

# **PEPD RECORD SET REV02**

# **Construction Staging Plans**

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Carl Street



44 444 44 44 44





The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

GENERAL	SHEETS
DRA	WING DESCRIPTION

DRAWING NO. CV-I0001

INDEX OF DRAWINGS

# **CONSTRUCTION STAGING SHEETS**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
CV-I6001-S14	ALIGNMENT REFINED SR14. CONSTRUCTION STAGING KEYMAP	
CV-I4001-S14	NOT USED	
CV-I4002-S14	ALIGNMENT REFINED SR14. CENTRAL SUBSECTION. CONSTRUCTION STAGING. STA 1251+65.33 TO STA 1362+91.36	
CV-I4003-S14	ALIGNMENT REFINED SR14. CENTRAL AND BURBANK SUBSECTION. CONSTRUCTION STAGING. STA 1998+90 TO STA 2254+47.54	
CV-I4004-S14	ALIGNMENT REFINED SR14. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 1 OF 2	
CV-I4005-S14	ALIGNMENT REFINED SR14. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 2 OF 2	
CV-I6001-E1	ALIGNMENT E1. CONSTRUCTION STAGING KEYMAP	
CV-I4001-E1	NOT USED	
CV-I4002-E1	ALIGNMENT E1. CENTRAL SUBSECTION. CONSTRUCTION STAGING. STA 457+07.05 TO STA 569+52.05	
CV-I4003-E1	ALIGNMENT E1. CENTRAL AND BURBANK SUBSECTION. CONSTRUCTION STAGING. STA 1891+47.74 TO STA 2147+05.29	
CV-I4004-E1	ALIGNMENT E1. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 1 OF 2	
CV-I4005-E1	ALIGNMENT E1. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 2 OF 2	
CV-I6001-E2	ALIGNMENT E2. CONSTRUCTION STAGING KEYMAP	
CV-I4001-E2	NOT USED	
CV-I4002-E2	ALIGNMENT E2. CENTRAL SUBSECTION. CONSTRUCTION STAGING. STA 457+07.05 TO STA 569+52.05	
CV-I4003-E2	ALIGNMENT E2. CENTRAL AND BURBANK SUBSECTION. CONSTRUCTION STAGING. STA 1872+00.00 TO STA 1960+11.55	
CV-I4004-E2	ALIGNMENT E2. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 1 OF 2	
CV-I4005-E2	ALIGNMENT E2. CONSTRUCTION STAGING LAYDOWN AREAS AND DISPOSAL SITES. 2 OF 2	

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							DESIGNED BY	
							DRAWN BY FJ. DOMINGUEZ	PEPD RECORD
							CHECKED BY	REV 02
0							A. NAVARRO	
524							A. RELAÑO	NOT FOR Constructi
020	REV	DATE	BY	Снк	APP	DESCRIPTION	DATE 04/30/2021	

SHEET	NO



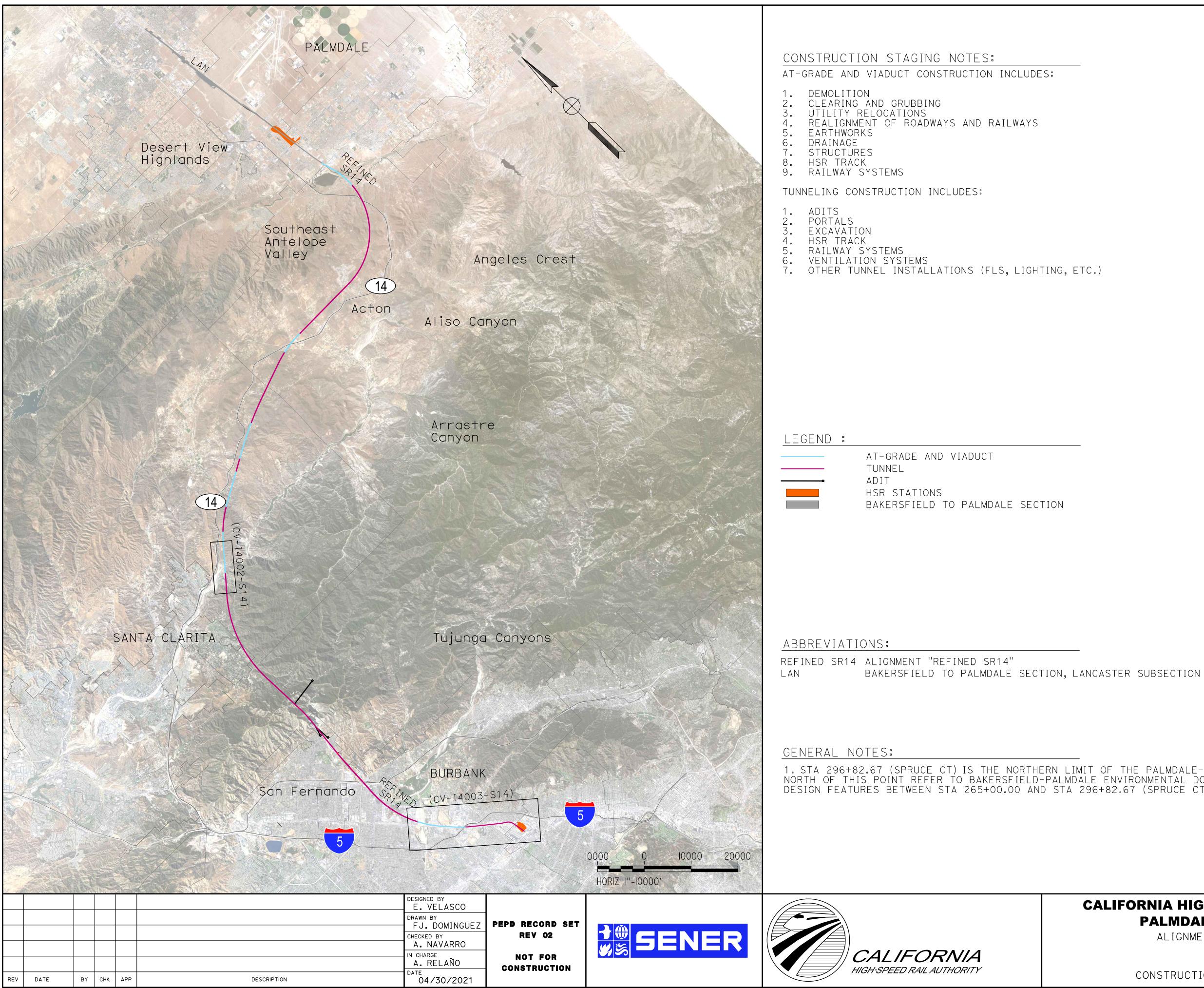
# **CALIFORNIA HIGH-SPEED RAIL PROJECT** PALMDALE TO BURBANK

ALIGNMENT REFINED SR14/E1/E2 GENERAL INDEX OF DRAWINGS

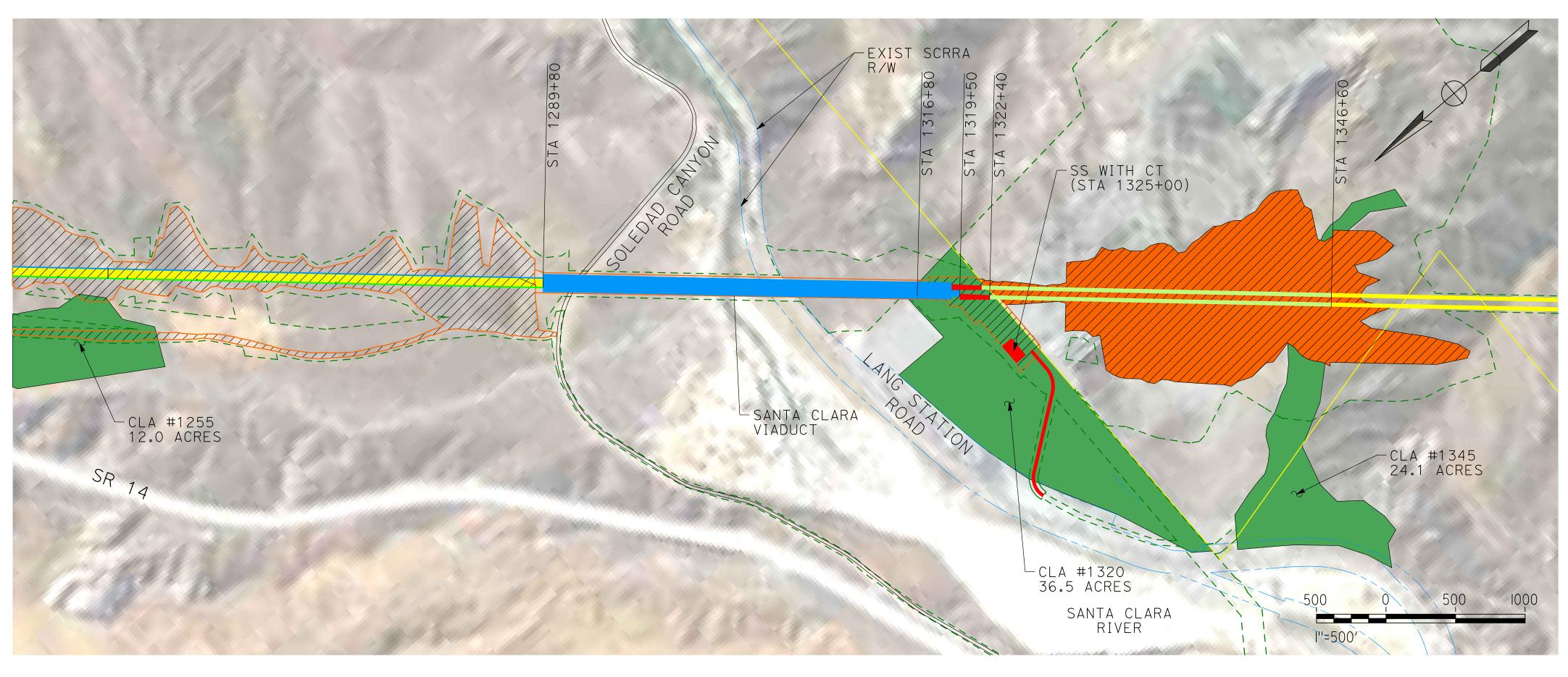
CONTRACT NO. HSR14-42

DRAWING NO. CV-I0001

SCALE NO SCALE



1. STA 296+82.67 (SPRUCE CT) IS THE NORTHERN LIMIT OF THE PALMDALE-BURBANK ENVIRONMENTAL DOCUMENT. NORTH OF THIS POINT REFER TO BAKERSFIELD-PALMDALE ENVIRONMENTAL DOCUMENT. DESIGN FEATURES BETWEEN STA 265+00.00 AND STA 296+82.67 (SPRUCE CT) SHOWN FOR REFERENCE. CONTRACT NO. **CALIFORNIA HIGH-SPEED RAIL PROJECT** HSR14-42 PALMDALE TO BURBANK DRAWING NO. CV-I6001-S14 ALIGNMENT REFINED SR14 SCALE AS SHOWN SHEET NO. CONSTRUCTION STAGING KEY MAP



PHASE	1

- DEMOLISH OLD MINE SITE FACILITIES (WITHIN FOOTPRINT AREAS)
   CLEAR AND GRUB CONSTRUCTION SITE
   PERFORM HSR GRADING OPERATIONS
   CONSTRUCT SANTA CLARA RIVER VIADUCTS

PHASE 2

- 1. PERFORM TBM EXCAVATION OF TUNNELS 2. PERFORM HS2 GRADING OPERATIONS
- (NORTH OF SANTA CLARA RIVER)

