

### Santa Clara University

880



# SAN JOSE

280

## Alum Rock/ 28<sup>th</sup> Street Station

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MCKee



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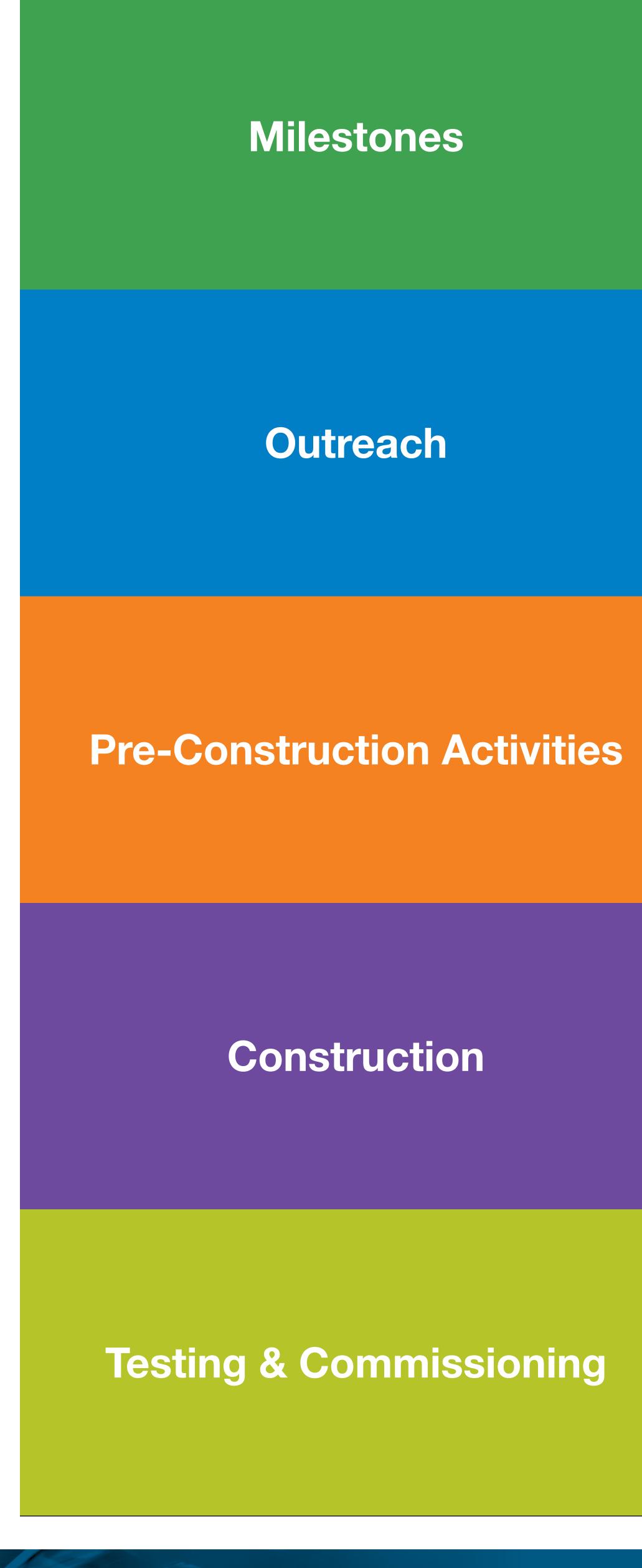
LEGEND

## Phase II At-Grade Alignment Phase II Tunnel Alignment

680



January 2017

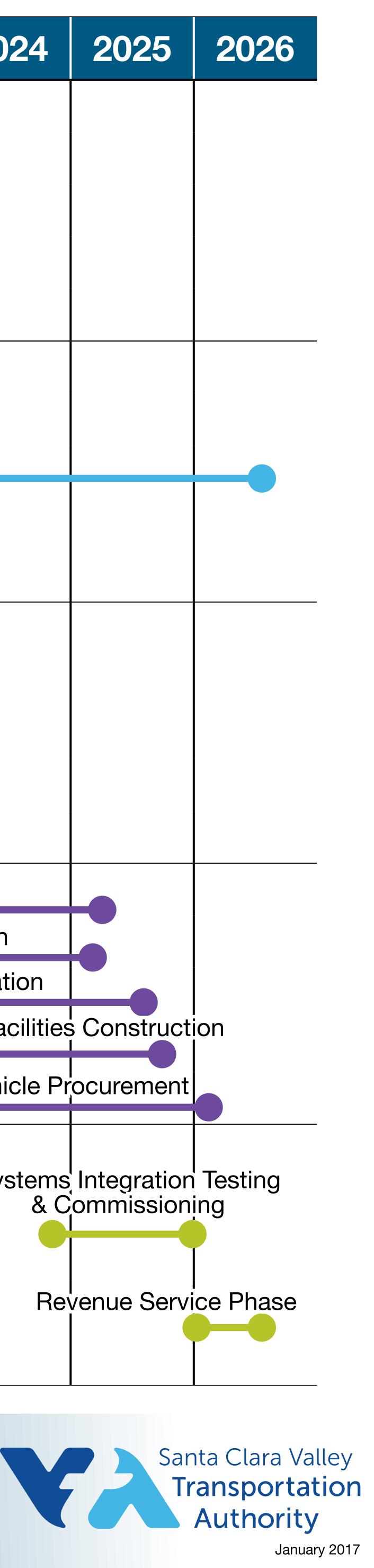




2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
			Receive	Record of E	Decision					
			E	nter New S	tarts Engine	ering				
				Beg	gin Constru	ction				
					Outr	each				
			F	-inal Desigr	& Enginee	ring				
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					Utilities R	elocation				
					Dem	olition				
					Tunnel	, Trackwork	, and Ventil	ation Struct	tures	
					Stat	on and And	illary Facili	l	l I	
								System In End-of-Li	ne Facilities	     
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## VTA's BART Silicon Valley – Phase II Extension Project





## Advanced Utility Relocations

### Support of Excavation Wall Installa

Activity

**Decking Installation** 

Station Box Excavation Tunnel Boring Machine Removal

Station Structure Construction

Decking Remove, Backfill and Stre tion (includes Street Resurfacing, I Sidewalk, Signals, Lighting)

Source: VTA 2016. Table 5-2 in the Draft SEIS/SEIR. **Note:** Station construction is projected to last less than six years.



