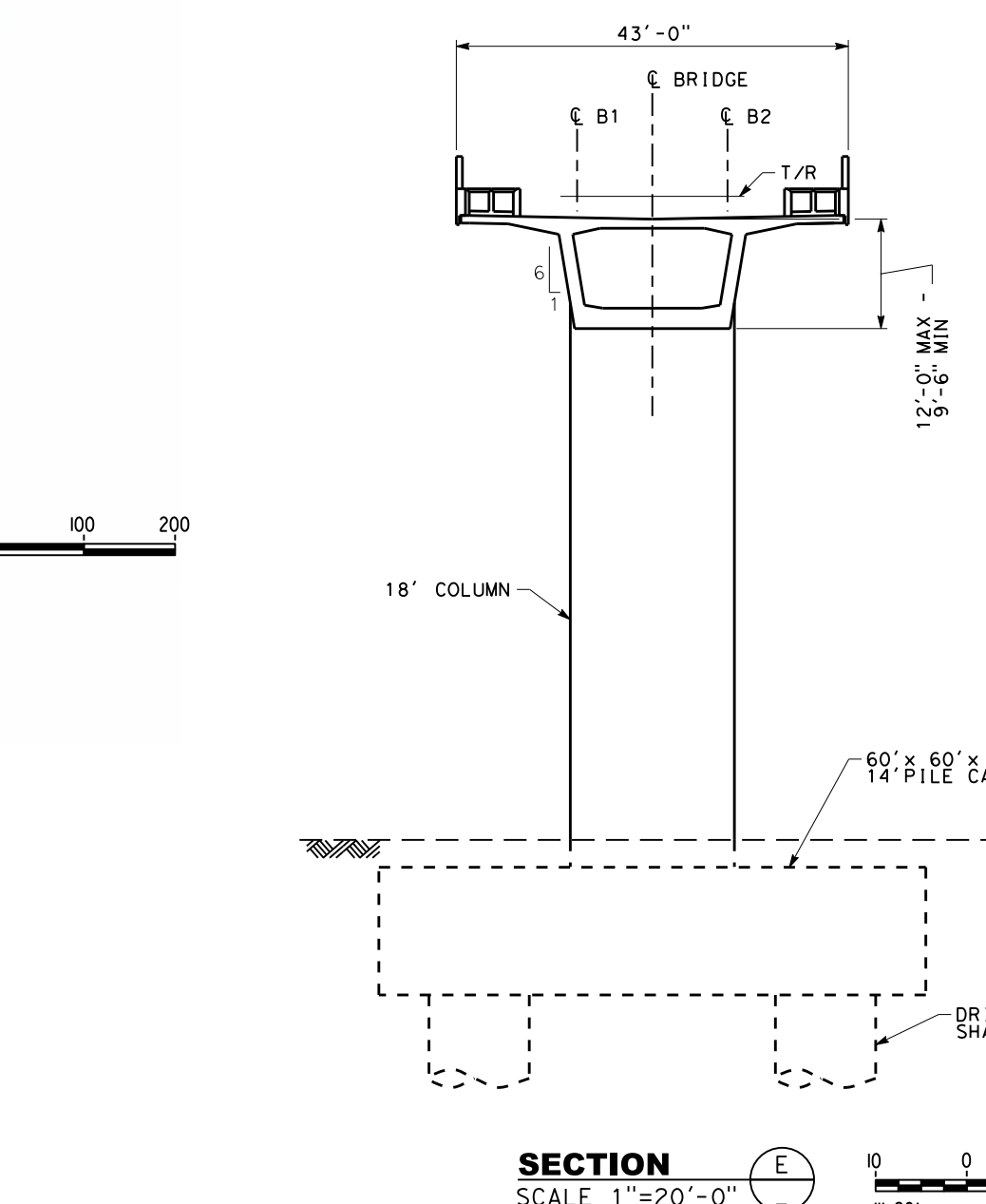
SECTION D-D
SCALE 1"=20'-0"



PLAN - CAPITOL EXPRESSWAY
SCALE: 1"=200'



PROFILE - CAPITOL EXPRESSWAY
SCALE: 1"=200' HOR, 1"=100' VERT



SECTION E-E
SCALE 1"=20'-0"

2021 RECORD SET PERD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION



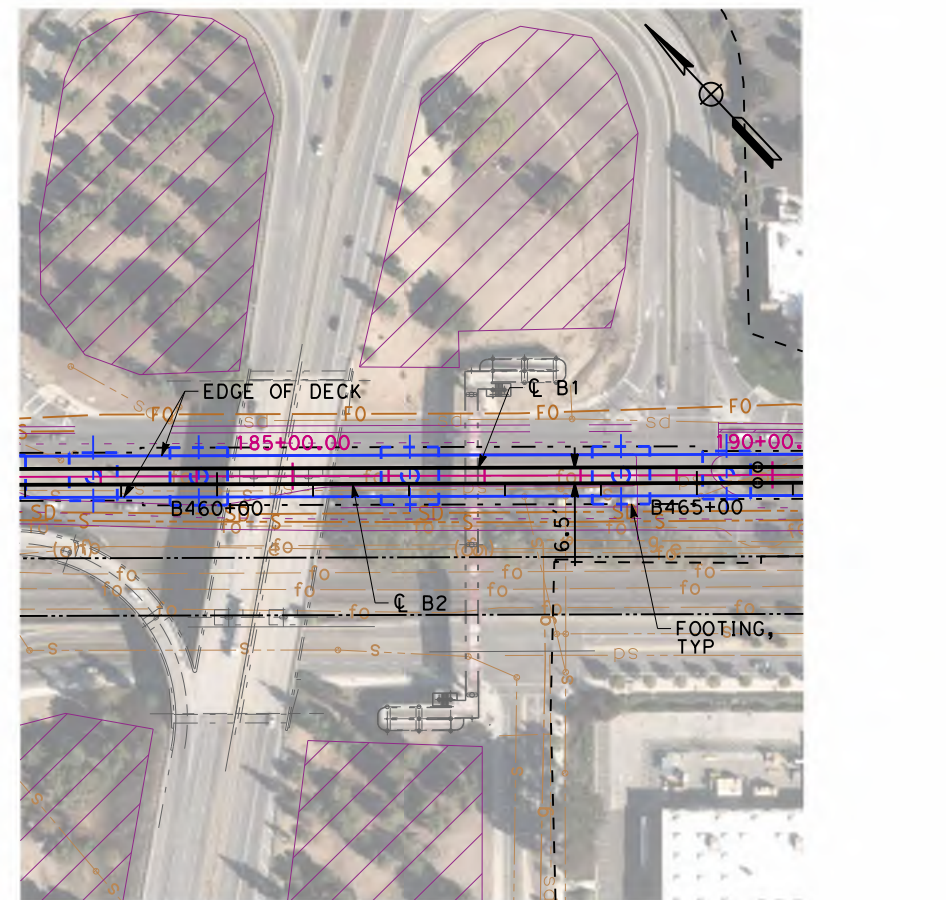
1111 Broadway
9th Floor
Oakland, CA 94607



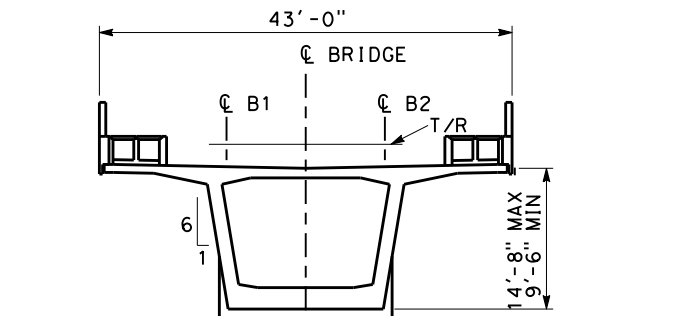
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
VIADUCT
COMPLEX STRUCTURES
GENERAL PLAN 1 OF 2

CONTRACT NO. HSR15-34
DRAWING NO. ST-V0601
SCALE AS SHOWN
SHEET NO.

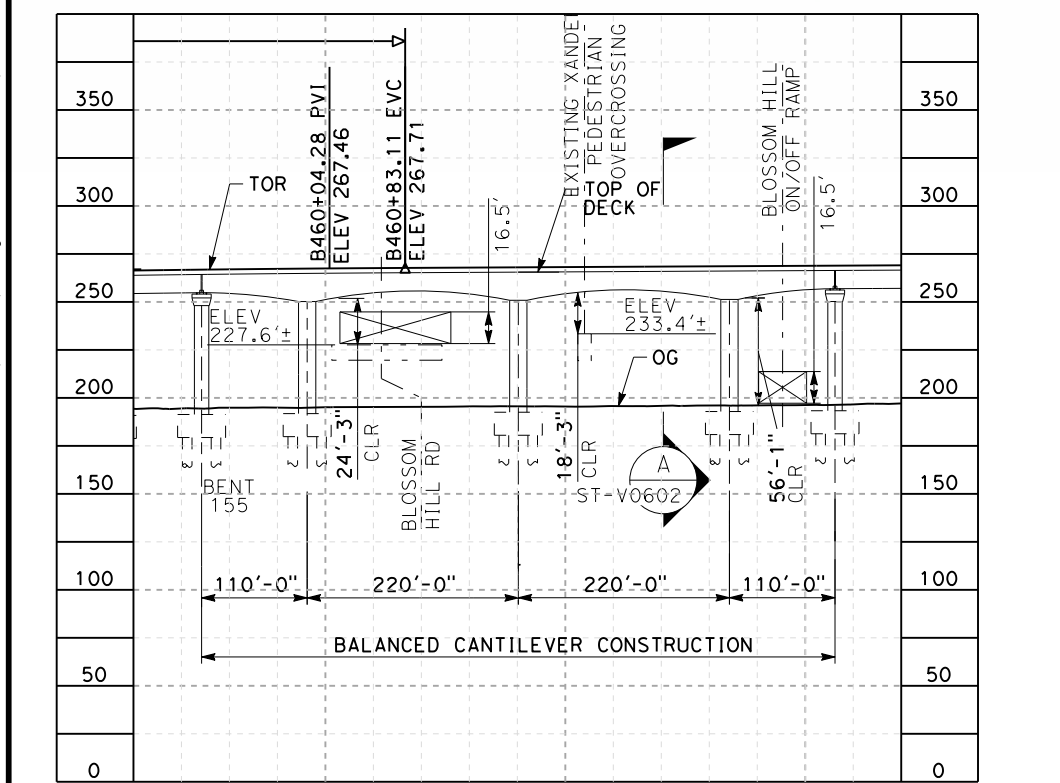
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 100 OF 218



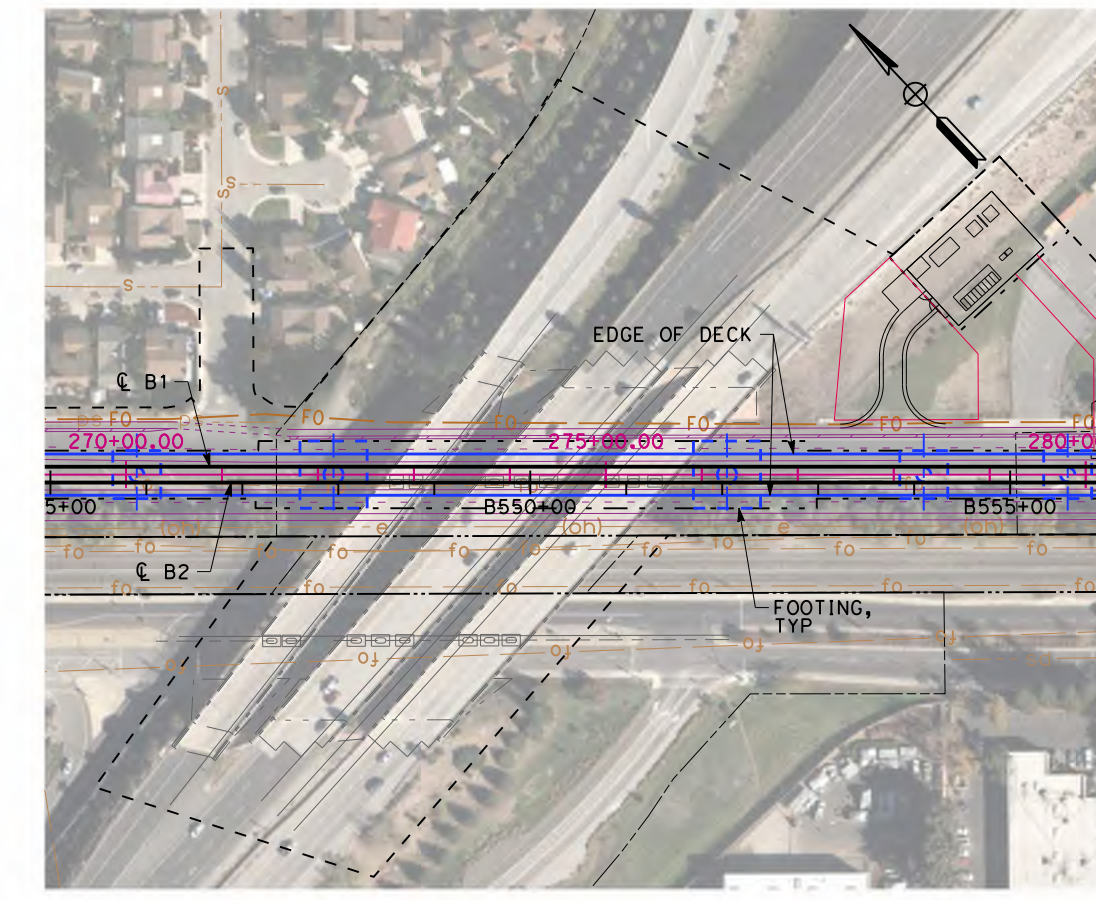
PLAN - BLOSSOM HILL ROAD
SCALE: 1"=200'



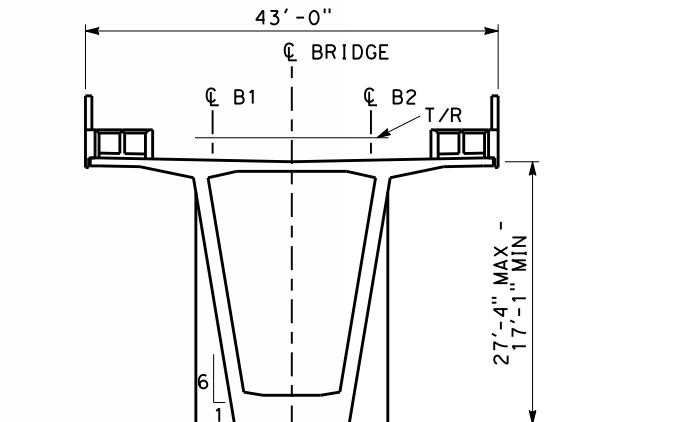
SECTION A-A
SCALE 1"=20'-0"



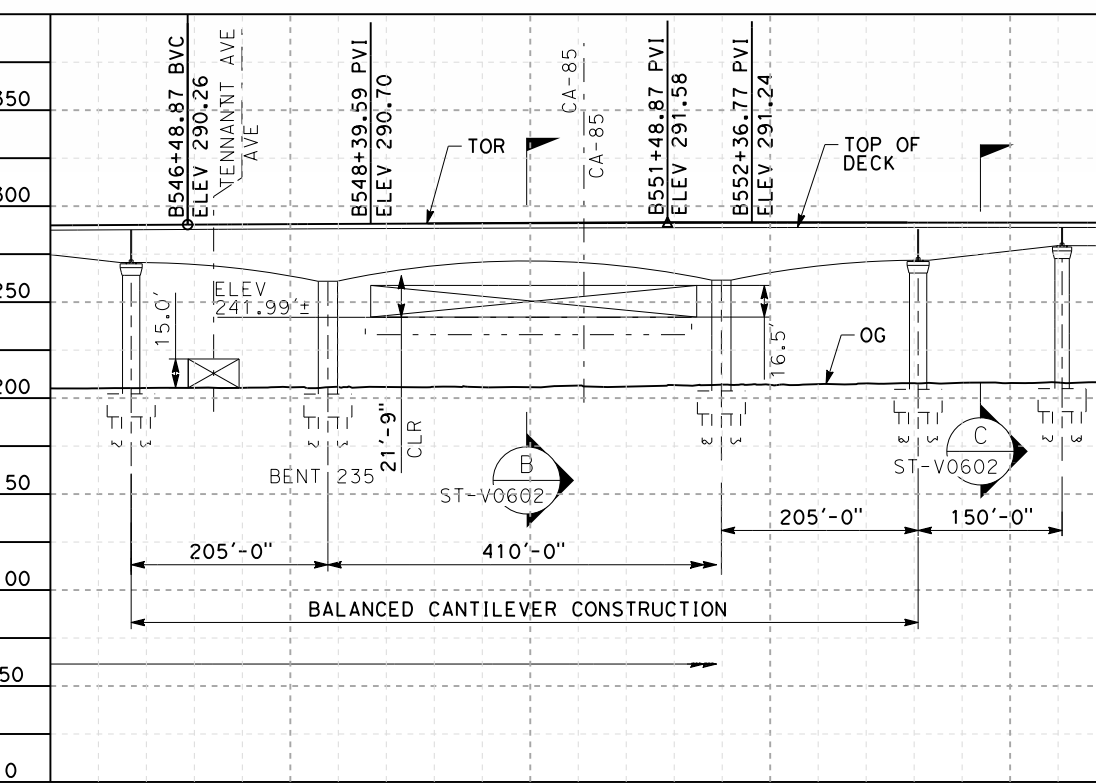
PROFILE - BLOSSOM HILL ROAD
SCALE: 1"=200' HOR, 1"=100' VERT



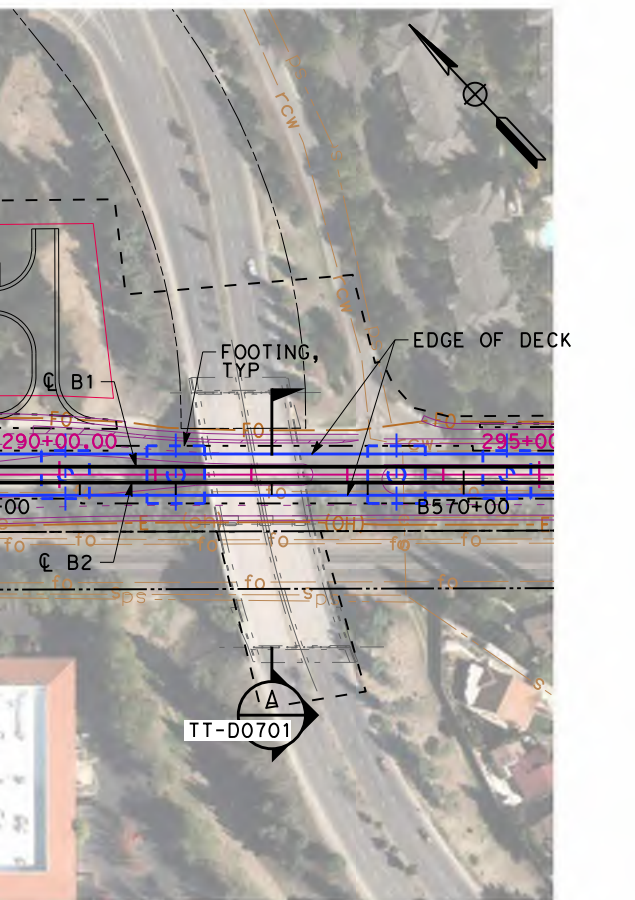
PLAN - STATE ROUTE 85
SCALE: 1"=200'



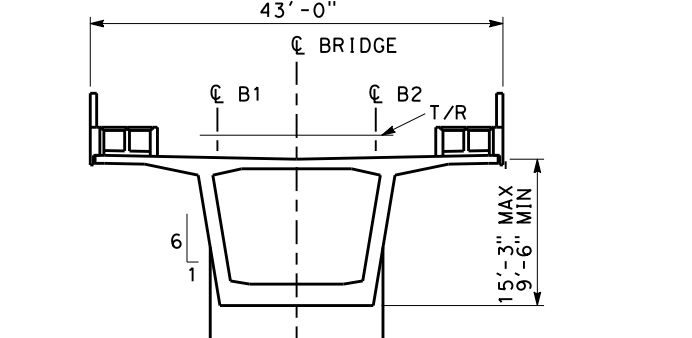
SECTION B-B
SCALE 1"=20'-0"



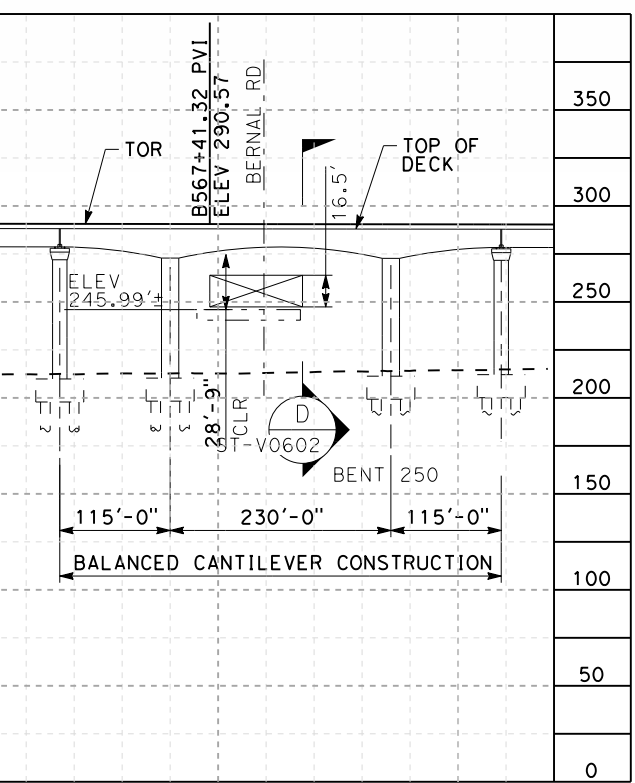
PROFILE - STATE ROUTE 85
SCALE: 1"=200' HOR, 1"=100' VERT



PLAN - BERNAL ROAD
SCALE: 1"=200'



SECTION D-D
SCALE 1"=20'-0"