PHASE 3

1. CONSTRUCT OPEN AIR TUNNEL STRUCTURE WITHIN ANF LIMITS

PHASE 4

1. COVER TUNNEL STRUCTURE BUILT IN PHASE 3 2. RESTORE ORIGINAL GROUND PROFILE

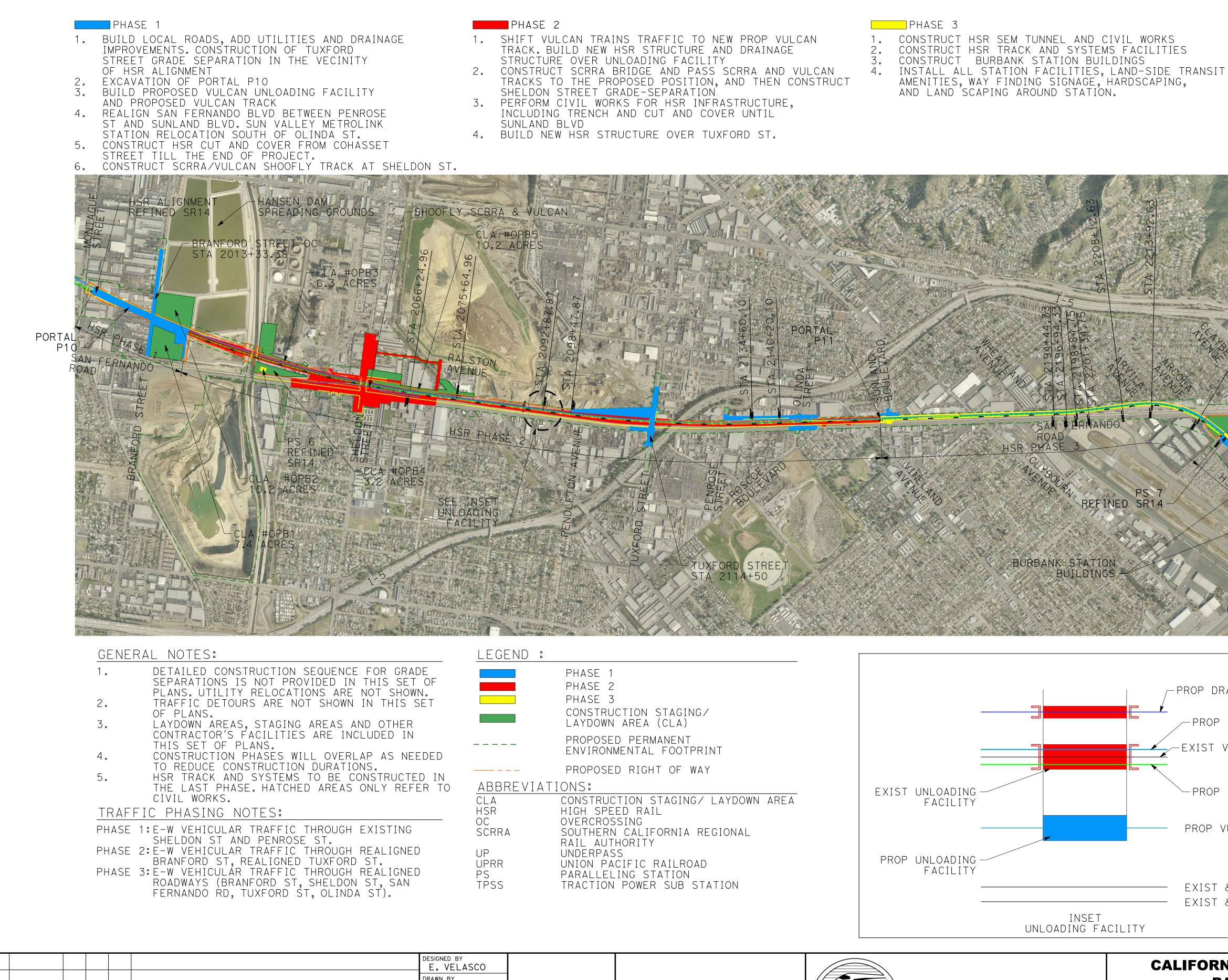
### PHASE 5

- 1. CONSTRUCT TUNNEL PORTAL FACILITIES, INCLUDING
- FLS FACILITIES
- 2. PERFORM FINAL RESTORATION OF ORIGINAL GROUND PROFILE
- 3. CONSTRUCT ACCESS ROAD TO TUNNEL PORTAL 4. INSTALL RAILWAY SYSTEMS

						DESIGNED BY	
						FJ. DOMINGUEZ	PEPD RECO
						CHECKED BY A. NAVARRO	REV O
						A. RELAÑO	NOT F Constru
REV	DATE	BY	снк	APP	DESCRIPTION	DATE 04/30/2021	



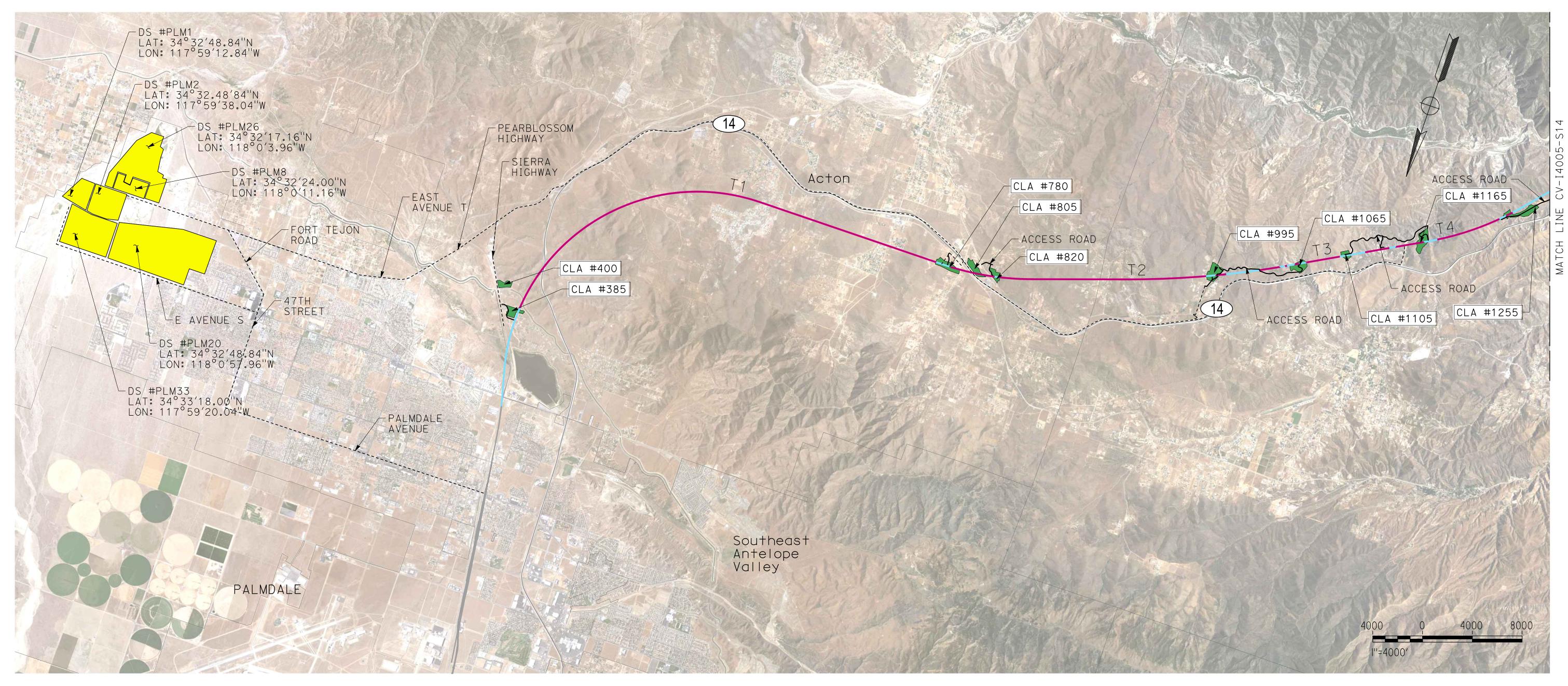
GENERAL NOTES:       1.       DETAILED CONSTRUCTION SEQUENCE FOR GRADE SEPARATIONS IS NOT PROVIDE 'N -HIS SET OF PLANS, UTLIT' RELOCATIONS ARE SLOWN IN THIS 3.         2.       MOT ALL TRATIC DETOUSS ARE SLOWN IN THIS 3.       SET OF PLANS.         3.       LOWITRATION STADIES ARE SLOWN IN THIS 3.       NOT RELOCATIONS ARE SLOWN IN THIS 3.         4.       CONSTRUCTION FRACLETINES ARE NUCLEDED IN THIS SET OF PLANS.       COUNSTRUCTION STADIES ARE SLOWN IN THE PLANS THE OF TAKEN AND SYSTEMS TO BE CONSTRUCTED TO REPLY TO CALL WORKS.         CONSTRUCTION STAGING NOTES:       1.       EXISTING STRUCTURES TO DE DEMOLISTIC IN STAGING NOTES:         1.       EXISTING STRUCTURES TO DE DEMOLISTIC IN STAGING NOTES:         1.       EXISTING STRUCTURES TO DE DEMOLISTIC IN STAGING NOTES:         1.       EXISTING STRUCTURES TO DE DEMOLISTIC IN STAGING/ INTER TRANSPACE ACLA)         EEGEND :       PHASE 2 PHASE 2 PHASE 3 PHASE 4 PHASE 4         CONSTRUCTION STAGING/ LANDOW AREA (CLA)         EXISTING READWARE TO DEFINIT         EXISTING READWARE TO DEFINIT         EXISTING READWARE TO THE AREA READWAREA (CLA)         PROPOSED RIGHT OF WAY         ANGULE NATION STACION STACION AREA INF THINGE BERTONA READWAREA (CLA)         CA       CONSTRUCTION STACION AREA INF THINGE STATION CONTRUCTION STACION TOWER         STAGE TO BURBANK ALIGNMENT REFINED SRI4 CONTRUCTION STACIONE CONTRUCTION TOWER         STAGE STATION CONTRUCTION STA 136				
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DEMOLISHED IN CONCURRANCE WITH APPROPRIATE PHASING.	<u>C(</u>	REFER T	O CIVIL WORKS.	AREAS ONET
PHASE 1 PHASE 3 PHASE 3 PHASE 3 PHASE 5 CUT/FILL AREAS CONSTRUCTION STAGING/ LAYDOWN AREA (CLA) PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT PROPOSED RIGHT OF WAY ANGELES NATION FOREST LIMITS EXISTING ROADWAY LIMITS ABBREVIATIONS: CLA CONSTRUCTION STAGING/ LAYDOWN AREA HSR +ICH SPEED RAIL SCRRA SOUTHEN CALIFORNIA RECIONAL RAIL AUTHORITY TBM TUNNEL BORING MACHINE ANT ANGELES NATIONAL FOREST SS SWITCHING SIALIFORNIA RECIONAL RAIL AUTHORITY TBM TUNNEL BORING MACHINE ANT ANGELES NATIONAL FOREST SS SWITCHING SIALION CT COMMUNICATION TOWER PRIMA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK ALIGNMENT REFINED SR14 CENTRAL SUBSECTION CONSTRUCTION STAGING	1.	DEMOLIS	hed in concurrance	WITH
ABBREVIATIONS:         CLA       CONSTRUCTION STAGING/ LAYDOWN AREA         HSR       HIGH SPEED RAIL         SCRRA       SOUTHERN CALIFORNIA REGIONAL         RAIL AUTHORITY       TBM         TBM       TUNNEL BORING MACHINE         ANF       ANGELES NATIONAL FOREST         SS       SWITCHING STATION         CT       COMMUNICATION TOWER         ORNIA HIGH-SPEED RAIL PROJECT       HSR14-42         PRNIA HIGH-SPEED RAIL PROJECT       HSR14-42         DEMODALE TO BURBANK       UPLANDE SUBSECTION         ALIGNMENT REFINED SR14       CONSTRUCTION STAGING         CONSTRUCTION STAGING       SCALE		PH PH PH PH PH PH PH PH CU CO CO LA PR EN AN LIM	ASE 2 ASE 3 ASE 4 ASE 5 T/FILL AREAS NSTRUCTION STAGING/ YDOWN AREA (CLA) OPOSED PERMANENT VIRONMENTAL FOOTPRIN OPOSED RIGHT OF WAY GELES NATION FOREST MITS	
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PRNIA HIGH-SPEED RAIL PROJECTHSR14-42PALMDALE TO BURBANKDRAWING NO.ALIGNMENT REFINED SR14CV-I4002-S14CENTRAL SUBSECTIONSCALECONSTRUCTION STAGINGSHEET NO.				
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PRNIA HIGH-SPEED RAIL PROJECTHSR14-42PALMDALE TO BURBANKDRAWING NO.ALIGNMENT REFINED SR14CV-I4002-S14CENTRAL SUBSECTIONSCALECONSTRUCTION STAGINGSHEET NO.				
CONSTRUCTION STAGING	PALMDAL Alignmen	E TO BURBA T REFINED SR1	NK	HSR14-42 drawing no. CV-I4002-S14 scale



