

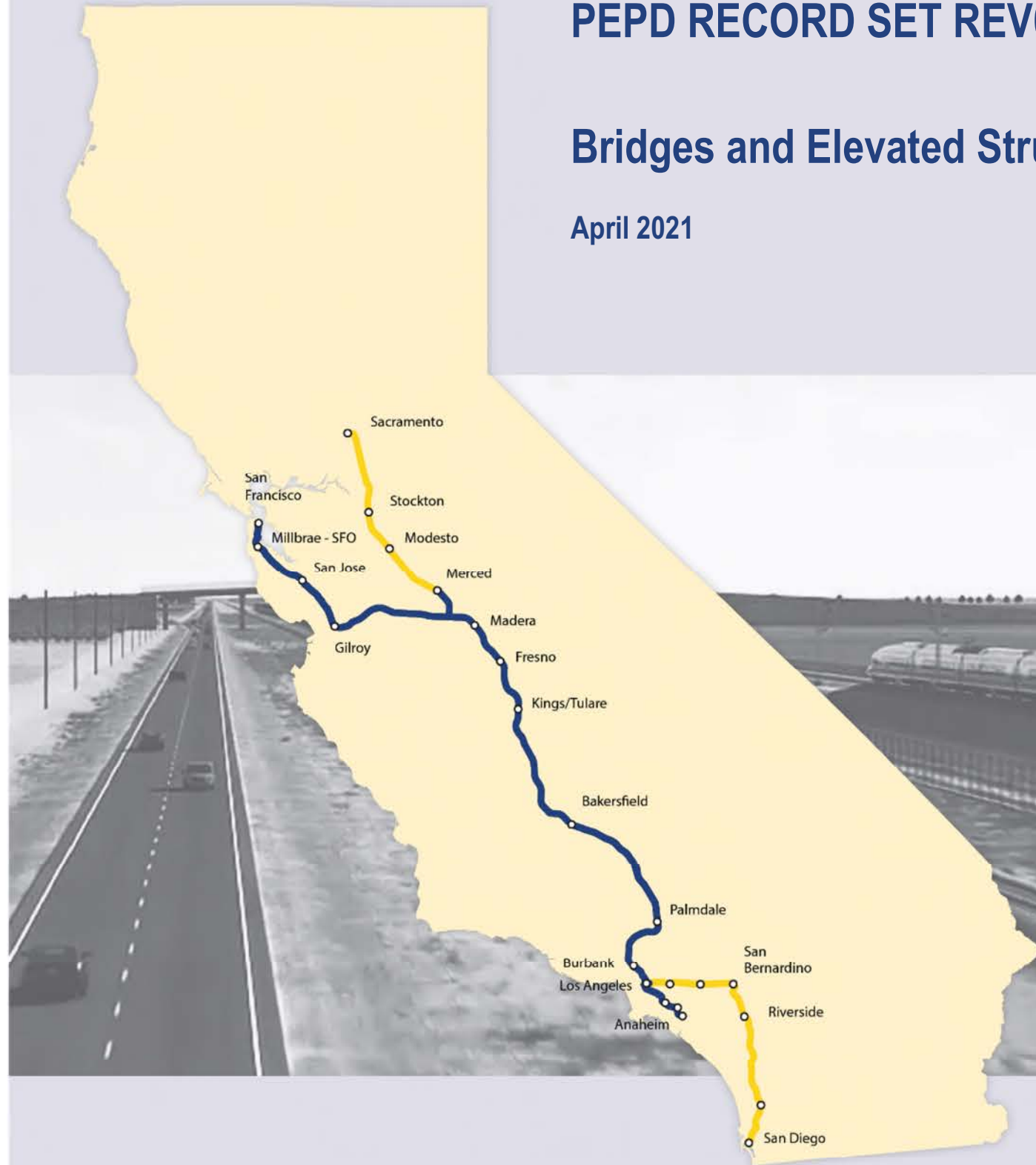
California High-Speed Rail Authority

# Palmdale to Burbank Project Section

PEPD RECORD SET REV02

Bridges and Elevated Structures Plans

April 2021



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



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**A**

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

**B**

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

**C**

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

**C CONTINUED**

CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY  
 CHST CALIFORNIA HIGH SPEED TRAIN  
 CHSR CALIFORNIA HIGH SPEED RAIL  
 CG CENTER OF GRAVITY  
 CHNL CHANNEL  
 CI CAST IRON  
 CIDH CAST-IN-DRILLED-HOLE  
 CIP,C-1-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  
 HFZ HAZARDOUS FAULT ZONE  
 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

**M CONTINUED**

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

**N**

N NORTH, NORTHING  
 NB NORTHBOUND  
 NHFZ NON HAZARDOUS FAULT ZONE  
 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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
 DRAWN BY  
**J.LOPEZ**  
 CHECKED BY  
**J.REVOLTOS**  
 IN CHARGE  
**A.RELANO**  
 DATE  
**04/30/2021**

PEPD RECORD SET  
REV 02  
  
NOT FOR CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
  
 GENERAL  
 BRIDGES AND ELEVATED STRUCTURES  
 ABBREVIATIONS AND LEGEND 1 OF 2

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



**P CONTINUED**

PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
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
RPCA	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
SAFZ	SAN ANDREAS FAULT ZONE
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

**S CONTINUED**

SIM	SIMILAR
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
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
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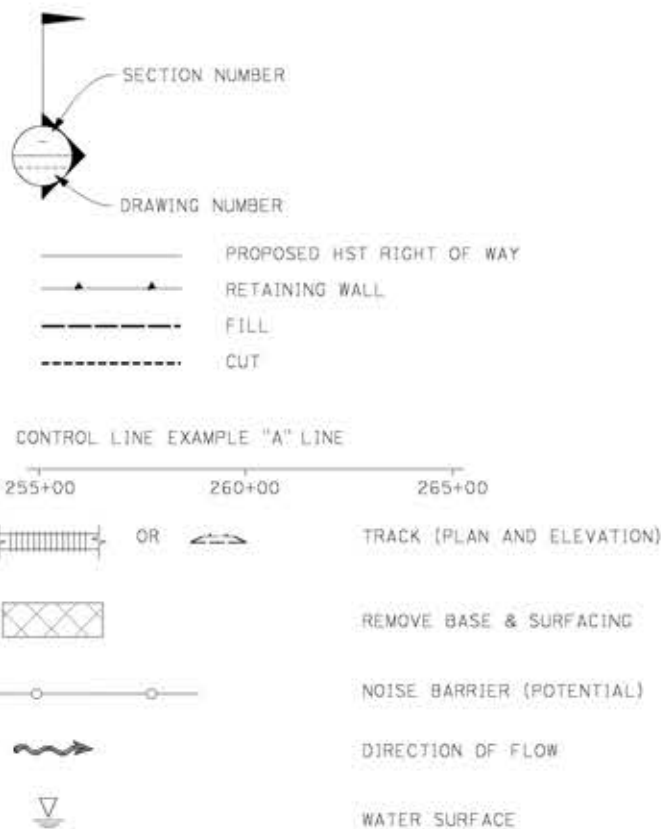
**V**

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
WWL	WINGWALL LAYOUT LINE
W/	WITH

**LEGEND**



**X**

X SEC XING CROSS SECTION CROSSING

**Y**

YR YEAR YRS YEARS

**GENERAL NOTES**

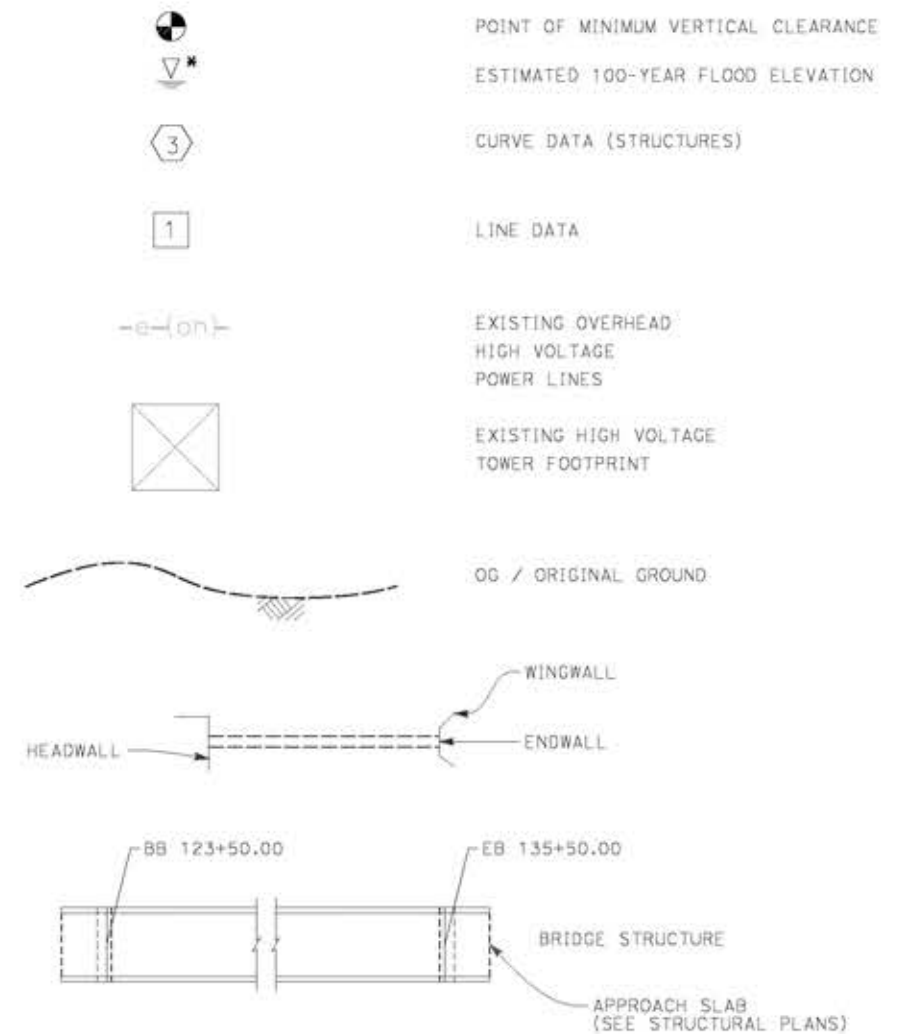
STATIONS SHOWN IN PLANS ARE REFERRED TO SOUTH BOUND PROFILE

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.

STA 296+82.67 (SPRUCE CT) IS THE NORTHERN LIMIT OF THE PALMDALE-BURBANK ENVIRONMENTAL DOCUMENT. NORTH OF THIS POINT REFERS TO BAKERSFIELD-PALMDALE ENVIRONMENTAL DOCUMENT. DESIGN FEATURES BETWEEN STA 265+00.00 AND STA 296+82.67 (SPRUCE CT) SHOWN FOR REFERENCE ONLY.

**DRAWING CODES:**

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



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>A.MOLINA</b>
DRAWN BY <b>J.LOPEZ</b>
CHECKED BY <b>J.REVOLTOS</b>
IN CHARGE <b>A.RELANO</b>
DATE <b>04/30/2021</b>

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



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

GENERAL  
BRIDGES AND ELEVATED STRUCTURES  
ABBREVIATIONS AND LEGEND 2 OF 2

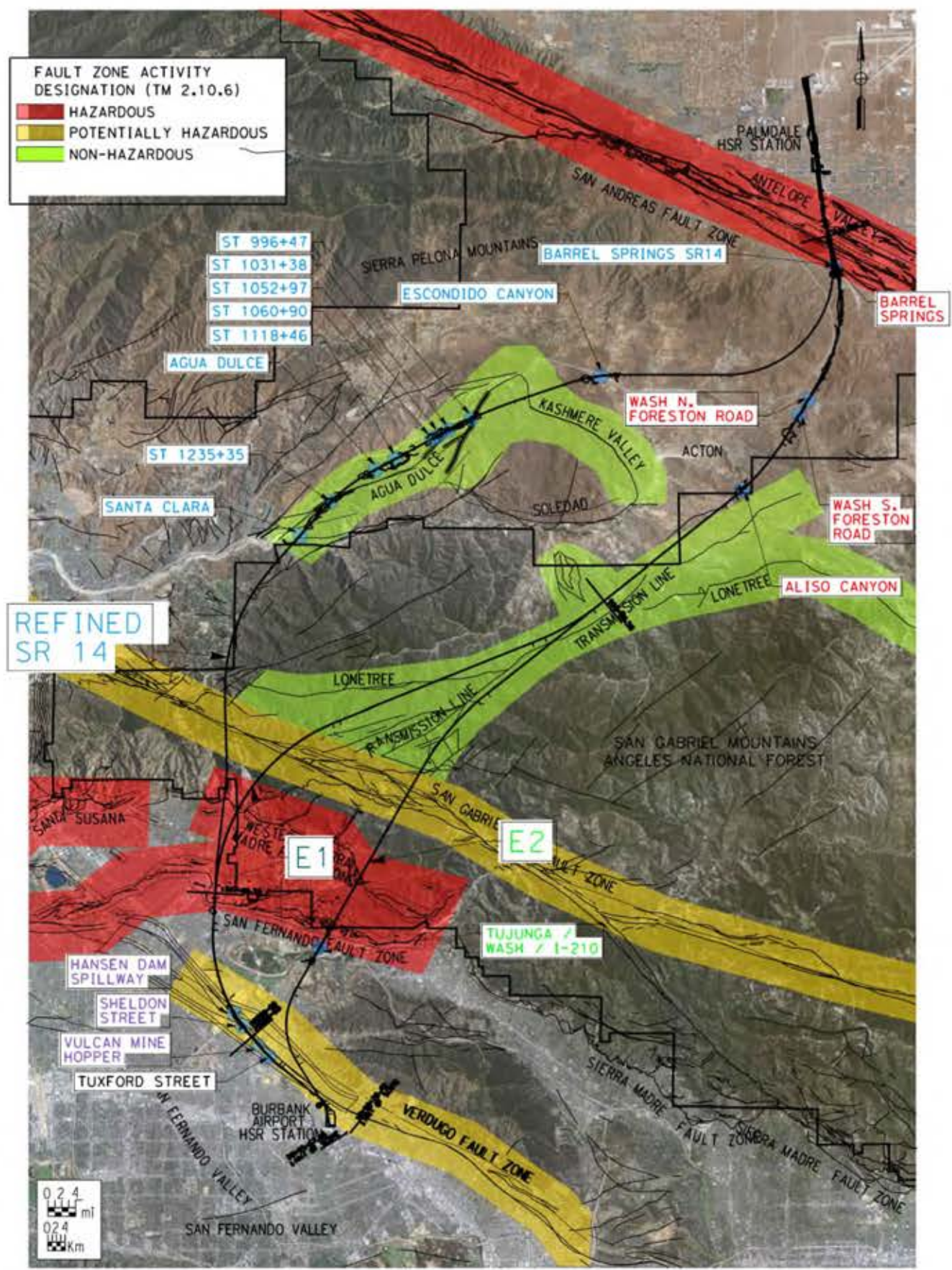
CONTRACT NO.
DRAWING NO. <b>ST-B0002</b>
SCALE <b>NONE</b>
SHEET NO.



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DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	CLASSIFICATION	SUBSURFACE CONDITIONS	FOUNDATION TYPE
ST-J1008-E1	BARREL SPRINGS ROAD	ST 376+05	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1009-E1	NORTH OF FORESTON DRIVE	ST 576+58	3.0 Miles/ SAFZ, HFZ 1.8 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1010-E1	SOUTH OF FORESTON DRIVE	ST 597+80	3.4 Miles/ SAFZ, HFZ 1.7 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1012-E1	ALISO CANYON	ST 738+10	0.11 Miles/ Unnamed/ NHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D-C	Piled / Shallow
ST-J1008-S14	BARREL SPRINGS ROAD	ST 375+57	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1009-S14	ESCONDIDO CANYON	ST 789+51	Within 0.9-3.8 Miles of several unnamed and named faults including: Kashmere Valley 1.34 mi Little Escondido 1.9 mi Pole Canyon 3.15 mi Agua Dulce 3.6 mi Soledad Fault 3.8 mi, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Soft Rock Site Class D-C	Piled
ST-J1012-S14	ST 996+47	ST 996+51	Little Escondido and Agua Dulce at/within 200 ft buffer zone. Elkhorn, Soledad, Pole Cyn within 1-2 mile radius, NHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium/ Soft Rock, Site Class C	Piled / Shallow
ST-J1013-S14	ST 1031+38	ST 1031+38	Agua Dulce Fault at/within 200 ft buffer zone. Elkhorn, Soledad, Pole Cyn within 1-2 mile radius, NHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium/ Soft Rock, Site Class C	Piled / Shallow
ST-J1015-S14	ST 1052+97	ST 1052+97	500-1000 ft/ Agua Dulce Fault. Several others in 1-2 mi radius, NHFZ	PRIMARY / IMPORTANT / STANDARD	Soft Rock, Site Class C	Piled / Shallow
ST-J1016-S14	ST 1060+90	ST 1061+10	500-1000 ft/ Agua Dulce Fault. Several others in 1-2 mi radius, NHFZ	PRIMARY / IMPORTANT / STANDARD	Soft Rock, Site Class C	Piled / Shallow
ST-J1017-S14	ST 1118+46	ST 1118+46	0.38 Mile Agua Dulce Fault 1.3 Mile Green Ranch Fault, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium / Soft Rock Site Class D-C	Piled / Shallow
ST-J1019-S14	AGUA DULCE	ST 1143+70	0.28 Mile Agua Dulce Fault 1.15 Mile Green Ranch Fault, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium / Soft Rock Site Class D-C	Piled / Shallow
ST-J1021-S14	ST 1235+35	ST 1235+55	Agua Dulce Fault at/within 200 ft buffer zone. NHFZ 1 Mile from Green Ranch Fault, NHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium / Soft Rock Site Class D-C	Piled / Shallow
ST-J1022-S14	SANTA CLARA	ST 1289+94	0.41 Mile Agua Dulce Fault 0.47 Pole Canyon Fault, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium / Soft Rock Site Class D-C	Piled / Shallow
ST-J1013-E2	TUJUNGA WASH / I-210	ST 1638+00	500-1000 ft/ Sierra Madre, San Fernando Section Lakeview flt, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium/Artificial Fill/ Soft Rock, Site Class D-C	Piled
ST-J1025-S14	HANSEN DAM SPILLWAY	ST 0+00	Verdugo Fault Zone (VFZ) at/within 200 ft buffer zone PHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1026-S14	SHELDON STREET	ST 1949+00	500-1000 ft/ VFZ PHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1027-S14	VULCAN MINE HOPPER	ST 0+00	500-1000 ft/ VFZ PHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1028-S14	TUXFORD STREET	ST 0+00	500-1000 ft/ VFZ PHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "REFINED SR14/E1/E2"  
GENERAL  
FAULT KEY MAP FOR HSR VIADUCTS**

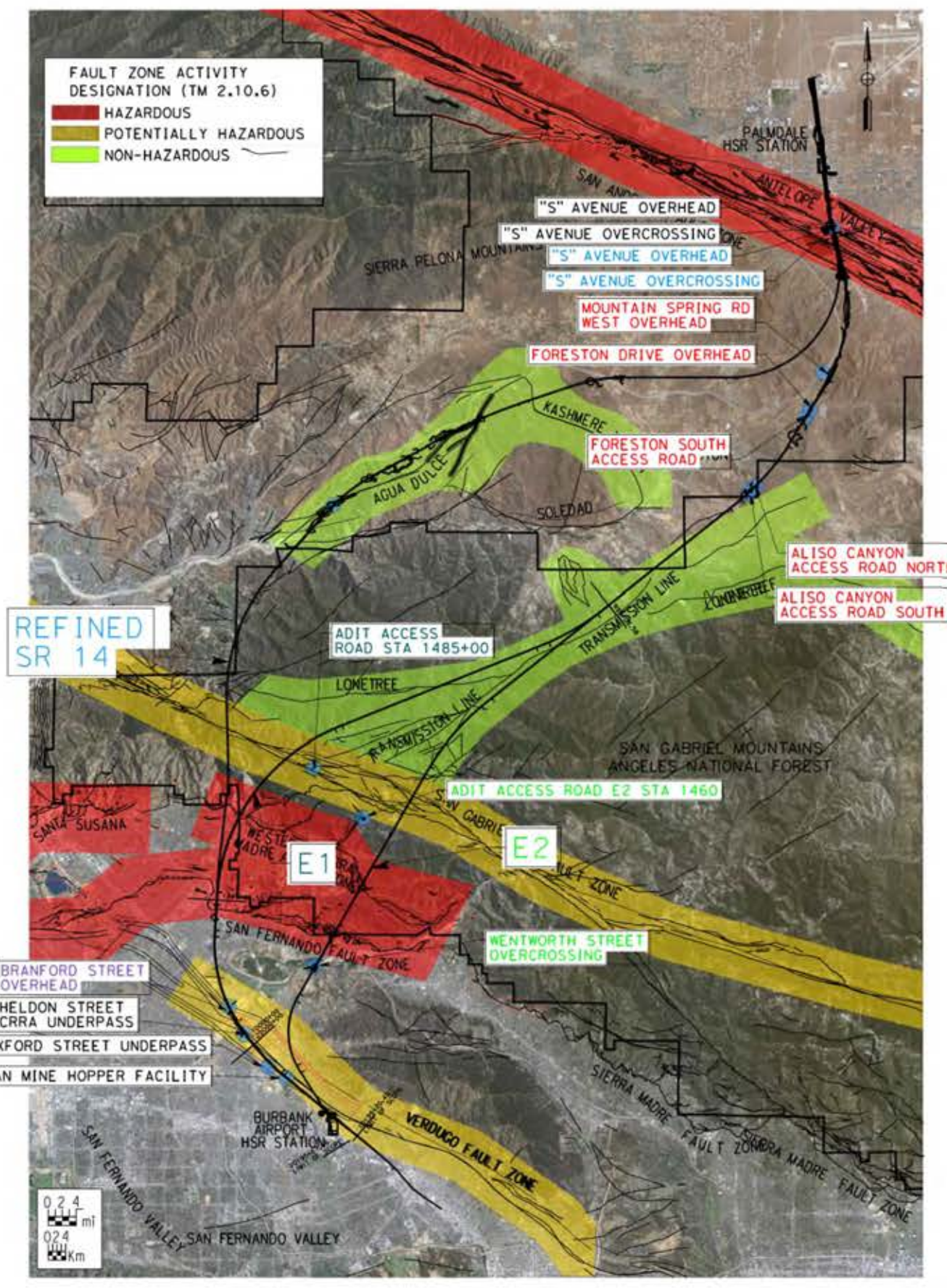
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-B0003  
SCALE  
1"=1000'  
SHEET NO.



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DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	CLASSIFICATION	SUBSURFACE CONDITIONS	FOUNDATION TYPE
ST-J1206-S14	SHELDON STREET UNDERPASS (SCRRA TRACKS 1 & 2)	ST 22+70	500-1000 ft/ VFZ PHFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1207-S14	VULCAN MINE HOPPER FACILITY	ST 58+87	500-1000 ft/ VFZ PHFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Shallow
ST-J1404-E1	AVENUE S OVERCROSSING	ST 96+76	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1405-E1	AVENUE S OVERHEAD	ST 100+70	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1406-E1	MOUNTAIN SPRING ROAD WEST OVERHEAD	ST 89+63	3.5 Miles/ SAFZ, HFZ 1.6 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1407-E1	FORESTON DRIVE OVERHEAD	ST 99+19	3.5 Miles/ SAFZ, HFZ 1.6 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1408-E1	FORESTON SOUTH ACCESS ROAD	ST 4+54	3.4 Miles/ SAFZ, HFZ 1.7 Miles/ Unnamed, NHFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1410-E1	ALISO CANYON ACCESS ROAD NORTH	-ST 0+19	0.11 Miles/ Unnamed/ NHFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D-C	Piled / Shallow
ST-J1411-E1	ALISO CANYON ACCESS ROAD SOUTH	ST 25+79	0.11 Miles/ Unnamed/ NHFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D-C	Piled / Shallow
ST-J1404-S14	AVENUE S OVERCROSSING	ST 96+76	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1405-S14	AVENUE S OVERHEAD	ST 100+70	SAFZ (Nadeau) at/within 200 ft buffer zone, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1406-S14	BRANFORD STREET OVERHEAD	ST 20+51	Verdugo Fault Zone (VFZ) at/within 200 ft buffer zone PHFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1413-E1	ADIT ACCESS ROAD E1 STA 1485	ST 11+12	San Gabriel Fault zone at/within 0.50 miles buffer zone.	SECONDARY / ORDINARY / STANDARD	Alluvium / Soft Rock Site Class D-C	Piled
ST-J1412-E2	ADIT ACCESS ROAD E2 STA 1460	ST 10+60	San Gabriel Fault zone at/within 50 ft buffer zone.	SECONDARY / ORDINARY / STANDARD	Alluvium / Soft Rock Site Class D-C	Piled
ST-J1413-E2	WENTWORTH STREET OVERCROSSING	ST 91+25	500-1000 ft/ Sierra Madre, San Fernando Section Lakeview flt, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium/Artificial Fill/ Soft Rock, Site Class D-C	Piled

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**  
DRAWN BY  
**J. LOPEZ**  
CHECKED BY  
**J. REVOLTOS**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14/E1/E2"  
GENERAL  
FAULT KEY MAP FOR ROAD & METROLINK BRIDGES

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-B0004  
SCALE  
1"=1000'  
SHEET NO.



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07/05/2021 11:58:19

DRAWING NO	TITLE
ST-B0000	COVER SHEET
ST-B0001	GENERAL - BRIDGES AND ELEVATED STRUCTURES ABBREVIATIONS AND LEGEND SHEET 1 OF 2
ST-B0002	GENERAL - BRIDGES AND ELEVATED STRUCTURES ABBREVIATIONS AND LEGEND SHEET 2 OF 2
ST-B0003	ALIGNMENT "REFINED SR14/E1/E2" GENERAL FAULT KEY MAP FOR HSR VIADUCTS
ST-B0004	ALIGNMENT "REFINED SR14/E1/E2" GENERAL FAULT KEY MAP FOR ROADWAY & METROLINK BRIDGES
ST-B0005	ALIGNMENT "REFINED SR14/E1/E2" INDEX OF DRAWINGS
ST-J1001-S14	NOT USED
ST-J1002-S14	NOT USED
ST-J1003-S14	NOT USED
ST-J1004-S14	NOT USED
ST-J1005-S14	NOT USED
ST-J1006-S14	NOT USED
ST-J1007-S14	NOT USED
ST-J1008-S14	ALIGNMENT "REFINED SR14" BARREL SPRINGS ROAD UNDERPASS GENERAL PLAN
ST-J1009-S14	ALIGNMENT "REFINED SR14" ESCONDIDO CANYON VIADUCT GENERAL PLAN SHEET 1 OF 3
ST-J1010-S14	ALIGNMENT "REFINED SR14" ESCONDIDO CANYON VIADUCT GENERAL PLAN SHEET 2 OF 3
ST-J1011-S14	ALIGNMENT "REFINED SR14" ESCONDIDO CANYON VIADUCT GENERAL PLAN SHEET 3 OF 3
ST-J1012-S14	ALIGNMENT "REFINED SR14" ST 996+47 VIADUCT GENERAL PLAN
ST-J1013-S14	ALIGNMENT "REFINED SR14" ST 1031+38 VIADUCT GENERAL PLAN SHEET 1 OF 2
ST-J1014-S14	ALIGNMENT "REFINED SR14" ST 1031+38 VIADUCT GENERAL PLAN SHEET 2 OF 2
ST-J1015-S14	ALIGNMENT "REFINED SR14" ST 1052+97 VIADUCT GENERAL PLAN
ST-J1016-S14	ALIGNMENT "REFINED SR14" ST 1060+90 VIADUCT GENERAL PLAN
ST-J1017-S14	ALIGNMENT "REFINED SR14" ST 1118+46 VIADUCT GENERAL PLAN SHEET 1 OF 2
ST-J1018-S14	ALIGNMENT "REFINED SR14" ST 1118+46 VIADUCT GENERAL PLAN SHEET 2 OF 2
ST-J1019-S14	ALIGNMENT "REFINED SR14" AGUA DULCE VIADUCT GENERAL PLAN SHEET 1 OF 2
ST-J1020-S14	ALIGNMENT "REFINED SR14" AGUA DULCE VIADUCT GENERAL PLAN SHEET 2 OF 2
ST-J1021-S14	ALIGNMENT "REFINED SR14" ST 1235+35 VIADUCT GENERAL PLAN
ST-J1022-S14	ALIGNMENT "REFINED SR14" SANTA CLARA VIADUCT GENERAL PLAN SHEET 1 OF 3
ST-J1023-S14	ALIGNMENT "REFINED SR14" SANTA CLARA VIADUCT GENERAL PLAN SHEET 2 OF 3
ST-J1024-S14	ALIGNMENT "REFINED SR14" SANTA CLARA VIADUCT GENERAL PLAN SHEET 3 OF 3
ST-J1025-S14	ALIGNMENT "REFINED SR14" HANSEN DAM SPILLWAY VIADUCT GENERAL PLAN
ST-J1026-S14	ALIGNMENT "REFINED SR14" SHELTON STREET VIADUCT GENERAL PLAN
ST-J1027-S14	ALIGNMENT "REFINED SR14" VULCAN MINE HOPPER VIADUCT GENERAL PLAN
ST-J1028-S14	ALIGNMENT "REFINED SR14" TUXFORD STREET VIADUCT GENERAL PLAN
ST-J1201-S14	NOT USED
ST-J1202-S14	NOT USED
ST-J1203-S14	NOT USED
ST-J1204-S14	NOT USED
ST-J1205-S14	NOT USED
ST-J1206-S14	ALIGNMENT "REFINED SR14" SHELTON STREET UNDERPASS (SCRRA TRACKS 1 & 2) GENERAL PLAN
ST-J1207-S14	ALIGNMENT "REFINED SR14" VULCAN MINE HOPPER FACILITY GENERAL PLAN
ST-J1401-S14	NOT USED
ST-J1402-S14	NOT USED
ST-J1403-S14	NOT USED
ST-J1404-S14	ALIGNMENT "REFINED SR14" AVENUE S OVERCROSSING GENERAL PLAN
ST-J1405-S14	ALIGNMENT "REFINED SR14" AVENUE S OVERHEAD GENERAL PLAN
ST-J1406-S14	ALIGNMENT "REFINED SR14" BRANFORD STREET OVERHEAD GENERAL PLAN

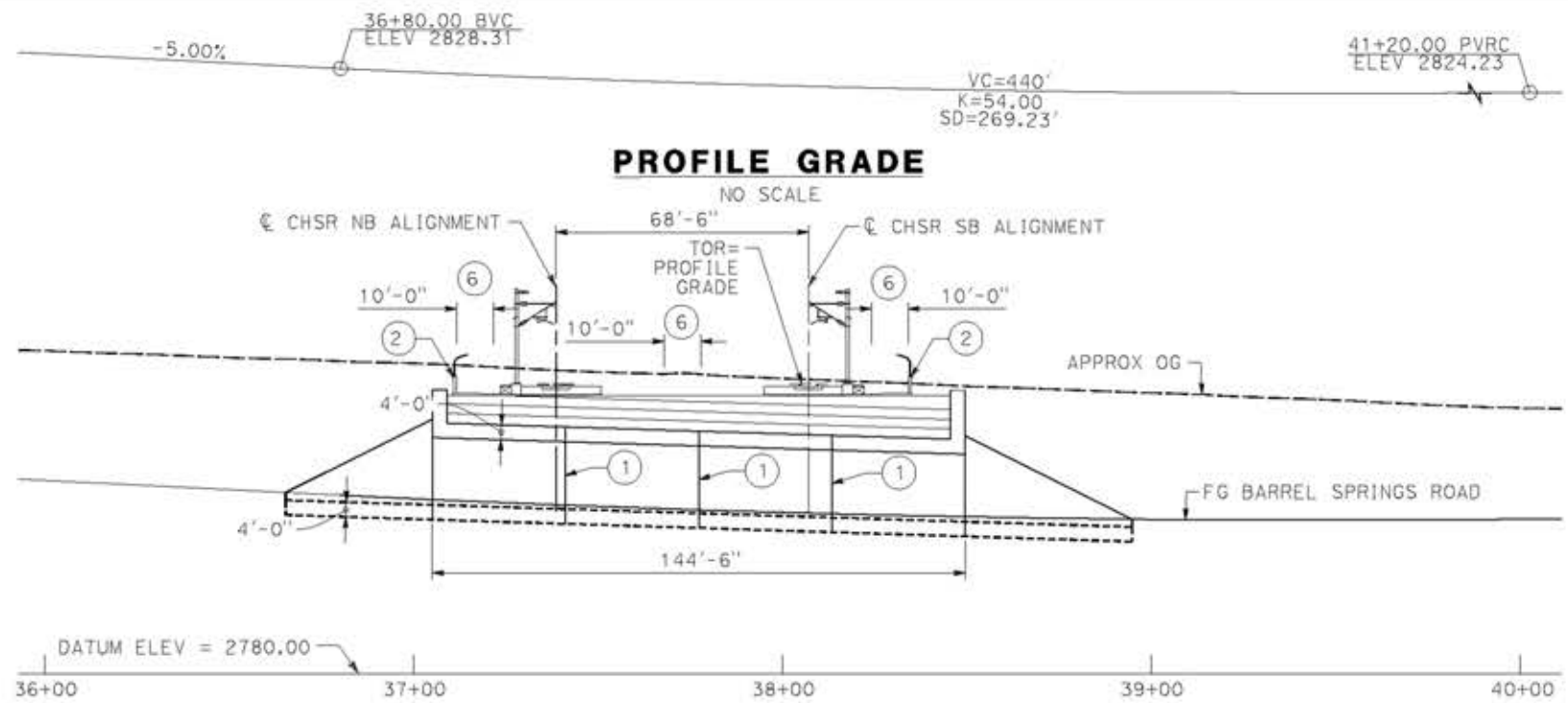
DRAWING NO	TITLE
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ST-J1003-E1	NOT USED
ST-J1004-E1	NOT USED
ST-J1005-E1	NOT USED
ST-J1006-E1	NOT USED
ST-J1007-E1	NOT USED
ST-J1008-E1	ALIGNMENT "E1" BARREL SPRINGS ROAD UNDERPASS GENERAL PLAN
ST-J1009-E1	ALIGNMENT "E1" NORTH OF FORESTON DRIVE VIADUCT GENERAL PLAN
ST-J1010-E1	ALIGNMENT "E1" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN SHEET 1 OF 2
ST-J1011-E1	ALIGNMENT "E1" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN SHEET 2 OF 2
ST-J1012-E1	ALIGNMENT "E1" ALISO CANYON VIADUCT GENERAL PLAN
ST-J1013-E1	ALIGNMENT "E1" HANSEN DAM SPILLWAY VIADUCT GENERAL PLAN
ST-J1014-E1	ALIGNMENT "E1" SHELTON STREET VIADUCT GENERAL PLAN
ST-J1015-E1	ALIGNMENT "E1" VULCAN MINE HOPPER VIADUCT GENERAL PLAN
ST-J1016-E1	ALIGNMENT "E1" TUXFORD STREET VIADUCT GENERAL PLAN
ST-J1201-E1	NOT USED
ST-J1202-E1	NOT USED
ST-J1203-E1	NOT USED
ST-J1204-E1	NOT USED
ST-J1205-E1	NOT USED
ST-J1206-E1	ALIGNMENT "E1" SHELTON STREET UNDERPASS (SCRRA TRACKS 1 & 2) GENERAL PLAN
ST-J1207-E1	ALIGNMENT "E1" VULCAN MINE HOPPER FACILITY GENERAL PLAN
ST-J1401-E1	NOT USED
ST-J1402-E1	NOT USED
ST-J1403-E1	NOT USED
ST-J1404-E1	ALIGNMENT "E1" AVENUE S OVERCROSSING GENERAL PLAN
ST-J1405-E1	ALIGNMENT "E1" AVENUE S OVERHEAD GENERAL PLAN
ST-J1406-E1	ALIGNMENT "E1" MOUNTAIN SPRING ROAD WEST OVERHEAD GENERAL PLAN
ST-J1407-E1	ALIGNMENT "E1" FORESTON DRIVE OVERHEAD GENERAL PLAN
ST-J1408-E1	ALIGNMENT "E1" FORESTON SOUTH ACCESS ROAD GENERAL PLAN SHEET 1 OF 2
ST-J1409-E1	ALIGNMENT "E1" FORESTON SOUTH ACCESS ROAD GENERAL PLAN SHEET 2 OF 2
ST-J1410-E1	ALIGNMENT "E1" ALISO CANYON ACCESS ROAD NORTH GENERAL PLAN
ST-J1411-E1	ALIGNMENT "E1" ALISO CANYON ACCESS ROAD SOUTH GENERAL PLAN
ST-J1412-E1	ALIGNMENT "E1" BRANFORD STREET OVERHEAD GENERAL PLAN
ST-J1413-E1	ALIGNMENT "E1" ADIT ACCESS ROAD E1 STA 1485 GENERAL PLAN

