

California High-Speed Rail Authority

Palmdale to Burbank Project Section

PEPD RECORD SET REV02

Railway Systems Plans

April 2021



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

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-B0001	GENERAL - INDEX OF DRAWINGS	
TP-B0002	GENERAL - ABBREVIATIONS	
TP-B0003	GENERAL - ABBREVIATIONS AND LEGEND	

**ALIGNMENT "REFINED SR14"
RAILWAY SYSTEMS AND FACILITIES**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-D0001-S14	TRACTION POWER FACILITIES - LOCATION LAYOUT	
TP-B6001-S14	RAILWAY SYSTEMS - KEY MAP 1 OF 2	
TP-B6002-S14	RAILWAY SYSTEMS - KEY MAP 2 OF 2	
TP-F4001-S14	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 17A - VINCENT SUBSTATION 1 OF 2	
TP-F4002-S14	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 17A - VINCENT SUBSTATION 2 OF 2	
TP-F4003-S14	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 18A - INTERSTATE 210 AREA	
TP-O4002-S14	TRACTION POWER FACILITIES - PARALLELING STATION 2	
TP-O4003-S14	TRACTION POWER FACILITIES - PARALLELING STATION 3	
TP-O4004-S14	TRACTION POWER FACILITIES - SWITCHING STATION 1	
TP-O4005-S14	TRACTION POWER FACILITIES - PARALLELING STATION 4	
TP-O4006-S14	TRACTION POWER FACILITIES - PARALLELING STATION 5	
TP-O4007-S14	TRACTION POWER FACILITIES - PARALLELING STATION 6	
TP-O4008-S14	TRACTION POWER FACILITIES - PARALLELING STATION 7	

**ALIGNMENT "E1"
RAILWAY SYSTEMS AND FACILITIES**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-D0001-E1	TRACTION POWER FACILITIES - LOCATION LAYOUT	
TP-B6001-E1	RAILWAY SYSTEMS - KEY MAP 1 OF 2	
TP-B6002-E1	RAILWAY SYSTEMS - KEY MAP 2 OF 2	
TP-F4001-E1	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 17B/17C - VINCENT SUBSTATION	
TP-F4002-E1	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 18B - LADWP VALLEY POWER GENERATING STATION	
TP-O4002-E1	TRACTION POWER FACILITIES - PARALLELING STATION 2	
TP-O4003-E1	TRACTION POWER FACILITIES - PARALLELING STATION 3	
TP-O4004-E1	TRACTION POWER FACILITIES - PARALLELING STATION 4	
TP-O4005-E1	TRACTION POWER FACILITIES - SWITCHING STATION 1	
TP-O4006-E1	TRACTION POWER FACILITIES - PARALLELING STATION 5	
TP-O4007-E1	TRACTION POWER FACILITIES - PARALLELING STATION 6	
TP-O4008-E1	TRACTION POWER FACILITIES - PARALLELING STATION 7	
TC-F4002-E1	TRAIN CONTROL SYSTEM - STANDALONE RADIO SITE 2	
TC-F4003-E1	TRAIN CONTROL SYSTEM - STANDALONE RADIO SITE 3	

**ALIGNMENT "E2"
RAILWAY SYSTEMS AND FACILITIES**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-D0001-E2	TRACTION POWER FACILITIES - LOCATION LAYOUT	
TP-B6001-E2	RAILWAY SYSTEMS - KEY MAP	
TP-F4002-E2	TRACTION POWER FACILITIES - TRACTION POWER SUBSTATION 18C - TUJUNGA WASH AREA	
TP-O4005-E2	TRACTION POWER FACILITIES - SWITCHING STATION 1	
TP-O4006-E2	TRACTION POWER FACILITIES - PARALLELING STATION 5	
TP-O4007-E2	TRACTION POWER FACILITIES - PARALLELING STATION 6	

**ALIGNMENT "REFINED SR14/E1/E2"
TRACTION POWER FACILITIES DETAIL**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-D5001	UNDERGROUND TRACTION POWER FACILITIES - DETAIL 1	
TP-D5002	UNDERGROUND TRACTION POWER FACILITIES - DETAIL 2	
TP-D5003	UNDERGROUND TRACTION POWER FACILITIES - DETAIL 3	

**ALIGNMENT "REFINED SR14/E1/E2"
TRAIN CONTROL SYSTEM**

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TC-E6002	ALIGNMENT "REFINED SR14" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - SITE D LOCATIONS	
TC-E6003	ALIGNMENT "E1" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - SITE D LOCATIONS	
TC-E6004	ALIGNMENT "E2" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - SITE D LOCATIONS	
TC-E6005	ALIGNMENT "REFINED SR14/E1/E2" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - BURBANK STATION	
TC-B6001-S14	ALIGNMENT "REFINED SR14" - TRAIN CONTROL SYSTEM - RAILWAY SYSTEMS - KEY MAP	
TC-F5001-S14	ALIGNMENT "REFINED SR14" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - STA 2233+00 TO STA 2245+00	
TC-B6001-E1	ALIGNMENT "E1" - TRAIN CONTROL SYSTEM - RAILWAY SYSTEMS - KEY MAP	
TC-F5001-E1	ALIGNMENT "E1" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - STA 2125+00 TO STA 2137+00	
TC-B6001-E2	ALIGNMENT "E2" - TRAIN CONTROL SYSTEM - RAILWAY SYSTEMS - KEY MAP	
TC-F5001-E2	ALIGNMENT "E2" - TRAIN CONTROL SYSTEM - INTERLOCKING SITES - STA 1923+00 TO STA 1935+00	

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
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IN CHARGE
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DATE
04/30/2021

**PEPD RECORD SET
REV 02**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"**

**GENERAL
INDEX OF DRAWINGS**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-B0001
SCALE
NO SCALE
SHEET NO.

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A

AB AGGREGATE BASE
ABBC ASBESTOS BONDED BITUMINOUS COATED
ABM AIR-BLOWN MORTAR
ABN ABANDON
ABUT ABUTMENT
AC ASPHALT CONCRETE
ACB ASPHALT CONCRETE BASE
ACP ASBESTOS CEMENT PIPE
ADL ADDED DEAD LOAD
ADJ ADJUST
AFES ALTERNATIVE FLARED END SECTION
AHD AHEAD
ALT ALTERNATE
AM TIME FROM MIDNIGHT TO NOON
AP ALTERNATIVE PIPE
APC ALTERNATIVE PIPE CULVERT
APPROX APPROXIMATE
APU ALTERNATIVE PIPE UNDERDRAIN
ARS ACCELERATION RESPONSE SPECTRUM
AR ACCESS RESTRICTION
AS AGGREGATE SUBBASE
ASRP ALUMINUM SPIRAL RIB PIPE
ASSY ASSEMBLY
ATPB ASPHALT TREATED PERMEABLE BASE
ATPM ASPHALT TREATED PERMEABLE MATERIAL
AVE AVENUE
AVG AVERAGE
@ AT

B

BAGR BRIDGE APPROACH GUARD RAILING
BB BEGINNING OF BRIDGE
BC BEGIN HORIZONTAL CURVE
BCC BALANCED CANTILEVER CONSTRUCTION
BCR BEGIN CURB RETURN
BEG BEGIN
BIT CTD BITUMINOUS COATED
BK BACK
BKF BACKFILL
BLDG BUILDING
BLM BRIDGE-LOG MILE
BLVD BOULEVARD
BM BENCH MARK
BND BOUND
BOT BOTTOM
BR BRIDGE
BRG BEARING
BTU BRITISH THERMAL UNIT
BVC BEGIN VERTICAL CURVE
BW BARBED WIRE

C

CAA CABLE ANCHOR ASSEMBLY
CAP CORRUGATED ALUMINUM PIPE
CAPA CORRUGATED ALUMINUM PIPE ARCH
CAS CONSTRUCTION AREA SIGN
CB CONCRETE BARRIER
CBW CONCRETE BLOCK WALL
C-C CENTER TO CENTER

C CONTINUED

CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY
CHST CALIFORNIA HIGH SPEED TRAIN
CHSR CALIFORNIA HIGH SPEED RAIL
CG CENTER OF GRAVITY
CHNL CHANNEL
CI CAST IRON
CIDH CAST-IN-DRILLED-HOLE
CIP,C-I-P CAST-IN-PLACE, CAST IRON PIPE
CIPCP CAST IN PLACE CONCRETE PIPE
CISS CAST-IN-STEEL-SHELL
CJP COMPLETE JOINT PENETRATION
CL CENTERLINE, CLASS
CL CENTERLINE
CL2 CLASS 2
CL-6 CHAIN LINK FENCE (6 FT)
CLR CLEAR, CLEARANCE
CLR CLEAR, CLEARANCE
CM CORRUGATED METAL
CO COUNTY
COL COLUMN
CONC CONCRETE
COND CONDUIT
CONN CONNECTOR
CONST CONSTRUCT, CONSTRUCTION
CONT CONTINUOUS
COORD COORDINATE
CP CANDLEPOWER
CR CREEK
CRCP CONTINUOUS REINFORCED CONCRETE PAVT
CRSP CONCRETED ROCK SLOPE PROTECTION
CS CURVE TO SPIRAL
CSP CORRUGATED STEEL PIPE
CSPA CORRUGATED STEEL PIPE ARCH
CTB CEMENT TREATED BASE
CTPB CEMENT TREATED PERMEABLE BASE
CTPM CEMENT TREATED PERMEABLE MATERIAL
CTRS CENTERS
CULV CULVERT
CVFPB CENTRAL VALLEY FLOOD PROTECTION BOARD

D

D DEPTH
DD DOWNDRAIN, DIRECTIVE DRILLING
DBL DOUBLE
DEG DEGREE
DEL DELINEATOR
DET DETAIL, DETOUR
DF DOUGLAS FIR
DI DRAINAGE INLET, DROP INLET
DIA DIAMETER
DIAPH DIAPHRAGM
DIST DISTANCE, DISTRICT
DMBB DOUBLE METAL BEAM BARRIER
DR DRIVE
DTBB DOUBLE THRIE BEAM BARRIER
DWY DRIVEWAY

E

E EAST, EASTING
EA ACTUAL SUPERELEVATION
EU UNBALANCED SUPERELEVATION

E CONTINUED

EASE EASEMENT
EB END OF BRIDGE, EASTBOUND
EC END HORIZONTAL CURVE
ECR END CURB RETURN
ED EDGE DRAIN
EDC EDGE DRAIN CLEANOUT
EDO EDGE DRAIN OUTLET
EDV EDGE DRAIN VENT
ELEC ELECTROLIER
ELECT ELECTRIC
ELEV ELEVATION
ELLN EXTRALEGAL LEAD NETWORK
EMB EMBANKMENT
ENGR ENGINEER
EOD EDGE OF DECK
EP EDGE OF PAVEMENT
EO EQUATION, EQUAL
ES EDGE OF SHOULDER
ETW EDGE OF TRAVELED WAY
EVC END VERTICAL CURVE
EW ENDWALL
EXC EXCAVATION
EXIST, EX. EXISTING
EXP EXPANSION
EXP JT EXPANSION JOINT
EXT EXTERIOR
EXWY EXPRESSWAY

F

F & C FRAME AND COVER
F & G FRAME AND GRATE
FB FLOOR BEAM
F-B FRESNO TO BAKERSFIELD
FDN FOUNDATION
FEBT FACING EASTBOUND TRAFFIC
FES FLARED END SECTION
FF FILTER FABRIC
FG FINISHED GRADE
FH FIRE HYDRANT
FIG FIGURE
FL FLOW LINE
FNBT FACING NORTHBOUND TRAFFIC
FOC FACE OF CONCRETE
FPLM FULL SPAN PRECAST LAUNCHING METHOD
FR RD FRONTAGE ROAD
FS FAR SIDE, FINISHED SURFACE
FSBT FACING SOUTHBOUND TRAFFIC
FT FOOT, FEET
FTG FOOTING
FUT FUTURE
FWBT FACING WESTBOUND TRAFFIC
FWY FREEWAY

G

G ACCELERATION DUE TO GRAVITY
GA GAGE
GALV GALVANIZED
GP GRADING PLANE
GR GUARD RAILING
GSP GALVANIZED STEEL PIPE
GTR GUTTER

H

H HEIGHT
HD HORIZONTAL DRAIN
HDWL HEADWALL
HEX HD HEXAGONAL HEAD
HMA HOT MIXED ASPHALT
HORIZ HORIZONTAL
HP HINGE POINT, HORSEPOWER
HPS HIGH PERFORMANCE STEEL
HR HOUR
HS HIGH STRENGTH
HSR HIGH SPEED RAIL
HST HIGH SPEED TRAIN
HW HEADWALL, HIGH WATER
HWM HIGH WATER MARK
HWY HIGHWAY

I

IB IMPORTED BORROW
ID INSIDE DIAMETER
IF INSIDE FACE
IN INCH, INCHES
INT INTERIOR
INV INVERT
IRR IRRIGATION

J

JCT JUNCTION
JP JOINT POLE
JPCP JOINTED PLAIN CONCRETE PAVEMENT
JS JUNCTION STRUCTURE
JT JOINT

K

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

L LENGTH
LAT LATITUDE
LC LENGTH OF CURVE
LMF LIGHT MAINTENANCE FACILITY
LN LANE
LOC LOCATION
LOL LAYOUT LINE
LONG LONGITUDE
LONGIT LONGITUDINAL
LS LENGTH OF SPIRAL
LT LEFT

M

MAINT MAINTENANCE
MAX MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MED MEDIAN
M-F MERCED TO FRESNO
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
MISC I & S MISCELLANEOUS IRON AND STEEL
MKR MARKER
M/L MAIN LINE (RAILWAY)

M CONTINUED

MOD MODIFIED, MODIFY
MON MONUMENT
MP METAL PLATE
MPGR METAL PLATE GUARD RAILING
MPH MILES PER HOUR
MR MOVEMENT RATING
MSE MECHANICALLY STABILIZED EARTH
MSS MOVING SCAFFOLDING SYSTEM
MT MAIN TRACK
MTL MATERIAL

N

N NORTH, NORTHING
N/A NOT APPLICABLE
NB NORTHBOUND
NO. NUMBER (MUST HAVE PERIOD)
NOS. NUMBERS (MUST HAVE PERIOD)
NPS NOMINAL PIPE SIZE
NS NEAR SIDE
NTS NOT TO SCALE

O

OBLR OBLITERATE
OC OVERCROSSING
OCS OVERHEAD CONTACT SYSTEM
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OG ORIGINAL GROUND
OGAC OPEN GRADED ASPHALT CONCRETE
OH OVERHEAD
O-O OUT TO OUT
OPP OPPOSITE

P

P PAGE
PAP PERFORATED ALUMINUM PIPE
PB PULL BOX
PC POINT OF CURVATURE, PRECAST
PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC POINT OF COMPOUND VERTICAL CURVE
PED PEDESTRIAN
PED OC PEDESTRIAN OVERCROSSING
PED UC PEDESTRIAN UNDERCROSSING
PERM MTL PERMEABLE MATERIAL
PG PROFILE GRADE
PI POINT OF INTERSECTION
PJP PARTIAL JOINT PENETRATION
P,PL PLATE
P/L PROPERTY LINE
PM POST MILE, TIME FROM NOON TO MIDNIGHT
PN PAVING NOTCH
POB POINT OF BEGINNING
POC POINT OF HORIZONTAL CURVE
POE POINT OF ENDING
POT POINT OF TANGENT
POVC POINT OF VERTICAL CURVE
PP PIPE PILE, PLASTIC PIPE, POWER POLE
PPL PREFORMED PERMEABLE LINER
PPP PERFORATED PLASTIC PIPE
PRC POINT OF REVERSE CURVE

DESIGNED BY
R. RODRIGUEZ
 DRAWN BY
F.J. DOMINGUEZ
 CHECKED BY
J. LEMA
 IN CHARGE
A. RELANO
 DATE
04/30/2021

PEPD RECORD SET
REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "REFINED SR14/E1/E2"
 GENERAL ABBREVIATIONS

CONTRACT NO.
HSR14-42
 DRAWING NO.
TP-B0002
 SCALE
NO SCALE
 SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

LEGEND

RAILWAY SYSTEMS FACILITY SPACING (MILES)	5.0
AT- GRADE / ELEVATED	—————
UNDERGROUND	=====

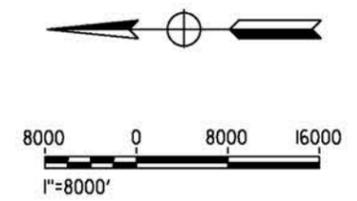
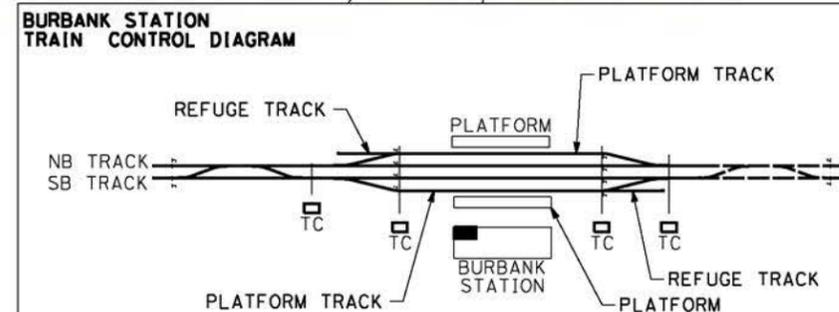
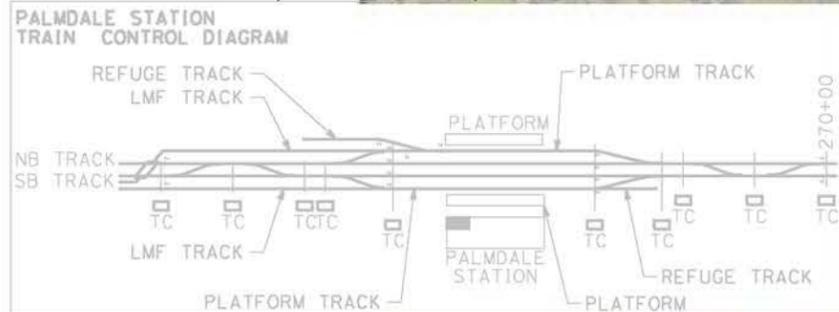
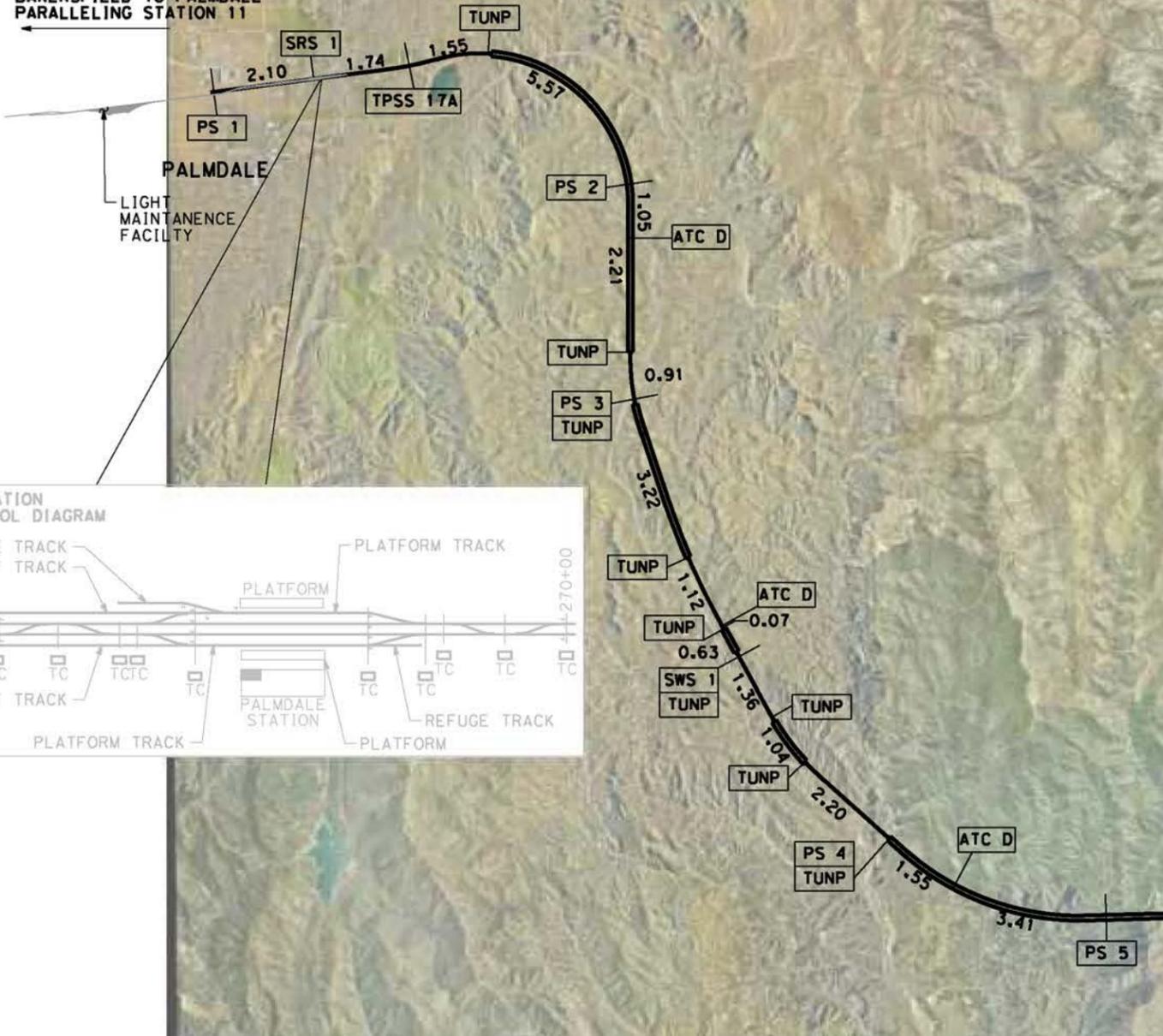
ABBREVIATIONS:

TPSS:	TRACTION POWER SUBSTATION
PS:	PARALLELING STATION
SWS:	SWITCHING STATION
TUNP:	TUNNEL PORTAL FACILITIES
SRS:	STANDALONE RADIO SITE
ATC D:	TRAIN CONTROL FACILITY

NOTE:

1. SITE STATIONING GIVEN IS APPROXIMATE AND WILL BE FINALIZED IN FUTURE DESIGN PHASE.
2. IN UNDERGROUND SECTIONS, RF COMMUNICATION WILL BE USING DIRECTIONAL ANTENNAS OR RADIANT CABLES.
3. TRACTION POWER FACILITIES HAVE RADIO ANTENNAS.
4. ALL TUNNEL PORTALS (TUNP) REQUIRE SPACE FOR RADIO MASTS AS WELL AS ANTENNAS, PLUS AN ASSOCIATED CABIN TO HOUSE RADIO EQUIPMENT. ATC EQUIPMENT CABINS WILL BE LOCATED AT THESE LOCATIONS TOO.
5. RADIO EQUIPMENT WITHIN TUNNELS WILL BE INSTALLED IN CROSS PASSAGES EQUIPMENT ROOMS AND AT PARALLELING STATIONS.
6. SYSTEMS FACILITIES IN PALMDALE SUBSECTION ARE INCLUDED FOR REFERENCE ONLY, SINCE THEY ARE PART OF THE PALMDALE SUBSECTION RECORD SET INCLUDED IN THE BAKERSFIELD - PALMDALE ENVIRONMENTAL DOCUMENT.