	E. VELASCO						
PEPD RECO	drawn by FJ. DOMINGUEZ						
REV C	CHECKED BY A. NAVARRO						
NOT F	IN CHARGE A. RELAÑO						
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BURBANK AIRPORT			
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PROP HSR NB			
IST VULCAN TRACK			
PROP HSR SB			
ROP VULCAN TRACK			
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ORNIA HIGH-SPE	ED RAIL PRO	DJECT	CONTRACT NO. HSR14-42
PALMDALE TO Alignment ref	_		DRAWING NO. CV-I4003-S14
CENTRAL AND BURBA CONSTRUCTION	NK SUBSECTION		scale AS SHOWN



## NOTE:

- THE HSR ALIGNMENT DELINEATED IS SCHEMATIC. SEE DESIGN DETAILS IN THE ALIGNMENT PLANS.
- THE HAULING ROUTES DEFINED ARE THE PRINCIPAL ROUTES FROM THE LOCATIONS WHERE SPOILS ARE ORIGINATED TO THE CLOSEST POTENTIAL DISPOSAL SITES. ALTERNATIVE/ ADDITIONAL ROUTES MAY BE DEFINED IN LATER STAGES OF THE PROJECT.
- THE POTENTIAL DISPOSAL AREAS IDENTIFIED SHOULD BE CONFIRMED IN LATER STAGES OF THE PROJECT.

	POTENTIAL D	S DATA ( <del>x</del> )	
NO.	MINE ID	OPERATION TYPE	ACREAGE PERMITTED
PLM1	91-19-0001	QUARRY	313
PLM2	91-19-0002	OPEN PIT	234
PLM8	91-19-0008	OPEN PIT	236
PLM20	91-19-0020	OPEN PIT	665
PLM26	91-19-0026	OPEN PIT	373
PLM33	91-19-0033	OPEN PIT	293
(*) SEE CONSTR	UCTABILITY ASSE	SSMENT REPORT F	OR ADDITIONAL DATA

	DESIGNED BY						
PEPD RECO	drawn by FJ. DOMINGUEZ						
REV	CHECKED BY						
NOT F	A. NAVARRO						
CONSTRU	A. RELAÑO						
	04/30/2021	DESCRIPTION	APP	СНК	BY	DATE	REV

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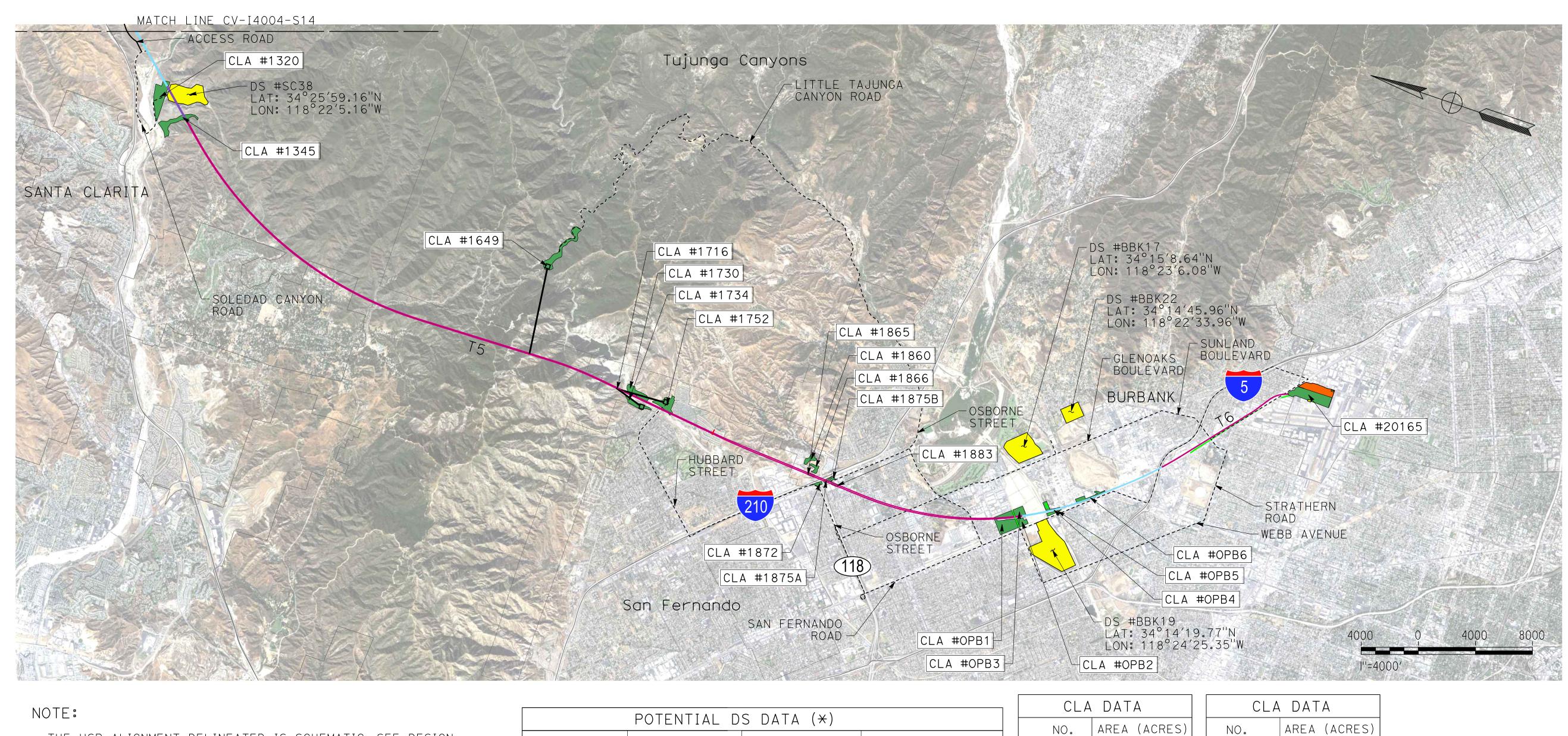




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Ā	LEGEND :		
(ACRES)		AT-GRADE AND VIADUCT	
16.7		TUNNEL DISPOSAL ROUTE	
12.1		HSR STATIONS	
23.8		CLA Potential disposal si <sup>-</sup>	TE
17.4	ABBREVIAT	TIONS:	
12.0	CLA	CONSTRUCTION STAGING/	LAYDOWN AREA
27.3	T1 DS	TUNNEL 1 DISPOSAL SITE	
20.7			
9.5			
		RAIL PROJECT	contract no. HSR14-42
	<b>IDALE TO BU</b> GNMENT REFINE		drawing no. CV-I4004-S14
ON STAGI	ING LAYDOWN AF	REAS & DISPOSAL SITES	scale AS SHOWN
UN JIAU	1 OF 2	NEAS & DISTOSAL SITES	SHEET NO.



- THE HSR ALIGNMENT DELINEATED IS SCHEMATIC. SEE DESIGN DETAILS IN THE ALIGNMENT PLANS.
- THE HAULING ROUTES DEFINED ARE THE PRINCIPAL ROUTES FROM THE LOCATIONS WHERE SPOILS ARE ORIGINATED TO THE CLOSEST POTENTIAL DISPOSAL SITES. ALTERNATIVE/ ADDITIONAL ROUTES MAY BE DEFINED IN LATER STAGES OF THE PROJECT.
- THE POTENTIAL DISPOSAL AREAS IDENTIFIED SHOULD BE CONFIRMED IN LATER STAGES OF THE PROJECT.

	POTENTIAL D	s data ( <del>x</del> )	
NO.	MINE ID	OPERATION TYPE	ACREAGE PERMITTED
SC 38	91-19-0038	OPEN PIT	133
BBP 17	91-19-0017	OPEN PIT	156
BBP 19	91-19-0019	OPEN PIT	124
BBP 22	91-19-0022	OPEN PIT	124
(*) SEE CONSTR	UCTABILITY ASSE	SSMENT REPORT F	OR ADDITIONAL DATA

						DESIGNED BY	
						drawn by FJ. DOMINGUEZ	PEPD RECORD SET
						CHECKED BY	REV 02
						in charge A. RELAÑO	NOT FOR Construction
REV	DATE	BY	снк	APP	DESCRIPTION	DATE 04/30/2021	

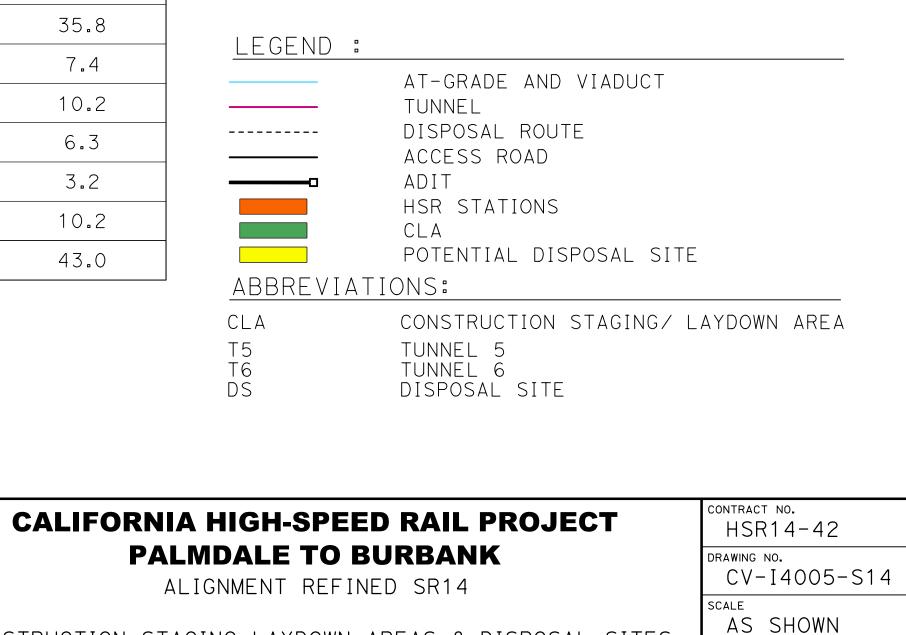
CLA	DATA
NO.	AREA (ACRES)
1320	36.5
1345	24.1
1649	32.8
1716	0.1
1730	16.2
1734	10.6
1752	20.7
1860	6.7
1865	2.0
1866	4.6
1872	2.9
1875A	1.9
1875B	1.6

