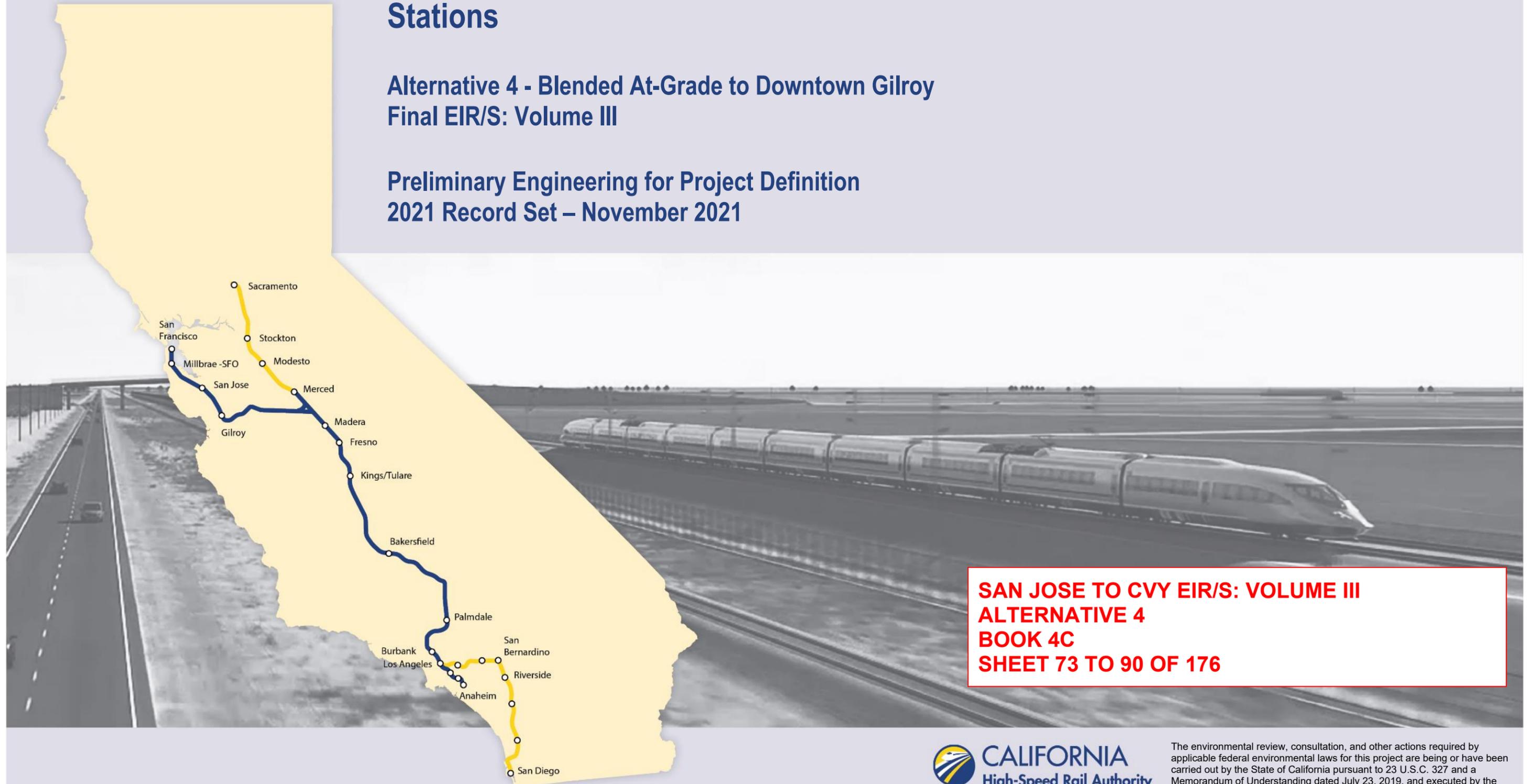


San Jose to Merced Project Section: San Jose to Central Valley Wye

Stations

Alternative 4 - Blended At-Grade to Downtown Gilroy
Final EIR/S: Volume III

Preliminary Engineering for Project Definition
2021 Record Set – November 2021



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 73 TO 90 OF 176**

ALTERNATIVE 4 - CP COAST TO DOWNTOWN GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK 4C	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 4	
BOOK 4C	B	GE-A0403	SAN JOSE DIRIDON STATION APPROACH, MORGAN HILL AND GILROY	STATIONS	INDEX OF DRAWING	SHEET 3 OF 6	
BOOK 4C	C	GE-D0401	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 4C	D	GE-D0402	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	SHEET 1 OF 2

STATIONS							
BOOK 4C	73	AR-C0201	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST TO PARK AVE	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	GENERAL SITE PLAN
BOOK 4C	74	AR-C0202	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST TO PARK AVE	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN
BOOK 4C	75	AR-F0201	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK 4C	76	AR-Y0201	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	SECTION
BOOK 4C	77	AR-Y0202	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1
BOOK 4C	78	AR-Y0203	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2
BOOK 4C	79	AR-Y0204	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	80	AR-Y0205	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	81	AR-Y0206	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	82	AR-C1201	MORGAN HILL AND GILROY	E 6TH ST TO E 10TH ST	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	GENERAL SITE PLAN
BOOK 4C	83	AR-C1202	MORGAN HILL AND GILROY	E 6TH ST TO E 10TH ST	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	DETAILED SITE PLAN
BOOK 4C	84	AR-F1201	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	CONCOURSE PLAN
BOOK 4C	85	AR-Y1201	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	SECTION
BOOK 4C	86	AR-Y1202	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	MASSING DIAGRAM 1
BOOK 4C	87	AR-Y1203	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	MASSING DIAGRAM 2
BOOK 4C	88	AR-Y1204	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 4C	89	AR-Y1205	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 4C	90	AR-Y1206	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4A
SHEET B**

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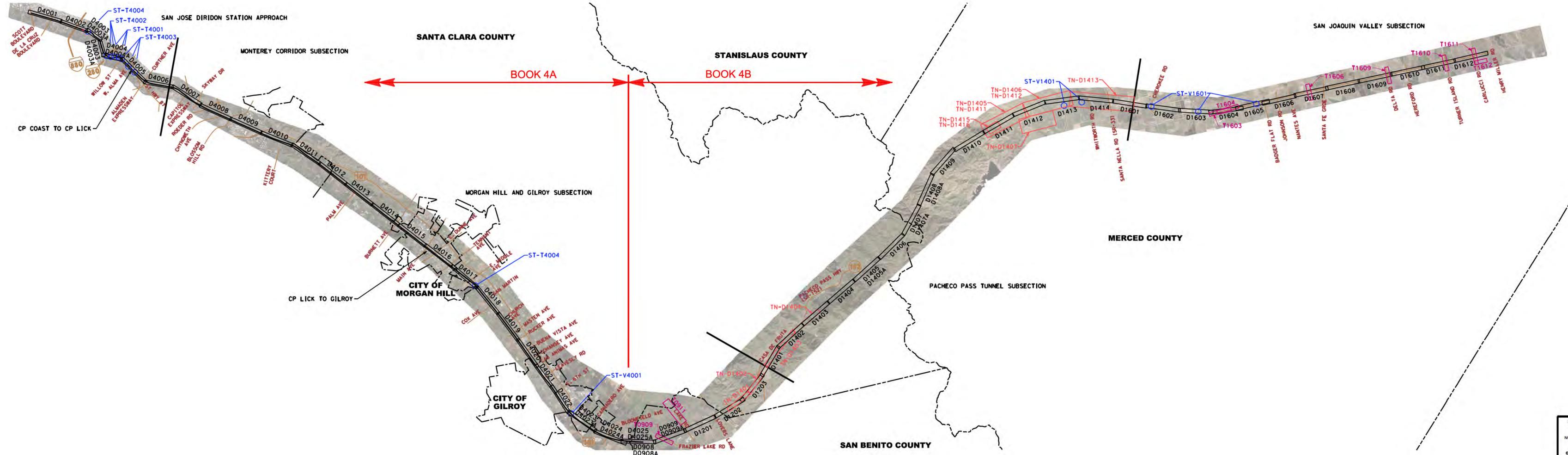


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 4
INDEX OF DRAWING
SHEET 3 OF 6**

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A0403
SCALE	NONE
SHEET NO.	