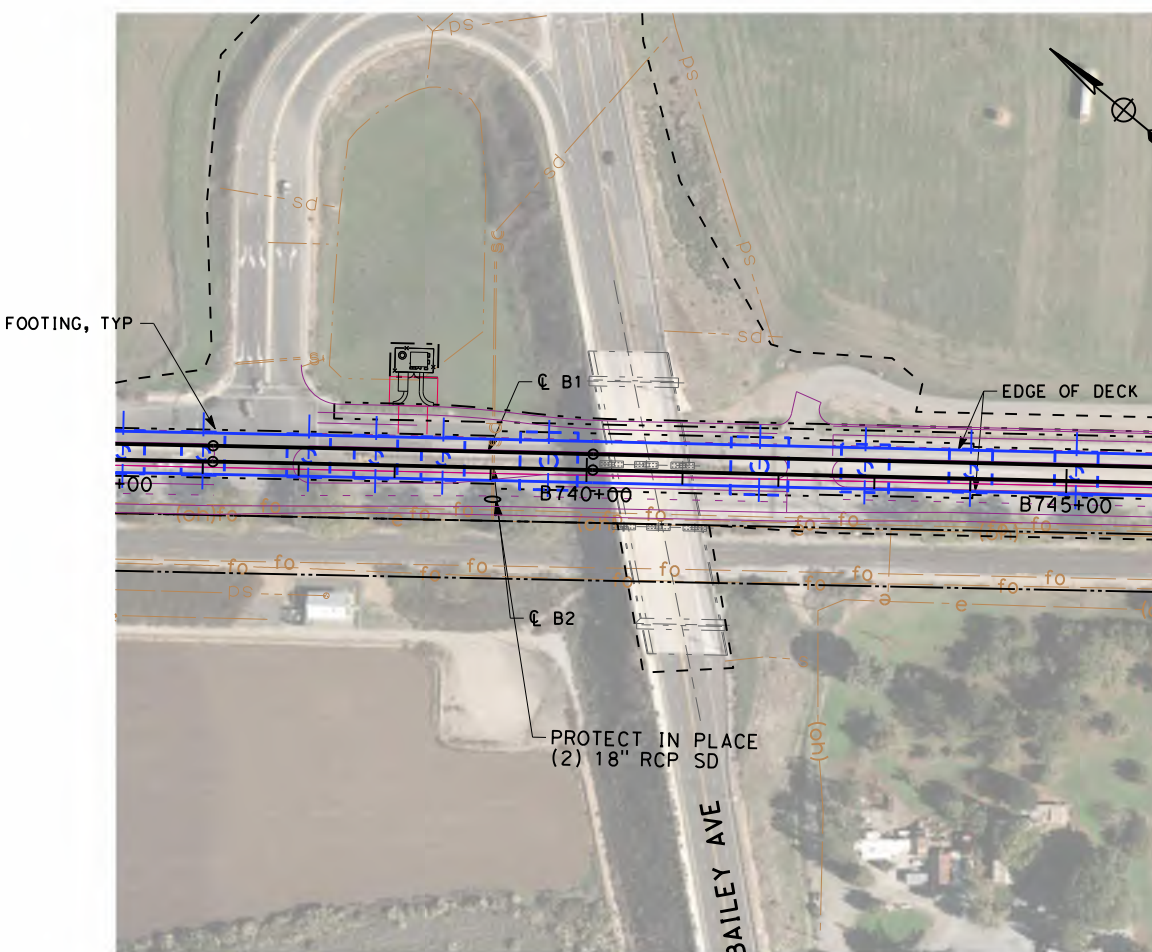


PROFILE - BERNAL ROAD
SCALE: 1"=200' HOR, 1"=100' VERT

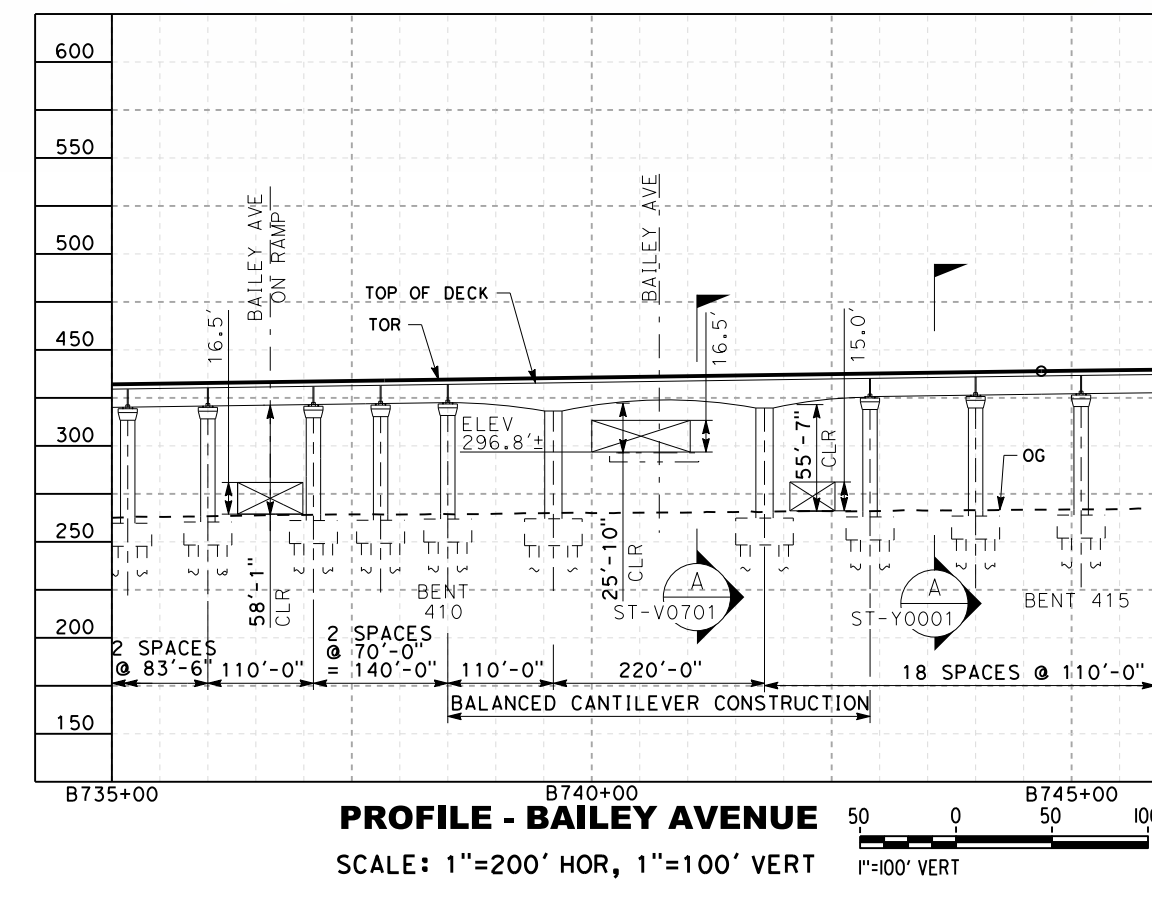
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 101 OF 218

2021 RECORD SET PERD NOVEMBER 30, 2021 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 MONTEREY CORRIDOR VIADUCT COMPLEX STRUCTURES GENERAL PLAN 2 OF 2	CONTRACT NO. HSR15-34 DRAWING NO. ST-V0602 SCALE: AS SHOWN SHEET NO.
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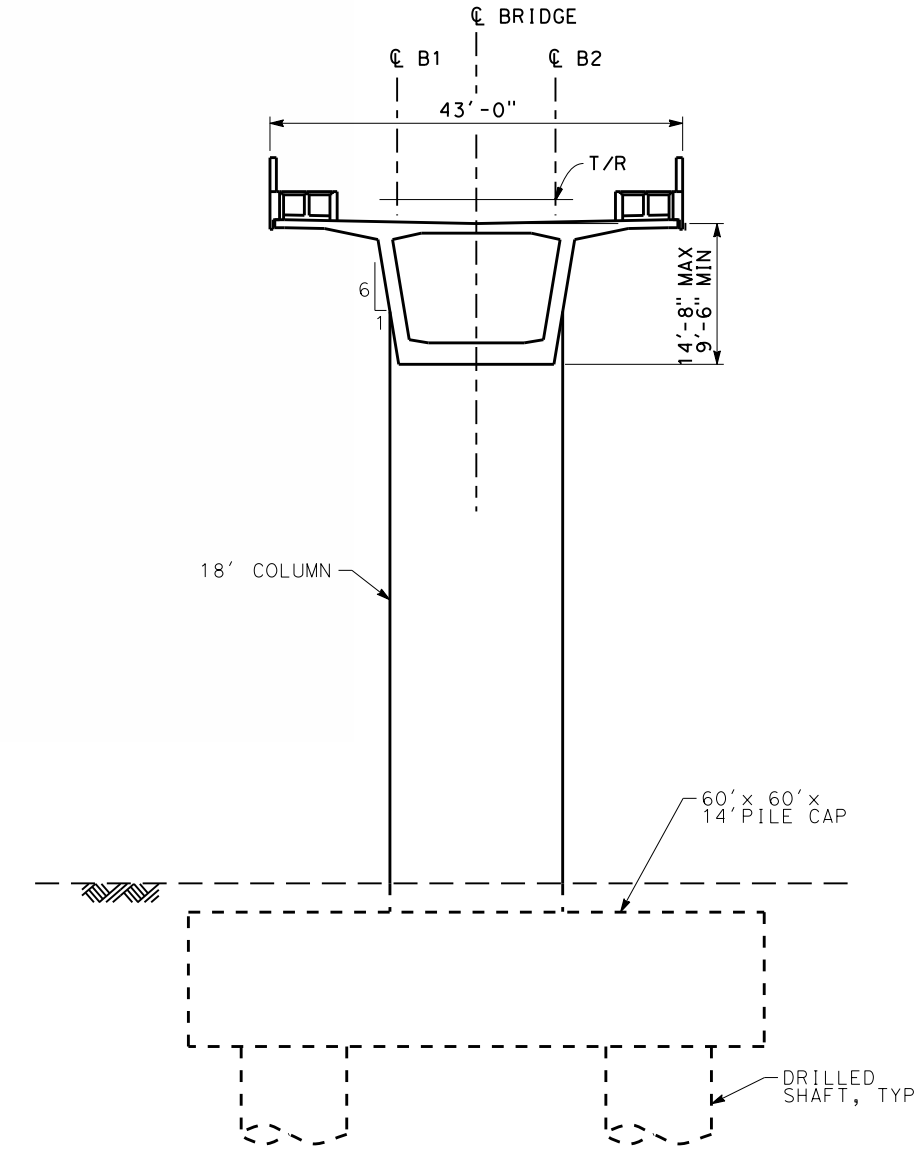
2/22/2021 10:35:46 AM C:\p001\hwy\coron\46037_coron\dwg\1228\alt1\1021.dwg 1228\alt1\1021.dwg



PLAN - SB 101 TO BAILEY AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



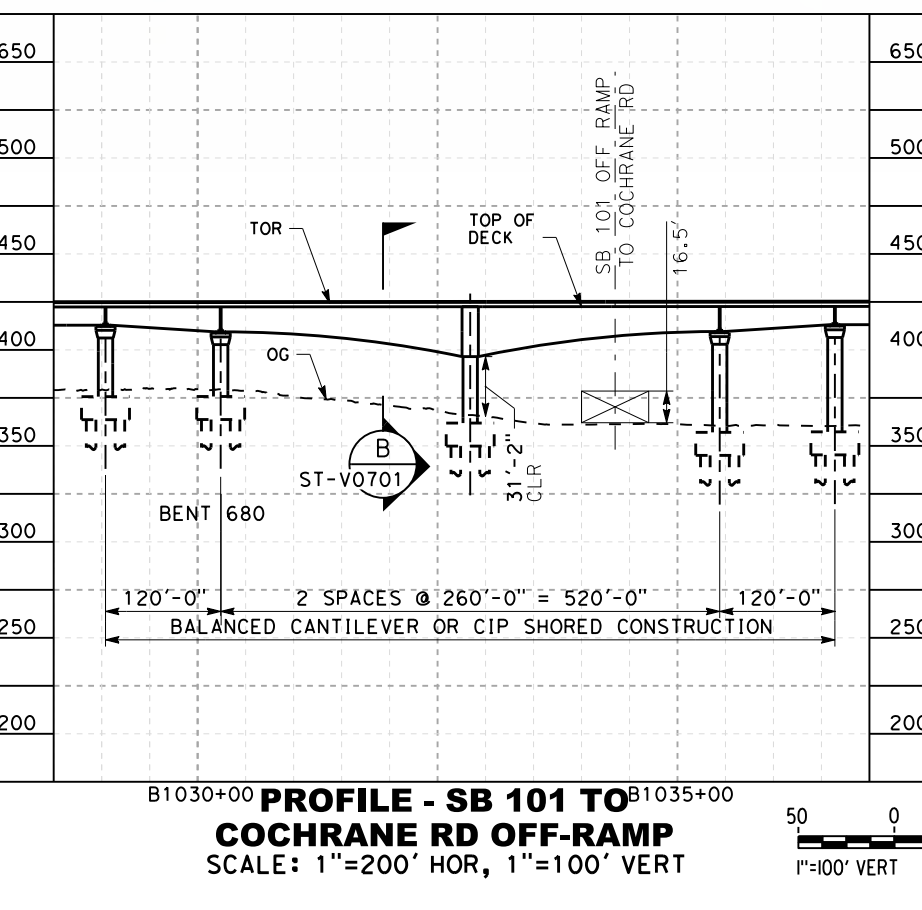
PROFILE - BAILEY AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



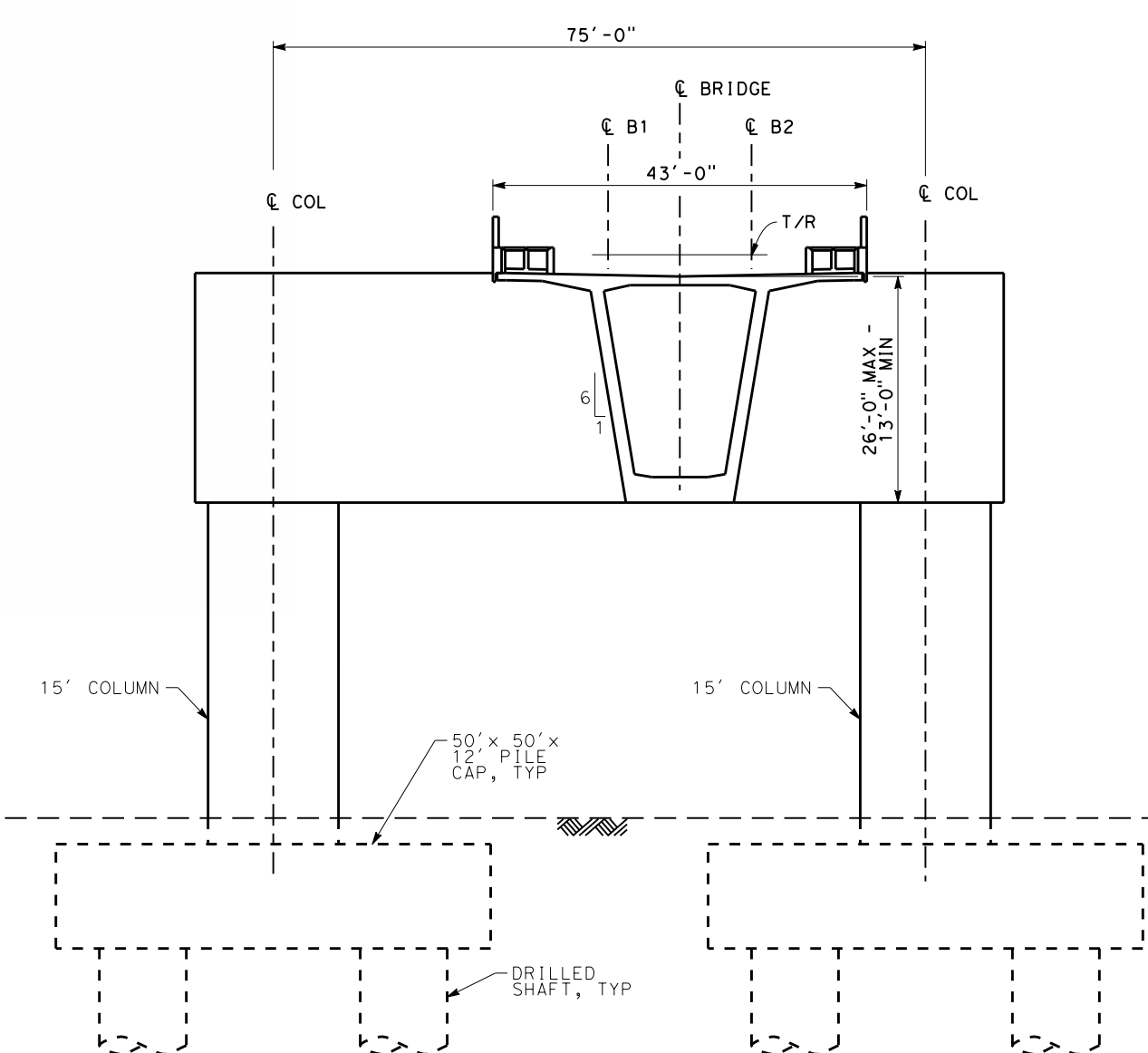
SECTION A
SCALE 1"=20'-0"



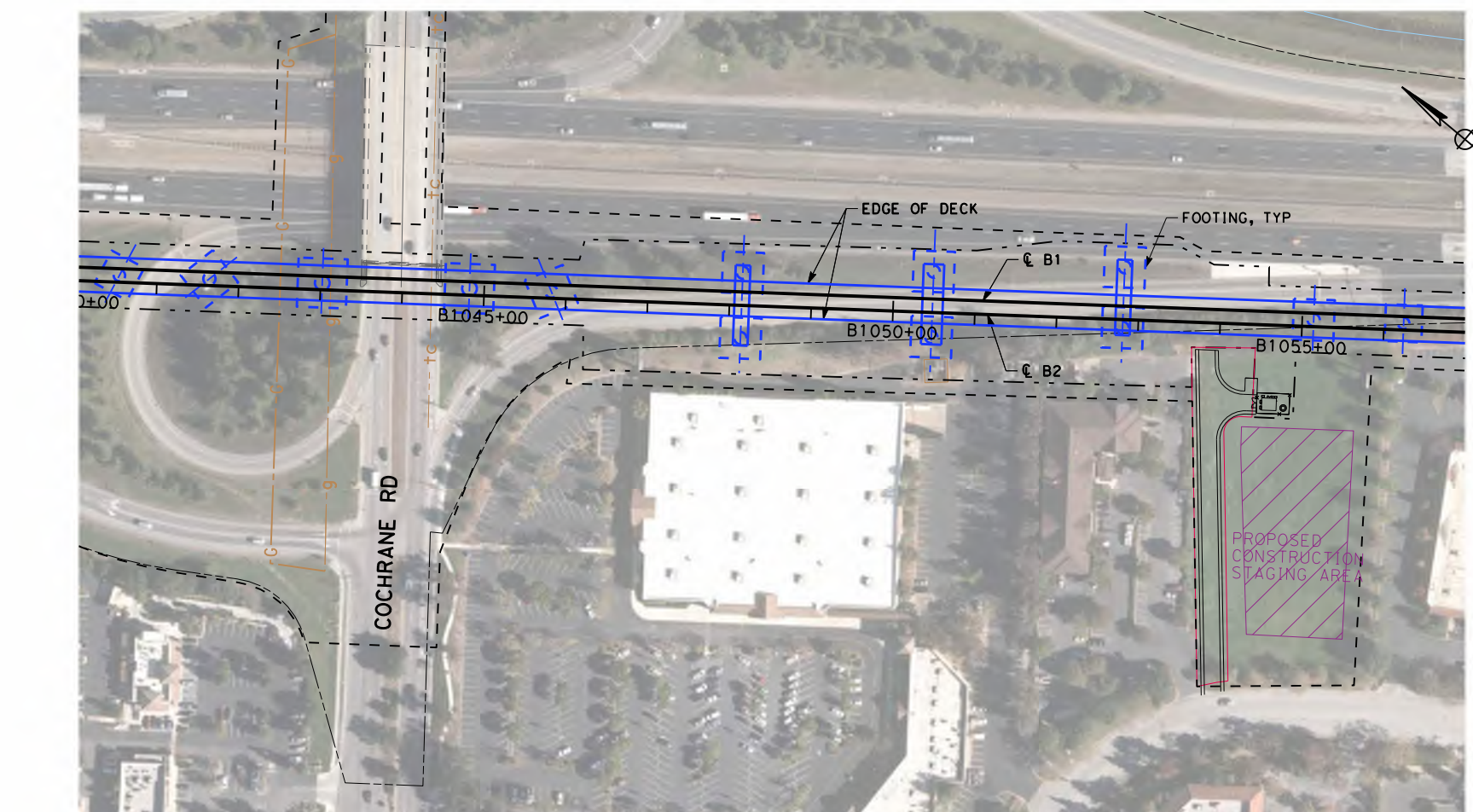
PLAN - SB 101 TO COCHRANE RD OFF-RAMP
SCALE: 1"=200' HOR, 1"=100' VERT



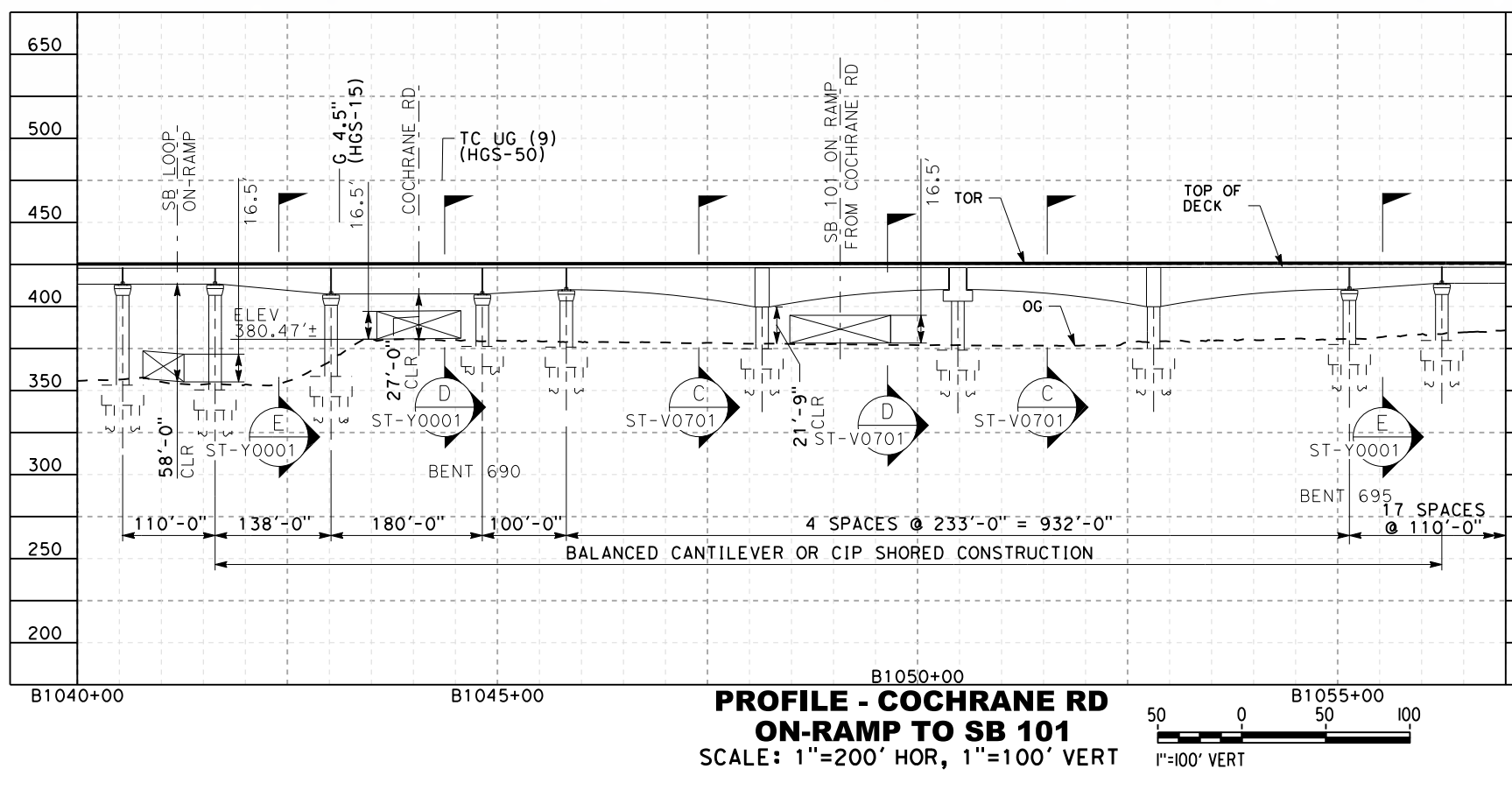
PROFILE - SB 101 TO COCHRANE RD OFF-RAMP
SCALE: 1"=200' HOR, 1"=100' VERT