CLA	DATA
NO.	AREA (ACRES
1883	2.0
OPB1	35.8
OPB2	7.4
OPB3	10.2
OPB4	6.3
OPB5	3.2
OPB6	10.2
20165	43.0

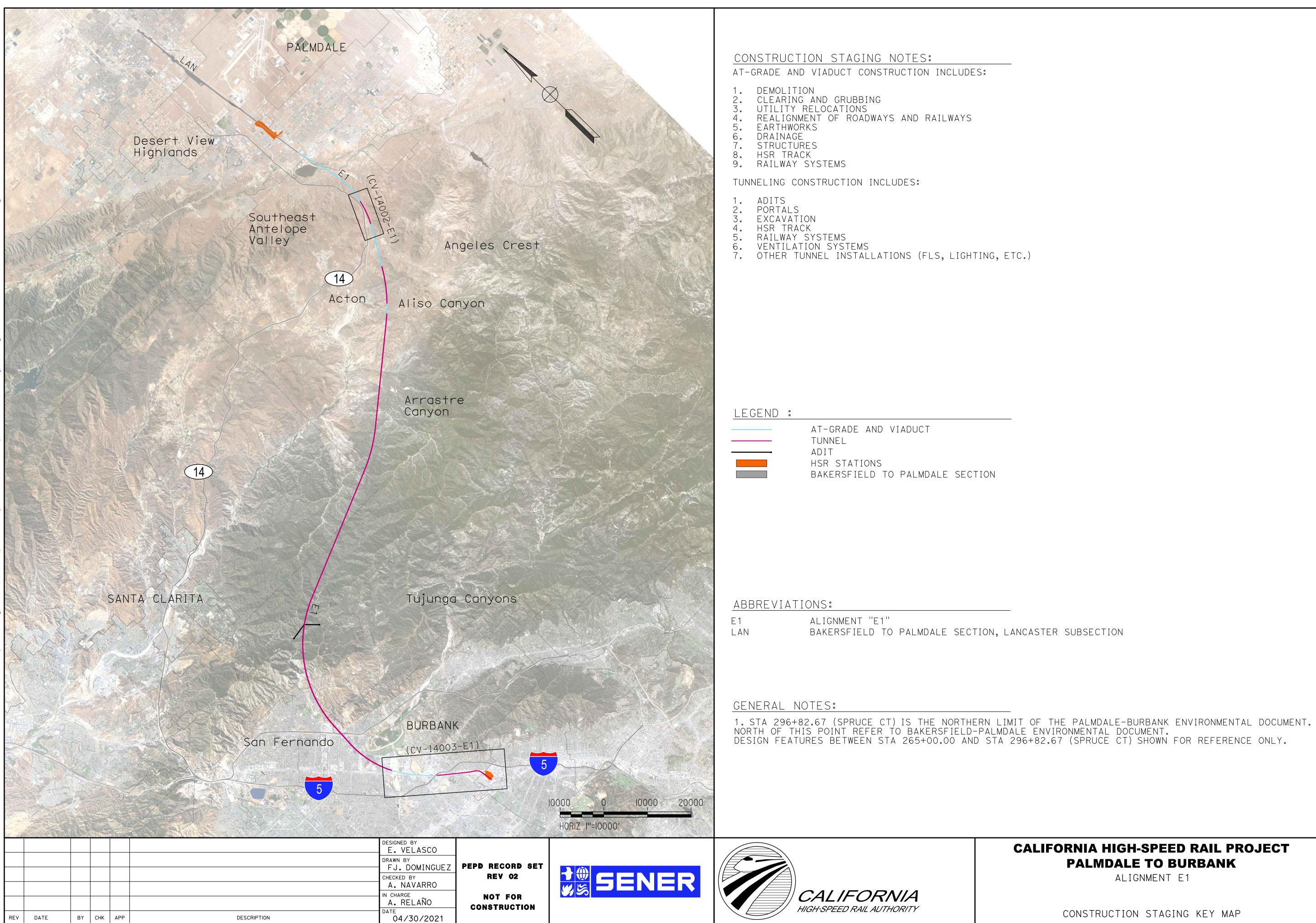




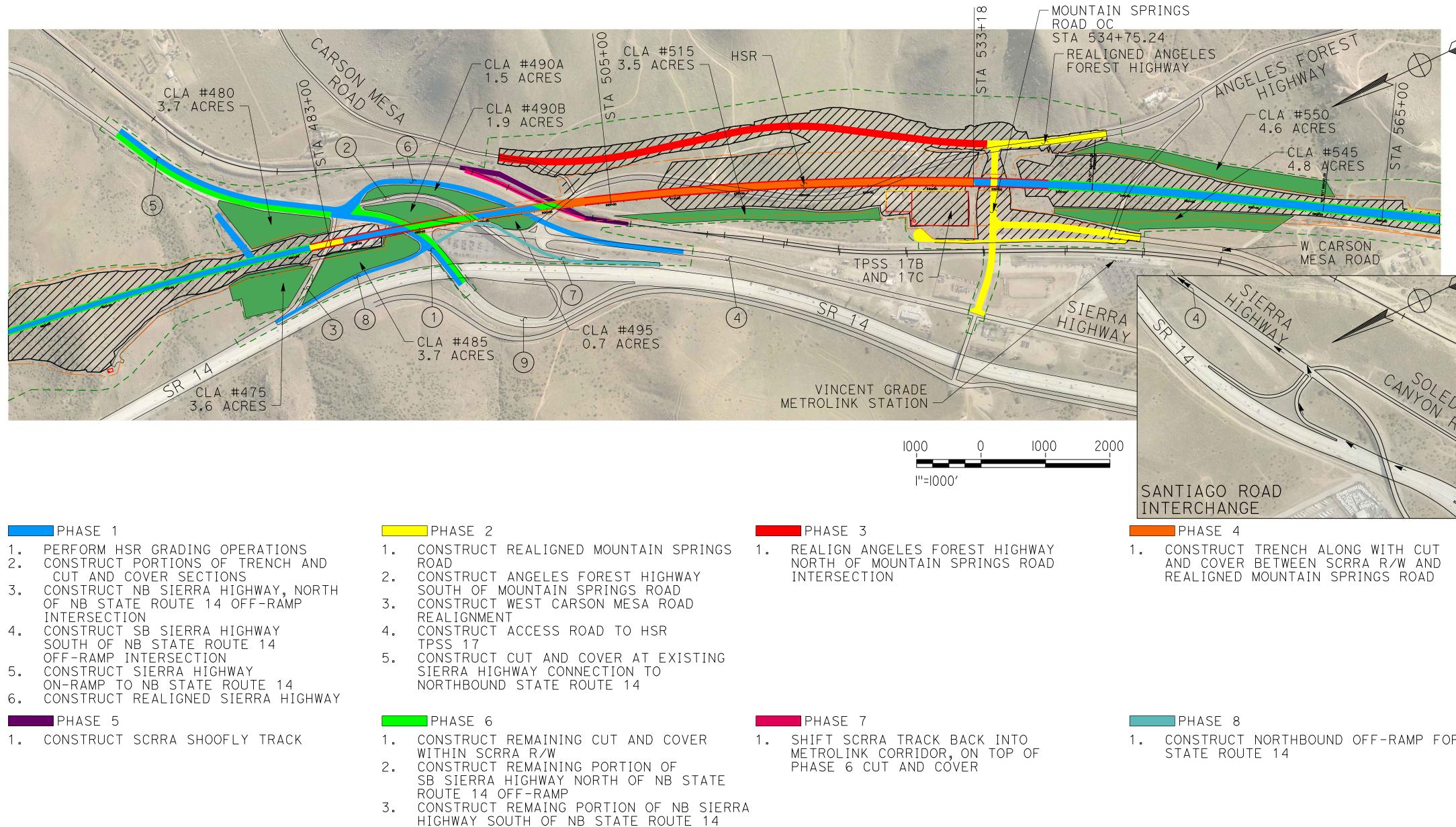
CONSTRUCTIO



ON	STAGING	LAYDOWN	AREAS	&	DISPOSAL	SITES
		2 OF 2				



67 (SPRUCE CT) SHOWN FOR REFERENCE ONLY.	
ORNIA HIGH-SPEED RAIL PROJECT	CONTRACT NO. HSR14-42
PALMDALE TO BURBANK	
	HSR14-42 DRAWING NO.



- OFF-RAMP

METROLINK TRAFFICEXISTING <t< th=""><th></th><th></th><th>DESIGNED BY E. VELASCO</th><th></th><th></th><th></th><th></th><th></th><th>CALIFOR</th></t<>			DESIGNED BY E. VELASCO						CALIFOR
METROLINK TRAFFICEXISTING<	ANGELES FOREST HIGHWAY	EXISTING	EXISTING	EXISTING	RELOCATED	RELOCATED	RELOCATED	RELOCATED	RELOCATED
METROLINK TRAFFICEXISTING <t< td=""><td>TO SIERRA HIGHWAY SB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>(9)</u>→(1)→(6)</td></t<>	TO SIERRA HIGHWAY SB								<u>(9)</u> →(1)→(6)
METROLINK TRAFFICEXISTING<	ТО	EXISTING 9	EXISTING (9)	EXISTING (9)	EXISTING (9)	EXISTING (9)	SANTIAGO ROAD INTERCHANGE	SANTIAGO ROAD INTERCHANGE	EXISTING (9) SANTIAGO ROA INTERCHANGE (4)6)5
METROLINK TRAFFIC       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING         ANGELES FOREST HIGHWAY TO SIERRA HIGHWAY       EXISTING       EXISTING       EXISTING       THROUGH NEW MOUNTAIN SPRINGS ROAD       THROUGH NEW SPRINGS ROAD       THROUGH NEW SPRINGS ROAD       THROUGH NEW SPRINGS ROAD       THROUGH NEW SPRINGS ROAD       THROUGH NEW S	ТО		$(5) \rightarrow (8), (6) \rightarrow (8)$	$) (5) \rightarrow (8), (6) \rightarrow (8)$	5	$5 \rightarrow 8, 6 \rightarrow 8$	$(5 \rightarrow 8), (6 \rightarrow 8)$		
METROLINK TRAFFIC EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING	ТО	I IO IWO LANES	EXISTING	EXISTING	EXISTING	EXISTING	REDUCE EXISTING TO TWO LANES	EXISTING	EXISTING
	ТО		EXISTING	MOUNTAIN	MOUNTAIN	MOUNTAIN	MOUNTAIN	THROUGH NEW MOUNTAIN SPRINGS ROAD	THROUGH NEW MOUNTAIN SPRINGS ROAD
TRAFFIC ROUTEPHASE 1PHASE 2PHASE 3PHASE 4PHASE 5PHASE 6PHASE 7PHASE 7PHASE 7	METROLINK TRAFFIC	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SHOOFLY	SHOOFLY	EXISTING
	TRAFFIC ROUTE	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE

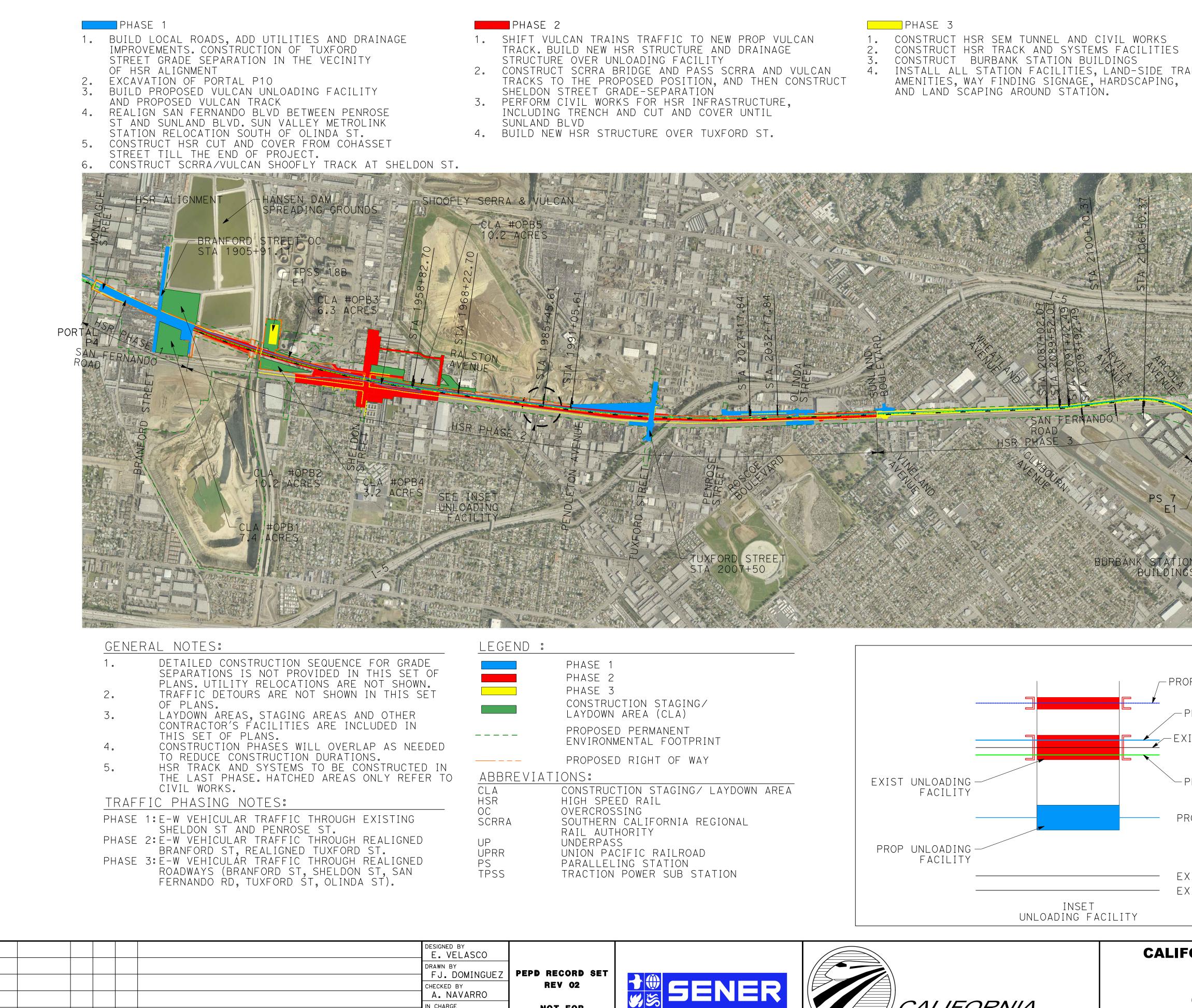
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CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 04/30/2021	
						A. RELAÑO	NOT FOR Construction
						CHECKED BY A. NAVARRO	REV 02
						drawn by FJ. DOMINGUEZ	
						DESIGNED BY	