ALTERNATIVE 4 BOOK INDEX

- BOOK 4A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
- BOOK 4B: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS
- BOOK 4C: STATIONS
- BOOK 4D: STRUCTURES, ROADWAY, MAINTENANCE OF WAY
- BOOK 4E: TUNNELS - PACHECO PASS, CONSTRUCTION STAGING, ALIGNMENT DATA TABLES



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

LEGEND
KEY MAP LEGEND

	AERIAL ORTHO-PHOTO
	COMPOSITE ROLL PLOTS
	GRADE SEPARATION ROLL PLOTS
	TUNNEL ROLL PLOTS
	STRUCTURES ROLL PLOTS
	SECTION BREAK
	CITY LIMITS
	COUNTY LINE
	EXISTING ROAD

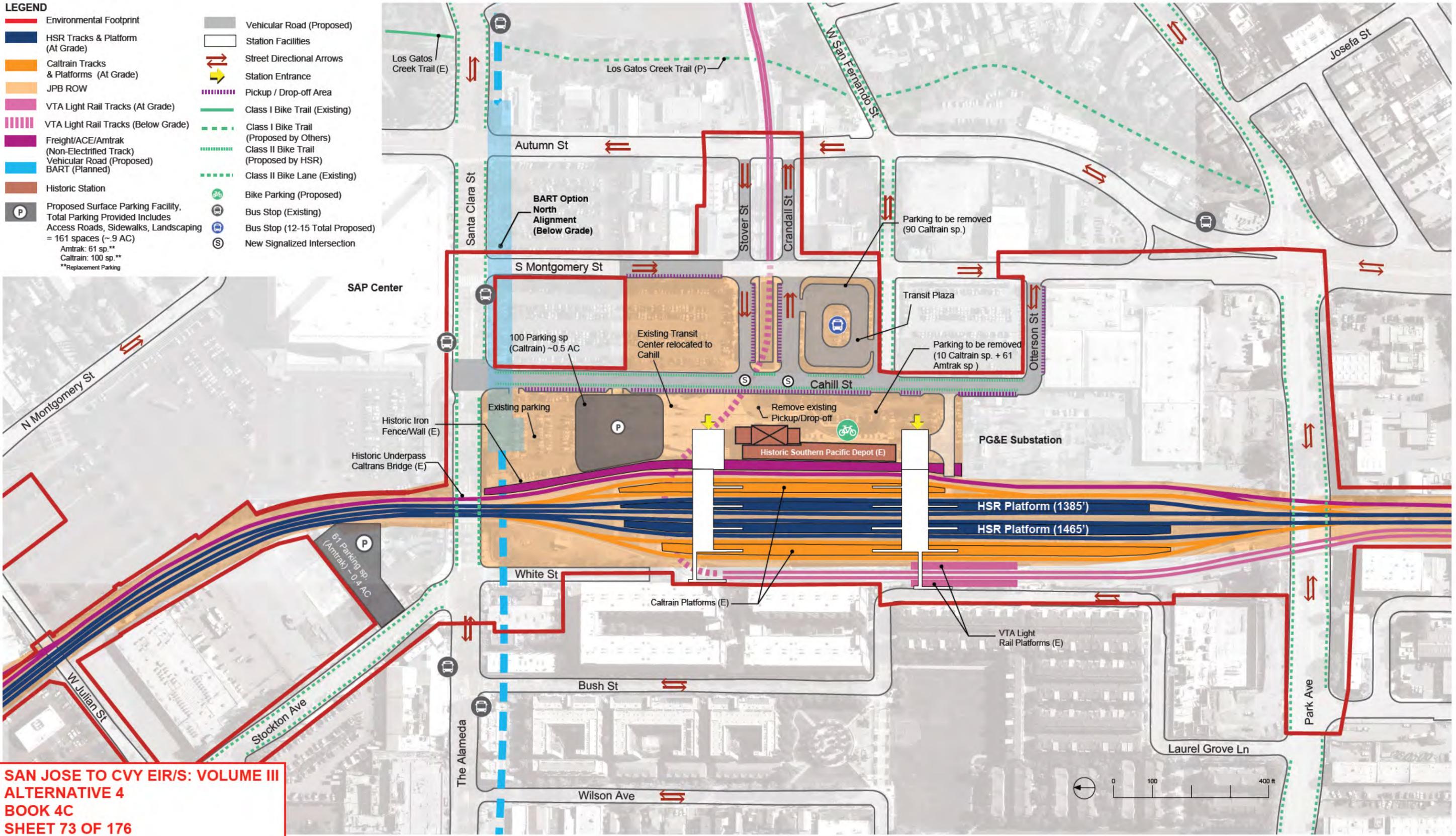
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4A
SHEET C



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1"=2000'

2021 RECORD SET PERD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED ALTERNATIVE 4 KEY MAP COMPOSITE PLAN	CONTRACT NO. MSR15-34 DRAWING NO. CE-D0401 SCALE AS SHOWN SHEET NO.
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- LEGEND**
- Environmental Footprint
 - HSR Tracks & Platform (At Grade)
 - Caltrain Tracks & Platforms (At Grade)
 - JPB ROW
 - VTA Light Rail Tracks (At Grade)
 - VTA Light Rail Tracks (Below Grade)
 - Freight/ACE/Amtrak (Non-Electrified Track)
 - Vehicular Road (Proposed) BART (Planned)
 - Historic Station
 - P Proposed Surface Parking Facility, Total Parking Provided Includes Access Roads, Sidewalks, Landscaping = 161 spaces (~.9 AC)
Amtrak: 61 sp.**
Caltrain: 100 sp.**
**Replacement Parking
 - Vehicular Road (Proposed)
 - Station Facilities
 - Street Directional Arrows
 - Station Entrance
 - Pickup / Drop-off Area
 - Class I Bike Trail (Existing)
 - Class I Bike Trail (Proposed by Others)
 - Class II Bike Trail (Proposed by HSR)
 - Class II Bike Lane (Existing)
 - B Bike Parking (Proposed)
 - B Bus Stop (Existing)
 - B Bus Stop (12-15 Total Proposed)
 - S New Signalized Intersection



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 73 OF 176**

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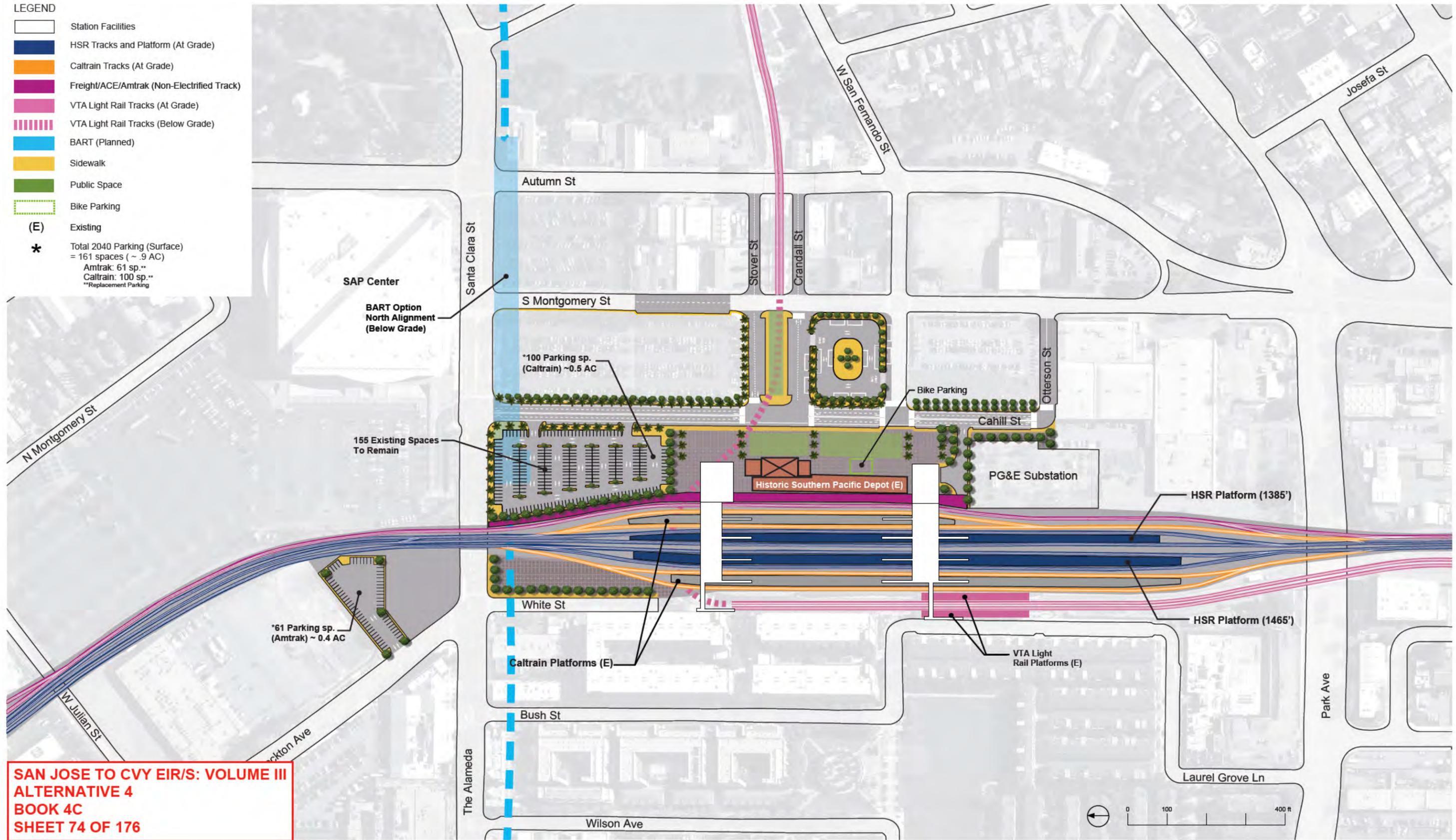
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
GENERAL SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0201
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SHEET NO.	