1.87 MILES TO BAKERSFIELD TO PALMDALE PARALLELING STATION 11



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REV	DATE	BY	CHK	APP	DESCRIPTION

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**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



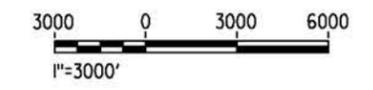
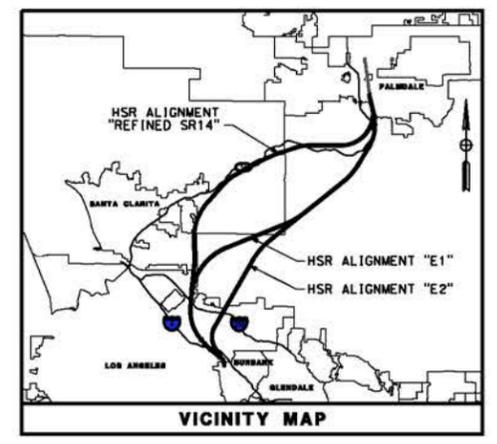
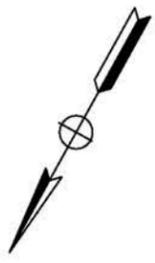
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"**
TRACTION POWER FACILITIES
LOCATION LAYOUT

CONTRACT NO. HSR14-42
DRAWING NO. TP-D0001-S14
SCALE AS SHOWN
SHEET NO.

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MATCH LINE SEE TP-B6002-S14

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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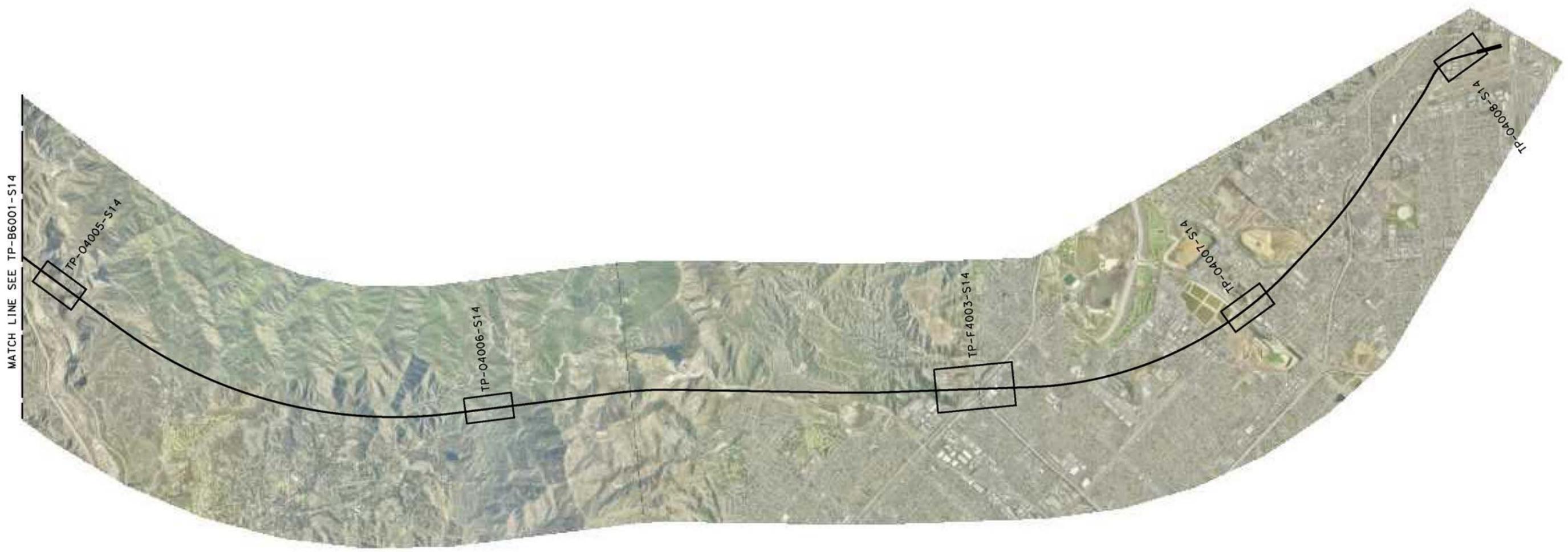
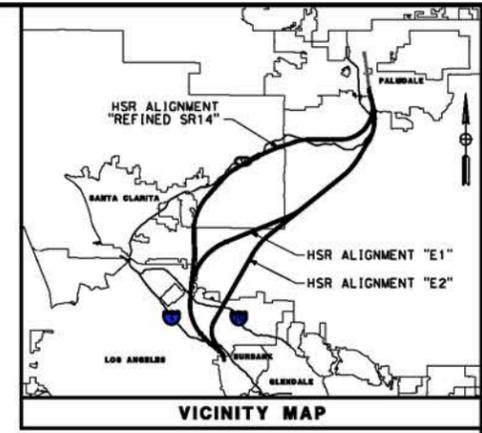


CALIFORNIA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK ALIGNMENT "REFINED SR14" RAILWAY SYSTEMS KEY MAP 1 OF 2	CONTRACT NO. HSR14-42
	DRAWING NO. TP-B6001-S14
	SCALE AS SHOWN
	SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
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04/30/2021

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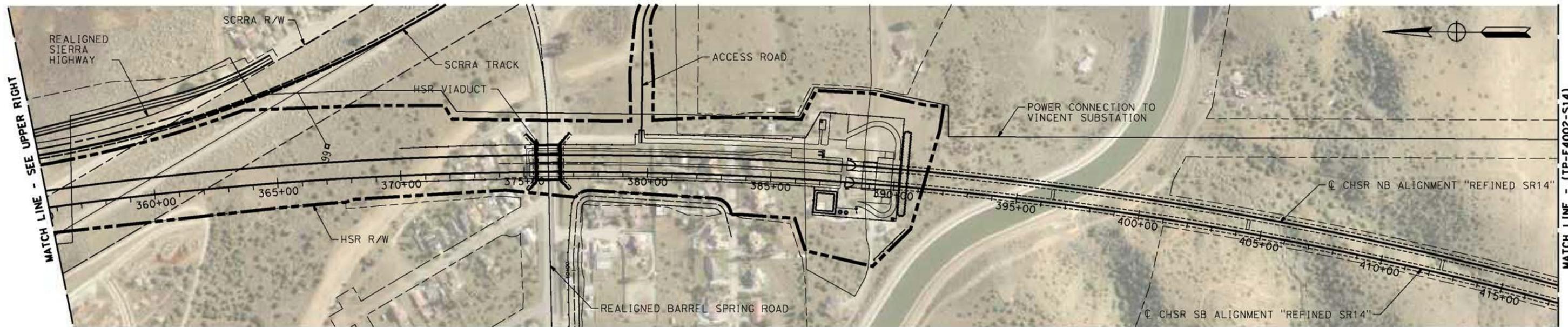
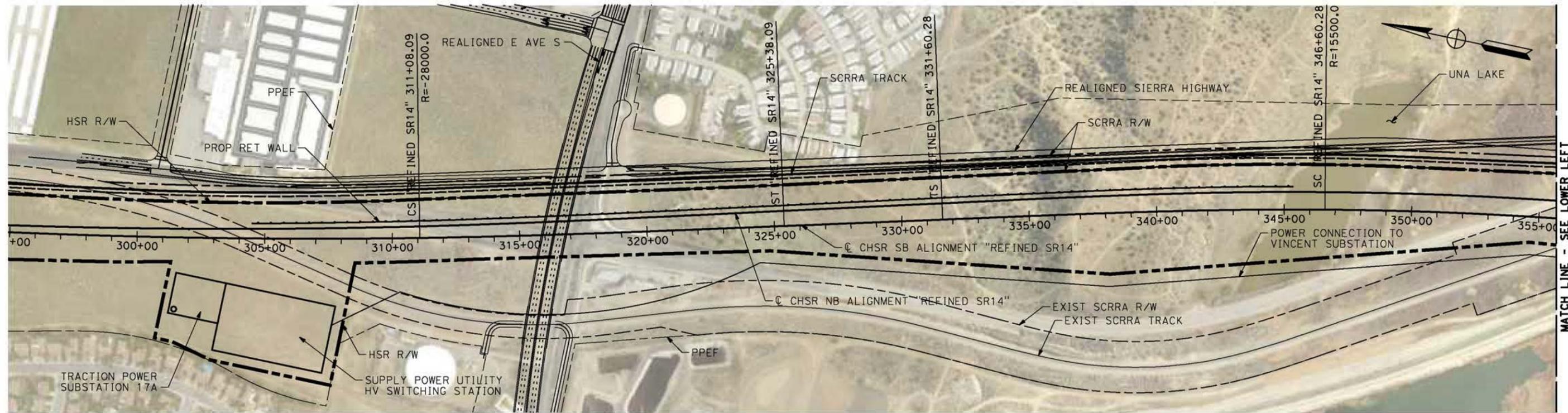
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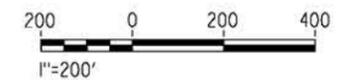
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"

RAILWAY SYSTEMS
KEY MAP 2 OF 2

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-B6002-S14
SCALE
AS SHOWN
SHEET NO.



TRACTION POWER SUBSTATION 17A



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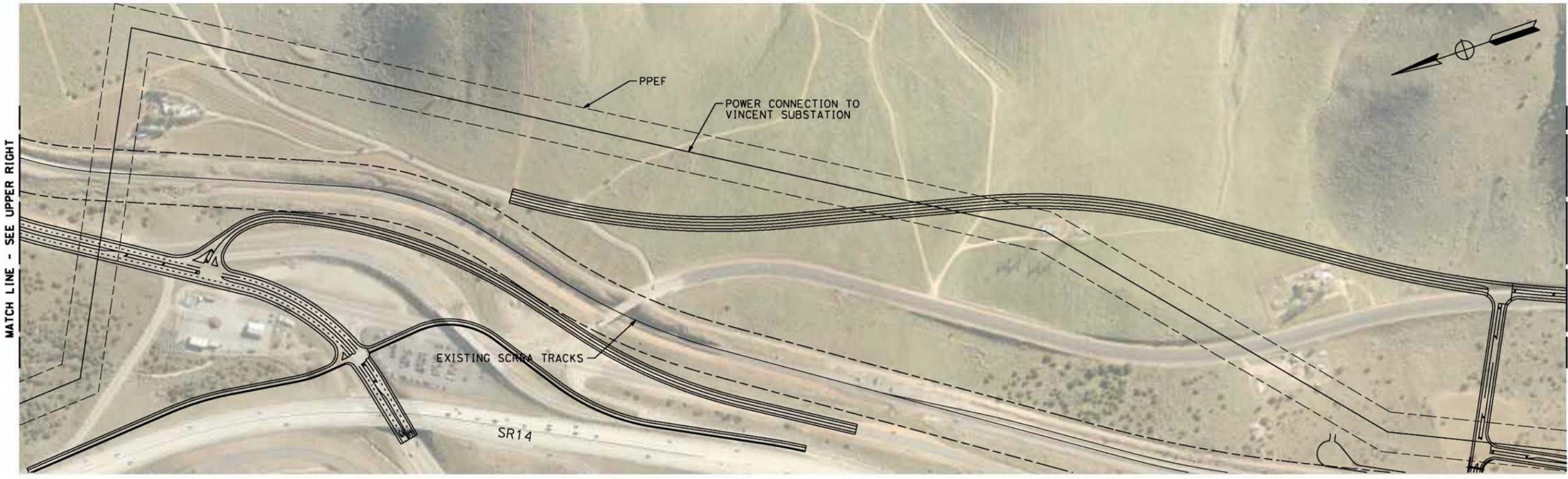
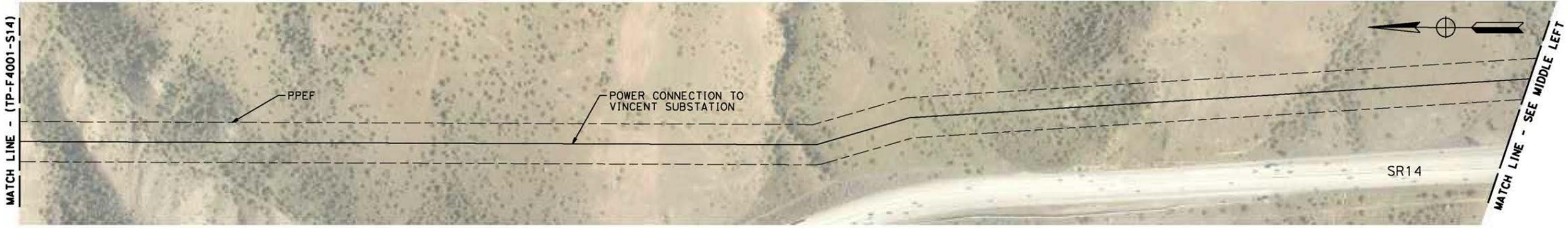
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 17A
VINCENT SUBSTATION 1 OF 2

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-F4001-S14
SCALE
AS SHOWN
SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

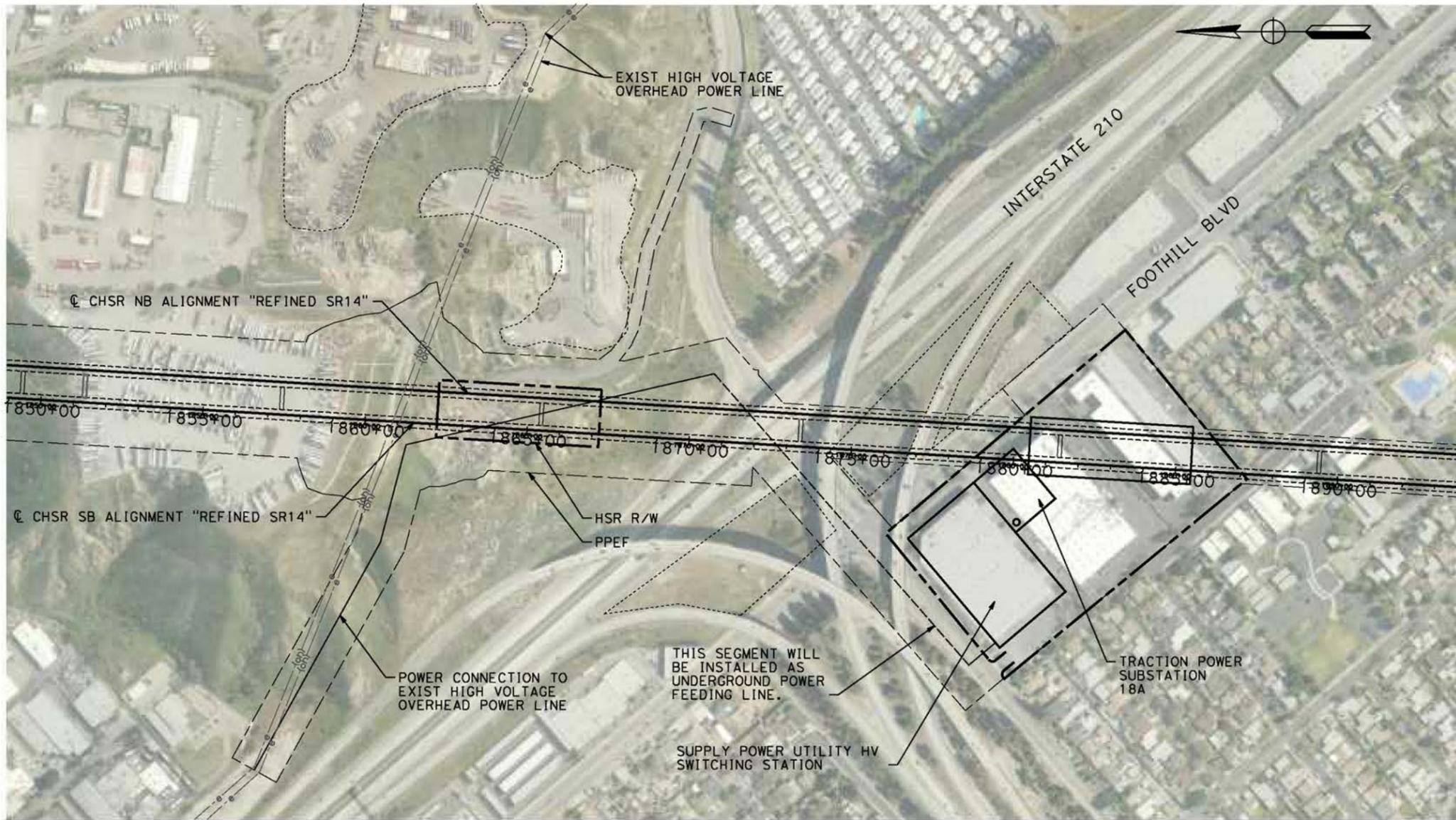
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 17A
VINCENT SUBSTATION 2 OF 2

CONTRACT NO.
HSR14-42
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AS SHOWN
SHEET NO.



TRACTION POWER SUBSTATION 18A



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5/26/2021 10:49:22 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J.LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 18A
INTERSTATE 210 AREA

CONTRACT NO.
HSR14-42

DRAWING NO.
TP-F4003-S14

SCALE
AS SHOWN

SHEET NO.

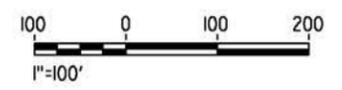
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5/26/2021 10:50:31 AM

0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



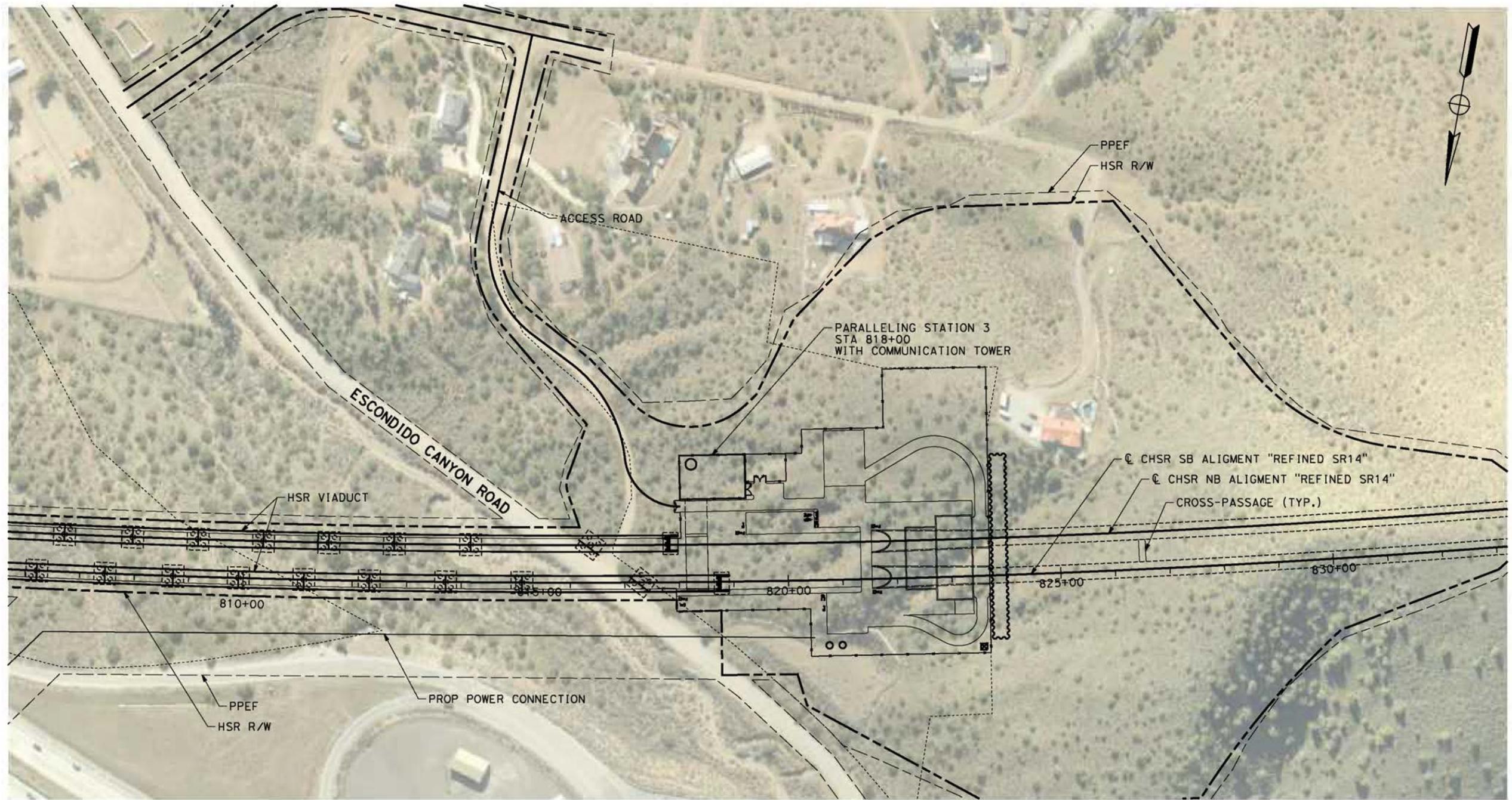
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PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 2**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04002-S14
SCALE
AS SHOWN
SHEET NO.