	Duration	
	16–24 months	Tem San inter – for
ation	12–18 months	Tem bloc and mor at 1 <sup>s</sup> eacl
	1–6 months	Tem bloc and to 1
	10–18 months	Inte
	2–4 weeks	Inte to 4
	18–30 months	Inte 2-m
eet Restora- Landscape,	18–24 months	Tem stree clos cros

## VIA's BART Silicon Valley – Phase II Extension Project **Downtown San Jose Station Twin-Bore Roadway Construction Impacts**

### **Adverse Effects on Roadways**

nporary lane closures and some street closures along nta Clara Street – one block, or one block and one ersection, or two blocks and one intersection at a time or periods of up to 3 months at a time.

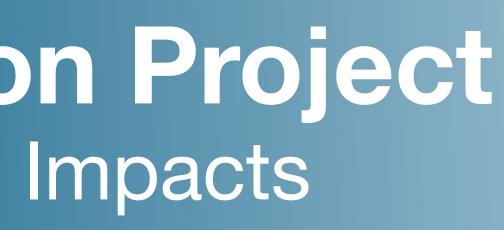
nporary street closures along Santa Clara Street – one ck or one block and one intersection, or two blocks one intersection at a time – for periods of up to 3 nths at a time. Light Rail Transit will require bus bridges <sup>st</sup> and 2<sup>nd</sup> Street intersections for up to 3 months at h intersection

nporary street closures along Santa Clara Street – one ck or one block and one intersection, or two blocks one intersection at a time – for approximately 2 weeks month at a time.

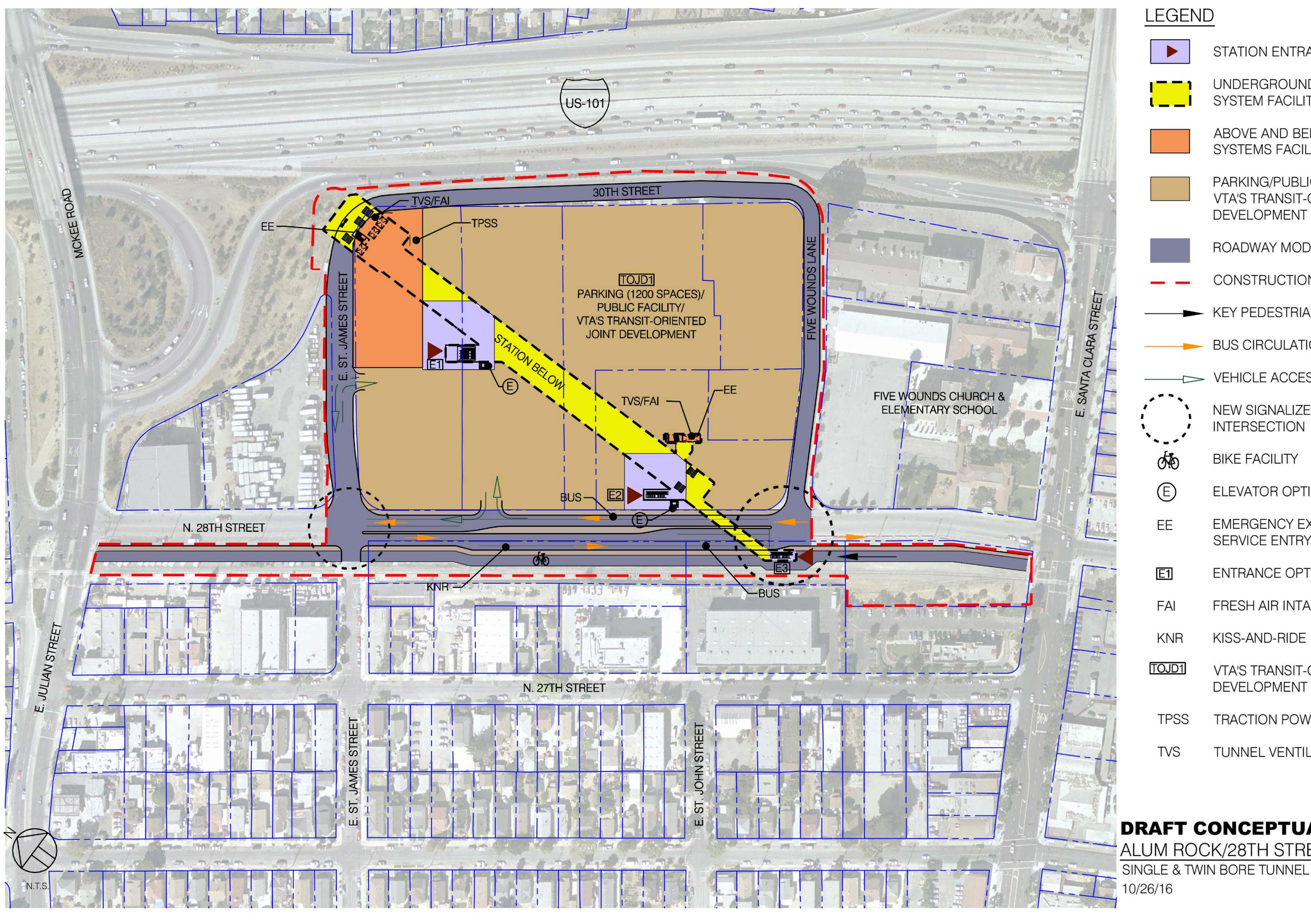
ermittent lane closures along Santa Clara Street. ermittent lane closures on each end of the station – up weeks four times.

ermittent lane closures along Santa Clara and up to nonth street closure of Market Street.

nporary one-block or one block and one intersection et closures of 1 to 2 months, with intermittent lane sures along Santa Clara Street and the effected ss street.