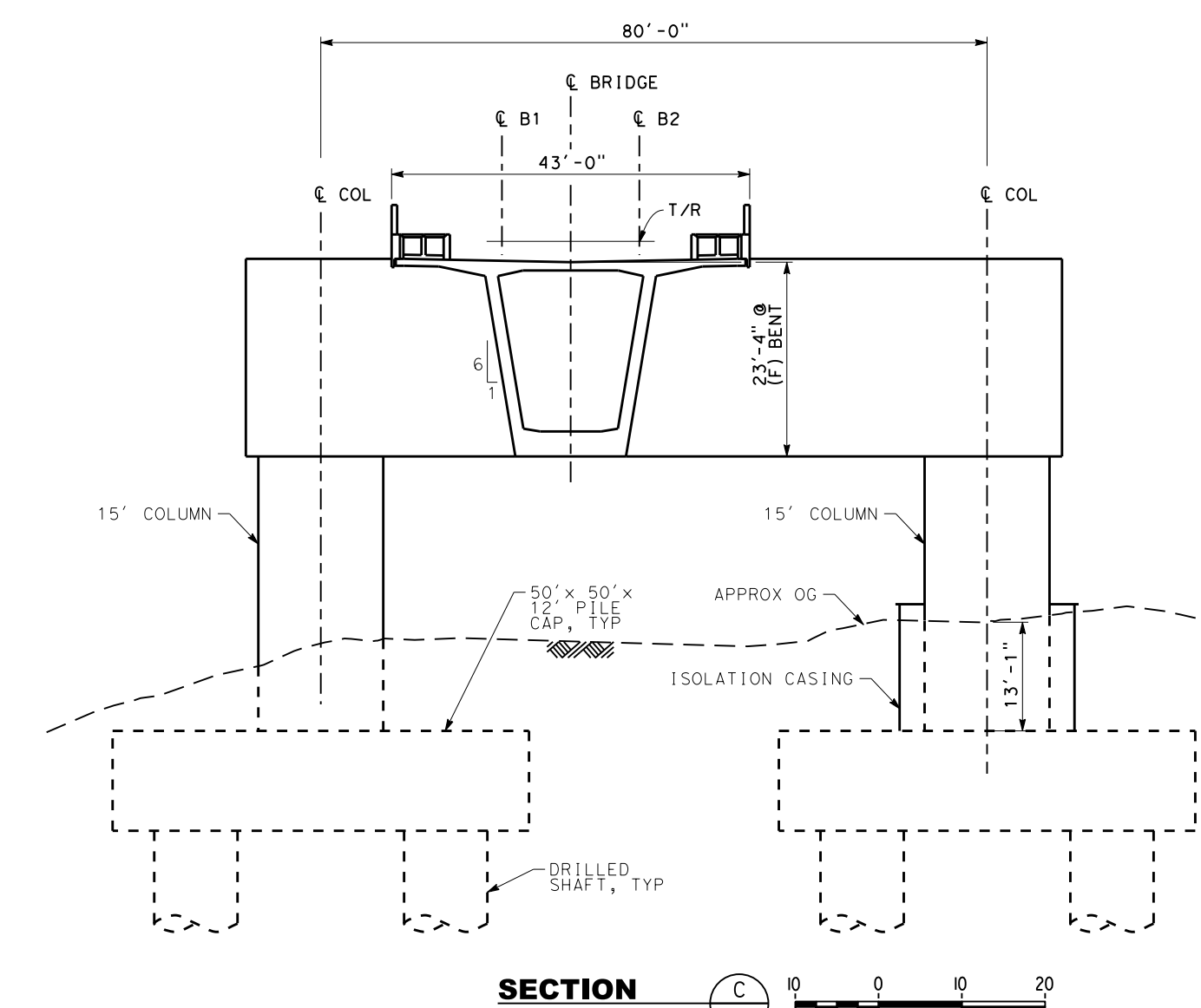
SECTION B
SCALE 1"=20'-0"



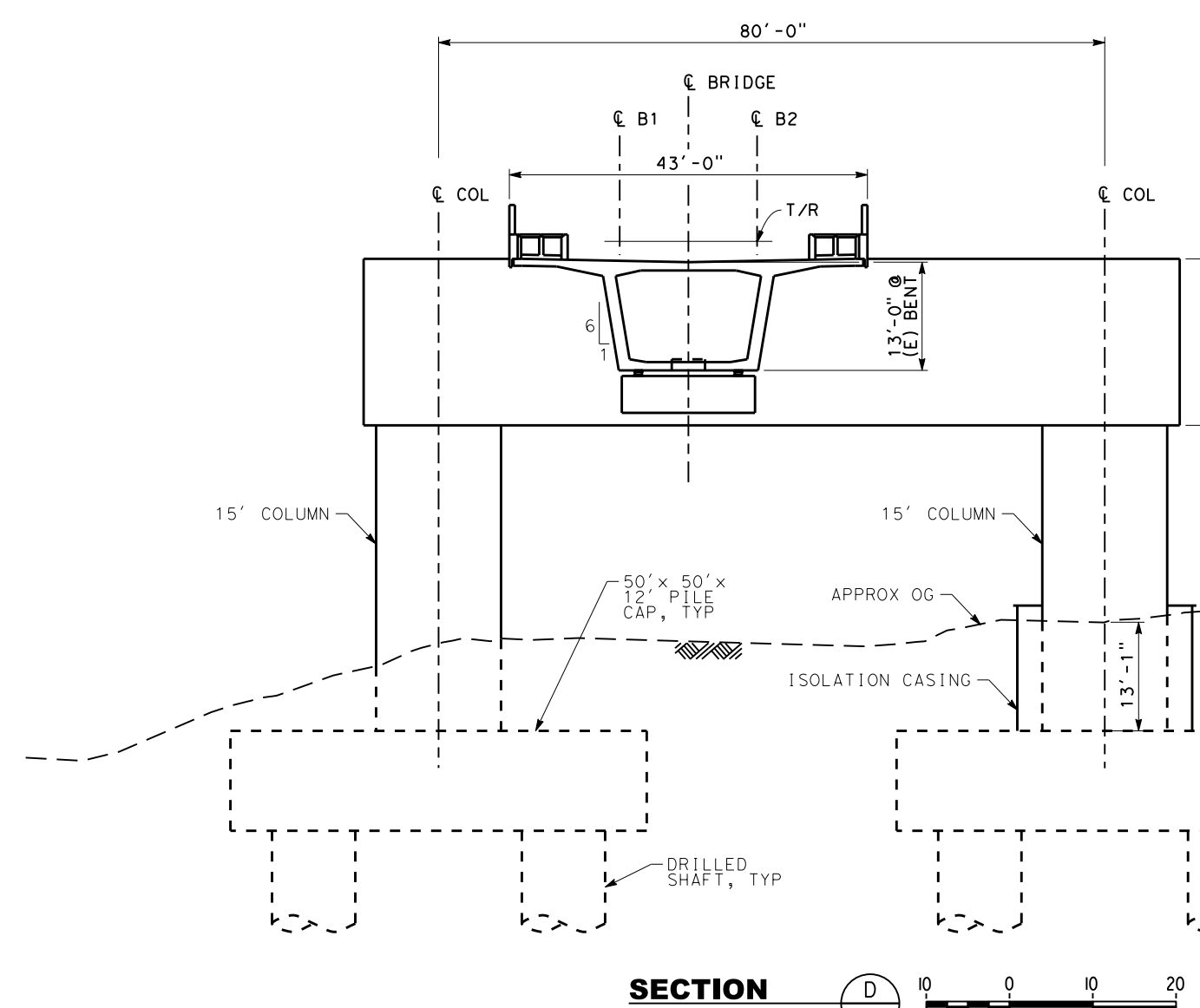
PLAN - COCHRANE RD ON-RAMP TO SB 101
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - COCHRANE RD ON-RAMP TO SB 101
SCALE: 1"=200' HOR, 1"=100' VERT



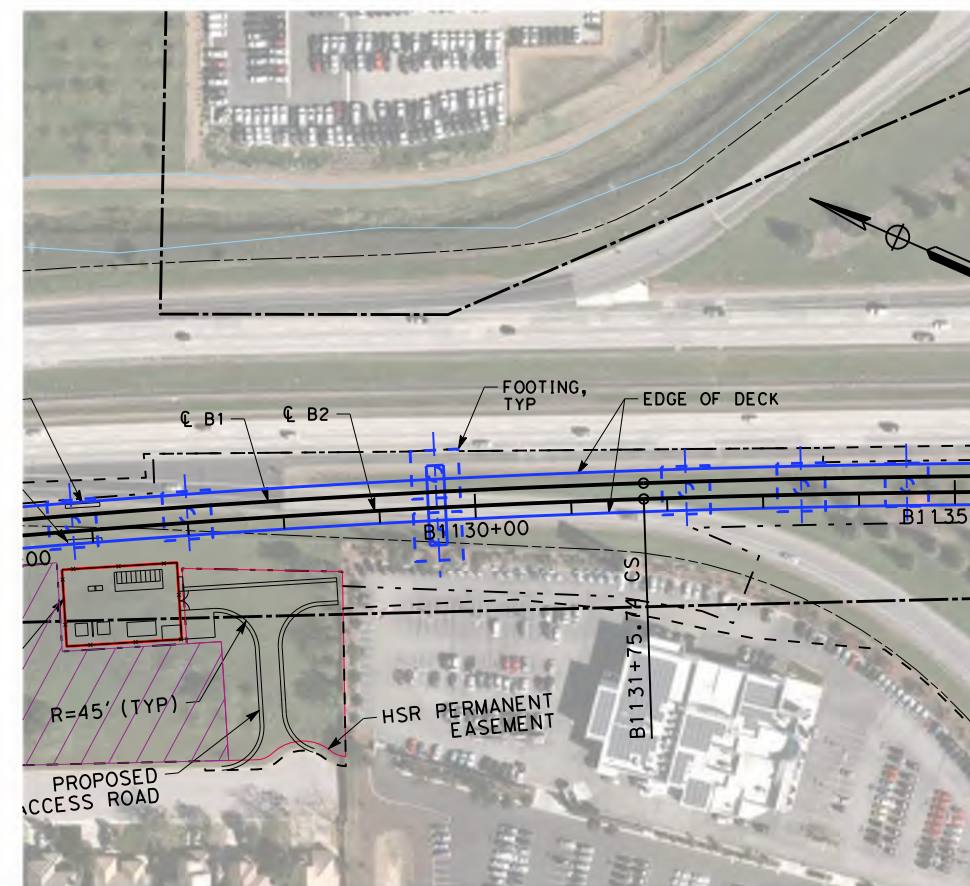
SECTION C
SCALE 1"=20'-0"



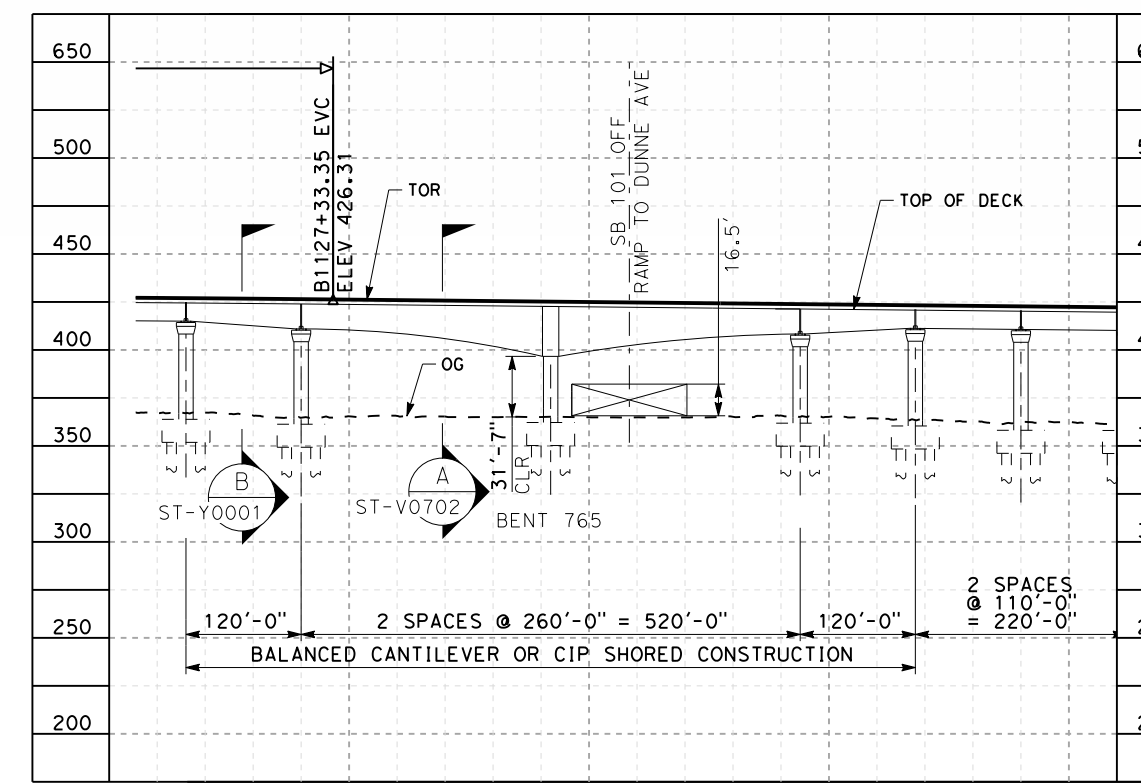
SECTION D
SCALE 1"=20'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 102 OF 218

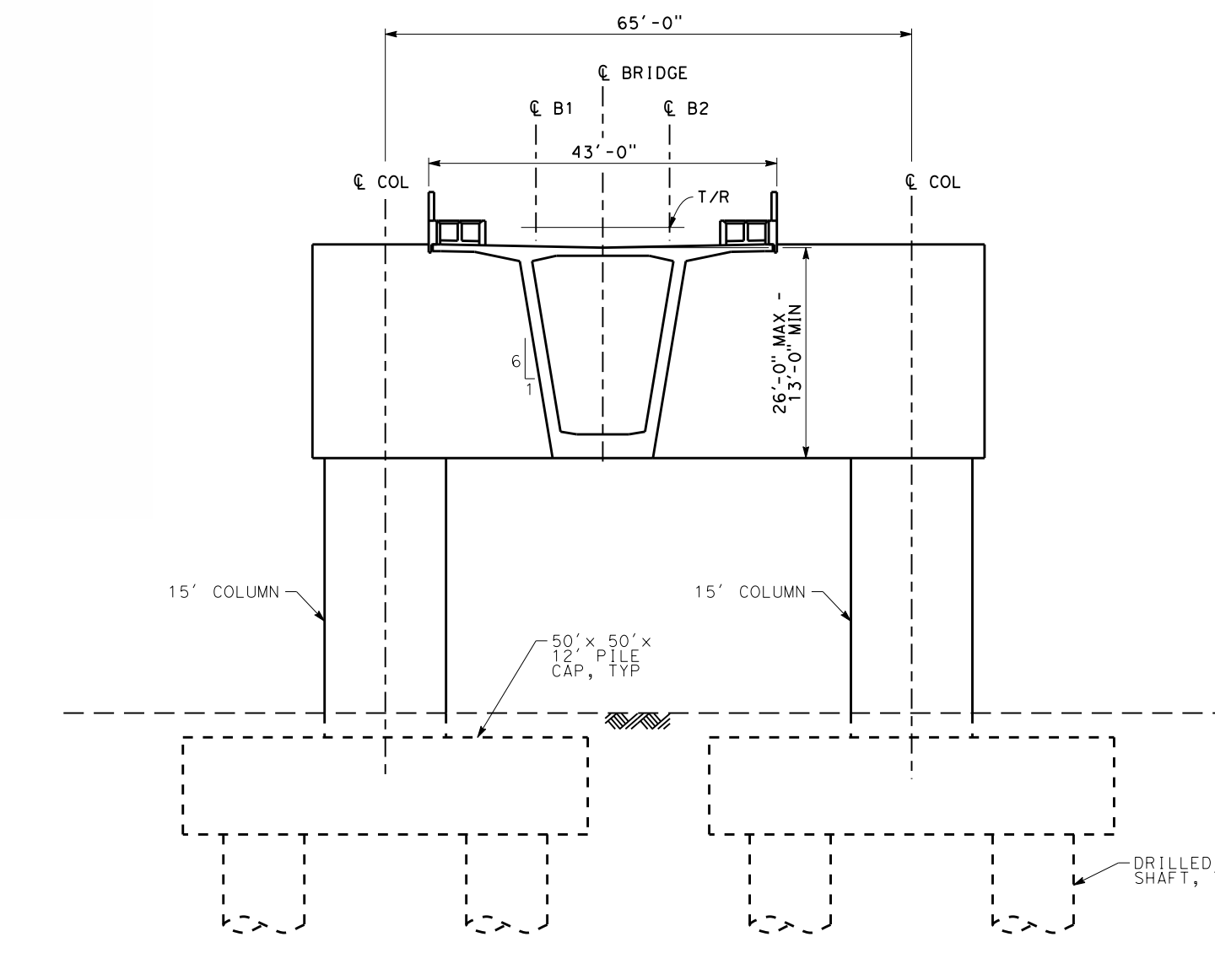
2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE AND GILROY VIADUCT TO DOWNTOWN GILROY COMPLEX STRUCTURES GENERAL PLAN 1 OF 2	CONTRACT NO. HSR15-34 DRAWING NO. ST-V0701 SCALE AS SHOWN SHEET NO.
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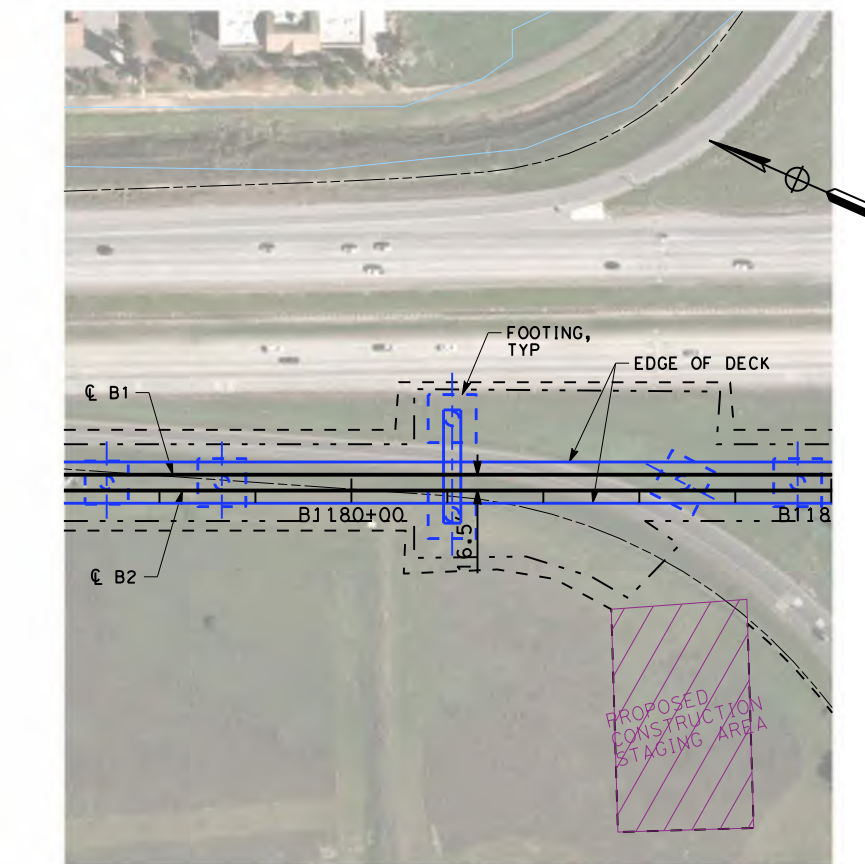
PLAN - SB 101 OFF-RAMP TO EAST DUNNE AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



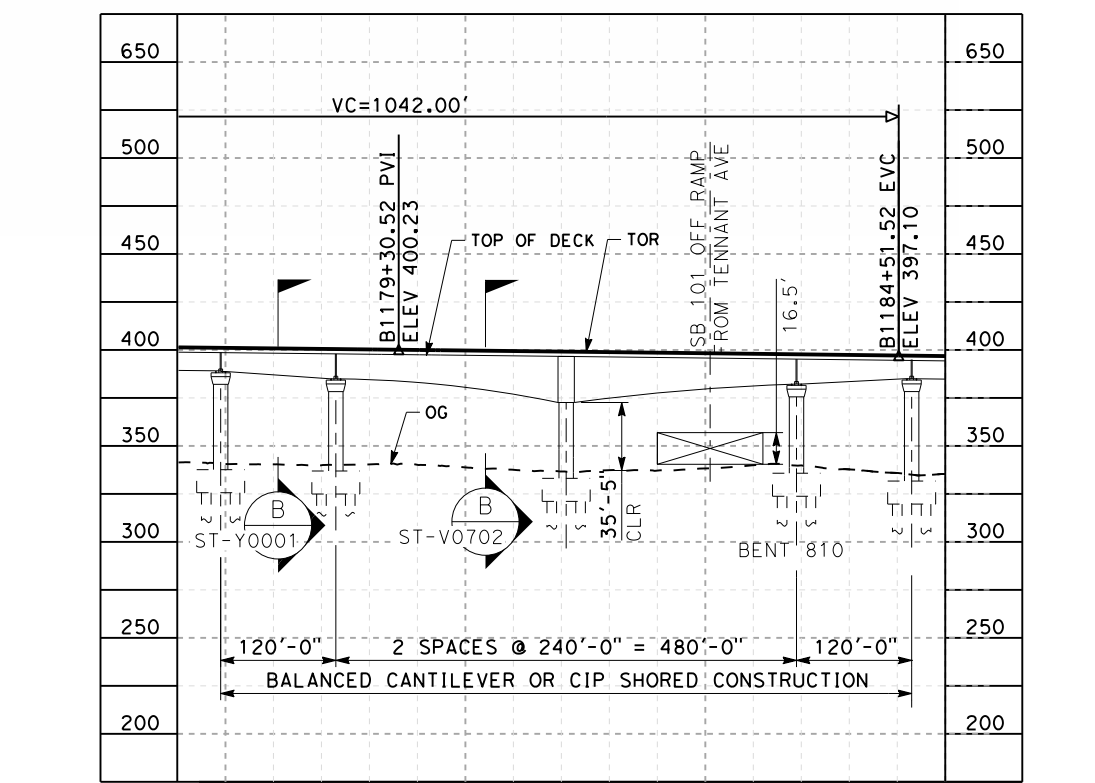
PROFILE - SB 101 OFF-RAMP TO EAST DUNNE AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



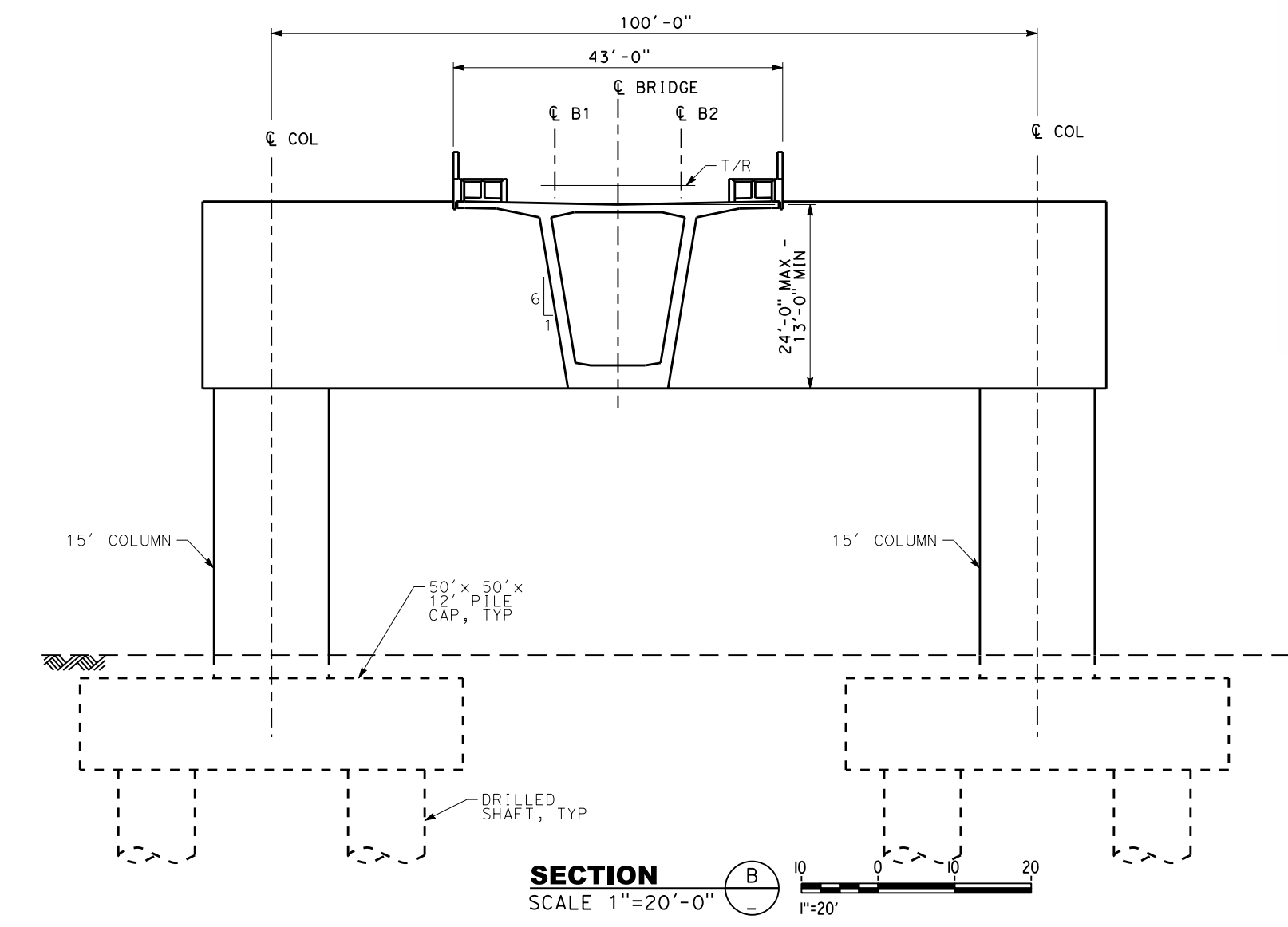
SECTION
SCALE 1"=20'-0"