1	GENERAL 1	NOTES:	
	1. DE <sup>-</sup>	TAILED CONSTRUCTION SE	
	PL,	PARATIONS IS NOT PROVID ANS. UTILITY RELOCATION	S ARE NOT SHOWN.
	SE	T ALL TRAFFIC DETOURS T OF PLANS.	
	CO	YDOWN AREAS, STAGING AF NTRACTOR'S FACILITIES A	REAS AND OTHER RE INCLUDED IN
	4. CON	IS SET OF PLANS. NSTRUCTION PHASES WILL	
	5. HSF	EDED TO REDUCE CONSTRU R TRACK AND SYSTEMS TO	) BE CONSTRUCTED
		THE LAST PHASE. HATCHE FER TO CIVIL WORKS.	LD AREAS ONLY
	CONSTRUC	tion staging notes	0 0
	1. STF	RUCTURES TO BE DEMOLIS	HED IN
		NCURRANCE WITH APPROPR Asing.	ΙΑΤΕ
and the second			
	LEGEND :		
1		PHASE 1	
EDADDAD		PHASE 2 Phase 3	
ROAD		PHASE 4	
CA		PHASE 5 Phase 6	
		PHASE 7	
11		PHASE 8 CUT/FILL AREAS	
		CONSTRUCTION STAGING Laydown area (cla)	G/
)	(1)	REALIGNED STATE ROU Southbound on-Ramp	TE 14
	(2)	EXISTING NORTHBOUND ROUTE 14 OFF-RAMP	STATE
	(3)	EXISTING SIERRA HIGH	
	$\sim$	TO NORTHBOUND STATE EXISTING SIERRA HIGH	
	(4)		
	(5)	REALIGNED NORTHBOUN	D SIERRA HIGHWAY
OR	6	REALIGNED SIERRA HIG	
	$\overline{7}$	REALIGNED NORTHBOUN OFF-RAMP	d state route 14
	8	REALIGNED STATE ROU NORTHBOUND ON-RAMP	
	(9)	EXISTING STATE ROUTE OFF-RAMP	E 14 SOUTHBOUND
SE 8		PROPOSED PERMANENT	
NG		ENVIRONMENTAL FOOTPI	
NEW		PROPOSED RIGHT OF W	
IN Road		EXISTING ROADWAY LIN	1ITS
IG		EXISTING METROLINK	
	<b>→ → →</b>	TRAFFIC DIRECTION	
$(5) \rightarrow (8)$			
	ABBREVIAT cla	CONSTRUCTION STAGING	
(9), ROAD	HSR OC	HIGH SPEED RAIL OVERCROSSING	/ LATDOWN AREA
ANGE	SCRRA	SOUTHERN CALIFORNIA I RAIL AUTHORITY	REGIONAL
	UP UPRR	UNDERPASS UNION PACIFIC RAILROA	
→6)	TPSS	TRACTION POWER SUPPL	
ΓED			
			CONTRACT NO.
-		RAIL PROJECT	HSR14-42
FALIV	ALIGNMENT E		CV-I4002-E1
	ENTRAL SUBSEC NSTRUCTION ST		SCALE AS SHOWN
	+07.05 TO STA		SHEET NO.



**REV 02** CHECKED BY A. NAVARRO IN CHARGE NOT FOR A. RELAÑO CONSTRUCTION DATE DESCRIPTION 04/30/2021

REV

DATE

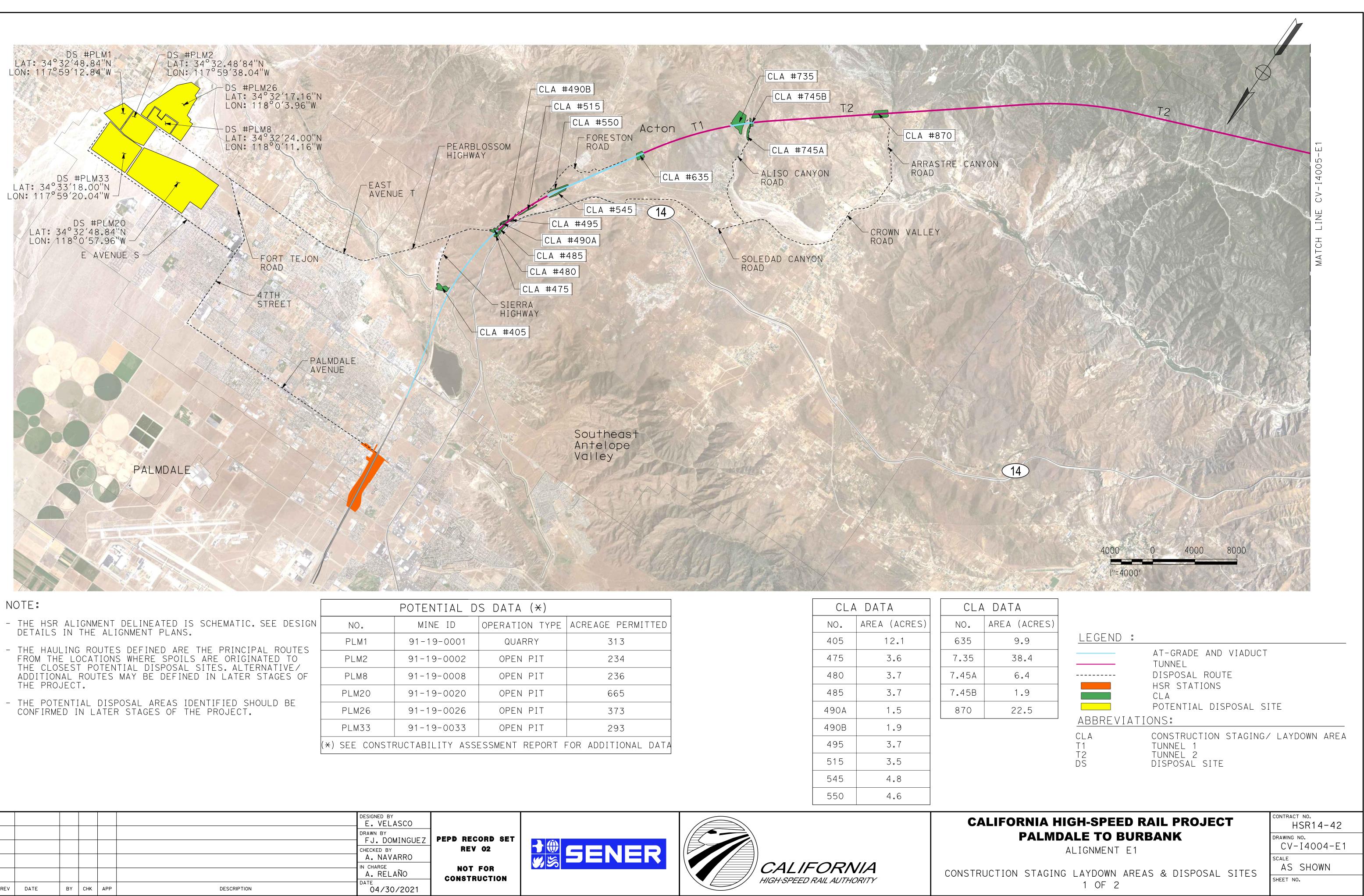
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CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

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	A #20165 3.0 ACRES	
BOB HOPE BURBANK AIRPORT	SALANDA SALANDA	
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ST VULCAN TRACK OP HSR SB		
OP HSR NB ST VULCAN TRACK OP HSR SB P VULCAN TRACK ST & PROP SCRRA ST & PROP SCRRA	1000 0 1000 1"=1000'	) 2000



POTENTIAL DS DATA ( <del>x</del> )					
NO.	MINE ID	OPERATION TYPE	ACREAGE PERMITTED		
PLM1	91-19-0001	QUARRY	313		
PLM2	91-19-0002	OPEN PIT	234		
PLM8	91-19-0008	OPEN PIT	236		
PLM20	91-19-0020	OPEN PIT	665		
PLM26	91-19-0026	OPEN PIT	373		
PLM33	91-19-0033	OPEN PIT	293		
(*) SEE CONSTRUCTABILITY ASSESSMENT REPORT FOR ADDITIONAL DATA					

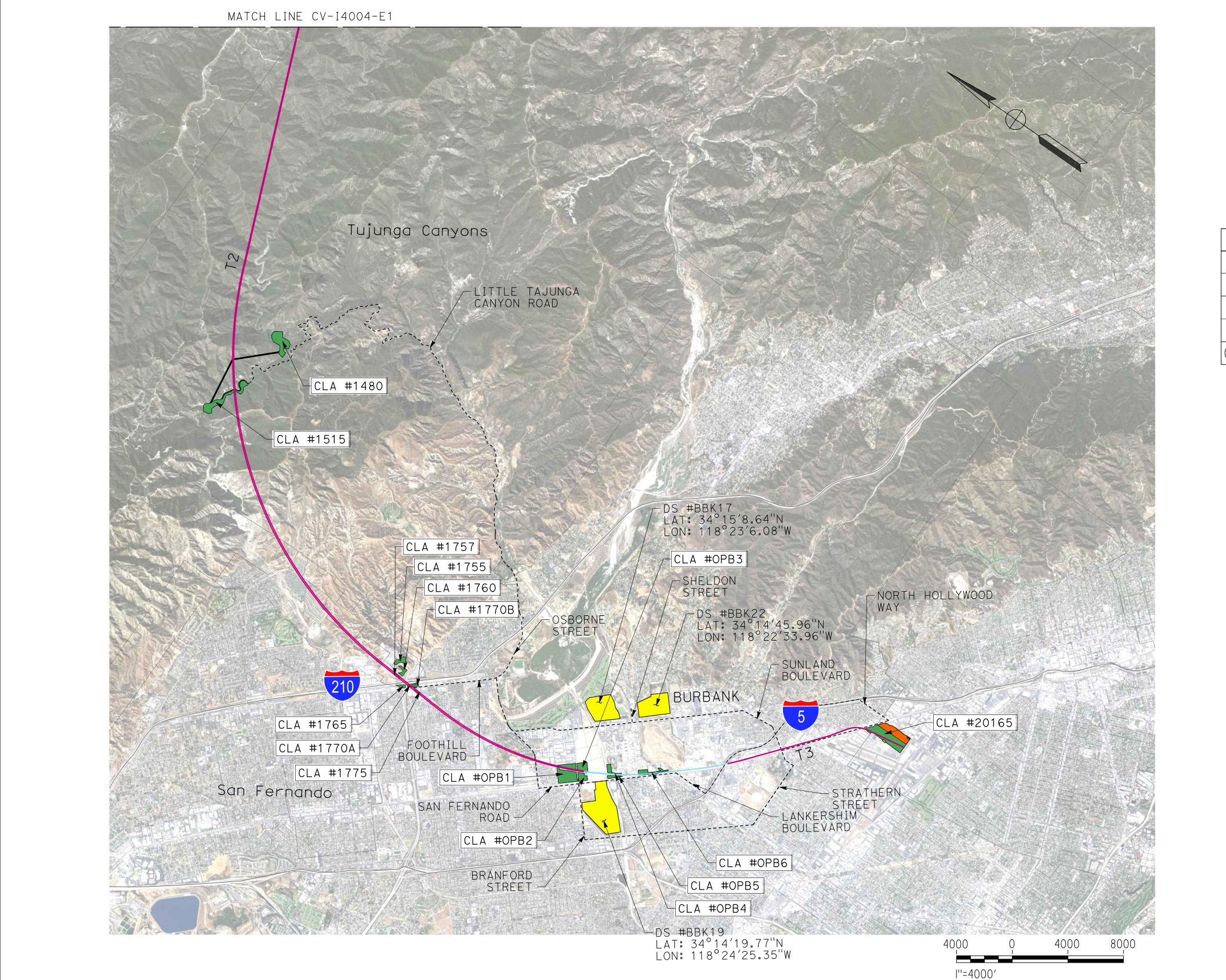
						DESIGNED BY E. VELASCO	
						drawn by FJ. DOMINGUEΖ	PEPD RECO
						CHECKED BY A. NAVARRO	REV O
						A. RELAÑO	NOT F Constru
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 04/30/2021	