Alum Rock/28th Street Site Plan

# VTA's BART Silicon Valley – Phase II Extension Project



### **DRAFT CONCEPTUAL PLANS** ALUM ROCK/28TH STREET STATION

TUNNEL VENTILATION SHAFT

TRACTION POWER SUBSTATION

VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT LOCATION #

**KISS-AND-RIDE** 

FRESH AIR INTAKE

ENTRANCE OPTION #

EMERGENCY EXIT (PASSENGER; SERVICE ENTRY)

ELEVATOR OPTIONS

BIKE FACILITY

NEW SIGNALIZED INTERSECTION

- VEHICLE ACCESS

**BUS CIRCULATION** 

KEY PEDESTRIAN LINKAGE

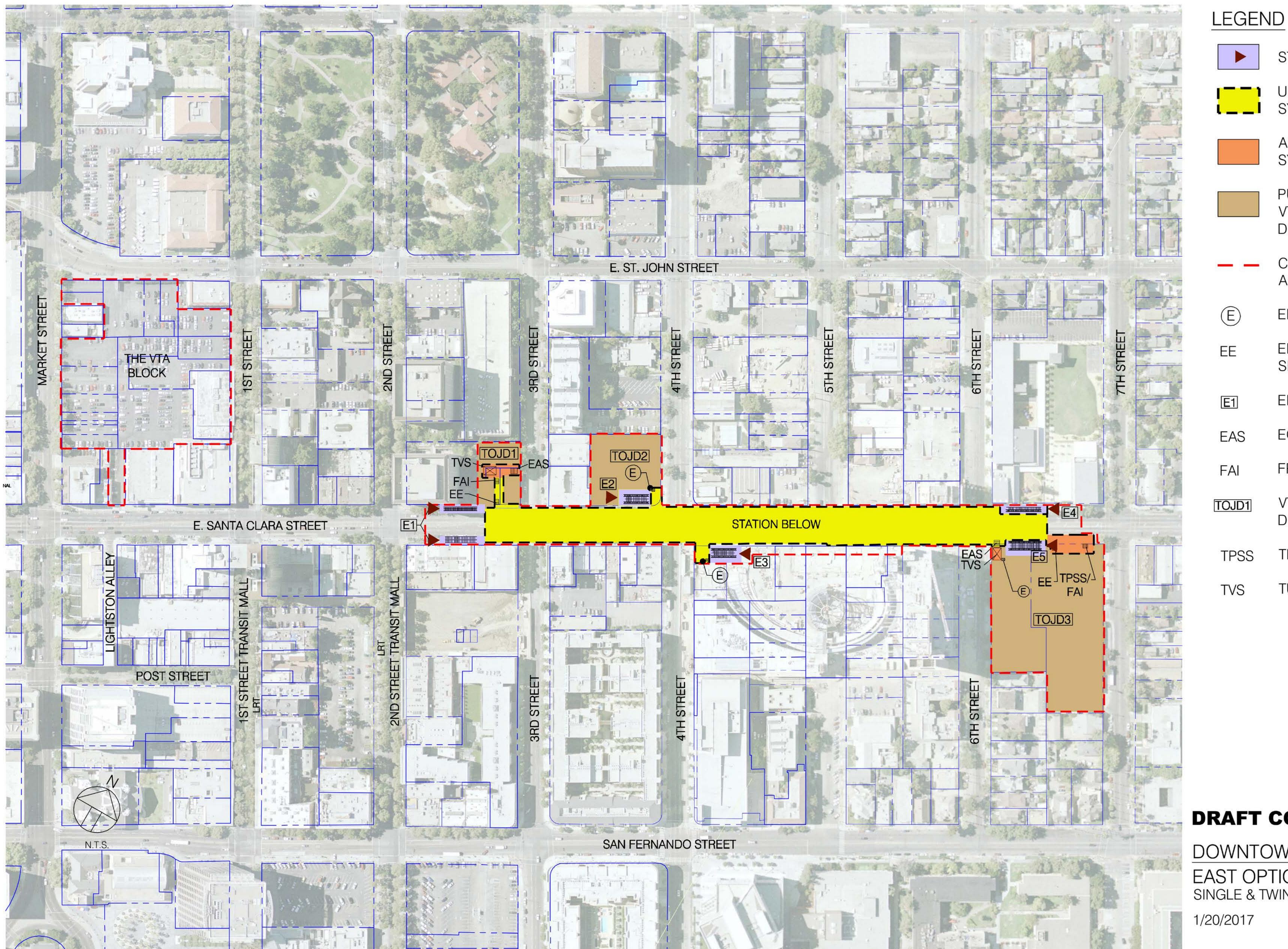
CONSTRUCTION STAGING AREA

ROADWAY MODIFICATIONS

PARKING/PUBLIC FACILITY/ **VTA'S TRANSIT-ORIENTED JOINT** DEVELOPMENT

ABOVE AND BELOW GROUND SYSTEMS FACILITIES

**UNDERGROUND STATION &** SYSTEM FACILITIES



Downtown San Jose – East Option Site Plan

# VTA's BART Silicon Valley – Phase II Extension Project

## DEVELOPMENT CONSTRUCTION STAGING AREA E ELEVATOR OPTIONS EE E1 EAS FAI TOJD1 TPSS TVS

EAST OPTION SINGLE & TWIN BORE TUNNEL 1/20/2017





