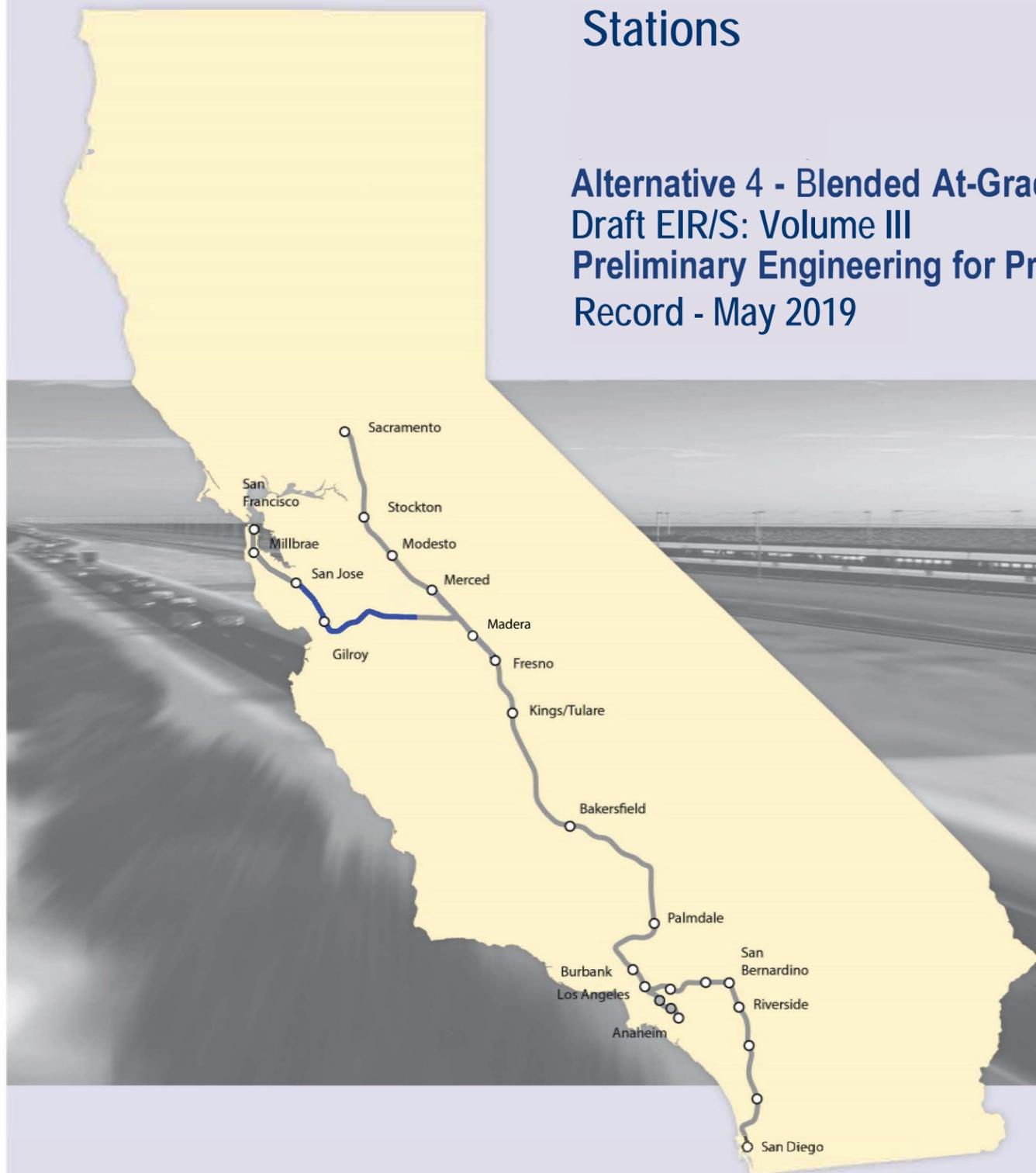


San Jose to Merced Section: San Jose to Central Valley Wye

Stations

Alternative 4 - Blended At-Grade 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 4
BOOK 4C
SHEET 58 - 75 OF 148**

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	58	AR-C0201	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST TO PARK AVE	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	CONCEPTUAL SITE PLAN
BOOK 4C	59	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	60	AR-F0201	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK 4C	61	AR-Y0201	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	CROSS SECTION
BOOK 4C	62	AR-Y0202	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1
BOOK 4C	63	AR-Y0203	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2
BOOK 4C	64	AR-Y0204	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	65	AR-Y0205	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	66	AR-Y0206	SAN JOSE DIRIDON STATION APPROACH	N/A	BLENDED AT-GRADE ALTERNATIVE	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK 4C	67	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	68	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	69	AR-F1201	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	CONCOURSE PLAN
BOOK 4C	70	AR-Y1201	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	SECTION
BOOK 4C	71	AR-Y1202	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	MASSING DIAGRAM 1
BOOK 4C	72	AR-Y1203	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	MASSING DIAGRAM 2
BOOK 4C	73	AR-Y1204	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 4C	74	AR-Y1205	MORGAN HILL AND GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	DOWNTOWN GILROY STATION	FACILITY SIZING TABLE
BOOK 4C	75	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 4C
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

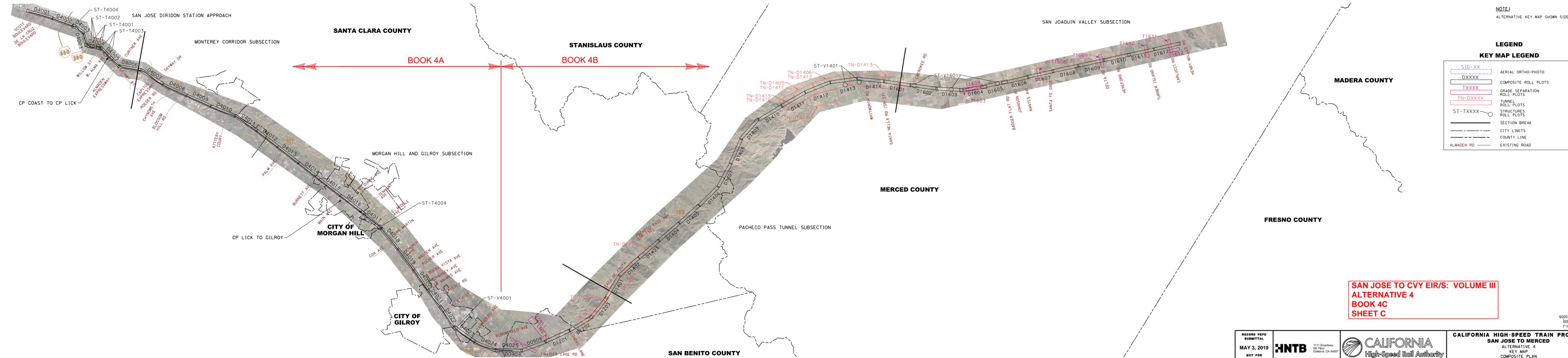
BOOK 4A: COMPOSITE PLAN, PROFILE AND CROSS SECTIONS

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



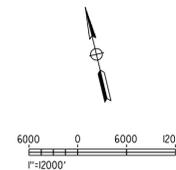
**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET C**

RECORD PREP SUBMITTAL MAY 3, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED ALTERNATIVE 4 KEY MAP COMPOSITE PLAN	CONTRACT NO. HSR15-34 DRAWING NO. CE-D0401 SCALE: AS SHOWN SHEET NO.
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NOTE:
ALTERNATIVE KEY MAP SHOWN SIDE BY SIDE FOR CLARITY.

