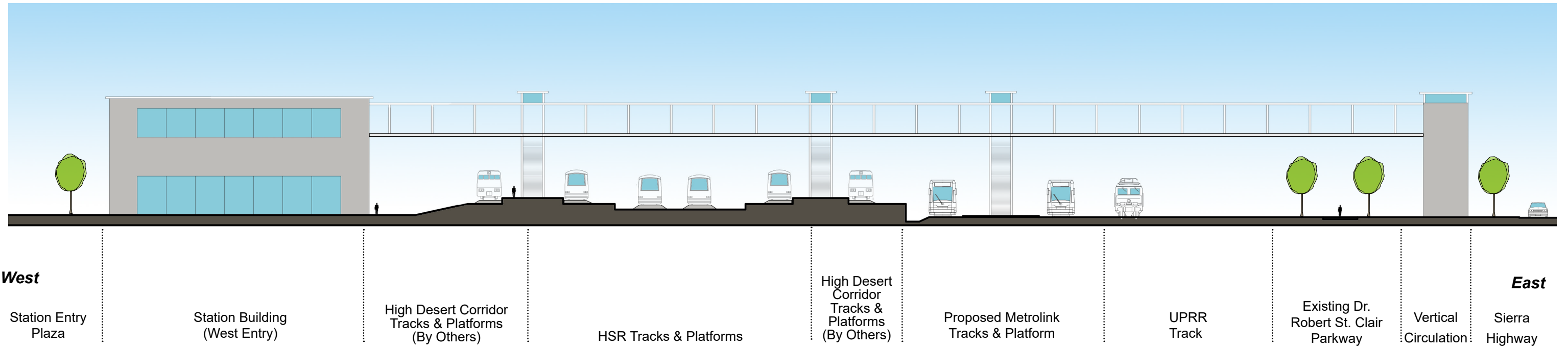
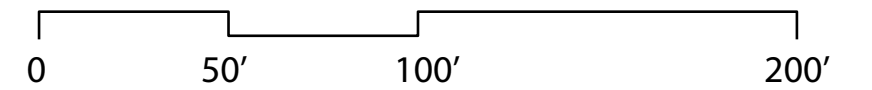


**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



Palmdale Station Cross Section | West-East Site Section Looking North



**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



Palmdale Station Massing Model | Perspective A

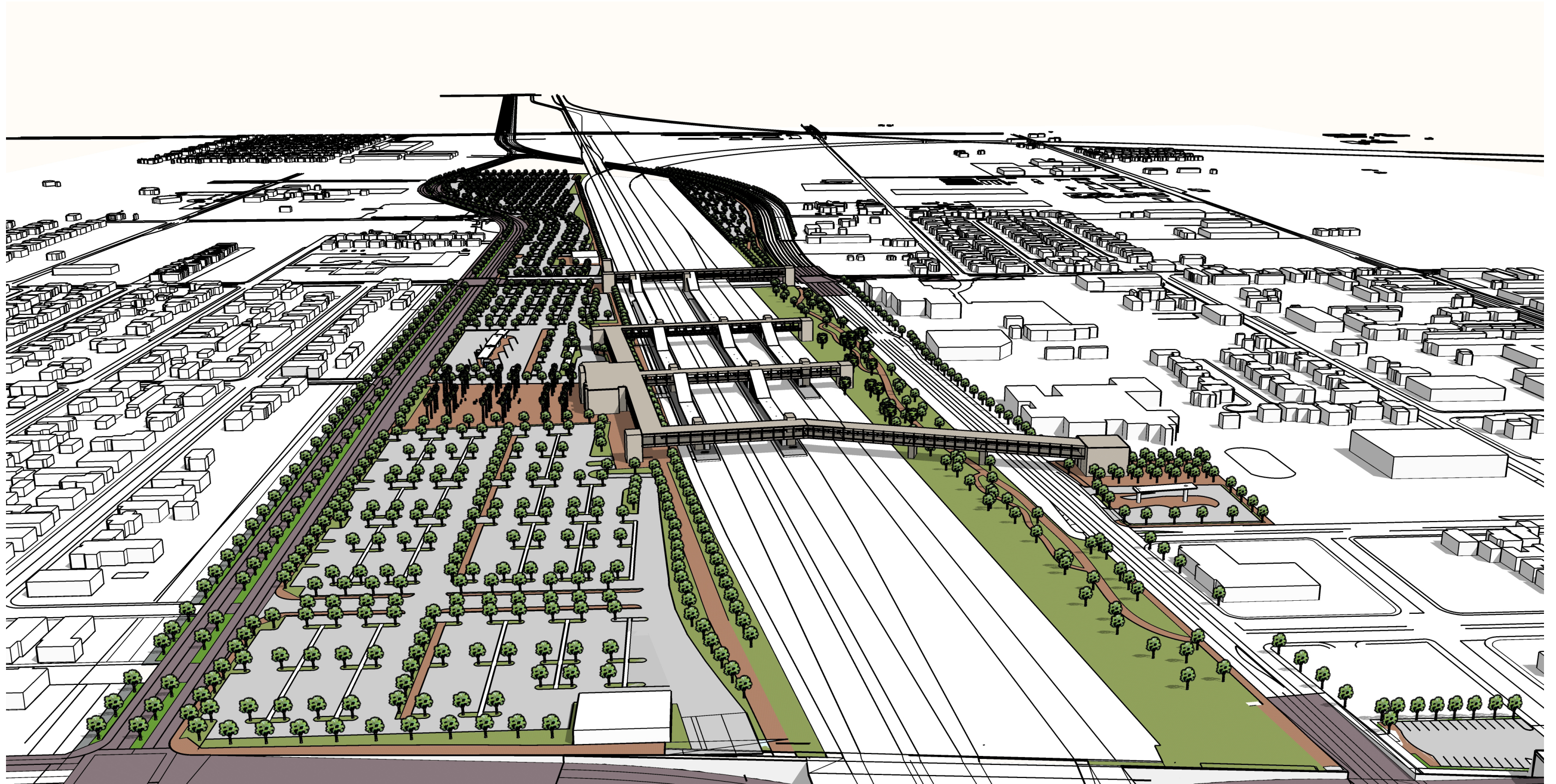


NOT TO SCALE

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**

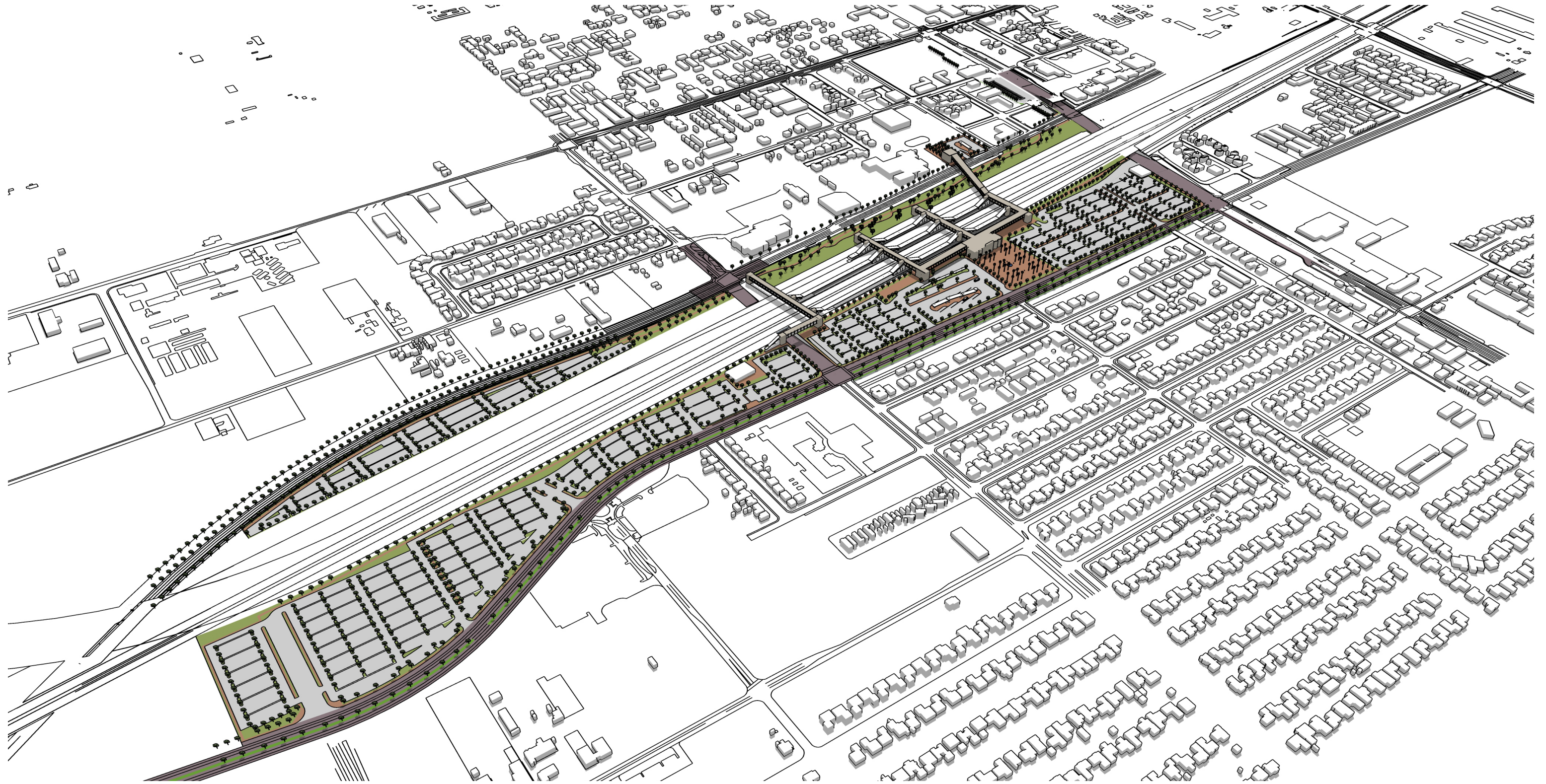


Palmdale Station Massing Model | Perspective C



NOT TO SCALE

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



Palmdale Station Massing Model | Perspective D



NOT TO SCALE

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**

Palmdale Station Programming & Area Requirements Table (Draft)					
Function Name	Description	Formula	Required Area (Net SF) Minimum	Comments	
Palmdale Daily Peak Ridership Boardings 2040	Long distance + Short Distance Boardings	5,600	5600	Planning Memorandum Station Boardings, Access, Egress and Parking INST-PLAN-05	
P360B	Highest Daily Boardings X Conversation Factor for Boardings=6hour Boardings	Highest Daily Boardings x 0.67=P360B 5,600 x 0.67	3752	California HSTP Design Criteria, Chapter 14-Stations, Oct 2015, Working Draft, Rev.2 Table 14-1 Passenger Ridership Assumptions Table 14-3 Concourse Circulation and Waiting Areas	
P360A	Peak 6 Hour Boardings X Conversation Factor for Alightings =6hour Alightings	P360B x 0.75=P360A 3752 x 0.75	2814		
P60B	Peak 6 hour Boardings x Peak hour conversion Factor for Boardings=Peak Hour Boardings	P360B x 0.17=P60B 3752 X 0.17	638		
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings=Peak Hour Alightings	P60B x 0.75=P60A 638x 0.75	479		
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30-minute Boardings	(P60B /2) x 1.2=P30B (638 /2) x 1.2	383		
P30A	Peak 30-minute Boardings x Conversion Factor = Peak 30 minute Alightings	P30B x 0.075=P30A 383 x 0.75	287		
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15- minute Boardings	(P60B / 4) x 1.3= P15B (638 /4) x 1.3	207		
P15A	Peak 15-minute Boardings x Conversion Factor=Peak 15 minute Alightings	P15B x 0.75=P15A 207 x 0.75	155		
P5B	Peak Hour Boardings /12 x Surge Factor = Peak 5-minute Boardings	(P60B / 12) x 1.4= P5B (638 /12) x 1.4	74		
P5A	Peak 5-minute Boardings x Conversion Factor = Peak 5-minute Alightings	P5B x 0.75=P5A 74 x 0.75	56		
P1B	Peak Hour Bordings /60 x Surge Factor=Peak 1 Minute Boardings	(P60B /60) x 1.5=P1B (638 /60) x 1.5	16		
P1A	Peak 1-minute Boardings x Conversion Factor for Alightings=Peak 1 Minute Alightings	P1Bx0.75 16x0.75	4		
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (207+155)/(15x10 people/ft/min)	208		
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 square feet ((207x1.1) +(155x0.1)) x 14	1168		
Public Restrooms	Women + Men + Unisex accessible restroom for each group	(P15B+P15A) / 2 (207+155) /2	181		14.3.4 Public Restrooms
Passenger Amenity Space Allocation	Station Design Target Yr. Daily Boardings	5,000-10,000	6,000 SF		14.3.35 Passenger Amenity (Commercial) Spaces
Ticket Windows	Station Quantity	P60B/600 638:600	2	Table 14-5: HST Ticket Sales Facilities	
Ticket Vending Machines		P60B/280 638/280	3		
Value Added Machines	2 Per Platform Minimum				
Fare Gates Intermediate		P1B /50 ppm 16/50 One additional gate to be provided if under 10	2	Table 14-6 Fare Gates	
Emergency Gates			2	14.3.3.6	
Side Platform Station	Peak- hour boarding and fully occupied train alighting	P60B + 900 p	1538	14.3.6.2	
Sr	Seating at Concourse Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x .25	61	Table 14-22: Station Seating	

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**

Palmdale Station Facility Sizing Table (Draft)					
Projected Daily Ridership (2040) 5,600, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking					
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3					
	Function Name	Required Area (Net SF) Minimum	Formula	Chapter 14:Stations	Comments
Concourse Public Free Areas	Station Concourse (Free Area - Main Hall)	12,670	P15 x 35 SF/person	14.3.5.1	P15 = P15 B + P15 A = 207 + 155 = 362 , use 35 SF/person.
	Entrances	47 Ln.Ft.	(P60B x 1.1)/15 Ln.Ft.	14.3.5.2	P60B=638, 15 ft width at least one entrance
	Mezzanine	0			Included with the Concourse Area
	Passenger Waiting Area	3,405	((P15B x 1.1)+(P15Ax0.1)) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev 2 and October 2015, Working draft, Rev 2. Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse Circulation and Waiting Areas. P15B = 207, P15A = 155
	Ticket Vending Machines (TVM)	32	P60B/280	Table 14-5, 14.3.5.6 B	P60B = 217, Minimum 2 required
	Concessionaire	6,000		Table 14-7	5,000 - 10,000 daily boardings
	Business Lounge	600		14.3.5.7.C	
	Public Restrooms	800	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	P15 = 362 A-3 Assembly Occupancy, 181 Male, 181 Female, per CPC 2016 Female: 4 Water Closets, 2 Lavatories Male: 2 Water Closets, 2 Urinals, 1 Lavatory Drinking Fountains: 2
	Unisex Restrooms	100		14.3.5.4	1 Unisex (or family) accessible restroom for each group of restrooms.
	Janitor Closets	60		14.3.7.1.D	1 Janitor Closet adjacent to the Concourse Public Free area, Mezzanine, Platform and each set of Toilet Facilities
Staffed Areas	Ticket Office Counter	1		14.3.5.7A	Minimum 1 required
	Ticket Office Window Quantity	2	P60B/600	14.3.5.6.B 14.3.5.7A	P60B = 638, Minimum 1 + 1 ADA accessible (min 5' wide)
Security	Police Office	500		14.3.6.2.A	Includes Lockers
	Janitor Closets	60		14.3.7.1.D	
	Security Guard Office	144		14.3.6.2.B	

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
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PALMDALE STATION**

Palmdale Station Facility Sizing Table (Draft)					
Projected Daily Ridership (2040) 5,600, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking					
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3					
	Function Name	Required Area (Net SF) Minimum	Formula	Chapter 14:Stations	Comments
Non-Public Station Staff Only	Ticket Sales Office	150		14.3.5.7.A	75 SF per window, 2 Ticket Office Windows
	Ticket Admin., Handling & Storage	260		14.3.5.6.B 14.3.5.7 14.3.6.2.C-D	Ticket Administration Office
	Lost & Found & First Aid Room	200		14.3.6.1E-F	
	Station Control Room (SCR)	1,100		14.3.6.2.E	
	SCR Dedicated Computer Room	500		14.3.6.2.F	
	Temporary Incident Command Post (CP)	300		14.3.6.2.G	
	SOR Workroom	1,100		14.3.6.2.H	
	SOR Dedicated Computer Room	500		14.3.6.2.F-H	
	Staff Lockers, Showers, Restrooms	780	CBC 2016, CPC 2016	14.3.6.1.I	2016_ Business Plan Operations and Maintenance Cost Model, Table 20- Station Service Level C, Table 21, Table 24, Table 28. Assumed administration staff, police, security and cleaning personnel 27. B Business Occupancy, 14 Male, 14 Female. Female: 2 Watercloset, 1 Lavatory Male: 1 Watercloset, 1 Urinal, 1 Lavatory 2 Staff Shower Rooms adjacent to Locker rooms and Restrooms
	Janitor Closets	60		14.3.7.1.C	
	Staff Breakroom & Meeting Rooms	675	27/shift x 25SF	14.3.6.1G-H	200 SF min or as req to provide 25 SF /staff
	Station Manager Office	270		14.3.6.1A	270 SF
	Facility Manager's Office	270		14.3.6.1C	
	Admin Office Space	270		14.3.6.1.B	
	Facilities Maintenance Office	330		14.3.6.1.C	
	Station General Storage Rooms	200		14.3.7.1.E	Add 60 SF for misc. if required.
Platform Area Op. Mgt. Booth	200	100 SF x (2)	14.3.6.2.I	OMB shall be provided on each platform, 2 platforms	

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**

Palmdale Station Facility Sizing Table (Draft)					
Projected Daily Ridership (2040) 5,600, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking					
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3					
	Function Name	Required Area (Net SF) Minimum	Formula	Chapter 14:Stations	Comments
Building Services and Plant Rooms	Mech., Elec. & Plumbing Rooms	1,000		14.3.7.2	
	Battery Room	400	200 SF x (2)	14.3.7.4.B	Two rooms req, including one room at each end of station for LV batteries.
	UPS Room	1,800	900 SF x (2)	14.3.7.2.C	Two rooms req., one at each end of station for low voltage (LV) distribution, transforming, EP
	Fire Detection & Protection Rooms	100		14.3.7.2.C	
	Train Control /Communications Room	1,915		14.3.7.2.E	Table 14-8 For the train control and communications equipment
	Entrance Facility Room	240		14.3.7.2.E	Table 14-8 For entry of service cabling into the building. May be co-located with the TCC room.
	3rd Party Telecom Room	120		14.3.7.2.E	Table 14-8
	Communications Closets	390	130 SF x (3)	14.3.7.2.E	Table 14-8 Locate close to center of each 10,000 SF of Station Floor Area
Renewable Energy/Stormwater	0				
Maint. Support Areas	Main Station Recycling/Refuse	150		14.3.7.1.A	
	Secondary Station Recycling	60		14.3.7.1.C	
	Landscape Maintenance Room	100		14.3.7.1.F	
	Loading Zone and Service Entrance	800			
	Loading Dock	480	24 Ft wide x 20 Ft deep	14.3.7.1.H	
Access Facilities	HSR Platform	1,410 Ln.Ft		14.3.2.1	
	Metrolink Platform	700 Ln.Ft		14.3.2.1	CHSRA provided platform length.
	Station Entry Plazas (Total Area)	121,191		14.4.4.8	
	Transit Plazas (Total Area)	123,014		14.4.2.4	Sized to accomodate 14 bus/transit shuttle bays.
	Pick-up/ Drop-off Area (Total Area)	62,207		14.4.2.5	Sized to accomodate 50 autos/taxis/TNC Vehicles.
	2029 Surface Area Parking (Total)	251,100	18'x9' / space	14.4.2.6	2029 Parking Supply is 1,550 spaces per CHSRA. Access roads, sidewalks and landscaping are also included in parking area.
	2040 Surface Area Parking (Total)	534,600	18'x9' / space	14.4.2.6	2040 Parking Supply is 3,300 spaces per CHSRA. Access roads, sidewalks and landscaping are also included in parking area.
SUBTOTAL		39,091			
Efficiency Factor		2			
TOTAL AREA- Main Station Building West Entrance		78,182			
TOTAL AREA-Secondary Station Building East		2,000 SF			
TOTAL AREA - Substation Building		10,000 SF			
TOTAL		90,182 SF			

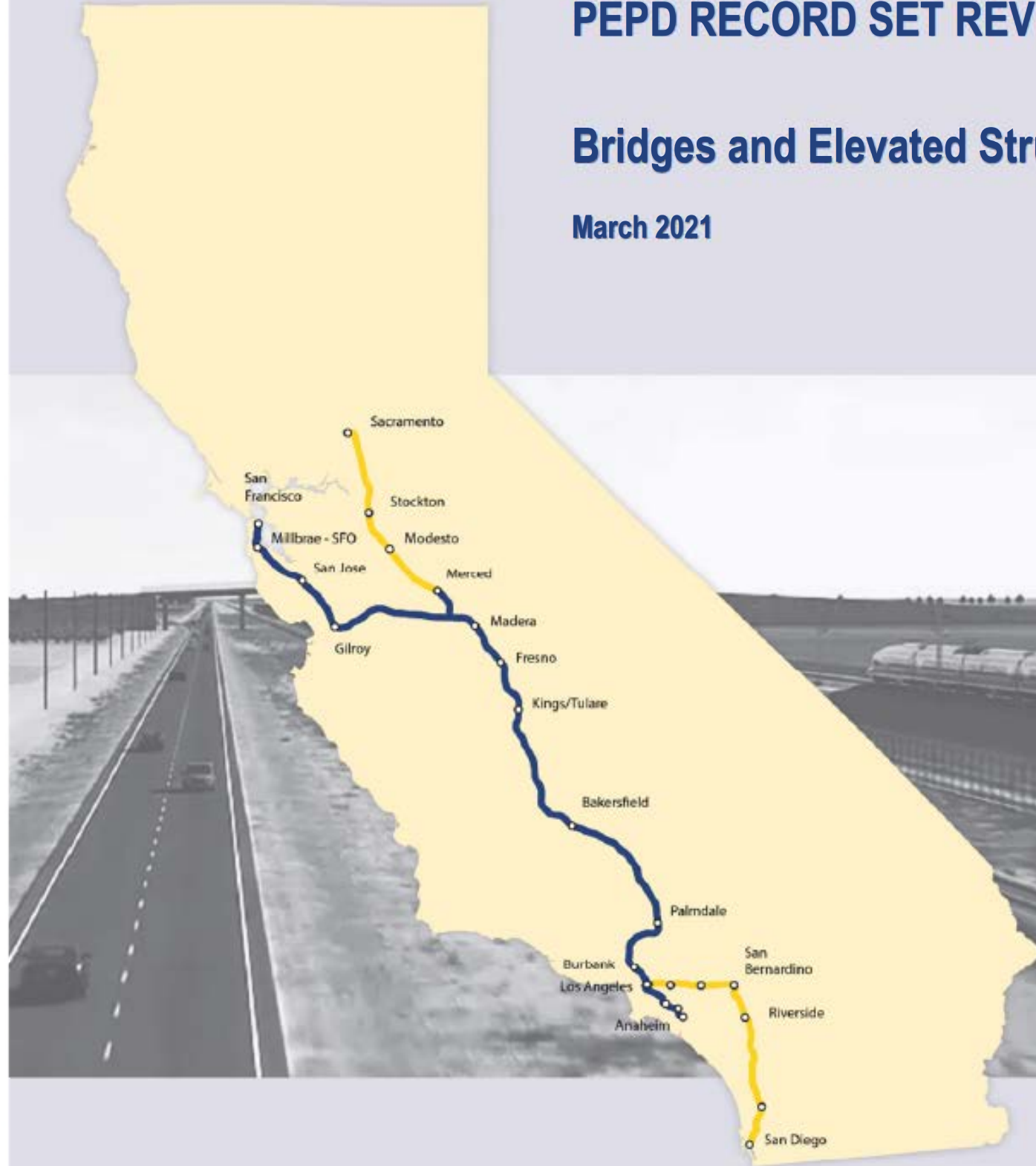
California High-Speed Rail Authority

Palmdale Subsection

PEPD RECORD SET REV02

Bridges and Elevated Structures Plans

March 2021



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

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PALMDALE SUBSECTION, BRIDGES AND ELEVATED STRUCTURES

DRAWING NO	DESCRIPTION
ST-B0001-PLM	PALMDALE SUBSECTION, GENERAL, BRIDGES AND ELEVATED STRUCTURES, INDEX OF DRAWINGS
ST-B0002-PLM	PALMDALE SUBSECTION, GENERAL, BRIDGES AND ELEVATED STRUCTURES, ABBREVIATIONS
ST-B0003-PLM	PALMDALE SUBSECTION, GENERAL, BRIDGES AND ELEVATED STRUCTURES, ABBREVIATIONS AND LEGEND
ST-B0004-PLM	PALMDALE SUBSECTION, GENERAL, FAULT KEY MAP FOR STRUCTURES
ST-J1001-PLM	PALMDALE SUBSECTION LMF NB RAIL CROSSING VIADUCT GENERAL PLAN
ST-J1002-PLM	PALMDALE SUBSECTION SIERRA HWY UNDERPASS (SB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1003-PLM	PALMDALE SUBSECTION SIERRA HWY UNDERPASS (MAIN TRACK) VIADUCT GENERAL PLAN
ST-J1004-PLM	PALMDALE SUBSECTION SIERRA HWY UNDERPASS (NB PLATFORM TRACK) VIADUCT GENERAL PLAN
ST-J1005-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SB PLATFORM TRACK) GENERAL PLAN
ST-J1006-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (MAIN TRACK) GENERAL PLAN
ST-J1007-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (NB PLATFORM TRACK) GENERAL PLAN
ST-J1008-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (SB PLATFORM TRACK) GENERAL PLAN
ST-J1009-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (MAIN TRACK) GENERAL PLAN
ST-J1010-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (NB PLATFORM TRACK) GENERAL PLAN
ST-J1201-PLM	PALMDALE SUBSECTION SIERRA HWY UNDERPASS (SCRRA) GENERAL PLAN
ST-J1202-PLM	PALMDALE SUBSECTION SIERRA HWY UNDERPASS (UPRR) GENERAL PLAN
ST-J1203-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SCRRA TRACK 2) GENERAL PLAN
ST-J1204-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (SCRRA TRACK 1) GENERAL PLAN
ST-J1205-PLM	PALMDALE SUBSECTION AVENUE Q UNDERPASS (UPRR) GENERAL PLAN
ST-J1206-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (SCRRA TRACK 2) GENERAL PLAN
ST-J1207-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (SCRRA TRACK 1) GENERAL PLAN
ST-J1208-PLM	PALMDALE SUBSECTION PALMDALE BOULEVARD UNDERPASS (UPRR) GENERAL PLAN
ST-J1401-PLM	PALMDALE SUBSECTION AVENUE R OVERHEAD GENERAL PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELANO
DATE
03/01/2021

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



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
GENERAL
BRIDGES AND ELEVATED STRUCTURES
INDEX OF DRAWINGS

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-B0001-PLM
SCALE
NONE
SHEET NO.
141

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
C	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
EO	EQUATION, EQUAL
ES	EDGE OF SHOULDER
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EW	ENDWALL
EXC	EXCAVATION
EXIST, EX.	EXISTING
EXP	EXPANSION
EXP JT	EXPANSION JOINT
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
R,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

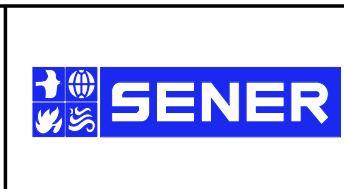
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020481.4

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. MOLINA
DRAWN BY J. LOPEZ
CHECKED BY J. REVOLTOS
IN CHARGE A. RELANO
DATE 03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET
REV 02
NOT FOR CONSTRUCTION



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

CONTRACT NO. HSR14-42
DRAWING NO. ST-B0002-PLM
SCALE NONE
SHEET NO. 142

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 THREE 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 THREE 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
 WWLWL WINGWALL LAYOUT LINE
 W/ WITH

X

X SEC CROSS SECTION
 XING CROSSING

Y

YR YEAR
 YRS YEARS

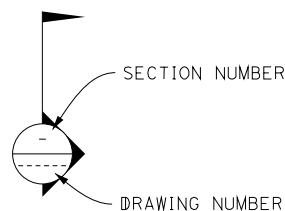
GENERAL NOTES

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.

