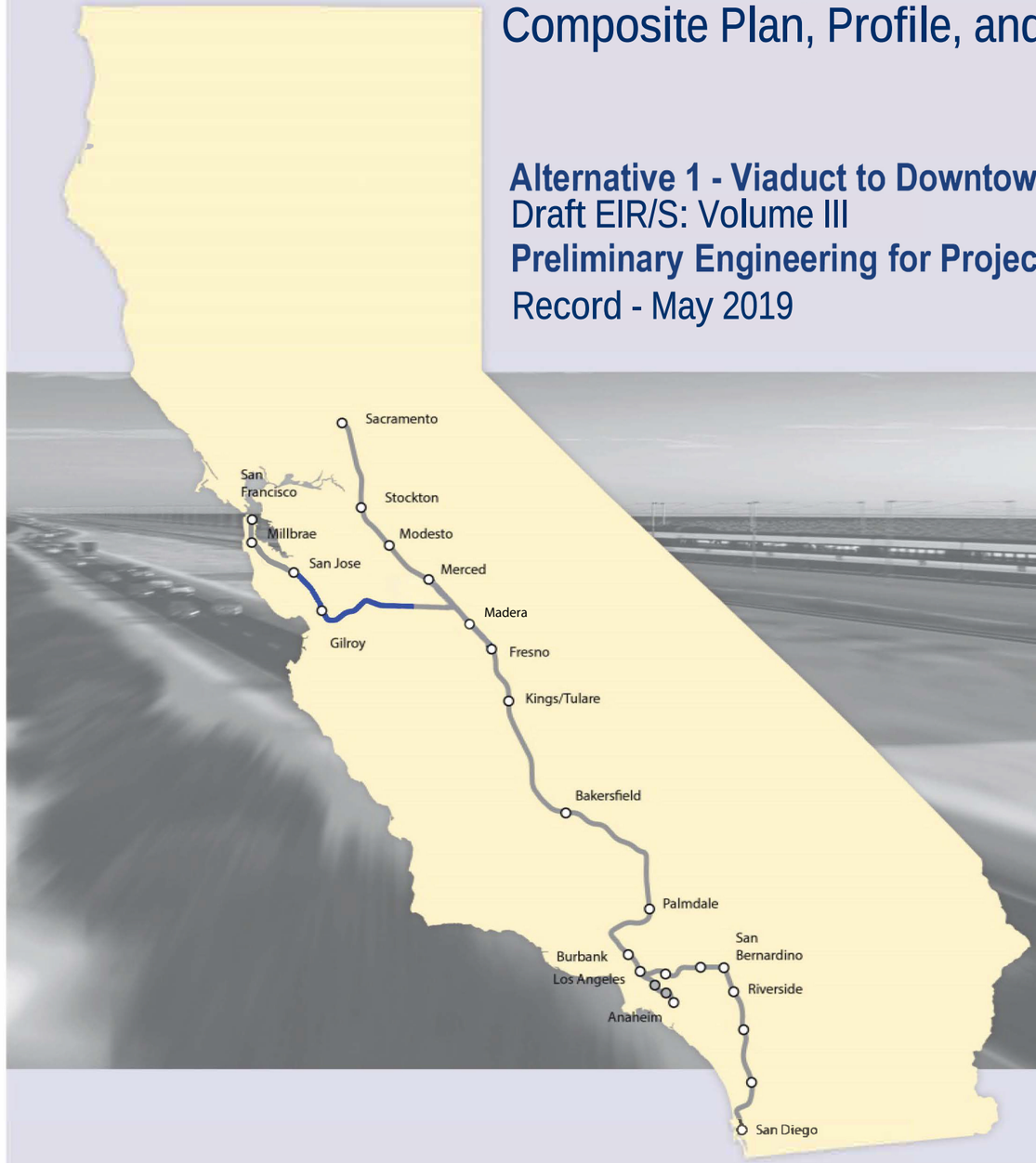
California High-Speed Rail Authority

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

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

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



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 31 - 92 OF 193

CALIFORNIA
High-Speed Rail Authority

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	31	TT-D1401	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B2362+00 TO B3205+00
BOOK 1B	32	TT-D1402	PACHECO PASS	SERVICE ROAD 1	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3205+00 TO B3295+00
BOOK 1B	33	TT-D1403	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3295+00 TO B3385+00
BOOK 1B	34	TT-D1404	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3385+00 TO B3475+00
BOOK 1B	35	TT-D1405	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3475+00 TO B3565+00
BOOK 1B	36	TT-D1406	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3565+00 TO B3655+00
BOOK 1B	37	TT-D1407	PACHECO PASS	SR 152	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3655+00 TO B3745+00
BOOK 1B	38	TT-D1408	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3745+00 TO B3835+00
BOOK 1B	39	TT-D1409	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3835+00 TO B3923+00
BOOK 1B	40	TT-D1410	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3923+00 TO B4014+00
BOOK 1B	41	TT-D1411	PACHECO PASS	MCCABE RD	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4014+00 TO B4105+00
BOOK 1B	42	TT-D1412	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4105+00 TO B4196+00
BOOK 1B	43	TT-D1413	PACHECO PASS	N/A	TUNNEL	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4196+00 TO B4287+00
BOOK 1B	44	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	45	TT-D1601	SAN JOAQUIN VALLEY	FAHEY RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4372+00 TO B4445+00
BOOK 1B	46	TT-D1602	SAN JOAQUIN VALLEY	CCID MAIN CANAL	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4445+00 TO B4533+00
BOOK 1B	47	TT-D1603	SAN JOAQUIN VALLEY	INGOMAR GRADE RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4533+00 TO B4614+00
BOOK 1B	48	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	49	TT-D1605	SAN JOAQUIN VALLEY	MONROE AVE	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4686+00 TO B4758+00
BOOK 1B	50	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	51	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	52	TT-D1608	SAN JOAQUIN VALLEY	N/A	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B4932+00 TO B5020+00
BOOK 1B	53	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	54	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	55	TT-D1611	SAN JOAQUIN VALLEY	TURNER ISLAND RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5193+00 TO B5282+00
BOOK 1B	56	TT-D1612	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B5282+00 TO B5366+28.52

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

$FILE$ $PLTDRVS$ $PENTBLS$ $TIME$ $DATE$ $USER$

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY
CHECKED BY
IN CHARGE
DATE

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MAY 3, 2019

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Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

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	57	AR-C0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCEPTUAL SITE PLAN
BOOK 1B	58	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	59	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK 1B	60	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CROSS SECTION
BOOK 1B	61	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK 1B	62	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK 1B	63	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	64	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	65	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	66	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 1B	67	AR-C0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	CONCEPTUAL SITE PLAN
BOOK 1B	68	AR-C0902	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	DETAILED SITE PLAN
BOOK 1B	69	AR-F0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	CONCOURSE PLAN
BOOK 1B	70	AR-Y0901	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	CROSS SECTION
BOOK 1B	71	AR-Y0902	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	MASSING DIAGRAM
BOOK 1B	72	AR-Y0903	MORGAN HILL AND GILROY	W 7TH ST, W 10TH ST	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	MASSING DIAGRAM
BOOK 1B	73	AR-Y0904	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	74	AR-Y0905	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	75	AR-Y0906	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 1B	76	AR-Y0907	MORGAN HILL AND GILROY	N/A	VIADUCT TO DOWNTOWN GILROY	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
STRUCTURES							
BOOK 1B	77	ST-V0151	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	78	ST-V0152	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	79	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	80	ST-V0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 1 OF 3
BOOK 1B	81	ST-V0302	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 2 OF 3
BOOK 1B	82	ST-V0303	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 3 OF 3
BOOK 1B	83	ST-T0301	SAN JOSE DIRIDON STATION APPROACH	I-880, SR 85	VIADUCT TO I-880	CALTRANS STRUCTURES	GENERAL PLAN
BOOK 1B	84	ST-T0401	MONTEREY CORRIDOR	ALMADEN EXPY, CURTNER AVE	VIADUCT/AT-GRADE	OVERPASSES AND UNDERPASSES	GENERAL PLAN
BOOK 1B	85	ST-V0601	MONTEREY CORRIDOR	CAPITOL CALTRAIN, CAPITOL EXPY	VIADUCT	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	86	ST-V0602	MONTEREY CORRIDOR	BLOSSOM HILL RD, BERNAL RD	VIADUCT	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	87	ST-V0701	MORGAN HILL AND GILROY	BAILEY AVE, COCHRANE RD	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK 1B	88	ST-V0702	MORGAN HILL AND GILROY	SB 101, LLAGAS CREEK	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK 1B	89	ST-T0701	MORGAN HILL AND GILROY	BAILEY AVE, I-5	VIADUCT TO DOWNTOWN GILROY	CALTRANS STRUCTURES	GENERAL PLAN
BOOK 1B	90	ST-V0901	MORGAN HILL AND GILROY	US 101	VIADUCT TO DOWNTOWN GILROY	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 1B	91	ST-V1401	PACHECO PASS	CALIFORNIA AQUEDUCT, CCID OUTSIDE CANAL	TUNNEL	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 1B	92	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

REV	DATE	BY	CHK	APP	DESCRIPTION

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 1
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SHEET 3 OF 7

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

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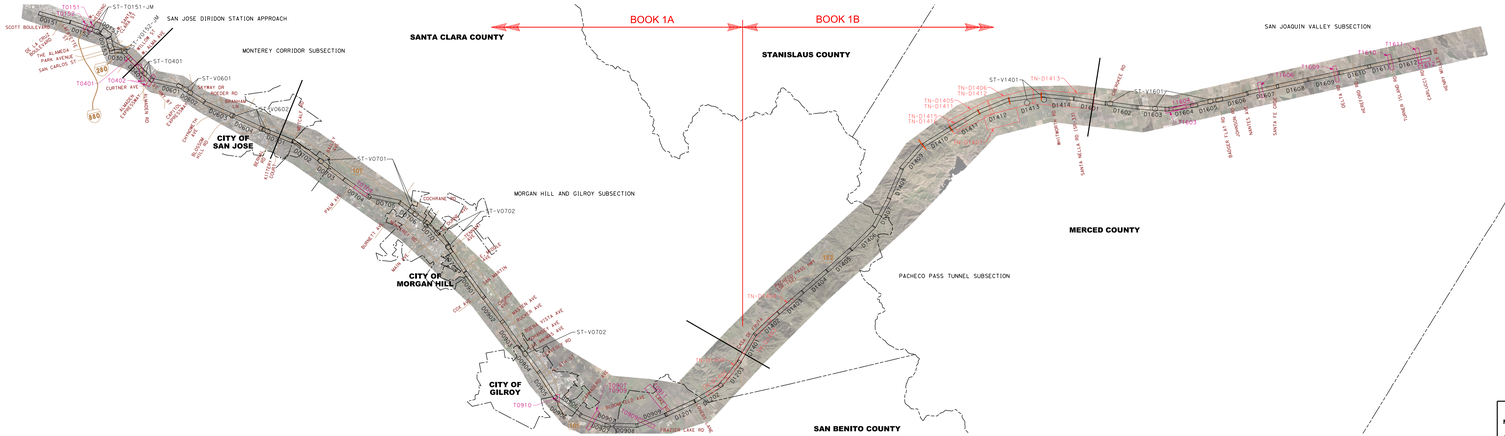
ALTERNATIVE 1 BOOK INDEX

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



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

LEGEND

KEY MAP LEGEND

- SJD_XX_XXXXX — AERIAL ORTHO-PHOTO
- DXXXX — COMPOSITE ROLL PLOTS
- TXXXX — GRADE SEPARATION ROLL PLOTS
- TN-DXXXX — TUNNEL ROLL PLOTS
- ST-TXXXX — STRUCTURES ROLL PLOTS
- SECTION BREAK
- CITY LIMITS
- COUNTY LINE
- ALMADEN RD — EXISTING ROAD

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

6000 0 6000 12000
FEET

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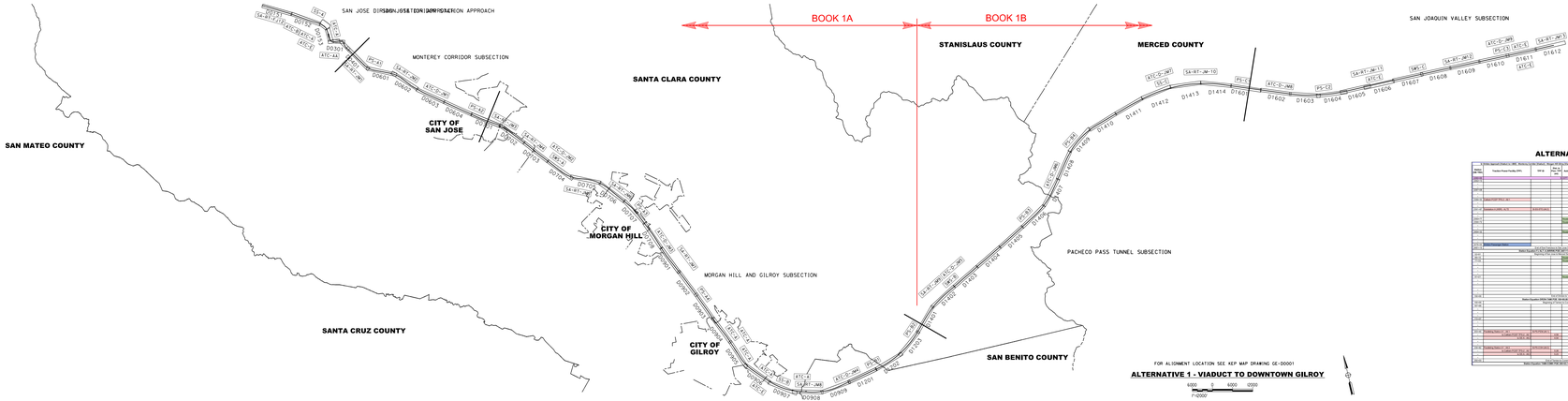
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 1
KEY MAP
COMPOSITE PLAN

DRAWING NO.	HSR15-34
SHEET NO.	GE-00101
SCALE	AS SHOWN
UNIT	IN



FOR ALIGNMENT LOCATION SEE KEP MAP DRAWING GE-00001

ALTERNATIVE 1 - VIADUCT TO DOWNTOWN GILROY

6000 0 6000 12000

1"=0000'

ALTERNATIVE 1

ALTERNATIVE 1 (CONTINUED)

ALTERNATIVE 1 (CONTINUED)

ALTERNATIVE 1 (CONTINUED)

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

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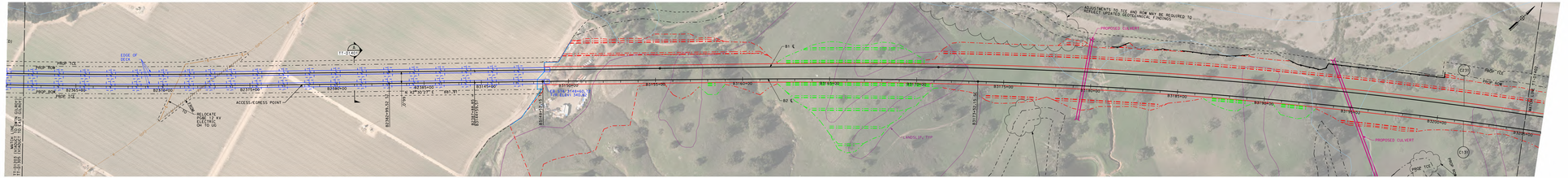
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
GENERAL
KEY MAP
SYSTEMS SITES

CONTRACT NO.	HSR15-54
DRAWING NO.	GE-00102
SCALE	AS SHOWN
SHEET NO.	1

SANTA CLARA COUNTY



PLAN
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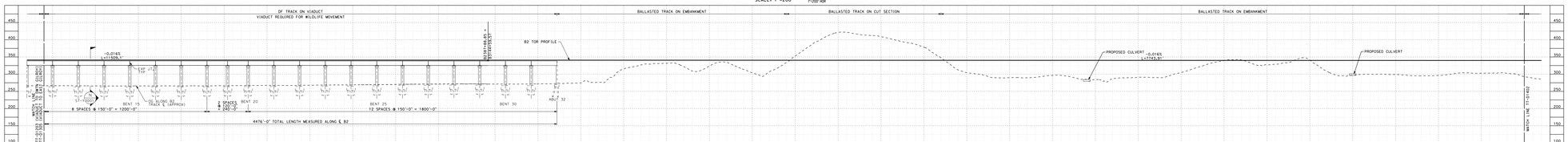
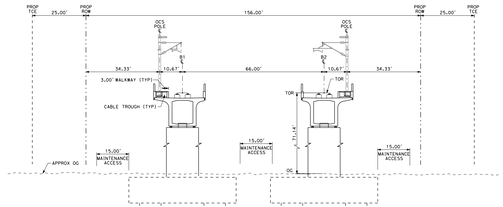


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

NOTE!

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



SECTION A
SCALE: 1"=20'
"B" 2381+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 31 OF 193

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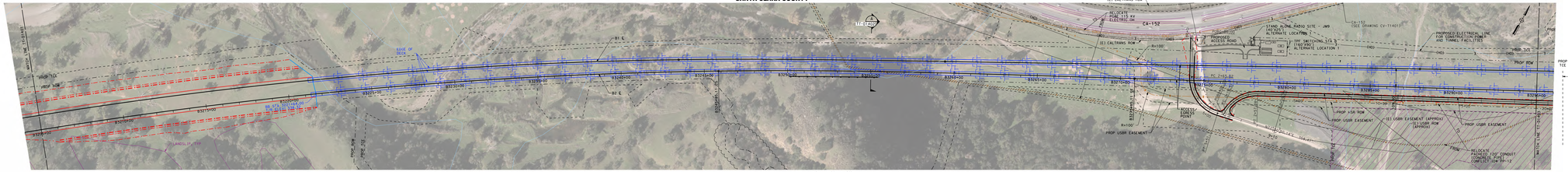
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B2362+00 TO B3205+00

CONTRACT NUMBER: HSR15-34
DRAWING NUMBER: TT-01401
SHEET NUMBER: AS SHOWN
REV NO.:

SANTA CLARA COUNTY



PLAN
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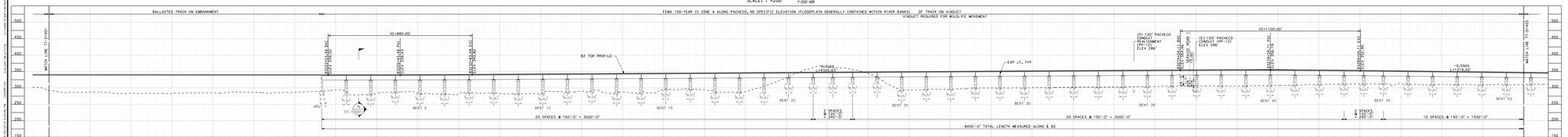
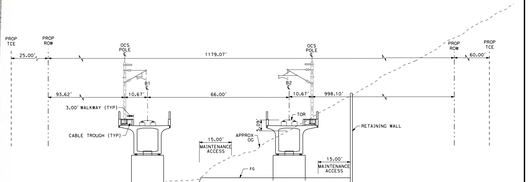


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

NOTE!

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



SECTION A
SCALE: 1"=20'
"B" 3255+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 32 OF 193

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B3205+00 TO B3295+00

CONTRACT NO. HSR15-34
DRAWING NO. TT-01402
SHEET NO. AS SHOWN
DATE

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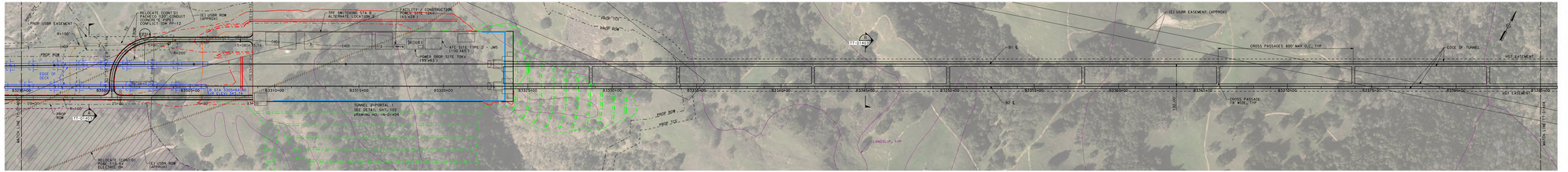
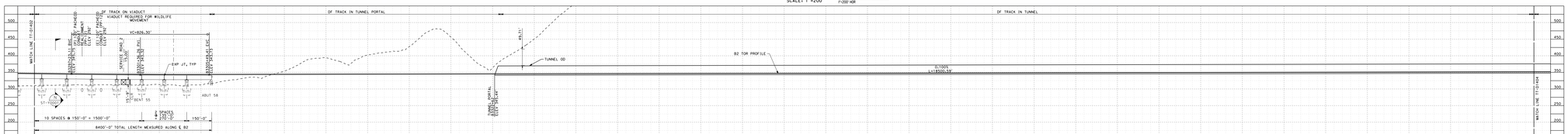
SANTA CLARA COUNTY

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 33 OF 193

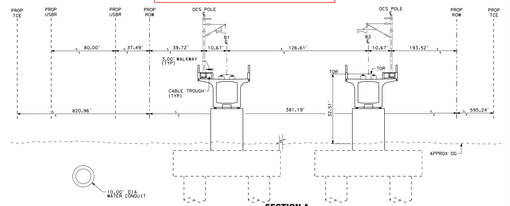
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



PLAN
SCALE: 1"=200'



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



SECTION A
SCALE: 1"=20'
"B" 3299+00

SECTION B
SCALE: 1"=20'
"B" 3345+00

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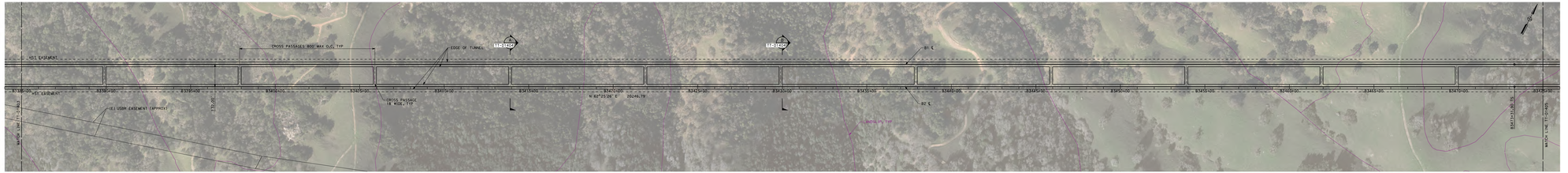
111 Broadway Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

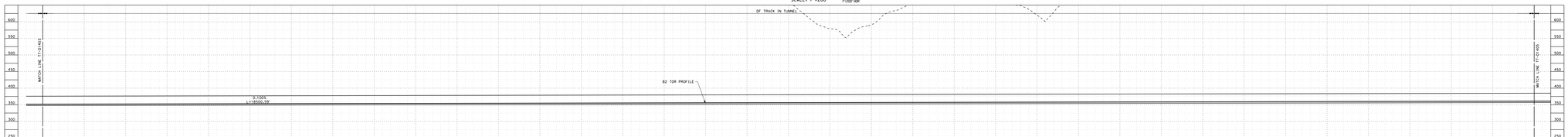
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B3295+00 TO B3385+00

CONTRACT NO. HSR15-34
DRAWING NO. TT-01403
SHEET NO. 33
SCALE: AS SHOWN
DATE: MAY 3, 2019

SANTA CLARA COUNTY

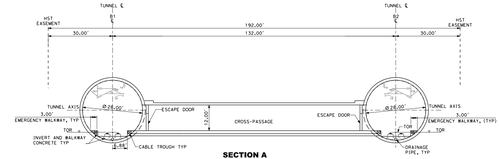


PLAN
SCALE: 1"=200'

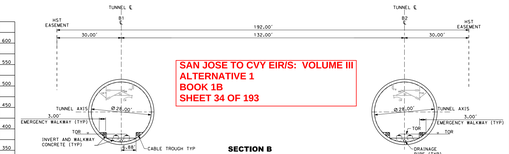


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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



SECTION A
SCALE: 1"=20'
"B" 3413+90



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 34 OF 193

SECTION B
SCALE: 1"=20'
"B" 3430+00

RECORD PDPO SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 I Broadway
Suite 1200
Oakland, CA 94612

CALIFORNIA High-Speed Rail Authority

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. HSRTS-34
DRAWING NO. TT-01404
SCALE AS SHOWN
SHT. NO.

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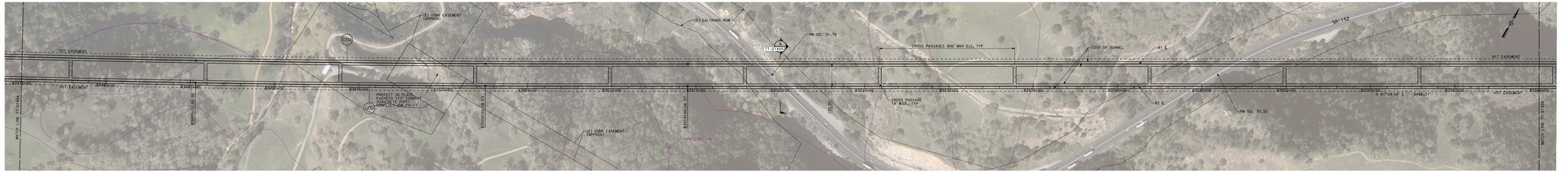
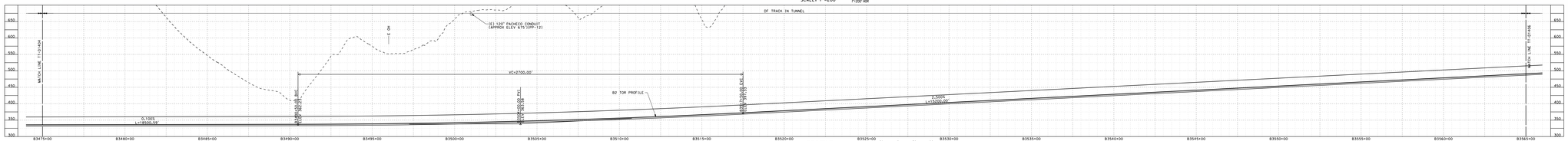
SANTA CLARA COUNTY



PLAN
SCALE: 1"=200'



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

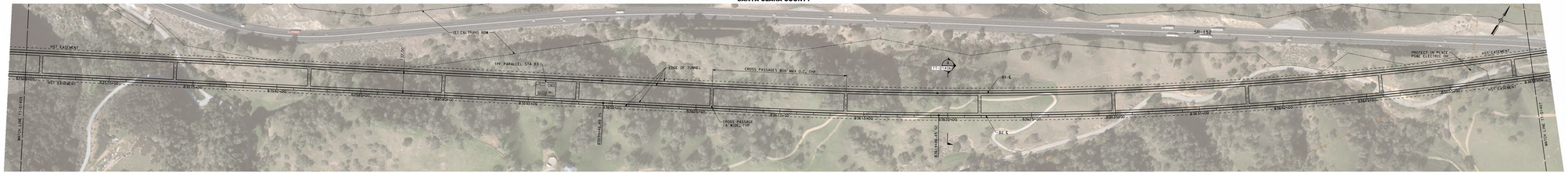
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

SECTION A
SCALE: 1"=20'
"B" 3520+00

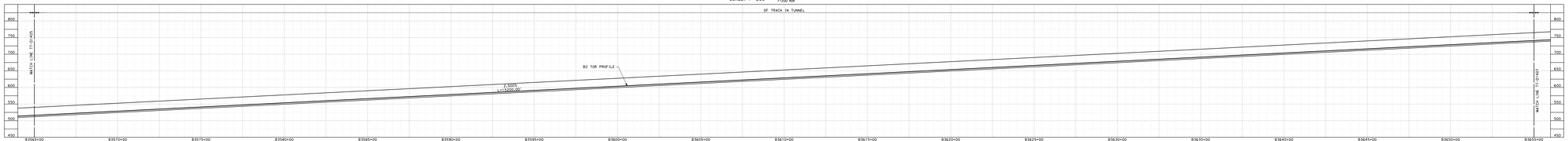
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 35 OF 193

RECORD PDFS SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 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 B3475+00 TO B3565+00	CONTRACT NO. HSRTI-34 DRAWING NO. TT-01405 SHEET NO. AS SHOWN DATE

SANTA CLARA 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.

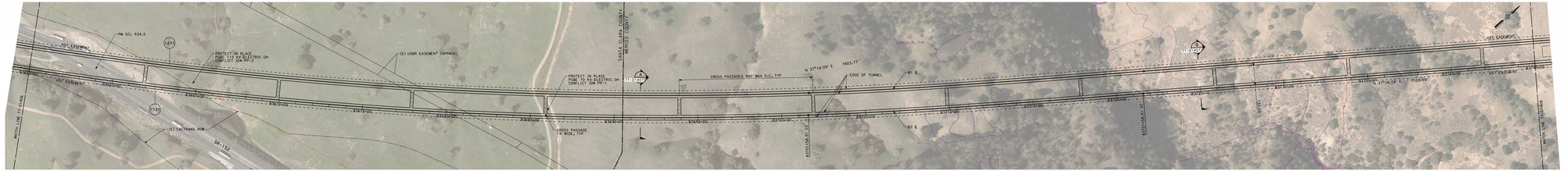
SECTION A
SCALE: 1"=20'
"B" 3620+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 36 OF 193

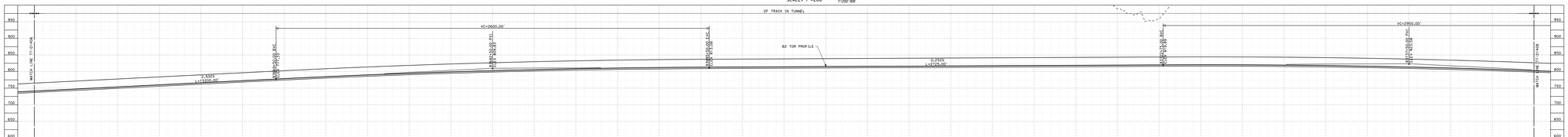
RECORD PSPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3565+00 TO B3655+00	DRAWING No. HSRTS-34 SHEET No. TT-01406 SCALE AS SHOWN REV. No.

SANTA CLARA COUNTY

MERCED COUNTY

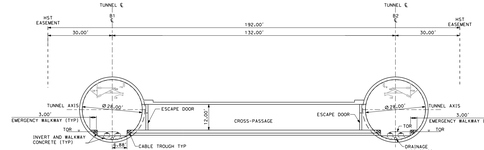


PLAN
SCALE: 1"=200'

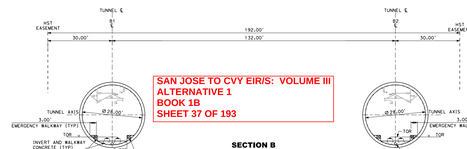


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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



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



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 37 OF 193

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

RECORD PDFO SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway
Suite 1200
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

CONTRACT NO. HSRTS-34
DRAWING NO. TT-01-R0T
SCALE AS SHOWN
SHEET NO.