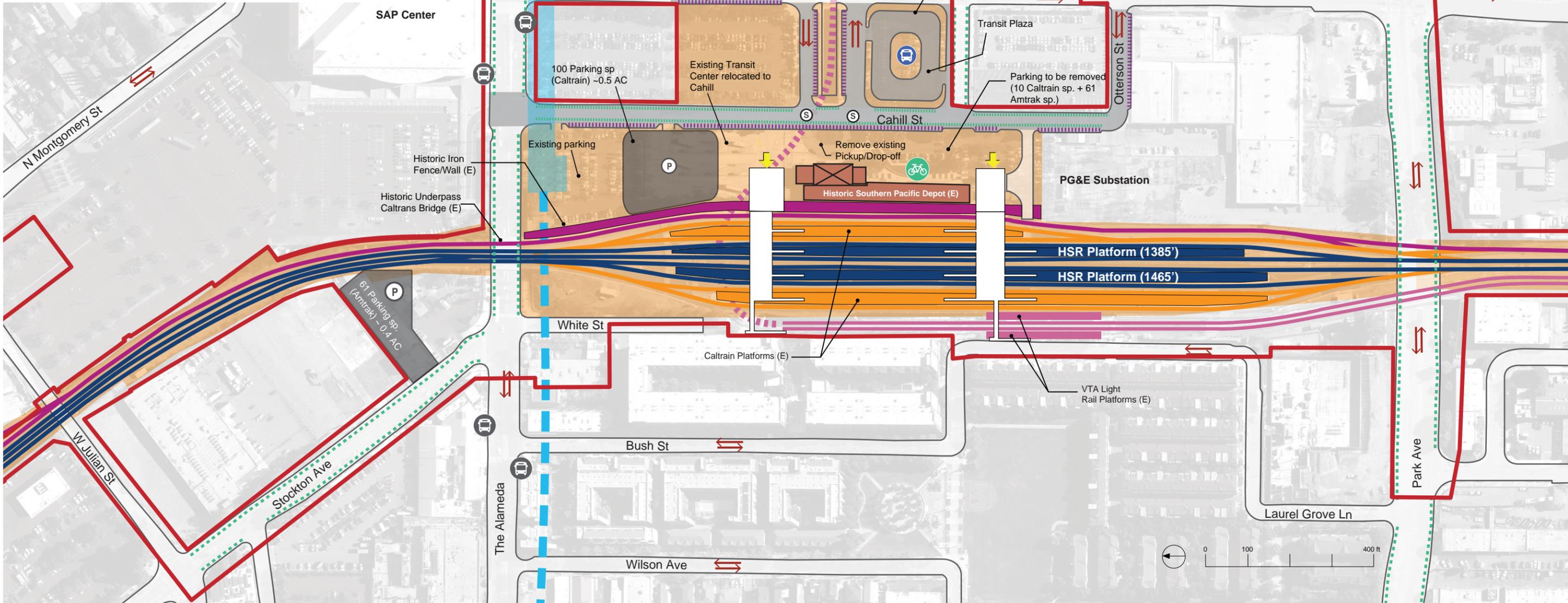
**LEGEND
KEY MAP LEGEND**

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



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 58 OF 148**

- 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
 - 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)
 - Bike Parking (Proposed)
 - Bus Stop (Existing)
 - Bus Stop (12-15 Total Proposed)
 - New Signalized Intersection
- Proposed Surface Parking Facility, Total Parking Provided Includes Access Roads, Sidewalks, Landscaping = 161 spaces (~.9 AC)**
 Amtrak: 61 sp.**
 Caltrain: 100 sp.**
 **Replacement Parking