- LEGEND**
- Station Facilities
 - HSR Tracks and Platform (At Grade)
 - Caltrain Tracks (At Grade)
 - Freight/ACE/Amtrak (Non-Electrified Track)
 - VTA Light Rail Tracks (At Grade)
 - VTA Light Rail Tracks (Below Grade)
 - BART (Planned)
 - Sidewalk
 - Public Space
 - Bike Parking
 - (E) Existing
 - * Total 2040 Parking (Surface) = 161 spaces (~.9 AC)
Amtrak: 61 sp.**
Caltrain: 100 sp.**
**Replacement Parking



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 74 OF 176**



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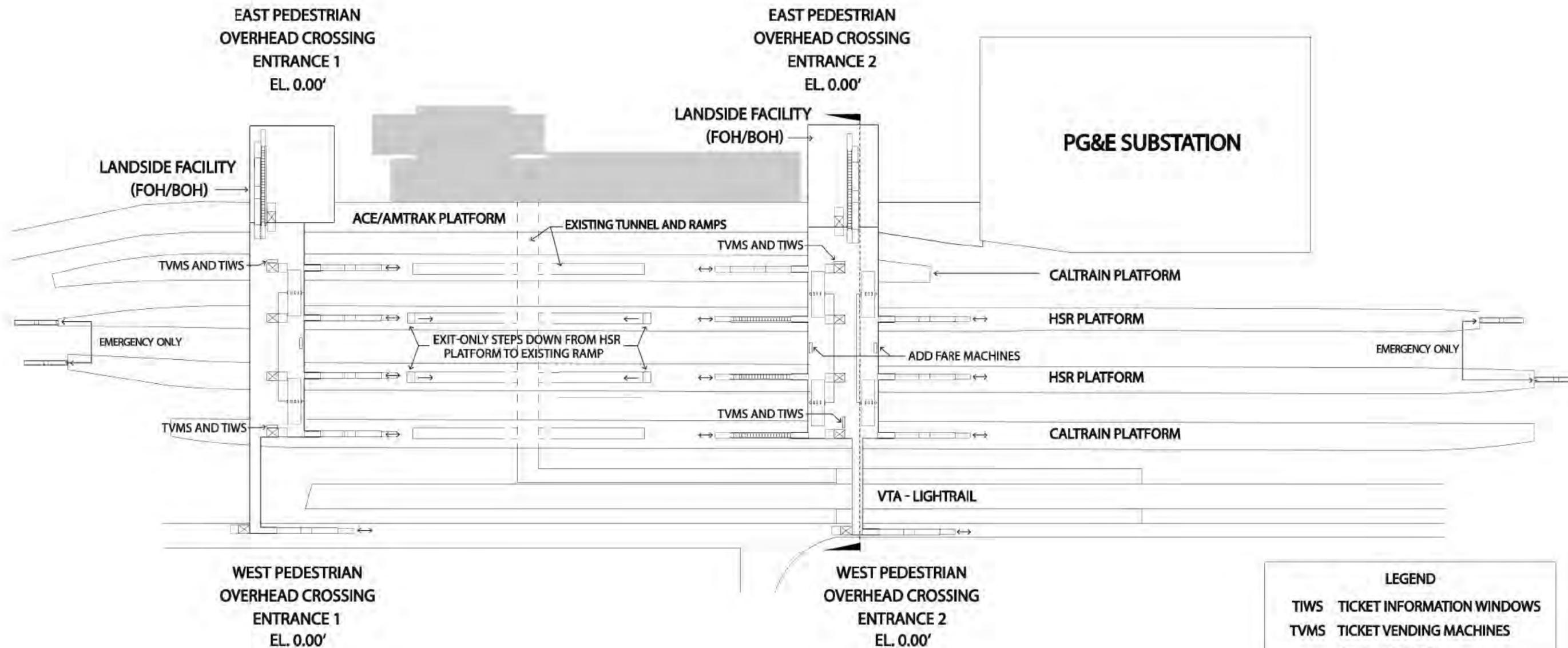
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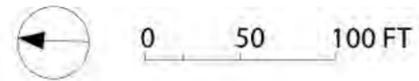
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High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
DETAILED SITE PLAN

CONTRACT NO.	HSR15-34
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SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 75 OF 176**



LEGEND	
TIWS	TICKET INFORMATION WINDOWS
TVMS	TICKET VENDING MACHINES
—	QUEUING SPACE
ACE	ALTAMONT CORRIDOR EXPRESS
HSR	CA HIGH SPEED RAIL
VTA	SANTA CLARA VALLEY TRANSPORTATION AUTHORITY

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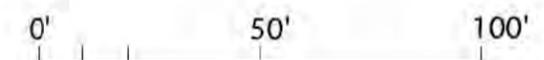
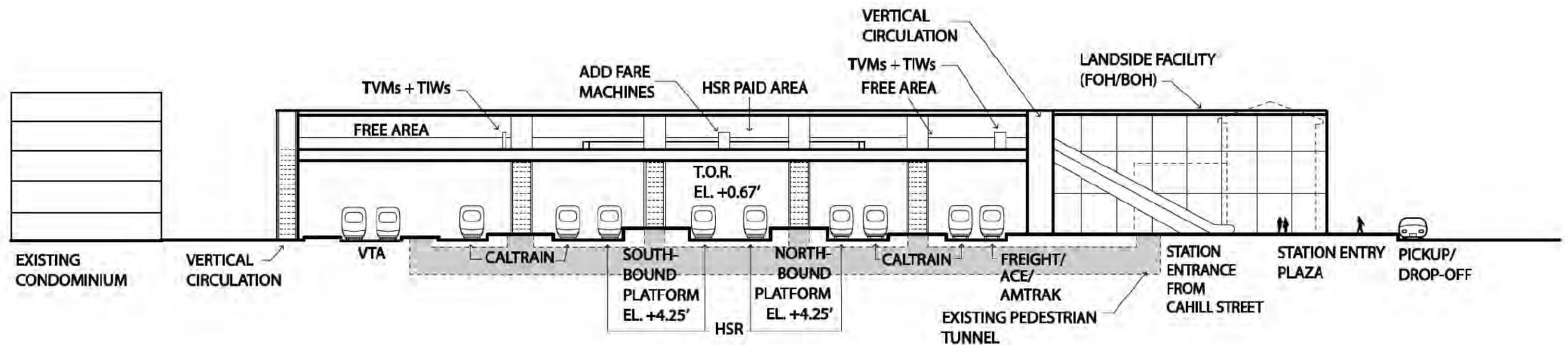
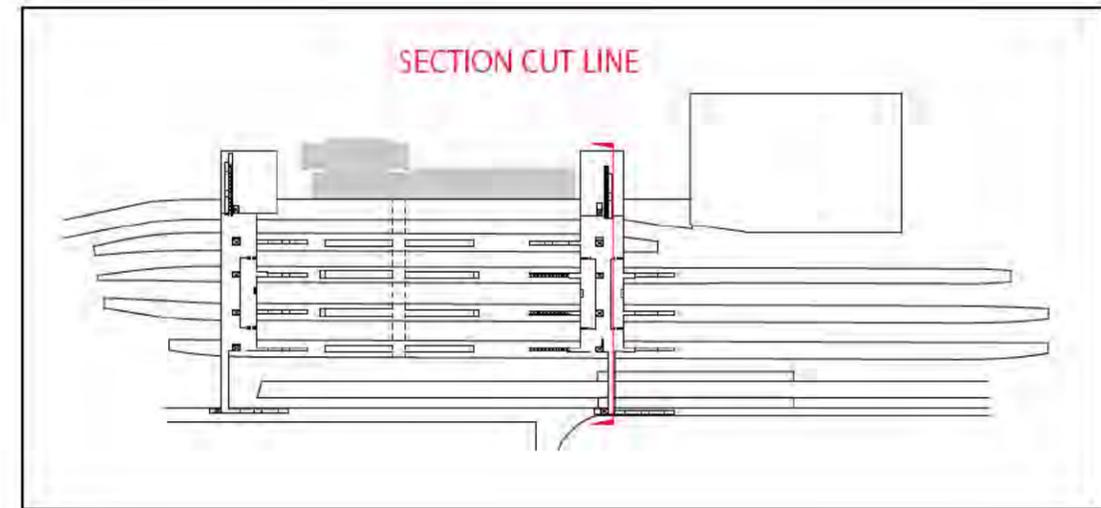