### DOWNTOWN SAN JOSE STATION

**DRAFT CONCEPTUAL PLANS** 

TUNNEL VENTILATION SHAFT

TRACTION POWER SUBSTATION

**VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT LOCATION #** 

FRESH AIR INTAKE

EQUIPMENT ACCESS SHAFT

ENTRANCE OPTION #

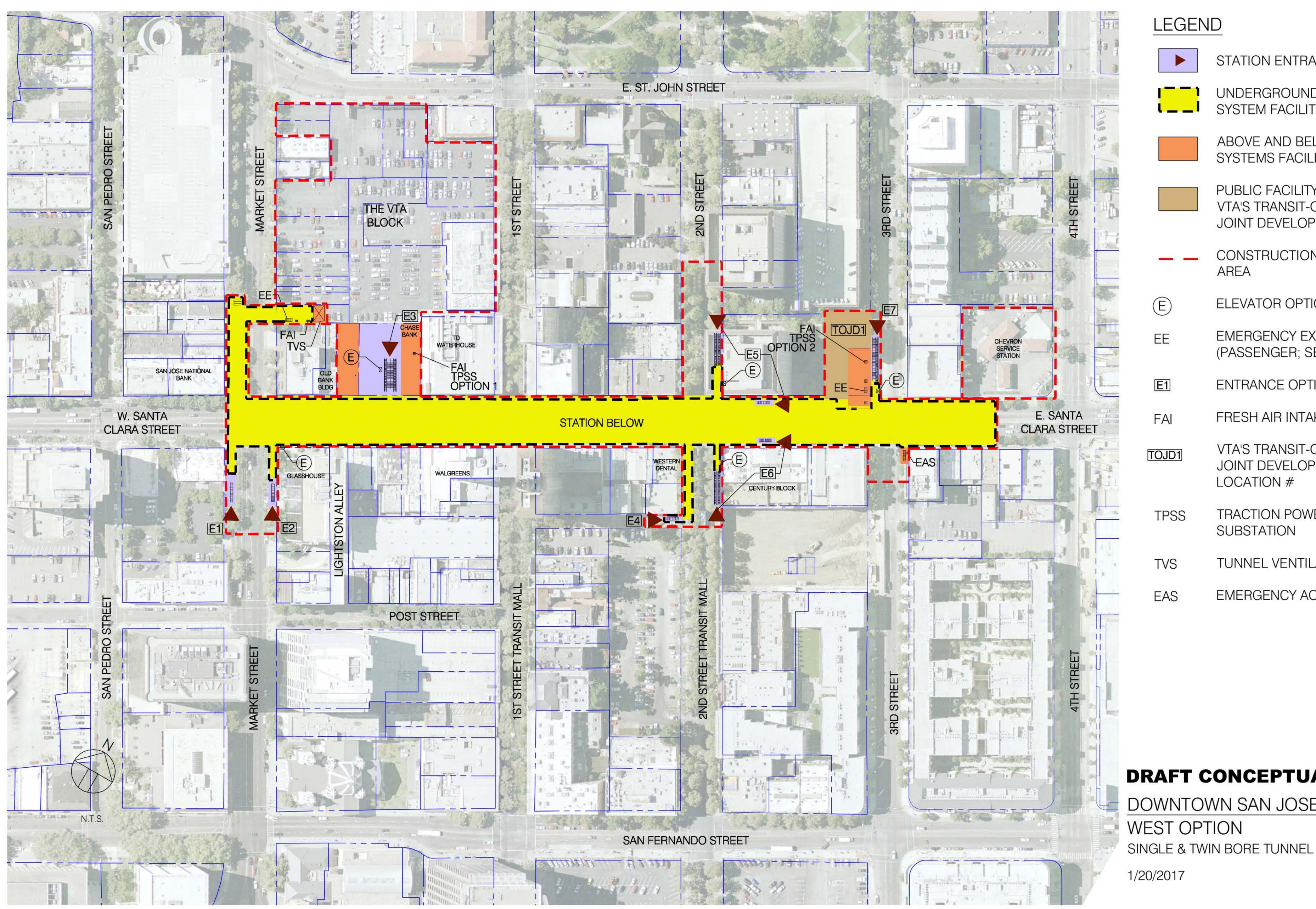
SERVICE ENTRY)

EMERGENCY EXIT (PASSENGER;

PUBLIC FACILITY/ VTA'S TRANSIT-ORIENTED JOINT

ABOVE AND BELOW GROUND SYSTEMS FACILITIES

**UNDERGROUND STATION &** SYSTEM FACILITIES



Downtown San Jose – West Option Site Plan

## VTA's BART Silicon Valley – Phase II Extension Project



STATION ENTRANCE OPTIONS

**UNDERGROUND STATION &** SYSTEM FACILITIES

ABOVE AND BELOW GROUND SYSTEMS FACILITIES

PUBLIC FACILITY/ VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT

CONSTRUCTION STAGING

**ELEVATOR OPTIONS** 

EMERGENCY EXIT (PASSENGER; SERVICE ENTRY)