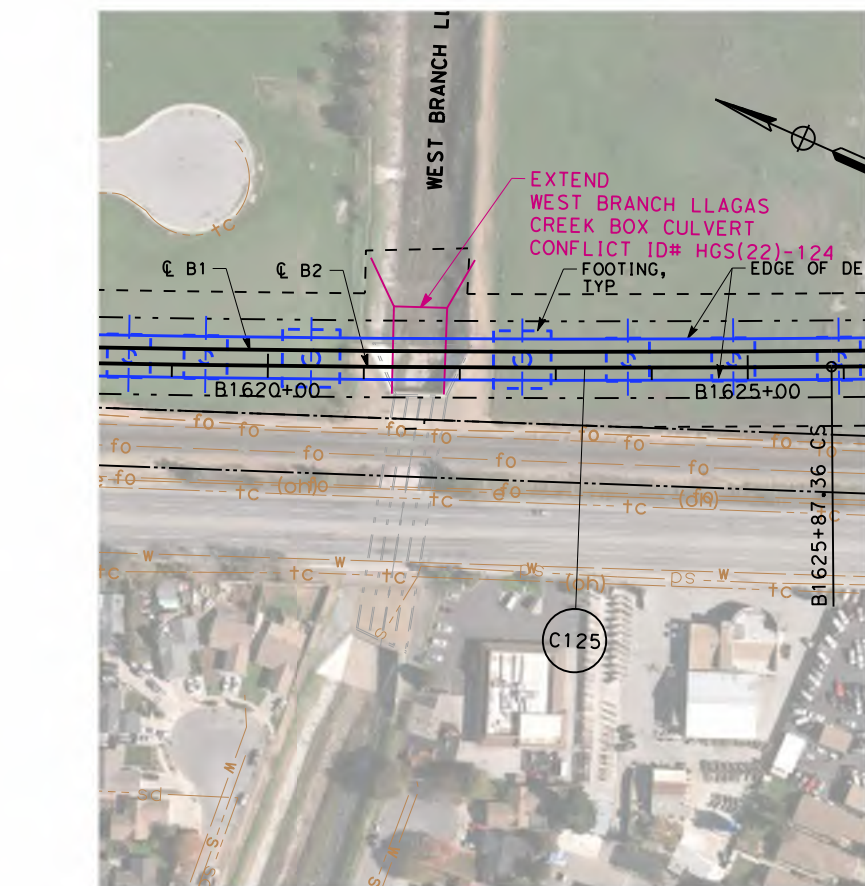
PLAN - SB 101 OFF-RAMP TO TENNANT AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



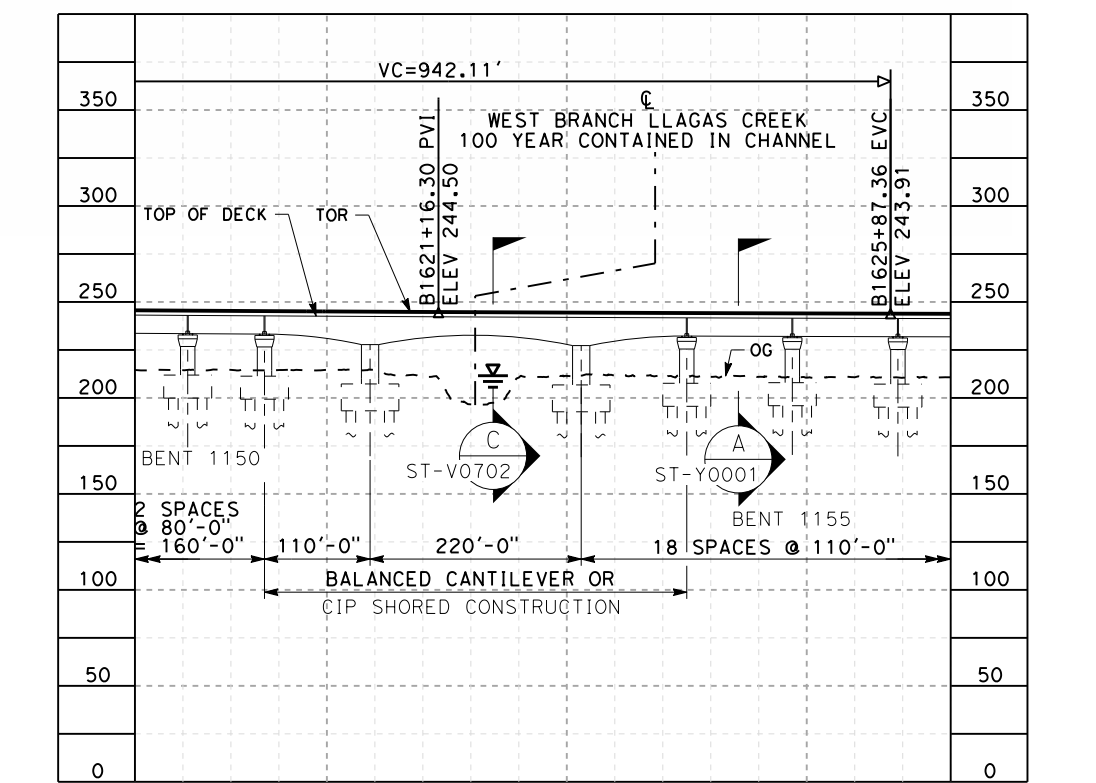
PROFILE - SB 101 OFF-RAMP TO TENNANT AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



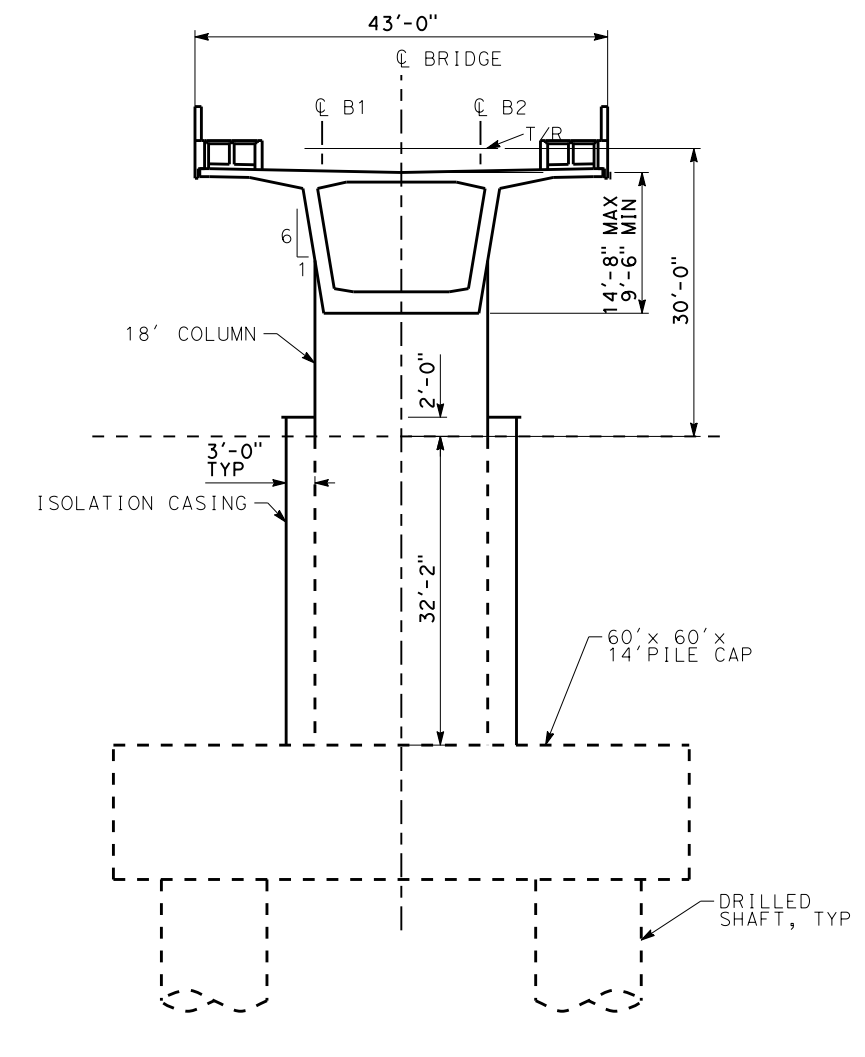
SECTION
SCALE 1"=20'-0"



PLAN - LLAGAS CREEK
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - LLAGAS CREEK
SCALE: 1"=200' HOR, 1"=100' VERT



SECTION
SCALE 1"=20'-0"

2021 RECORD SET PERD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

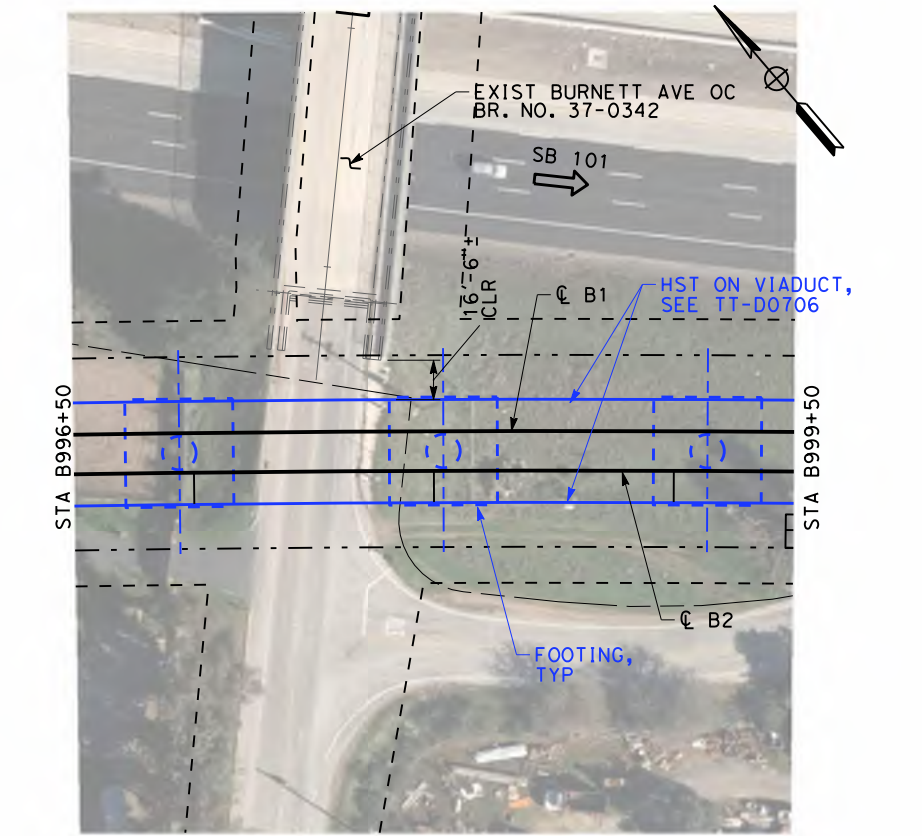
HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

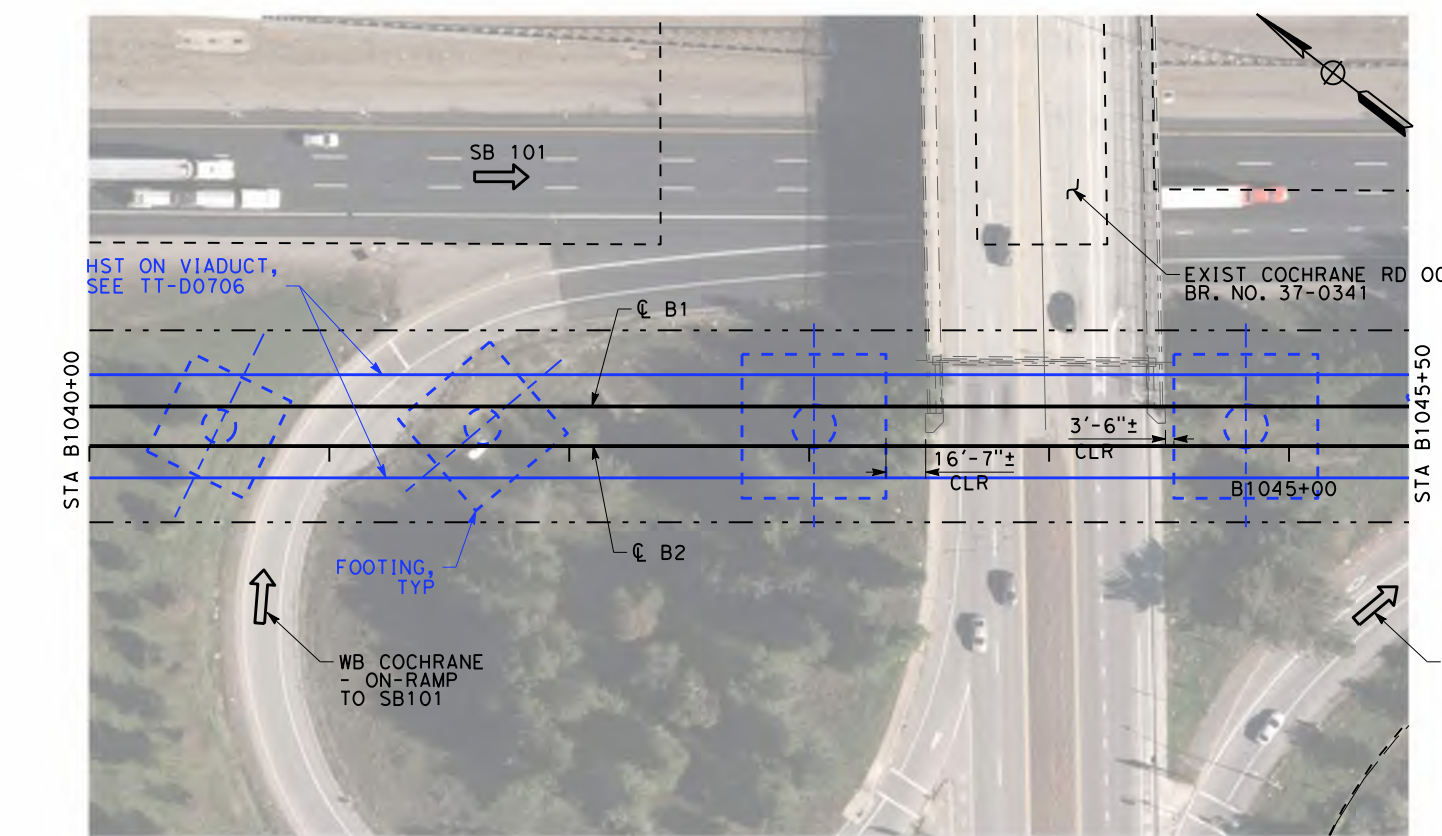
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY
COMPLEX STRUCTURES
GENERAL PLAN 2 OF 2

CONTRACT NO. HSR15-34
DRAWING NO. ST-V0702
SCALE AS SHOWN
SHEET NO.

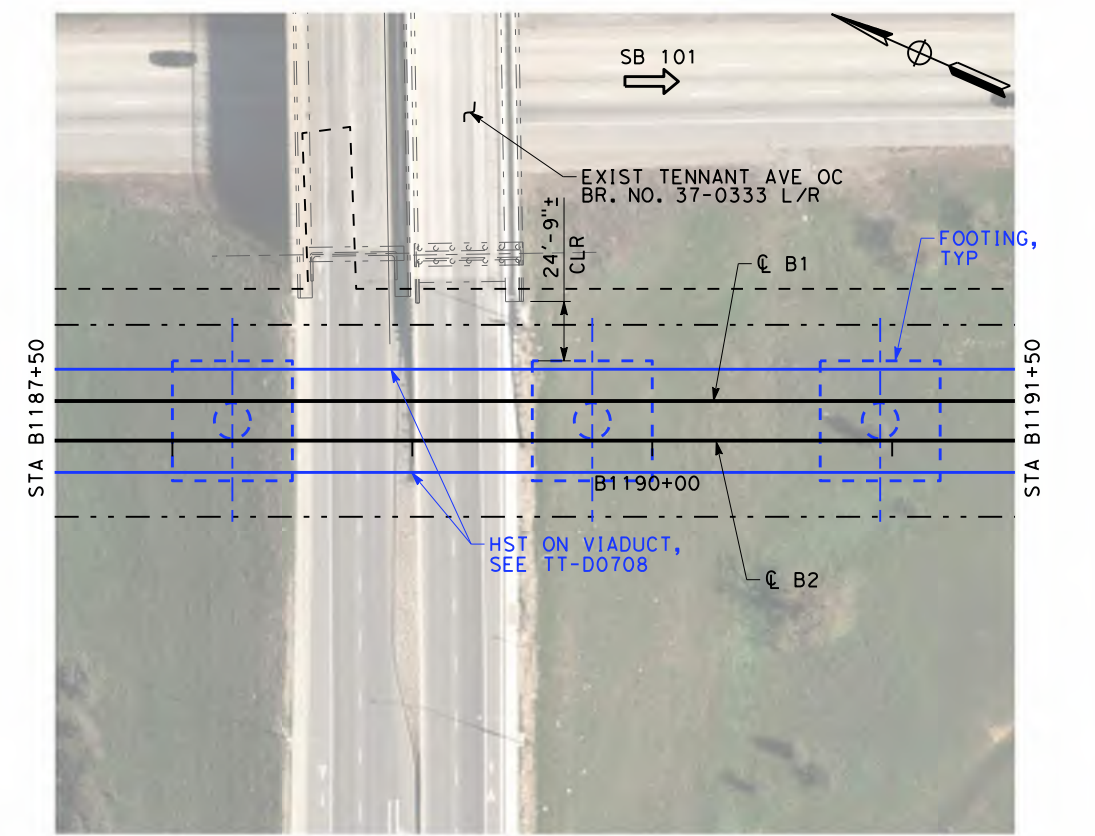
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 103 OF 218



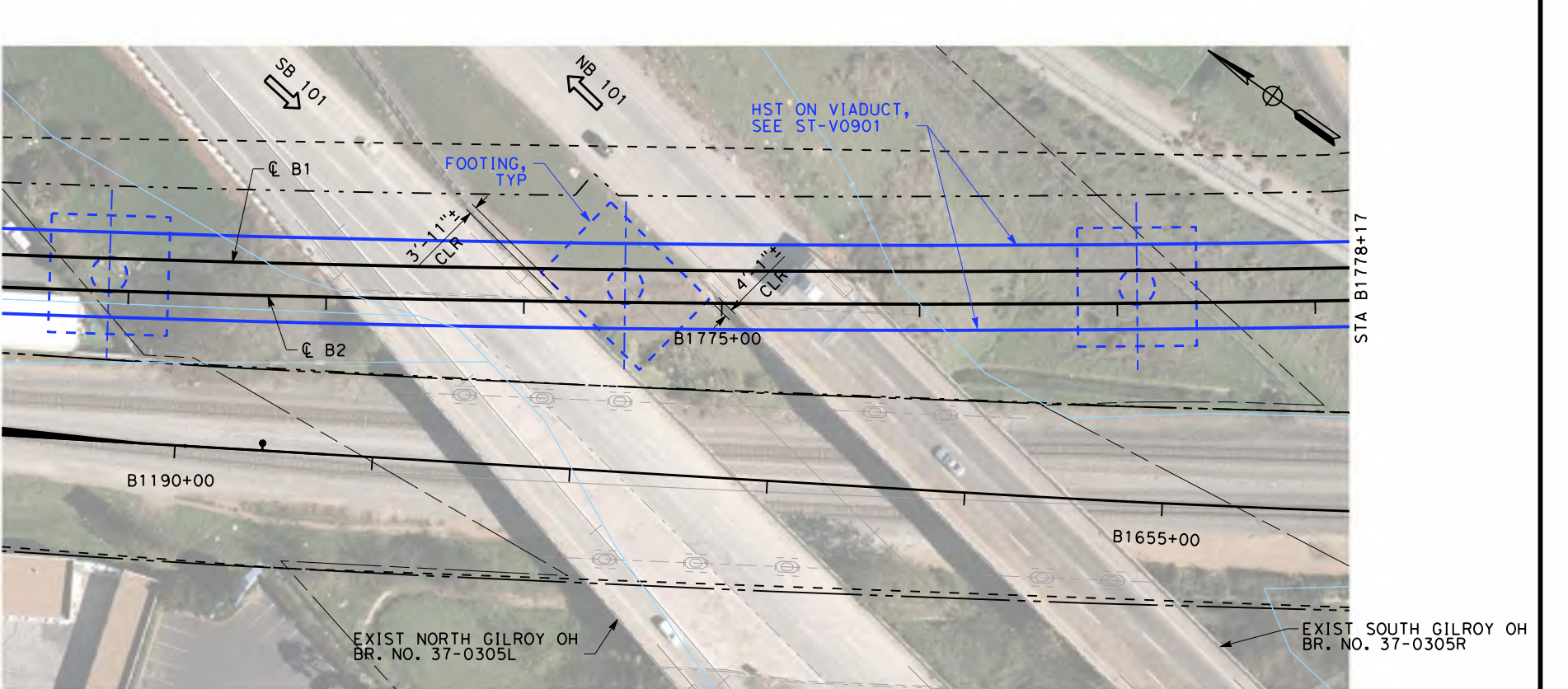
PLAN - BURNETT AVENUE OC
SCALE: 1"=80'