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
CONCOURSE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-F0201
SCALE	AS SHOWN
SHEET NO.	

LEGEND

TIWS	TICKET INFORMATION WINDOWS
TVMS	TICKET VENDING MACHINES
ACE	ALTAMONT CORRIDOR EXPRESS
HSR	CA HIGH SPEED RAIL
VTA	SANTA CLARA VALLEY TRANSPORTATION AUTHORITY



SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 4
 BOOK 4C
 SHEET 76 OF 176

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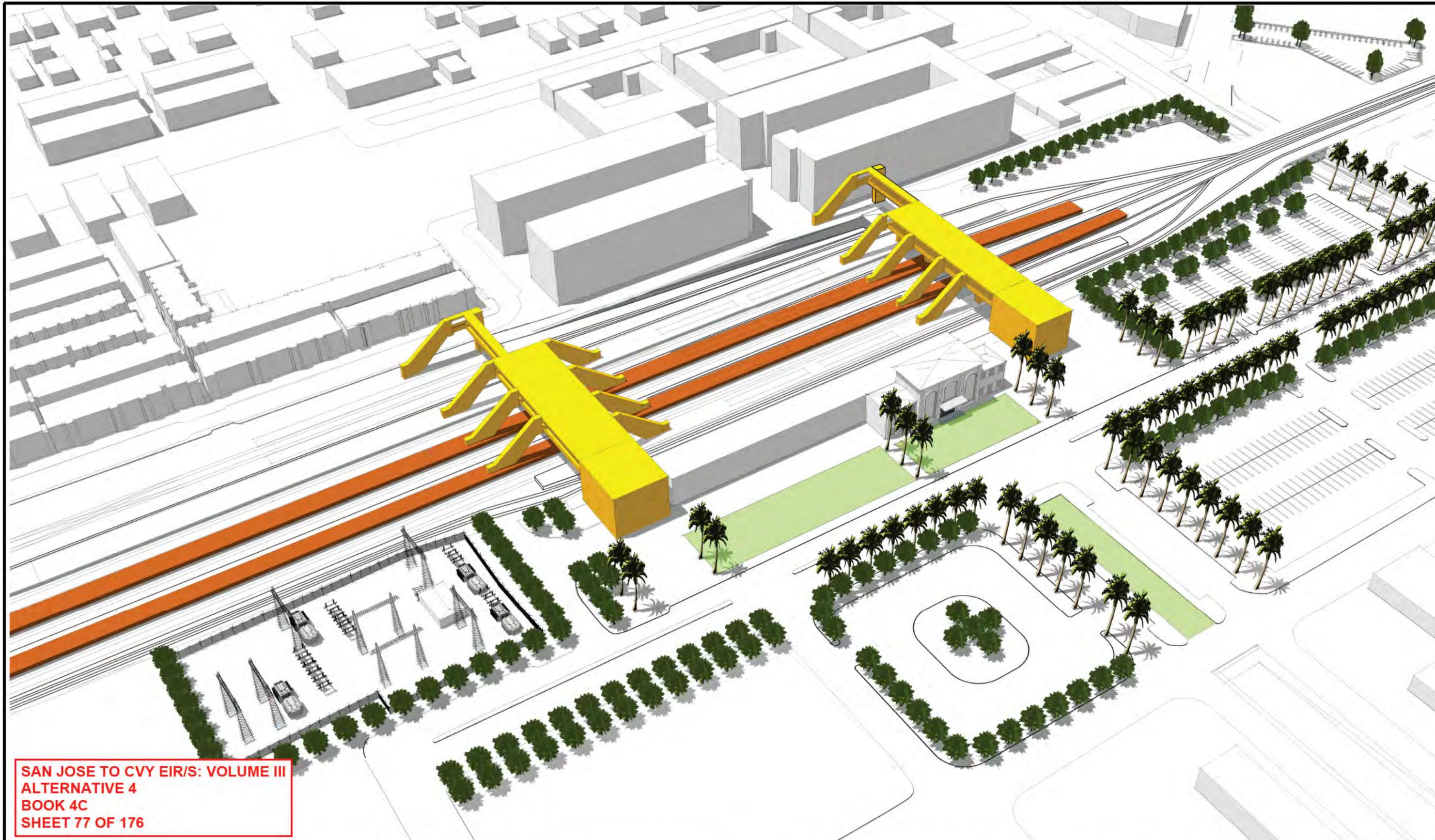
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 SAN JOSE DIRIDON STATION APPROACH
 BLENDED AT-GRADE ALTERNATIVE
 SAN JOSE DIRIDON STATION
 SECTION

CONTRACT NO.	HSR15-34
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SCALE	AS SHOWN
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 77 OF 176**

