California High-Speed Rail Authority

Palmdale to Burbank

Coordination Set
Palmdale Subsection

January 2020

CALIFORNIA High-Speed Rail Authority

GENERAL, TRACK, ROADWAY

DRAWING NO.	DRAWING DESCRIPTION
	COVER SHEET - PALMDALE SUBSECTION COORDINATION SET
GE-B0001	INDEX OF DRAWINGS - SHEET 1 OF 3
GE-B0002	INDEX OF DRAWINGS - SHEET 2 OF 3
GE-B0003	INDEX OF DRAWINGS - SHEET 3 OF 3
	COVER SHEET - TRACK
TT-B0001-PLM	INDEX OF DRAWINGS
TT-B0002-PLM	ABBREVIATIONS
TT-B0003-PLM	ABBREVIATIONS AND LEGEND
TT-C6001A-PLM	HIGH SPEED RAIL PLANS - KEY MAP
TT-C6002-PLM	HIGH SPEED RAIL PLANS - KEY MAP
TT-D1001A-PLM	PLAN AND PROFILE - STA 100+00.00 TO STA 115+00.00
TT-D1001AA-PLM	PLAN AND PROFILE - STA 100+00.00 TO STA 115+00.00
TT-D1002A-PLM	PLAN AND PROFILE - STA 115+00.00 TO STA 140+00.00
TT-D1003A-PLM	PLAN AND PROFILE - STA 140+00.00 TO STA 165+00.00
TT-D1004A-PLM	PLAN AND PROFILE - STA 165+00.00 TO STA 190+00.00
TT-D1005A-PLM	PLAN AND PROFILE - STA 190+00.00 TO STA 215+00.00
TT-D1006A-PLM	PLAN AND PROFILE - STA 215+00.00 TO STA 240+00.00
TT-D1007A-PLM	PLAN AND PROFILE - STA 240+00.00 TO STA 265+00.00
TT-D1008-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3000+00.00 TO STA 3015+00.00
TT-D1009-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3015+00.00 TO STA 3040+00.00
TT-D1010-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3040+00.00 TO STA 3065+00.00
TT-D1011-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3065+00.00 TO STA 3090+00.00
TT-D1012-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4065+00.00 TO STA 4090+00.00
TT-D1013-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4040+00.00 TO STA 4065+00.00
TT-D1014-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4015+00.00 TO STA 4040+00.00
TT-D1015-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4000+00.00 TO STA 4015+00.00
TT-D1016-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3090+00.00 TO STA 3092+82.93
TT-D1017-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4090+00.00 TO STA 4092+82.93
TT-D1018-PLM	SB REFUGE TRACK - PLAN AND PROFILE - STA 5000+00.00 TO STA 5019+00.18
TT-D1019-PLM	NB REFUGE TRACK - PLAN AND PROFILE - STA 6000+00.00 TO STA 6017+70.11
TT-D1020-PLM	SB LMF TRACK - PLAN AND PROFILE - STA 7000+00.00 TO STA 7020+00.00
TT-D1021-PLM	SB LMF TRACK - PLAN AND PROFILE - STA 7020+00.00 TO STA 7045+00.00
TT-D1022-PLM	SB LMF TRACK - PLAN AND PROFILE - STA 7045+00.00 TO STA 7068+36.07
TT-D1023-PLM	NB LMF TRACK - PLAN AND PROFILE - STA 8000+00.00 TO STA 8020+00.00
TT-D1024-PLM	NB LMF TRACK - PLAN AND PROFILE - STA 8020+00.00 TO STA 8045+00.00
TT-D1025-PLM	NB LMF TRACK - PLAN AND PROFILE - STA 8045+00.00 TO STA 8068+47.92
	COVER SHEET - ROADWAY
CV-B0001-PLM	ROADWAY PLAN - INDEX OF DRAWINGS

ROADWAY

DRAWING NO.	DRAWING DESCRIPTION
GE-C0001-PLM	ROADWAY PLAN - ABBREVIATIONS
GE-C0002-PLM	ROADWAY PLAN - ABBREVIATIONS AND LEGEND
CV-B0001-PLM	ROADWAY PLAN - KEY MAP
CV-R4001-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 1 OF 6
CV-R4002-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 2 OF 6
CV-R4003-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 3 OF 6
CV-R4004-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 4 OF 6
CV-R4005-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 5 OF 6
CV-R4006-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 6 OF 6
CV-R4010-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 1 OF 5
CV-R4011-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 2 OF 5
CV-R4012-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 3 OF 5
CV-R4013-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 4 OF 5
CV-R4014-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 5 OF 5
CV-R4015-PLM	ROADWAY PLAN - SIXTH STREET EAST - SHEET 1 OF 2
CV-R4016-PLM	ROADWAY PLAN - SIXTH STREET EAST - SHEET 2 OF 2
CV-R1001-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 1 OF 6
CV-R1002-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 2 OF 6
CV-R1003-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 3 OF 6
CV-R1004-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 4 OF 6
CV-R1005-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 5 OF 6
CV-R1006-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 6 OF 6
CV-R1010-PLM	ROADWAY PROFILE - EAST AVENUE O
CV-R1011-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 1 OF 5
CV-R1012-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 2 OF 5
CV-R1013-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 3 OF 5
CV-R1014-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 4 OF 5
CV-R1015-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 5 OF 5
CV-R1016-PLM	ROADWAY PROFILE - AVENUE Q 9 AND AVENUE Q 12
CV-R1017-PLM	ROADWAY PROFILE - SIXTH STREET - SHEET 1 OF 2
CV-R1018-PLM	ROADWAY PROFILE - SIXTH STREET - SHEET 2 OF 2
CV-R1019-PLM	ROADWAY PROFILE - SHERIFF DRIVEWAY - SHEET 1 OF 2
CV-R1020-PLM	ROADWAY PROFILE - SHERIFF DRIVEWAY - SHEET 2 OF 2
CV-R3001-PLM	TYPICAL SECTIONS - SIERRA HIGHWAY
CV-R3002-PLM	TYPICAL SECTIONS - EAST AVENUE O
CV-R3003-PLM	TYPICAL SECTIONS - FIFTH STREET EAST
CV-R3004-PLM	TYPICAL SECTIONS - AVENUE Q9, AVENUE Q12 AND FIFTH PLACE EAST
CV-R3005-PLM	TYPICAL SECTIONS - SIXTH STREET EAST

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LANDOLT
DRAWN BY J. MEREDITH
CHECKED BY G. CAMPBELL
IN CHARGE S. SMITH
DATE 10/31/2017

RECORD
PEPD SUBMITTAL

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T·Y·LIN INTERNATIONAL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
GENERAL
INDEX OF DRAWING
SHEET 1 OF 3

CONTRACT NO. HSR13-44
DRAWING NO. GE-B0001
SCALE NO SCALE
SHEET NO.

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ROADWAY, STRUCTURES

DRAWING NO.	DRAWING DESCRIPTION
CV-R3006-PLM	TYPICAL SECTIONS - SHERIFF DRIVEWAY
CV-T4001-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 1 OF 3
CV-T4002-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 2 OF 3
CV-T4003-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 3 OF 3
CV-T4004-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 1 OF 3
CV-T4005-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 2 OF 3
CV-T4006-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 3 OF 3
CV-T4007-PLM	GRADE SEPARATION PLAN - AVENUE Q
CV-T1001-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 1 OF 3
CV-T1002-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 2 OF 3
CV-T1003-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 3 OF 3
CV-T1004-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 1 OF 3
CV-T1005-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 2 OF 3
CV-T1006-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 3 OF 3
CV-T1007-PLM	GRADE SEPARATION PROFILE - AVENUE Q
CV-T3001-PLM	TYPICAL SECTIONS - EAST PALMDALE BOULEVARD (ROUTE 138)
CV-T3002-PLM	TYPICAL SECTIONS - EAST AVENUE R
CV-T3003-PLM	TYPICAL SECTIONS - AVENUE Q
	COVER SHEET - STRUCTURES
ST-B0001-S14	GENERAL. BRIDGES AND ELEVATED STRUCTURES. INDEX OF DRAWINGS.
ST-B0002-S14	GENERAL. BRIDGES AND ELEVATED STRUCTURES. ABBREVIATIONS.
ST-B0003-S14	GENERAL. BRIDGES AND ELEVATED STRUCTURES. ABBREVIATIONS AND LEGEND.
ST-B0004-S14	ALIGNMENT "REFINED SR14/E1/E2". GENERAL. FAULT KEY MAP FOR STRUCTURES.
ST-J1001-S14	LMF NB RAIL CROSSING VIADUCT GENERAL PLAN
ST-J1002-S14	SIERRA HW UNDERPASS (SB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1003-S14	SIERRA HW UNDERPASS (MAIN TRACK) VIADUCT GENERAL PLAN
ST-J1004-S14	SIERRA HW UNDERPASS (NB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1005-S14	AVENUE Q UNDERPASS (SB PLATFORM TRACK) GENERAL PLAN
ST-J1006-S14	AVENUE Q UNDERPASS (MAIN TRACK) GENERAL PLAN
ST-J1007-S14	AVENUE Q UNDERPASS (NB PLATFORM TRACK) GENERAL PLAN
ST-J1201-S14	SIERRA HIGHWAY UNDERPASS (SCRRA) GENERAL PLAN
ST-J1202-S14	SIERRA HIGHWAY UNDERPASS (UPRR) GENERAL PLAN
ST-J1203-S14	AVENUE Q UNDERPASS (SCRRA TRACK 2) GENERAL PLAN
ST-J1204-S14	AVENUE Q UNDERPASS (SCRRA TRACK 1) GENERAL PLAN
ST-J1205-S14	AVENUE Q UNDERPASS (UPRR) GENERAL PLAN

STRUCTURES, STATION PLANS, SYSTEMS, UTILITIES

DRAWING NO.	DRAWING DESCRIPTION
ST-J1401-S14	PALMDALE SUBSECTION PALMDALE BOULEVARD OVERHEAD GENERAL PLAN
ST-J1402-S14	PALMDALE SUBSECTION PALMDALE BOULEVARD OVERCROSSING GENERAL PLAN
ST-J1403-S14	PALMDALE SUBSECTION AVENUE R OVERHEAD GENERAL PLAN
	COVER SHEET - STATION AREA PLANS
	PALMDALE STATION AREA PLANS - TABLE OF CONTENTS
Page 1	PALMDALE STATION GENERAL SITE PLAN
Page 2	PALMDALE STATION DETAILED SITE PLAN
Page 3	PALMDALE STATION CROSS SECTION - WEST-EAST SITE SECTION LOOKING NORTH
Page 4	PALMDALE STATION MASSING MODEL - PERSPECTIVE A
Page 5	PALMDALE STATION MASSING MODEL - PERSPECTIVE B
Page 6	PALMDALE STATION MASSING MODEL - PERSPECTIVE C
Page 7	PALMDALE STATION MASSING MODEL - PERSPECTIVE D
Page 8	PALMDALE STATION PROGRAMMING & AREA REQUIREMENTS TABLE
Page 9	PALMDALE STATION FACILITY SIZING TABLE
Page 10	PALMDALE STATION FACILITY SIZING TABLE
Page 11	PALMDALE STATION FACILITY SIZING TABLE
	COVER SHEET - RAILWAY SYSTEMS
TP-B0001	INDEX OF DRAWINGS
TP-B0002	ABBREVIATIONS
TP-B0003	ABBREVIATIONS AND LEGEND
TP-D0001-S14	TRACTION POWER FACILITIES - LOCATION LAYOUT
TP-B6001-PLM	TRACTION POWER FACILITIES - KEY MAP
TP-O4001-S14	TRACTION POWER FACILITIES - PARALLELING STATION 1
TP-F4001-S14	TRACTION CONTROL SYSTEM - STANDALONE RADIO SITE 1
TC-E6001	INTERLOCKING SITES - PALMDALE STATION
TC-B6001-PLM	RAILWAY SYSTEMS - KEY MAP
TC-F4001-PLM	INTERLOCKING SITES - STA 132+00 TO STA 145+00
TC-F4002-PLM	INTERLOCKING SITES - STA 153+00 TO STA 165+00
TC-F4003-PLM	INTERLOCKING SITES - STA 251+00 TO STA 266+00
TC-F4004-PLM	INTERLOCKING SITES - STA 266+00 TO STA 276+00
	COVER SHEET - UTILITIES
UT-B0001-PLM	RELOCATION UTILITY PLANS - INDEX OF DRAWINGS
UT-B0002-PLM	RELOCATION UTILITY PLANS - ABBREVIATIONS AND LEGEND
UT-B0003-PLM	RELOCATION UTILITY PLANS - KEY MAP
UT-C4001-PLM	RELOCATION UTILITY PLANS - STA 100+00 TO STA 120+00
UT-C4002-PLM	RELOCATION UTILITY PLANS - STA 120+00 TO STA 145+00

UTILITIES

DRAWING NO.	DRAWING DESCRIPTION
UT-C4003-PLM	RELOCATION UTILITY PLANS - STA 145+00 TO STA 170+00
UT-C4004-PLM	RELOCATION UTILITY PLANS - STA 170+00 TO STA 195+00
UT-C4005-PLM	RELOCATION UTILITY PLANS - STA 195+00 TO STA 220+00
UT-C4006-PLM	RELOCATION UTILITY PLANS - STA 220+00 TO STA 245+00
UT-C4007-PLM	RELOCATION UTILITY PLANS - STA 245+00 TO STA 270+00
UT-C4501-PLM	RELOCATION UTILITY PLANS
UT-C4502-PLM	RELOCATION UTILITY PLANS
UT-C4503-PLM	RELOCATION UTILITY PLANS
UT-C4504-PLM	RELOCATION UTILITY PLANS
UT-C4505-PLM	RELOCATION UTILITY PLANS
UT-C4506-PLM	RELOCATION UTILITY PLANS
UT-C4507-PLM	RELOCATION UTILITY PLANS
UT-C4508-PLM	RELOCATION UTILITY PLANS
UT-C4509-PLM	RELOCATION UTILITY PLANS
UT-C4510-PLM	RELOCATION UTILITY PLANS
UT-C4511-PLM	RELOCATION UTILITY PLANS
UT-C4512-PLM	RELOCATION UTILITY PLANS

katharine.baker@tylin.com 2/5/2020 6:42:45 AM Projects\701206.00_CHSRBP\00 CADD\Working Files\Katie Baker\508 Remediation\BFSSA-INDEX-3

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LANDOLT
DRAWN BY J. MEREDITH
CHECKED BY G. CAMPBELL
IN CHARGE S. SMITH
DATE 10/31/2017

RECORD
PEPD SUBMITTAL

NOT FOR CONSTRUCTION

T·Y·LIN INTERNATIONAL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
GENERAL
INDEX OF DRAWING
SHEET 3 OF 3

CONTRACT NO. HSR13-44
DRAWING NO. GE-B0003
SCALE NO SCALE
SHEET NO.

California High-Speed Rail Authority

Palmdale Subsection

DRAFT PEPD REV01

Track Alignment Plans

February 2019

CALIFORNIA High-Speed Rail Authority

U.S. Department of Transportation Federal Railroad Administration

HIGH SPEED RAIL SHEETS

DRAWING NO.	DESCRIPTION	SHEET NO.
TT-B0001-PLM	INDEX OF DRAWINGS	
TT-B0002-PLM	ABBREVIATIONS	
TT-B0003-PLM	ABBREVIATIONS AND LEGEND	
TT-C6001A-PLM	HIGH SPEED RAIL PLANS - KEY MAP	
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TT-D1003A-PLM	PLAN AND PROFILE - STA 140+00.00 TO STA 165+00.00	
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TT-D1010-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3040+00.00 TO STA 3065+00.00	
TT-D1011-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3065+00.00 TO STA 3090+00.00	
TT-D1012-PLM	SB PLATFORM TRACK - PLAN AND PROFILE - STA 3090+00.00 TO STA 3092+82.93	
TT-D1013-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4000+00.00 TO STA 4015+00.00	
TT-D1014-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4015+00.00 TO STA 4040+00.00	
TT-D1015-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4040+00.00 TO STA 4065+00.00	
TT-D1016-PLM	NB PLATFORM TRACK - PLAN AND PROFILE - STA 4065+00.00 TO STA 4090+00.00	
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
GENERAL
INDEX OF DRAWINGS

CONTRACT NO. HSR14-42
DRAWING NO. TT-B0001-PLM
SCALE NO SCALE
SHEET NO.

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
℄	CENTERLINE
CL2	CLASS 2
CL-6	CHAIN LINK FENCE (6 FT)
CLR	CLEAR, CLEARANCE
CM	CORRUGATED METAL
CMP	CORRUGATED METAL PIPE
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
EQ	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
HDC	HIGH DESERT CORRIDOR
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
LCB	LEAN CONCRETE BASE
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

P CONTINUED

PRF	PAVEMENT REINFORCING FABRIC
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED, PARALLEL STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVP	MAINTENANCE VEHICLE PULLOUT

Q

QTY	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
R/W, ROW	RIGHT OF WAY
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
RWY	RAILWAY

S

S	SOUTH, SUPPLEMENT, STATION LINE
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SPIRAL TO CURVE
SCRRA	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND
SECT	SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE, SPIRAL TO SPIRAL

S CONTINUED

SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SRS	STAND ALONE RADIO SITE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBR	TIMBER
TC	TOP OF CURB, TANGENT TO CURVE
TCB	TRAFFIC CONTROL BOX
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUPPLY STATION
TRANS	TRANSITION, TRANSVERSE
	TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL
TSMF	TERMINAL STORAGE AND MAINTENANCE FACILITY
TYP	TYPICAL
TOR	TOP OF RAIL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE

V

V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
W/	WITH

X

X SEC	CROSS SECTION
XING	CROSSING

Y

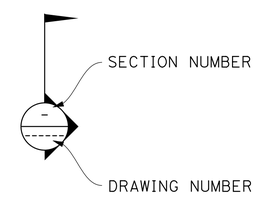
YR	YEAR
YRS	YEARS

GENERAL NOTES

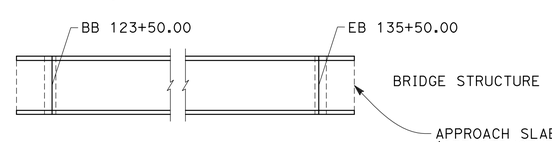
1. TRACK PROFILE IS DESIGNED AS CENTERLINE AT THE TOP OF THE SB LOW RAIL.
2. MINIMUM VERTICAL CLEARANCE REQUIREMENTS TO CANALS AND DITCHES ARE NOT KNOWN. FURTHER CONSULTATION WITH THE WATERCOURSE OWNERS WILL BE REQUIRED TO DETERMINE NECESSARY CLEARANCES. 3'-0" FREEBOARD HAS BEEN ALLOWED OVER THE 100-YEAR FLOOD LEVEL ELEVATIONS OF THE WASHES AND CREEKS.
3. THE FOLLOWING ARE ROADWAY DESIGN STANDARD AND GUIDELINES:
   A. CALTRANS HIGHWAY DESIGN MANUAL (2006)
   B. AASHTO ROADSIDE DESIGN GUIDE (2006)
   C. APPLICABLE LOCAL DESIGN STANDARD AND GUIDELINES (I.E., CITY OF LOS ANGELES)
4. FOR ROADWAY IMPROVEMENTS, SEE ROADWAY PLANS.
5. FINAL SLOPES TO BE DEFINED AT A LATER STAGE, WHEN THE GEOTECHNICAL STUDY IS AVAILABLE.
6. STRUCTURE DIMENSIONS ARE INDICATIVE.

LEGEND

PLAN



- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY
- PROPOSED RETAINING WALL
- LIMITS OF EMBANKMENT (FILL)
- LIMITS OF EXCAVATION (CUT)
- PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
- PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
- -e-(oh)- EXISTING OVERHEAD HIGH VOLTAGE POWER LINES
- HIGH SPEED TURNOUT
- SCRRA TURNOUT
- BUMPING POST
- (1) CURVE DATA (HSR ALIGNMENT)
- 13 MILEPOST MARKER



PROFILE

- PROPOSED TRACK ELEVATION
- ORIGINAL GROUND (OG)
- OTHER TRACKS
- HIGH SPEED TURNOUT
- STRUCTURAL CLEARANCE ENVELOPE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. TT-B0003-PLM
SCALE NO SCALE
SHEET NO.

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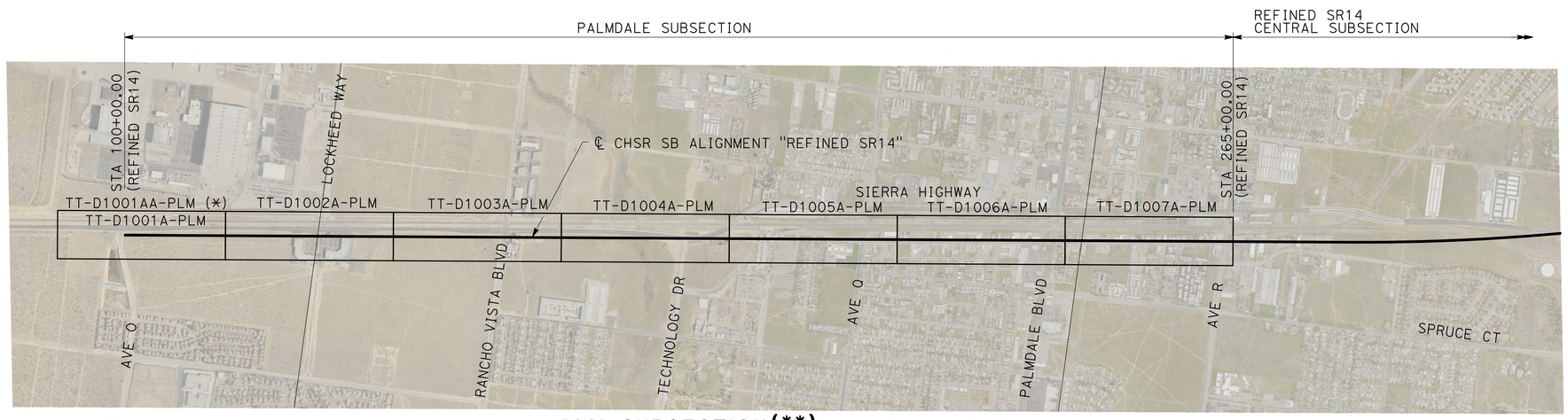
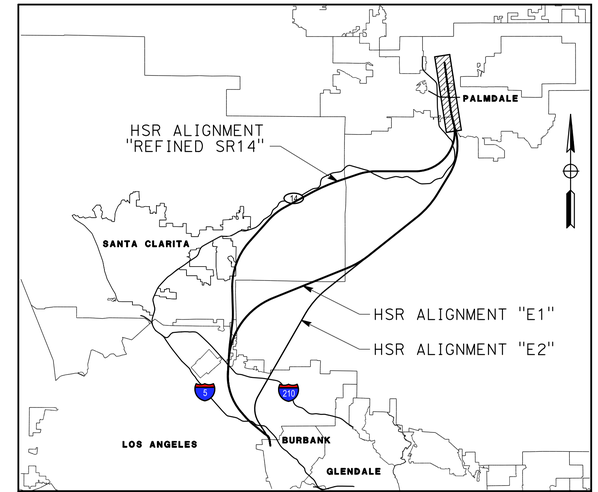


PLM SUBSECTION(**)



VICINITY MAP

(*) TWO OPTIONS TO CONNECT WITH B-P SECTION ALTERNATIVES.

(**) PLM ENGINEERING SUBSECTION DIFFERENT FROM PLM ENVIRONMENTAL SUBSECTION.

1000 0 1000 2000

1"=1000'

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY JC ALAMILLA
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IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
HIGH SPEED RAIL PLANS
KEY MAP

CONTRACT NO. HSR14-42
DRAWING NO. TT-C6001A-PLM
SCALE AS SHOWN
SHEET NO.

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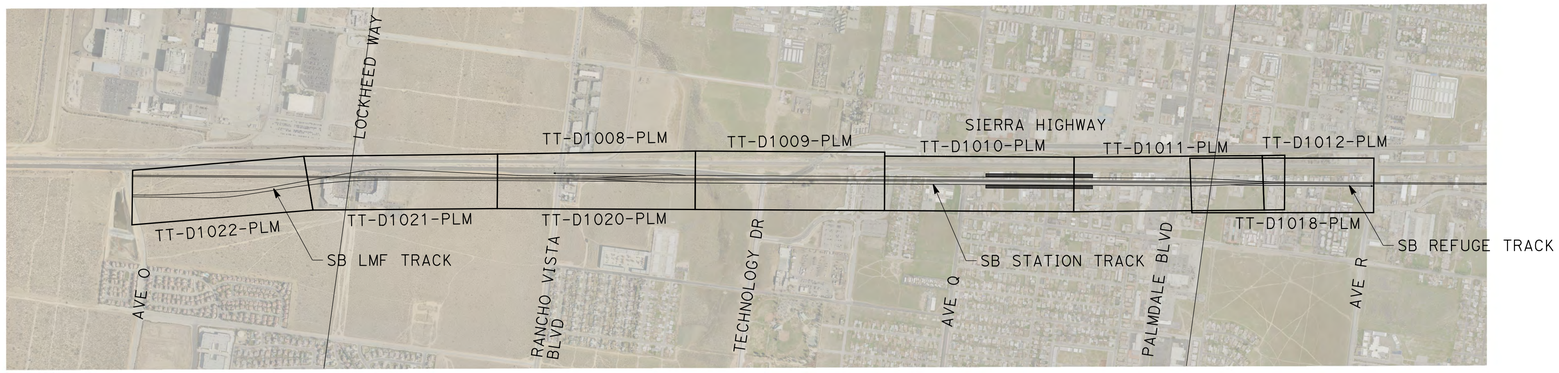
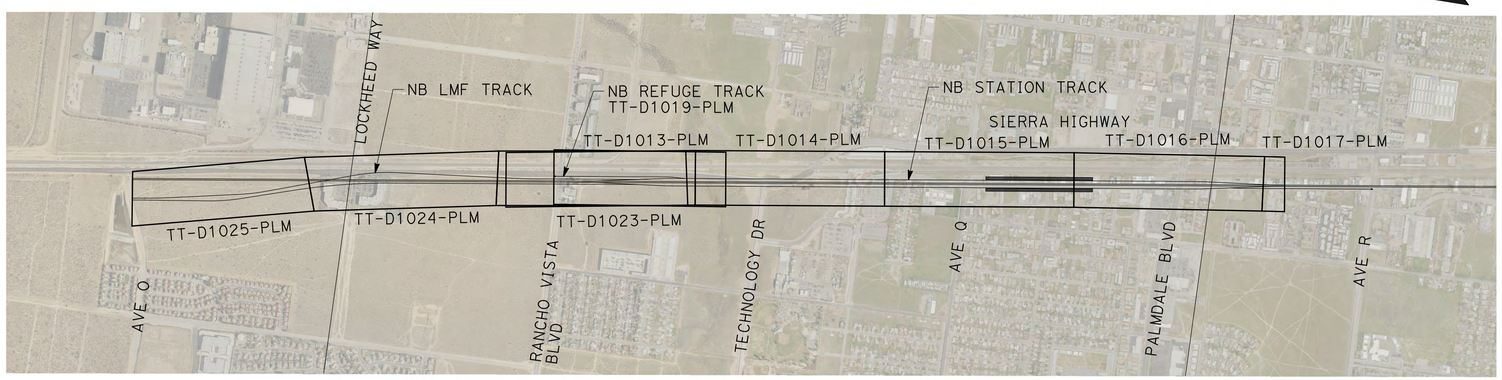
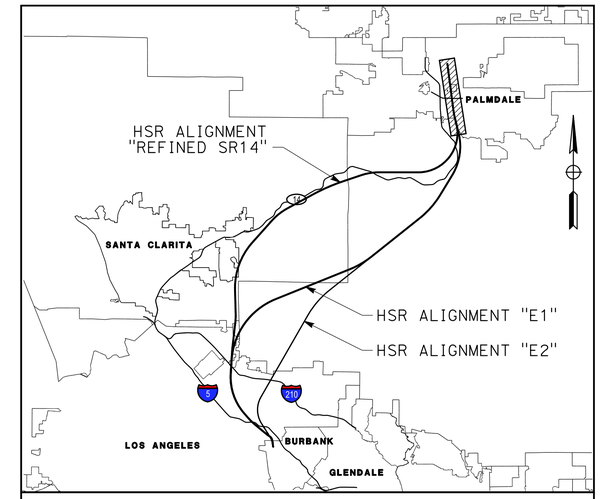


PALMDALE - SB STATION TRACKS



PALMDALE - NB STATION TRACKS



VICINITY MAP

1000 0 1000 2000
1"=1000'

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IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. TT-C6002-PLM
SCALE AS SHOWN
SHEET NO.

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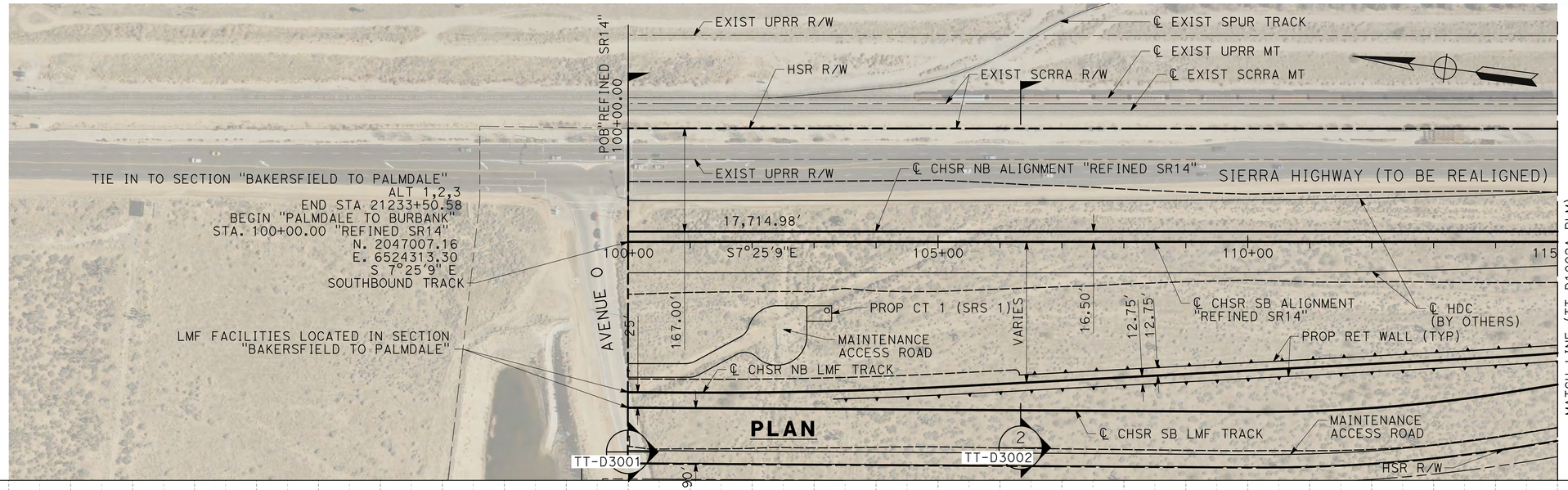
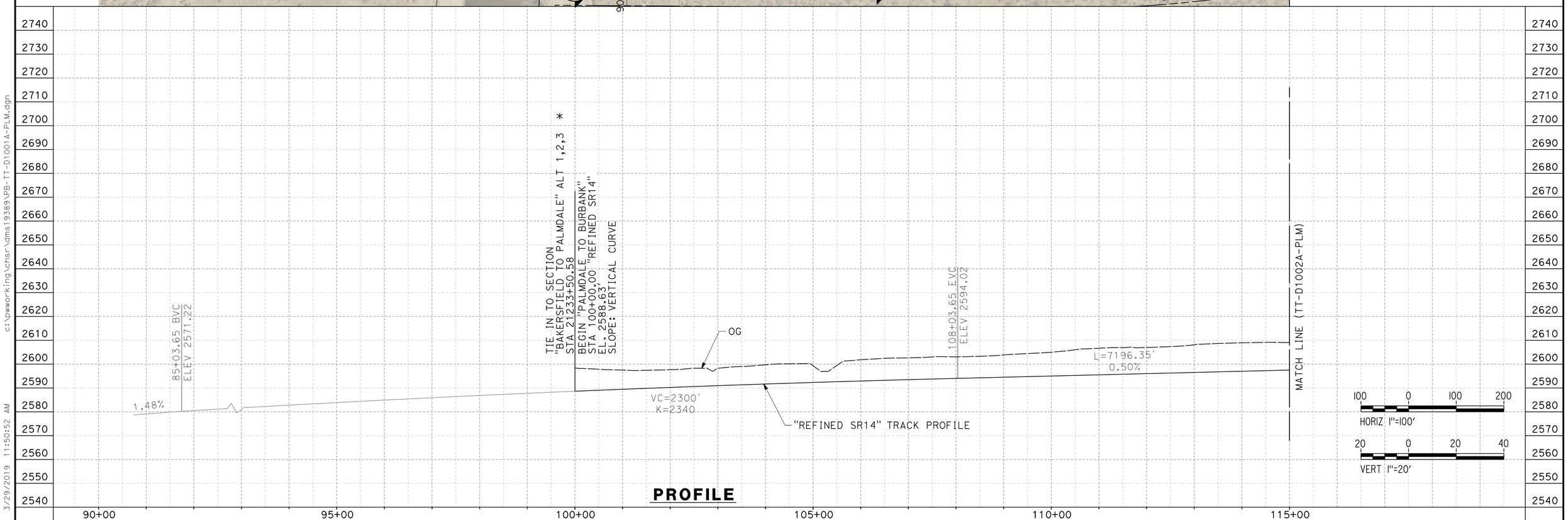


NOTE:

* THIS DRAWING TT-D1001A-PLM SHOWS TIE IN WITH "BAKERSFIELD TO PALMDALE" ALT 1, 2, 3.



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PALMDALE SUBSECTION
DRAFT PEPD REV 01
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 100+00.00 TO STA 115+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1001A-PLM
SCALE AS SHOWN
SHEET NO.

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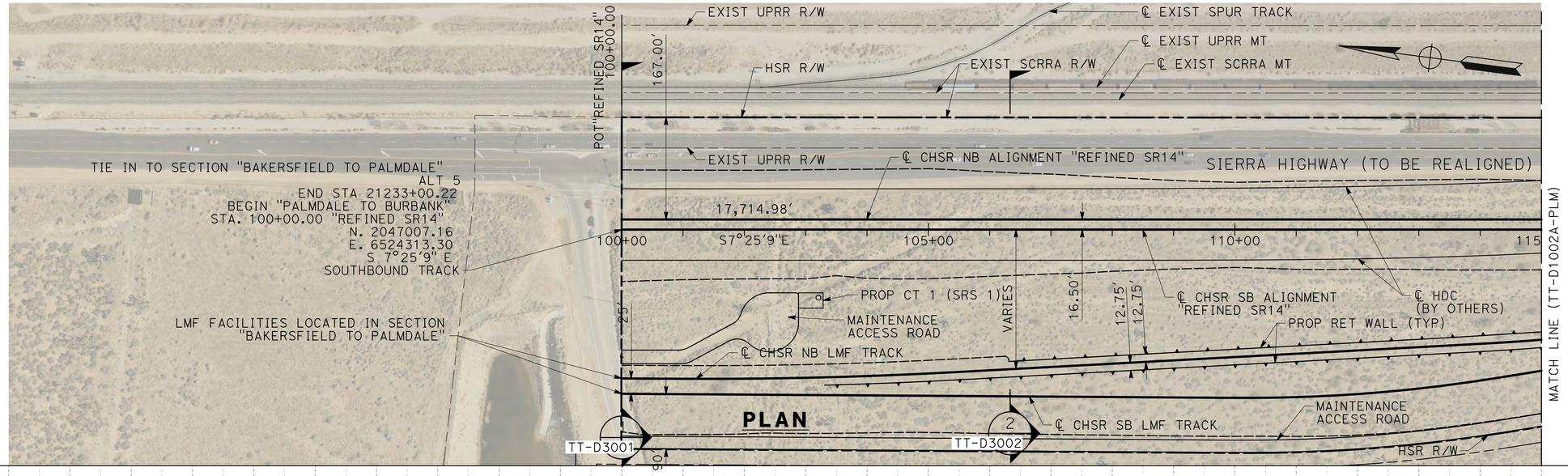
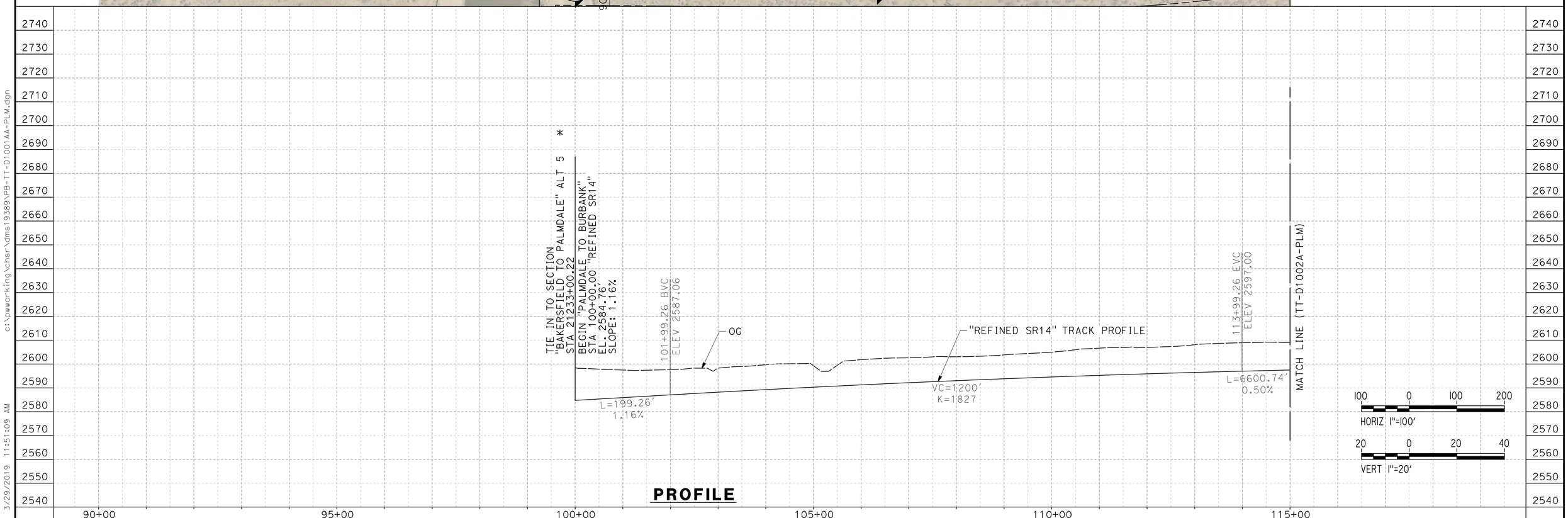


NOTE:

* THIS DRAWING TT-D1001AA-PLM SHOWS TIE IN WITH "BAKERSFIELD TO PALMDALE" ALT 5.



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PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 100+00.00 TO STA 115+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1001AA-PLM
SCALE AS SHOWN
SHEET NO.

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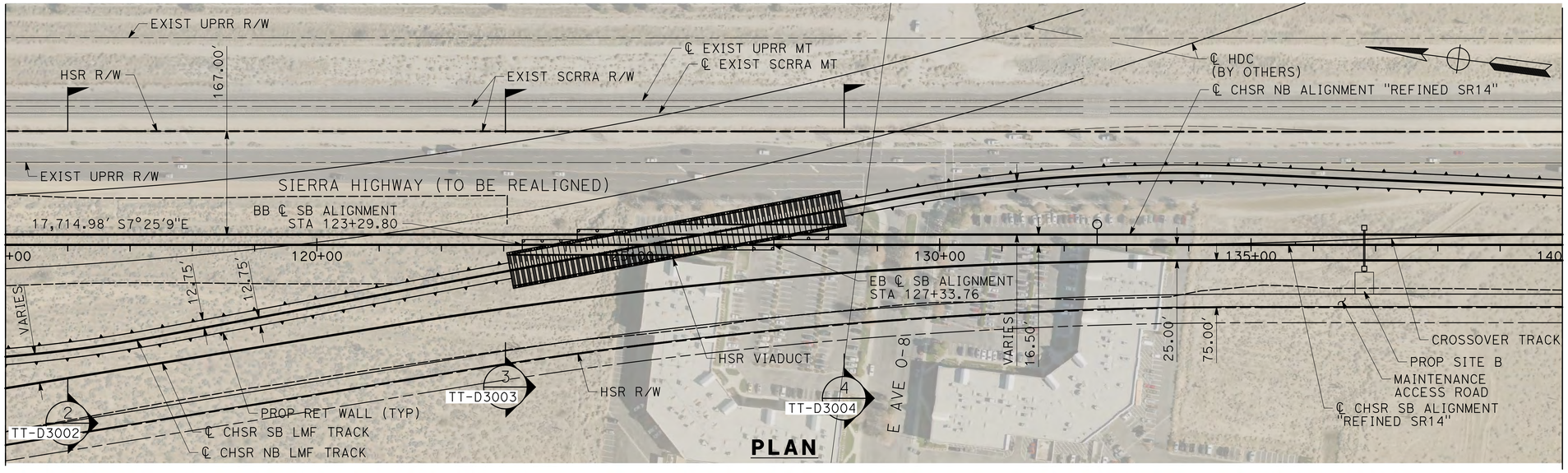
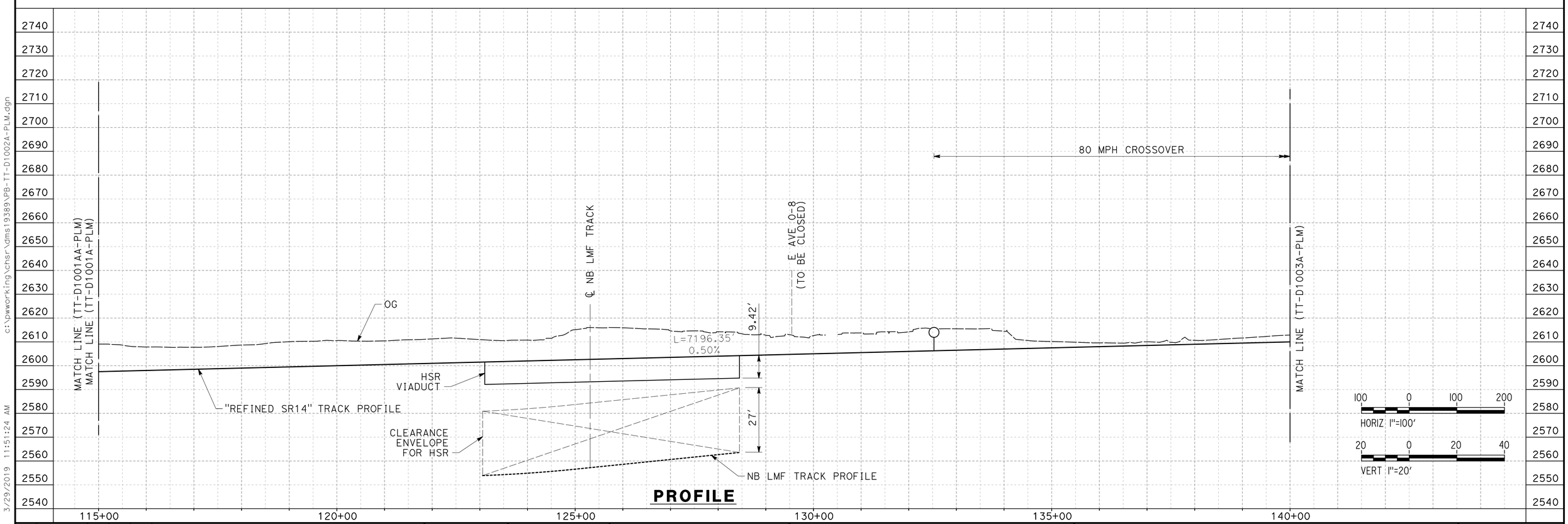


PLAN



PROFILE

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CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 115+00.00 TO STA 140+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1002A-PLM
SCALE AS SHOWN
SHEET NO.

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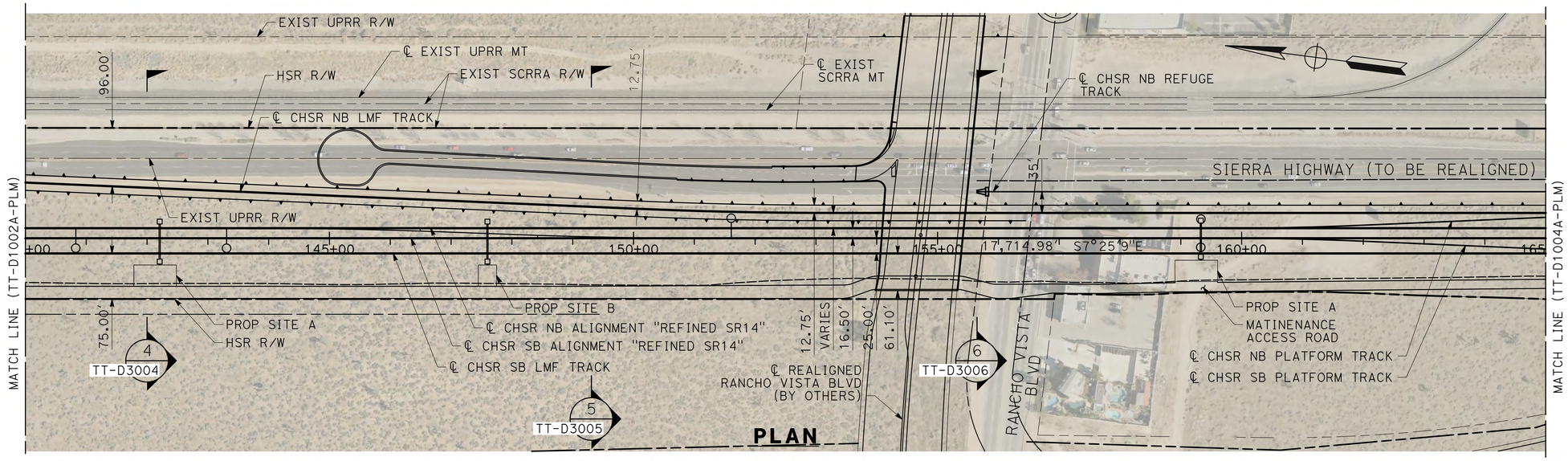

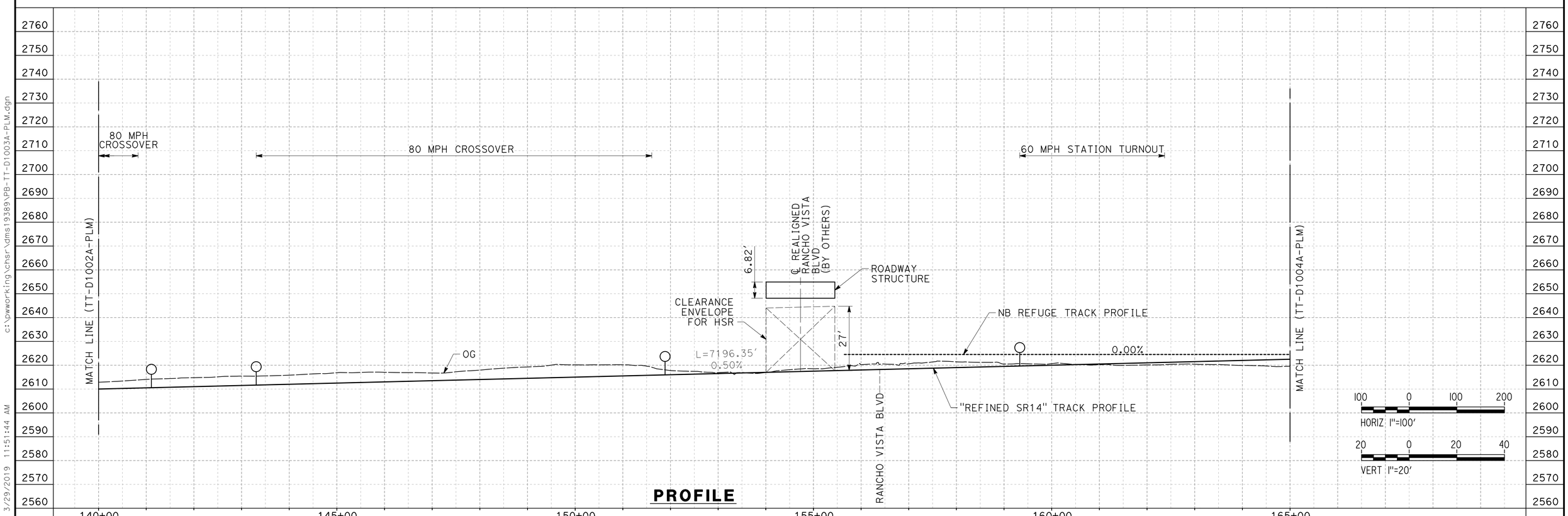

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DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 140+00.00 TO STA 165+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1003A-PLM
SCALE AS SHOWN
SHEET NO.