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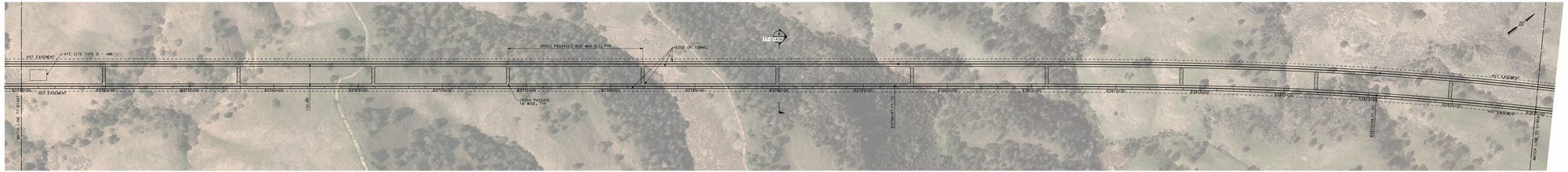
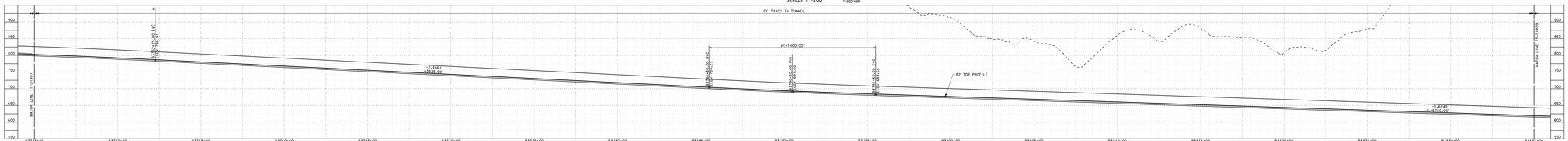
MERCED COUNTY



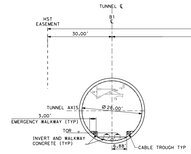
PLAN
SCALE: 1"=200'

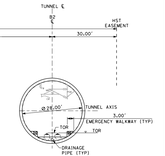
200 0 100 200
1"=200' HOR



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

50 0 50 100
1"=100' VERT





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

NOTES:

1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
2. MSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN MSR SR STATION B3760+00 TO STATION B3825+00 TO ACCOMMODATE FAULT RUPTURE. BASED ON THE ASSUMPTION THAT THE HANGING WALL 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 38 OF 193

RECORD PDFS SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 I Broadway Suite 1200 Oakland, CA 94612	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3745+00 TO B3835+00

CONTRACT NO. HSR15-34	
DRAWING NO. TT-01-K08	
SCALE AS SHOWN	
DATE 5/3/19	

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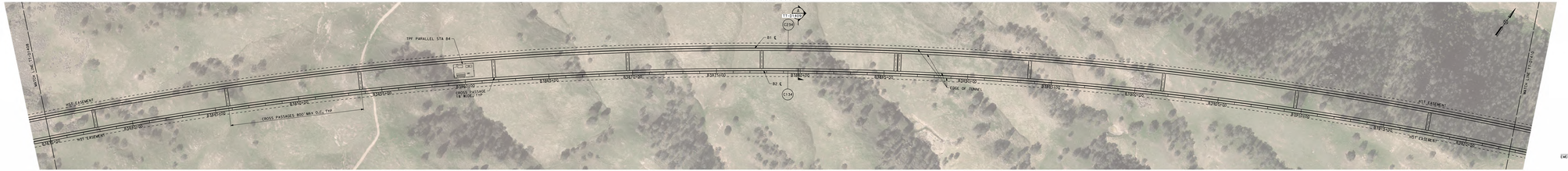
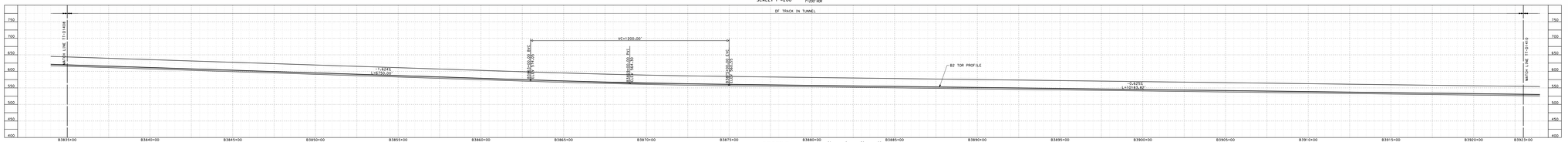
MERCED COUNTY



PLAN
SCALE: 1"=200'



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

NOTES:

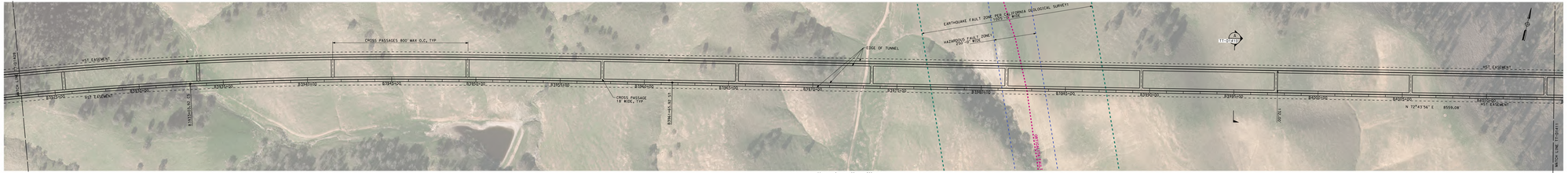
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
2. HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SR STATION B3790+00 TO STATION B3878+00 TO ACCOMMODATE FAULT RUPTURE. EASEMENT WIDENED TO 132' TO THE LEFT (LOOKING WEST) OF ORIGINALITY FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT, WIDENED SECTION TO VARY BETWEEN 0' TO 4'.

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

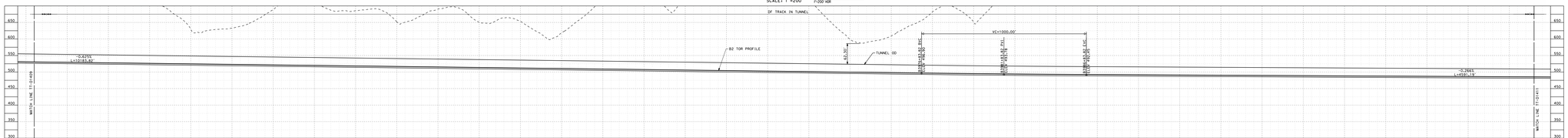
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 39 OF 193

RECORD PSPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 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 B3835+00 TO B3921+00	CONTRACT NO. HSR15-34 DRAWING NO. T7-01409 SCALE AS SHOWN SHEET NO.

MERCED COUNTY



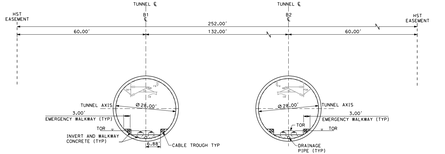
PLAN
SCALE: 1"=200'



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

NOTES:

1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0004 FOR NOTES.
2. HSR EASEMENT PROPOSED TO BE WIDENED IN TUNNEL BETWEEN HSR SB STATION BYPASS TO STATION BOUNDARIES TO ACCOMMODATE FAULT RUPTURE. WIDENED SECTION TO BE CENTERED ON GROUND WEST OF ON-FAULT/N-FAULT IS ASSUMED TO SHIFT 4' NORTH ALONG THE FAULT, WIDENED SECTION TO VARY BETWEEN 0 TO 4'.

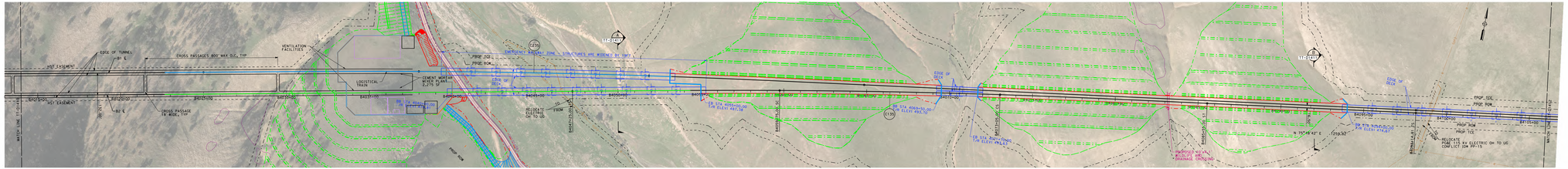


SECTION A
SCALE: 1"=20'
"B" 3995+00

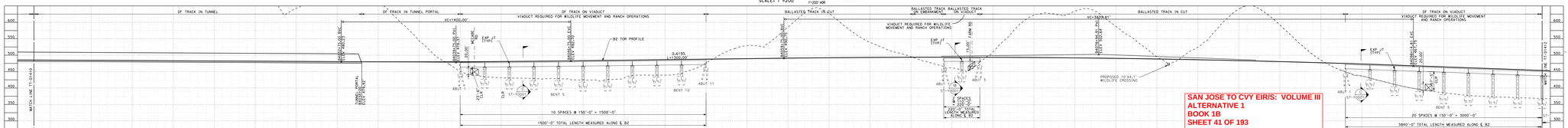
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 40 OF 193

RECORD PDFS SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 I Broadway Suite 1200 Oakland, CA 94612	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B3323+00 TO B4014+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-01410 SCALE AS SHOWN SHEET NO.

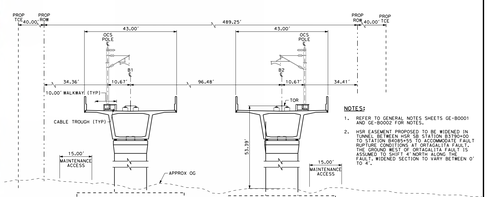
MERCED COUNTY



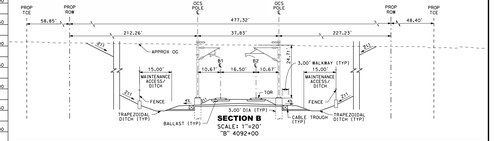
PLAN
SCALE: 1"=200'



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



SECTION A
SCALE: 1"=20'
"B" 4050+00



SECTION B
SCALE: 1"=20'
"B" 4092+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 41 OF 193

RECORD PDFS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

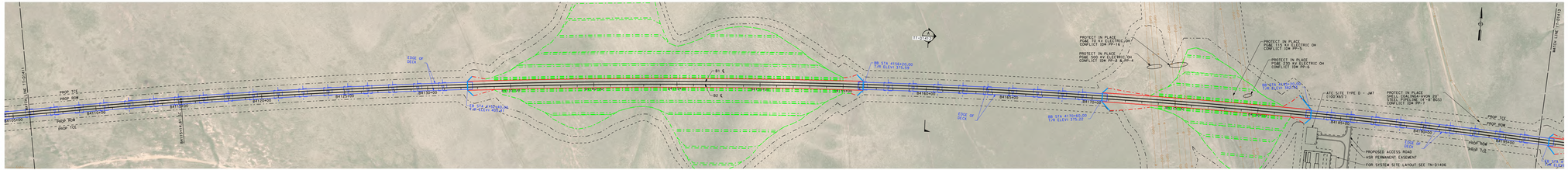
HNTB
555 Montgomery Street
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

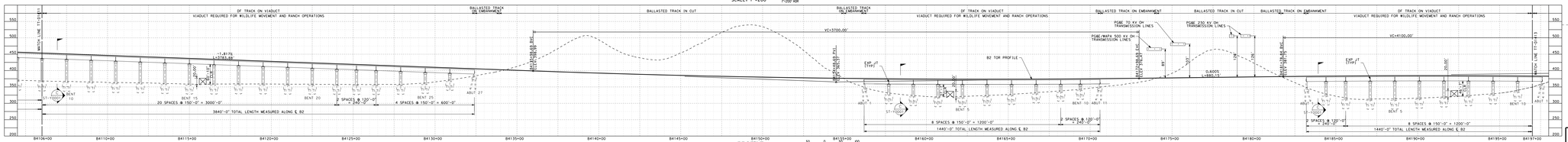
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4014+00 TO B4104+00

CONTRACT NO. HSR15-34
DRAWING NO. TT-01411
SHEET NO. 41
SCALE: AS SHOWN
REV. NO.

MERCED COUNTY



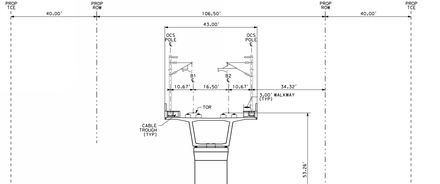
PLAN
SCALE: 1"=200'



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" 4160+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 42 OF 193

RECORD PSPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway
Suite 1200
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
B4155+00 TO B4186+00

CONTRACT NO. HSR15-34
DRAWING NO. TT-D1412
SHEET NO. 1
SCALE AS SHOWN
DATE No.

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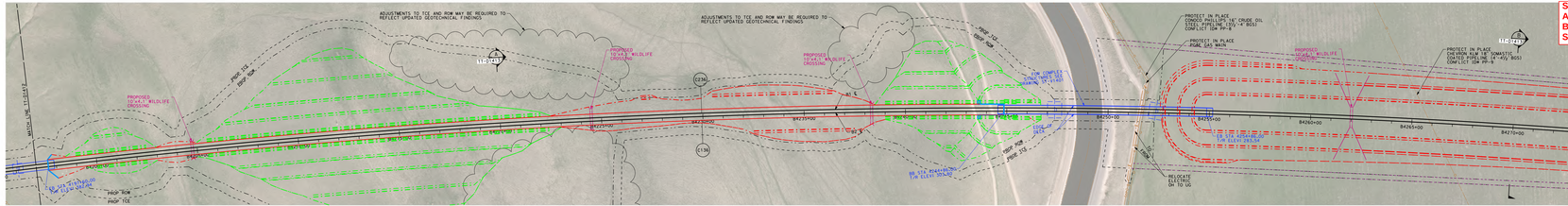
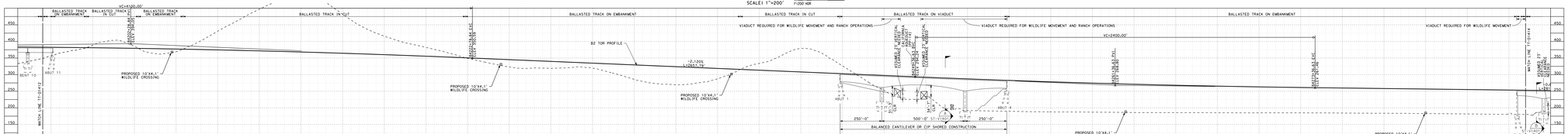
MERCED COUNTY

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 43 OF 193

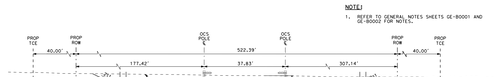


PLAN
SCALE: 1"=200'

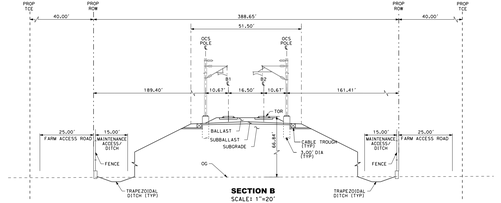


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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



SECTION A
SCALE: 1"=20'
"B" 4220+00



SECTION B
SCALE: 1"=20'
"B" 4270+00

RECORD PDPO SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

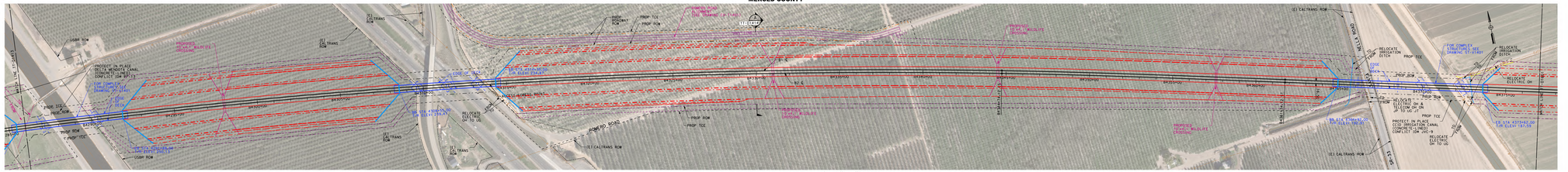
HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

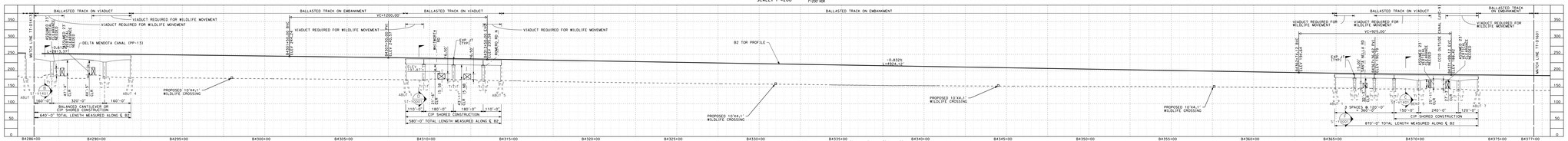
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4196+00 TO B4287+00

CONTRACT NO. HSR15-34
DWG. NO. TT-01413
SCALE AS SHOWN
SHT. NO.

MERCED COUNTY



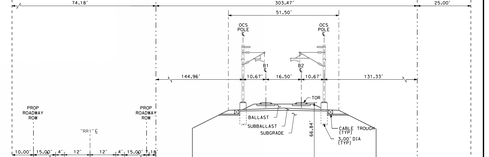
PLAN
SCALE: 1"=200'



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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 44 OF 193

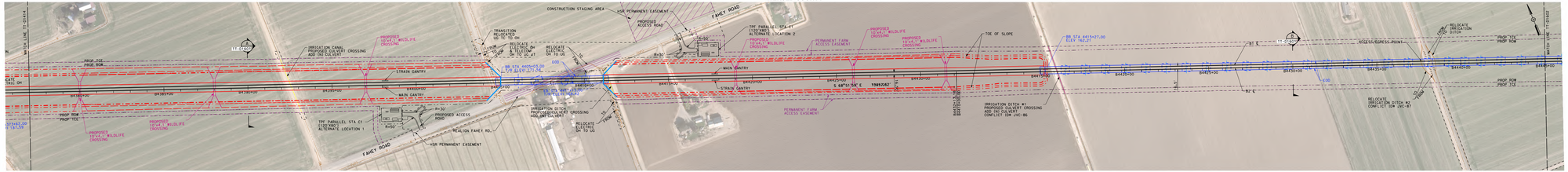
NOTE!
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



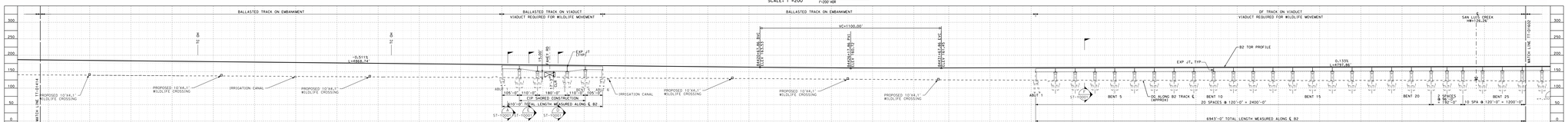
SECTION A
SCALE: 1"=20'
"B" 4330+00

RECORD PDPO SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 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-01414 SHEET NO. AS SHOWN DATE

MERCED COUNTY

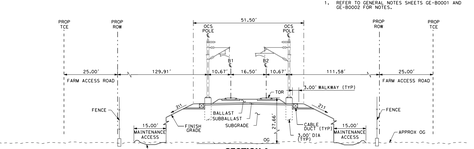


PLAN
SCALE: 1"=200'

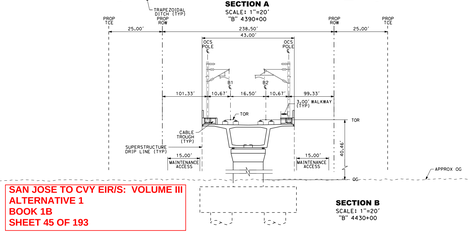


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

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



SECTION A
SCALE: 1"=20'
"B" 4390+00



SECTION B
SCALE: 1"=20'
"B" 4430+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 45 OF 193

RECORD PDFS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

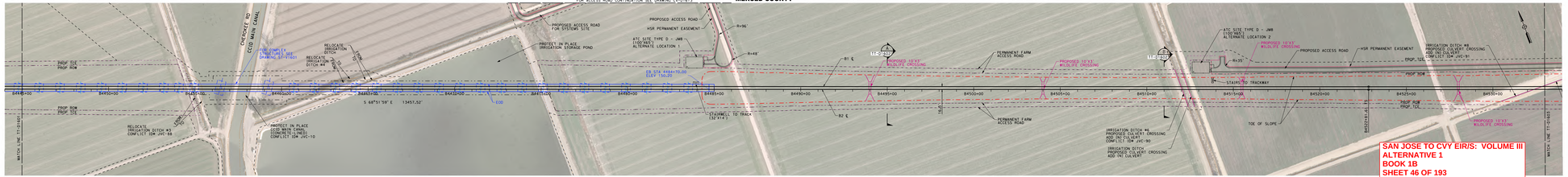
HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

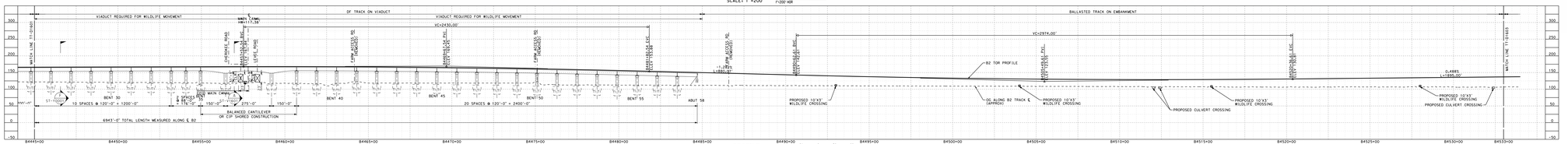
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4377+00 TO B4445+00

CONTRACT NUMBER: HSR15-34
DRAWING NUMBER: TT-01601
SHEET NUMBER: AS SHOWN
REVISION NUMBER:

MERCED COUNTY

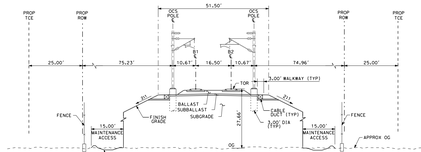


PLAN
SCALE: 1"=200'
60 0 60 200
1"=200' HOR

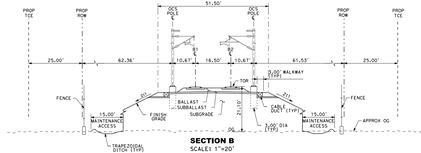


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT

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



SECTION A
SCALE: 1"=20'
"B" 4495+00



SECTION B
SCALE: 1"=20'
"B" 4511+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 46 OF 193

RECORD PDPO SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway Suite 1200 Oakland, CA 94607

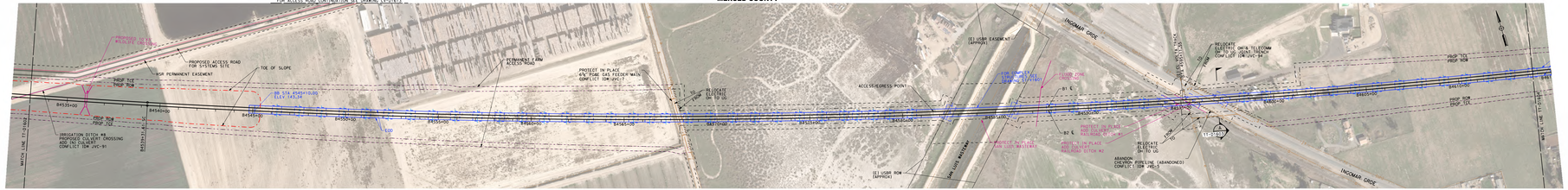
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4495+00 TO B4533+00

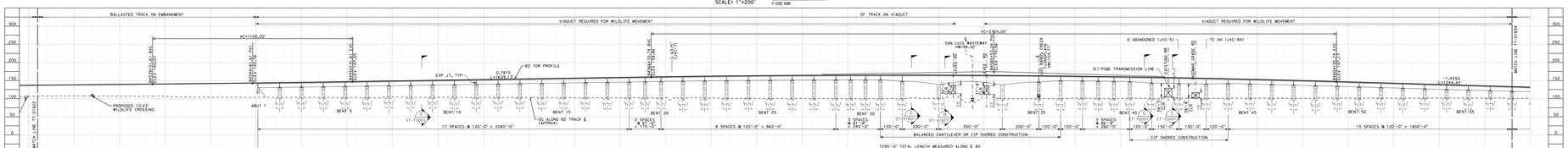
CONTRACT NO. HSR15-34
DRAWING NO. T7-D1602
SHEET NO. AS SHOWN
DRAWING NO. BM-TH

CADFILE: D:\Projects\SJ_to_Merced_EIR\Drawings\Alt1\Book1B\T7-D1602.dgn
DATE: 4/30/2019 TIME: 10:47:11 AM

MERCED COUNTY

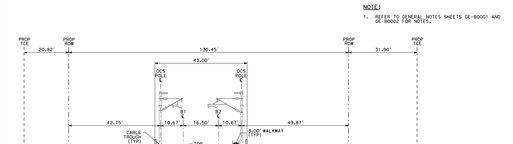


PLAN
SCALE: 1"=200'
0 100 200 400
1"=200' HOR



PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT

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



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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 47 OF 193

RECORD PDFS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway Suite 1200 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-01603
SHEET NO.	47
AS SHOWN	
DATE PLOTTED	

MERCED COUNTY

PLAN

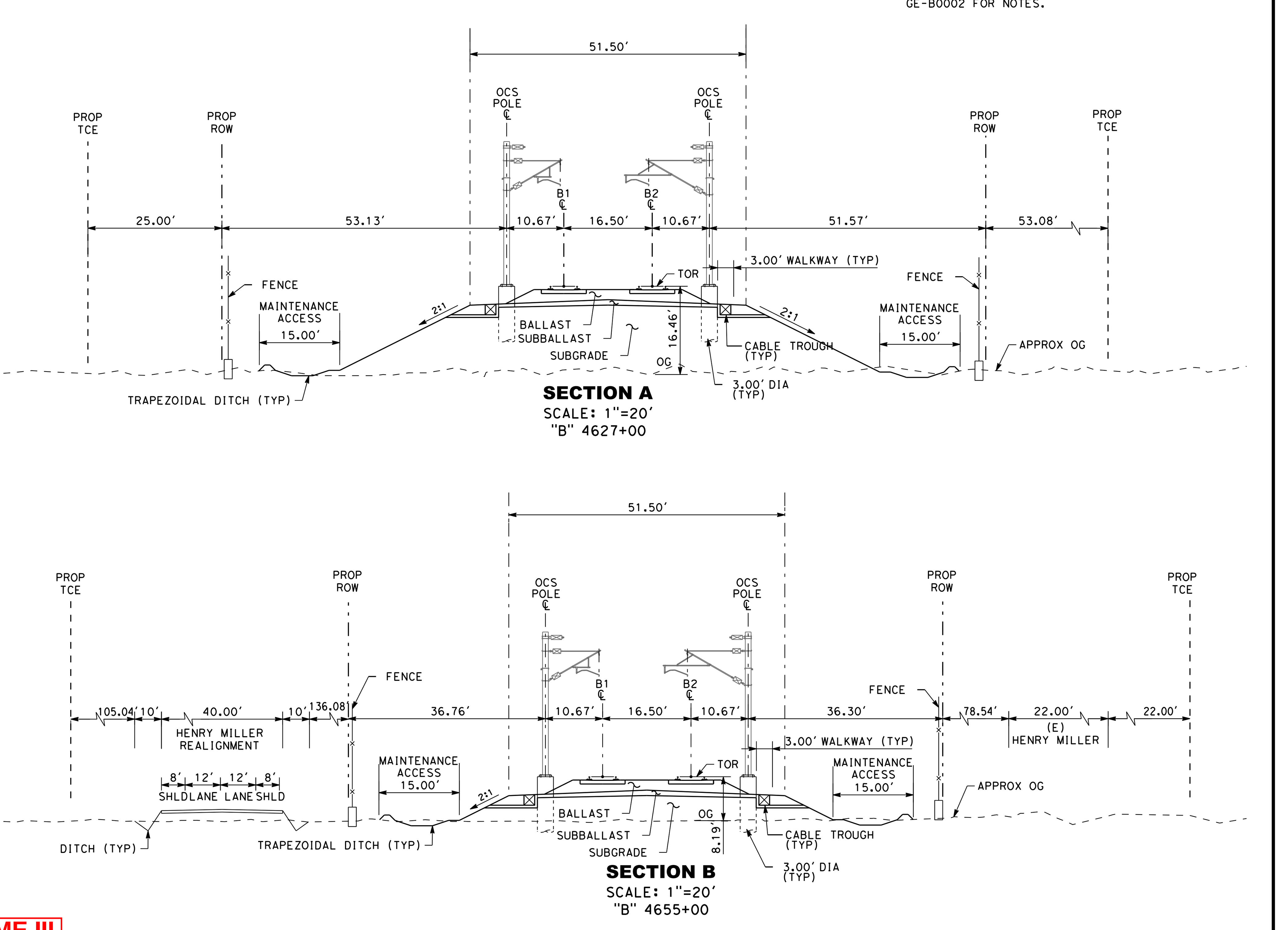
SCALE: 1"=200'

PROFILE

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

NOTE:

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



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 48 OF 193

RECORD PEPD SUBMITTAL

MAY 3, 2019

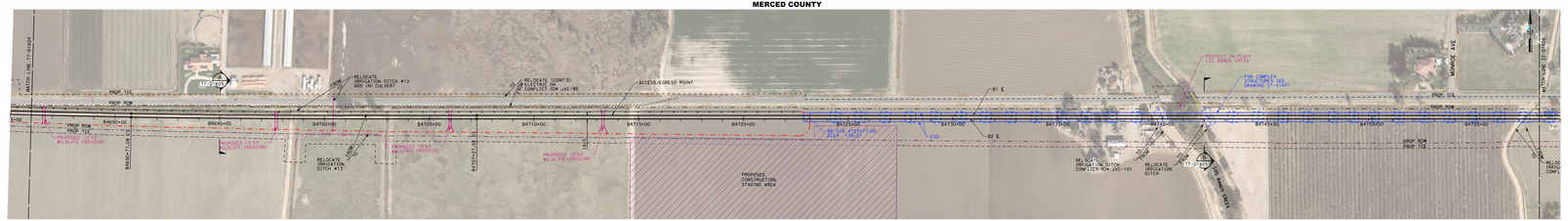
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

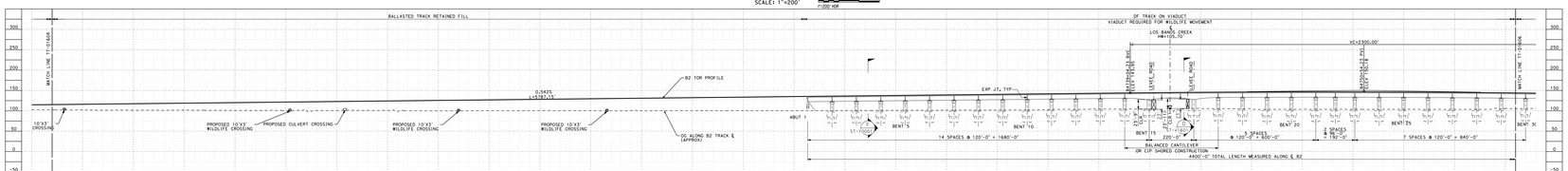
CALIFORNIA High-Speed Rail Authority

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

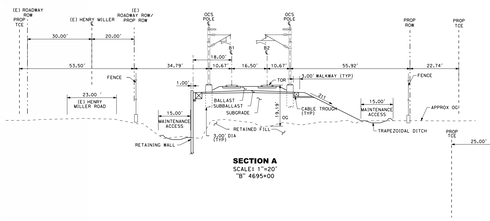
CONTRACT NO.	HSR15-34
DRAWING NO.	TT-D1604
SCALE	AS SHOWN
SHEET NO.	