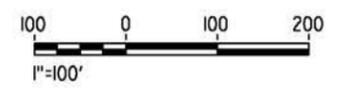
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0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



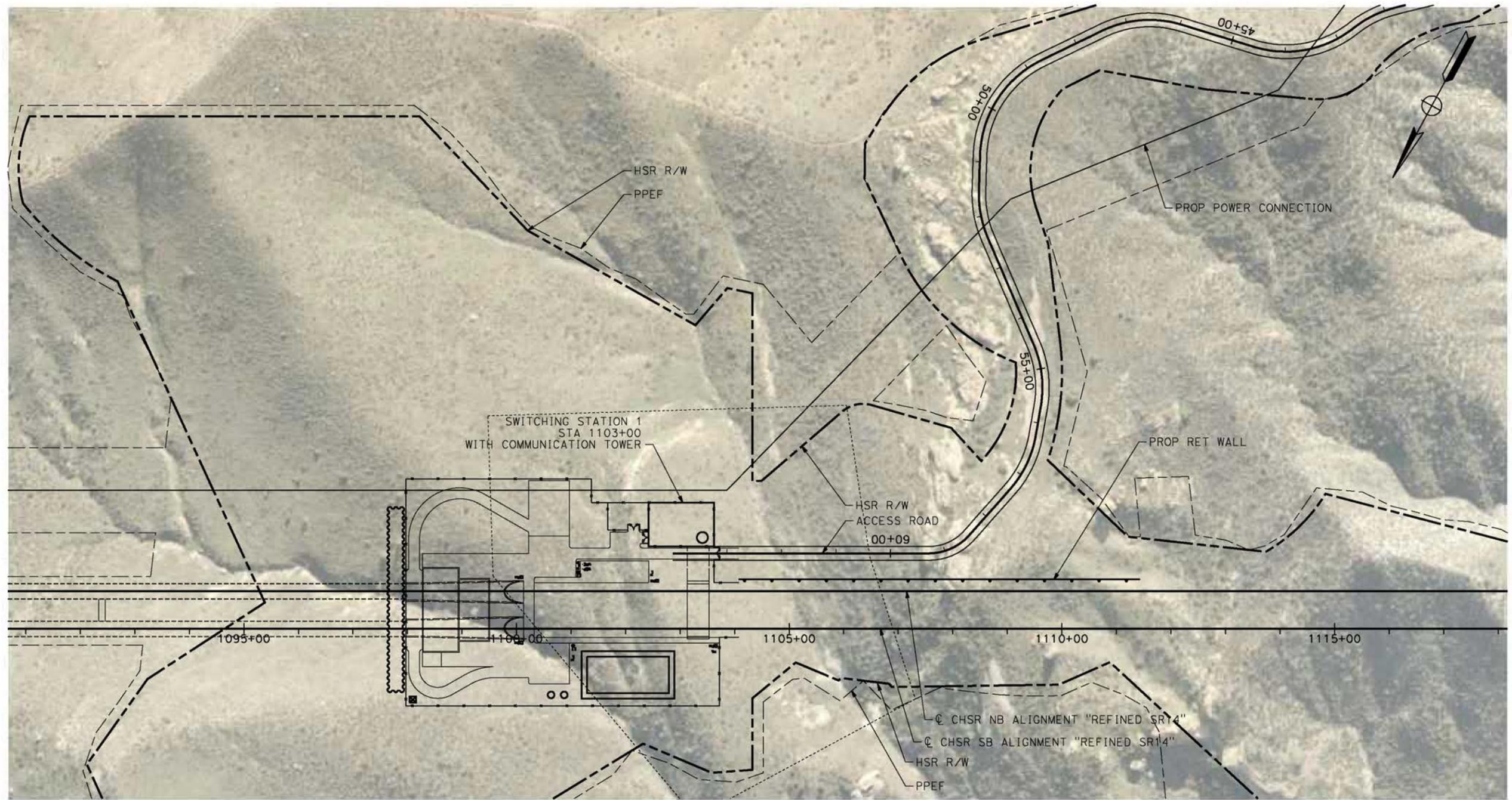
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PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 3

CONTRACT NO.
HSR14-42
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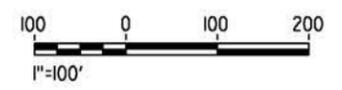
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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

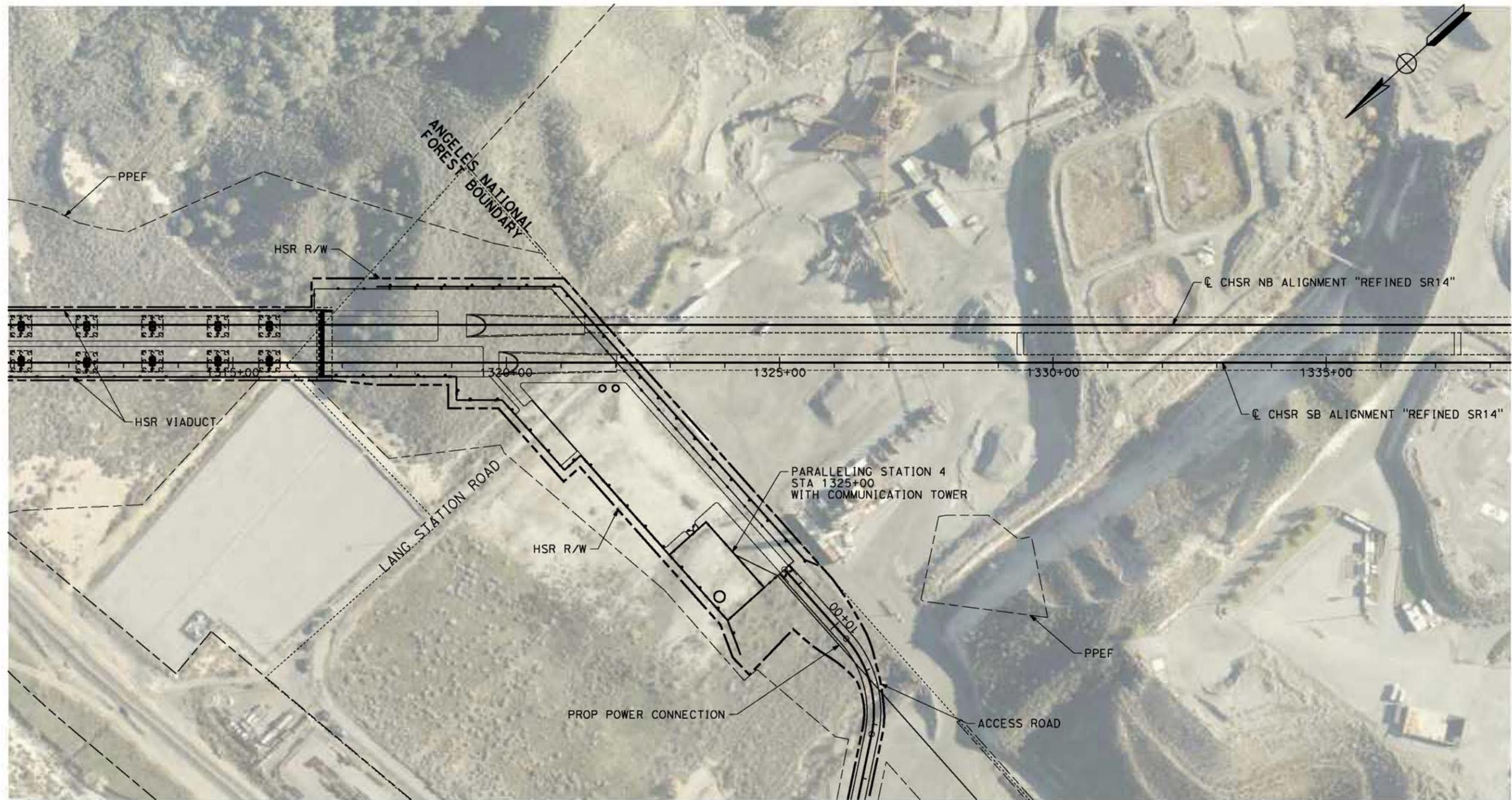
PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
SWITCHING STATION 1

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04004-S14
SCALE
AS SHOWN
SHEET NO.



PLAN



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5/26/2021 10:52:04 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

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F.J. DOMINGUEZ

CHECKED BY
J.LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 4

CONTRACT NO.
HSR14-42

DRAWING NO.
TP-04005-S14

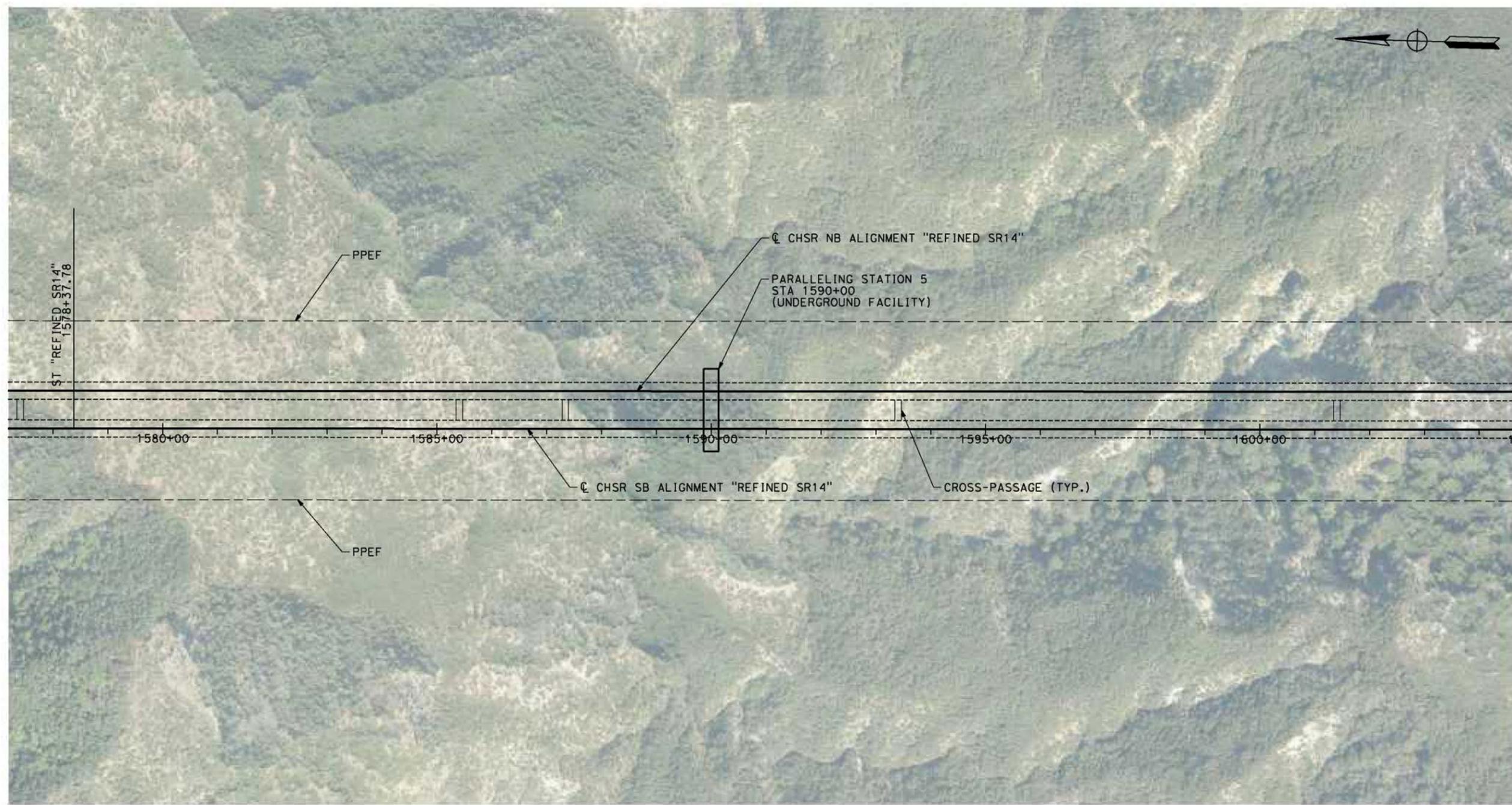
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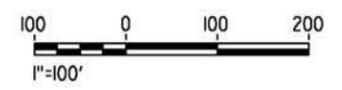
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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

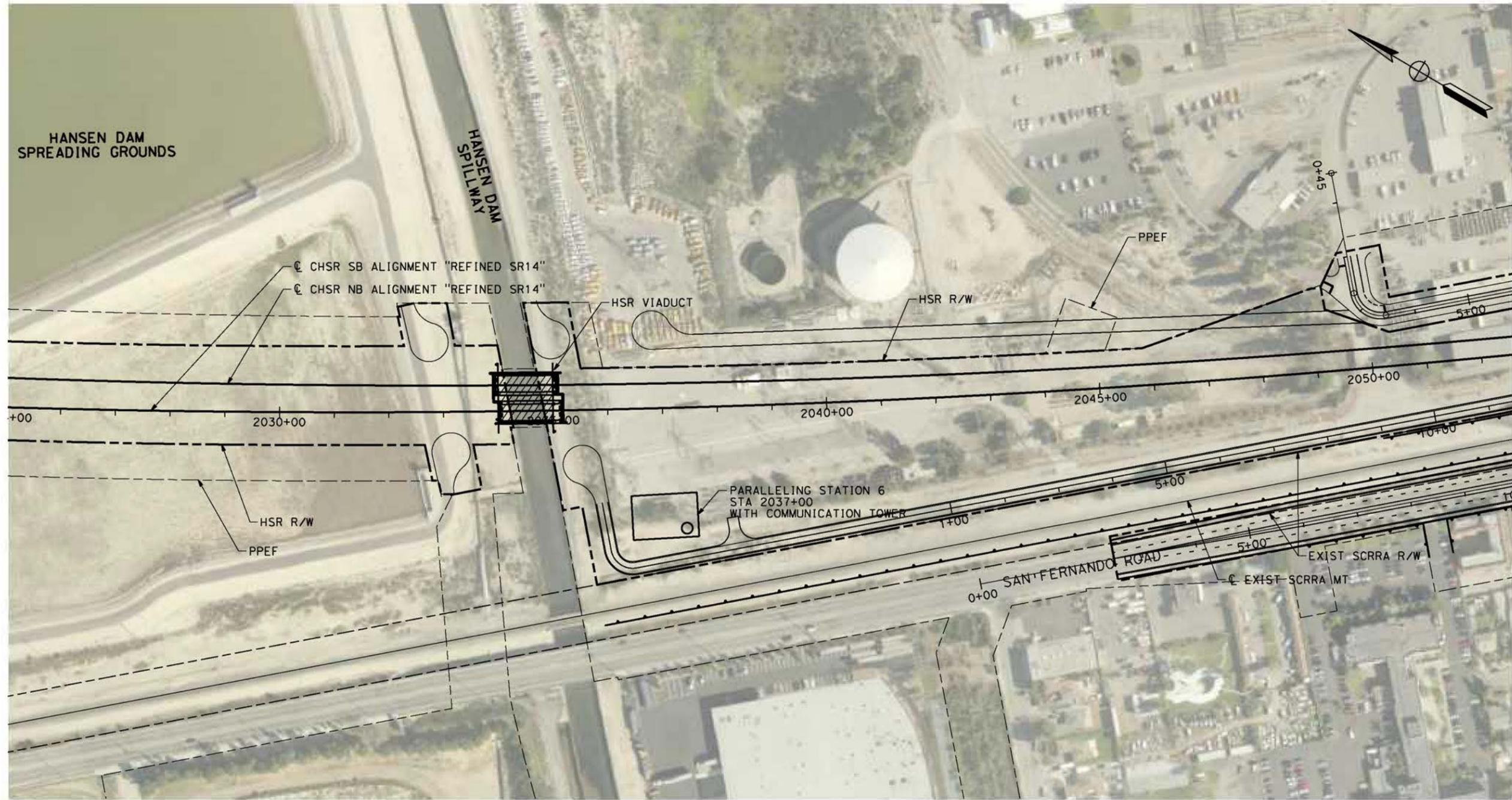
DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**

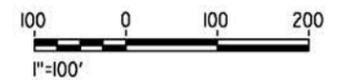


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 5

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04006-S14
SCALE
AS SHOWN
SHEET NO.



PLAN



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0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 6

CONTRACT NO.
HSR14-42

DRAWING NO.
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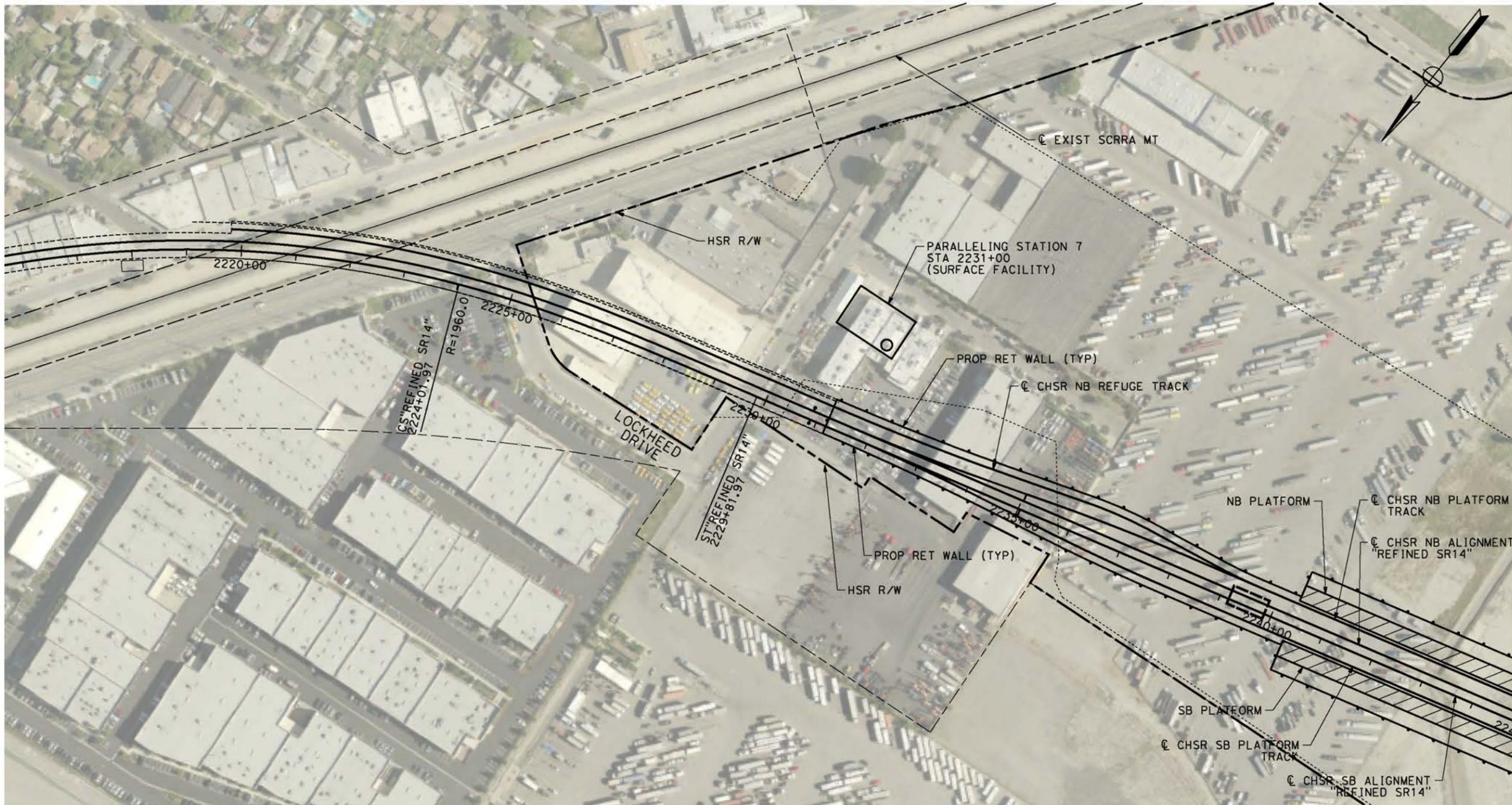
SCALE
AS SHOWN

SHEET NO.

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0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A .RELAÑO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
PARALLELING STATION 7

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04008-S14
SCALE
AS SHOWN
SHEET NO.

LEGEND

RAILWAY SYSTEMS FACILITY SPACING (MILES)	5.0
AT-GRADE / ELEVATED	—————
UNDERGROUND	=====

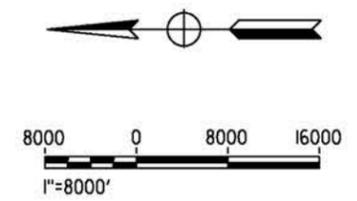
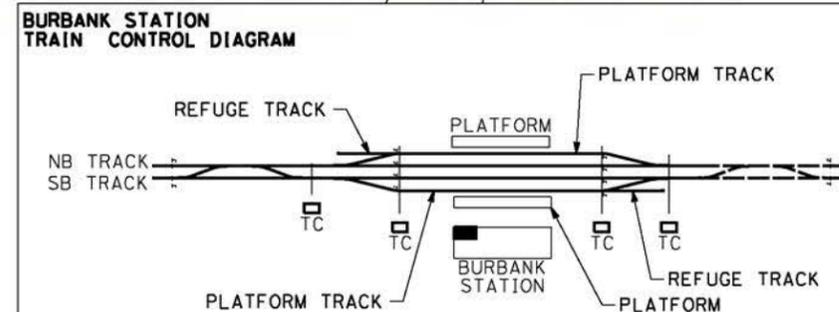
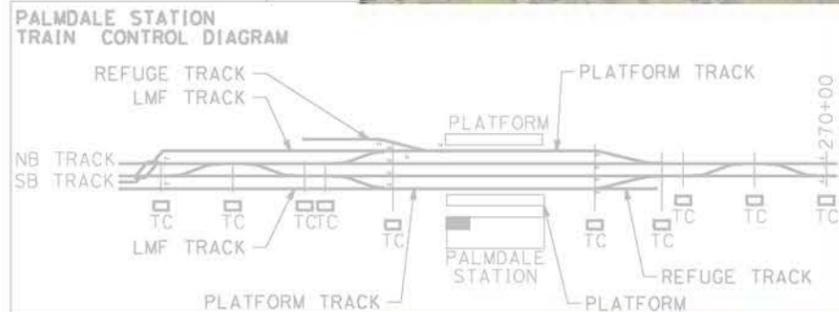
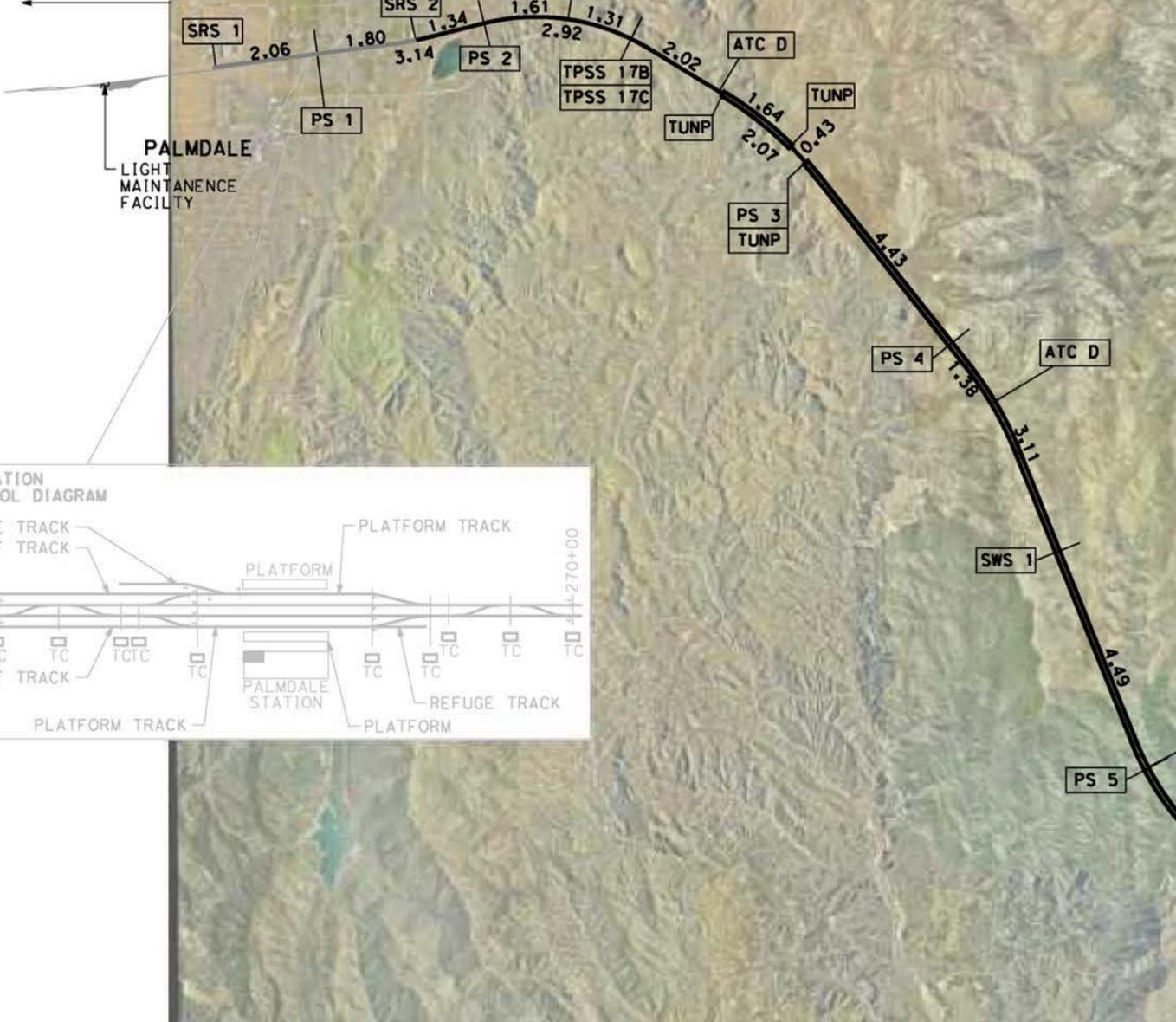
ABBREVIATIONS:

TPSS:	TRACTION POWER SUBSTATION
PS:	PARALLELING STATION
SWS:	SWITCHING STATION
TUNP:	TUNNEL PORTAL FACILITIES
SRS:	STANDALONE RADIO SITE
ATC D:	TRAIN CONTROL FACILITY

NOTE:

1. SITE STATIONING GIVEN IS APPROXIMATE AND WILL BE FINALIZED IN FUTURE DESIGN PHASE.
2. IN UNDERGROUND SECTIONS, RF COMMUNICATION WILL BE USING DIRECTIONAL ANTENNAS OR RADIANT CABLES.
3. TRACTION POWER FACILITIES HAVE RADIO ANTENNAS.
4. ALL TUNNEL PORTALS (TUNP) REQUIRE SPACE FOR RADIO MASTS AS WELL AS ANTENNAS, PLUS AN ASSOCIATED CABIN TO HOUSE RADIO EQUIPMENT. ATC EQUIPMENT CABINS WILL BE LOCATED AT THESE LOCATIONS TOO.
5. RADIO EQUIPMENT WITHIN TUNNELS WILL BE INSTALLED IN CROSS PASSAGES EQUIPMENT ROOMS AND AT PARALLELING STATIONS.
6. SYSTEMS FACILITIES IN PALMDALE SUBSECTION ARE INCLUDED FOR REFERENCE ONLY. SINCE THEY ARE PART OF THE PALMDALE SUBSECTION RECORD SET INCLUDED IN THE BAKERSFIELD - PALMDALE ENVIRONMENTAL DOCUMENT.