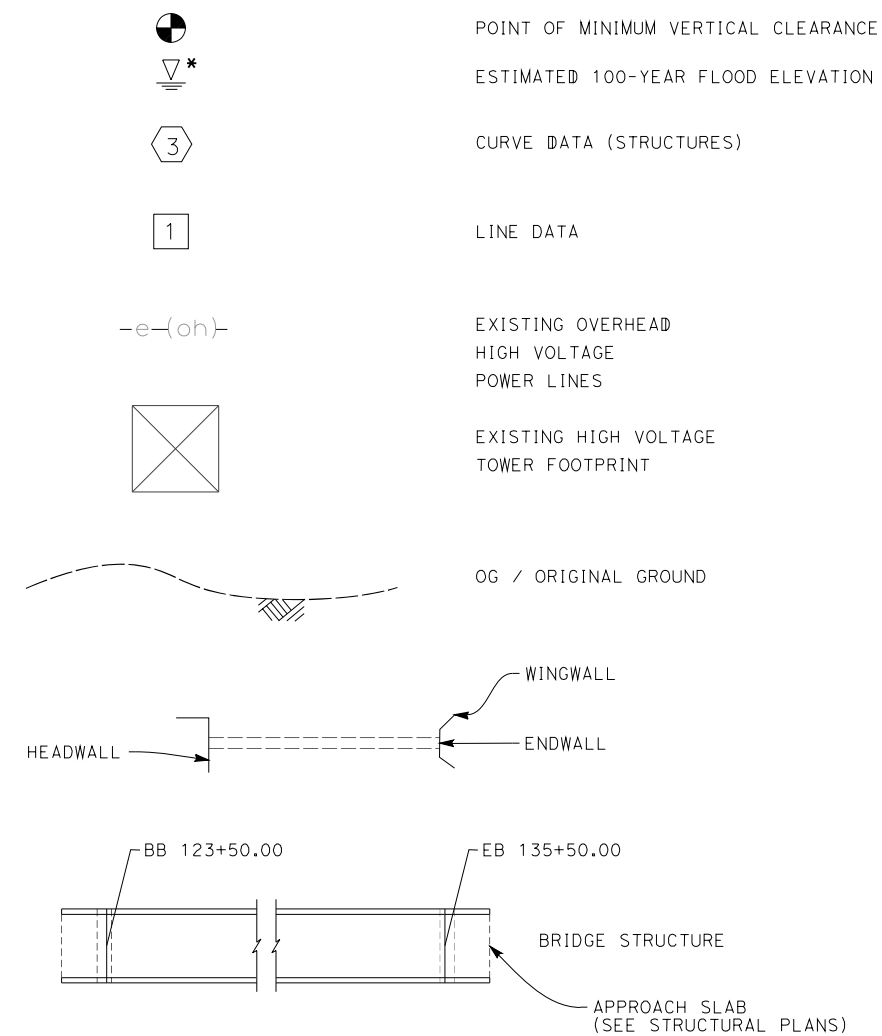
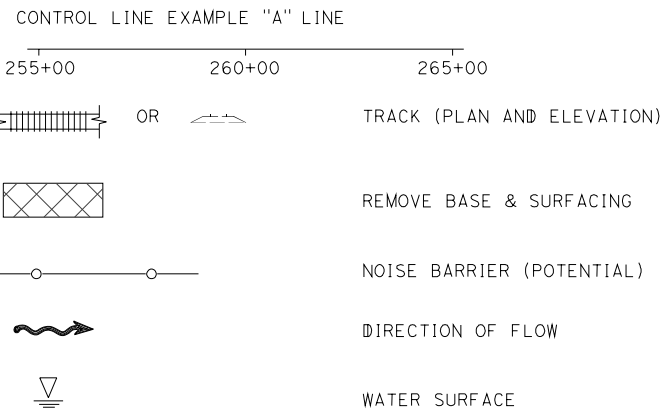
DRAWING CODES:

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

LEGEND



- PROPOSED HST RIGHT OF WAY
- RETAINING WALL
- FILL
- CUT



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REV	DATE	BY	CHK	APP	DESCRIPTION

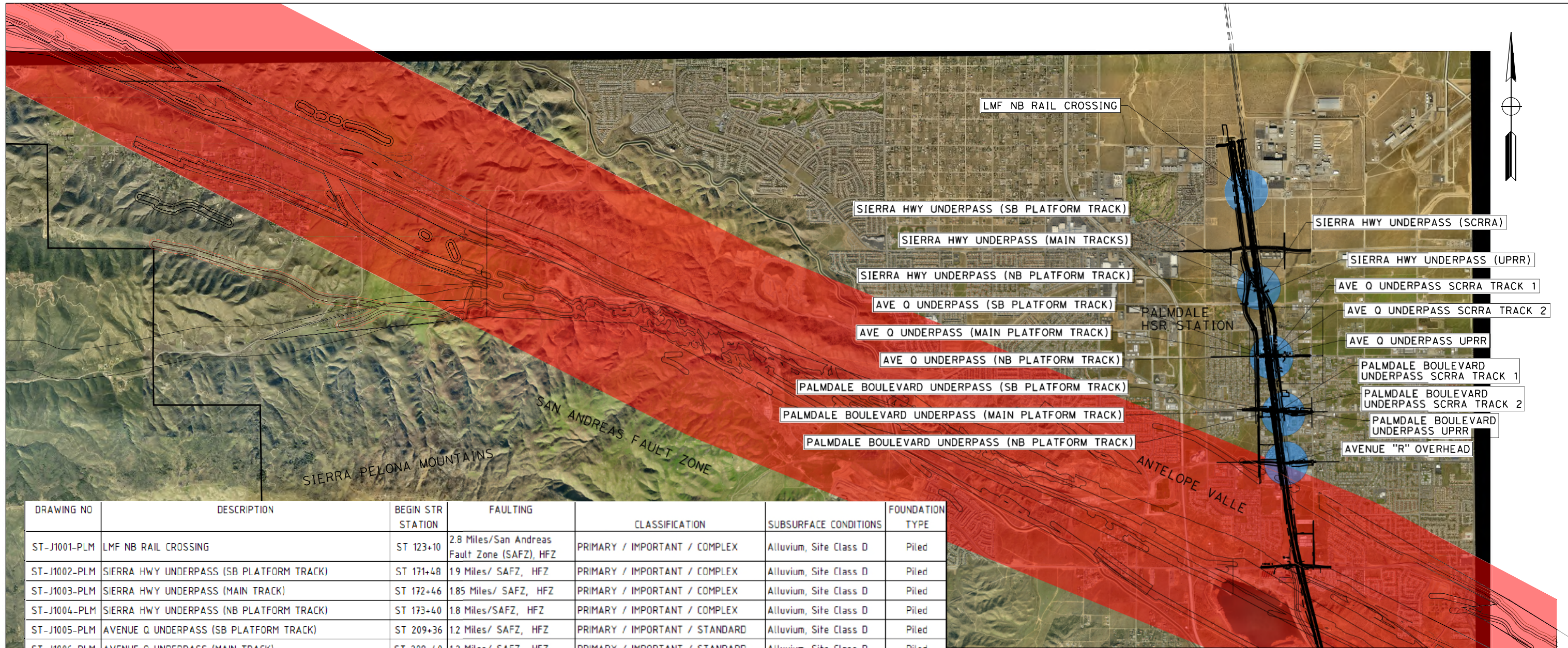
DESIGNED BY
A. MOLINA
 DRAWN BY
J. LOPEZ
 CHECKED BY
J. REVOLTOS
 IN CHARGE
A. RELANO
 DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET
REV 02
NOT FOR CONSTRUCTION



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

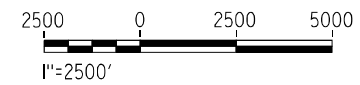
CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-B0003-PLM
 SCALE
NONE
 SHEET NO.
143



DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	CLASSIFICATION	SUBSURFACE CONDITIONS	FOUNDATION TYPE
ST-J1001-PLM	LMF NB RAIL CROSSING	ST 123+10	2.8 Miles/San Andreas Fault Zone (SAFZ), HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1002-PLM	SIERRA HWY UNDERPASS (SB PLATFORM TRACK)	ST 171+48	19 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1003-PLM	SIERRA HWY UNDERPASS (MAIN TRACK)	ST 172+46	18.5 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1004-PLM	SIERRA HWY UNDERPASS (NB PLATFORM TRACK)	ST 173+40	18 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1005-PLM	AVENUE Q UNDERPASS (SB PLATFORM TRACK)	ST 209+36	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1006-PLM	AVENUE Q UNDERPASS (MAIN TRACK)	ST 209+40	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1007-PLM	AVENUE Q UNDERPASS (NB PLATFORM TRACK)	ST 209+48	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1008-PLM	PALMDALE BOULEVARD UNDERPASS (SB PLATFORM TRACK)	ST 240+00	0.56 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1009-PLM	PALMDALE BOULEVARD UNDERPASS (MAIN TRACK)	ST 240+00	0.56 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1010-PLM	PALMDALE BOULEVARD UNDERPASS (NB PLATFORM TRACK)	ST 240+00	0.56 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1201-PLM	SIERRA HWY UNDERPASS (SCRRRA)	ST 176+70	1.8 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1202-PLM	SIERRA HWY UNDERPASS (UPRR)	ST 177+00	1.8 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1203-PLM	AVENUE Q UNDERPASS (SCRRRA TRACK 2)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1204-PLM	AVENUE Q UNDERPASS (SCRRRA TRACK 1)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1205-PLM	AVENUE Q UNDERPASS (UPRR)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1206-PLM	PALMDALE BOULEVARD UNDERPASS (SCRRRA TRACK 2)	ST 240+00	0.56 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1207-PLM	PALMDALE BOULEVARD UNDERPASS (SCRRRA TRACK 1)	ST 240+00	0.56 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1208-PLM	PALMDALE BOULEVARD UNDERPASS (UPRR)	ST 240+00	0.56 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1401-PLM	AVENUE R OVERHEAD	ST 264+00	0.08 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled

FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)

- HAZARDOUS
- POTENTIALLY HAZARDOUS
- NON-HAZARDOUS



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22/02/2021 12:49:04

020481.4

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELANO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

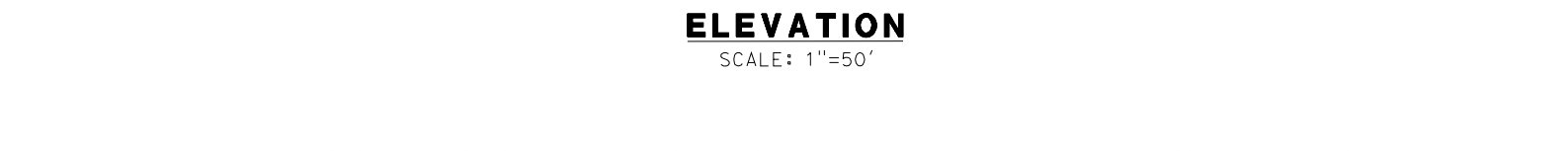
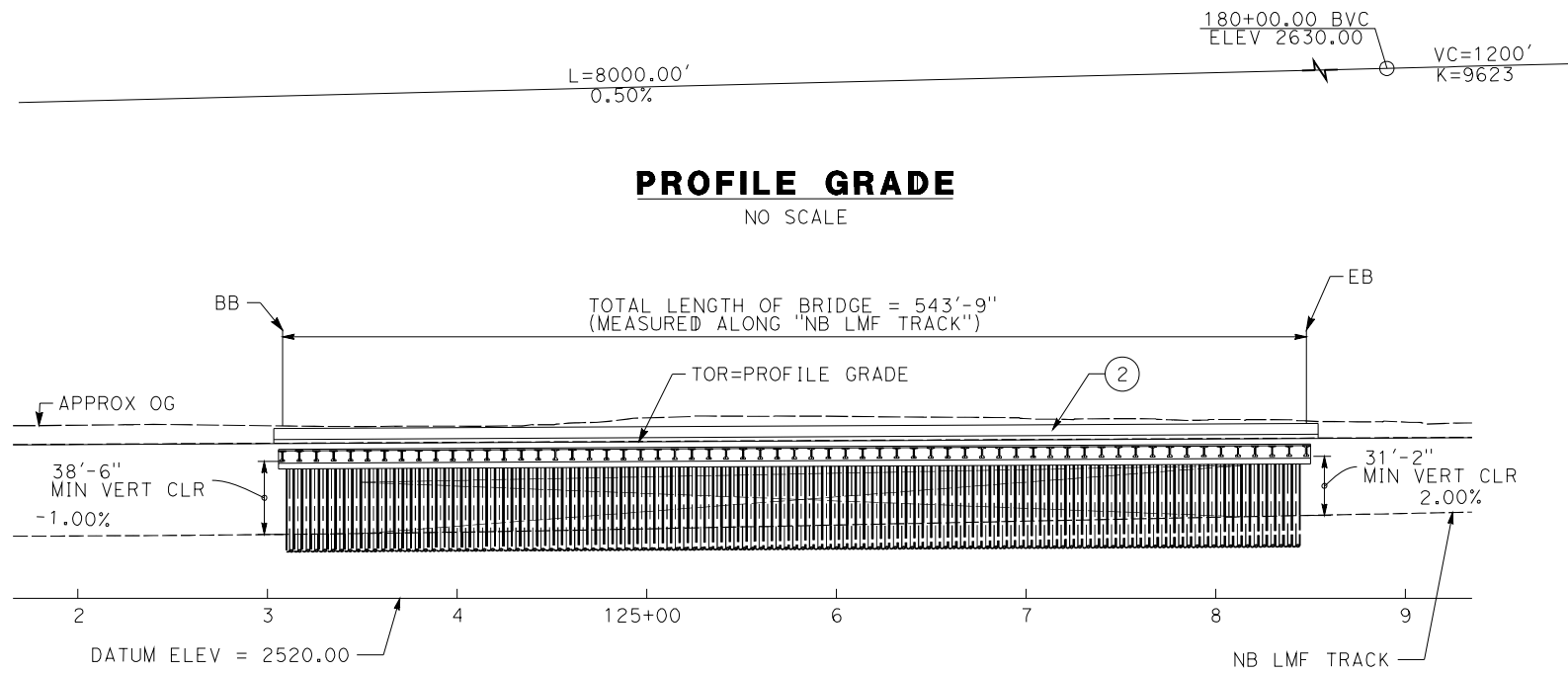
GENERAL
FAULT KEY MAP FOR STRUCTURES

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-B0004-PLM

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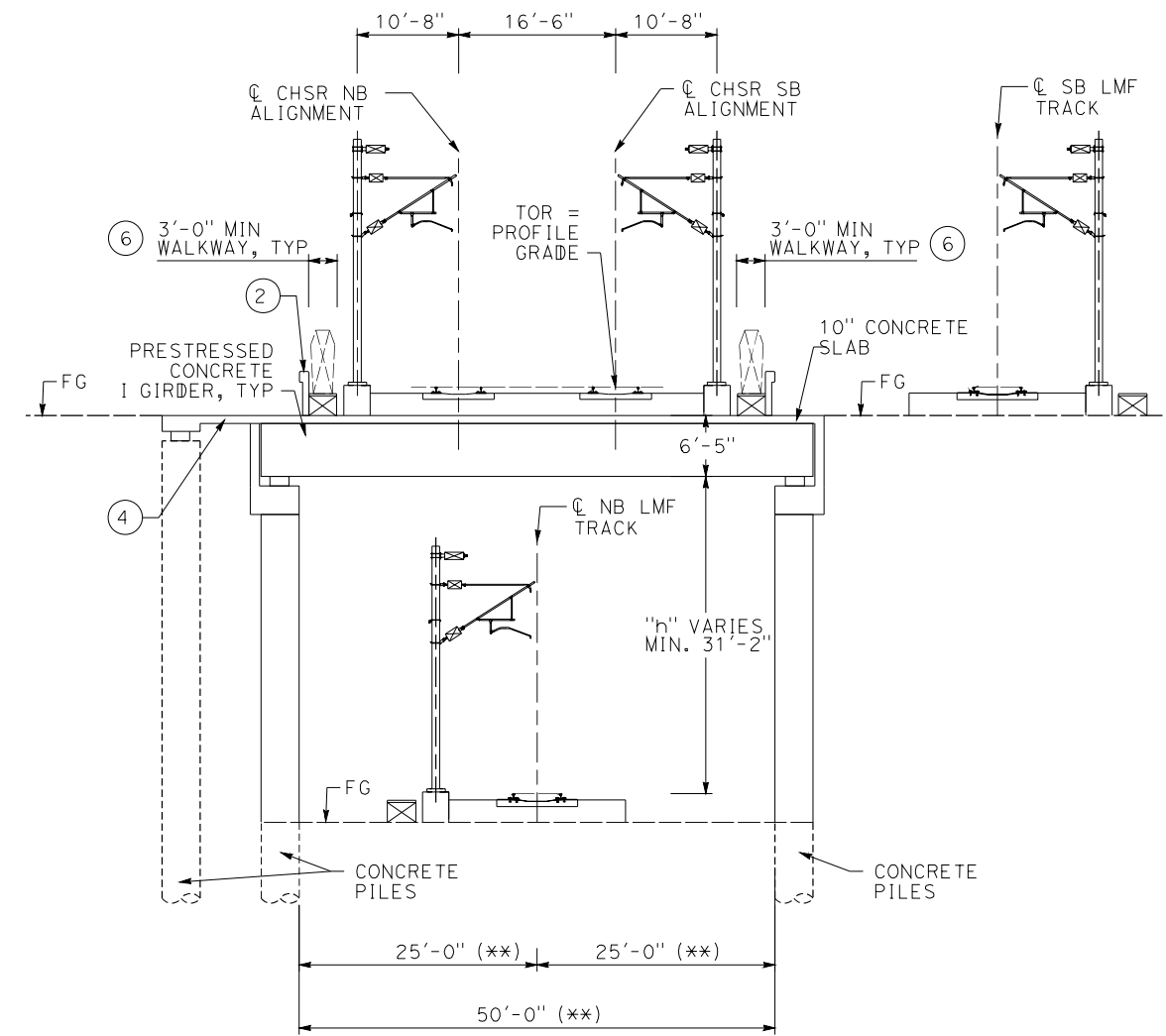
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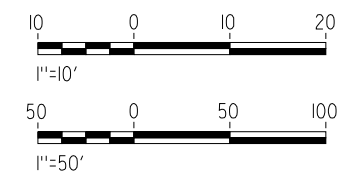
NOTES:
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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

SUMP LOCATION FOR THE NB LMF PROFILE LOWEST POINT IS SHOWN IN DRAINAGE DRAWINGS SET. CROSS SLOPE OF 2% TO THE CENTER OF THE SLAB SHALL BE PROVIDED IN THE HST UPPER DECK SLAB FOR DRAINAGE PURPOSES. THIS DETAIL AND INLETS POSITION WILL BE DEFINED IN FORTHCOMING STAGES OF DESIGN. CROSS SECTIONS SHOWN BELOW ARE PERPENDICULAR TO BOTH TRACKS (HST & LMF) FOR CLARIFICATION PURPOSES ONLY.

- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



* REFERED TO SB CHSR TRACK
** MEASURED ACROSS NB LMF TRACK



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22/02/2021 12:50:22

0204814

REV	DATB	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION


LMF NB RAIL CROSSING VIADUCT
GENERAL PLAN

CONTRACT NO.
HSR14-42

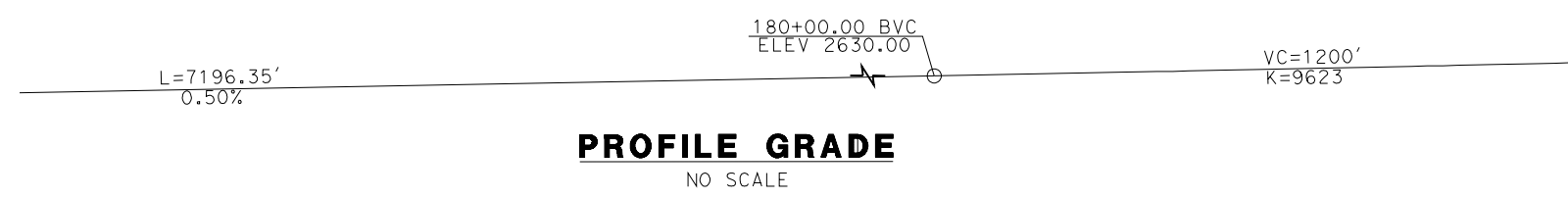
DRAWING NO.
ST-J1001-PLM

SCALE
AS SHOWN

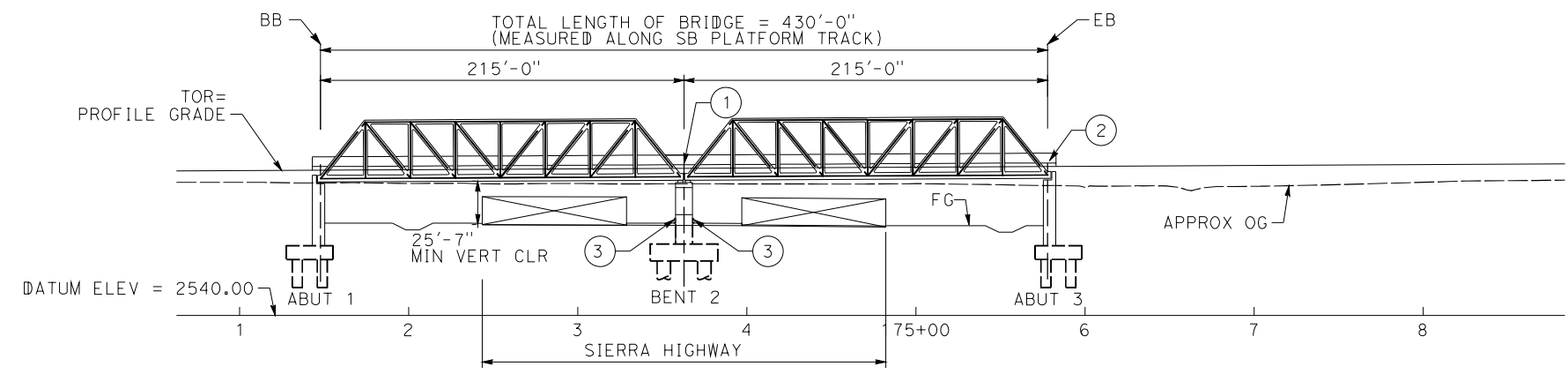
SHEET NO.
1 of 10

- LEGEND:**
-  INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

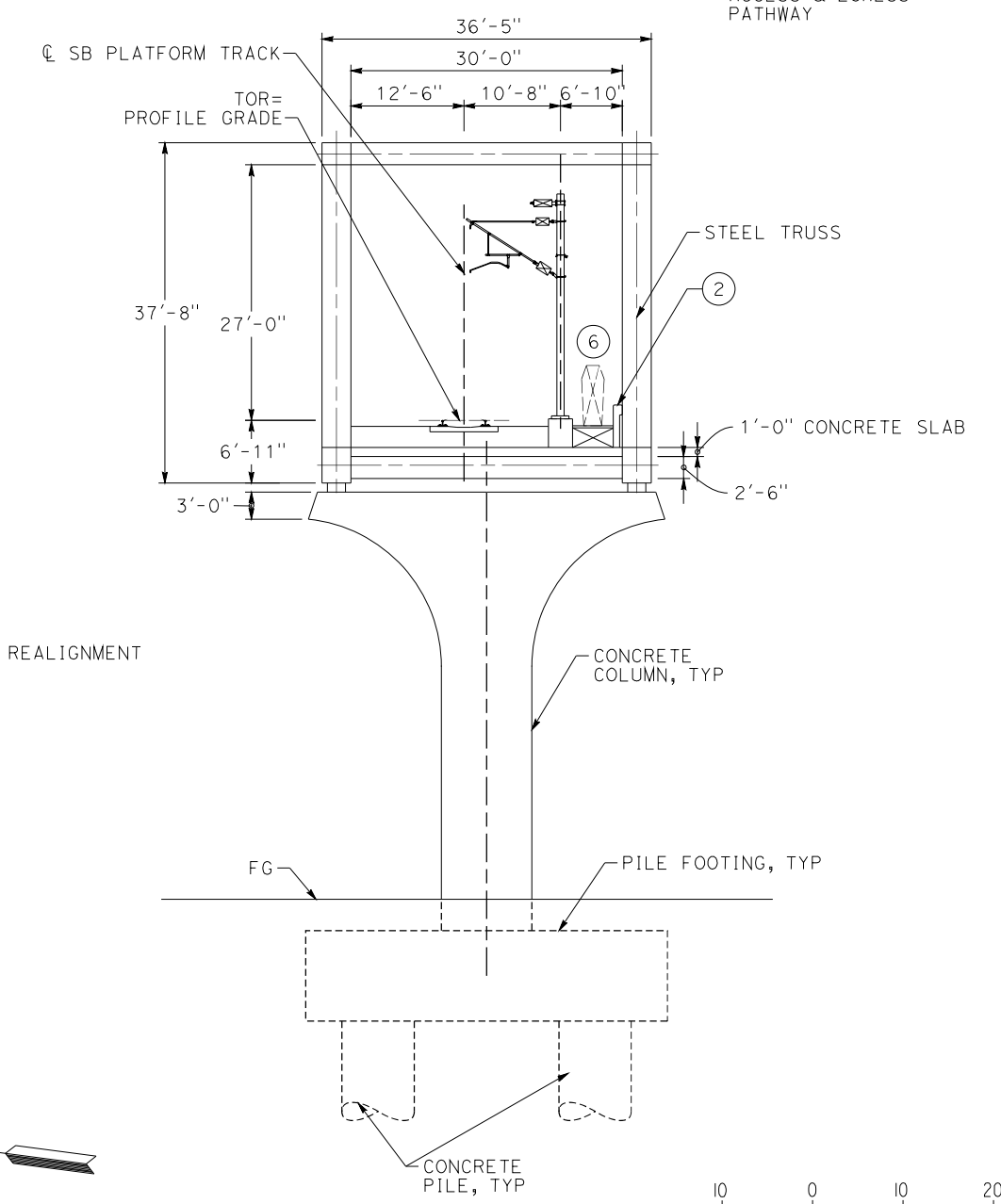
NOTE:
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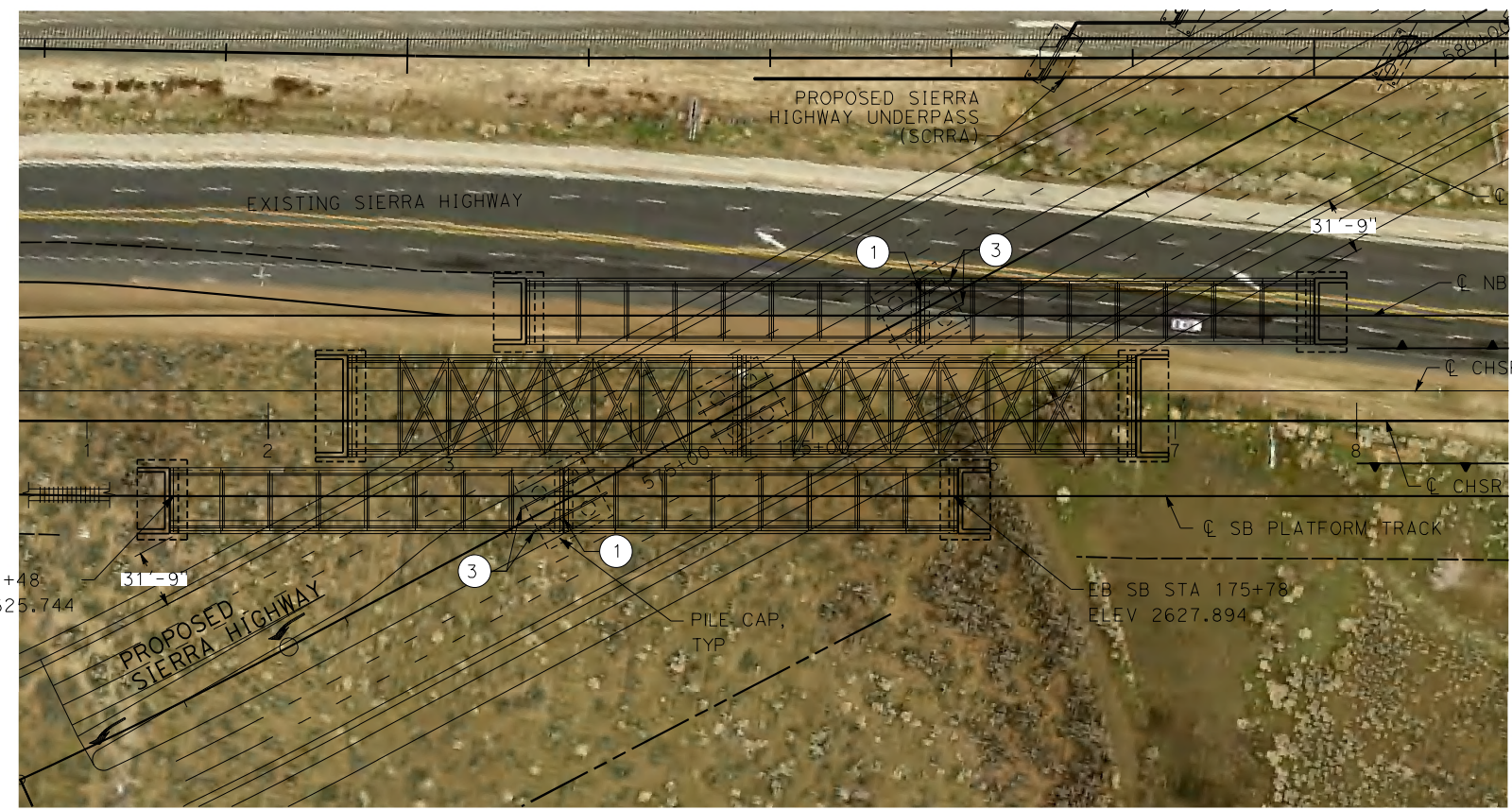
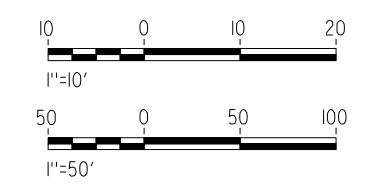
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ELEVATION
SCALE: 1"=50'



TYPICAL SECTION
SCALE: 1"=10'



PLAN
SCALE: 1"=50'

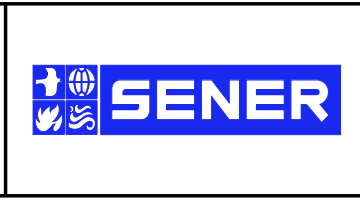
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22/02/2021 13:20:00

REV	DATE	BY	CHK	APP	DESCRIPTION


DESIGNED BY
A. MOLINA
 DRAWN BY
J. LOPEZ
 CHECKED BY
J. REVOLTOS
 IN CHARGE
A. RELAÑO
 DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION

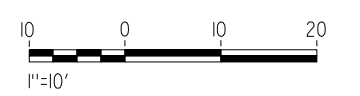
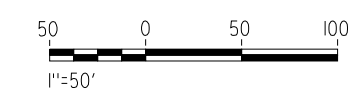
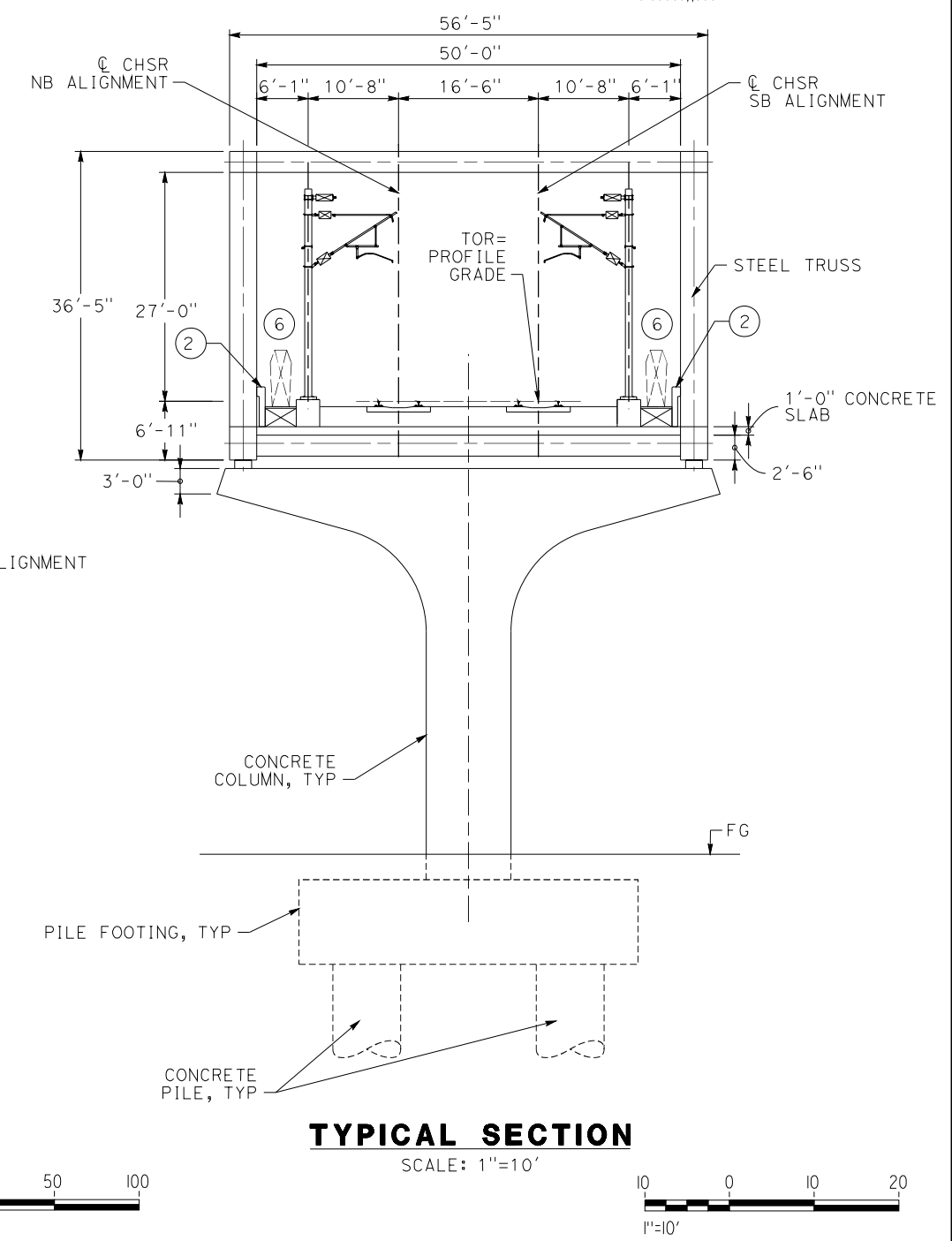
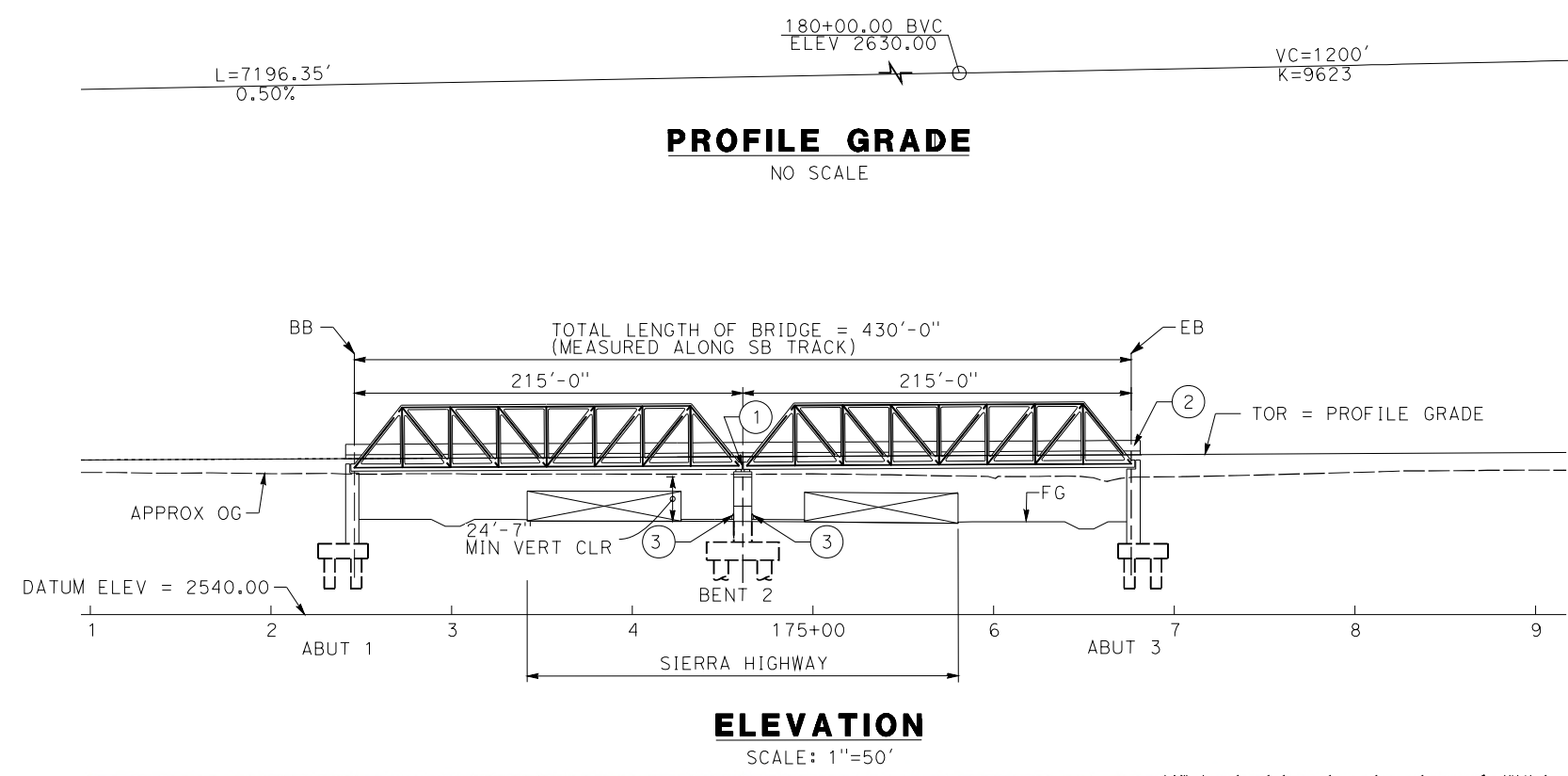


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 SIERRA HWY UNDERPASS (SB PLATFORM TRACK) VIADUCT
 GENERAL PLAN

CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-J1002-PLM
 SCALE
AS SHOWN
 SHEET NO.
146

- LEGEND:**
-  INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

NOTE:
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22/02/2021 12:51:56

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. ROVOLTOS

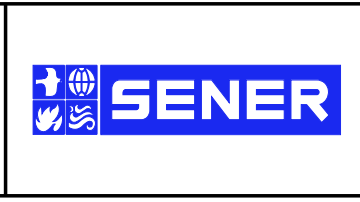
IN CHARGE
A. RELANO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

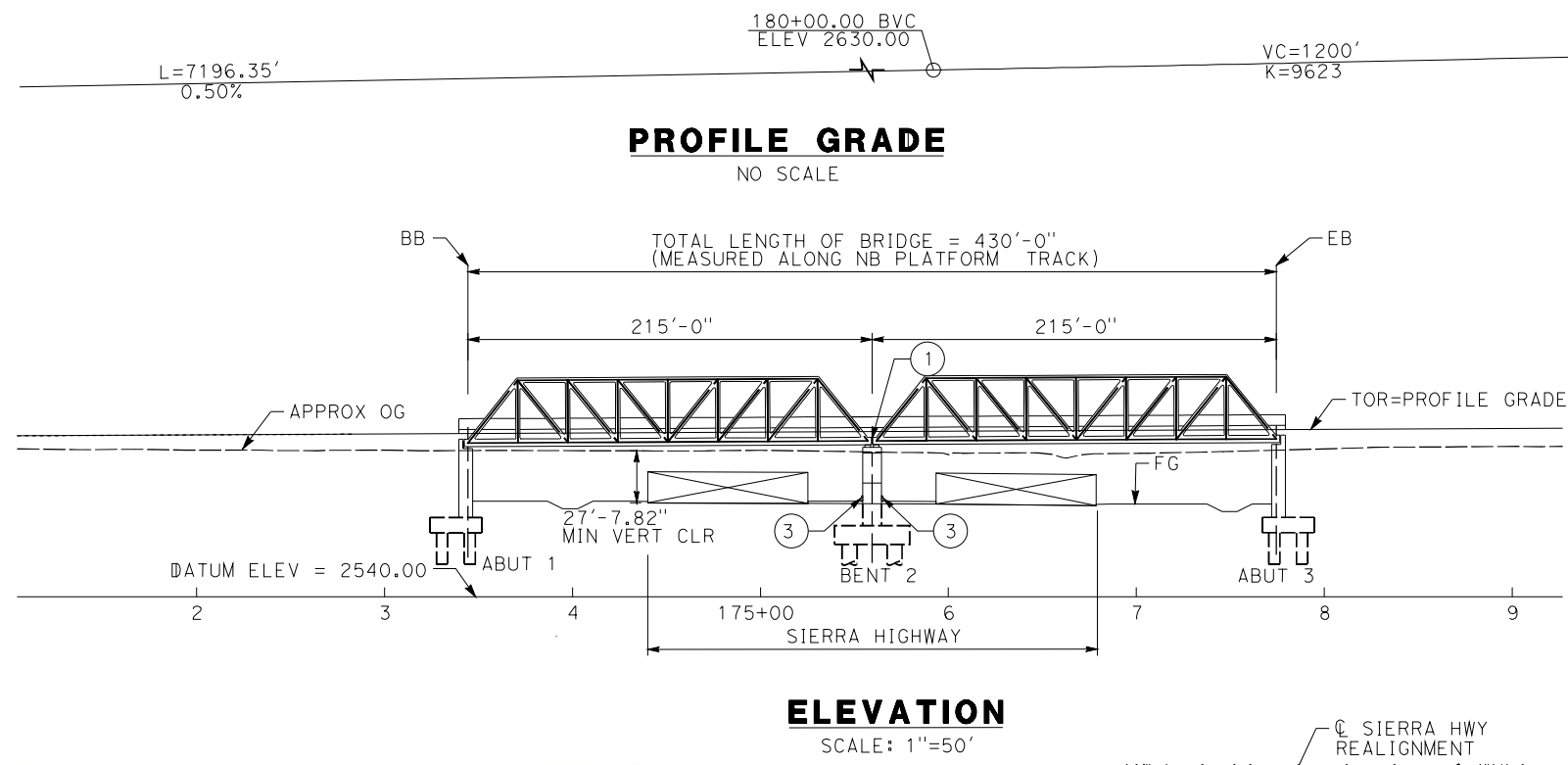
SIERRA HWY UNDERPASS (MAIN TRACKS) VIADUCT GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1003-PLM

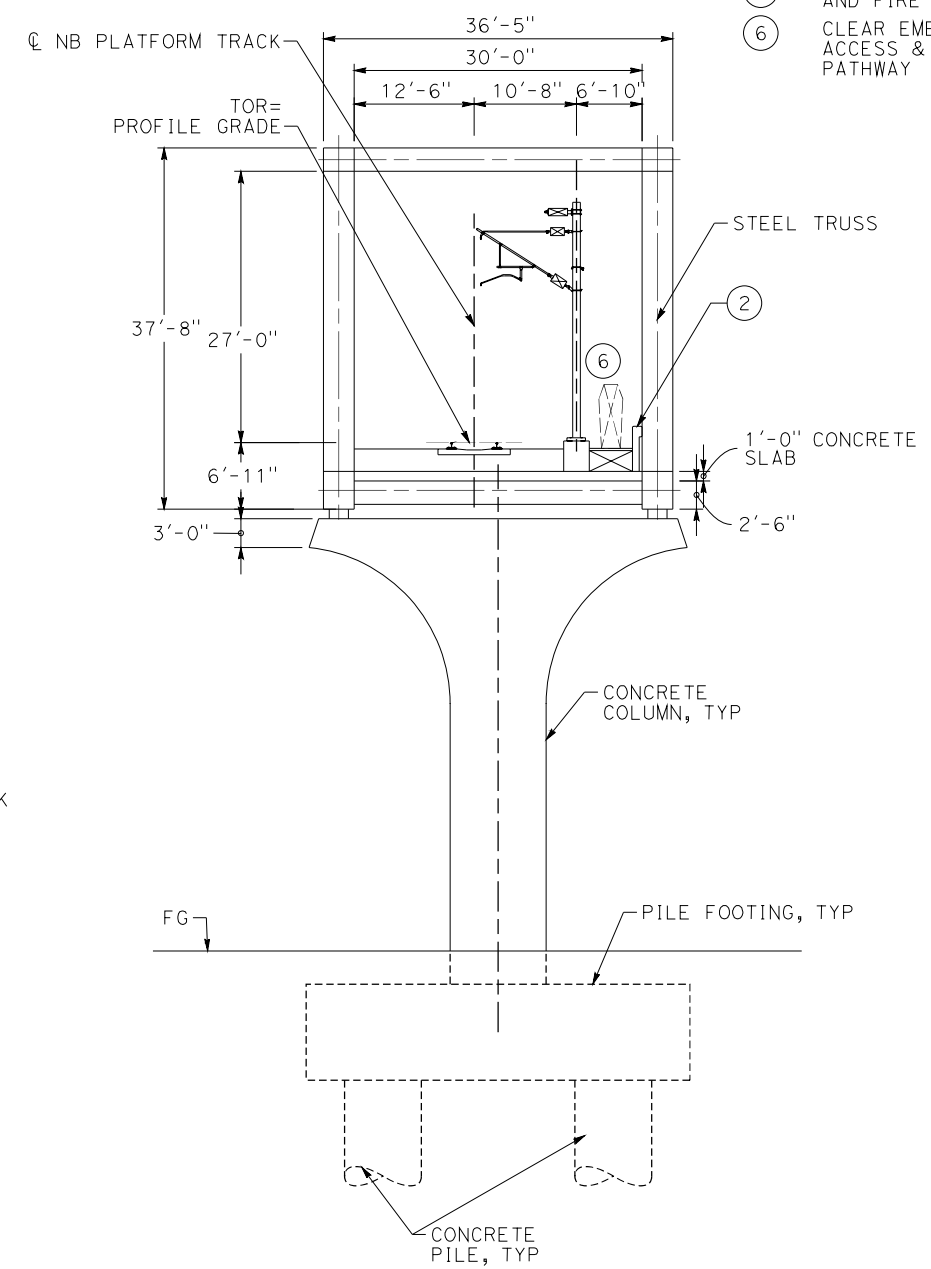
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AS SHOWN

SHEET NO.
147

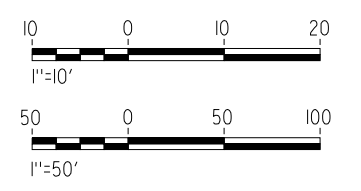


NOTE:
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- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



TYPICAL SECTION
SCALE: 1"=10'