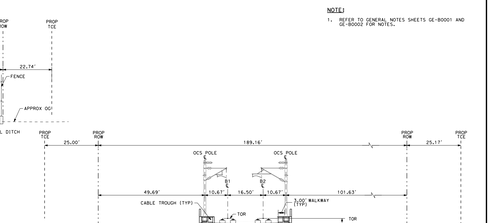
PLAN
SCALE: 1"=200'



PROFILE
SCALE: 1"=200' HOR, 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 49 OF 193

RECORD PDFC SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

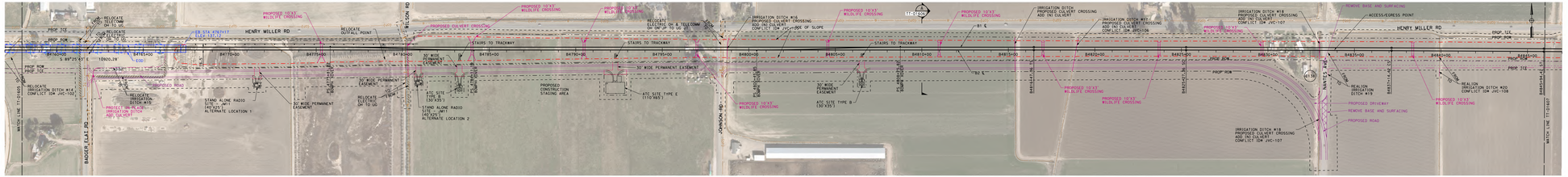
HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

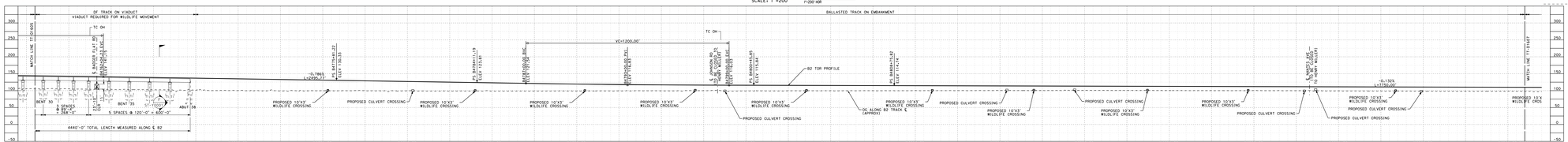
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4686+00 TO B4769+00

CONTRACT NO. HSR15-34
DRAWING NO. T1-D1605
SHEET NO. AS SHOWN
DATE

MERCED COUNTY



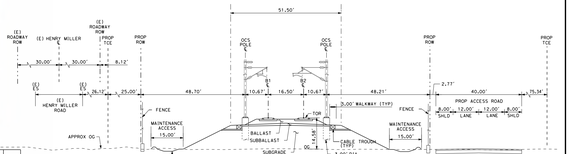
PLAN
SCALE: 1"=200'



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

NOTE!

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



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

SAN JOSE TO CVY EIRIS: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 50 OF 193

RECORD PDFS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

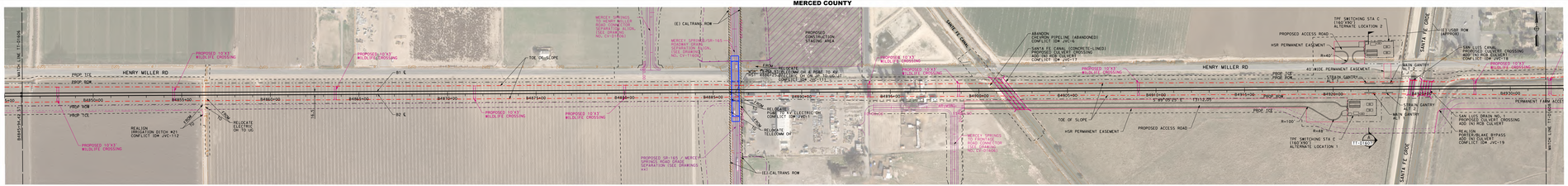
HNTB
111 Broadway Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

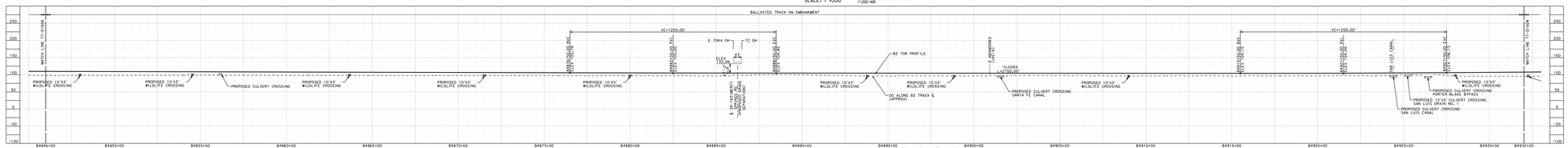
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B4758+00 TO B4846+00

CONTRACT NUMBER	HSR15-34
DESIGN ID	TT-01606
SHEET NO.	50
AS SHOWN	

MERCED COUNTY



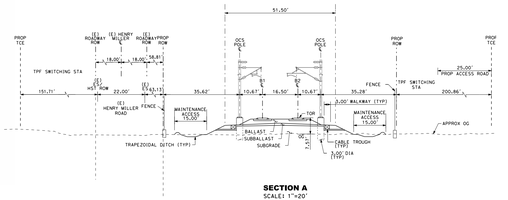
PLAN
SCALE: 1"=200'



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

NOTE!

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

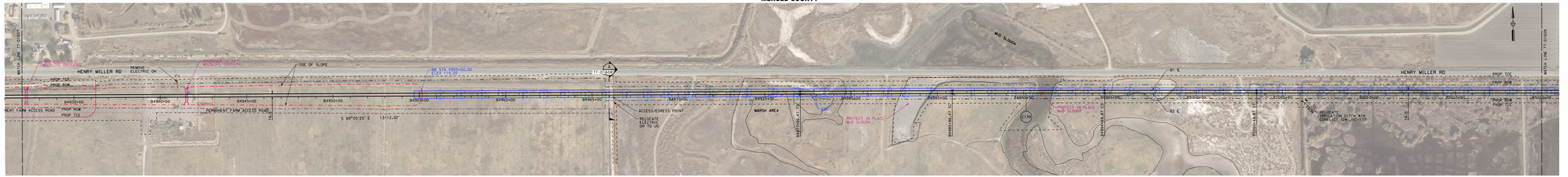


SECTION A
SCALE: 1"=20'
"B" 4922+00

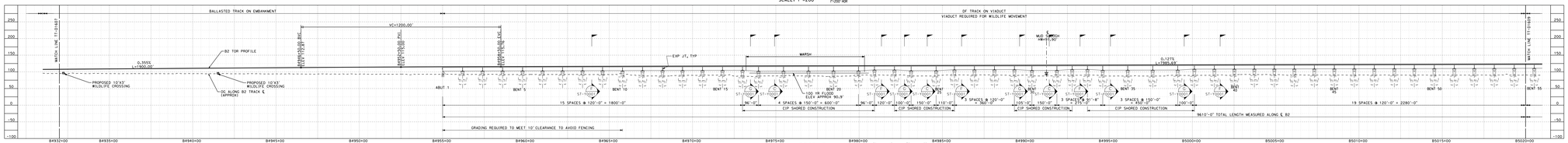
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 51 OF 193

RECORD PDPO SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 351 California Street, Suite 700 Oakland, CA 94611	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-01607 SHEET NO. 1 AS SHOWN DATE

MERCED COUNTY



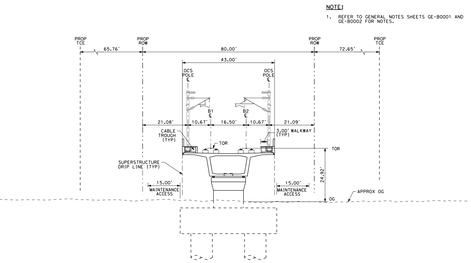
PLAN
SCALE: 1"=200'



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" 4966+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 52 OF 193

RECORD PSPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
555 Montgomery Street, Suite 1300 Oakland, CA 94612

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 NUMBER: HSR15-34
DRAWING NUMBER: TT-01608
SHEET NUMBER: AS SHOWN
DATE: 04/19

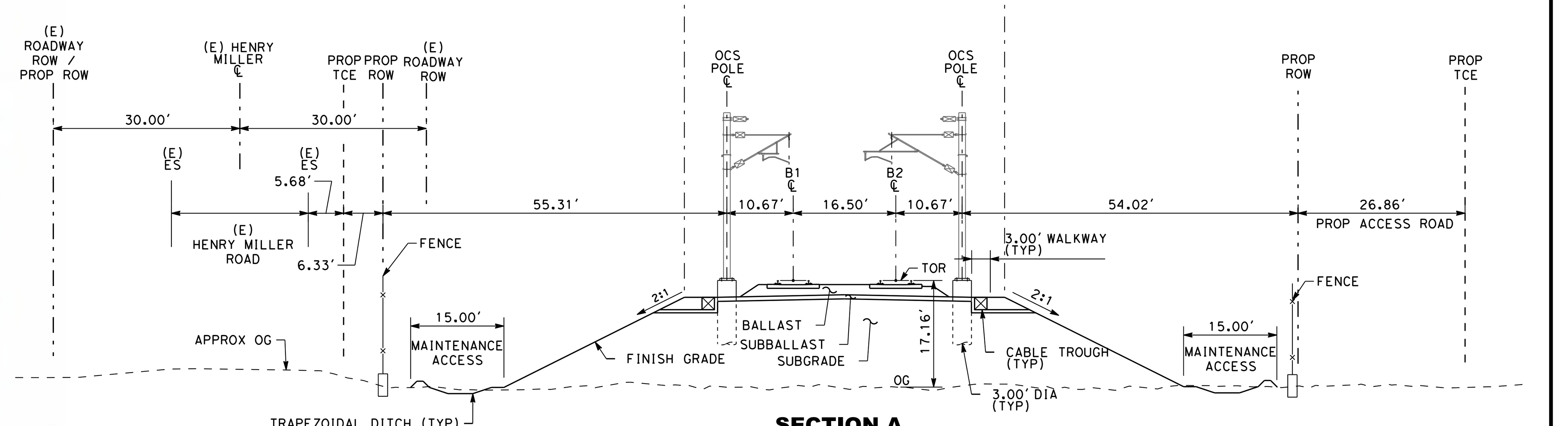
MERCED COUNTY

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.

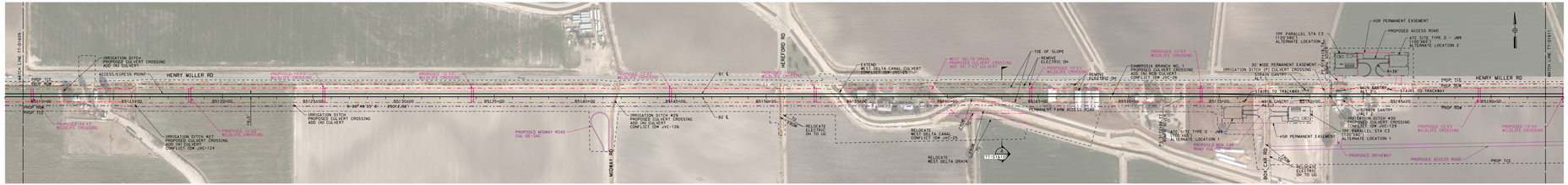


SECTION A
SCALE: 1"=20'
"B" 5070+00

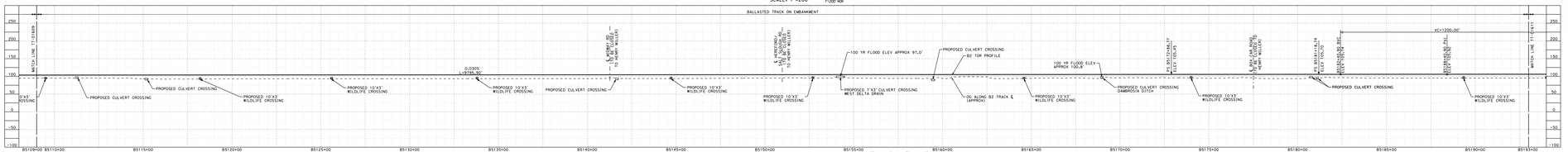
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 53 OF 193

RECORD PEPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B5020+00 TO B5109+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1609 SCALE AS SHOWN SHEET NO.

MERCED COUNTY

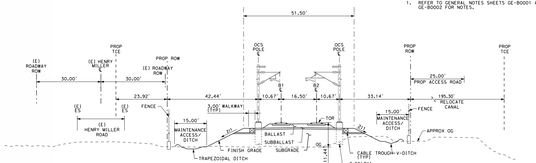


PLAN
SCALE: 1"=200'



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" 5163+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 54 OF 193

RECORD PSPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

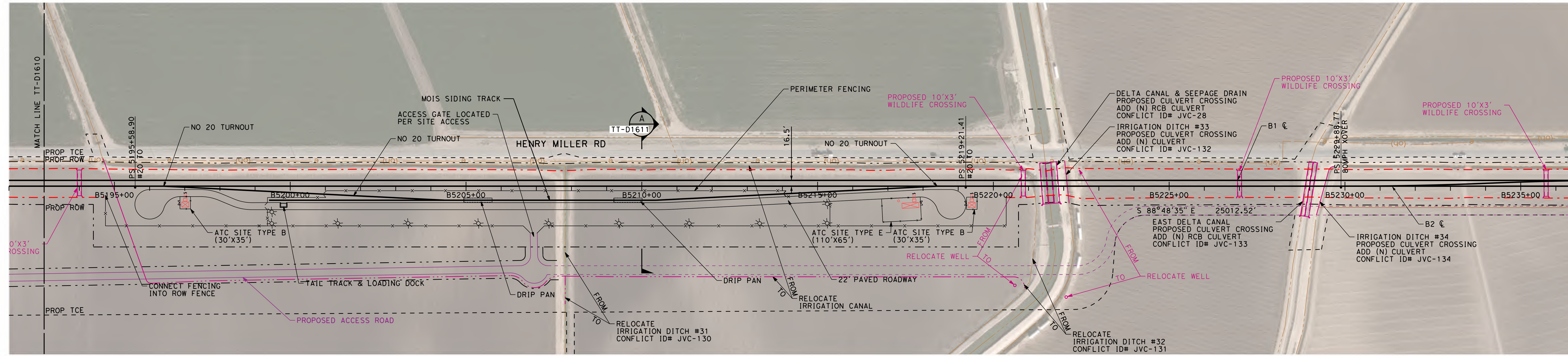
HNTB
111 Broadway Suite 1200 Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

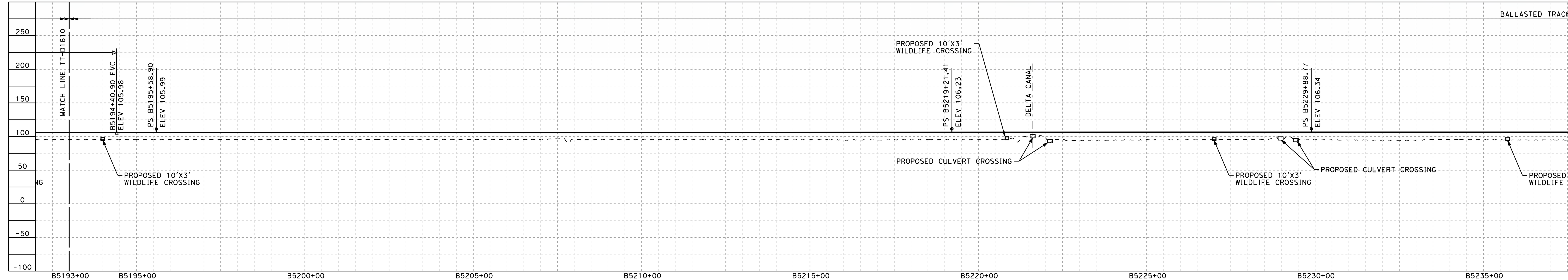
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
B5109+00 TO B5193+00

DRAWING NO. HSR15-34
SHEET NO. TT-01610
SCALE AS SHOWN
REV NO.

MERCED COUNTY



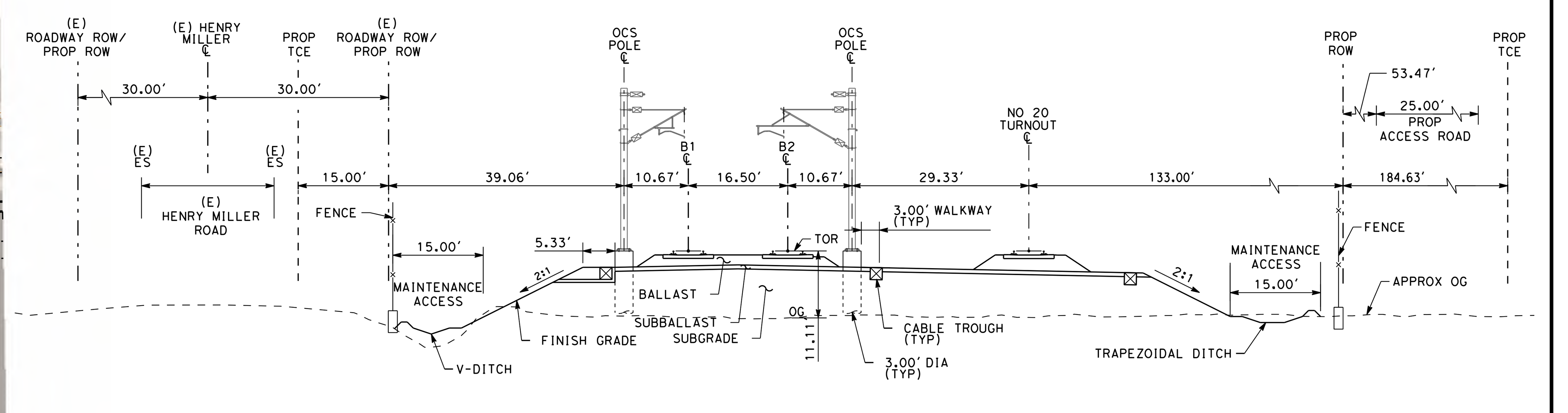
PLAN
SCALE: 1"=200'



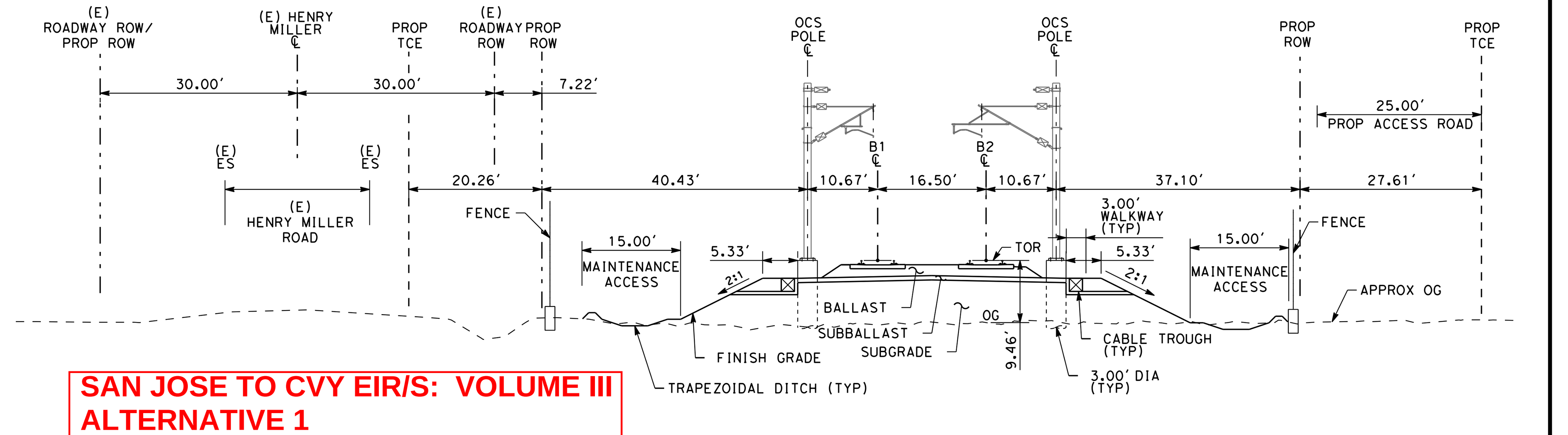
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

NOTE:

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



SECTION A
SCALE: 1"=20'
"B" 5210+00



SECTION B
SCALE: 1"=20'
"B" 5270+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 55 OF 193

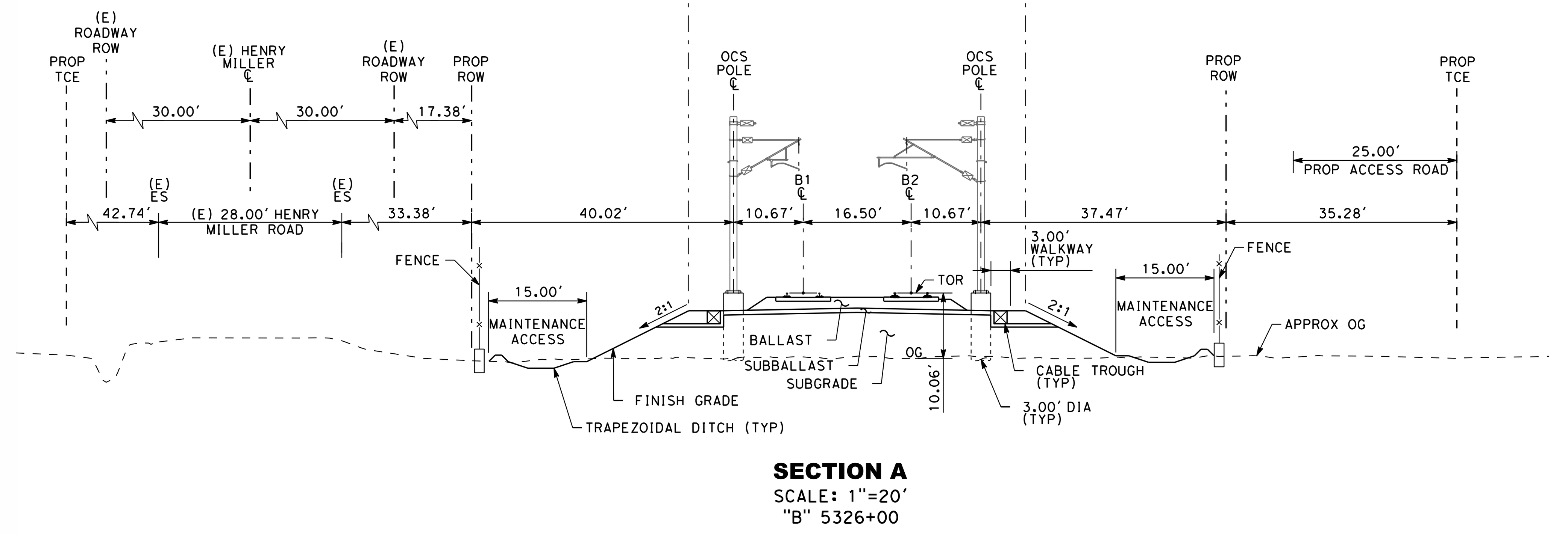
RECORD PEPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	**CALIFORNIA HIGH-SPEED TRAIN PROJECT** **SAN JOSE TO MERCED** SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B5193+00 TO B5282+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1611 SCALE AS SHOWN SHEET NO.

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" 5326+00

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 56 OF 193

RECORD PEPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPOSITE PLAN, PROFILE AND CROSS SECTIONS B5282+00 TO B5337+28.93	CONTRACT NO. HSR15-34 DRAWING NO. TT-D1612 SCALE AS SHOWN SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 57 OF 193

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)
- 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)
- Bike Parking (Proposed)
- Bus Stop (Existing)
- Bus Stop (12-15 Proposed)
- New Signalized Intersection
- (E) Existing
- (P) Proposed
- Bollards

Los Gatos Creek Trail (E)
Los Gatos Creek Trail (P)
W San Fernando St
Josefa St
Autumn St
Santa Clara St
BART
BART Option - North Alignment
Stover St
Crandall St
S Montgomery St
SAP Center
VTA BRT (E)
Parking to be removed (148 Caltrain sp., 17 ADA sp., 61 Amtrak sp.)
Station Square (Planned Per Diridon Station Area Plan)
Existing Transit Center to be Relocated to On-Street (Cahill, Stover, Crandall)
Remove existing Pickup/Drop-off
Otterson St
Building Services & Plant Rooms
Historic Car Cleaners Shack to be Removed
Cahill St
N Montgomery St
Historic Iron Fence/Wall (E)
Historic Underpass Caltrans Bridge # 37-0045 (E)
Systems ATC Site Type IB
Historic Southern Pacific Depot (E)
PG&E Substation
165 Parking sp (Caltrain) ~ 2 AC
HSR Platform (1410')
HSR Platform (1410')
61 Parking sp. (Amtrak) 0.4 AC
White St
Historic Butterfly Sheds (E)
VTA Light Rail Platforms (E)
Improve for Pedestrian, Bicycle and Emergency Vehicle Access Only
Platform, Concourse, Circulation and Building Services & Plant Rooms Under Study
Julian St
Stockton Ave
Bush St
The Alameda
Park Ave
Laurel Grove Ln
Wilson Ave
0 100 400 ft

REV	DATE	BY	CHK	APP	DESCRIPTION

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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
GENERAL SITE PLAN

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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 58 OF 193

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

SAP Center

BART Option North Alignment (Below Grade)

Historic Underpass Caltrans Bridge # 37-0045 (E)

Systems ATC Site Type F

*61 Parking sp. (Amtrak) ~ 0.4 AC

Improve for Pedestrian, Bicycle and Emergency Vehicle Access Only

Historic Southern Pacific Depot (E)

Platform, Concourse, Circulation and Station Facilities Under Study

Historic Butterfly Sheds (E)

Bike Parking

Building Service & Plant Rooms

Historic Car Cleaners Shack (To be Removed)

PG&E Substation

VTA Light Rail Platforms

HSR Platforms (14 10', El. +60.50')

*165 Parking sp. (Caltrain) ~ 2 AC

Autumn St
S Montgomery St
White St
Bush St
Cahill St
Laurel Grove Ln
Wilson Ave
N Montgomery St
Julian St
Stockton Ave
Santa Clara St
The Alameda
Stover St
Crandall St
Otterson St
W San Fernando St
Josefa St
Park Ave
BART

0 100 400 ft

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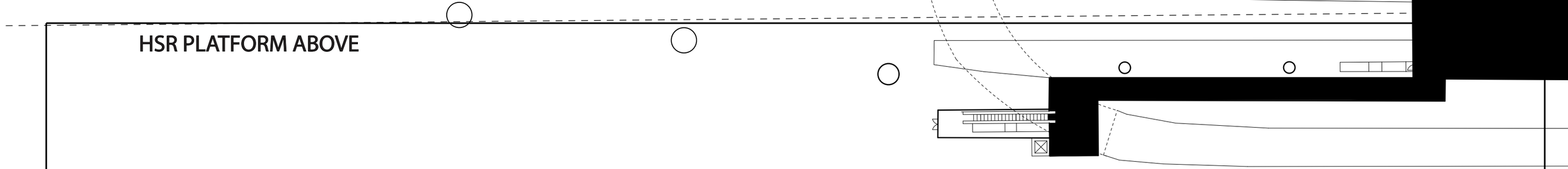
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO I-880
SAN JOSE DIRIDON STATION
DETAILED SITE PLAN

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 59 OF 193

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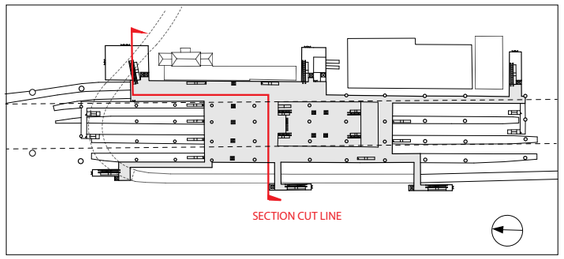
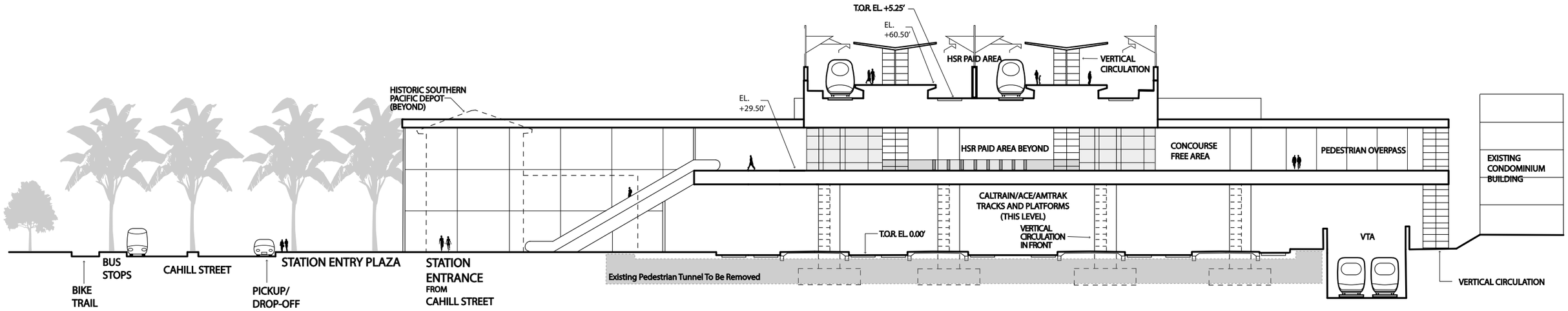
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
CONCOURSE PLAN

CONTRACT NO.
HSR15-34
DR-WING NO.
-R-F0101
SC-LE
-S SHOWN
SHEET NO.





SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 60 OF 193

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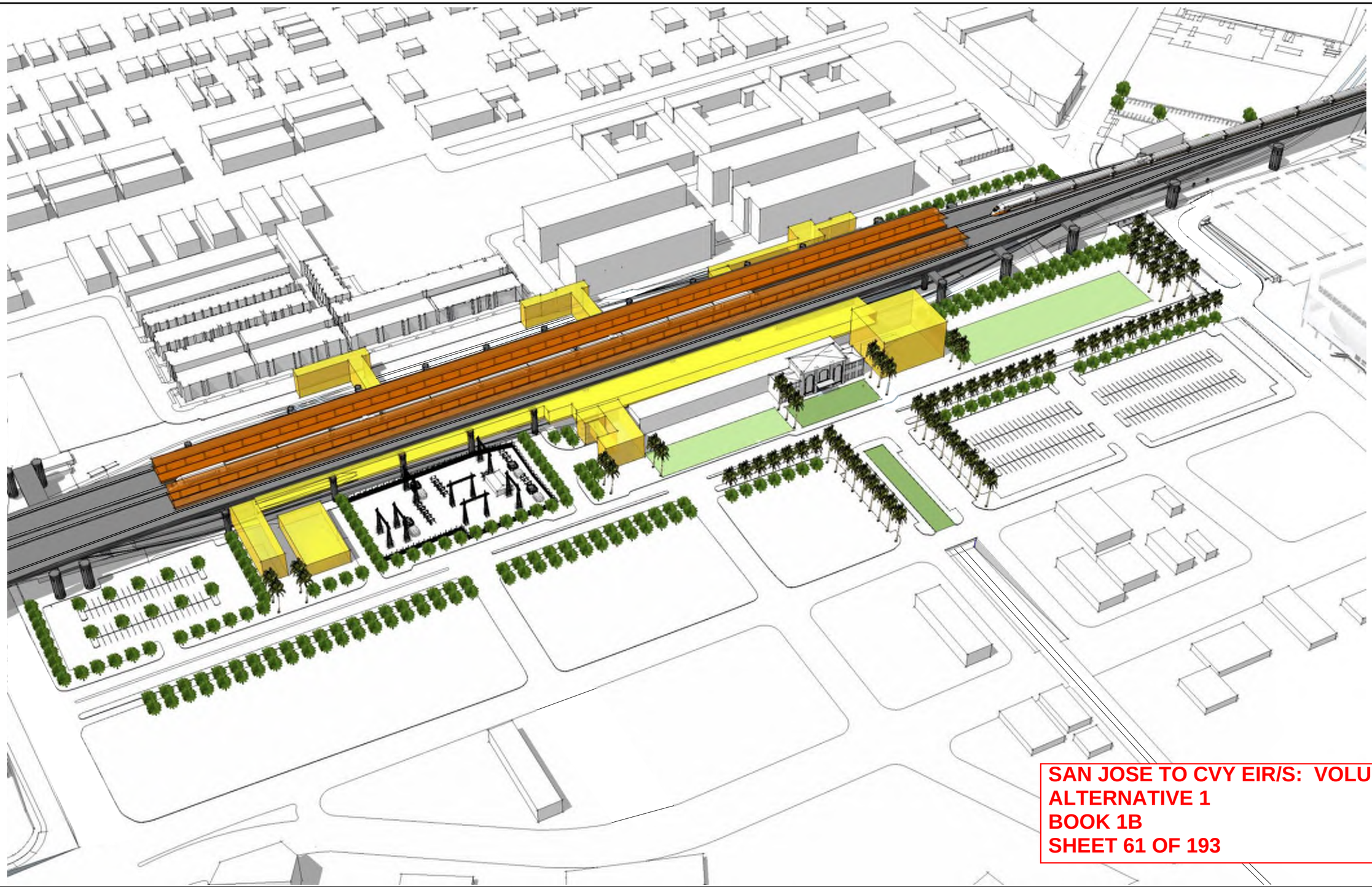
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
SECTION

CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0101
SC-LE -S SHOWN
SHEET NO.