1.87 MILES TO BAKERSFIELD TO PALMDALE PARALLELING STATION 11



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5/26/2021 4:03:26 PM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**

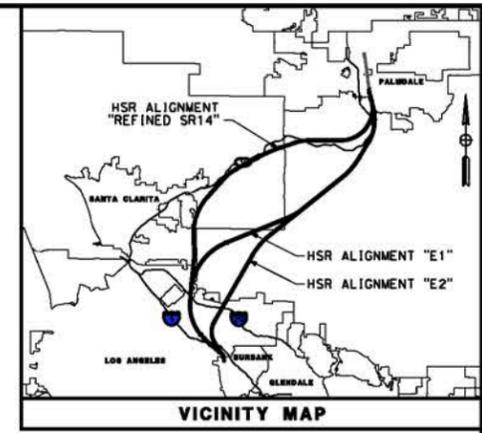
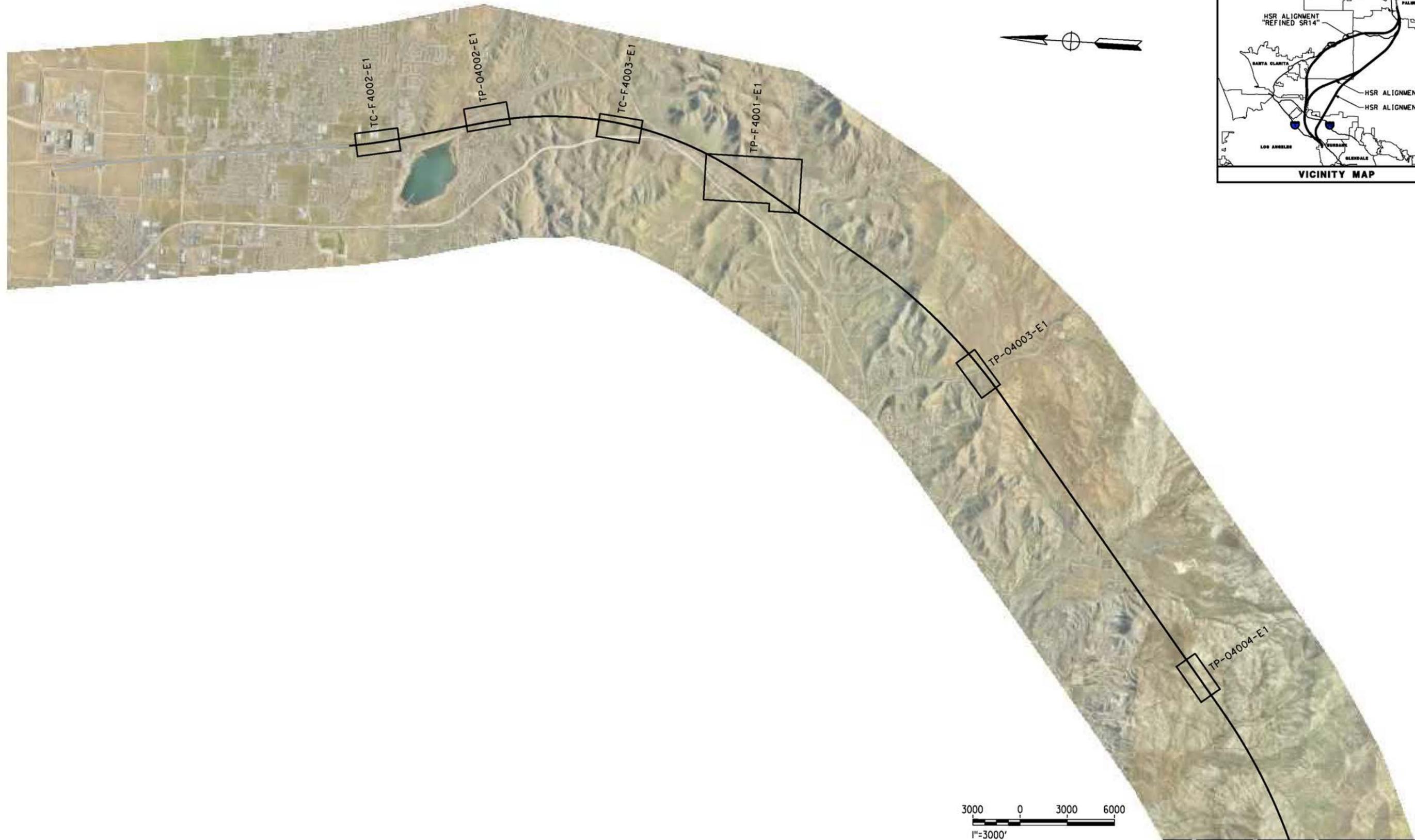


CALIFORNIA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK ALIGNMENT "E1" TRACTION POWER FACILITIES LOCATION LAYOUT	CONTRACT NO. HSR14-42
	DRAWING NO. TP-D0001-E1
	SCALE AS SHOWN
	SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION

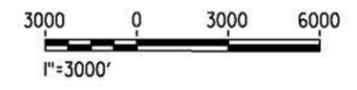
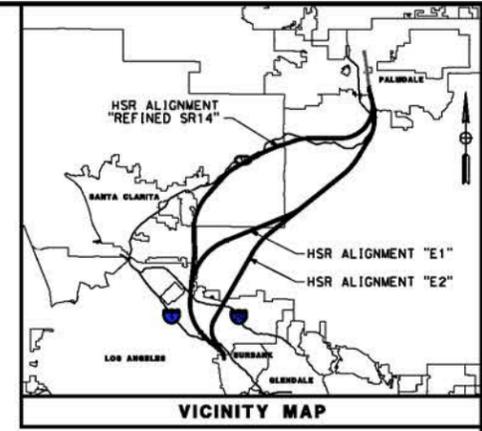


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"

RAILWAY SYSTEMS
KEY MAP 1 OF 2

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-B6001-E1
SCALE
AS SHOWN
SHEET NO.

MATCH LINE SEE TP-B6001-E1



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5/26/2021 4:03:52 PM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELAÑO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"

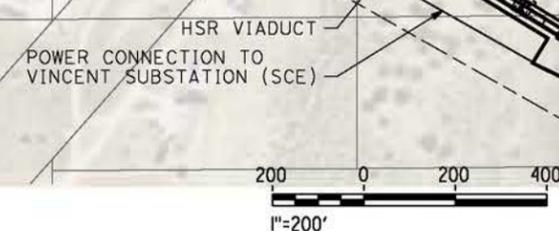
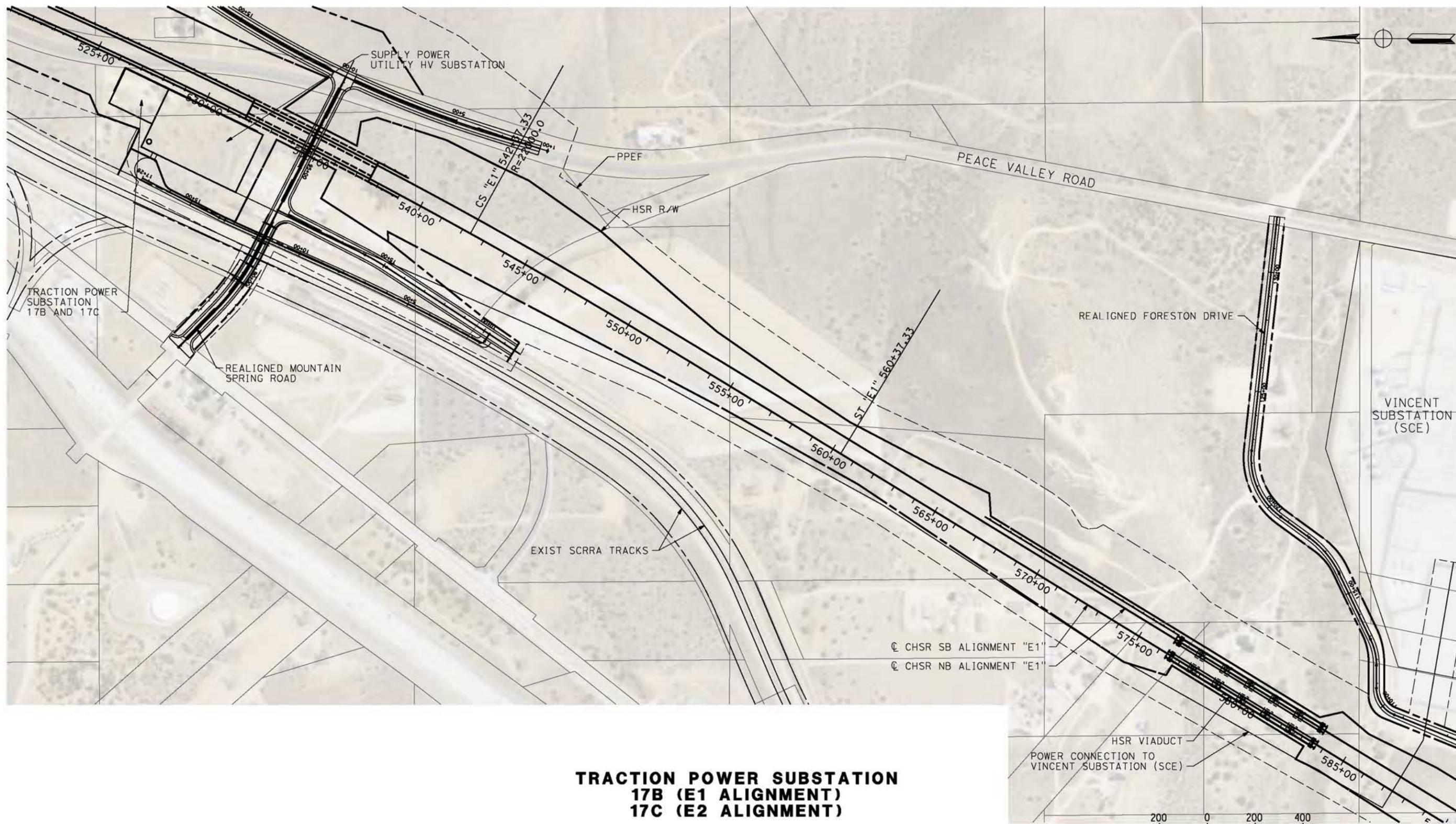
RAILWAY SYSTEMS
KEY MAP 2 OF 2

CONTRACT NO.
HSR14-42

DRAWING NO.
TP-B6002-E1

SCALE
AS SHOWN

SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

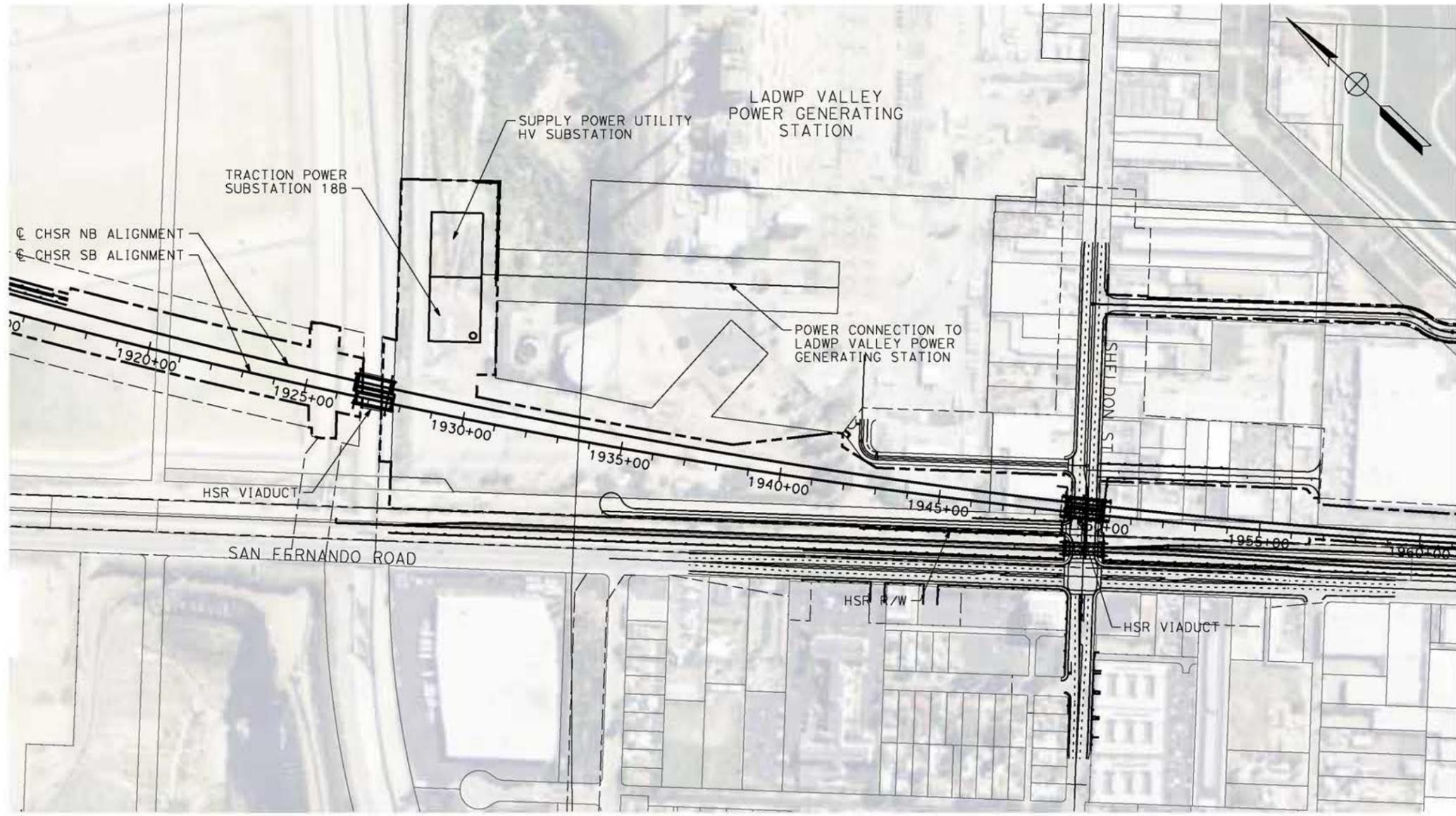
DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELAÑO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**

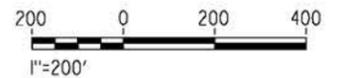


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 17B/17C
VINCENT SUBSTATION**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-F4001-E1
SCALE
AS SHOWN
SHEET NO.



TRACTION POWER SUBSTATION 18B



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J.LEMA
IN CHARGE
A. RELAÑO
DATE
04/30/2021

**PEPD RECORD SET
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CONSTRUCTION**



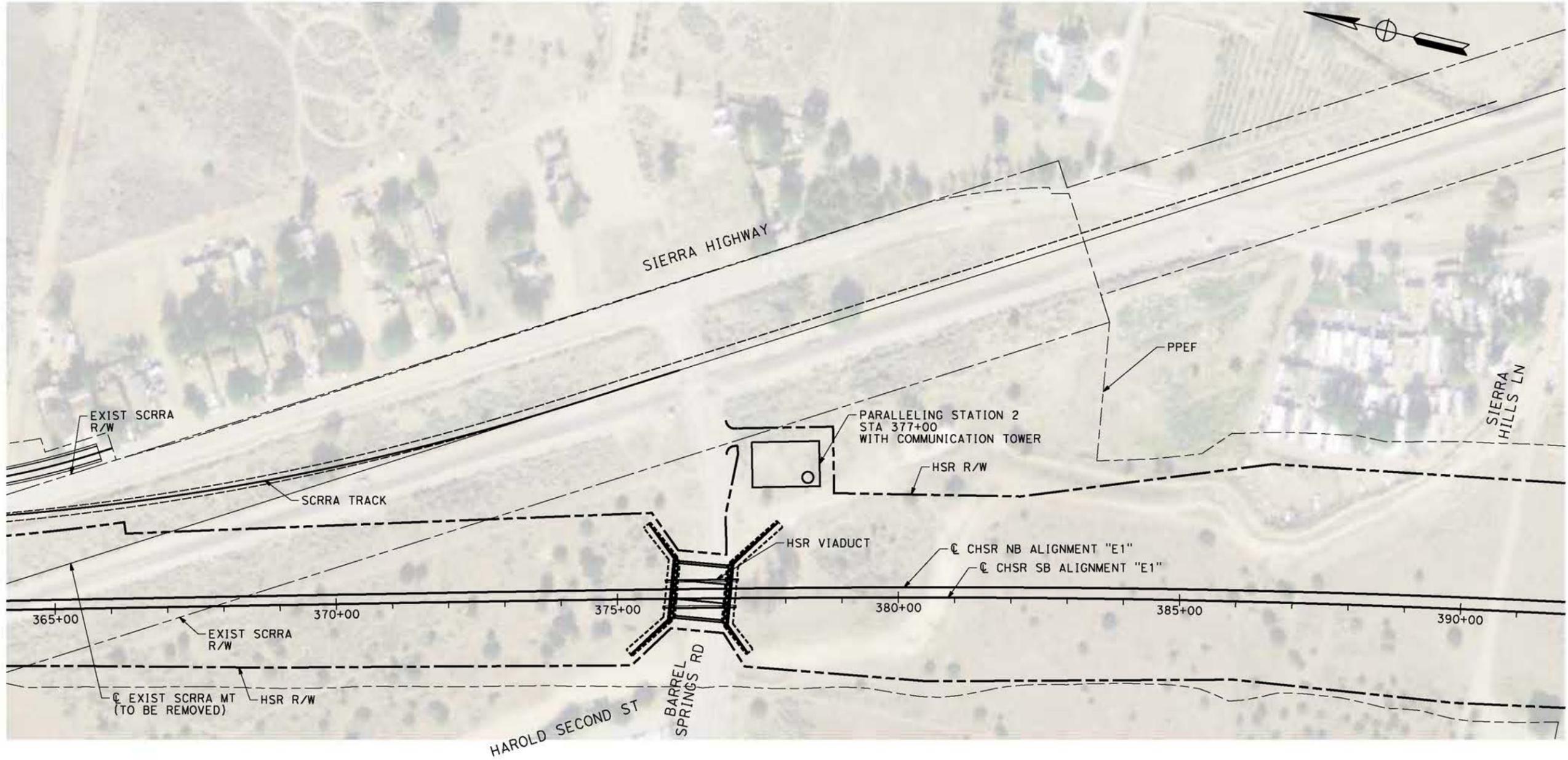
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PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 18B
LADWP VALLEY POWER GENERATING STATION**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-F4002-E1
SCALE
AS SHOWN
SHEET NO.