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

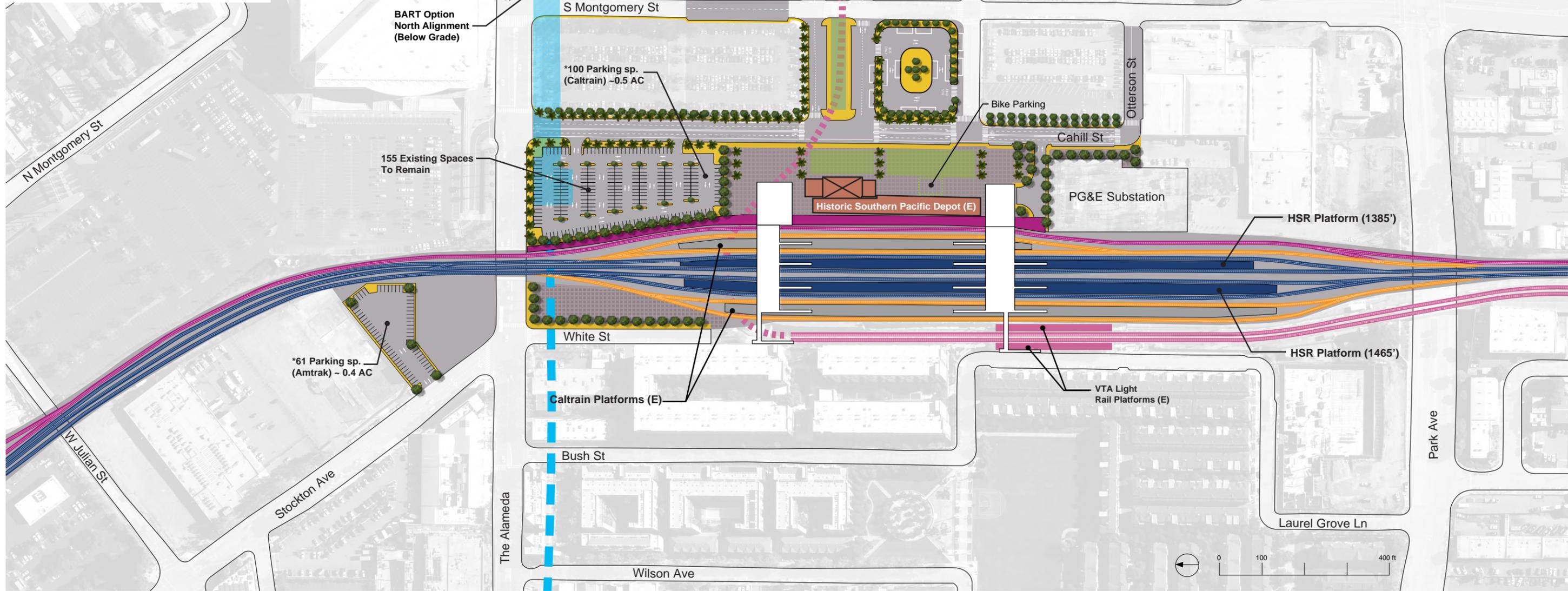
SAN JOSE TO MERCED

SAN JOSE DIRIDON STATION APPROACH
 BLENDED AT-GRADE ALTERNATIVE
 SAN JOSE DIRIDON STATION
 GENERAL SITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-C0201
SCALE	AS SHOWN
SHEET NO.	

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 59 OF 148**

- 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



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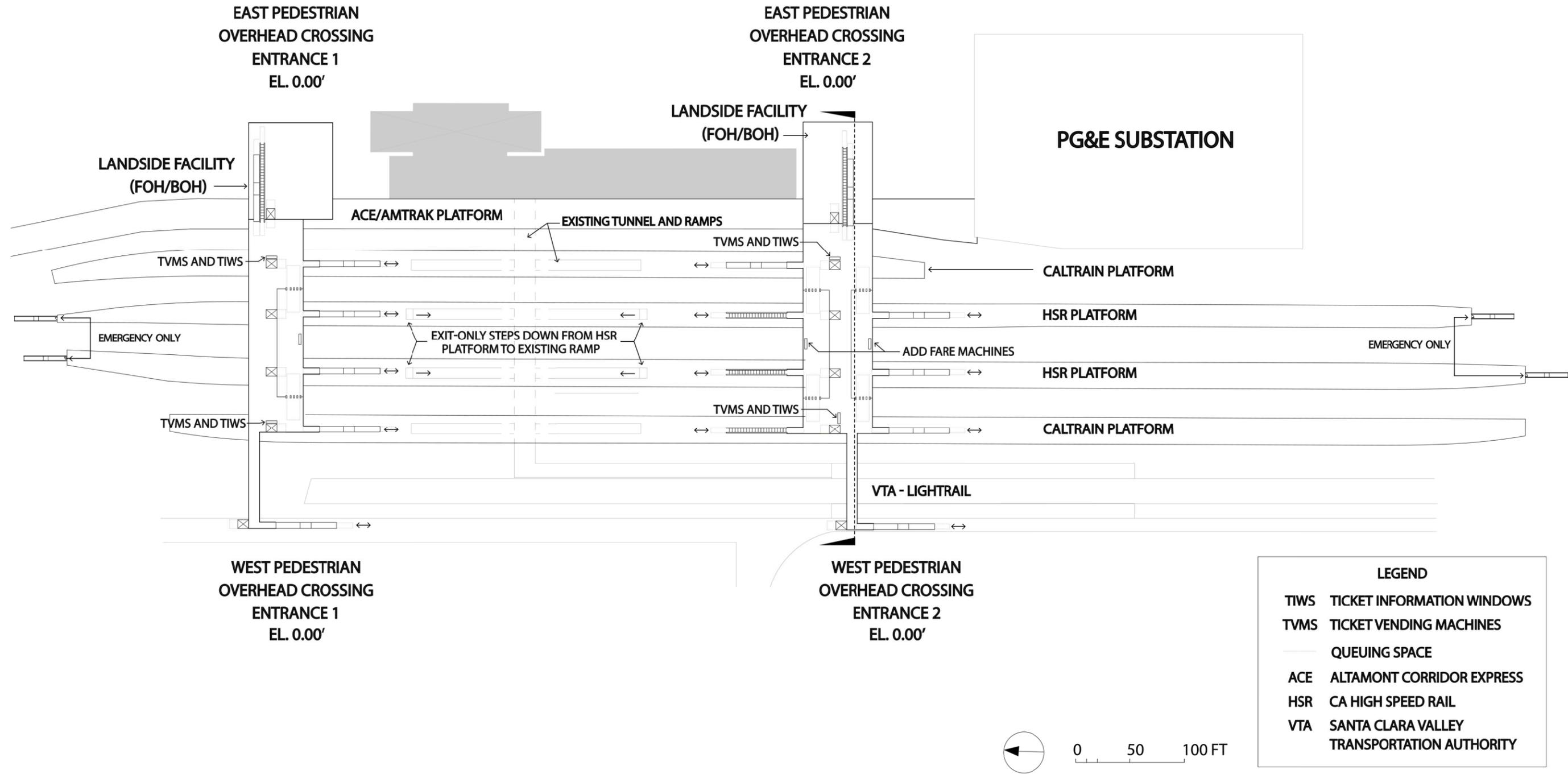
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
DETAILED SITE PLAN

CONTRACT NO.
HSR15-34
DRAWING NO.
AR-C0202
SCALE
AS SHOWN
SHEET NO.