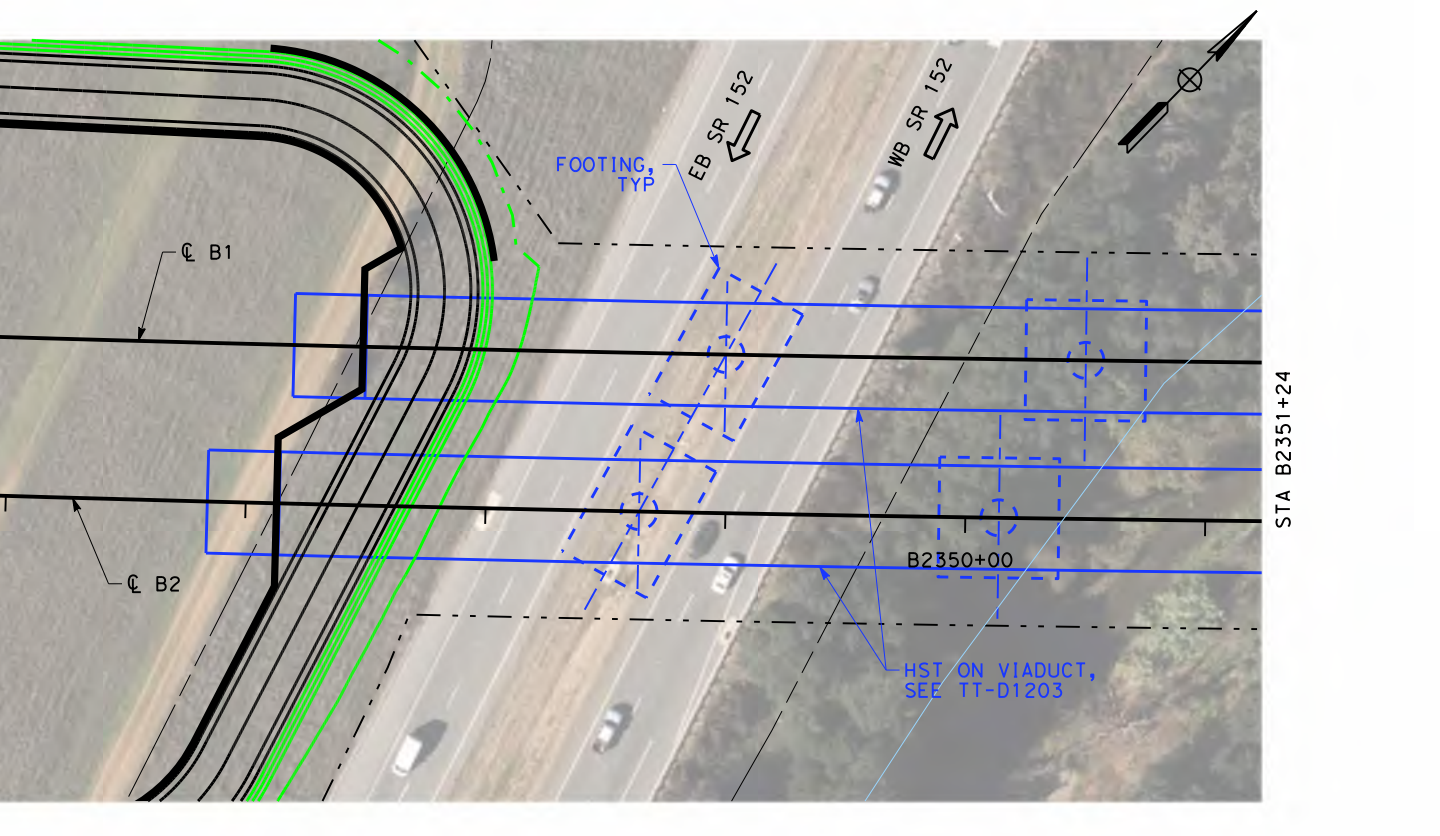
PLAN - COCHRANE ROAD OC
SCALE: 1"=80'



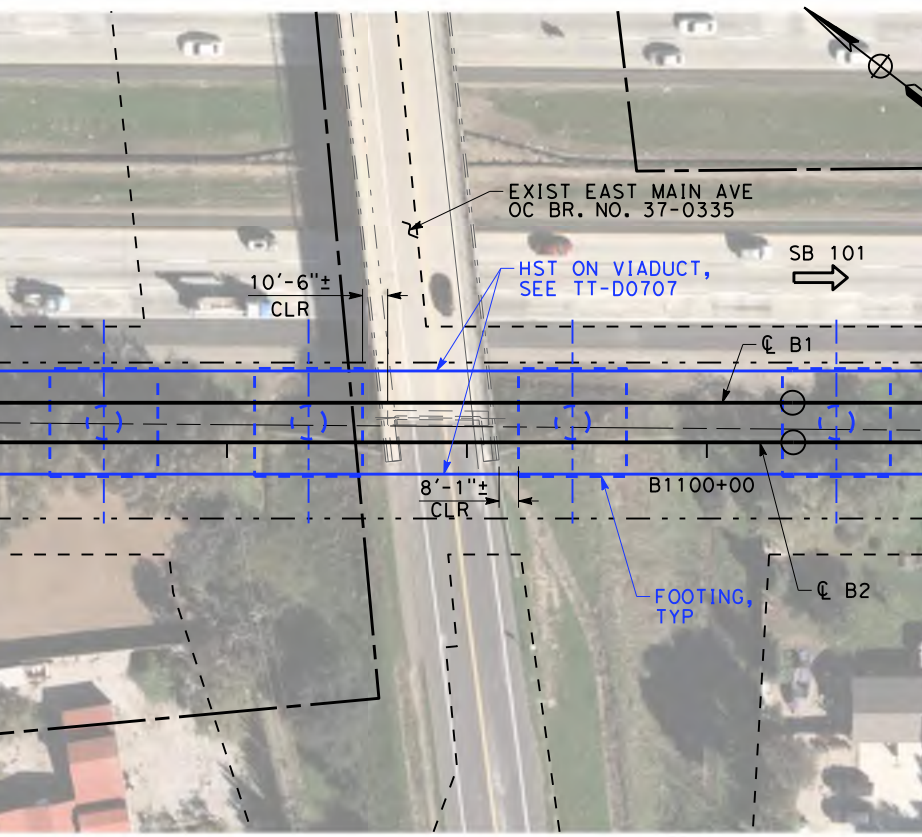
PLAN - TENNANT AVENUE OC
SCALE: 1"=80'



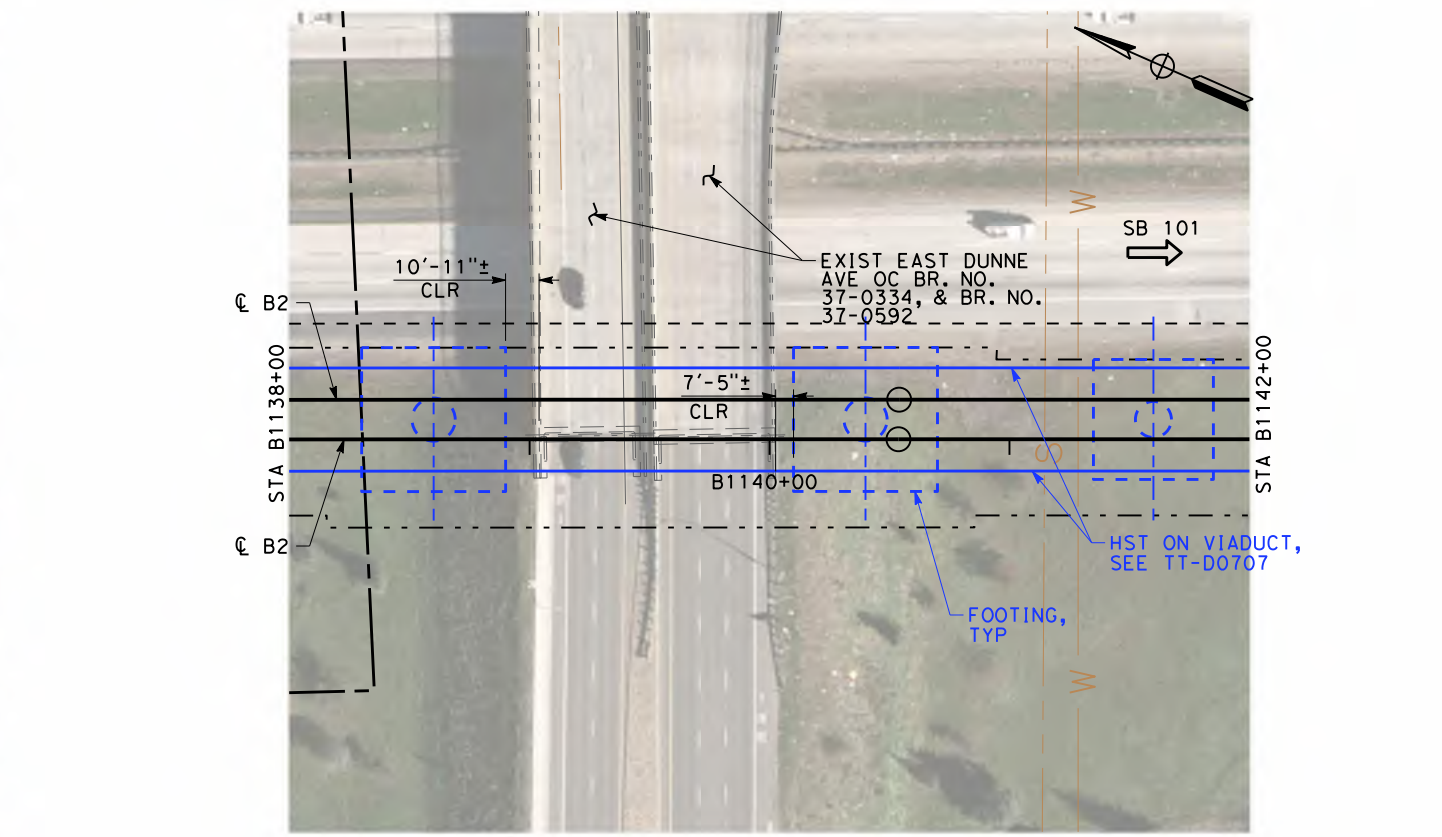
PLAN - US 101
SCALE: 1"=80'



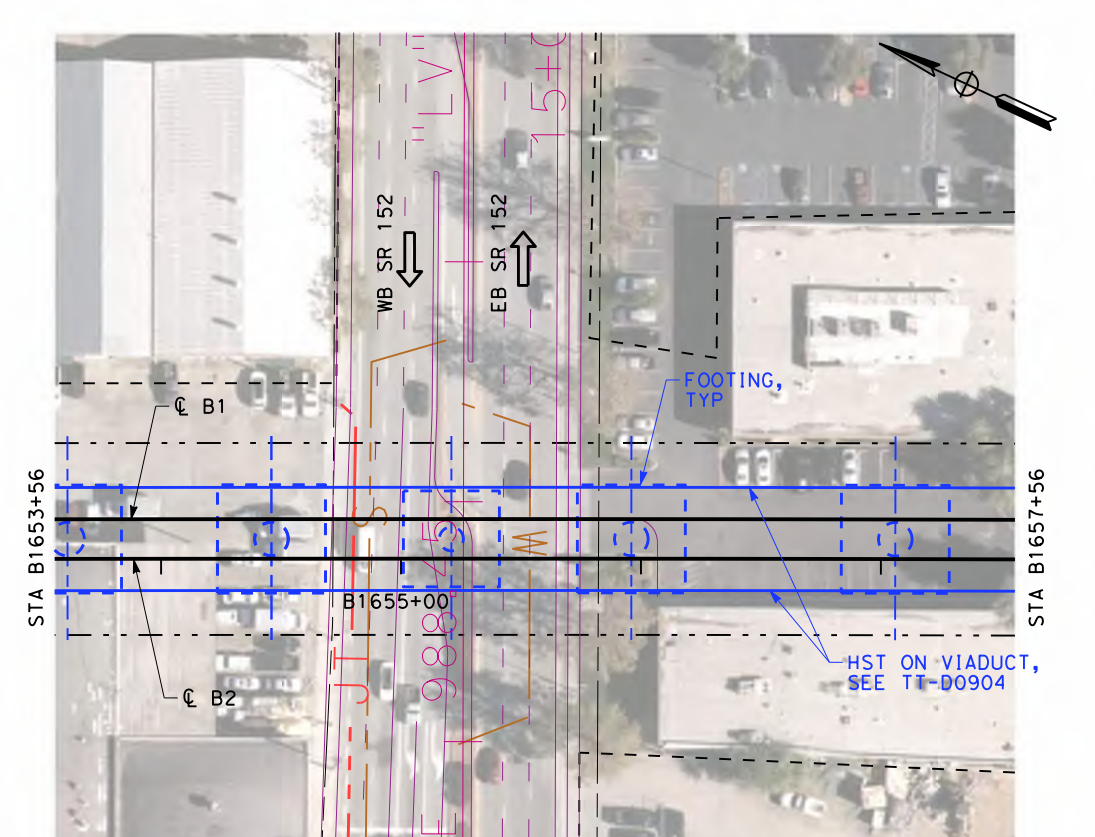
PLAN - PACHECO PASS ROAD (SR-152)/CASA DE FRUTA
SCALE: 1"=80'



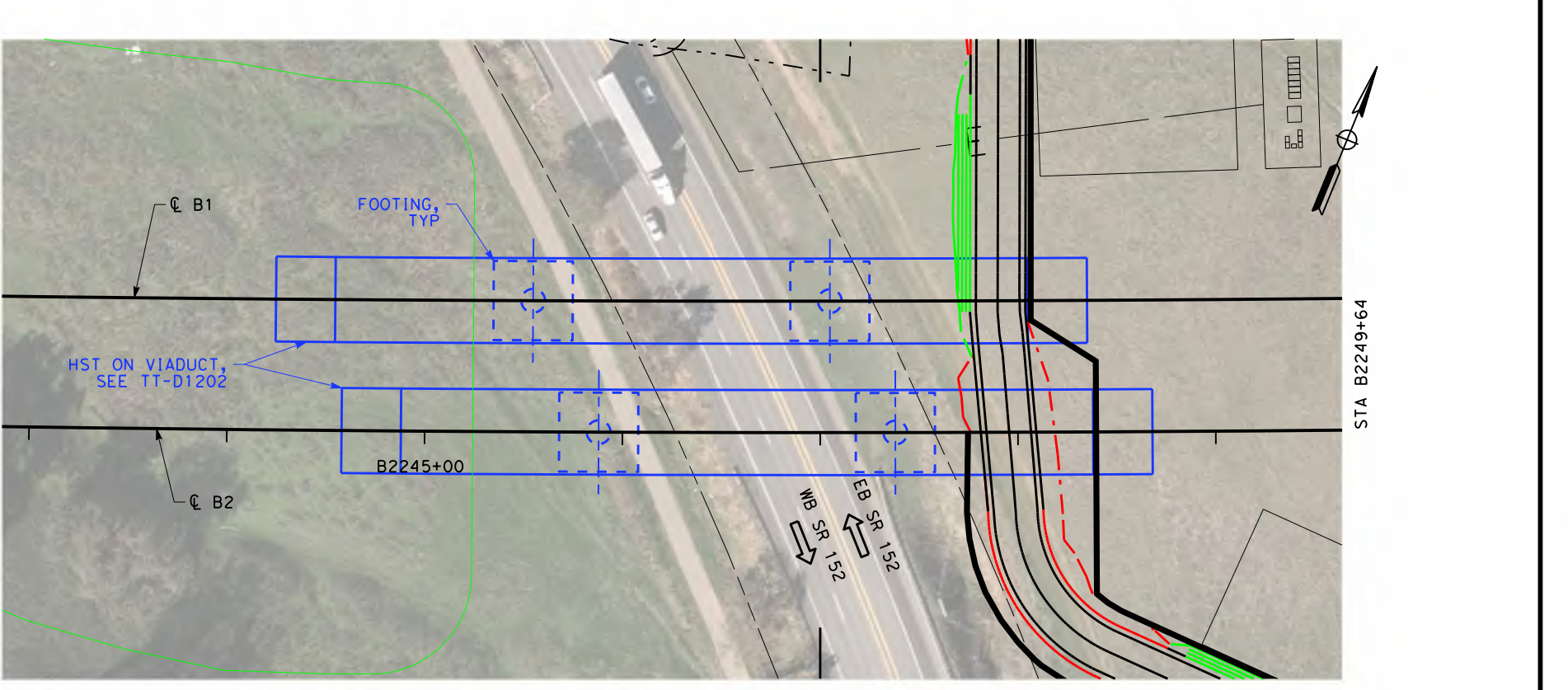
PLAN - EAST MAIN AVENUE OC
SCALE: 1"=80'



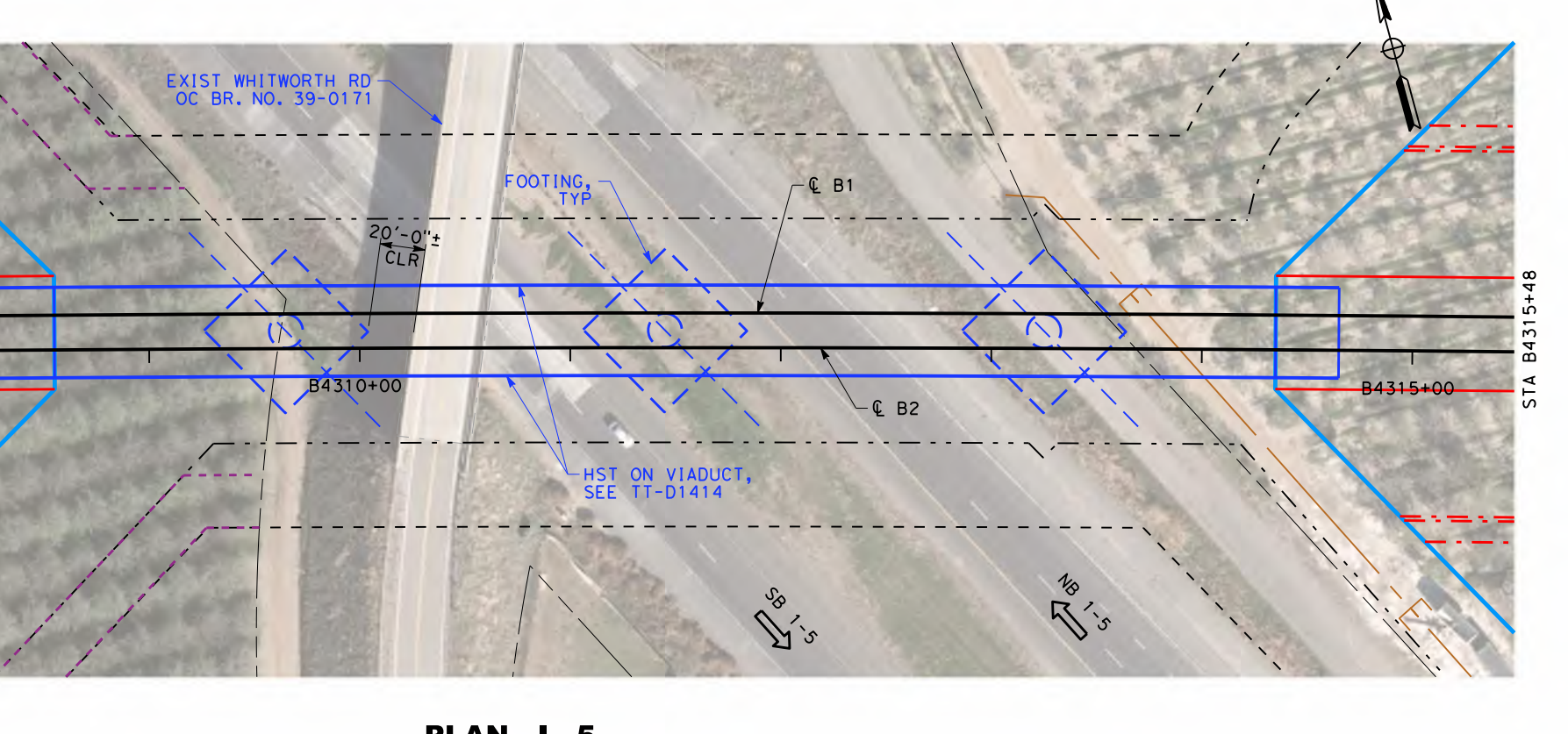
PLAN - EAST DUNNE AVENUE OC
SCALE: 1"=80'



PLAN - LEAVESLEY ROAD (SR 152)
SCALE: 1"=80'



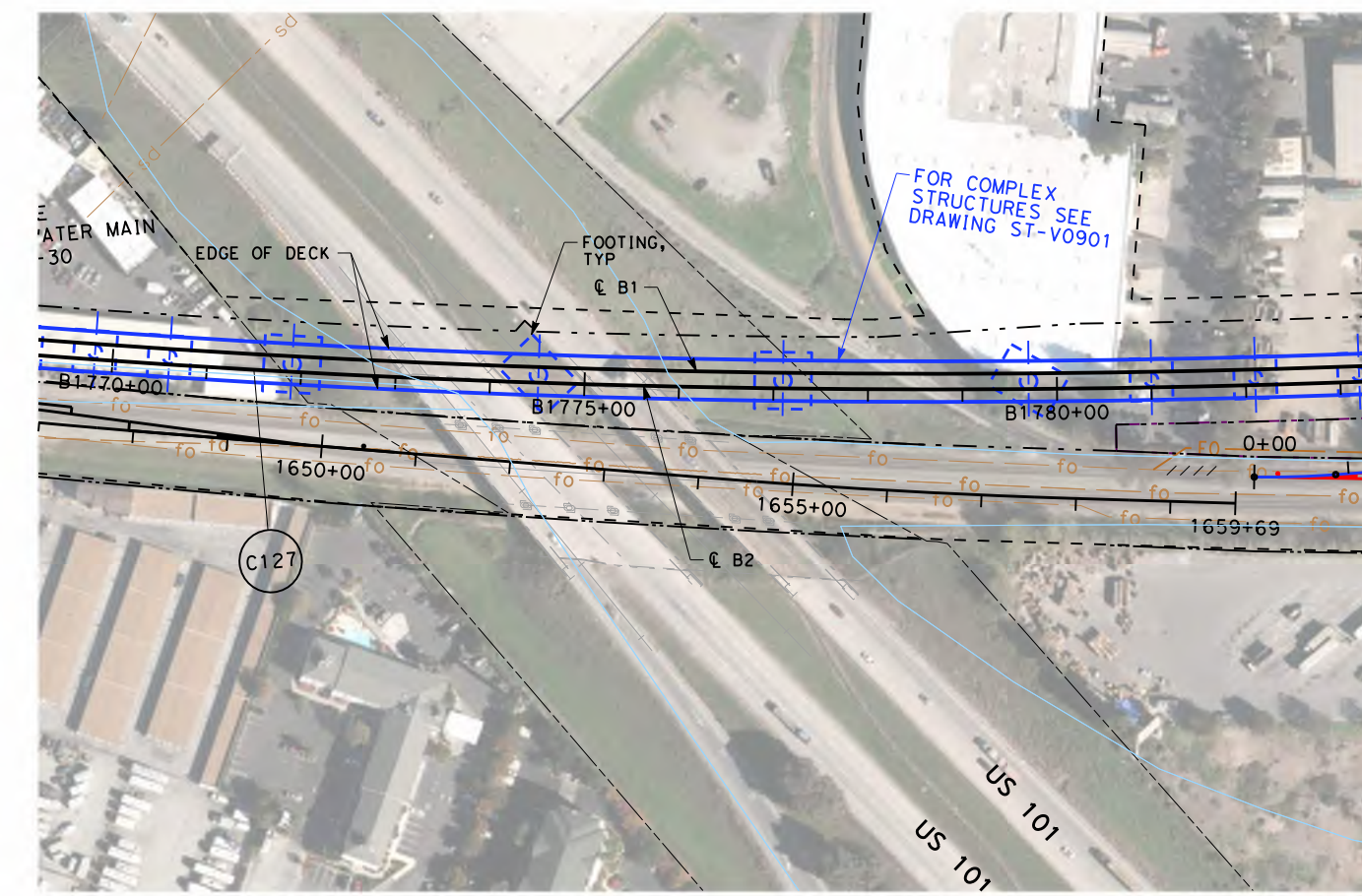
PLAN - PACHECO PASS ROAD (SR 152)/SAN FELIPE
SCALE: 1"=80'