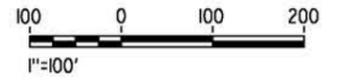
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0400074



PLAN



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F.J. DOMINGUEZ
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J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

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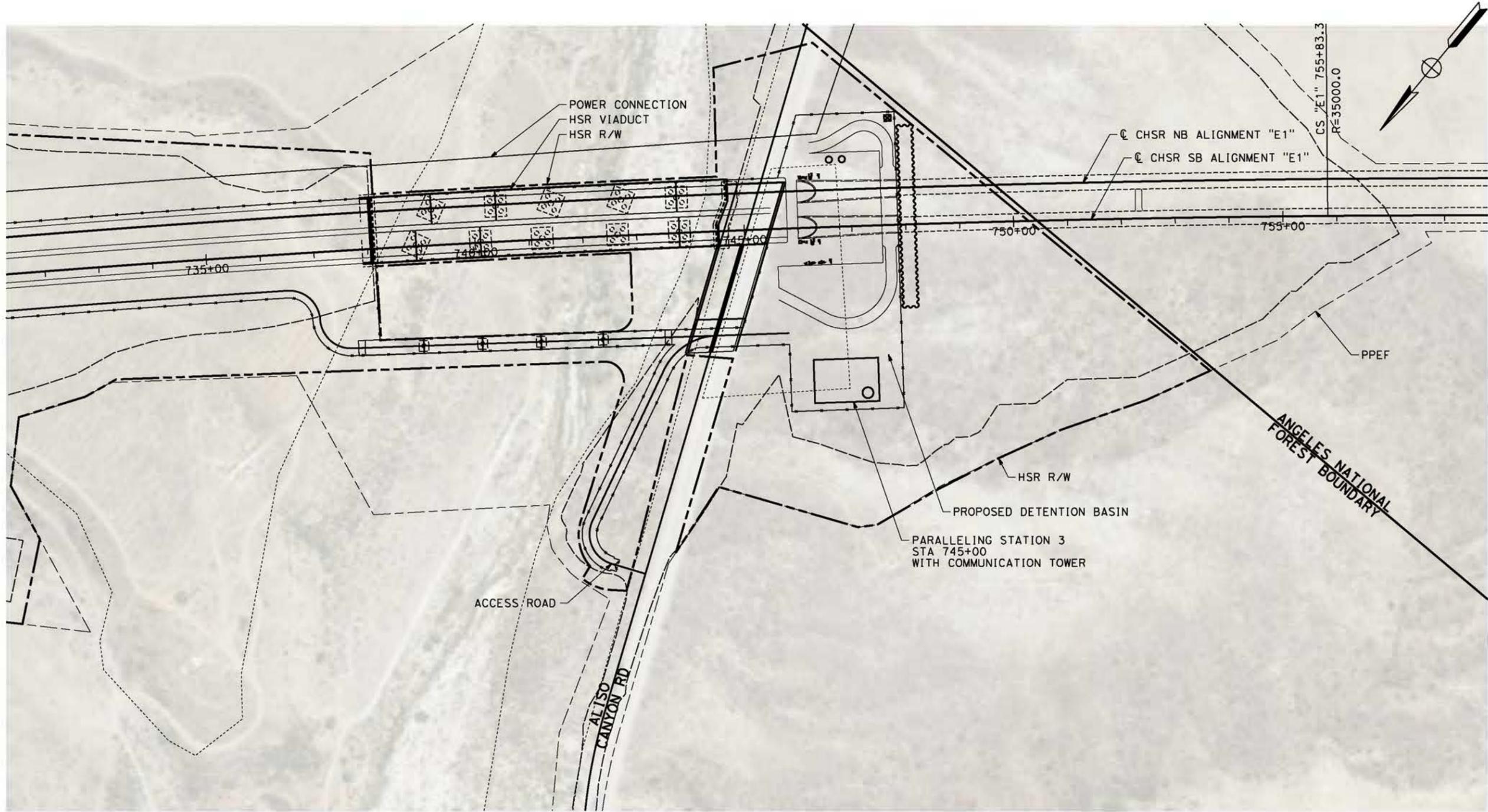
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
PARALLELING STATION 2**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04002-E1
SCALE
AS SHOWN
SHEET NO.

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0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02
NOT FOR CONSTRUCTION



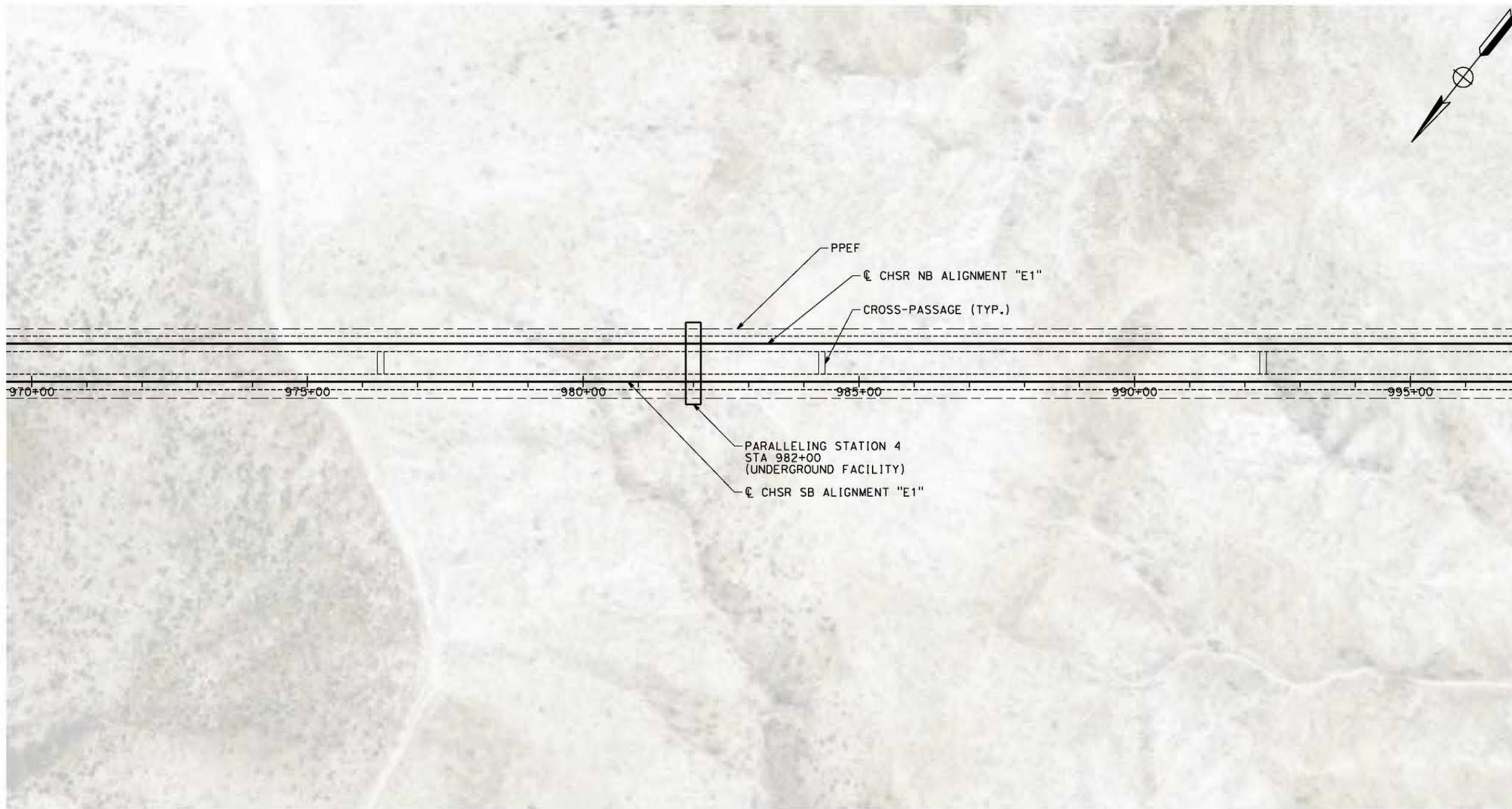
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
PARALLELING STATION 3

CONTRACT NO.
HSR14-42
DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.

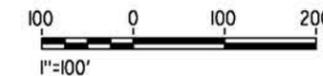
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0400074



PLAN



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A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

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CONSTRUCTION



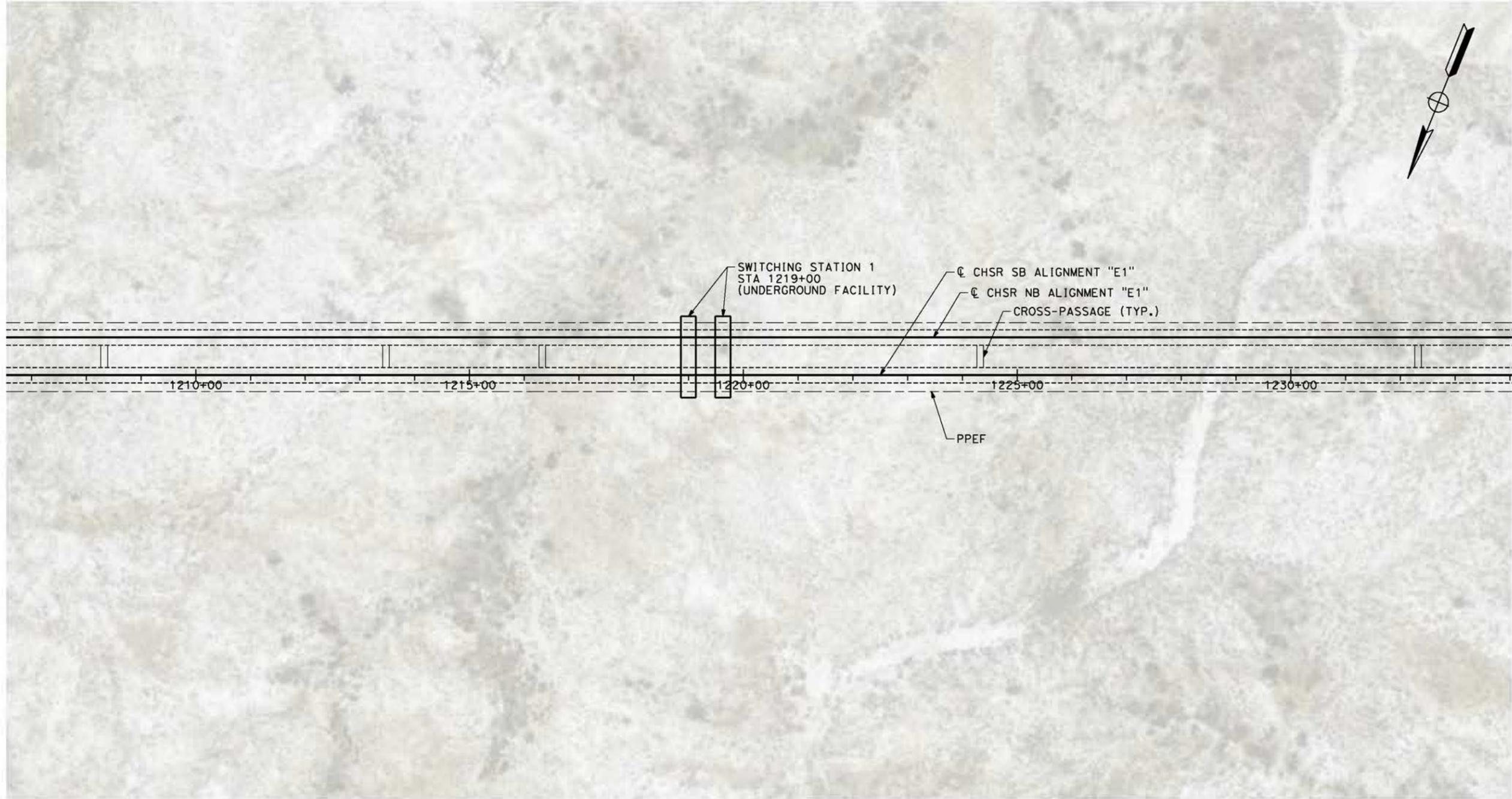
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PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
PARALLELING STATION 4

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04004-E1
SCALE
AS SHOWN
SHEET NO.

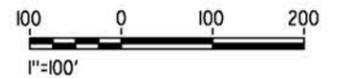
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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
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J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



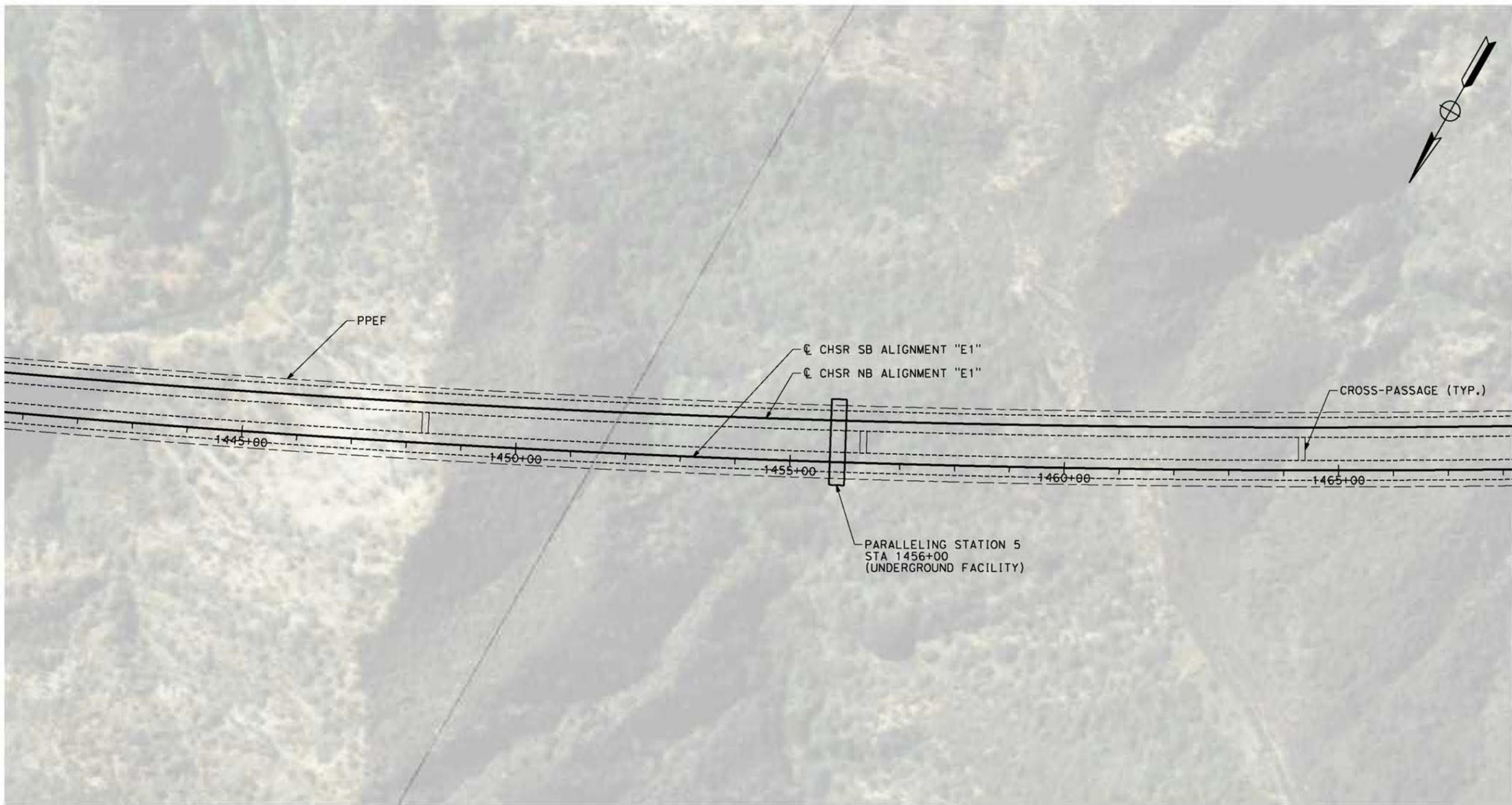
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PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
SWITCHING STATION 1

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04005-E1
SCALE
AS SHOWN
SHEET NO.

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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



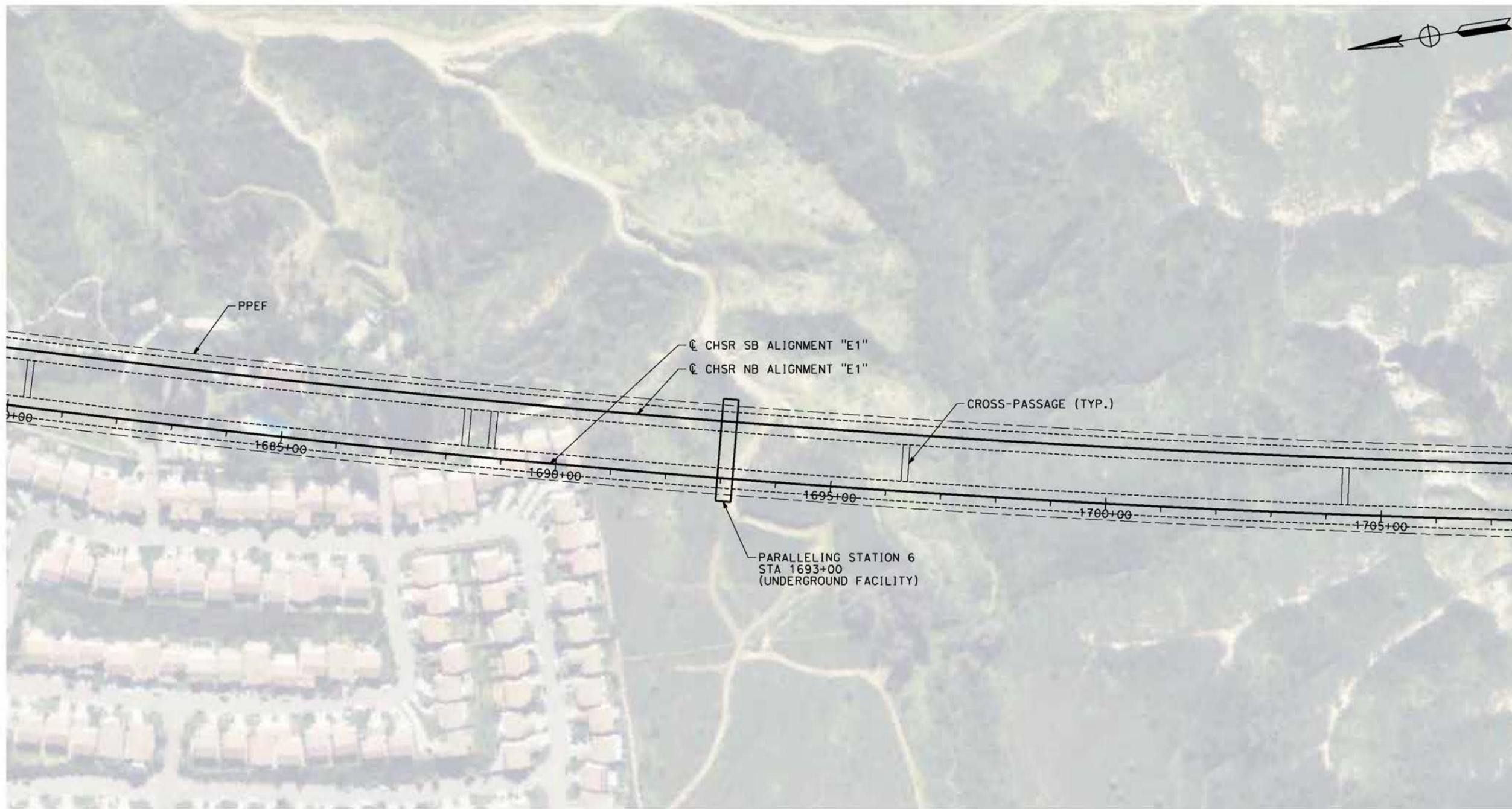
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PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
PARALLELING STATION 5**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04006-E1
SCALE
AS SHOWN
SHEET NO.

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0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



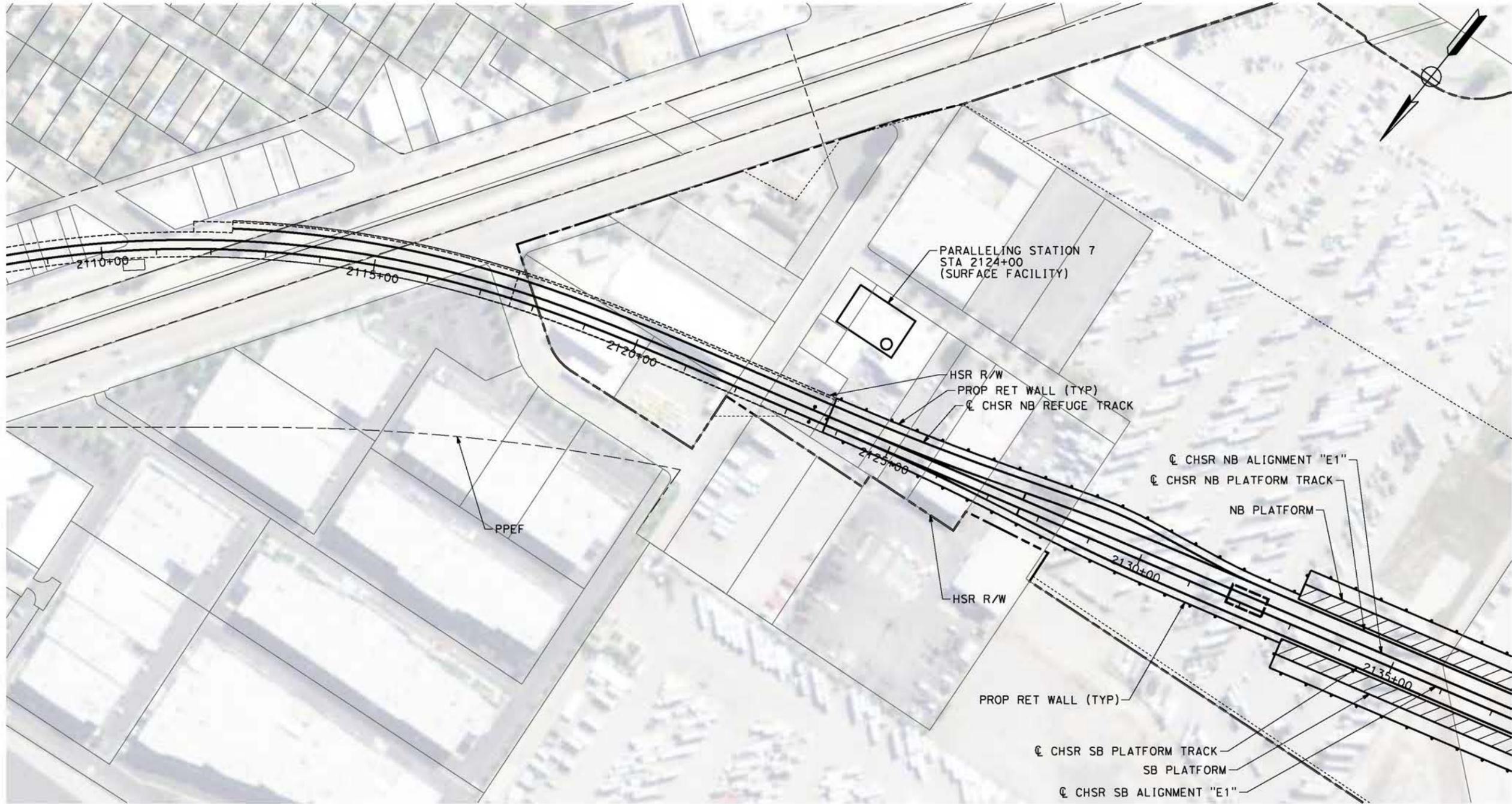
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRACTION POWER FACILITIES
PARALLELING STATION 6

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04007-E1
SCALE
AS SHOWN
SHEET NO.