PLAN
SCALE: 1"=50'

c:\pwworking\chsr\dms14442\pb-st-j1004-plm.dgn

22/02/2021 13:32:38

REV	DATB	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

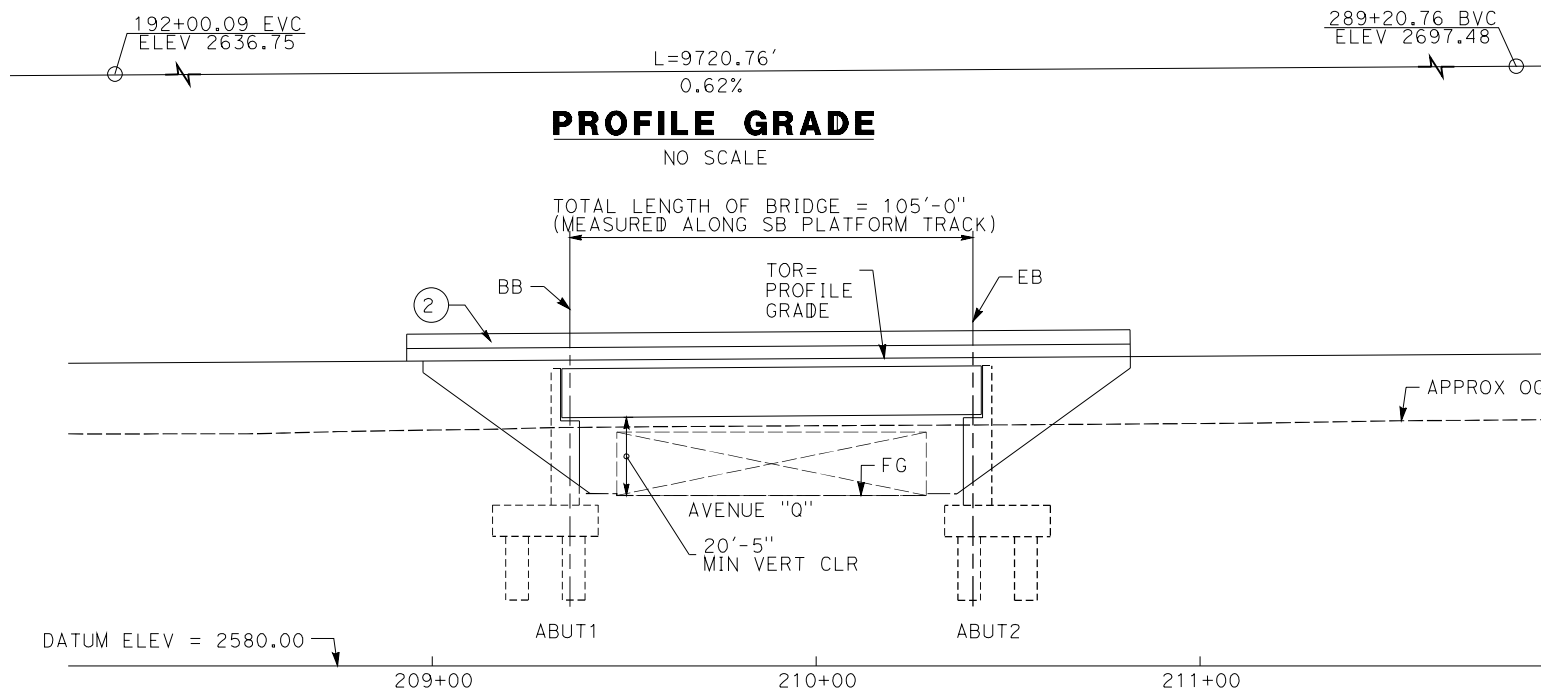
SIERRA HWY UNDERPASS (NB PLATFORM TRACK) VIADUCT
GENERAL PLAN

CONTRACT NO.
HSR14-42

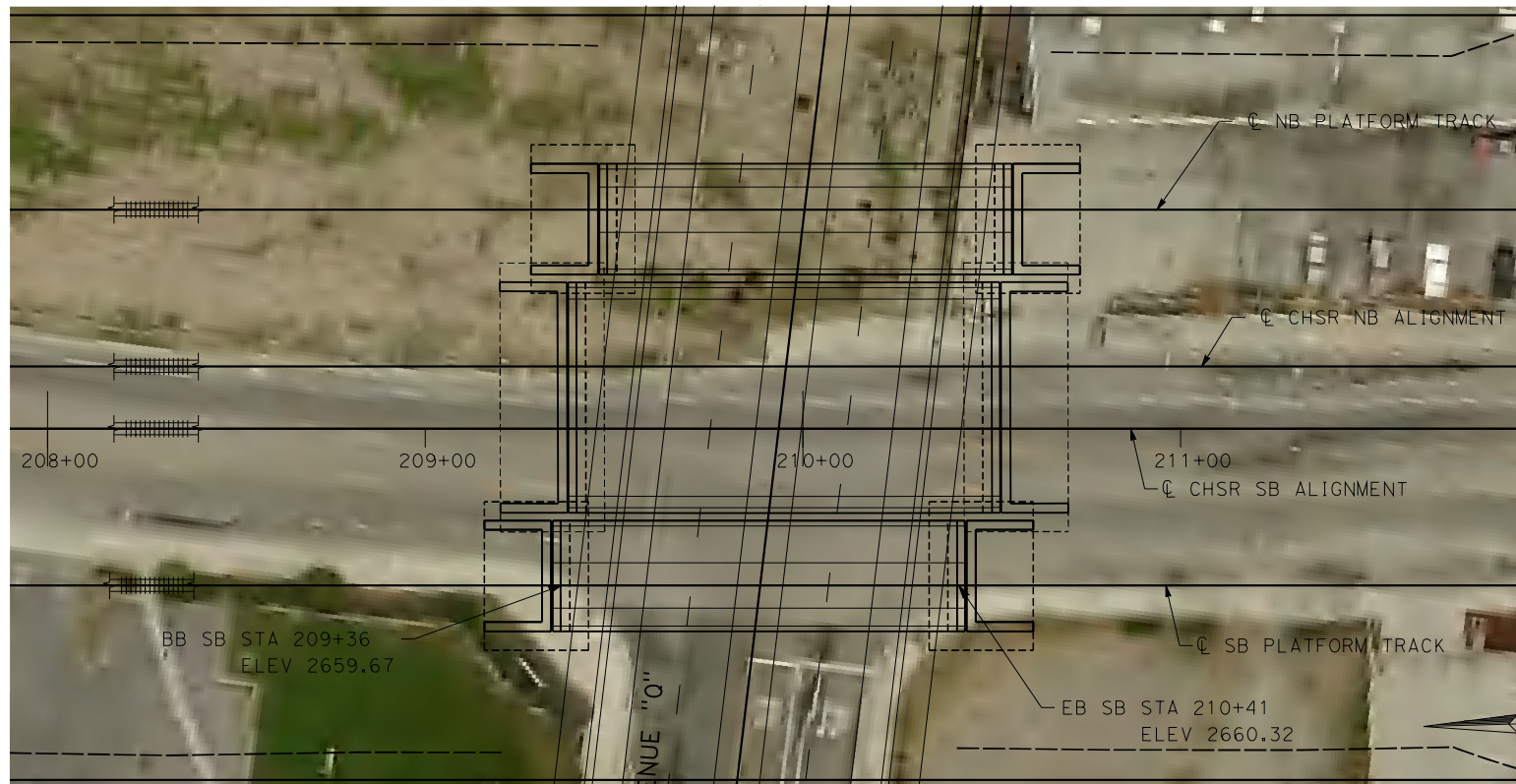
DRAWING NO.
ST-J1004-PLM

SCALE
AS SHOWN

SHEET NO.
148



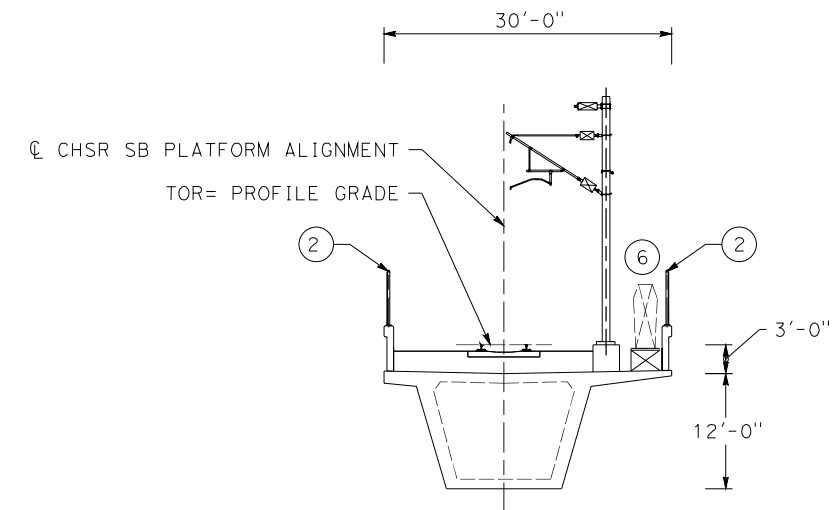
ELEVATION
SCALE: 1"=25'



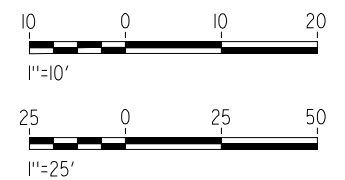
PLAN
SCALE: 1"=25'

NOTE:
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.

- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



TYPICAL SECTION
SCALE: 1"=10'



c:\pwworking\chsr\dms14442\pb-st-j1005-plm.dgn

22/02/2021 12:53:31

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

AVENUE Q UNDERPASS (SB PLATFORM TRACK)

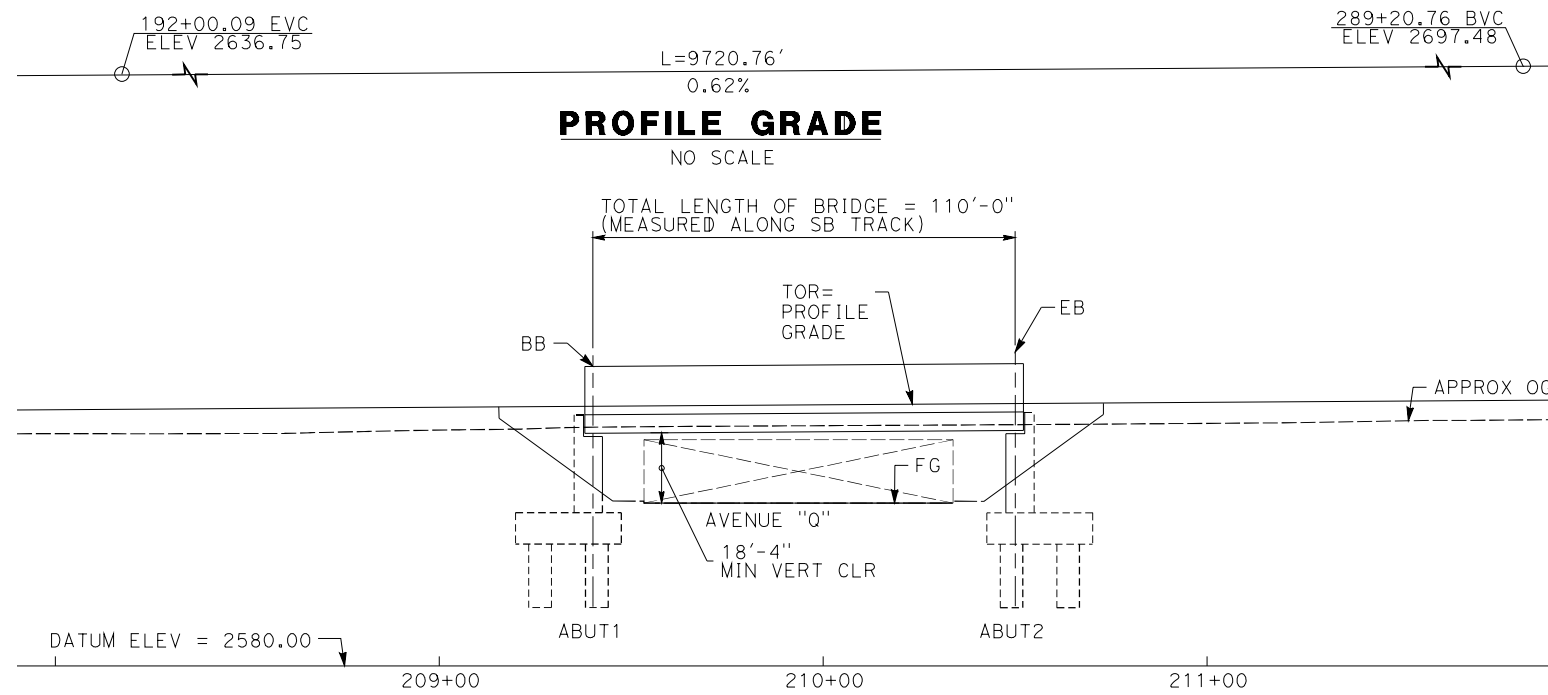
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1005-PLM

SCALE
AS SHOWN

SHEET NO.
149

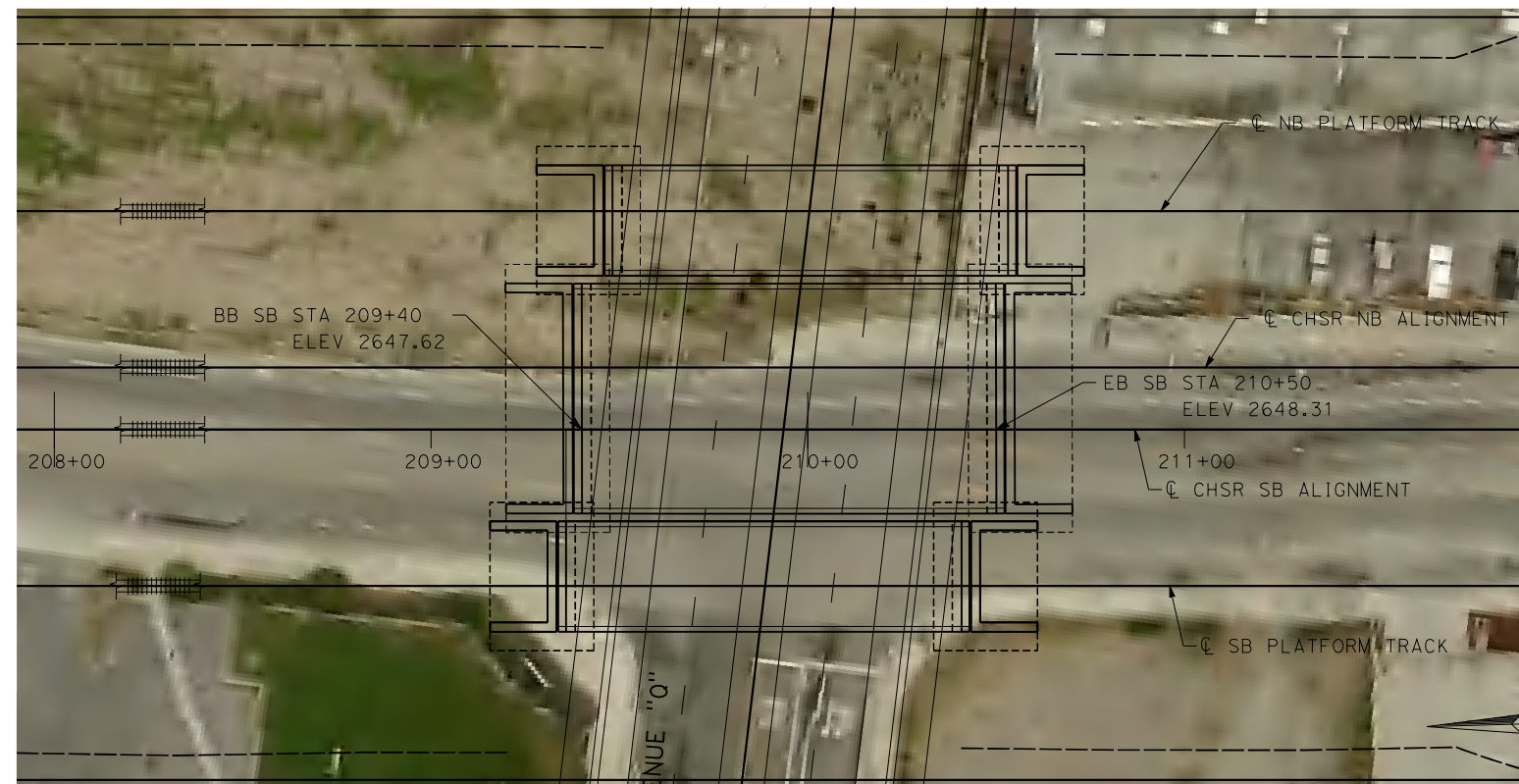


PROFILE GRADE

NO SCALE

ELEVATION

SCALE: 1"=25'



PLAN

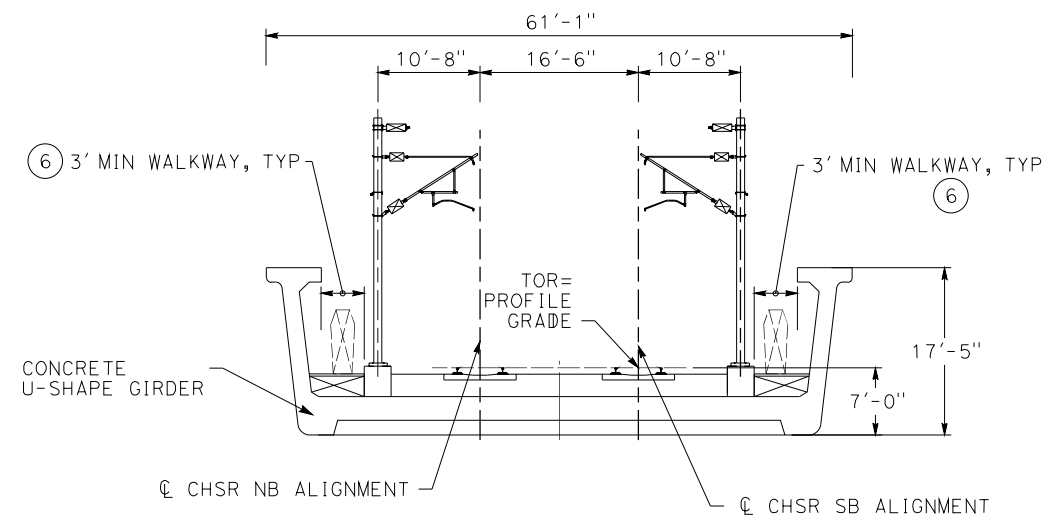
SCALE: 1"=25'

NOTE:

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.

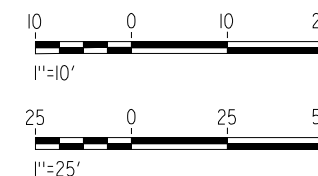
LEGEND:

- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
- ① EXPANSION JOINT, TYP
- ② CONCRETE BARRIER
- ③ GUARDRAIL OR PIER PROTECTION WALL
- ④ NORMALIZING SLAB
- ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
- ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



TYPICAL SECTION

SCALE: 1"=10'



c:\pwworking\chsr\dms14442\pb-st-j1006-plm.dgn

22/02/2021 12:54:07

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

AVENUE O UNDERPASS (MAIN TRACK)

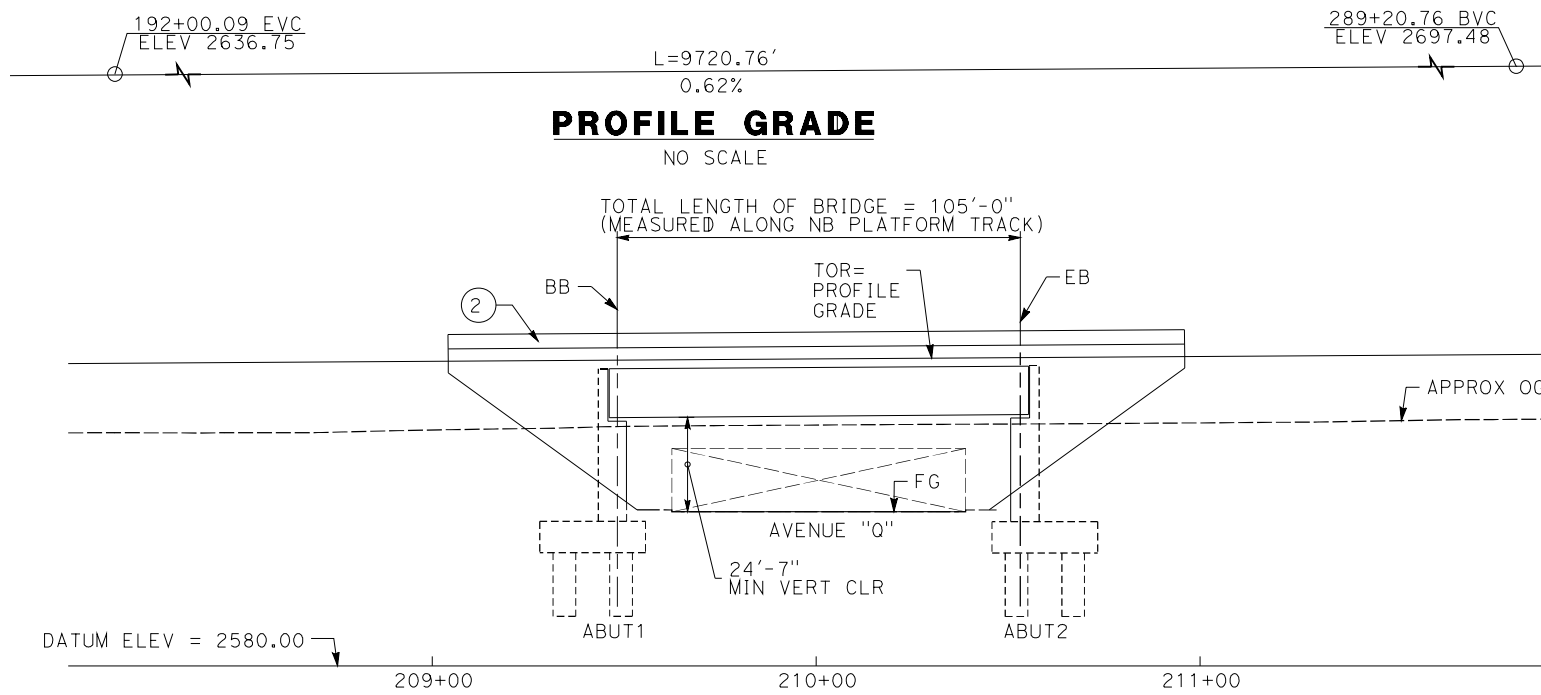
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1006-PLM

SCALE
AS SHOWN

SHEET NO.
150



PROFILE GRADE

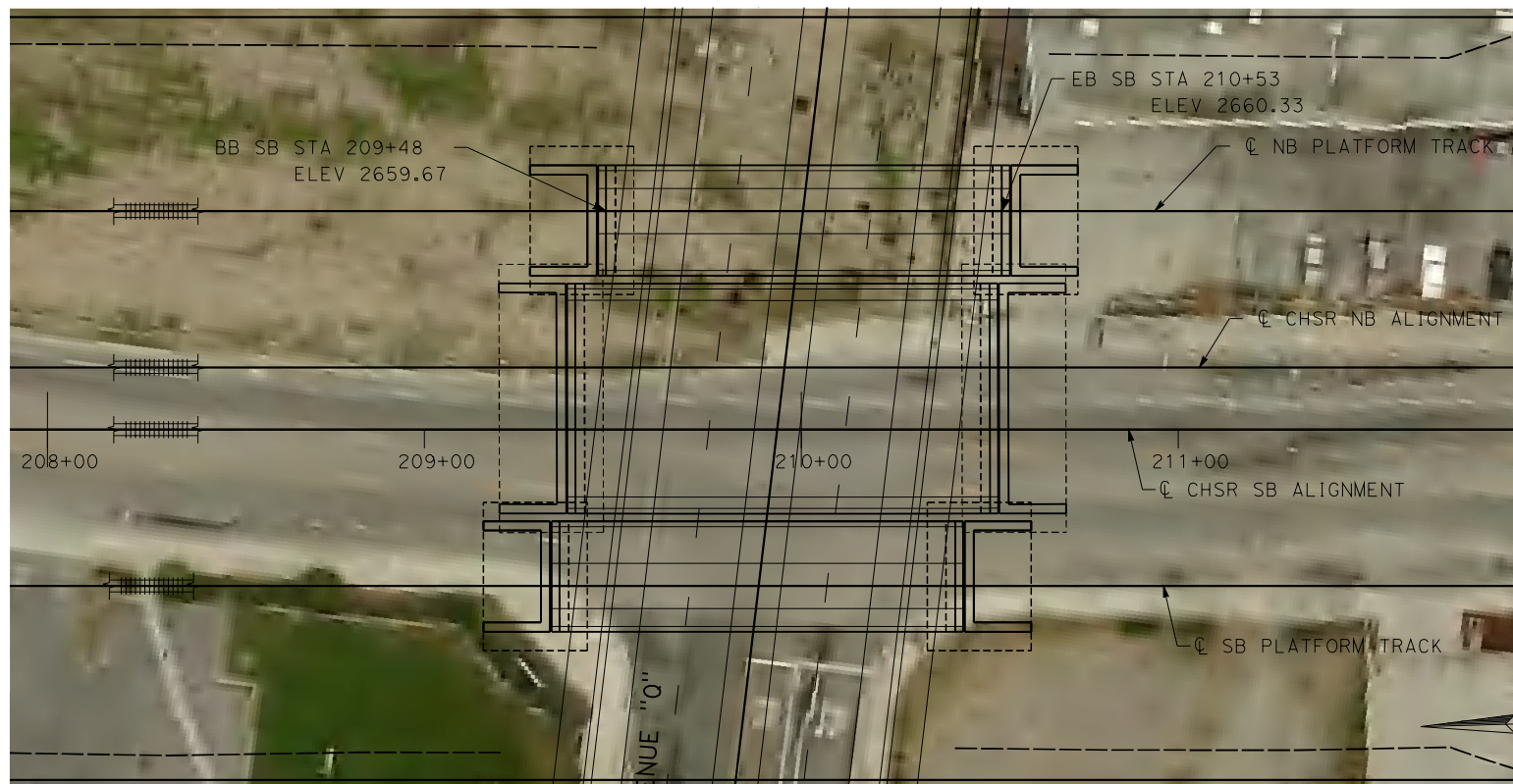
NO SCALE

TOTAL LENGTH OF BRIDGE = 105'-0"
(MEASURED ALONG NB PLATFORM TRACK)

DATUM ELEV = 2580.00

ELEVATION

SCALE: 1"=25'




PLAN

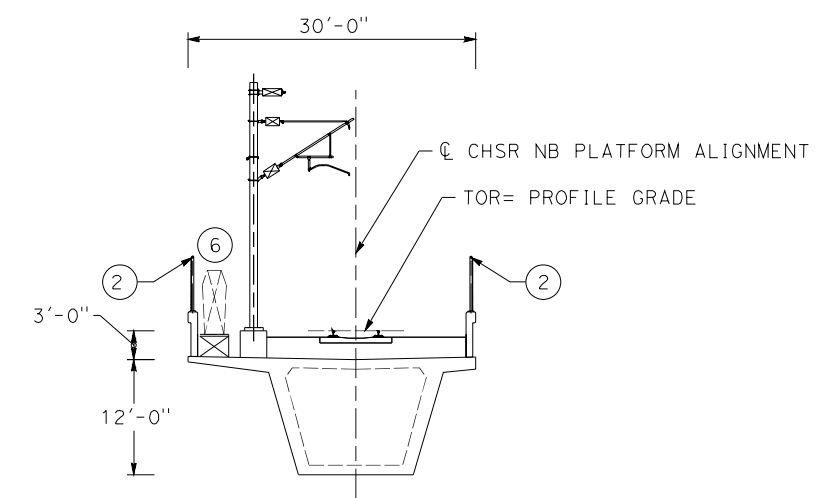
SCALE: 1"=25'

NOTE:

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.