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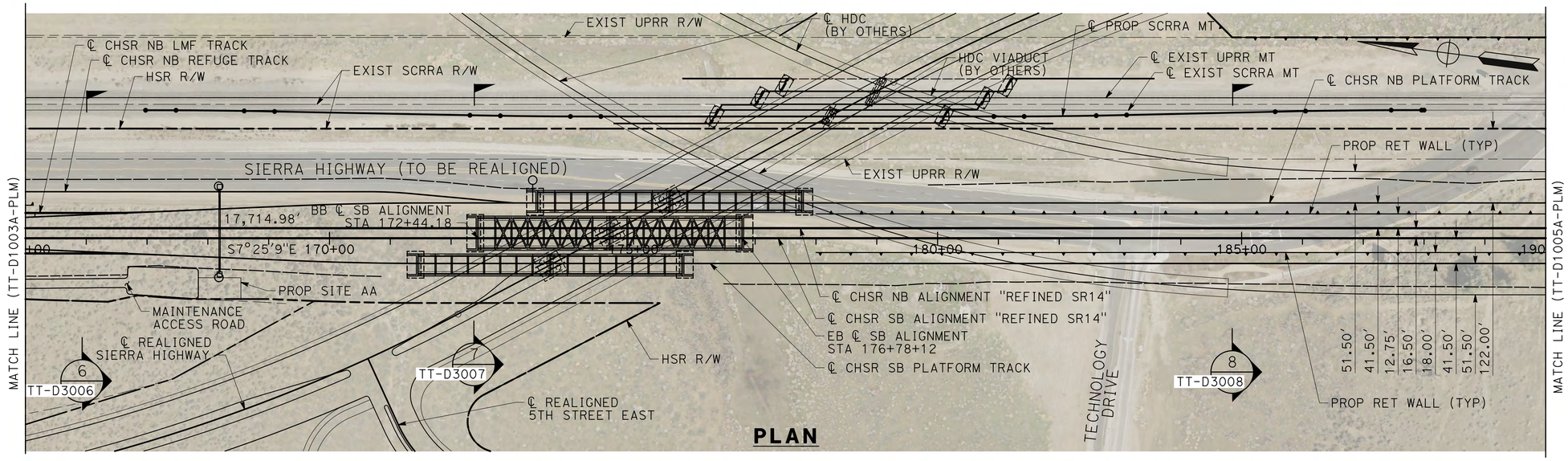
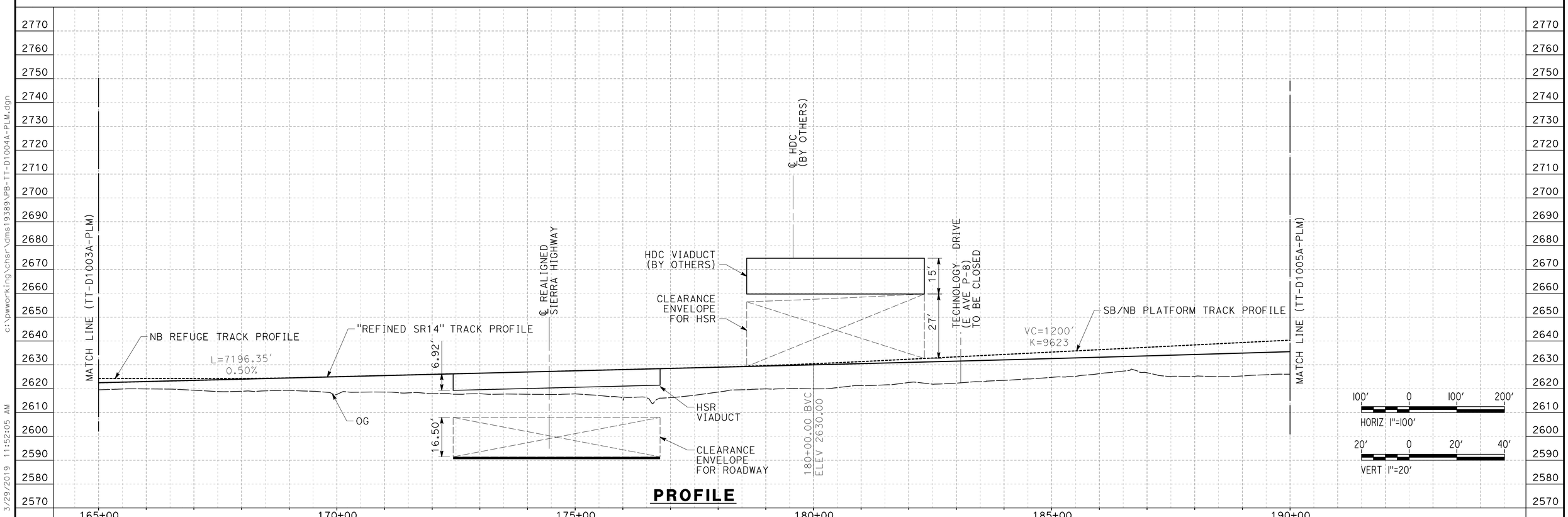


PLAN



PROFILE

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DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 165+00.00 TO STA 190+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1004A-PLM
SCALE AS SHOWN
SHEET NO.

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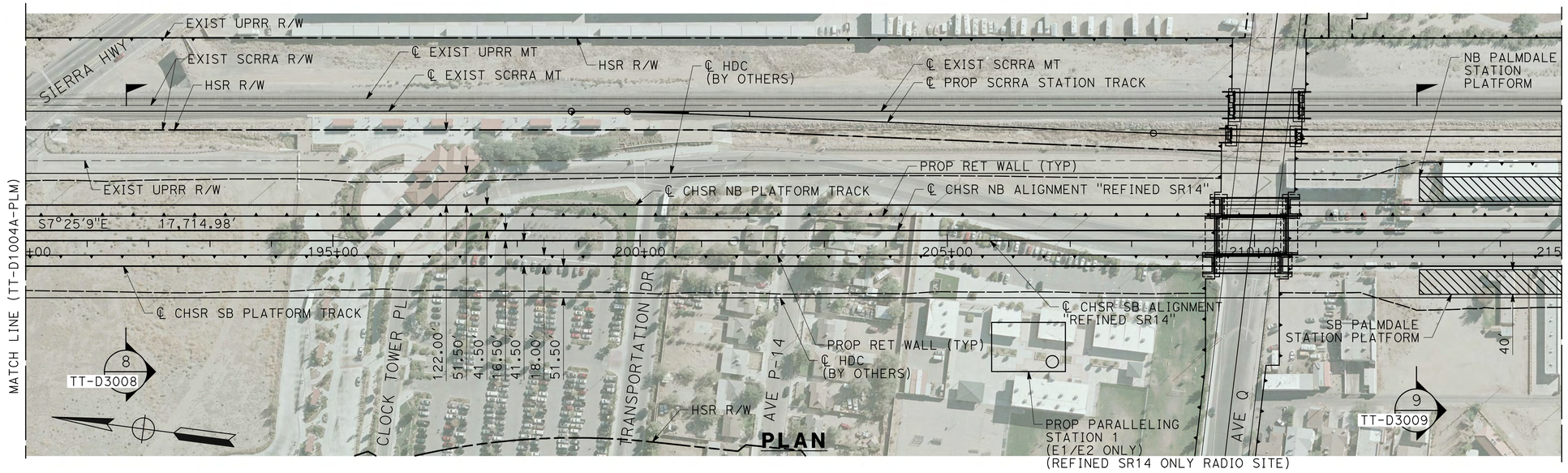

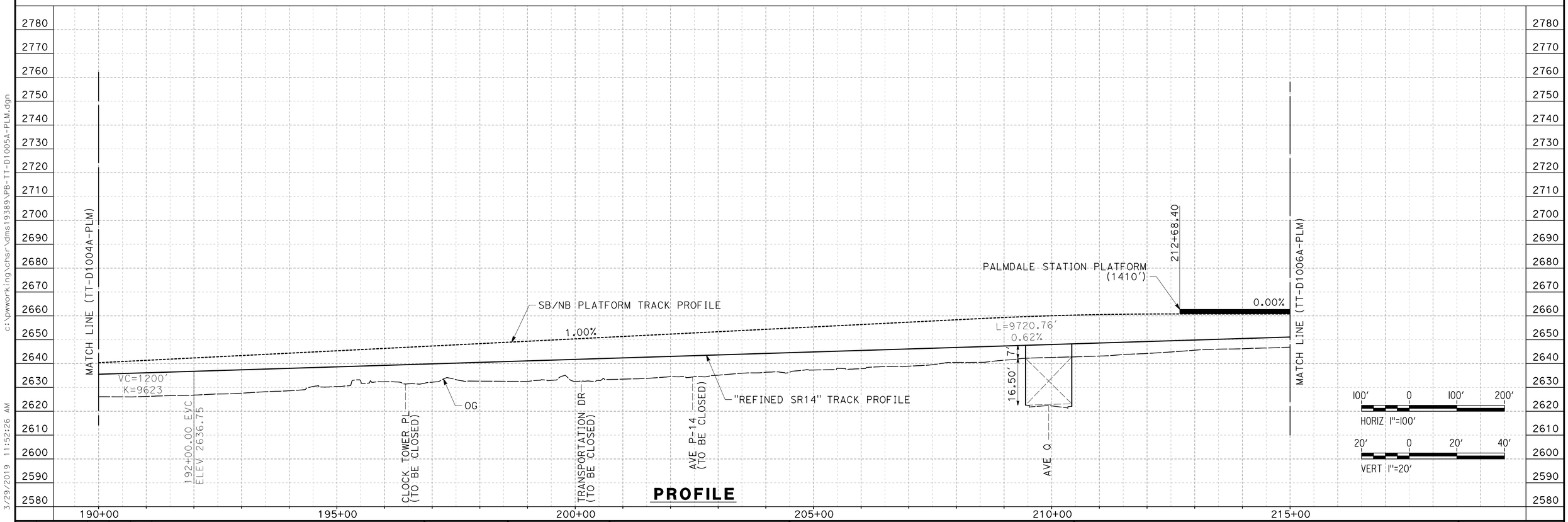

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 190+00.00 TO STA 215+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1005A-PLM
SCALE AS SHOWN
SHEET NO.

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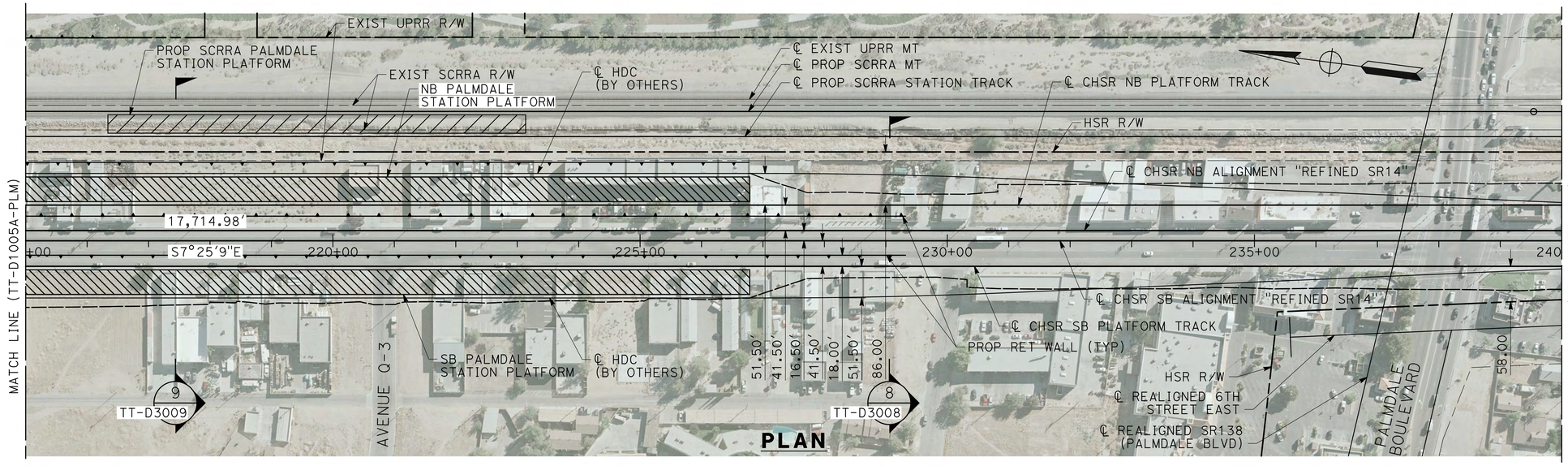

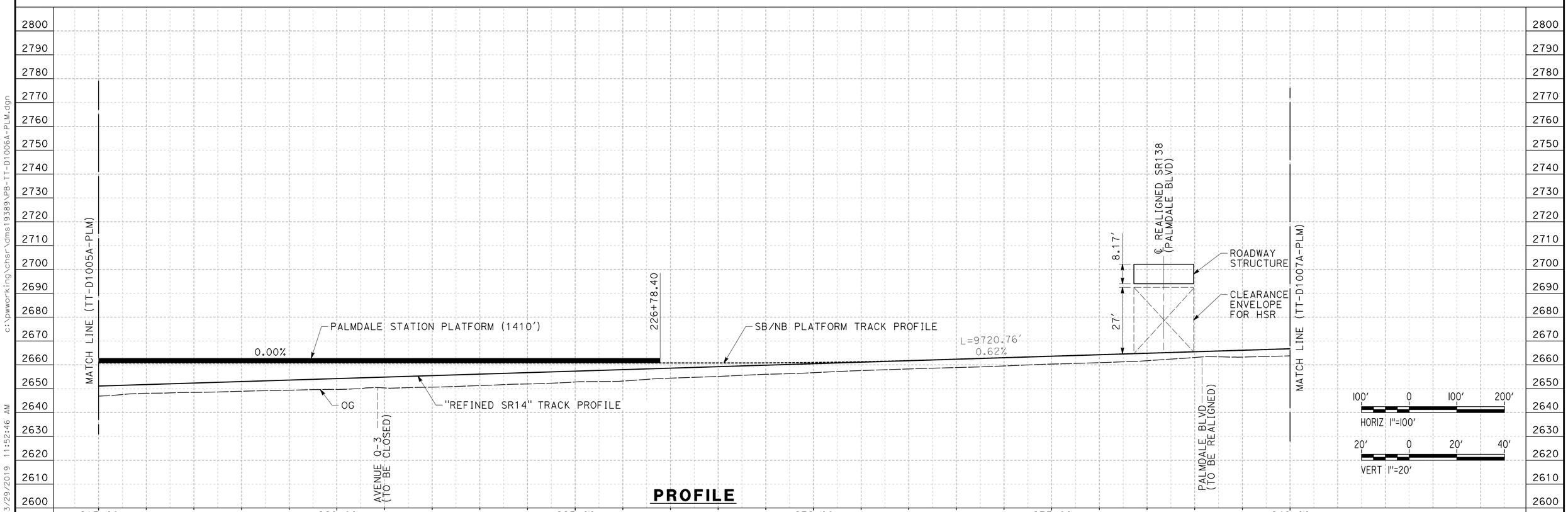

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 215+00.00 TO STA 240+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1006A-PLM
SCALE AS SHOWN
SHEET NO.

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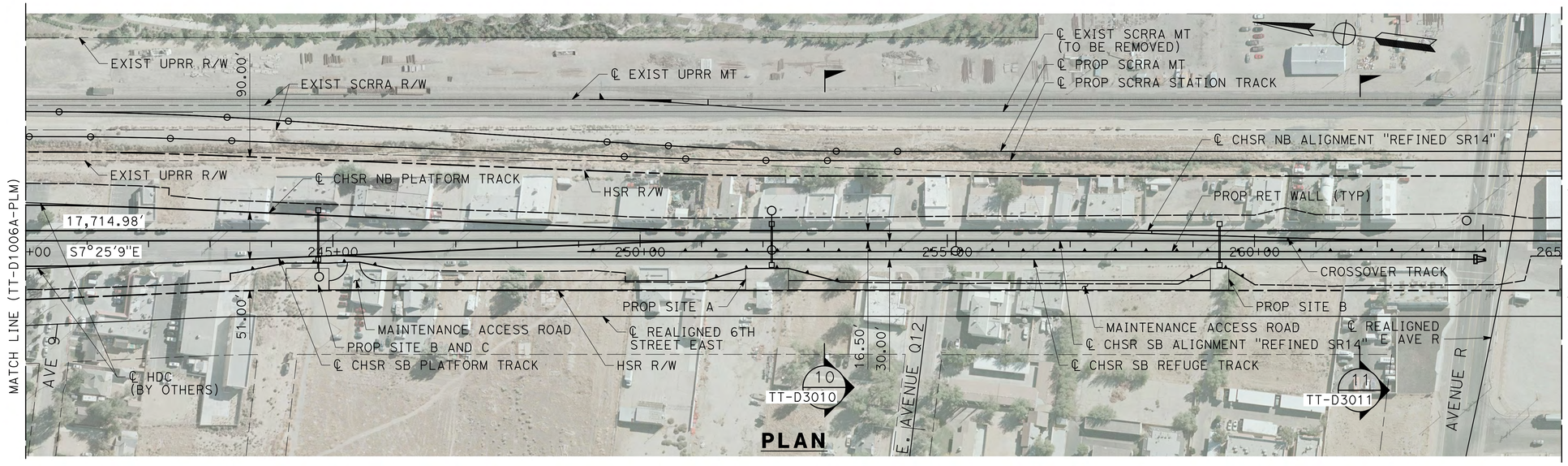

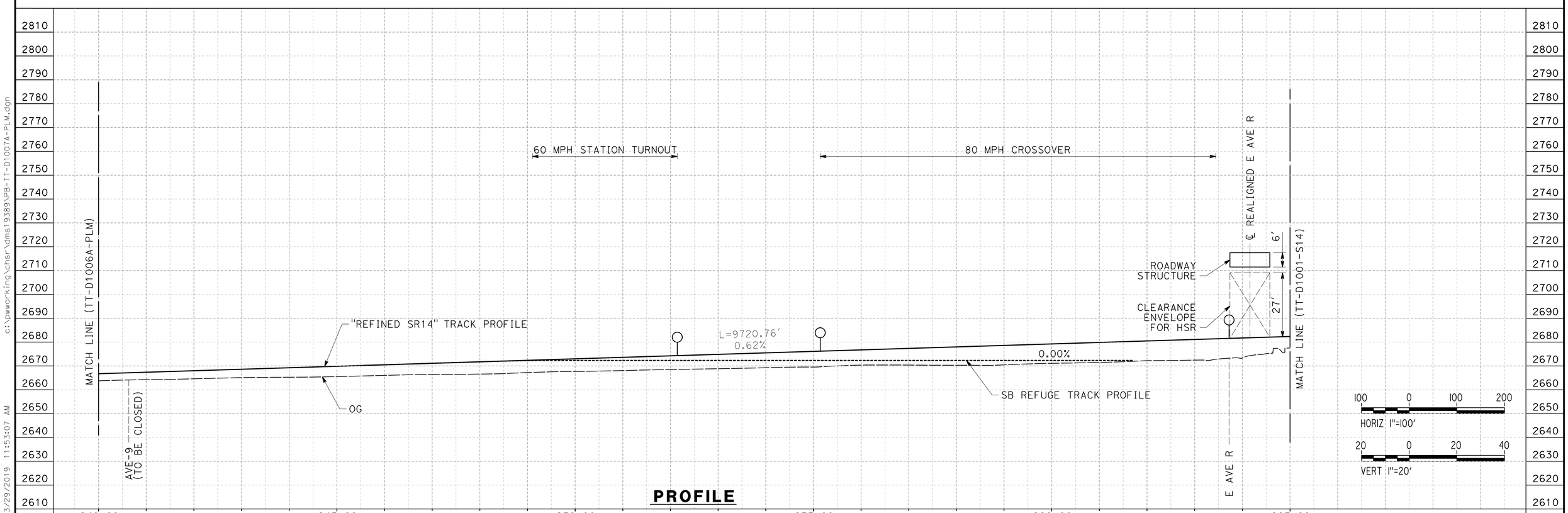

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 240+00.00 TO STA 265+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1007A-PLM
SCALE AS SHOWN
SHEET NO.

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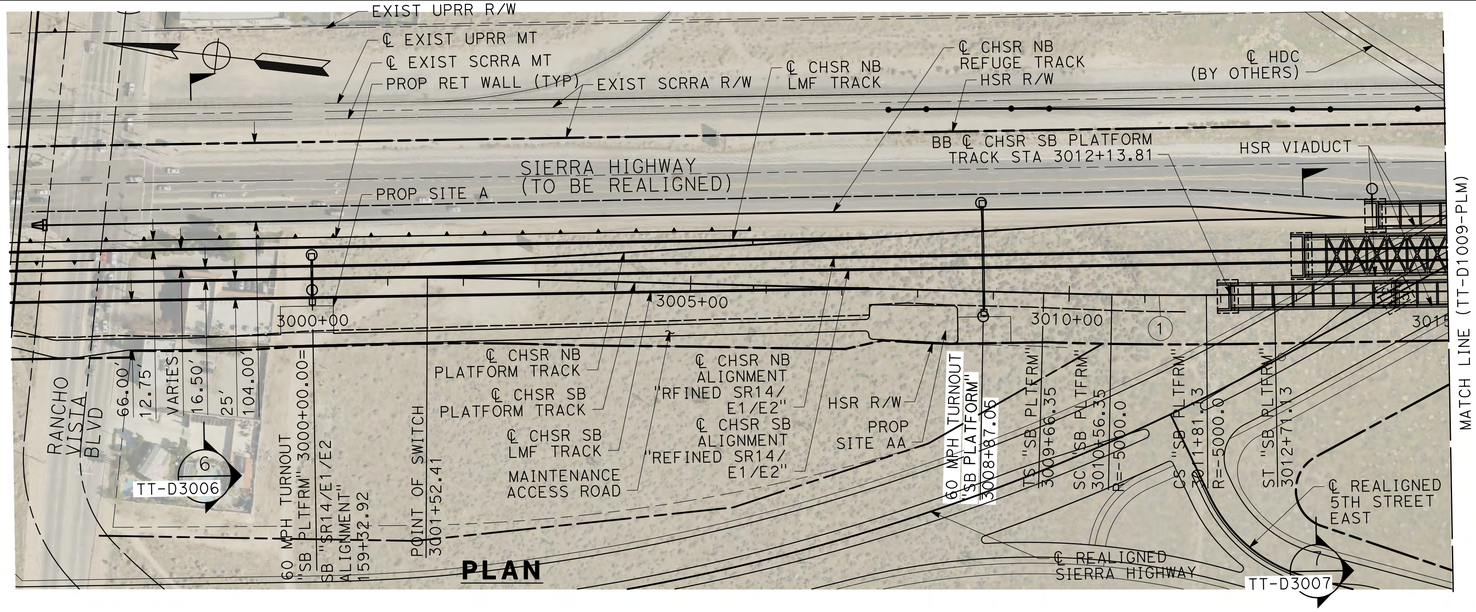

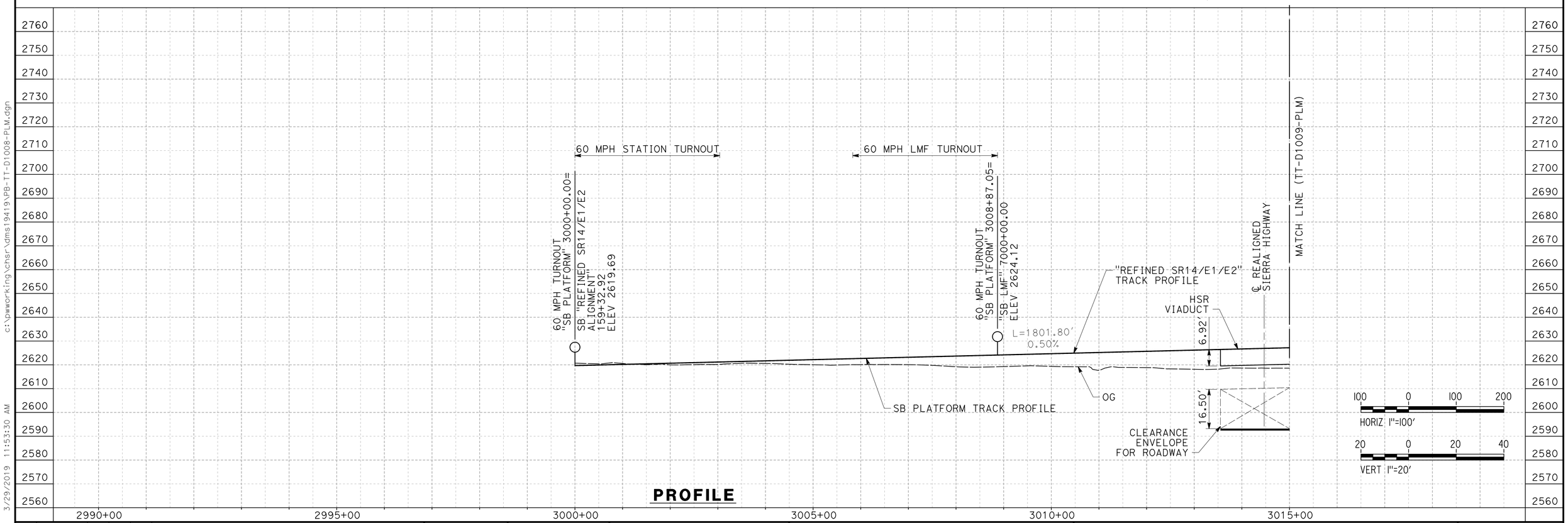

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB PLATFORM TRACK
PLAN AND PROFILE
STA 3000+00.00 TO STA 3015+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1008-PLM
SCALE AS SHOWN
SHEET NO.

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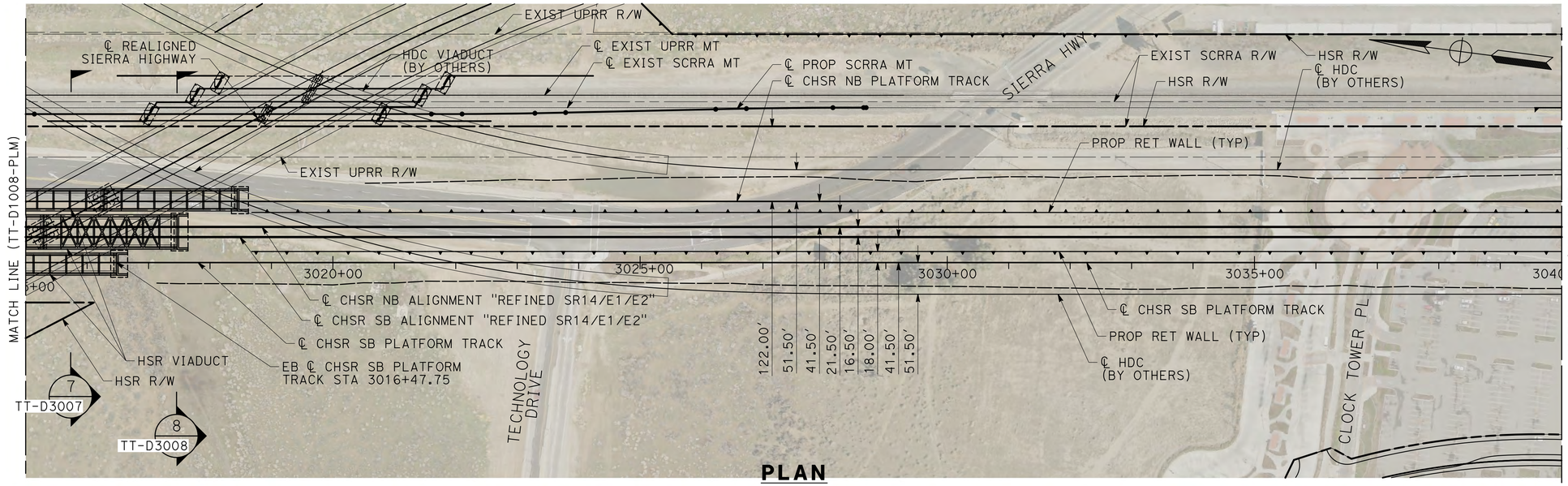
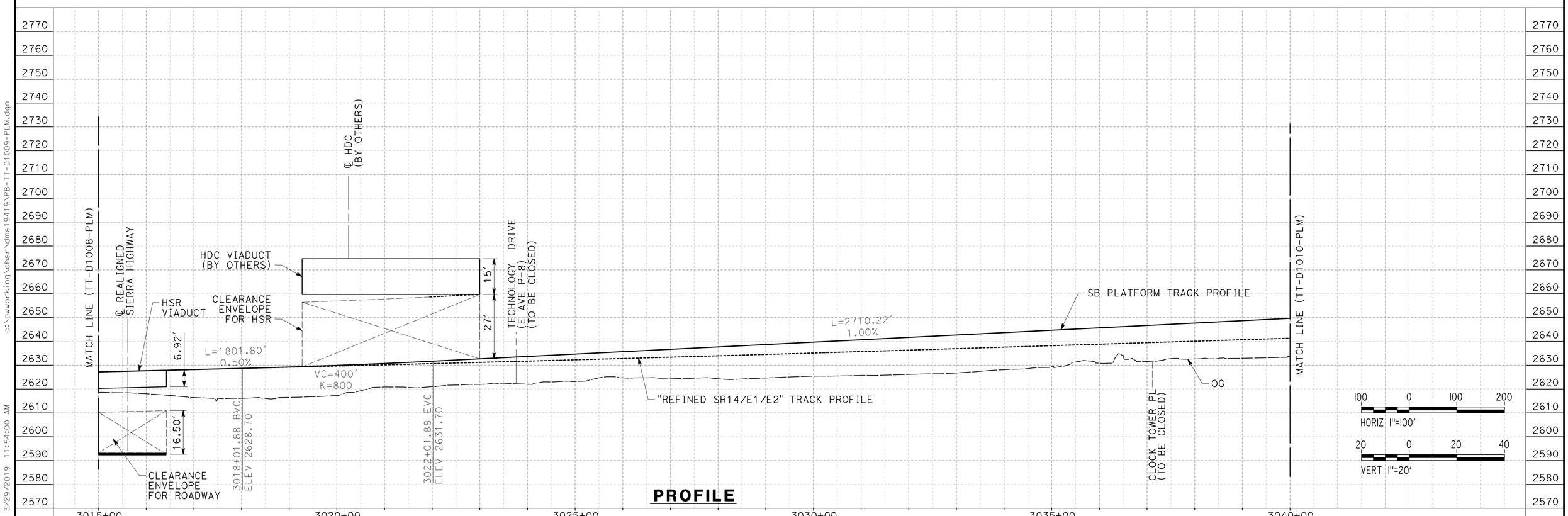


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB PLATFORM TRACK
PLAN AND PROFILE
STA 3015+00.00 TO STA 3040+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1009-PLM
SCALE AS SHOWN
SHEET NO.

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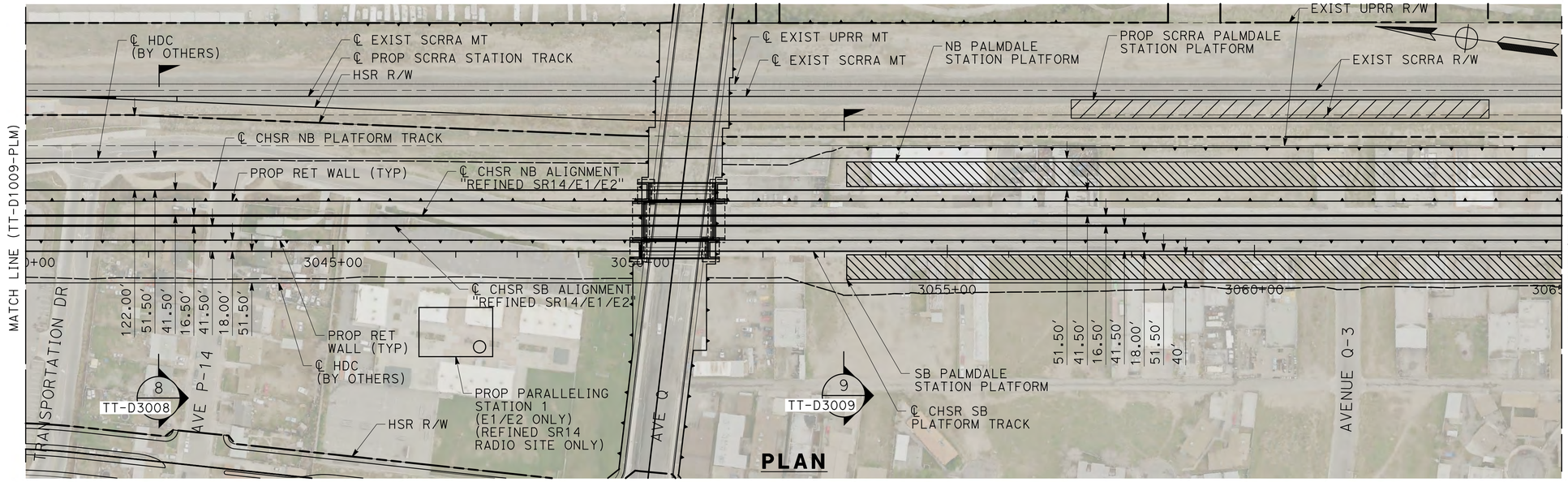

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB PLATFORM TRACK
PLAN AND PROFILE
STA 3040+00.00 TO STA 3065+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1010-PLM
SCALE AS SHOWN
SHEET NO.

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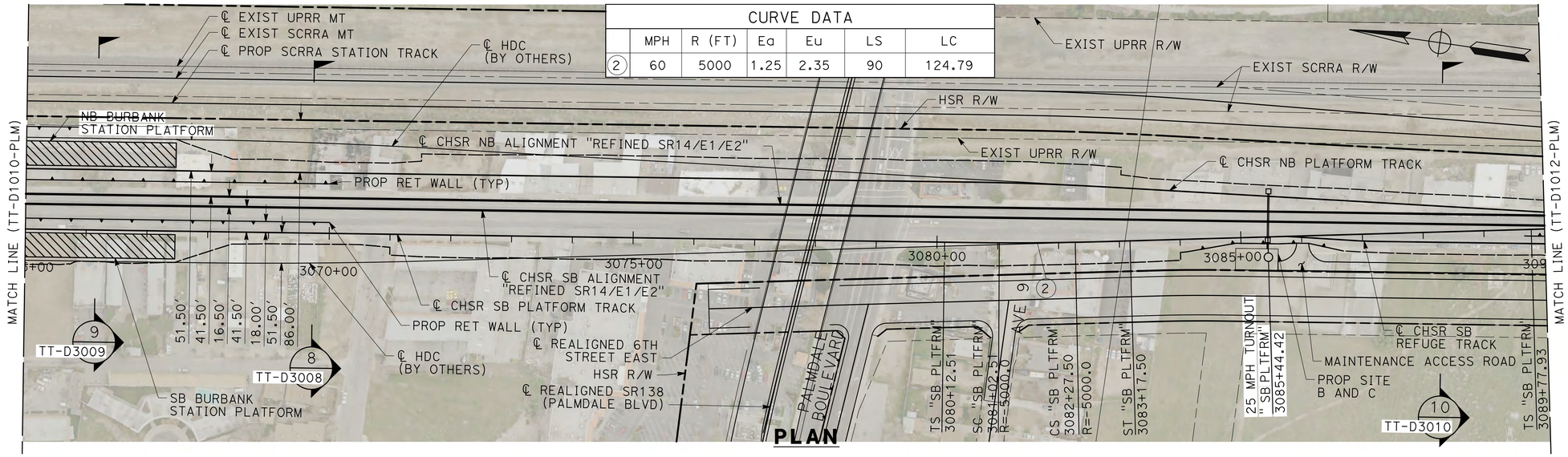
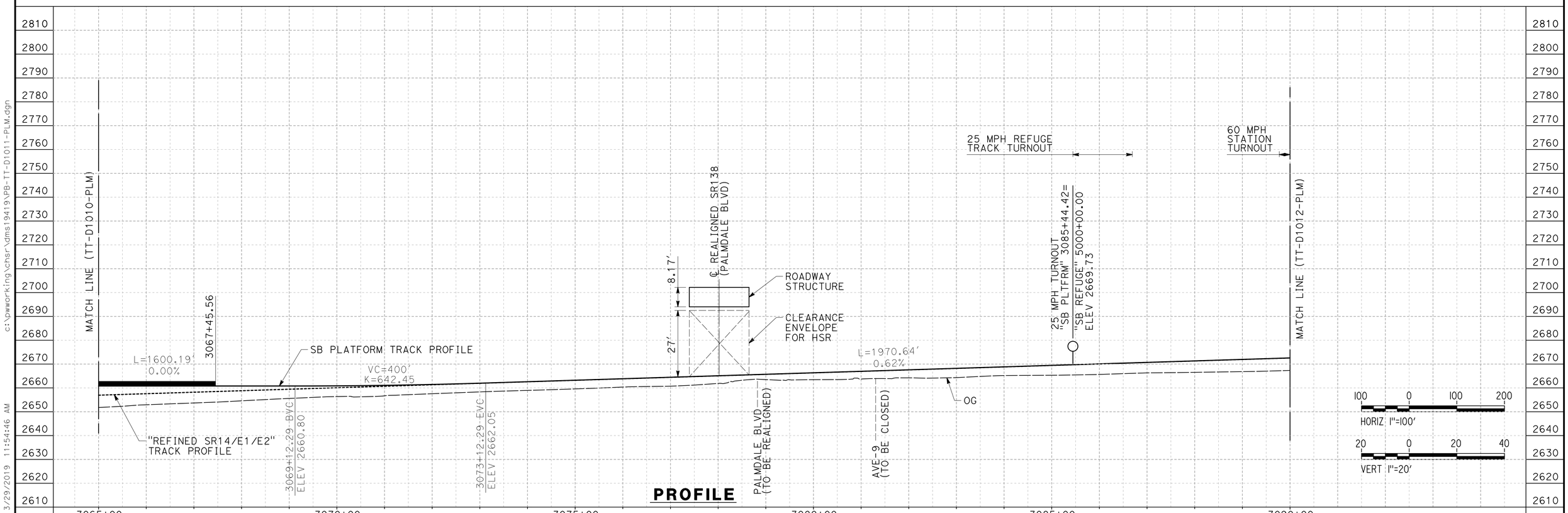


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB PLATFORM TRACK
PLAN AND PROFILE
STA 3065+00.00 TO STA 3090+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1011-PLM
SCALE AS SHOWN
SHEET NO.

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3/29/2019 11:54:46 AM
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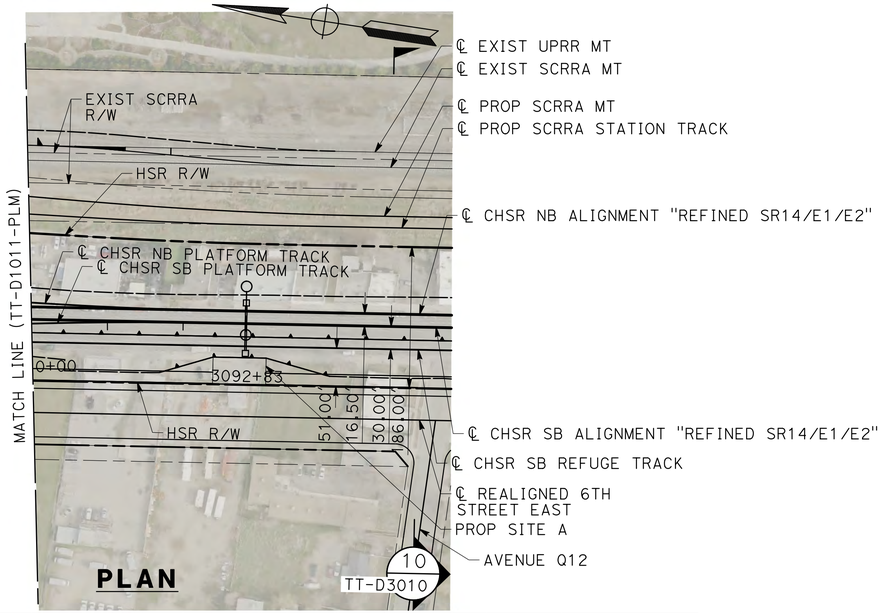
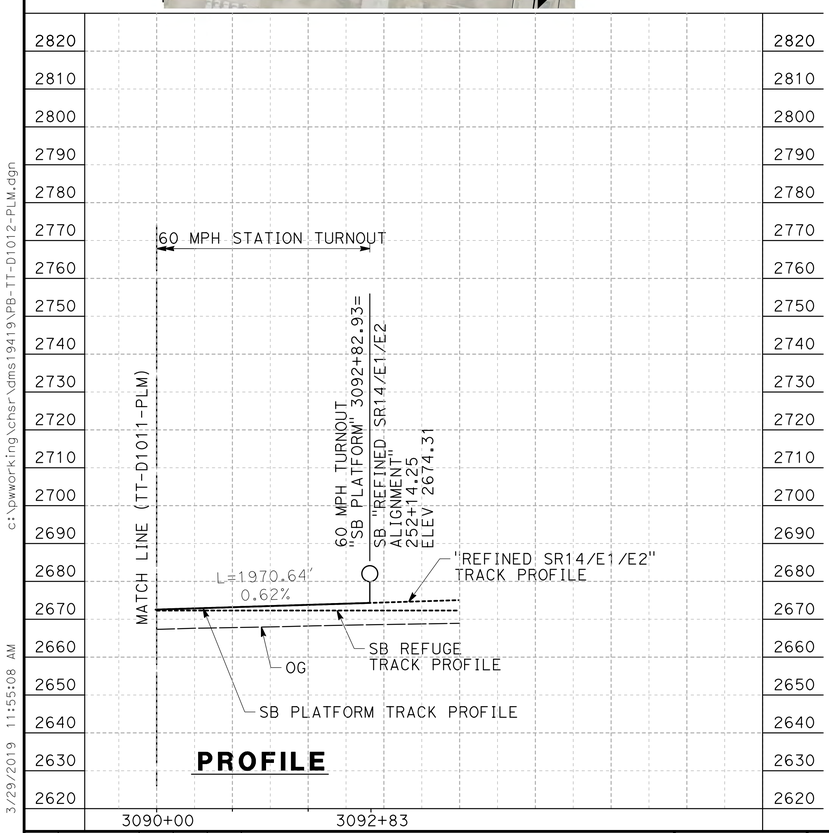
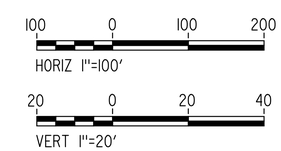


PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB PLATFORM TRACK
PLAN AND PROFILE
STA 3090+00.00 TO STA 3092+82.93

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1012-PLM
SCALE AS SHOWN
SHEET NO.

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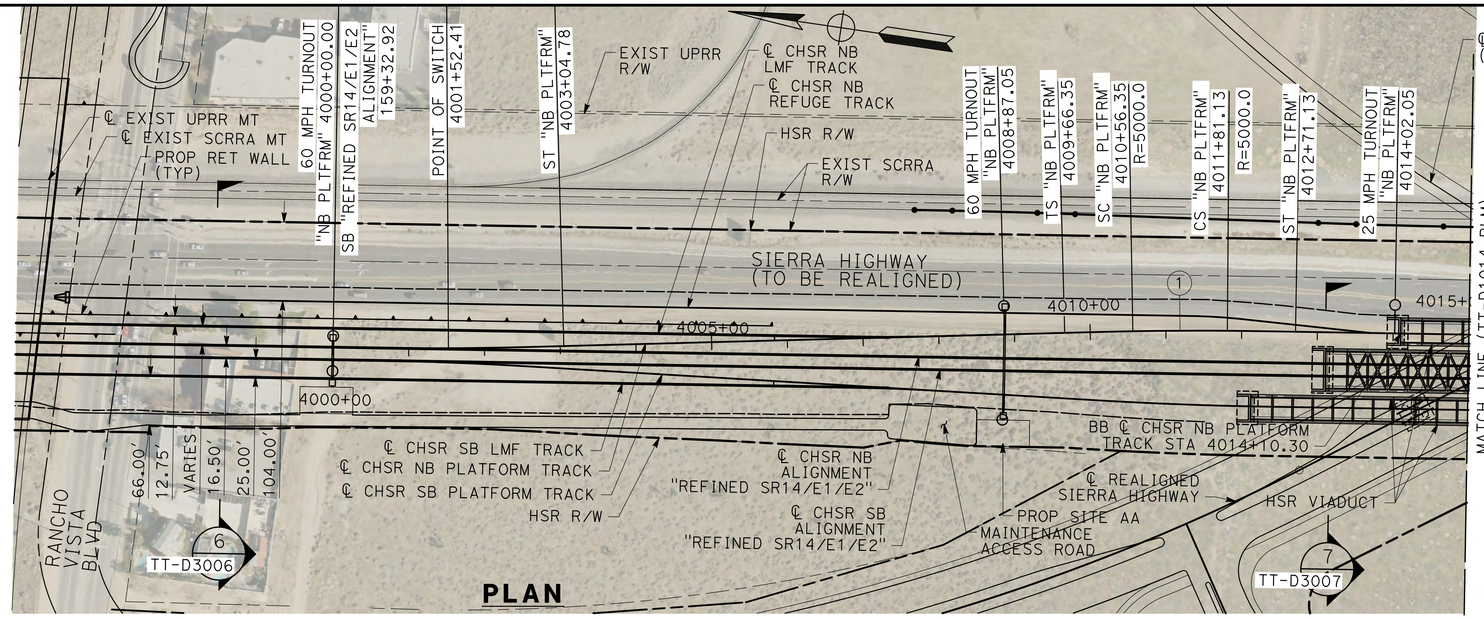

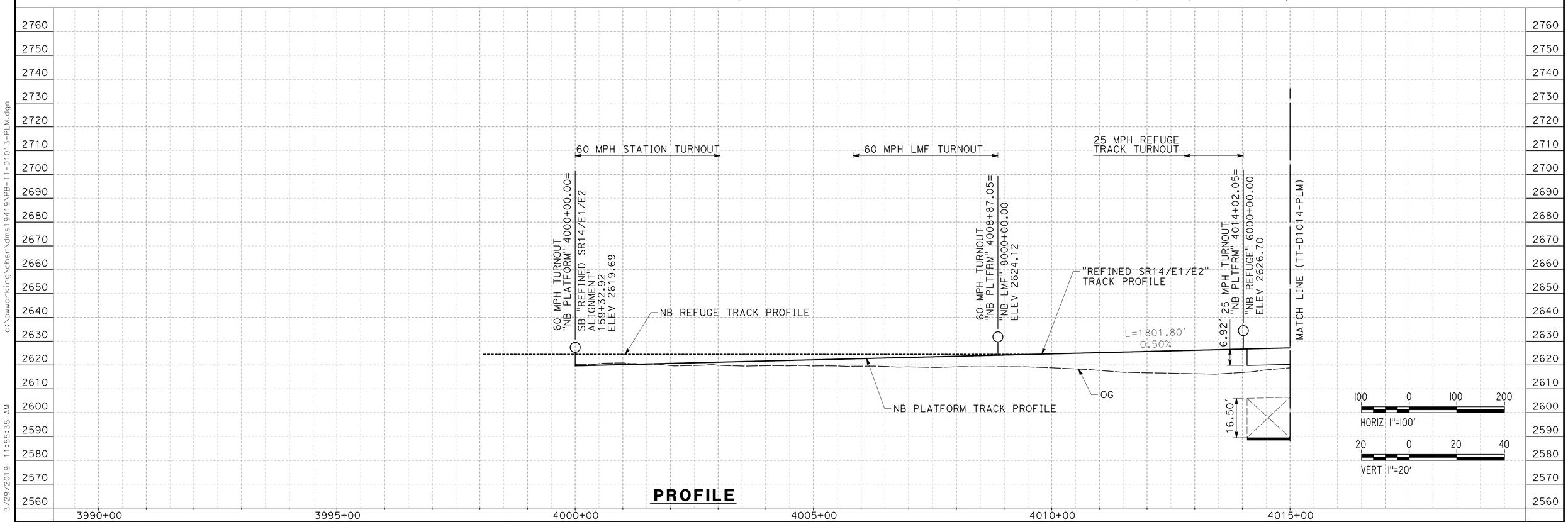

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB PLATFORM TRACK
PLAN AND PROFILE
STA 4000+00.00 TO STA 4015+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1013-PLM
SCALE AS SHOWN
SHEET NO.