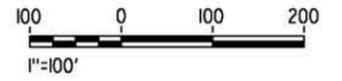
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5/26/2021 4:09:16 PM

0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

**PEPD RECORD SET
REV 02**

**NOT FOR
CONSTRUCTION**



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

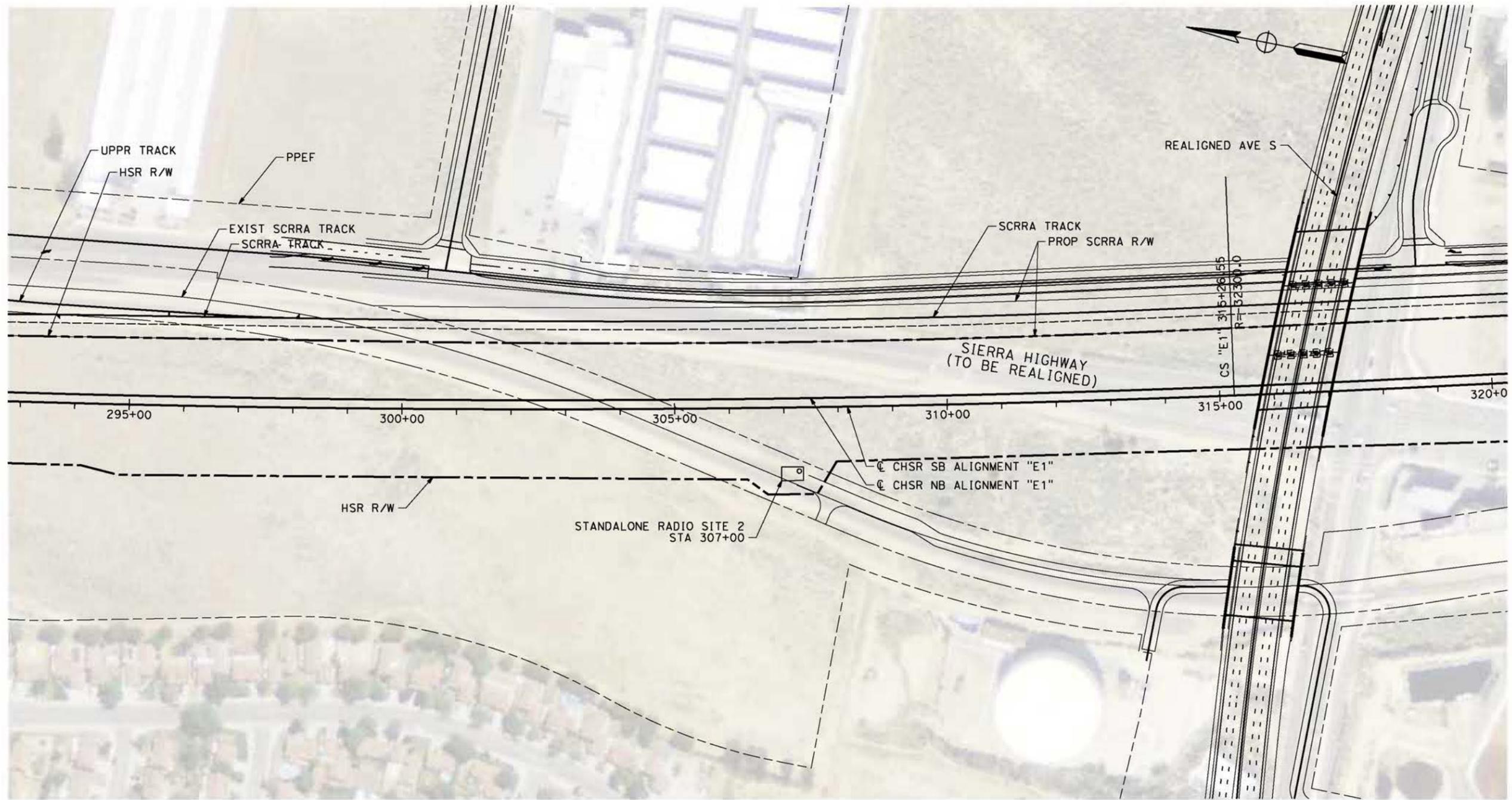
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TRACTION POWER FACILITIES
PARALLELING STATION 7**

CONTRACT NO.
HSR14-42

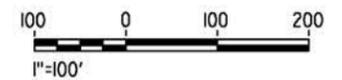
DRAWING NO.
TP-04008-E1

SCALE
AS SHOWN

SHEET NO.



PLAN



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5/26/2021 4:09:25 PM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

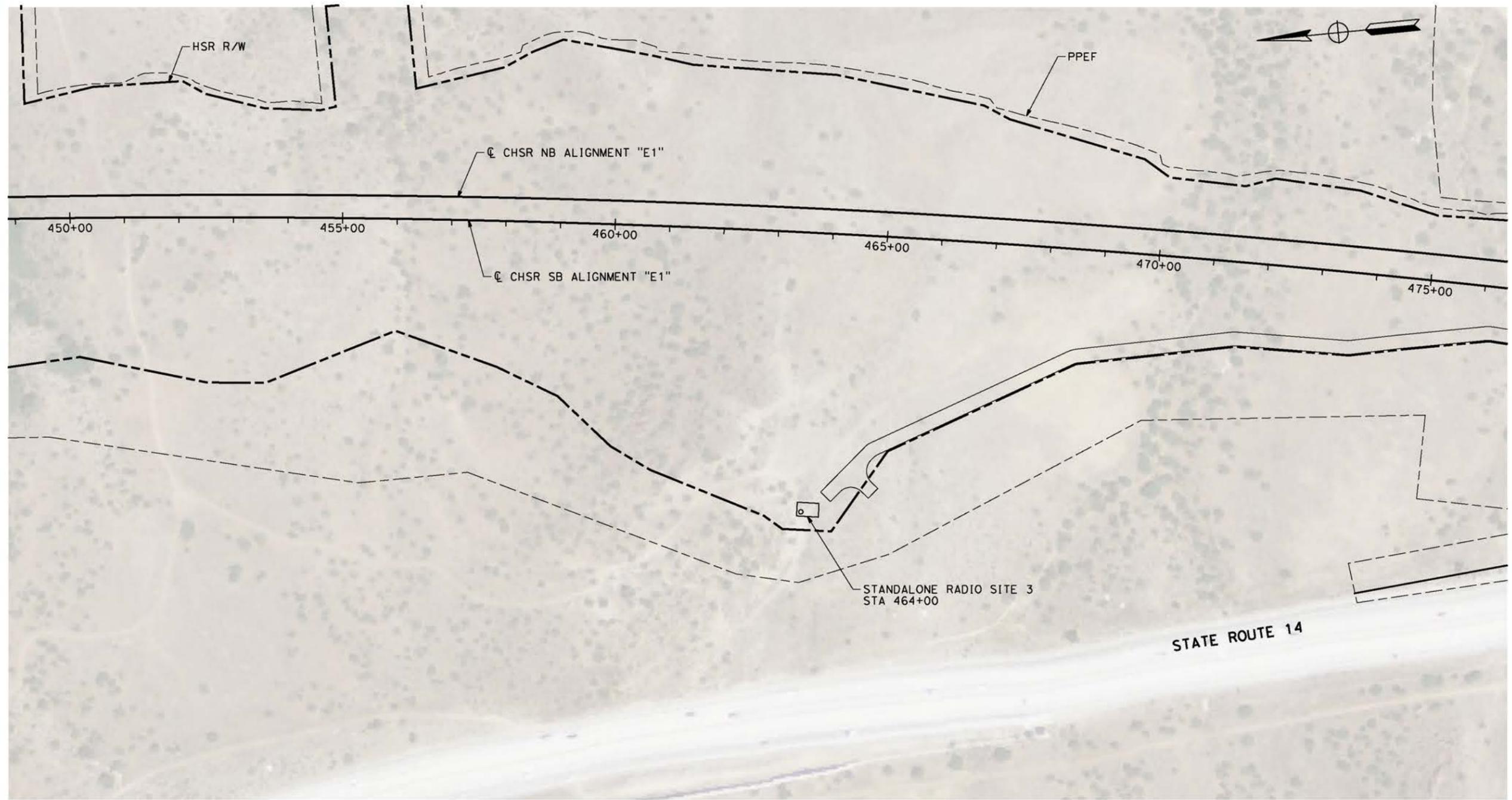
PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION

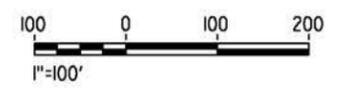


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRAIN CONTROL SYSTEM
STANDALONE RADIO SITE 2

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-F4002-E1
SCALE
AS SHOWN
SHEET NO.



PLAN



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

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F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRAIN CONTROL SYSTEM
STANDALONE RADIO SITE 3

CONTRACT NO.
HSR14-42

DRAWING NO.
TC-F4003-E1

SCALE
AS SHOWN

SHEET NO.

LEGEND

RAILWAY SYSTEMS FACILITY SPACING (MILES)	5.0
AT-GRADE / ELEVATED	————
UNDERGROUND	=====

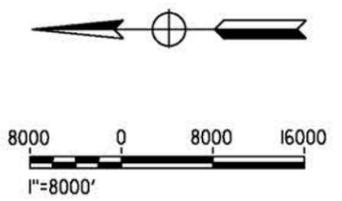
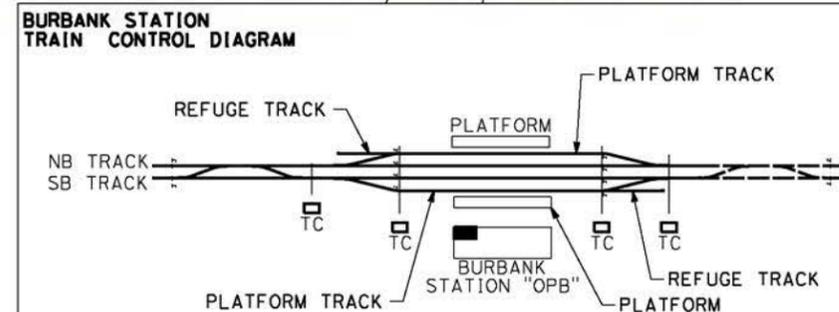
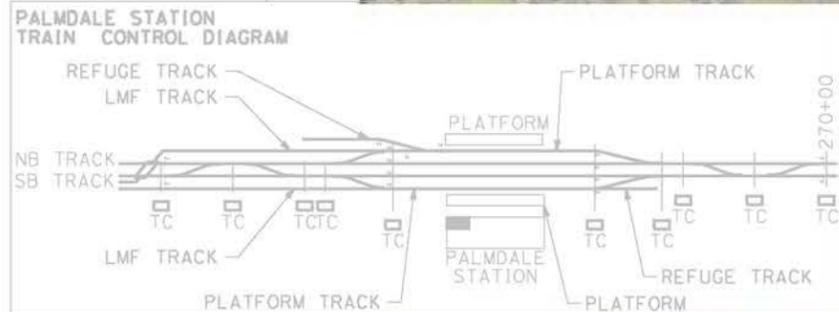
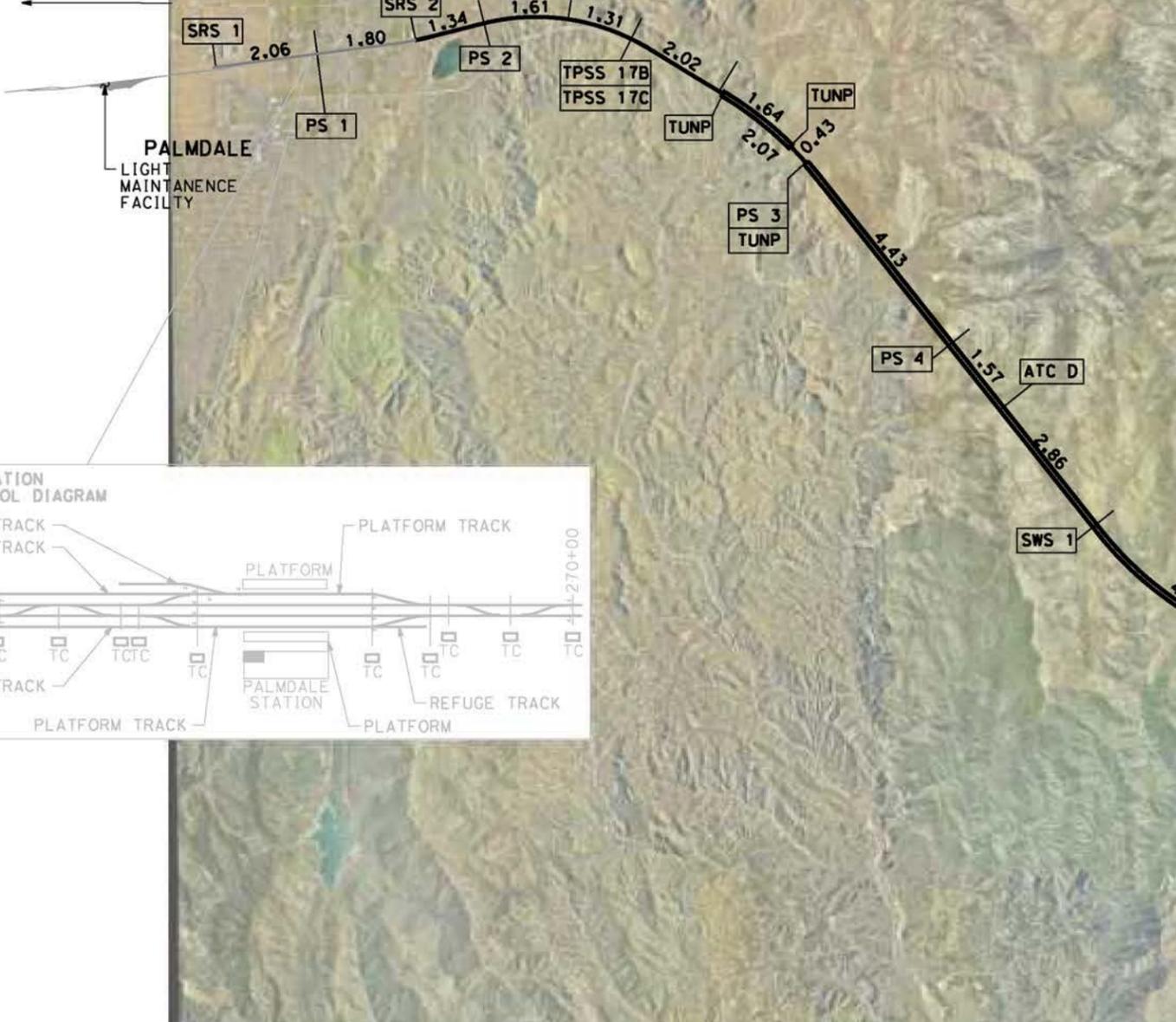
ABBREVIATIONS:

TPSS:	TRACTION POWER SUBSTATION
PS:	PARALLELING STATION
SWS:	SWITCHING STATION
TUNP:	TUNNEL PORTAL FACILITIES
SRS:	STANDALONE RADIO SITE
ATC D:	TRAIN CONTROL FACILITY

NOTE:

1. SITE STATIONING GIVEN IS APPROXIMATE AND WILL BE FINALIZED IN FUTURE DESIGN PHASE.
2. IN UNDERGROUND SECTIONS, RF COMMUNICATION WILL BE USING DIRECTIONAL ANTENNAS OR RADIANT CABLES.
3. TRACTION POWER FACILITIES HAVE RADIO ANTENNAS.
4. ALL TUNNEL PORTALS (TUNP) REQUIRE SPACE FOR RADIO MASTS AS WELL AS ANTENNAS, PLUS AN ASSOCIATED CABIN TO HOUSE RADIO EQUIPMENT. ATC EQUIPMENT CABINS WILL BE LOCATED AT THESE LOCATIONS TOO.
5. RADIO EQUIPMENT WITHIN TUNNELS WILL BE INSTALLED IN CROSS PASSAGES EQUIPMENT ROOMS AND AT PARALLELING STATIONS.
6. SYSTEMS FACILITIES IN PALMDALE SUBSECTION ARE INCLUDED FOR REFERENCE ONLY. SINCE THEY ARE PART OF THE PALMDALE SUBSECTION RECORD SET INCLUDED IN THE BAKERSFIELD - PALMDALE ENVIRONMENTAL DOCUMENT.

1.87 MILES TO BAKERSFIELD TO PALMDALE PARALLELING STATION 11



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5/26/2021 4:45:32 PM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY R. RODRIGUEZ
DRAWN BY F.J. DOMINGUEZ
CHECKED BY J.LEMA
IN CHARGE A. RELANO
DATE 04/30/2021

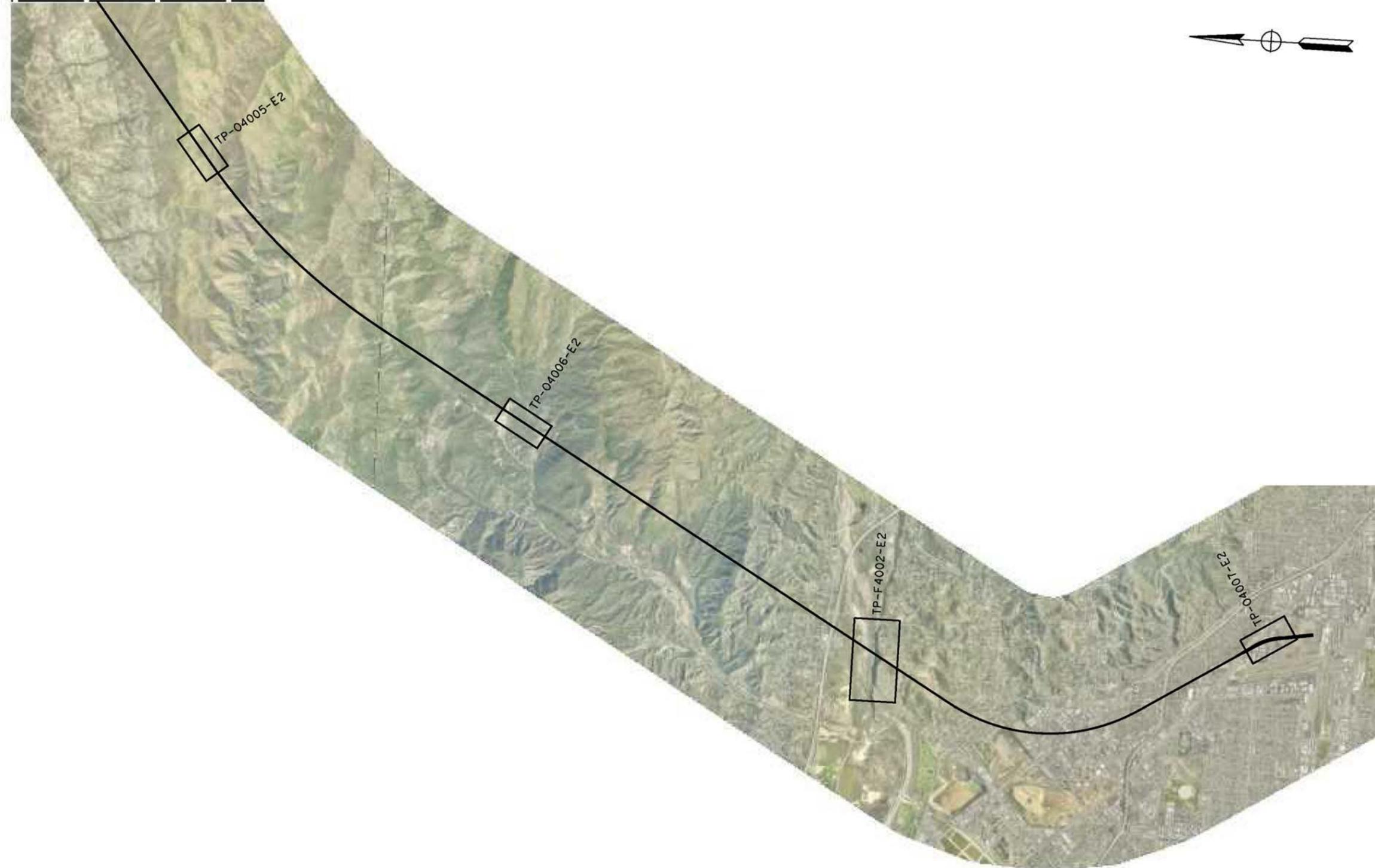
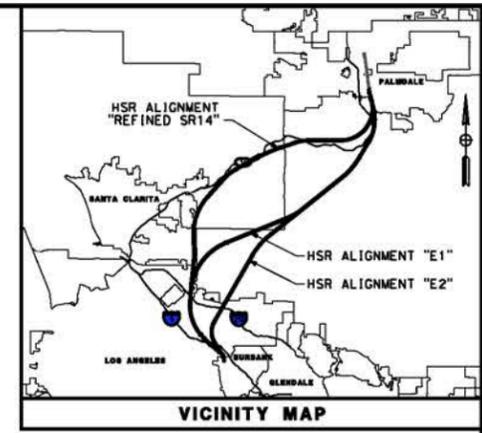
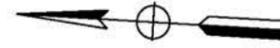
**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"
TRACTION POWER FACILITIES
LOCATION LAYOUT**

CONTRACT NO. HSR14-42
DRAWING NO. TP-D0001-E2
SCALE AS SHOWN
SHEET NO.

MATCH LINE SEE TP-B6001-E1



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DESIGNED BY
R. RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"

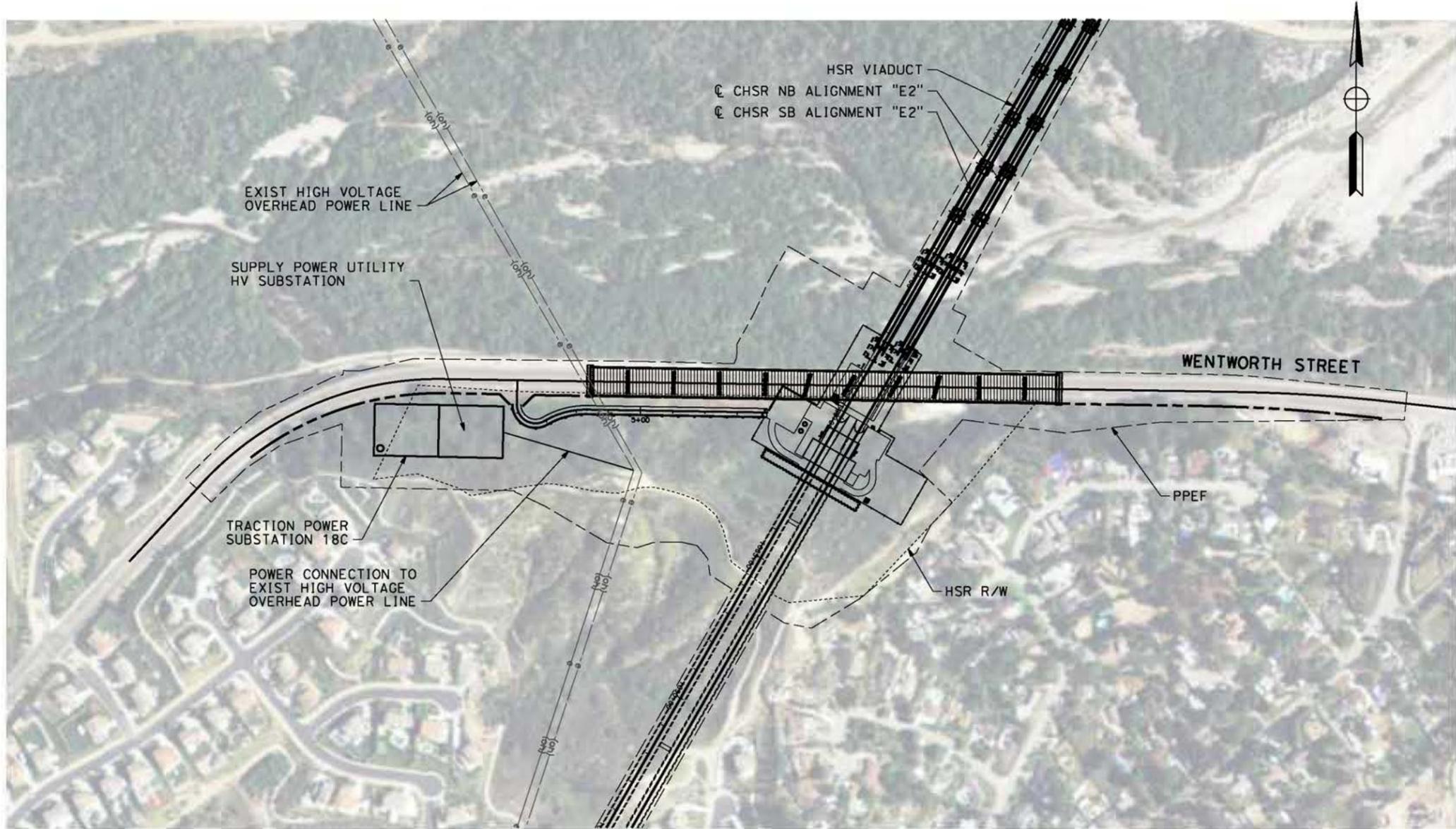
RAILWAY SYSTEMS
KEY MAP

CONTRACT NO.
HSR14-42

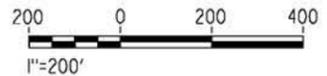
DRAWING NO.
TP-B6001-E2

SCALE
AS SHOWN

SHEET NO.