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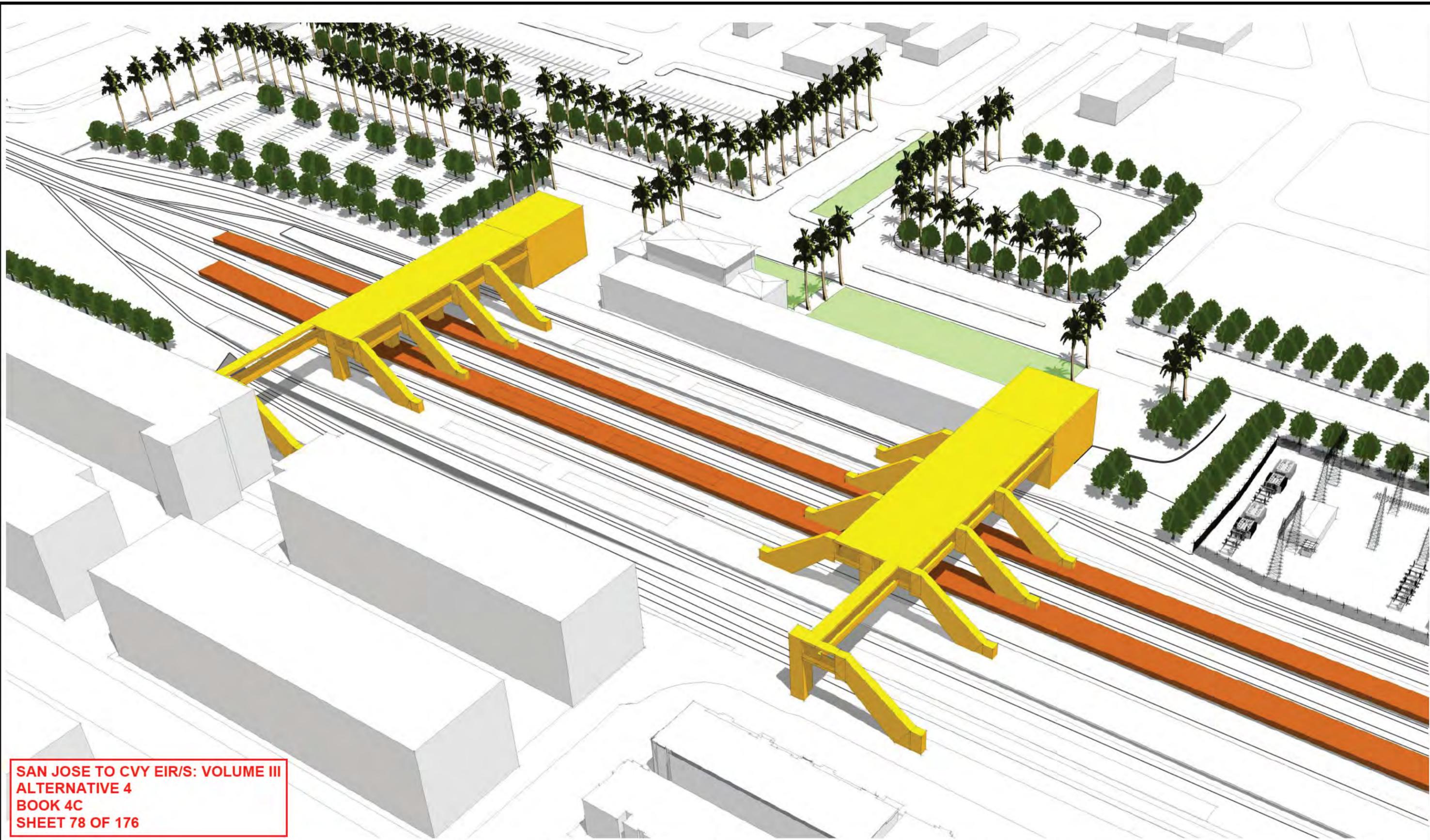
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
MASSING DIAGRAM 1

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0202
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 78 OF 176**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
MASSING DIAGRAM 2

CONTRACT NO. HSR15-34
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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	$(P15B+P15A)/(15 \times 10 \text{ people/ft/min})$ or 16 ft min. $(222+167)/(15 \times 10 \text{ people/ft/min})$	16	
Wf	Net Waiting Area in Concourse Free Public Area	$((P15B \times 1.1) + (P15A \times 0.1)) \times 14 \text{ SF} - ((222 \times 1.1) + (167 \times 0.1)) \times 14$	9,396	
Public Restrooms	Women + Men + Unisex Accessible Restroom for Each Group	$(P15B+P15A) / 2 - (222+167) / 2$	499.8	
Passenger Amenity Space Allocation	Station Design Target Year Daily Boardings	9,000	9,000	California HSTP Design Criteria, Chapter 14 - Stations, March Rev. 2 14.3.5.5 Station Public Amenity (Commercial) Spaces, Table 14-7
Ticket Windows	Station Quantity	P60B/600 1765/600	3	
Ticket Vending Machines		P60B/280 1765/280	6	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 430/50 One additional gate to be provided if under 10	9	14.3.5.6 D
Emergency Gate:			2	14.3.3.6
Sr	Seating at Concourse Fare Free Waiting Area	$((P15B \times 1.1) + (P15A \times 0.1)) \times 0.25$	1,581	Table 14-22: Station Seating

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 79 OF 176**

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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)	27,600	1.2	29,987	$P15 \times 30 \text{ SF} / \text{person} \times 389 \times 30$	14.3.5.3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Minimal Viable Product
	Entrances					14.3.5.2	
	Mezzanine						
	Passenger Waiting Area	200	1.2	9,396	$((P15B \times 1.1) + (P15Ax0.1)) \times 14 \text{ SF}$	14.3.5.3.B.C Table 14-3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Front of House Facilities
	Ticket Vending Machines (TVM)	188	1.2	6	$P60B/280, 1765/280$	Table 14-5	Includes queuing space
	Baggage Storage (Concessionaire)	NA					TBD
	Retail (Concessionaire)	800	1.2	9,000		Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Front of House Facilities
	Restaurant (Concessionaire)	NA				Table 14-7	Included in the 9,000 SF
	Food Service (Concessionaire)	1,800				Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Front of House Facilities
	Business Lounge	NA	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	200	1.2	2040	$CBC \ 2016, CPC \ 2016 \ (P15B + P15A)/2$	14.3.5.4	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' 1.4.3.5 Restrooms.
Janitor Closets	NA	1.2	240	60×4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.	
Standard Areas	Ticket Window Counters	200	2	150	Window Counter 5F min. 75 SF/window (2 windows) $P50B/600, 1,765/600$	14.3.5.6.B 14.3.5.7A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Front of House Facilities
	Station Patron Information Booth	NA	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
	Red "Cap" Booth						TBD
Security	Police Office	NA	2	500		14.3.6.2.A	
	Police Restrooms + Lockers			TBD	$CBC \ 2016, CPC \ 2016$		
	Janitor Closets	NA	2	60		14.3.7.1.D	
	Security Guard Office	NA	2	144		14.3.6.2.B	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 80 OF 176**

					DESIGNED BY	2021 RECORD SET PEPP NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOSE DIRIDON STATION APPROACH BLENDED AT-GRADE ALTERNATIVE SAN JOSE DIRIDON STATION FACILITY SIZING TABLE			CONTRACT NO. HSR15-34
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					CHECKED BY				SCALE AS SHOWN			
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 81 OF 176**

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	100	2	200	100 SF x (2)	14.3.6.1.E-F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Station Control Room (SCR)	1,400	2	1,100		14.3.6.2.E	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Main Station Computer Room	1,000	2	500		14.3.6.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Temporary Incident Command Post (CPI)	NA	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	1,300	2	1,100		14.3.6.2.H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	SOR Dedicated Computer Room, SOR Workroom	500	2	500		14.3.6.2.F-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Main OCC Computer Room	500	2	500		14.6.3.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Staff Lockers, Showers, Restrooms	NA	2		CRC 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	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Staff Breakroom & Meeting Rooms	600	2	400	200 SF x (2)	14.3.6.1.G-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Station Manager Office	200	2	144		14.3.6.1.A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Facility Manager's Office	NA	2	144		14.3.6.1.C	
	Administration Office Space	NA	2	300		14.3.6.1.B	
	Facilities Maintenance Office	NA	2	330		14.3.6.1.C	
	Station General Storage Rooms	NA	2	200		14.3.7.1.E	Add 60 SF for miscellaneous storage if required.
	Platform Area Op. Mgt. Booth	NA	1	100	Standard Unit	14.3.6.2.I	One OMB to be provided on each platform.
	Train Control /Communications Room	1,500	2	1,915		14.3.7.2	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Entrance Facility Room	NA	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	NA	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	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'	
Renewable Energy/Stormwater			TBD				
Building Services & Plant Rooms	Mech., Elec. & Plumbing Rooms			TBD	Gross Factor	14.3.7.2	
	Battery Room	420	2	400	200 SF x (2)	14.3.7.4.B	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	UPS Room	NA	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	NA	2	150	150 SF min.	14.3.7.1.A	
	Secondary Station Recycling	NA	2	60		14.3.7.1.C	
	Landscape Maintenance Room	NA	2	100		14.3.7.1.F	
	Loading Dock			TBD		14.3.7.1.H	
TOTAL AREA - ENTRANCES & CONCOURSE:		39,408	SF				
	Platform Area (800'x30')x2	48,000					
	Bus Bays						Included in Cahill transit street improvement
	Parking Area						No parking for ISR provided
	Pickup and Drop-off						Included in Cahill transit street improvement