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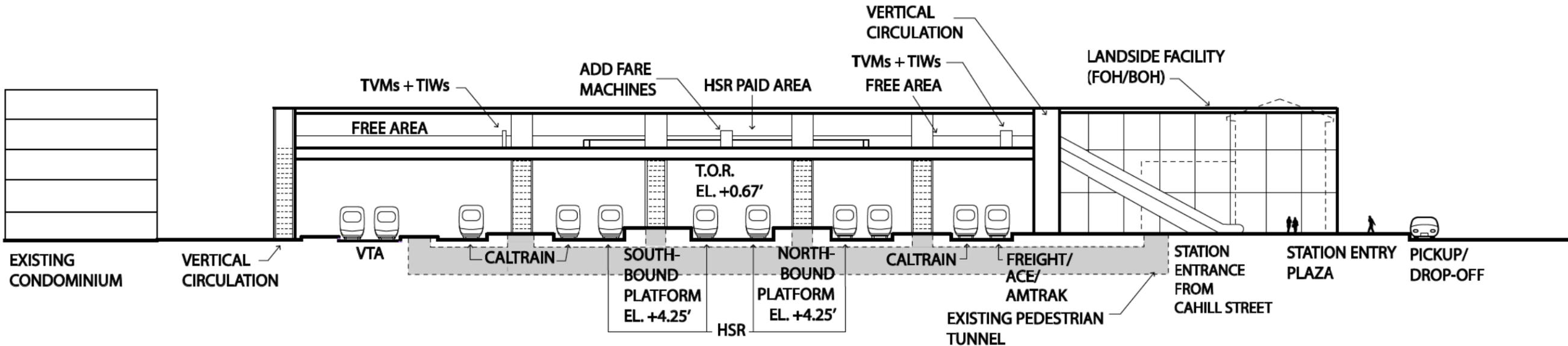
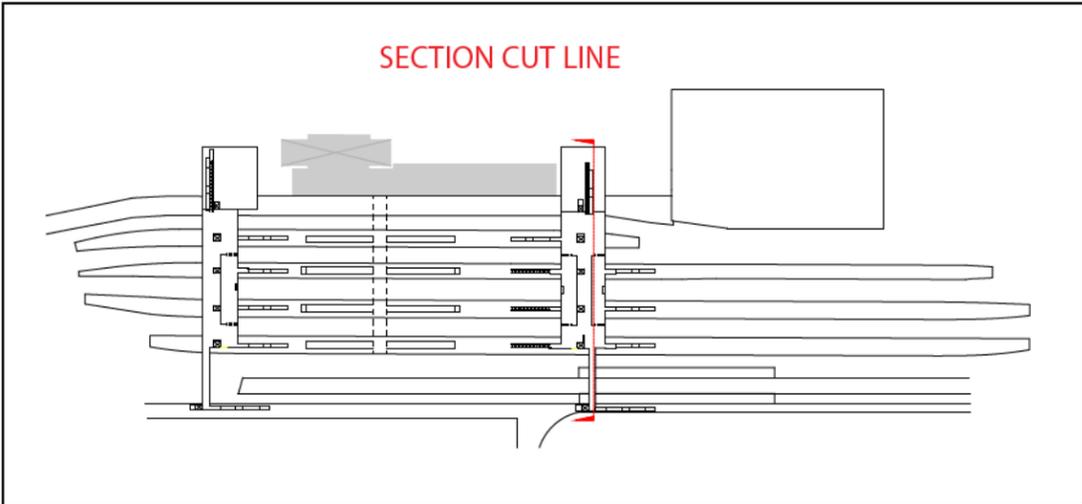
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
CONCOURSE PLAN

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 61 OF 148**



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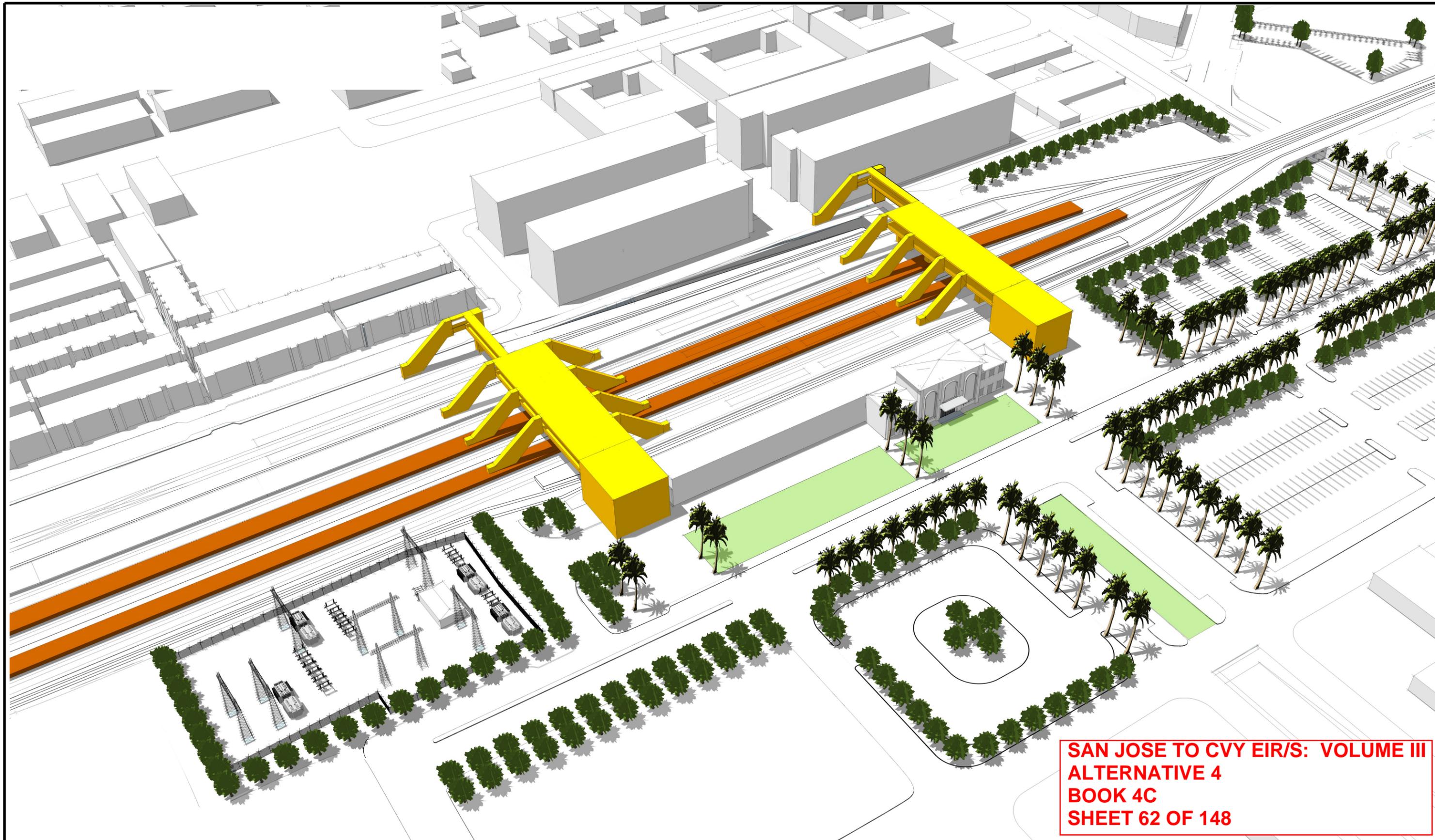
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
SECTION

CONTRACT NO.	HSR15-34
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SHEET NO.	