TRACTION POWER SUBSTATION 18C



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DESIGNED BY
R. RODRIGUEZ
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CHECKED BY
J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



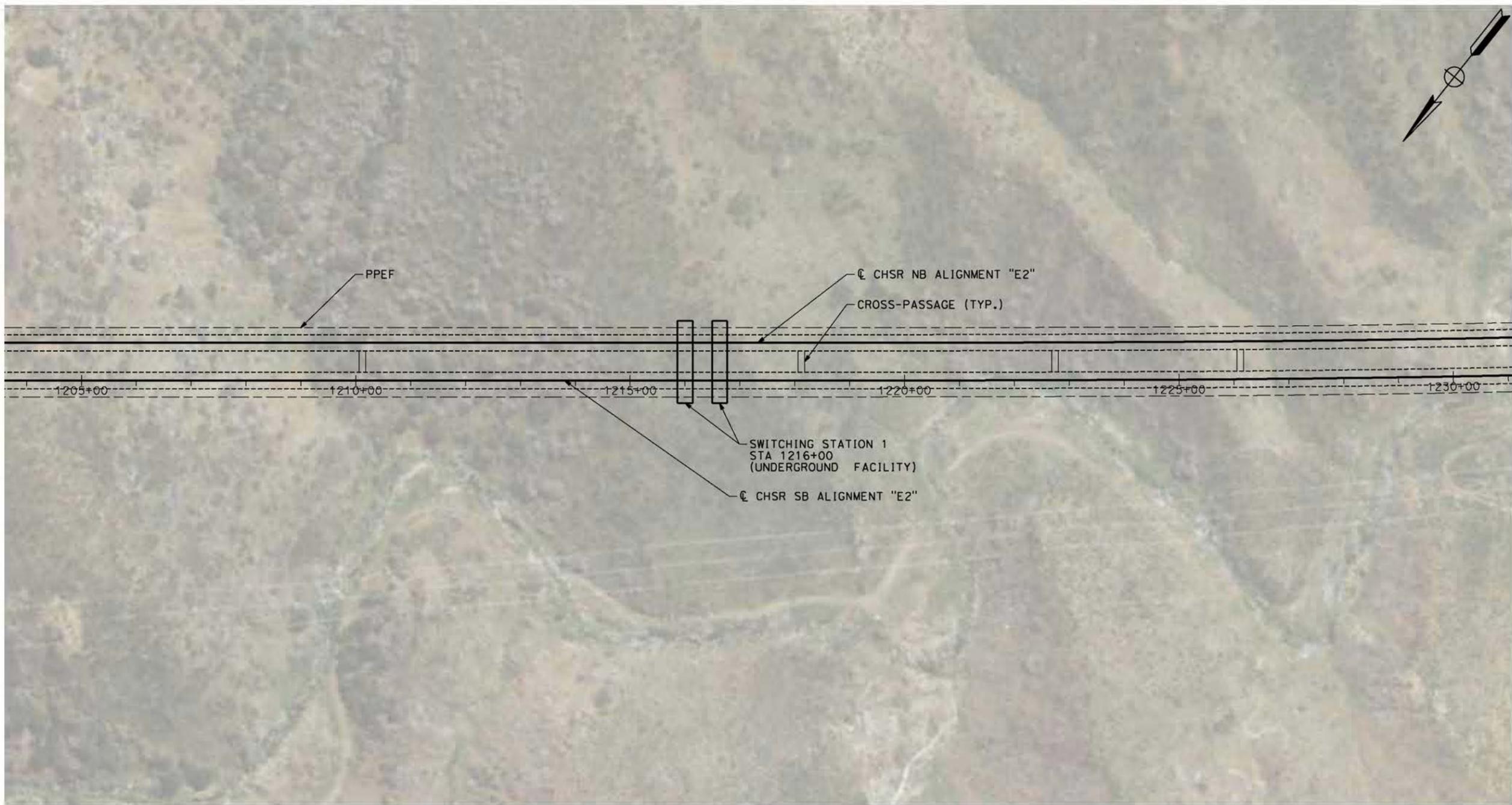
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"
TRACTION POWER FACILITIES
TRACTION POWER SUBSTATION 18C
TUJUNGA WASH AREA

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-F4002-E2
SCALE
AS SHOWN
SHEET NO.

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PLAN



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IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02

NOT FOR
CONSTRUCTION**



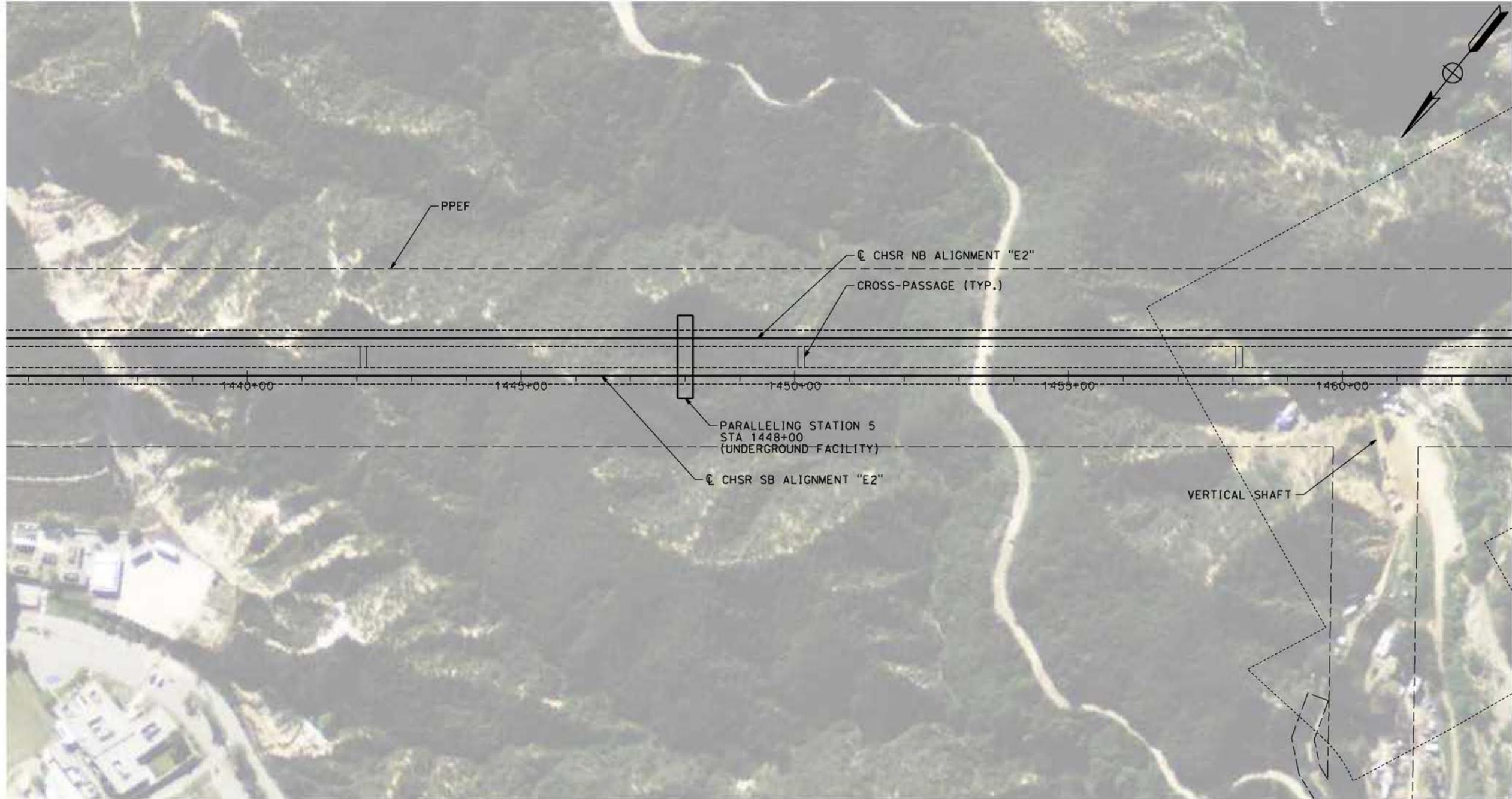
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"
TRACTION POWER FACILITIES
SWITCHING STATION 1**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04005-E2
SCALE
AS SHOWN
SHEET NO.

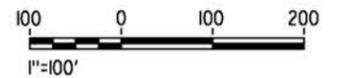
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5/26/2021 4:47:35 PM

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PLAN



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DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"
TRACTION POWER FACILITIES
PARALLELING STATION 5

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04006-E2
SCALE
AS SHOWN
SHEET NO.

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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
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IN CHARGE
A. RELANO
DATE
04/30/2021

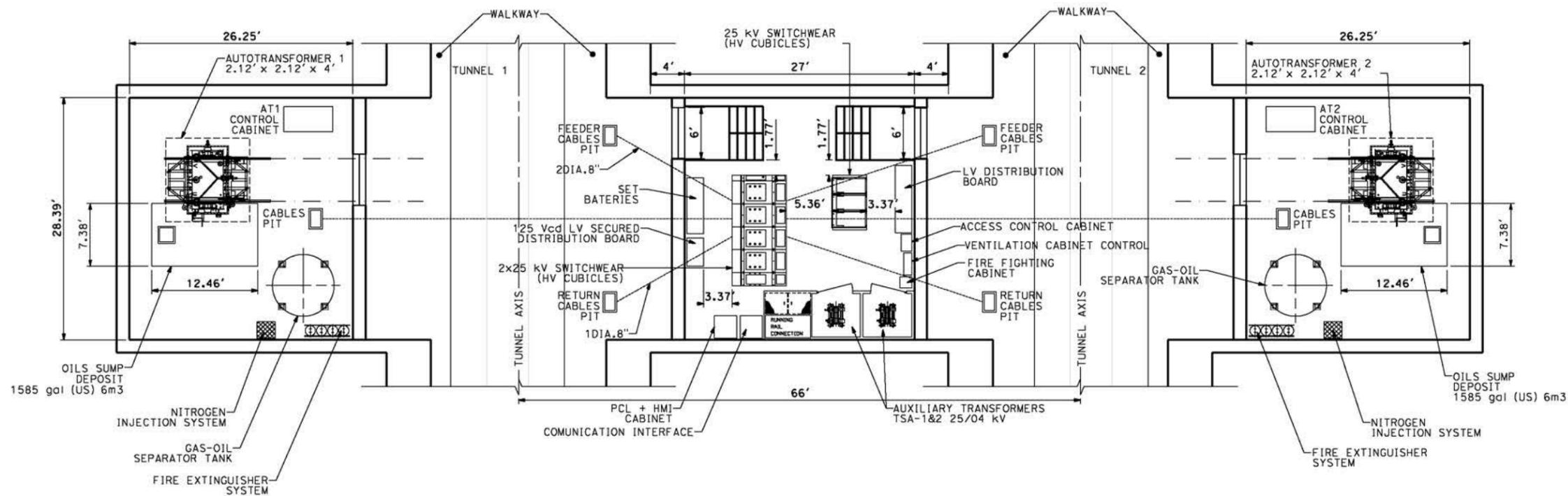
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REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E2"
TRACTION POWER FACILITIES
PARALLELING STATION 6

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-04007-E2
SCALE
AS SHOWN
SHEET NO.



UNDERGROUND PARALLELING STATION

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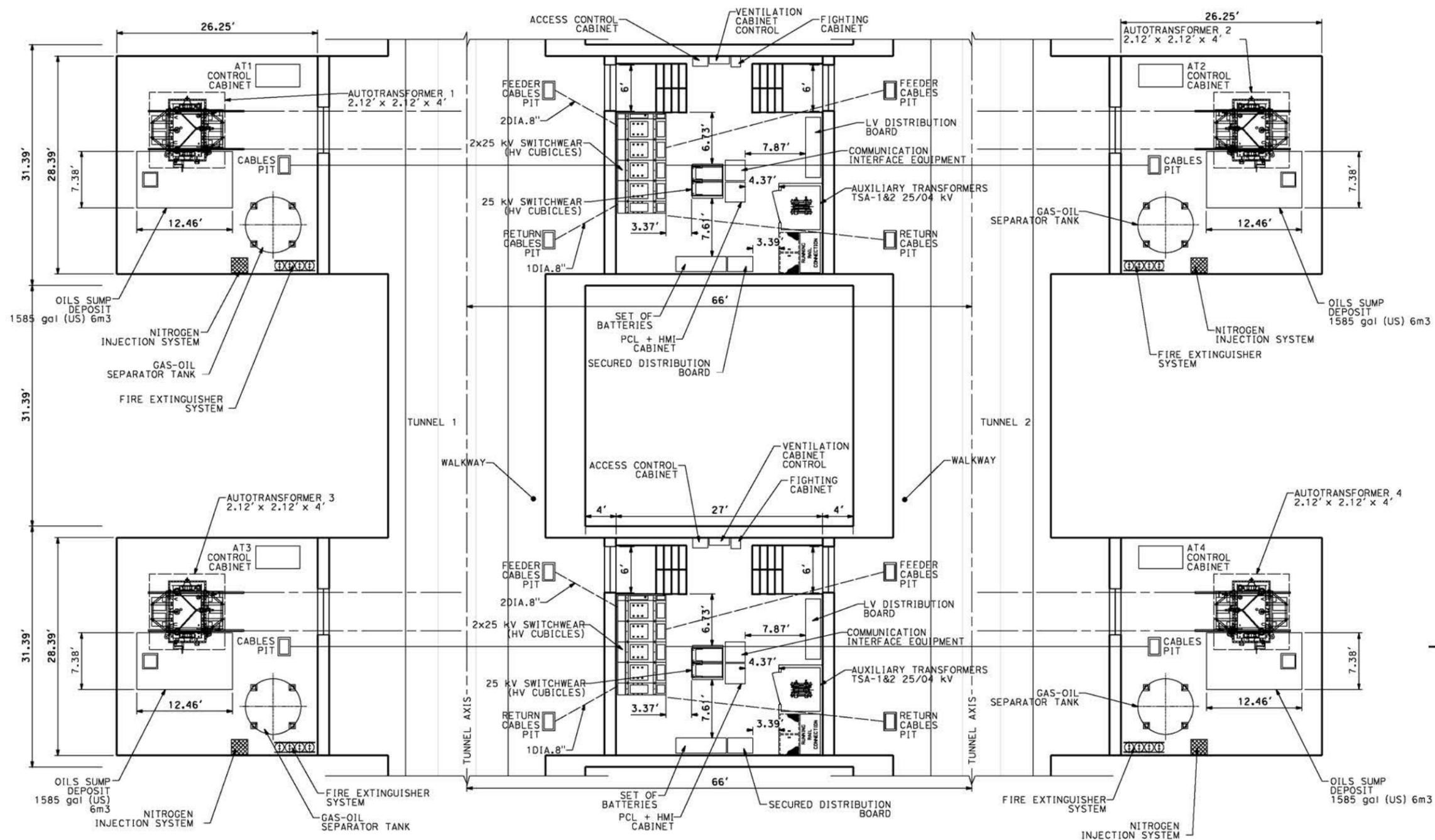
DESIGNED BY
R. RODRIGUEZ
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F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
UNDERGROUND TRACTION POWER FACILITIES
DETAIL 1

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-D5001
SCALE
NOT TO SCALE
SHEET NO.



UNDERGROUND SWITCHING STATION

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5/26/2021 5:27:04 PM

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F.J. DOMINGUEZ

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IN CHARGE
A. RELANO

DATE
04/30/2021

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REV 02

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"

UNDERGROUND TRACTION POWER FACILITIES
DETAIL 2

CONTRACT NO.
HSR14-42

DRAWING NO.
TP-D5002

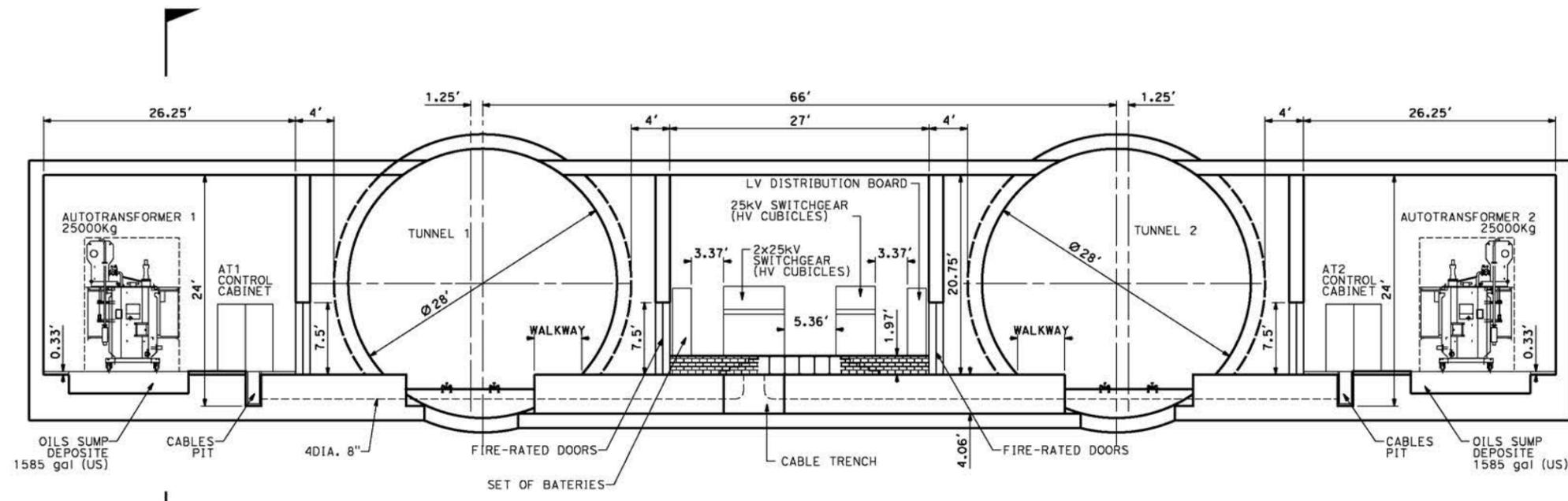
SCALE
NOT TO SCALE

SHEET NO.

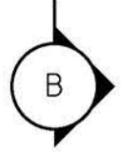
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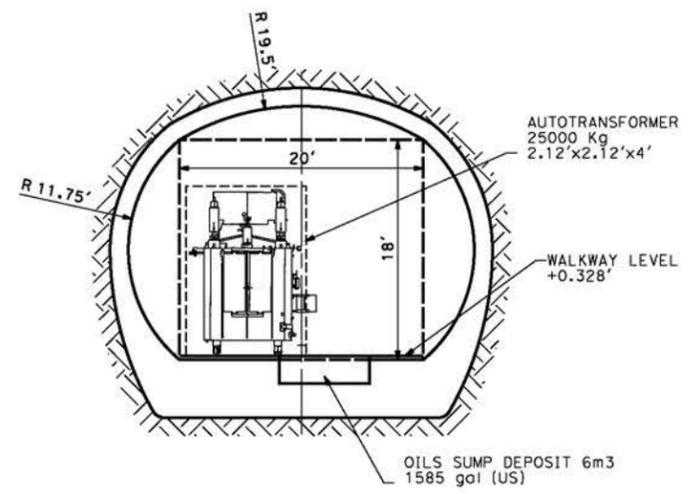
0400074



GENERAL TEXT
(0.140 x Scale)



SECTION A



SECTION B

REV	DATE	BY	CHK	APP	DESCRIPTION

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R. RODRIGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

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REV 02
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CONSTRUCTION**

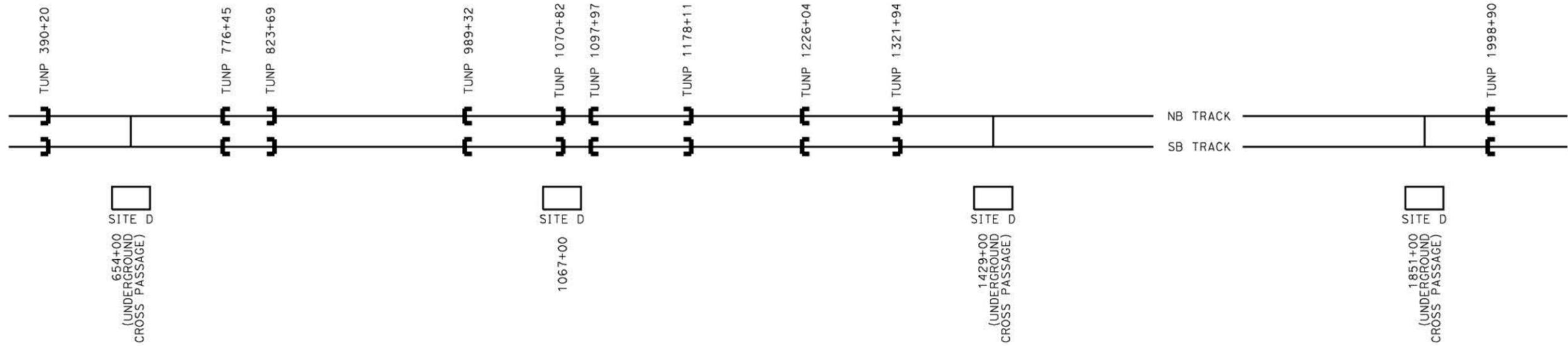


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
UNDERGROUND TRACTION POWER FACILITIES
DETAIL 3**

CONTRACT NO.
HSR14-42
DRAWING NO.
TP-D5003
SCALE
NOT TO SCALE
SHEET NO.