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NOVEMBER 30, 2021
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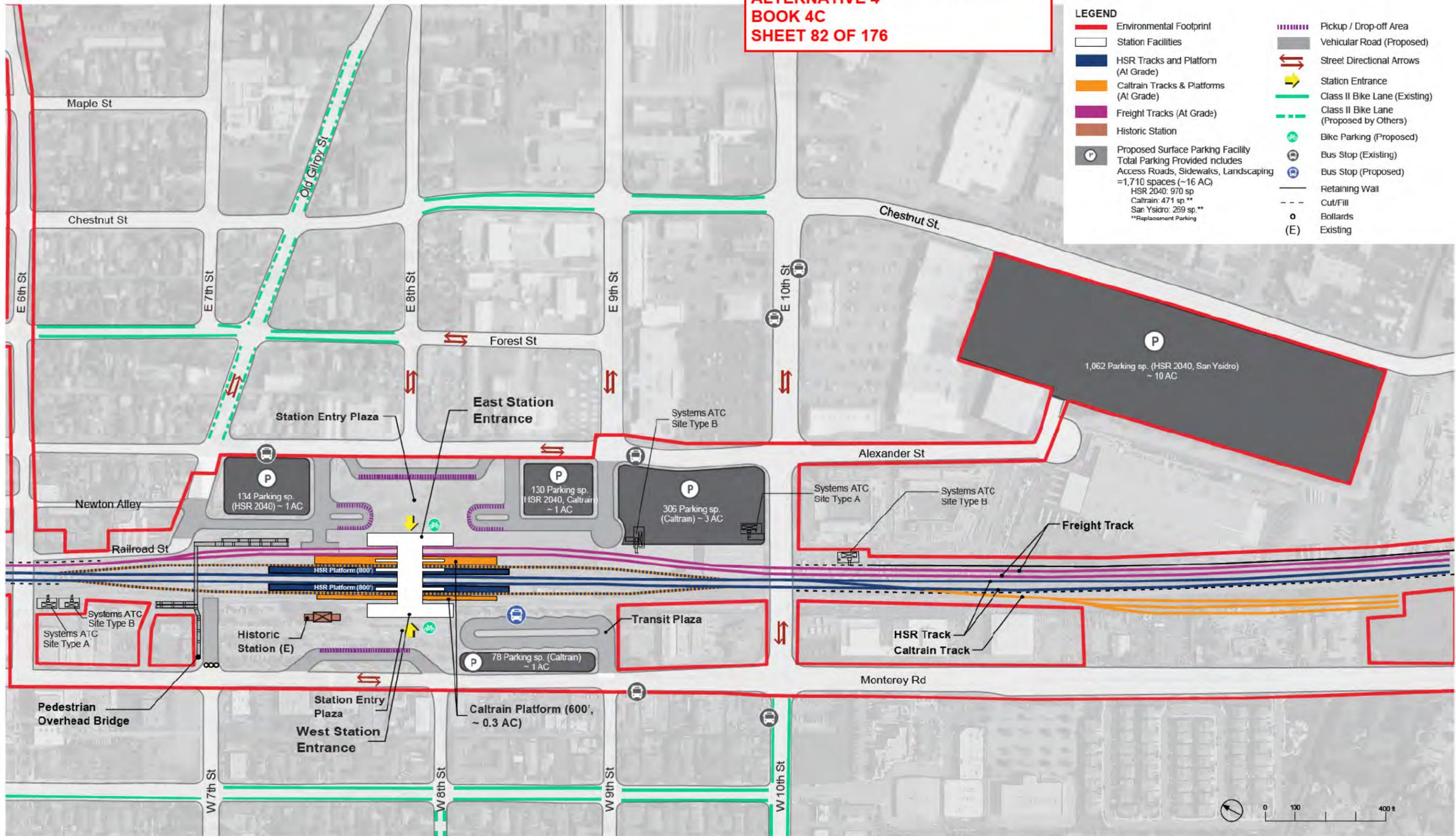
CALIFORNIA High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
FACILITY SIZING TABLE

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y0206
SCALE	AS SHOWN
SHEET NO.	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 82 OF 176**

- LEGEND**
- Environmental Footprint
 - Station Facilities
 - HSR Tracks and Platform (At Grade)
 - Caltrain Tracks & Platforms (At Grade)
 - Freight Tracks (At Grade)
 - Historic Station
 - Proposed Surface Parking Facility
Total Parking Provided includes
Access Roads, Sidewalks, Landscaping
=1,710 spaces (~16 AC)
HSR 2040: 970 sp
Caltrain: 471 sp**
San Ysidro: 269 sp.**
**Replacement Parking
 - Pickup / Drop-off Area
 - Vehicular Road (Proposed)
 - ↔ Street Directional Arrows
 - ↓ Station Entrance
 - Class II Bike Lane (Existing)
 - Class II Bike Lane (Proposed by Others)
 - Bike Parking (Proposed)
 - Bus Stop (Existing)
 - Bus Stop (Proposed)
 - Retaining Wall
 - Cut/Fill
 - Bollards
 - (E) Existing



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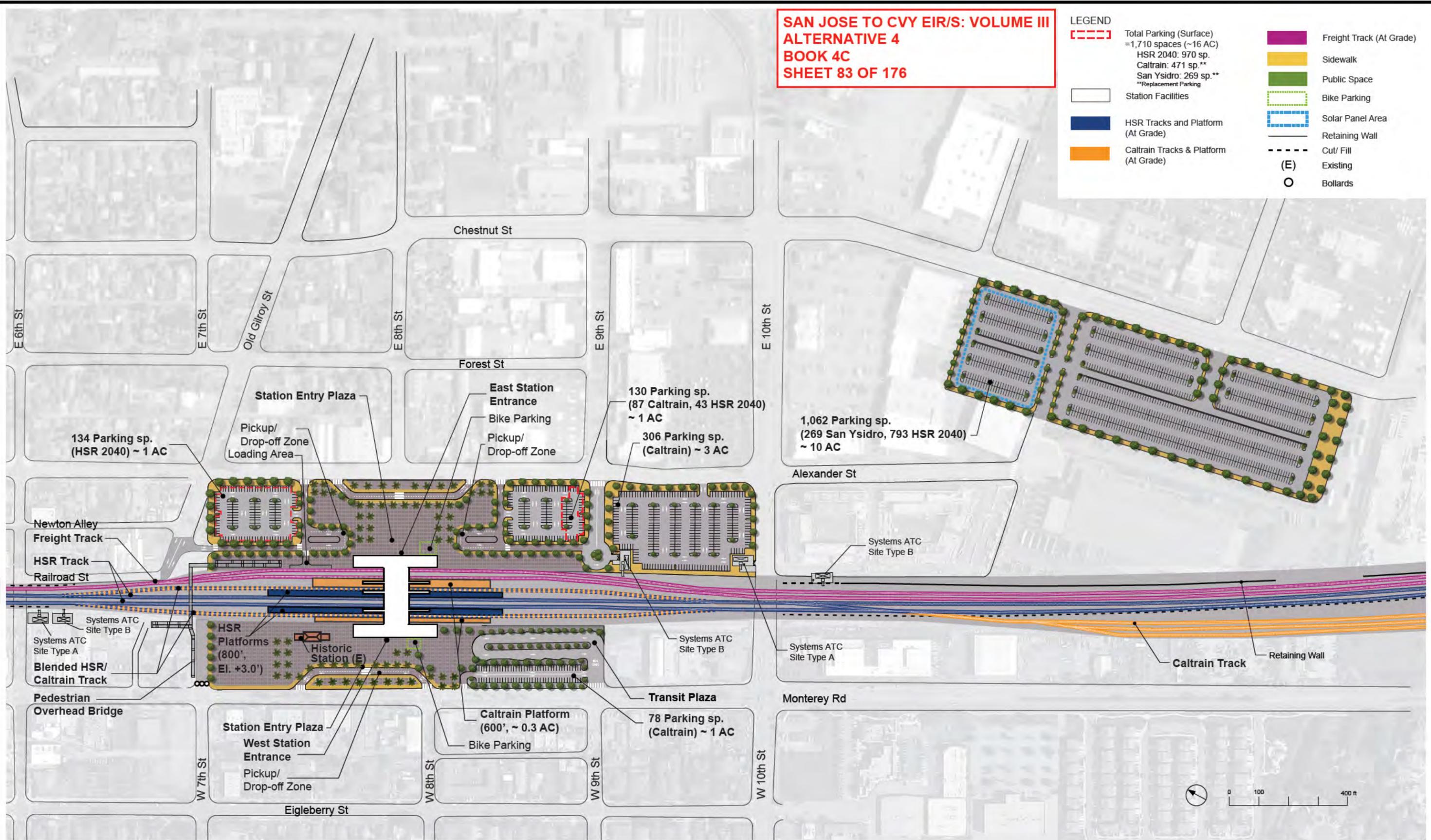
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
GENERAL SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C1201
SCALE	AS SHOWN
SHEET NO.	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 83 OF 176**