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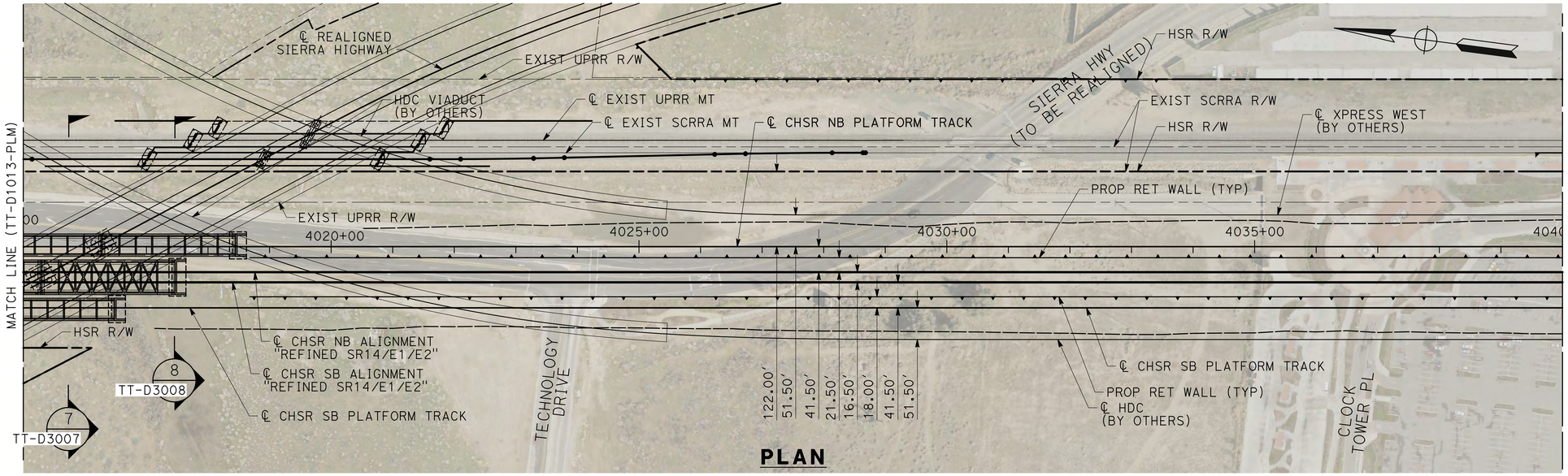
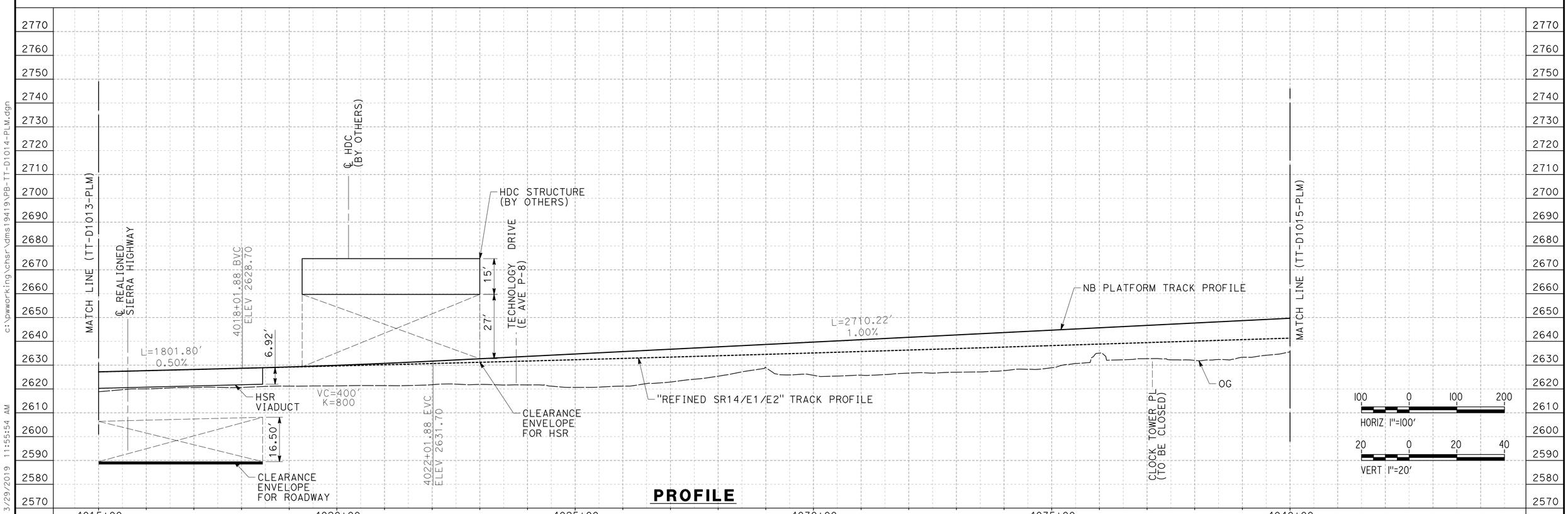


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB PLATFORM TRACK
PLAN AND PROFILE
STA 4015+00.00 TO STA 4040+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1014-PLM
SCALE AS SHOWN
SHEET NO.

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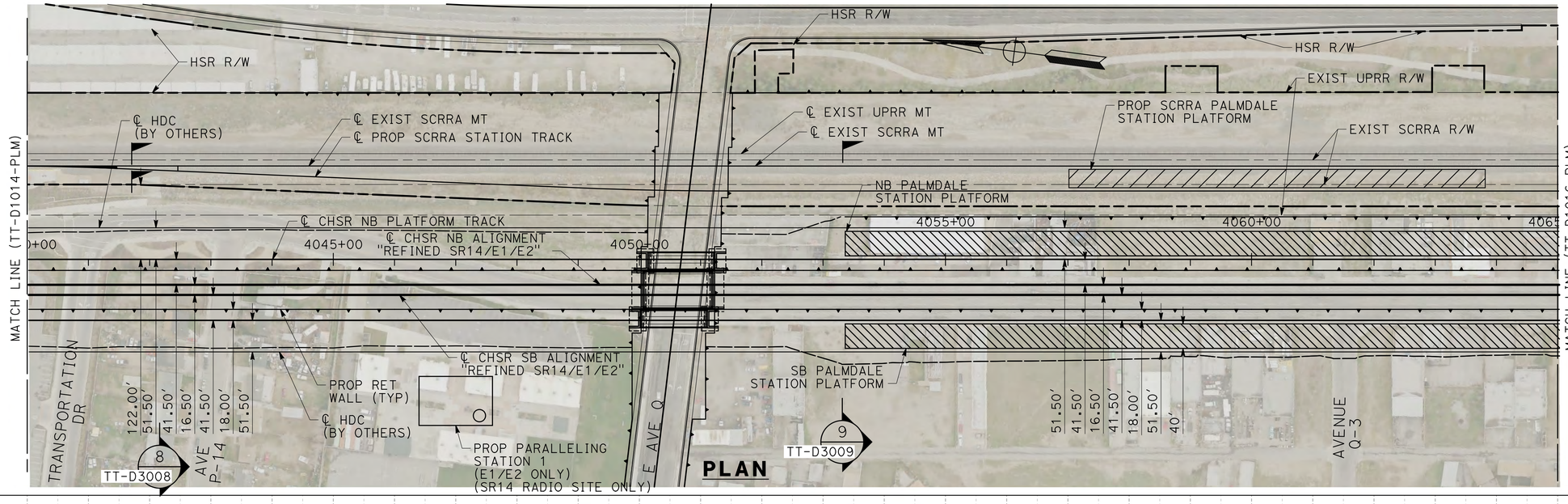

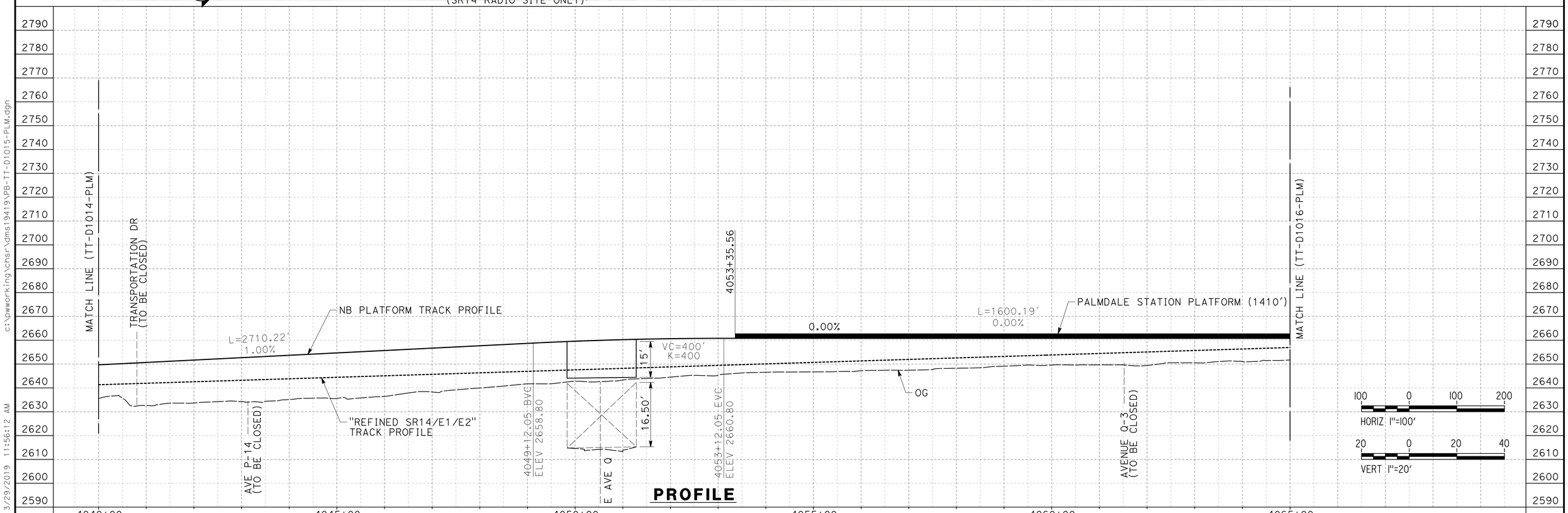

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB PLATFORM TRACK
PLAN AND PROFILE
STA 4040+00.00 TO STA 4065+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1015-PLM
SCALE AS SHOWN
SHEET NO.

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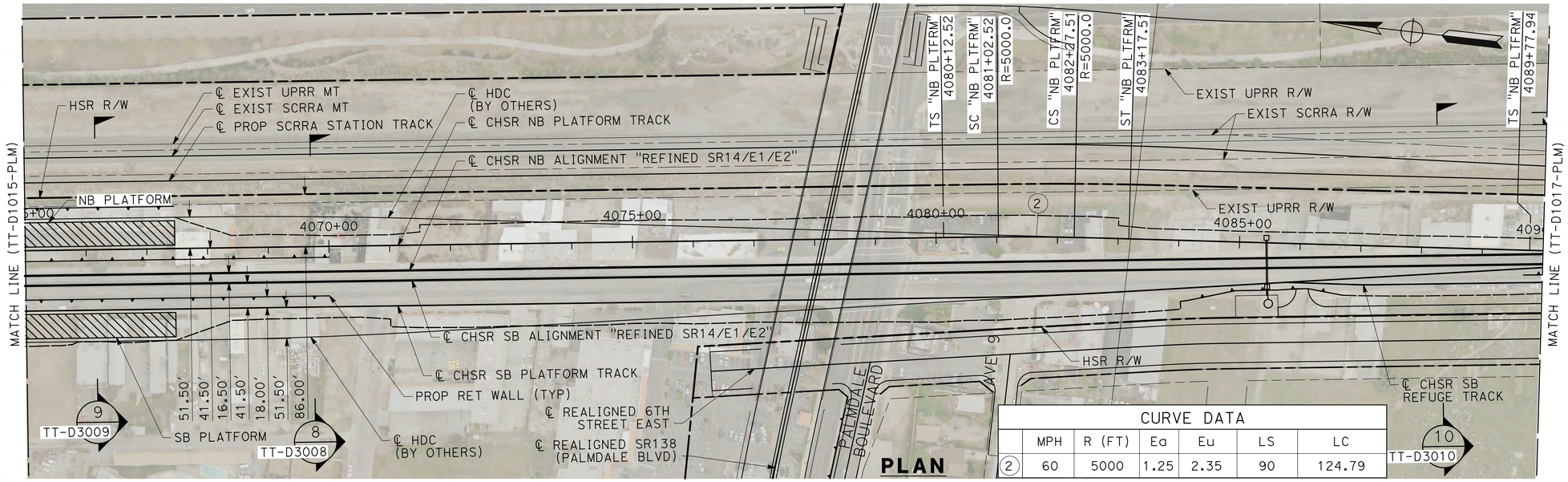

PLAN

CURVE DATA						
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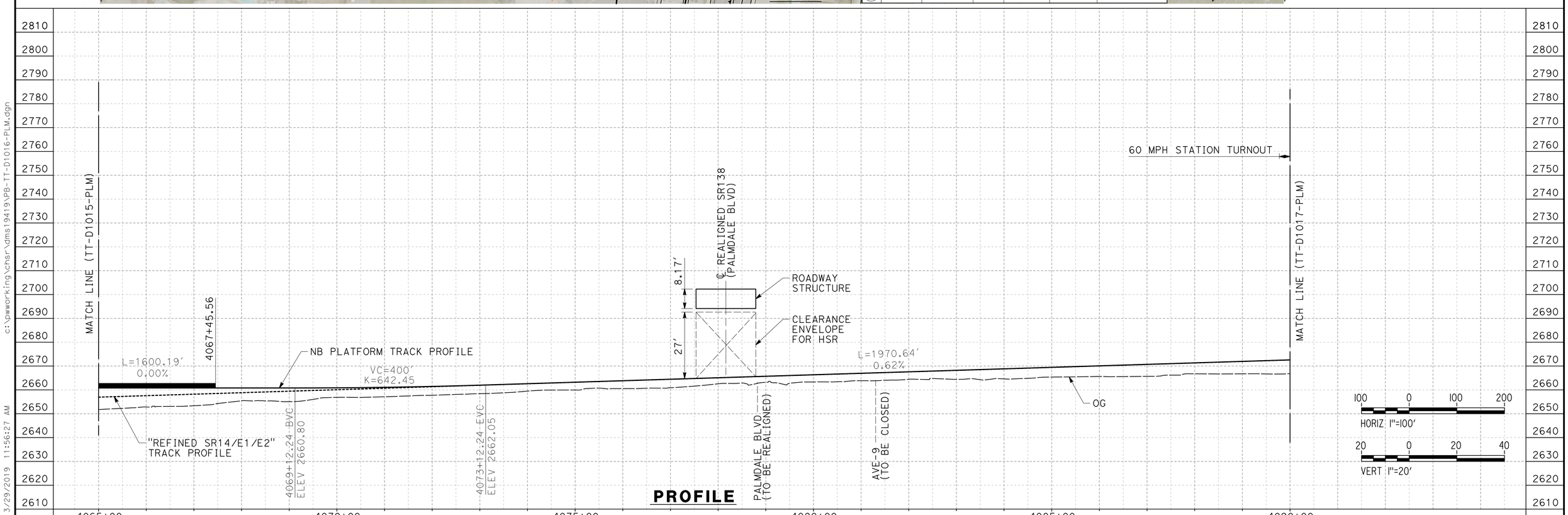

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB PLATFORM TRACK
PLAN AND PROFILE
STA 4065+00.00 TO STA 4090+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1016-PLM
SCALE AS SHOWN
SHEET NO.

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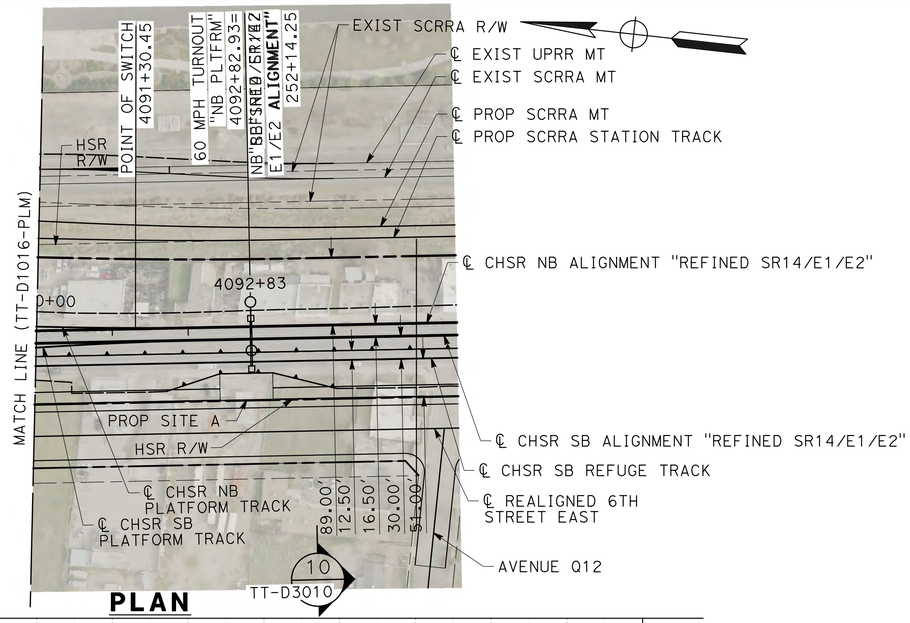

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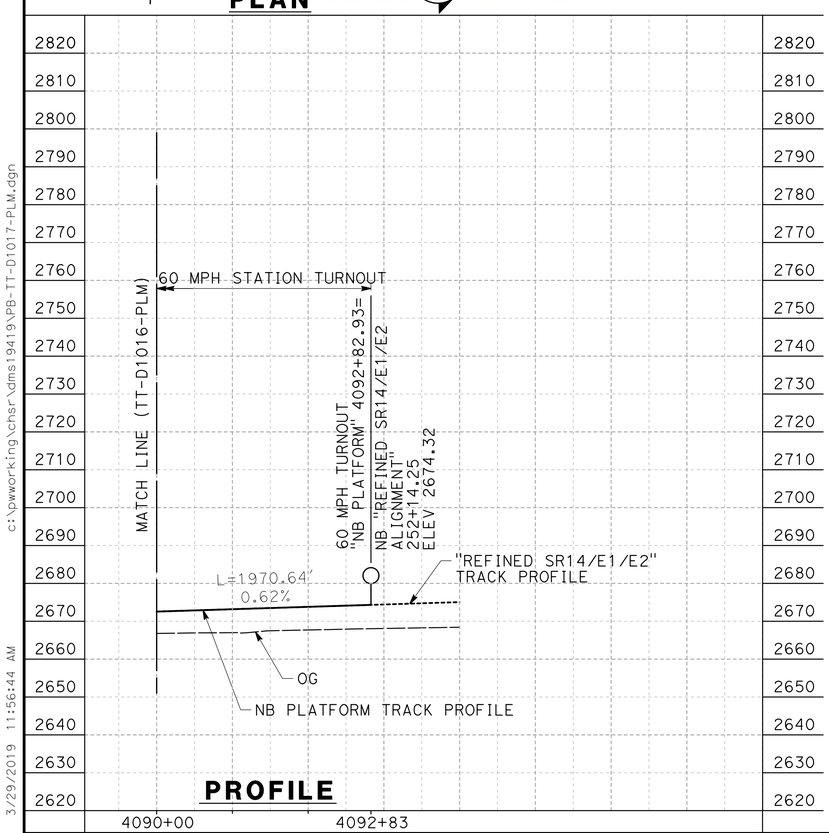

PROFILE

HORIZ 1"=100'

VERT 1"=20'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB PLATFORM TRACK
PLAN AND PROFILE
STA 4090+00.00 TO STA 4092+82.93

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1017-PLM
SCALE AS SHOWN
SHEET NO.

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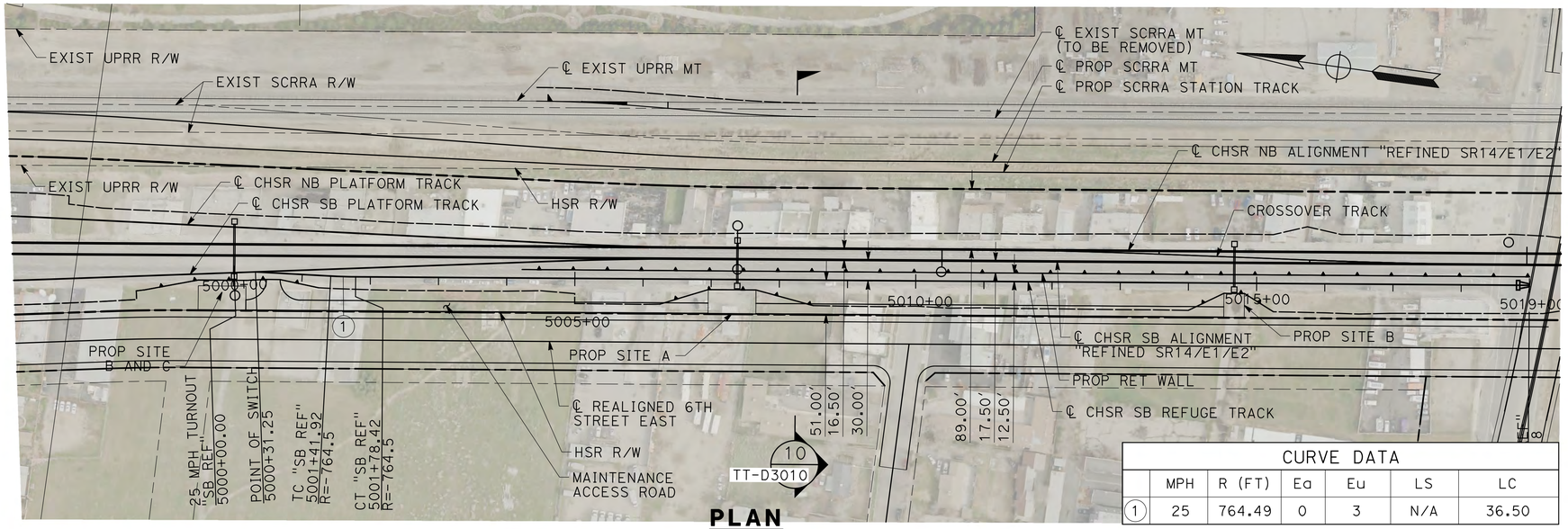

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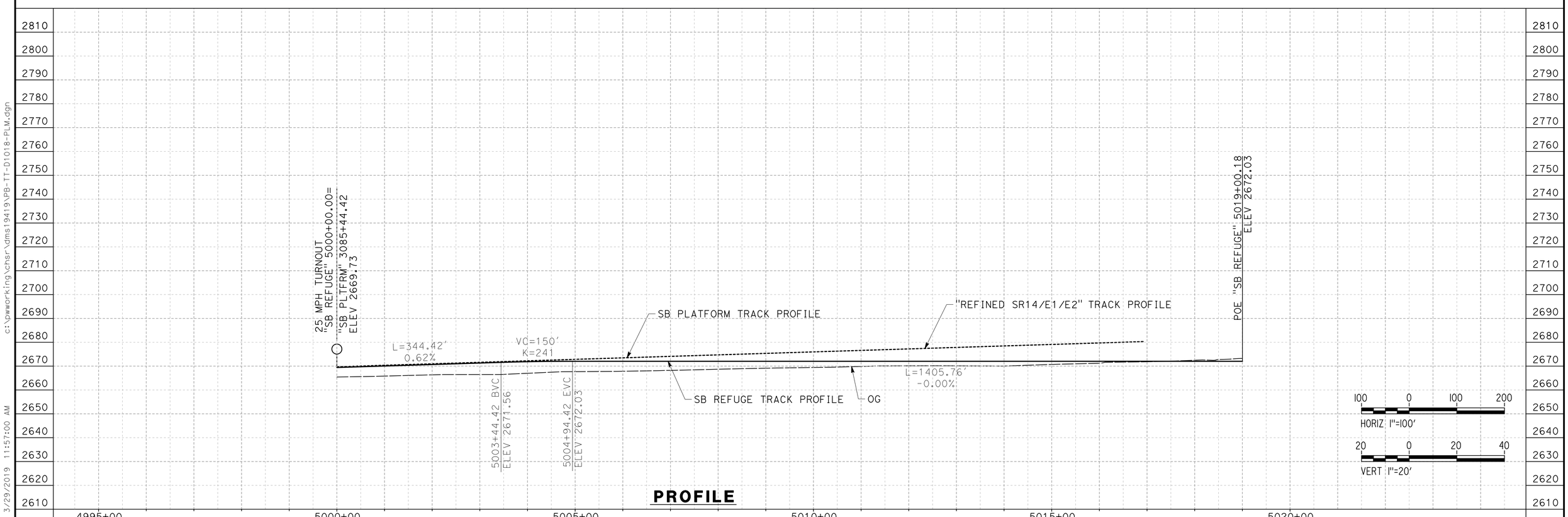
PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

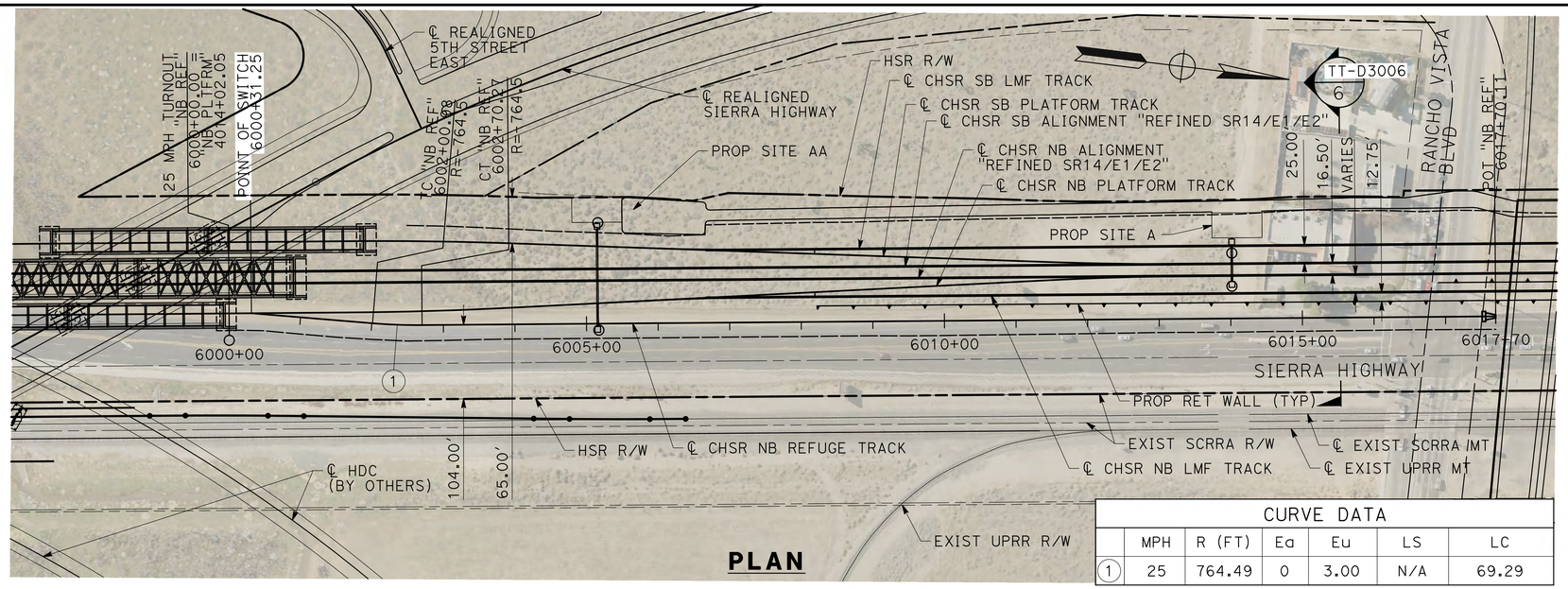
SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB REFUGE TRACK
PLAN AND PROFILE
STA 5000+00.00 TO STA 5019+00.18

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1018-PLM
SCALE AS SHOWN
SHEET NO.

c:\pwworking\chsr\dms19419\PB-TT-D1018-PLM.dgn 3/29/2019 11:57:00 AM 0400061



PLAN

CURVE DATA						
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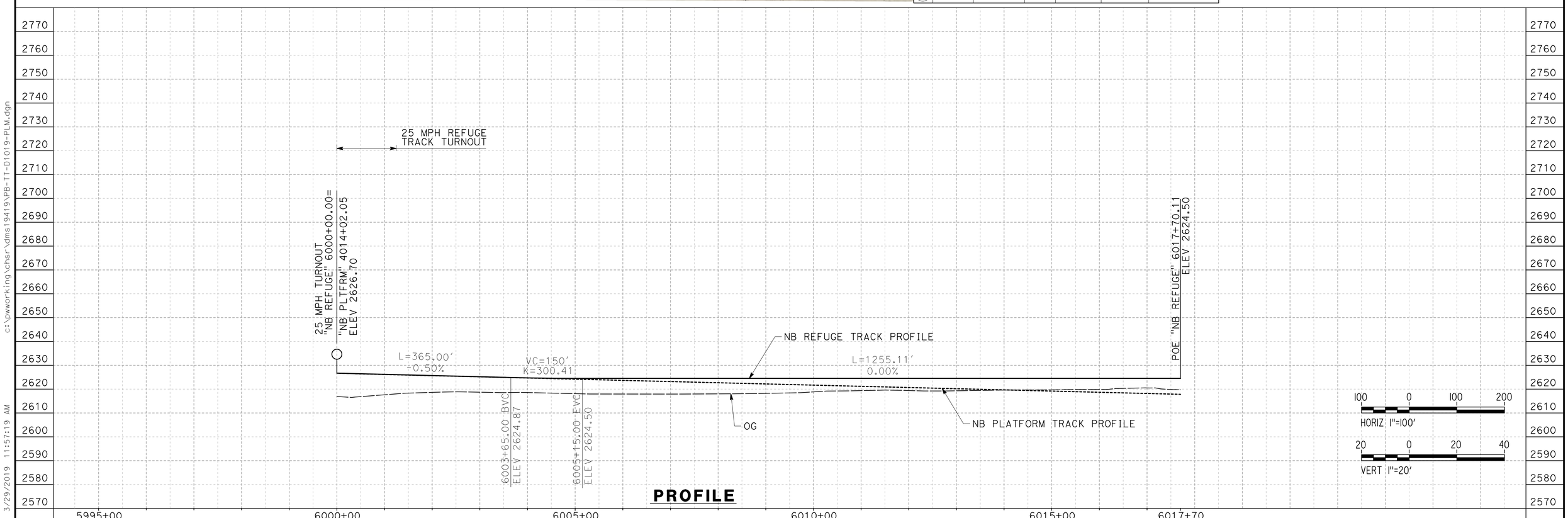

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB REFUGE TRACK
PLAN AND PROFILE
STA 6000+00.00 TO STA 6017+70.11

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1019-PLM
SCALE AS SHOWN
SHEET NO.

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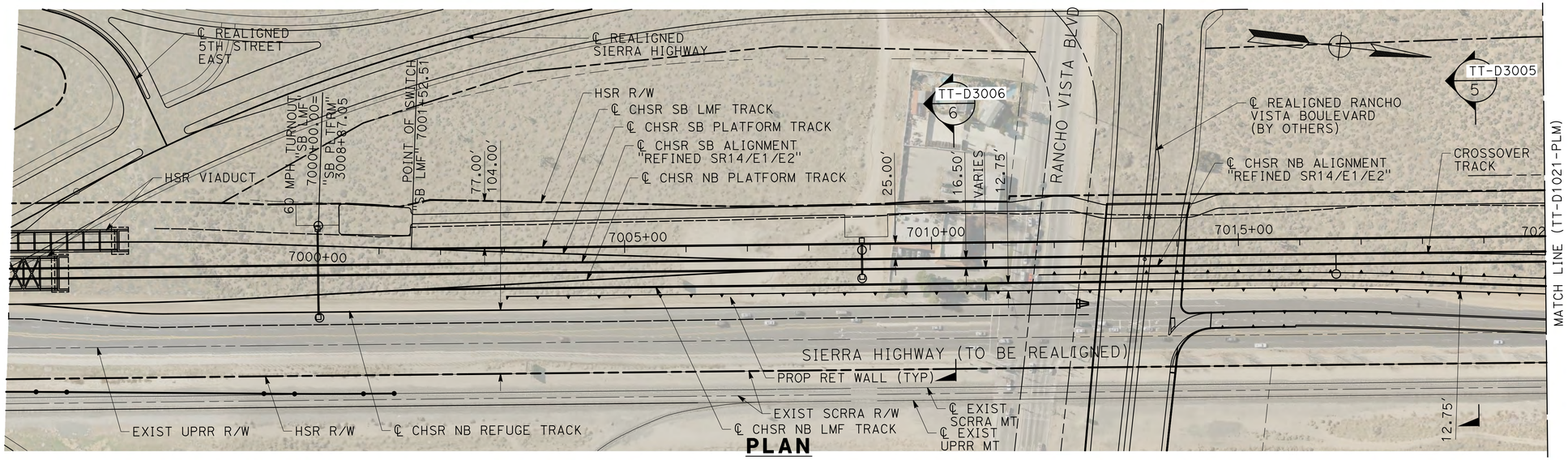
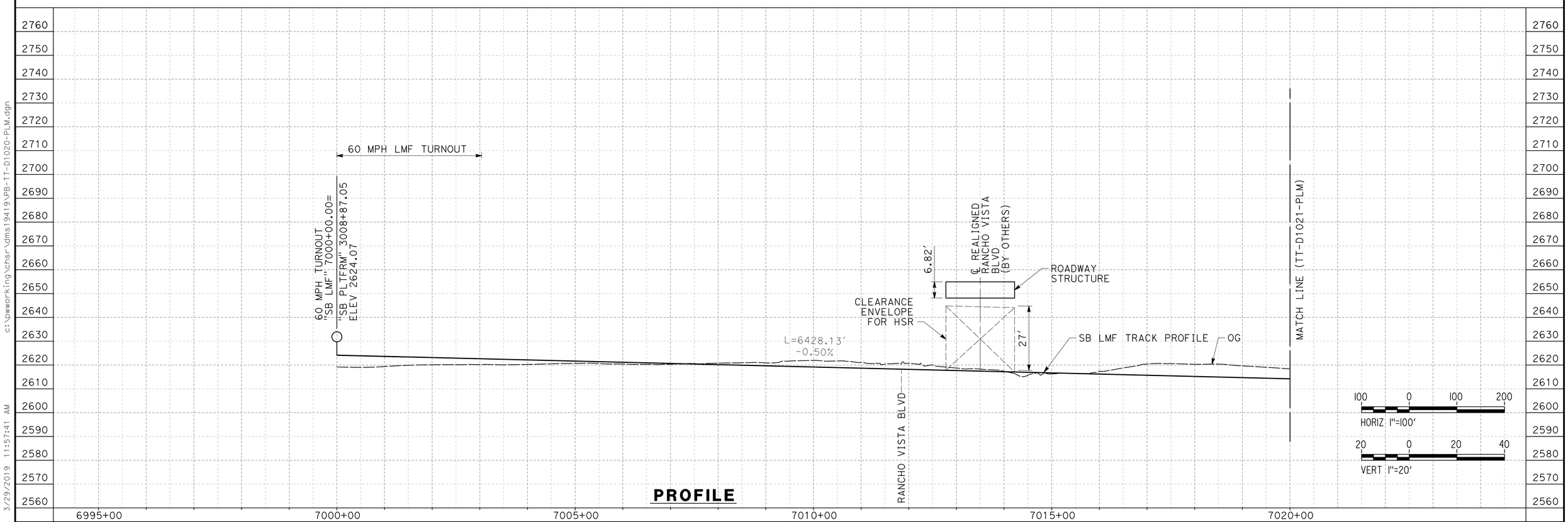


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB LMF TRACK
PLAN AND PROFILE
STA 7000+00.00 TO STA 7020+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1020-PLM
SCALE AS SHOWN
SHEET NO.

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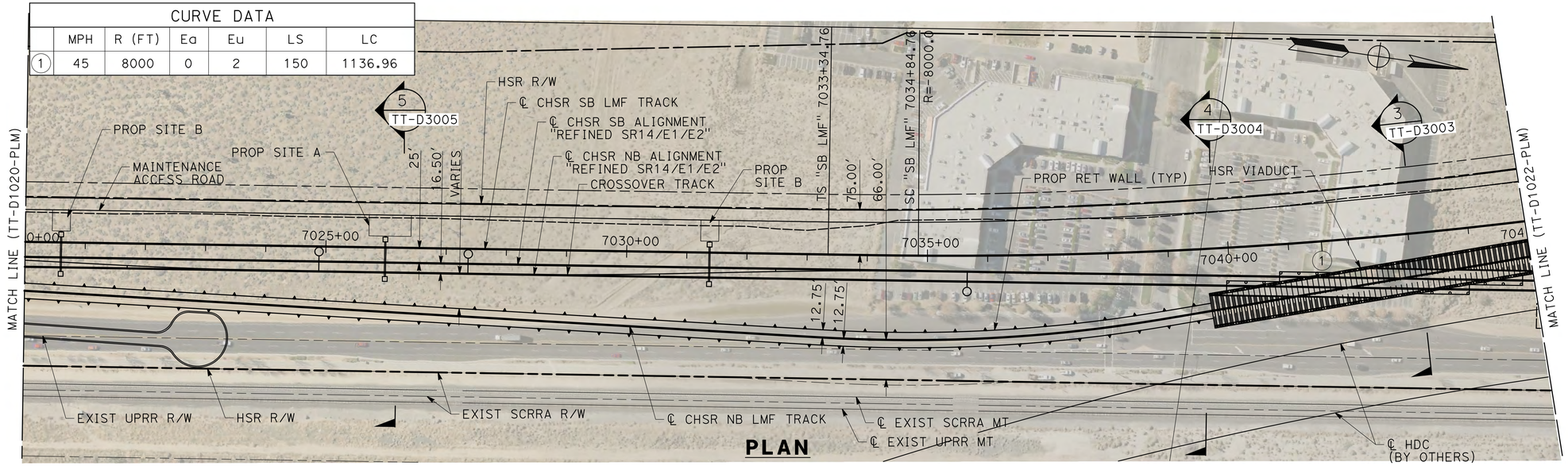

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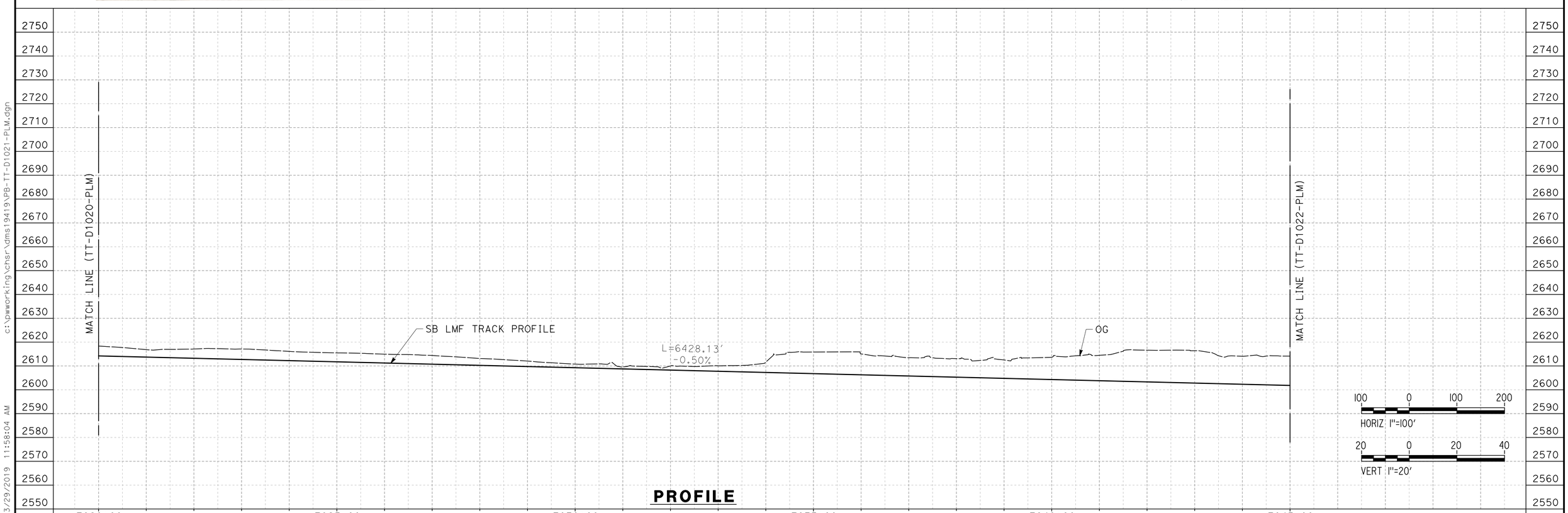

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB LMF TRACK
PLAN AND PROFILE
STA 7020+00.00 TO STA 7045+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1021-PLM
SCALE AS SHOWN
SHEET NO.

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3/29/2019 11:58:04 AM
0400061

CURVE DATA						
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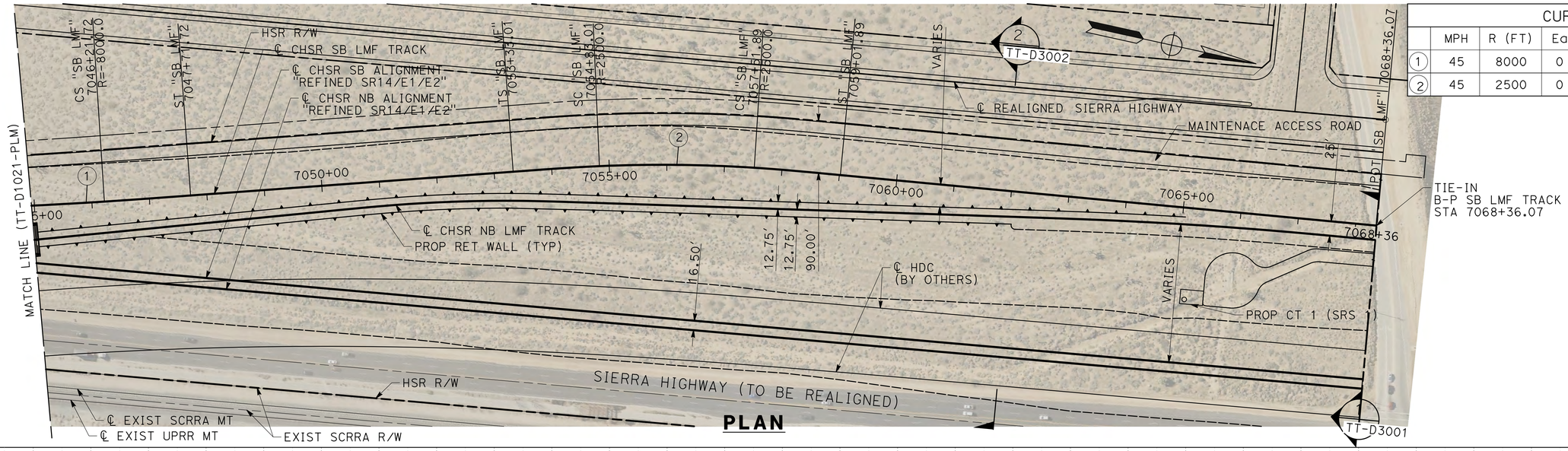

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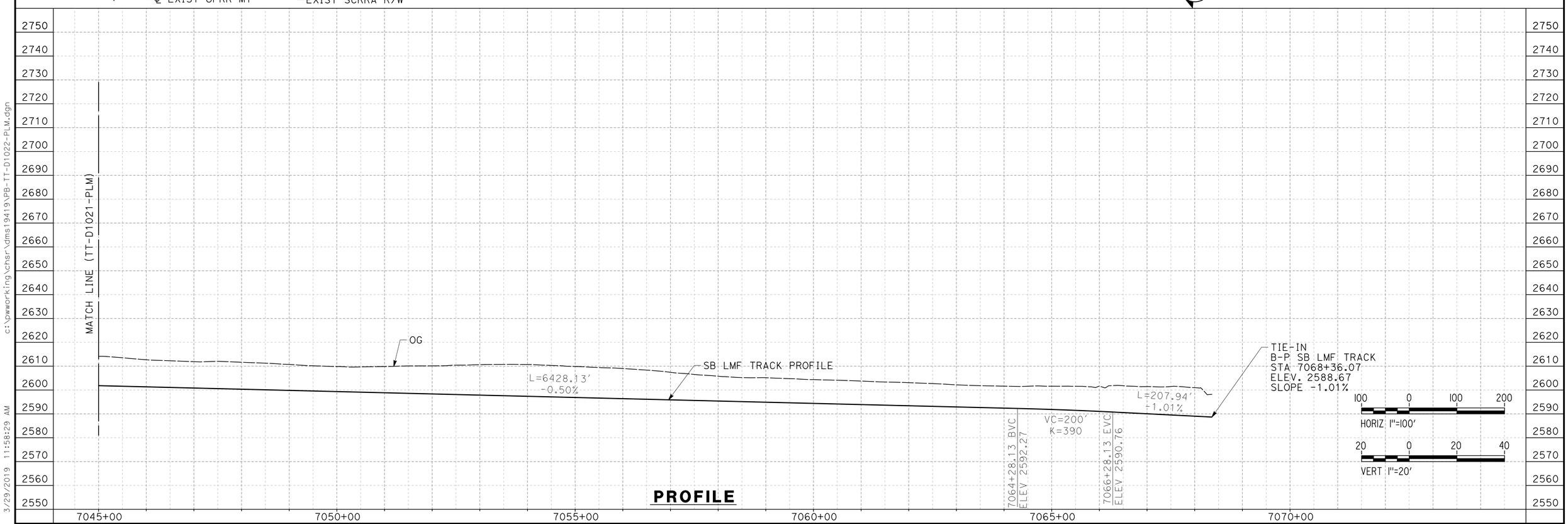

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DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SB LMF TRACK
PLAN AND PROFILE
STA 7045+00.00 TO STA 7068+36.07

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1022-PLM
SCALE AS SHOWN
SHEET NO.