← TO PALMDALE STATION

TO BURBANK STATION →



REFINED SR14 ALIGNMENT

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A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
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CONSTRUCTION**

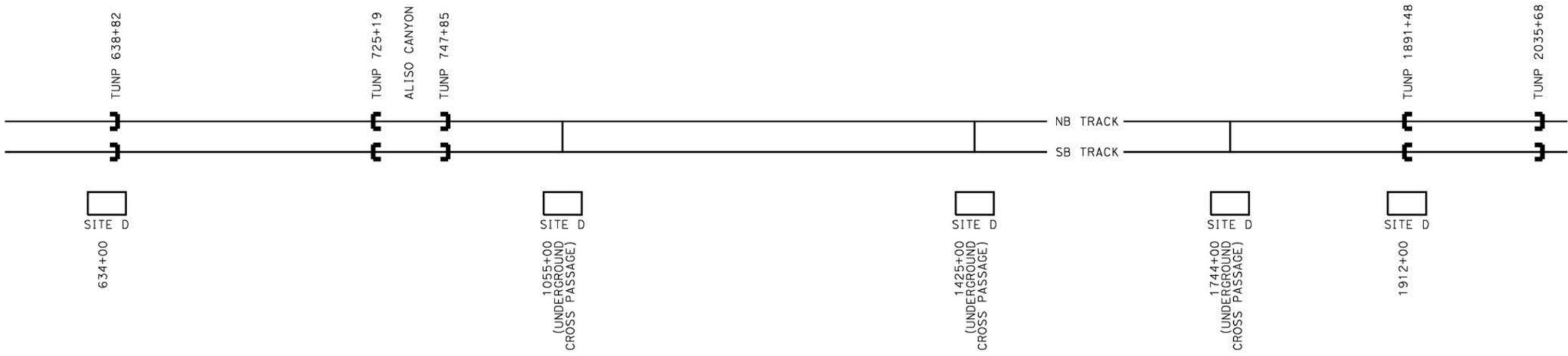


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
"SITE D" LOCATIONS**

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-E6002
SCALE
NOT TO SCALE
SHEET NO.

TO PALMDALE STATION
←

TO BURBANK STATION
→



E1 ALIGNMENT

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CONSTRUCTION**



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

ALIGNMENT "E1"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
"SITE D" LOCATIONS

CONTRACT NO.
HSR14-42

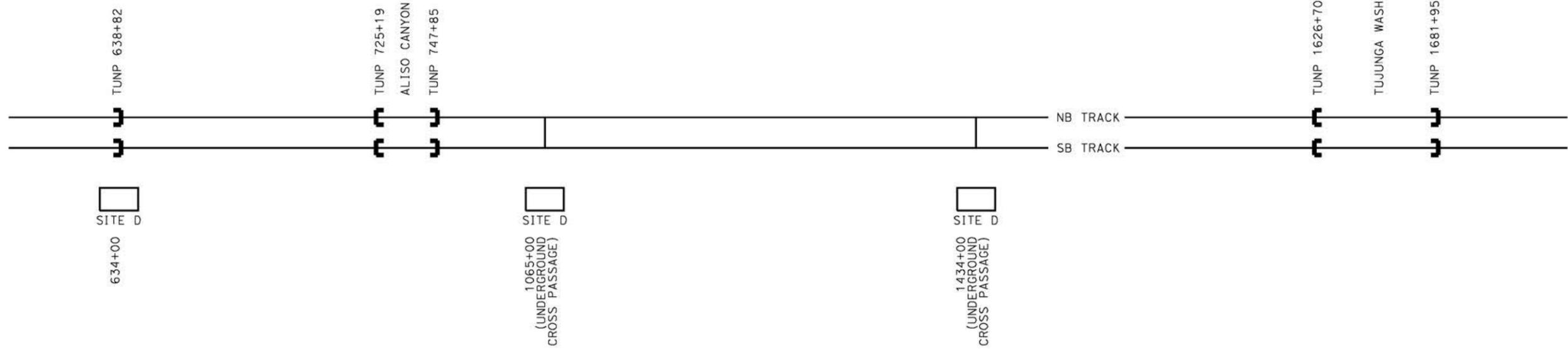
DRAWING NO.
TC-E6003

SCALE
NOT TO SCALE

SHEET NO.

TO PALMDALE
STATION

TO BURBANK
STATION



E2 ALIGNMENT

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CHECKED BY
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IN CHARGE
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DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



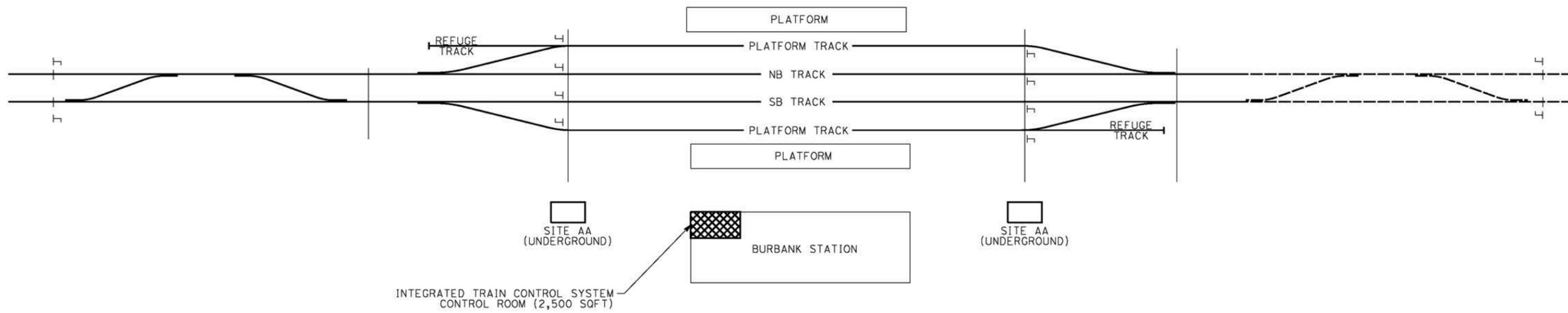
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E2"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
"SITE D" LOCATIONS

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-E6004
SCALE
NOT TO SCALE
SHEET NO.

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0400074



BURBANK STATION

NOTE:

1. THIS SCHEMATIC DIAGRAM IS APPLICABLE TO ALL ALTERNATIVES.

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IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



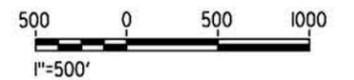
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "REFINED SR14/E1/E2"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
BURBANK STATION

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-E6005
SCALE
NOT TO SCALE
SHEET NO.

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DRAWN BY
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CHECKED BY
J.LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

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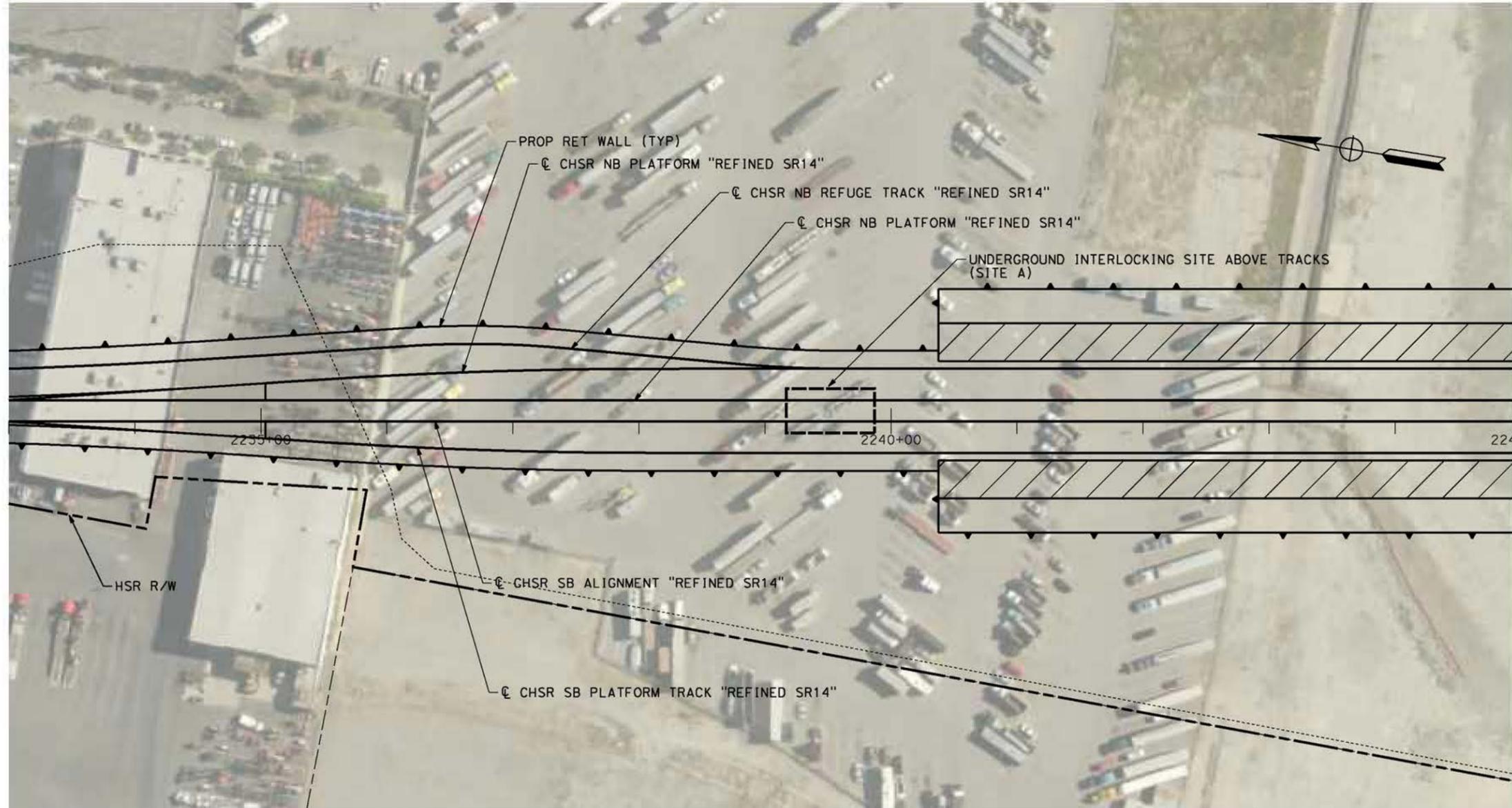
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEMS
RAILWAY SYSTEMS
KEY MAP

CONTRACT NO.
HSR14-42

DRAWING NO.
TC-B6001-S14

SCALE
AS SHOWN

SHEET NO.



PLAN



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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F.J. DOMINGUEZ

CHECKED BY
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IN CHARGE
A. RELANO

DATE
04/30/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
STA 2233+00 TO STA 2245+00

CONTRACT NO.
HSR14-42

DRAWING NO.
TC-F5001-S14

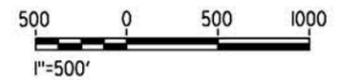
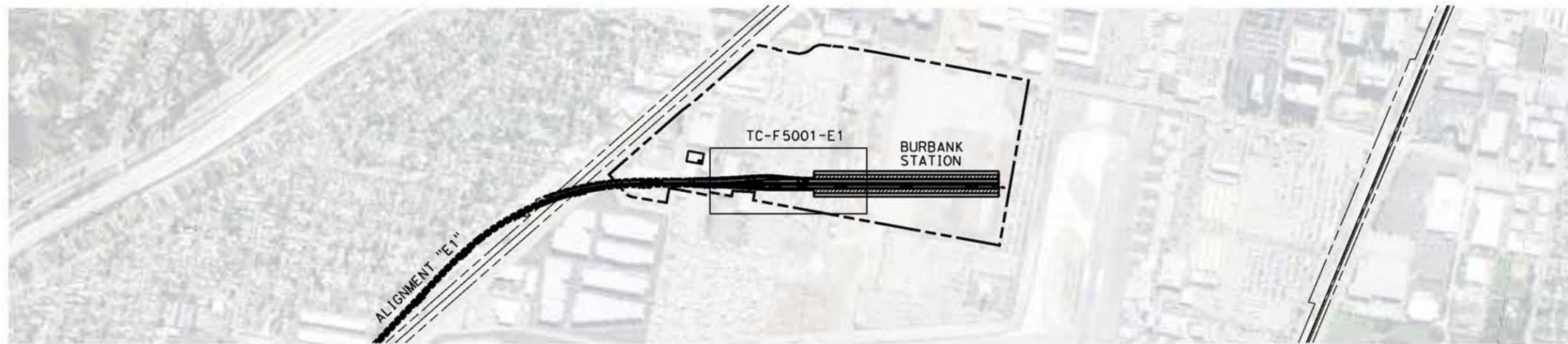
SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

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F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRAIN CONTROL SYSTEMS
RAILWAY SYSTEMS
KEY MAP

CONTRACT NO.
HSR14-42

DRAWING NO.
TC-B6001-E1

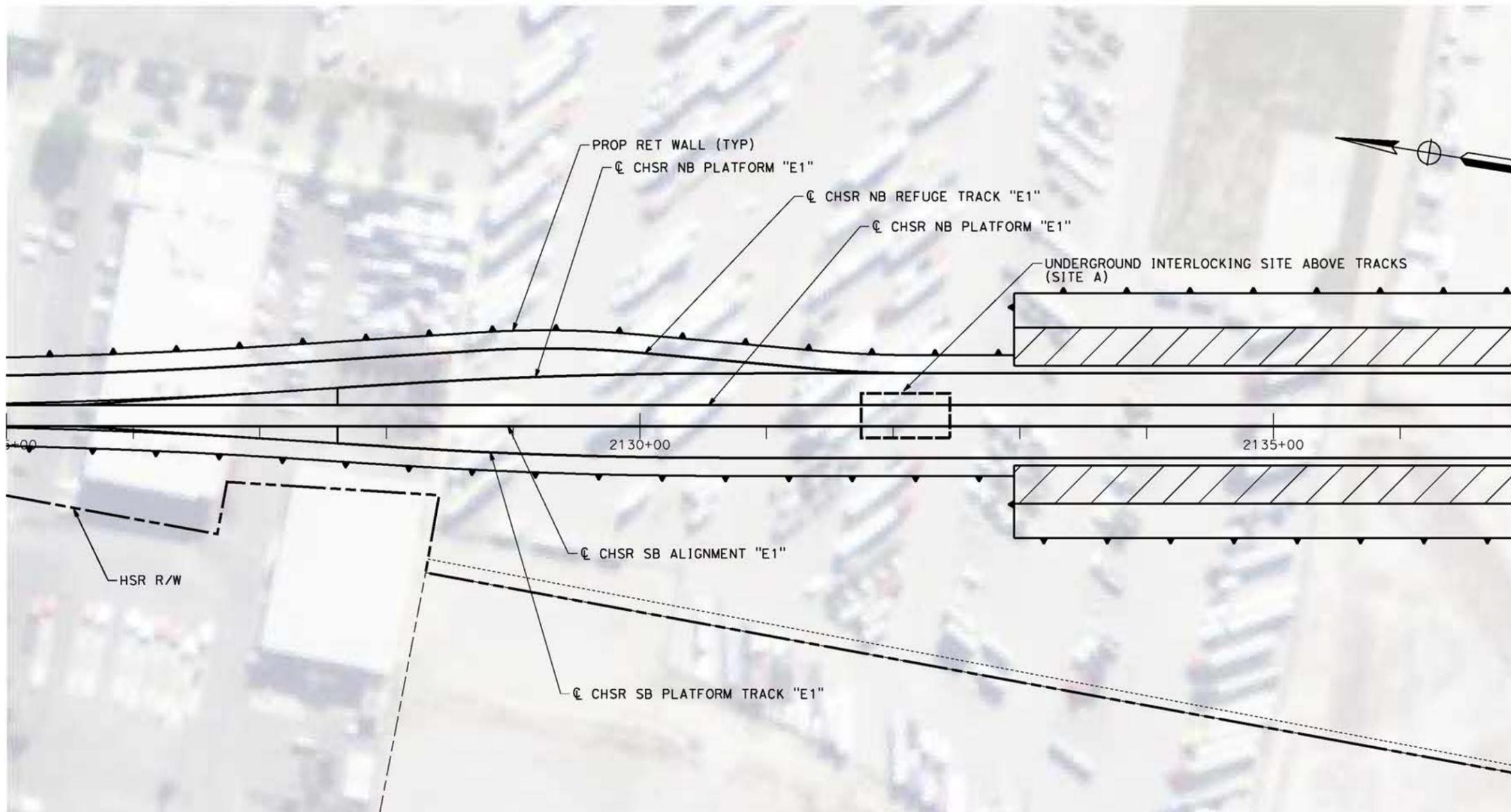
SCALE
AS SHOWN

SHEET NO.

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PLAN



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DESIGNED BY
R. RODRIGUEZ
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F.J. DOMINGUEZ
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J.LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

PEPD RECORD SET
REV 02
NOT FOR CONSTRUCTION



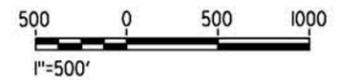
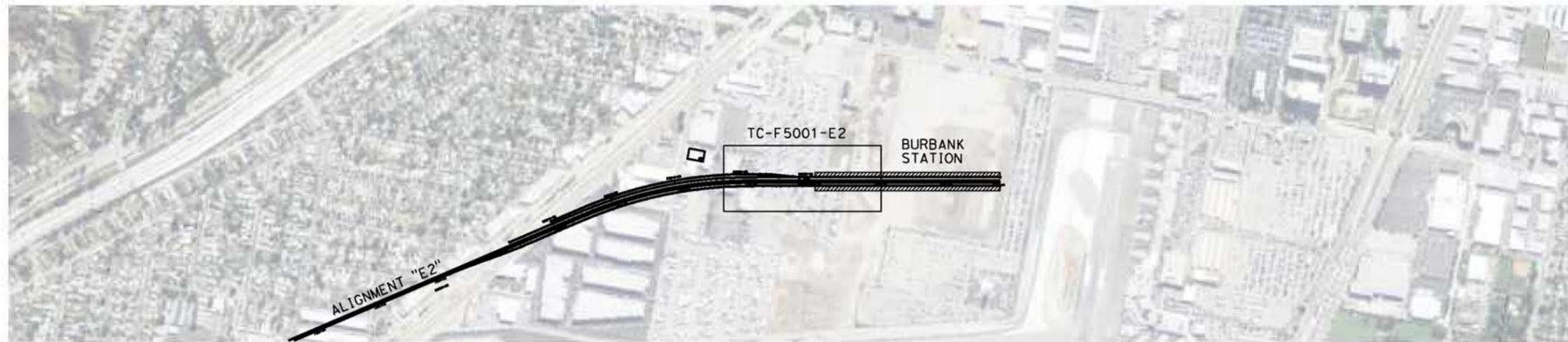
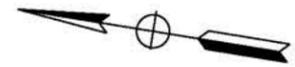
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
STA 2125+00 TO STA 2137+00

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-F5001-E1
SCALE
AS SHOWN
SHEET NO.

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5/26/2021 5:30:31 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ

DRAWN BY
F.J. DOMINGUEZ

CHECKED BY
J. LEMA

IN CHARGE
A. RELANO

DATE
04/30/2021

PEPD RECORD SET
REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK

ALIGNMENT "E2"
TRAIN CONTROL SYSTEMS
RAILWAY SYSTEMS
KEY MAP

CONTRACT NO.
HSR14-42

DRAWING NO.
TC-B6001-E2

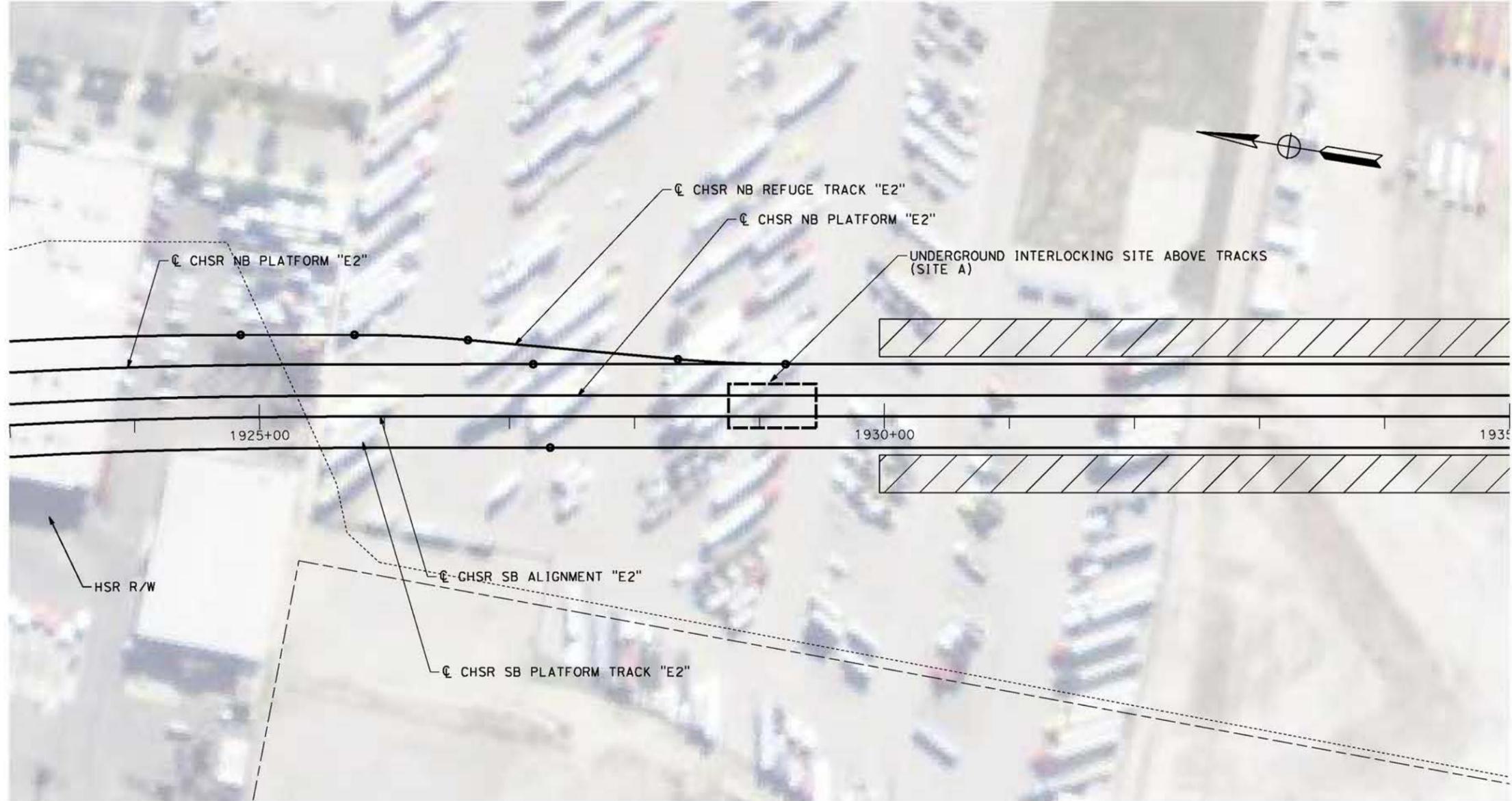
SCALE
AS SHOWN

SHEET NO.

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5/26/2021 5:30:47 PM

0400074



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. RODRIGUEZ
DRAWN BY
F.J. DOMINGUEZ
CHECKED BY
J. LEMA
IN CHARGE
A. RELANO
DATE
04/30/2021

**PEPD RECORD SET
REV 02
NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E2"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES
STA 1923+00 TO STA 1935+00

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-F5001-E2
SCALE
AS SHOWN
SHEET NO.