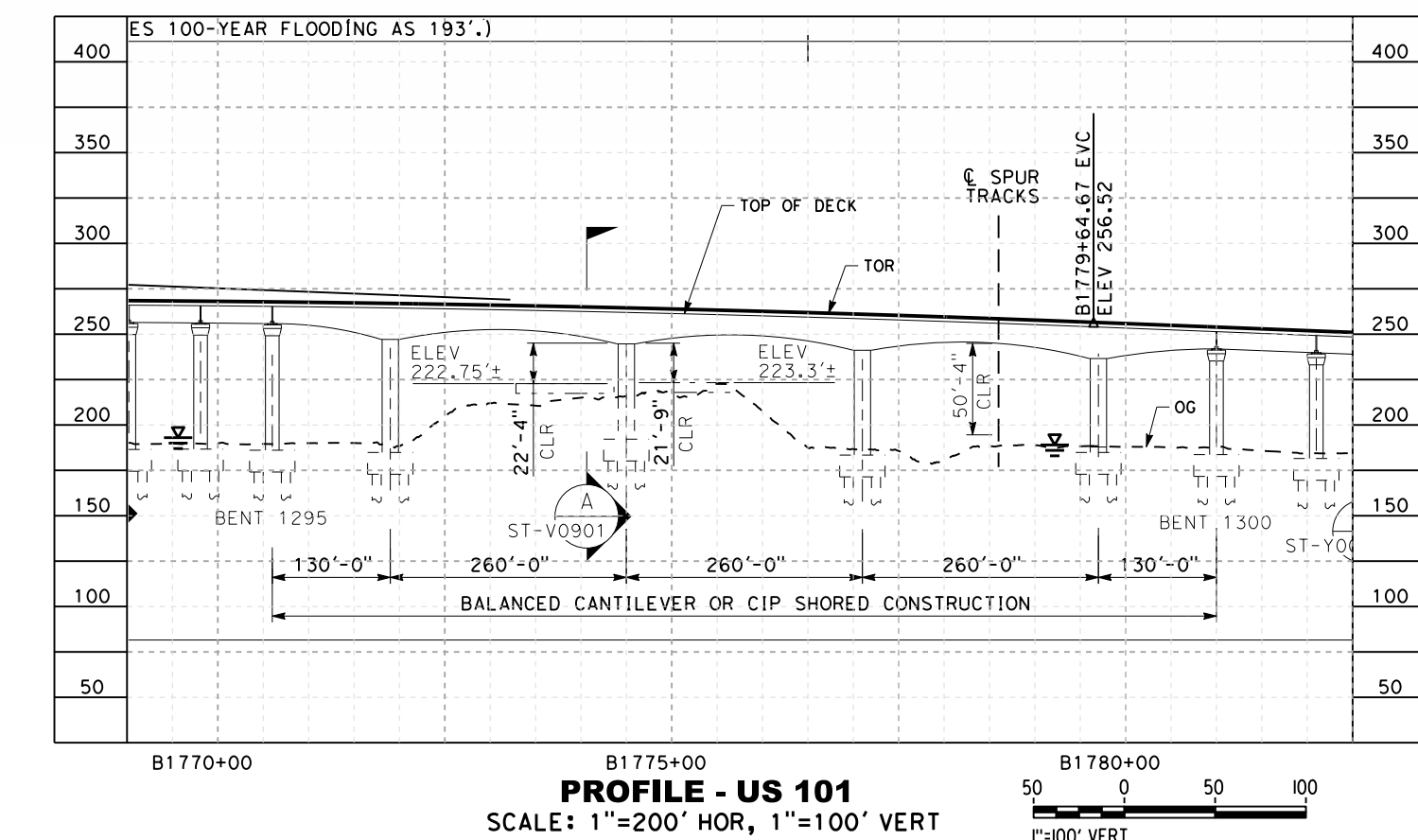
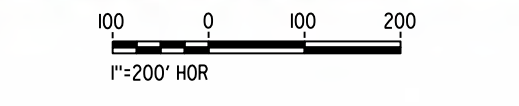
PLAN - I-5
SCALE: 1"=80'

2021 RECORD SET PERD NOVEMBER 30, 2021 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 CALTRANS STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-10701 SCALE AS SHOWN SHEET NO.
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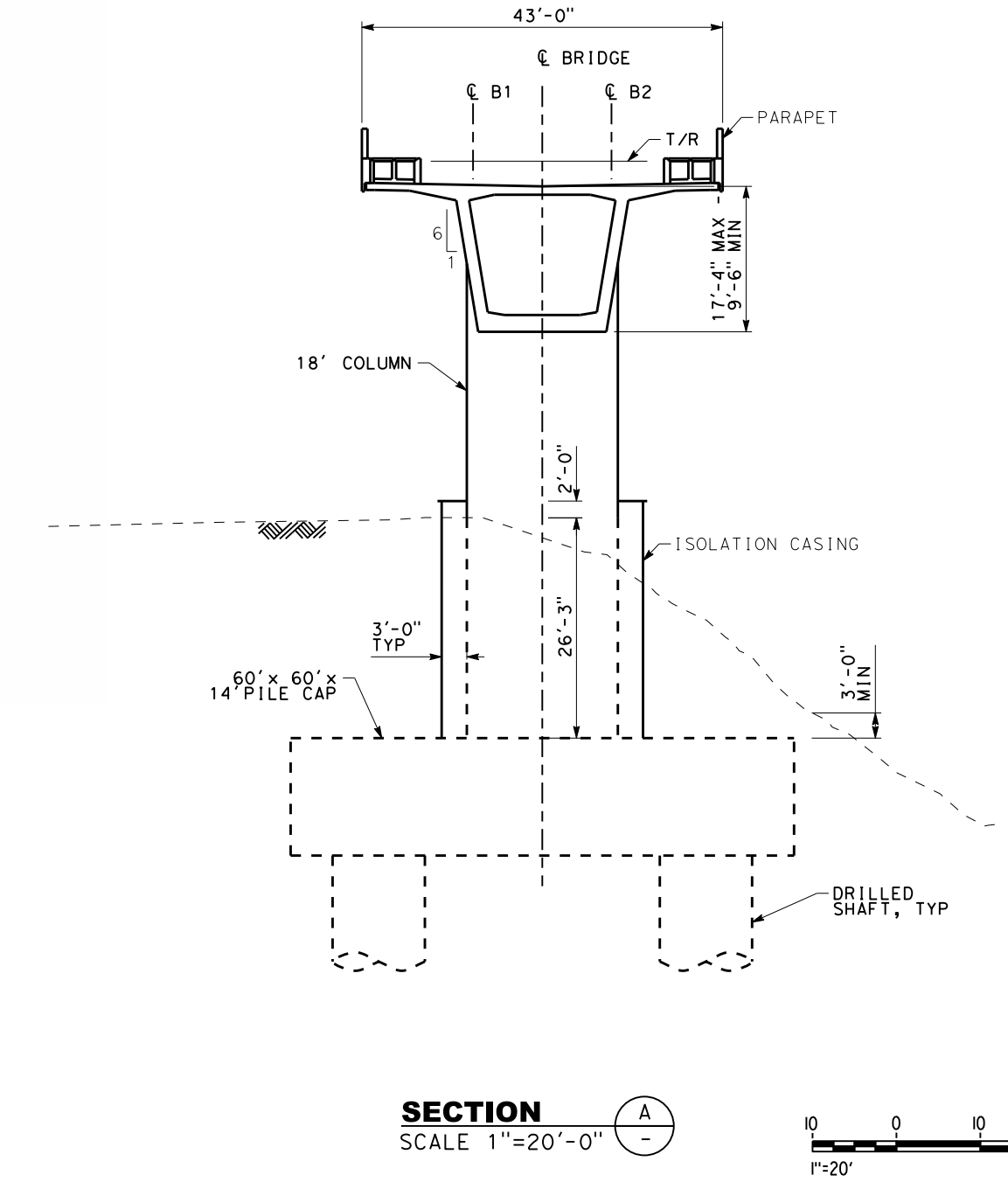
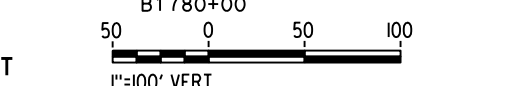
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 104 OF 218



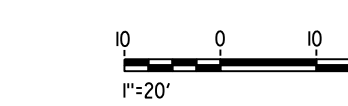
PLAN - US 101
SCALE: 1"=200'



PROFILE - US 101
SCALE: 1"=200' HOR, 1"=100' VERT

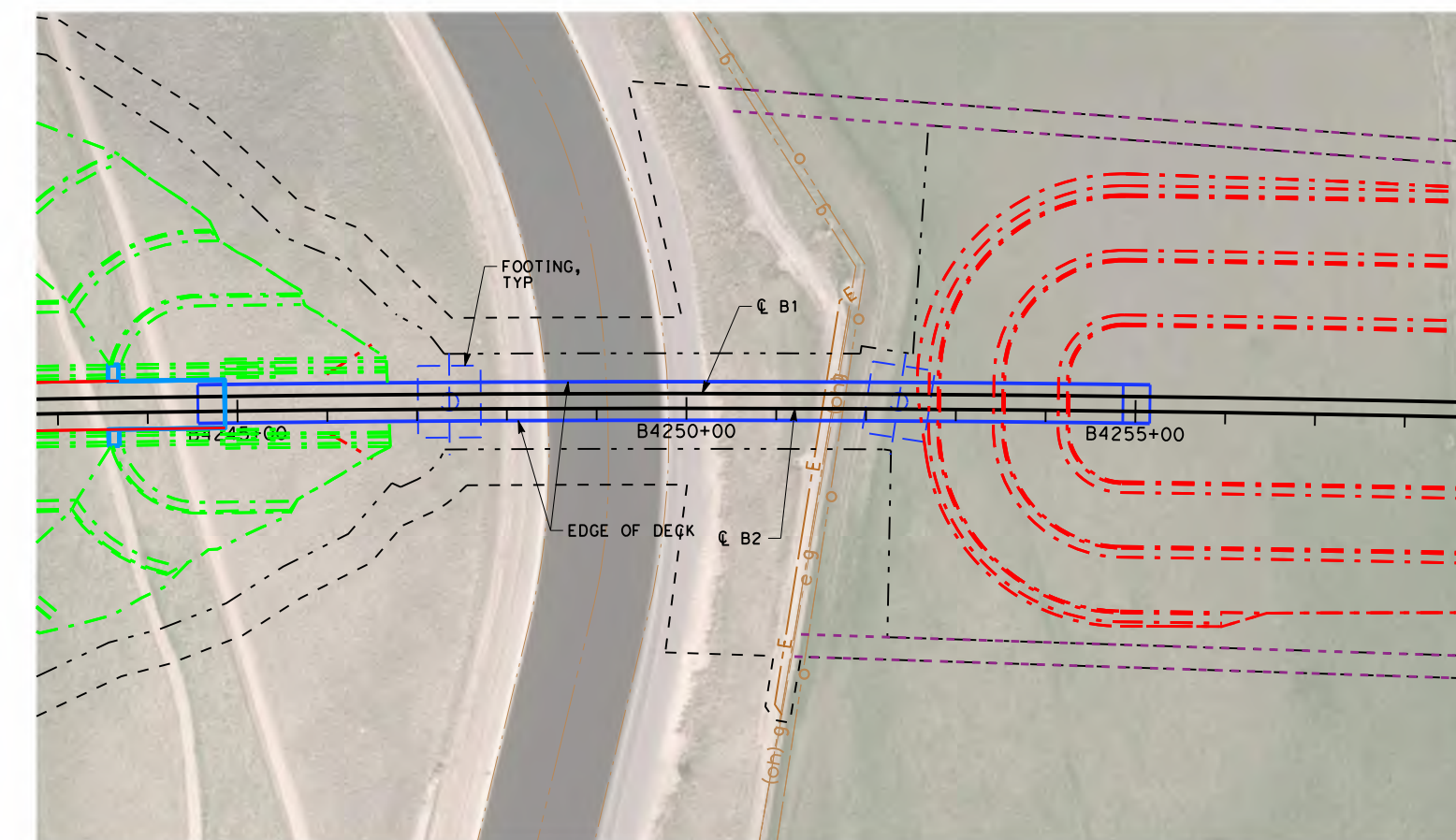


SECTION A-A
SCALE 1"=20'-0"

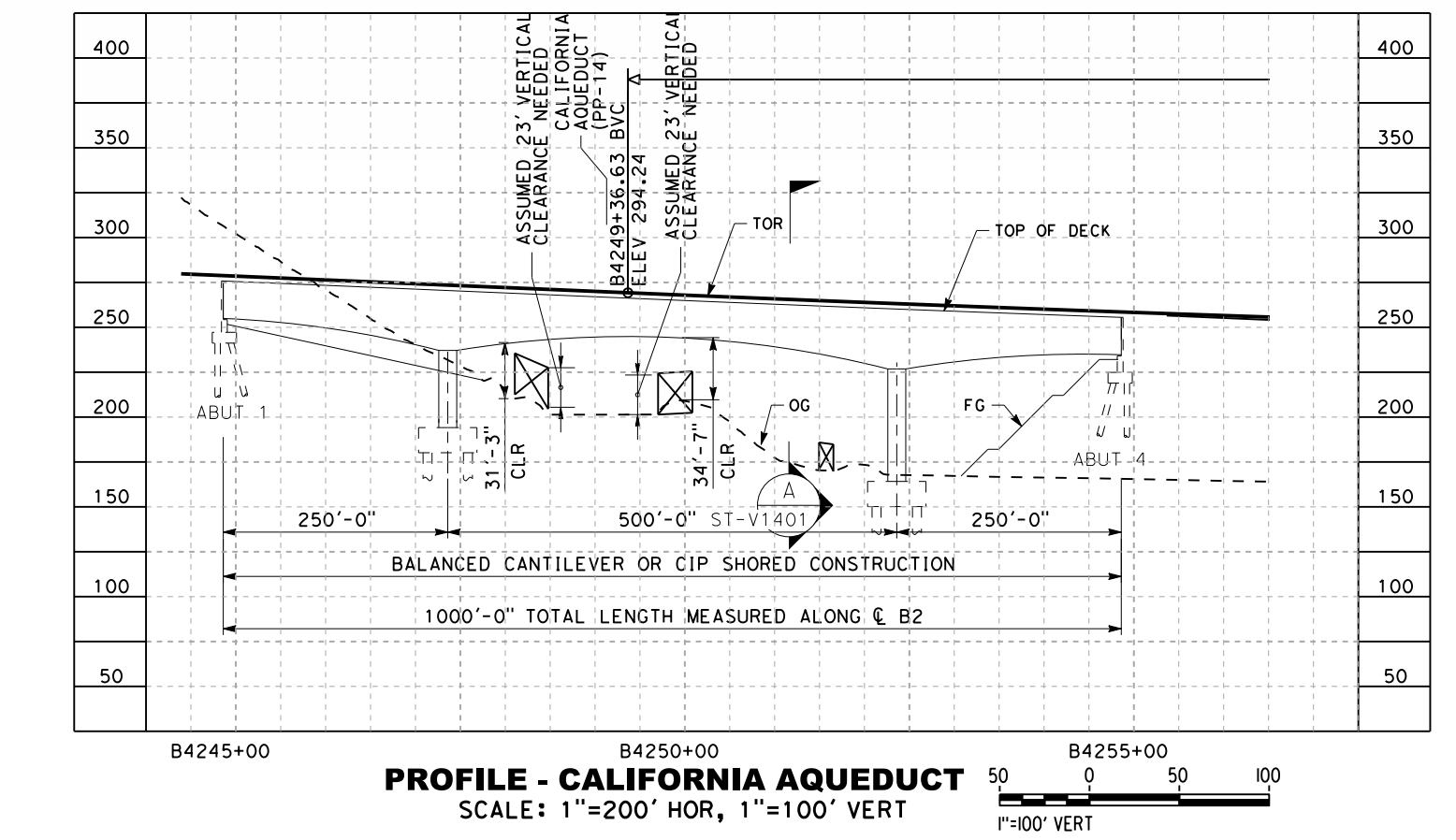


2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT TO DOWNTOWN GILROY COMPLEX STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-V0901 SCALE AS SHOWN SHEET NO.
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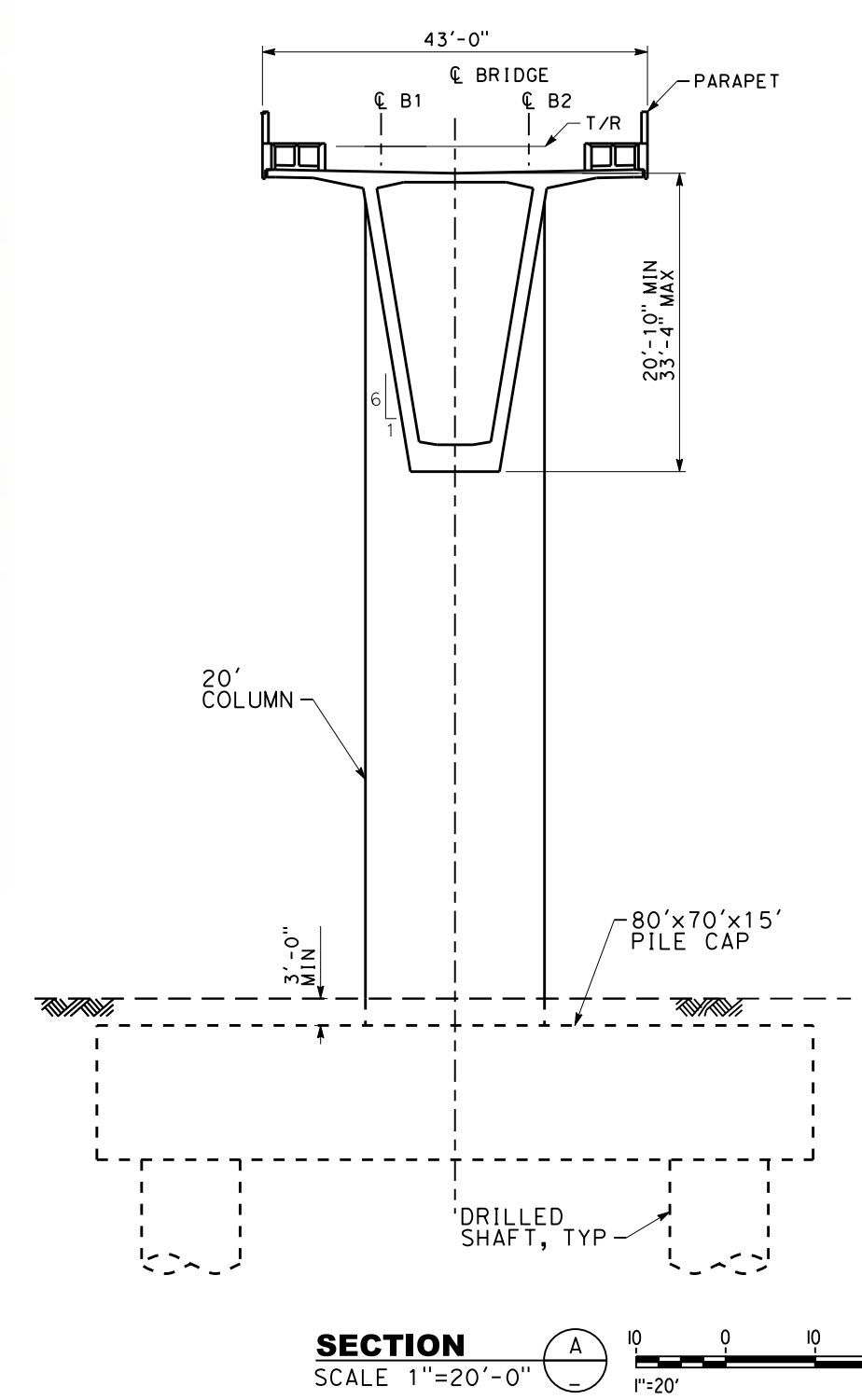
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 105 OF 218



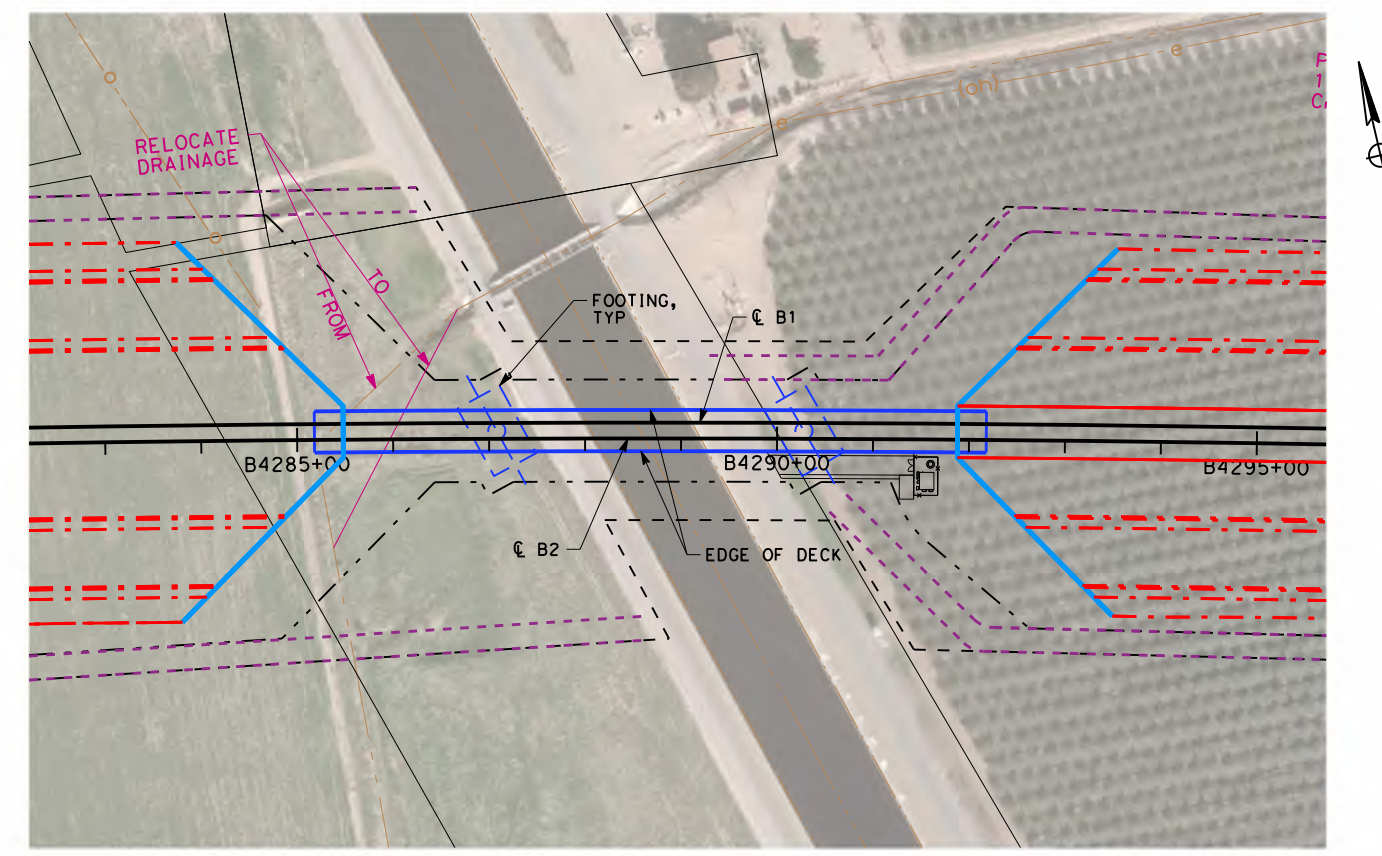
PLAN - CALIFORNIA AQUEDUCT
SCALE: 1"=200'



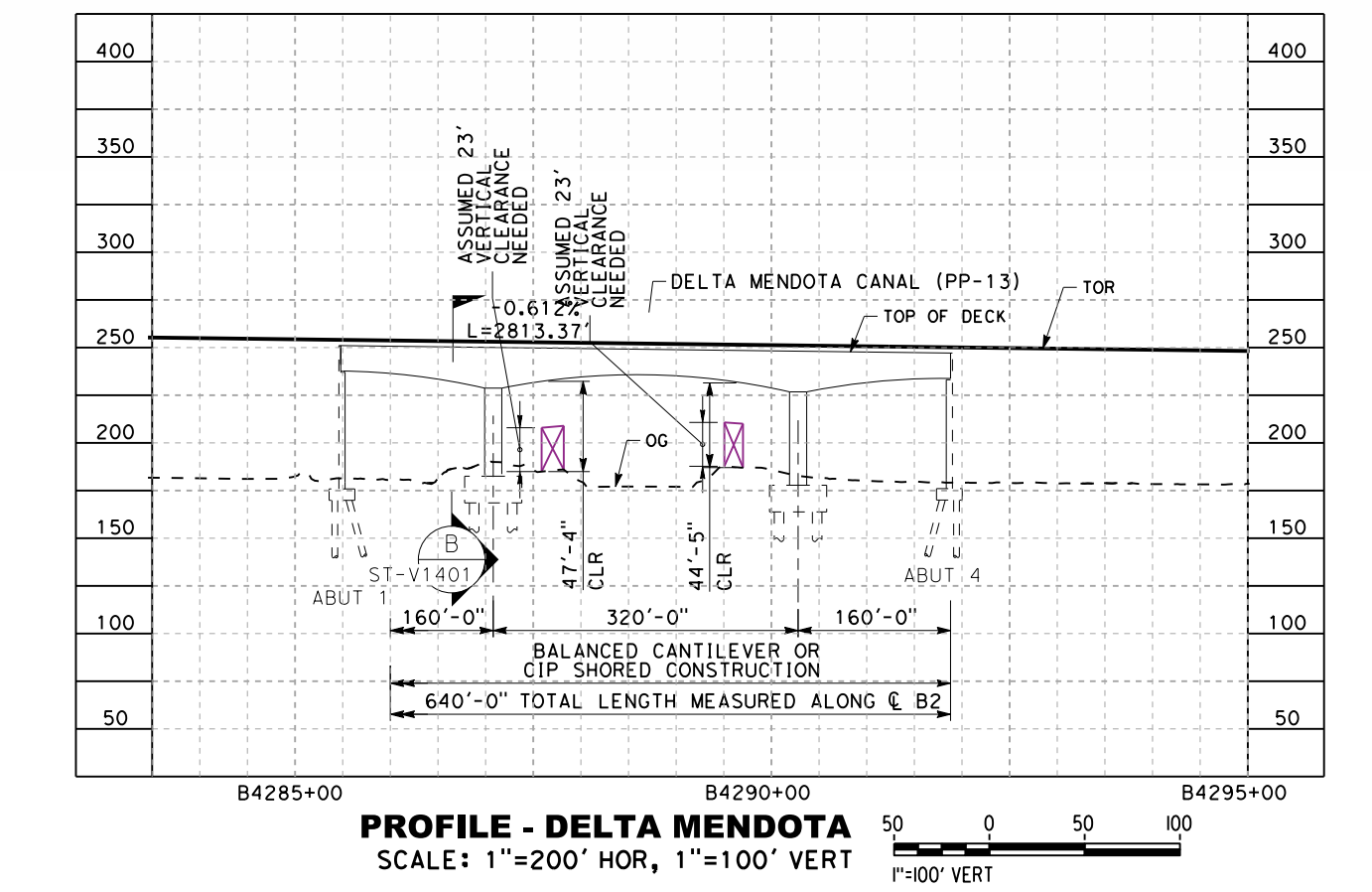
PROFILE - CALIFORNIA AQUEDUCT
SCALE: 1"=200' HOR, 1"=100' VERT