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 61 OF 193

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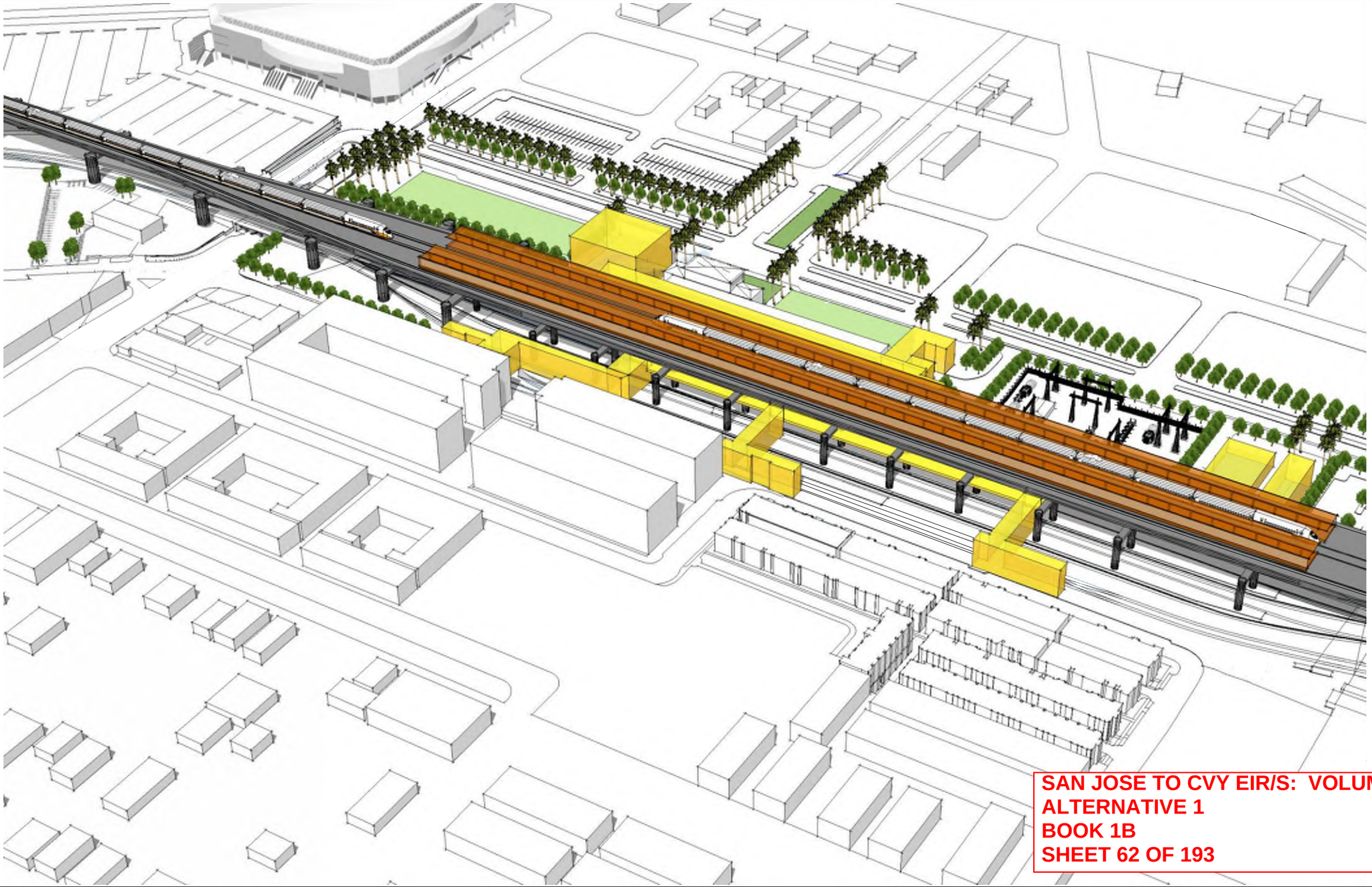
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
MASSING DIAGRAM 1

CONTRACT NO.
HSR15-34
DR-WING NO.
-R-Y0102
SC-LE
-S SHOWN
SHEET NO.



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ALTERNATIVE 1
BOOK 1B
SHEET 62 OF 193

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
MASSING DIAGRAM 2

CONTRACT NO.
HSR15-34
DR-WING NO.
-R-Y0103
SC-LE
-S 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	14.3.4 Public Restrooms
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 63 OF 193

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
F-CILITY SIZING T-BLE

CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0104
SC-LE -S SHOWN
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	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 64 OF 193

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S-N JOSE DIRIDON ST-TION
F-CILITY SIZING T-BLE

CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0105
SC-LE -S SHOWN
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
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 Survices & 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 65 OF 193

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
S-N JOSE DIRIDON ST-TION -PPRO-CH
VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
F-CILITY SIZING T-BLE

CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0106
SC-LE -S SHOWN
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 66 OF 193

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VI-DUCT TO I-880
S-N JOSE DIRIDON ST-TION
F-CILITY SIZING T-BLE

CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0107
SC-LE -S SHOWN
SHEET NO.

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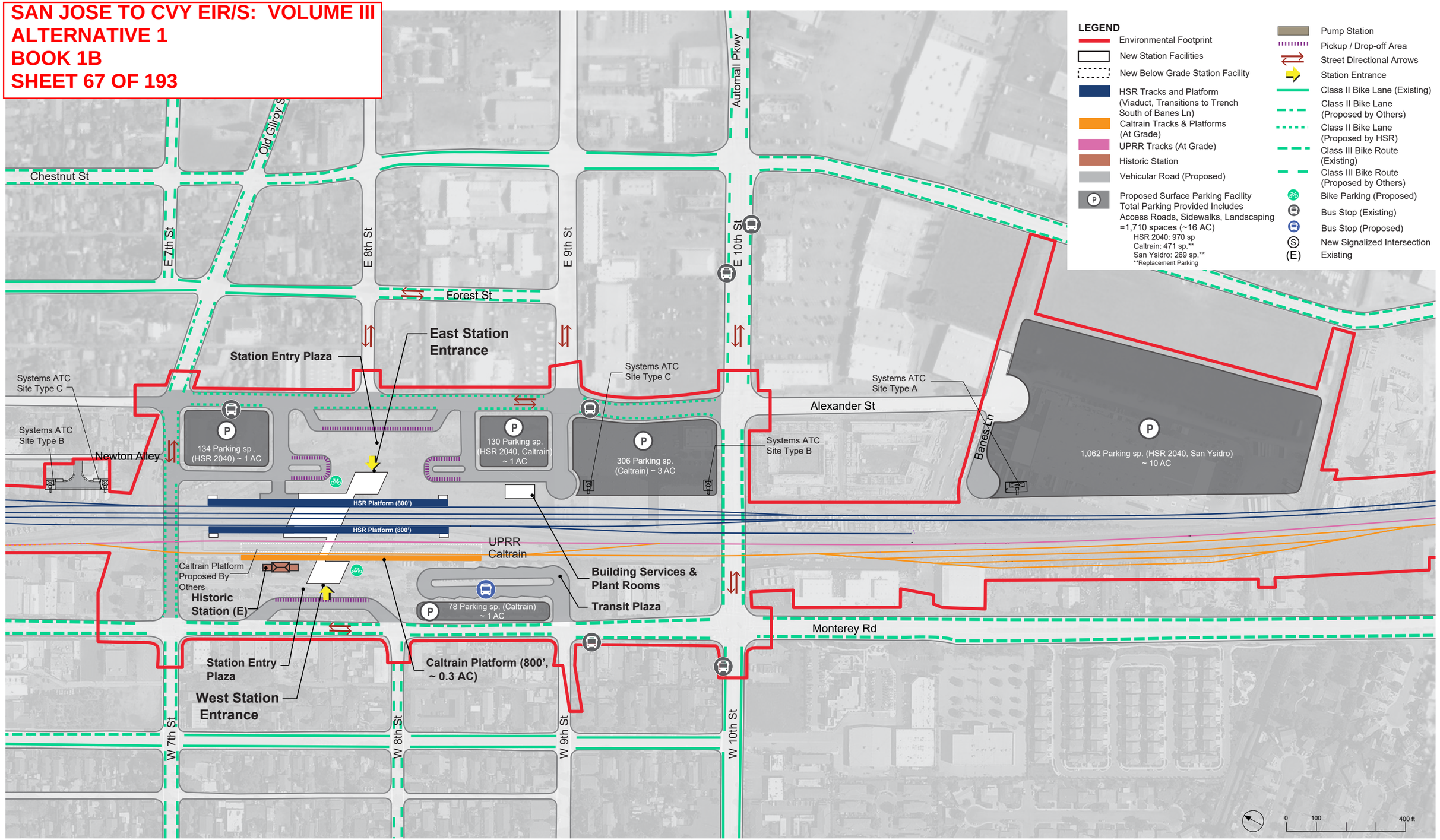
BOOK 1B
SHEET 67 OF 193



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DOWNTOWN GILROY ST-TION
GENER-L SITE PL-N

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ALTERNATIVE 1
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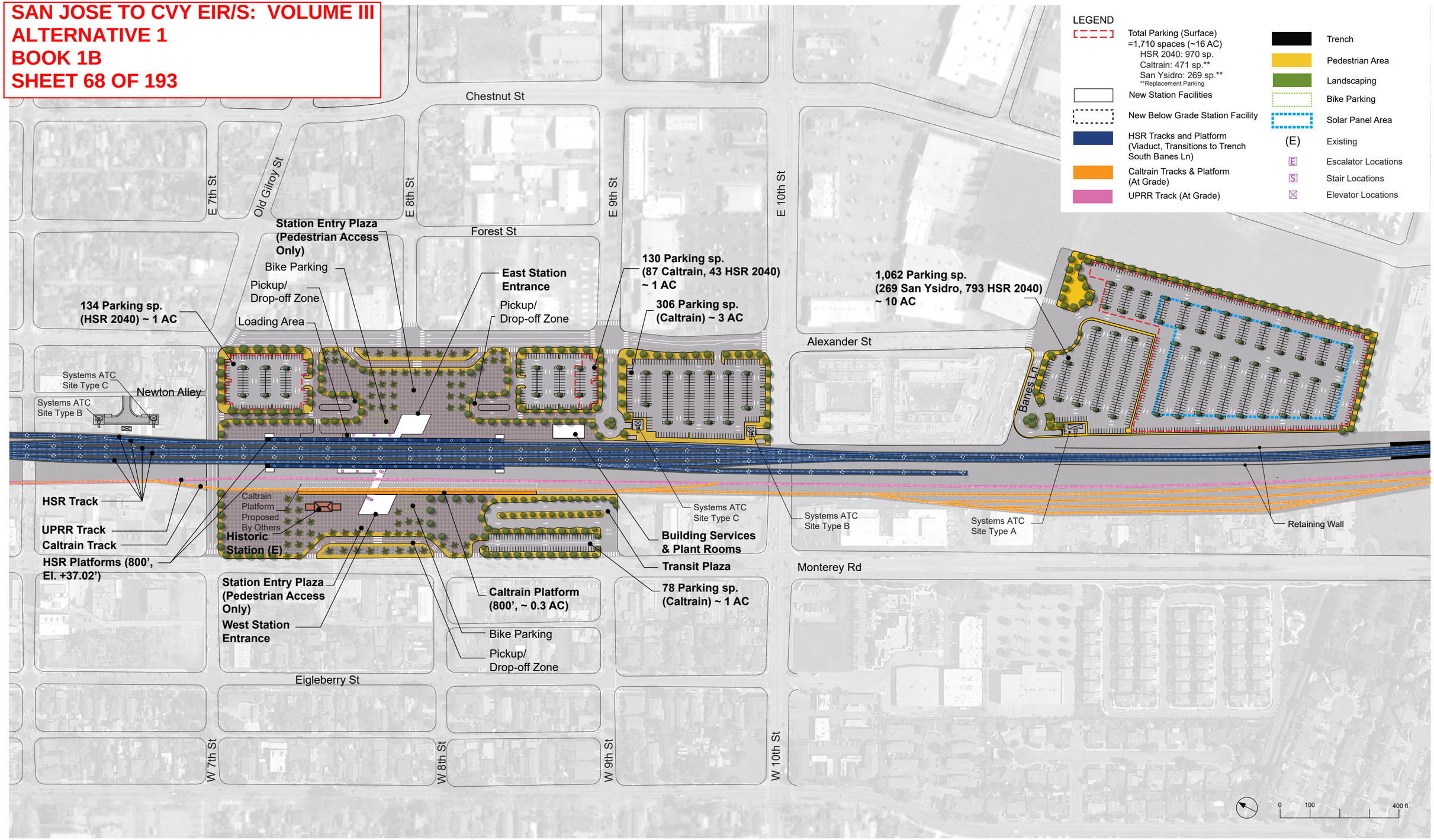

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DOWNTOWN GILROY ST-TION
DET-ILED SITE PL-N

CONTRACT NO. HSR15-34
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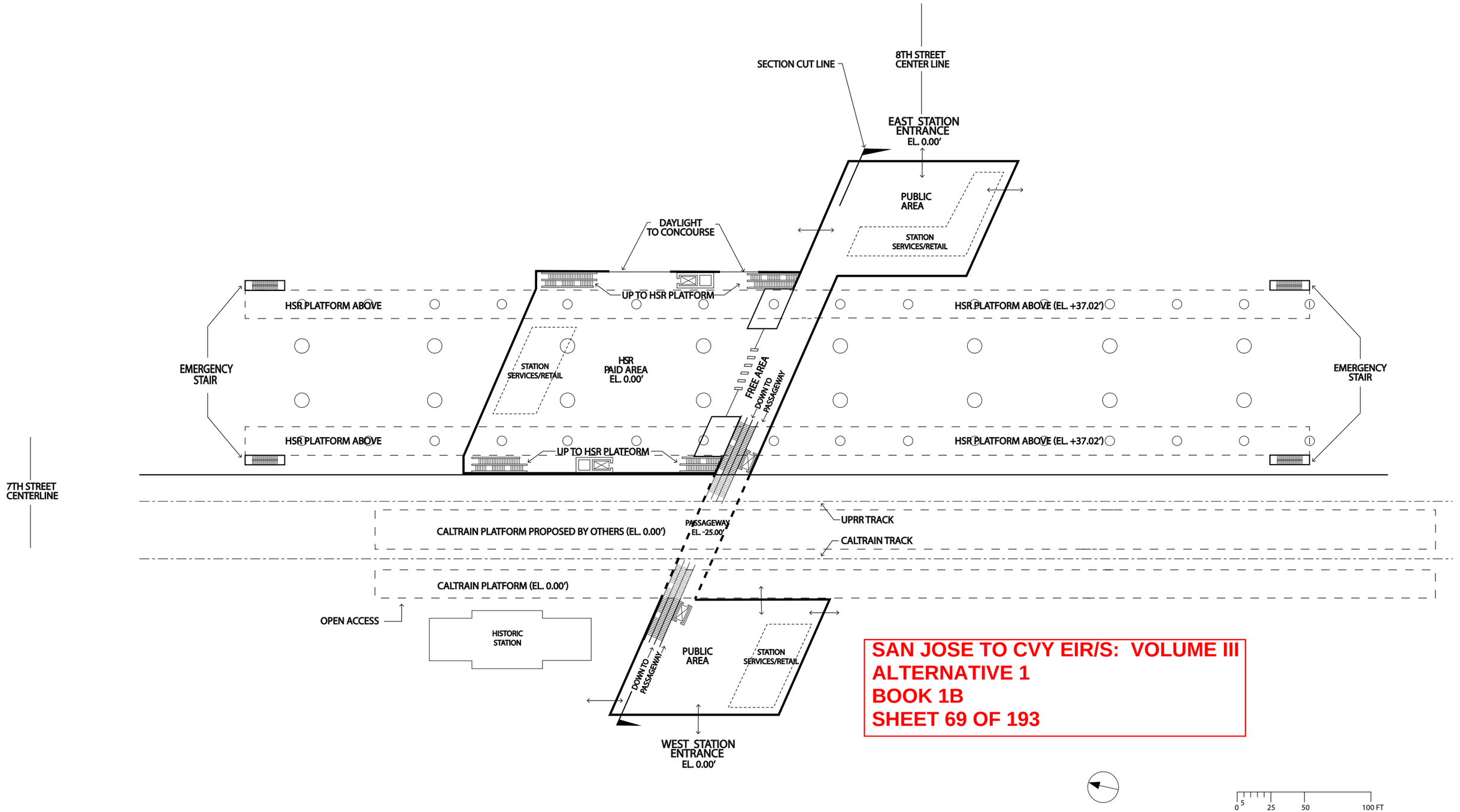
SHEET NO.



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ALTERNATIVE 1
BOOK 1B
SHEET 69 OF 193

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VI-DUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY ST-TION
CONCOURSE PL-N

CONTRACT NO. HSR15-34
DR-WING NO. -R-F0901
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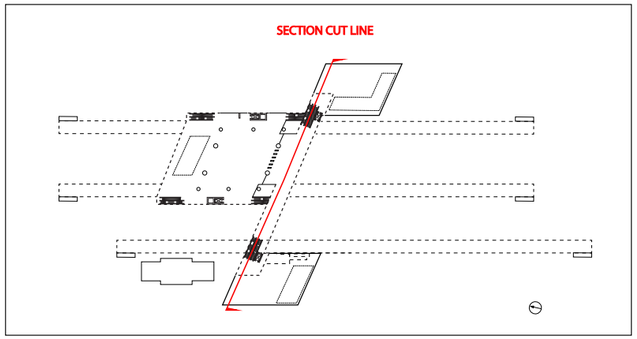

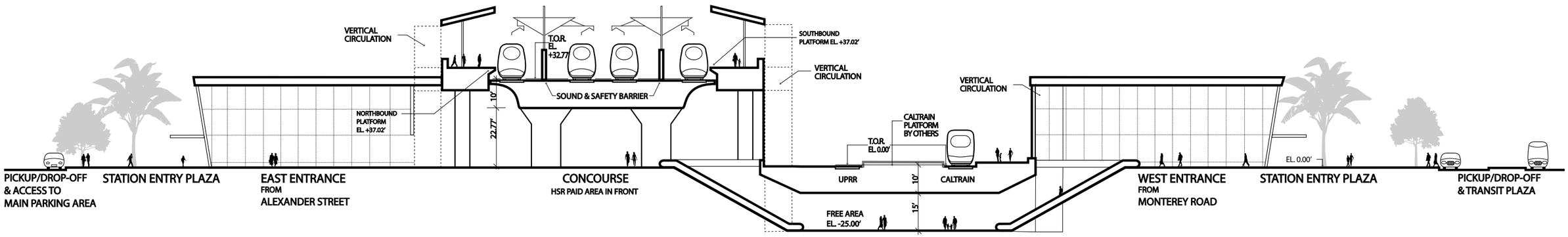

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SHEET 70 OF 193

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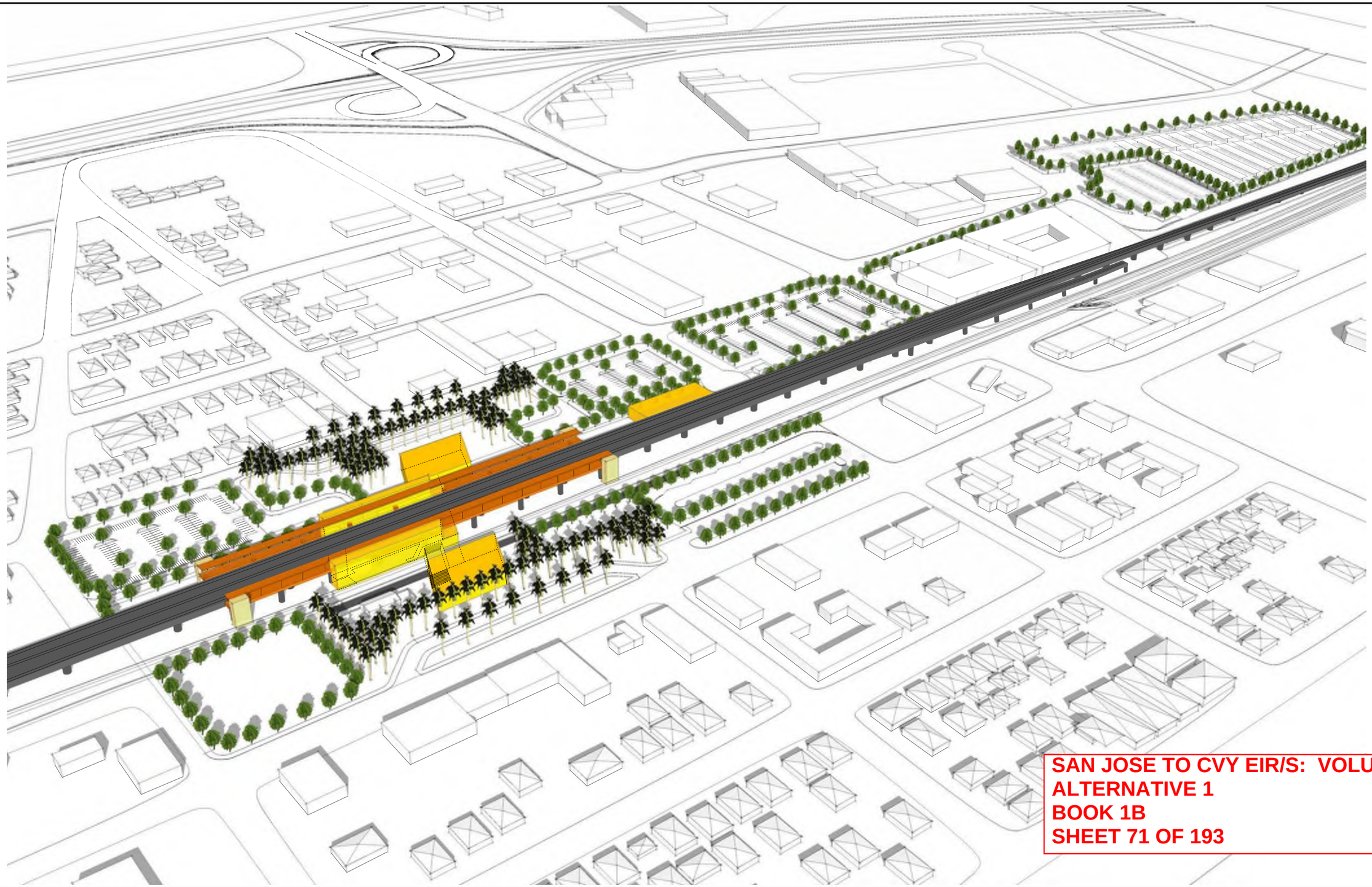

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ALTERNATIVE 1
BOOK 1B
SHEET 71 OF 193

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DOWNTOWN GILROY ST-TION
MASSING DIAGRAM 1

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SHEET 72 OF 193

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DOWNTOWN GILROY ST-TION
MASSING DIAGRAM 2

CONTRACT NO. HSR15-34
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Downtown Gilroy Station - Viaduct Programming & Area Requirements Table				
Catergory	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	14.3.4 Public Restrooms
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

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CONTRACT NO. HSR15-34
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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 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)	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	

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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 75 OF 193

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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 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					

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CHECKED BY
IN CH-RGE
D-TE

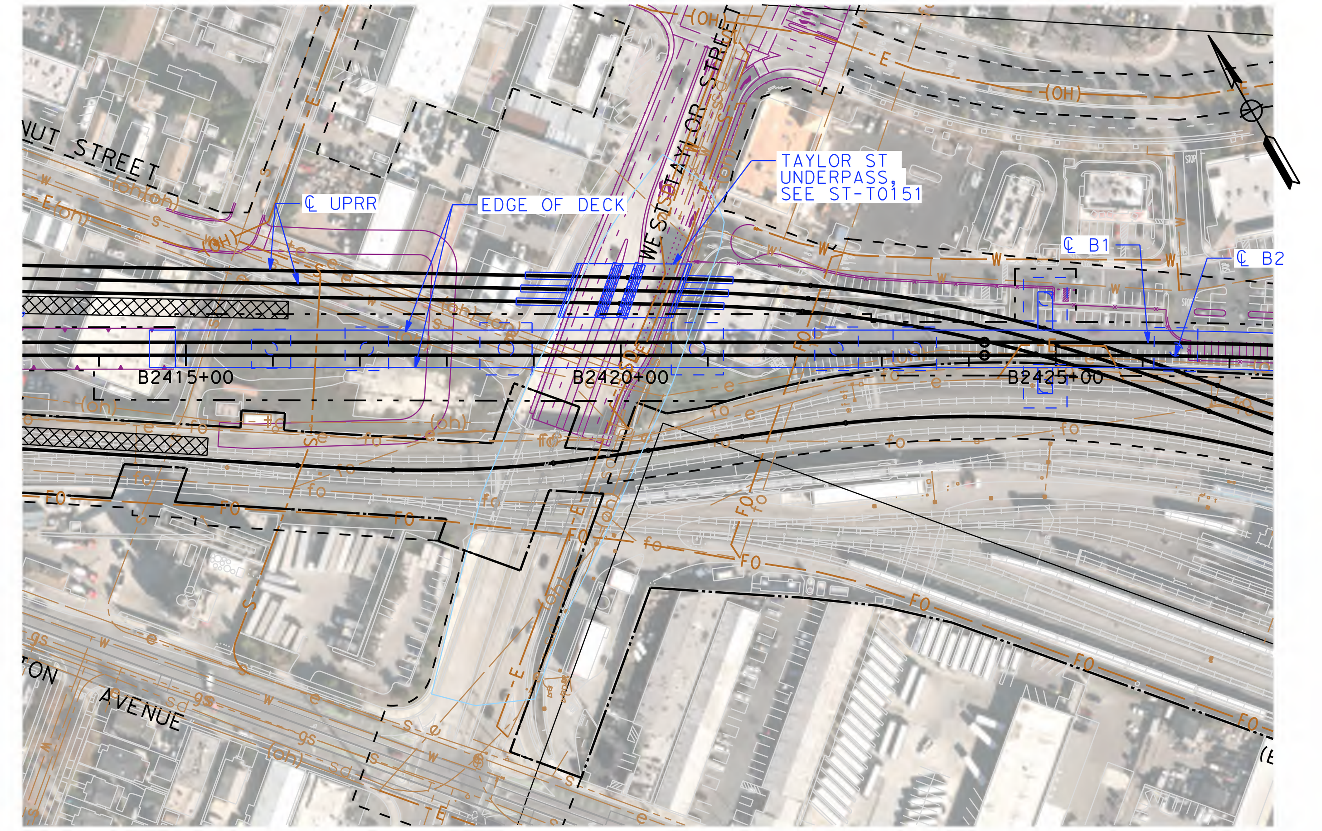
RECORD PEPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

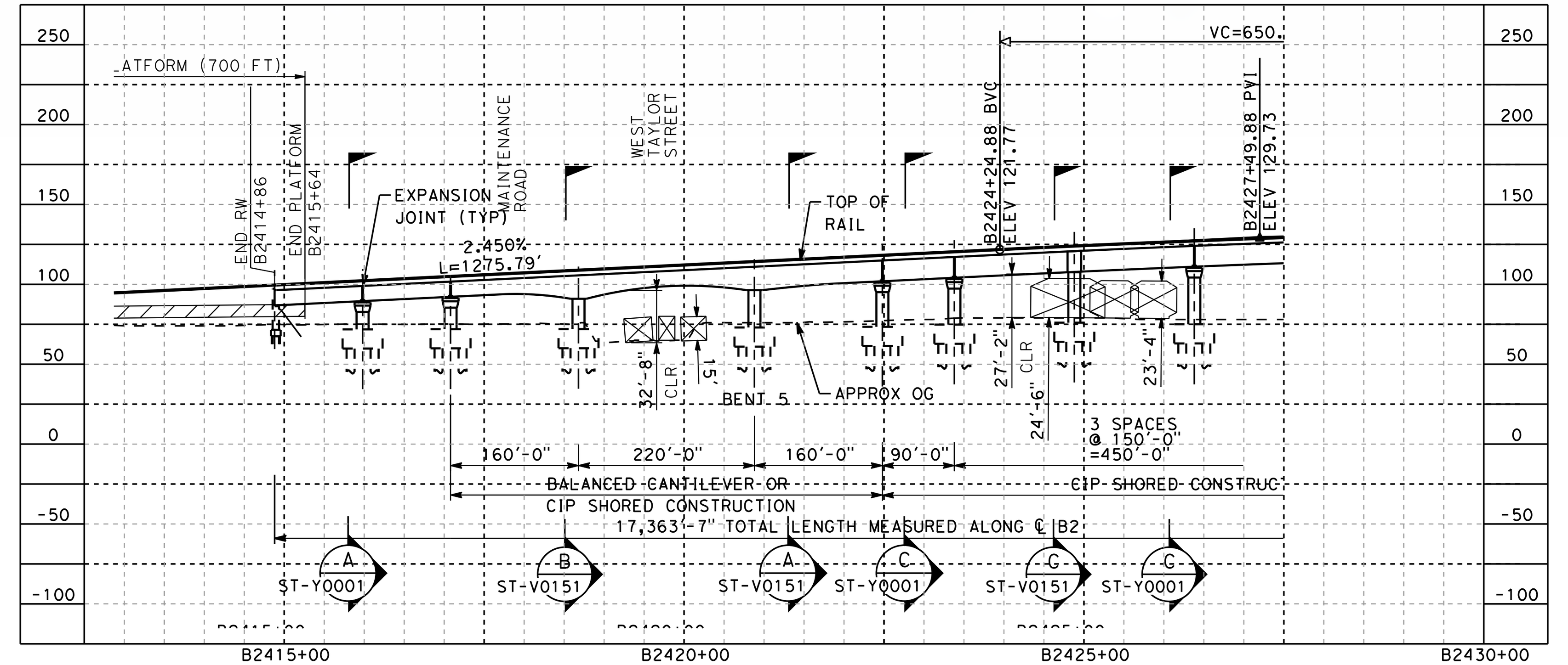
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORG-N HILL -ND GILROY
VI-DUCT TO DOWNTOWN GILROY
DOWNTOWN GILROY ST-TION
F-CILITY SIZING T-BLE

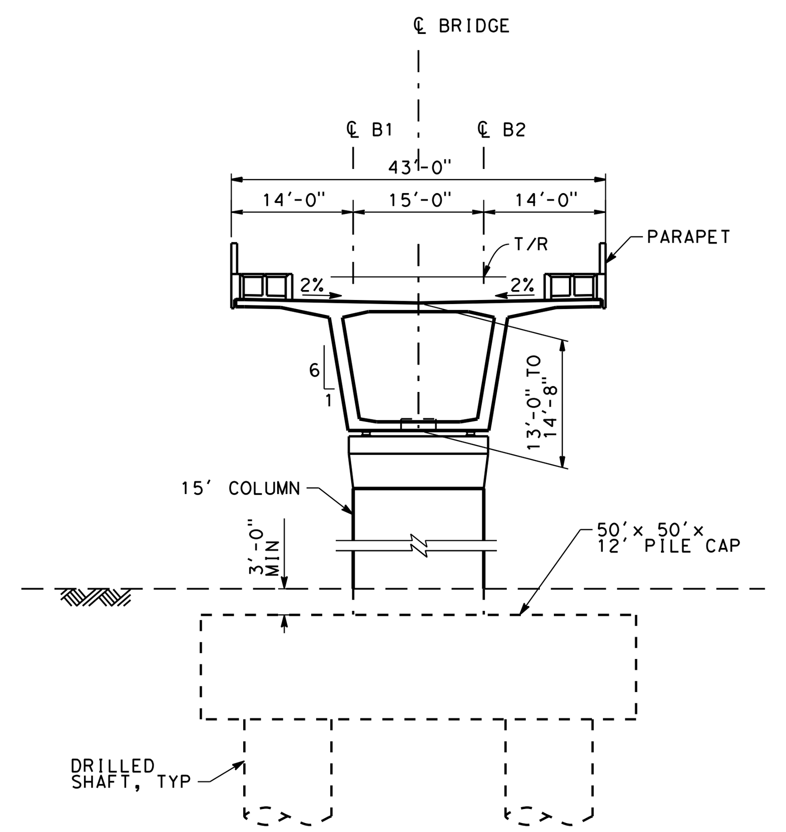
CONTRACT NO. HSR15-34
DR-WING NO. -R-Y0907
SC-LE -S SHOWN
SHEET NO.