CLA DATA			
NO.	AREA (ACRES)		
405	12.1		
475	3.6		
480	3.7		
485	3.7		
490A	1.5		
490B	1.9		
495	3.7		
515	3.5		
545	4.8		
550	4.6		

CLA	DA
NO.	AREA
635	
7.35	
7.45A	
7.45B	
870	





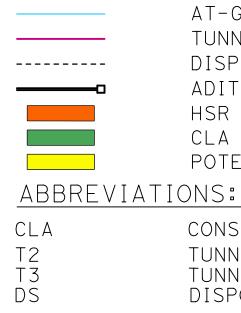


# NOTE:

POTENTIAL DS DATA (*)				
NO.	MINE ID	OPERATION TYPE	ACREAGE PERMITTED	
BBK 17	91-19-0017	OPEN PIT	156	
BBP 19	91-19-0019	OPEN PIT	124	
BBP 22	91-19-0022	OPEN PIT	124	
(*) SEE CONSTRUCTABILITY ASSESSMENT REPORT FOR ADDITIONAL DATA				

CLA	DATA
NO.	AREA (ACRES)
1480	28.0
1515	32.8
1755	6.7
1757	2.0
1760	4.6
1765	2.9
1770A	1.9
1770B	1.6
1775	2.0
OPB1	35.8
OPB2	7.4
OPB3	10.2
OPB4	6.3

# LEGEND :





- THE HSR ALIGNMENT DELINEATED IS SCHEMATIC. SEE DESIGN DETAILS IN THE ALIGNMENT PLANS.

THE HAULING ROUTES DEFINED ARE THE PRINCIPAL ROUTES FROM THE LOCATIONS WHERE SPOILS ARE ORIGINATED TO THE CLOSEST POTENTIAL DISPOSAL SITES. ALTERNATIVE/ ADDITIONAL ROUTES MAY BE DEFINED IN LATER STAGES OF THE PROJECT.

- THE POTENTIAL DISPOSAL AREAS IDENTIFIED SHOULD BE CONFIRMED IN LATER STAGES OF THE PROJECT.

CLA DATA				
NO.	AREA (ACRES)			
OPB5	3.2			
OPB6	10.2			
20165	43.0			

AT-GRADE AND VIADUCT
TUNNEL
DISPOSAL ROUTE
ADIT
HSR STATIONS
CLA
POTENTIAL DISPOSAL SITE
ONS

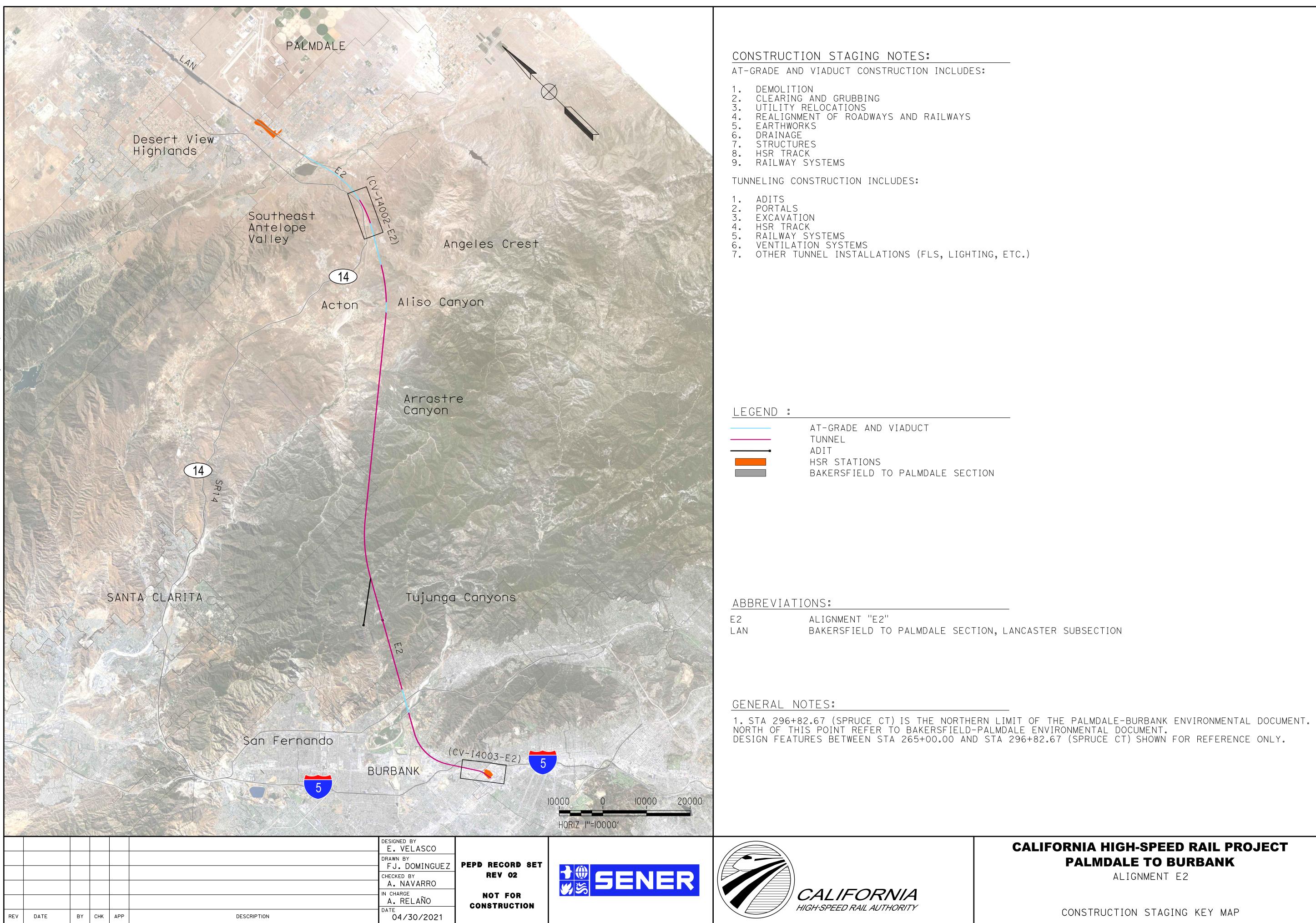
CONSTRUCTION STAGING/ LAYDOWN AREA TUNNEL 2 TUNNEL 3 DISPOSAL SITE

ORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK

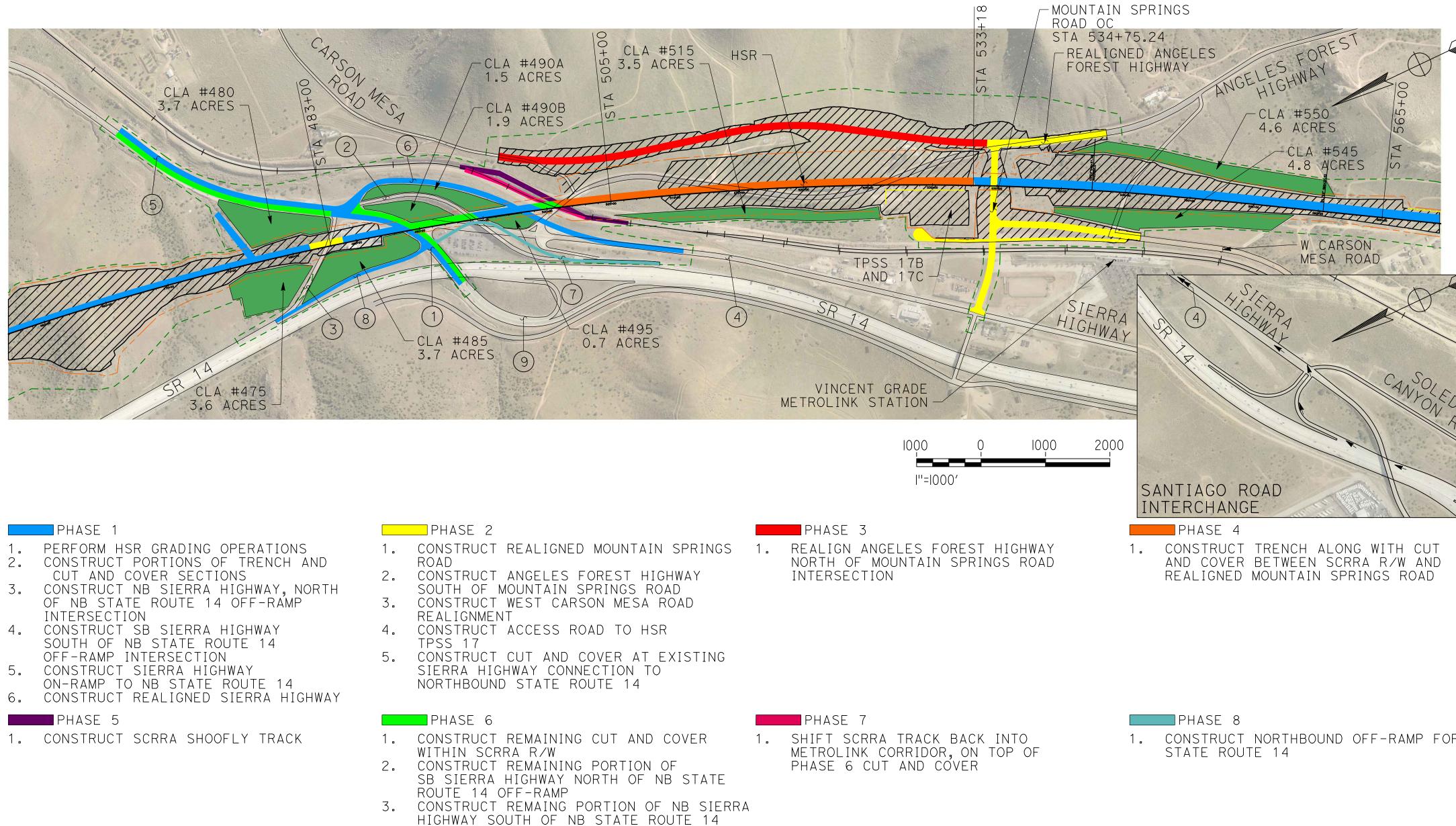
ALIGNMENT E1
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ON	STAGING	LAYDO	WN	AREAS	&	DISPOSAL	SITES
		20	= 2				

CONTRAC <sup>®</sup>	т NO. R14-42
drawing CV-	<sup>№</sup> . 14005-E1
<sup>scale</sup>	SHOWN



ORNIA HIGH-SPEED RAIL PROJECT	CONTRACT NO. HSR14-42
ORNIA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK ALIGNMENT E2	
PALMDALE TO BURBANK	HSR14-42 DRAWING NO.