DRAWING NO	TITLE
ST-J1001-E2	NOT USED
ST-J1002-E2	NOT USED
ST-J1003-E2	NOT USED
ST-J1004-E2	NOT USED
ST-J1005-E2	NOT USED
ST-J1006-E2	NOT USED
ST-J1007-E2	NOT USED
ST-J1008-E2	ALIGNMENT "E2" BARREL SPRINGS ROAD UNDERPASS GENERAL PLAN
ST-J1009-E2	ALIGNMENT "E2" NORTH OF FORESTON DRIVE VIADUCT GENERAL PLAN
ST-J1010-E2	ALIGNMENT "E2" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN SHEET 1 OF 2
ST-J1011-E2	ALIGNMENT "E2" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN SHEET 2 OF 2
ST-J1012-E2	ALIGNMENT "E2" ALISO CANYON VIADUCT GENERAL PLAN
ST-J1013-E2	ALIGNMENT "E2" TUJUNGA WASH / I-210 VIADUCT GENERAL PLAN SHEET 1 OF 4
ST-J1014-E2	ALIGNMENT "E2" TUJUNGA WASH / I-210 VIADUCT GENERAL PLAN SHEET 2 OF 4
ST-J1015-E2	ALIGNMENT "E2" TUJUNGA WASH / I-210 VIADUCT GENERAL PLAN SHEET 3 OF 4
ST-J1016-E2	ALIGNMENT "E2" TUJUNGA WASH / I-210 VIADUCT GENERAL PLAN SHEET 4 OF 4
ST-J1201-E2	NOT USED
ST-J1202-E2	NOT USED
ST-J1203-E2	NOT USED
ST-J1204-E2	NOT USED
ST-J1205-E2	NOT USED
ST-J1401-E2	NOT USED
ST-J1402-E2	NOT USED
ST-J1403-E2	NOT USED
ST-J1404-E2	ALIGNMENT "E2" AVENUE S OVERCROSSING GENERAL PLAN
ST-J1405-E2	ALIGNMENT "E2" AVENUE S OVERHEAD GENERAL PLAN
ST-J1406-E2	ALIGNMENT "E2" MOUNTAIN SPRING ROAD WEST OVERHEAD GENERAL PLAN
ST-J1407-E2	ALIGNMENT "E2" FORESTON DRIVE OVERHEAD GENERAL PLAN
ST-J1408-E2	ALIGNMENT "E2" FORESTON SOUTH ACCESS ROAD GENERAL PLAN SHEET 1 OF 2
ST-J1409-E2	ALIGNMENT "E2" FORESTON SOUTH ACCESS ROAD GENERAL PLAN SHEET 2 OF 2
ST-J1410-E2	ALIGNMENT "E2" ALISO CANYON ACCESS ROAD NORTH GENERAL PLAN
ST-J1411-E2	ALIGNMENT "E2" ALISO CANYON ACCESS ROAD SOUTH GENERAL PLAN
ST-J1412-E2	ALIGNMENT "E2" ADIT ACCESS ROAD E2 STA 1460 GENERAL PLAN
ST-J1413-E2	ALIGNMENT "E2" WENTWORTH STREET OVERCROSSING GENERAL PLAN SHEET 1 OF 2
ST-J1414-E2	ALIGNMENT "E2" WENTWORTH STREET OVERCROSSING GENERAL PLAN SHEET 2 OF 2

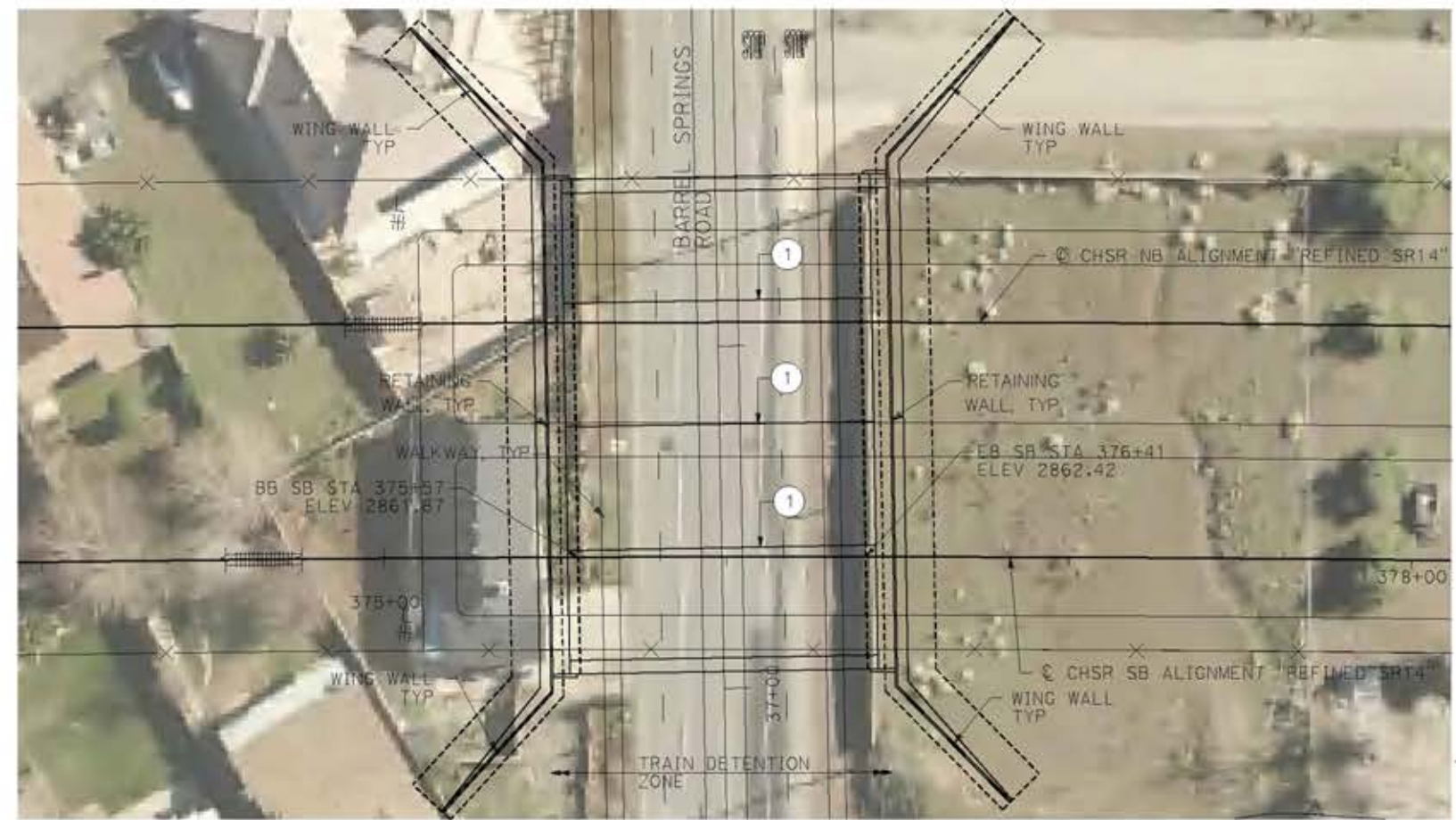
NOTE:  
NOT USED PLANS INCLUDED IN PALMDALE SUBSECTION RECORD SET

REV	DATE	BY	CHK	APP	DESCRIPTION	DESIGNED BY <b>A.MOLINA</b>	<b>PEPD RECORD SET</b> <b>REV 02</b>  <b>NOT FOR CONSTRUCTION</b>			<b>CALIFORNIA HIGH-SPEED RAIL PROJECT</b> <b>PALMDALE TO BURBANK</b> ALIGNMENT "REFINED SR14/E1/E2" INDEX OF DRAWINGS	CONTRACT NO.
						DRAWN BY <b>J.LOPEZ</b>					DRAWING NO. <b>ST-B0005</b>
						CHECKED BY <b>J.REVOLTOS</b>					SCALE <b>AS SHOWN</b>
						IN CHARGE <b>A.RELANO</b>					SHEET NO.
						DATE <b>04/30/2021</b>					





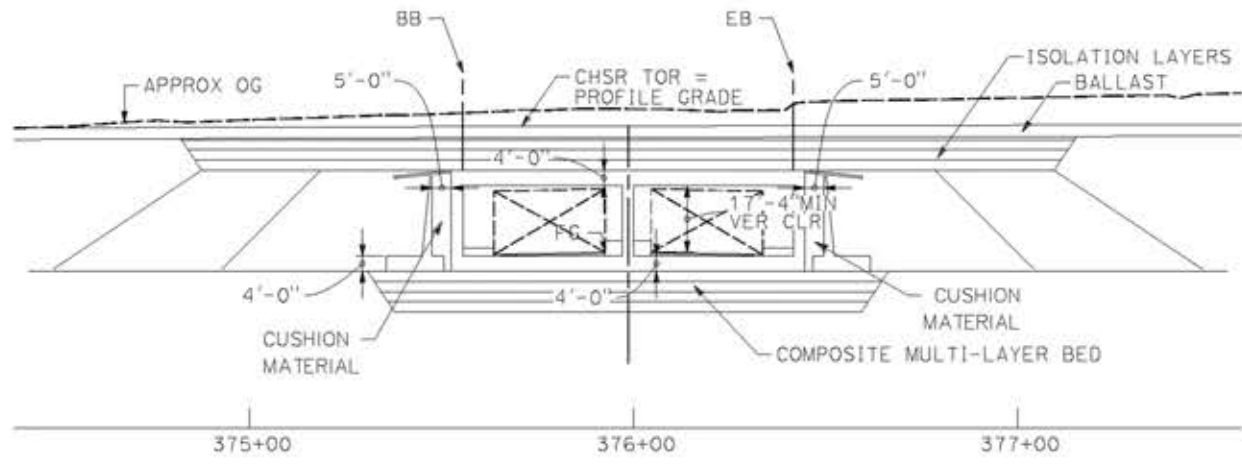
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SCALE: 1"=25'



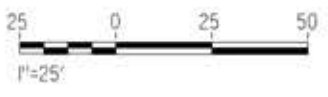
**PLAN**  
SCALE: 1"=25'

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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



**LOOKING EAST**  
SCALE: 1"=25'



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14/05/2021 9:16:58

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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.RELAÑO**  
DATE  
**04/30/2021**

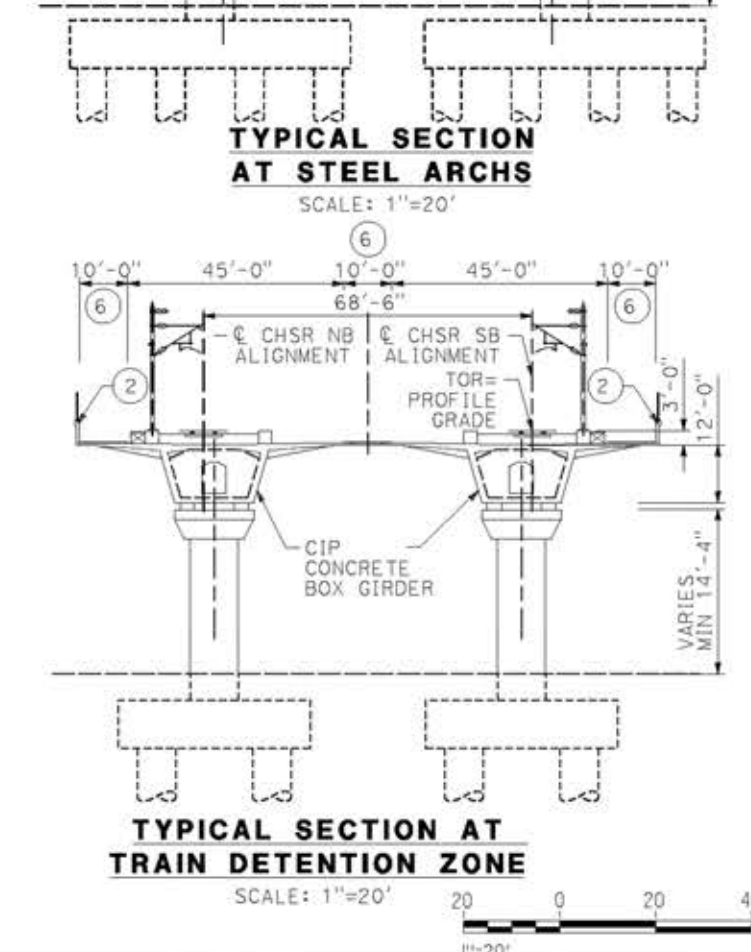
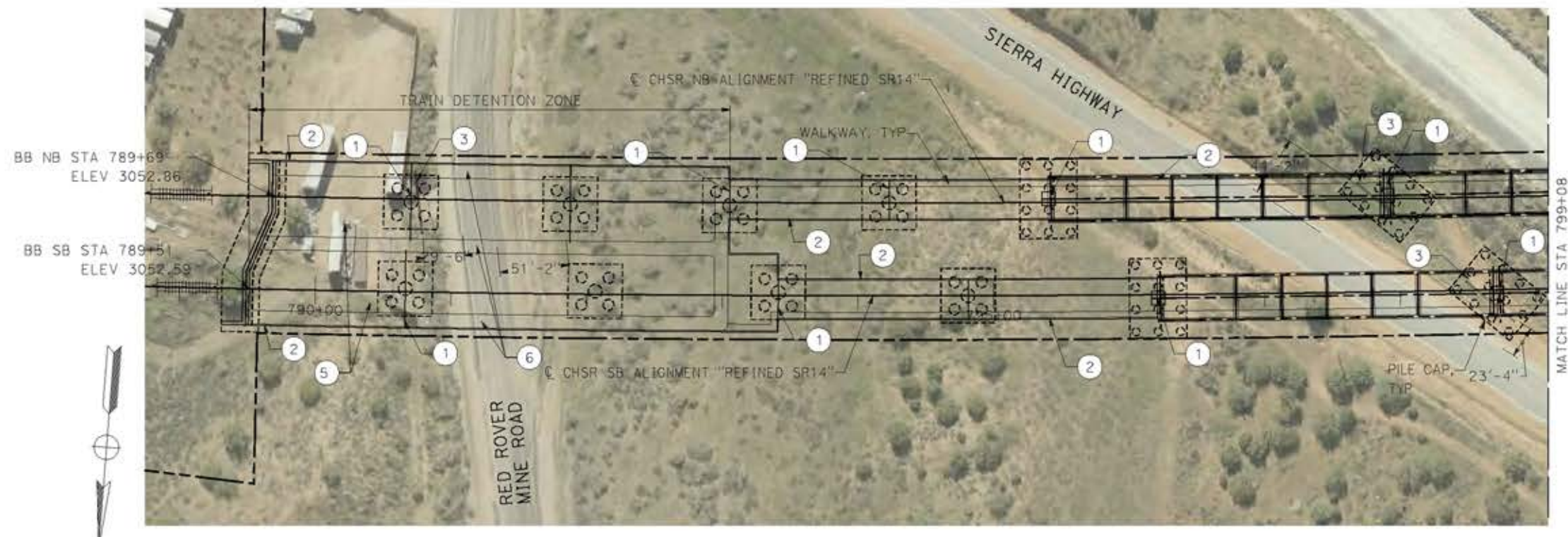
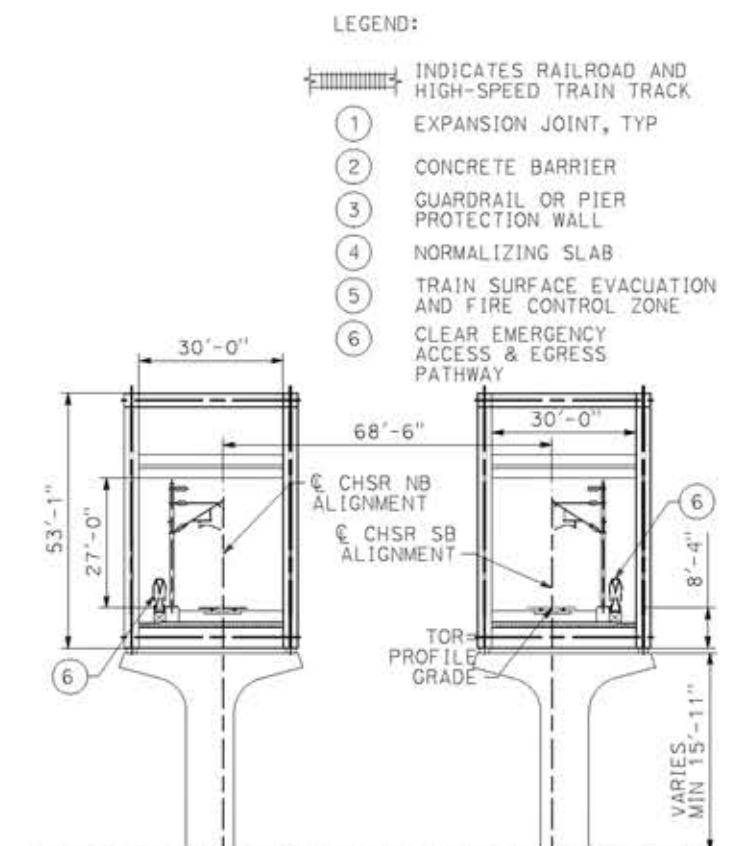
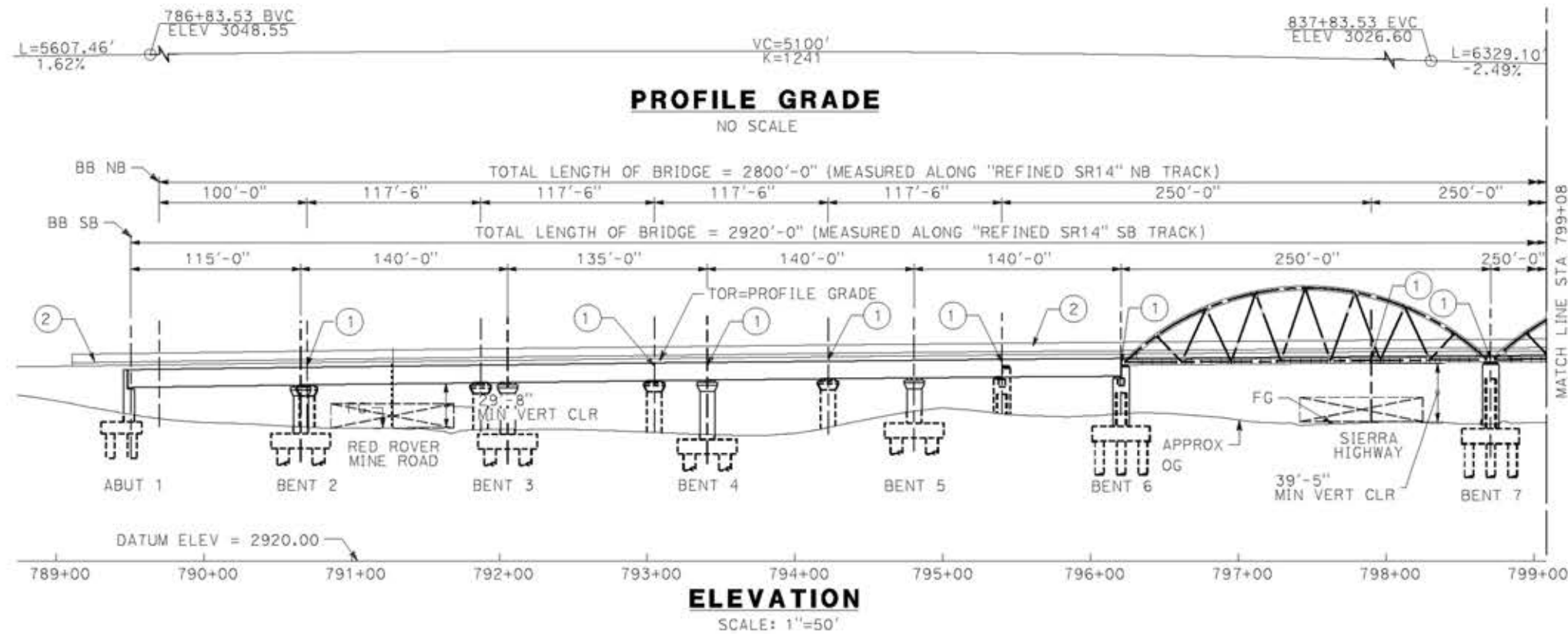
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
BARREL SPRINGS ROAD UNDERPASS  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1008-S14  
SCALE  
AS SHOWN  
SHEET NO.





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18/05/2021 17:14:18

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

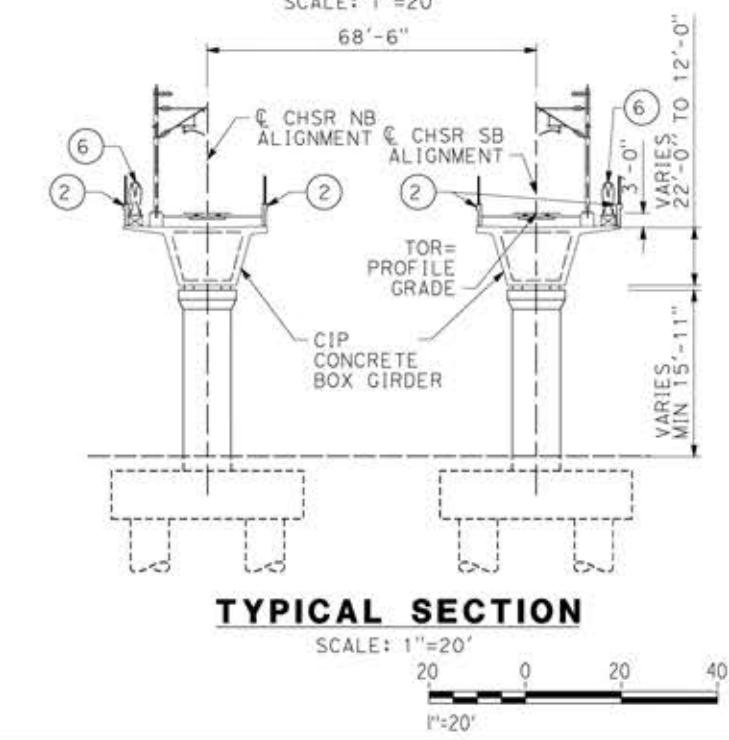
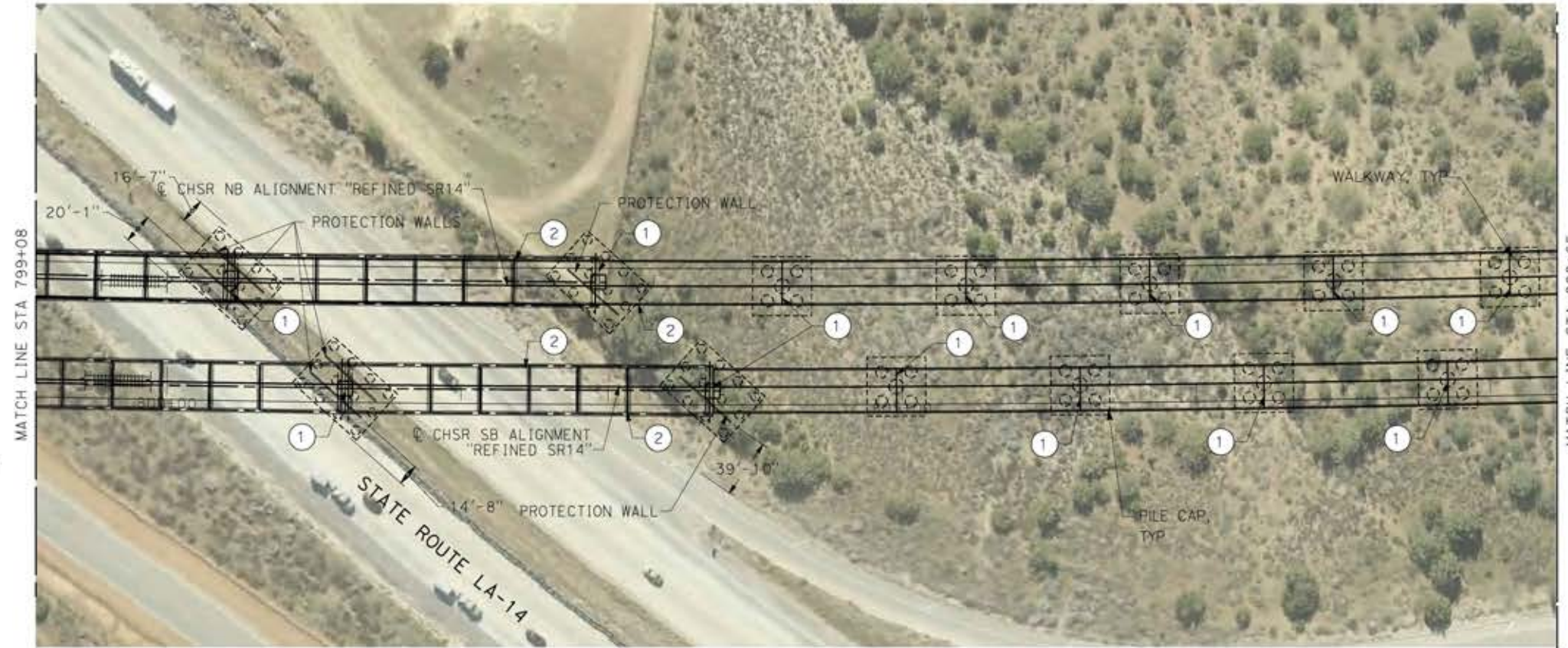
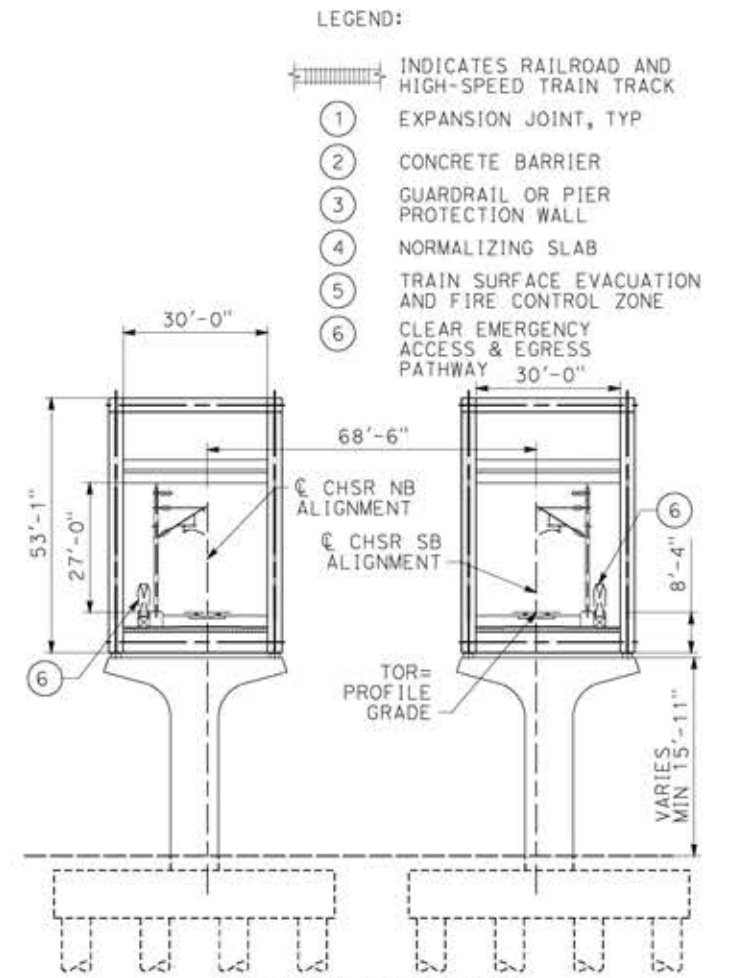
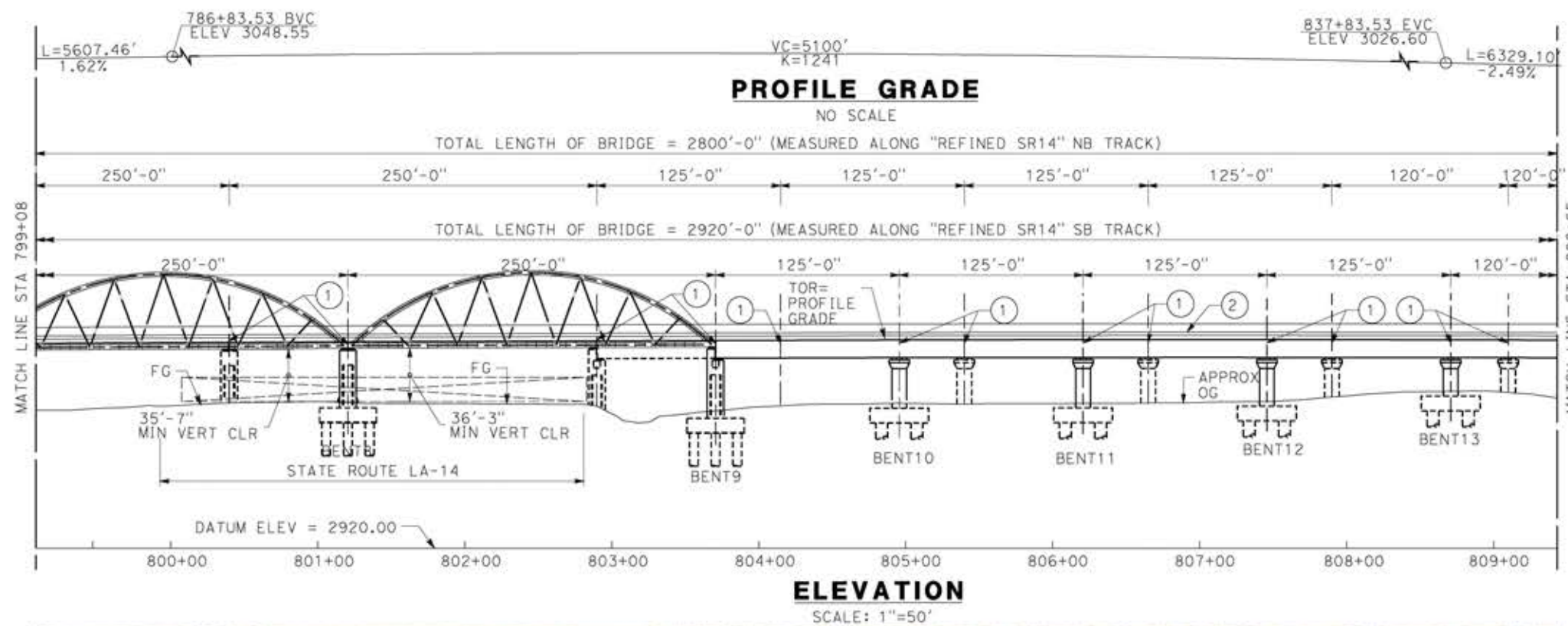
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ESCONDIDO CANYON VIADUCT  
GENERAL PLAN  
SHEET 1 OF 3

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1009-S14  
SCALE  
AS SHOWN  
SHEET NO.





- 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 30'-0"

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20/05/2021 13:38:27

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ESCONDIDO CANYON VIADUCT  
GENERAL PLAN  
SHEET 2 OF 3

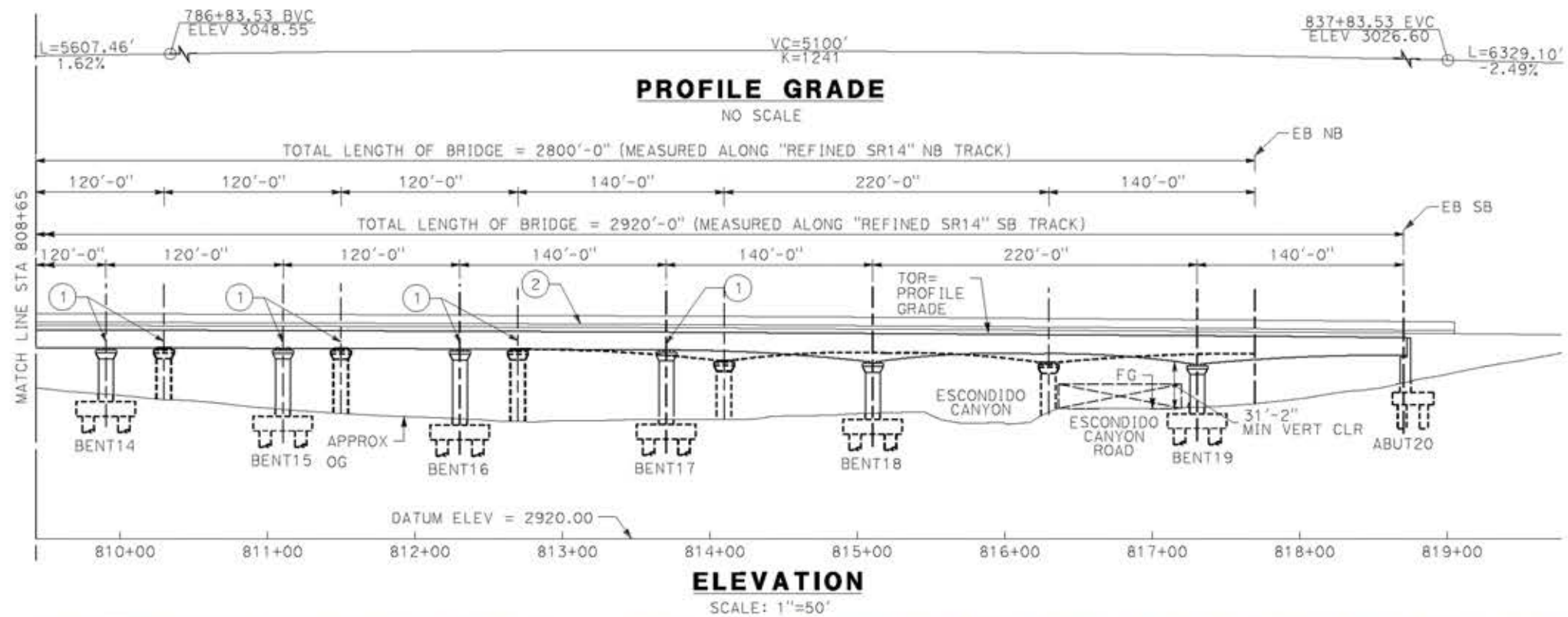
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1010-S14

SCALE  
AS SHOWN

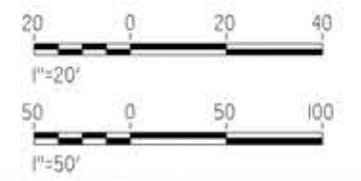
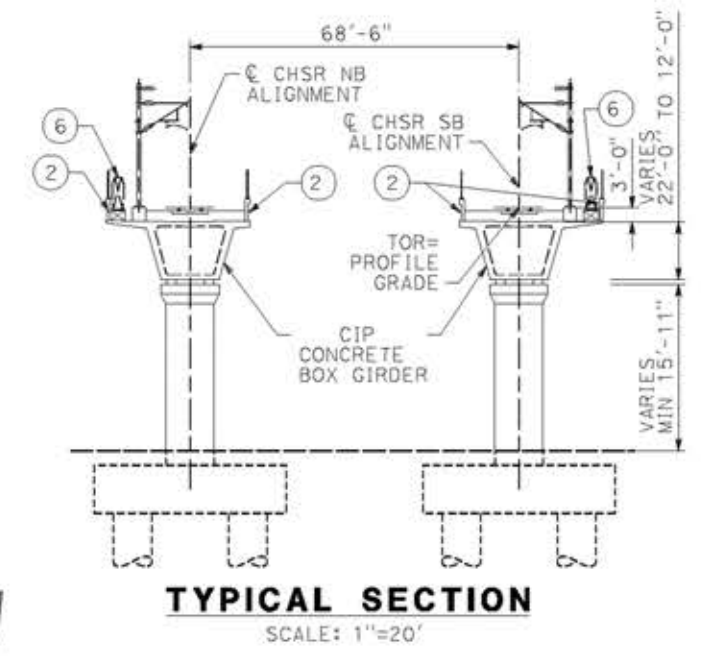
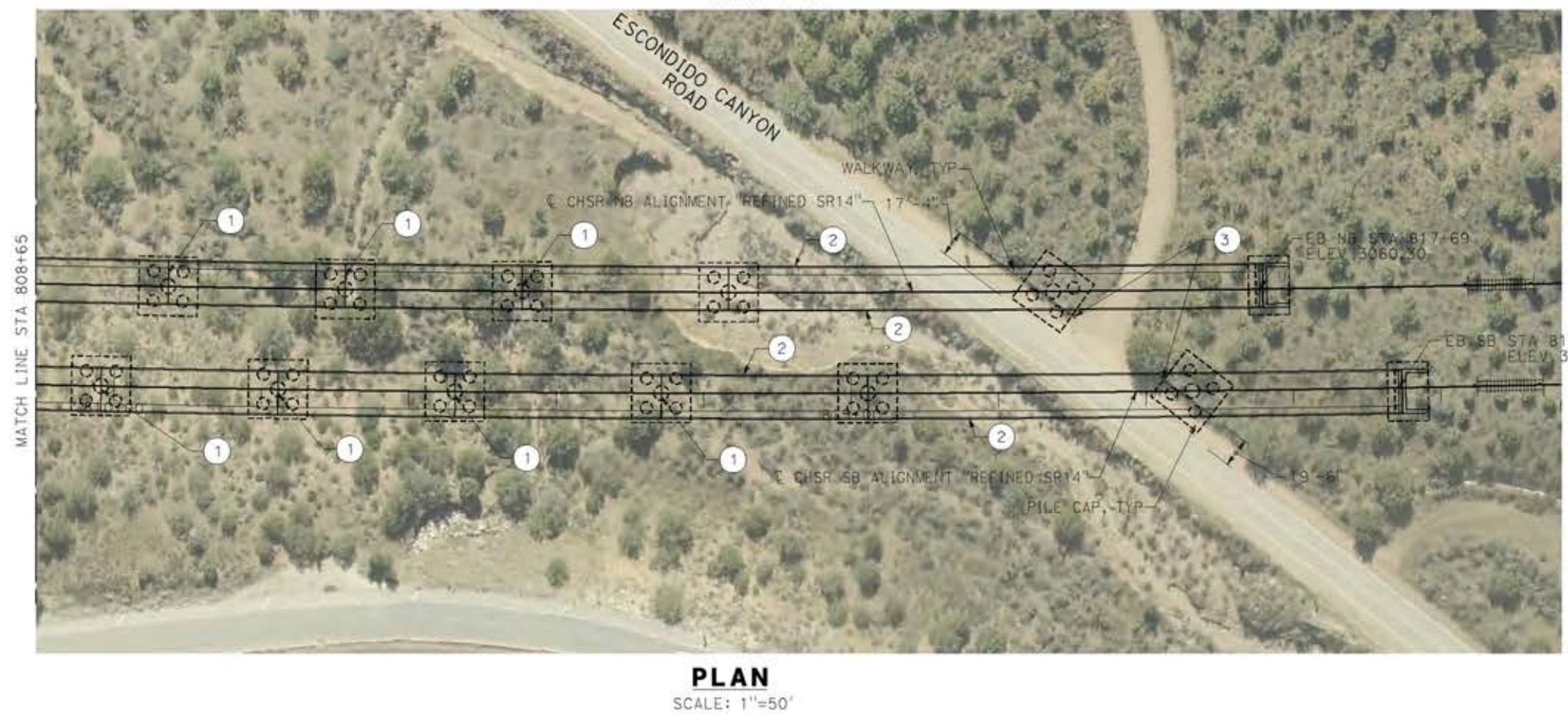
SHEET NO.