**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 62 OF 148**

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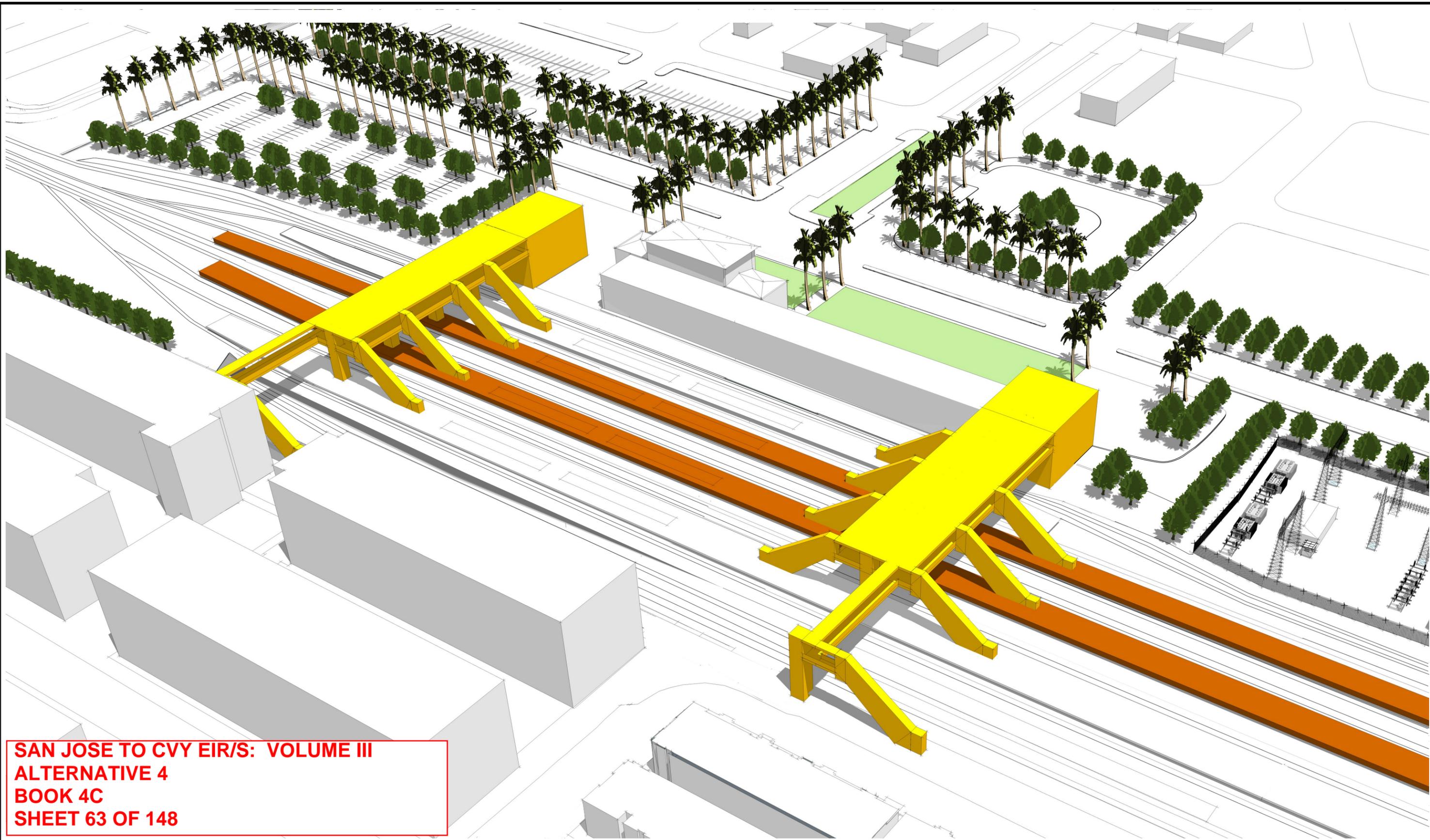
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOSE DIRIDON STATION APPROACH
BLENDED AT-GRADE ALTERNATIVE
SAN JOSE DIRIDON STATION
MASSING DIAGRAM 1**

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 63 OF 148

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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
DRAWING NO.	AR-Y0203
SCALE	AS 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	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 (CP)	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		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	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 HSR provided
	Pickup and Drop-off						Included in Cahill transit street improvement

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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
FACILITY SIZING TABLE

CONTRACT NO.
HSR15-34

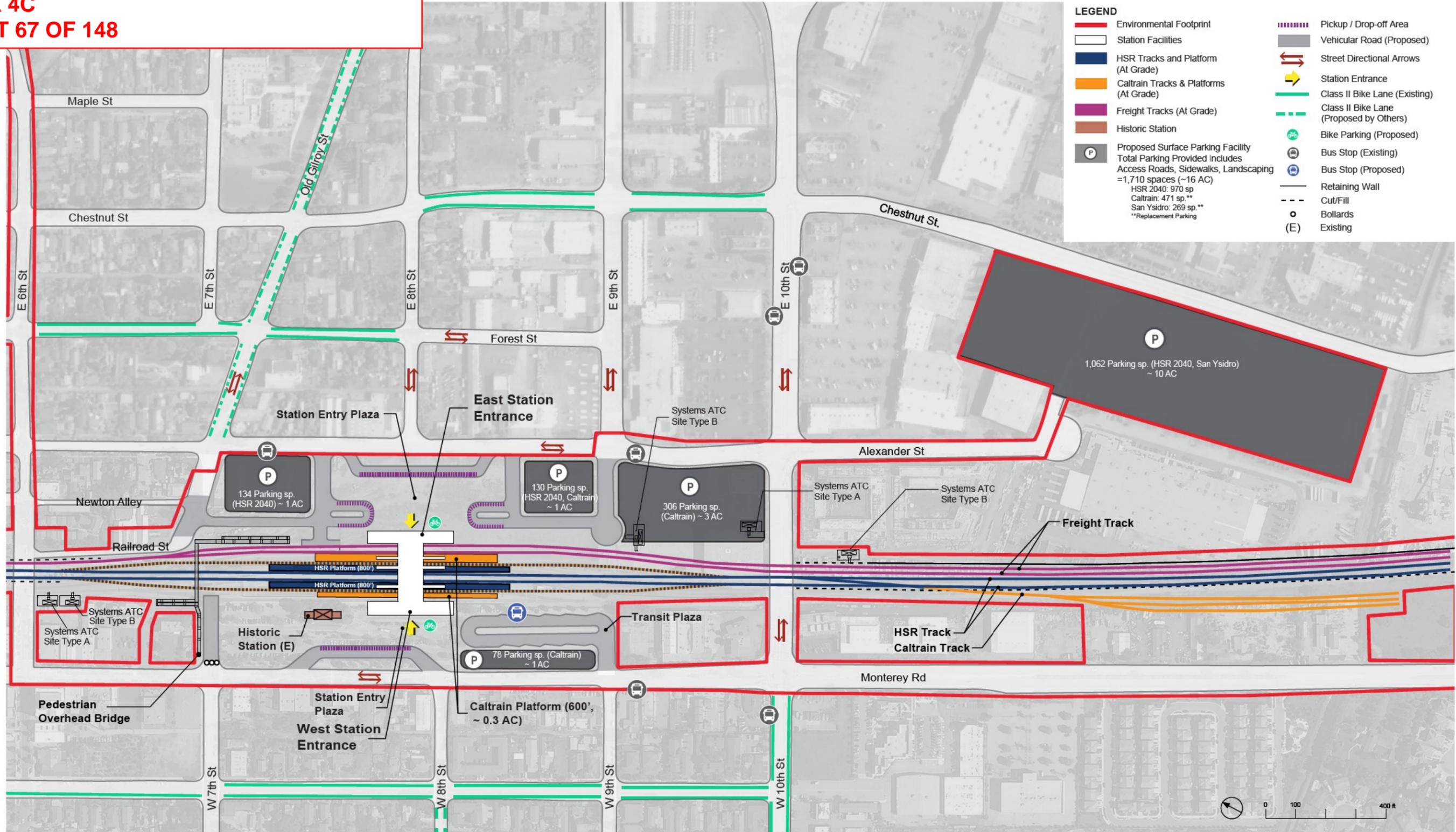
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SCALE
AS SHOWN