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3/29/2019 11:58:29 AM
0400061

CURVE DATA						
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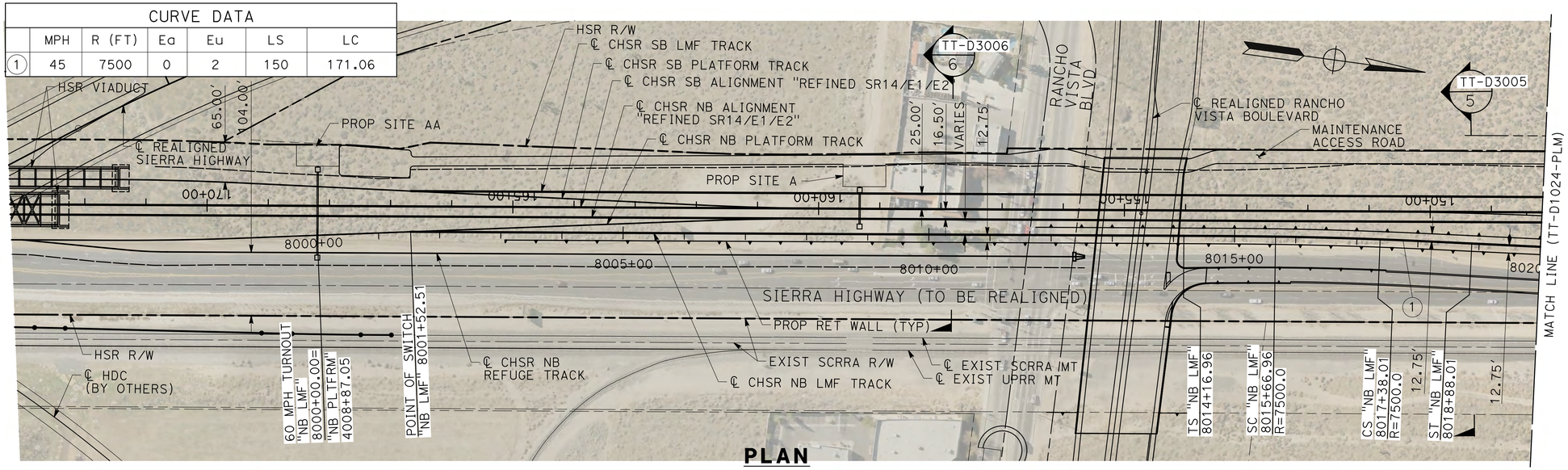
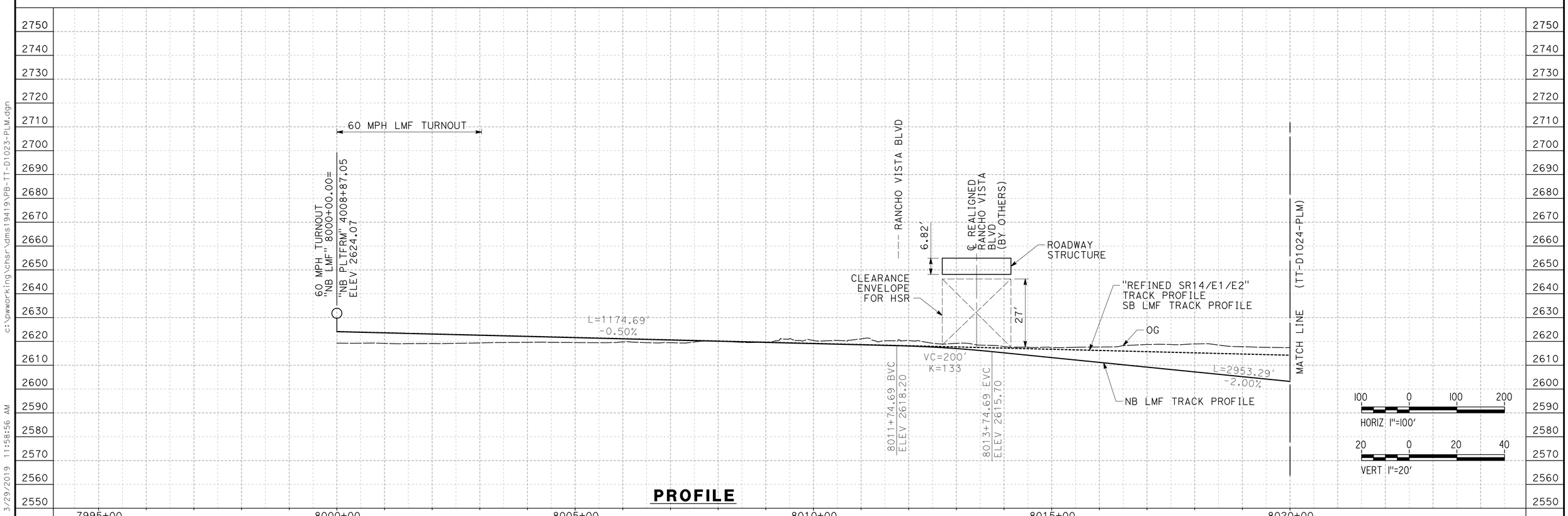


PLAN



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DATE 02/01/2019

PALMDALE SUBSECTION DRAFT PEPD REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB LMF TRACK
PLAN AND PROFILE
STA 8000+00.00 TO STA 8020+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1023-PLM
SCALE AS SHOWN
SHEET NO.

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CURVE DATA						
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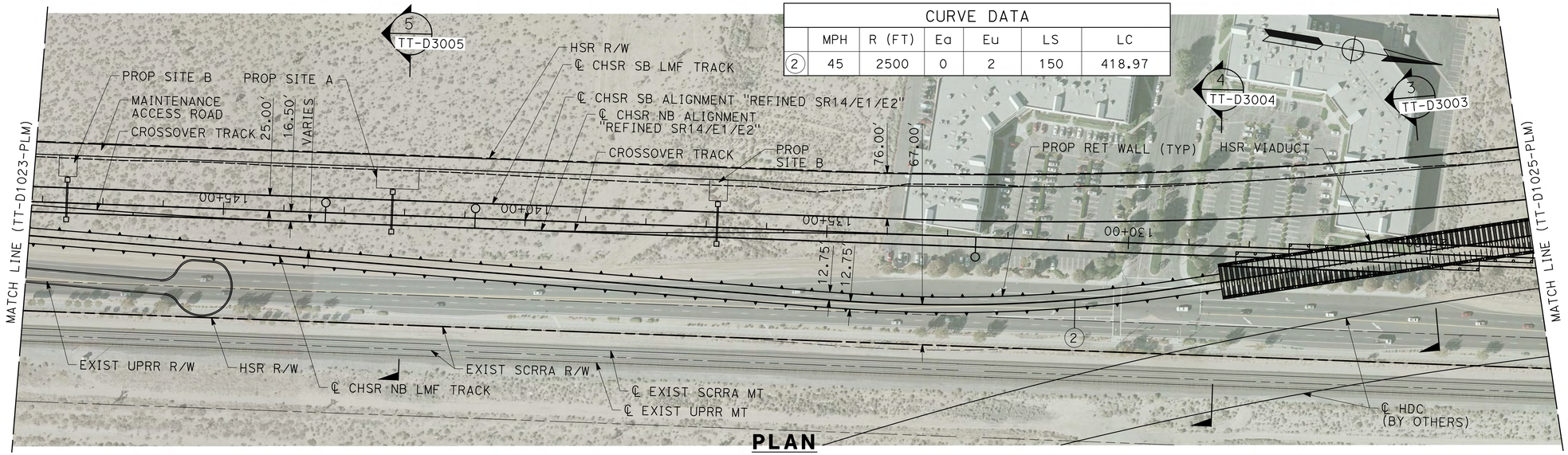

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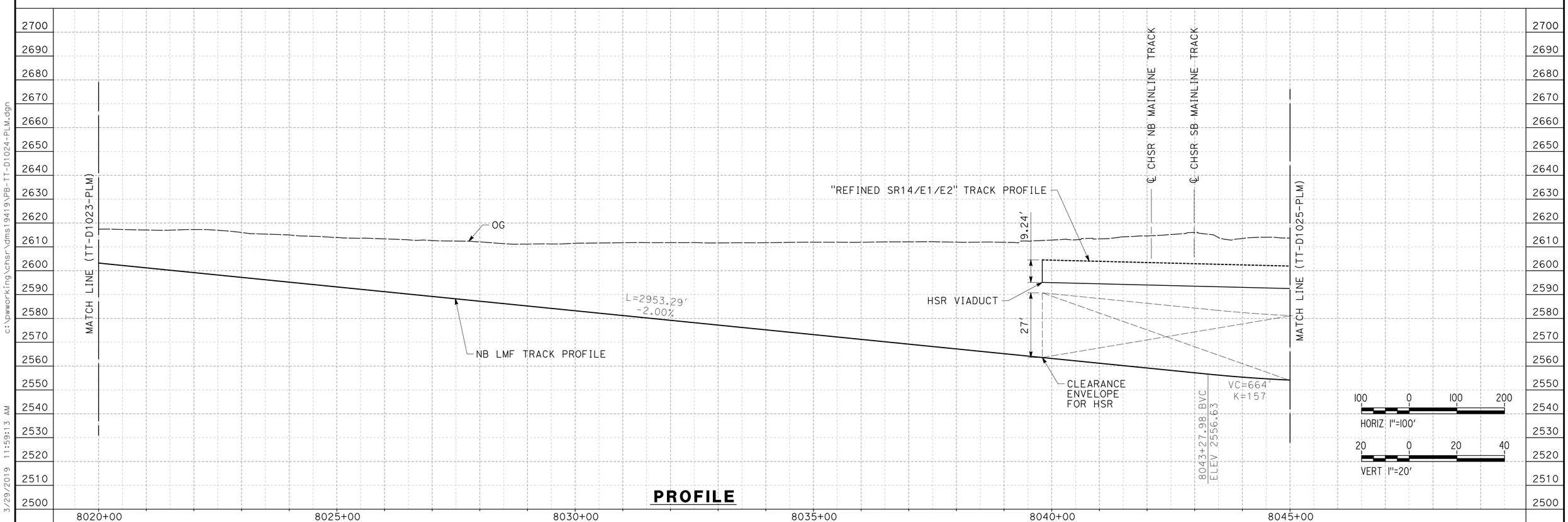

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DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB LMF TRACK
PLAN AND PROFILE
STA 8020+00.00 TO STA 8045+00.00

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1024-PLM
SCALE AS SHOWN
SHEET NO.

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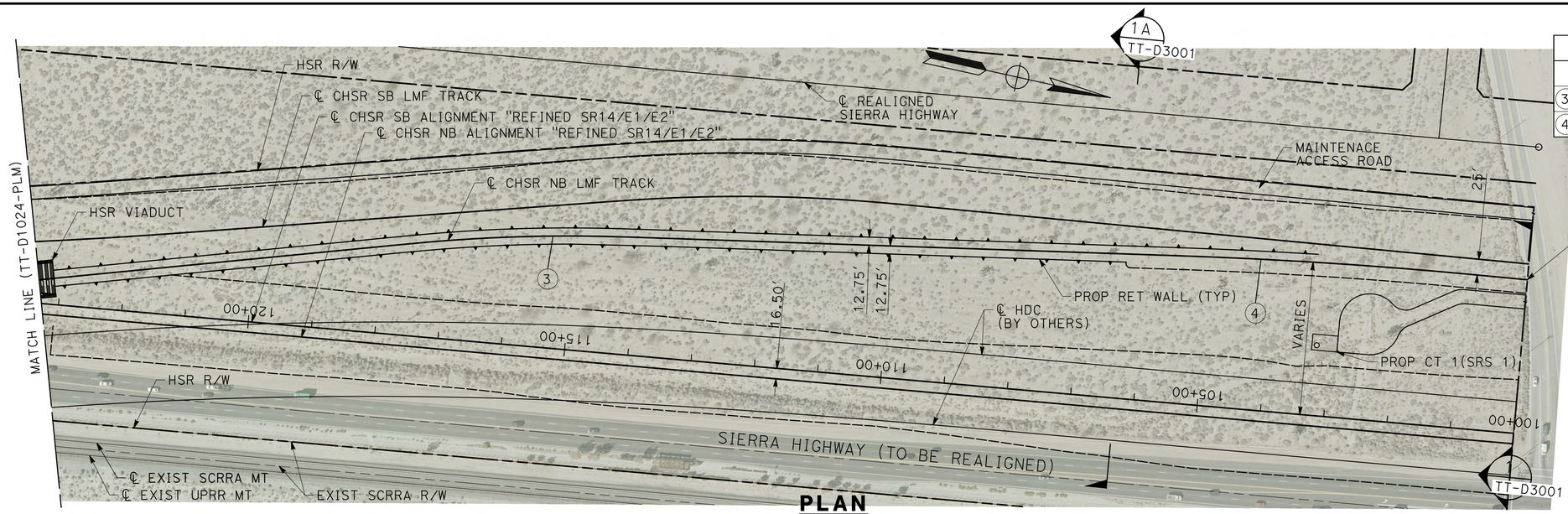

PLAN

CURVE DATA						
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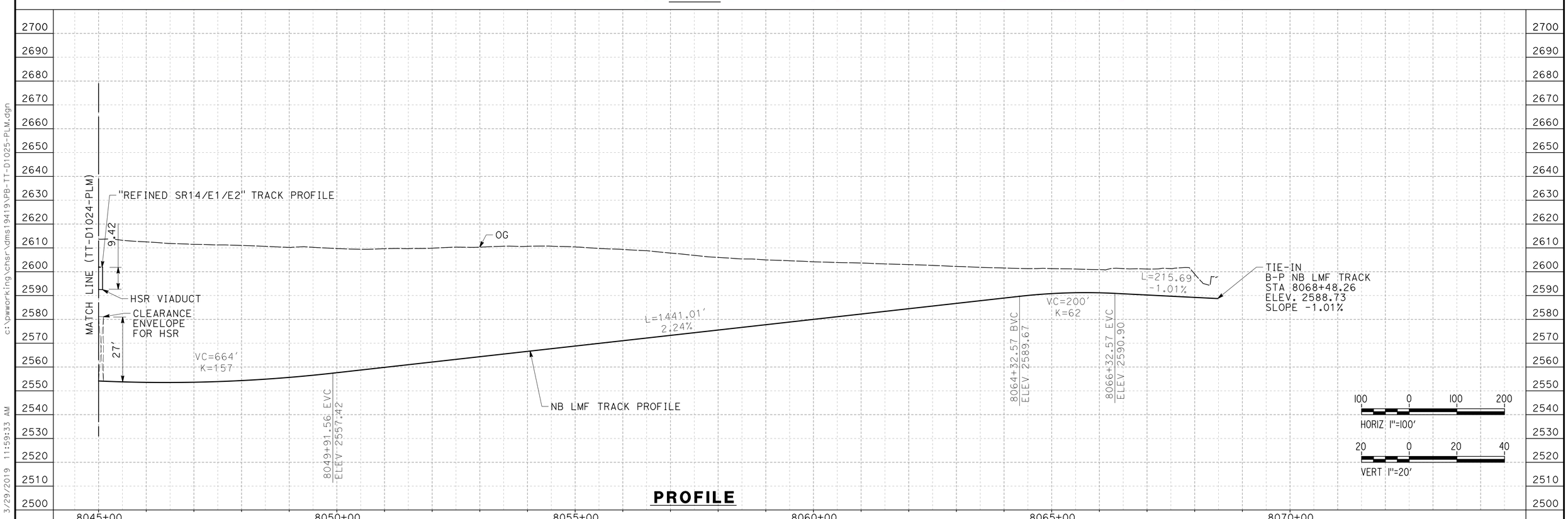
4	45	7500	0	2	150	304.49



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
NB LMF TRACK
PLAN AND PROFILE
STA 8045+00.00 TO STA 8068+47.92

CONTRACT NO. HSR14-42
DRAWING NO. TT-D1025-PLM
SCALE AS SHOWN
SHEET NO.

c:\pwworking\chsr\dms19419\PB-TT-D1025-PLM.dgn
3/29/2019 11:59:33 AM
0400061

California High-Speed Rail Authority

Palmdale Subsection

DRAFT PEPD REV01

Roadway / Grade Separation Plans.

February 2019

CALIFORNIA High-Speed Rail Authority

U.S. Department of Transportation
Federal Railroad Administration

ROADWAY PLANS

CV-B0001-PLM	ROADWAY PLAN - INDEX OF DRAWINGS
CV-B0002-PLM	ROADWAY PLAN - KEY MAP
GE-C0001-PLM	ROADWAY PLAN - ABBREVIATIONS
GE-C0002-PLM	ROADWAY PLAN - ABBREVIATIONS AND LEGEND
CV-R4001-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 1 OF 5
CV-R4002-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 2 OF 5
CV-R4003-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 3 OF 5
CV-R4004-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 4 OF 5
CV-R4005-PLM	ROADWAY PLAN - SIERRA HIGHWAY - SHEET 5 OF 5
CV-R4010-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 1 OF 5
CV-R4011-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 2 OF 5
CV-R4012-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 3 OF 5
CV-R4013-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 4 OF 5
CV-R4014-PLM	ROADWAY PLAN - FIFTH STREET EAST - SHEET 5 OF 5
CV-R4015-PLM	ROADWAY PLAN - SIXTH STREET EAST - SHEET 1 OF 2
CV-R4016-PLM	ROADWAY PLAN - SIXTH STREET EAST - SHEET 2 OF 2
CV-T4001-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 1 OF 3
CV-T4002-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 2 OF 3
CV-T4003-PLM	GRADE SEPARATION PLAN - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 3 OF 3
CV-T4004-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 1 OF 3
CV-T4005-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 2 OF 3
CV-T4006-PLM	GRADE SEPARATION PLAN - EAST AVENUE R - SHEET 3 OF 3
CV-R1001-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 1 OF 5
CV-R1002-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 2 OF 5
CV-R1003-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 3 OF 5
CV-R1004-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 4 OF 5
CV-R1005-PLM	ROADWAY PROFILE - SIERRA HIGHWAY - SHEET 5 OF 5
CV-R1010-PLM	ROADWAY PROFILE - EAST AVENUE O
CV-R1011-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 1 OF 5
CV-R1012-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 2 OF 5
CV-R1013-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 3 OF 5
CV-R1014-PLM	ROADWAY PROFILE - FIFTH STREET EAST - SHEET 4 OF 5
CV-R1015-PLM	ROADWAY PROFILE - FIFTH STREET EAST AND FIFTH PLACE EAST - SHEET 5 OF 5
CV-R1016-PLM	ROADWAY PROFILE - AVENUE Q 9 AND AVENUE Q 12
CV-R1017-PLM	ROADWAY PROFILE - SIXTH STREET - SHEET 1 OF 2
CV-R1018-PLM	ROADWAY PROFILE - SIXTH STREET - SHEET 2 OF 2
CV-R1019-PLM	ROADWAY PROFILE - SHERIFF DRIVEWAY- SHEET 1 OF 2
CV-R1020-PLM	ROADWAY PROFILE - SHERIFF DRIVEWAY- SHEET 2 OF 2
CV-T1001-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 1 OF 3
CV-T1002-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 2 OF 3
CV-T1003-PLM	GRADE SEPARATION PROFILE - EAST PALMDALE BOULEVARD (ROUTE 138) - SHEET 3 OF 3
CV-T1004-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 1 OF 3
CV-T1005-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 2 OF 3
CV-T1006-PLM	GRADE SEPARATION PROFILE - EAST AVENUE R - SHEET 3 OF 3
CV-T3001-PLM	TYPICAL SECTIONS - EAST PALMDALE BOULEVARD (ROUTE 138)
CV-T3002-PLM	TYPICAL SECTIONS - EAST AVENUE R
CV-R3001-PLM	TYPICAL SECTIONS - SIERRA HIGHWAY
CV-R3002-PLM	TYPICAL SECTIONS - EAST AVENUE O
CV-R3003-PLM	TYPICAL SECTIONS - FIFTH STREET EAST
CV-R3004-PLM	TYPICAL SECTIONS - AVENUE Q9, AVENUE Q12 AND FIFTH PLACE EAST
CV-R3005-PLM	TYPICAL SECTIONS - SIXTH STREET EAST
CV-R3006-PLM	TYPICAL SECTIONS - SHERIFF DRIVEWAY

A

AB	AGGREGATE BASE
ABN	ABANDON
ABUT	ABUTMENT
AC	ASPHALT CONCRETE
ACB	ASPHALT CONCRETE BASE
ADJ	ADJUST
AHD	AHEAD
ALT	ALTERNATE
AM	TIME FROM MIDNIGHT TO NOON
APPROX	APPROXIMATE
AR	ACCESS RESTRICTION
AS	AGGREGATE SUBBASE
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
BCR	BEGIN CURB RETURN
BEG	BEGIN
BIT CTD	BITUMINOUS COATED
BK	BACK
BKF	BACKFILL
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BOT	BOTTOM
B-P	BAKERSFIELD TO PALMDALE
BR	BRIDGE
BRG	BEARING
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE

C

CAA	CABLE ANCHOR ASSEMBLY
CAS	CONSTRUCTION AREA SIGN
CB	CONCRETE BARRIER
CBW	CONCRETE BLOCK WALL
C-C	CENTER TO CENTER
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
CL	CENTERLINE, CLASS
CL2	CLASS 2
CL-6	CHAIN LINK FENCE (6 FT)
CLR	CLEAR, CLEARANCE
CO	COUNTY
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTOR
CONST	CONSTRUCT, CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE

C CONTINUED

CR	CREEK
CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT
CRSP	CONCRETED ROCK SLOPE PROTECTION
CS	CURVE TO SPIRAL
CTB	CEMENT TREATED BASE
CTPB	CEMENT TREATED PERMEABLE BASE
CTPM	CEMENT TREATED PERMEABLE MATERIAL
CTRS	CENTERS
℄	CENTERLINE

D

D	DEPTH
DBL	DOUBLE
DEG	DEGREE
DEL	DELINEATOR
DET	DETAIL, DETOUR
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
EASE	EASEMENT
EB	END OF BRIDGE
EC	END HORIZONTAL CURVE
ECR	END CURB RETURN
ELEV	ELEVATION
ELLN	EXTRALEGAL LEAD NETWORK
EMB	EMBANKMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EP	EDGE OF PAVEMENT
EQ	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
EXWY	EXPRESSWAY
EXT	EXTERIOR

F

FEBT	FACING EASTBOUND TRAFFIC
FG	FINISHED GRADE
FL	FLOW LINE
FNBT	FACING NORTHBOUND TRAFFIC
FOC	FACE OF CONCRETE
FR RD	FRONTAGE ROAD
FS	FAR SIDE, FINISHED SURFACE
FSBT	FACING SOUTHBOUND TRAFFIC
FT	FOOT, FEET

F CONTINUED

FTG	FOOTING
FWBT	FACING WESTBOUND TRAFFIC
FWY	FREEWAY

G

GP	GRADING PLANE
GR	GUARD RAILING
GSP	GALVANIZED STEEL PIPE
GTR	GUTTER

H

H	HEIGHT
HDC	HIGH DESERT CORRIDOR
HR	HOUR
HMA	HOT MIXED ASPHALT
HORIZ	HORIZONTAL
HP	HINGE POINT, HORSEPOWER
HST	HIGH SPEED TRAIN
HSR	HIGH SPEED RAIL
HWY	HIGHWAY

I

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

J

JCT	JUNCTION
JPCP	JOINTED PLAIN CONCRETE PAVEMENT
JT	JOINT

K

K	DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

L	LENGTH
LAT	LATITUDE
LCB	LEAN CONCRETE BASE
LMF	LIGHT MAINTENANCE FACILITY
LN	LANE
LOC	LOCATION
LOL	LAYOUT LINE
LONG	LONGITUDE
LONGIT	LONGITUDINAL
LT	LEFT

M

MAINT	MAINTENANCE
MAX	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
MED	MEDIAN
MIN	MINIMUM
MISC	MISCELLANEOUS
M/L	MAIN LINE (RAILWAY)
MOD	MODIFIED, MODIFY
MON	MONUMENT

M CONTINUED

MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MPH	MILES PER HOUR
MSE	MECHANICALLY STABILIZED EARTH
MTL	MATERIAL
MT	MAIN TRACK

N

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

O

OBLR	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OH	OVERHEAD

P

P	PAGE
PB	PULL BOX
P-B	PALMDALE TO BURBANK
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
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
PPEF	PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
PRC	POINT OF REVERSE CURVE
PROP	PROPOSED
PRF	POINT OF VERTICAL CURVE
PRVC	PAVEMENT REINFORCING FABRIC
PS&E	POINT OF REVERSE VERTICAL CURVE
PS,P/S	PLANS, SPECIFICATIONS AND ESTIMATES
PSP	PRESTRESSED, PARALLEL STATION
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION

P CONTINUED

PVMT	PAVEMENT
PVP	MAINTENANCE VEHICLE PULLOUT
PVMT	PAVEMENT
PVP	MAINTENANCE VEHICLE PULLOUT

Q

QTY	QUANTITY

R

R	RADIUS
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
RWY	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SB	SOUTHBOUND
SC	SPIRAL TO CURVE
SCRRA	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
SD	STORM DRAIN
SEC	SECOND
SECT	SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SS	SLOPE STAKE, SPIRAL TO SPIRAL
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SRS	STAND ALONE RADIO SITE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION

S CONTINUED

SYM	SYMMETRICAL

T

T	TANGENT
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TC	TOP OF CURB, TANGENT TO CURVE
TCE	TEMPORARY CONSTRUCTION ENTRANCE
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUPPLY STATION
TRANS	TRANSITION, TRANSVERSE
TS	TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL
TYP	TYPICAL
TOR	TOP OF RAIL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE

V

V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WT	WEIGHT
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
W/	WITH

X

X SEC	CROSS SECTION
XING	CROSSING

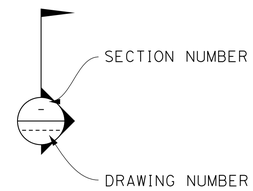
Y

YR	YEAR
YRS	YEARS

GENERAL NOTES

1. THE FOLLOWING ARE ROADWAY DESIGN STANDARD AND GUIDELINES:
   A. CALTRANS HIGHWAY DESIGN MANUAL (2016)
   B. AASHTO ROADSIDE DESIGN GUIDE (2011)
   C. APPLICABLE LOCAL DESIGN STANDARD AND GUIDELINES (I.E., CITY OF PALMDALE)

LEGEND



PROPOSED RIGHT OF WAY

EXISTING RIGHT OF WAY

RETAINING WALL

FILL

CUT

NOISE BARRIER (POTENTIAL)

OG / ORIGINAL GROUND

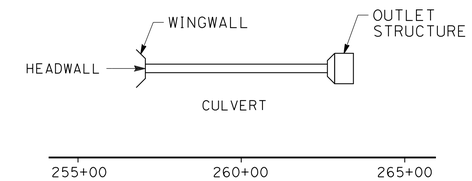
REMOVE BASE & SURFACING

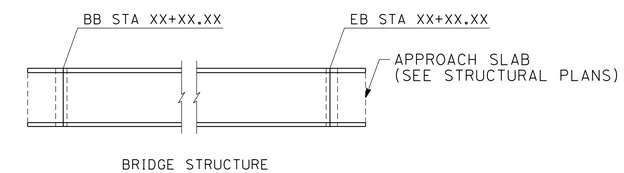
POINT OF MINIMUM VERTICAL CLEARANCE

WATER SURFACE

ESTIMATED 100-YEAR FLOOD ELEVATION

EXISTING HIGH VOLTAGE TOWER





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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

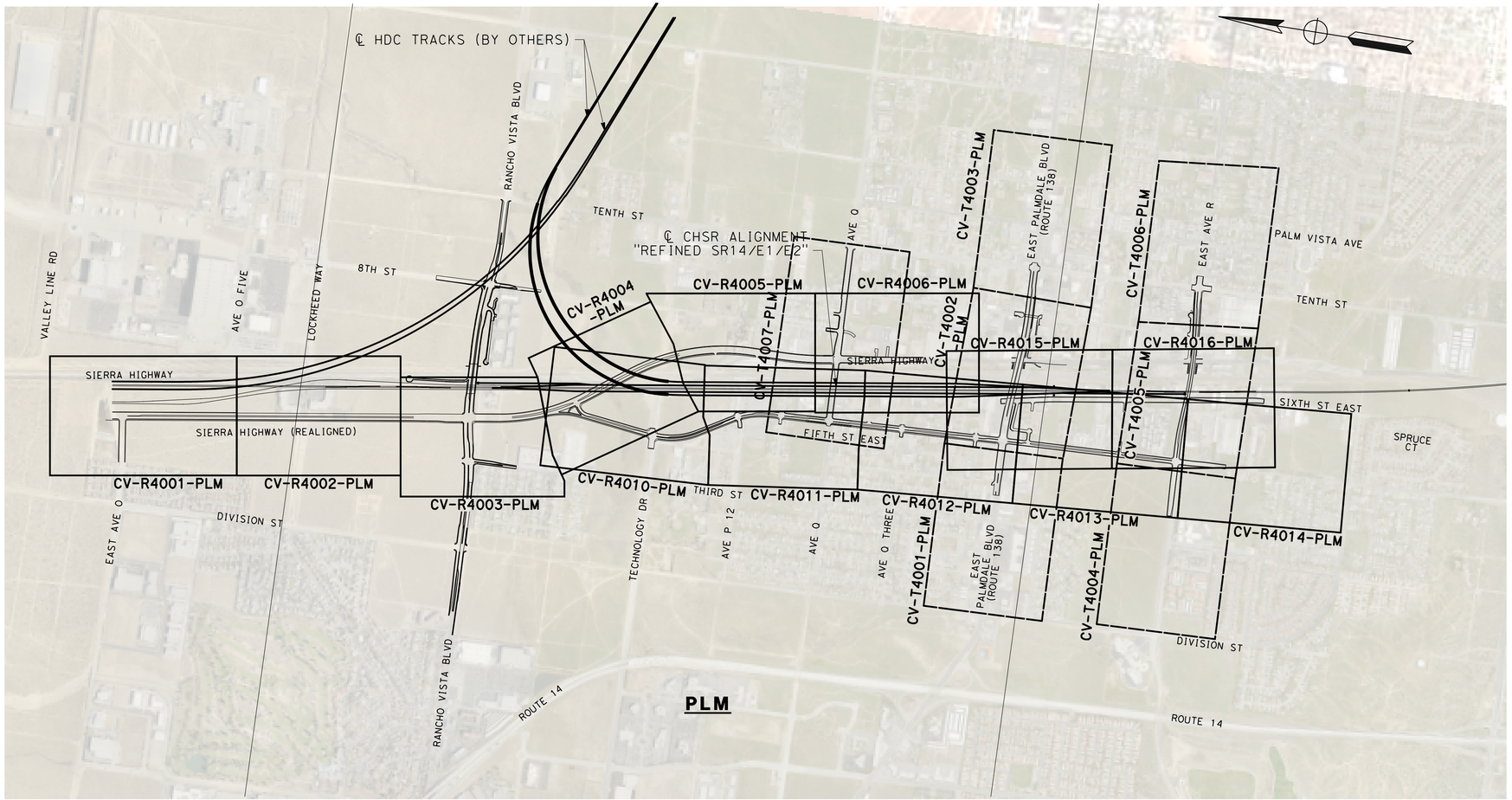
PALMDALE SUBSECTION
DRAFT PEPD REV 01
NOT FOR CONSTRUCTION

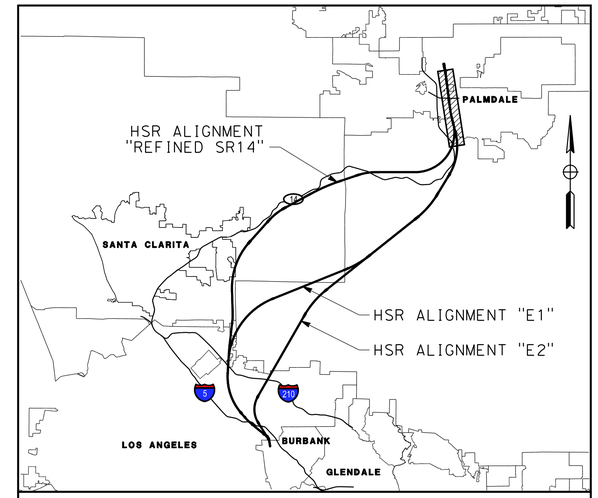
SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
ROADWAYS AND GRADE SEPARATIONS
ABBREVIATIONS AND LEGEND

CONTRACT NO. HSR14-42
DRAWING NO. GE-C0002-PLM
SCALE NO SCALE
SHEET NO.





VICINITY MAP

LEGEND:

- ROADWAY PLAN AND ACCESS ROAD PLAN
- GRADE SEPARATION PLAN

1000 0 1000 2000

1"=1000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
KEY MAP
ROADWAY AND GRADE SEPARATION

CONTRACT NO. HSR14-42
DRAWING NO. CV-B0001-PLM
SCALE AS SHOWN
SHEET NO.

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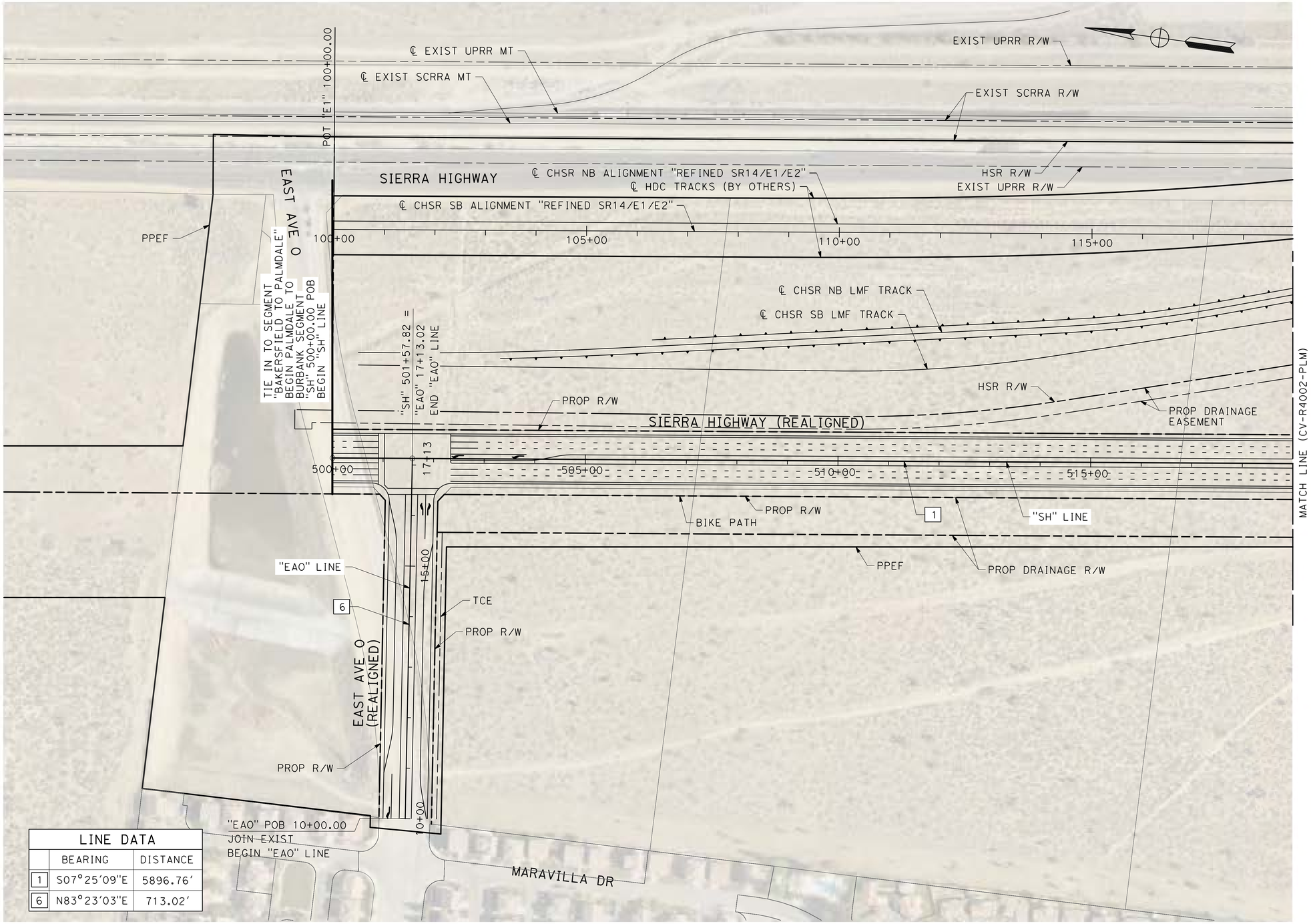

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	BEARING	DISTANCE
1	S07°25'09"E	5896.76'
6	N83°23'03"E	713.02'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4001-PLM
SCALE AS SHOWN
SHEET NO.

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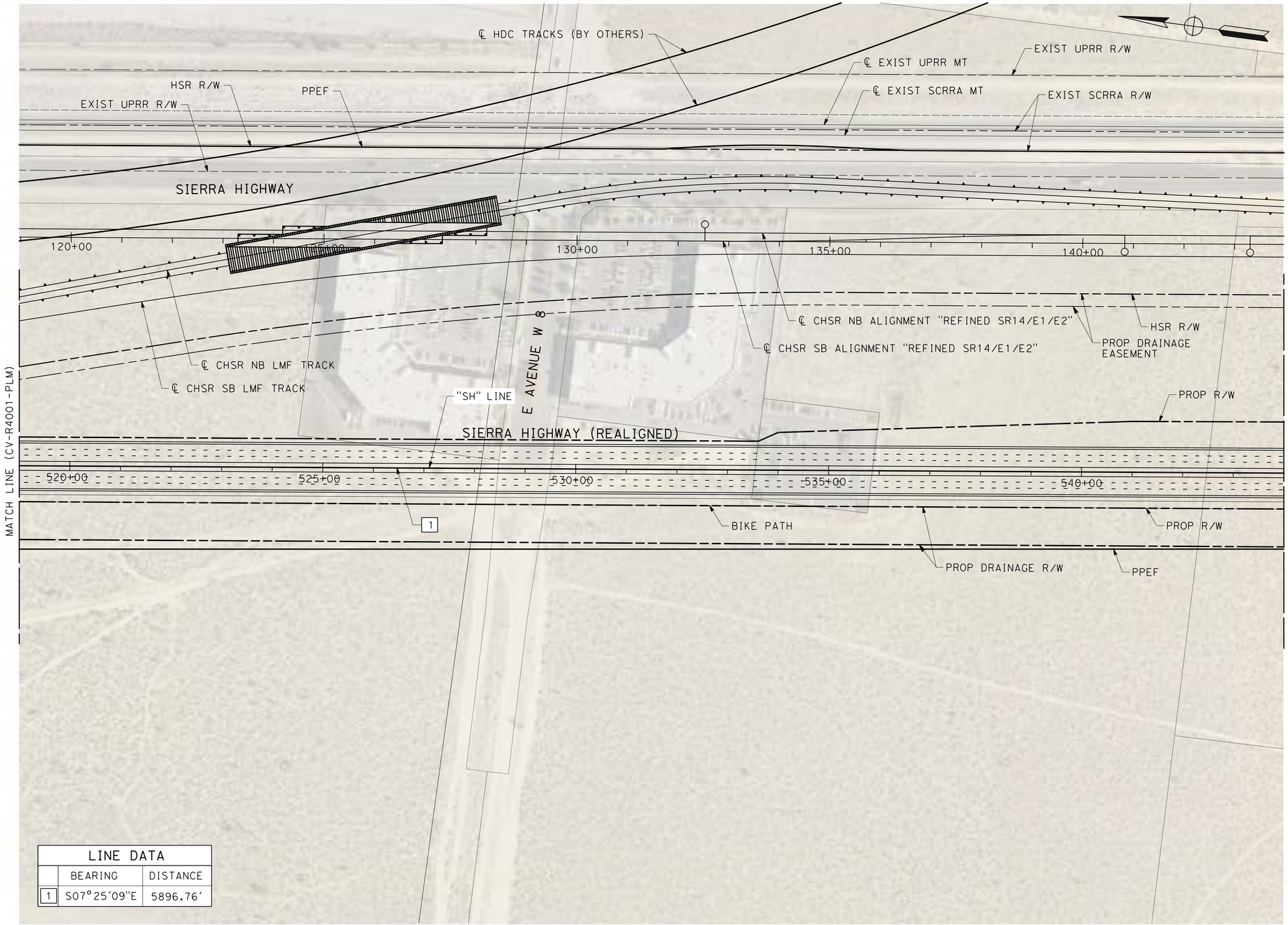

LINE DATA		
	BEARING	DISTANCE
1	S07°25'09"E	5896.76'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4002-PLM
SCALE AS SHOWN
SHEET NO.

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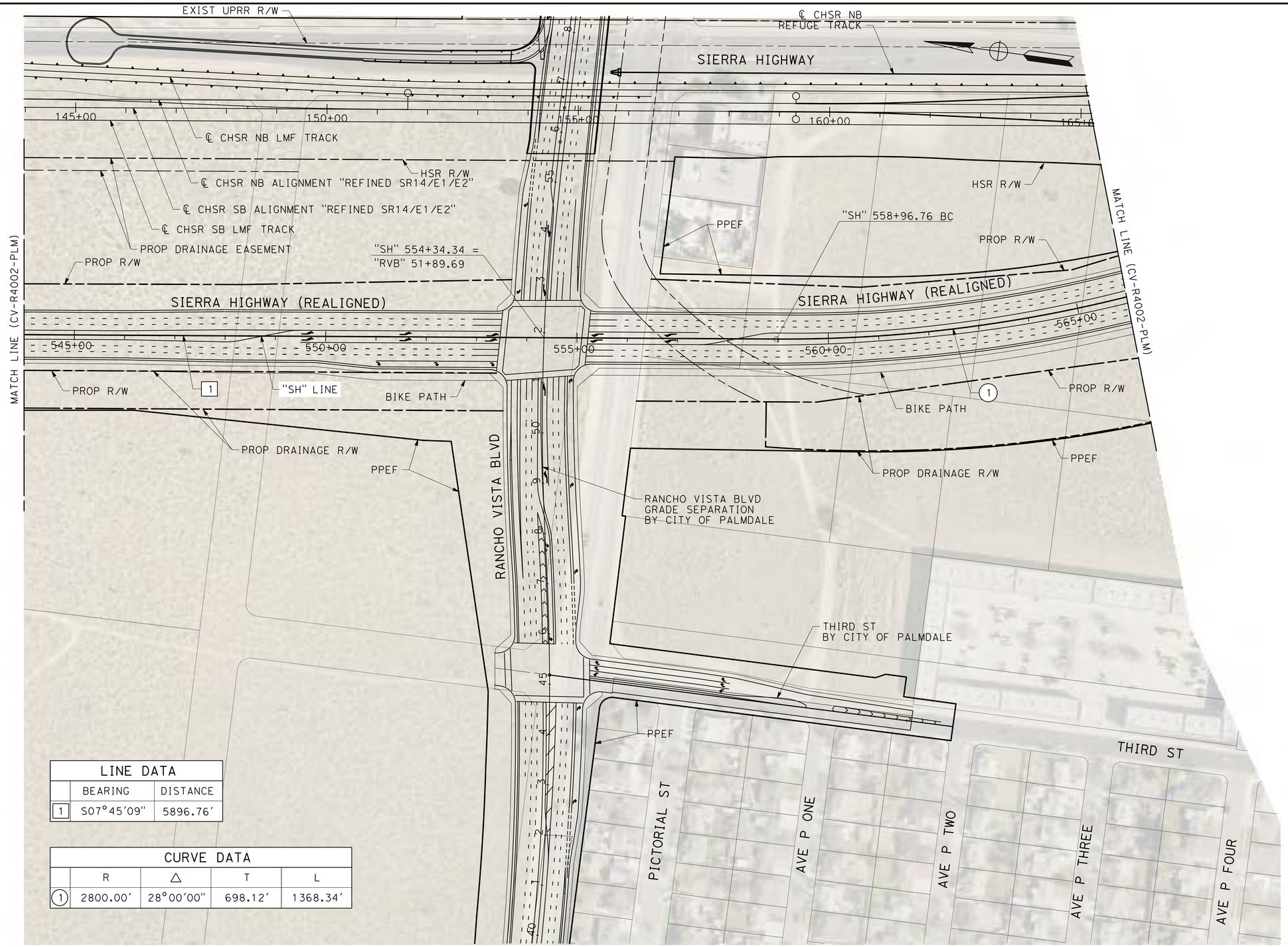

LINE DATA		
	BEARING	DISTANCE
1	S07°45'09"	5896.76'

CURVE DATA				
	R	△	T	L
1	2800.00'	28°00'00"	698.12'	1368.34'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4003-PLM
SCALE AS SHOWN
SHEET NO.