- 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:  
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.



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18/05/2021 17:15:15

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ESCONDIDO CANYON VIADUCT  
GENERAL PLAN  
SHEET 3 OF 3

CONTRACT NO.  
HSR14-42

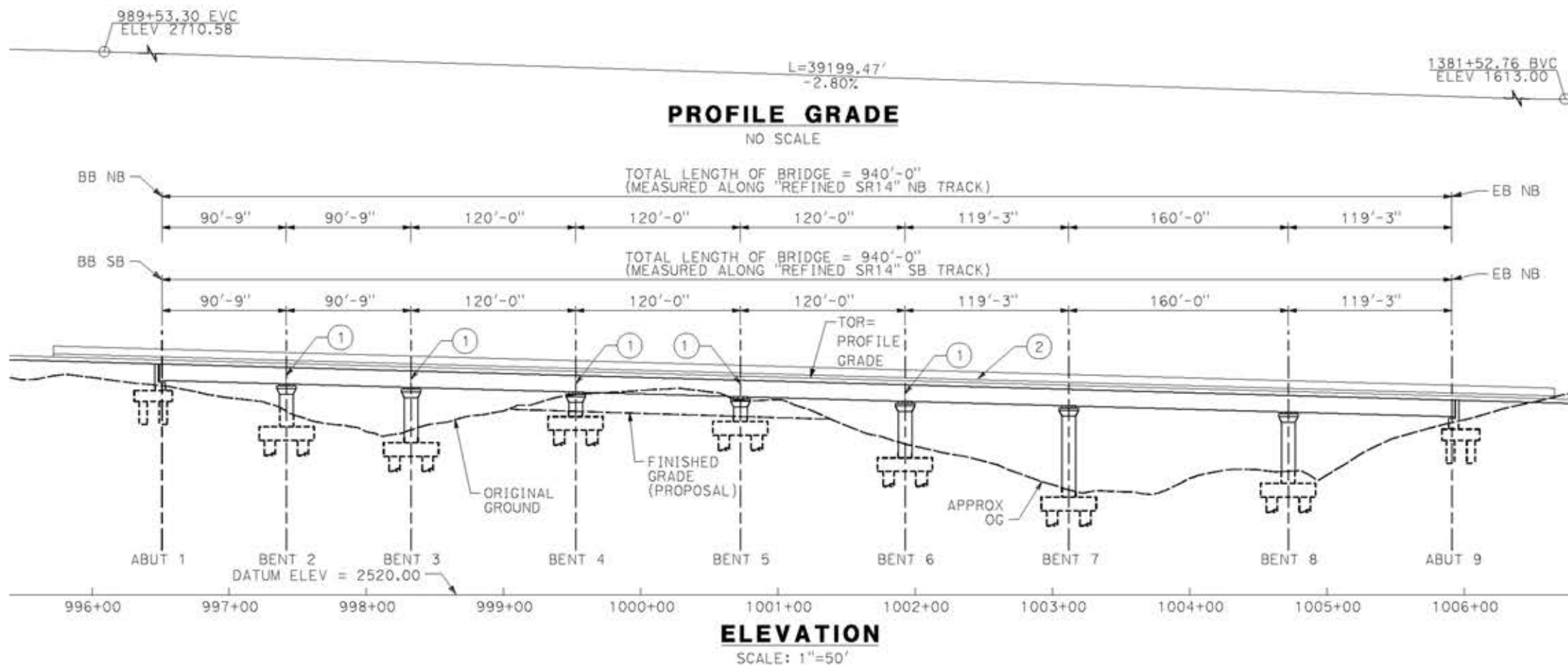
DRAWING NO.  
ST-J1011-S14

SCALE  
AS SHOWN

SHEET NO.

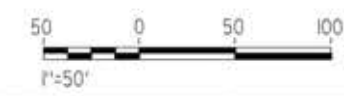
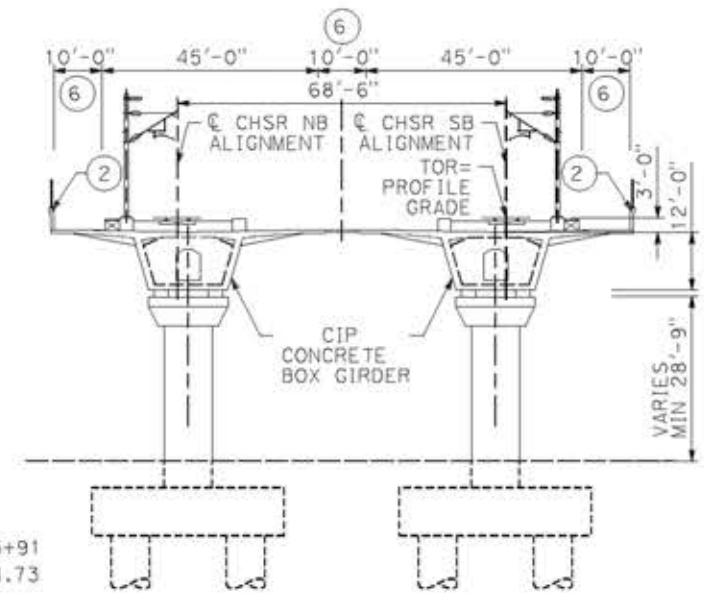


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- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY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

**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.



14/05/2021 9:19:07

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 996+47 VIADUCT  
GENERAL PLAN

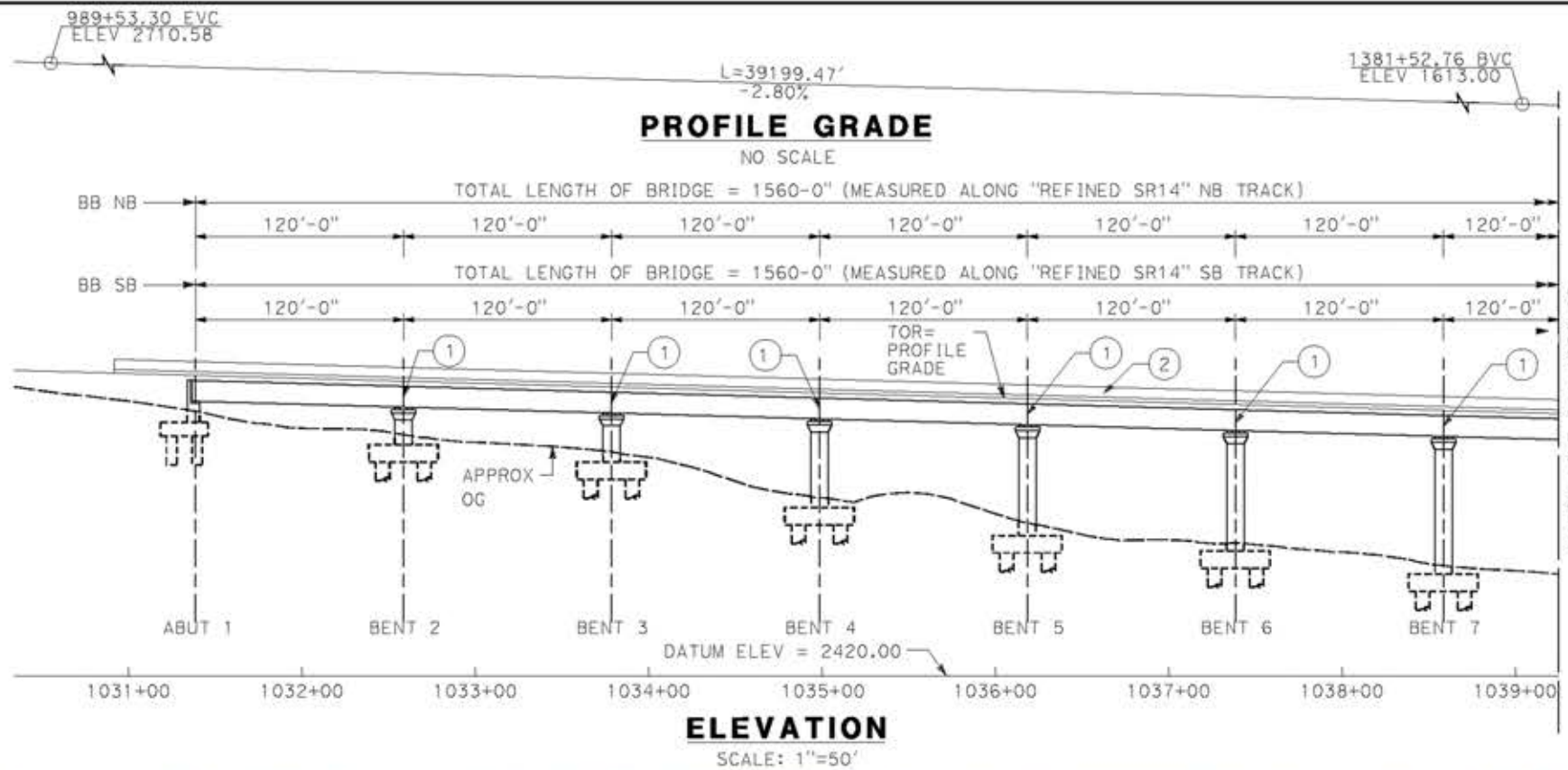
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1012-S14

SCALE  
AS SHOWN

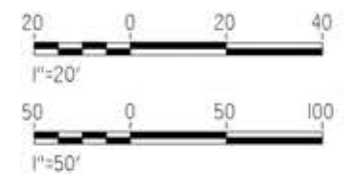
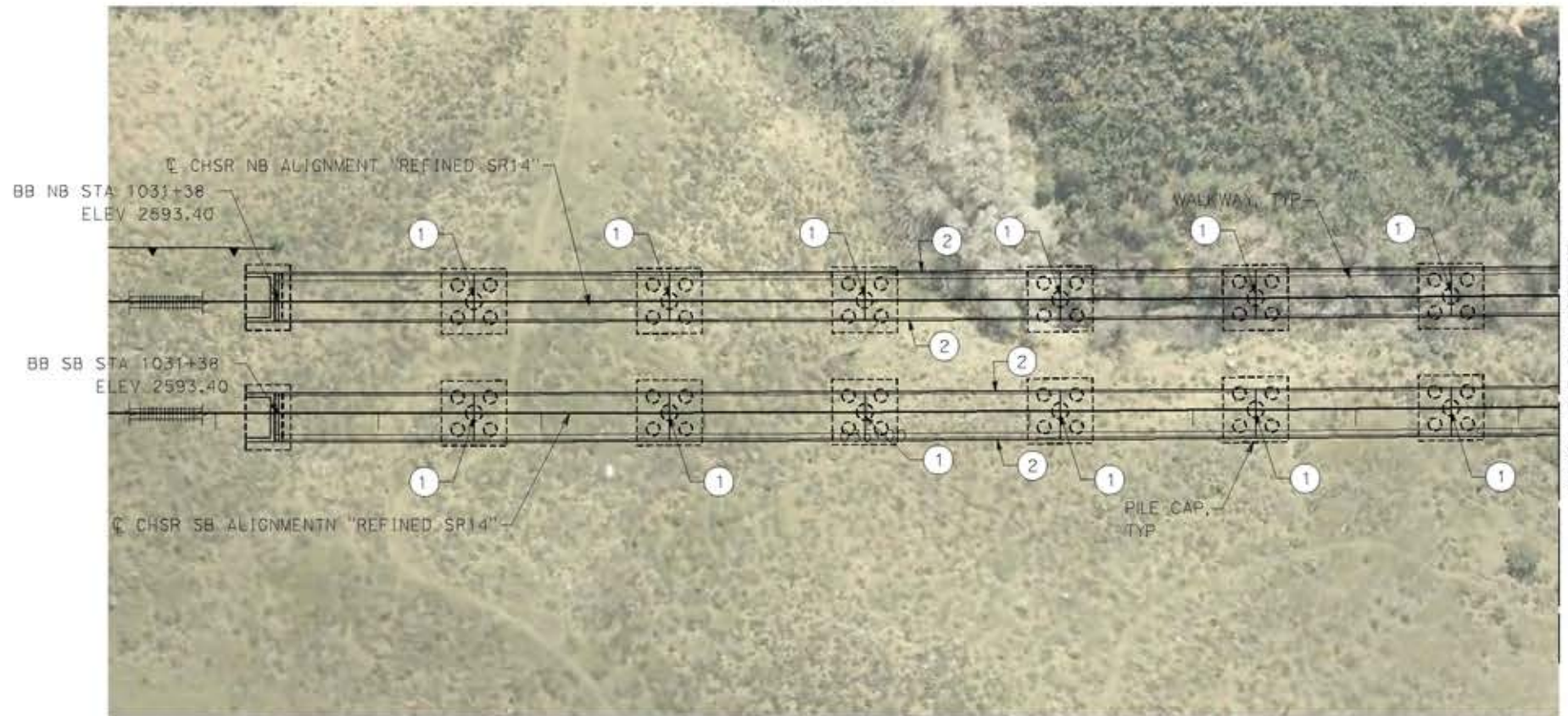
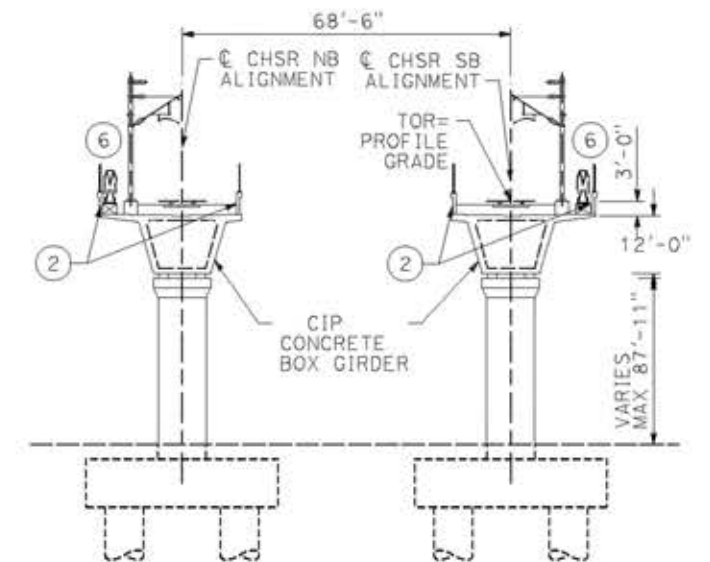
SHEET NO.





- 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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18/05/2021 17:16:22

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 1031+38 VIADUCT  
GENERAL PLAN  
SHEET 1 OF 2

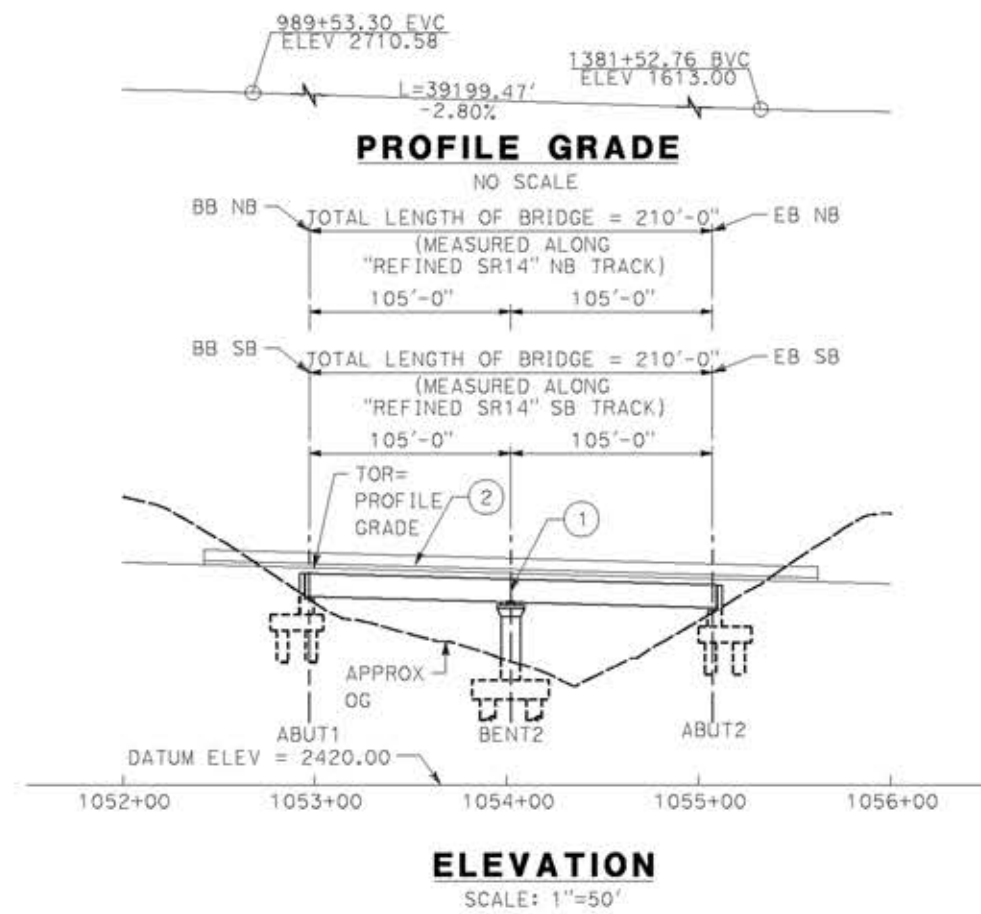
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1013-S14

SCALE  
AS SHOWN

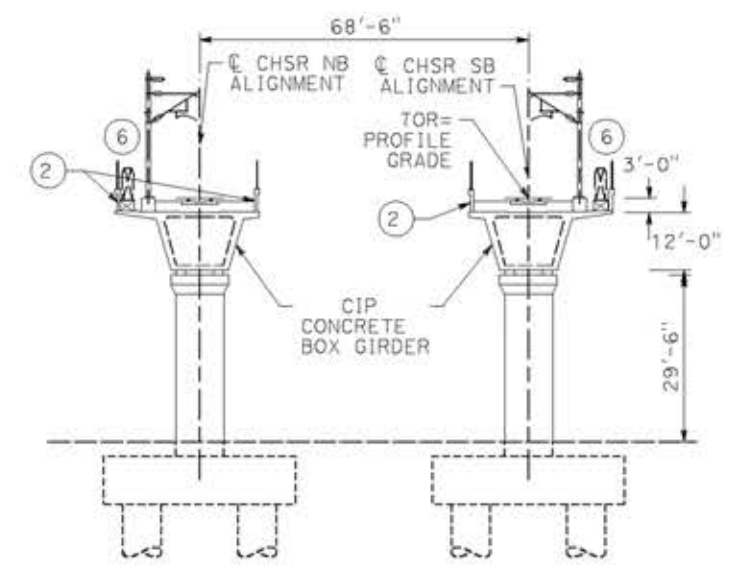
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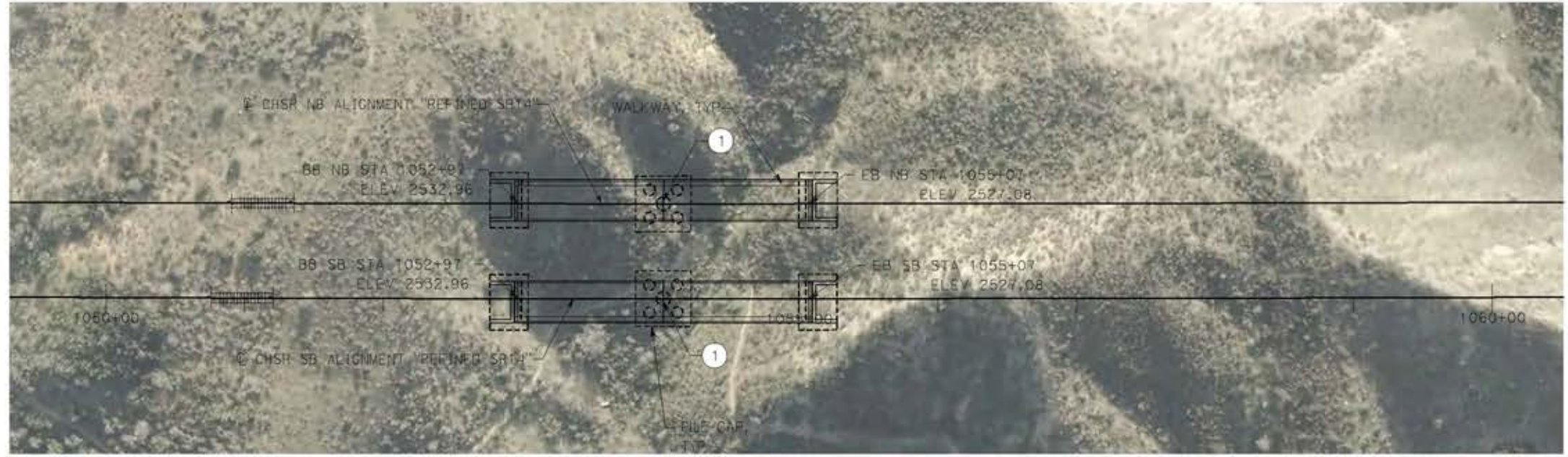


- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

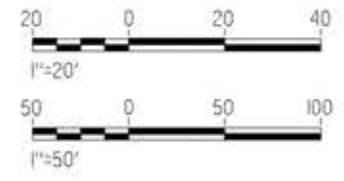
NOTE:  
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**TYPICAL SECTION**  
 SCALE: 1"=20'



**PLAN**  
 SCALE: 1"=50'



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14/05/2021 9:21:01

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
 ST 1052+97 VIADUCT  
 GENERAL PLAN

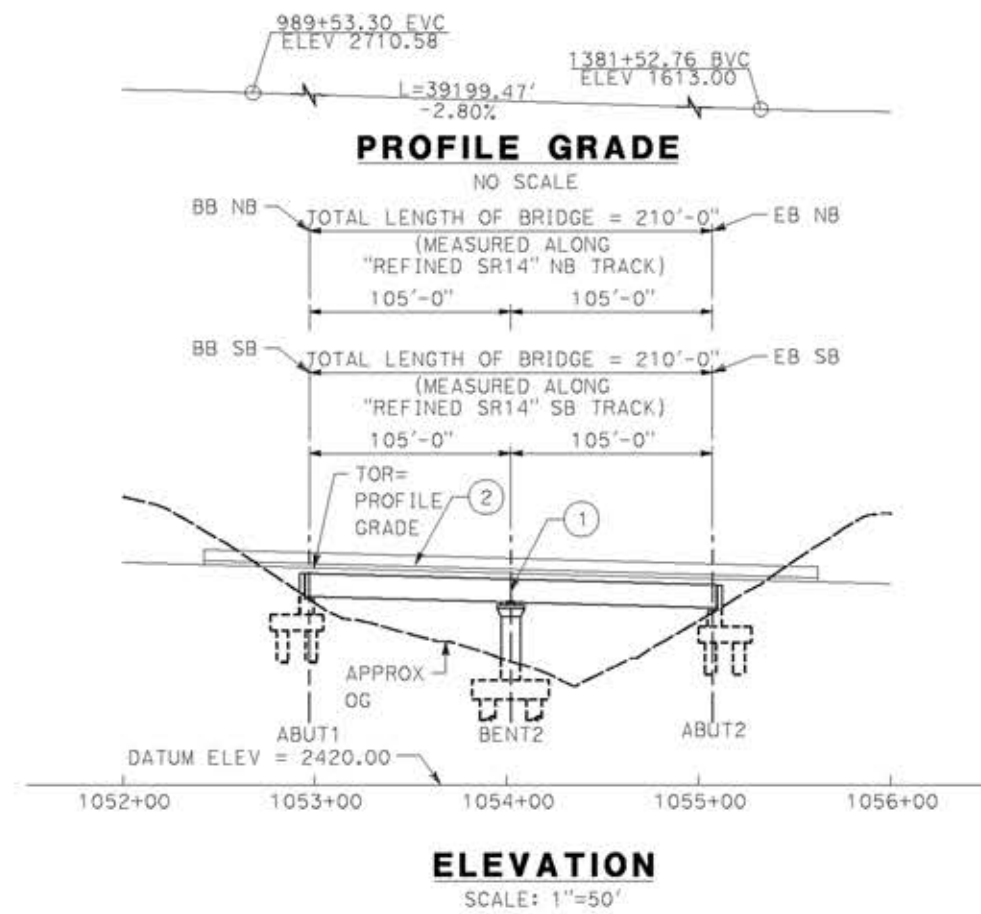
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1015-S14

SCALE  
AS SHOWN

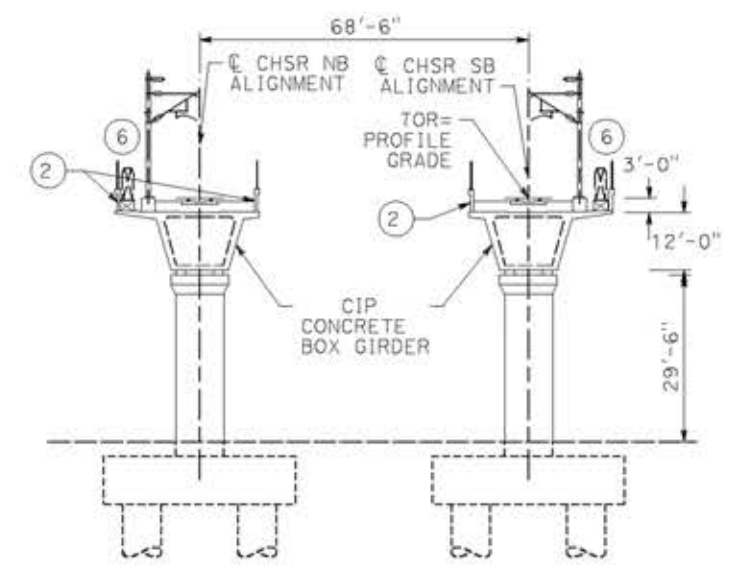
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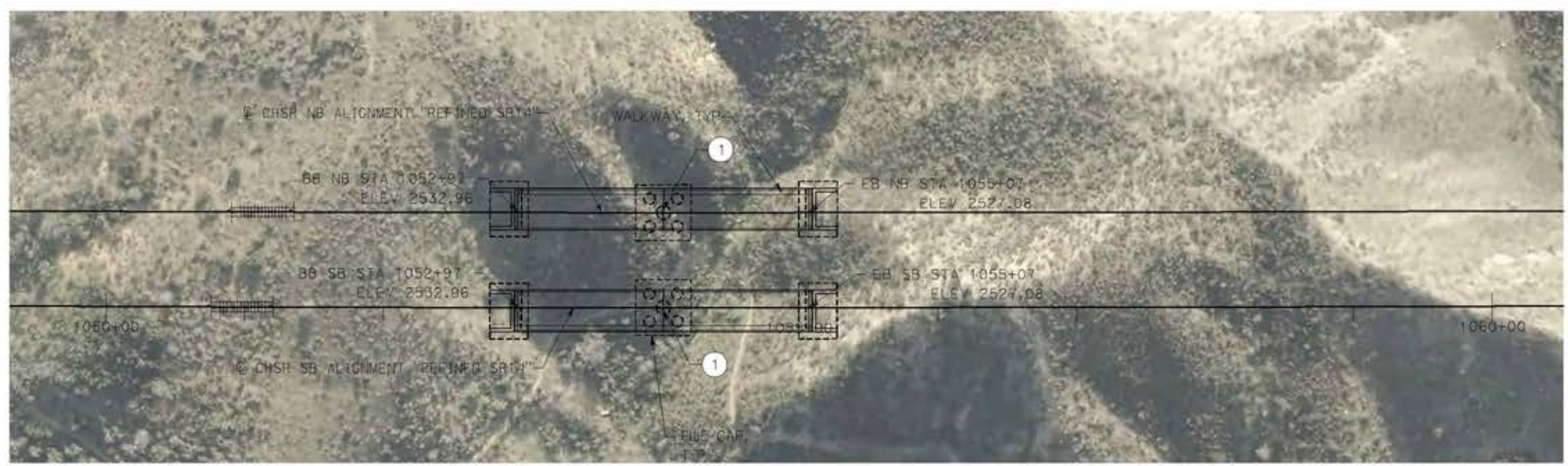


- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

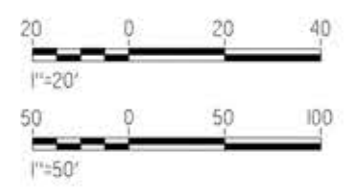
NOTE:  
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**TYPICAL SECTION**  
 SCALE: 1"=20'



**PLAN**  
 SCALE: 1"=50'



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14/05/2021 9:21:01

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
 ST 1052+97 VIADUCT  
 GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1015-S14

SCALE  
AS SHOWN

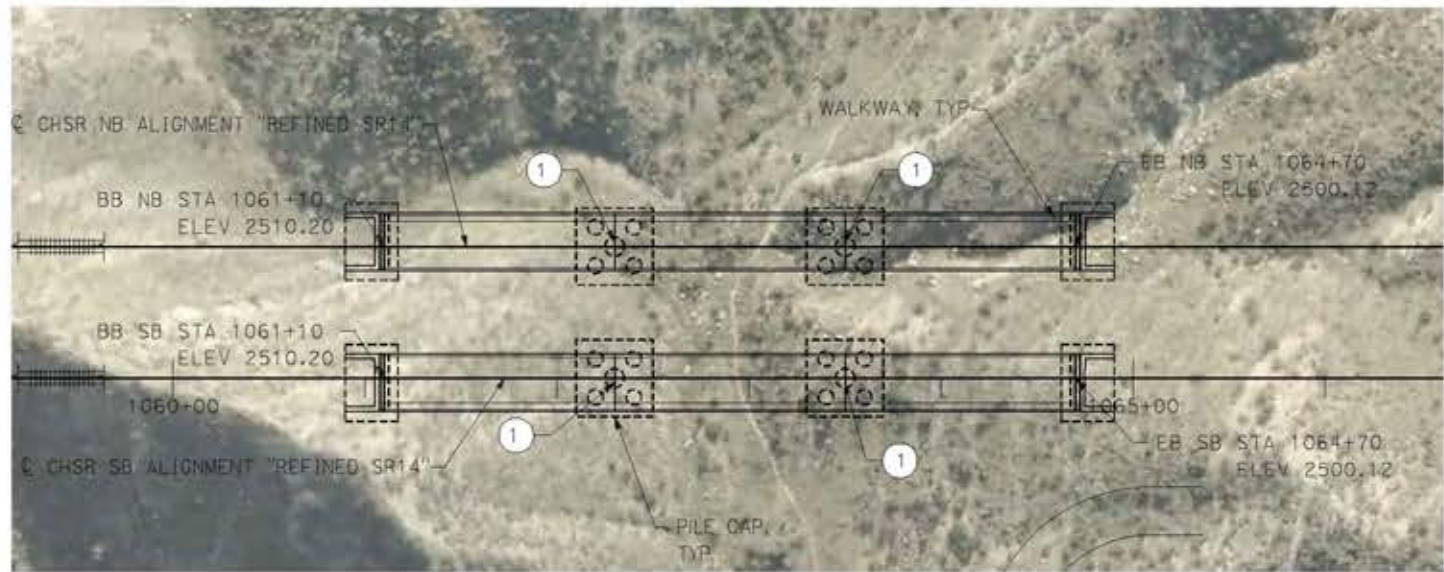
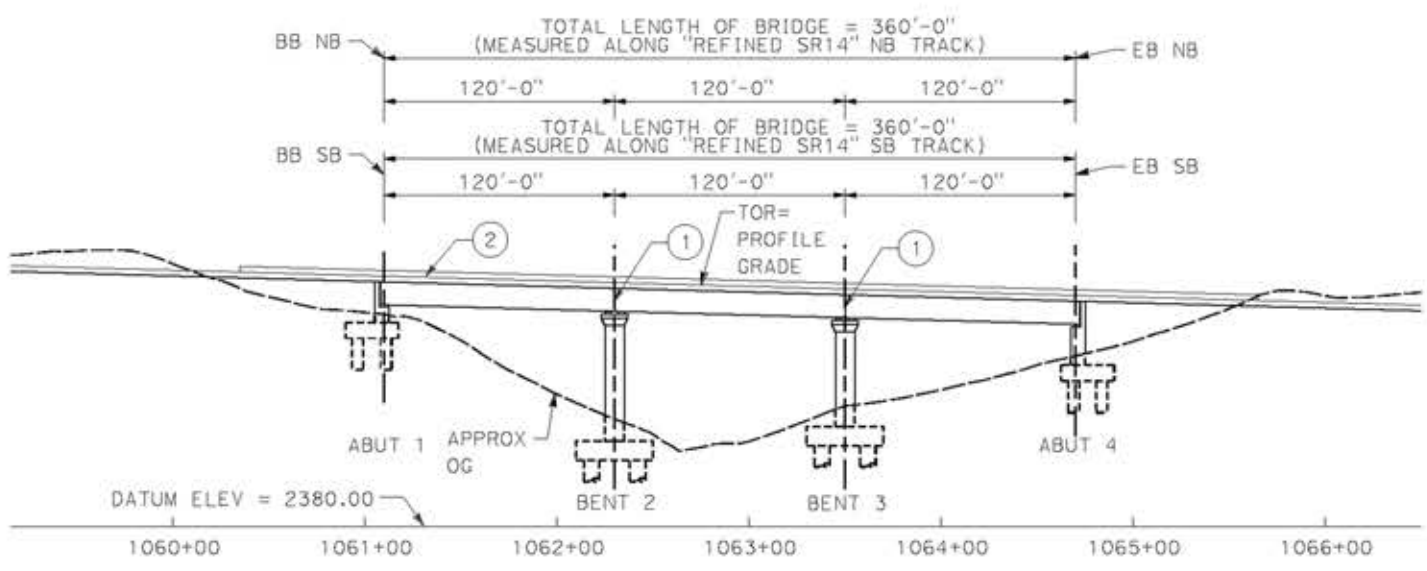
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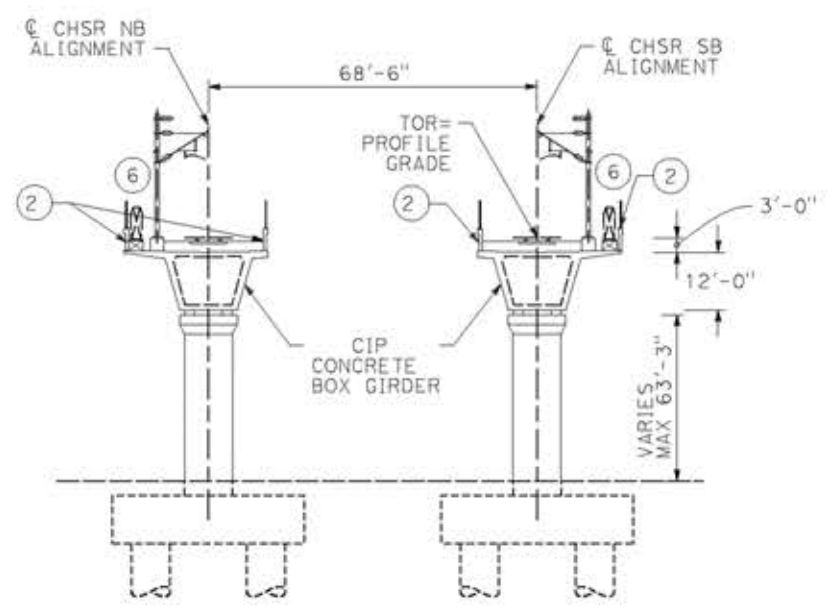
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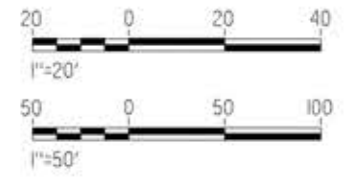


- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - 1 EXPANSION JOINT, TYP
  - 2 CONCRETE BARRIER
  - 3 GUARDRAIL OR PIER PROTECTION WALL
  - 4 NORMALIZING SLAB
  - 5 TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - 6 CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

**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.



**TYPICAL SECTION**  
SCALE: 1"=20'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 1060+90 VIADUCT  
GENERAL PLAN

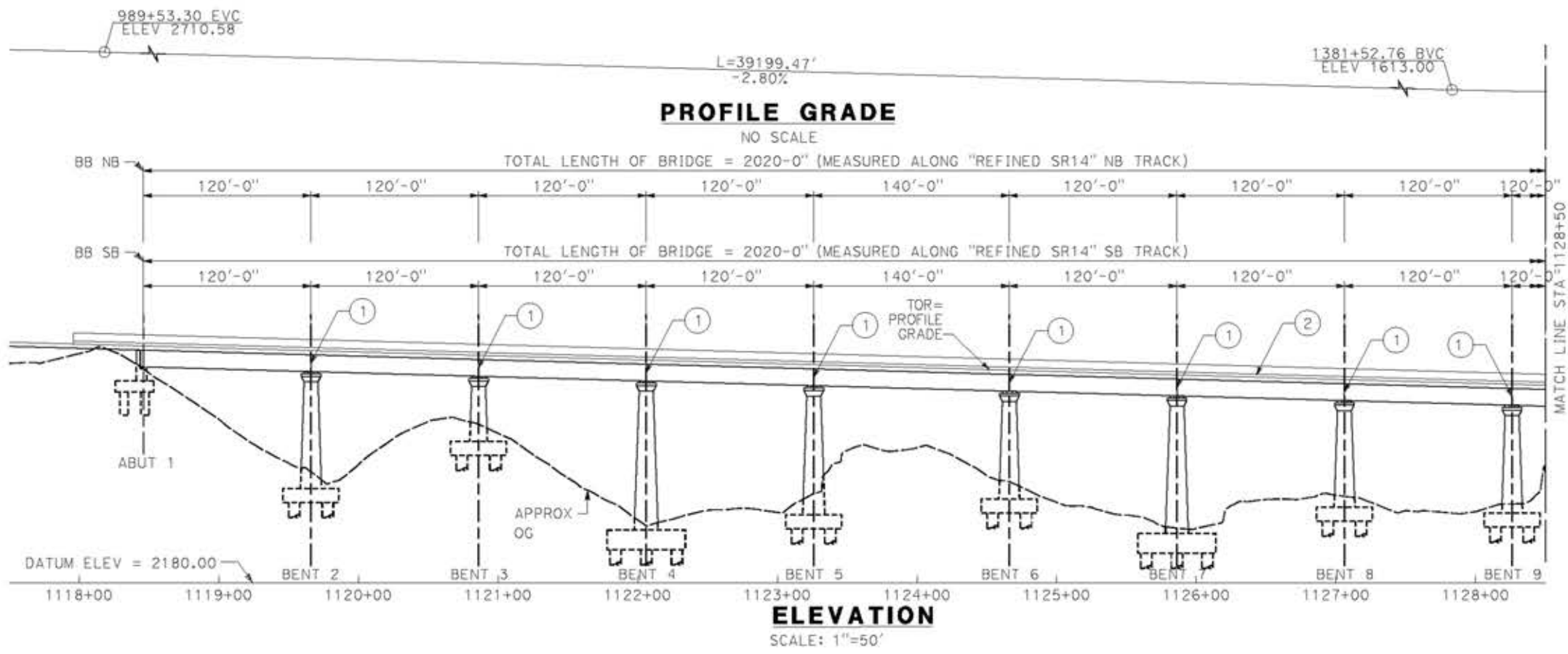
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1016-S14

SCALE  
AS SHOWN

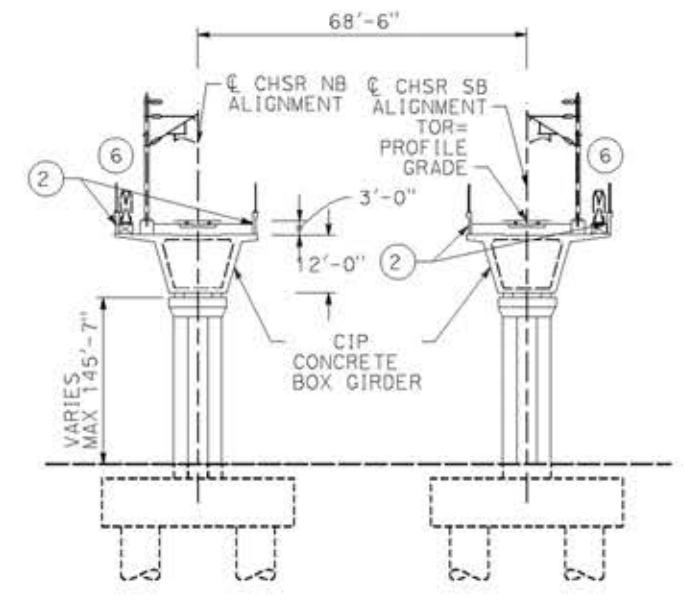
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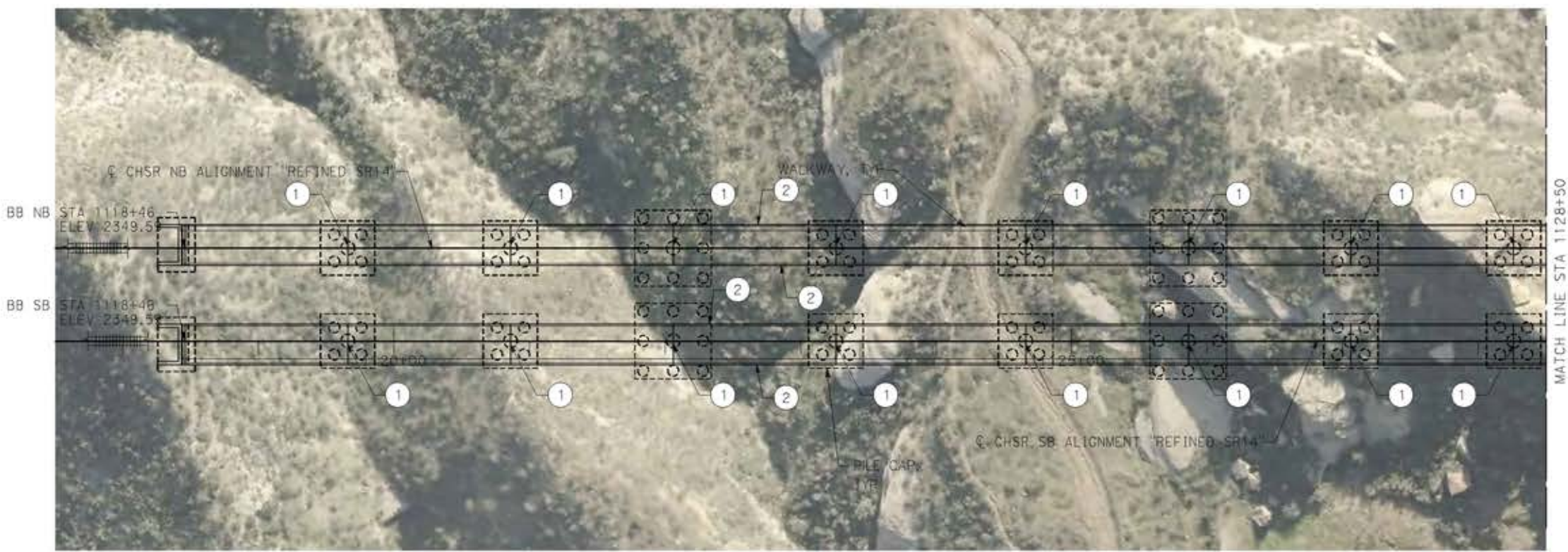


- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

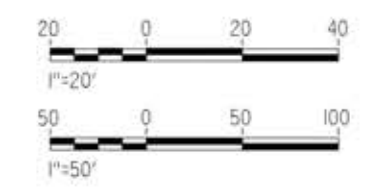
**NOTE:**  
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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



**TYPICAL SECTION**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=50'



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18/05/2021 17:18:43

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 1118+46 VIADUCT  
GENERAL PLAN  
SHEET 1 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1017-S14

SCALE  
AS SHOWN

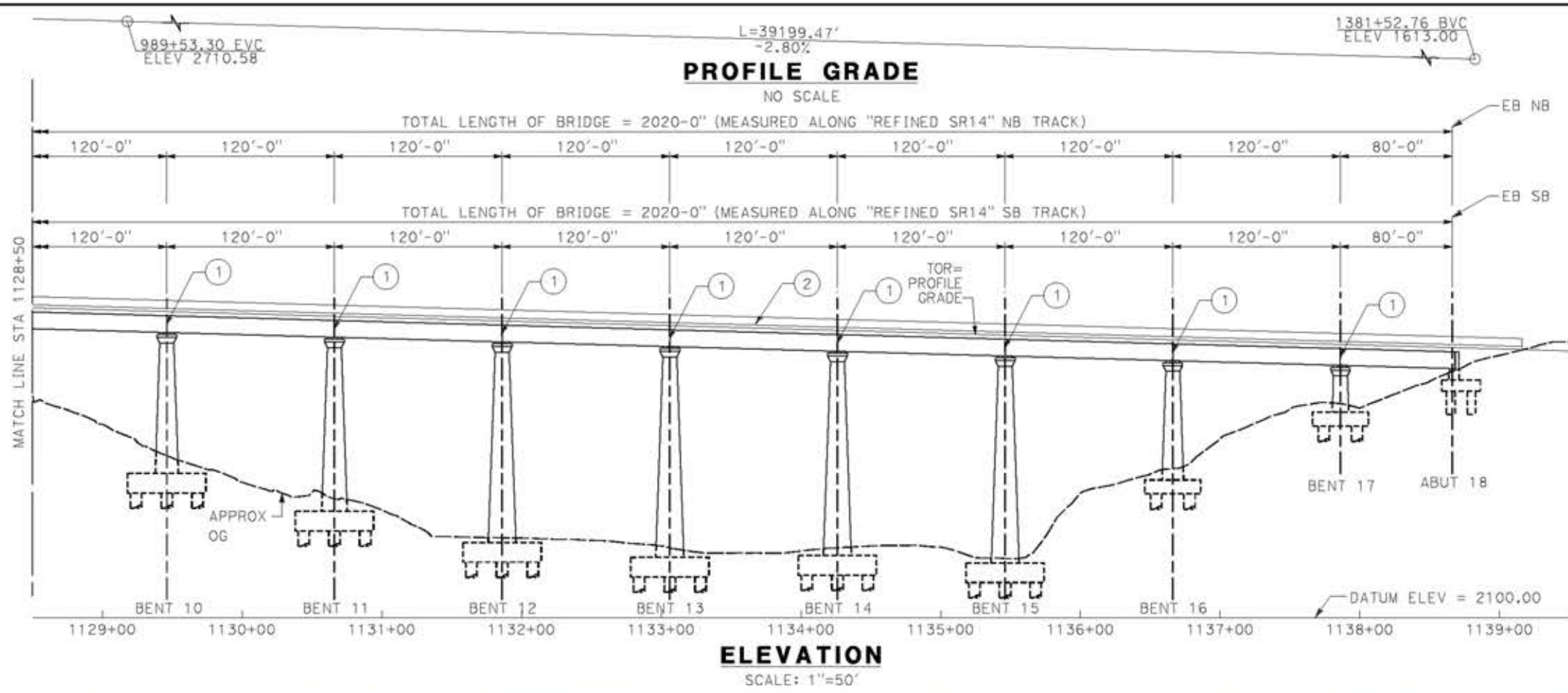
SHEET NO.



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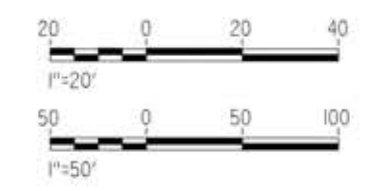
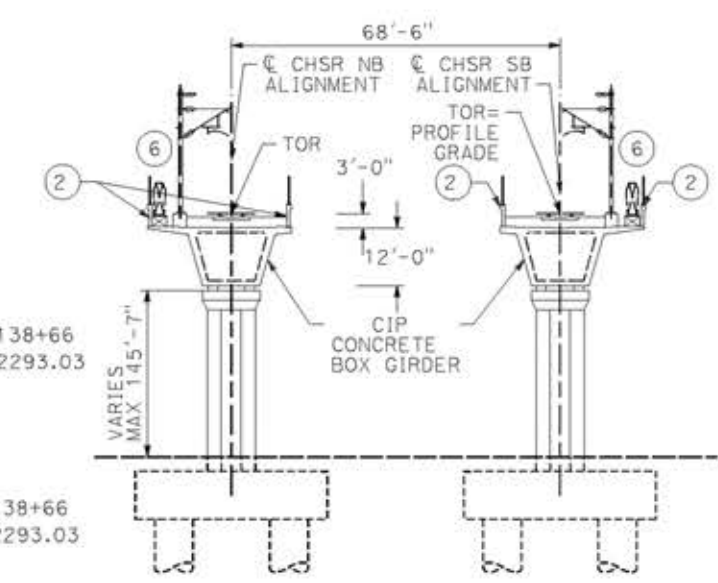
18/05/2021 17:19:15

0204814



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

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.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

PEPD RECORD SET  
REV 02

NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 1118+46 VIADUCT  
GENERAL PLAN  
SHEET 2 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1018-S14

SCALE  
AS SHOWN

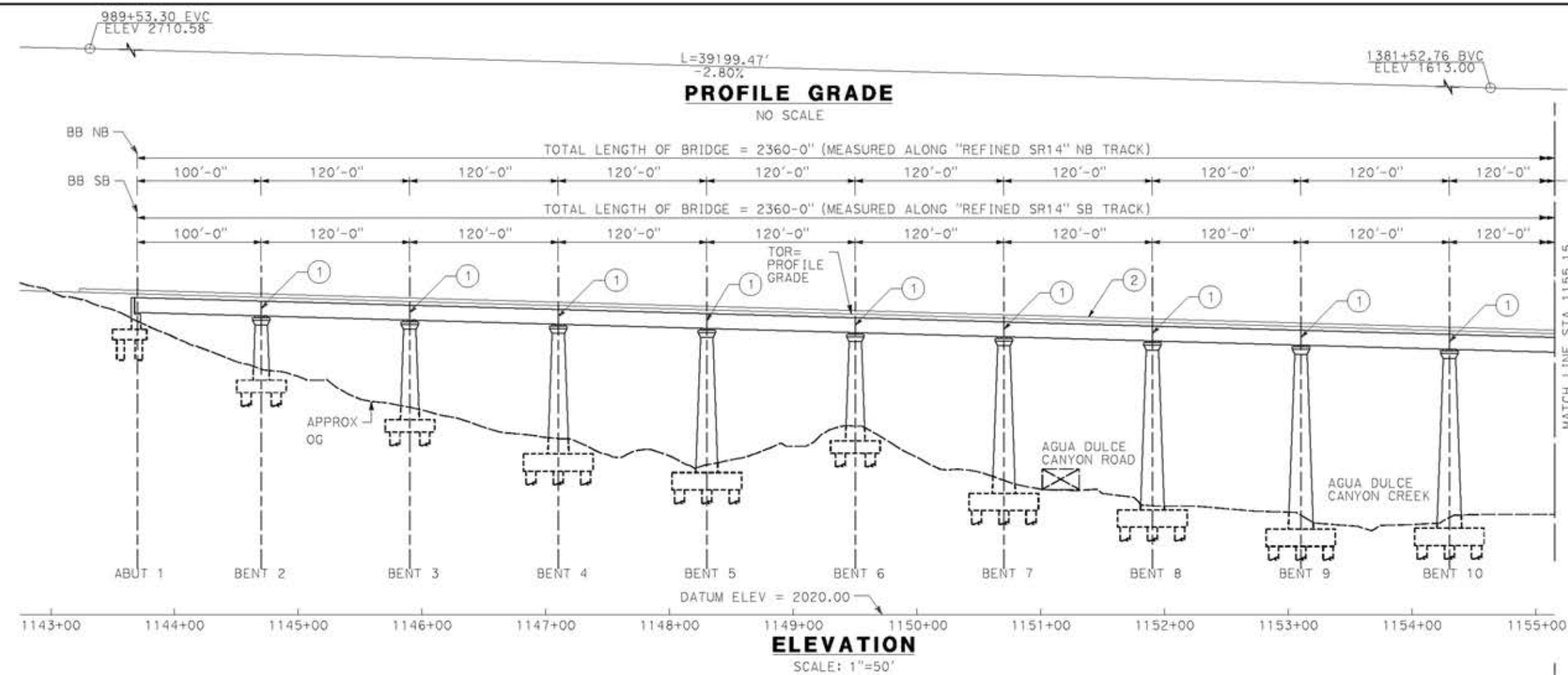
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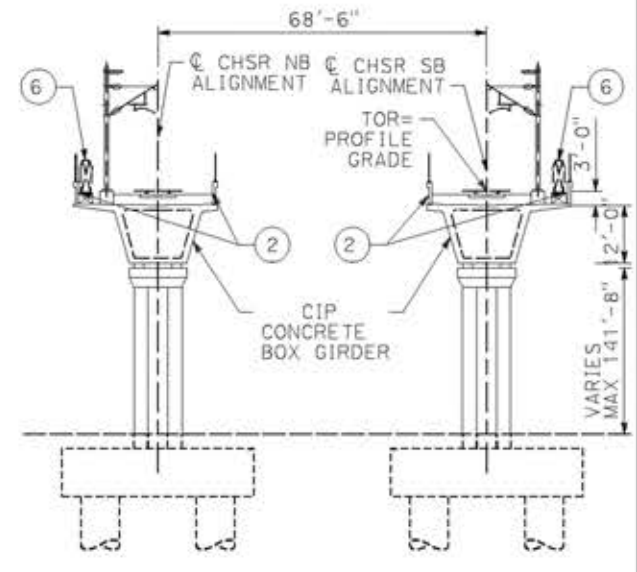
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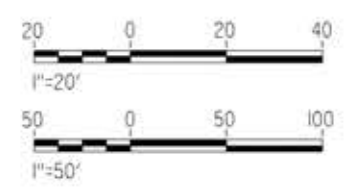


- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
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NOTE: ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED 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.



**TYPICAL SECTION**  
SCALE: 1"=20'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

PEPD RECORD SET  
REV 02

NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
AGUA DULCE VIADUCT  
GENERAL PLAN  
SHEET 1 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1019-S14

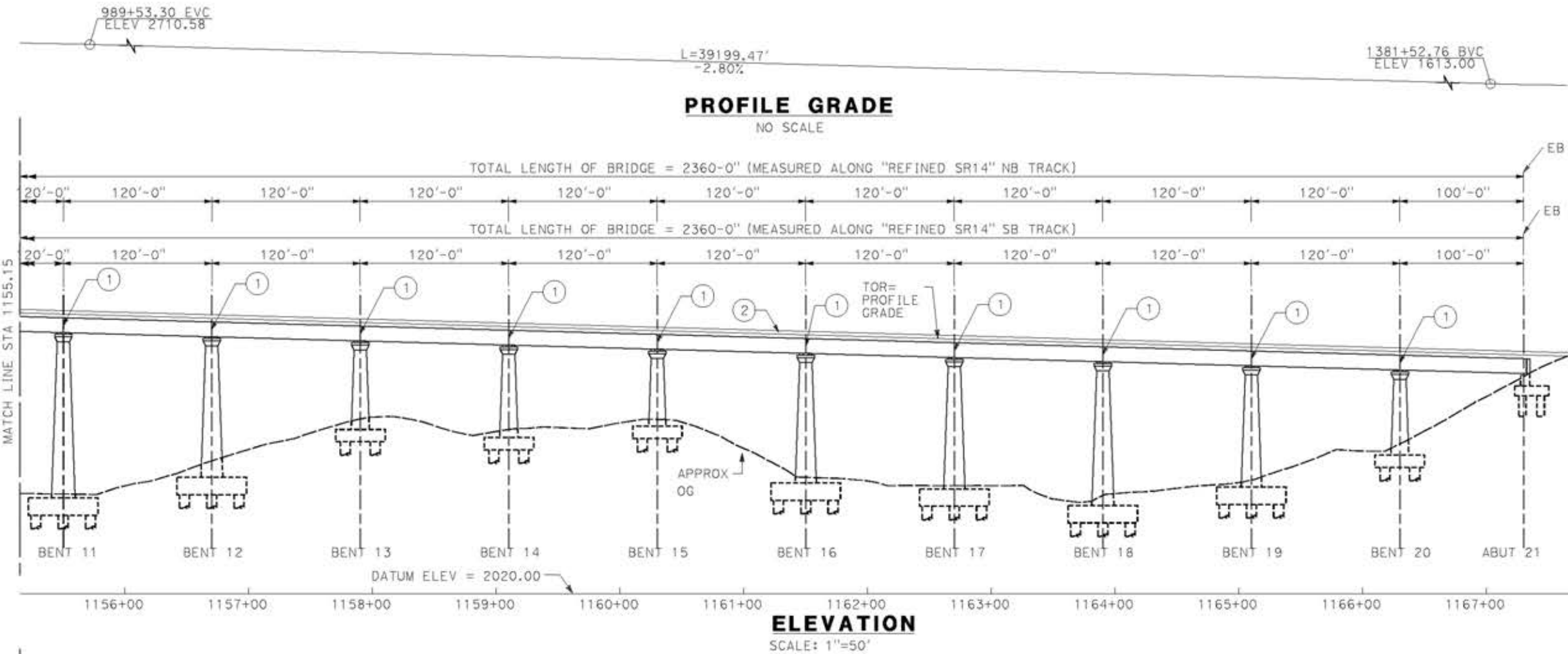
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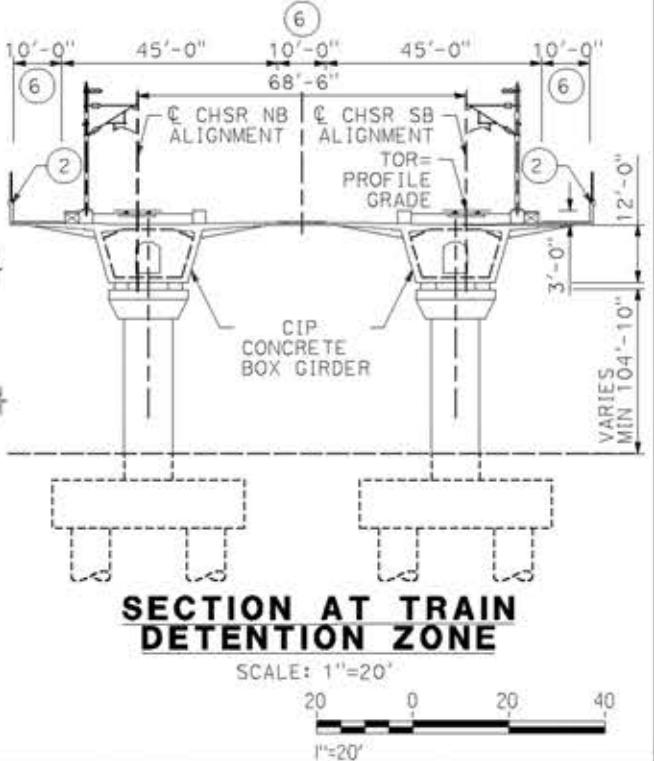
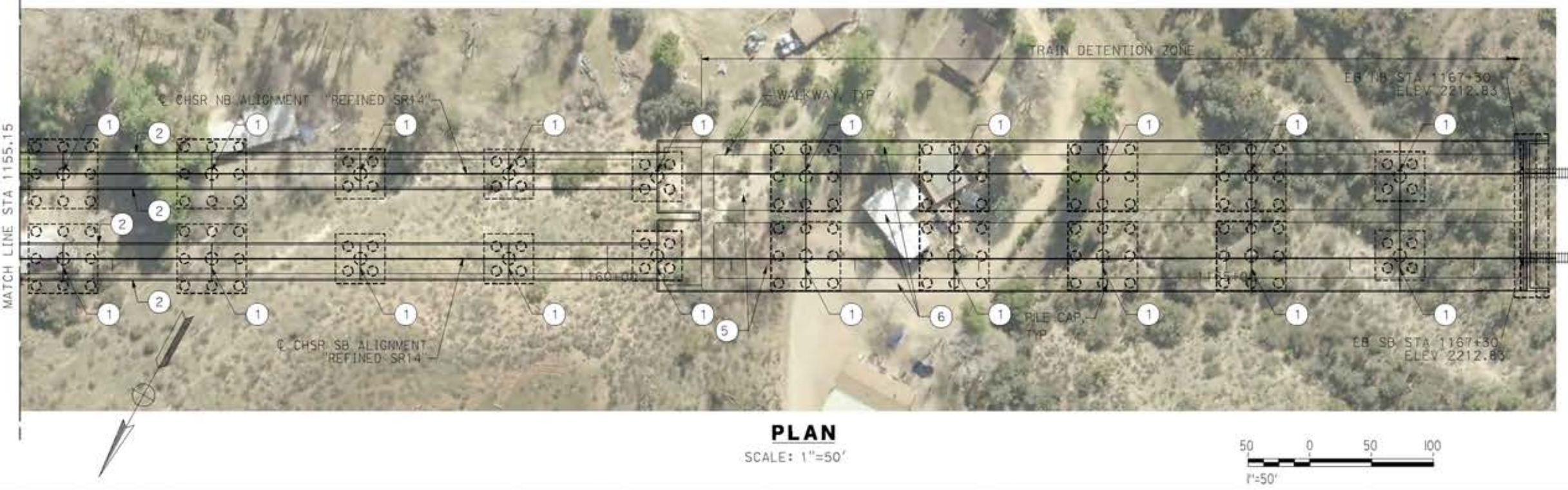
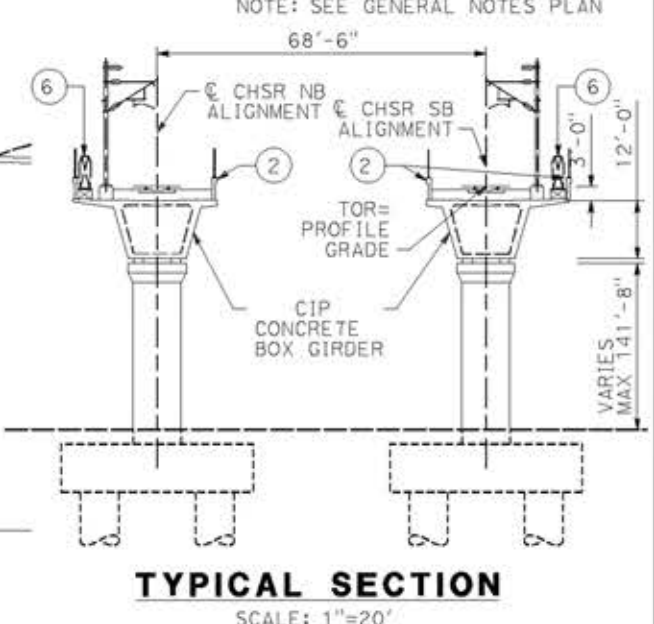


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18/05/2021 17:20:22



- 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: SEE GENERAL NOTES PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
AGUA DULCE VIADUCT  
GENERAL PLAN  
SHEET 2 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1020-S14

SCALE  
AS SHOWN

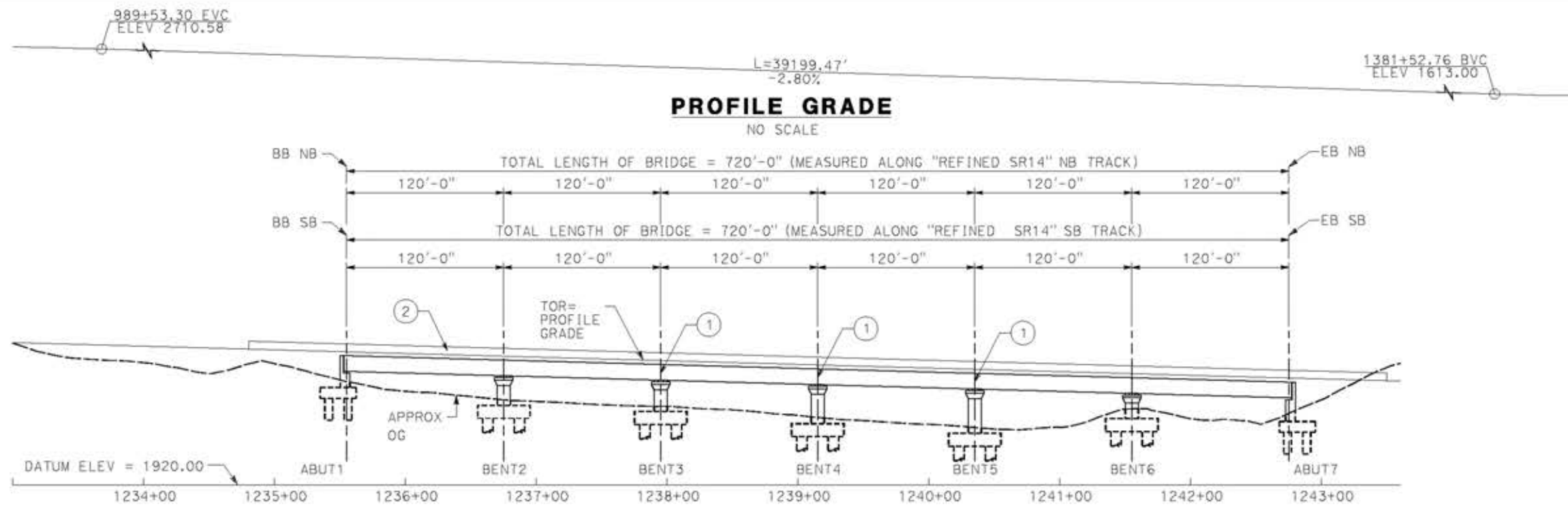
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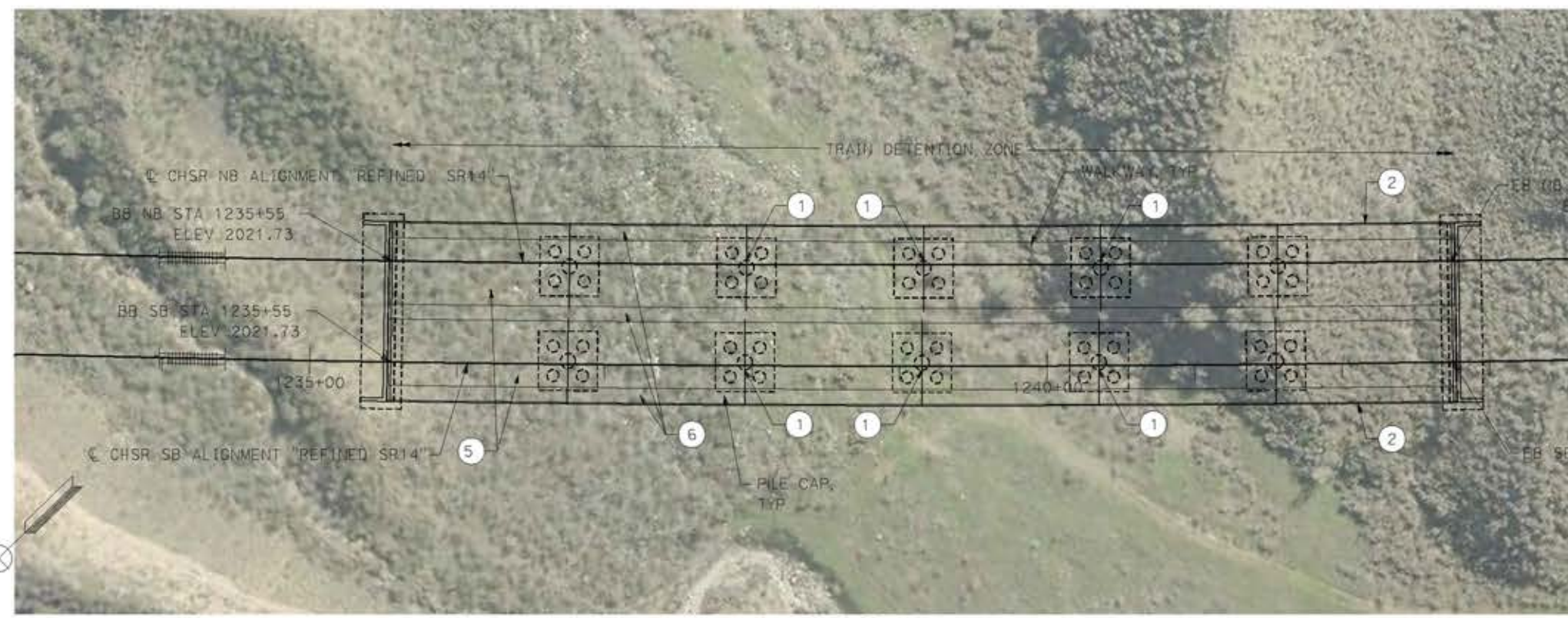
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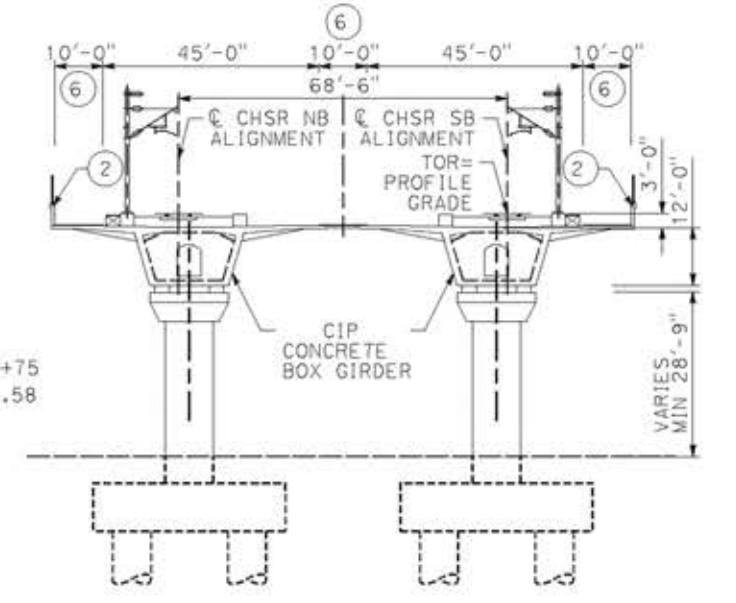
**ELEVATION**  
SCALE: 1"=50'

- 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:**  
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.