SHEET NO.

**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
SHEET 67 OF 148**

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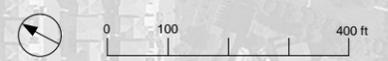
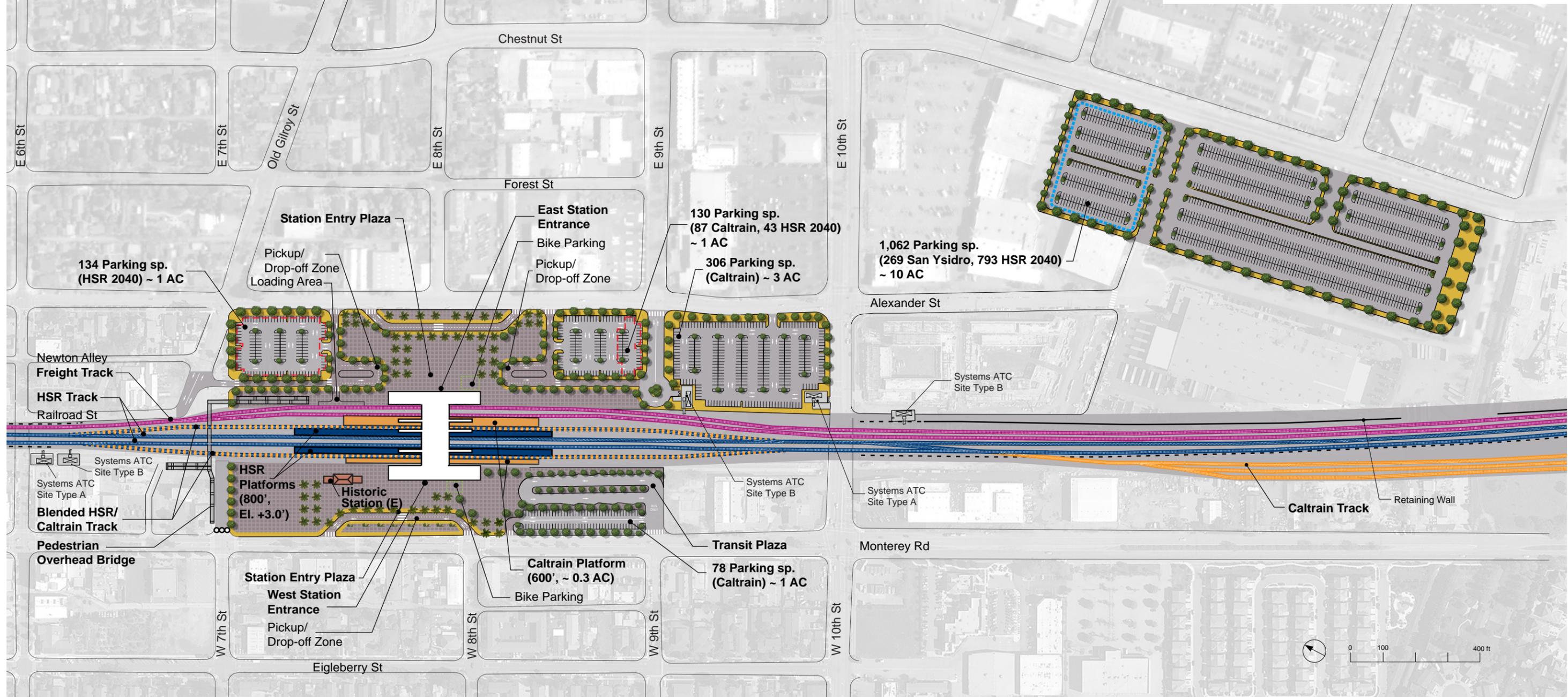
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
GENERAL SITE PLAN