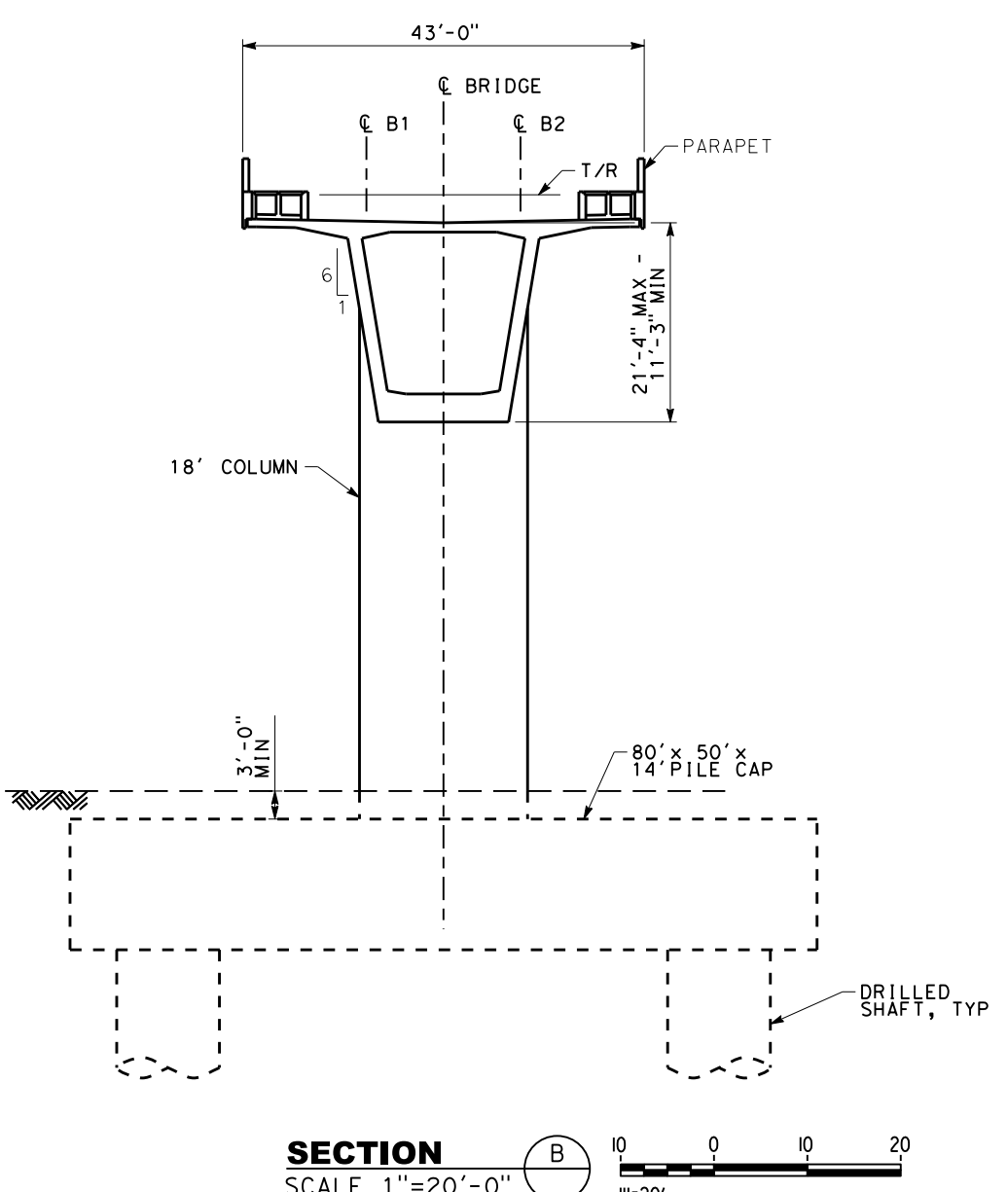
SECTION
SCALE 1"=20'-0"



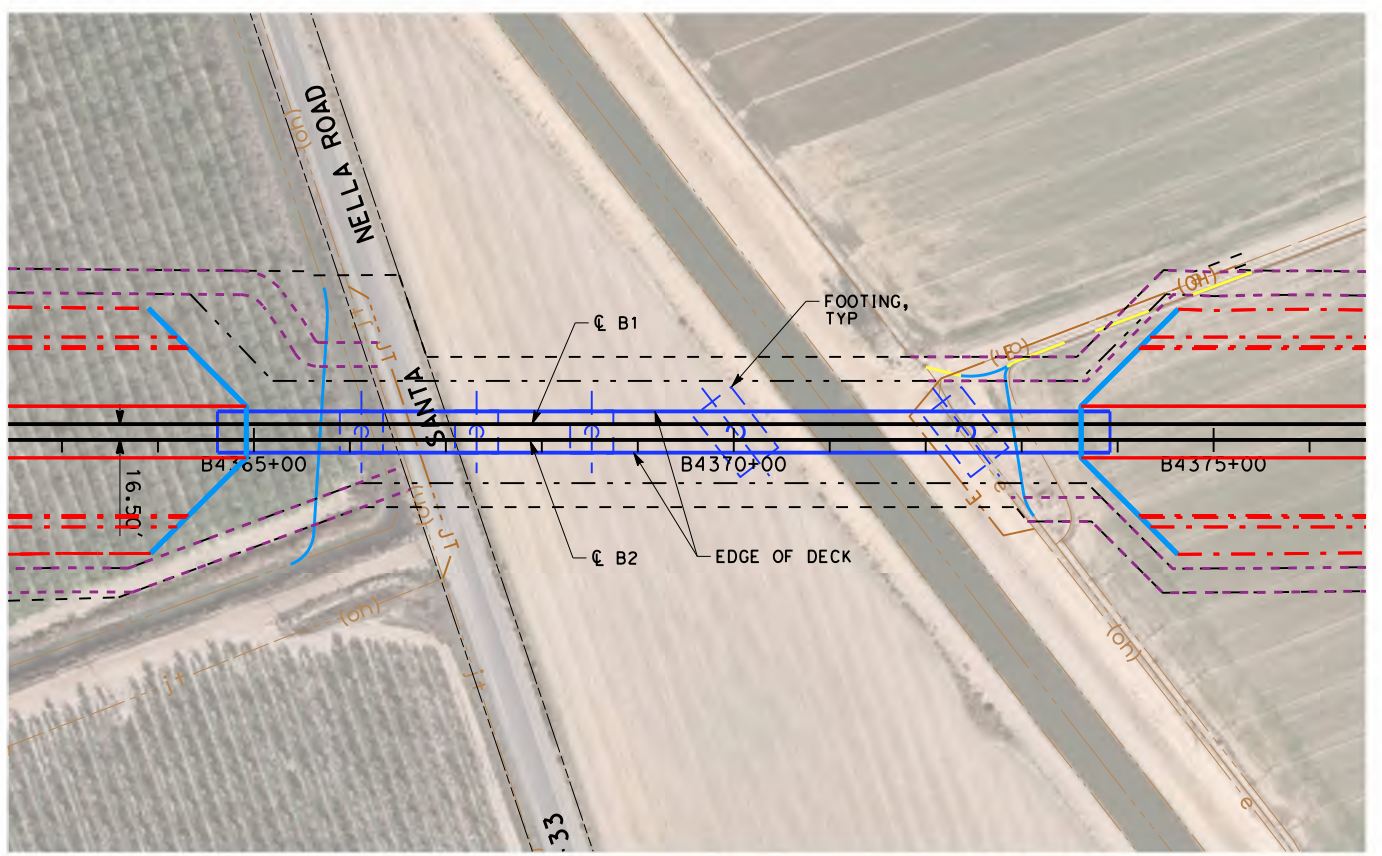
PLAN - DELTA MENDOTA
SCALE: 1"=200'



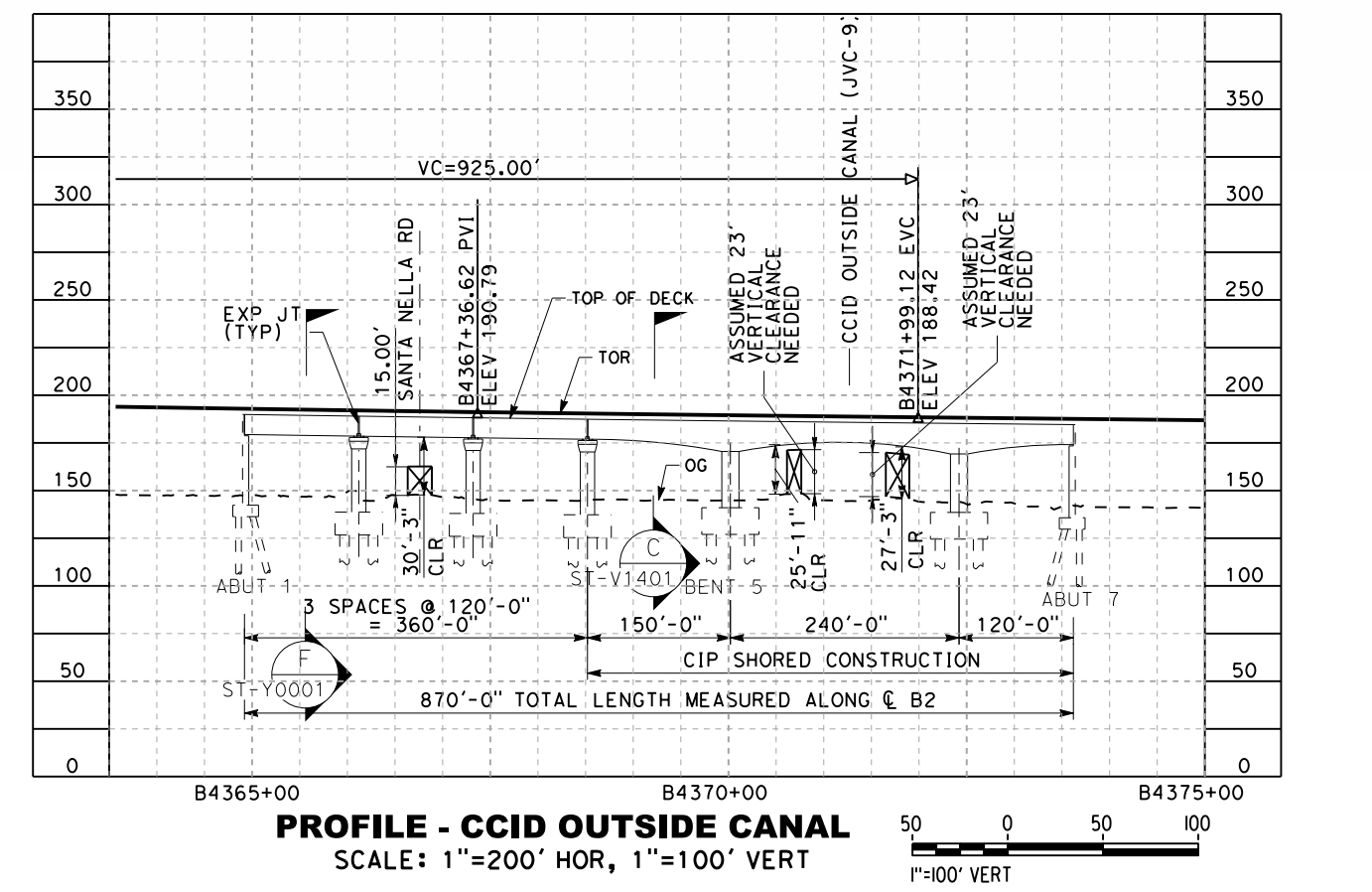
PROFILE - DELTA MENDOTA
SCALE: 1"=200' HOR, 1"=100' VERT



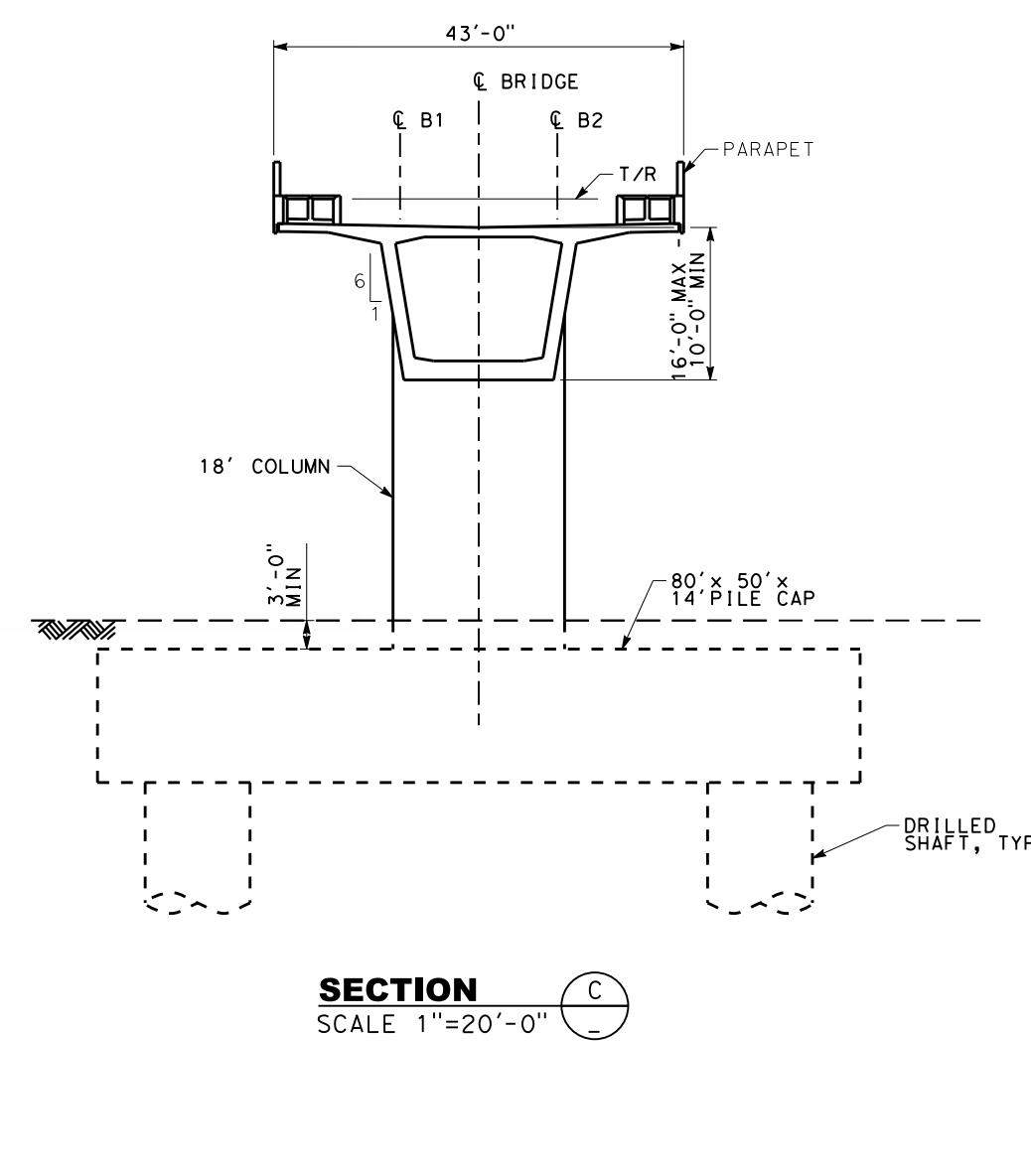
SECTION
SCALE 1"=20'-0"



PLAN - CCID OUTSIDE CANAL
SCALE: 1"=200'



PROFILE - CCID OUTSIDE CANAL
SCALE: 1"=200' HOR, 1"=100' VERT

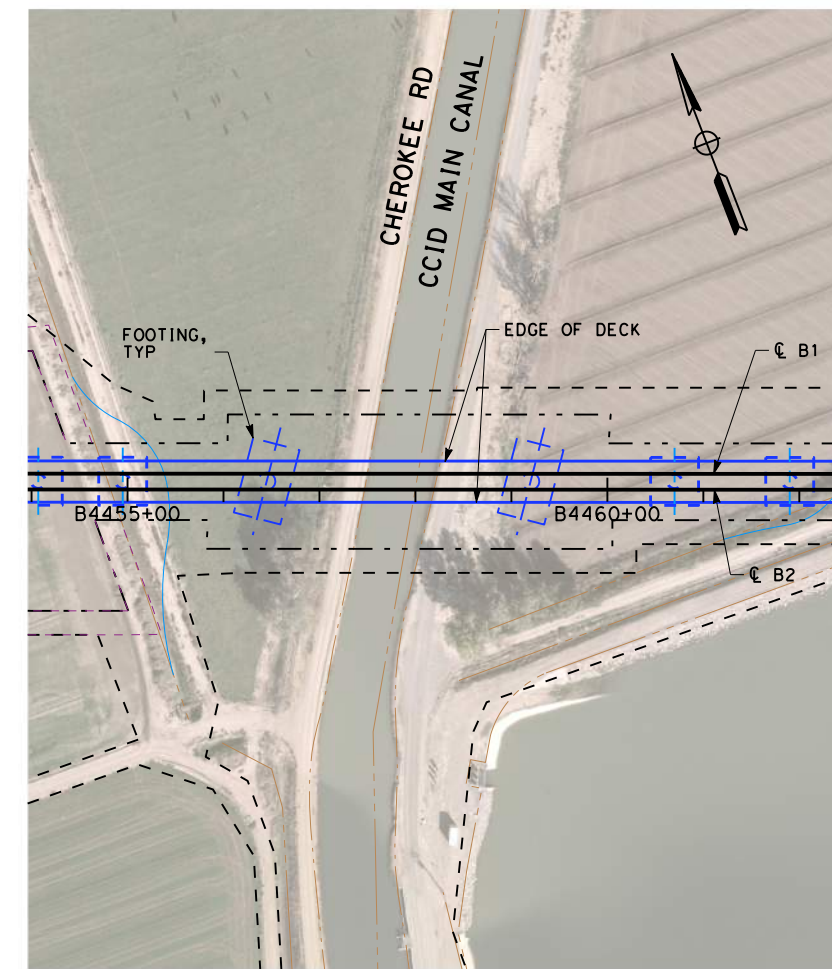


SECTION
SCALE 1"=20'-0"

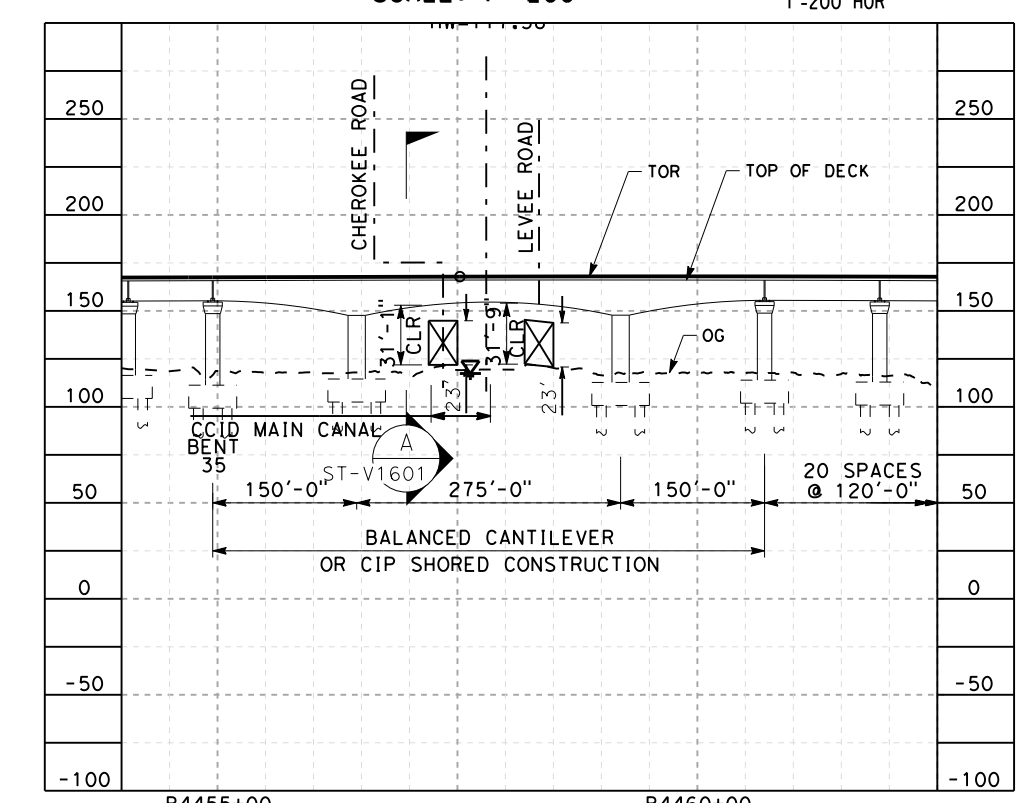
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 106 OF 218