ENTRANCE OPTION #

FRESH AIR INTAKE

VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT LOCATION #

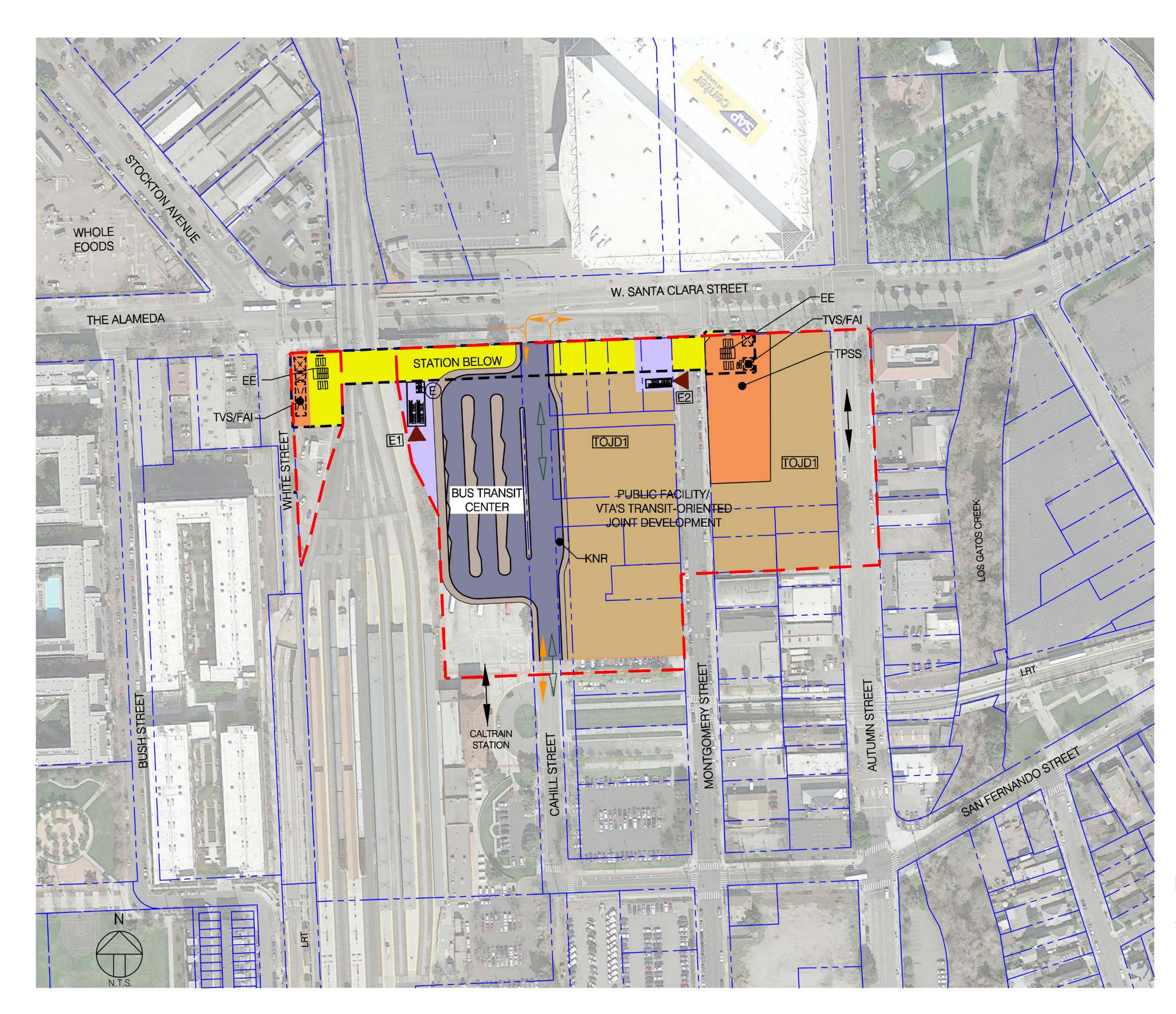
TRACTION POWER SUBSTATION

TUNNEL VENTILATION SHAFT

EMERGENCY ACCESS SHAFT

## **DRAFT CONCEPTUAL PLANS** DOWNTOWN SAN JOSE STATION





Diridon – North Option (Single-Bore) Site Plan

# VTA's BART Silicon Valley – Phase II Extension Project



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### **DRAFT CONCEPTUAL PLANS**

**DIRIDON STATION** NORTH OPTION SINGLE BORE TUNNEL 10/26/2016





INEL VENTILATION SHAFT

CTION POWER BSTATION

'S TRANSIT-ORIENTED NT DEVELOPMENT CATION #

S-AND-RIDE

ESH AIR INTAKE

**TRANCE OPTION #** 

ERGENCY EXIT SSENGER; SERVICE ENTRY)