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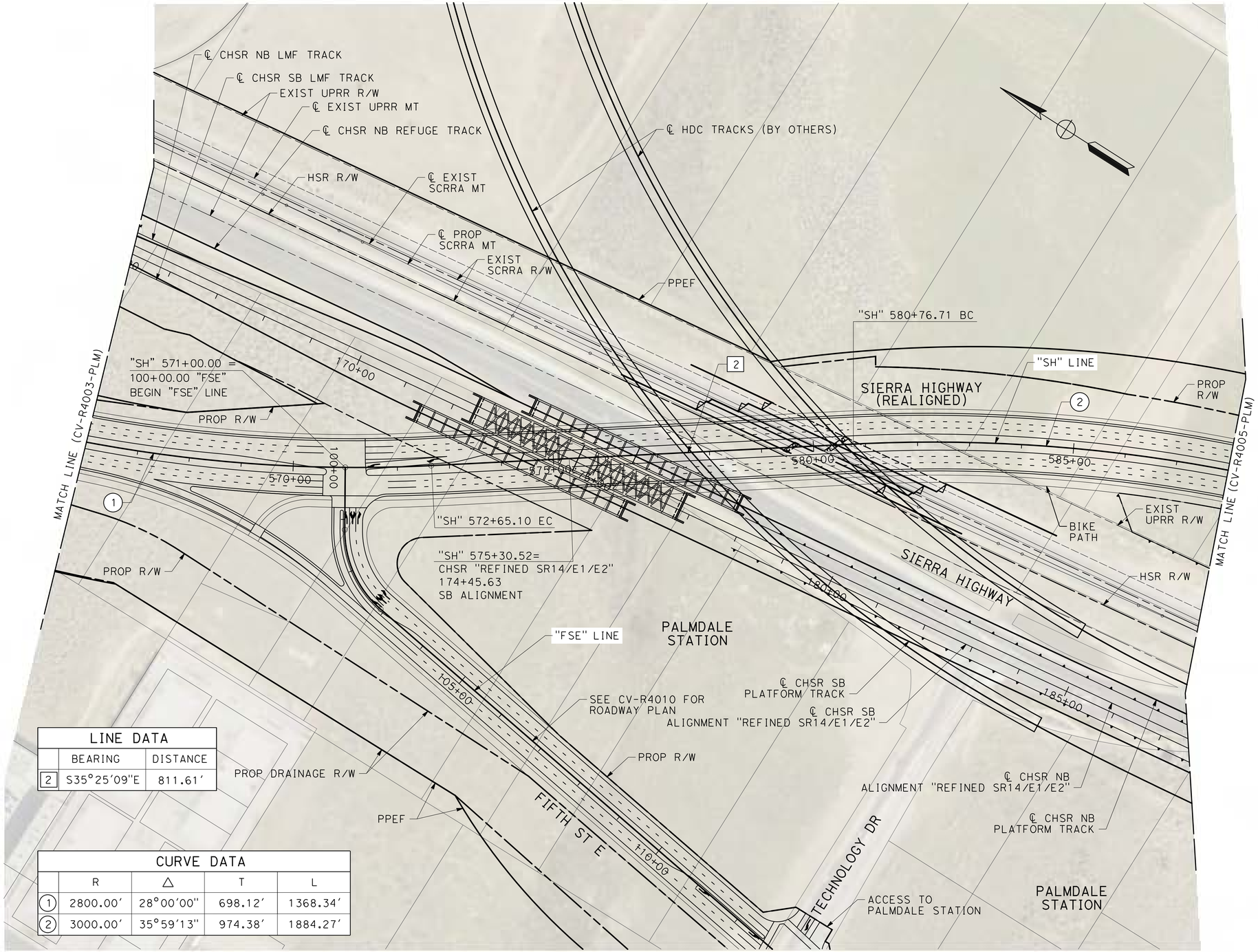

LINE DATA		
	BEARING	DISTANCE
2	S35°25'09"E	811.61'

CURVE DATA				
	R	△	T	L
1	2800.00'	28°00'00"	698.12'	1368.34'
2	3000.00'	35°59'13"	974.38'	1884.27'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R400-PLM
SCALE AS SHOWN
SHEET NO.

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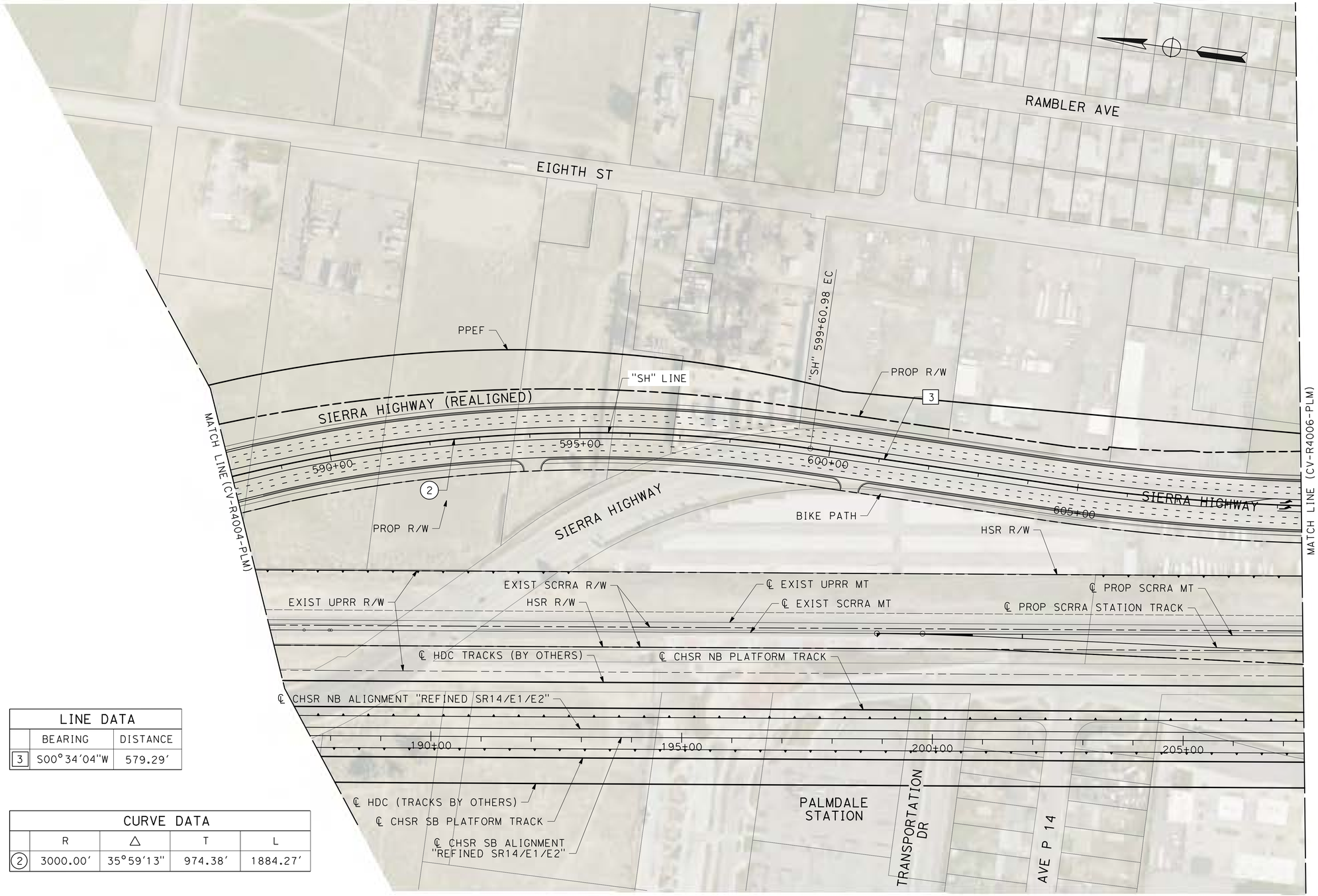

LINE DATA		
	BEARING	DISTANCE
3	S00°34'04"W	579.29'

CURVE DATA				
	R	△	T	L
2	3000.00'	35°59'13"	974.38'	1884.27'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4005-PLM
SCALE AS SHOWN
SHEET NO.

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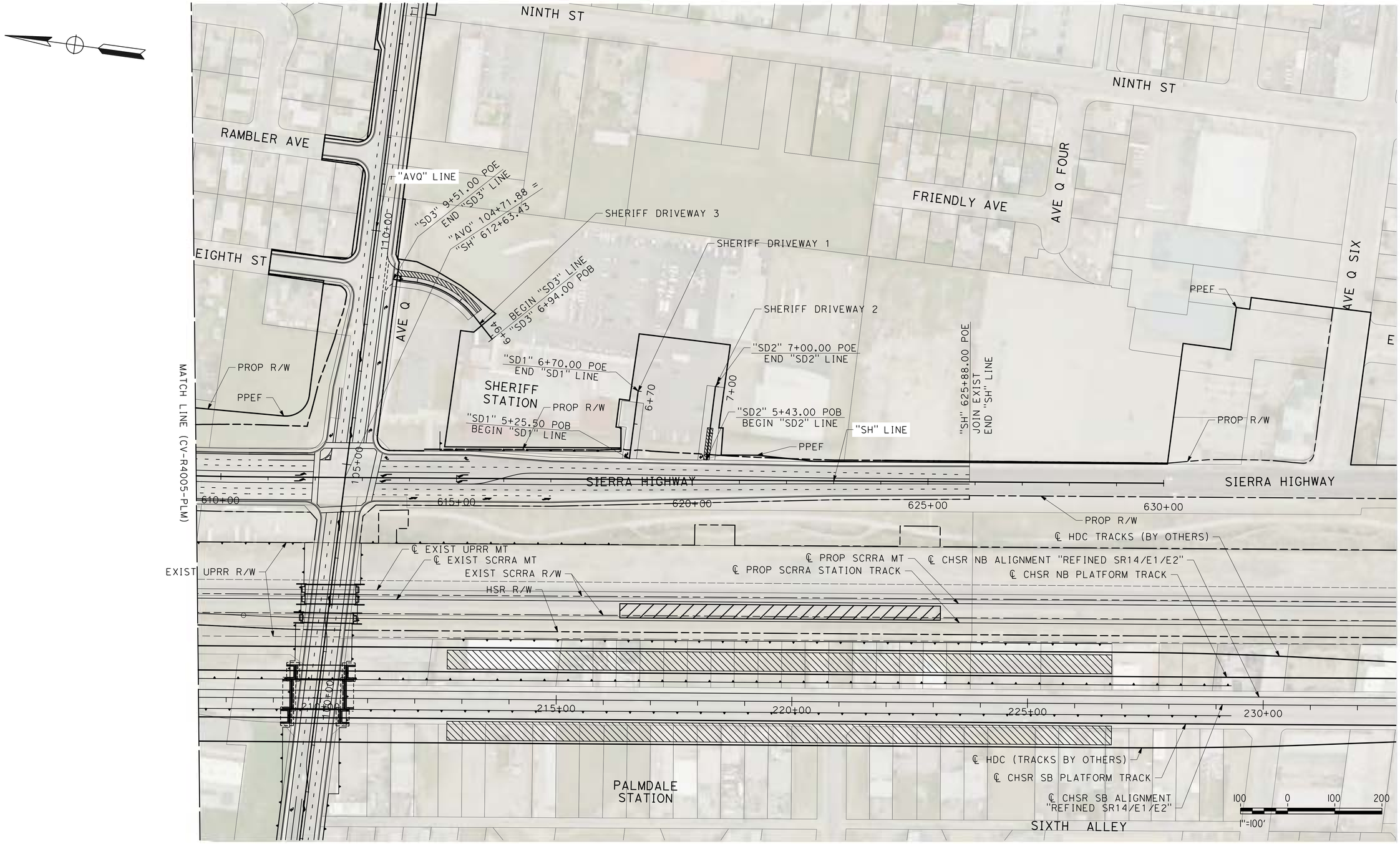

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELAÑO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

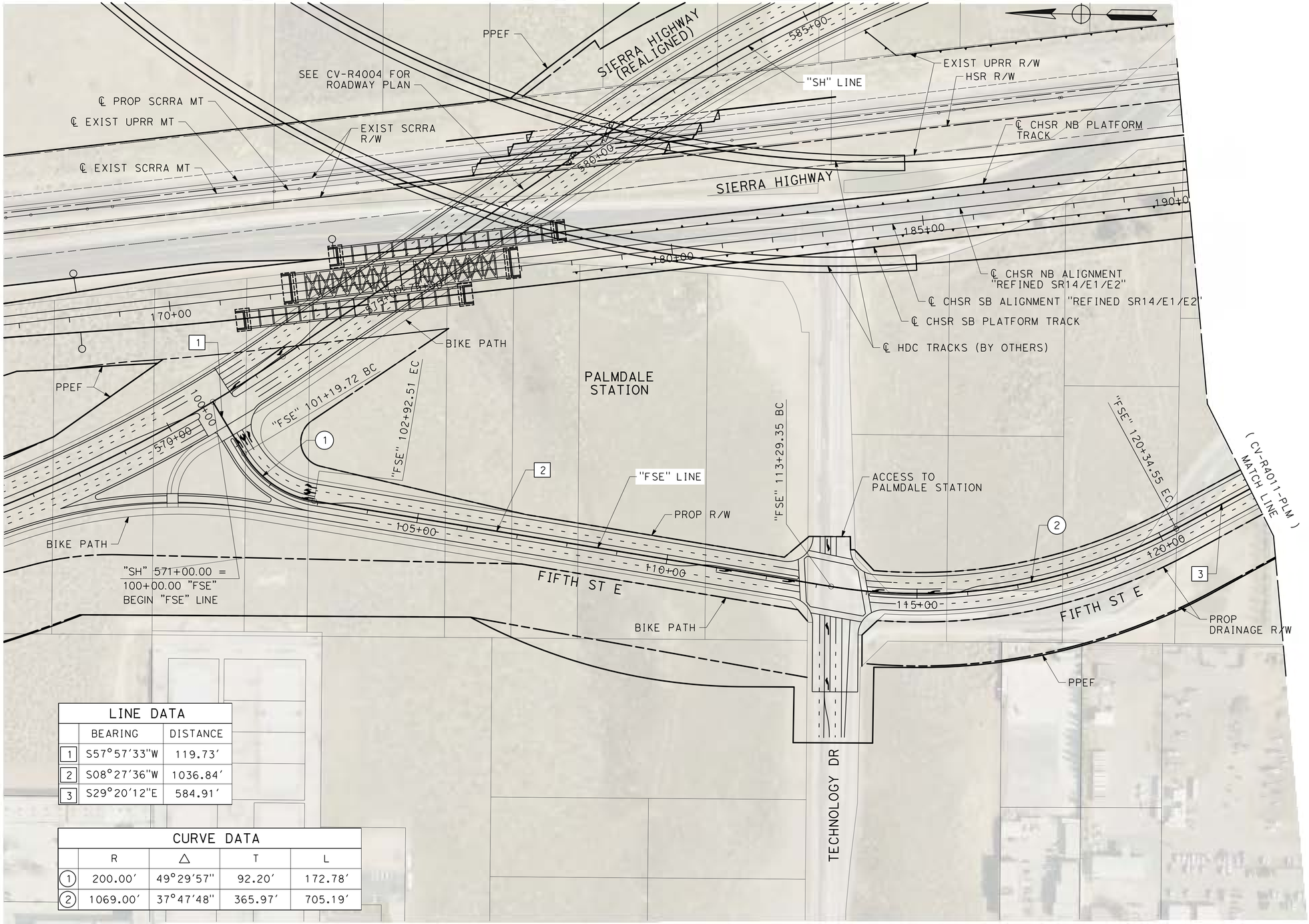
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4006-PLM
SCALE AS SHOWN
SHEET NO.



LINE DATA		
	BEARING	DISTANCE
1	S57°57'33"W	119.73'
2	S08°27'36"W	1036.84'
3	S29°20'12"E	584.91'

CURVE DATA				
	R	Δ	T	L
1	200.00'	49°29'57"	92.20'	172.78'
2	1069.00'	37°47'48"	365.97'	705.19'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4010-PLM
SCALE AS SHOWN
SHEET NO.

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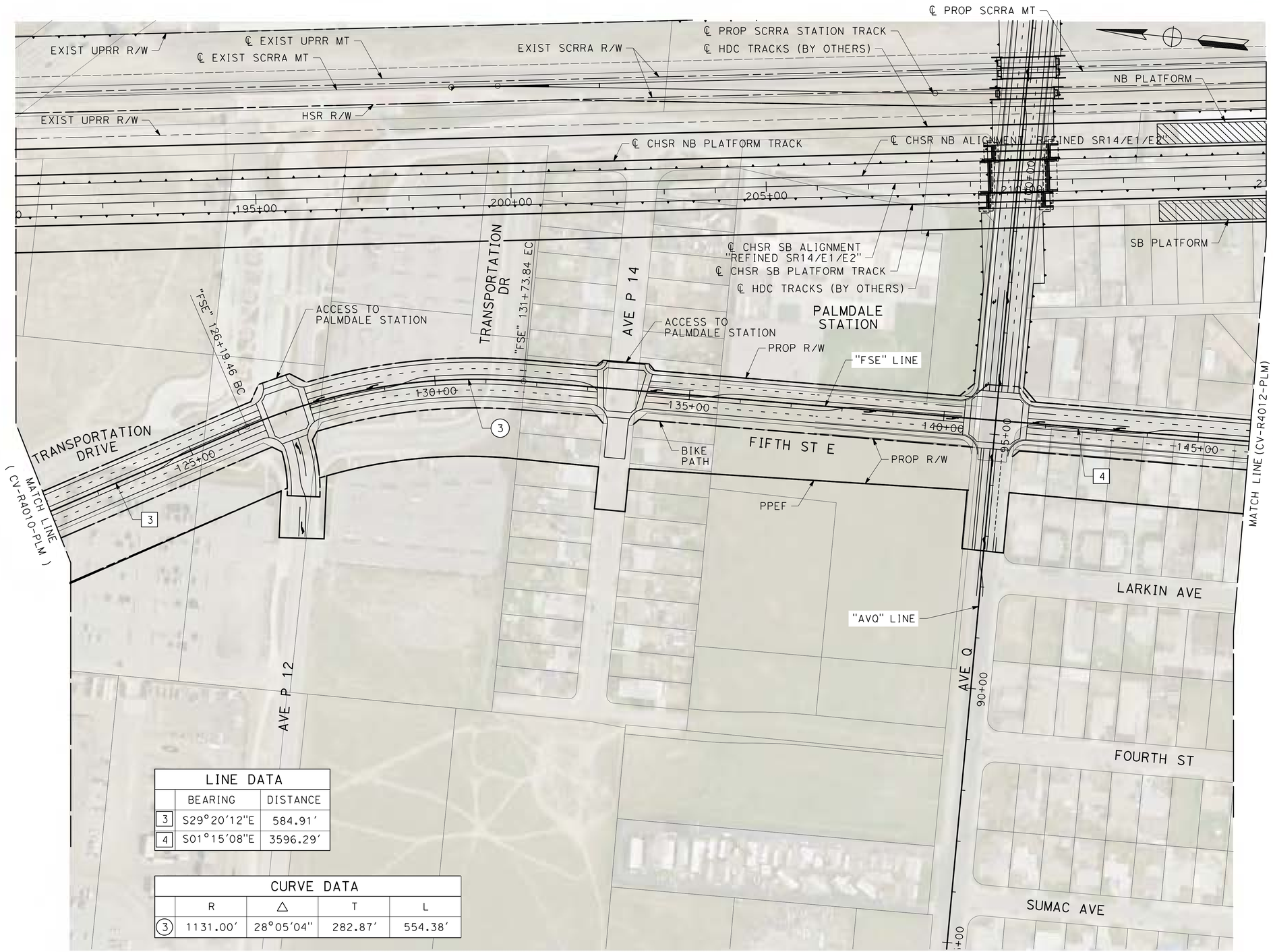

LINE DATA		
	BEARING	DISTANCE
3	S29°20'12"E	584.91'
4	S01°15'08"E	3596.29'

CURVE DATA				
	R	△	T	L
3	1131.00'	28°05'04"	282.87'	554.38'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

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SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4011-PLM
SCALE AS SHOWN
SHEET NO.

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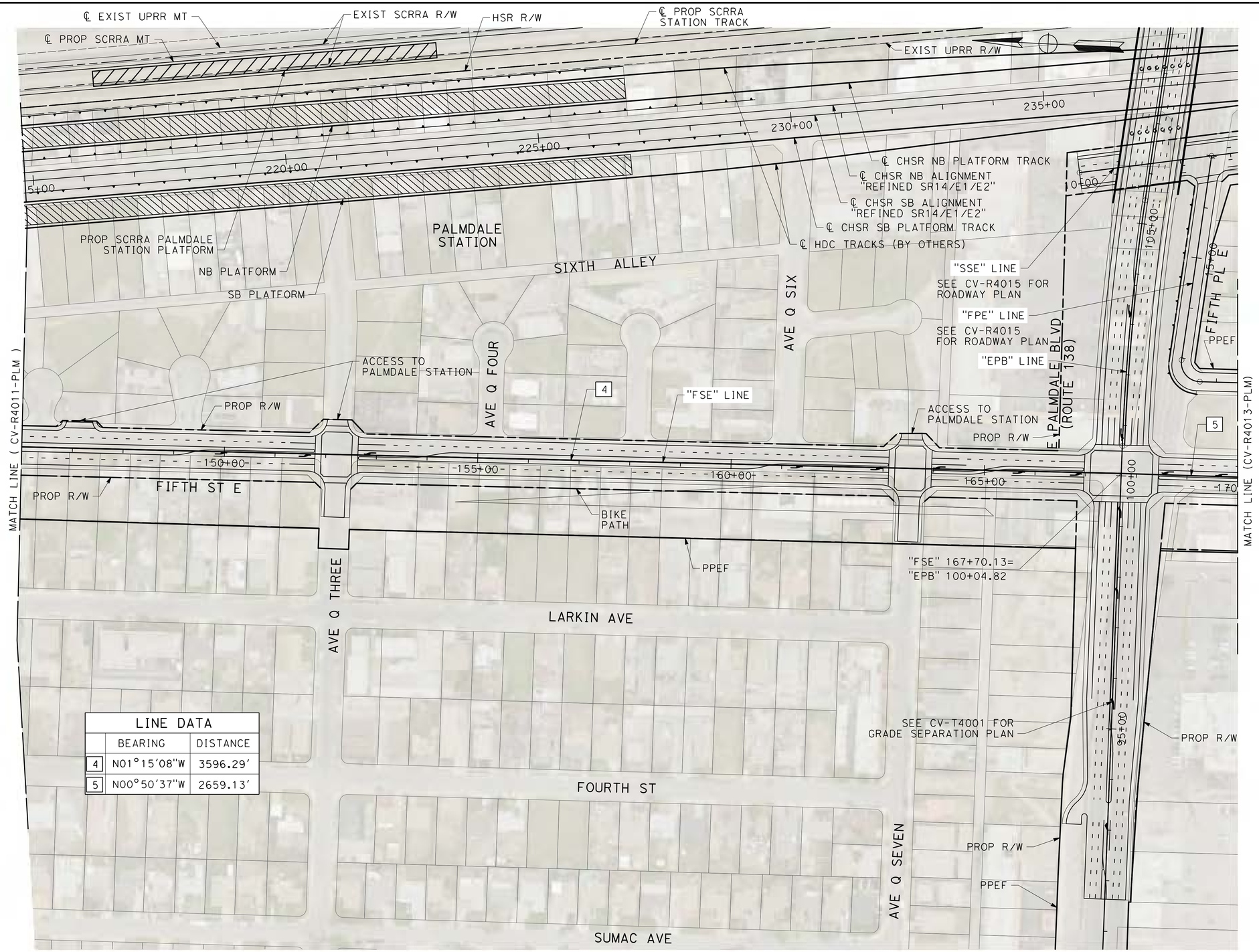

LINE DATA		
	BEARING	DISTANCE
4	N01°15'08"W	3596.29'
5	N00°50'37"W	2659.13'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4012-PLM
SCALE AS SHOWN
SHEET NO.

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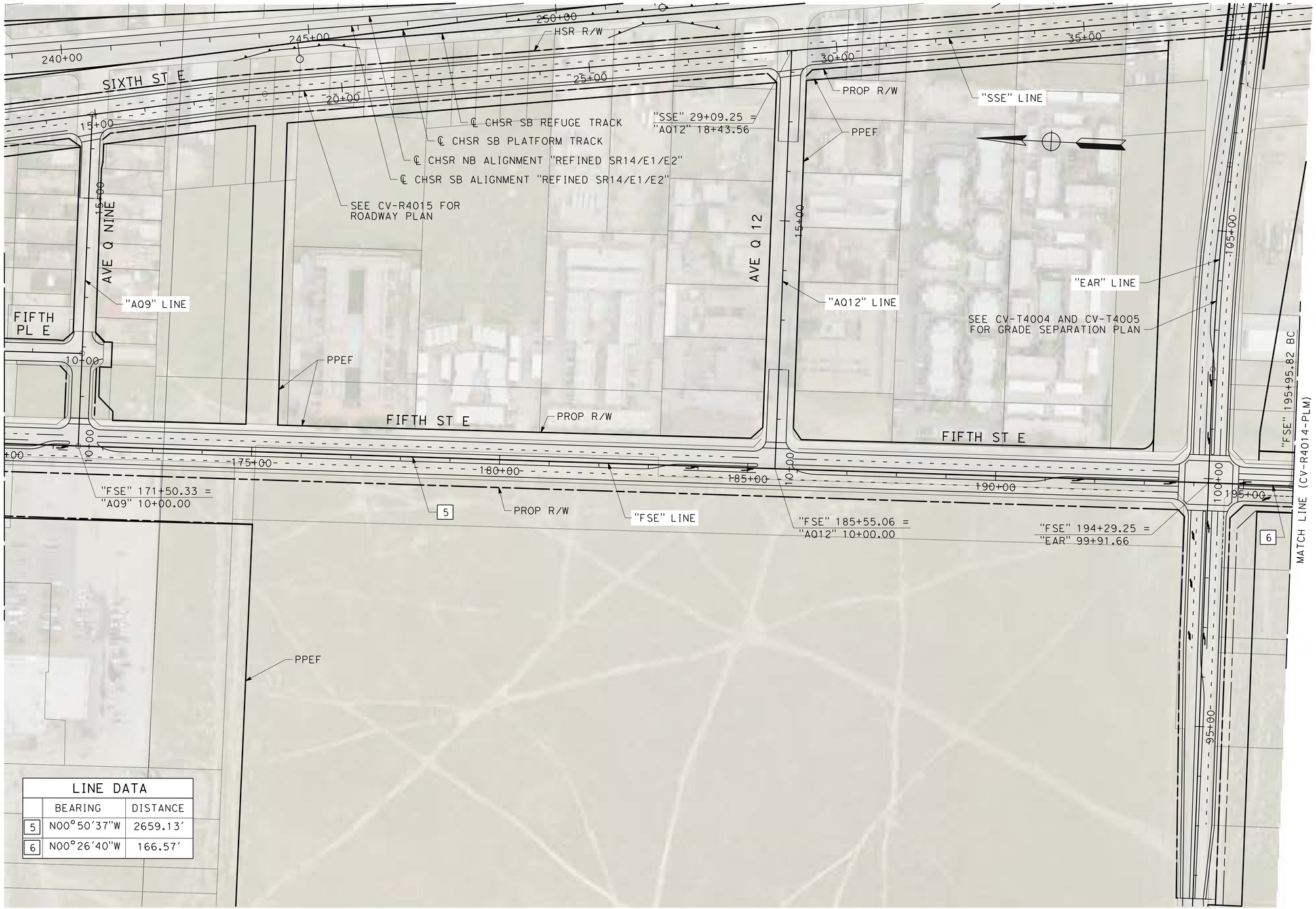

LINE DATA		
	BEARING	DISTANCE
5	N00°50'37"W	2659.13'
6	N00°26'40"W	166.57'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD
REV 01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4013-PLM
SCALE AS SHOWN
SHEET NO.

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LINE DATA		
	BEARING	DISTANCE
7	N03°12'20"W	106.02'
8	S00°26'40"E	403.76'

CURVE DATA				
	R	△	T	L
4	2200.00'	02°45'40"	53.02'	106.02'
5	2200.00'	02°45'40"	53.02'	106.02'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4014-PLM
SCALE AS SHOWN
SHEET NO.

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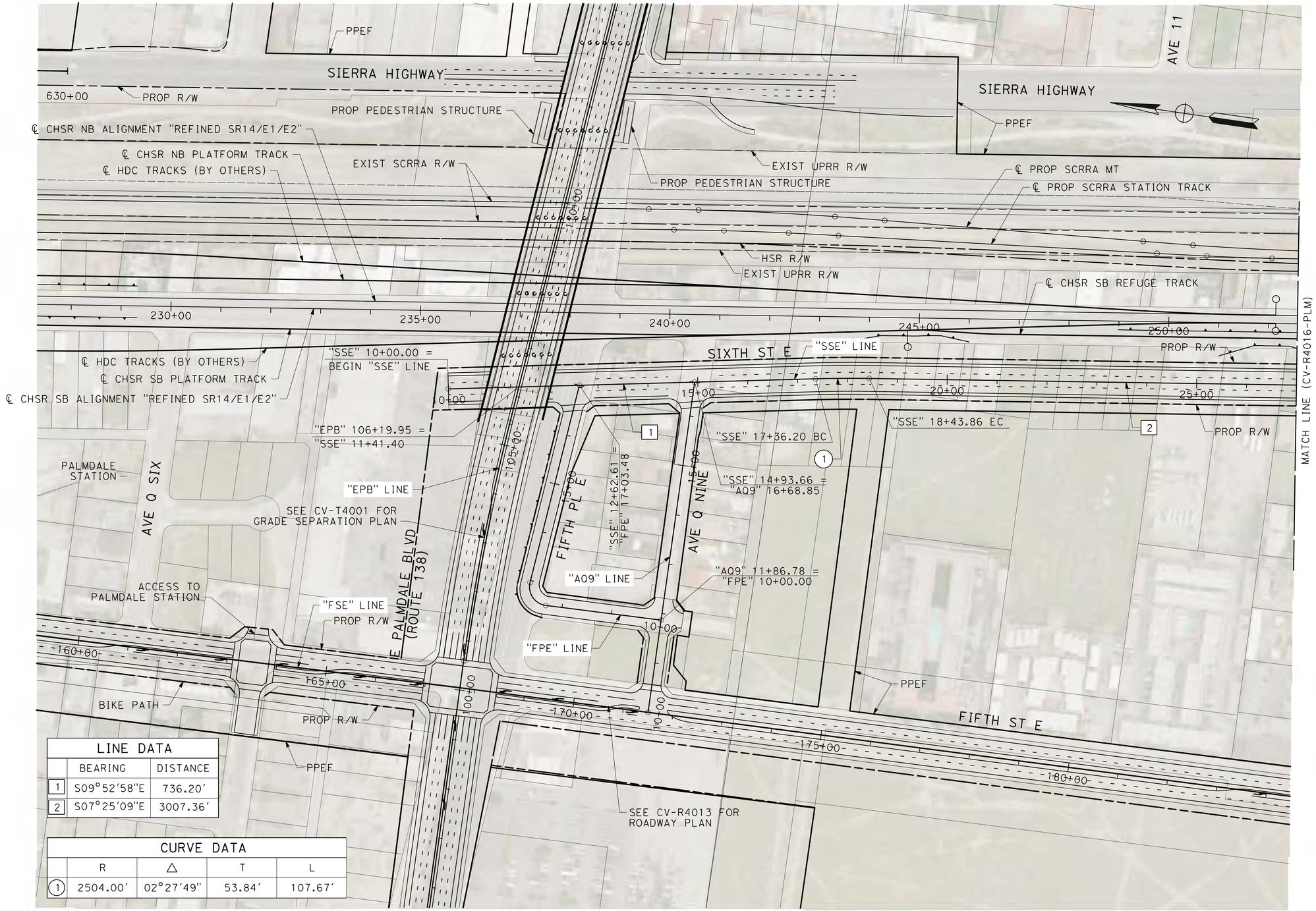

LINE DATA		
	BEARING	DISTANCE
1	S09°52'58"E	736.20'
2	S07°25'09"E	3007.36'

CURVE DATA				
	R	△	T	L
1	2504.00'	02°27'49"	53.84'	107.67'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SIXTH STREET EAST AND FIFTH PLACE EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4015-PLM
SCALE AS SHOWN
SHEET NO.

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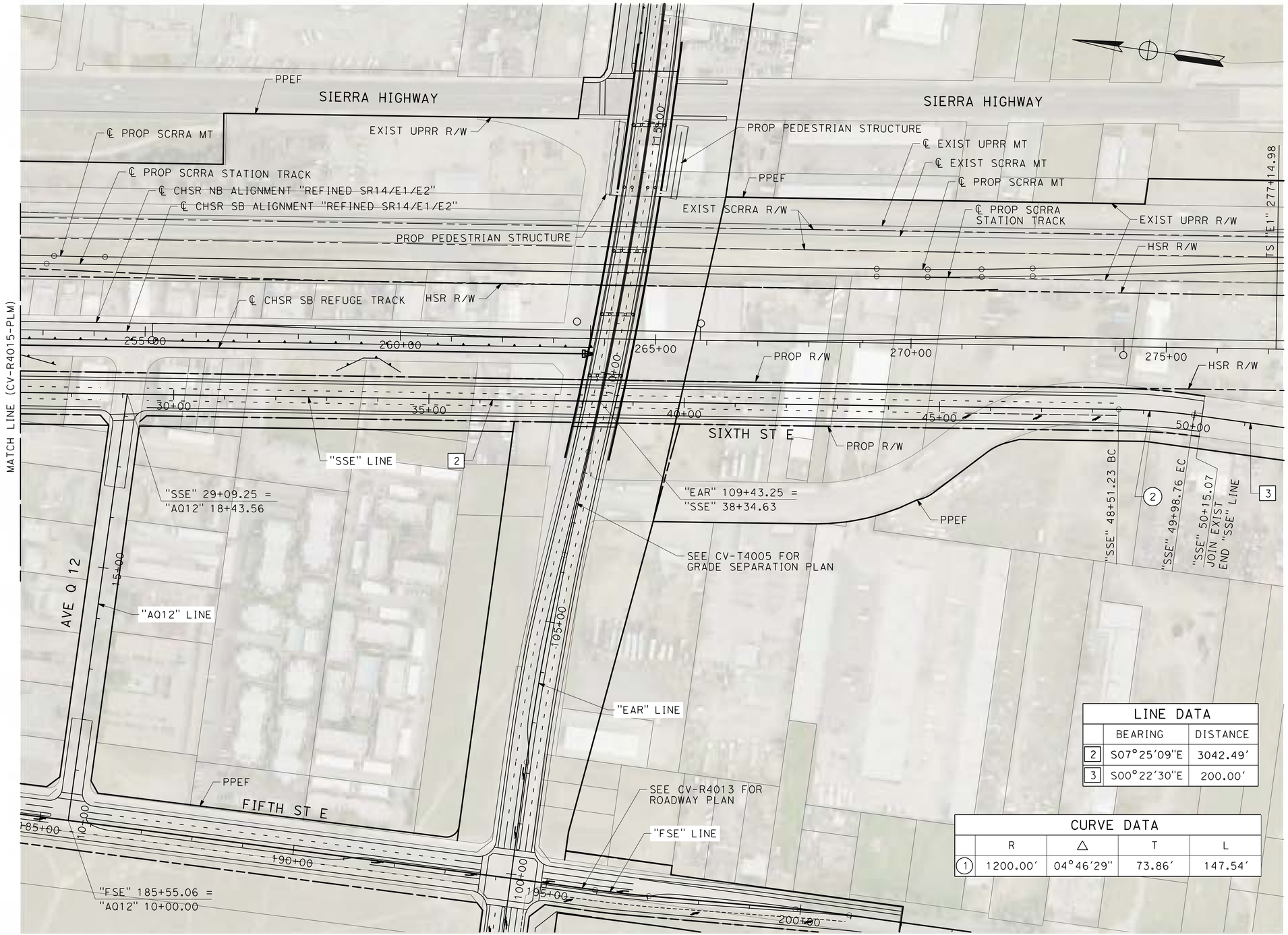

LINE DATA		
	BEARING	DISTANCE
2	S07°25'09"E	3042.49'
3	S00°22'30"E	200.00'

CURVE DATA				
	R	△	T	L
1	1200.00'	04°46'29"	73.86'	147.54'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SIXTH STREET EAST
ROADWAY PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-R4016-PLM
SCALE AS SHOWN
SHEET NO.

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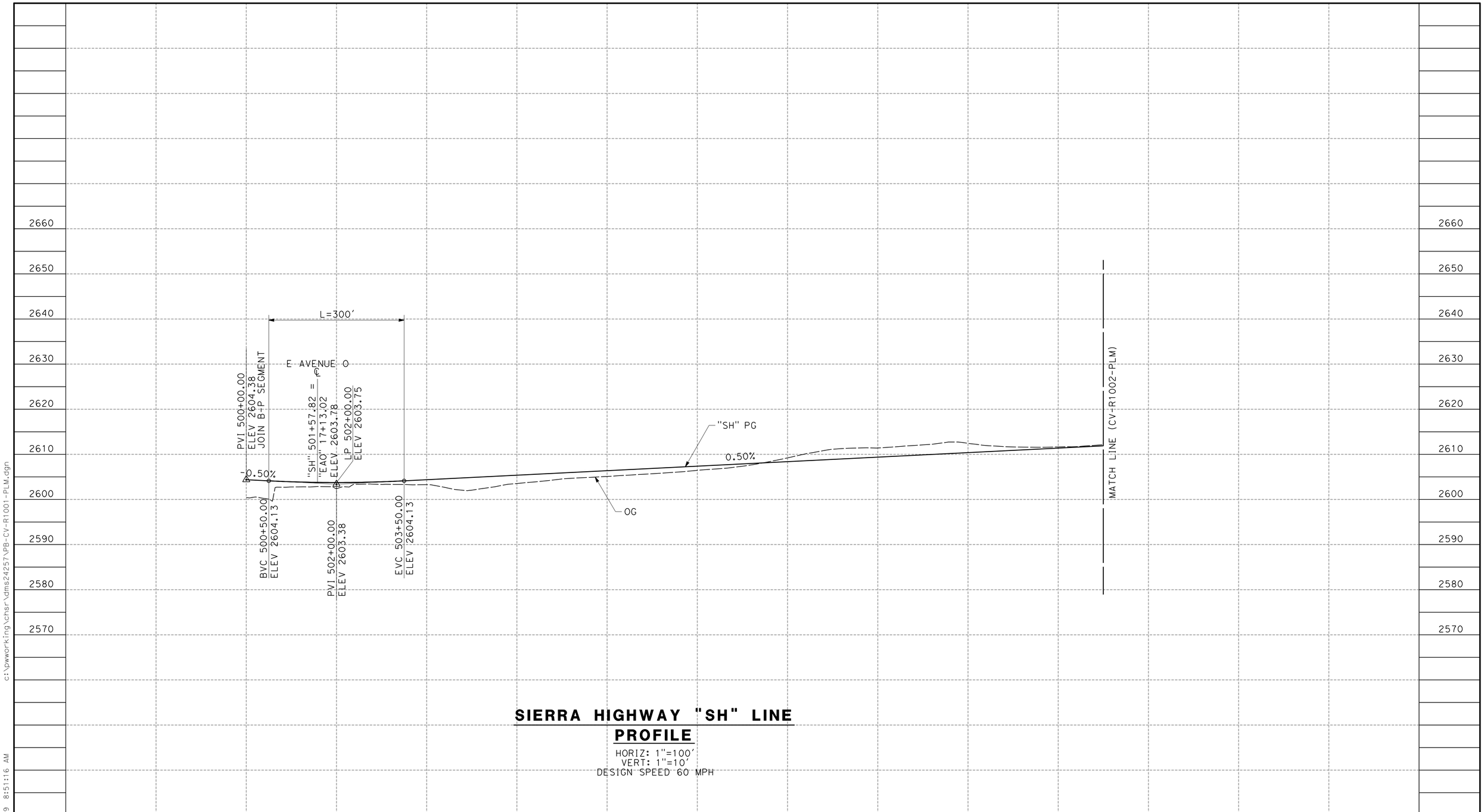

SIERRA HIGHWAY "SH" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION	500+00	502+00	504+00	506+00	508+00	510+00	512+00	514+00	516+00	518+00	520+00	TOTAL
CY Exc												
CY Emb												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELAÑO
DATE 02/01/2019

PALMDALE SUBSECTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1001-PLM
SCALE AS SHOWN
SHEET NO.

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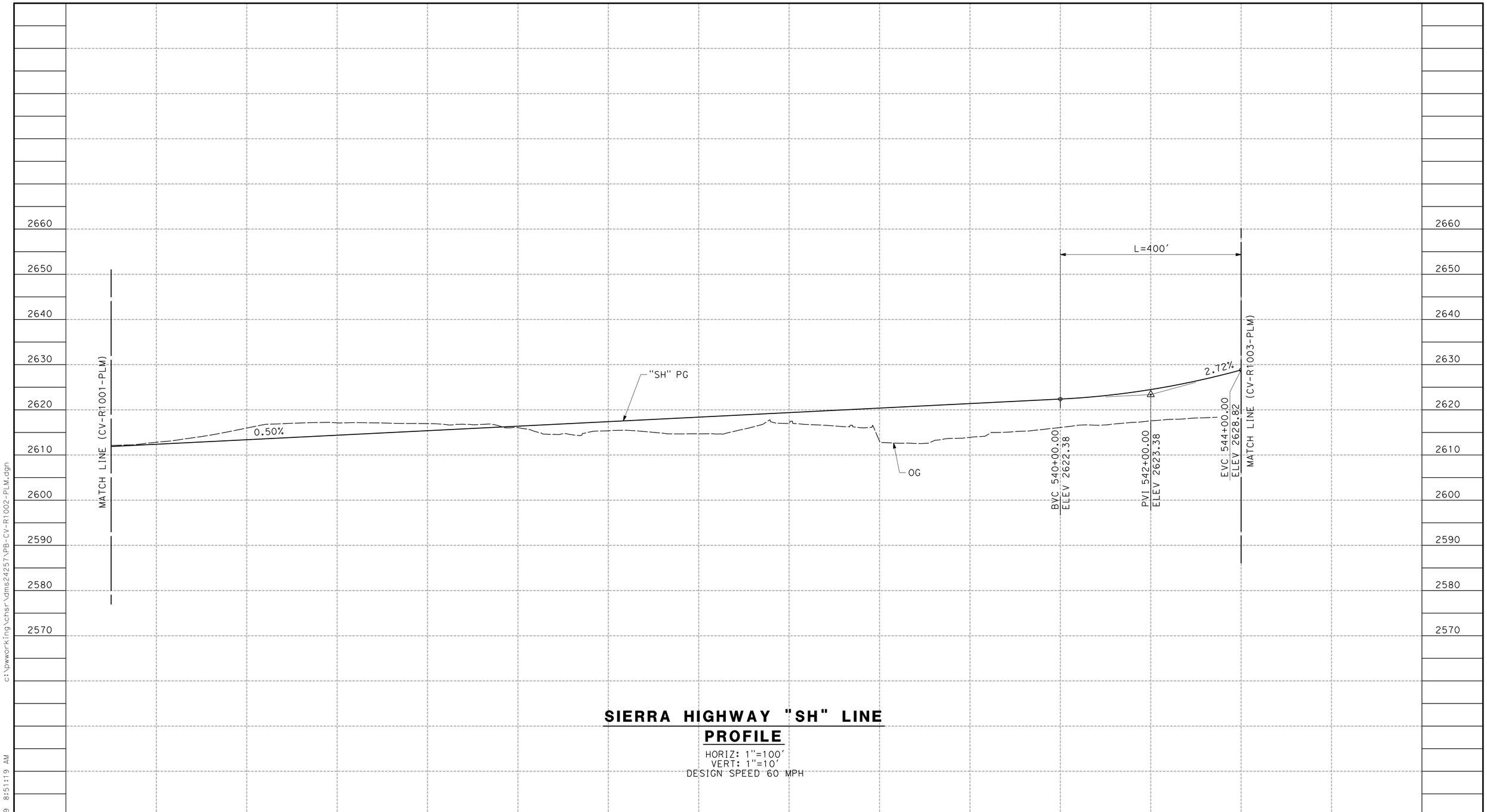

SIERRA HIGHWAY "SH" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1002-PLM
SCALE AS SHOWN
SHEET NO.

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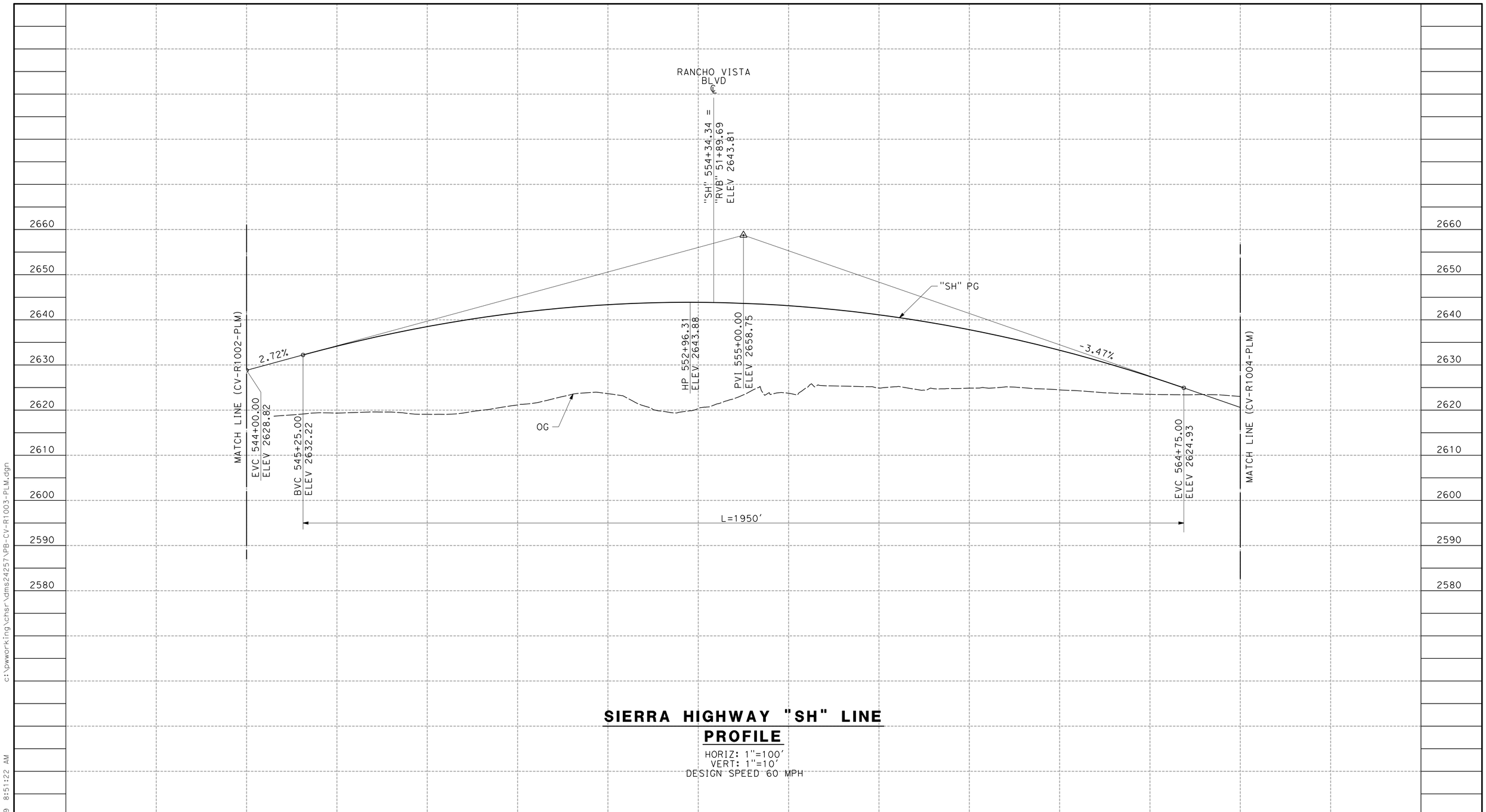

SIERRA HIGHWAY "SH" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION		544+00	546+00	548+00	550+00	552+00	554+00	556+00	558+00	560+00	562+00	564+00	566+00	TOTAL
CY	Exc													
	Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1003-PLM
SCALE AS SHOWN
SHEET NO.