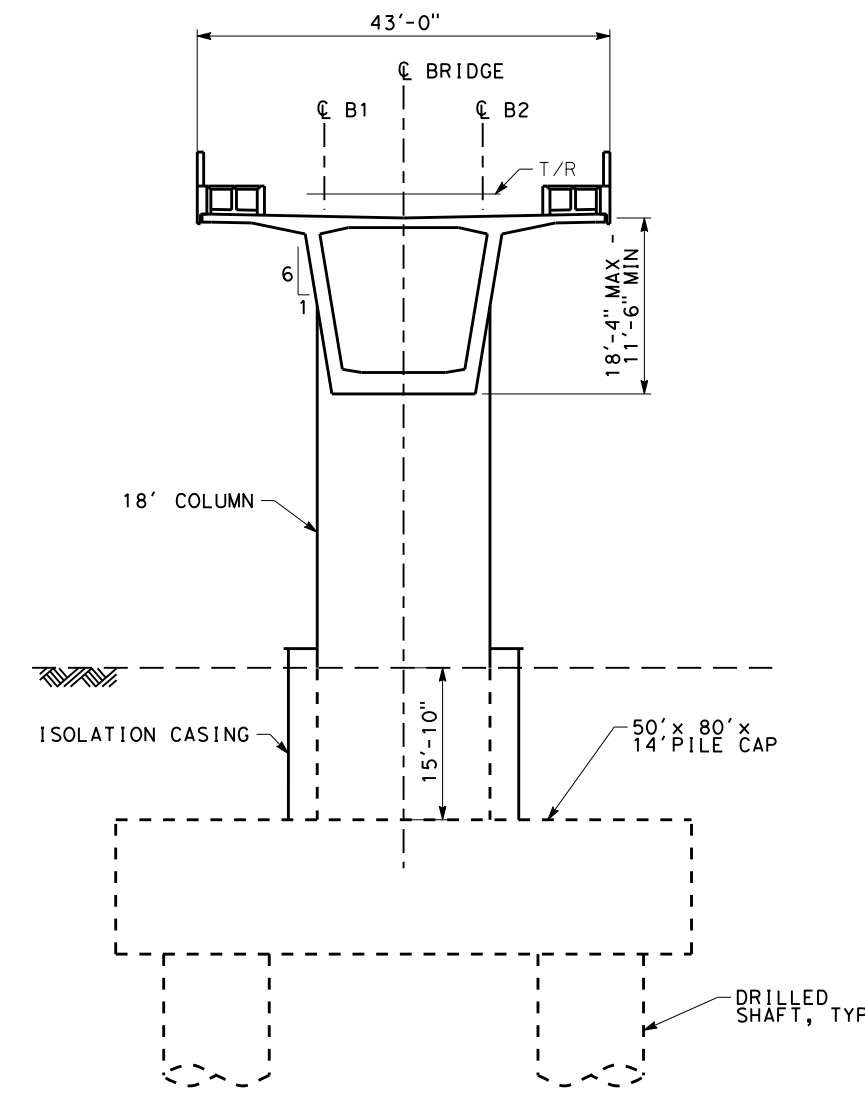
2021 RECORD SET PFD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED TUNNEL PACHECO PASS COMPLEX STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-V1401 SCALE AS SHOWN SHEET NO.
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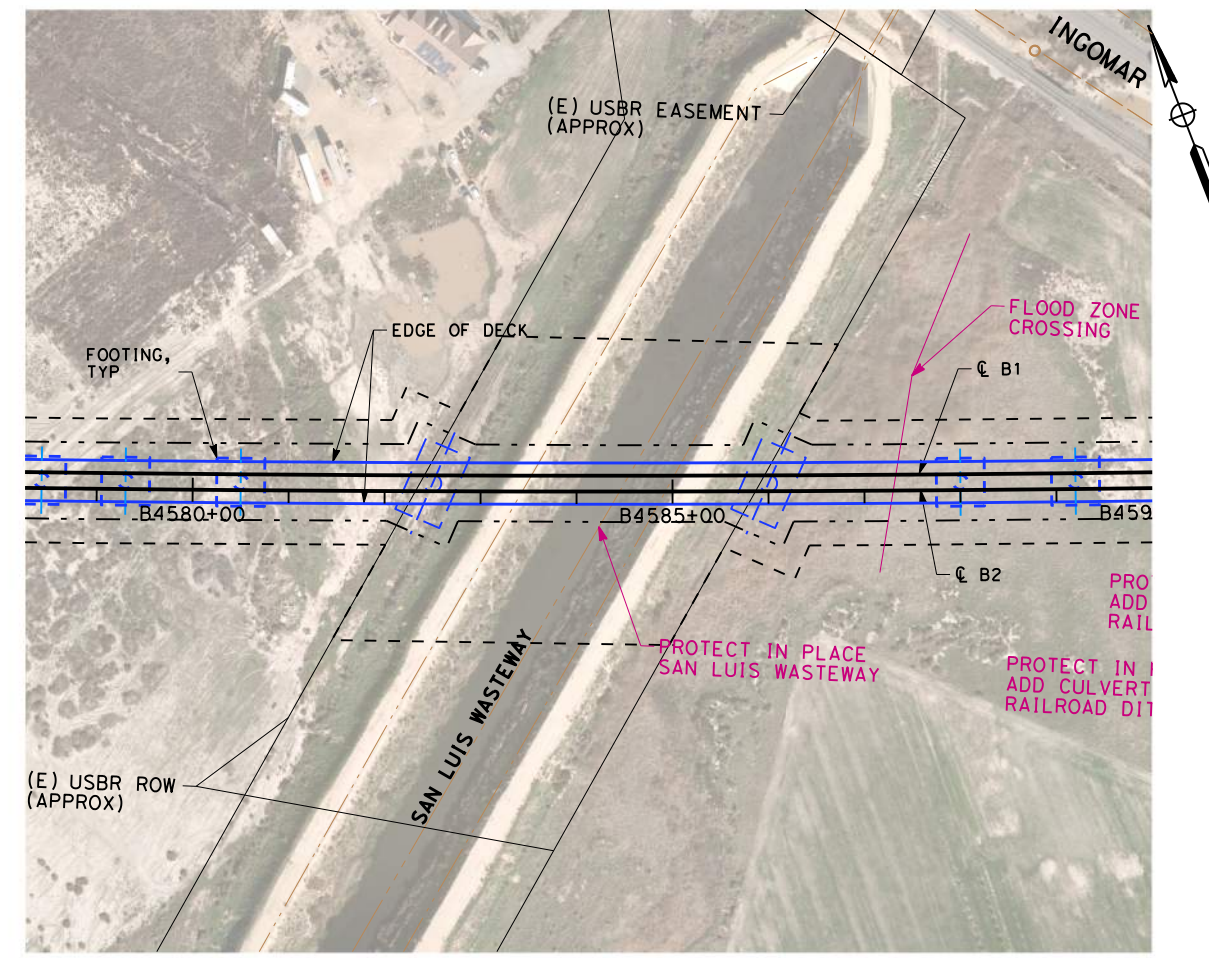
PLAN - CHEROKEE (LEVEE) RD
SCALE: 1"=200'



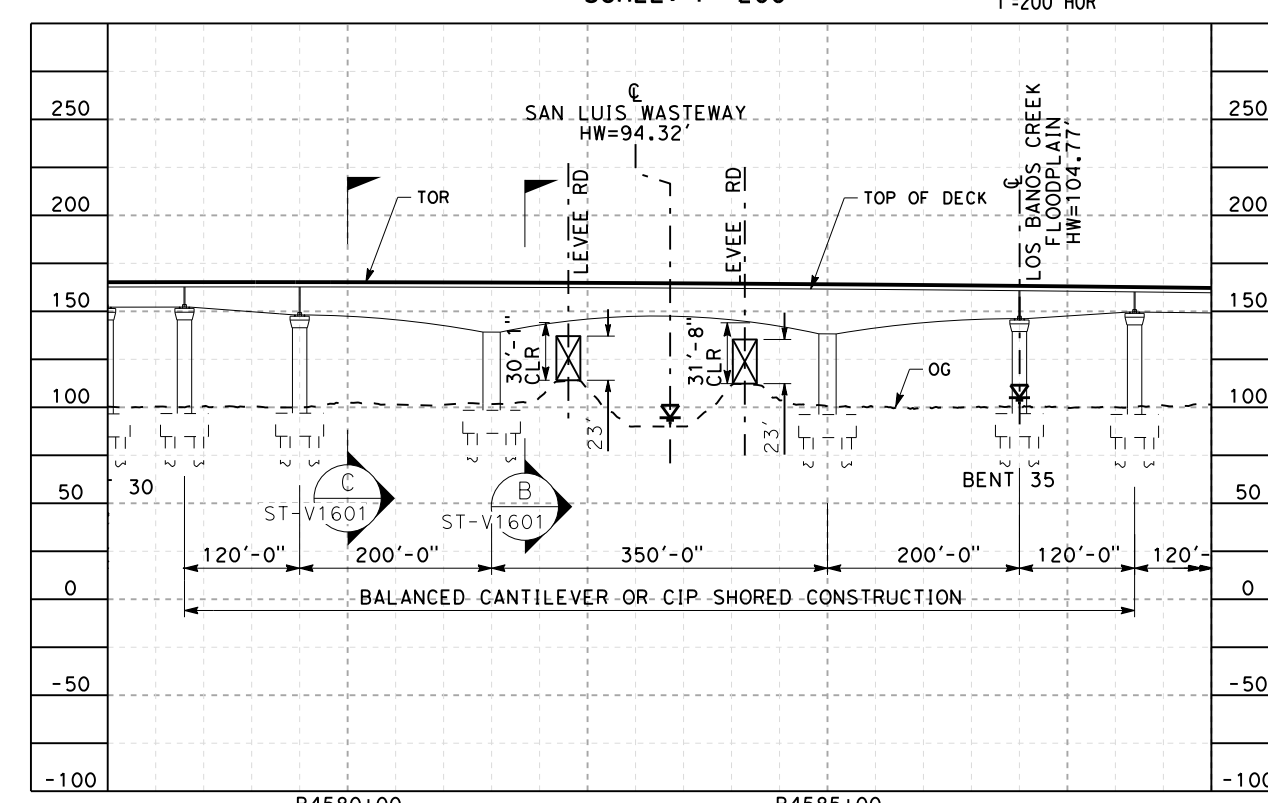
PROFILE - CHEROKEE (LEVEE) RD
SCALE: 1"=200' HOR, 1"=100' VERT



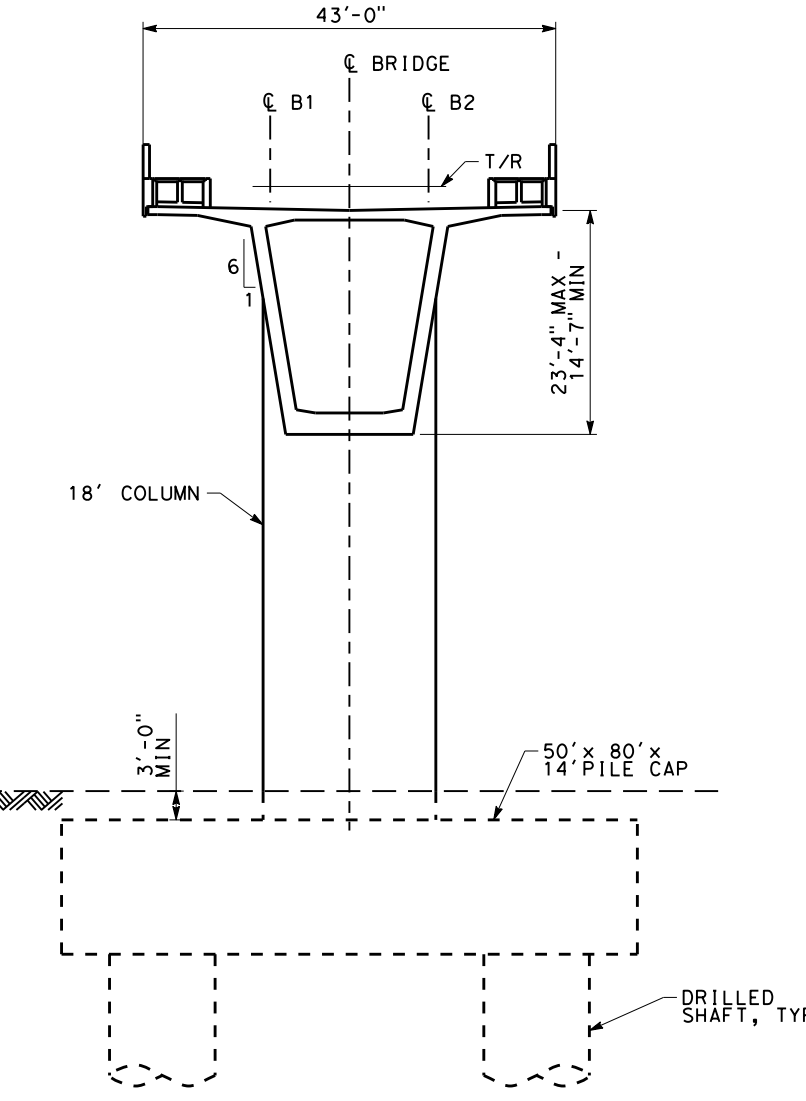
SECTION A-A
SCALE: 1"=20'-0"



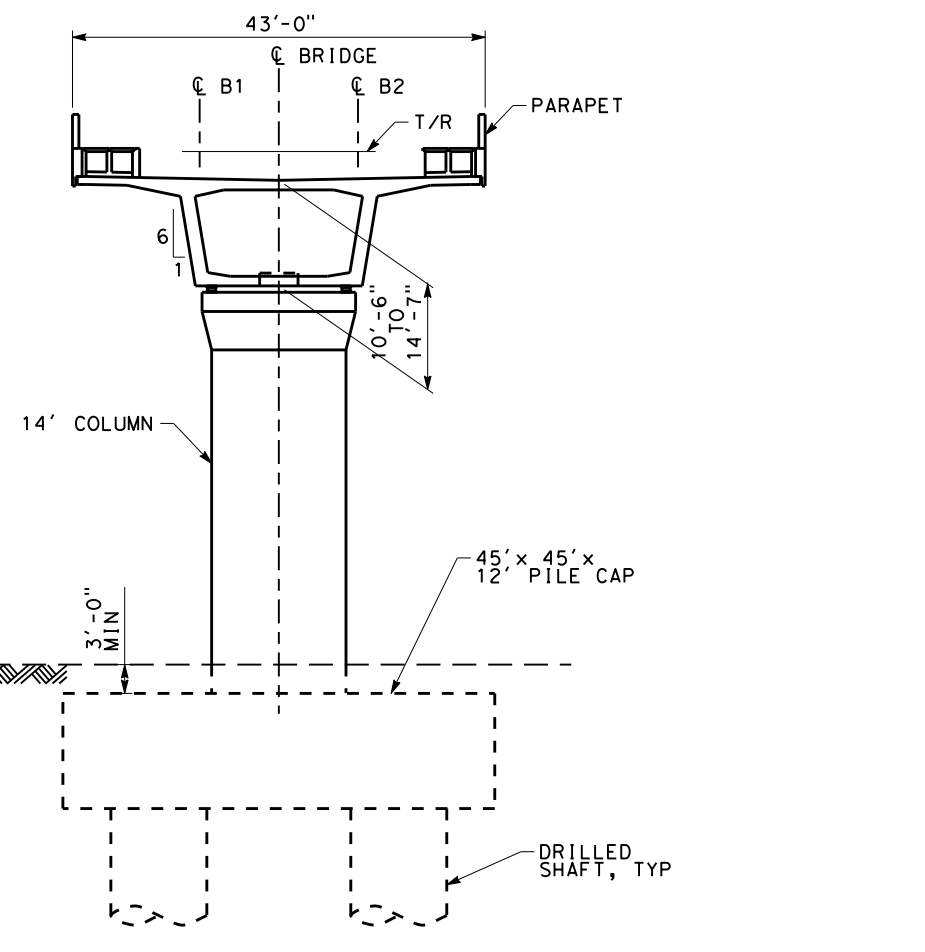
PLAN - SAN LUIS WASTEWAY
SCALE: 1"=200'



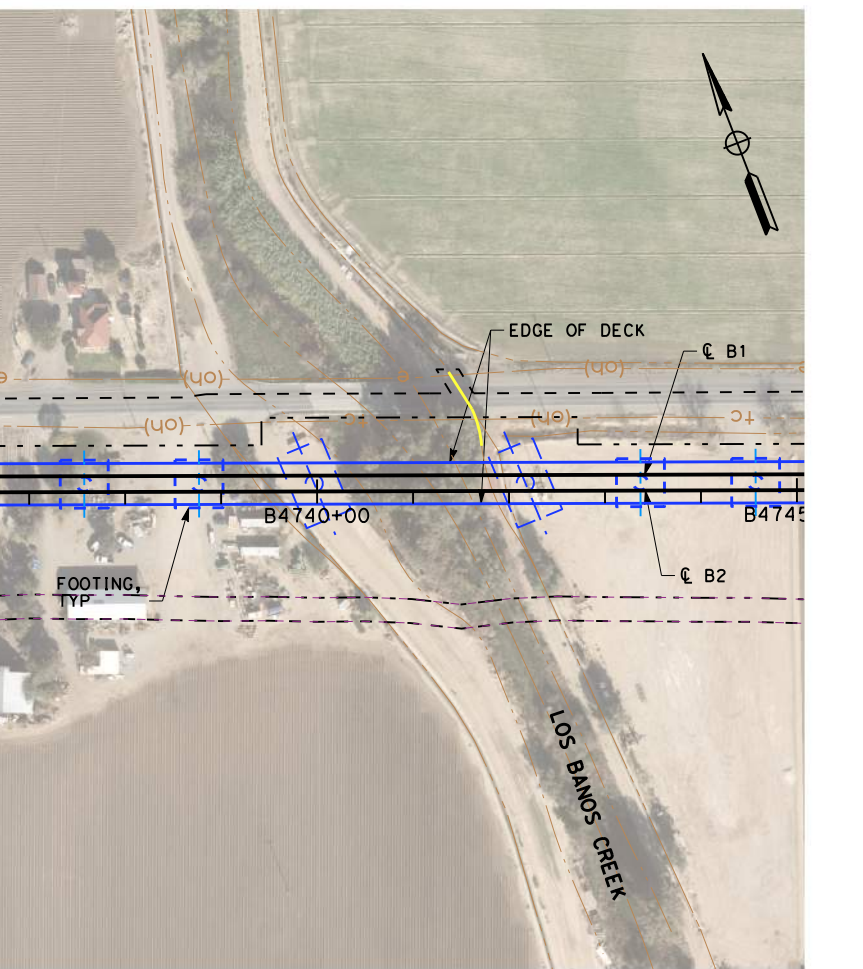
PROFILE - SAN LUIS WASTEWAY
SCALE: 1"=200' HOR, 1"=100' VERT



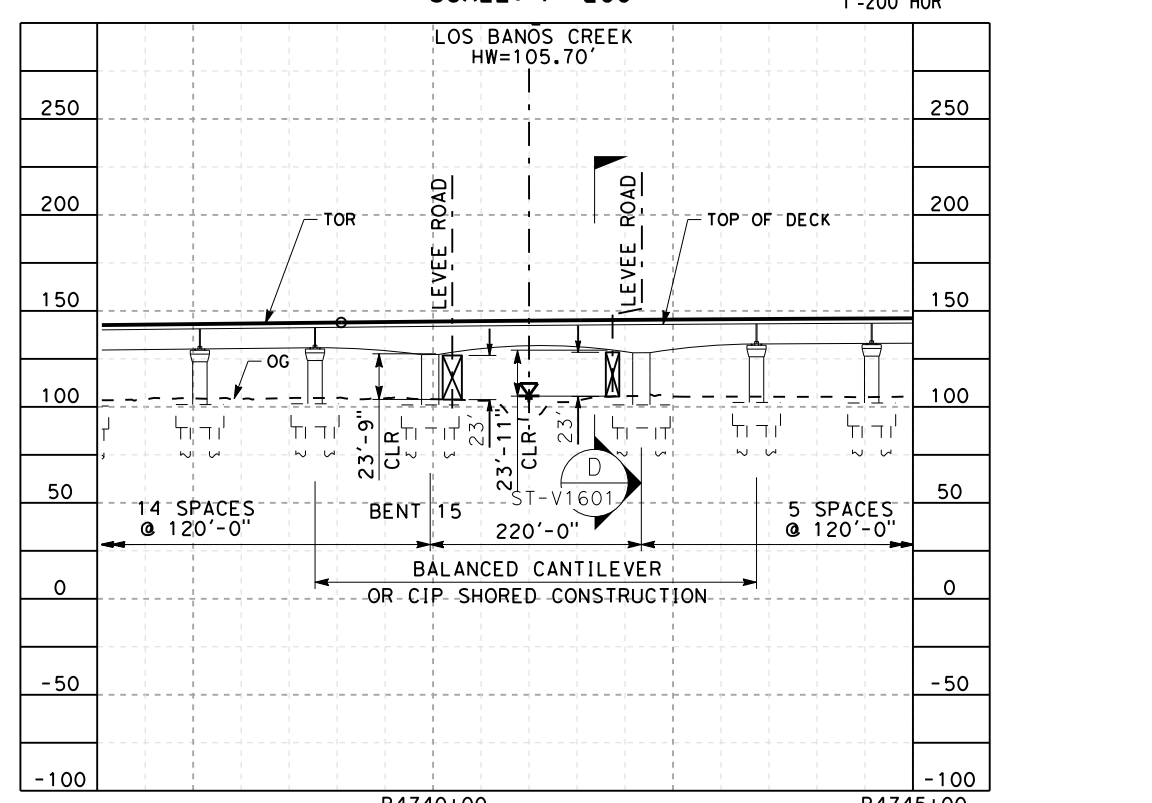
SECTION B-B
SCALE: 1"=20'-0"



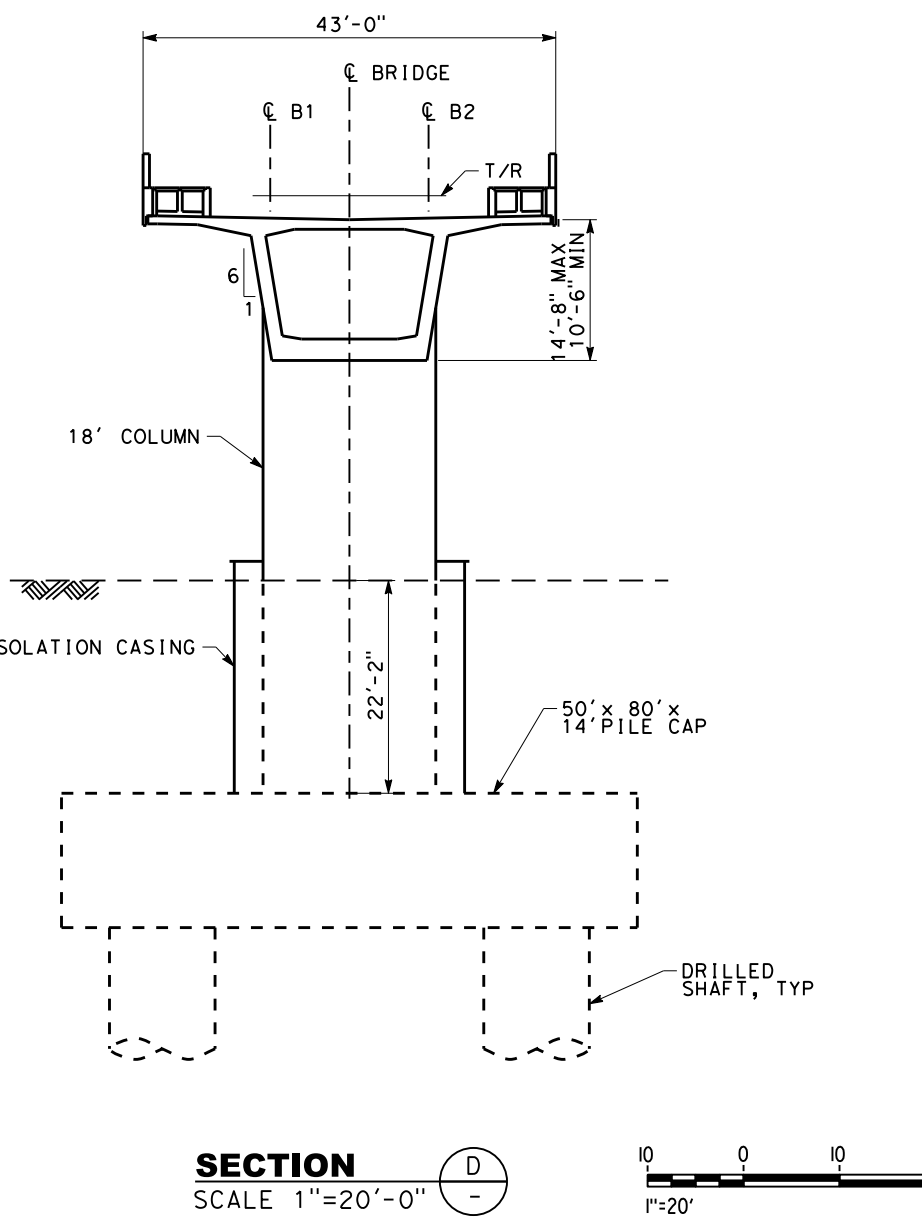
SECTION C-C
SCALE: 1"=20'-0"



PLAN - LOS BANOS CREEK
SCALE: 1"=200'



PROFILE - LOS BANOS CREEK
SCALE: 1"=200' HOR, 1"=100' VERT



SECTION D-D
SCALE: 1"=20'-0"

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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 107 OF 218

2021 RECORD SET P&P NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOAQUIN VALLEY SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPLEX STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-V1601 SCALE AS SHOWN SHEET NO.
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