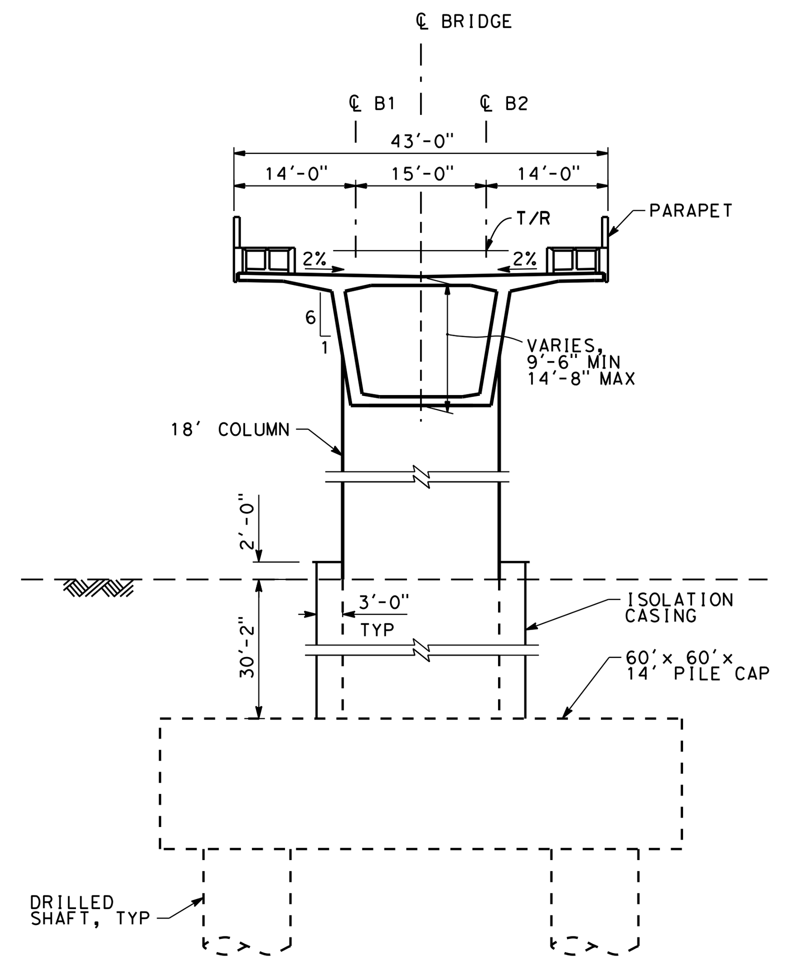
PLAN - W. TAYLOR ST.
SCALE: 1"=200'
100 0 100 200
1"=200' HOR



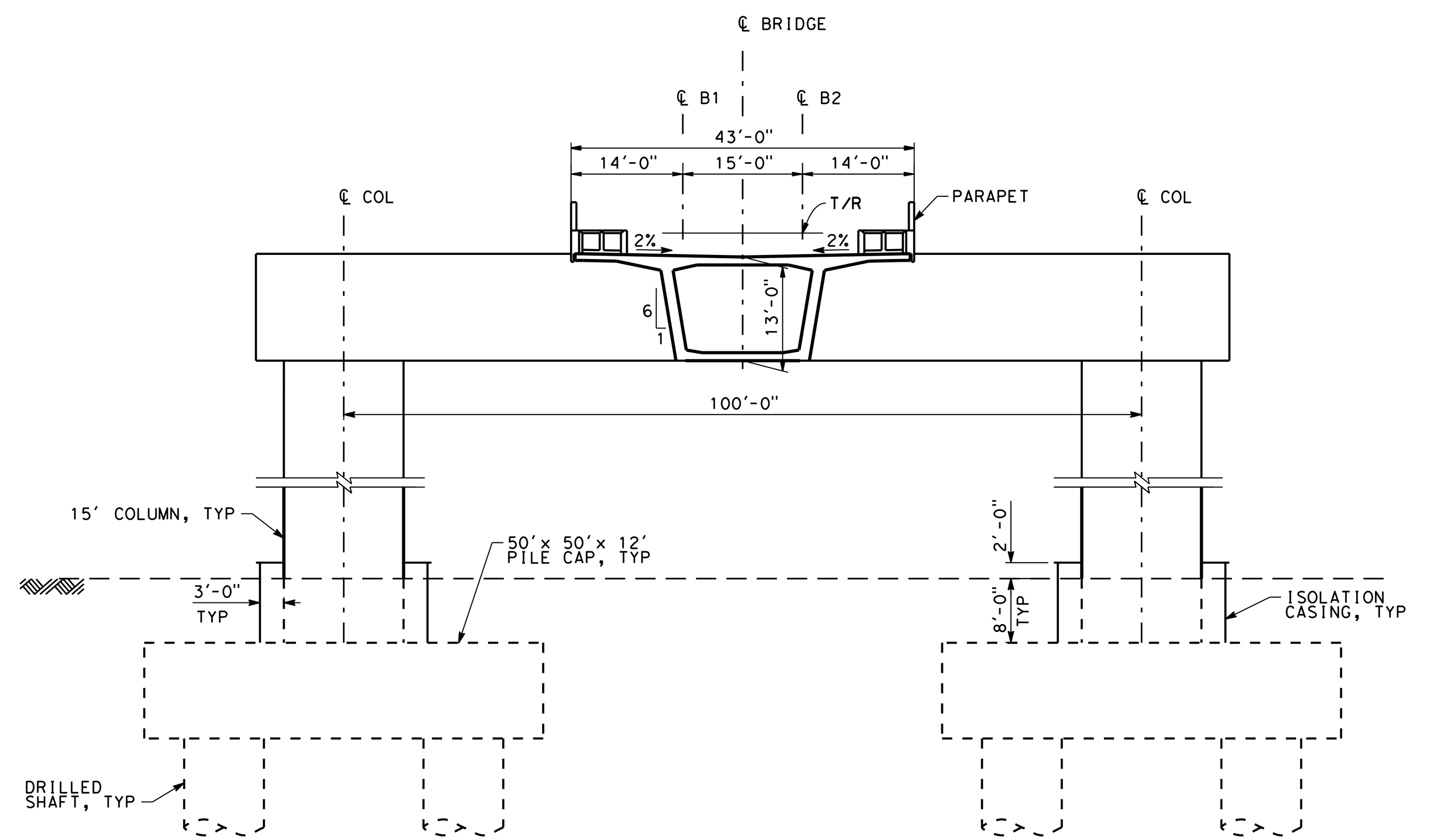
PROFILE - W. TAYLOR ST.
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT



SECTION A
SCALE 1"=20'-0"



SECTION B
SCALE 1"=20'-0"



SECTION C
SCALE 1"=20'-0"

10 0 10 20
1"=20'

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 77 OF 193

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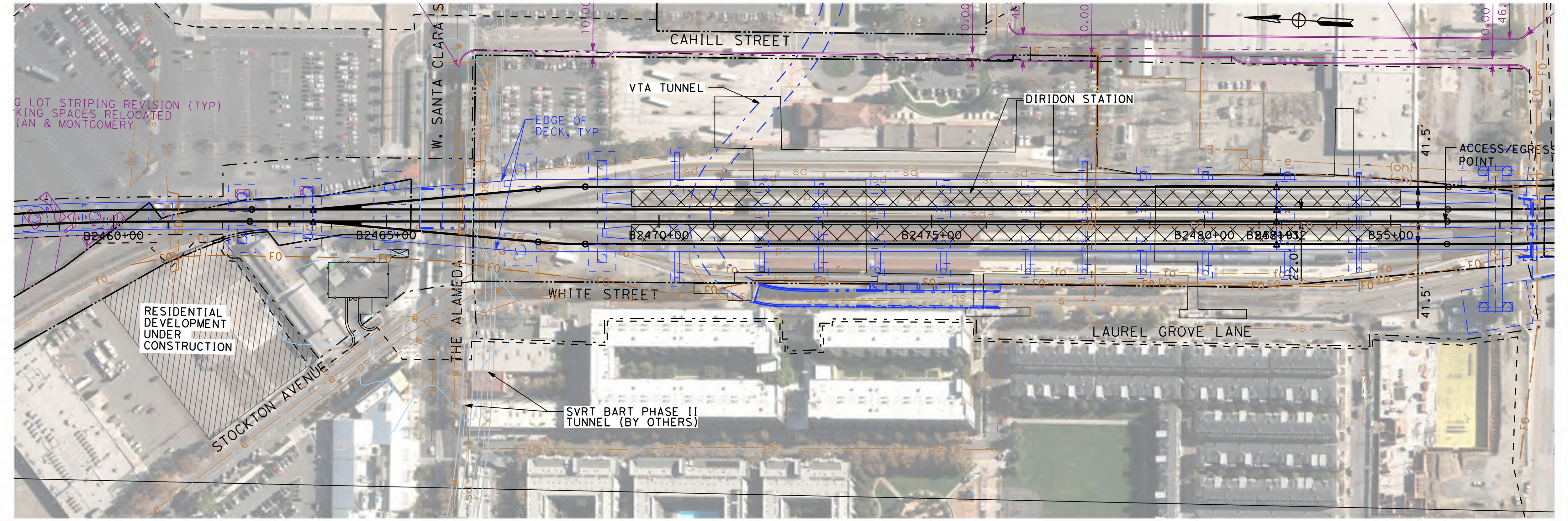
1111 Broadway
9th Floor
Oakland, CA 94607

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 1 OF 2

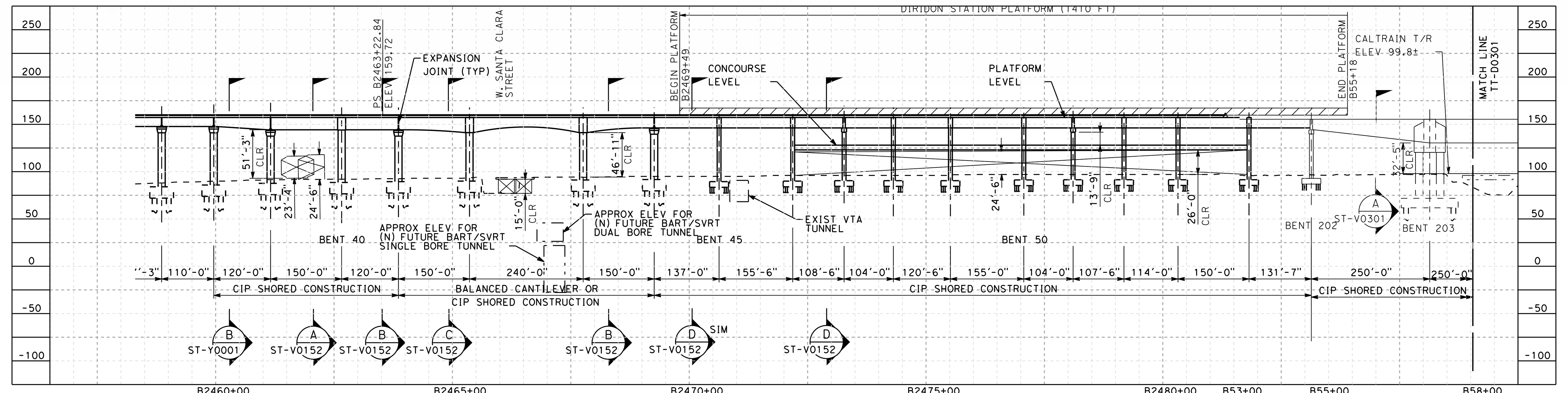
CONTRACT NO. HSR15-34
DRAWING NO. ST-V0151
SCALE AS SHOWN
SHEET NO.

rdeleon 4/30/2019 3:45:07 PM CAHSRP.tbl cvd_pdf_bw.pltcfg c:\caddlib\pw\rdeleon\46037_cahsr\dms17856\FJ-RP-ST-V0151.dgn



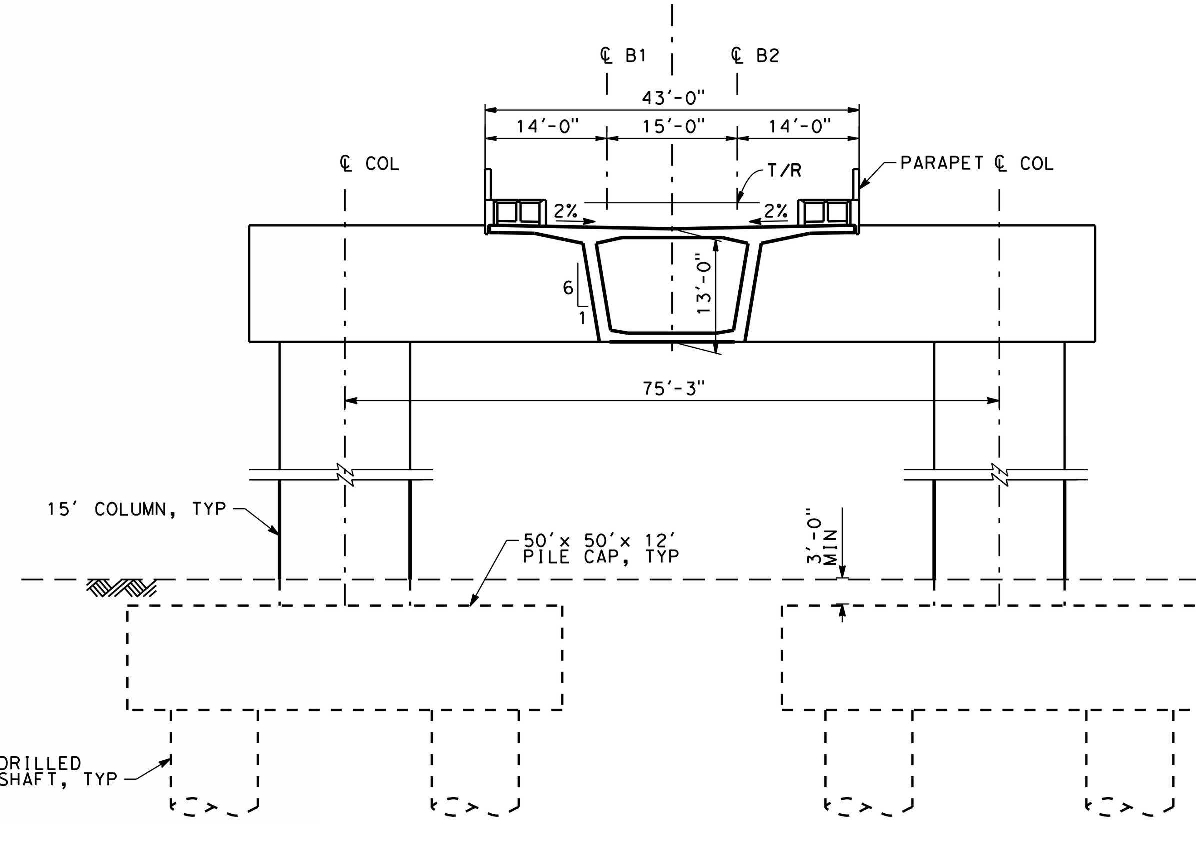
PLAN - W. SANTA CLARA ST AND DIRIDON STATION

SCALE: 1"=200'



PROFILE - W. SANTA CLARA ST AND DIRIDON STATION

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



SECTION (A)

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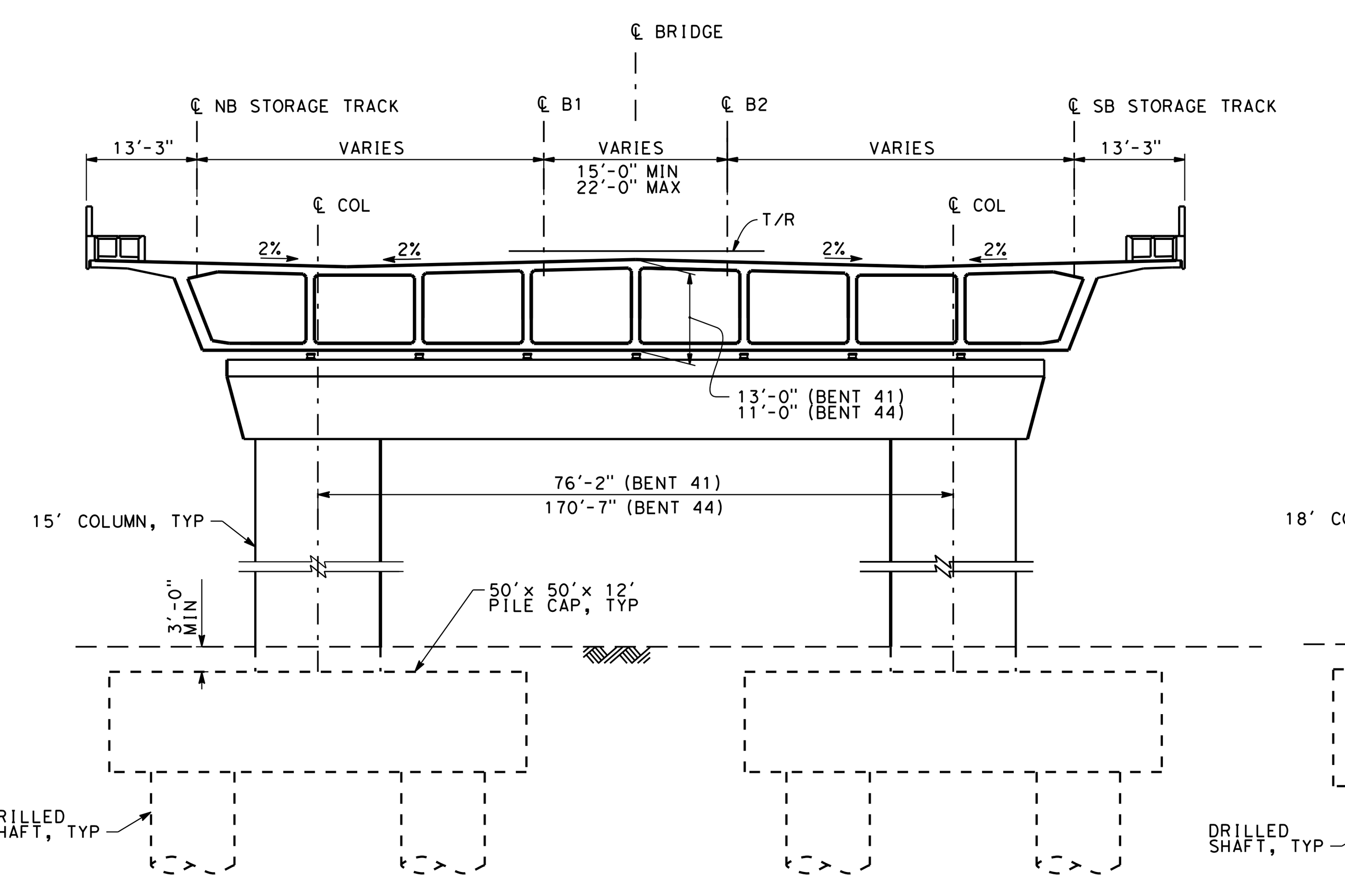
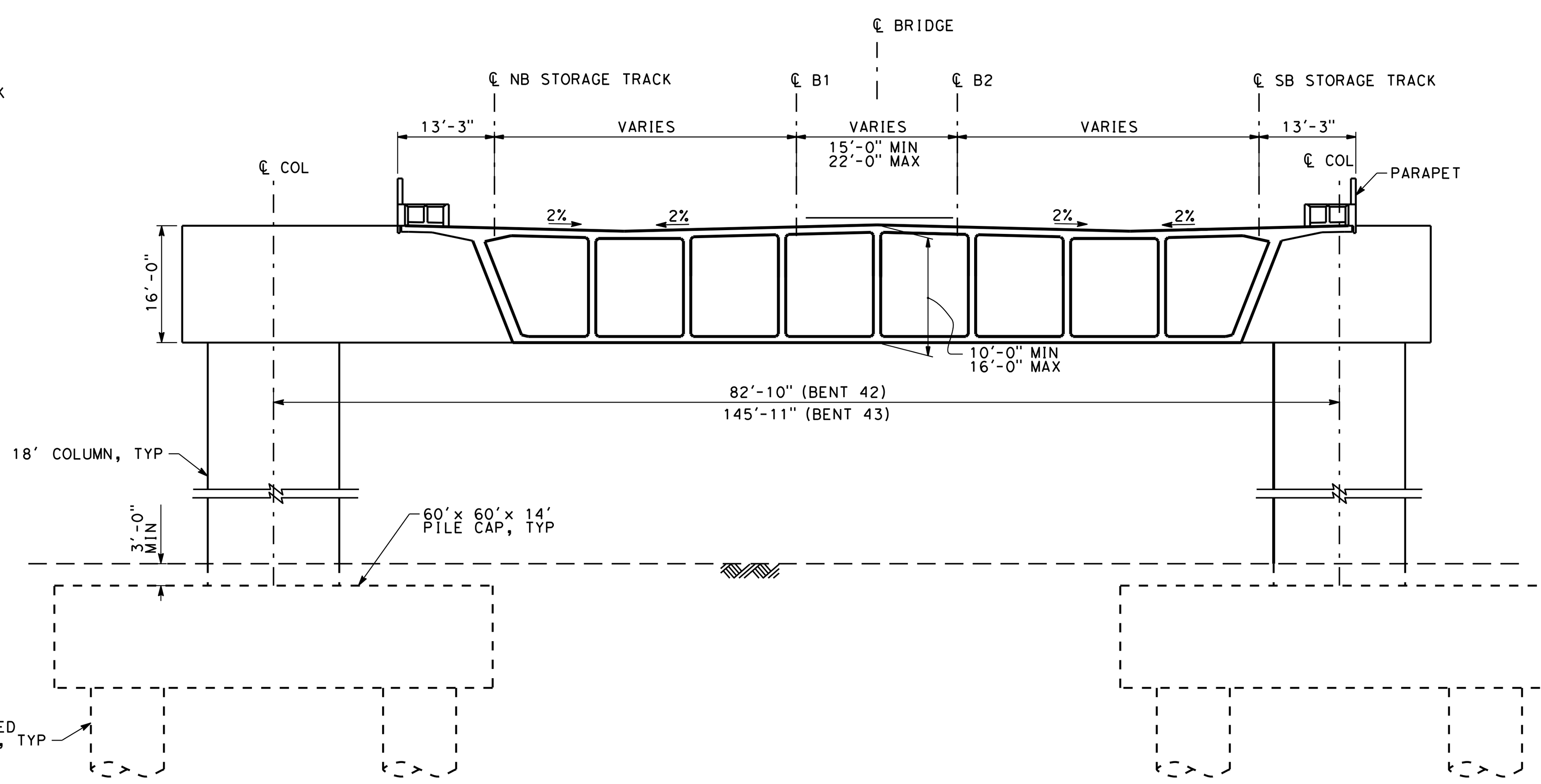


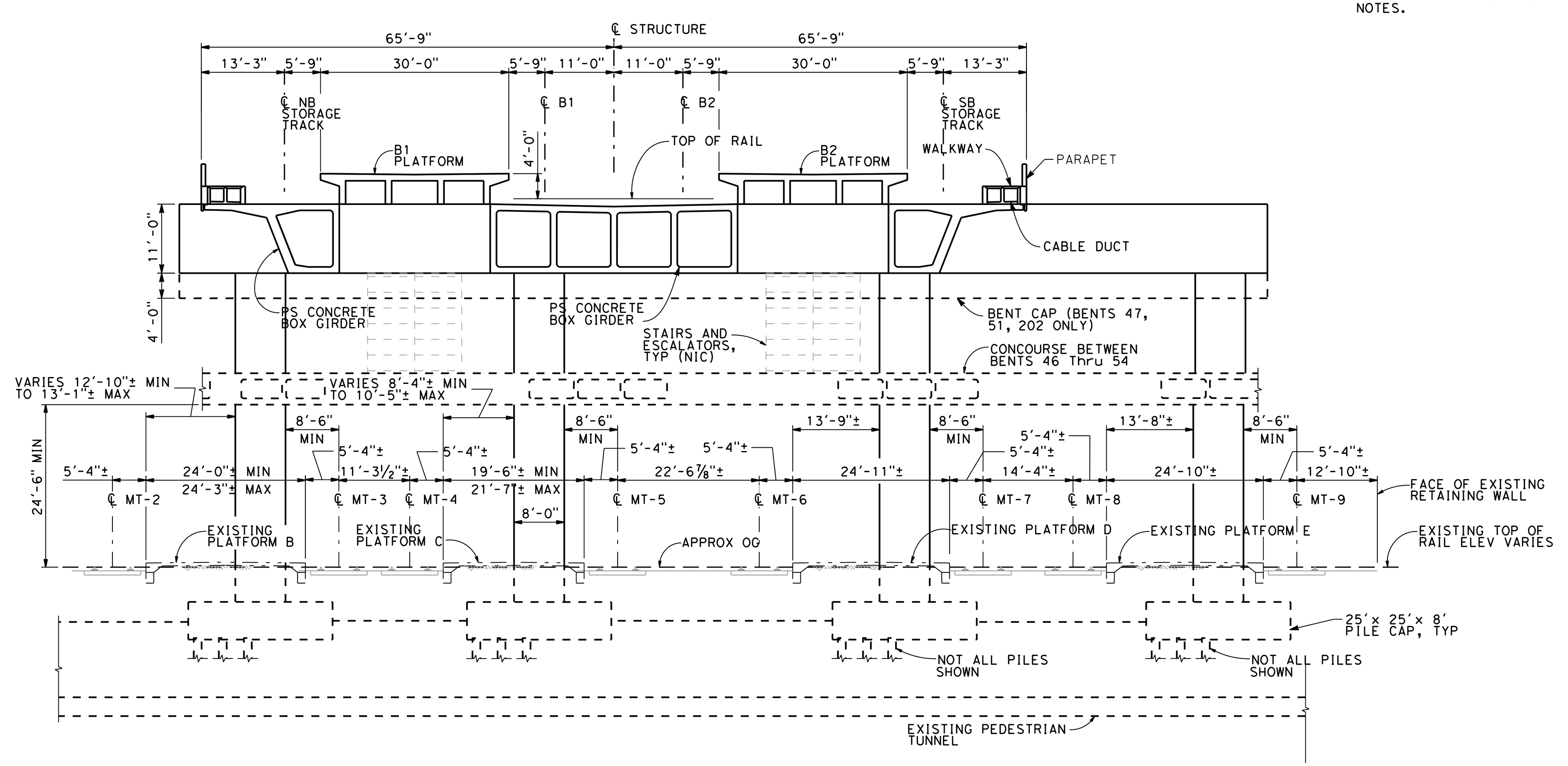
SECTION (B)

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 78 OF 193

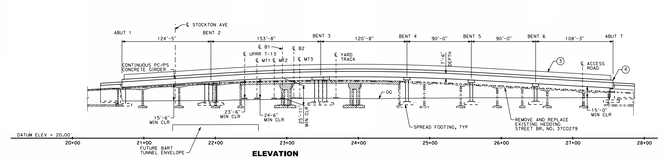
RECORD PEPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB 1111 Broadway 9th Floor Oakland, CA 94607

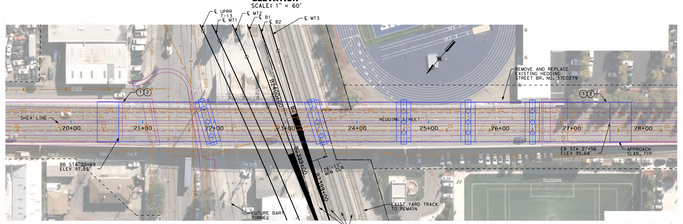
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
VIADUCT TO I-880
COMPLEX STRUCTURES
GENERAL PLAN 2 OF 2

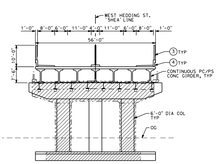
CONTRACT NO. HSR15-34
DRAWING NO. ST-V0152
SCALE AS SHOWN
SHEET NO.



ELEVATION
SCALE: 1" = 60'



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



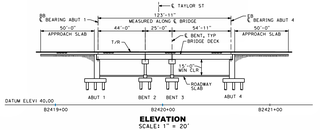
TYPICAL SECTION
SCALE: 1" = 20'

LEGEND:

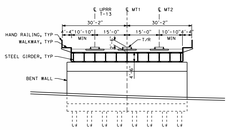
- EXISTING STRUCTURE
- NEW CONSTRUCTION
- EXISTING BRIDGE TO BE REMOVED
- (1) PAINT "HEDDING STREET OVERHEAD"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- (3) CHAIN LINK RAILING TYPE 7, TYP (WOD)
- (4) CONCRETE BARRIER TYPE 732, TYP

NOTES:

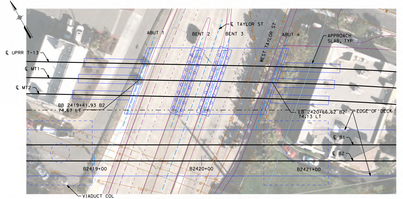
1. STRUCTURE LOCATED AT CALTRAIN MP 46.2.
2. ANY EXISTING UTILITY THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED.
3. VEHICULAR TRAFFIC WILL BE DETOURED DURING CONSTRUCTION.



ELEVATION
SCALE: 1" = 20'



TYPICAL SECTION
SCALE: 1" = 10'



PLAN - TAYLOR STREET
SCALE: 1" = 20'

LEGEND:

- EXISTING STRUCTURE
- NEW CONSTRUCTION
- EXISTING BRIDGE TO BE REMOVED

NOTES:

1. STRUCTURE LOCATED AT CALTRAIN MP 46.52.
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.

20 0 20 40
SCALE: 1" = 20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 79 OF 193

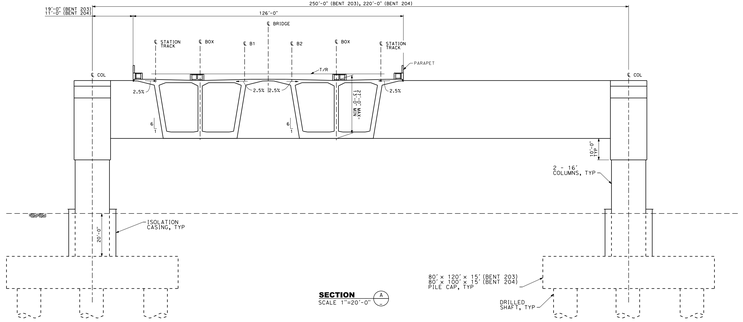
RECORD PDPO SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

MTC
MTC
375 Beale Street
Suite 800
San Francisco, CA 94105

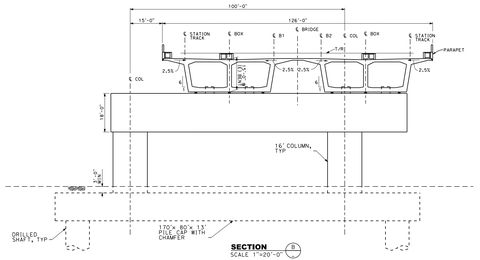
CALIFORNIA High-Speed Rail Authority

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. 57-T0151
SHEET NO. AS SHOWN
REV. NO.