VATOR OPTIONS

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CIRCULATION

PEDESTRIAN LINKAGE

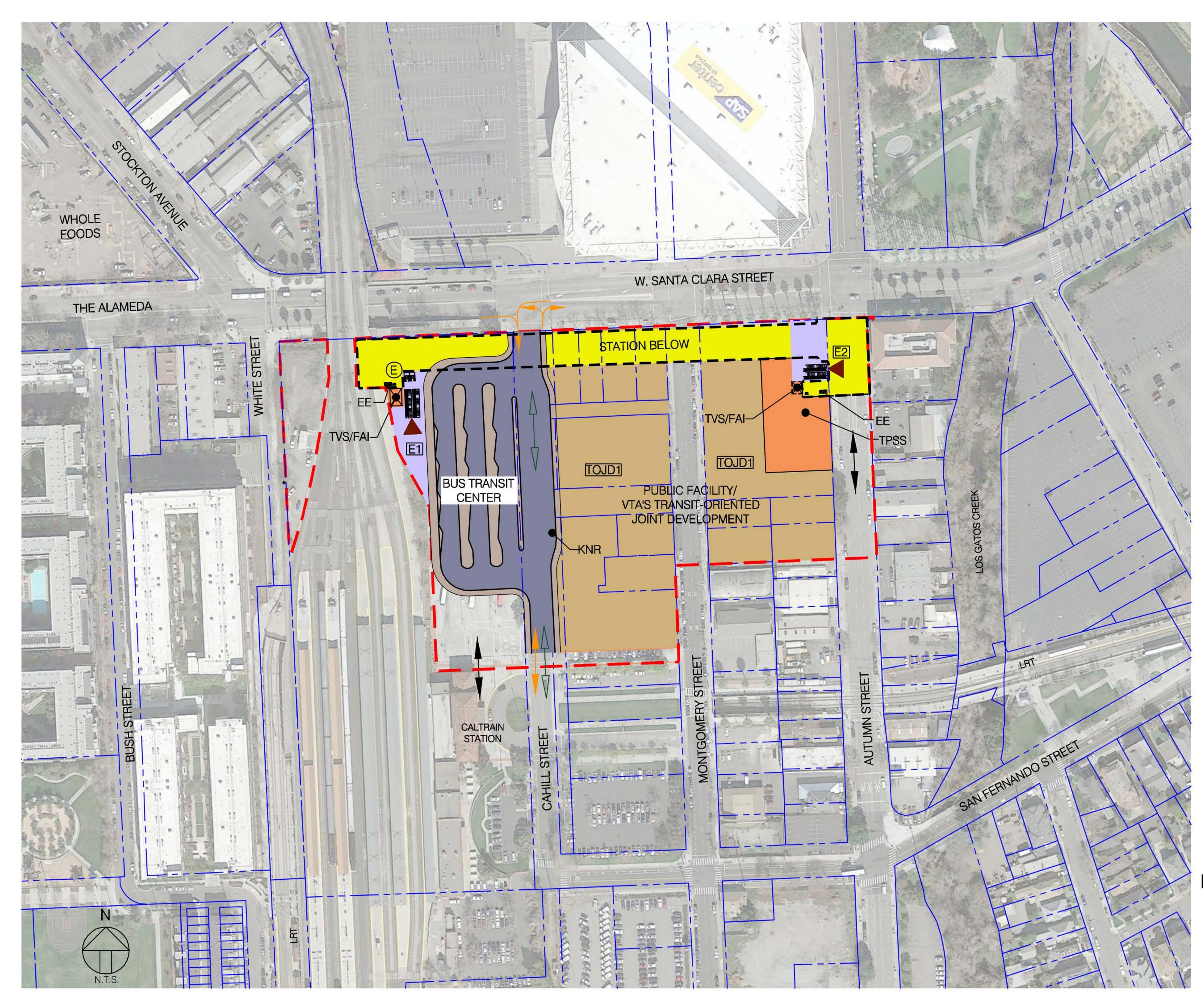
**NSTRUCTION STAGING** 

ADWAY MODIFICATIONS

BLIC FACILITY/ S TRANSIT-ORIENTED NT DEVELOPMENT

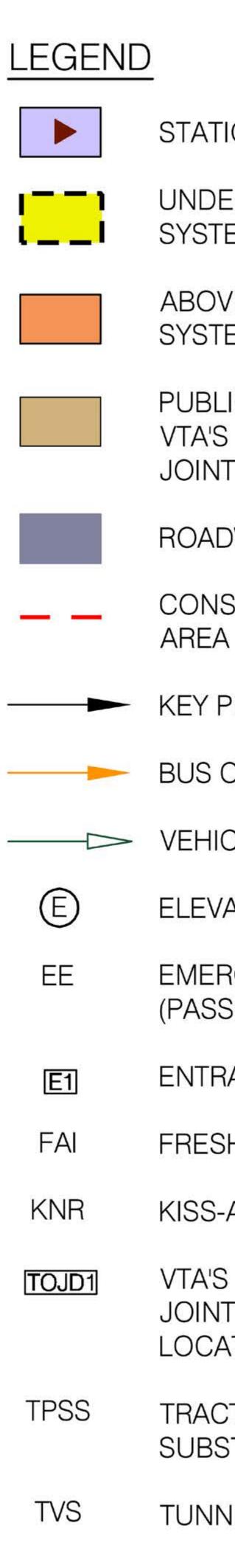
OVE AND BELOW GROUND STEMS FACILITIES

DERGROUND STATION & STEM FACILITIES



Diridon – North Option (Twin-Bore) Site Plan

# VTA's BART Silicon Valley – Phase II Extension Project



### **DRAFT CONCEPTUAL PLANS DIRIDON STATION** NORTH OPTION

TWIN BORE TUNNEL 10/26/2016





**TUNNEL VENTILATION SHAFT** 

TRACTION POWER SUBSTATION

VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT LOCATION #

KISS-AND-RIDE

FRESH AIR INTAKE

ENTRANCE OPTION #

EMERGENCY EXIT (PASSENGER; SERVICE ENTRY)