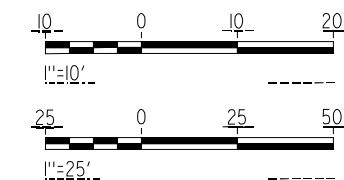
LEGEND:

-  INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
- ① EXPANSION JOINT, TYP
- ② CONCRETE BARRIER
- ③ GUARDRAIL OR PIER PROTECTION WALL
- ④ NORMALIZING SLAB
- ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
- ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



TYPICAL SECTION

SCALE: 1"=10'



c:\pwworking\chsr\dms14442\pb-st-j1007-plm.dgn

22/02/2021 12:54:44

REV	DATE	BY	CHK	APP	DESCRIPTION

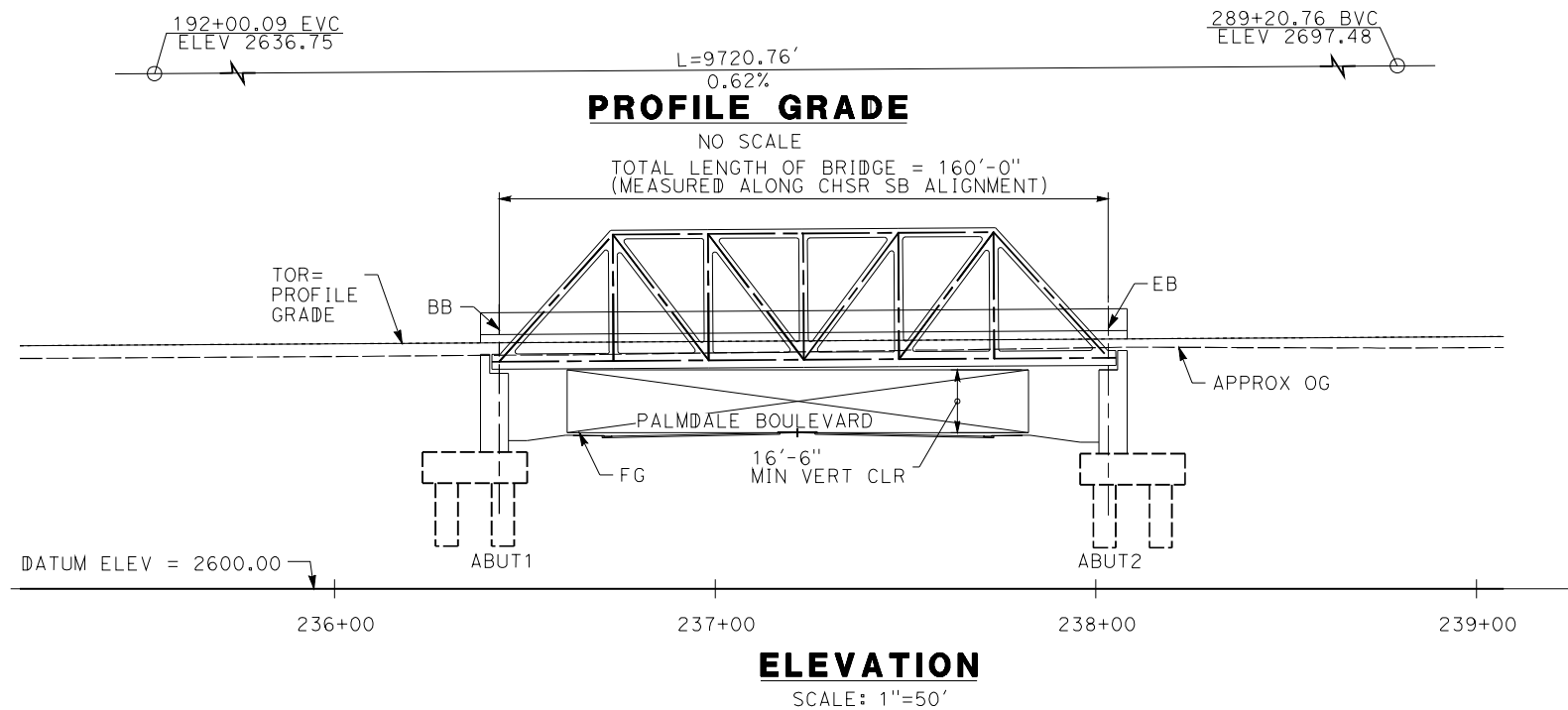
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELANO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



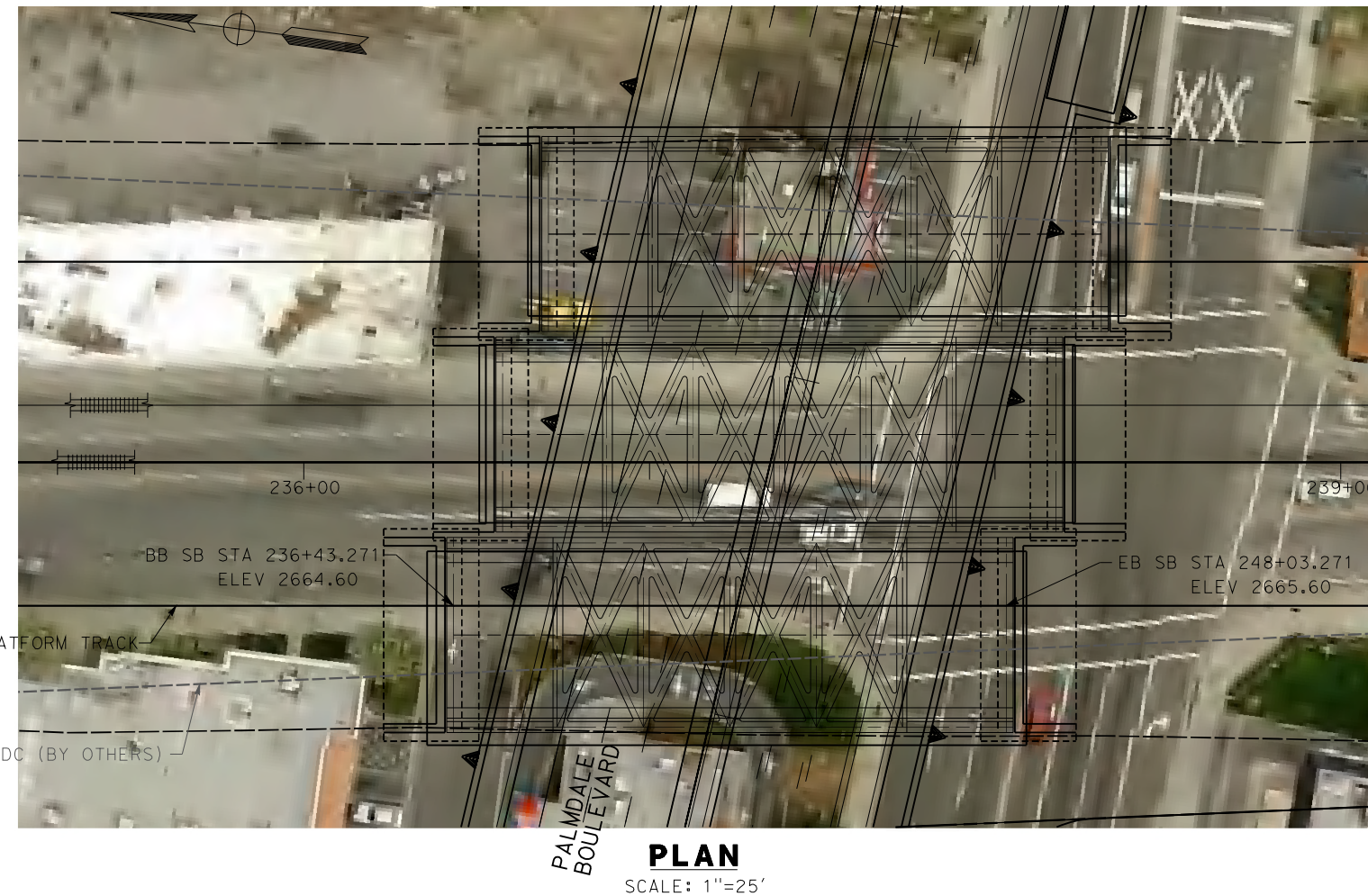
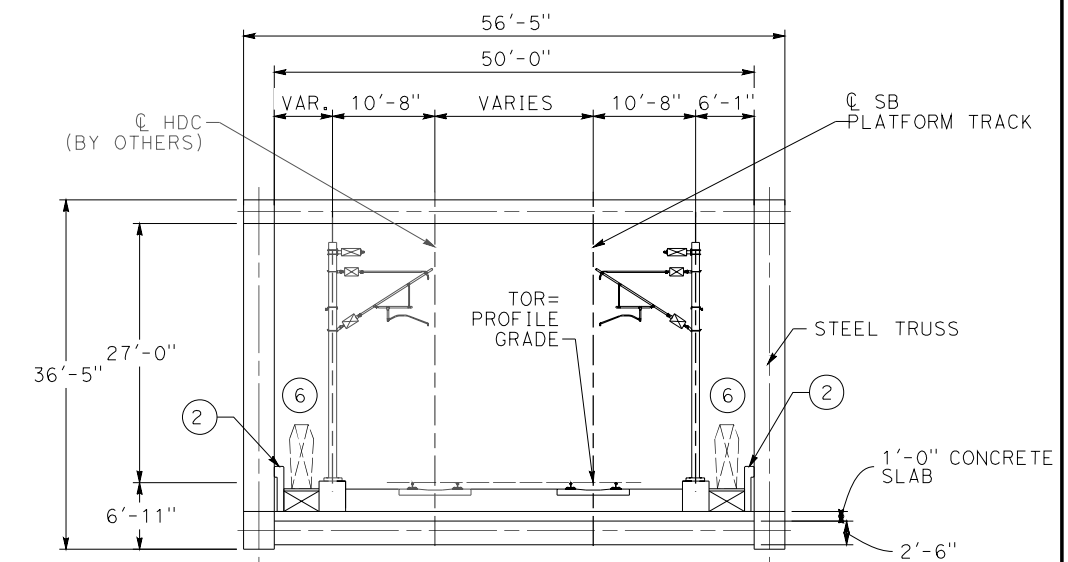
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
AVENUE Q UNDERPASS (NB PLATFORM TRACK)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1007-PLM
SCALE
AS SHOWN
SHEET NO.
151



NOTE:
 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.

- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



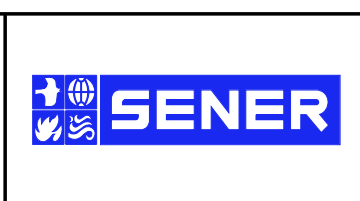
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23/02/2021 10:48:09

REV	DATE	BY	CHK	APP	DESCRIPTION

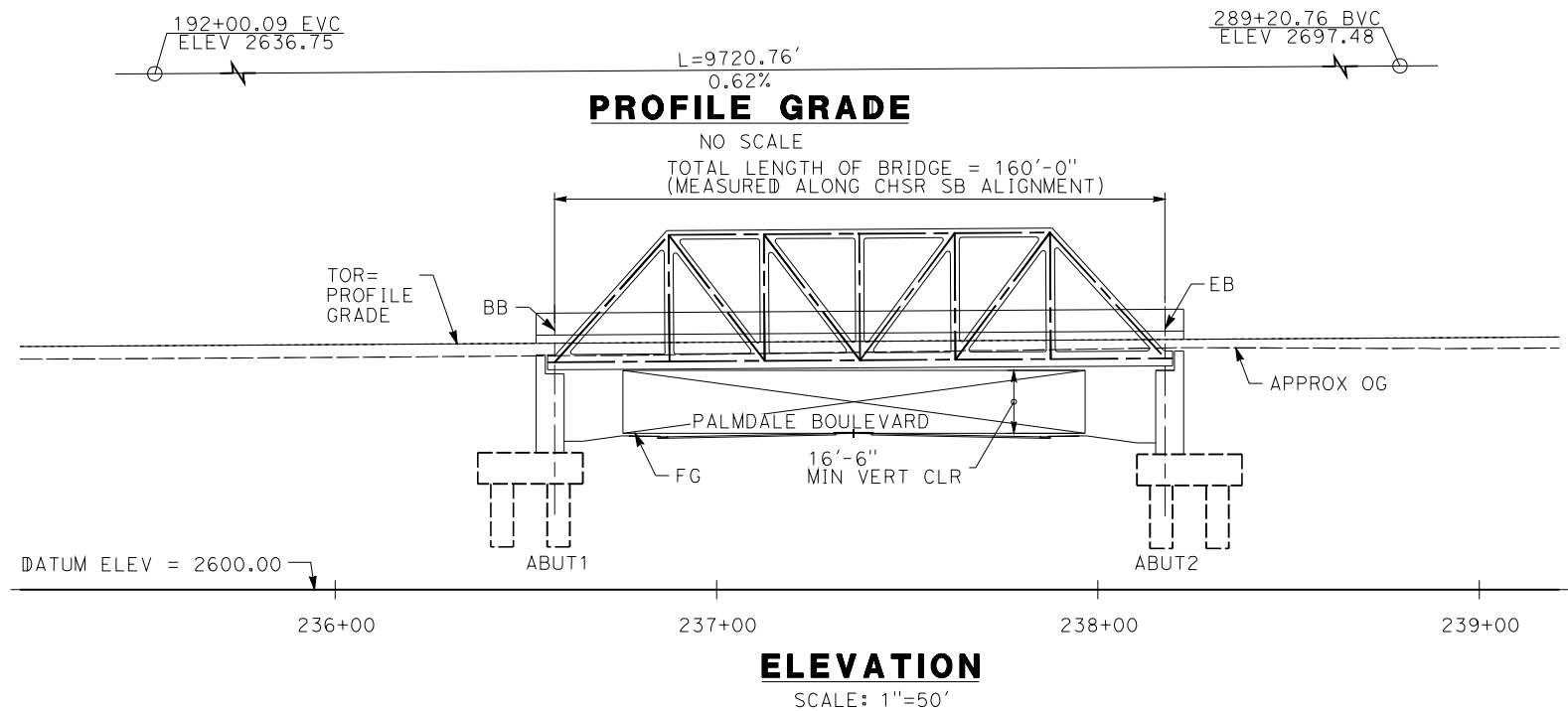
DESIGNED BY
A. MOLINA
 DRAWN BY
J. LOPEZ
 CHECKED BY
J. REVOLTOS
 IN CHARGE
A. RELANO
 DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



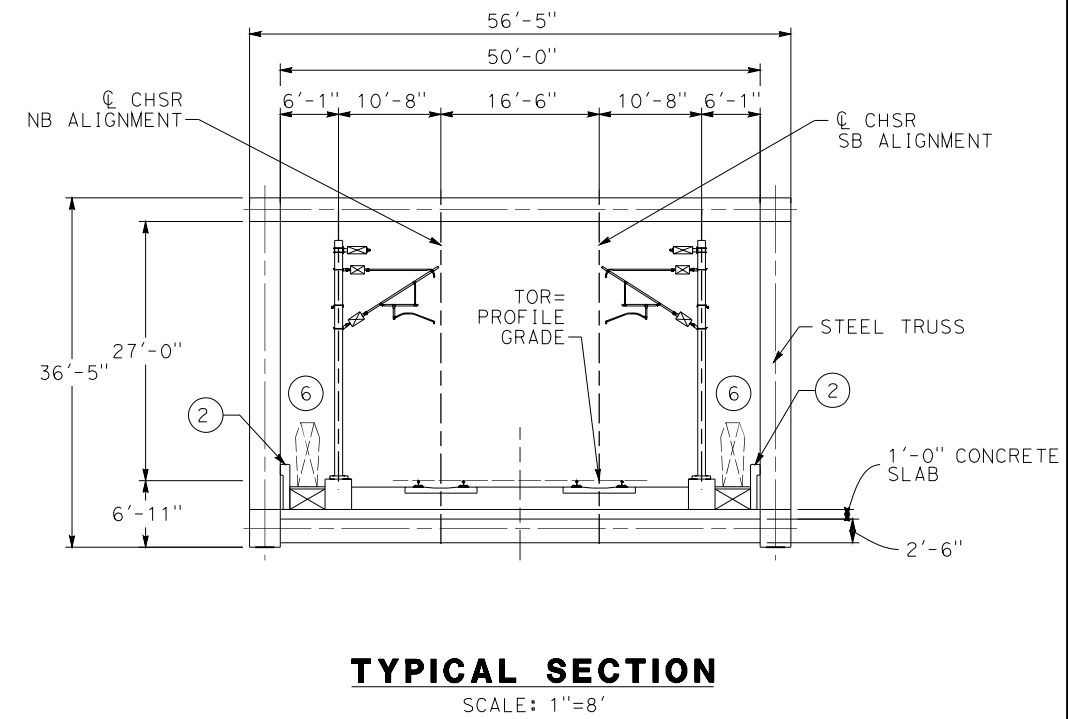
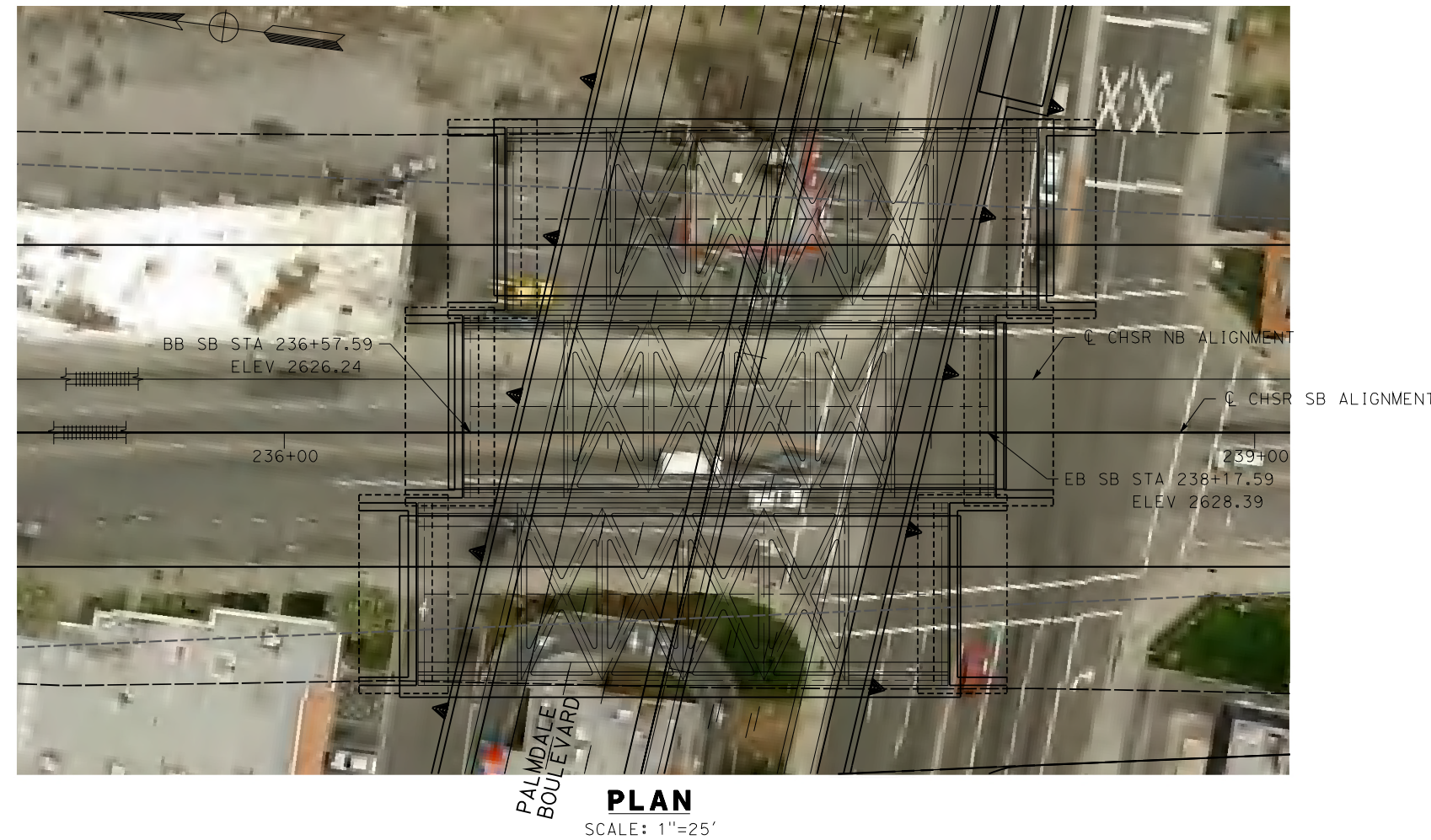
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 PALMDALE BOULEVARD UNDERPASS (SB PLATFORM TRACK)
 GENERAL PLAN

CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-J1008-PLM
 SCALE
AS SHOWN
 SHEET NO.
152



NOTE:
 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.

- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



c:\pwworking\chsr\dms14442\pb-st-j1009-plm.dgn

23/02/2021 10:48:40

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

PALMDALE BOULEVARD UNDERPASS (MAIN TRACK)

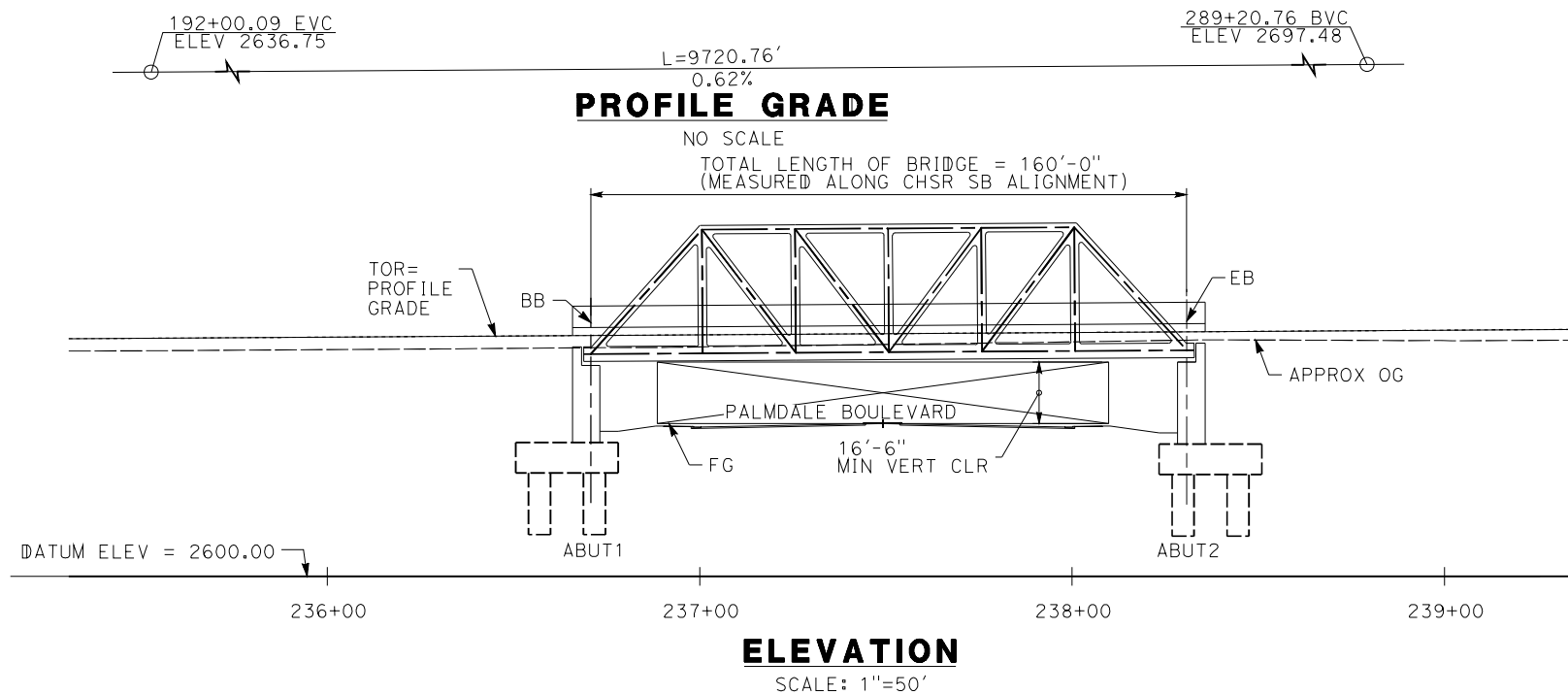
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1009-PLM