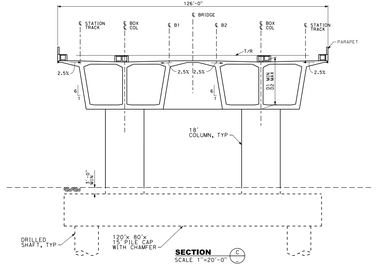


SECTION A
SCALE 1"=20'-0"

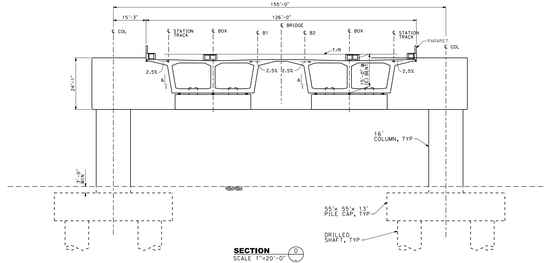


SECTION B
SCALE 1"=20'-0"

TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
206	15'-0"	24'-0"
207	15'-0"	24'-0"
209	15'-0"	17'-0"
211	14'-0"	28'-0"



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 80 OF 193

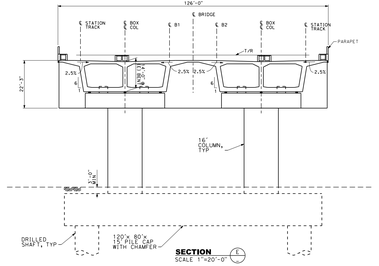
0 0 0 20
FEET

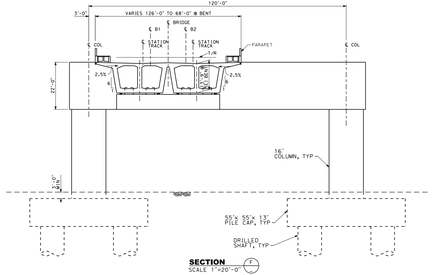
RECORD PDFD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority

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

CONTRACT NO.
HSR15-34
DRAWING NO.
ST-VO301
SCALE
AS SHOWN
DRAFT No.

C:\Projects\Drawings\Sheets\ST-VO301.dgn 5/3/2019 10:48:47 AM





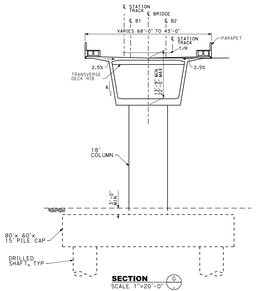
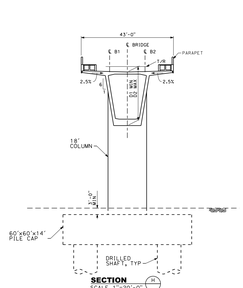
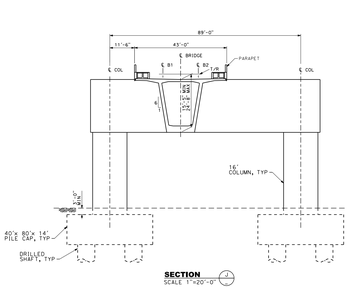
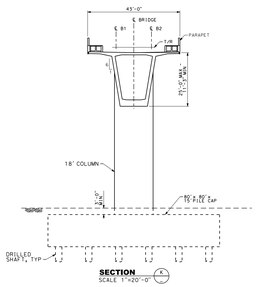


TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
225	15'-6"	30'-0"
227	15'-0"	25'-8"
228	14'-2"	25'-8"
229	14'-2"	23'-0"







SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 81 OF 193

RECORD PDFD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

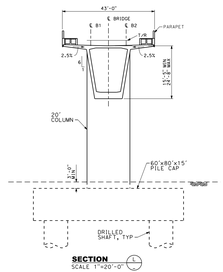
CALIFORNIA High-Speed Rail Authority

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

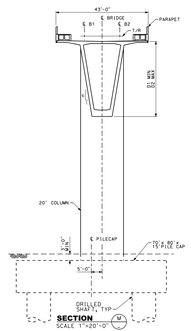
CONTRACT NO. HSR15-34
DRAWING NO. ST-VI0302
SCALE AS SHOWN
DATE

0 0 10 20
FEET

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

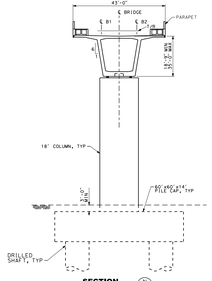


SECTION L
SCALE 1"=20'-0"

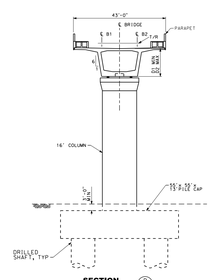


SECTION M
SCALE 1"=20'-0"

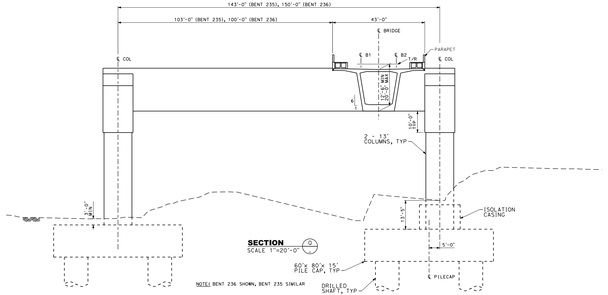
TABLE OF VIADUCT DIMENSIONS		
BENT	D1	D2
217	15'-6"	25'-0"
218	15'-6"	18'-9"
222	15'-6"	18'-9"
226	15'-0"	30'-0"
230	15'-0"	25'-0"



SECTION N
SCALE 1"=20'-0"

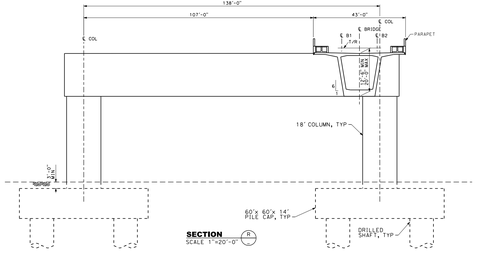


SECTION P
SCALE 1"=20'-0"



SECTION Q
SCALE 1"=20'-0"

NOTE: BENT 236 SHOWN, BENT 235 SIMILAR



SECTION R
SCALE 1"=20'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 82 OF 193

0 0 10 20
FEET

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MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway
Suite 1200
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
TYPICAL SECTIONS
SHEET 3 OF 3

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

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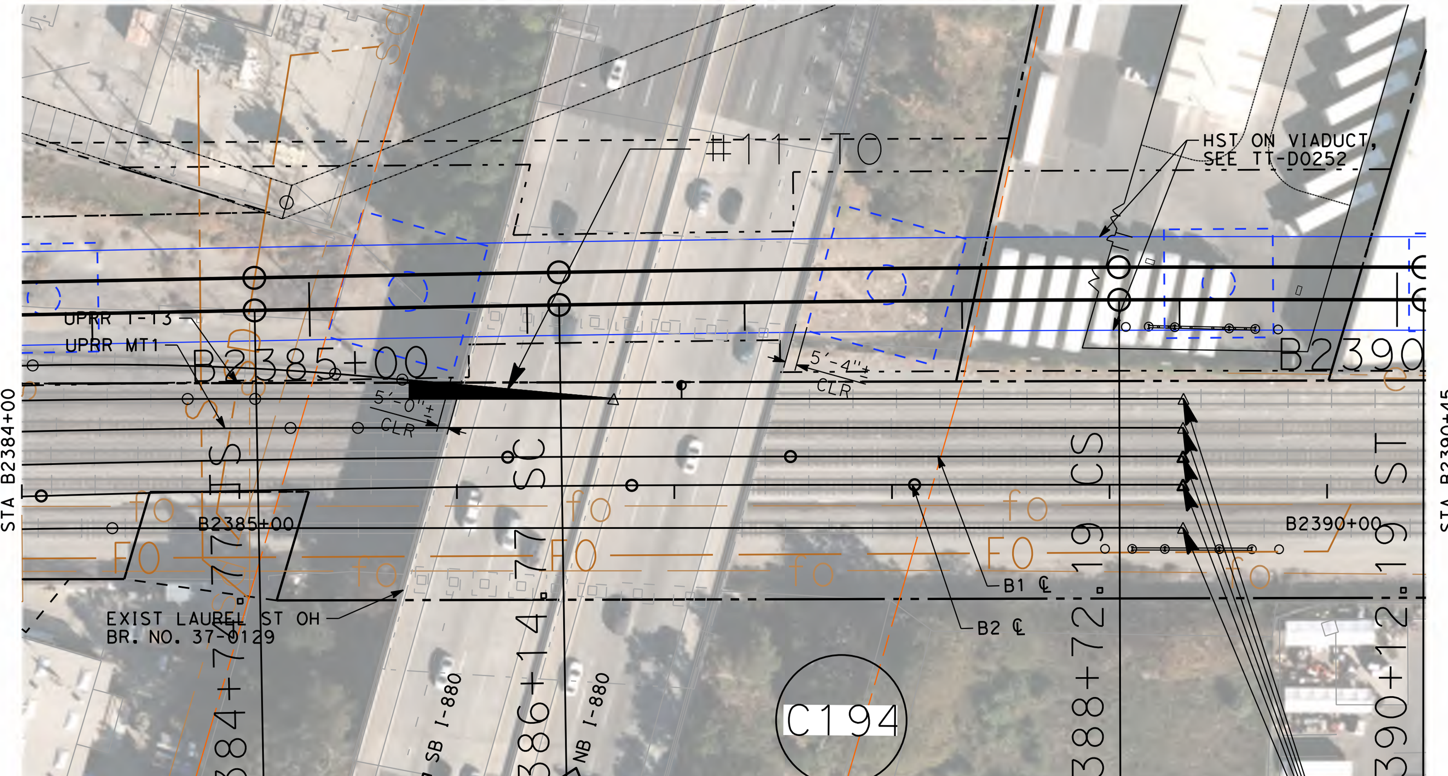
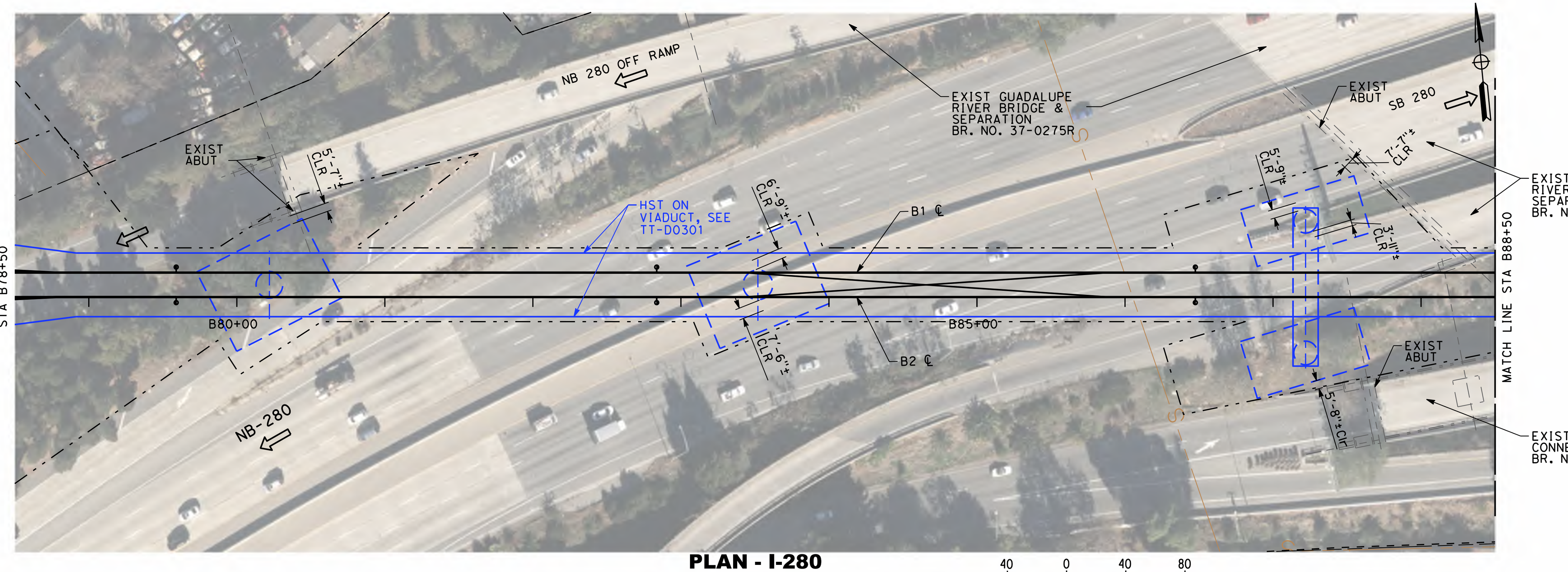
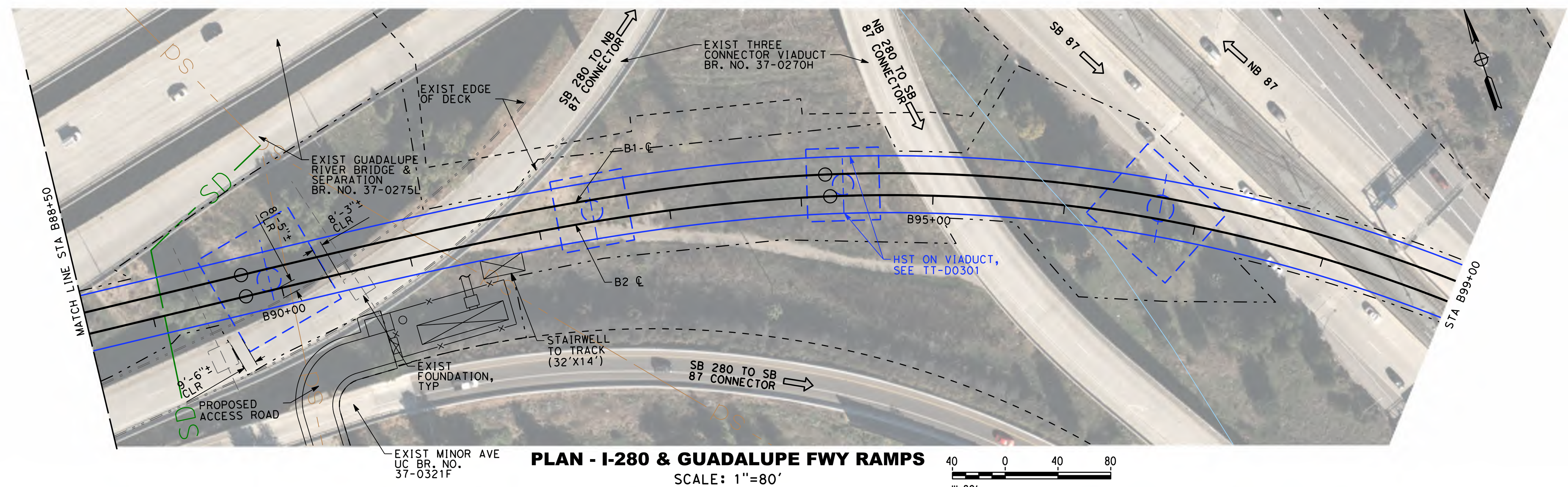


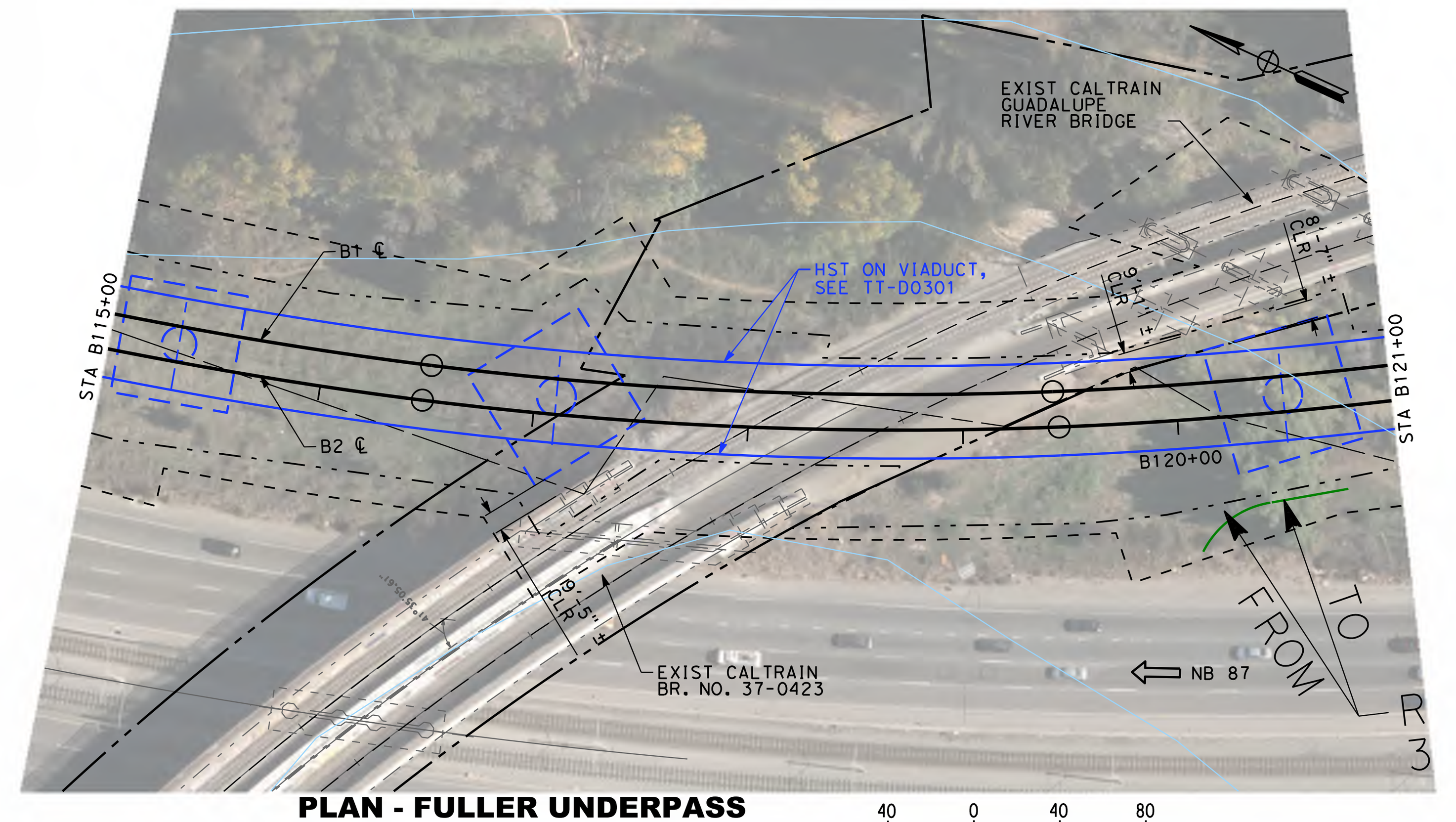
PLAN - I-880
SCALE: 1"=80'



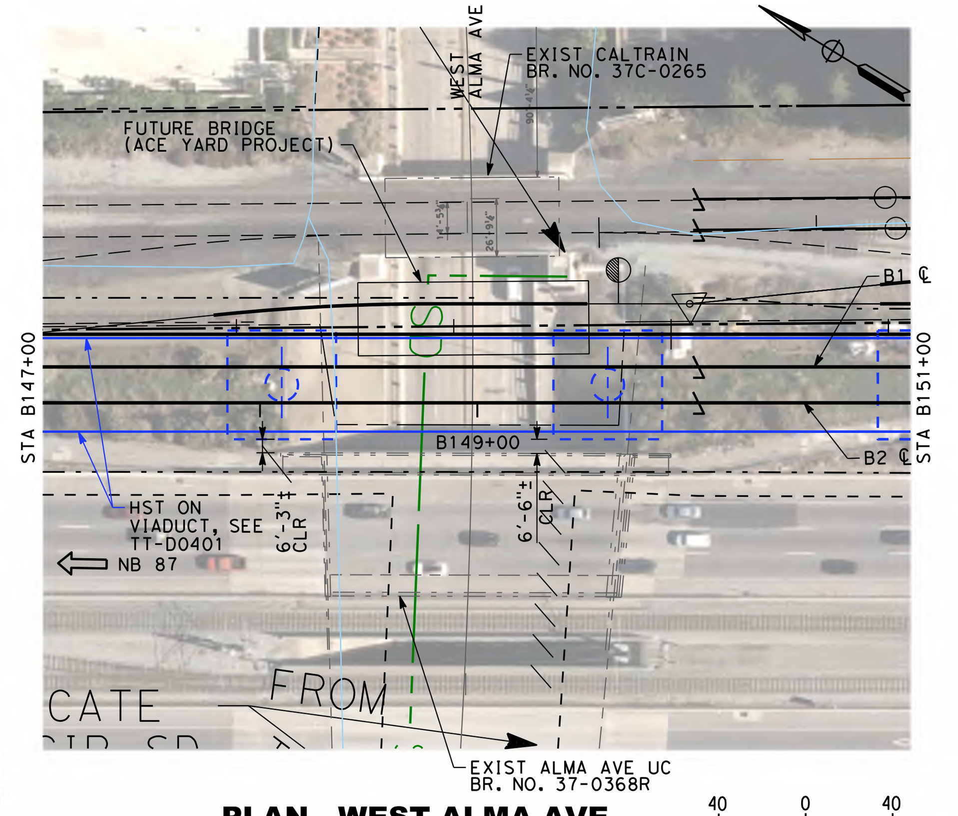
PLAN - I-280
SCALE: 1"=80'



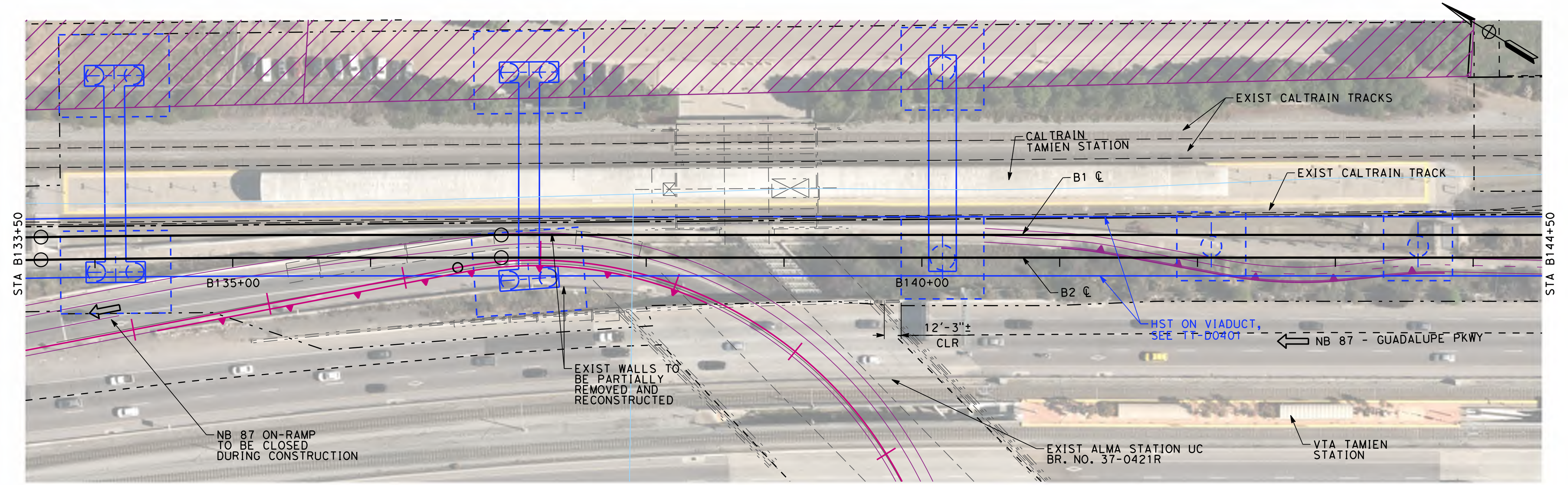
PLAN - I-280 & GUADALUPE FWY RAMPS
SCALE: 1"=80'



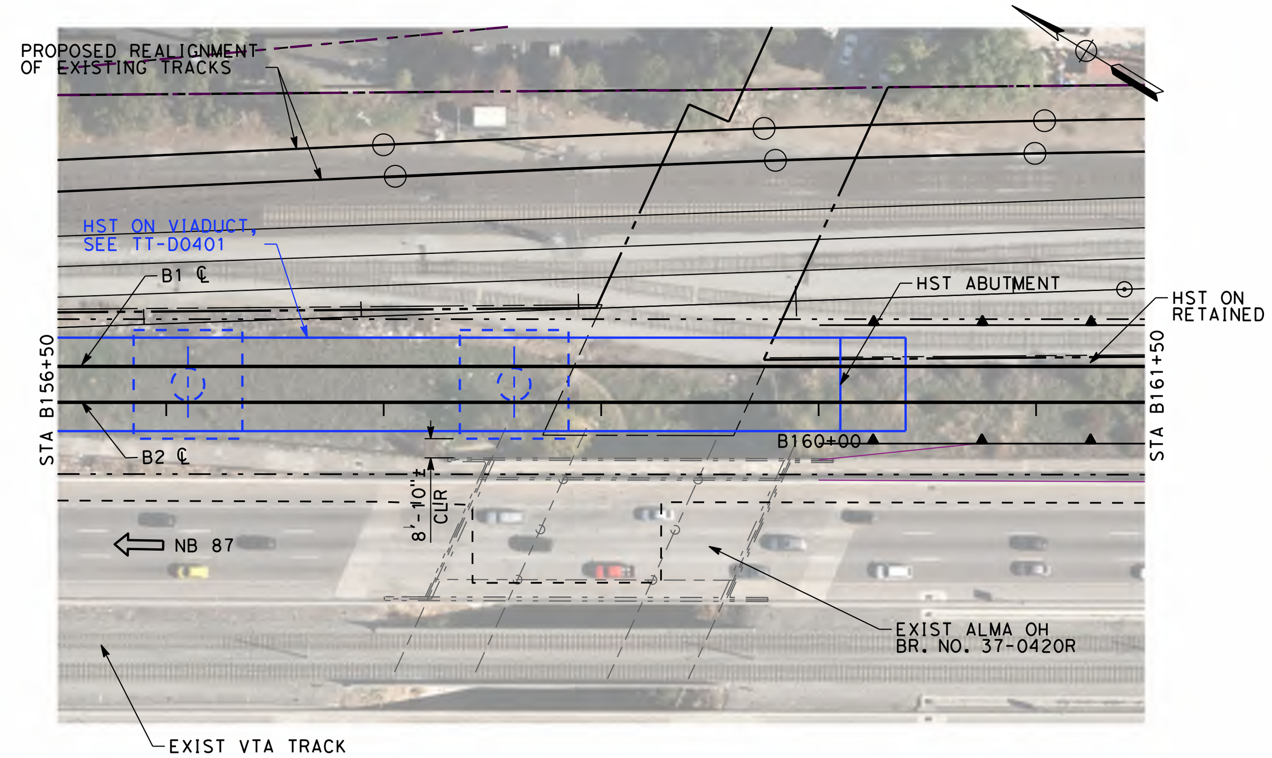
PLAN - FULLER UNDERPASS
SCALE: 1"=80'



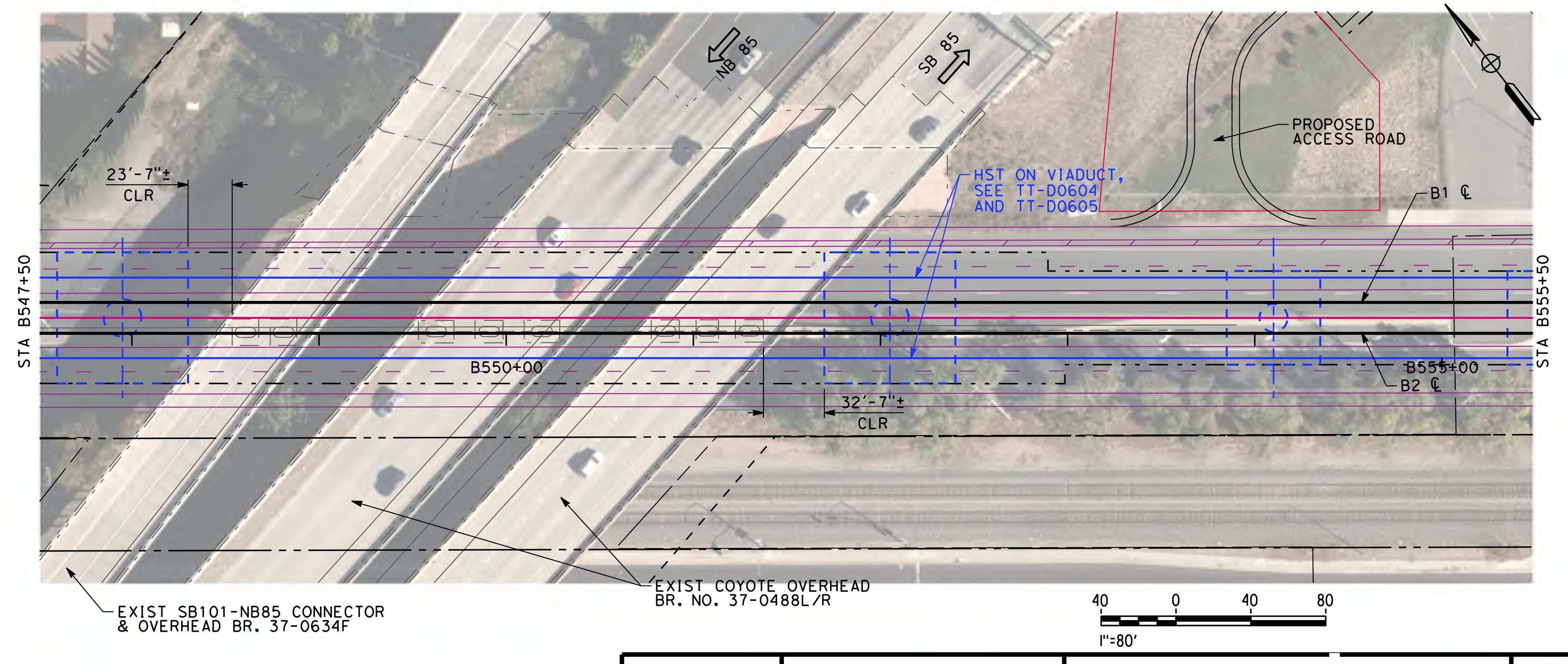
PLAN - WEST ALMA AVE
SCALE: 1"=80'



PLAN - TAMIEN STATION
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 83 OF 193

RECORD PEPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

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

CONTRACT NO.	HSR15-34
DRAWING NO.	ST-T0301
SCALE	AS SHOWN
SHEET NO.	