**PLAN**  
SCALE: 1"=50'



**TYPICAL SECTION**  
SCALE: 1"=20'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
ST 1235+35 VIADUCT  
GENERAL PLAN

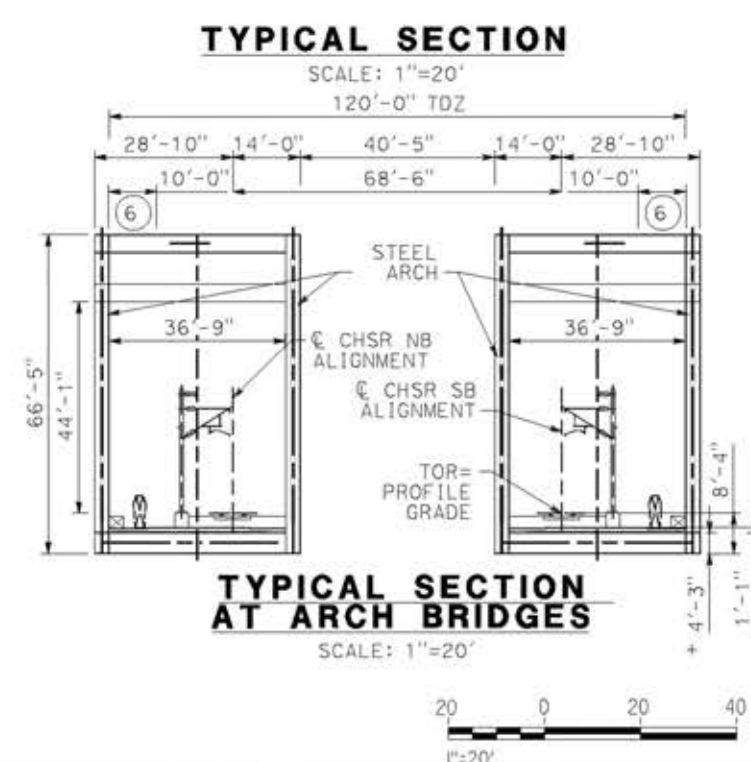
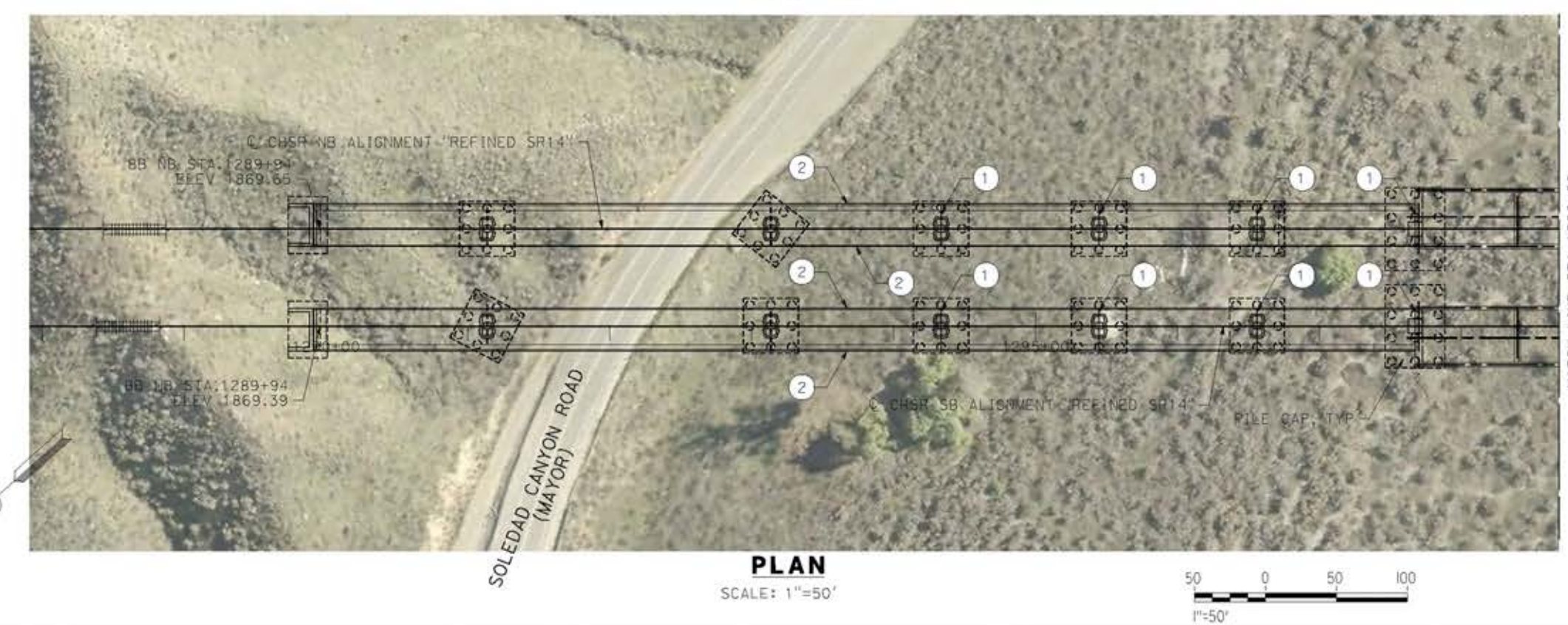
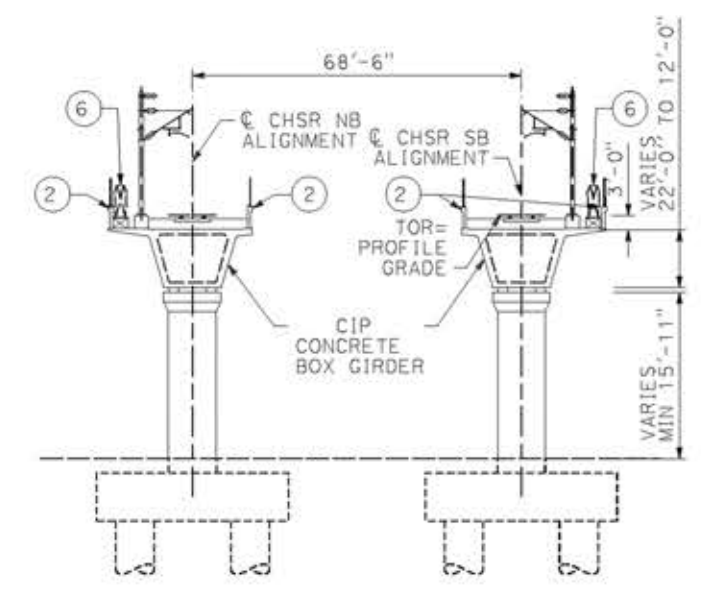
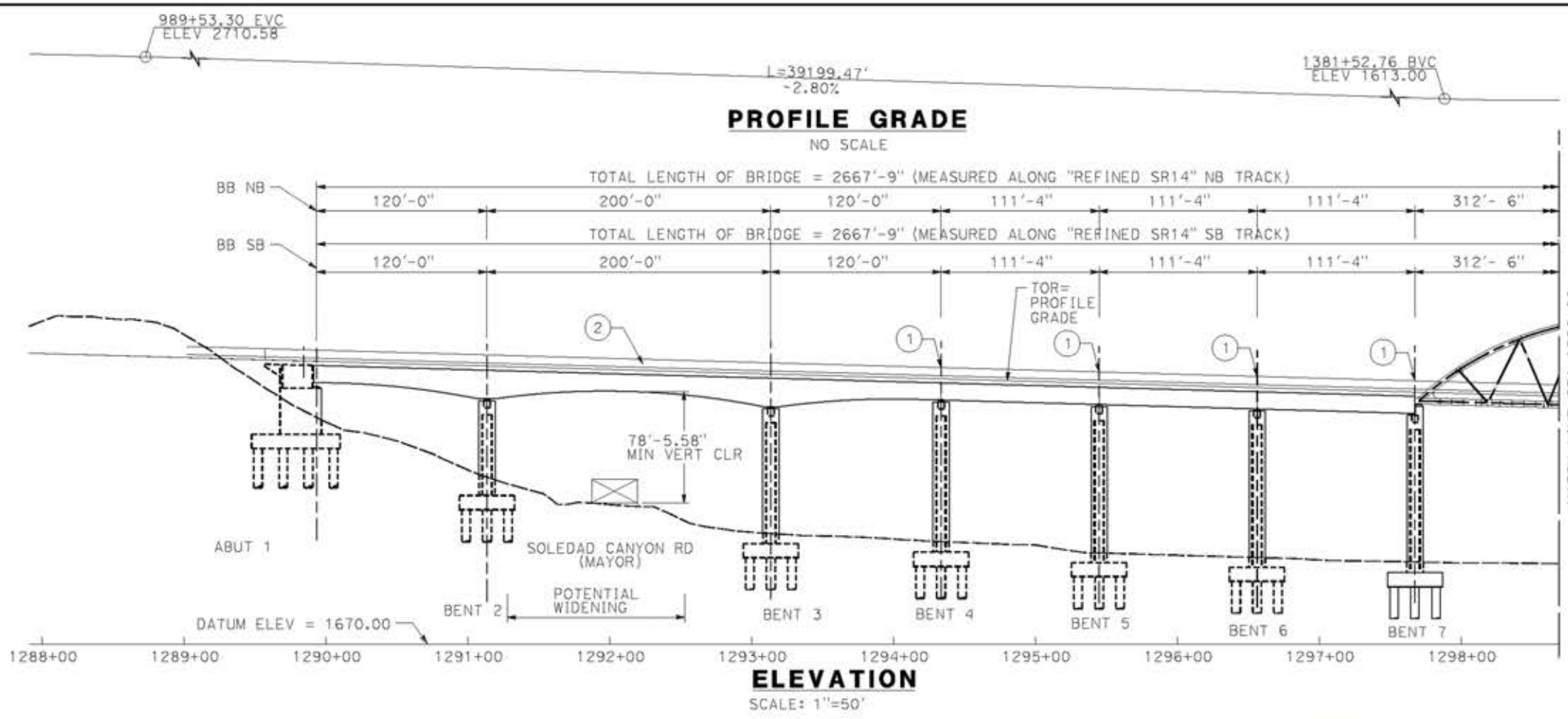
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HSR14-42  
DRAWING NO.  
ST-J1021-S14  
SCALE  
AS SHOWN  
SHEET NO.



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18/05/2021 17:21:17

0204814



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**  
 DRAWN BY  
**J. LOPEZ**  
 CHECKED BY  
**J. REVOLTOS**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

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



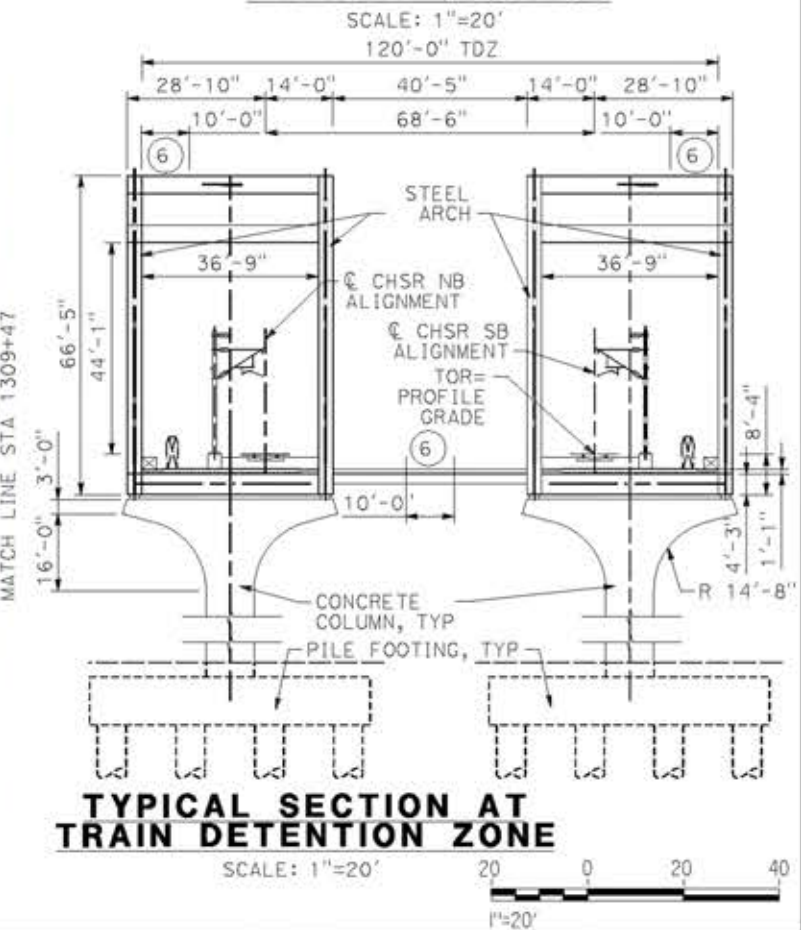
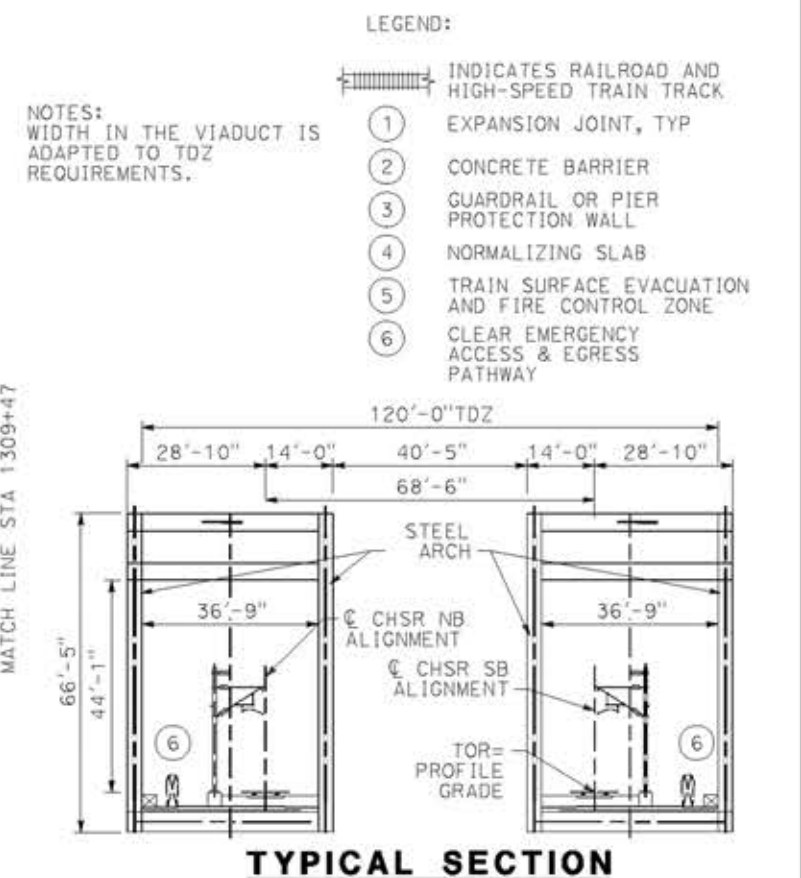
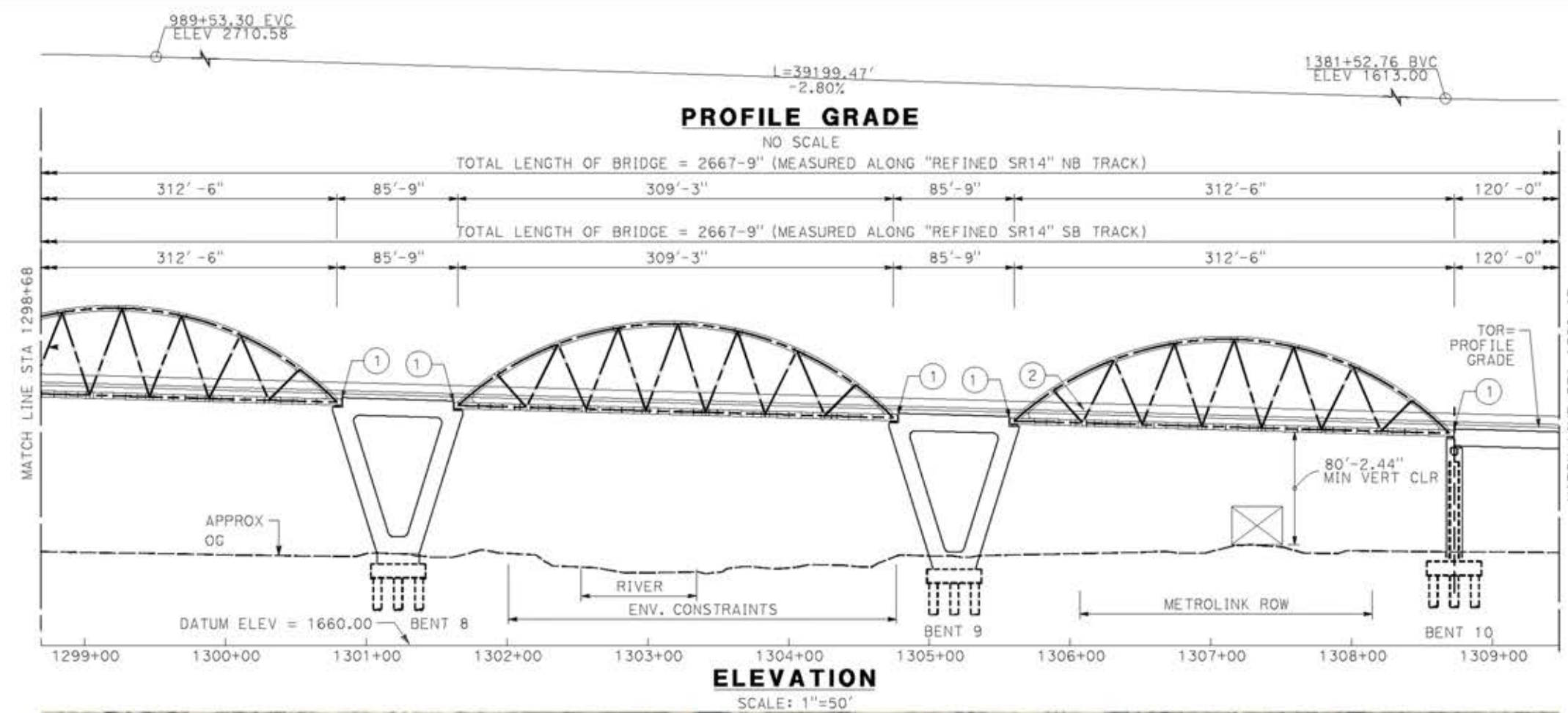
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**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
 SANTA CLARA VIADUCT  
 GENERAL PLAN  
 SHEET 1 OF 3

CONTRACT NO.  
HSR14-42  
 DRAWING NO.  
ST-J1022-S14  
 SCALE  
AS SHOWN  
 SHEET NO.



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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  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
SANTA CLARA VIADUCT  
GENERAL PLAN  
SHEET 2 OF 3


CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1023-S14  
SCALE  
AS SHOWN  
SHEET NO.



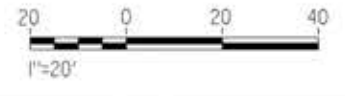
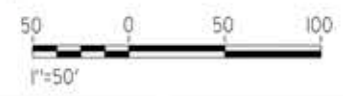
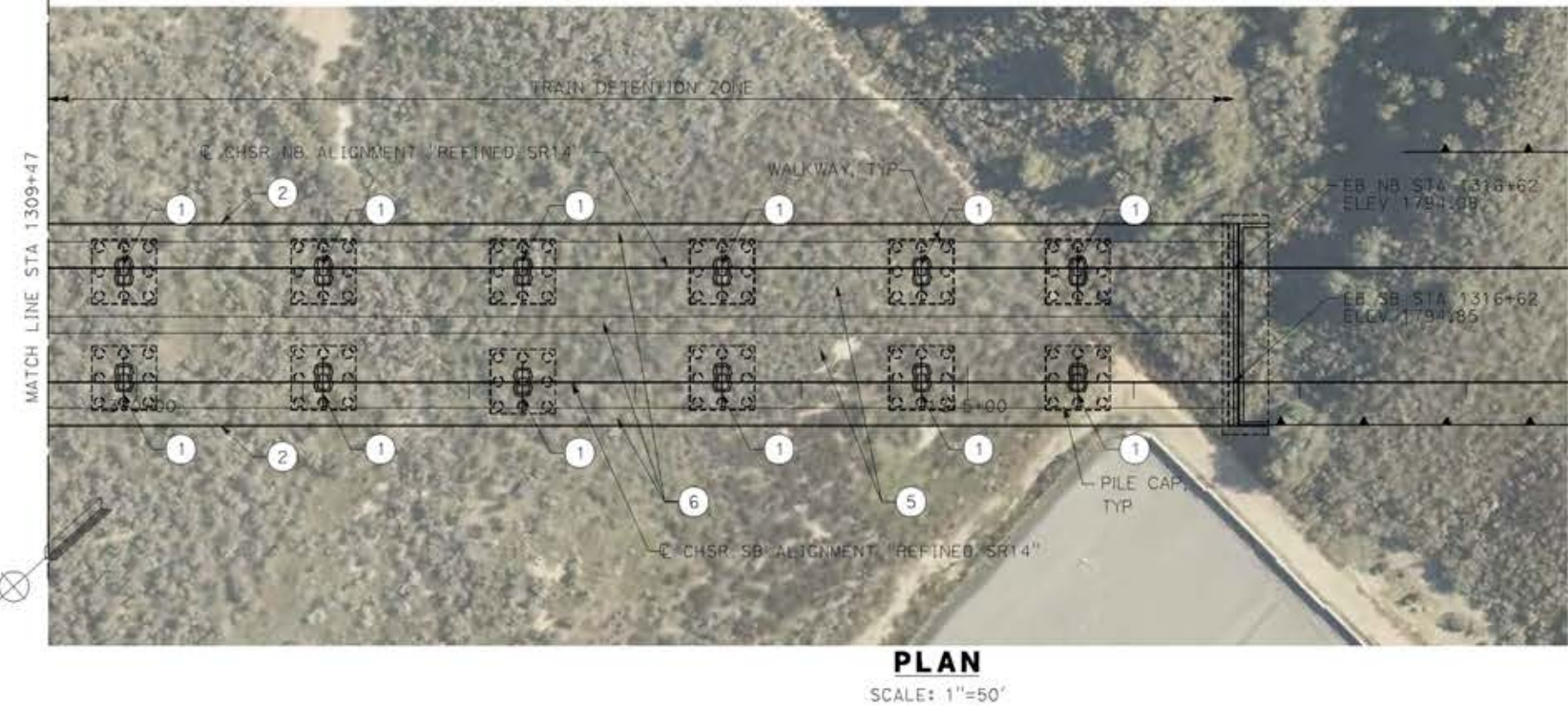
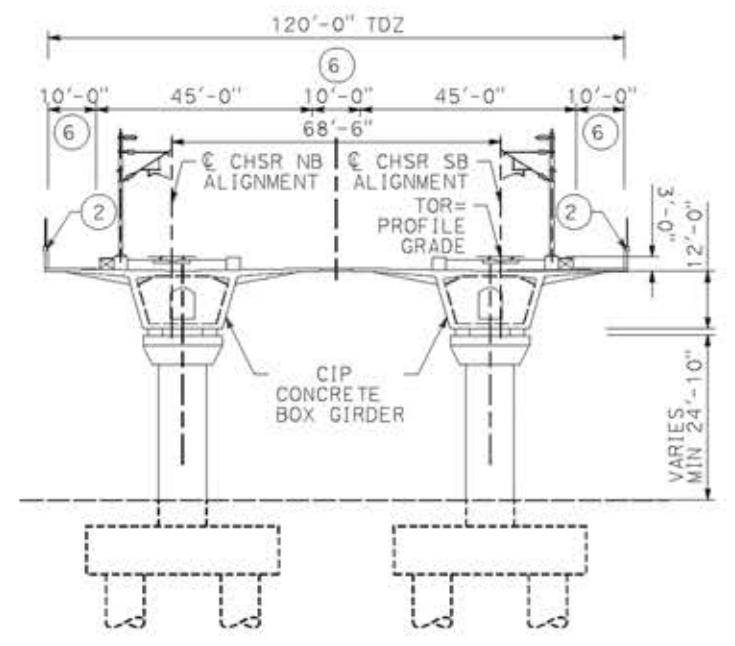
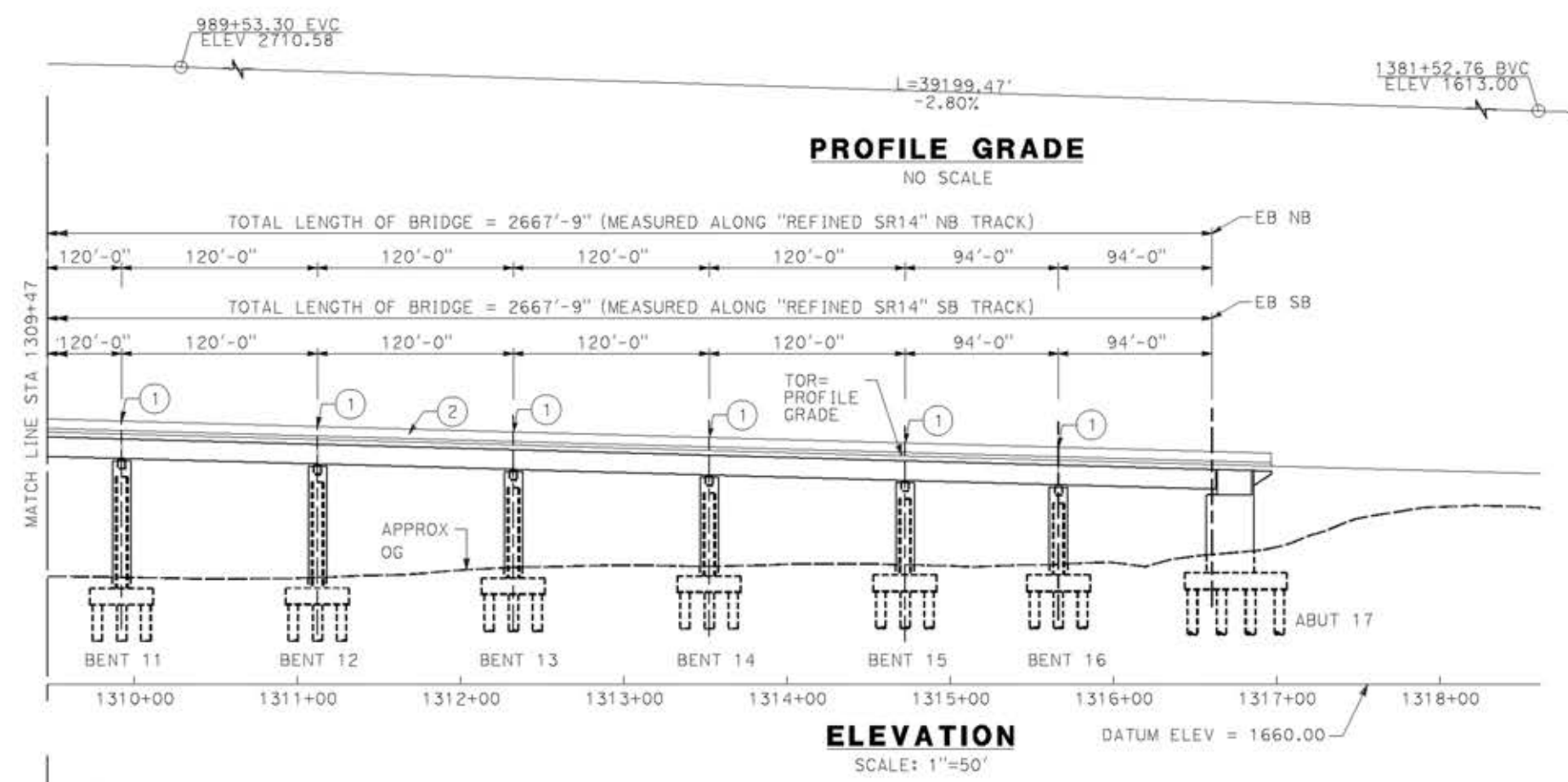
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18/05/2021 17:21:47

0204814

- 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

**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.  
 WIDTH IN THE VIADUCT IS ADAPTED TO TDZ REQUIREMENTS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
 DRAWN BY  
**J.LOPEZ**  
 CHECKED BY  
**J.REVOLTOS**  
 IN CHARGE  
**A.RELAÑO**  
 DATE  
**04/30/2021**

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

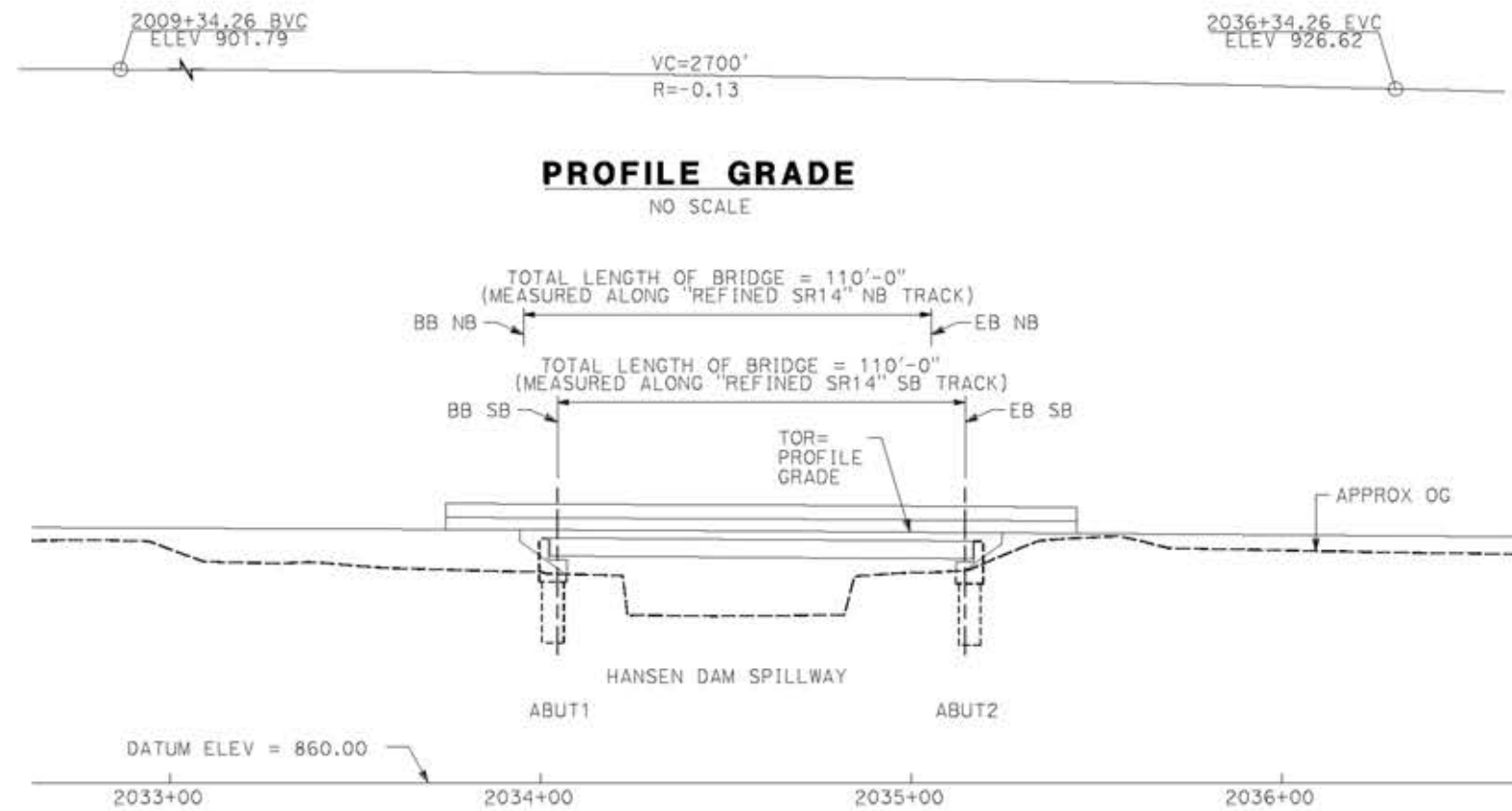


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
 SANTA CLARA VIADUCT  
 GENERAL PLAN  
 SHEET 3 OF 3

CONTRACT NO.  
HSR14-42  
 DRAWING NO.  
ST-J1024-S14  
 SCALE  
AS SHOWN  
 SHEET NO.