- OFF-RAMP

IRAFFIC ROUTEPHASE 1PHASE 2PHASE 3PHASE 4PHASE 5PHASE 6PHASE 7PHASE 7METROLINK TRAFFICEXISTING<			DESIGNED BY E. VELASCO						CALIFO
METROLINK TRAFFICEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGANGELES FOREST HIGHWAY TO STERRA HIGHWAYEXISTINGEXISTINGIHROUGH NEW MOUNTAIN 	ANGELES FOREST HIGHWAY	EXISTING	EXISTING	EXISTING	RELOCATED	RELOCATED	RELOCATED	RELOCATED	RELOCATE
METROLINK TRAFFICEXISTING <t< td=""><td>ТО</td><td>EXISTING <math>(9) \rightarrow (4)</math></td><td>96</td><td>(9)→(1)→(6)</td><td>(9)→(1)→(6)</td><td>(9)→(1)→(6)</td><td>(9)→(1)→(6)</td><td>96</td><td>9</td></t<>	ТО	EXISTING $(9) \rightarrow (4)$	96	(9)→(1)→(6)	(9)→(1)→(6)	(9)→(1)→(6)	(9)→(1)→(6)	96	9
METROLINK TRAFFICEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGEXISTINGANGELES FOREST HIGHWAY TO SIERRA HIGHWAYEXISTINGEXISTINGTHROUGH NEW MOUNTAIN SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW SPRINGS ROADTHROUGH NEW <b< td=""><td>ТО</td><td>EXISTING (9)</td><td>EXISTING (9)</td><td>EXISTING (9)</td><td>EXISTING (9)</td><td>EXISTING (9)</td><td>SANTIAGO ROAD INTERCHANGE</td><td>SANTIAGO ROAD INTERCHANGE</td><td>SANTIAGO R INTERCHAN</td></b<>	ТО	EXISTING (9)	EXISTING (9)	EXISTING (9)	EXISTING (9)	EXISTING (9)	SANTIAGO ROAD INTERCHANGE	SANTIAGO ROAD INTERCHANGE	SANTIAGO R INTERCHAN
METROLINK TRAFFIC       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING         ANGELES FOREST HIGHWAY TO SIERRA HIGHWAY       EXISTING       EXISTING       EXISTING       THROUGH NEW MOUNTAIN SPRINGS ROAD       THROUGH NEW SPRINGS R	ТО		5	5 - 8,6 - 8	5	5	$(5) \rightarrow (8), (6) \rightarrow (8)$	$(5) \rightarrow (8), (6) \rightarrow (8)$	) 5 - 8,6-
METROLINK TRAFFIC       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING       EXISTING         ANGELES FOREST HIGHWAY TO       EXISTING       EXISTING       EXISTING       THROUGH NEW MOUNTAIN       THROUGH NEW MO	ТО	TO TWO LANES	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	EXISTING
	ТО	EXISTING	EXISTING	MOUNTAIN	MOUNTAIN	MOUNTAIN	MOUNTAIN	MOUNTAIN	MOUNTAIN
TRAFFIC ROUTEPHASE 1PHASE 2PHASE 3PHASE 4PHASE 5PHASE 6PHASE 7PHASE 7	METROLINK TRAFFIC	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SHOOFLY	SHOOFLY	EXISTING
	TRAFFIC ROUTE	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE

→ ∰ SENER

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

						DESIGNED BY E. VELASCO DRAWN BY FJ. DOMINGUEZ CHECKED BY A. NAVARRO	PEPD RECORD SET Rev 02
						IN CHARGE A. RELAÑO DATE	NOT FOR Construction
REV	DATE	BY	СНК	APP	DESCRIPTION	04/30/2021	

		AILED CONSTRUCTION SEQU	
~		ARATIONS IS NOT PROVIDE NS. UTILITY RELOCATIONS ALL TRAFFIC DETOURS A	ARE NOT SHOWN.
	SET 3. LAY	OF PLANS. Down areas, staging are	AS AND OTHER
	THI	TRACTOR'S FACILITIES AR S SET OF PLANS. STRUCTION PHASES WILL (	
	NEE	DED TO REDUCE CONSTRUC TRACK AND SYSTEMS TO	TION DURATIONS. BE CONSTRUCTED
	REF	ER TO CIVIL WORKS. ION STAGING NOTES:	AREAS ONET
1			
	CON	UCTURES TO BE DEMOLISH CURRANCE WITH APPROPRIA SING.	
	LEGEND :		
		PHASE 1	
DADAD		PHASE 2 Phase 3	
TOAD		PHASE 4 Phase 5	
		PHASE 6 PHASE 7	
1		PHASE 8 CUT/FILL AREAS	,
		CONSTRUCTION STAGING/ LAYDOWN AREA (CLA)	
		REALIGNED STATE ROUTE SOUTHBOUND ON-RAMP	
	2	EXISTING NORTHBOUND S ROUTE 14 OFF-RAMP	
	(3)	EXISTING SIERRA HIGHW TO NORTHBOUND STATE	
	(4)	EXISTING SIERRA HIGHW	ΑY
	(5)	REALIGNED NORTHBOUND	SIERRA HIGHWAY
OR	(6)	REALIGNED SIERRA HIGH REALIGNED NORTHBOUND	
	(7)	OFF-RAMP REALIGNED STATE ROUTE	
		NORTHBOUND ON-RAMP EXISTING STATE ROUTE	
	(9)	OFF-RAMP PROPOSED PERMANENT	14 30011100010
GE8		ENVIRONMENTAL FOOTPRI	
JEW		PROPOSED RIGHT OF WAY	
DAD		EXISTING ROADWAY LIMI	15
3		EXISTING METROLINK	
		TRAFFIC DIRECTION	
)→ <u>(8)</u>	ABBREVIAT		
(9), ROAD	CLA HSR OC	CONSTRUCTION STAGING/ HIGH SPEED RAIL OVERCROSSING	LAIDOWN AREA
NGE ►(5)	SCRRA	SOUTHERN CALIFORNIA RE RAIL AUTHORITY	EGIONAL
►(6)	UP UPRR TPSS	UNDERPASS UNION PACIFIC RAILROAD TRACTION POWER SUPPLY	
ED			
			CONTRACT NO.
	HIGH-SPEED IDALE TO BU	RAIL PROJECT RBANK	HSR14-42 Drawing no.
	ALIGNMENT E2 ENTRAL SUBSEC	2	CV-I4002-E2 scale
СО	NSTRUCTION STA	AGING	AS SHOWN Sheet NO.
JIA 401	+07.05 TO STA	JUJTJZIUJ	1

PHASE 1		PHASE 2
<ol> <li>UTILITIES RELOCATION</li> <li>SCRRA SHOOFLY TRACK</li> <li>TEMPORARY DETOUR OF SAN FERNANDO RD</li> <li>CONSTRUCTION CUT AND COVER IN AREA NOT IMPACTING EXISTING SCRRA OR SAN FERNANDO RD.</li> </ol>	1. 2.	CONSTRUCTION REST O START BUILDING SEM



1		
1.	DETAILED CONSTRUCTION SEQUENCE FOR GRADE	
	SEPARATIONS IS NOT PROVIDED IN THIS SET OF	
~	PLANS. UTILITY RELOCATIONS ARE NOT SHOWN.	
2.	TRAFFIC DETOURS ARE NOT SHOWN IN THIS SET	
7	OF PLANS.	
3.	LAYDOWN AREAS, STAGING AREAS AND OTHER	
	CONTRACTOR'S FACILITIES ARE INCLUDED IN	
<u>,</u>	THIS SET OF PLANS.	
1.	CONSTRUCTION PHASES WILL OVERLAP AS NEEDED	
_	TO REDUCE CONSTRUCTION DURATIONS	
5.	HSR_TRACK AND SYSTEMS TO BE CONSTRUCTED	
	IN THE LAST PHASE. HATCHED AREAS ONLY REFER	
	TO CIVIL WORKS.	ABBREVIATI
		CLA
		HSR
		OC
		SCRRA

							DESIGNED BY	
							drawn by FJ. DOMINGUEZ	PEPD RECOR
╞							CHECKED BY	REV O
J L 4 U							IN CHARGE A. RELAÑO	NOT FO Construc
	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 04/30/2021	

OF CUT AND COVER M TUNNEL

### PHASE 3

- 1. 2.
- REALIGN SCRRA AND SAN FERNANDO ROAD TO ITS CURRENT POSITION CONSTRUCT HSR TRACKS AND SYSTEM FACILITIES CONSTRUCT BURBANK STATION BUILDINGS INSTALL ALL STATION FACILITIES, LAND-SIDE TRANSIT AMENITIES, WAY FINDING SIGNAGE, HARDSCAPING, AND LAND SCAPING AROUND STATION. 3. 4.

-BURBANK STATION BUILDINGS -CLA 1930 43.0 ACRES STA

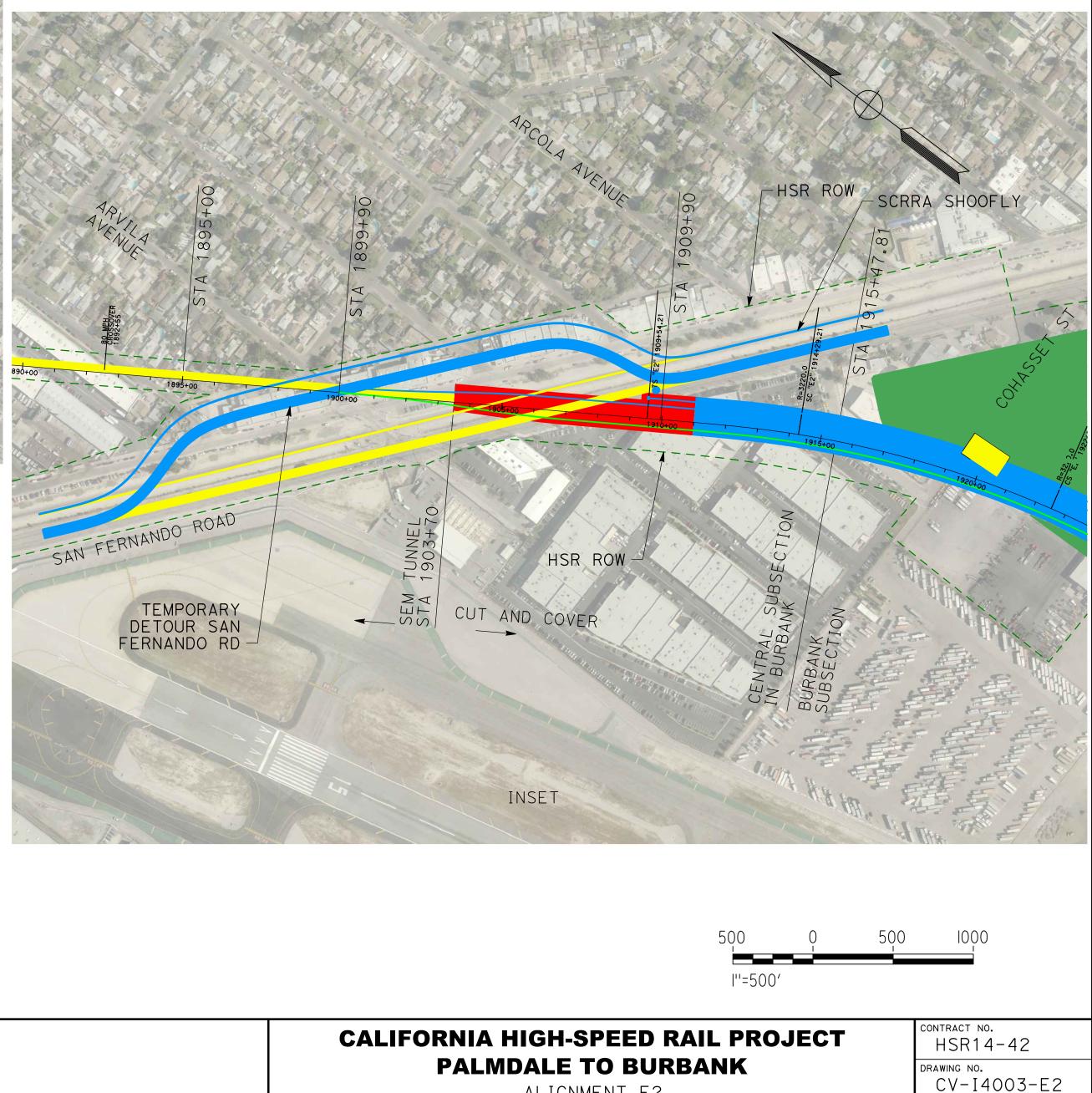
PHASE 1 PHASE 2 PHASE 3 CONSTRUCTION STAGING/ Laydown area (cla) PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT PROPOSED RIGHT OF WAY