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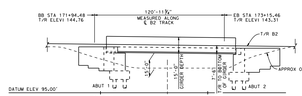
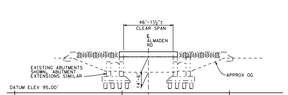
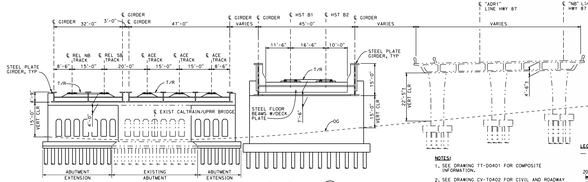
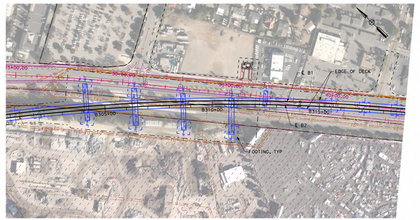


ELEVATION - HST BRIDGE
SCALE: 1"=20'
(SIGN NOT SHOWN)

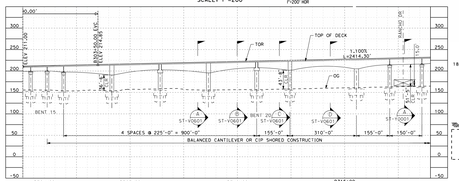


ELEVATION - CALTRAIN/UPRR BRIDGE
SCALE: 1"=20'
(SIGN NOT SHOWN)

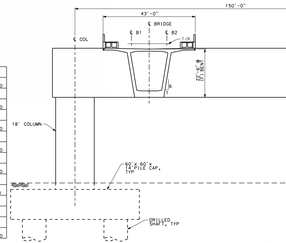

℄ GIRDER
32'-0"
3'-0"
℄ GIRDER
47'-0"
℄ GIRDER
VARIES
℄ HST B1
45'-0"
℄ HST B2
℄ GIRDER
VARIES
℄ "ADR1"
LINE HWY 87
VARIES
℄ "NB" LINE
HWY 87
STEEL PLATE
GIRDER, TYP
℄ REL NB
TRACK
4'-8½"
℄ REL SB
TRACK
15'-0"
℄ ACE
TRACK
20'-0"
℄ ACE
TRACK
15'-0"
℄ ACE
TRACK
4'-8½"
11'-6"
16'-6"
10'-0"
T/W
T/W
T/W



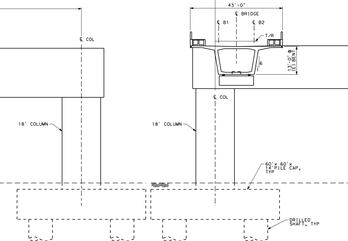
PLAN - CAPITOL CALTRAIN
SCALE: 1"=200'



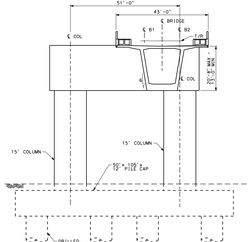
PROFILE - CAPITOL CALTRAIN
SCALE: 1"=200' HOR, 1"=100' VERT



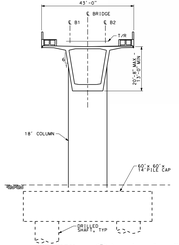
SECTION
SCALE: 1"=20'-0"



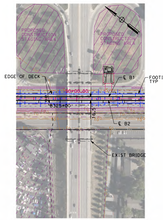
SECTION
SCALE: 1"=20'-0"



SECTION
SCALE: 1"=20'-0"

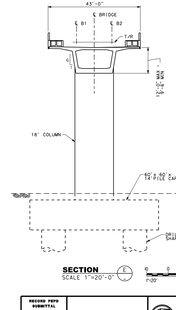


SECTION
SCALE: 1"=20'-0"



PLAN - CAPITOL EXPRESSWAY
SCALE: 1"=200'

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



SECTION
SCALE: 1"=20'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 85 OF 193

RECORD PSPS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

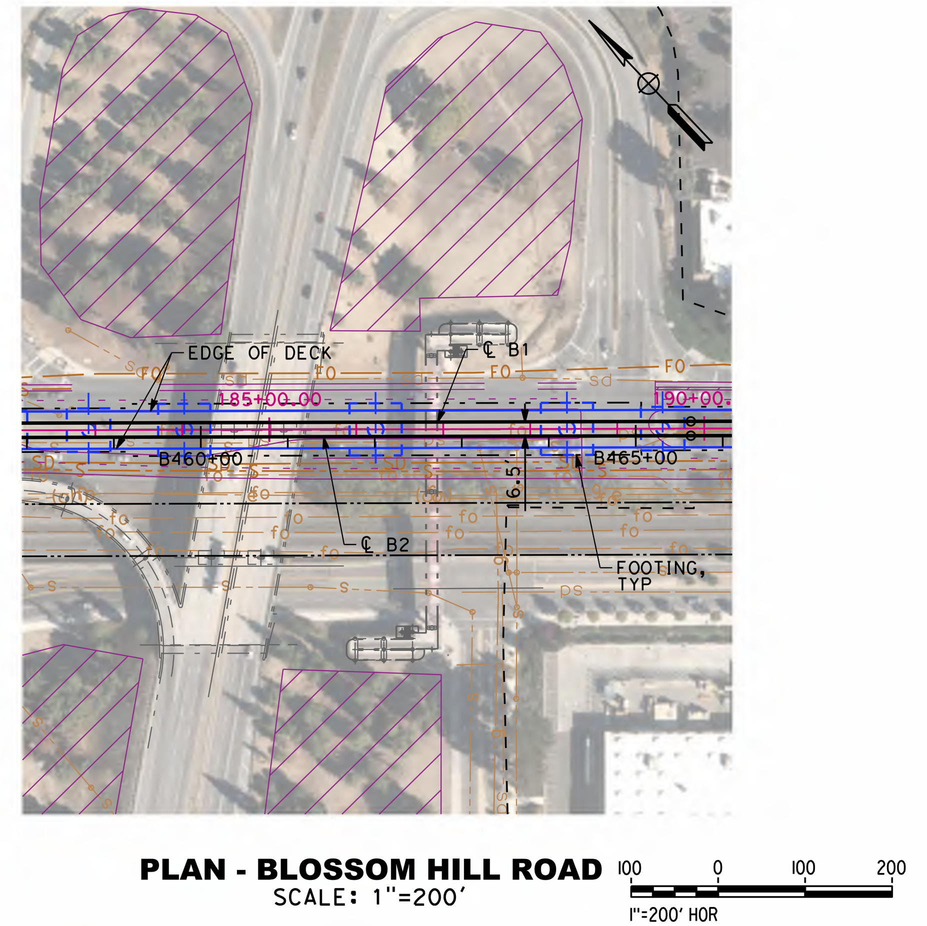
HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

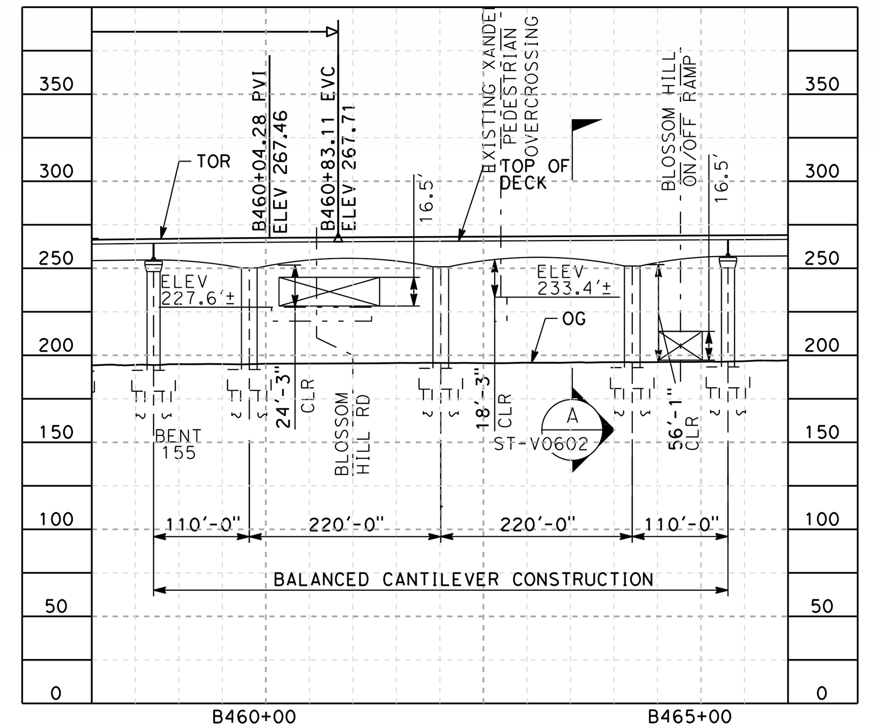
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MONTEREY CORRIDOR
VIADUCT
COMPLEX STRUCTURES
GENERAL PLAN 1 OF 2

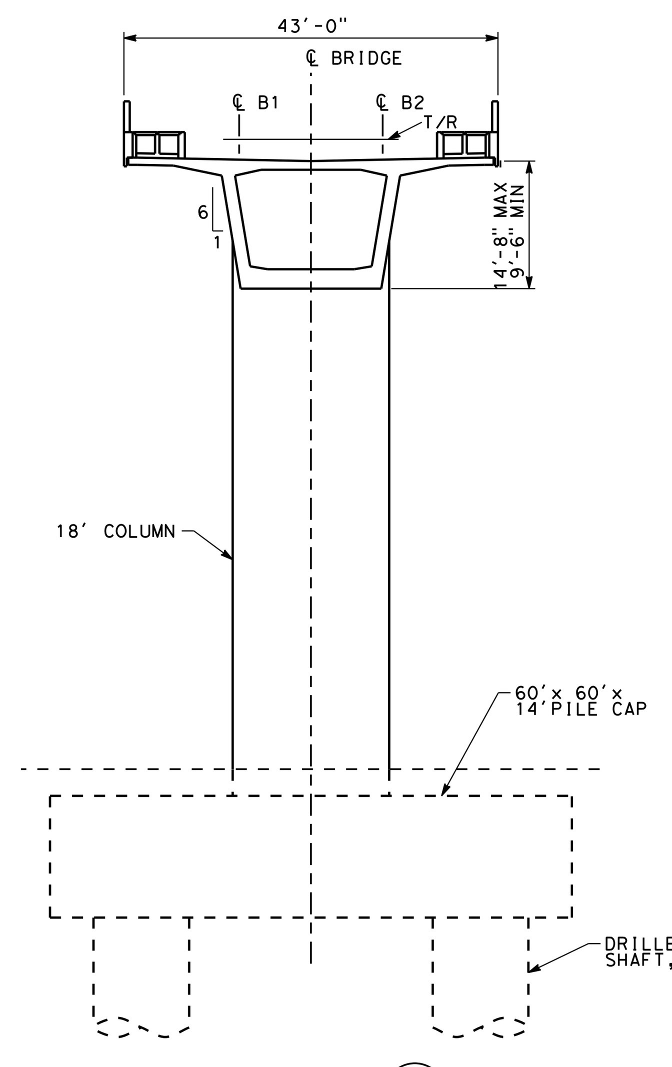
CONTRACT NO.
HSR15-34
DESIGN BY
ST-VO601
DRAWN BY
AS SHOWN
DATE

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



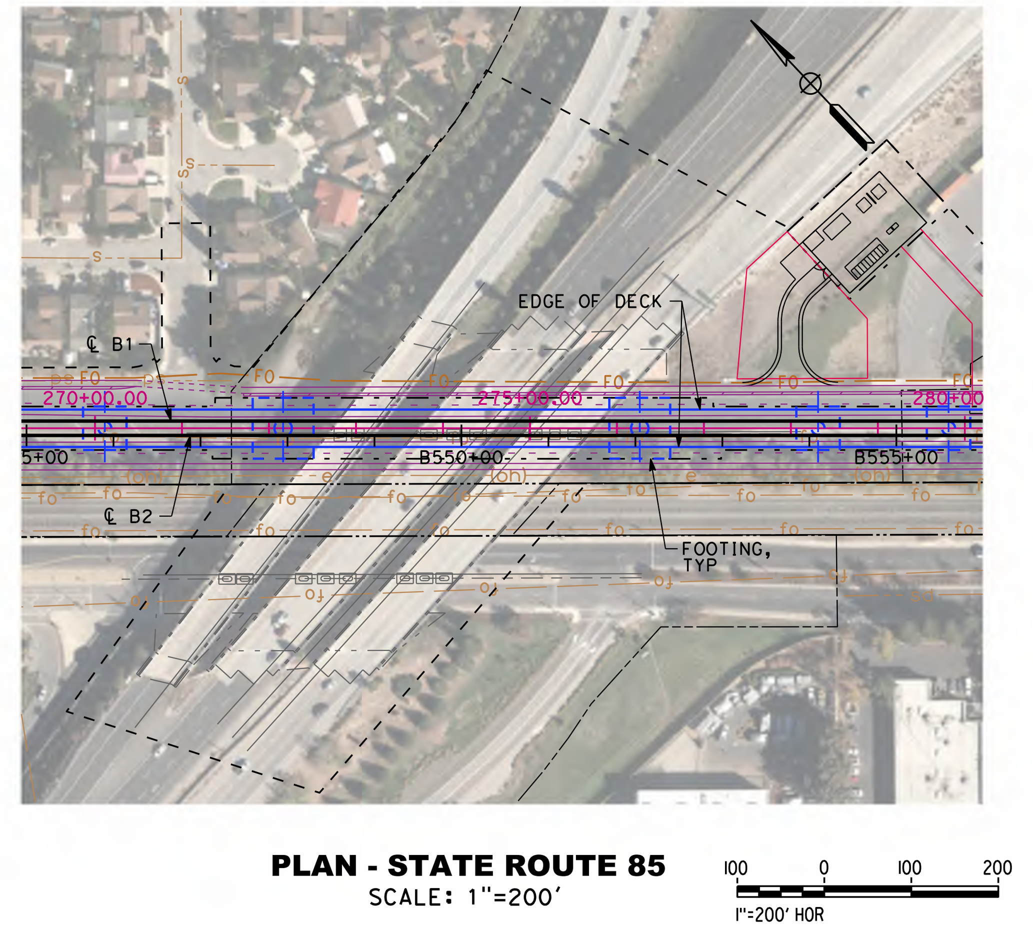
PROFILE - BLOSSOM HILL ROAD
SCALE: 1"=200' HOR, 1"=100' VERT



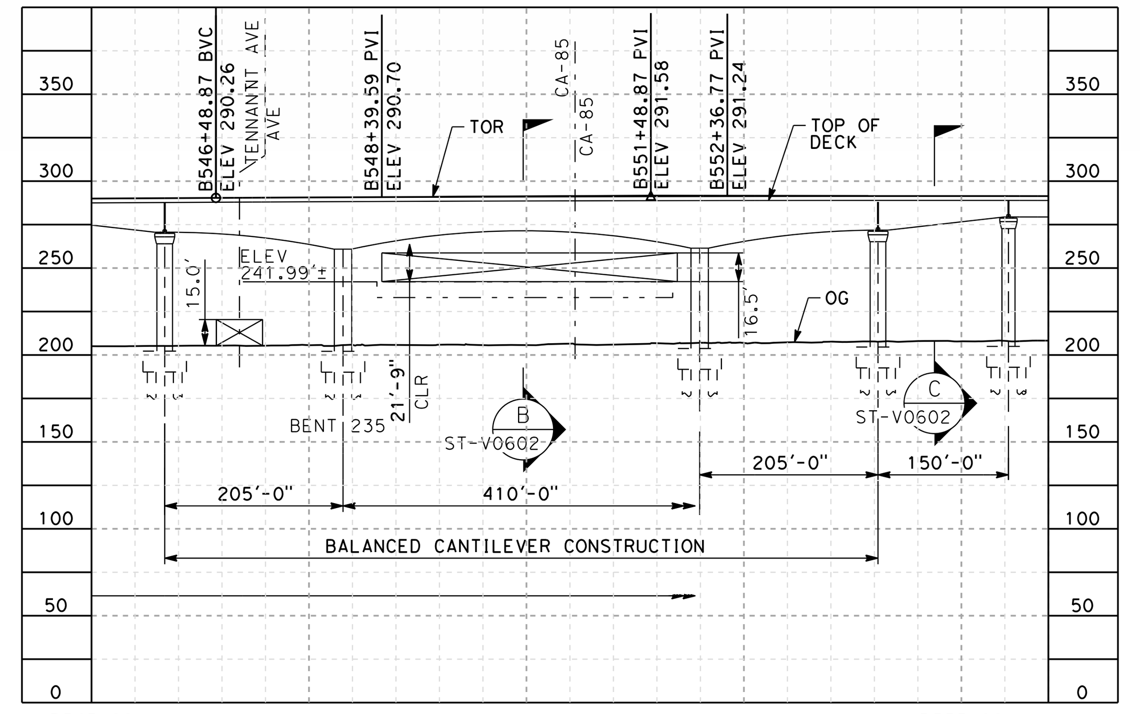


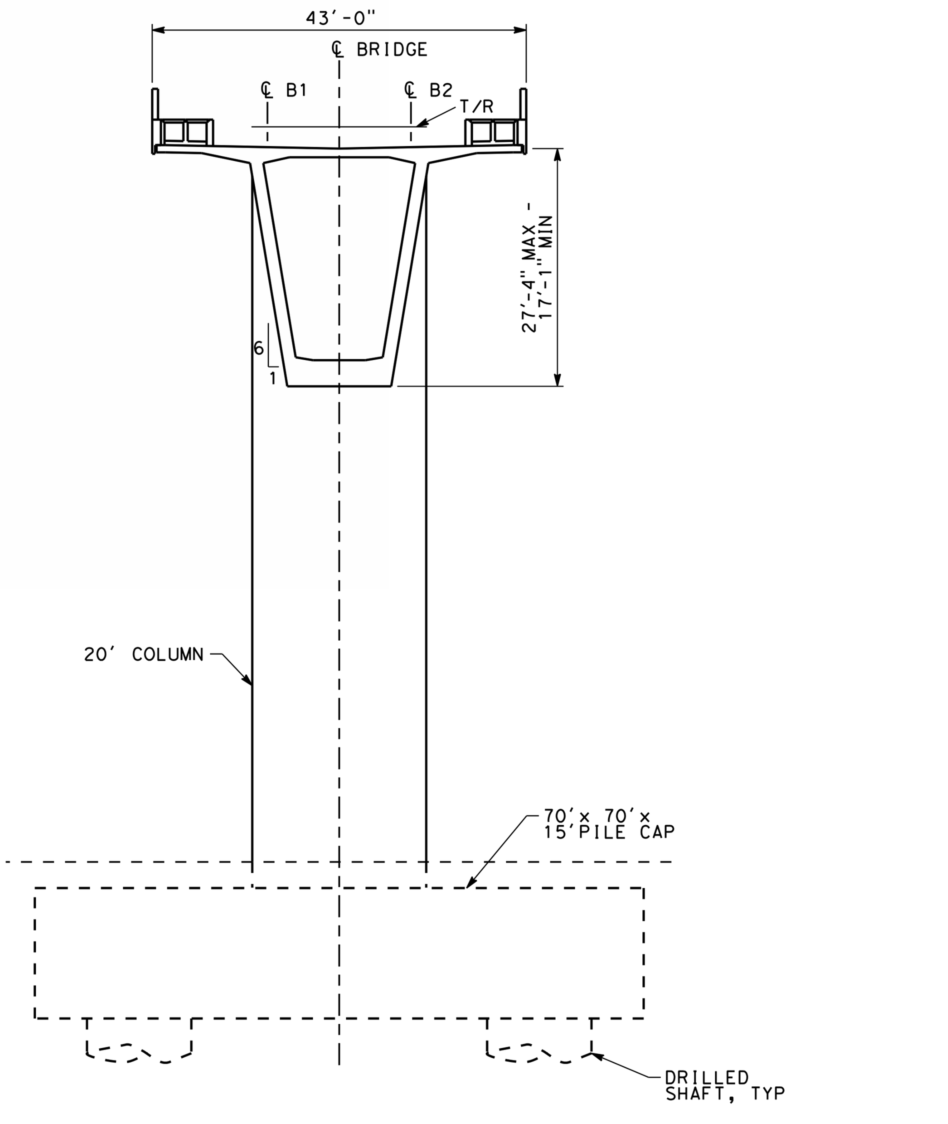
SECTION (A)
SCALE 1"=20'-0"

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

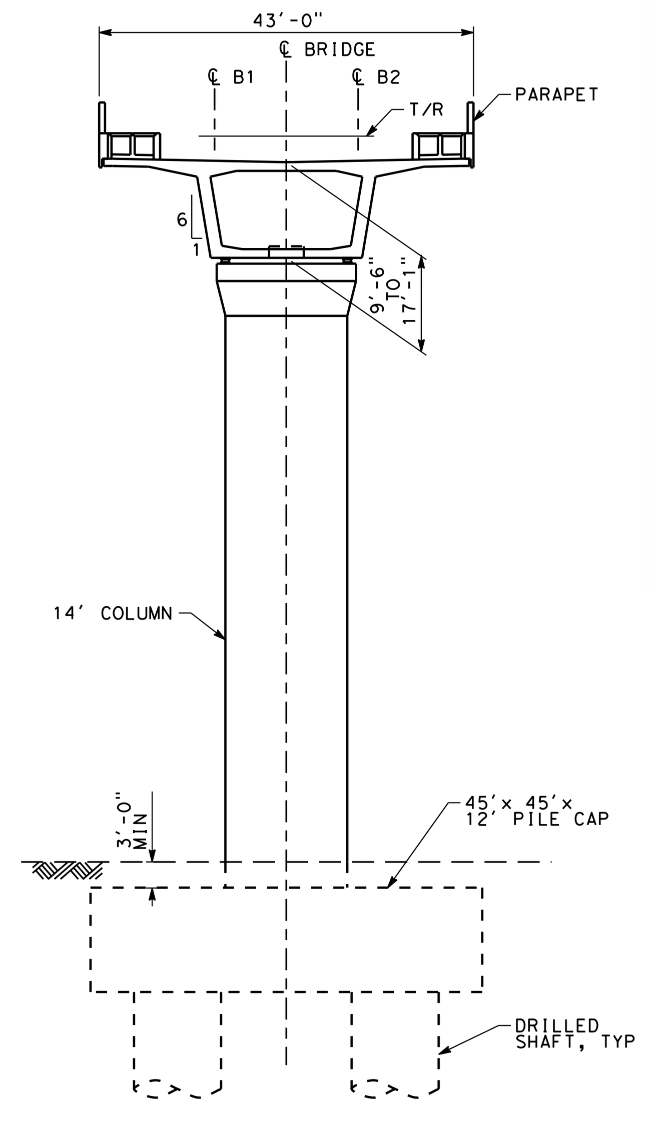


PROFILE - STATE ROUTE 85
SCALE: 1"=200' HOR, 1"=100' VERT



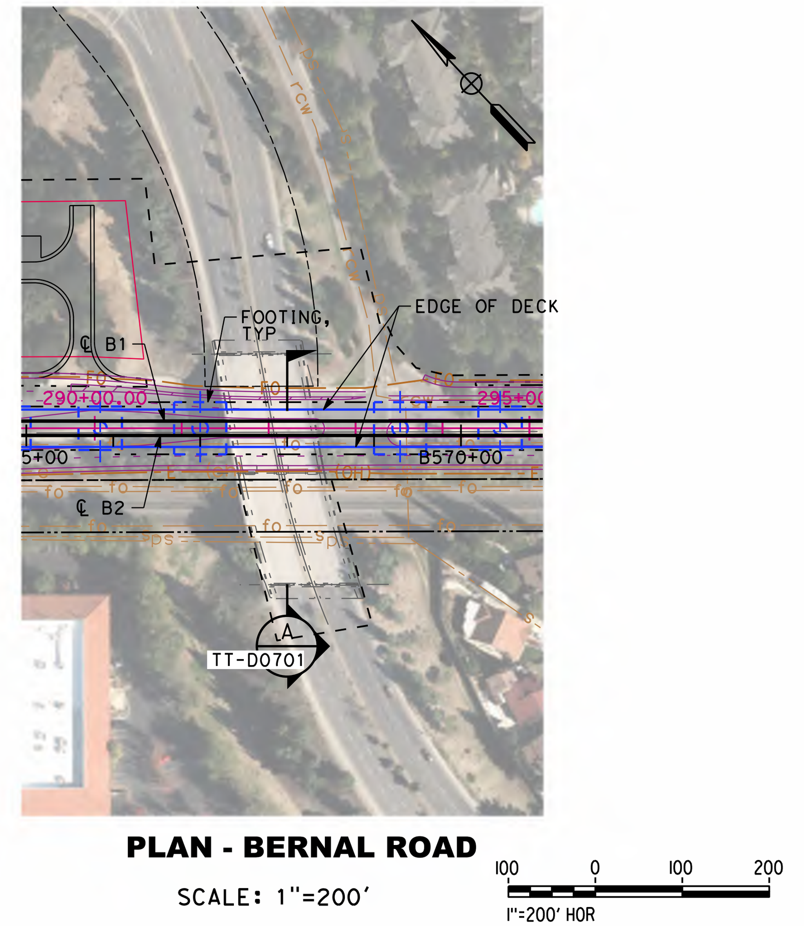


SECTION (B)
SCALE 1"=20'-0"

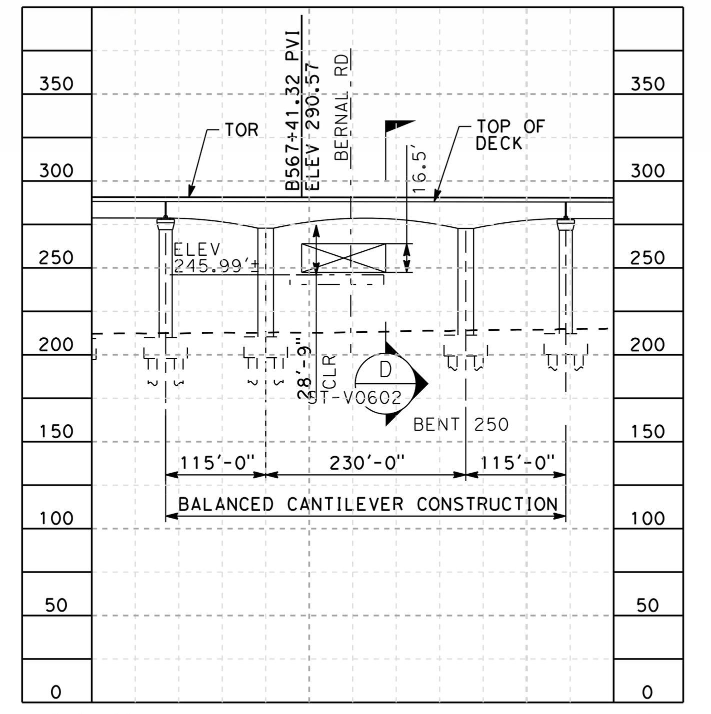


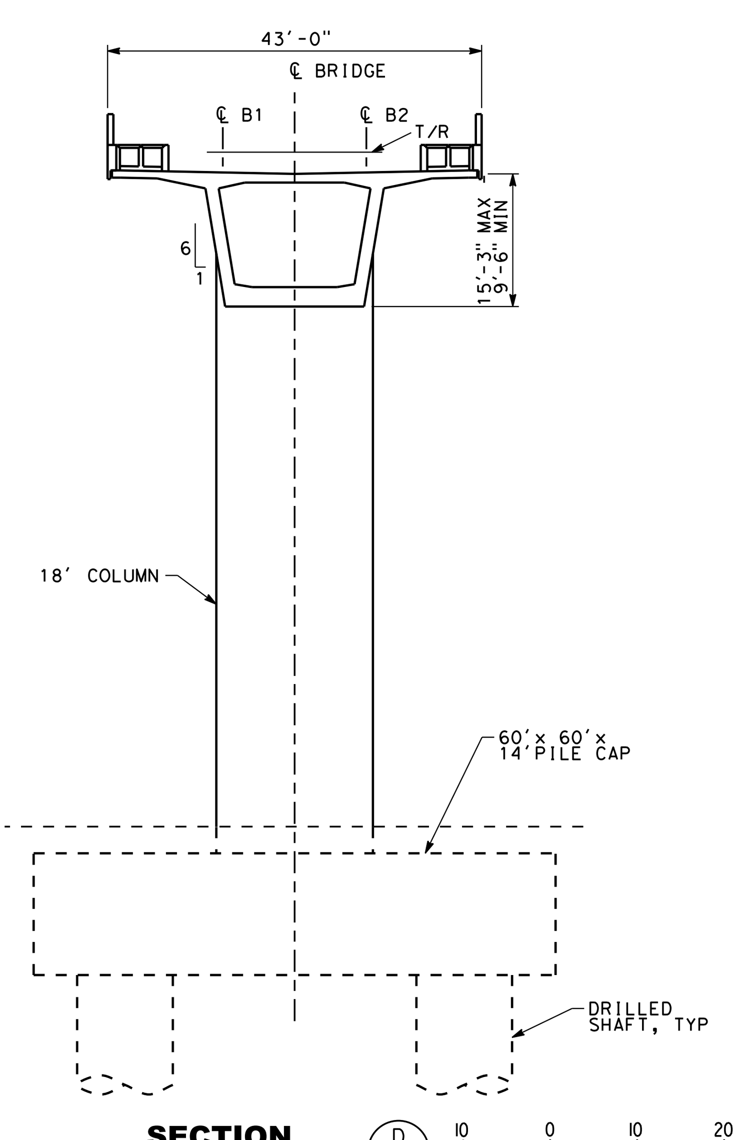
SECTION (C)
SCALE 1"=20'-0"

PLAN - BERNAL ROAD
SCALE: 1"=200'



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





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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 86 OF 193

RECORD PEPD SUBMITTAL	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
MAY 3, 2019			SAN JOSE TO MERCED	DRAWING NO. ST-V0602
NOT FOR CONSTRUCTION			MONTEREY CORRIDOR VIADUCT COMPLEX STRUCTURES GENERAL PLAN 2 OF 2	SCALE AS SHOWN
				SHEET NO.

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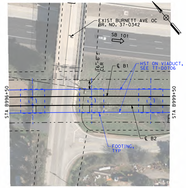
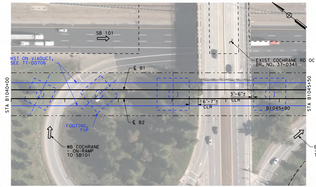
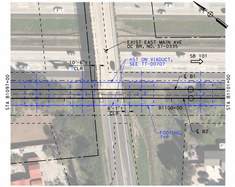


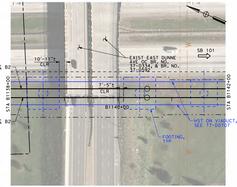
PLAN - BURNETT AVENUE OC
SCALE: 1"=80'



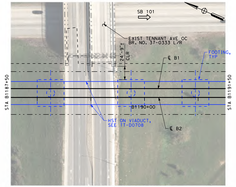
PLAN - COCHRANE ROAD OC
SCALE: 1"=80'



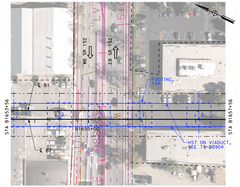
PLAN - EAST MAIN AVENUE OC
SCALE: 1"=80'



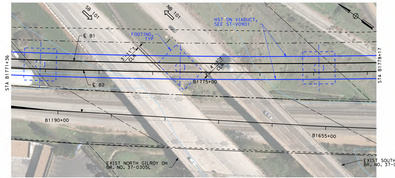
PLAN - EAST DUNNE AVENUE OC
SCALE: 1"=80'



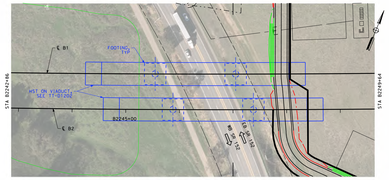
PLAN - TENNANT AVENUE OC
SCALE: 1"=80'



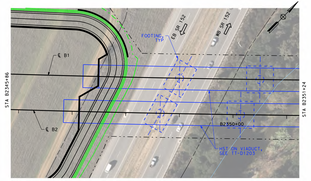
PLAN - LEAVESLEY ROAD (SR 152)
SCALE: 1"=80'



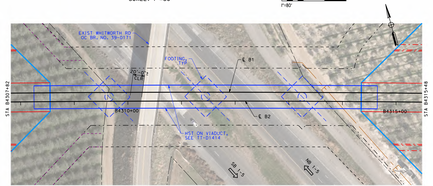
PLAN - US 101
SCALE: 1"=80'



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



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



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

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 87 OF 193

RECORD PSPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED MORGAN HILL AND GILROY VIADUCT IN DOWNTOWN GILROY CALTRANS STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-TOTO1 SCALE AS SHOWN SHEET NO.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 88 OF 193

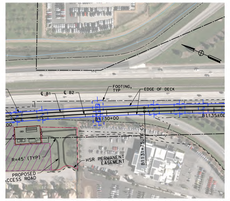
RECORD PEPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

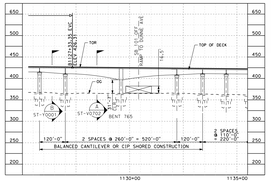
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
COMPLEX STRUCTURES
GENERAL PLAN 1 OF 2

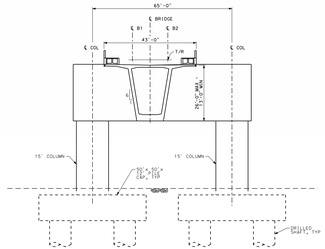
CONTRACT NO. HSR15-34
DRAWING NO. ST-V0701
SCALE AS SHOWN
SHEET NO.