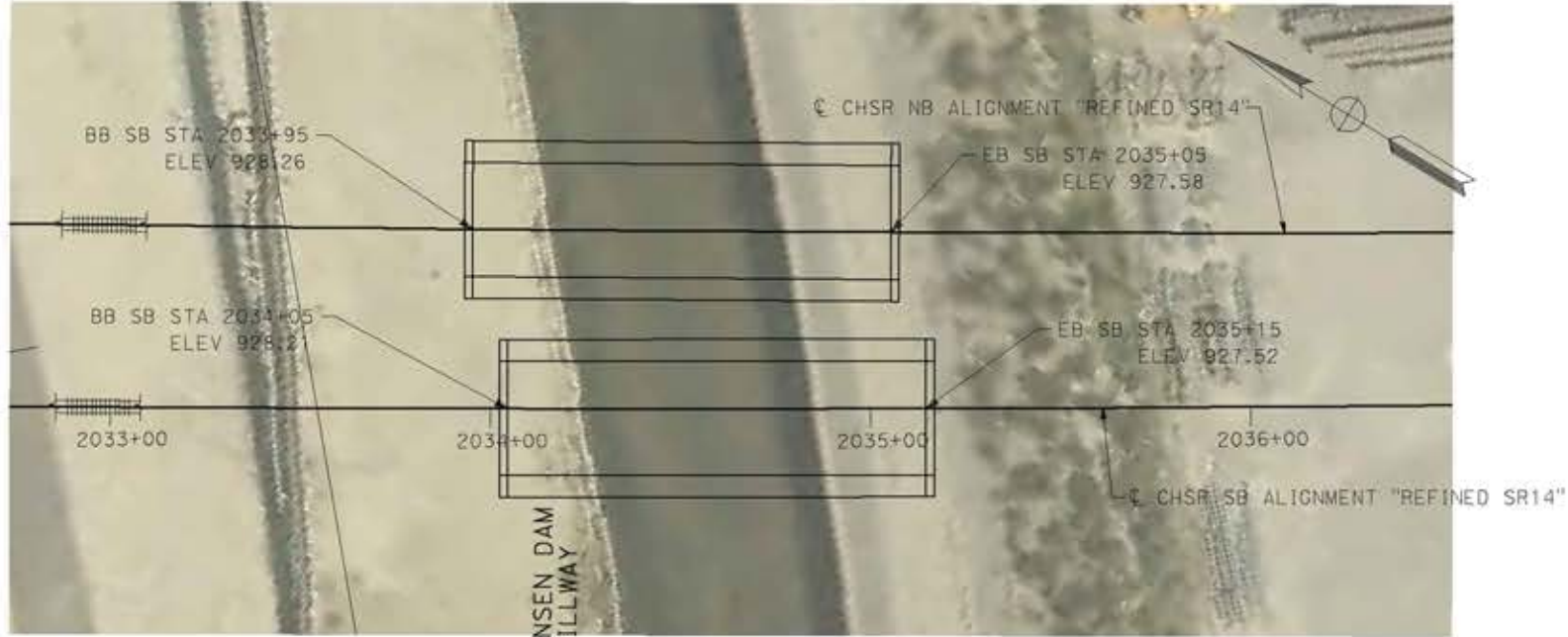


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**PROFILE GRADE**  
NO SCALE

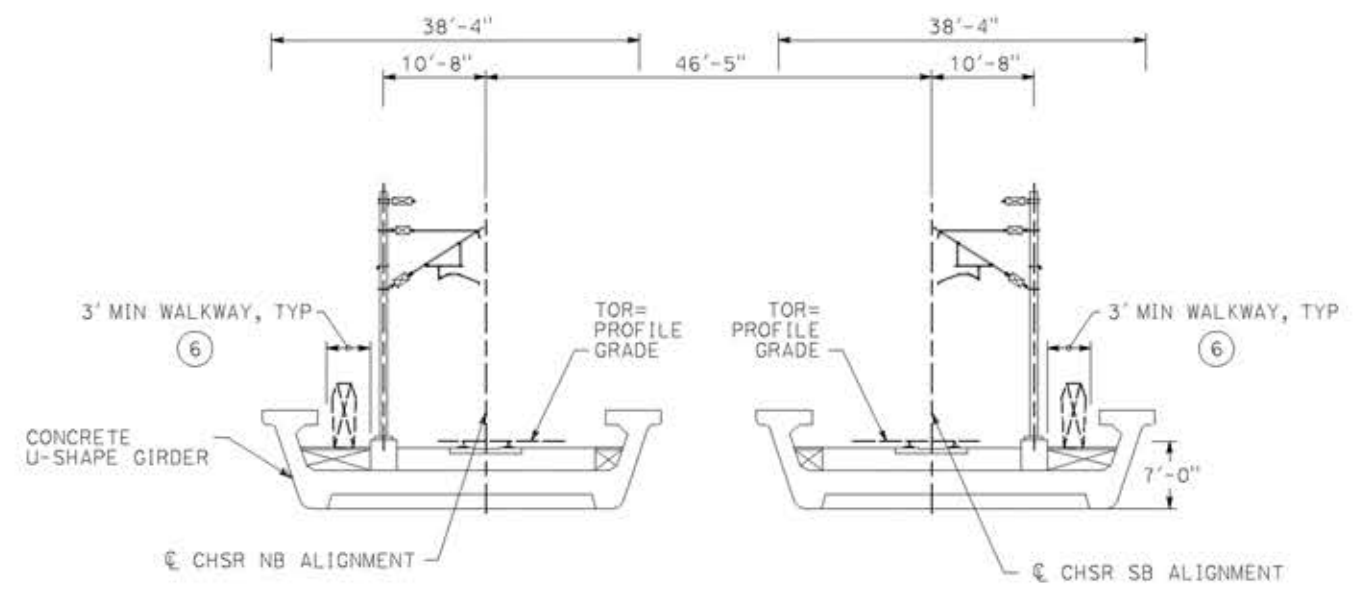
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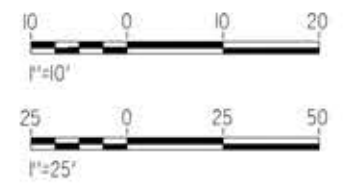
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
HANSEN DAM SPILLWAY VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

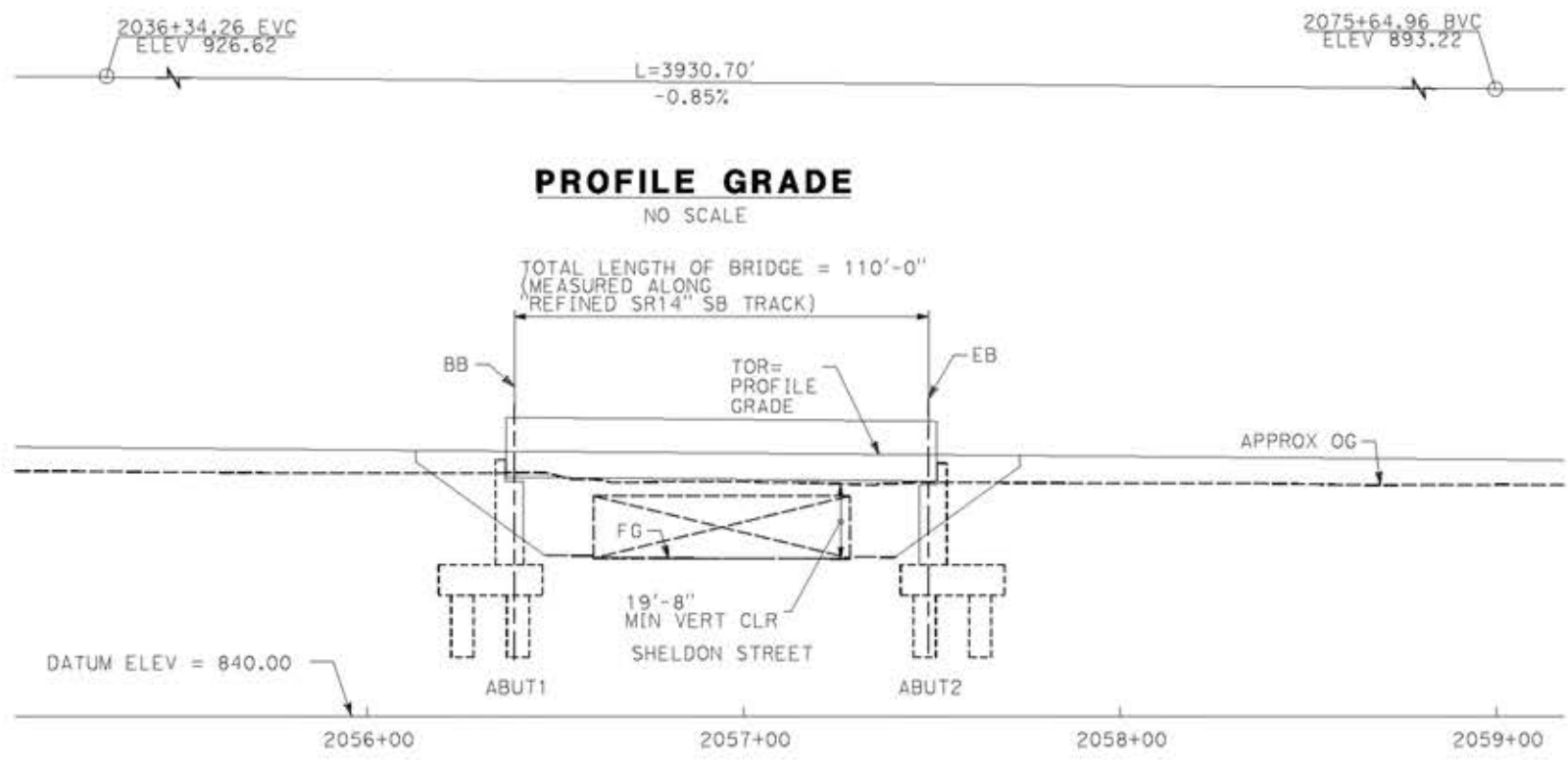
DRAWING NO.  
ST-J1025-S14

SCALE  
AS SHOWN

SHEET NO.

0204814



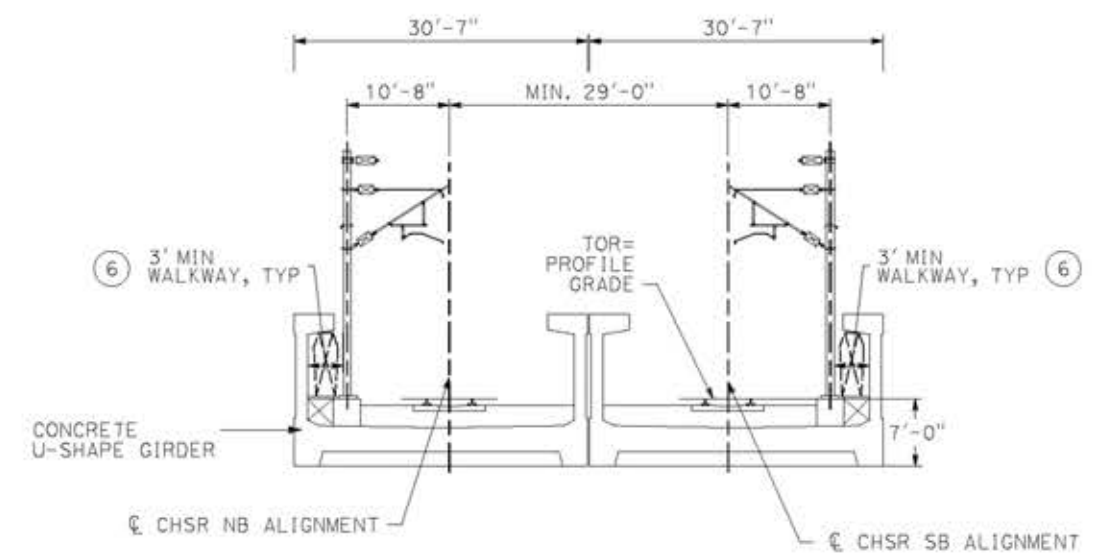


**PROFILE GRADE**  
NO SCALE

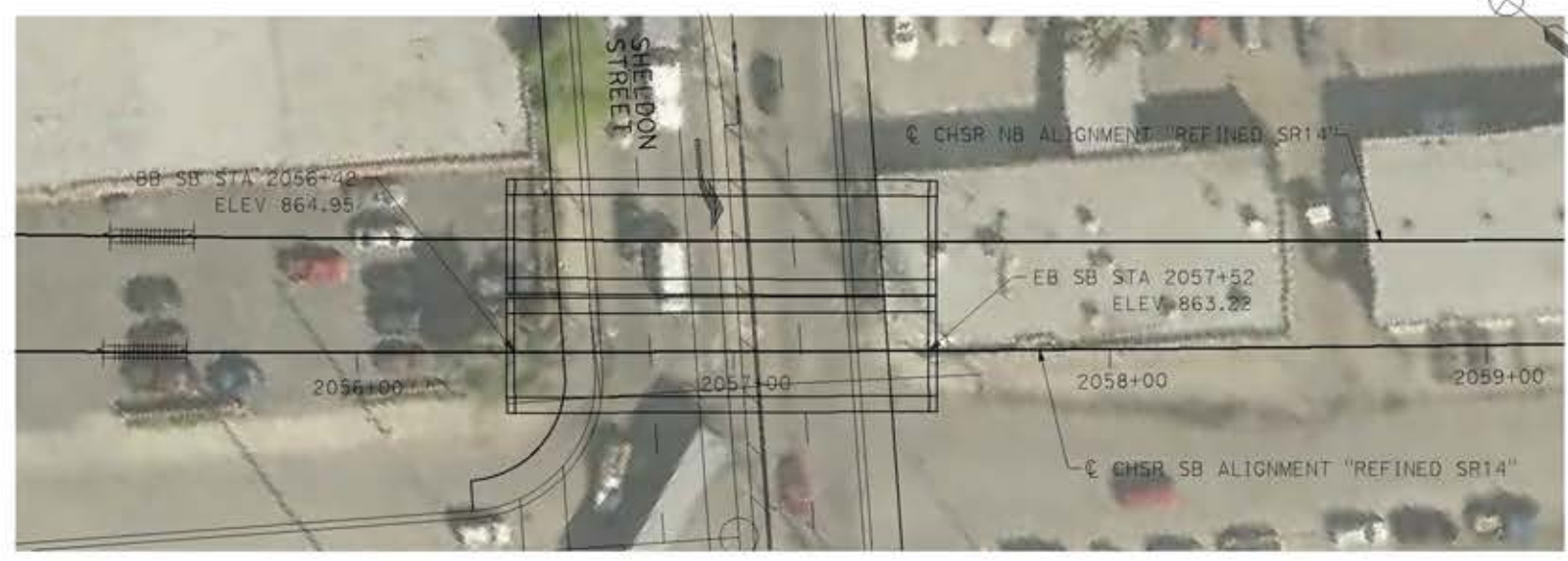
**ELEVATION**  
SCALE: 1"=25'

**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.

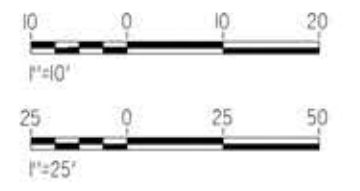
- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



**PLAN**  
SCALE: 1"=25'



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14/05/2021 9:26:21

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
SHELDON STREET VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1026-S14

SCALE  
AS SHOWN

SHEET NO.



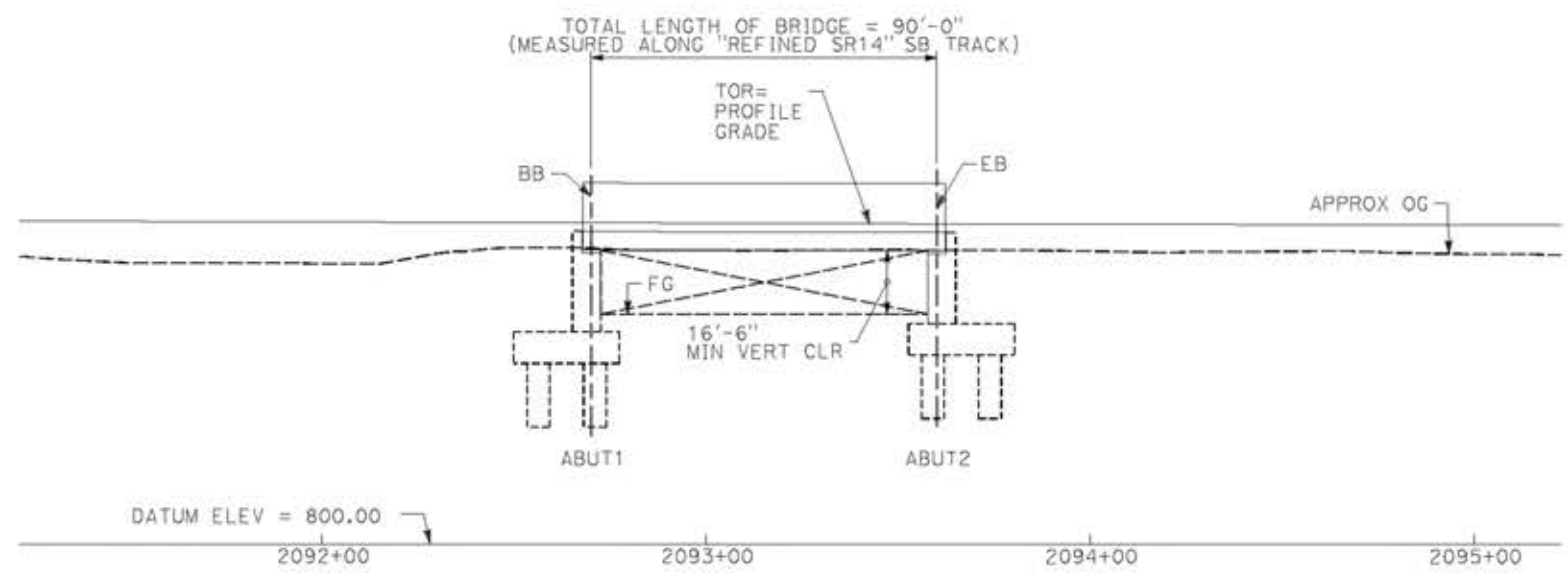
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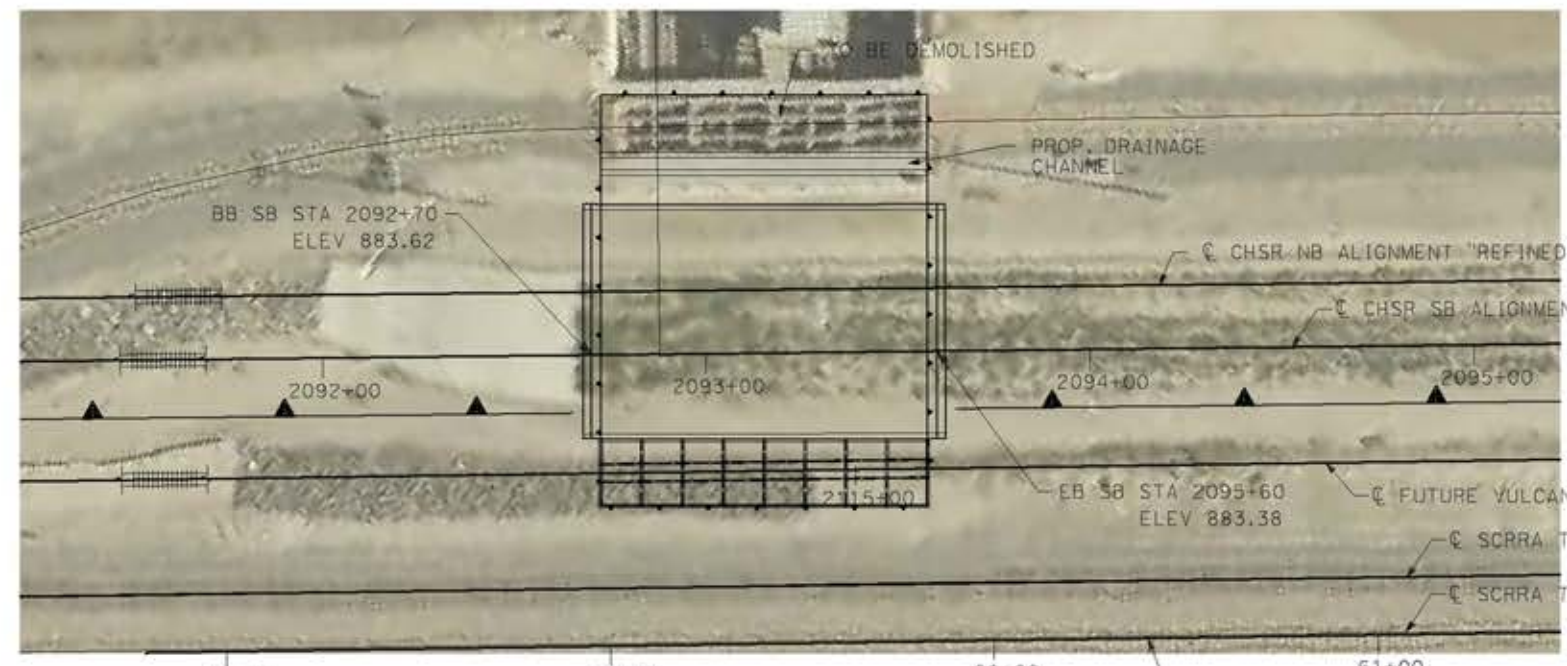
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**PROFILE GRADE**  
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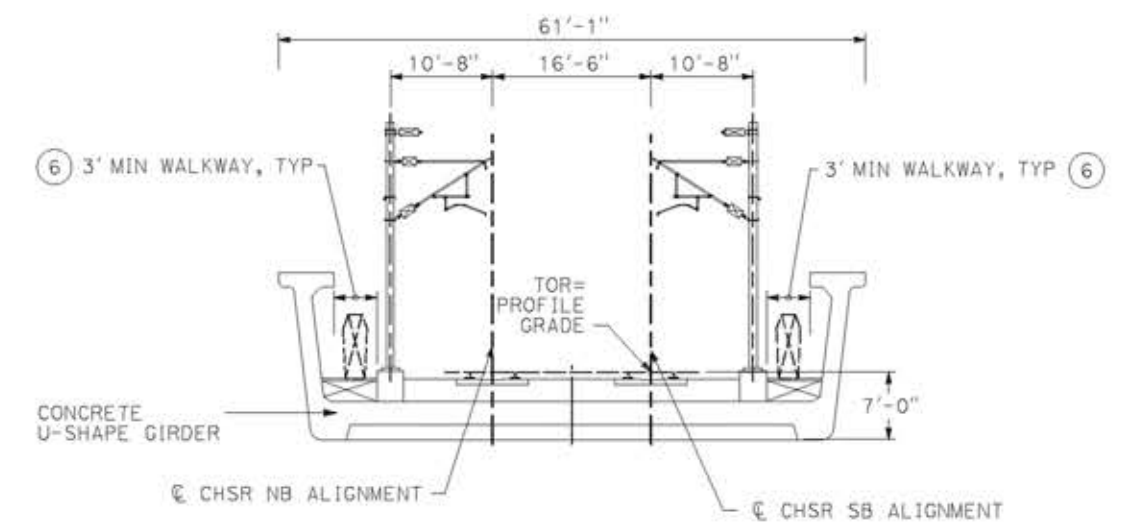
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SCALE: 1"=25'



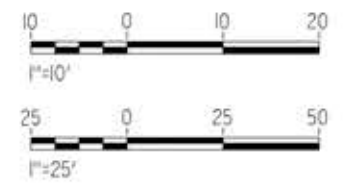
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELARO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
VULCAN MINE HOPPER VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1027-S14  
SCALE  
AS SHOWN  
SHEET NO.



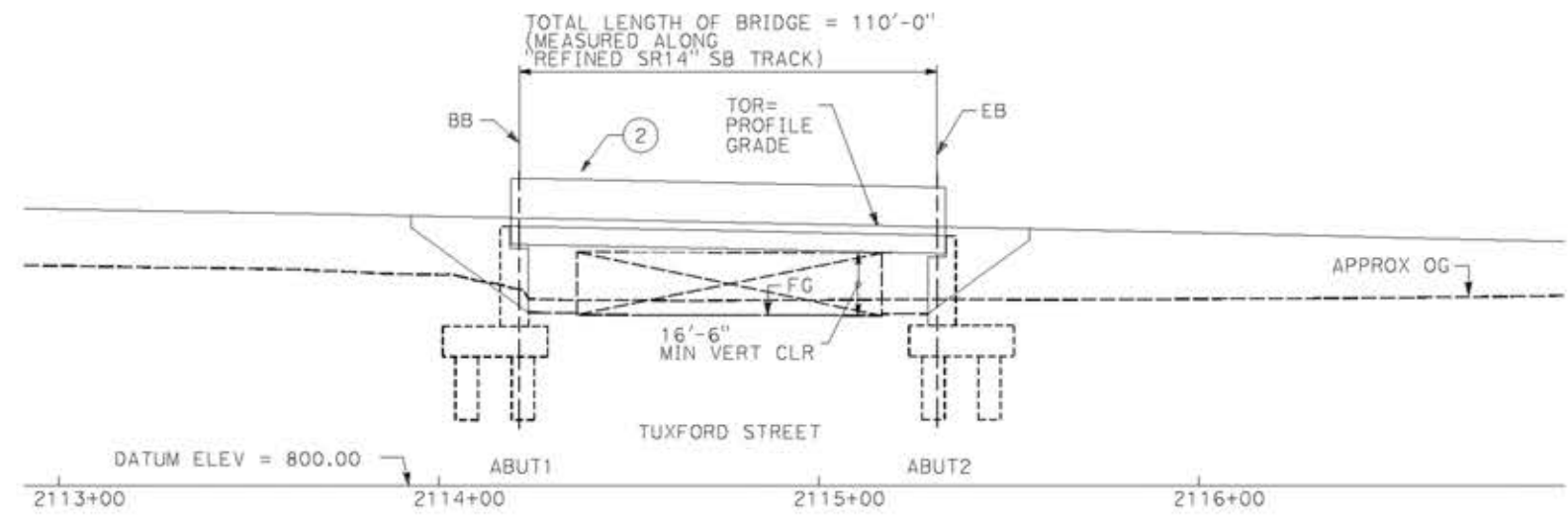
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14/05/2021 9:27:06

0204814



**PROFILE GRADE**  
NO SCALE



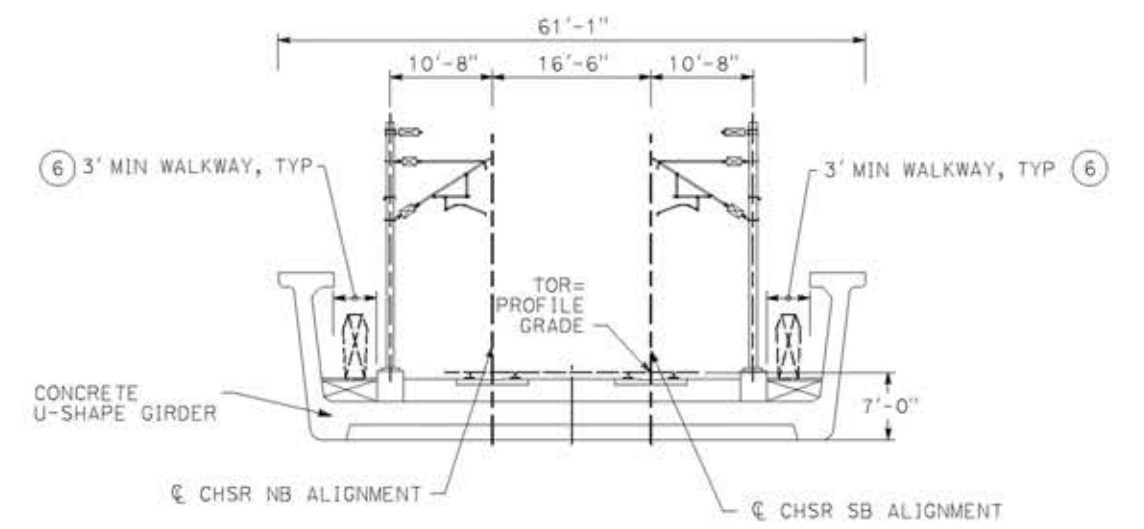
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SCALE: 1"=25'



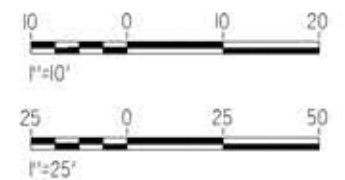
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
TUXFORD STREET VIADUCT  
GENERAL PLAN

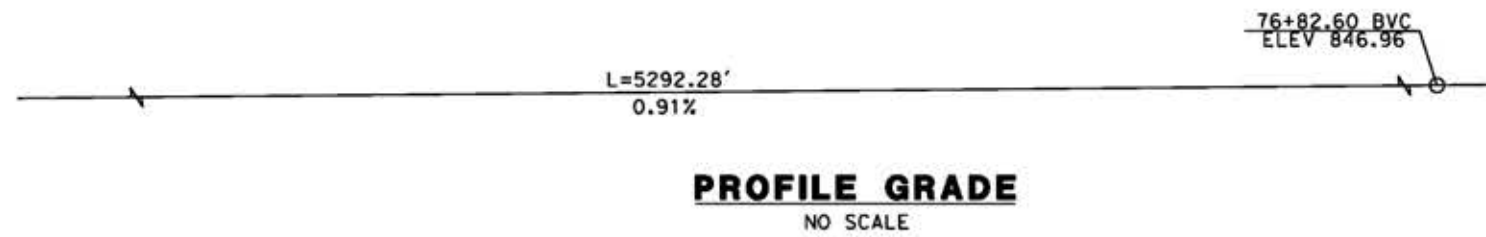
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HSR14-42  
DRAWING NO.  
ST-J1028-S14  
SCALE  
AS SHOWN  
SHEET NO.



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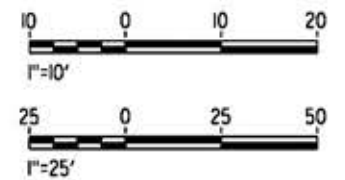
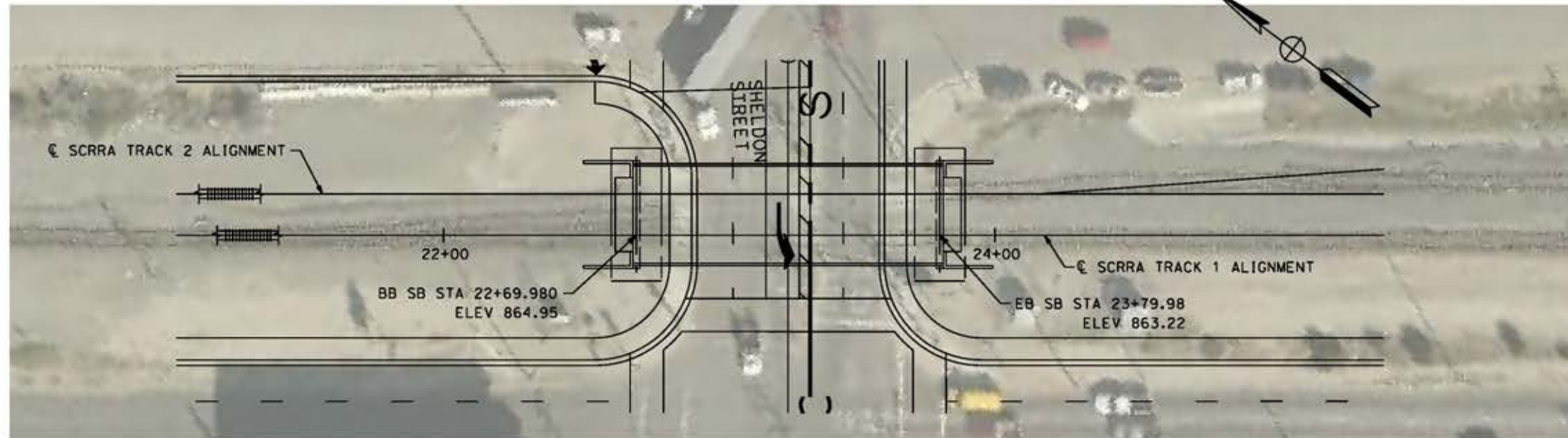
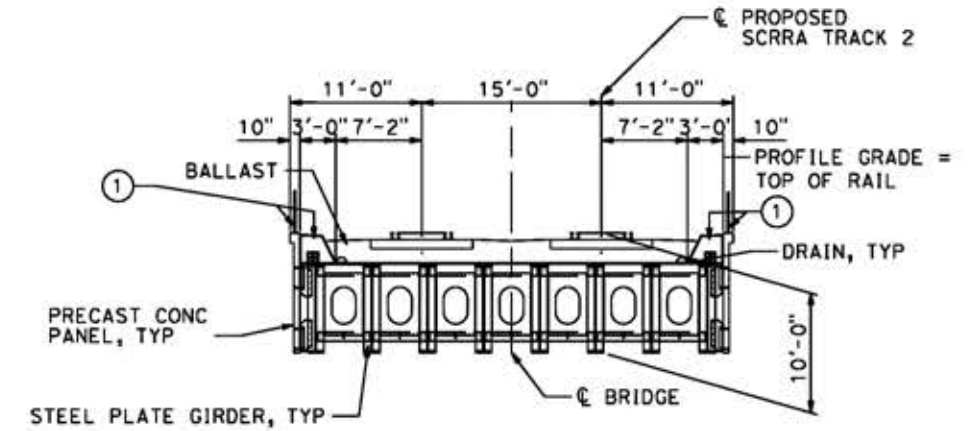
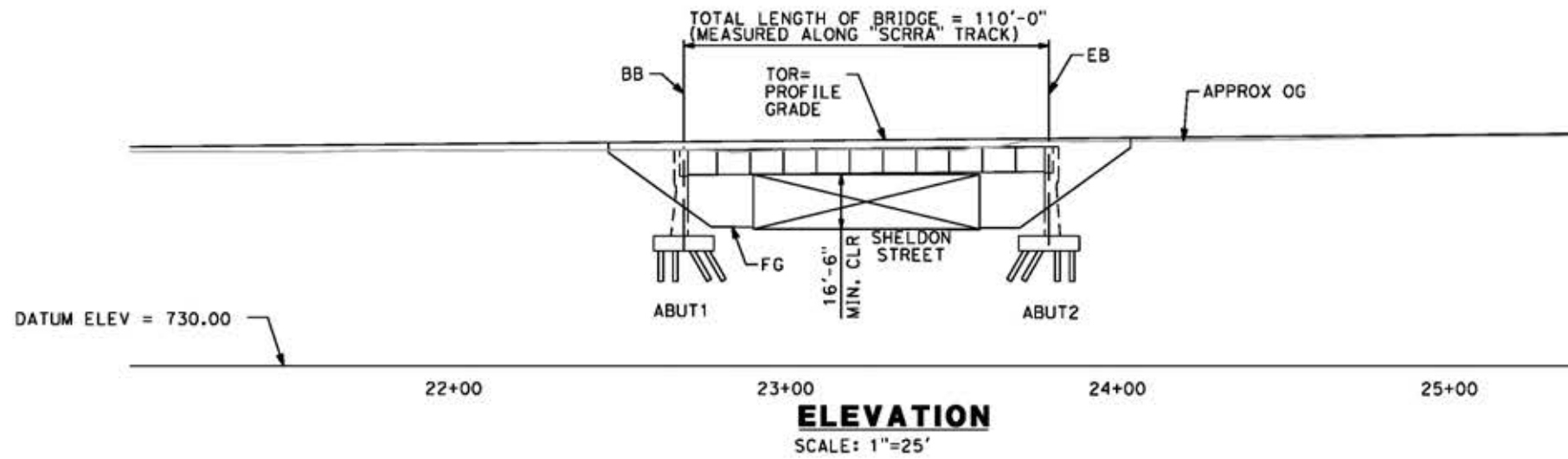
cordo



**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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
A. MOLINA  
 DRAWN BY  
J. LOPEZ  
 CHECKED BY  
J. REVOLTOS  
 IN CHARGE  
A. RELARO  
 DATE  
04/30/2021

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



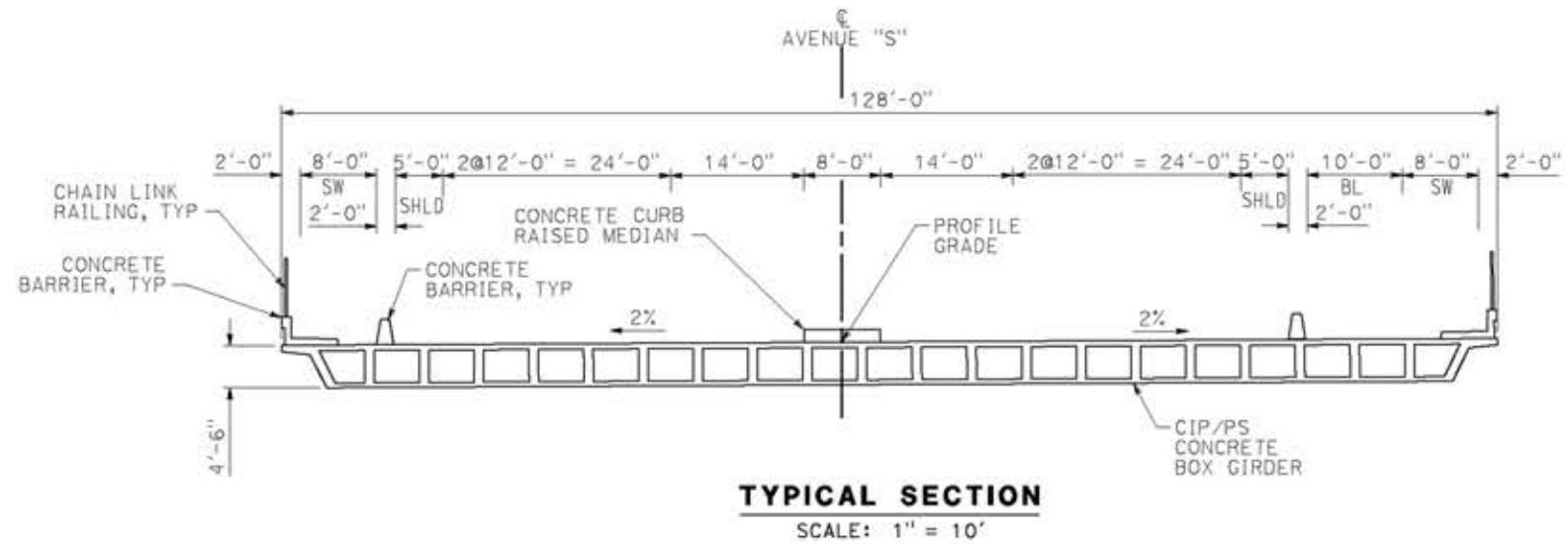
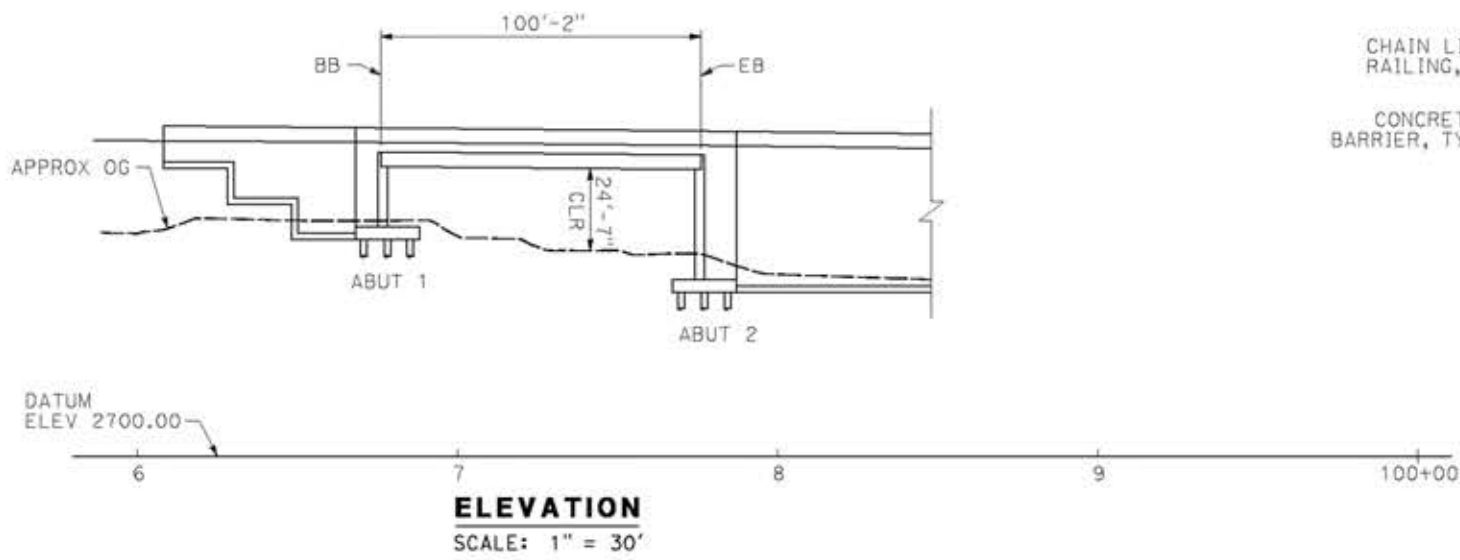
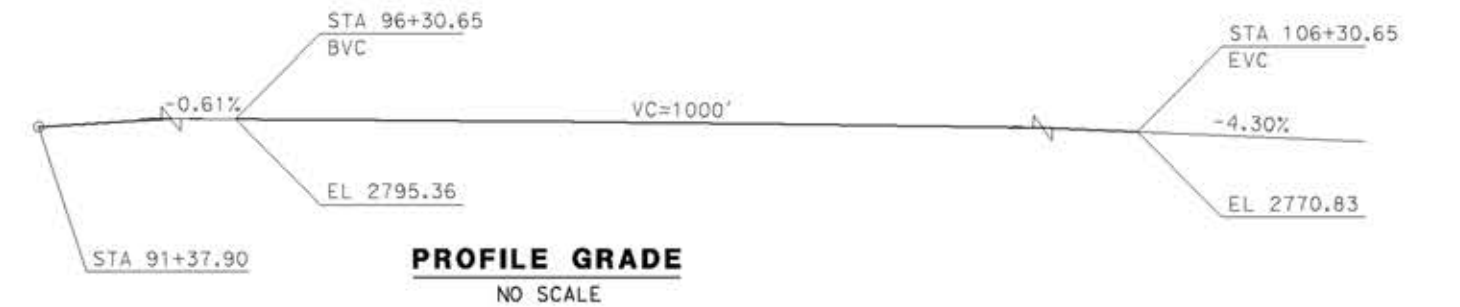
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
 SHELDON STREET UNDERPASS (SCRR TRACKS 1 & 2)  
 GENERAL PLAN

CONTRACT NO.  
HSR14-42  
 DRAWING NO.  
ST-J1206-S14  
 SCALE  
AS SHOWN  
 SHEET NO.