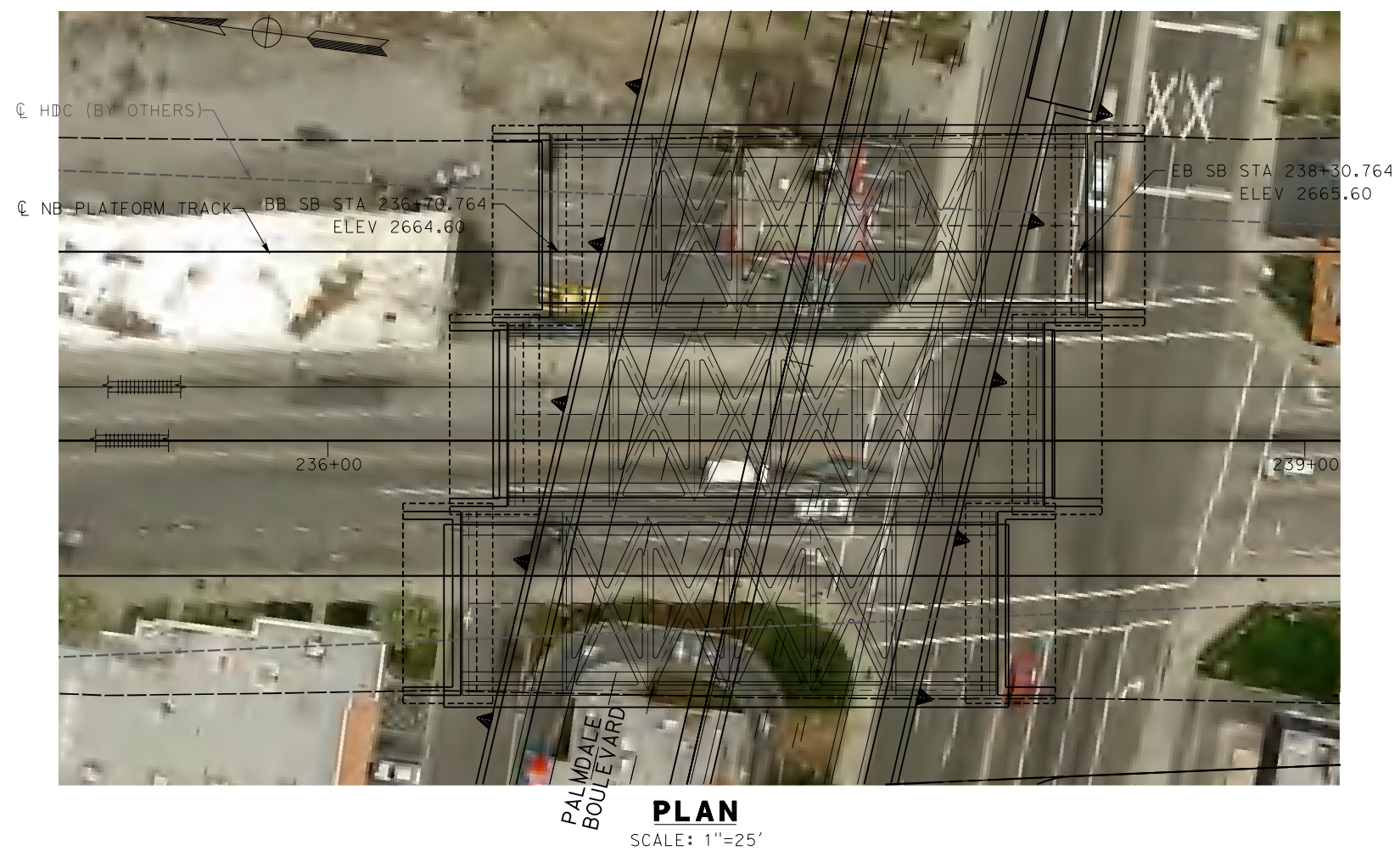
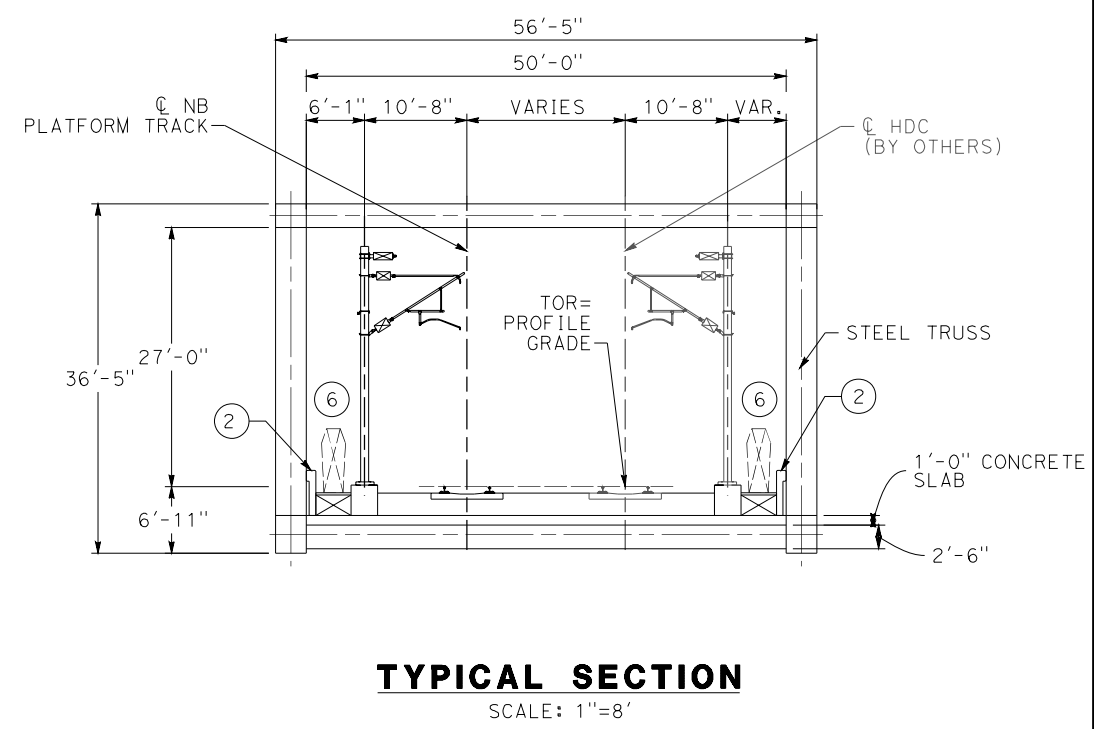
SCALE
AS SHOWN

SHEET NO.
153



NOTE:
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.

- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



c:\pwworking\chsr\dms14442\pb-st-j1010-plm.dgn

23/02/2021 10:49:09

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

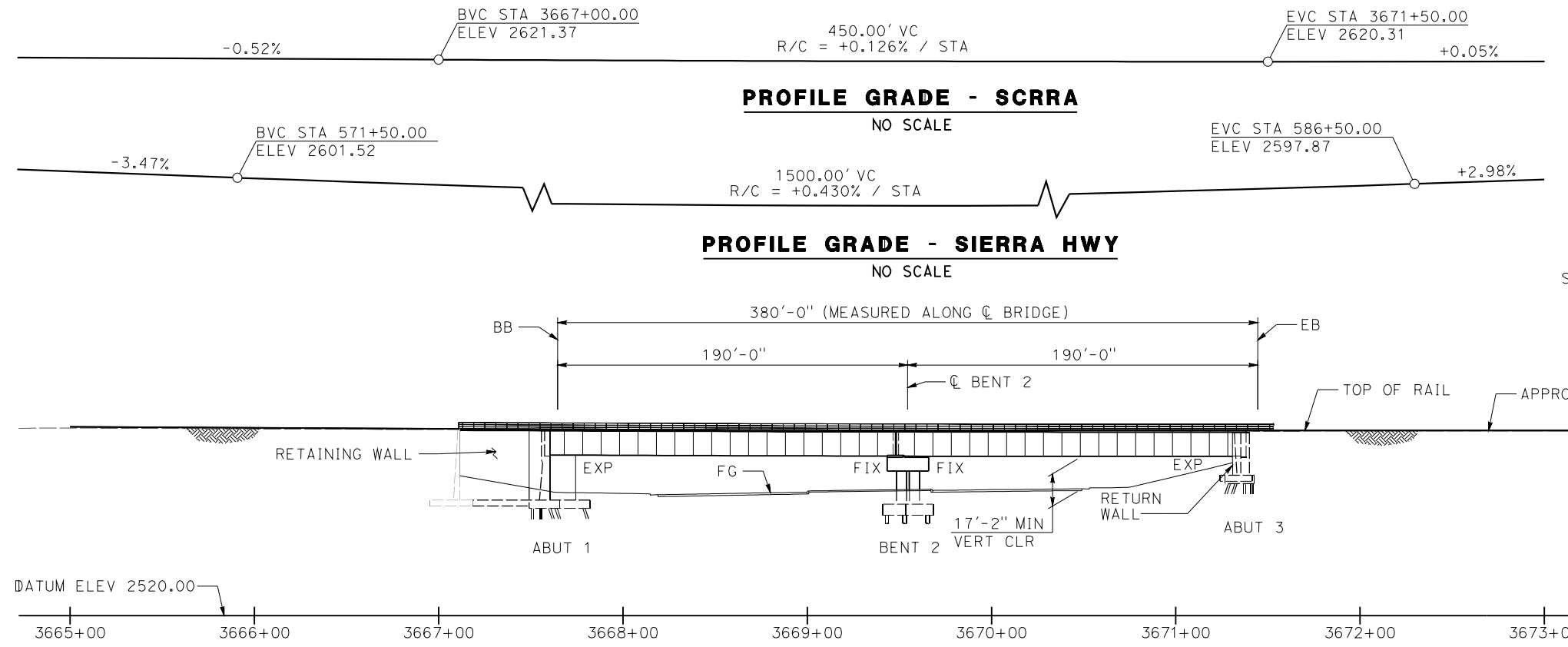
PALMDALE BOULEVARD UNDERPASS (NB PLATFORM TRACK)
GENERAL PLAN

CONTRACT NO.
HSR14-42

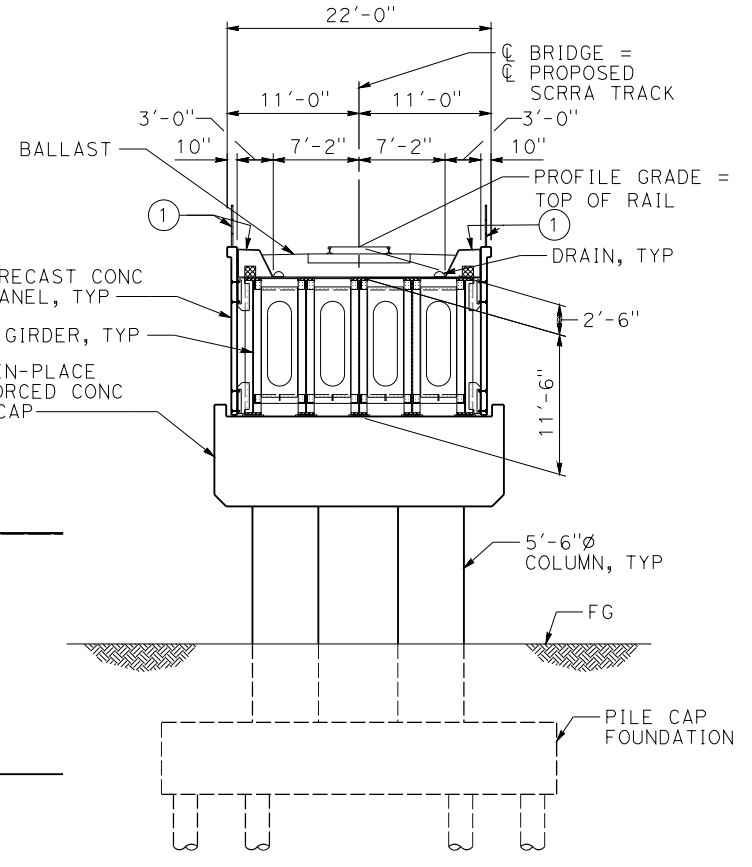
DRAWING NO.
ST-J1010-PLM

SCALE
AS SHOWN

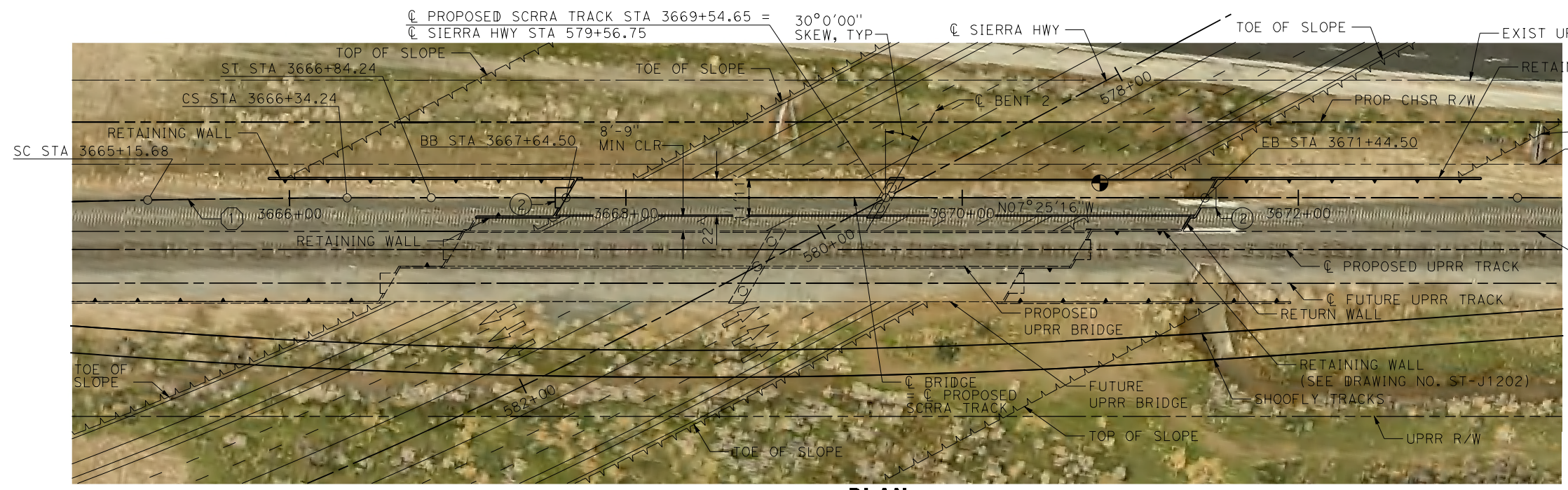
SHEET NO.
154



ELEVATION
SCALE: 1" = 40'



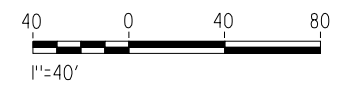
TYPICAL SECTION
1/8" = 1'-0"



PLAN
SCALE: 1" = 40'

- LEGEND:**
- ① WALKWAY WITH STEEL HAND RAILING
 - ② NORMALIZING SLAB
 - INDICATES NEW CONSTRUCTION
 - - - INDICATES FOUNDATION
 - · - · - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
 - ➔ INDICATES DIRECTION OF TRAFFIC
 - ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

CURVE DATA				
	R	Δ	T	L
①	7639.49'	0°53'21"	59.28'	118.56'



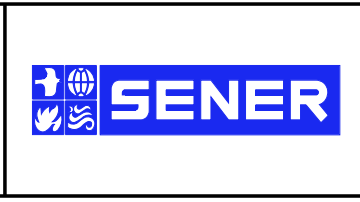
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22/02/2021 12:57:23

REV	DATE	BY	CHK	APP	DESCRIPTION

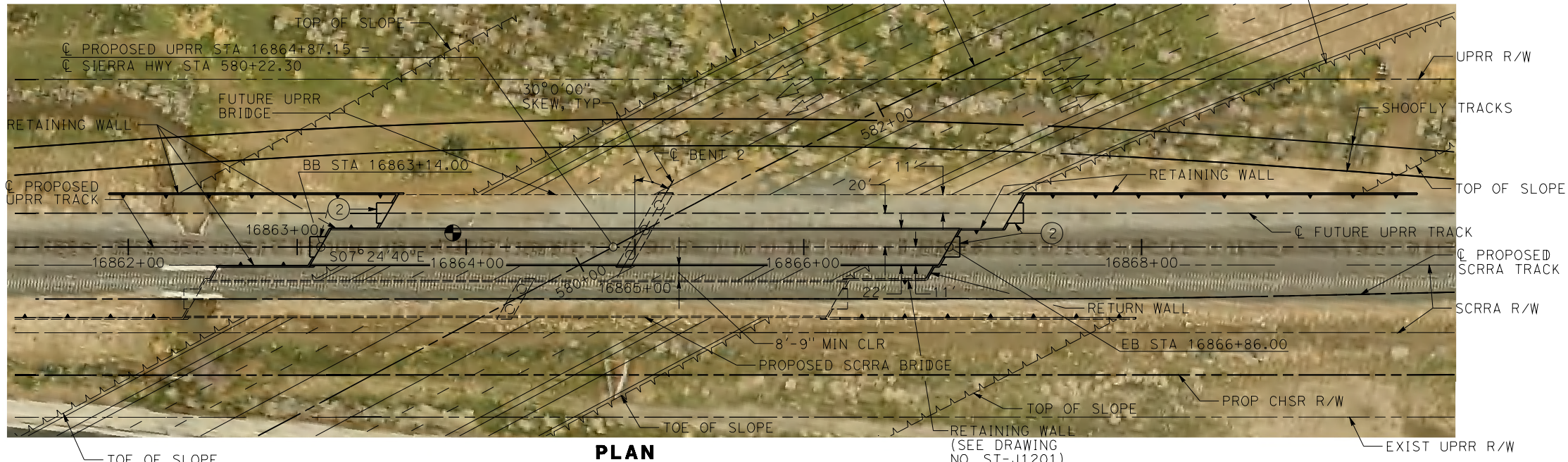
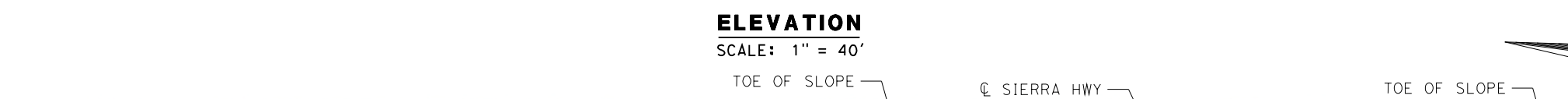
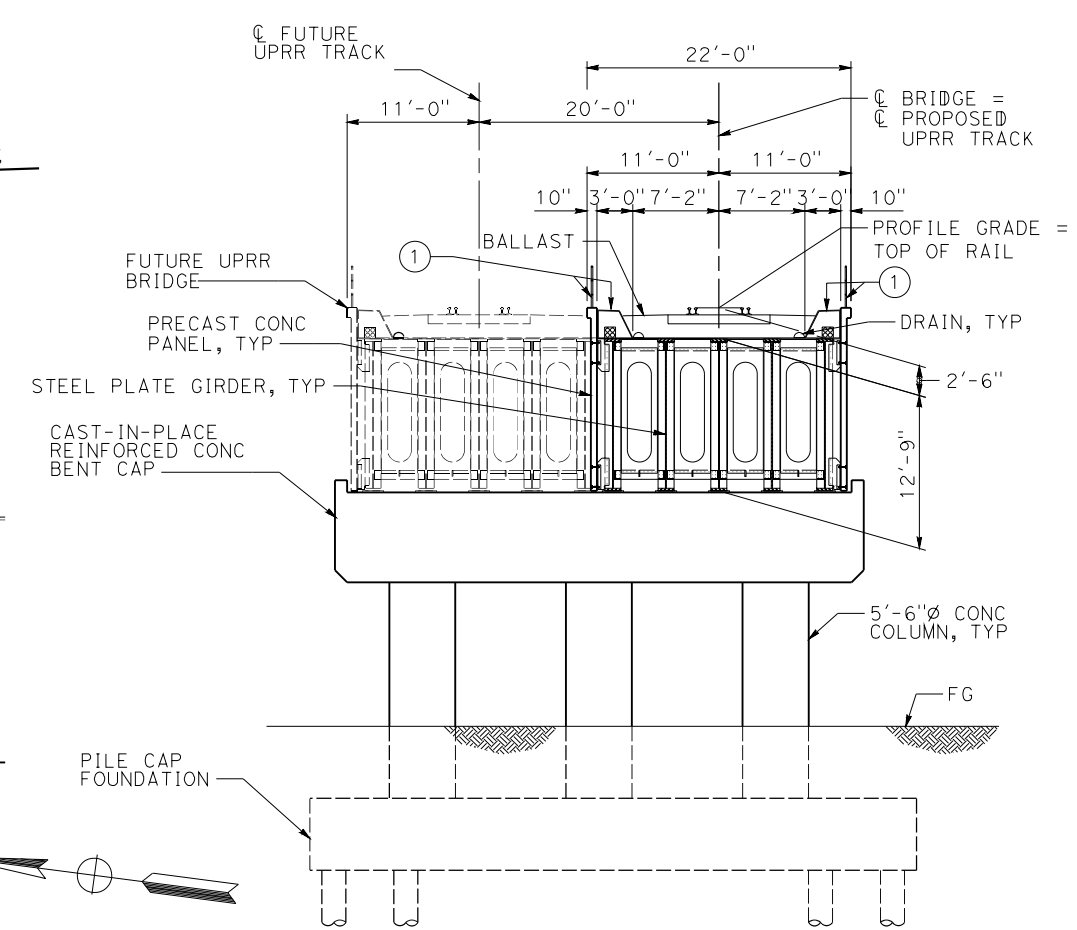
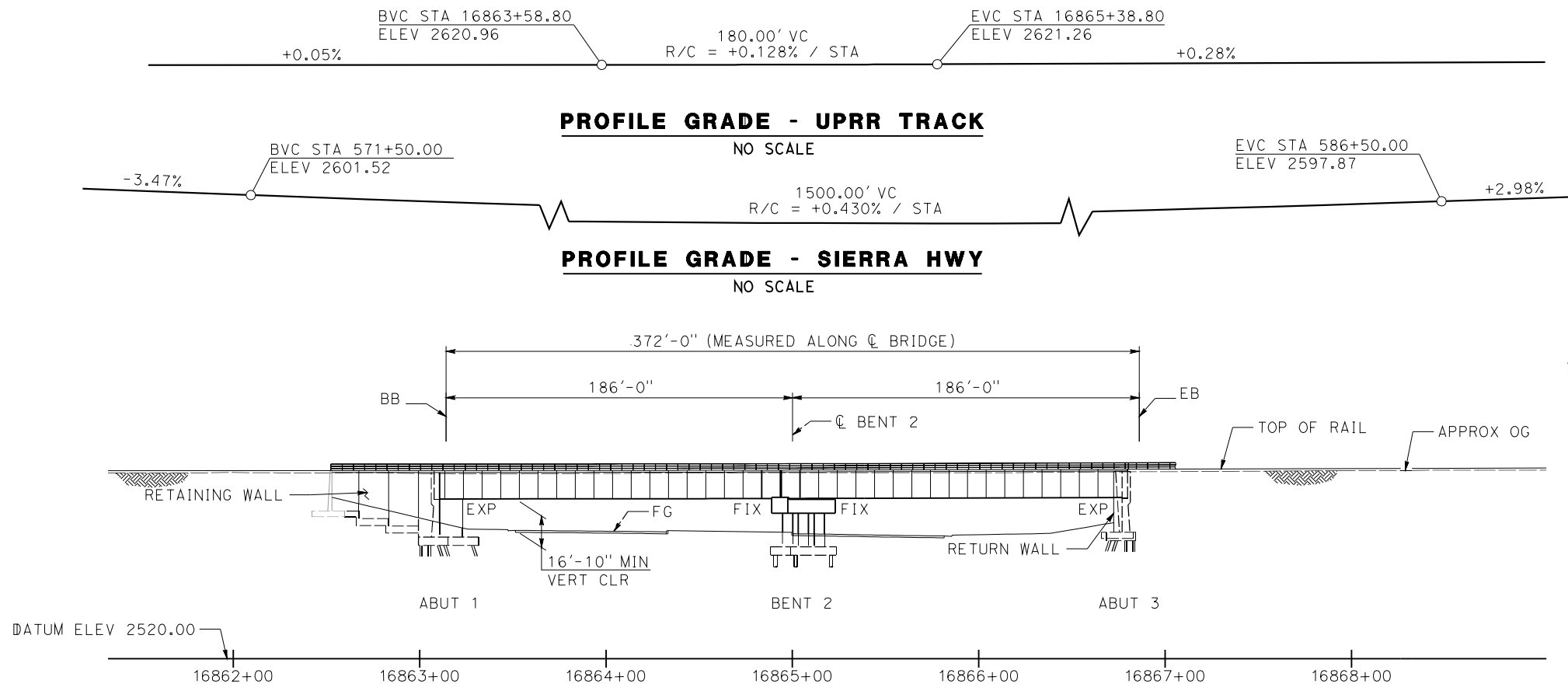
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELANO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
SIERRA HWY UNDERPASS (SCRR)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1201-PLM
SCALE
AS SHOWN
SHEET NO.
155



TYPICAL SECTION
1/8" = 1'-0"

LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ← INDICATES DIRECTION OF TRAFFIC
- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

22/02/2021 12:57:57 c:\pwworking\chsr\dms14442\pb-st-j1202-plm.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