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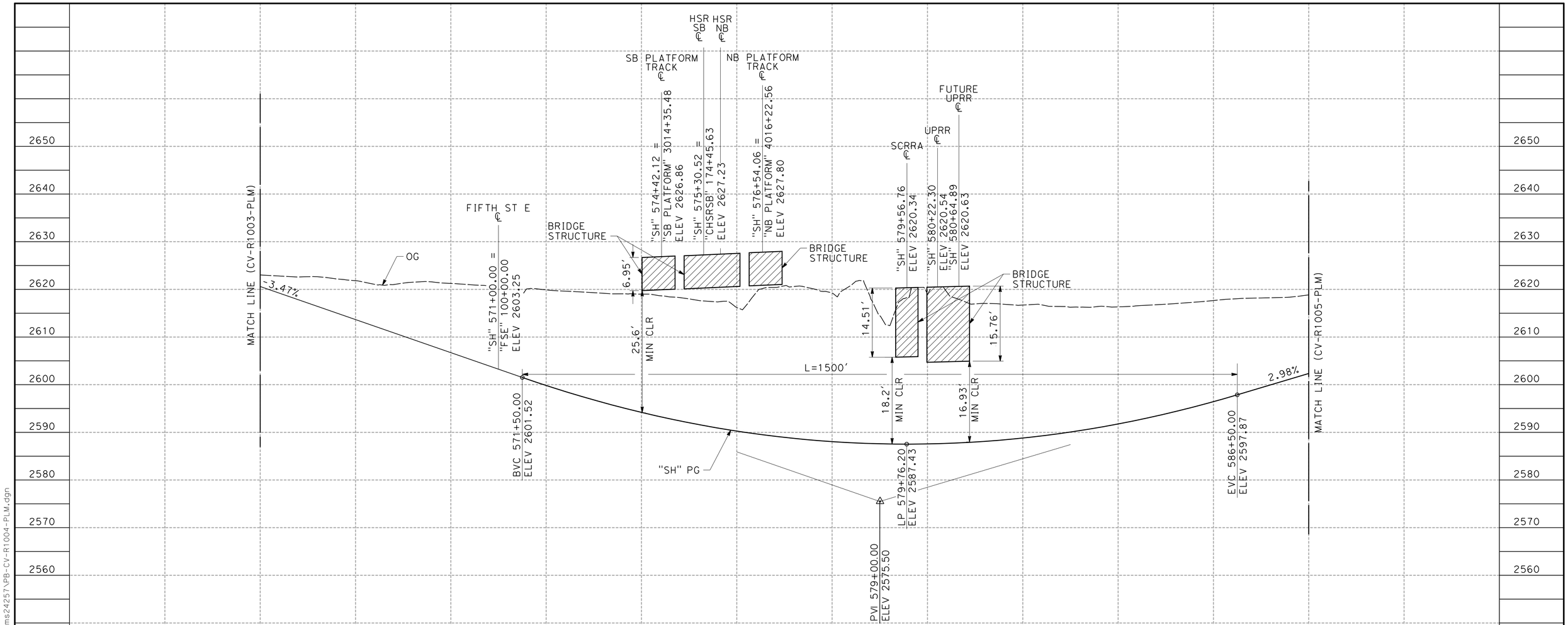

SIERRA HIGHWAY "SH" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION	566+00	568+00	570+00	572+00	574+00	576+00	578+00	580+00	582+00	584+00	586+00	588+00	TOTAL
CY Exc													
CY Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1004-PLM
SCALE AS SHOWN
SHEET NO.

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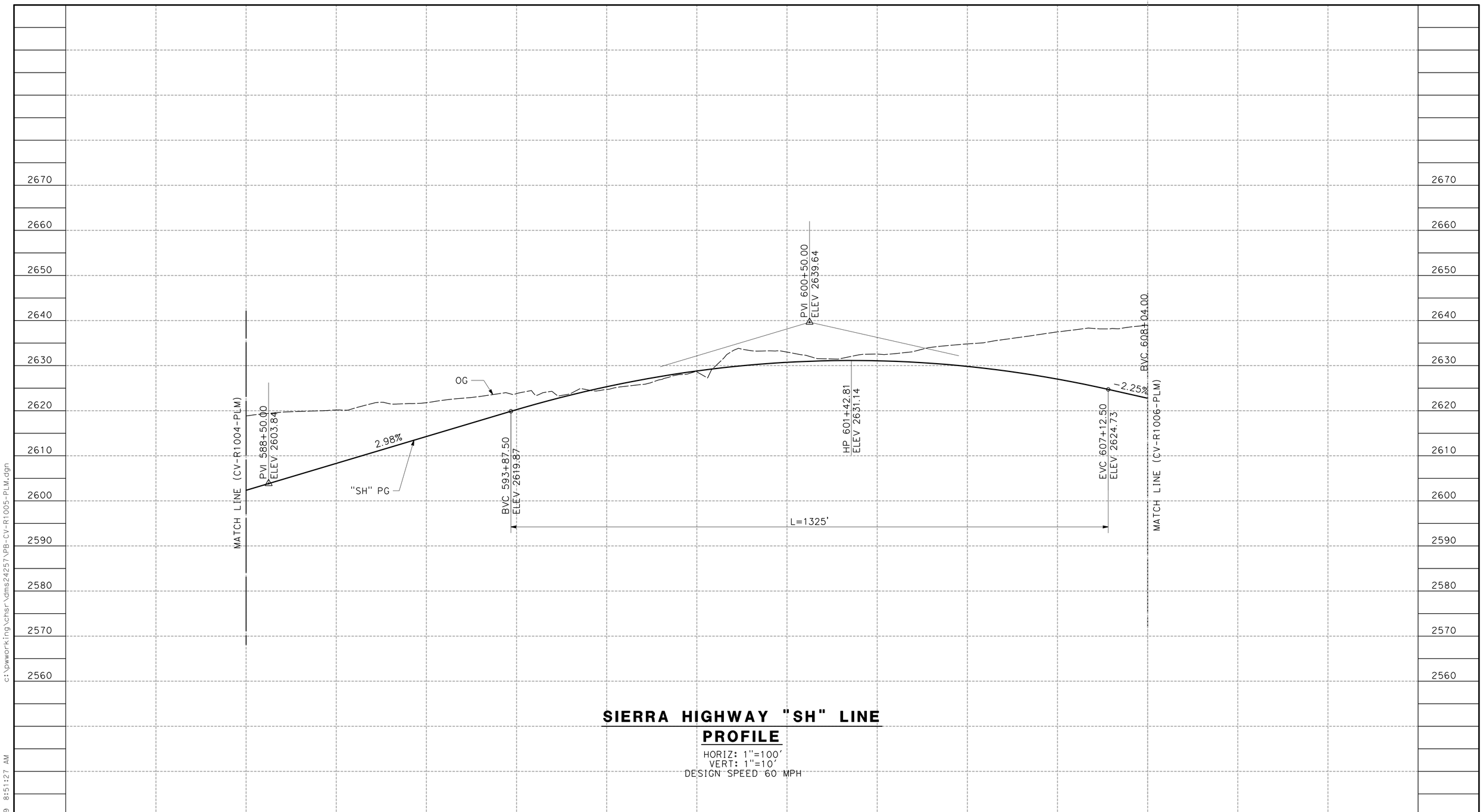

SIERRA HIGHWAY "SH" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION	588+00	590+00	592+00	594+00	596+00	598+00	600+00	602+00	604+00	606+00	608+00	TOTAL
CY Exc												
CY Emb												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1005-PLM
SCALE AS SHOWN
SHEET NO.

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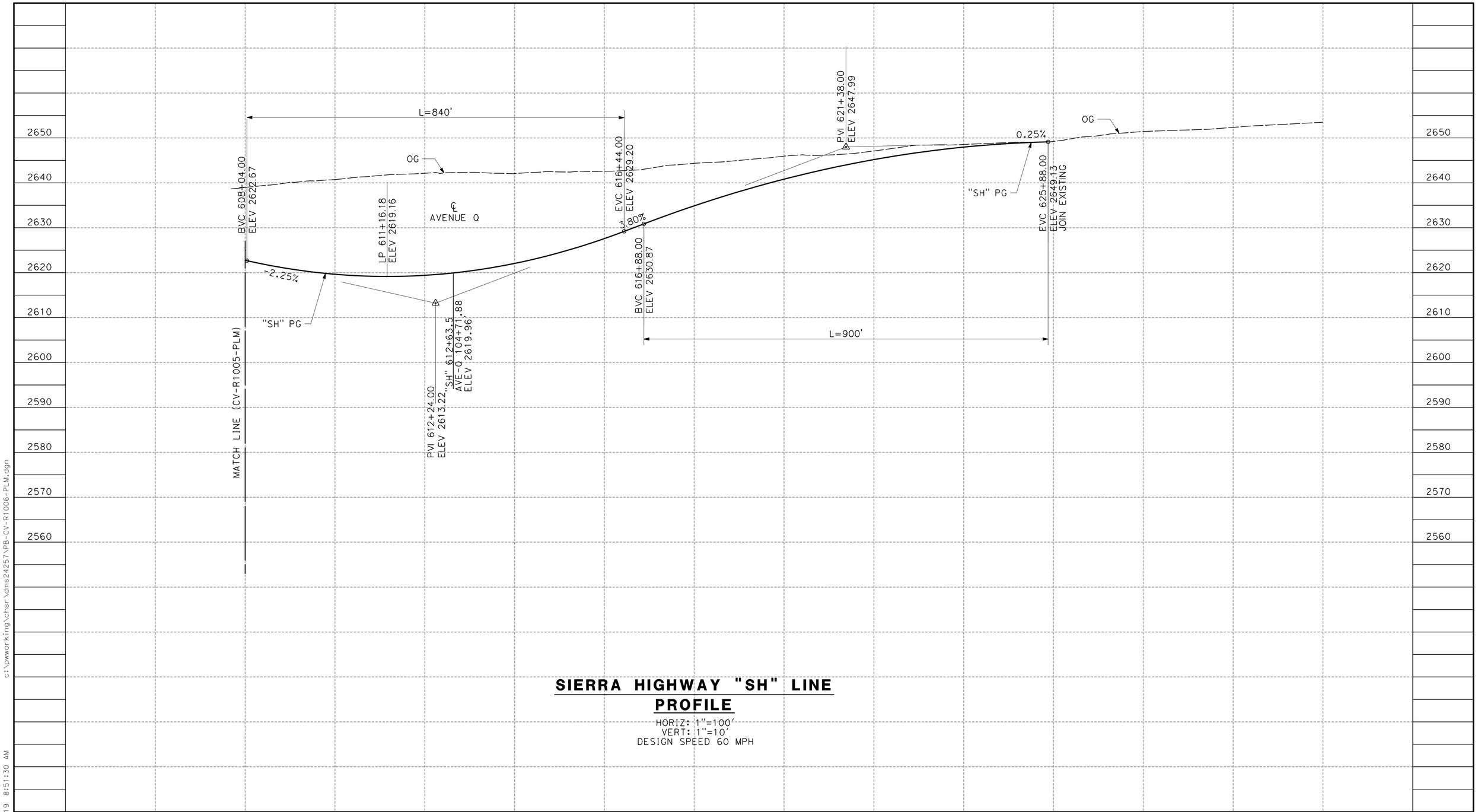

SIERRA HIGHWAY "SH" LINE PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1006-PLM
SCALE AS SHOWN
SHEET NO.

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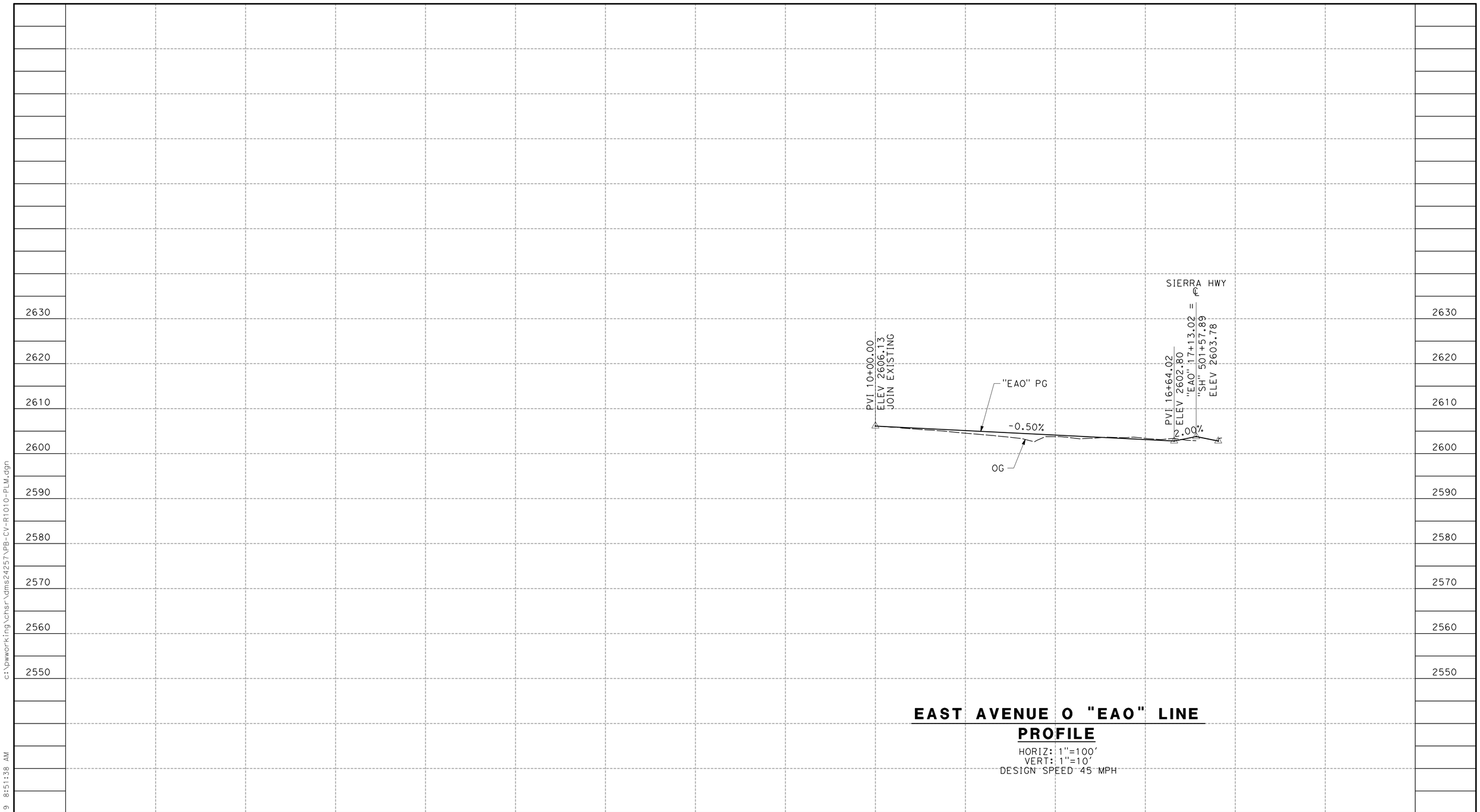

EAST AVENUE O "EAO" LINE

PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 45 MPH

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE O
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1010-PLM
SCALE AS SHOWN
SHEET NO.

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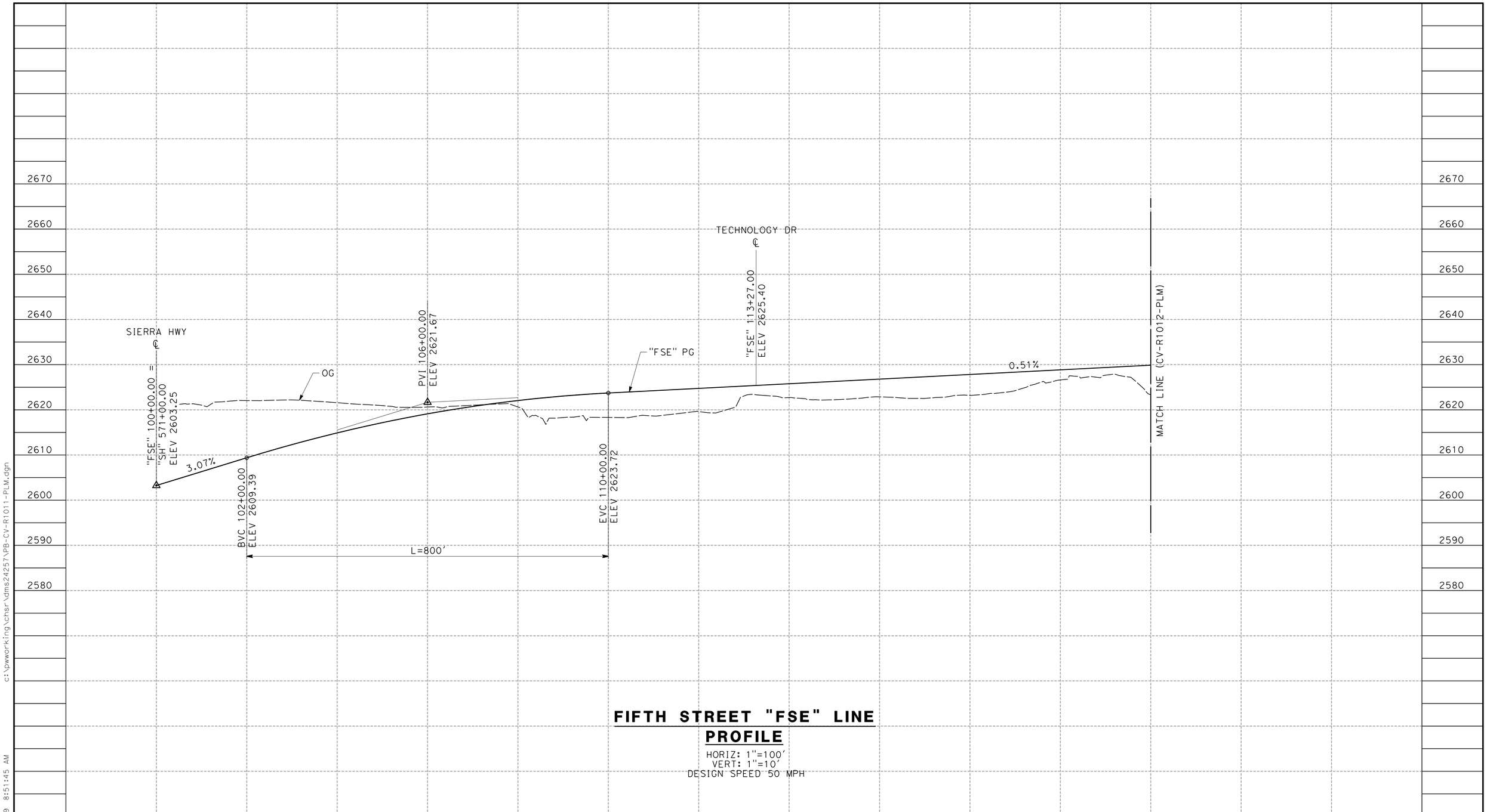

STATION	100+00	102+00	104+00	106+00	108+00	110+00	112+00	114+00	116+00	118+00	120+00	122+00	TOTAL
CY Exc													
CY Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1011-PLM
SCALE AS SHOWN
SHEET NO.

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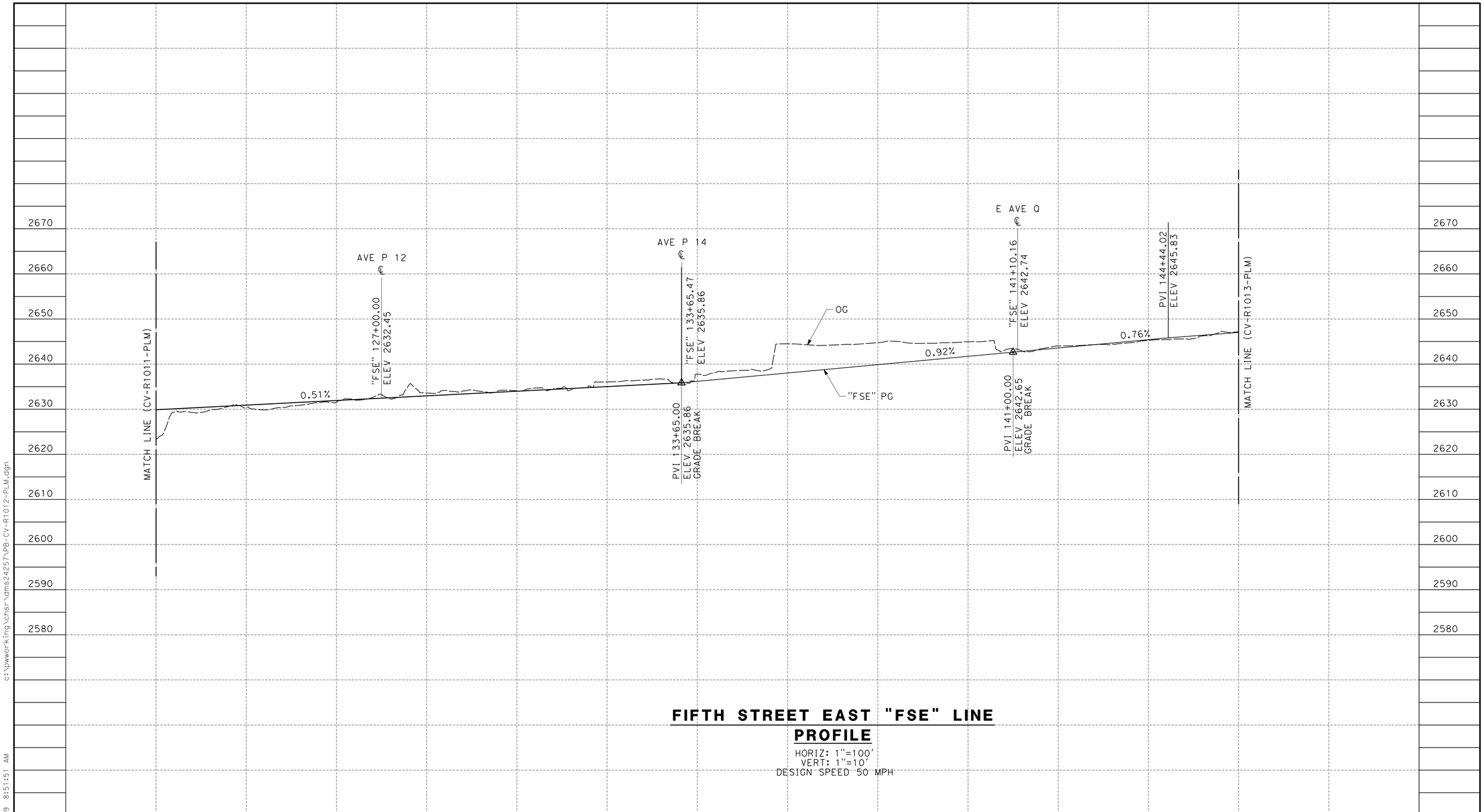

FIFTH STREET EAST "FSE" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 50 MPH

STATION	122+00	124+00	126+00	128+00	130+00	132+00	134+00	136+00	138+00	140+00	142+00	144+00	146+00	TOTAL
CY Exc														
CY Emb														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1012-PLM
SCALE AS SHOWN
SHEET NO.

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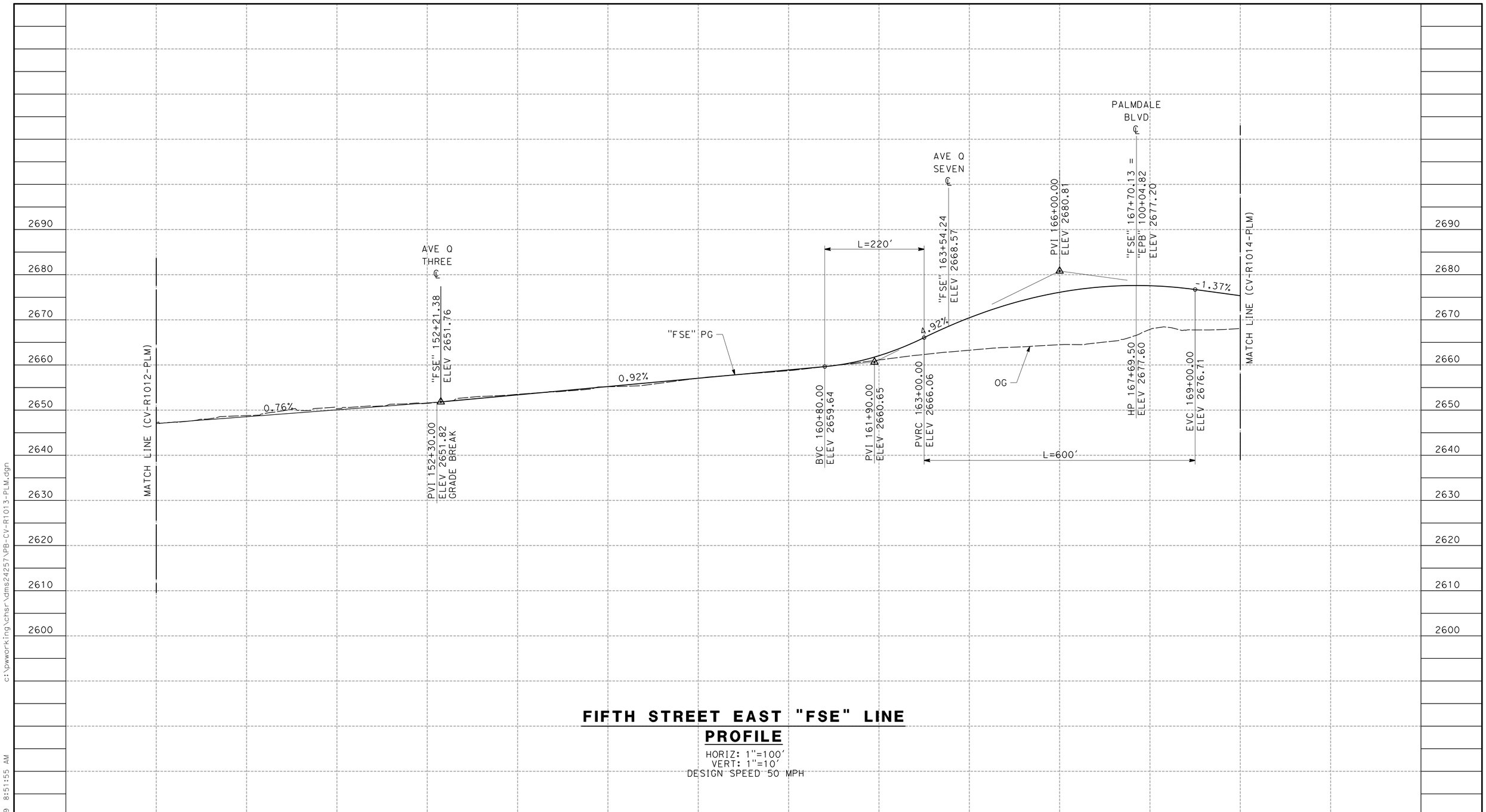

FIFTH STREET EAST "FSE" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 50 MPH

STATION	146+00	148+00	150+00	152+00	154+00	156+00	158+00	160+00	162+00	164+00	166+00	168+00	170+00	TOTAL
CY Exc														
CY Emb														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1013-PLM
SCALE AS SHOWN
SHEET NO.

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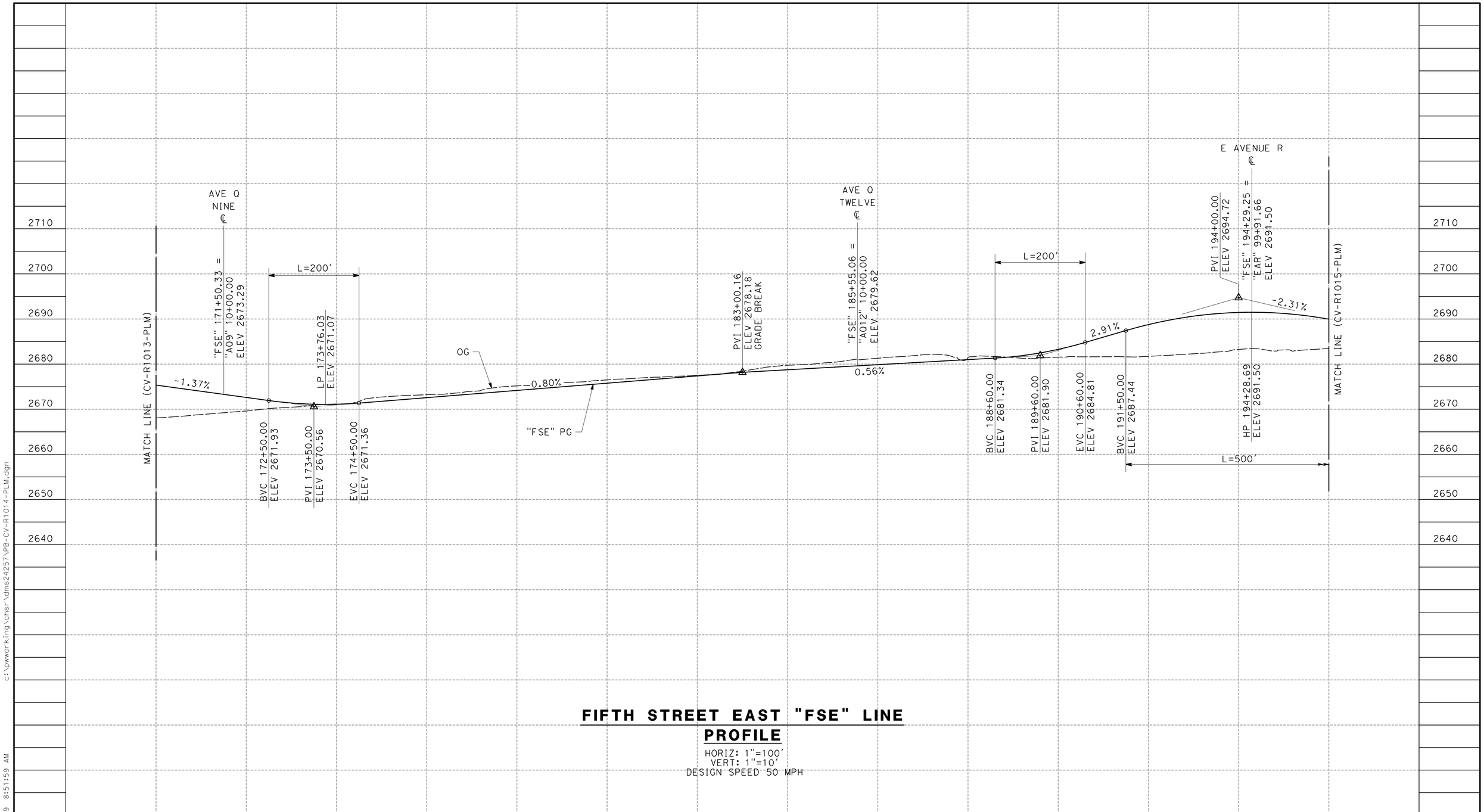

FIFTH STREET EAST "FSE" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 50 MPH

STATION	170+00	172+00	174+00	176+00	178+00	180+00	182+0	184+00	186+00	188+00	190+00	192+00	194+00	196+00	TOTAL
CY Exc															
CY Emb															

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1014-PLM
SCALE AS SHOWN
SHEET NO.

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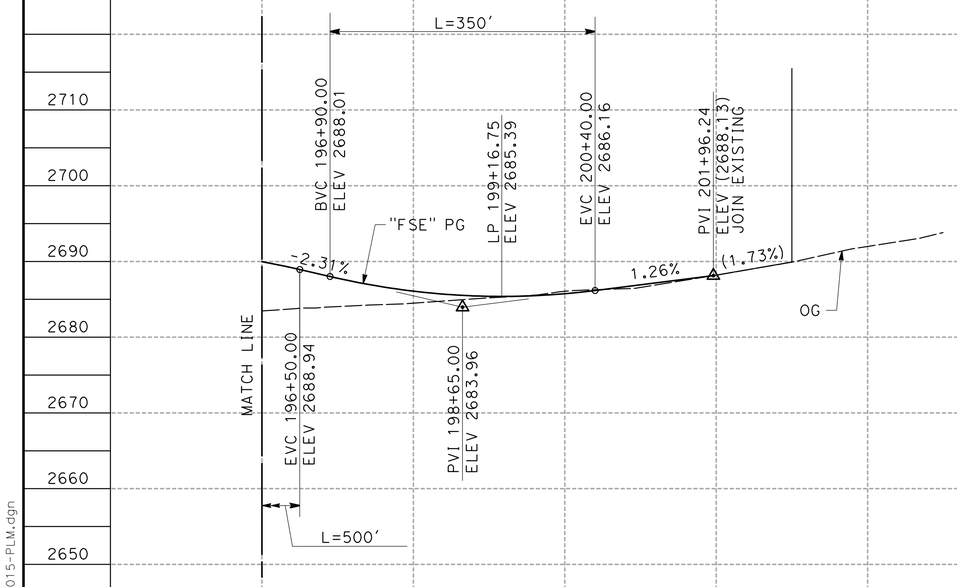
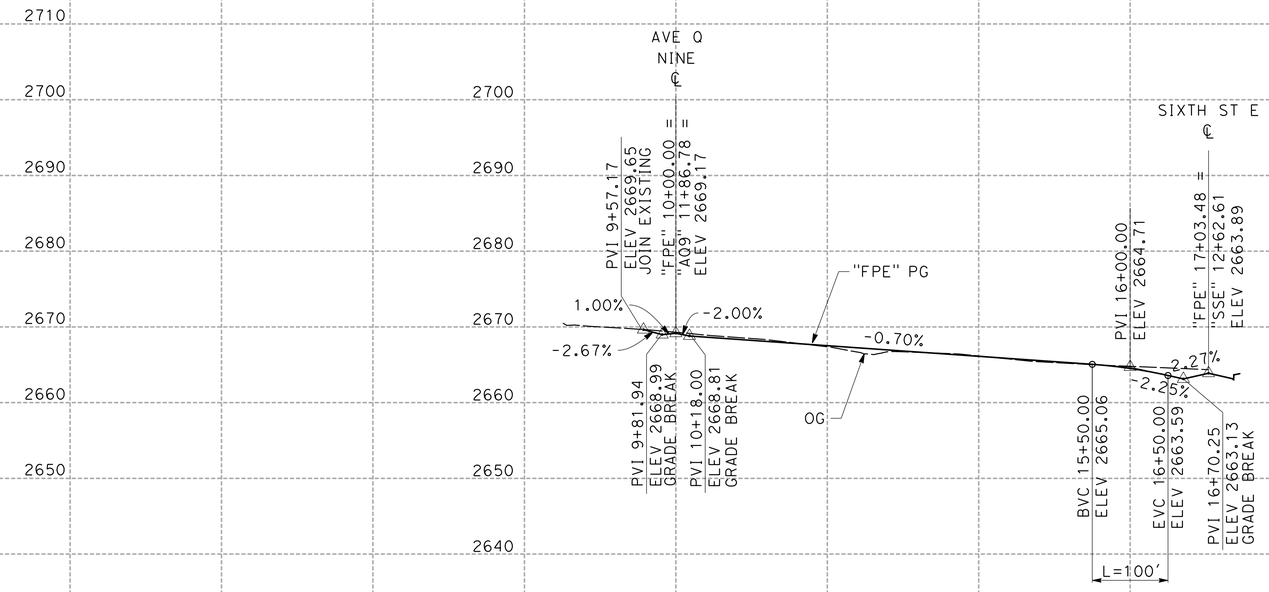


FIFTH STREET EAST "FSE" LINE

PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 50 MPH



FIFTH PLACE EAST "FPE" LINE

PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 35 MPH

STATION		196+00	198+00	200+00	202+00	204+00	8+00	10+00	12+00	14+00	16+00	18+00	TOTAL
CY	Exc												
	Emb												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST AND FIFTH PLACE EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1015-PLM
SCALE AS SHOWN
SHEET NO.

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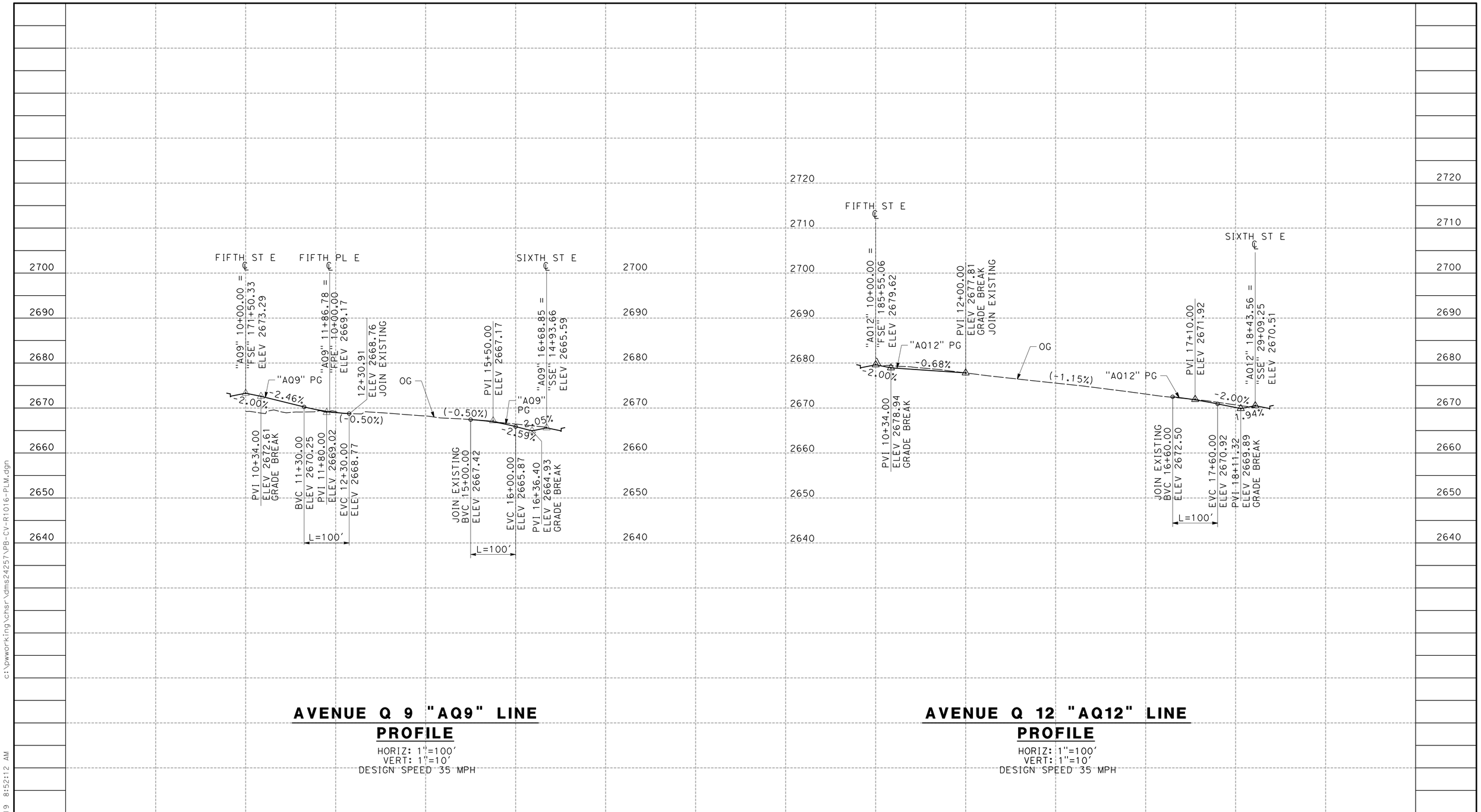

AVENUE Q 9 "AQ9" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 35 MPH

AVENUE Q 12 "AQ12" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 35 MPH

STATION		10+00	12+00	14+00	16+00	18+00	8+00	10+00	12+00	14+00	16+00	18+00	20+00	TOTAL
CY	Exc													
	Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q 9 AND AVENUE Q 12
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1016-PLM
SCALE AS SHOWN
SHEET NO.

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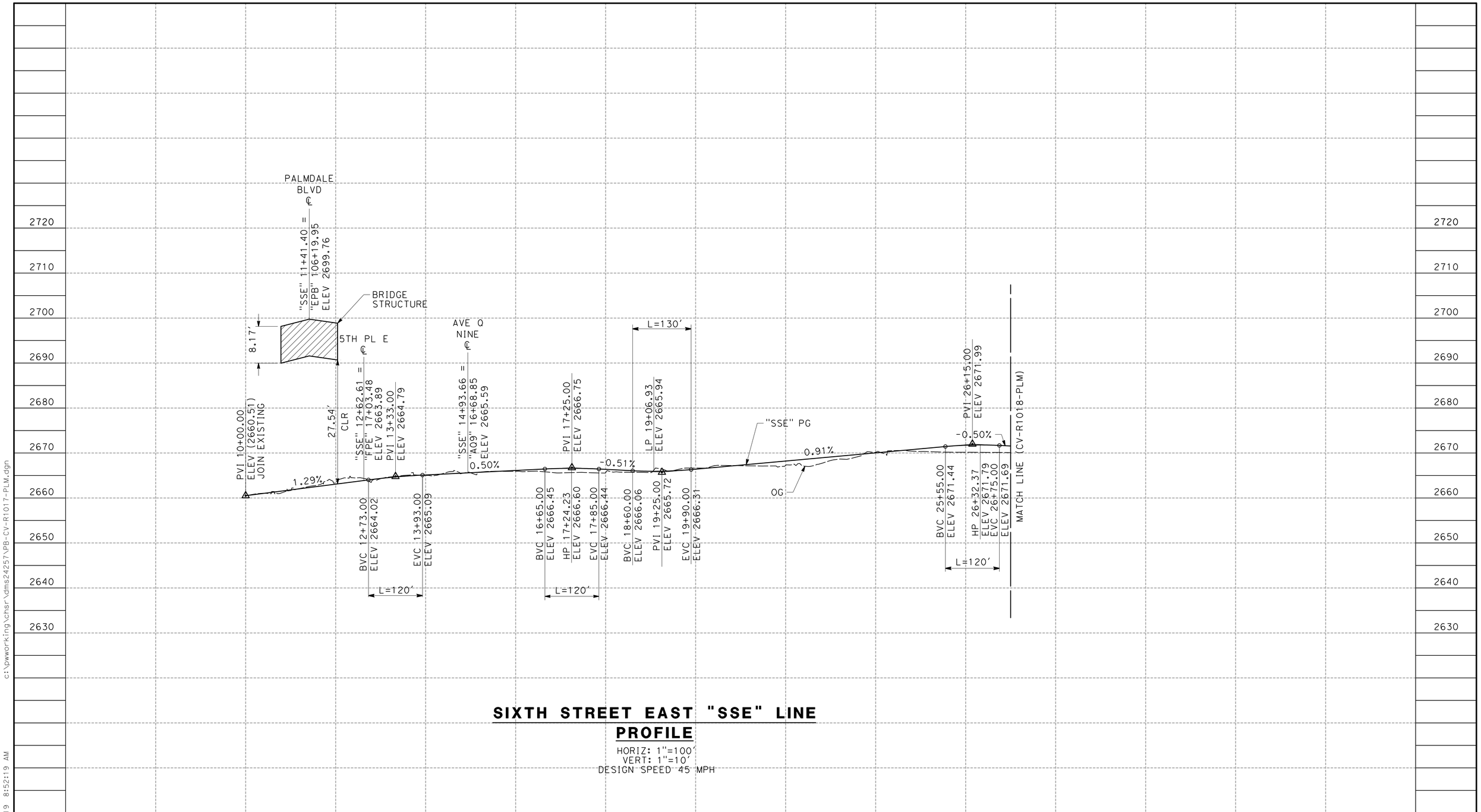

SIXTH STREET EAST "SSE" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 45 MPH

STATION	10+00	12+00	14+00	16+00	18+00	20+00	22+00	24+00	26+00	28+00	TOTAL
CY Exc											
CY Emb											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SIXTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1017-PLM
SCALE AS SHOWN
SHEET NO.

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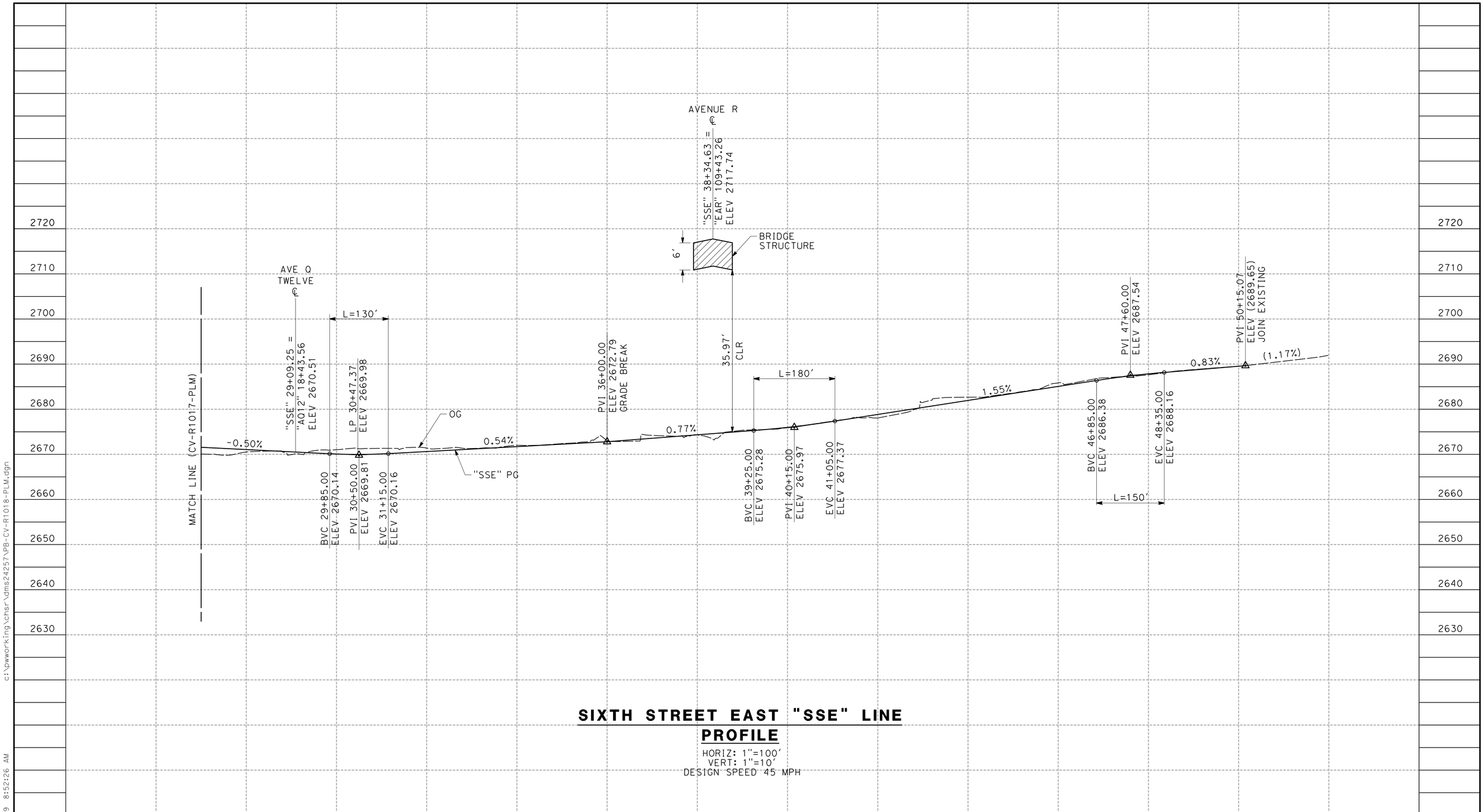

SIXTH STREET EAST "SSE" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 45 MPH

STATION	28+00	30+00	32+00	34+00	36+00	38+00	40+00	42+00	44+00	46+00	48+00	50+00	TOTAL
CY Exc													
CY Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SIXTH STREET EAST
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1018-PLM
SCALE AS SHOWN
SHEET NO.