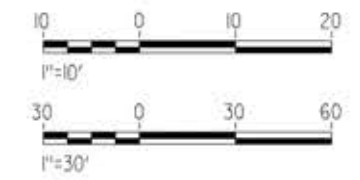








- LEGEND:**
- INDICATES BRIDGE REMOVAL PORTION
  - STRUCTURE APPROACH SLAB TYPE N(30S)
  - INDICATES NEW CONSTRUCTION
  - INDICATES FOUNDATION OR HIDDEN LINES
  - MINIMUM VERTICAL CLEARANCE
  - INDICATES DIRECTION OF TRAFFIC
- NOTES:**  
SEE GENERAL NOTES PLAN



14/05/2021 9:28:33 c:\pwork\ingdir\sener-us-pw\ben\ley.com\_sener-us-pw-01\ignocio.vergara\dms19633\pb-51-j1404-s14.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

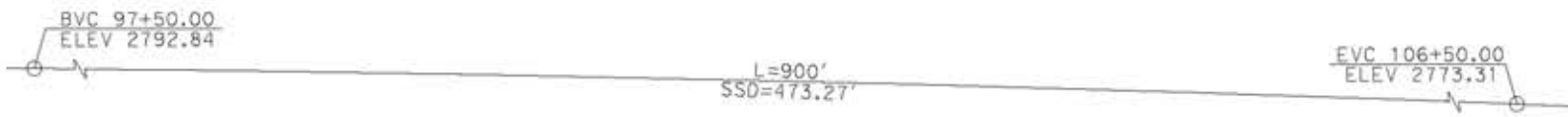
**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



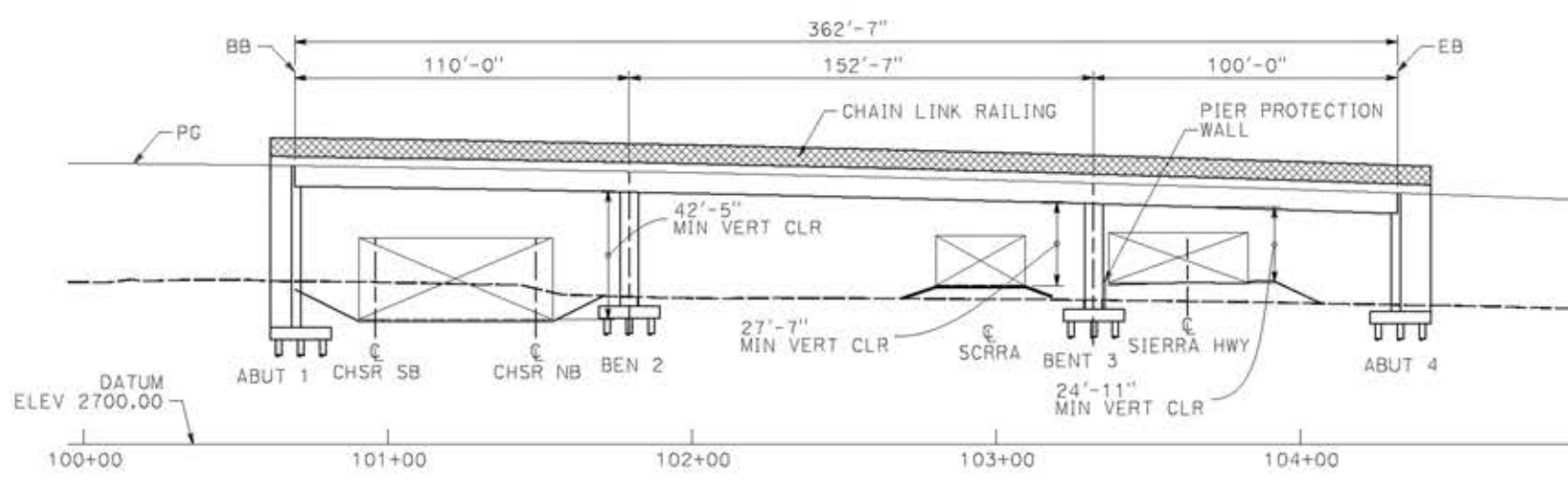
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
AVENUE S OVERCROSSING  
GENERAL PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**ST-J1404-S14**  
SCALE  
**AS SHOWN**  
SHEET NO.

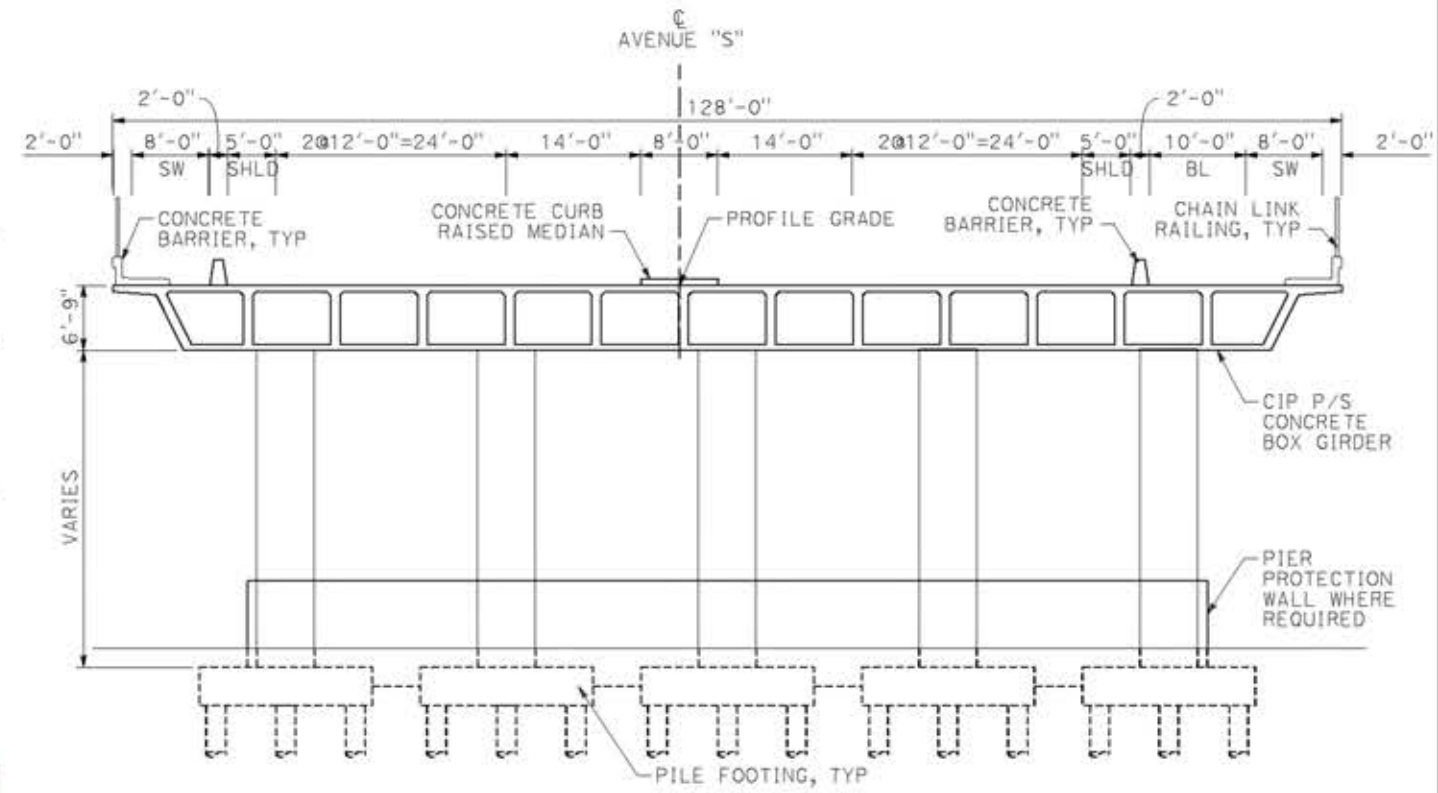




**PROFILE GRADE**  
NO SCALE



**ELEVATION**  
SCALE: 1" = 30'



**TYPICAL SECTION**  
SCALE: 1" = 10'



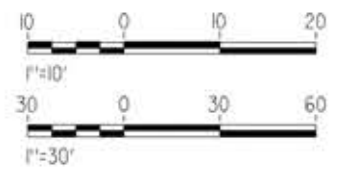
**PLAN**  
SCALE: 1" = 30'

**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



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14/05/2021 9:29:09

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

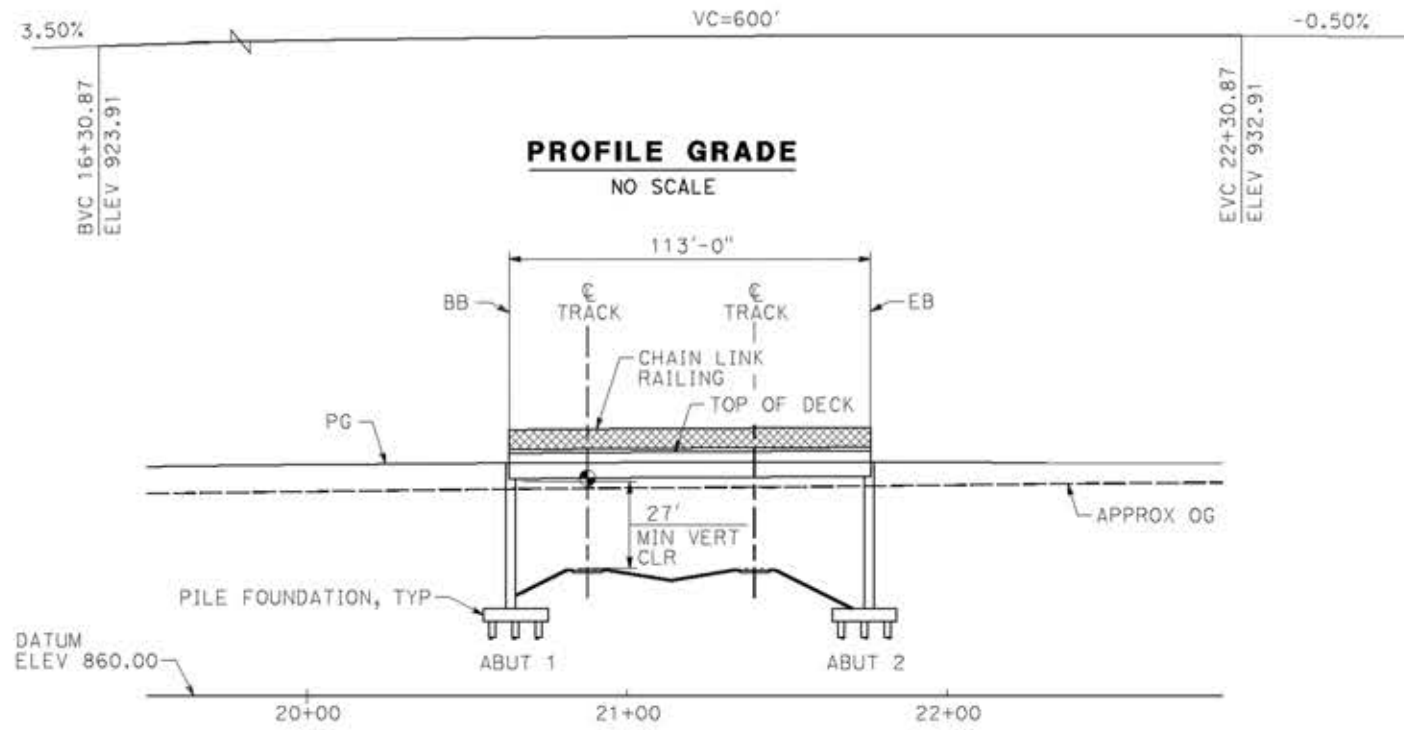
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
AVENUE S OVERHEAD  
GENERAL PLAN

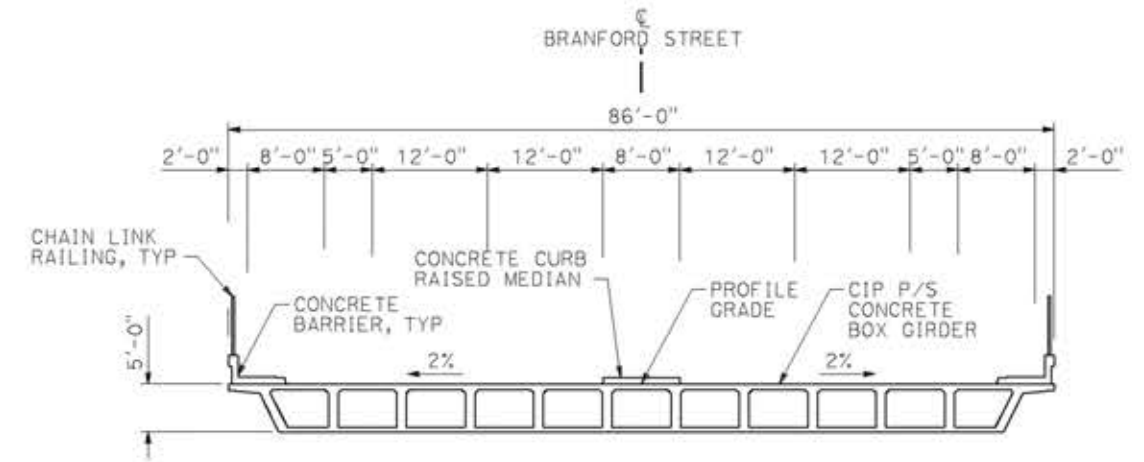
CONTRACT NO. HSR14-42
DRAWING NO. ST-J1405-S14
SCALE AS SHOWN
SHEET NO.





**PROFILE GRADE**  
NO SCALE

**ELEVATION**  
SCALE: 1" = 30'



**TYPICAL SECTION**  
SCALE: 1" = 10'



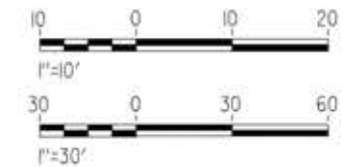
**PLAN**  
SCALE: 1" = 30'

**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

**NOTE:**

SEE GENERAL NOTES PLAN



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14/05/2021 9:32:53

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

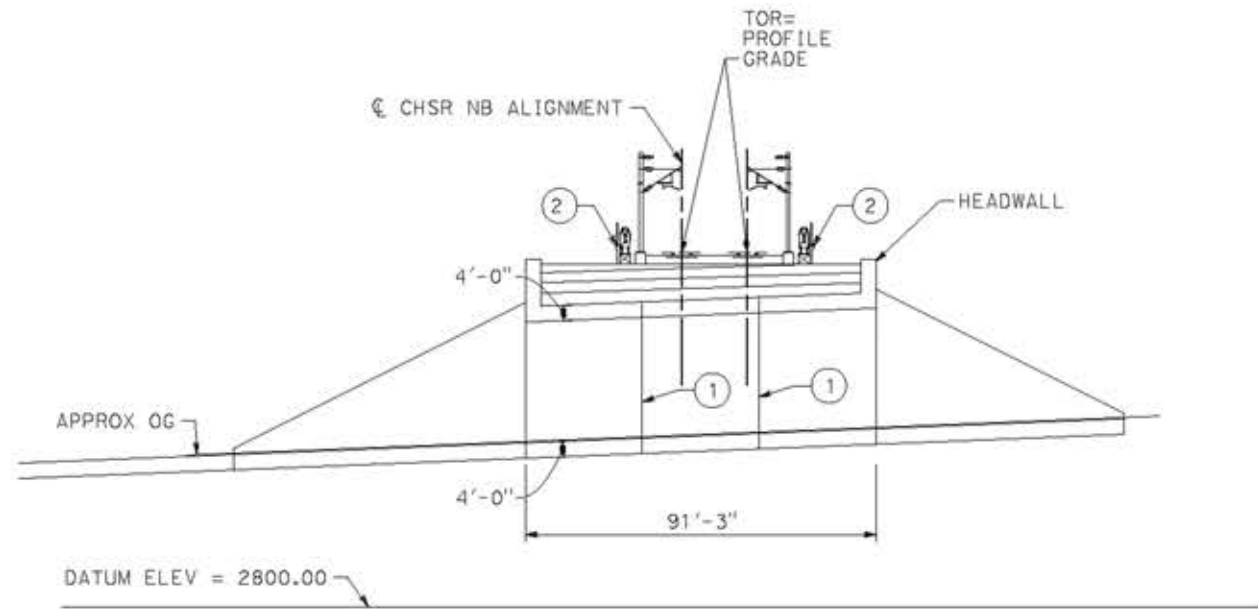
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



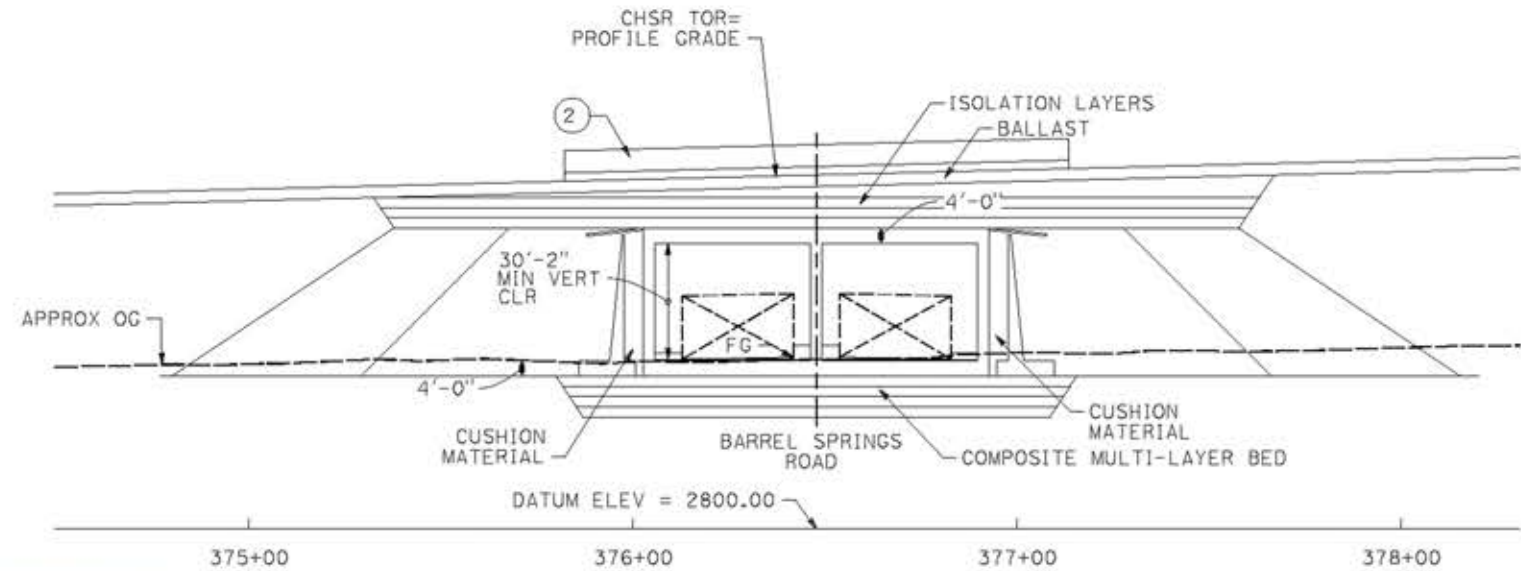
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
BRANFORD STREET OVERHEAD  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1406-S14  
SCALE  
AS SHOWN  
SHEET NO.





**TYPICAL SECTION**  
SCALE: 1"=25'



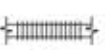
**LOOKING EAST**  
SCALE: 1"=25'

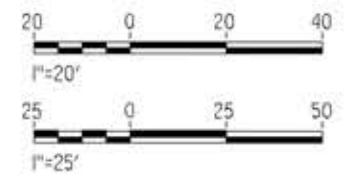


**PLAN**  
SCALE: 1"=25'

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



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14/05/2021 9:48:03

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

PEPD RECORD SET  
REV 02  
  
NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
BARREL SPRINGS ROAD UNDERPASS  
GENERAL PLAN

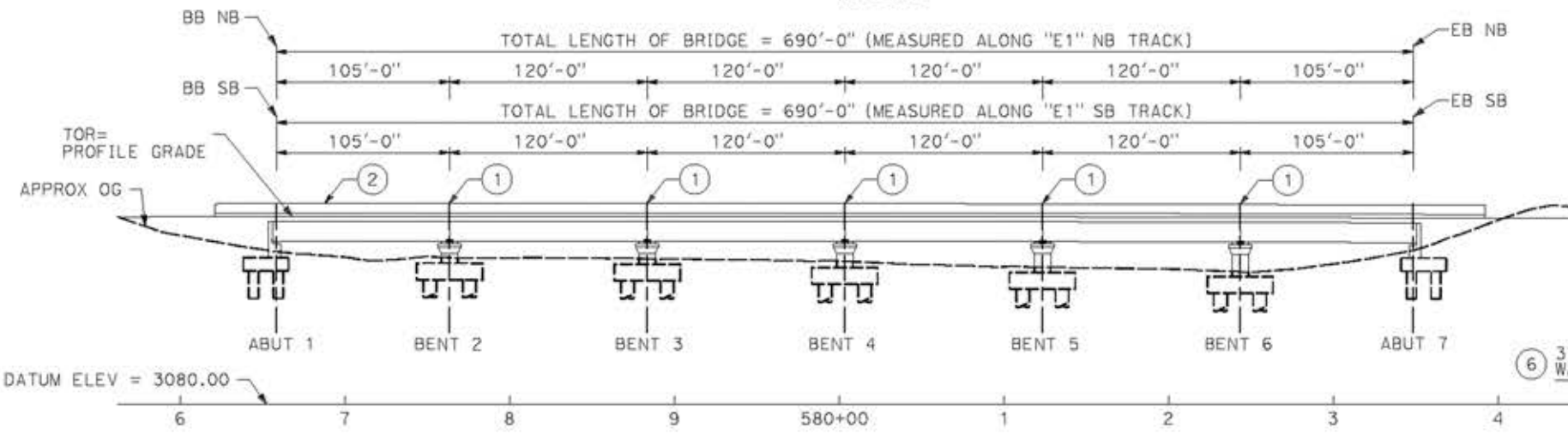
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1008-E1  
SCALE  
AS SHOWN  
SHEET NO.





**PROFILE GRADE**

NO SCALE



**ELEVATION**

SCALE: 1"=50'

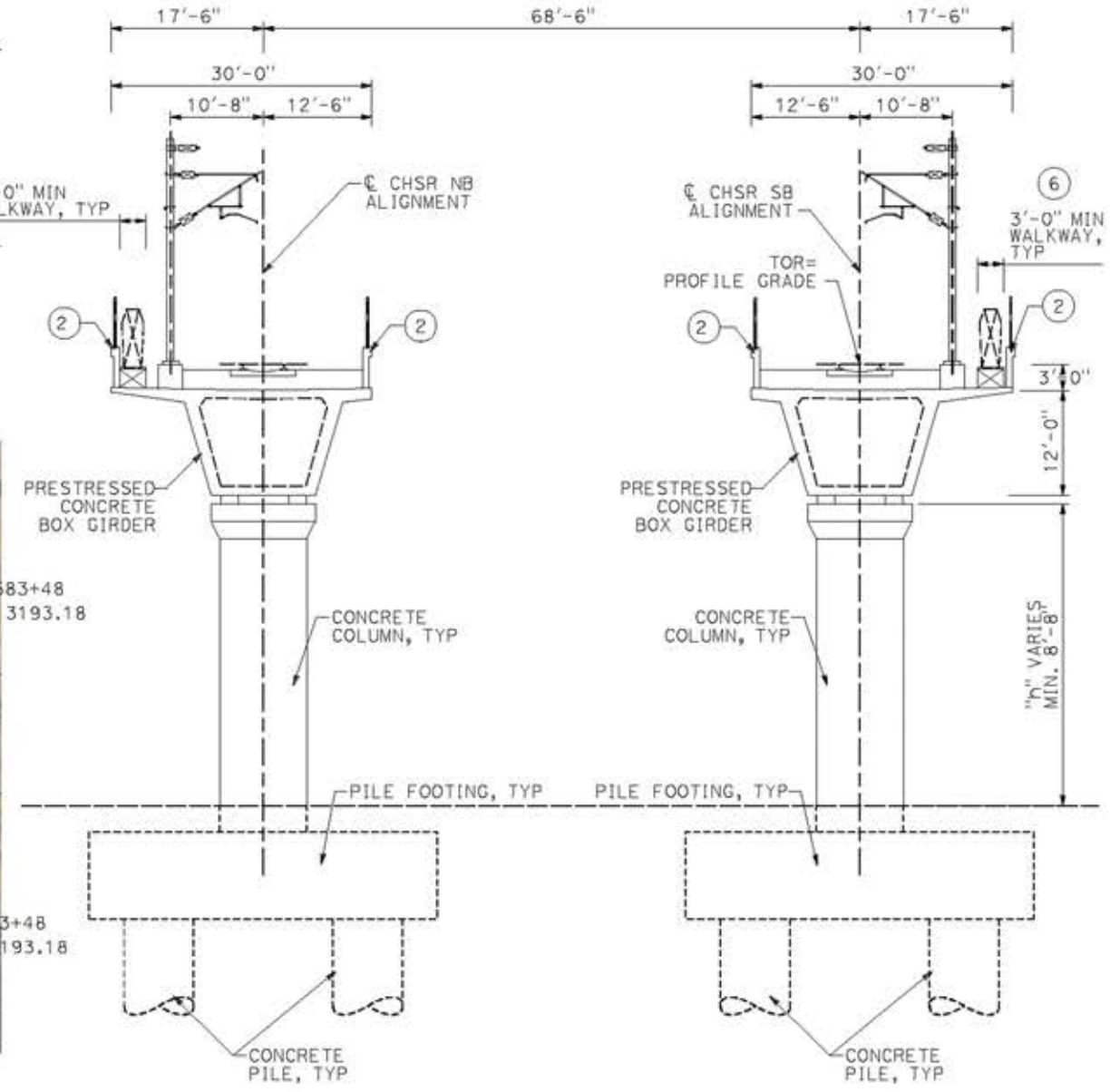


**PLAN**

SCALE: 1"=50'

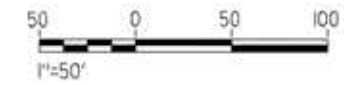
NOTE:  
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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



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14/05/2021 9:48:21

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
NORTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