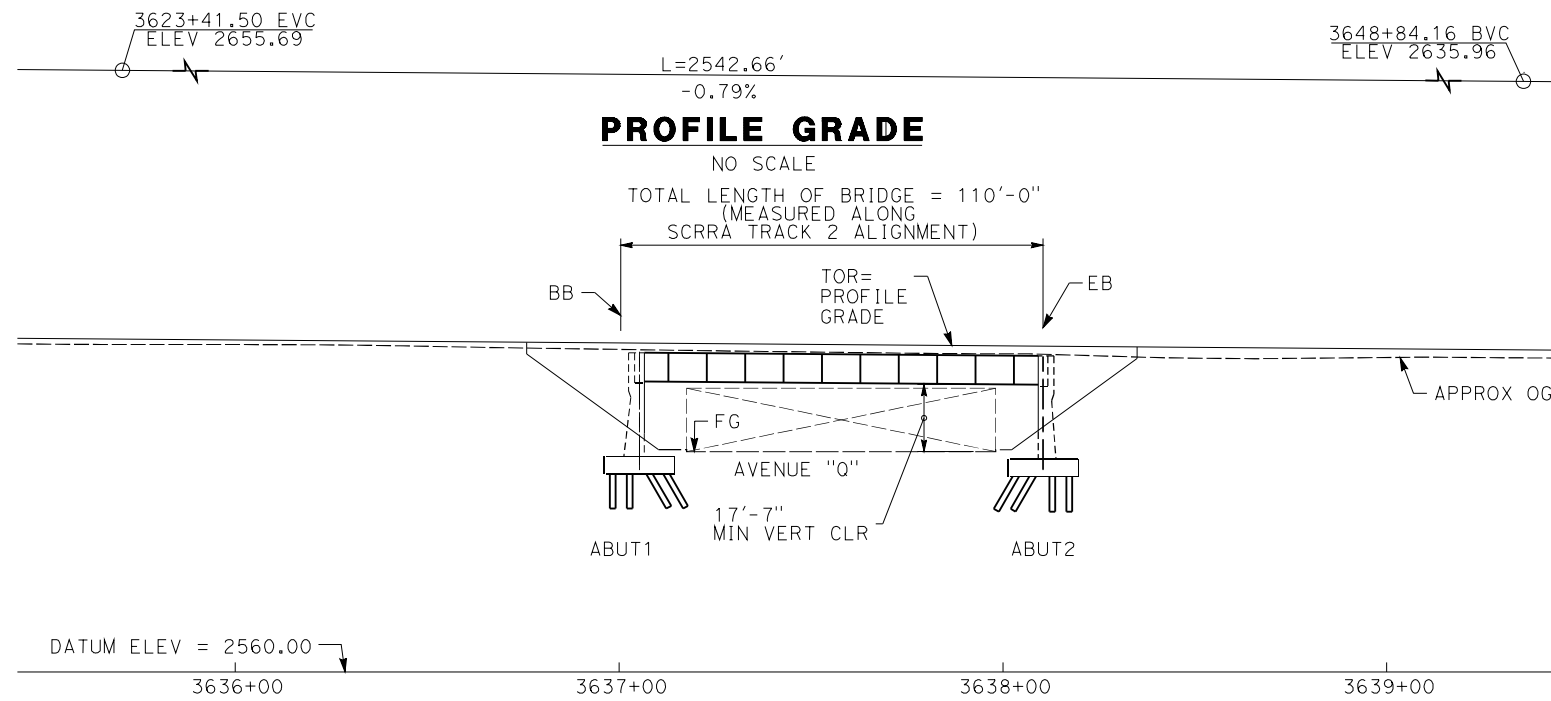
CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

SIERRA HWY UNDERPASS (UPRR)
GENERAL PLAN

CONTRACT NO. HSR14-42
DRAWING NO. ST-J1202-PLM
SCALE AS SHOWN
SHEET NO. 156



ELEVATION
SCALE: 1"=25'

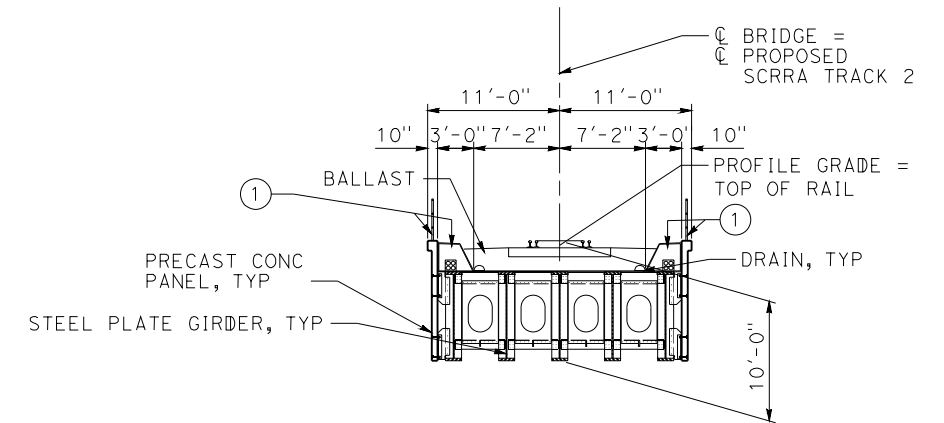


PLAN
SCALE: 1"=25'

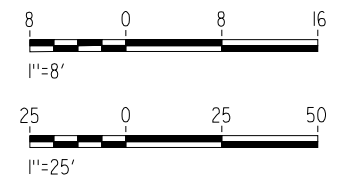
NOTE:
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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

LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- - - - - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION
SCALE: 1"=8'



c:\pwworking\chsr\dms14442\pb-st-j1203-plm.dgn

23/02/2021 10:49:47

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

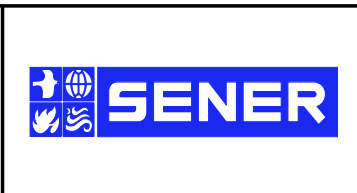
IN CHARGE
A. RELANO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

AVENUE Q UNDERPASS (SCRRRA TRACK 2)

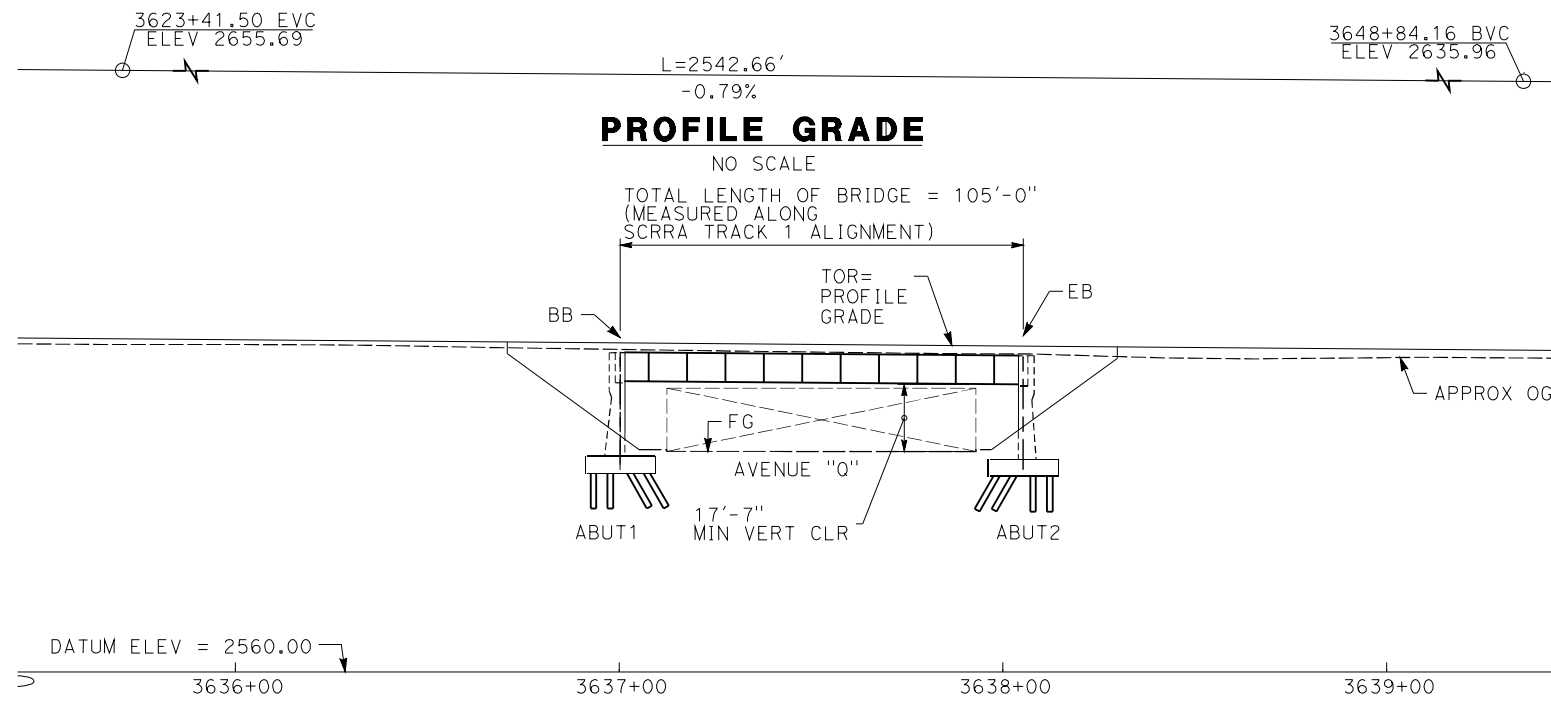
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1203-PLM

SCALE
AS SHOWN

SHEET NO.
157



ELEVATION
SCALE: 1"=25'

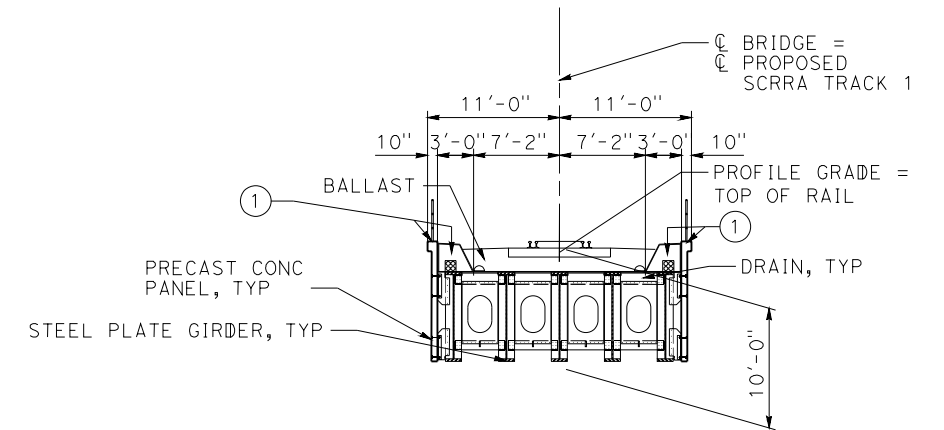


PLAN
SCALE: 1"=25'

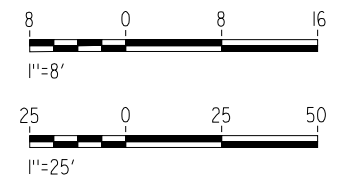
NOTE:
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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

LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- - - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION
SCALE: 1"=8'



c:\pwworking\chsr\dms14442\pb-st-j1204-plm.dgn

22/02/2021 12:59:55

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE SUBSECTION

PEPD RECORD SET REV 02

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION

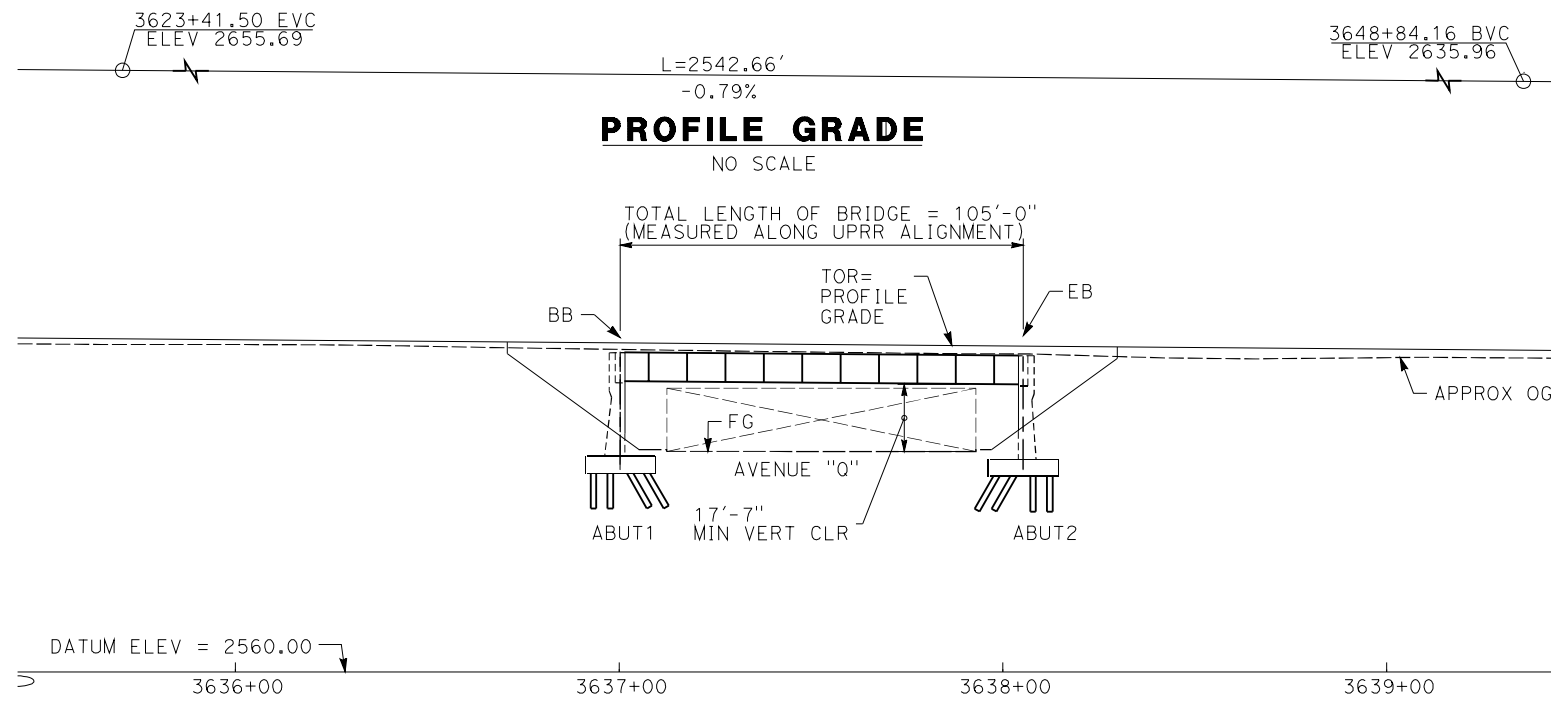
AVENUE O UNDERPASS (SCRRRA TRACK 1)
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1204-PLM

SCALE
AS SHOWN

SHEET NO.
158



PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 105'-0"
(MEASURED ALONG UPRR ALIGNMENT)

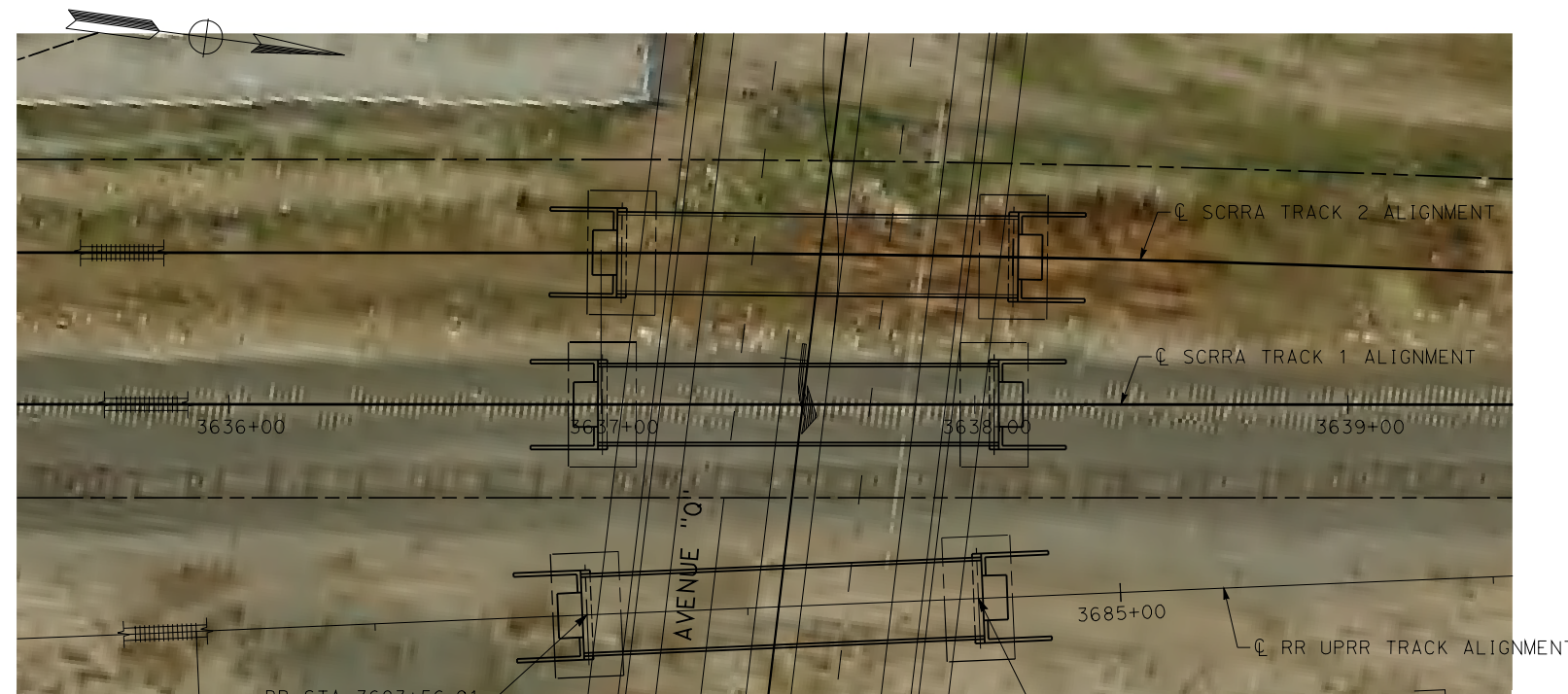
TOR = PROFILE GRADE

AVENUE "Q"

17'-7" MIN VERT CLR

ELEVATION

SCALE: 1"=25'



PLAN

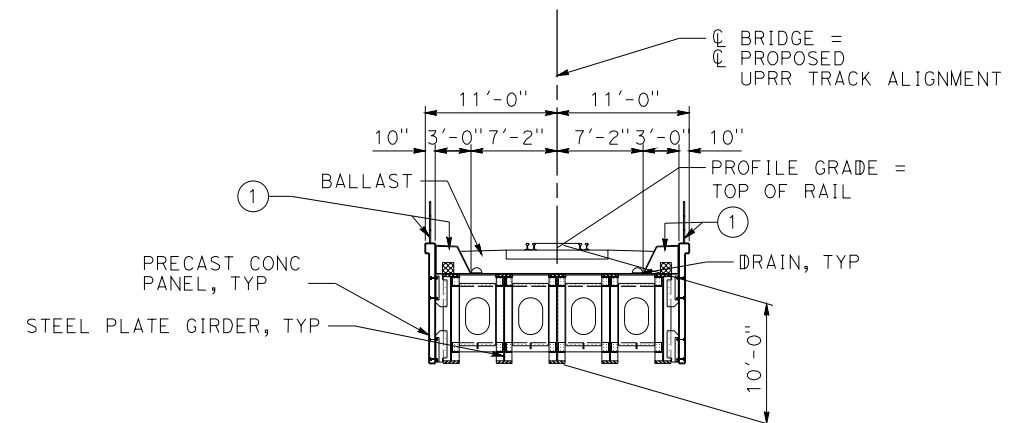
SCALE: 1"=25'

NOTE:

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.

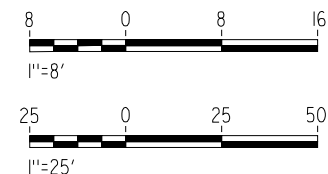
LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- - - - - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION

SCALE: 1"=8'



c:\pwworking\chsr\dms14442\pb-st-j1205-plm.dgn

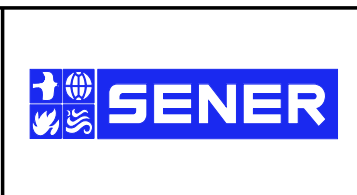
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0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

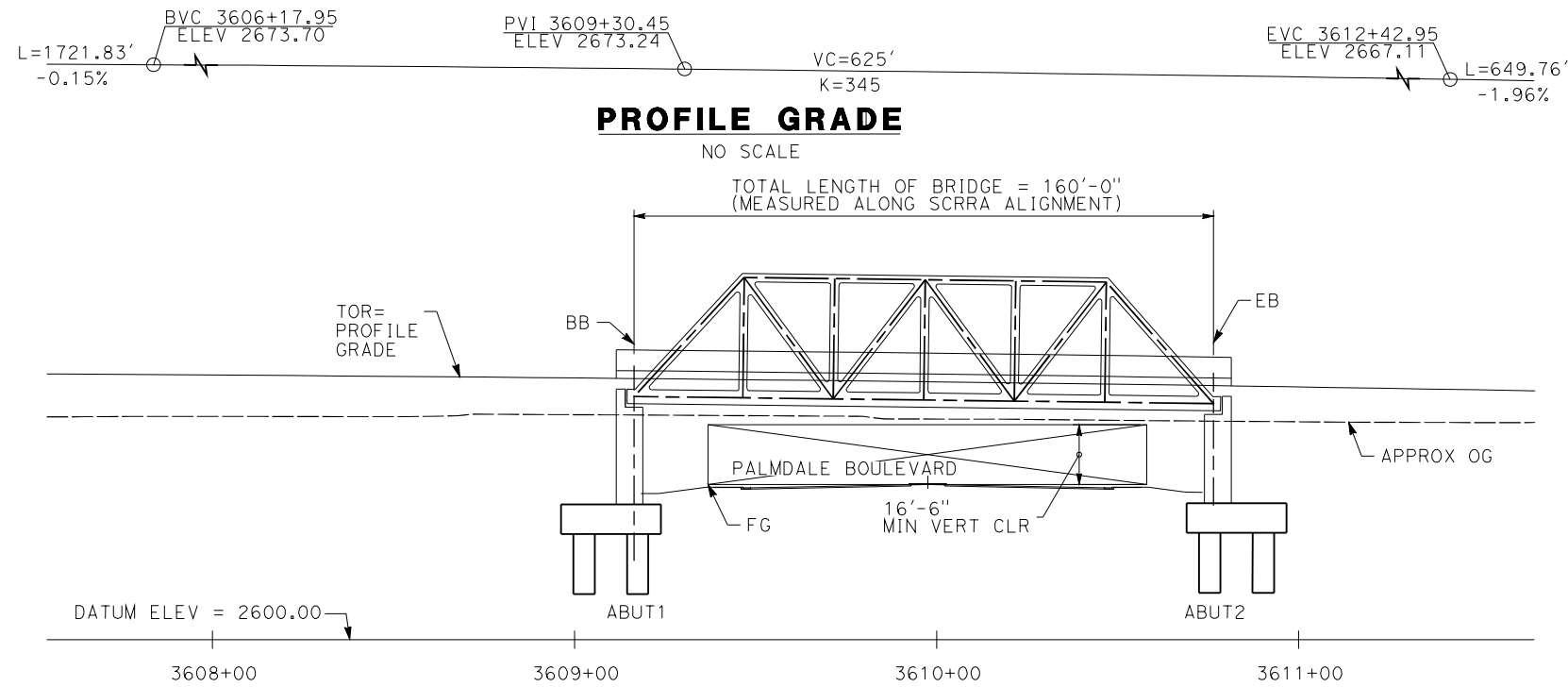
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELAÑO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
AVENUE Q UNDERPASS (UPRR)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1205-PLM
SCALE
AS SHOWN
SHEET NO.
159



PROFILE GRADE

NO SCALE
TOTAL LENGTH OF BRIDGE = 160'-0"
(MEASURED ALONG SCRRRA ALIGNMENT)

ELEVATION

SCALE: 1"=25'



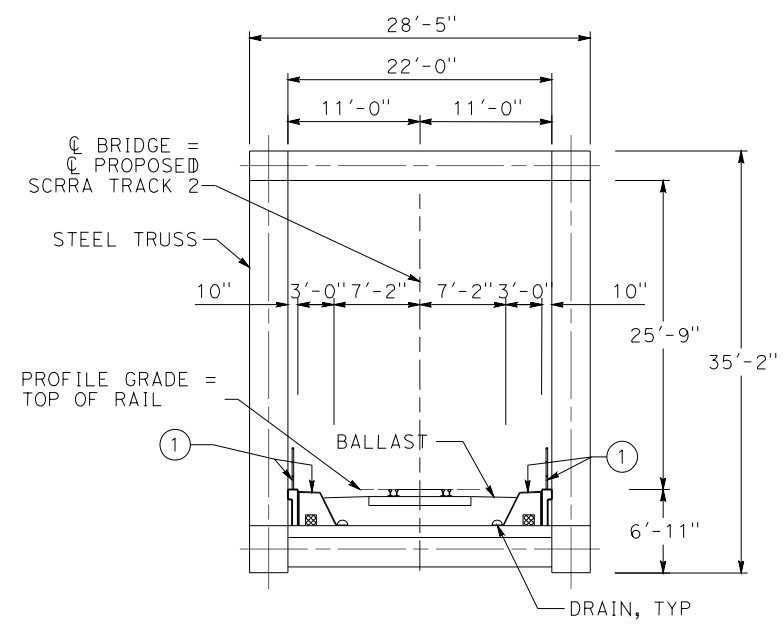
PLAN

SCALE: 1"=25'

NOTE:
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.