### IONS:

UP

UPRR PS TPSS

CONSTRUCTION STAGING/ LAYDOWN AREA HIGH SPEED RAIL OVERCROSSING SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY UNDERPASS UNION PACIFIC RAILROAD PARALLELING STATION TRACTION POWER SUB STATION



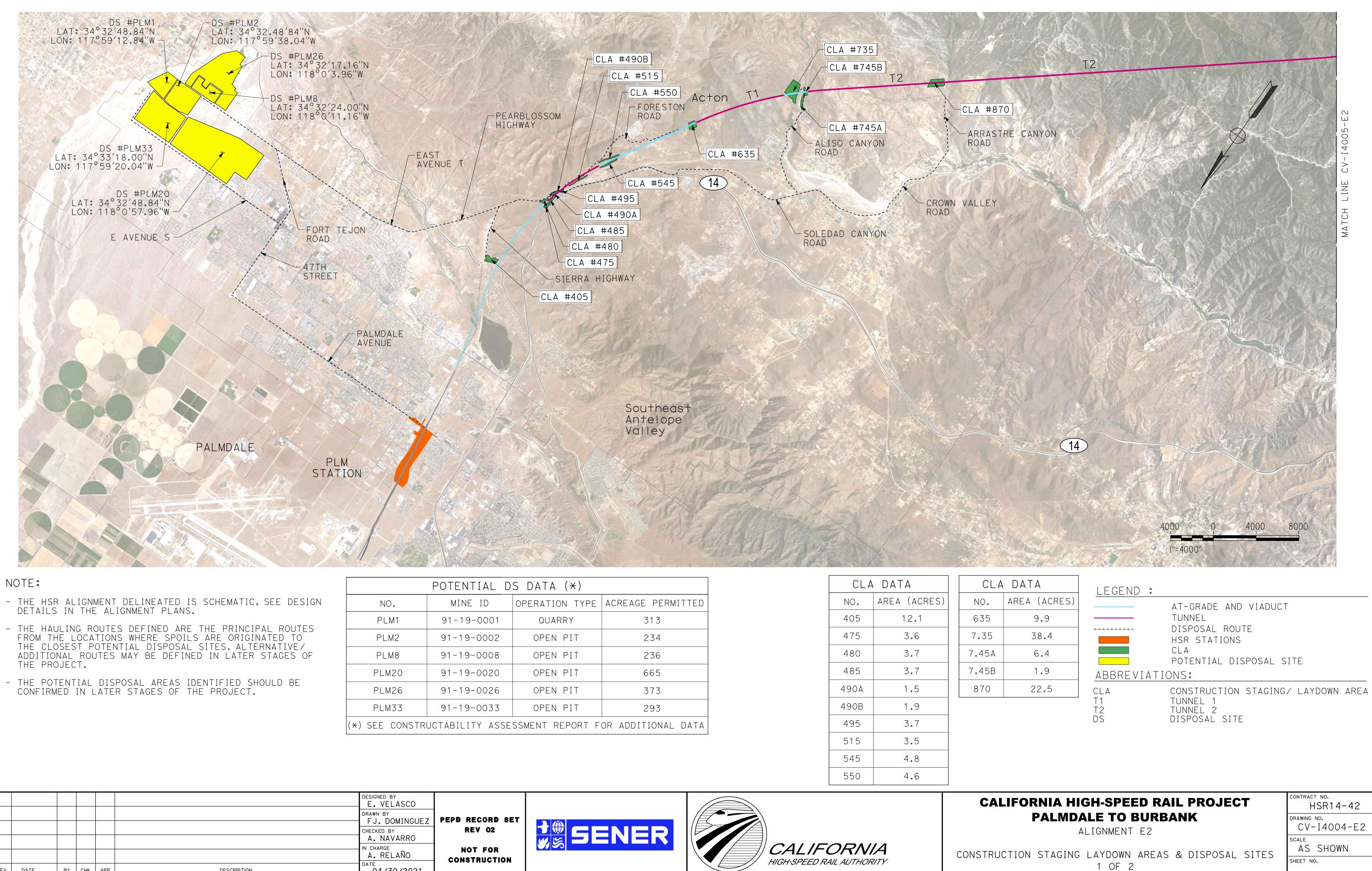


ALIGNMENT E2 CENTRAL AND BURBANK AREA CONSTRUCTION STAGING STA 1872+00 TO STA 1960+11.55

SCALE

SHEET NO.

AS SHOWN



# NOTE:

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- CONFIRMED IN LATER STAGES OF THE PROJECT.

POTENTIAL DS DATA ( <del>x</del> )							
NO.	MINE ID	OPERATION TYPE	ACREAGE PERMITTED				
PLM1	91-19-0001	QUARRY	313				
PLM2	91-19-0002	OPEN PIT	234				
PLM8	91-19-0008	OPEN PIT	236				
PLM20	91-19-0020	OPEN PIT	665				
PLM26	91-19-0026	OPEN PIT	373				
PLM33	91-19-0033	OPEN PIT	293				
(*) SEE CONSTR	UCTABILITY ASSE	SSMENT REPORT F	OR ADDITIONAL DATA				

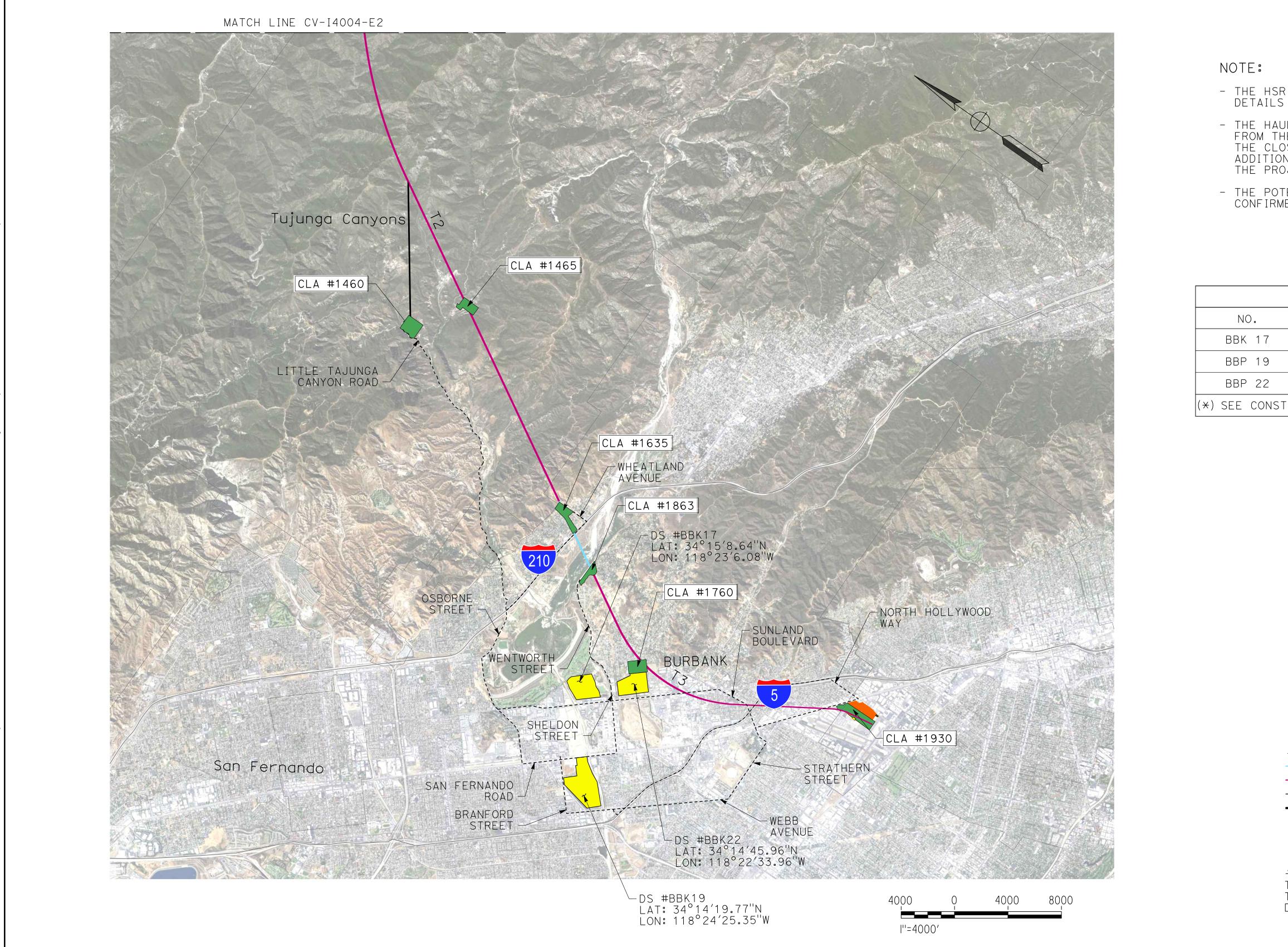
						DESIGNED BY	
						drawn by FJ. DOMINGUEZ	PEPD RECO
						CHECKED BY	REV C
						IN CHARGE A. RELAÑO	NOT F Construe
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 04/30/2021	

CLA	DATA
NO.	AREA (ACRES)
405	12.1
475	3.6
480	3.7
485	3.7
490A	1.5
490B	1.9
495	3.7
515	3.5
545	4.8
550	4.6

CLA	DA
NO.	ARE
635	
7.35	
7.45A	
7.45B	
870	







							DESIGNED BY	
							drawn by FJ. DOMINGUEZ	PEPD RECO
_							CHECKED BY A. NAVARRO	REV
)   							IN CHARGE A. RELAÑO	NOT F Constru
	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 04/30/2021	

0205240



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- THE POTENTIAL DISPOSAL AREAS IDENTIFIED SHOULD BE CONFIRMED IN LATER STAGES OF THE PROJECT.

POTENTIAL DS DATA (*)					
	MINE ID	OPERATION TYPE	ACREAGE PERMITTED		
	91-19-0017	OPEN PIT	156		
	91-19-0019	OPEN PIT	124		
	91-19-0022	OPEN PIT	124		
TRUCTABILITY ASSESSMENT REPORT FOR ADDITIONAL DATA					

CLA DATA				
NO.	AREA (ACRES)			
1460	35.9			
1465	23.2			
1635	29.0			
1863	17.0			
1760	29.9			
1930	43.0			

	AT-GRADE AND VIADUCT Tunnel
	DISPOSAL ROUTE
0	ADIT
	HSR STATIONS
	CLA
	POTENTIAL DISPOSAL SITE
ABBREVIATI	ONS:
T2 T3 DS	TUNNEL 2 TUNNEL 3 DISPOSAL SITE

## CALIFORNIA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK

ALIGNMENT E2

CONSTRUCTION STAGING LAYDOWN AREAS & DISPOSAL SITES 2 OF 2

CONTRACT	NO.
HSR	14-42

drawing no. CV-I4005-E2

scale AS SHOWN