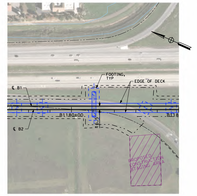
PLAN - SB 101 OFF-RAMP TO EAST DUNNE AVENUE
SCALE: 1"=200'



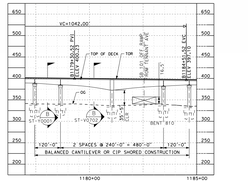
PROFILE - SB 101 OFF-RAMP TO EAST DUNNE AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



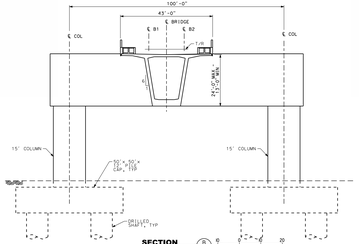
SECTION
SCALE: 1"=20'-0"



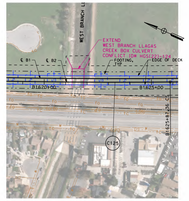
PLAN - SB 101 OFF-RAMP TO TENNANT AVENUE
SCALE: 1"=200'



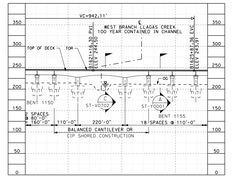
PROFILE - SB 101 OFF-RAMP TO TENNANT AVENUE
SCALE: 1"=200' HOR, 1"=100' VERT



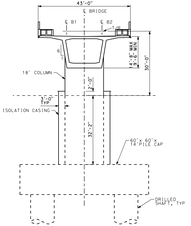
SECTION
SCALE: 1"=20'-0"



PLAN - LLAGAS CREEK
SCALE: 1"=200'



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



SECTION
SCALE: 1"=20'-0"

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 89 OF 193

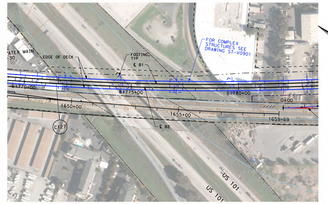
RECORD PSPS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

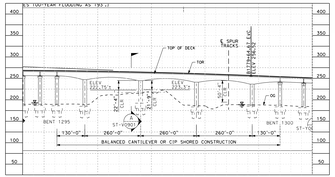
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
COMPLEX STRUCTURES
GENERAL PLAN 2 OF 2

CONTRACT NO. HSR15-34
DESIGN BY: ST-VD702
DRAWN BY: AS SHOWN
CHECKED BY:



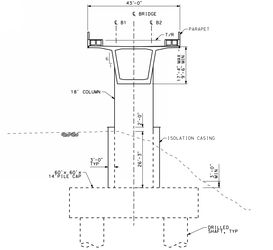
PLAN - US 101
SCALE: 1"=200'

100 0 100 200
1"=200' HOR



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

50 0 50 100
1"=100' VERT



SECTION
SCALE 1"=20'-0"

40 0 40 80
1"=20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 1
BOOK 1B
SHEET 90 OF 193

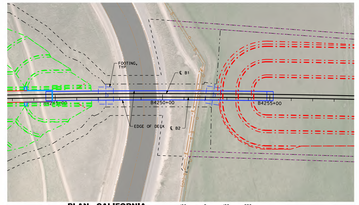
RECORD PDFS SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
111 I Broadway
Suite 1200
Oakland, CA 94612

CALIFORNIA High-Speed Rail Authority

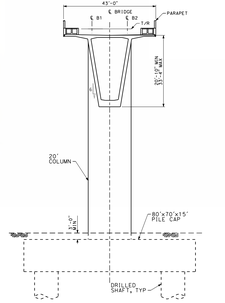
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
VIADUCT TO DOWNTOWN GILROY
COMPLEX STRUCTURES
GENERAL PLAN

CONTRACT NO.
HSR15-35
DRAWING NO.
ST-V0901
SCALE
AS SHOWN
DWG. No.



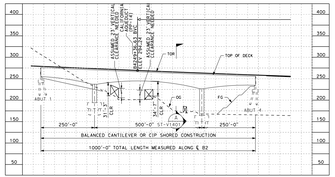
PLAN - CALIFORNIA AQUEDUCT
SCALE: 1"=200'

100 0 100 200
1"=200' HOR



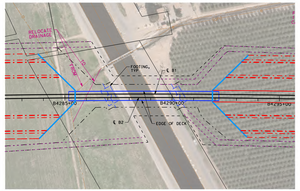
SECTION
SCALE 1"=20'-0" A

0 10 20
1"=20'



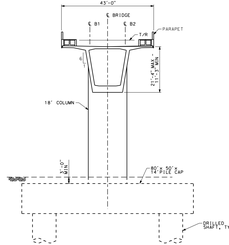
PROFILE - CALIFORNIA AQUEDUCT
SCALE: 1"=200' HOR, 1"=100' VERT

50 0 50 100
1"=100' VERT



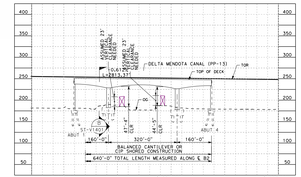
PLAN - DELTA MENDOTA
SCALE: 1"=200'

100 0 100 200
1"=200' HOR



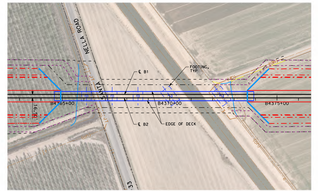
SECTION
SCALE 1"=20'-0" B

0 10 20
1"=20'



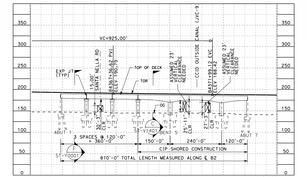
PROFILE - DELTA MENDOTA
SCALE: 1"=200' HOR, 1"=100' VERT

50 0 50 100
1"=100' VERT



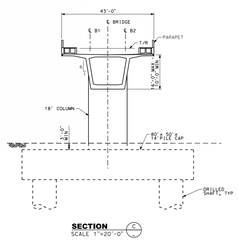
PLAN - CCID OUTSIDE CANAL
SCALE 1"=200'

100 0 100 200
1"=200' HOR



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

50 0 50 100
1"=100' VERT



SECTION
SCALE 1"=20'-0" C

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 91 OF 193

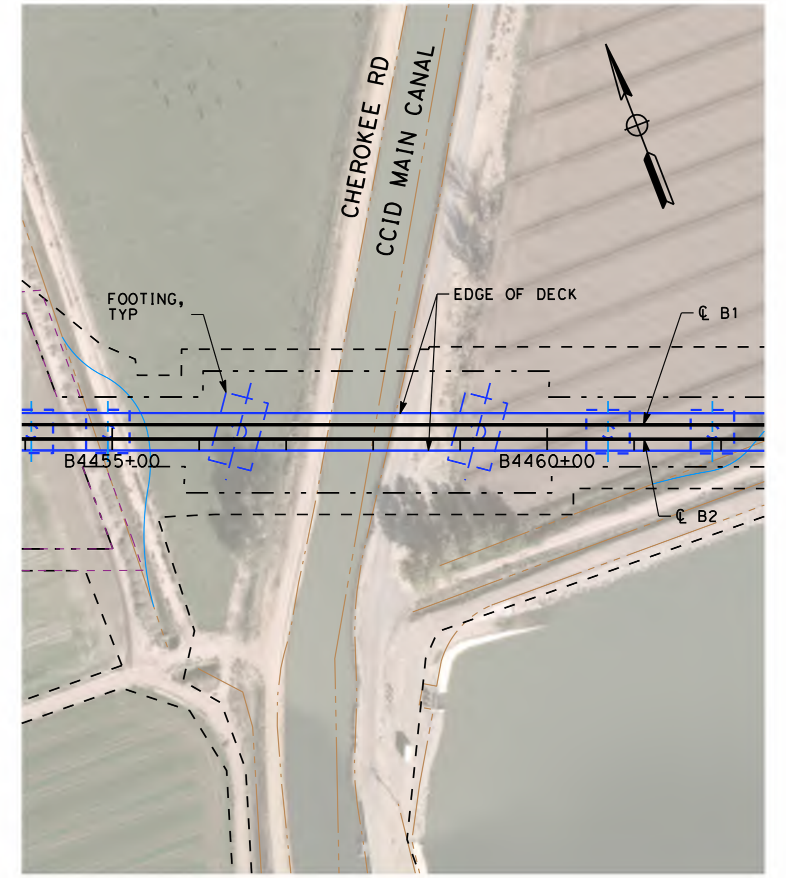
RECORD PSPD SUBMITTAL
MAY 3, 2019
NOT FOR CONSTRUCTION

HNTB
555 Montgomery Street, Suite 1300
Oakland, CA 94607

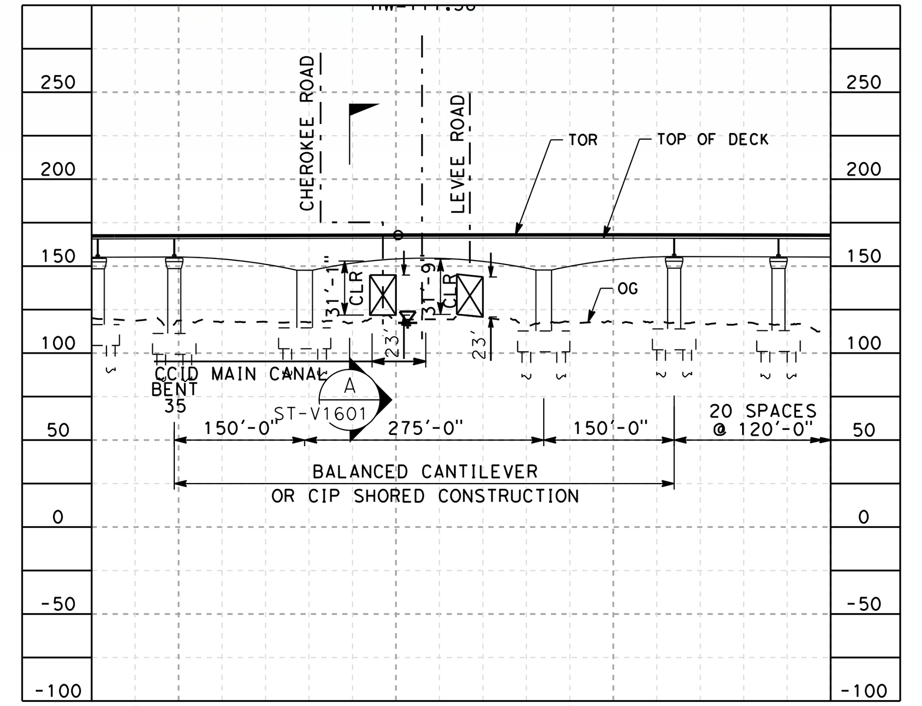
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPLEX STRUCTURES
GENERAL PLAN

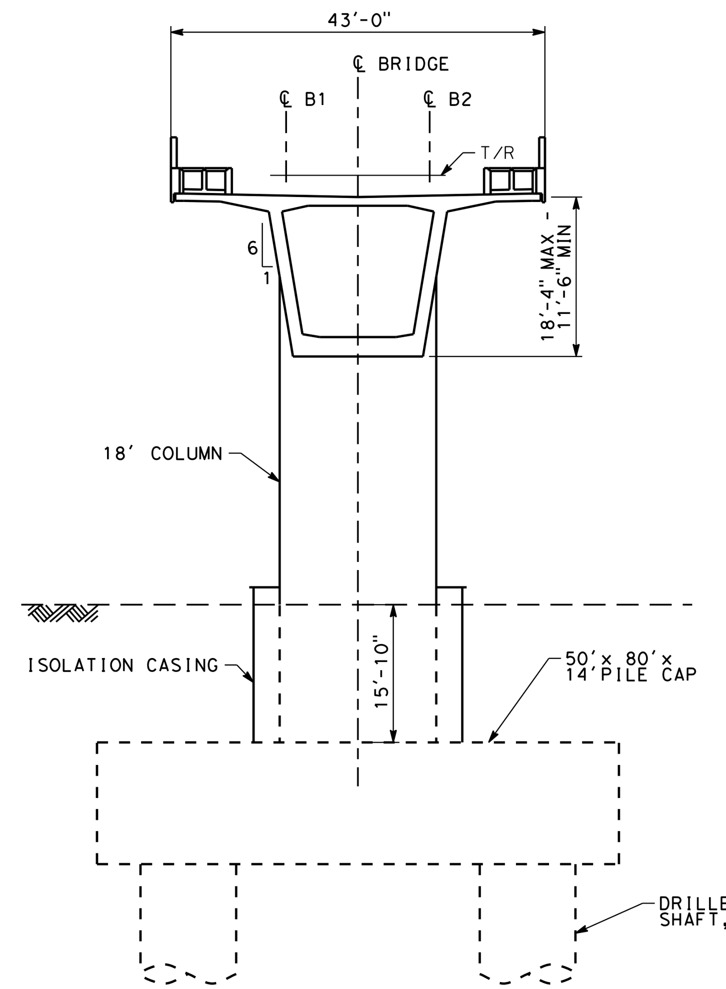
CONTRACT NO. HSRTS-34
DRAWING NO. ST-V1401
SHEET NO. AS SHOWN
DWG NO.



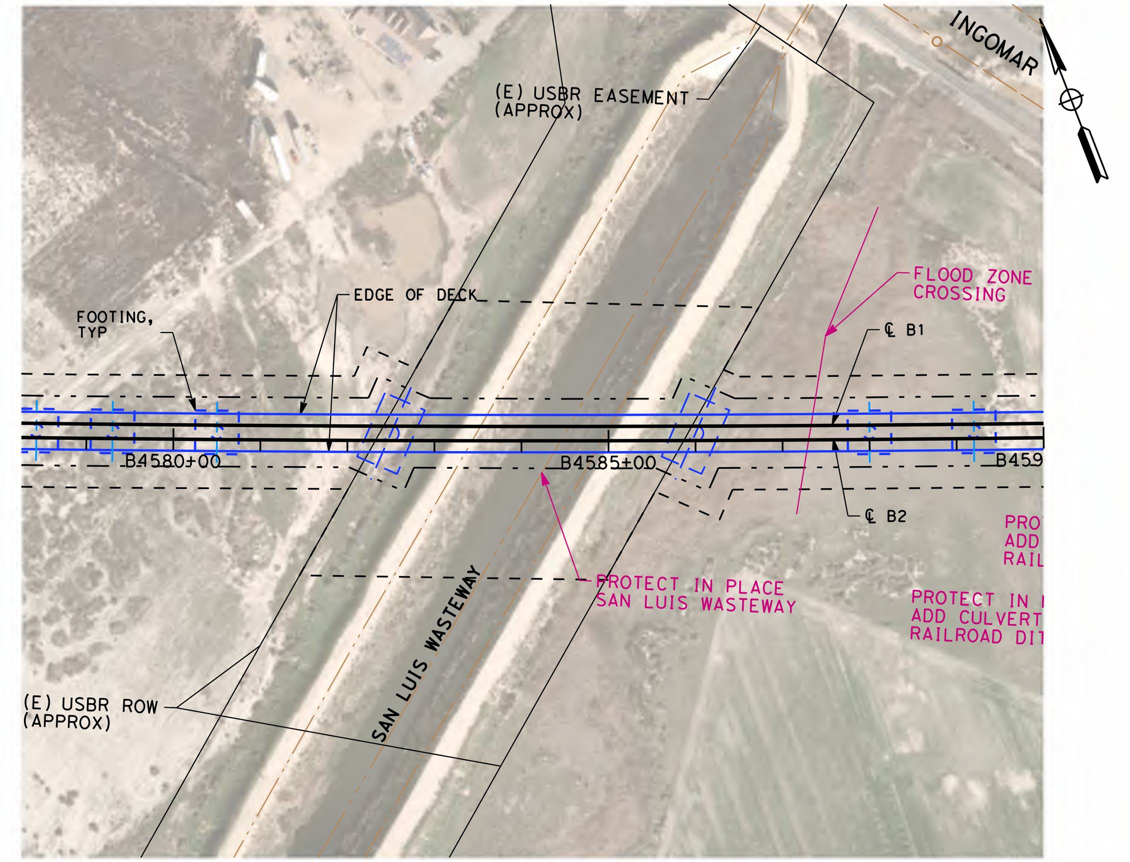
PLAN - CHEROKEE (LEVEE) RD
SCALE: 1"=200'
100 0 100 200
1"=200' HOR



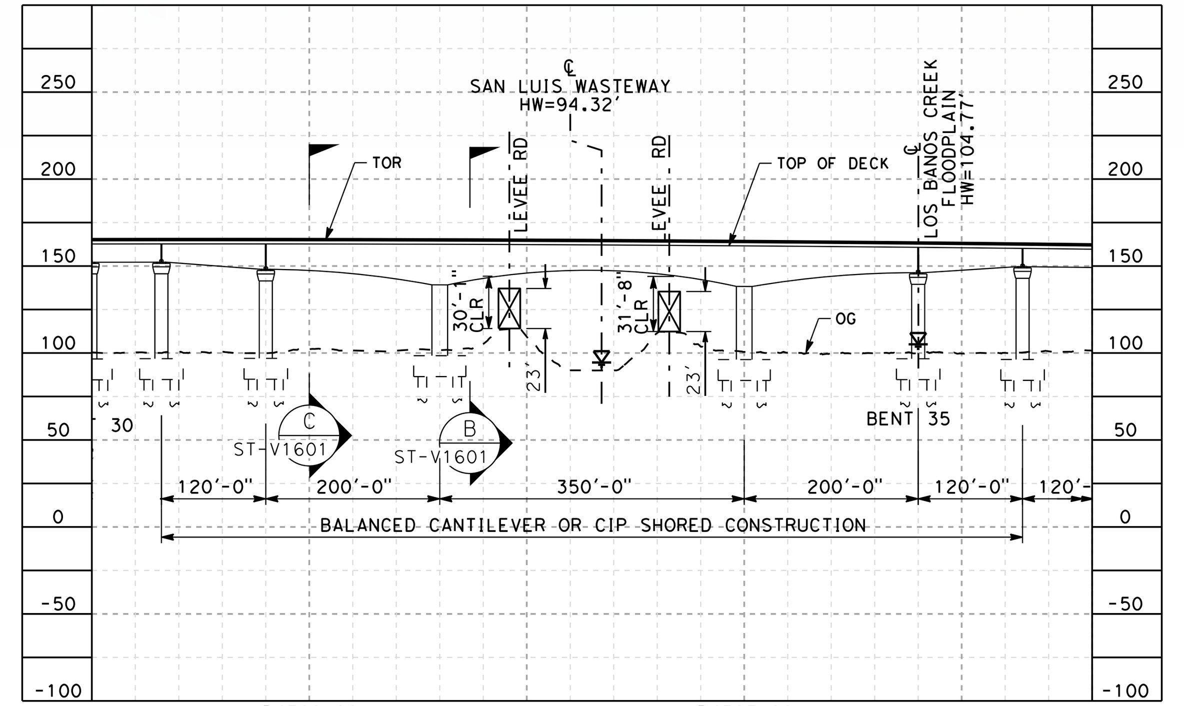
PROFILE - CHEROKEE (LEVEE) RD
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT



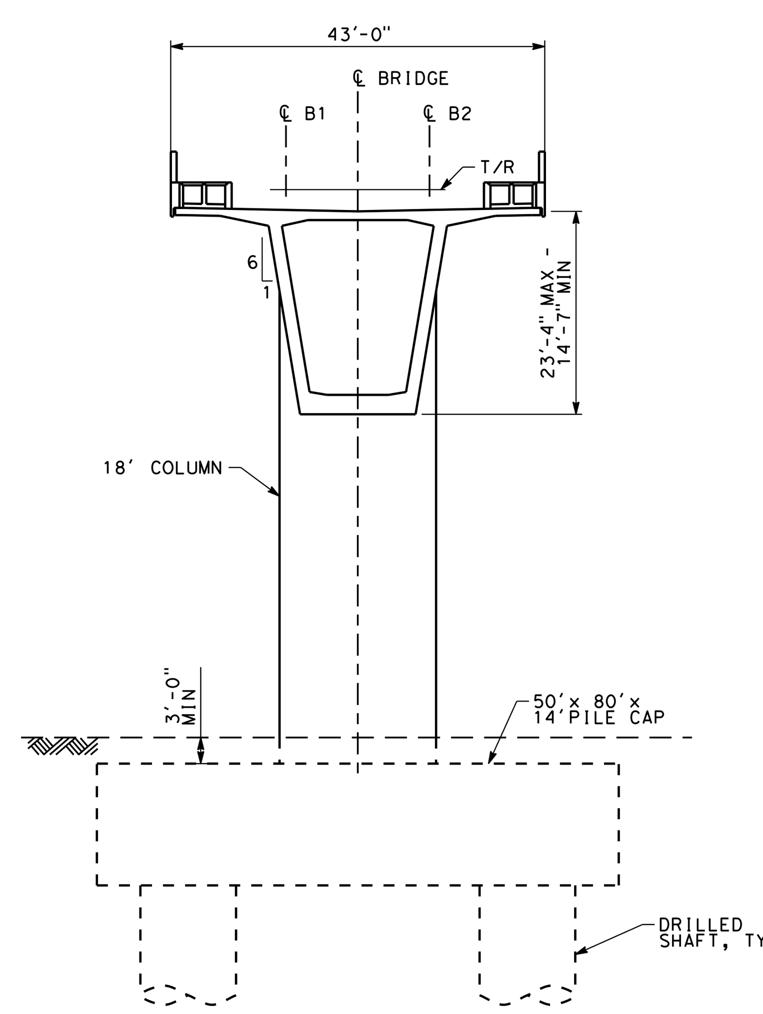
SECTION (A/-)
SCALE 1"=20'-0"
10 0 10 20
1"=20'



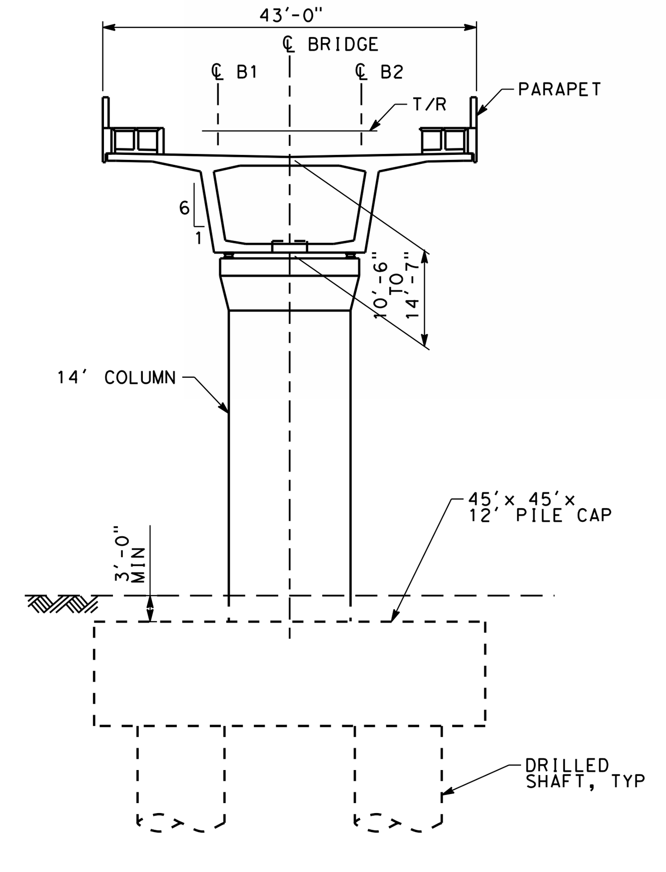
PLAN - SAN LUIS WASTEWAY
SCALE: 1"=200'
100 0 100 200
1"=200' HOR



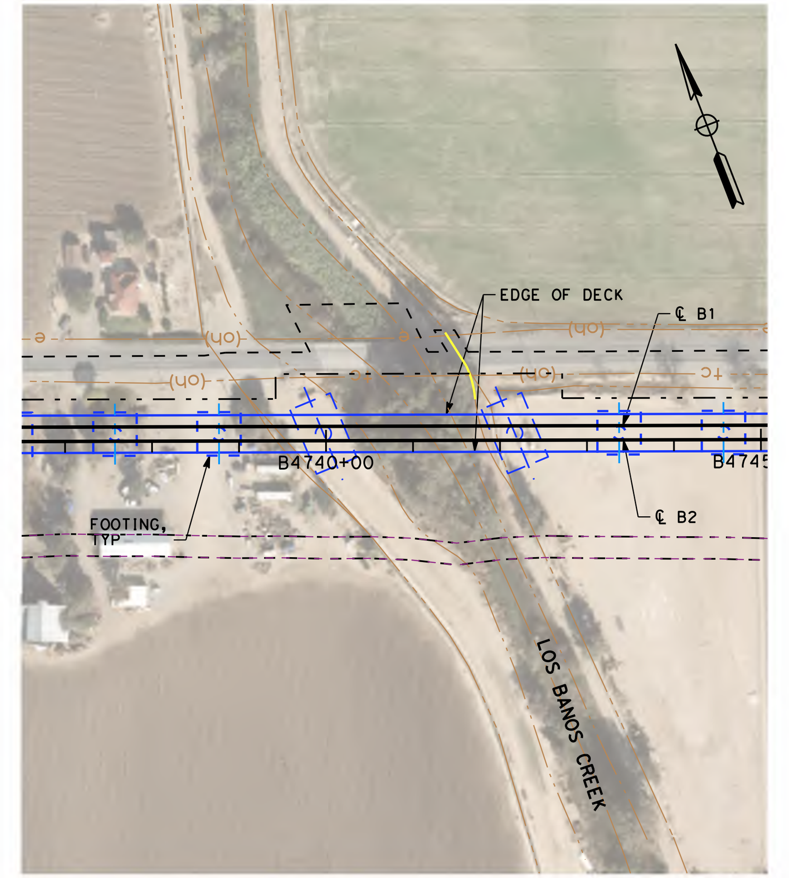
PROFILE - SAN LUIS WASTEWAY
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT



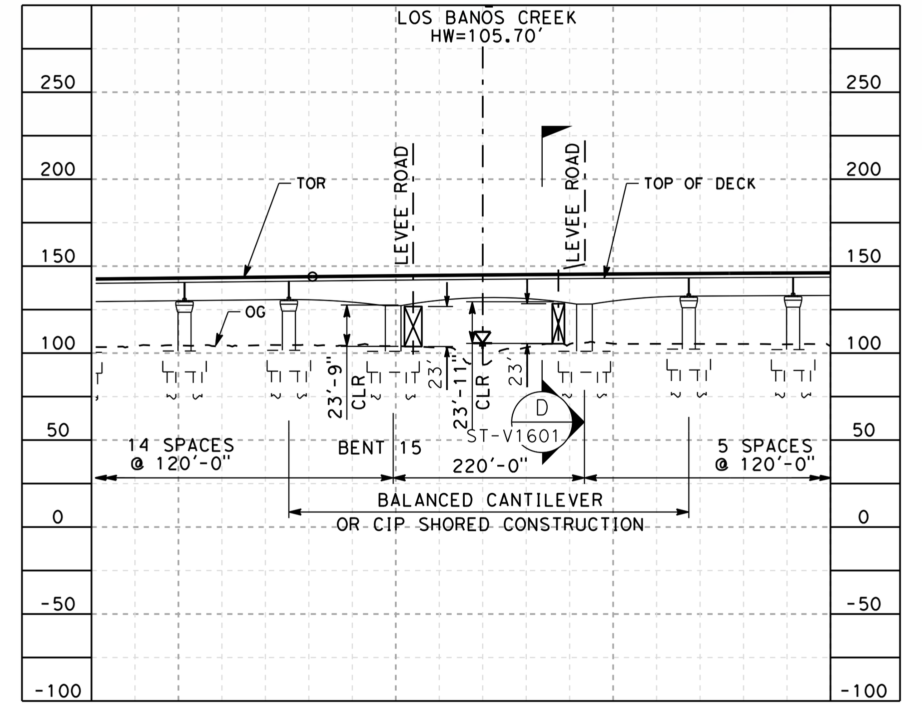
SECTION (B/-)
SCALE 1"=20'-0"



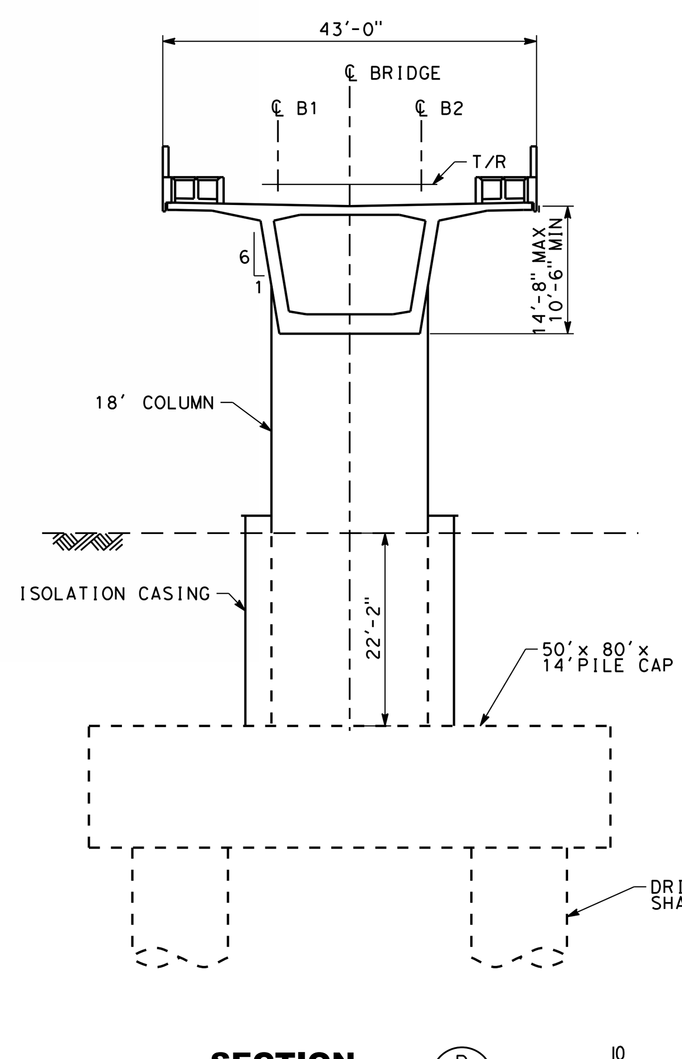
SECTION (C/-)
SCALE 1"=20'-0"
10 0 10 20
1"=20'



PLAN - LOS BANOS CREEK
SCALE: 1"=200'
100 0 100 200
1"=200' HOR



PROFILE - LOS BANOS CREEK
SCALE: 1"=200' HOR, 1"=100' VERT
50 0 50 100
1"=100' VERT



SECTION (D/-)
SCALE 1"=20'-0"
10 0 10 20
1"=20'

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 92 OF 193

RECORD PEPD SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD COMPLEX STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-34 DRAWING NO. ST-V1601 SCALE AS SHOWN SHEET NO.

rdeleon 4/30/2019 4:16:26 PM CAHSRP.tbl cvd_pdf_bw.pltcfg c:\caddlib\pw\rdeleon\46037_cahsr\dms17606\JM-RP-ST-V1601.dgn