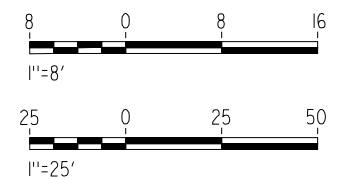
LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- - - - - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION

SCALE: 1"=8'



c:\pwworking\chsr\dms14442\pb-st-j1206-plm.dgn

23/02/2021 10:50:43

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

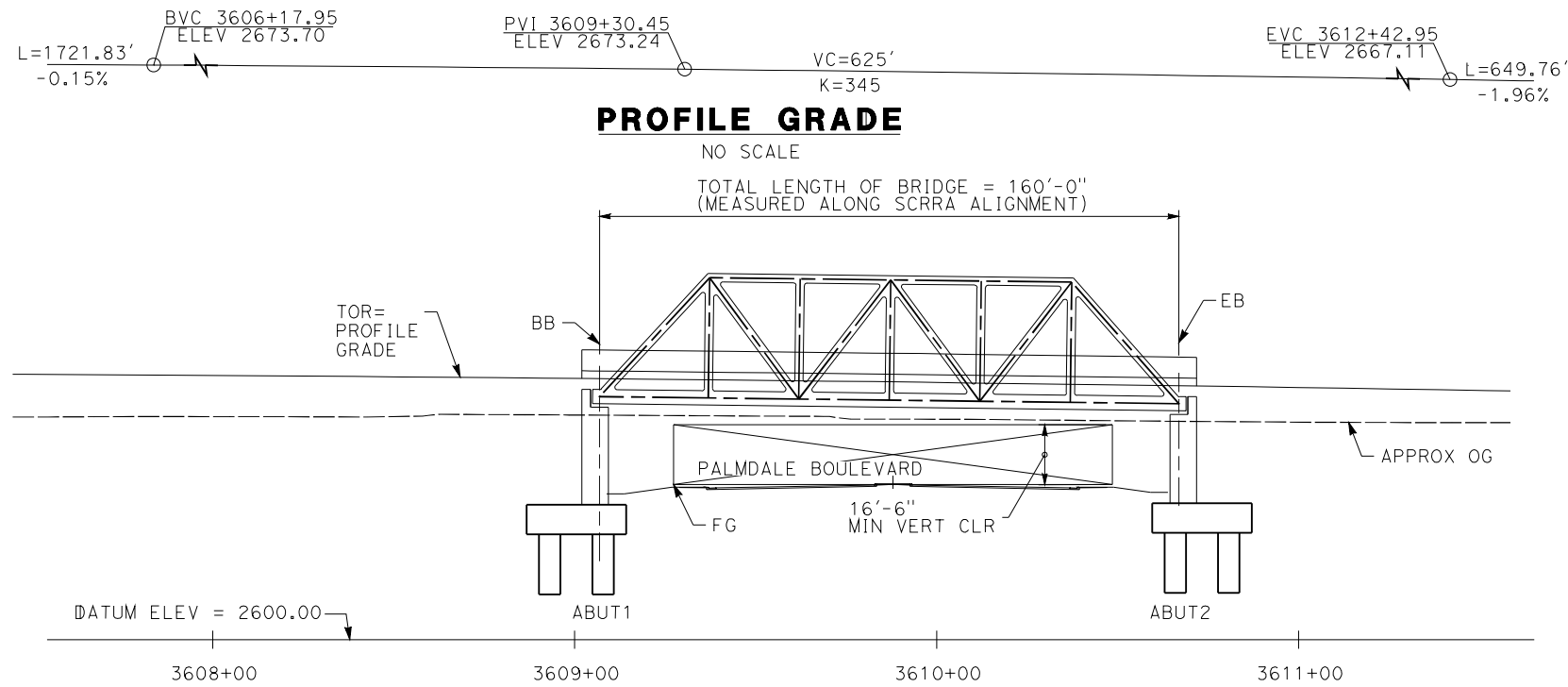
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELAÑO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
PALMDALE BOULEVARD UNDERPASS (SCRRRA TRACK 2)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1206-PLM
SCALE
AS SHOWN
SHEET NO.
160

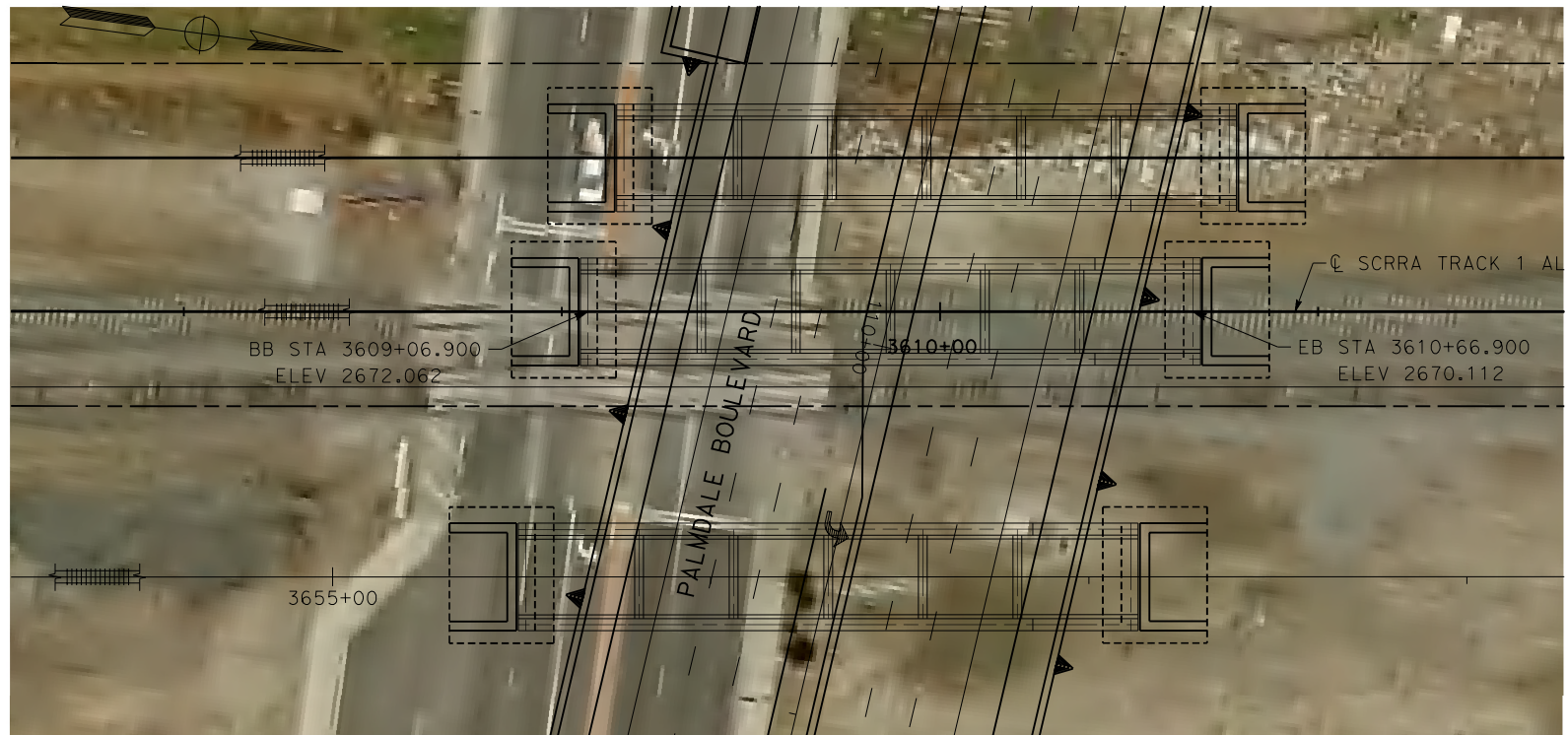


PROFILE GRADE

NO SCALE
TOTAL LENGTH OF BRIDGE = 160'-0"
(MEASURED ALONG SCRRRA ALIGNMENT)

ELEVATION

SCALE: 1"=25'



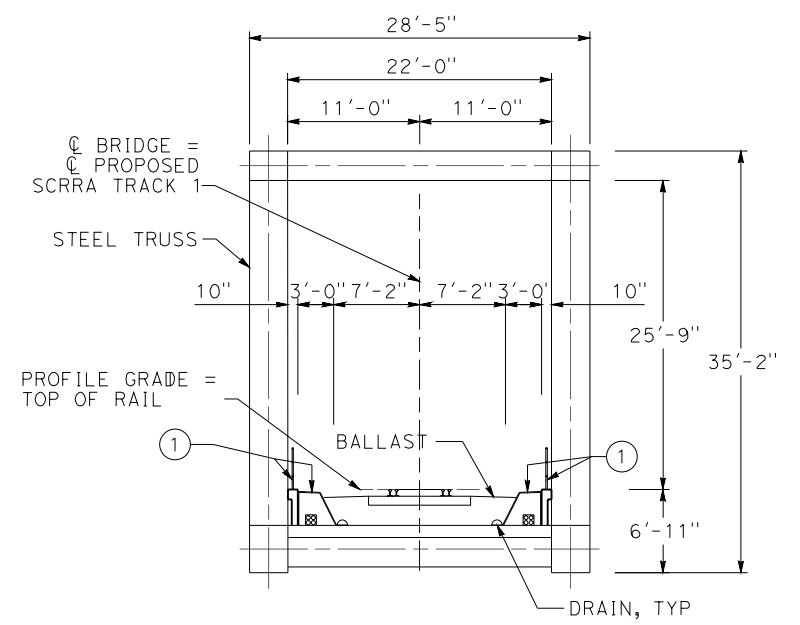
PLAN

SCALE: 1"=25'

NOTE:
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.

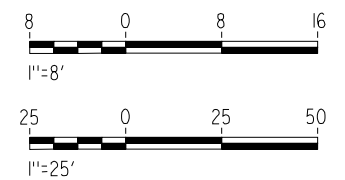
LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- · - · - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION

SCALE: 1"=8'



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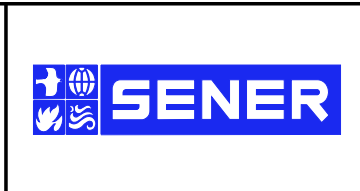
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0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

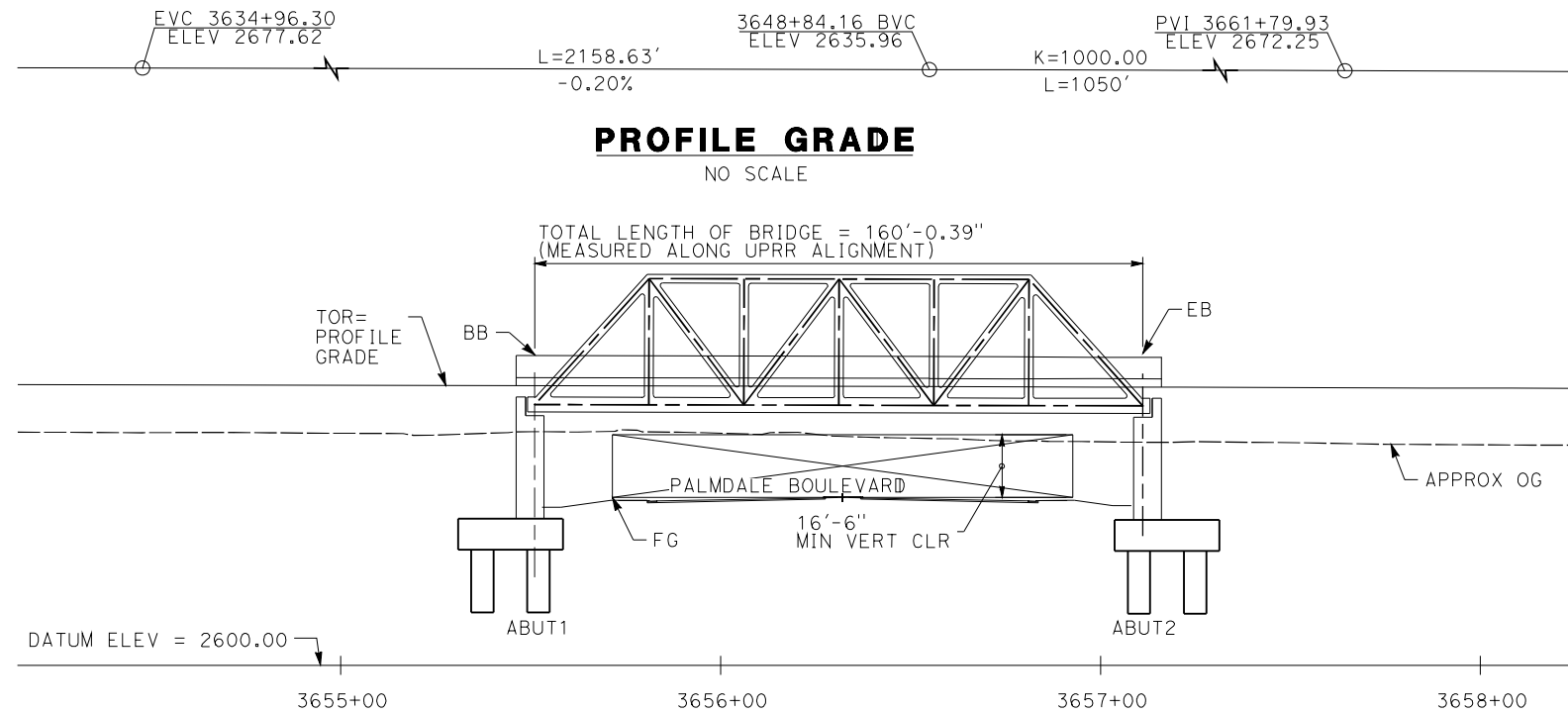
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELAÑO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
PALMDALE BOULEVARD UNDERPASS (SCRRRA TRACK 1)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1207-PLM
SCALE
AS SHOWN
SHEET NO.
161



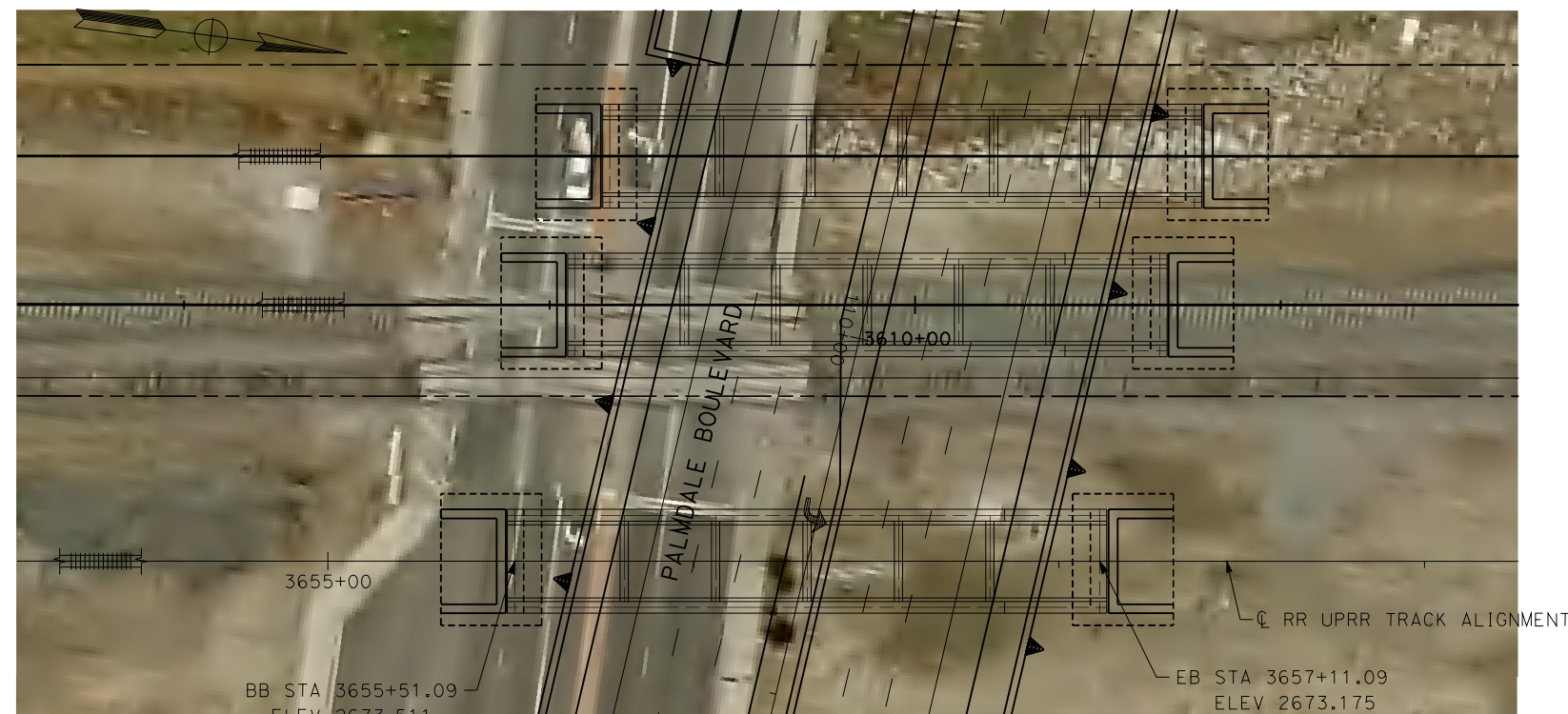
PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 160'-0.39"
(MEASURED ALONG UPRR ALIGNMENT)

ELEVATION

SCALE: 1"=25'



PLAN

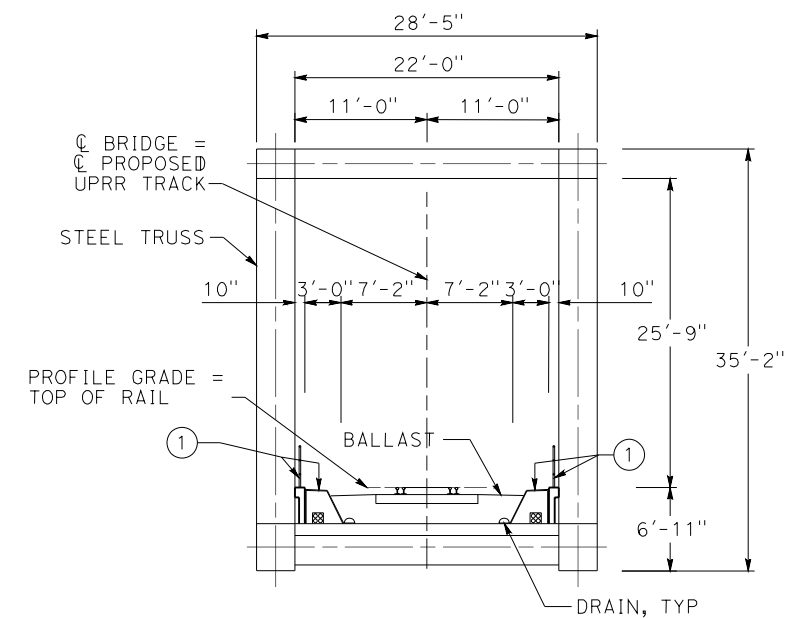
SCALE: 1"=25'

NOTE:

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.

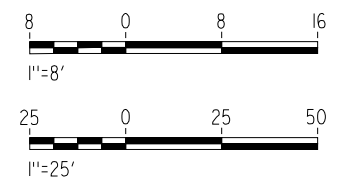
LEGEND:

- ① WALKWAY WITH STEEL HAND RAILING
- ② NORMALIZING SLAB
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION
- - - - - INDICATES ADJACENT PROPOSED/FUTURE STRUCTURES
- ➔ INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



TYPICAL SECTION

SCALE: 1"=8'



c:\pwworking\chsr\dms14442\pb-st-j1208-plm.dgn

23/02/2021 10:51:39

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

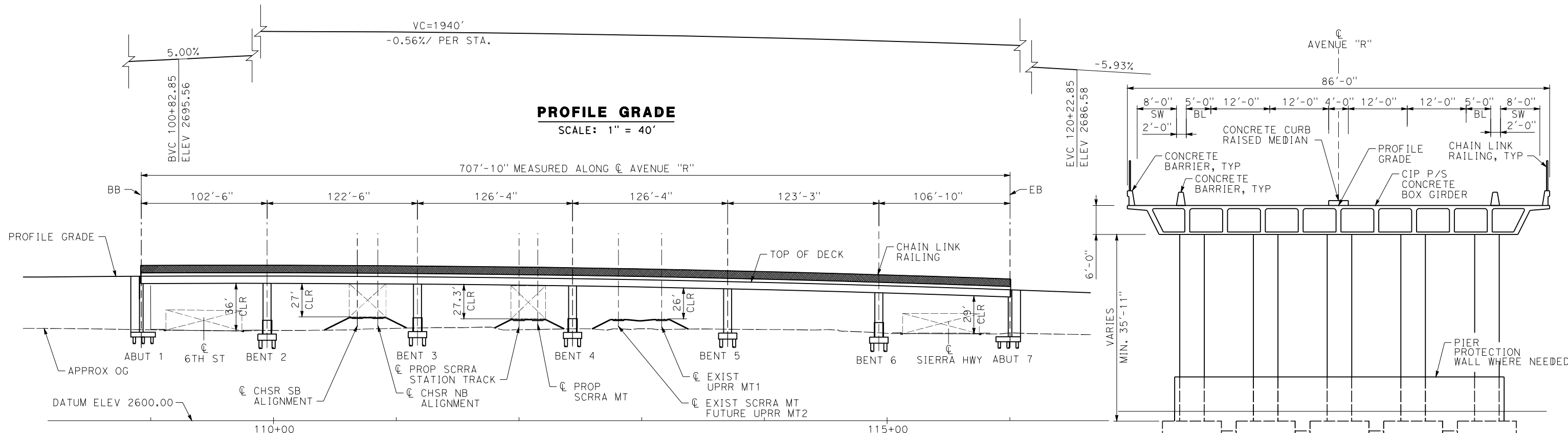
DESIGNED BY
A. MOLINA
DRAWN BY
J. LOPEZ
CHECKED BY
J. REVOLTOS
IN CHARGE
A. RELAÑO
DATE
03/01/2021

PALMDALE SUBSECTION
PEPD RECORD SET REV 02
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
PALMDALE BOULEVARD UNDERPASS (UPRR)
GENERAL PLAN

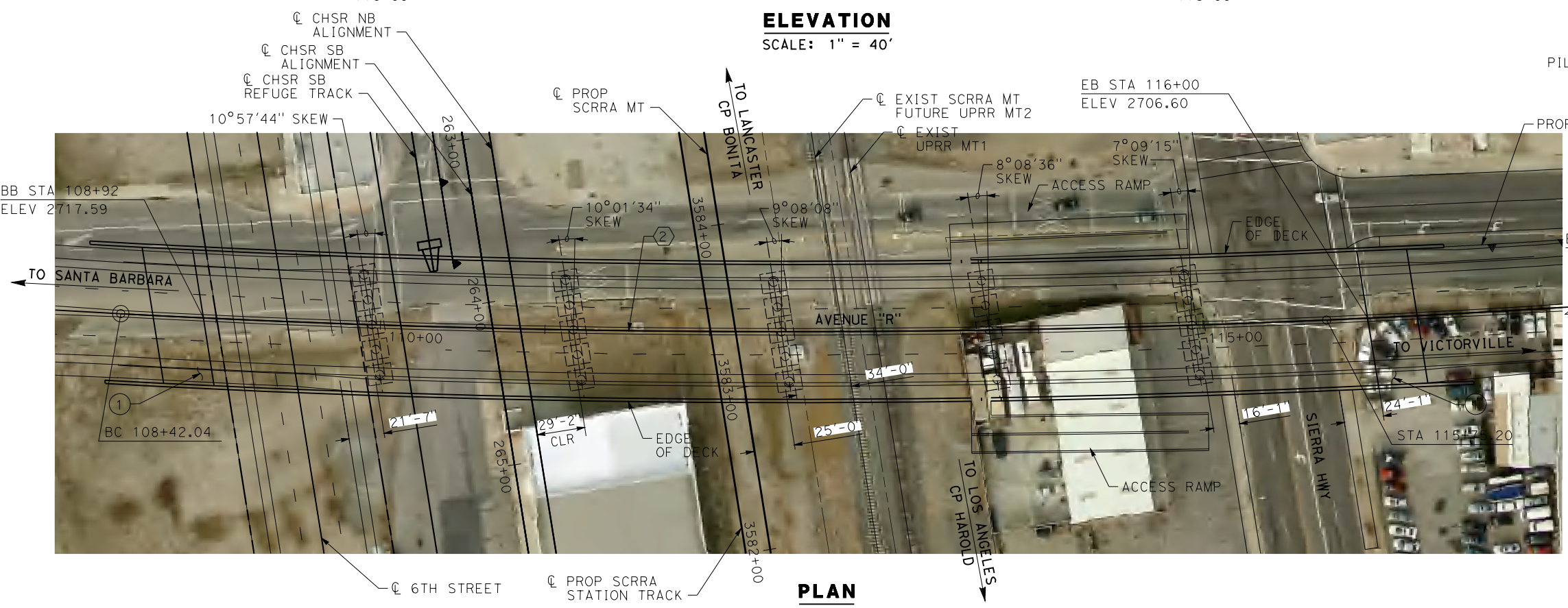
CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1208-PLM
SCALE
AS SHOWN
SHEET NO.
162



PROFILE GRADE
SCALE: 1" = 40'

TYPICAL SECTION
SCALE: 1" = 10'

ELEVATION
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'

LEGEND:

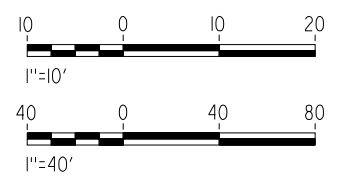
- INDICATES BRIDGE REMOVAL PORTION
- STRUCTURE APPROACH SLAB TYPE N(30S)
- INDICATES NEW CONSTRUCTION
- INDICATES FOUNDATION OR HIDDEN LINES
- MINIMUM VERTICAL CLEARANCE
- INDICATES DIRECTION OF TRAFFIC

NOTES:

SEE GENERAL NOTES PLAN

CURVE DATA:

② R= 4500.00'
Δ= 9°20'18"
T= 612.56'
L= 1222.40'



c:\pwworking\chsr\dms14442\pb-st-j1401-plm.dgn

22/02/2021 13:03:09

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LOPEZ

CHECKED BY
J. REVOLTOS

IN CHARGE
A. RELAÑO

DATE
03/01/2021

PALMDALE
SUBSECTION

PEPD RECORD SET
REV 02

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION

AVENUE R OVERHEAD
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1401-PLM

SCALE
AS SHOWN

SHEET NO.
163