ELEVATOR OPTIONS

VEHICLE ACCESS

**BUS CIRCULATION** 

**KEY PEDESTRIAN LINKAGE** 

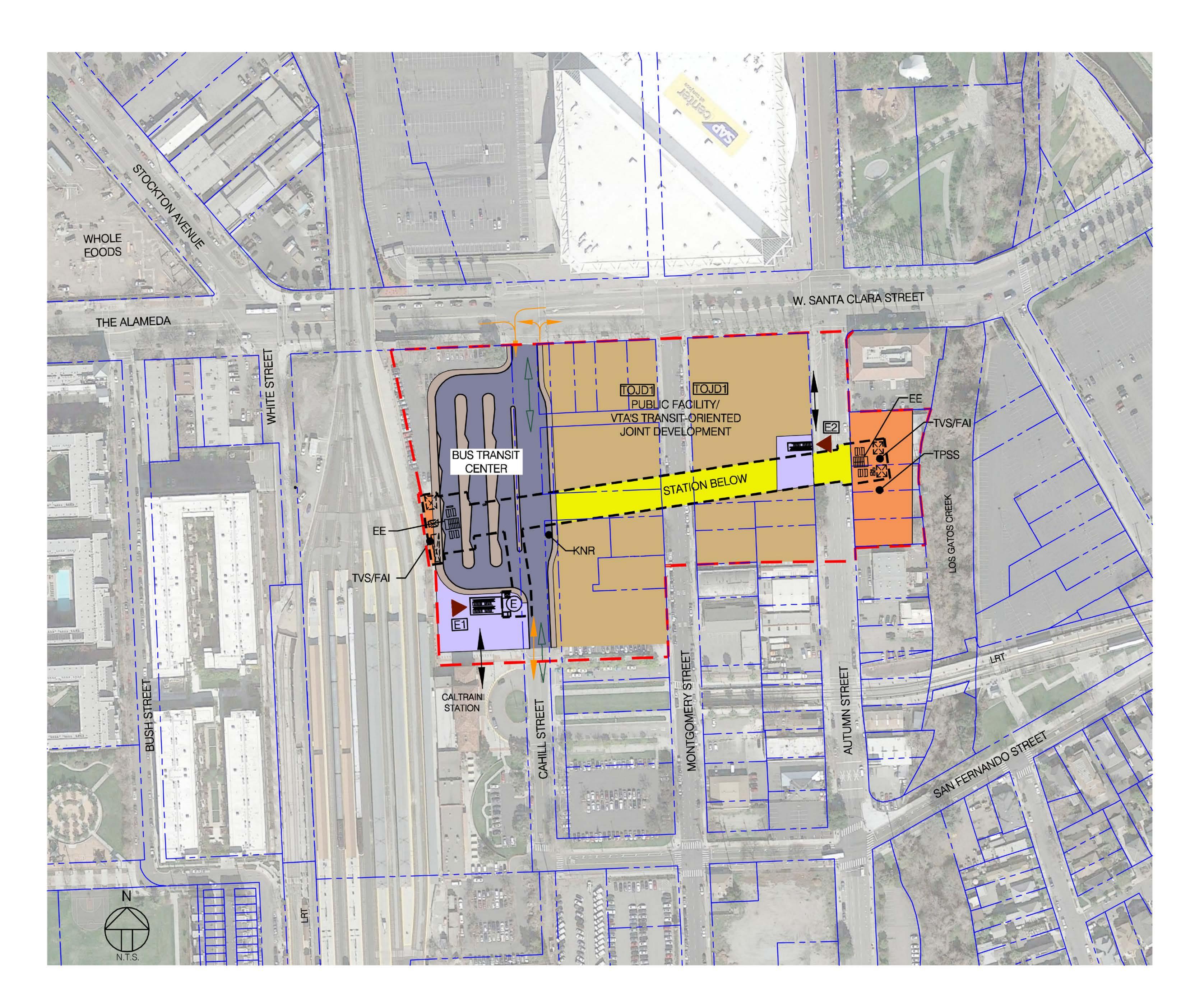
CONSTRUCTION STAGING

ROADWAY MODIFICATIONS

PUBLIC FACILITY/ VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT

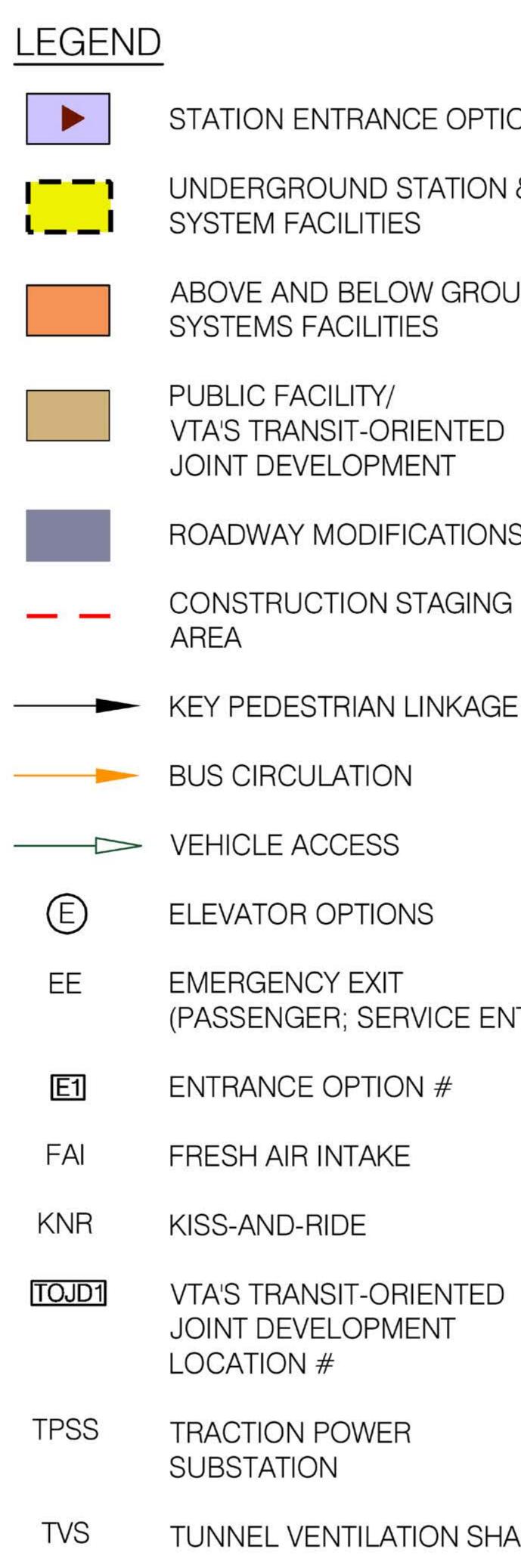
ABOVE AND BELOW GROUND SYSTEMS FACILITIES

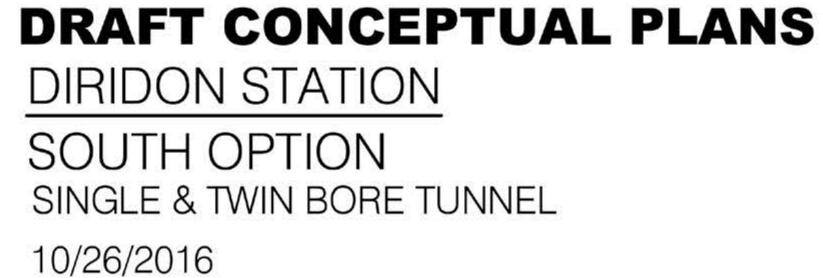
**UNDERGROUND STATION &** SYSTEM FACILITIES