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 68 OF 148

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
- (E) Existing
- Bollards



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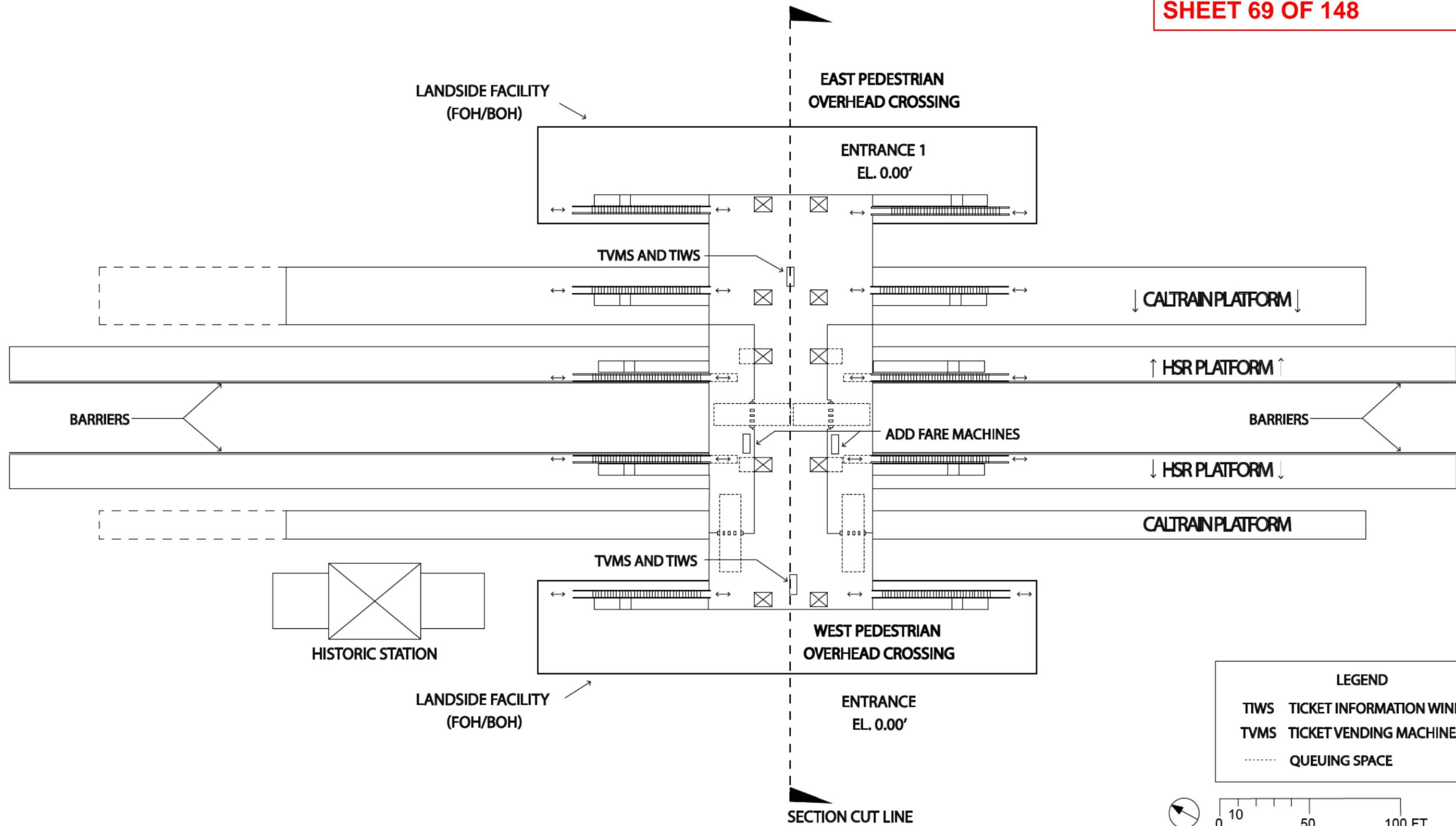
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SAN JOSE TO MERCED

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.	



REV	D-TE	BY	CHK	-PP	DESCRIPTION

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DR-WN BY	
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D-TE	

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MAY 3, 2019
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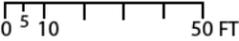
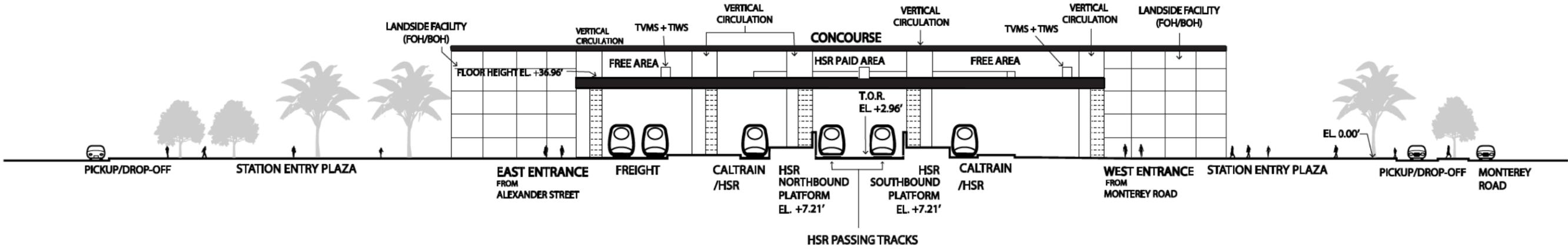
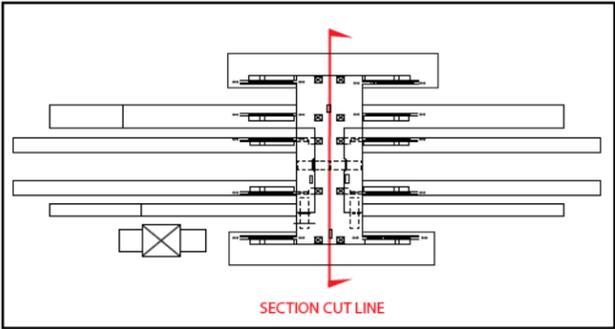
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
MORGAN HILL AND GILROY
BLENDED AT-GRADE ALTERNATIVE
DOWNTOWN GILROY STATION
CONCOURSE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	AR-F1201
SCALE	AS SHOWN
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LEGEND	
TIWS	TICKET INFORMATION WINDOWS
TVMS	TICKET VENDING MACHINES
HSR	CA HIGH SPEED RAIL



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ALTERNATIVE 4
BOOK 4C
SHEET 70 OF 148**