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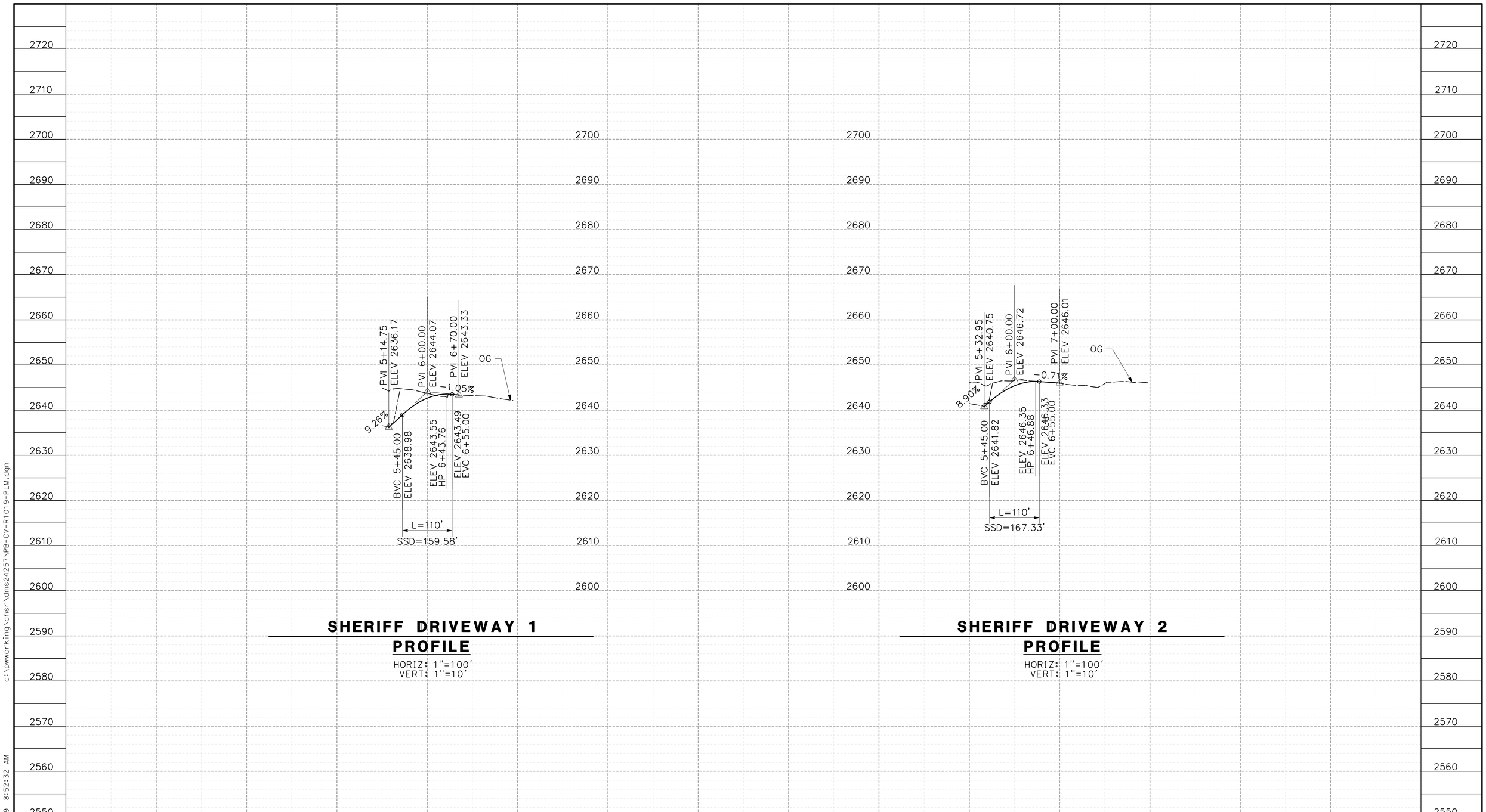

SHERIFF DRIVEWAY 1
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'

SHERIFF DRIVEWAY 2
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SHERIFF DRIVEWAY 1 AND 2
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1019-PLM
SCALE AS SHOWN
SHEET NO.

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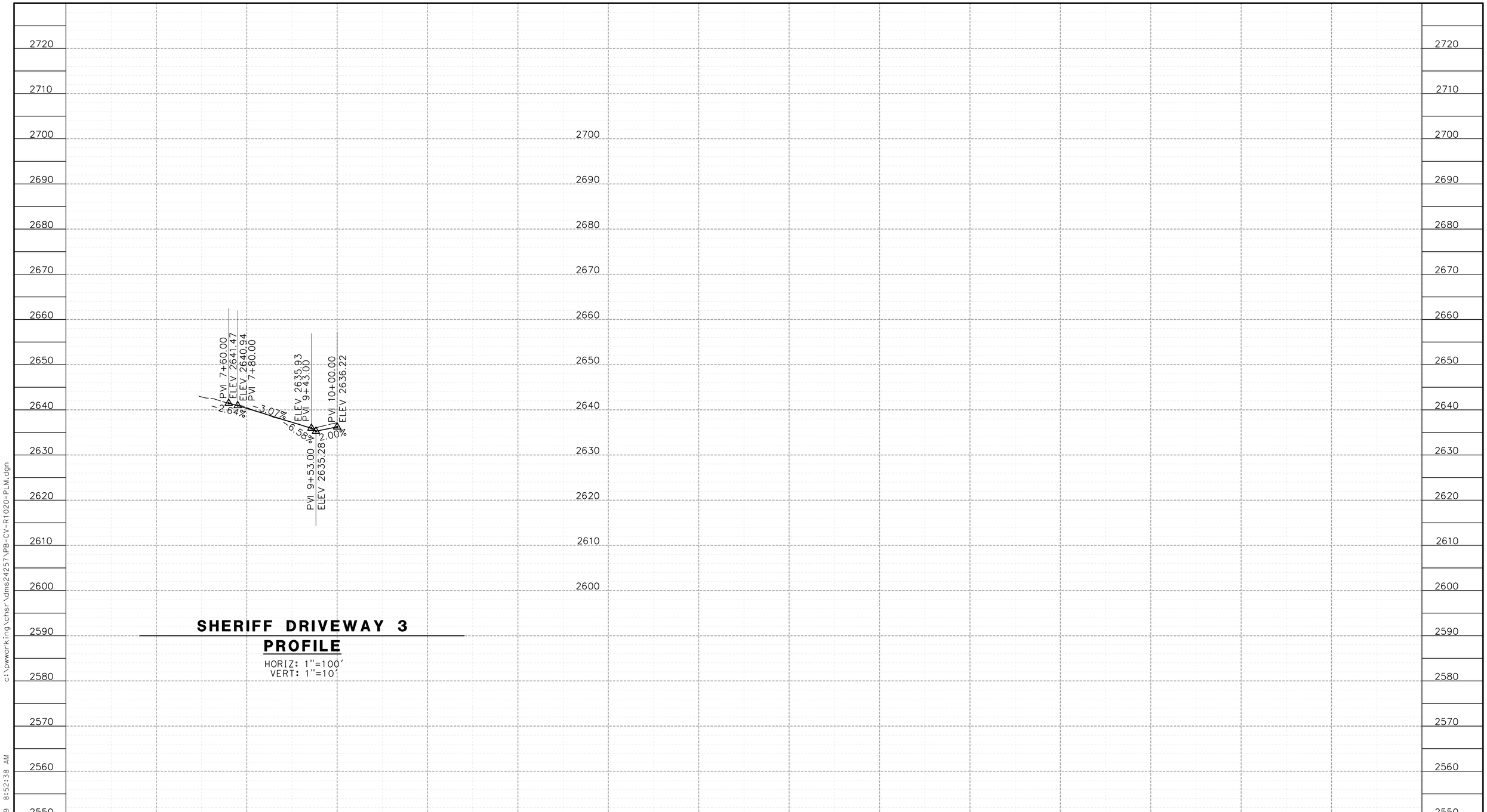

SHERIFF DRIVEWAY 3
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SHERIFF DRIVEWAY 3
ROADWAY PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-R1020-PLM
SCALE AS SHOWN
SHEET NO.

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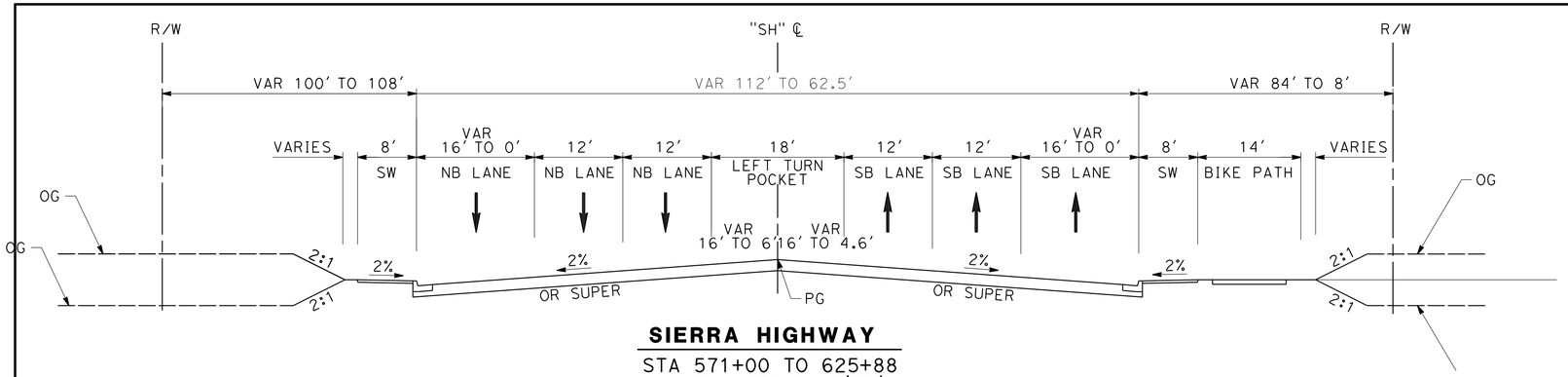
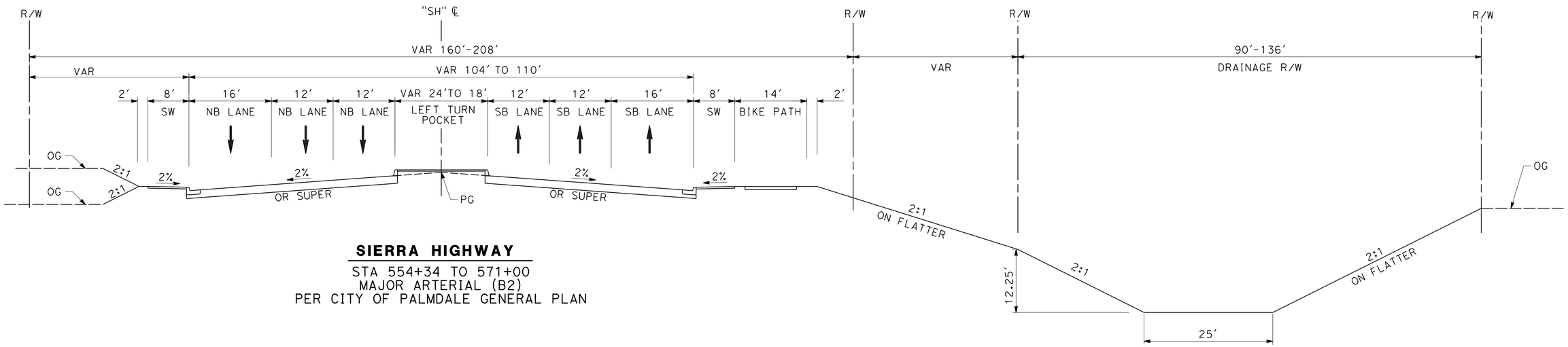


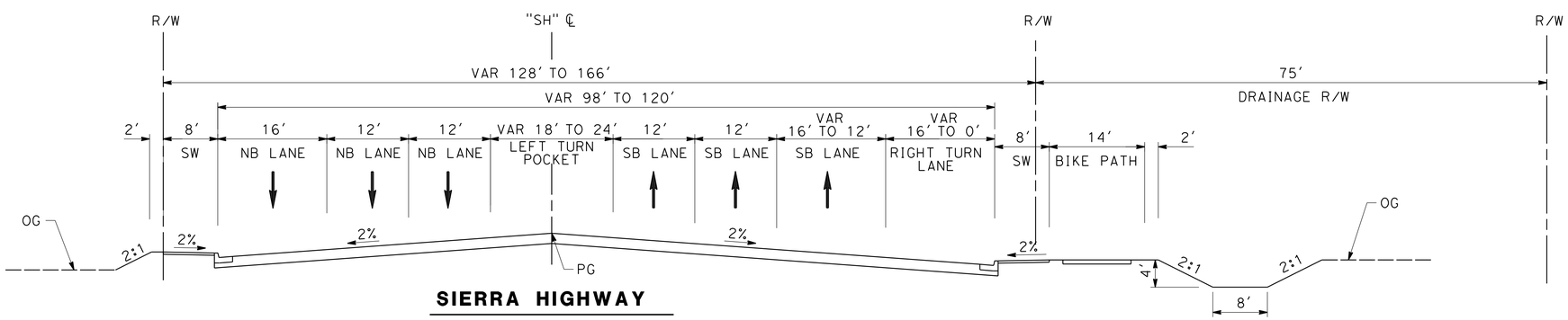
SIERRA HIGHWAY

STA 571+00 TO 625+88
MAJOR ARTERIAL (B2)
PER CITY OF PALMDALE GENERAL PLAN



SIERRA HIGHWAY

STA 554+34 TO 571+00
MAJOR ARTERIAL (B2)
PER CITY OF PALMDALE GENERAL PLAN



SIERRA HIGHWAY

STA 500+00 TO 554+34
MAJOR ARTERIAL (B2)
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3001-PLM
SCALE AS SHOWN
SHEET NO.

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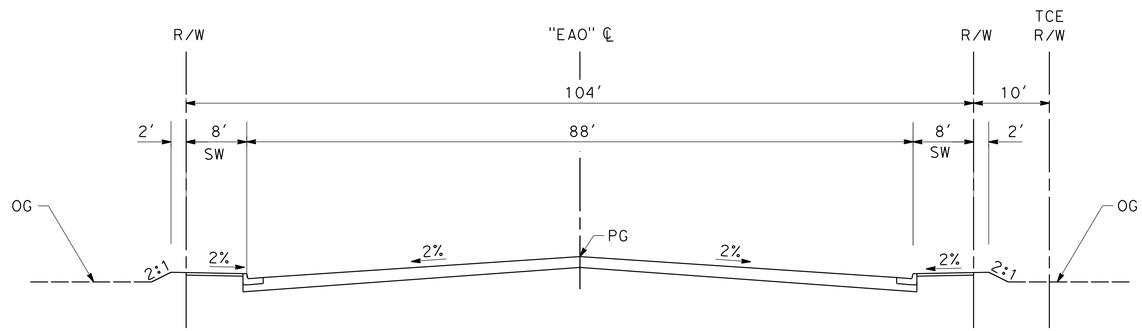

EAST AVENUE O

STA 10+00 TO 17+13
MAJOR ARTERIAL (B1)
PER CITY OF PALMDALE GENERAL PLAN

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3/29/2019 8:52:51 AM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

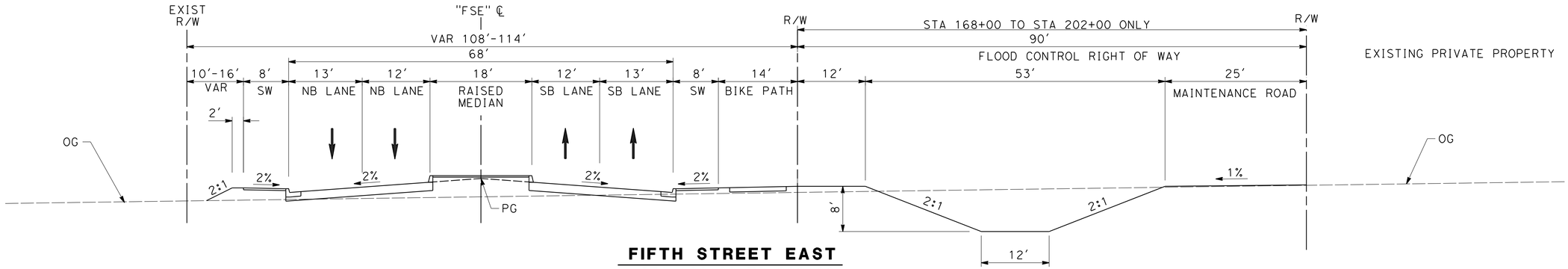
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

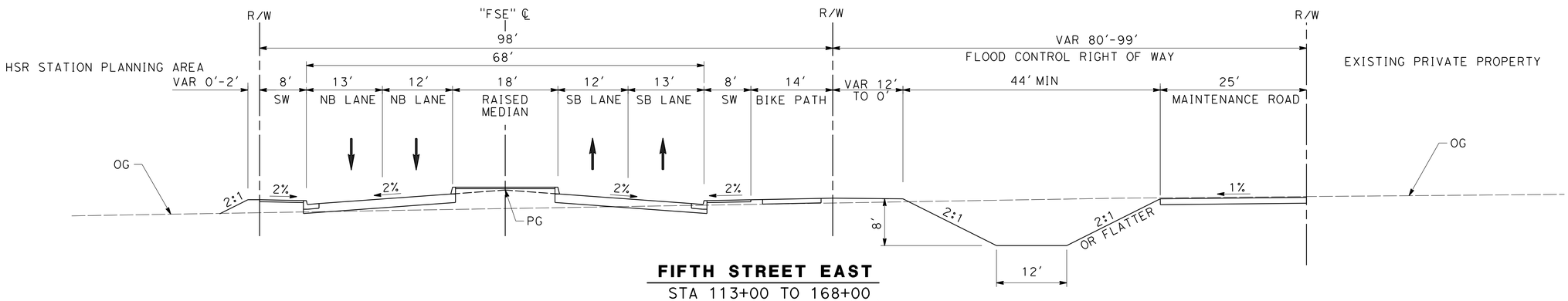
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE O
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3002-PLM
SCALE AS SHOWN
SHEET NO.



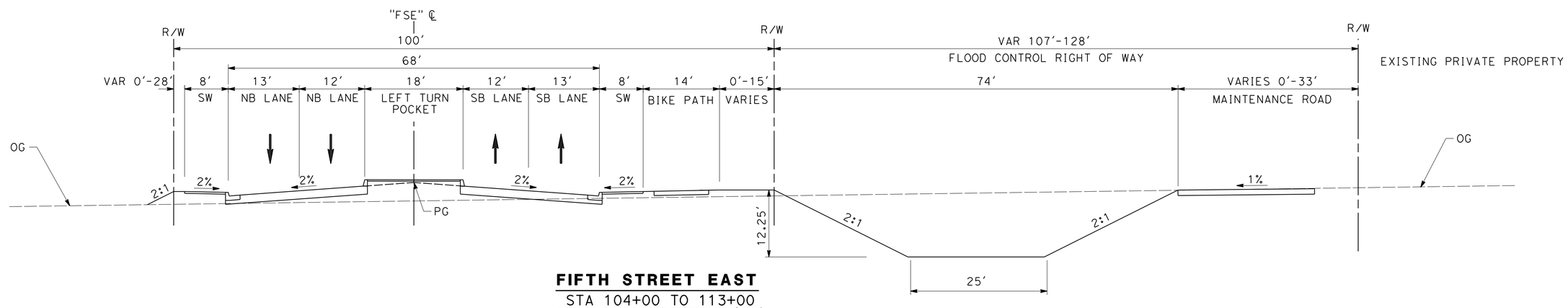
FIFTH STREET EAST

STA 168+00 TO 202+00
SECONDARY ARTERIAL (C1)
PER CITY OF PALMDALE GENERAL PLAN



FIFTH STREET EAST

STA 113+00 TO 168+00
SECONDARY ARTERIAL (C1)
PER CITY OF PALMDALE GENERAL PLAN



FIFTH STREET EAST

STA 104+00 TO 113+00
SECONDARY ARTERIAL (C1)
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
FIFTH STREET EAST
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3003-PLM
SCALE AS SHOWN
SHEET NO.

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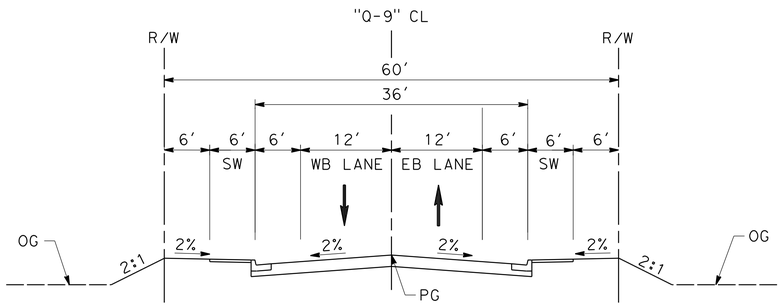
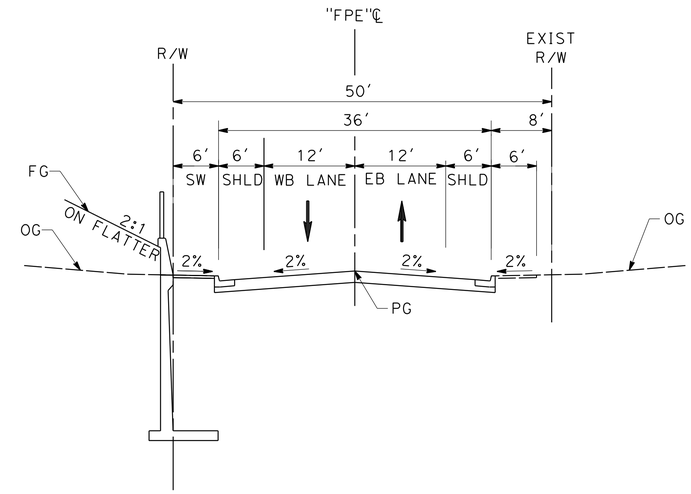


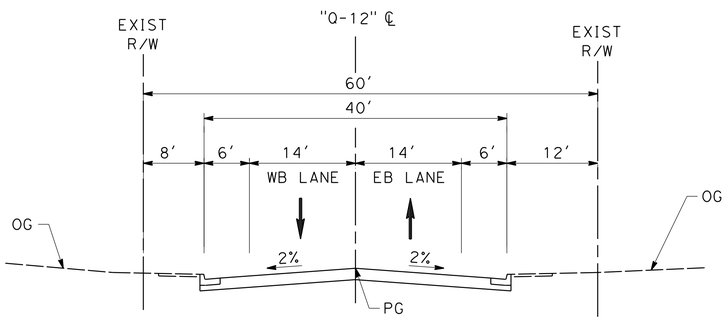
AVENUE Q NINE

STA 10+00 TO 12+31 AND STA15+00 TO 16+88
LOCAL INTERIOR STREET (F1)
PER CITY OF PALMDALE GENERAL PLAN



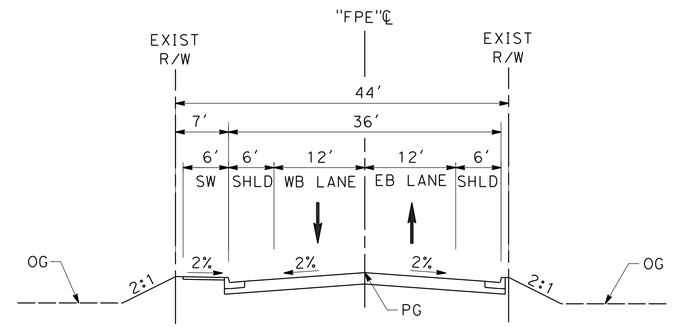
FIFTH PLACE EAST

STA 12+33 TO 17+00
LOCAL INTERIOR STREET (F1)
PER CITY OF PALMDALE GENERAL PLAN



AVENUE Q TWELVE

STA 10+00 TO 12+00 AND 16+60 TO 18+44
RESIDENTIAL ENTRANCE STREET
PER CITY OF PALMDALE GENERAL PLAN



FIFTH PLACE EAST

STA 10+00 TO 12+33
LOCAL INTERIOR STREET (F1)
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
AVE Q 9, AVE Q 12 AND FIFTH PLACE EAST
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3004-PLM
SCALE AS SHOWN
SHEET NO.

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3/29/2019 8:53:04 AM
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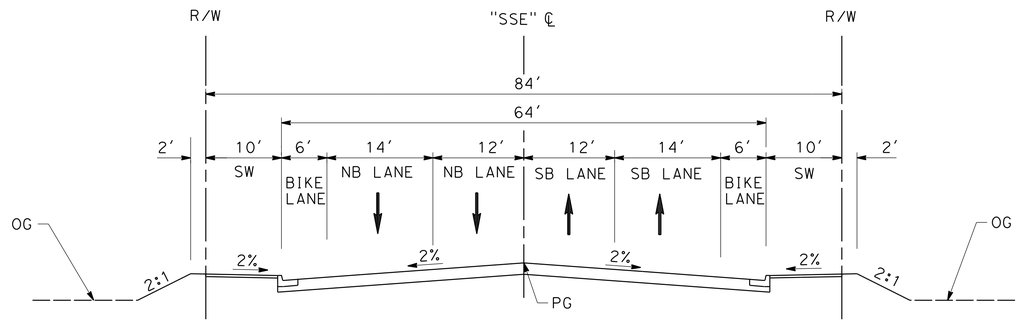

SIXTH STREET EAST

STA 10+00 TO 50+15.07
COMMERCIAL STREET (G)
PER CITY OF PALMDALE GENERAL PLAN

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3/29/2019 8:53:10 AM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

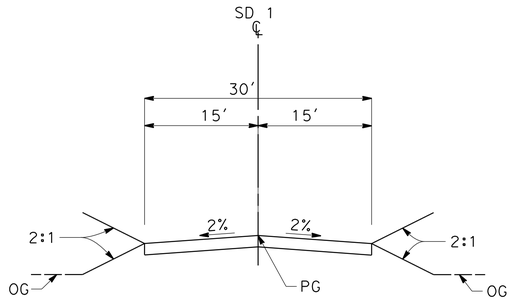
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

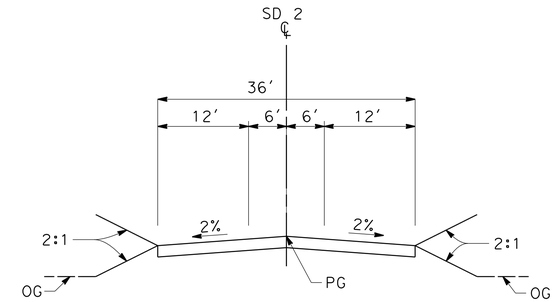
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SIXTH STREET EAST
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3005-PLM
SCALE AS SHOWN
SHEET NO.



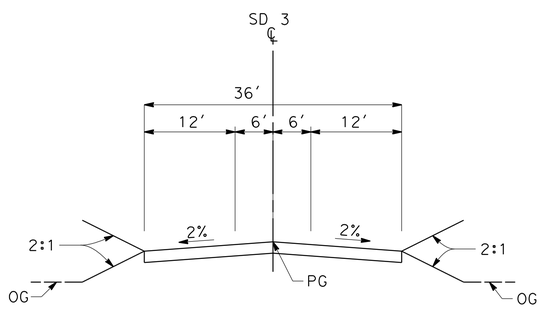
SHERIFF DRIVEWAY 1

STA 5+14.75 TO STA 6+70.00
PRIVATE DRIVEWAY
PER CITY OF PALMDALE GENERAL PLAN



SHERIFF DRIVEWAY 2

STA 5+32.95 TO STA 7+00.00
PRIVATE DRIVEWAY
PER CITY OF PALMDALE GENERAL PLAN



SHERIFF DRIVEWAY 3

STA 6+94.00 TO STA 10+00.00
PRIVATE DRIVEWAY
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
SHERIFF DRIVEWAY 1, 2 AND 3
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-R3006-PLM
SCALE NO SCALE
SHEET NO.

c:\pwworking\chsr\dms24257\PB-CV-R3006-PLM.dgn 3/29/2019 8:53:16 AM 0400061

LINE DATA		
	BEARING	DISTANCE
1	N89°34'48"E	1241.90'

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3/29/2019 8:53:37 AM

0400061

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

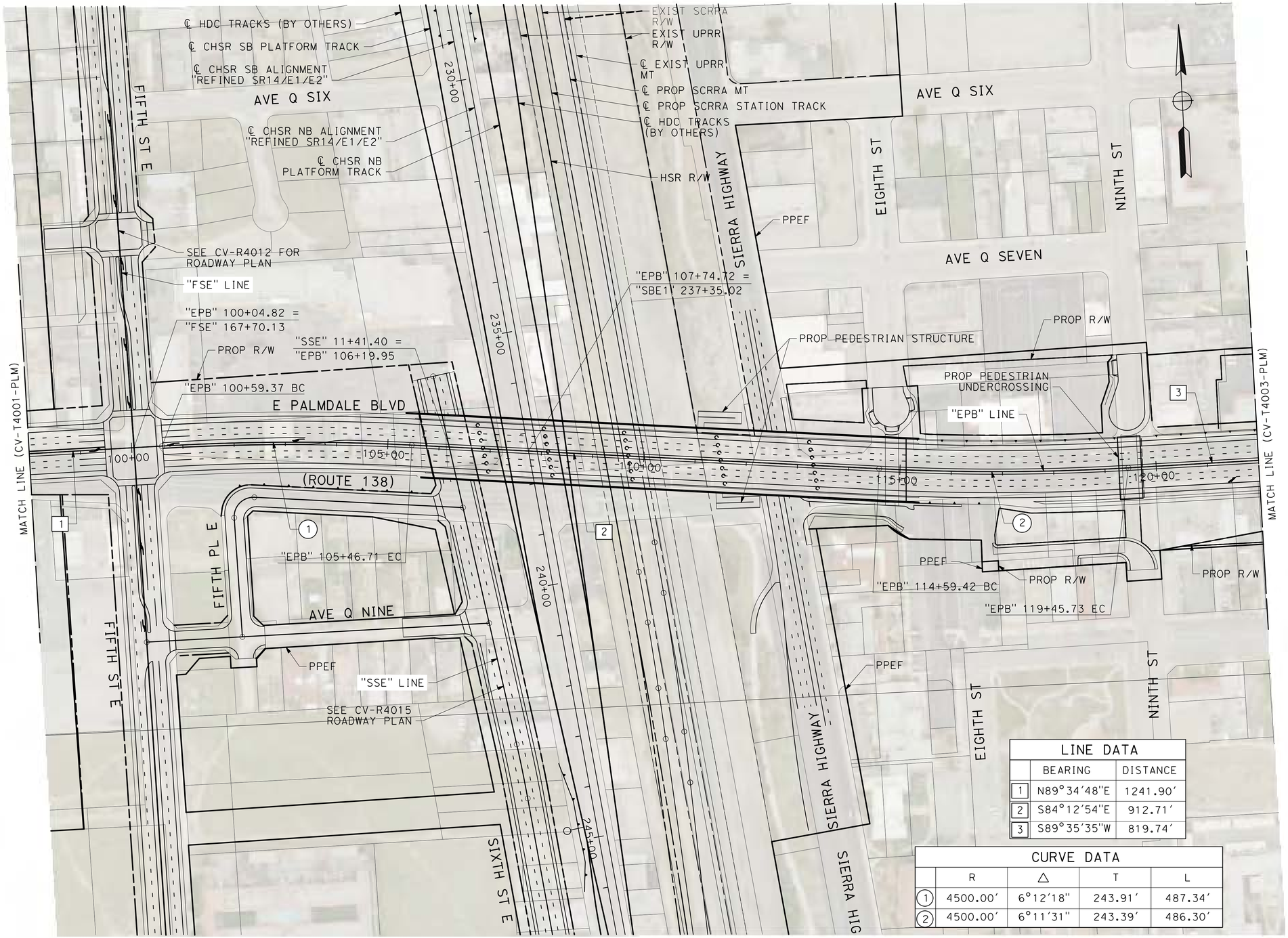
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4001-PLM
SCALE AS SHOWN
SHEET NO.



LINE DATA		
	BEARING	DISTANCE
1	N89°34′48″E	1241.90′
2	S84°12′54″E	912.71′
3	S89°35′35″W	819.74′

CURVE DATA				
	R	△	T	L
1	4500.00′	6°12′18″	243.91′	487.34′
2	4500.00′	6°11′31″	243.39′	486.30′

100 0 100 200
1"=100′

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4002-PLM
SCALE AS SHOWN
SHEET NO.

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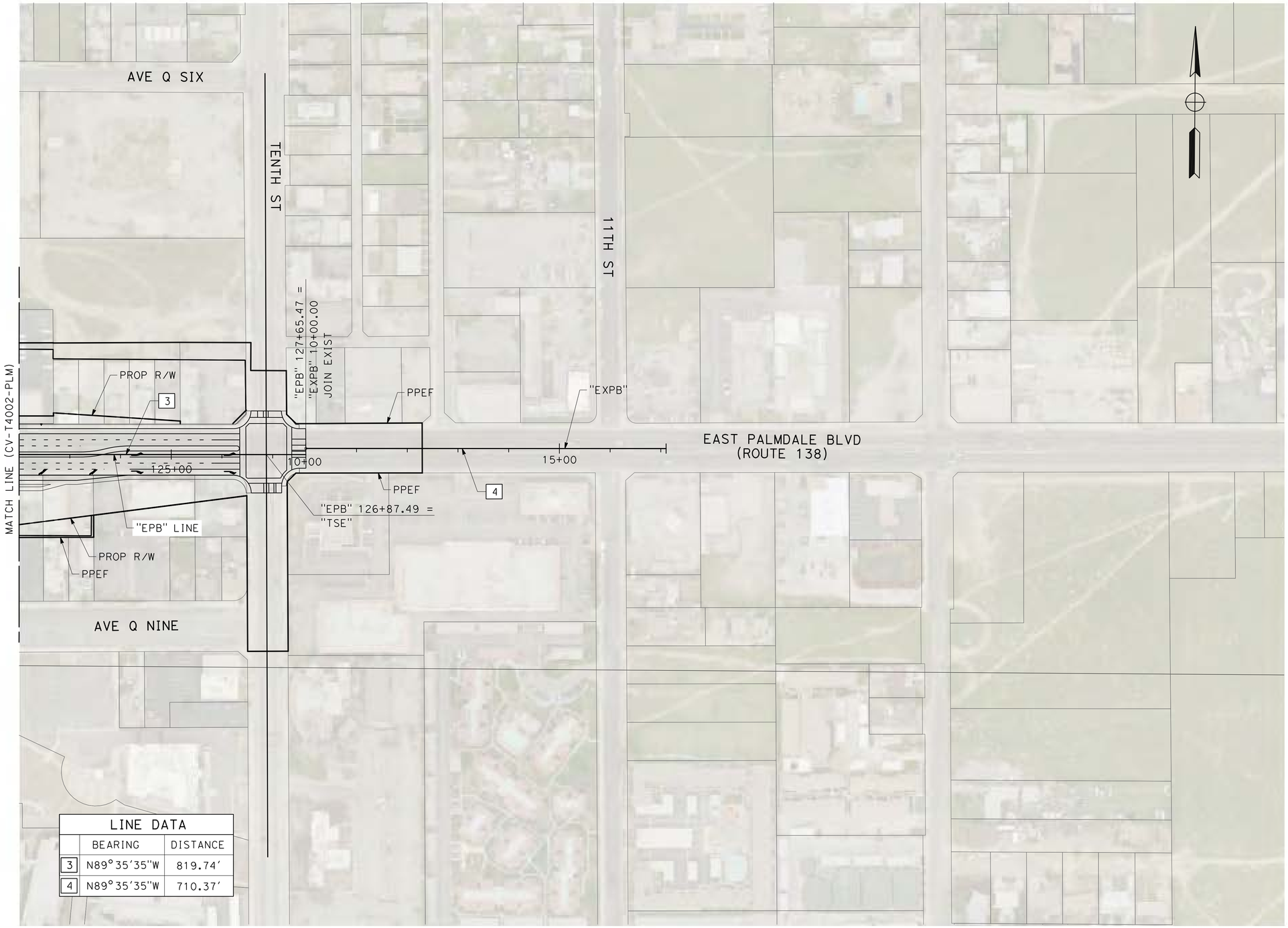

LINE DATA		
	BEARING	DISTANCE
3	N89°35'35"W	819.74'
4	N89°35'35"W	710.37'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4003-PLM
SCALE AS SHOWN
SHEET NO.

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0400061

LINE DATA		
	BEARING	DISTANCE
1	N89°26'52"E	2390.83'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4004-PLM
SCALE AS SHOWN
SHEET NO.

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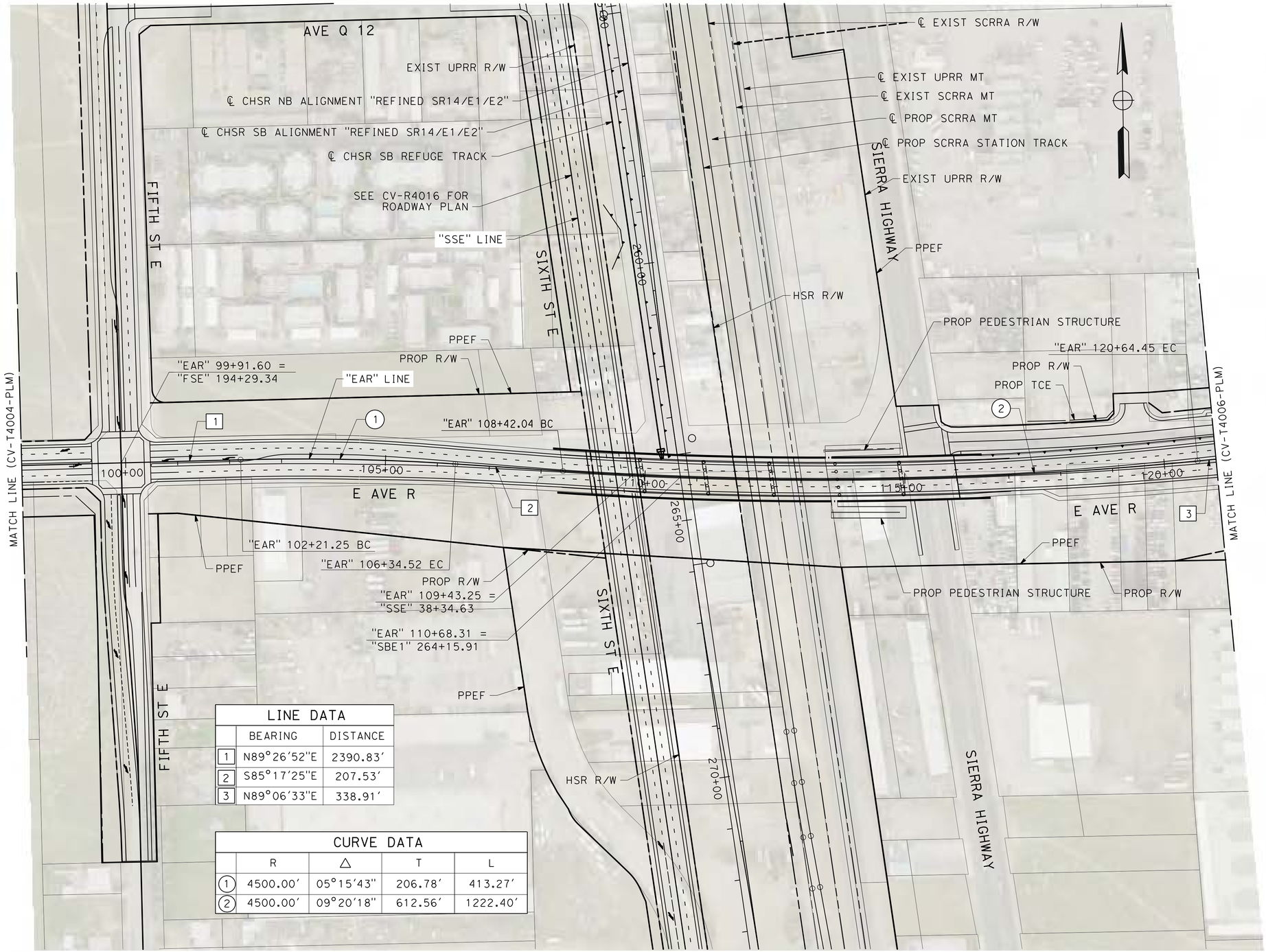

LINE DATA		
	BEARING	DISTANCE
1	N89°26'52"E	2390.83'
2	S85°17'25"E	207.53'
3	N89°06'33"E	338.91'

CURVE DATA				
	R	△	T	L
1	4500.00'	05°15'43"	206.78'	413.27'
2	4500.00'	09°20'18"	612.56'	1222.40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4005-PLM
SCALE AS SHOWN
SHEET NO.

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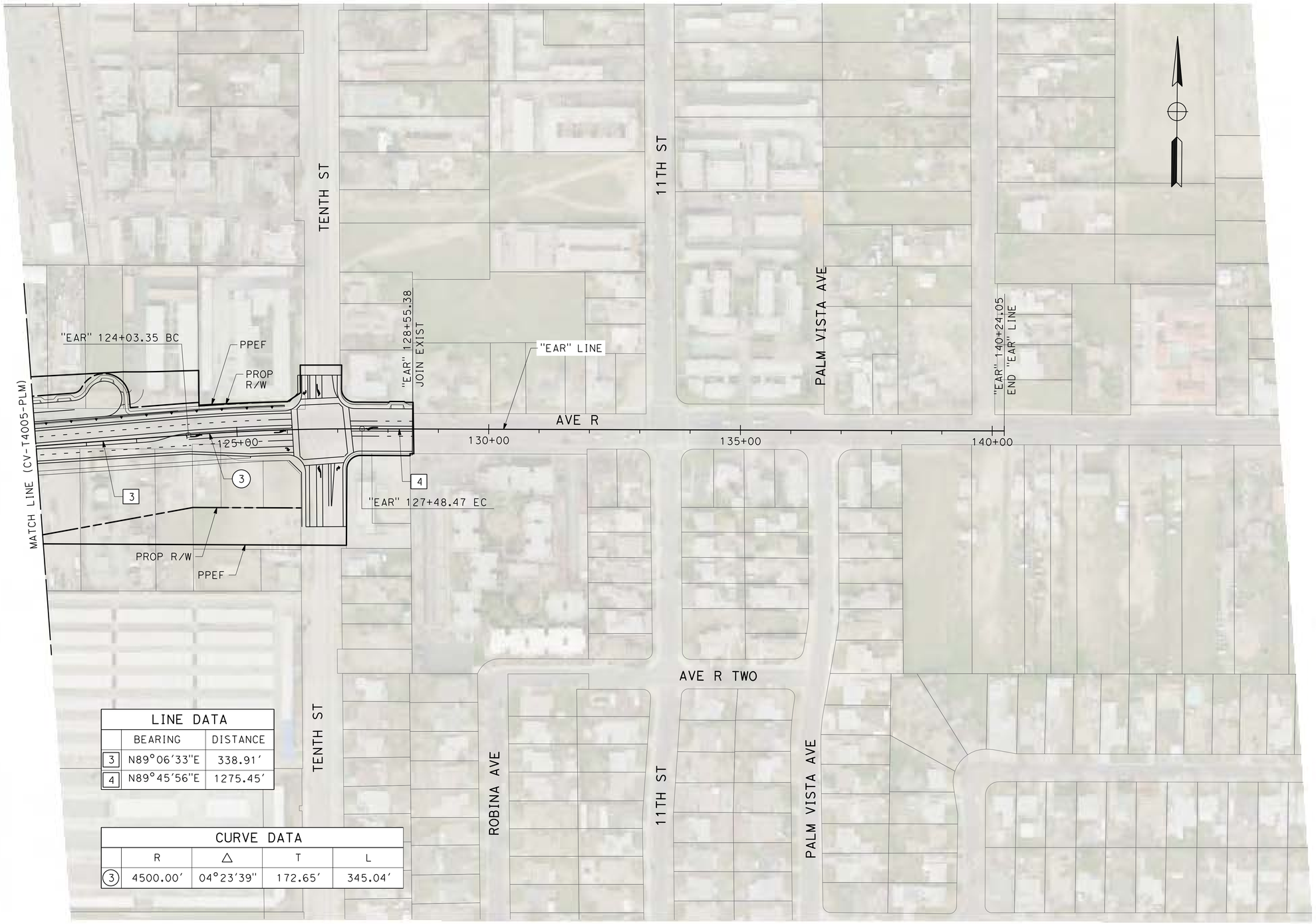

LINE DATA		
	BEARING	DISTANCE
3	N89°06'33"E	338.91'
4	N89°45'56"E	1275.45'

CURVE DATA				
	R	Δ	T	L
3	4500.00'	04°23'39"	172.65'	345.04'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4006-PLM
SCALE AS SHOWN
SHEET NO.