Diridon – South Option Site Plan

# VTA's BART Silicon Valley – Phase II Extension Project







**TUNNEL VENTILATION SHAFT** 

TRACTION POWER SUBSTATION

VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT LOCATION #

KISS-AND-RIDE

FRESH AIR INTAKE

ENTRANCE OPTION #

EMERGENCY EXIT (PASSENGER; SERVICE ENTRY)

ELEVATOR OPTIONS

VEHICLE ACCESS

BUS CIRCULATION

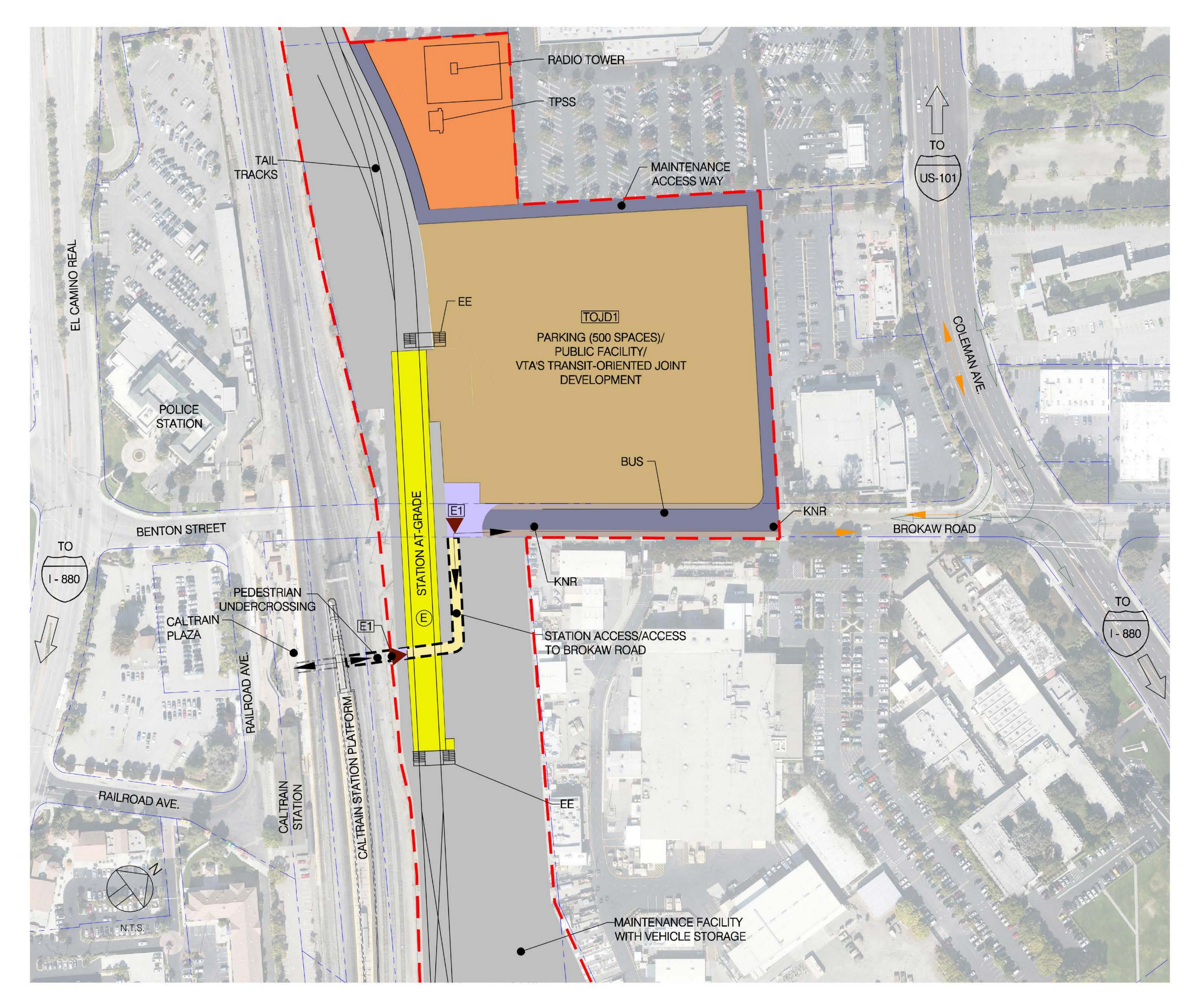
KEY PEDESTRIAN LINKAGE

ROADWAY MODIFICATIONS

PUBLIC FACILITY/ VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT

ABOVE AND BELOW GROUND SYSTEMS FACILITIES

**UNDERGROUND STATION &** SYSTEM FACILITIES



Santa Clara Site Plan

## VTA's BART Silicon Valley – Phase II Extension Project

### LEGEND

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STATION ENTRANCE OPTIONS

AT GRADE STATION

ABOVE GROUND SYSTEMS FACILITIES

PARKING/PUBLIC FACILITY/ VTA'S TRANSIT-ORIENTED JOINT DEVELOPMENT

MAINTENANCE FACILITY WITH VEHICLE STORAGE / TAIL TRACKS

ROADWAY MODIFICATIONS

CONSTRUCTION STAGING AREA

KEY PEDESTRIAN LINKAGE

BUS CIRCULATION

VEHICLE ACCESS  $\rightarrow$ 

ELEVATOR OPTIONS

EΕ EMERGENCY EXIT

E1 ENTRANCE OPTION #

KNR **KISS-AND-RIDE** 

VTA'S TRANSIT-ORIENTED TOJD1 JOINT DEVELOPMENT LOCATION #

TRACTION POWER TPSS SUBSTATION

**DRAFT CONCEPTUAL PLANS** SANTA CLARA STATION SINGLE & TWIN BORE TUNNEL

9/28/2016