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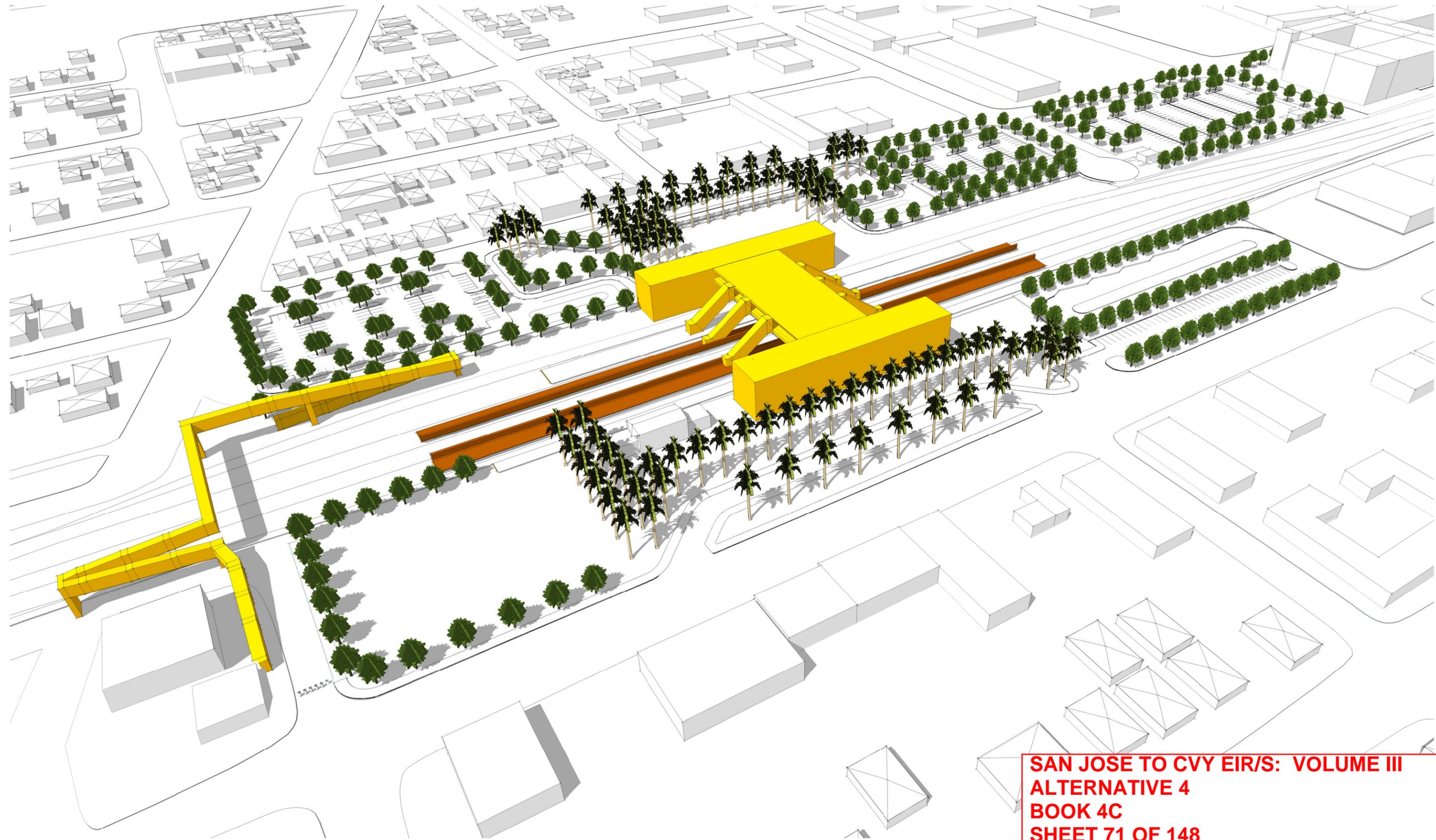
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SECTION

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



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 ALTERNATIVE 4
 BOOK 4C
 SHEET 71 OF 148**

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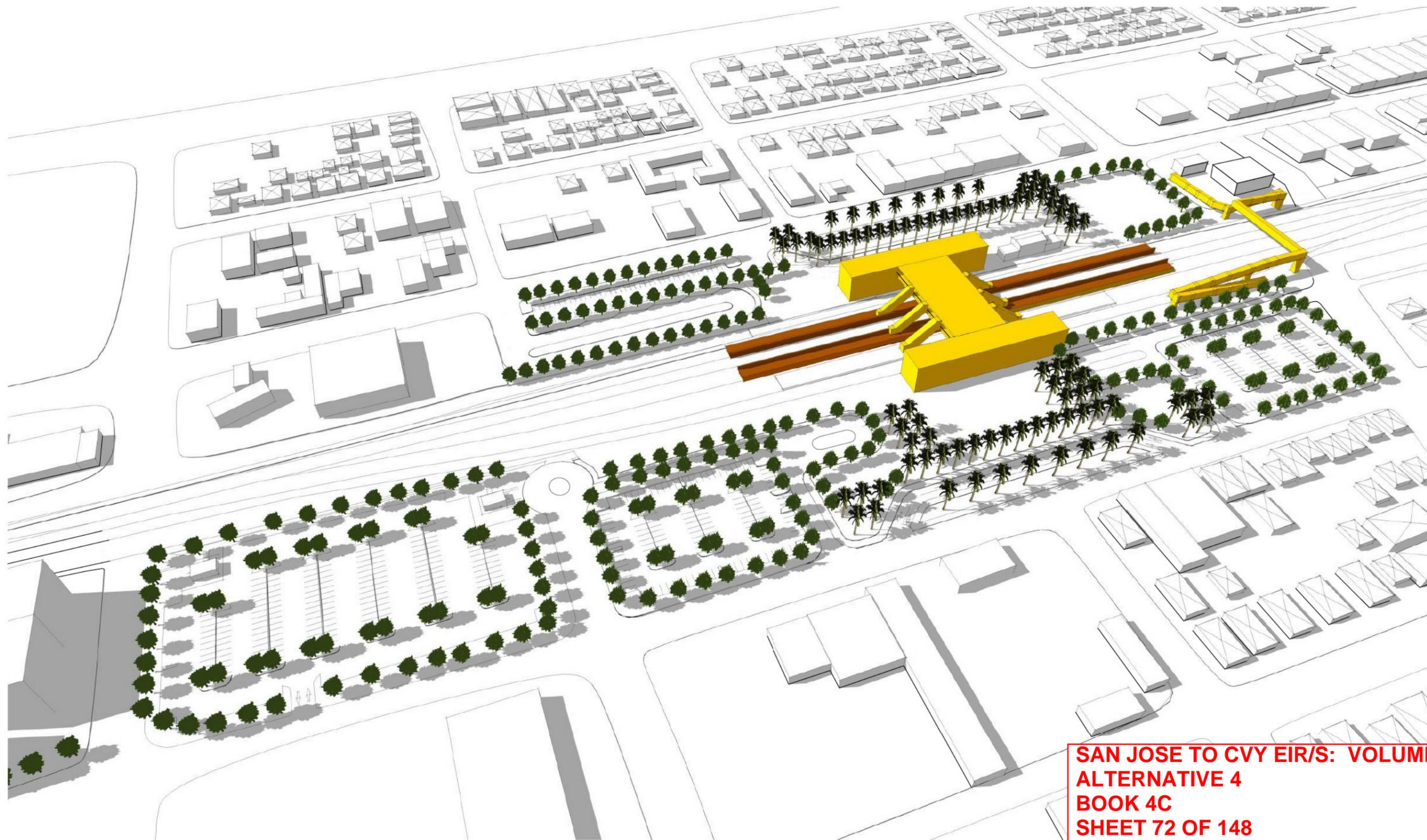
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN JOSE TO MERCED
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 BLENDED AT-GRADE ALTERNATIVE
 DOWNTOWN GILROY STATION
 MASSING DIAGRAM 1**

CONTRACT NO.
HSR15-34
 DRAWING NO.
AR-Y1202
 SCALE
AS SHOWN
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 ALTERNATIVE 4
 BOOK 4C
 SHEET 72 OF 148**

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 MASSING DIAGRAM 2**

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

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

SAN JOSE TO CVY EIR/S: VOLUME III
 ALTERNATIVE 4
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 SHEET 73 OF 148

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**SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4C
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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'
	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		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	
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					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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