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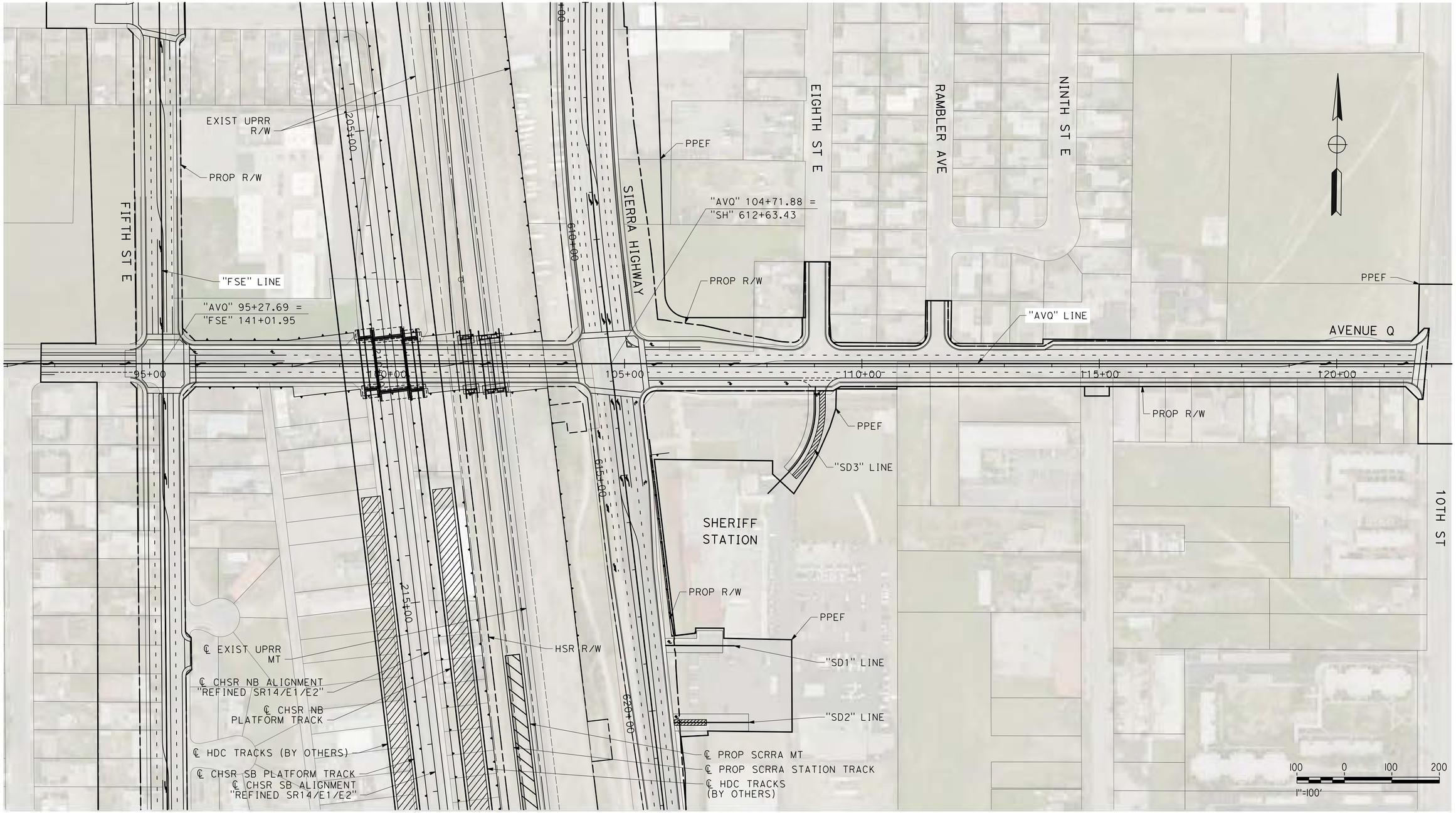

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0400061

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

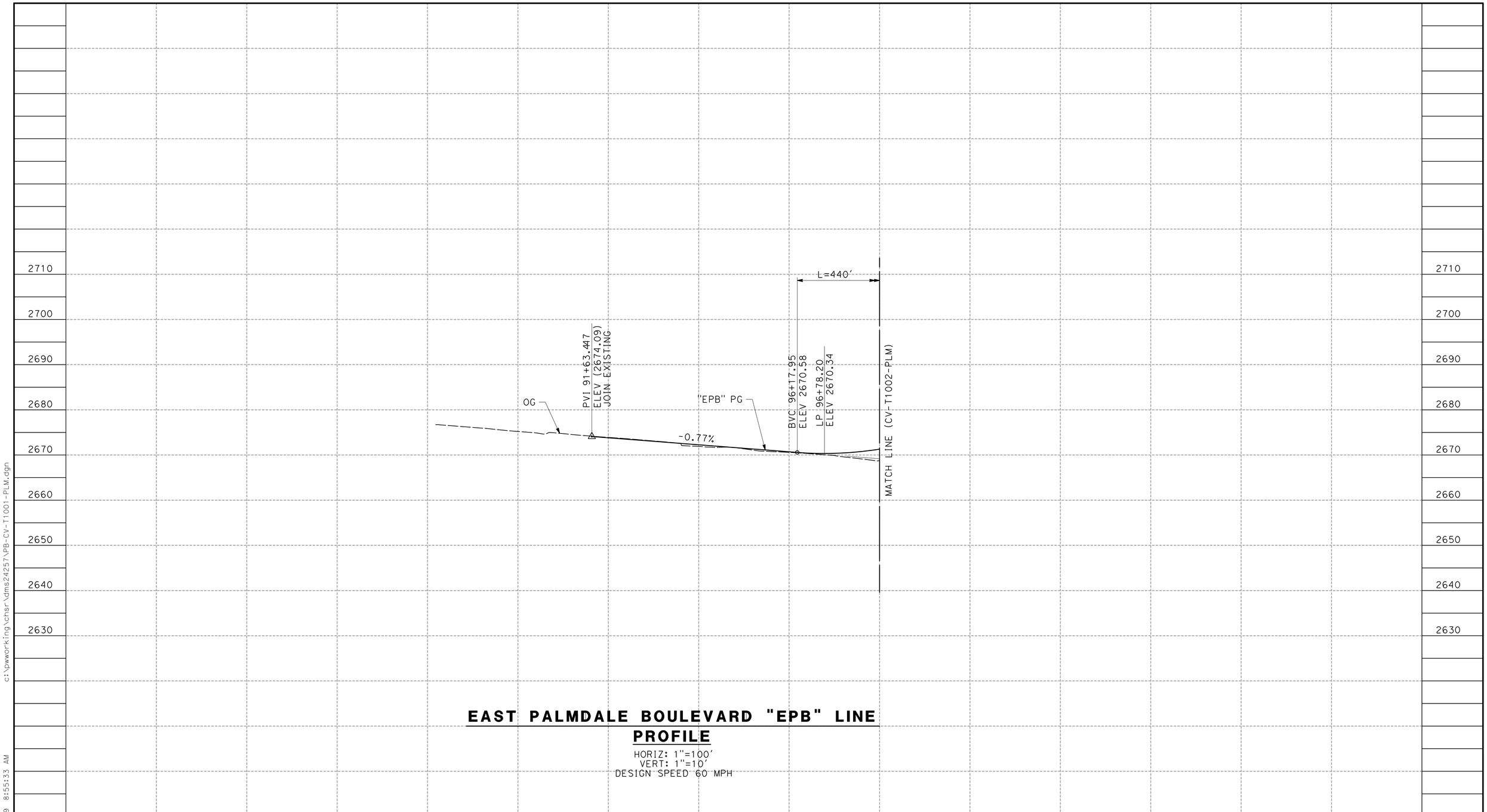
NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q
GRADE SEPARATION PLAN

CONTRACT NO. HSR14-42
DRAWING NO. CV-T4007-PLM
SCALE AS SHOWN
SHEET NO.



EAST PALMDALE BOULEVARD "EPB" LINE

PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1001-PLM
SCALE AS SHOWN
SHEET NO.

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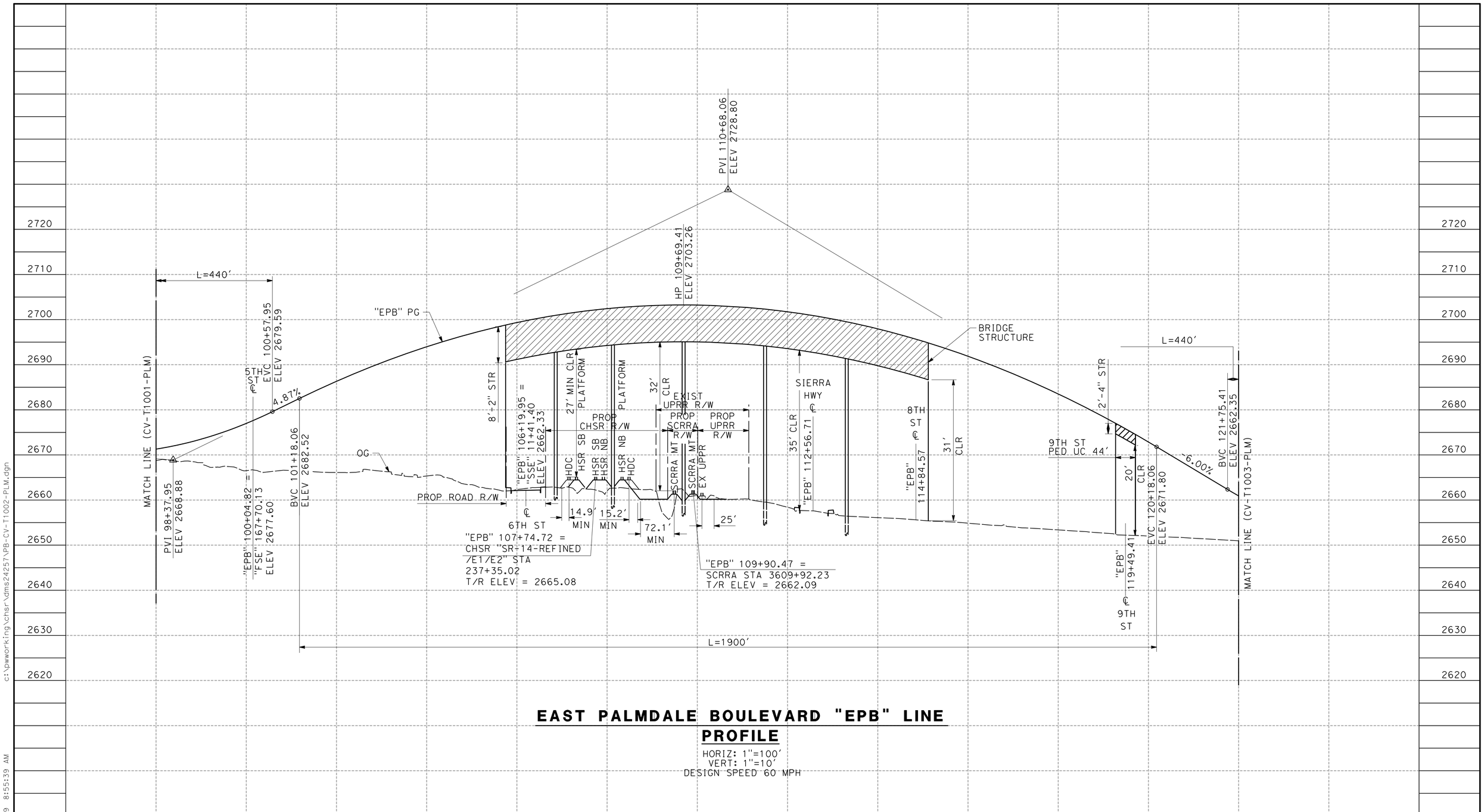


EAST PALMDALE BOULEVARD "EPB" LINE PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION	98+00	100+00	102+00	104+00	106+00	108+00	110+00	112+00	114+00	116+00	118+00	120+00	122+00	TOTAL
CY Exc														
CY Emb														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

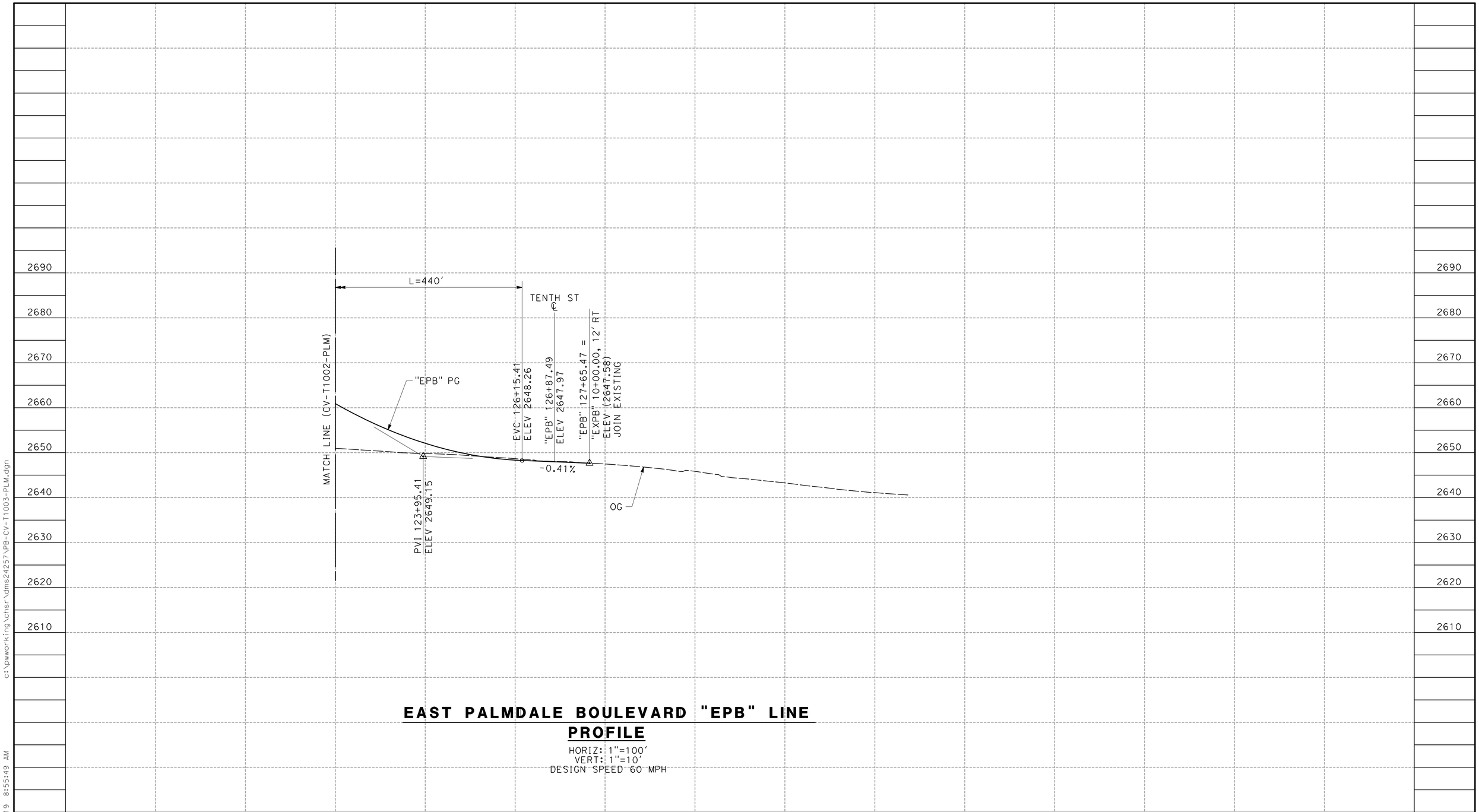
SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1002-PLM
SCALE AS SHOWN
SHEET NO.

c:\pwworking\chsr\dms24257\PB-CV-T1002-PLM.dgn 3/29/2019 8:55:39 AM 0400061



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1003-PLM
SCALE AS SHOWN
SHEET NO.

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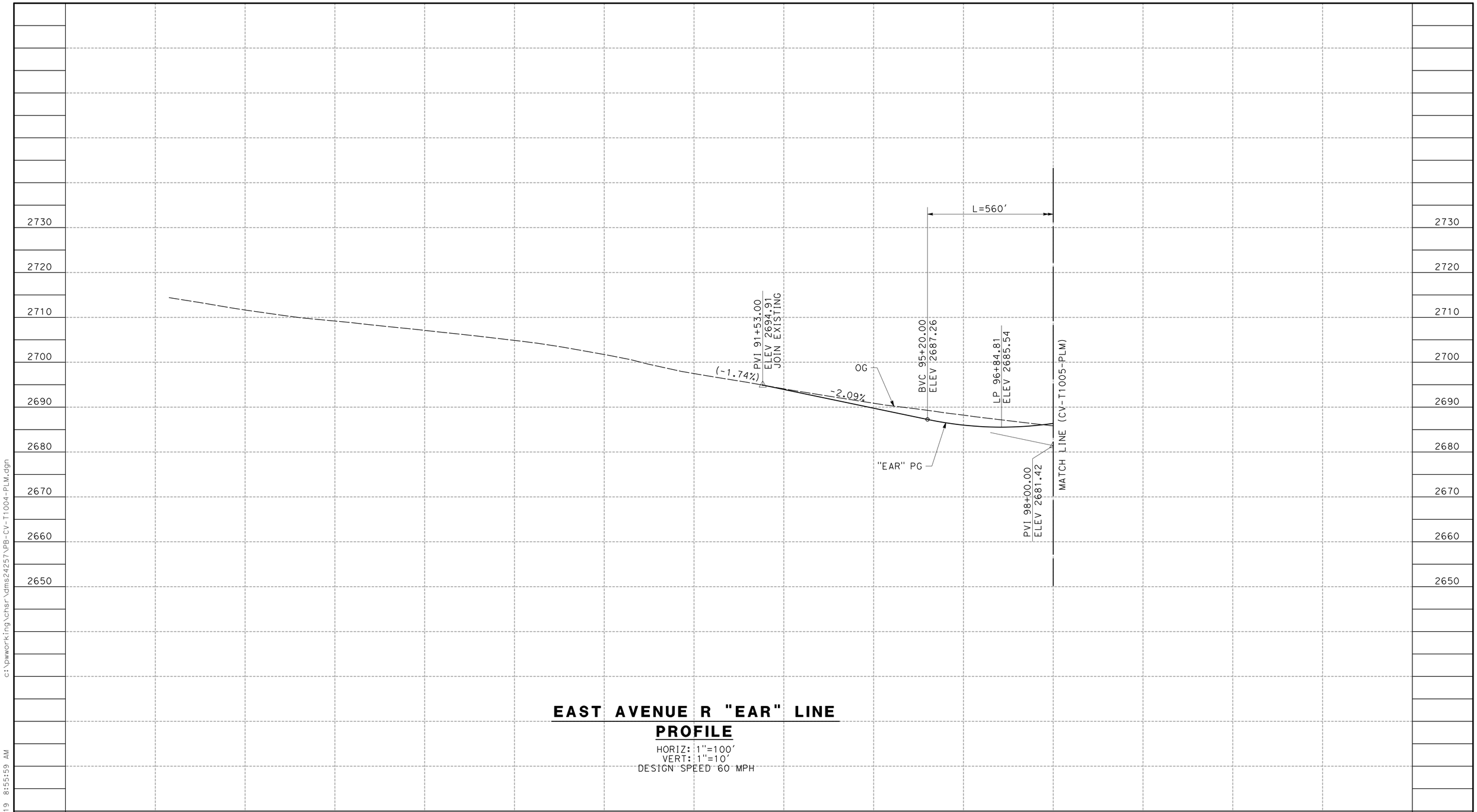

EAST AVENUE R "EAR" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
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DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1004-PLM
SCALE AS SHOWN
SHEET NO.

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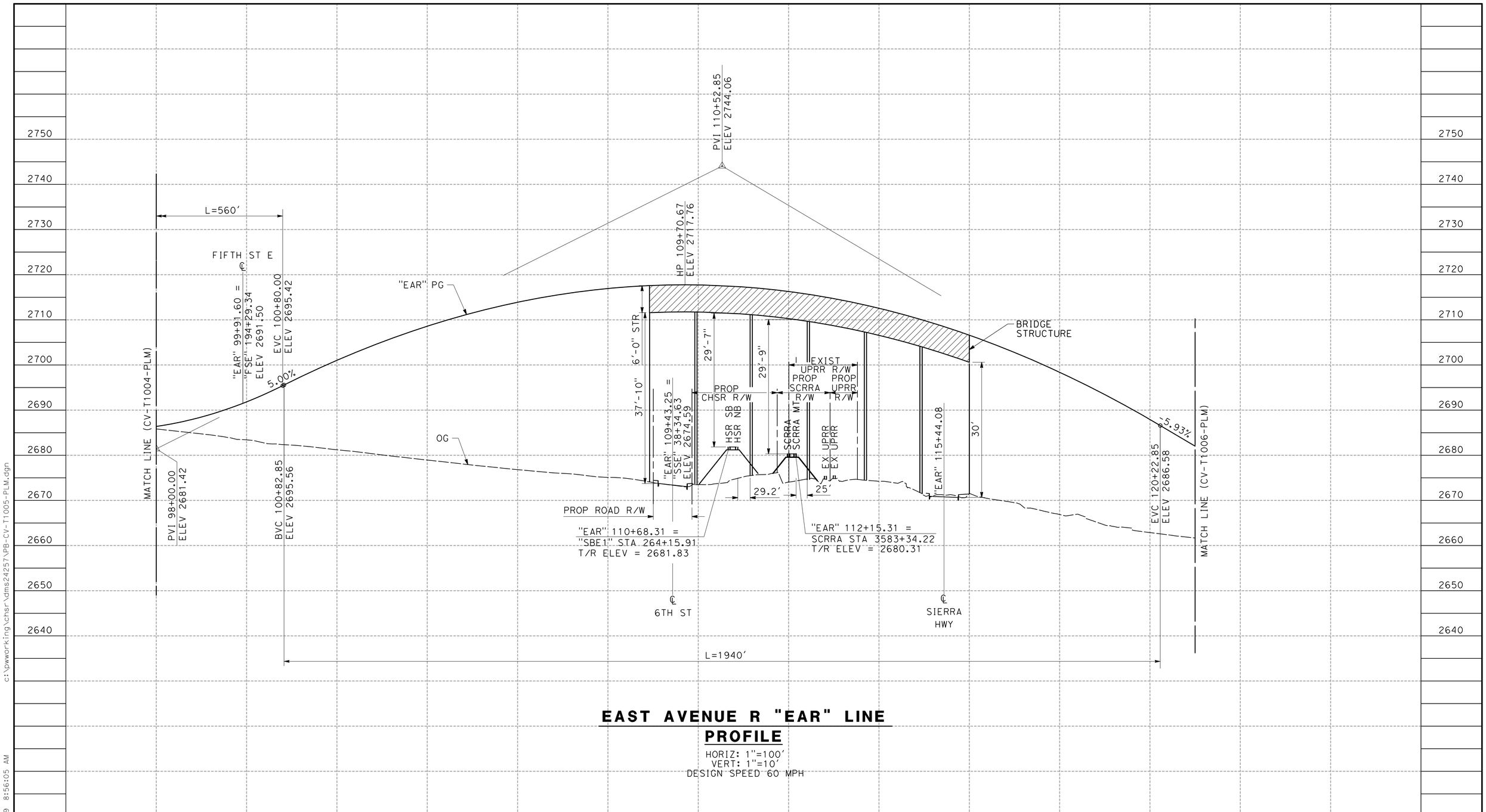

EAST AVENUE R "EAR" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION	98+00	100+00	102+00	104+00	106+00	108+00	110+00	112+00	114+00	116+00	118+00	120+00	122+00	TOTAL
CY Exc														
CY Emb														

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1005-PLM
SCALE AS SHOWN
SHEET NO.

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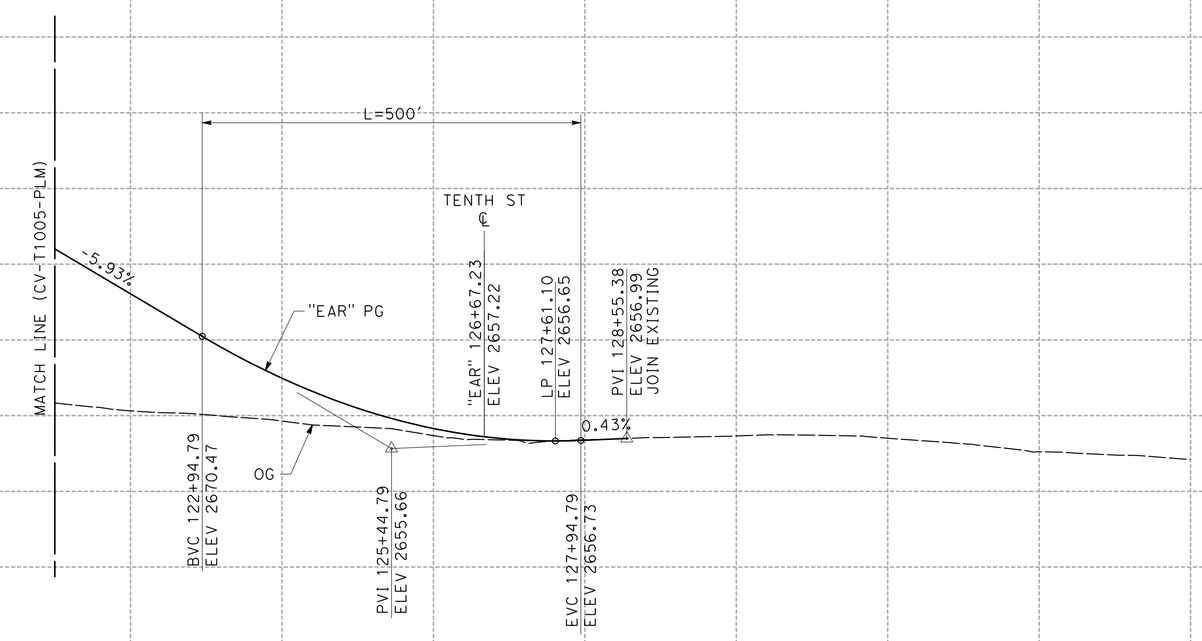

AVENUE R "EAR" LINE
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'
DESIGN SPEED 60 MPH

STATION		120+00	122+00	124+00	126+00	128+00	130+00	132+00	134+00	136+00	TOTAL
CY	Exc										
	Emb										

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
GRADE SEPARATION PROFILE

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1006-PLM
SCALE AS SHOWN
SHEET NO.

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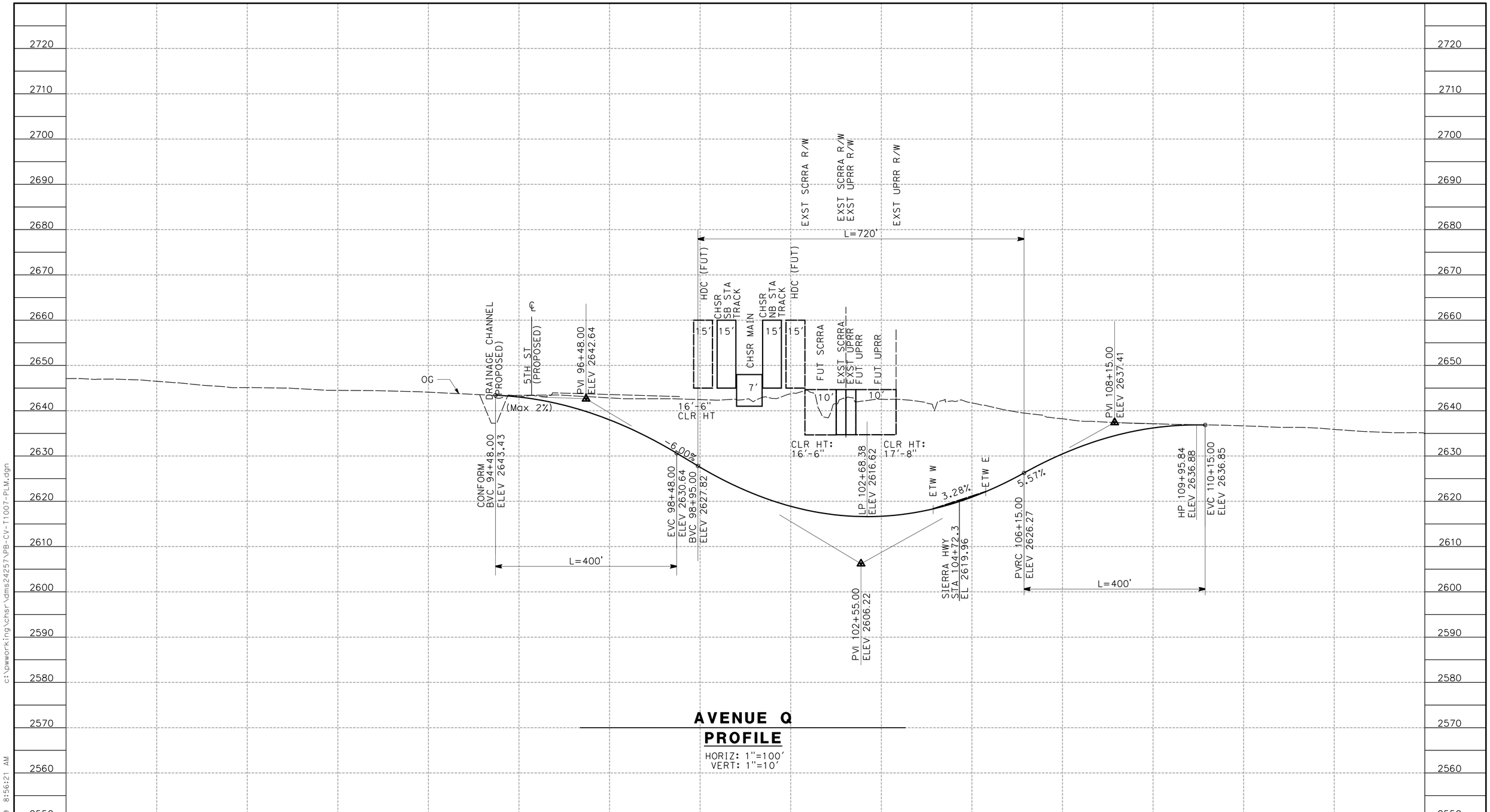

AVENUE Q
PROFILE

HORIZ: 1"=100'
VERT: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
CHECKED BY R. RODRIGUEZ
IN CHARGE A RELANO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-T1007-PLM
SCALE AS SHOWN
SHEET NO.

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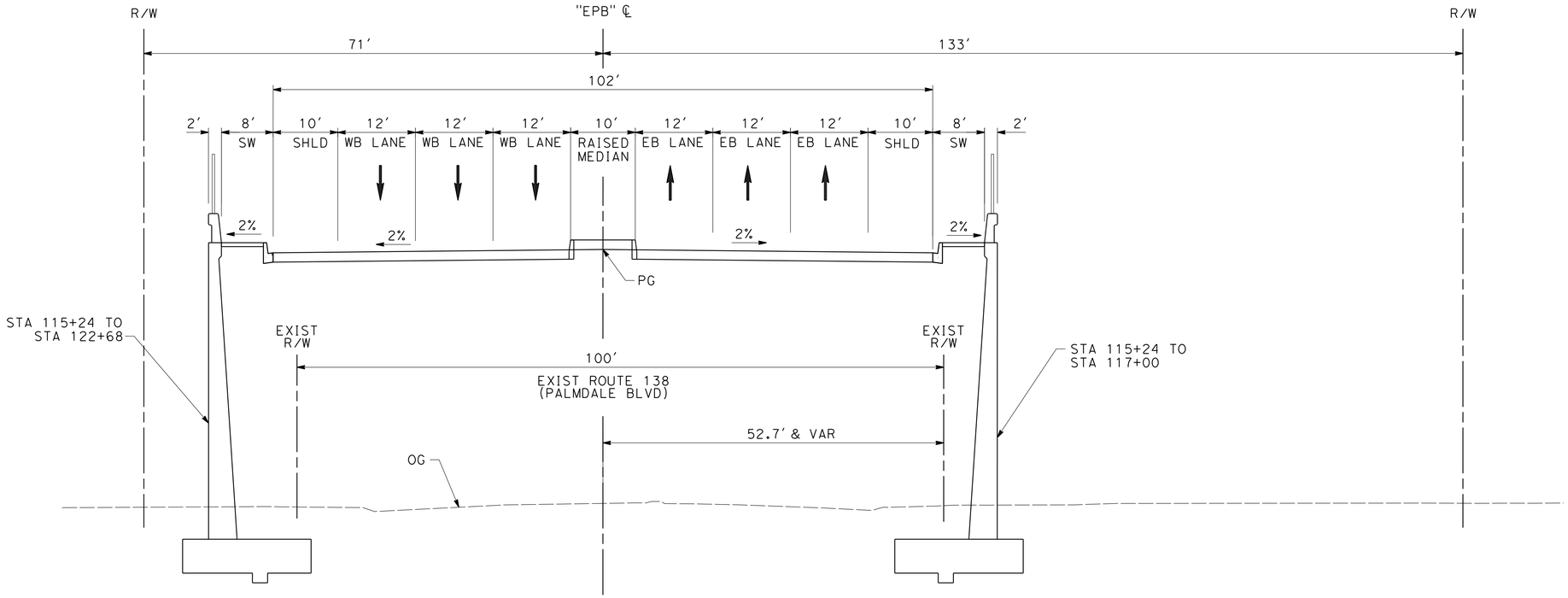
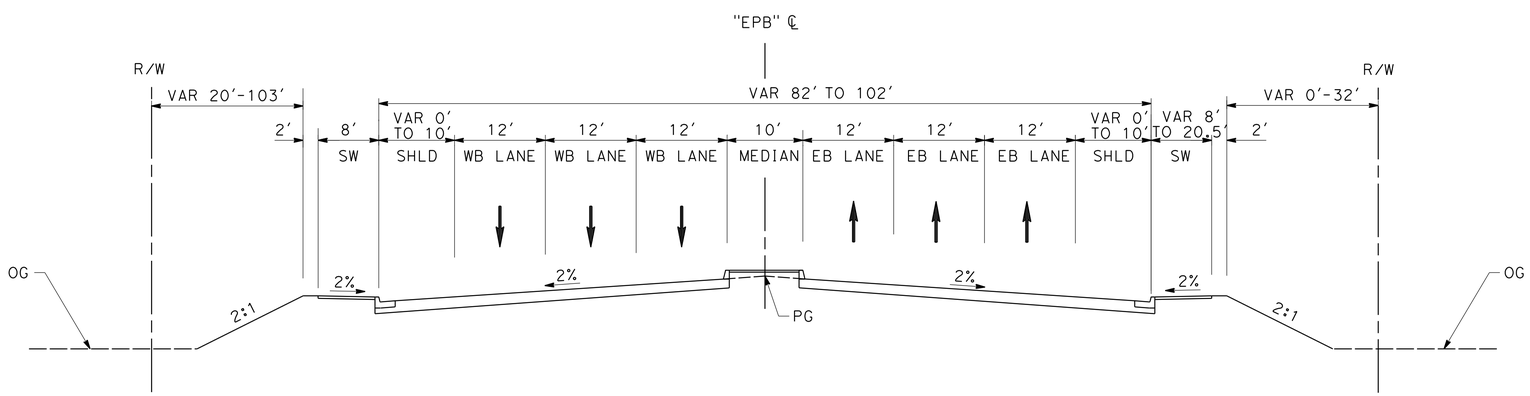


EAST PALMDALE BOULEVARD (ROUTE-138)

STA 115+24 TO 117+00
MAJOR ARTERIAL (B1)
PER CITY OF PALMDALE GENERAL PLAN



EAST PALMDALE BOULEVARD (ROUTE-138)

STA 91+63 TO 105+60 AND 117+00 TO 127+00
MAJOR ARTERIAL (B1)
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
DRAWN BY A. SANZ
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DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST PALMDALE BOULEVARD (ROUTE 138)
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-T3001-PLM
SCALE AS SHOWN
SHEET NO.

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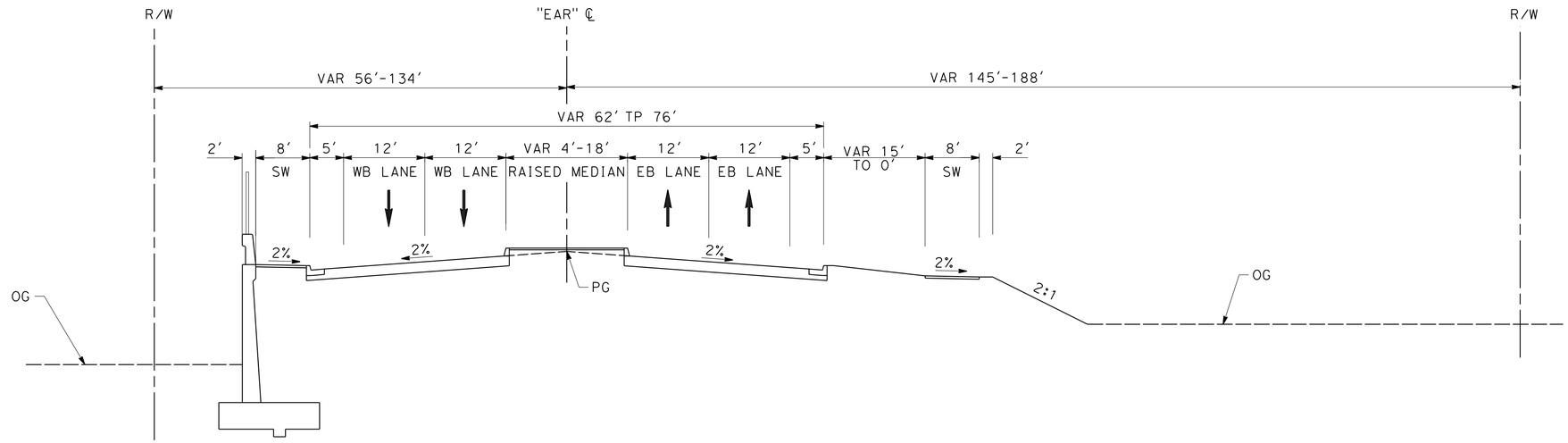
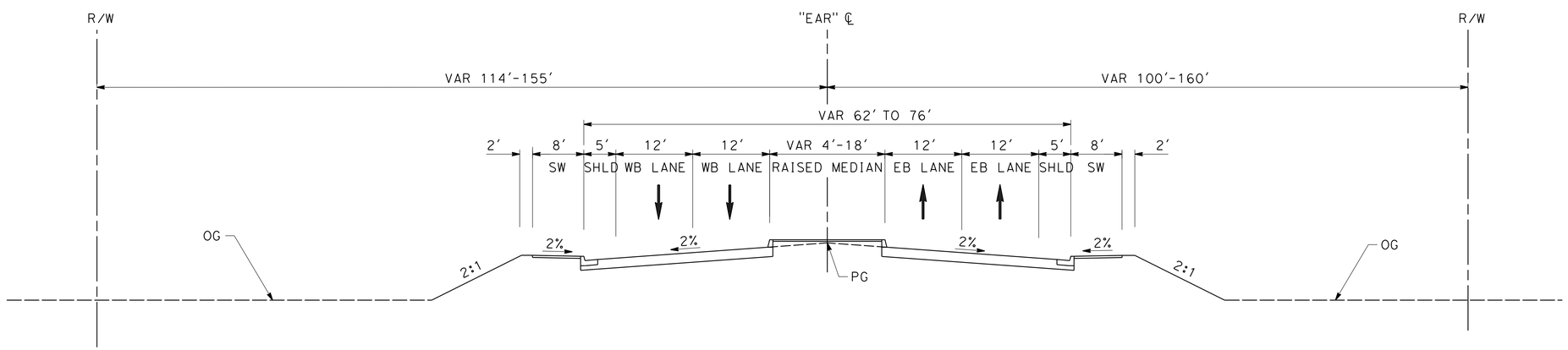


EAST AVENUE R

STA 116+00 TO 126+00
SECONDARY ARTERIAL (C2)
PER CITY OF PALMDALE GENERAL PLAN



EAST AVENUE R

STA 100+50 TO 108+92
SECONDARY ARTERIAL (C2)
PER CITY OF PALMDALE GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
EAST AVENUE R
TYPICAL SECTIONS

CONTRACT NO. HSR14-42
DRAWING NO. CV-T3002-PLM
SCALE AS SHOWN
SHEET NO.

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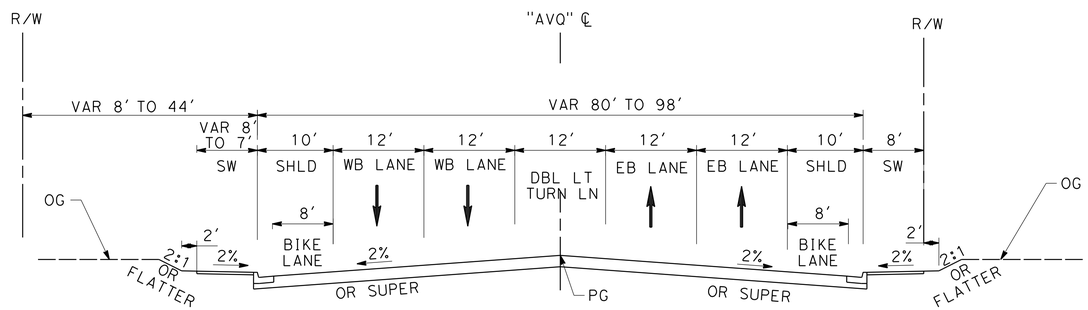

AVENUE Q

STA 571+00 TO 605+40
5TH ST TO END
PER CITY OF PALMDALE GENERAL PLAN

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3/29/2019 8:56:55 AM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J.C. ALAMILLA
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DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR14-42
DRAWING NO. CV-T3003-PLM
SCALE AS SHOWN
SHEET NO.

California High-Speed Rail Authority

Palmdale to Burbank Section: Palmdale Subsection

Bridges and Elevated Structures Plans

Draft PEPD Rev 01

February 2019

CALIFORNIA High-Speed Rail Authority

U.S. Department of Transportation Federal Railroad Administration

PALMDALE SUBSECTION. BRIDGES AND ELEVATED STRUCTURES

DRAWING NO	DESCRIPTION
ST-B0001-S14	PALMDALE SUBSECTION. GENERAL. BRIDGES AND ELEVATED STRUCTURES. INDEX OF DRAWINGS
ST-B0002-S14	PALMDALE SUBSECTION. GENERAL. BRIDGES AND ELEVATED STRUCTURES. ABBREVIATIONS
ST-B0003-S14	PALMDALE SUBSECTION. GENERAL. BRIDGES AND ELEVATED STRUCTURES. ABBREVIATIONS AND LEGEND
ST-B0004-S14	PALMDALE SUBSECTION. ALIGNMENT "REFINED SR14 /E1 / E2". GENERAL. FAULT KEY MAP FOR STRUCTURES
ST-J1001-S14	PALMDALE SUBSECTION LMF NB RAIL CROSSING VIADUCT GENERAL PLAN
ST-J1002-S14	PALMDALE SUBSECTION SIERRA HW UNDERPASS (SB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1003-S14	PALMDALE SUBSECTION SIERRA HW UNDERPASS (MAIN TRACK) VIADUCT GENERAL PLAN
ST-J1004-S14	PALMDALE SUBSECTION SIERRA HW UNDERPASS (NB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1005-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SB PLATFORM TRACK) GENERAL PLAN
ST-J1006-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (MAIN TRACK) GENERAL PLAN
ST-J1007-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (NB PLATFORM TRACK) GENERAL PLAN
ST-J1201-S14	PALMDALE SUBSECTION SIERRA HIGHWAY UNDERPASS (SCRRA) GENERAL PLAN
ST-J1202-S14	PALMDALE SUBSECTION SIERRA HIGHWAY UNDERPASS (UPRR) GENERAL PLAN
ST-J1203-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SCRRA TRACK 2) GENERAL PLAN
ST-J1204-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SCRRA TRACK 1) GENERAL PLAN
ST-J1205-S14	PALMDALE SUBSECTION AVENUE Q UNDERPASS (UPRR) GENERAL PLAN
ST-J1401-S14	PALMDALE SUBSECTION PALMDALE BOULEVARD OVERHEAD GENERAL PLAN
ST-J1402-S14	PALMDALE SUBSECTION PALMDALE BOULEVARD OVERCROSSING GENERAL PLAN
ST-J1403-S14	PALMDALE SUBSECTION AVENUE R OVERHEAD GENERAL PLAN

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
CL2	CLASS 2
CL-6	CHAIN LINK FENCE (6 FT)
CLR	CLEAR, CLEARANCE
CM	CORRUGATED METAL
CMP	CORRUGATED METAL PIPE
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 PAVEMENT
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
CVFPB	CENTRAL VALLEY FLOOD PROTECTION BOARD
CULV	CULVERT
℄	CENTERLINE

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
EQ	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
EXWY	EXPRESSWAY
EXT	EXTERIOR

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
FR RD	FRONTAGE ROAD
FS	FAR SIDE, FINISHED SURFACE
FSBT	FACING SOUTHBOUND TRAFFIC
FT	FOOT, FEET
FTG	FOOTING
FWBT	FACING WESTBOUND TRAFFIC
FWY	FREEWAY
FPLM	FULL SPAN PRECAST LAUNCHING METHOD

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
HR	HOUR
HD	HORIZONTAL DRAIN
HDWL	HEADWALL
HEX HD	HEXAGONAL HEAD
HMA	HOT MIXED ASPHALT
HORIZ	HORIZONTAL
HP	HINGE POINT, HORSEPOWER
HPS	HIGH PERFORMANCE STEEL
HS	HIGH STRENGTH
HST	HIGH SPEED TRAIN
HSR	HIGH SPEED RAIL
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
LCB	LEAN CONCRETE BASE
LMF	LIGHT MAINTENANCE FACILITY
LN	LANE
LOC	LOCATION
LOL	LAYOUT LINE
LONG	LONGITUDE
LONGIT	LONGITUDINAL
LS	LENGTH OF SPIRAL
LC	LENGTH OF CURVE
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 CONTINUED

M/L	MAIN LINE (RAILWAY)
MOD	MODIFIED, MODIFY
MON	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MPH	MILES PER HOUR
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EARTH
MTL	MATERIAL
MSS	MOVING SCAFFOLDING SYSTEM

N

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

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

P CONTINUED

PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED, PARALLEL STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVP	MAINTENANCE VEHICLE PULLOUT

Q

QTY	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
RWY	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SPIRAL TO CURVE
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND
SECT	SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE

S CONTINUED

SS	SLOPE STAKE, SPIRAL TO SPIRAL
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SRS	STAND ALONE RADIO SITE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBR	TIMBER
TC	TOP OF CURB, TANGENT TO CURVE
TCB	TRAFFIC CONTROL BOX
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TOR	TOP OF RAIL
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUPPLY STATION
TRANS	TRANSITION, TRANSVERSE
TS	TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL
TYP	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE

V

V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
W/	WITH

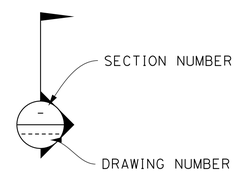
X

X SEC	CROSS SECTION
XING	CROSSING

Y

YR	YEAR
YRS	YEARS

LEGEND



PROPOSED HST RIGHT OF WAY

RETAINING WALL

FILL

CUT

CONTROL LINE EXAMPLE "A" LINE

255+00 260+00 265+00

OR — TRACK (PLAN AND ELEVATION)

REMOVE BASE & SURFACING

NOISE BARRIER (POTENTIAL)

DIRECTION OF FLOW

WATER SURFACE

GENERAL NOTES

STATIONS SHOWN IN PLANS ARE REFERRED TO SOUTH BOUND PROFILE

ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION TYPE ARE BASED ON PRELIMINARY GEOTECHNICAL INFORMATION AND WILL BE INCLUDED IN THE APS REPORT.

DRAWING CODES:

ST-J10XX: HSR STRUCTURES
ST-J12XX: UPRR / SCRRA / METROLINK STRUCTURE
ST-J14XX: ROADWAY STRUCTURE

POINT OF MINIMUM VERTICAL CLEARANCE

ESTIMATED 100-YEAR FLOOD ELEVATION

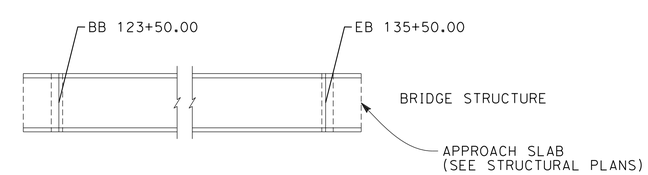
CURVE DATA (STRUCTURES)

LINE DATA

EXISTING OVERHEAD HIGH VOLTAGE POWER LINES

EXISTING HIGH VOLTAGE TOWER FOOTPRINT

OG / ORIGINAL GROUND



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. MOLINA
DRAWN BY J. LÓPEZ
CHECKED BY J.REVOLTÓS
IN CHARGE A. RELAÑO
DATE 02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION

SENER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
GENERAL
BRIDGES AND ELEVATED STRUCTURES
ABBREVIATIONS AND LEGEND

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