LEGEND

- Total Parking (Surface) = 1,710 spaces (~16 AC)
HSR 2040: 970 sp.
Caltrain: 471 sp.**
San Ysidro: 269 sp.**
**Replacement Parking
- Station Facilities
- HSR Tracks and Platform (At Grade)
- Caltrain Tracks & Platform (At Grade)
- Freight Track (At Grade)
- Sidewalk
- Public Space
- Bike Parking
- Solar Panel Area
- Retaining Wall
- Cut/ Fill
- Existing
- Bollards



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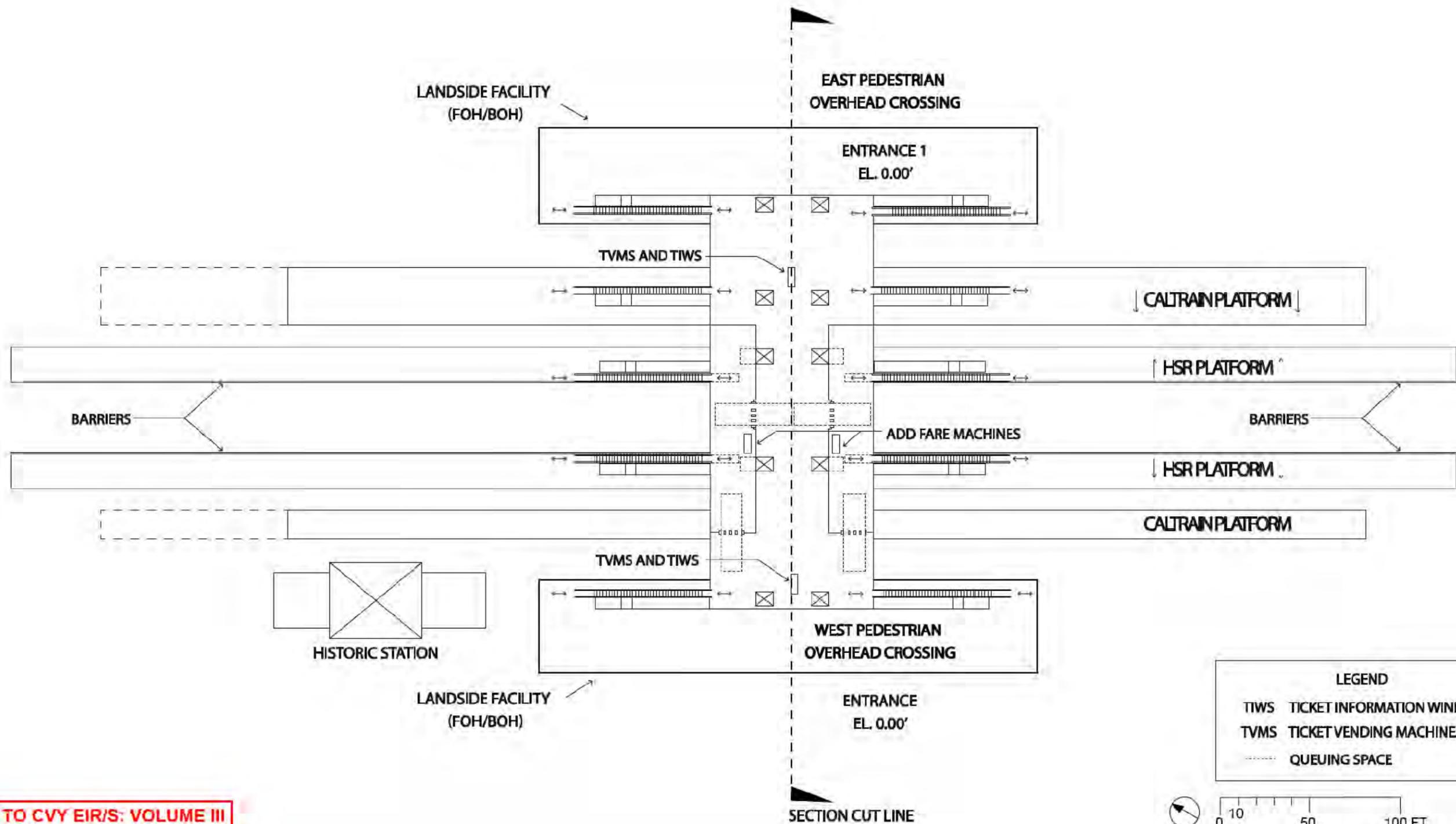
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
DETAILED SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C1202
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 84 OF 176**

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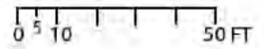
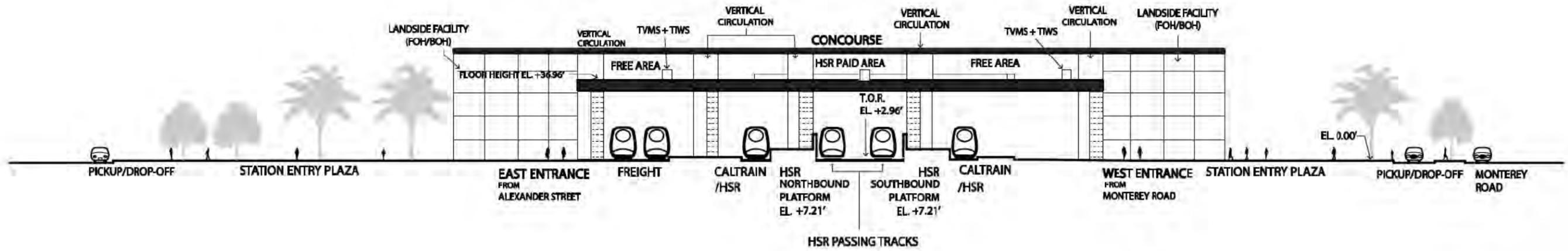
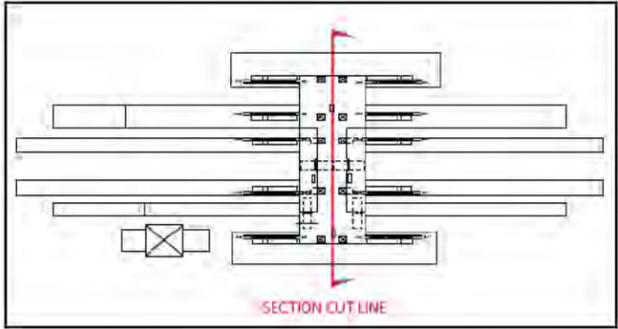
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CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
CONCOURSE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-F1201
SCALE	AS SHOWN
SHEET NO.	

LEGEND	
TIWS	TICKET INFORMATION WINDOWS
TVMS	TICKET VENDING MACHINES
HSR	CA HIGH SPEED RAIL



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 85 OF 176**

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CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
SECTION

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y1201
SCALE	AS SHOWN
SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 86 OF 176**

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NOVEMBER 30, 2021

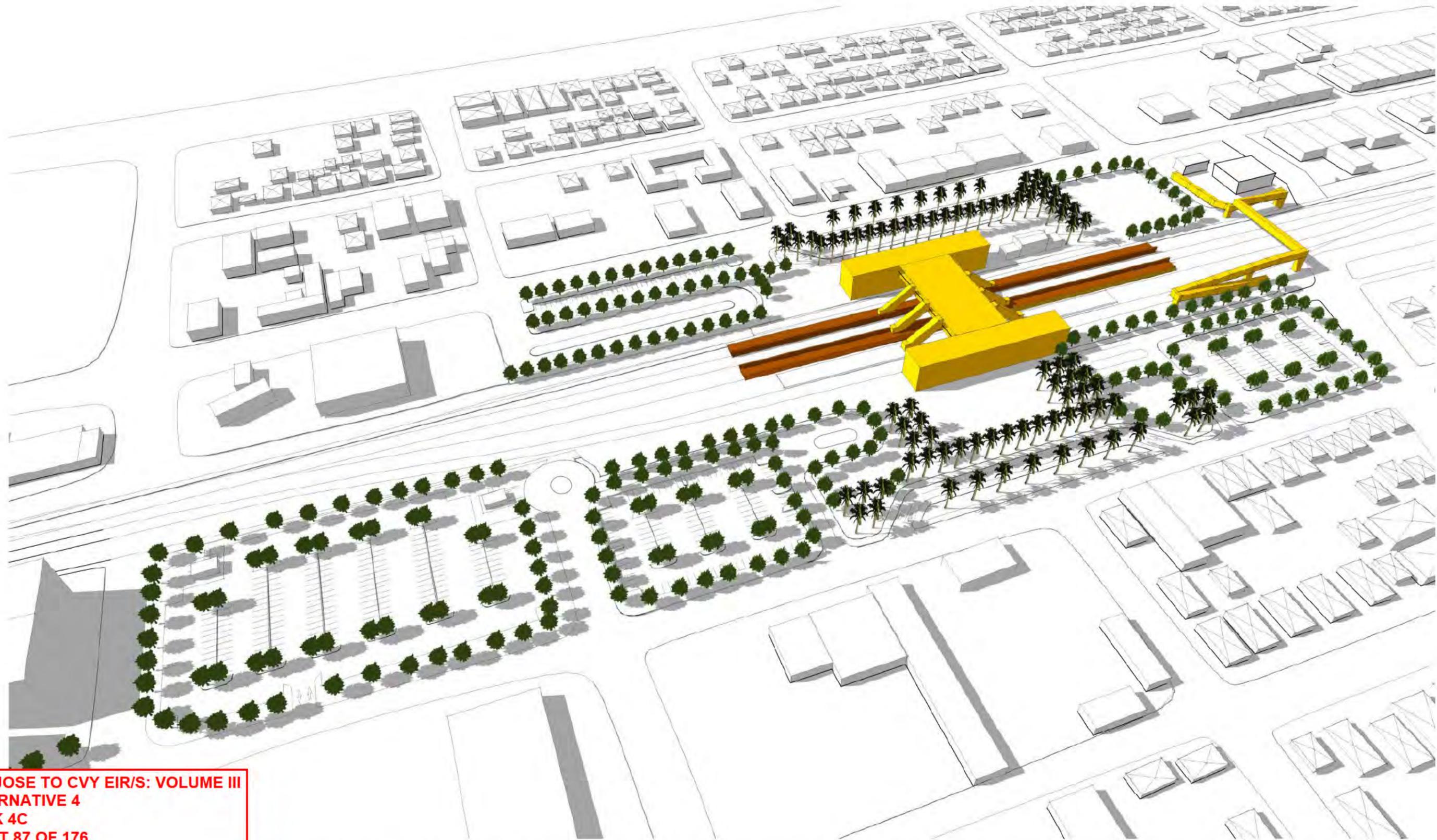
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
MASSING DIAGRAM 1

CONTRACT NO.
HSR15-34
DRAWING NO.
AR-Y1202
SCALE
AS SHOWN
SHEET NO.



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 87 OF 176**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED**
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
MASSING DIAGRAM 2

CONTRACT NO.
HSR15-34
DRAWING NO.
AR-Y1203
SCALE
AS SHOWN
SHEET NO.

Downtown Gilroy Station - ALT 4 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)	15,000	1.2	12,000	$P15 \times 30 \text{ SF/person } 385 \times 30$	14.3.5.3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for Minimal Viable Product
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Mezzanine						Included with the concourse area
	Passenger Waiting Area	200	1.2	3,782	$((P15B \times 1.1) + (P15A \times 0.1)) \times 14 \text{ SF}$	14.3.5.3.B.C Table 14-3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Front of House Facilities'
	Ticket Vending Machines (TVM)	121		3	$P60B/280, 683/280$	Table 14-5	Includes queuing space
	Baggage Storage (Concessionaire)	NA					TBD
	Retail (Concessionaire)	800	1.2	6,000		Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Front of House Facilities'
	Restaurant (Concessionaire)	NA				Table 14-7	Included in the 6,000 SF
	Food Service (Concessionaire)	1800				Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Front of House Facilities'
	Business Lounge	NA	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	200	1.2	1040	$CBC 2016, CPC 2016 (P15B + P15A)/2$	14.3.5.4	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' 1.4.3.5 Restrooms.
Janitor Closets	NA	1.2	240	60×4	14.3.7.1.D	Located in concourse free area platform, and each restroom.	
Standard Areas	Ticket Window Counters	200	2	150	$\text{Window Counter SF min. } 75 \text{ SF/window (2 windows)}$ $P60B/600, 683/600$	14.3.5.6.B 14.3.5.7A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Front of House Facilities'
	Station Patron Information Booth	NA	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
	Red "Cap" Booth						TBD
Security	Police Office	NA	2	500		14.3.6.2.A	
	Police Restrooms + Lockers			TRD	$CBC 2016, CPC 2016$		
	Janitor Closets	NA	2	60		14.3.7.1.D	
	Security Guard Office	NA	2	144		14.3.6.2.B	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 89 OF 176**

<table border="1"> <tr><td>DESIGNED BY</td><td></td></tr> <tr><td>DRAWN BY</td><td></td></tr> <tr><td>CHECKED BY</td><td></td></tr> <tr><td>IN CHARGE</td><td></td></tr> <tr><td>DATE</td><td></td></tr> </table>					DESIGNED BY		DRAWN BY		CHECKED BY		IN CHARGE		DATE		<p>2021 RECORD SET PEPP</p> <p>NOVEMBER 30, 2021</p> <p>NOT FOR CONSTRUCTION</p>		 <p>1111 Broadway 9th Floor Oakland, CA 94607</p>				<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT</p> <p>SAN JOSE TO MERCED</p> <p>MORGAN HILL AND GILROY BLENDED AT-GRADE ALTERNATIVE DOWNTOWN GILROY STATION FACILITY SIZING TABLE</p>		<p>CONTRACT NO. HSR15-34</p> <p>DRAWING NO. AR-Y1205</p> <p>SCALE AS SHOWN</p> <p>SHEET NO.</p>	
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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 90 OF 176**

Downtown Gilroy Station - ALT 4 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	NA	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	100	2	200	100 SF x (2)	14.3.6.1.E-F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Station Control Room (SCR)	1400	2	1,100		14.3.6.2.E	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Main Station Computer Room	1000	2	500		14.3.6.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Temporary Incident Command Post (CP)	NA	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	1300	2	1,100		14.3.6.2.H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	SCR Dedicated Computer Room, SDR Workroom	500	2	500		14.3.6.2.F-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Main OCC Computer Room	500	2	500		14.6.3.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Staff Lockers, Showers, Restrooms	NA	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	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Staff Breakroom & Meeting Rooms	600	2	400	200 SF x (2)	14.3.6.1.G-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Station Manager Office	200	2	144		14.3.6.1.A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Facility Manager's Office	NA	2	144		14.3.6.1.C	
	Administration Office Space	NA	2	300		14.3.6.1.B	
	Facilities Maintenance Office	NA	2	330		14.3.6.1.C	
	Station General Storage Rooms	NA	2	200		14.3.7.1.E	Add 60 SF for miscellaneous storage if required.
	Platform Area Op. Mgt. Booth	NA	1	100	Standard Unit	14.3.6.2.I	One OMB to be provided on each platform.
	Train Control/Communications Room	1500	2	1,915		14.3.7.2	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	Entrance Facility Room	NA	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	NA	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	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'	
Renewable Energy/Stormwater					TBD		
Building Services & Plant Rooms	Mech., Elec. & Plumbing Rooms				Gross Factor	14.3.7.2	
	Battery Room	420	2	400	200 SF x (2)	14.3.7.4.B	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for 'Back of House Facilities'
	UPS Room	NA	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				Gross Factor	14.3.7.6	
Main Support Areas	Main Station Recycling/Refuse	NA	2	150	150 SF min.	14.3.7.1.A	
	Secondary Station Recycling	NA	2	60		14.3.7.1.C	
	Landscape Maintenance Room	NA	2	100		14.3.7.1.F	
	Loading Dock					14.3.7.1.H	
TOTAL AREA - ENTRANCES & CONCOURSE:		26,221	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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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 MORGAN HILL AND GILROY
 BLENDED AT-GRADE ALTERNATIVE
 DOWNTOWN GILROY STATION
 FACILITY SIZING TABLE

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-Y1206
SCALE	AS SHOWN
SHEET NO.	