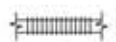
DRAWING NO.  
ST-J1009-E1

SCALE  
AS SHOWN

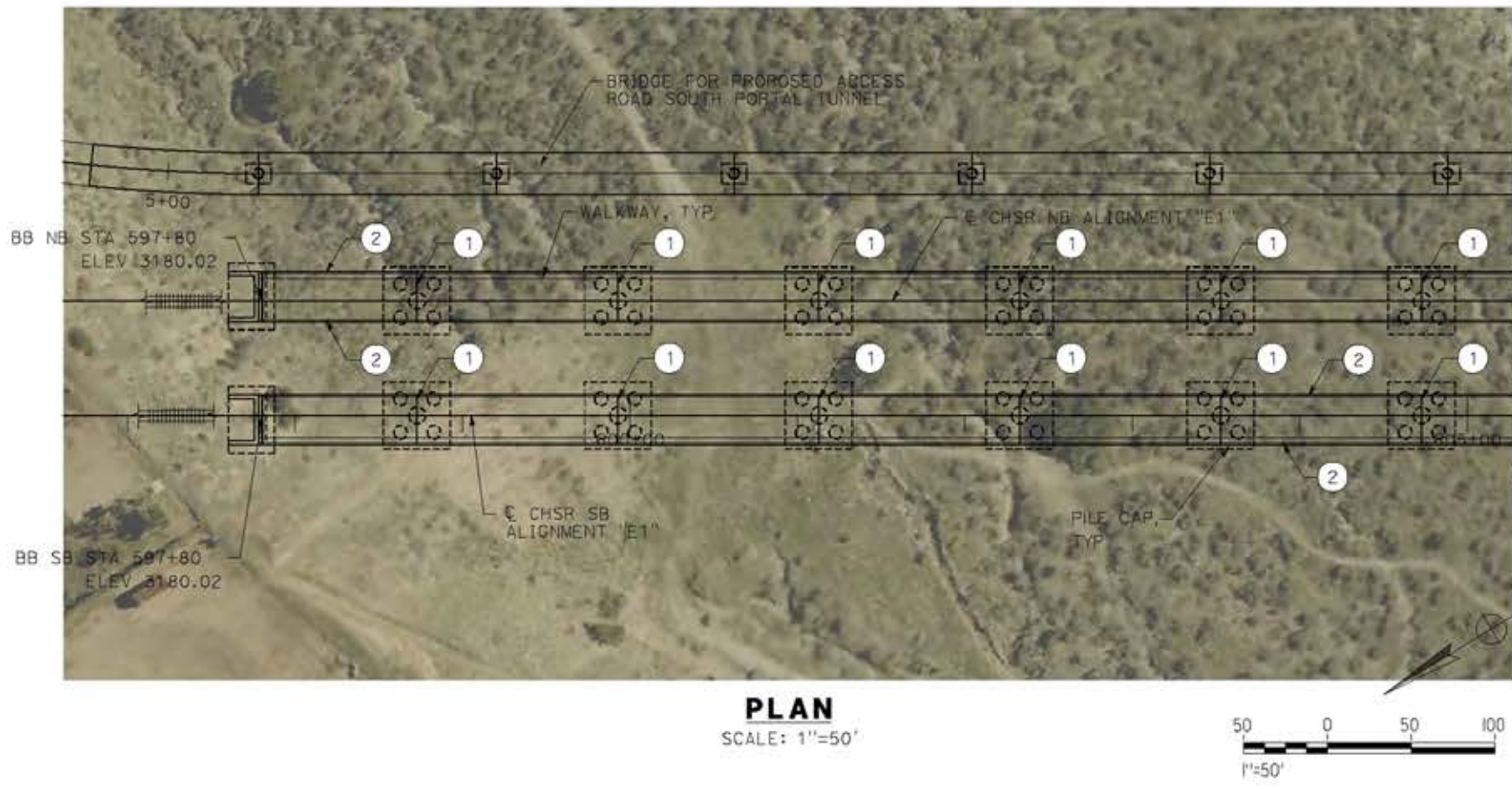
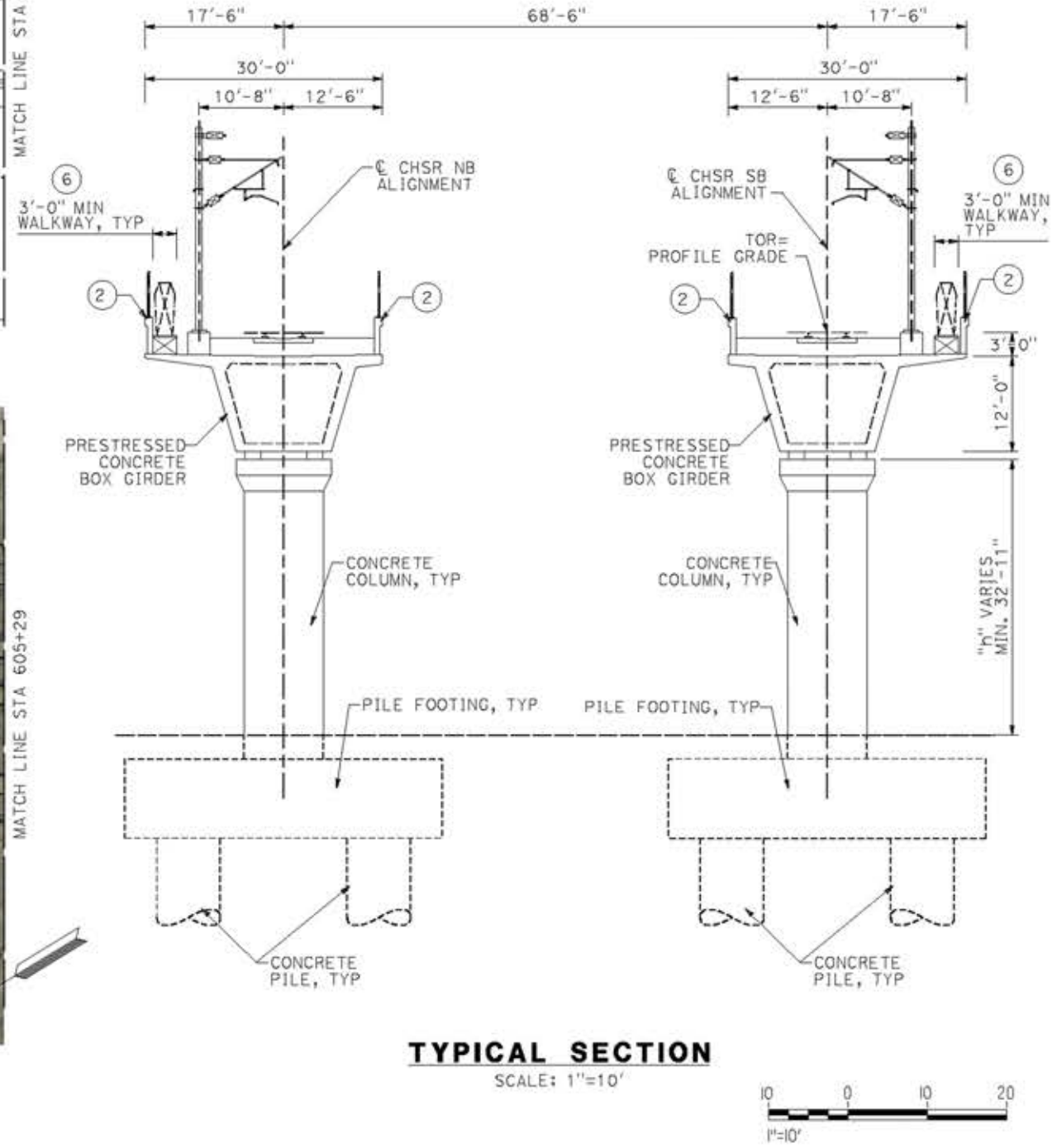
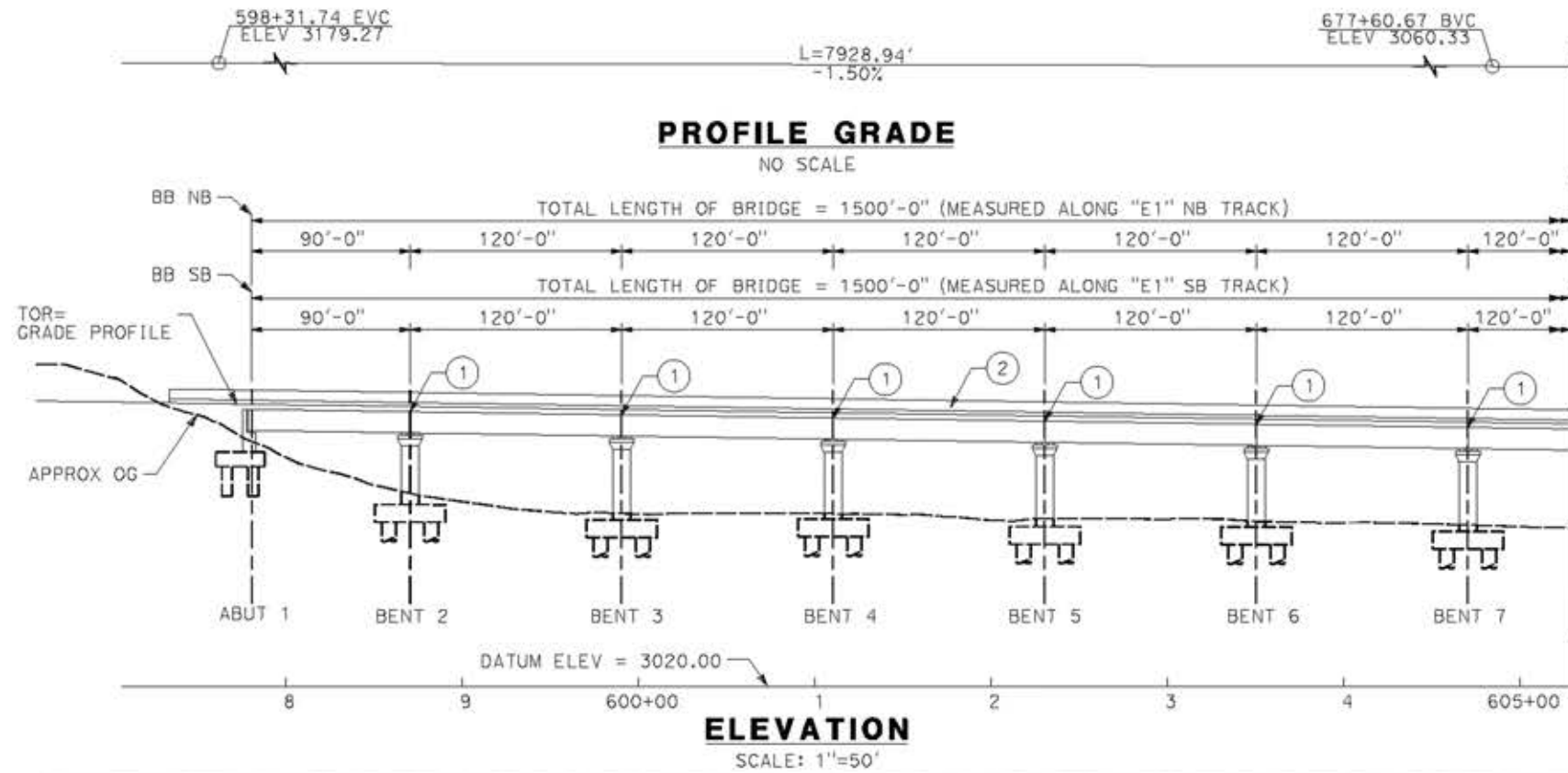
SHEET NO.



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:  
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.



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18/05/2021 23:02:38

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

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



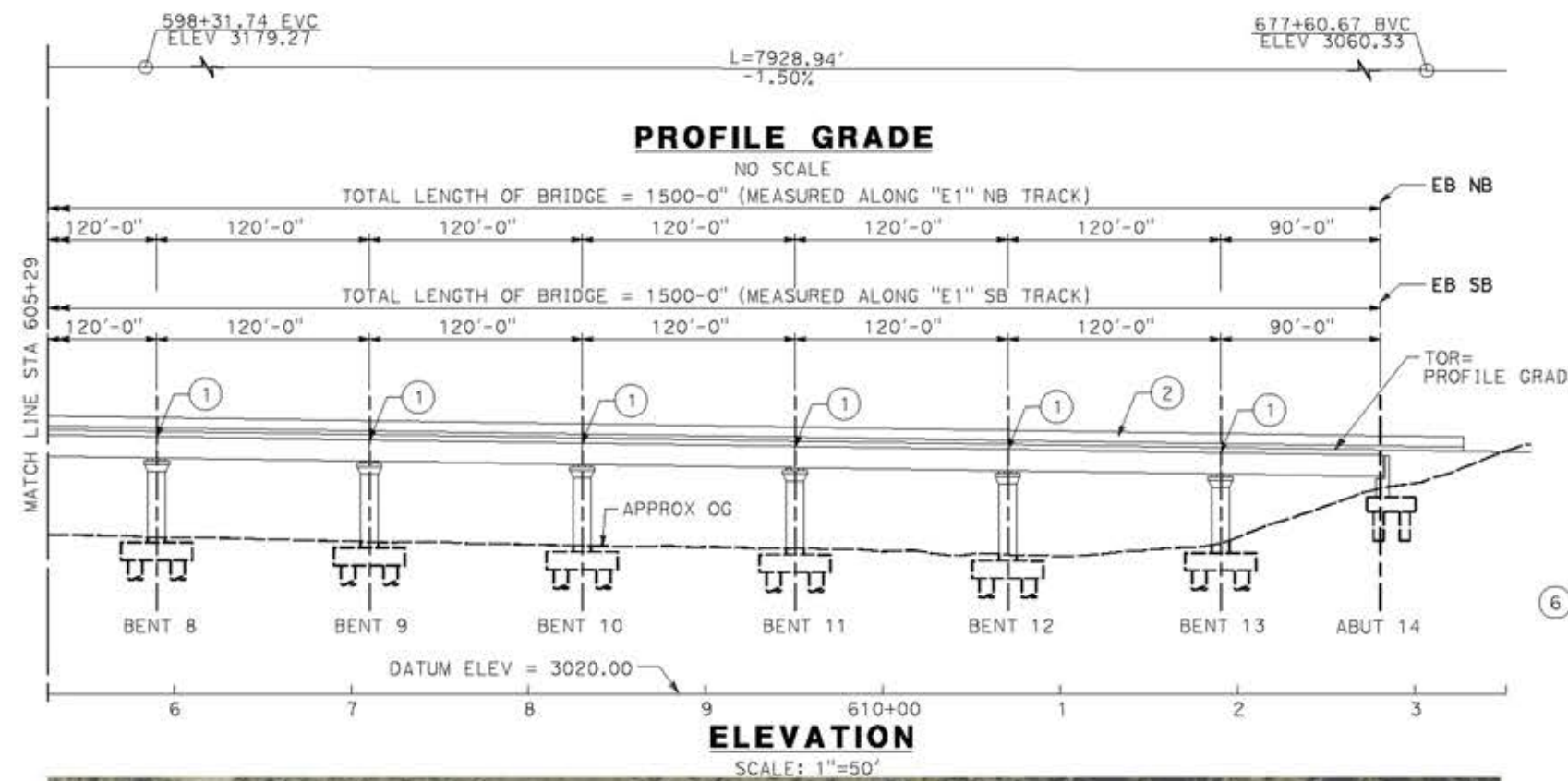
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
SOUTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN  
SHEET 1 OF 2

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1010-E1  
SCALE  
AS SHOWN  
SHEET NO.



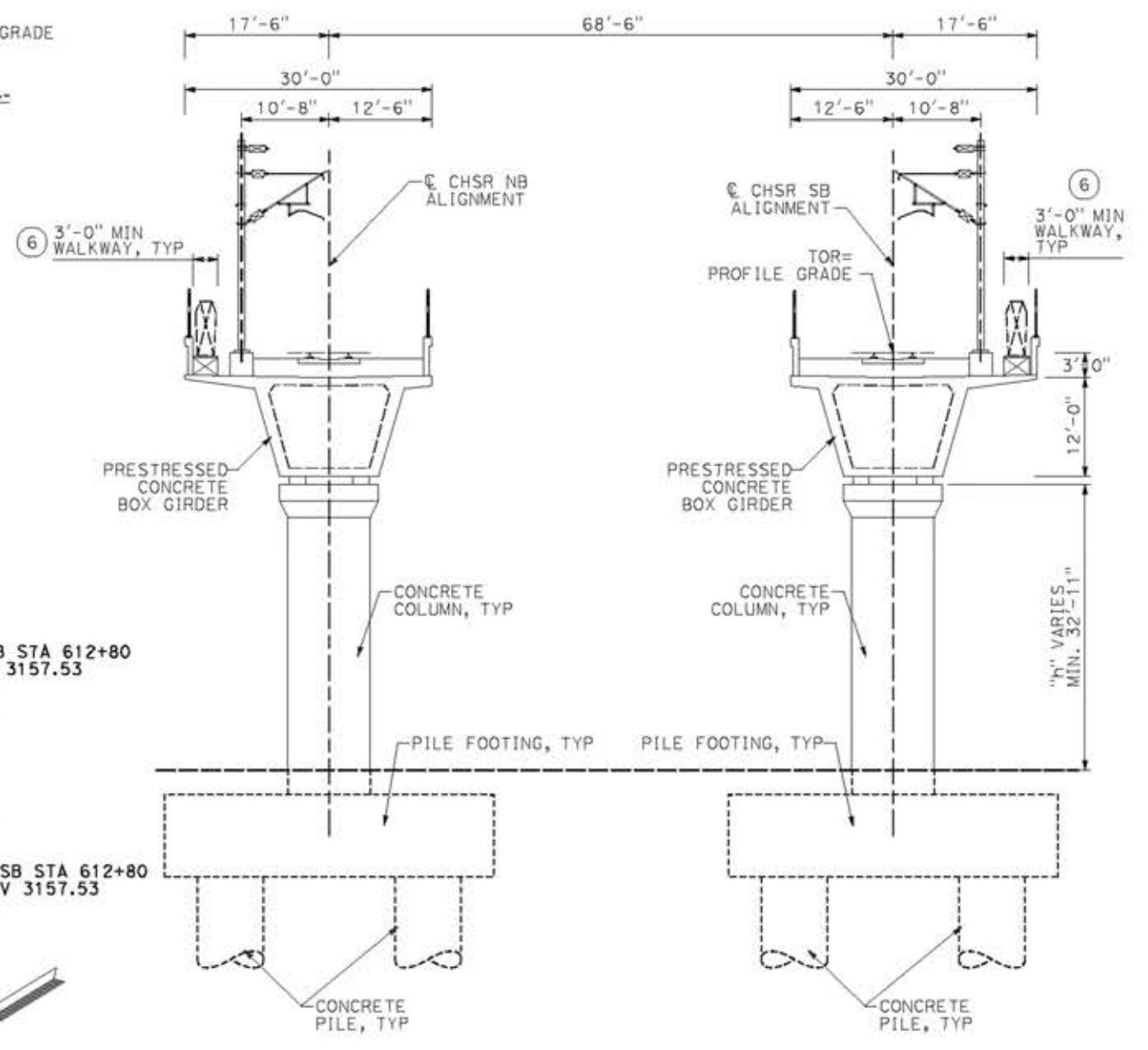
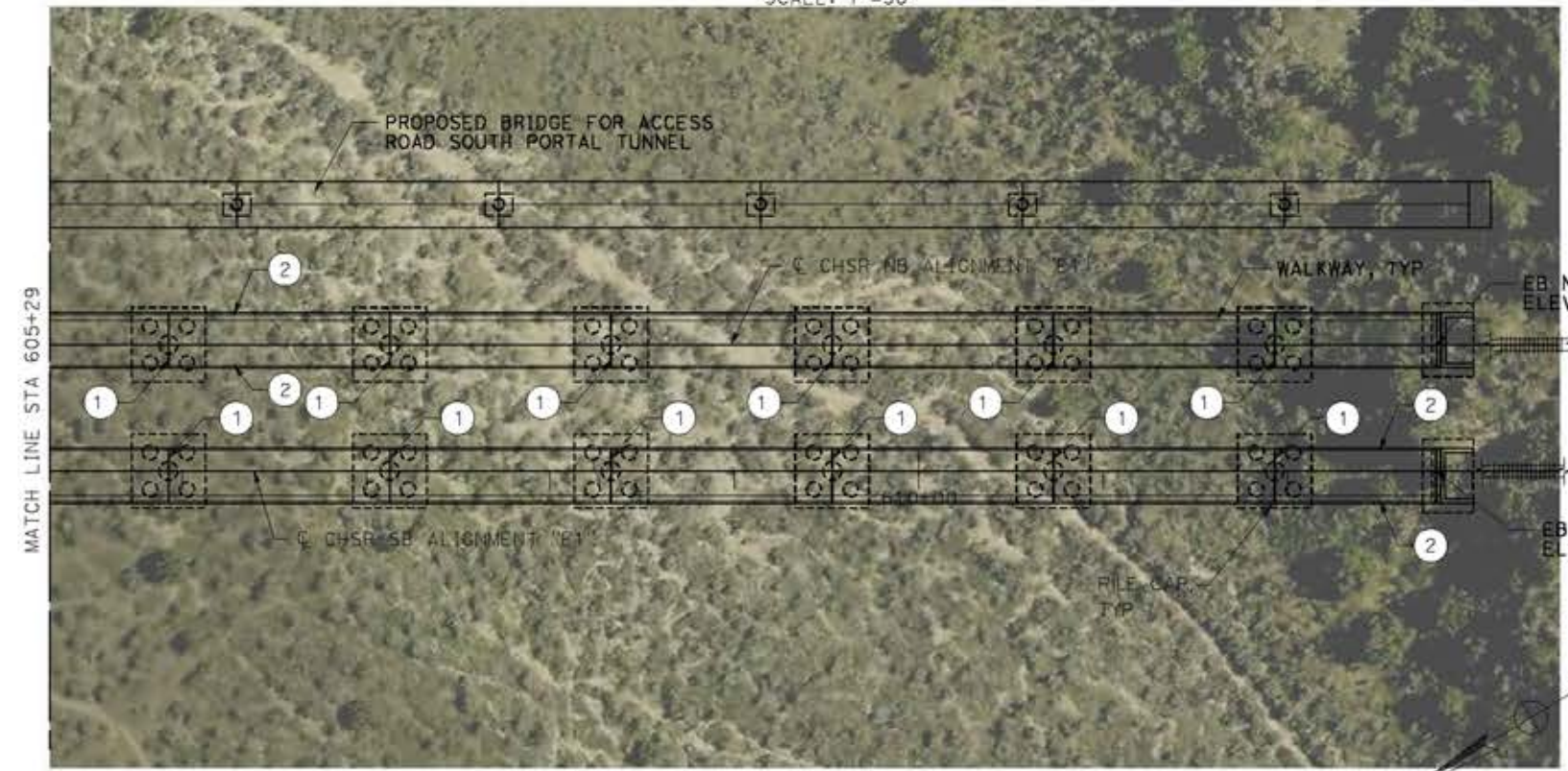
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18/05/2021 23:02:56



**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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



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

ALIGNMENT "E1"  
SOUTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN  
SHEET 2 OF 2

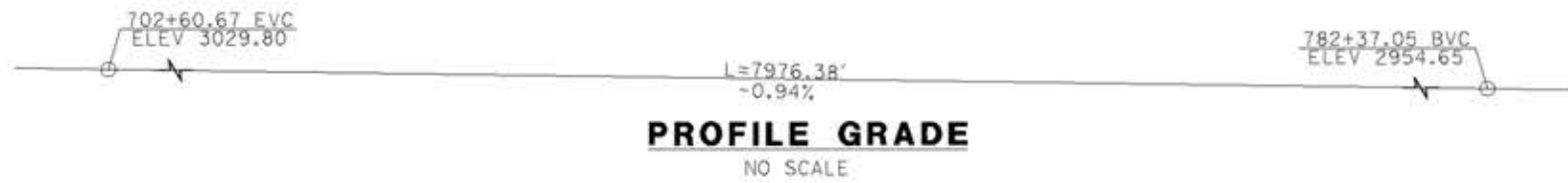
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1011-E1

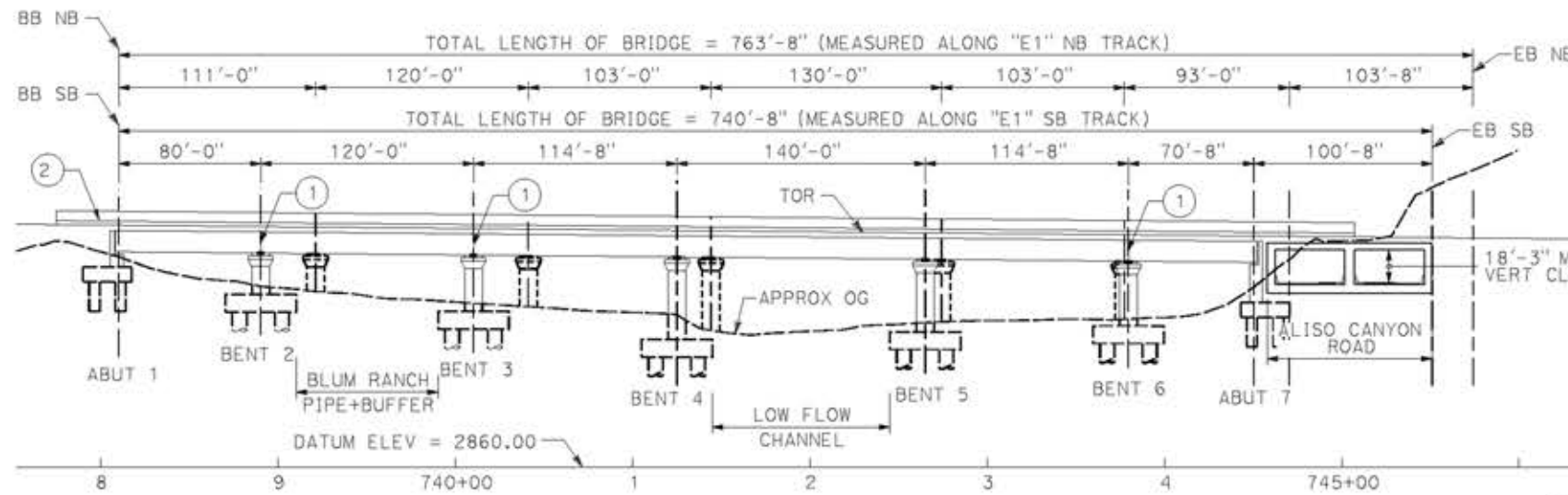
SCALE  
AS SHOWN

SHEET NO.

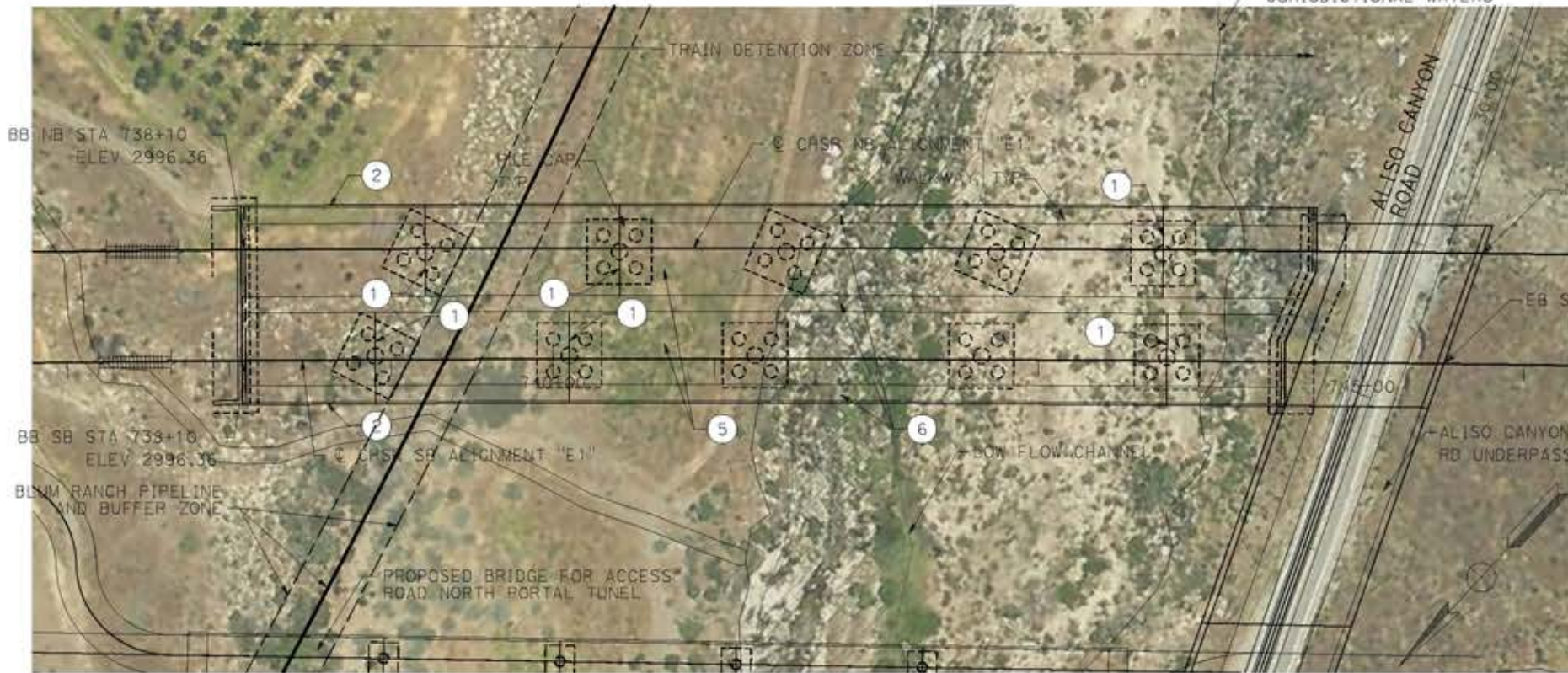




**PROFILE GRADE**  
NO SCALE

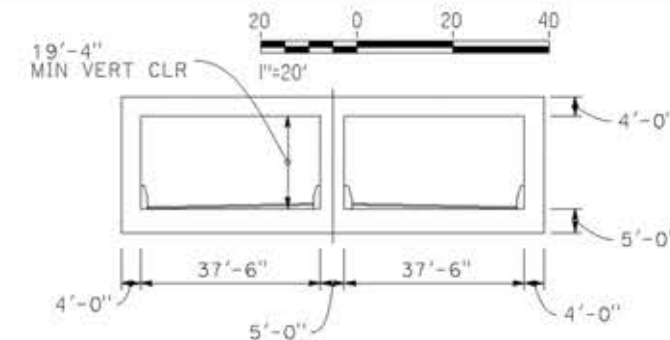


**ELEVATION**  
SCALE: 1"=50'



**PLAN**

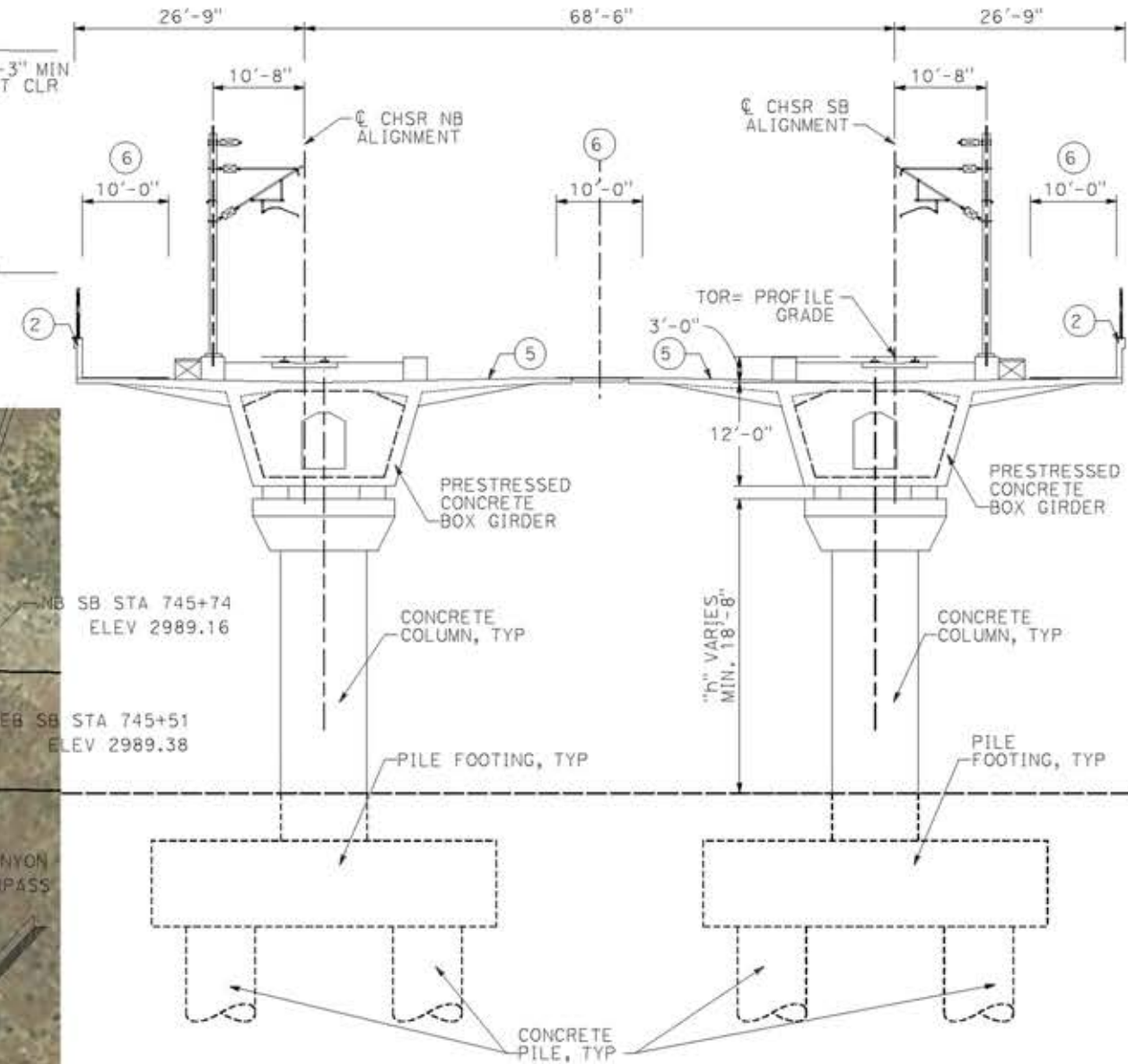
SCALE: 1"=50'



**TYPICAL SECTION UNDERPASS**

SCALE: 1"=20'

- 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'

NOTE: SEE GENERAL NOTES PLAN

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14/05/2021 9:51:16

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
ALISO CANYON VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1012-E1

SCALE  
AS SHOWN

SHEET NO.



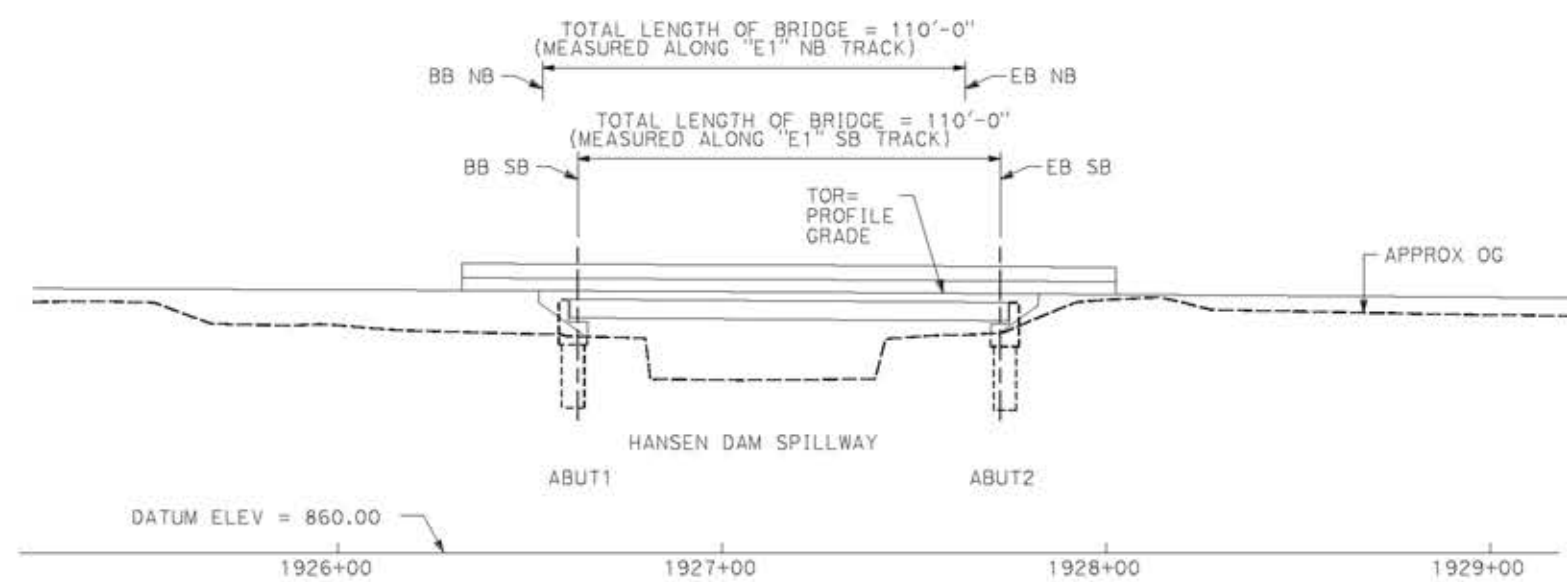
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14/05/2021 9:51:37

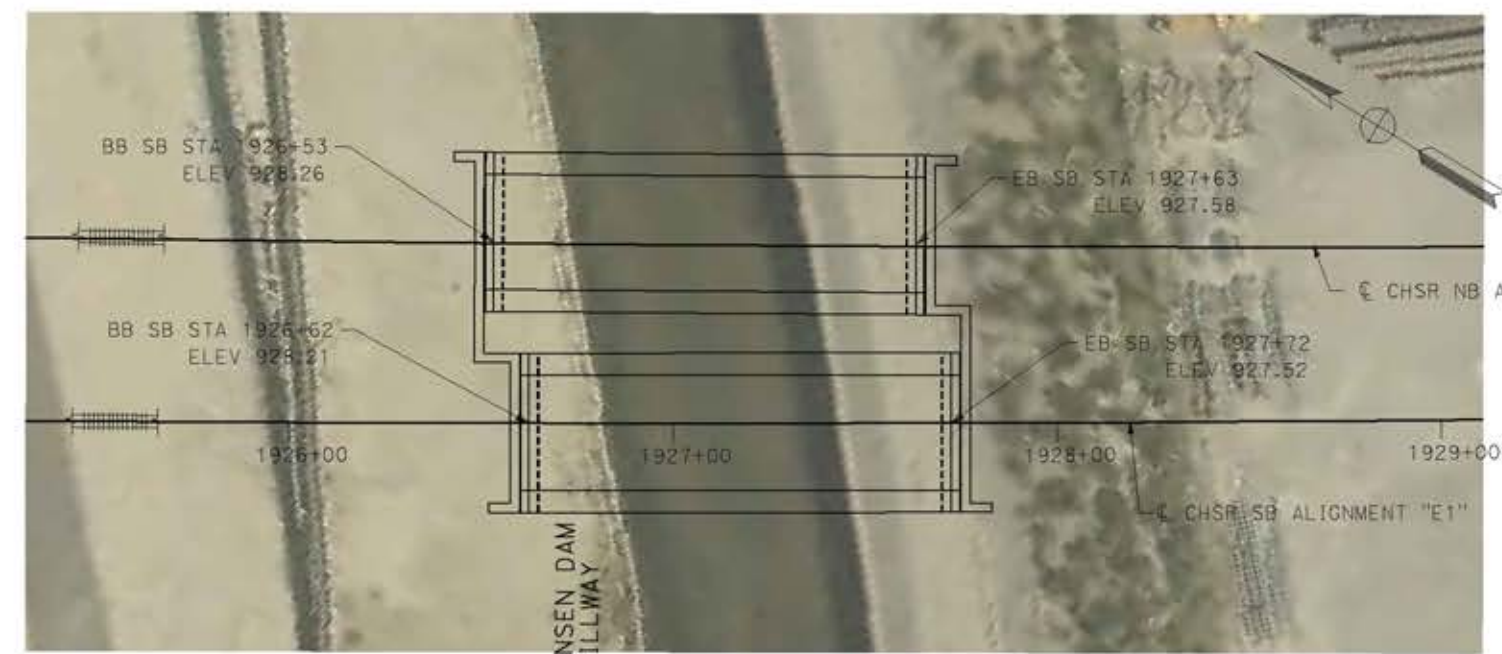
0204814



**PROFILE GRADE**  
NO SCALE



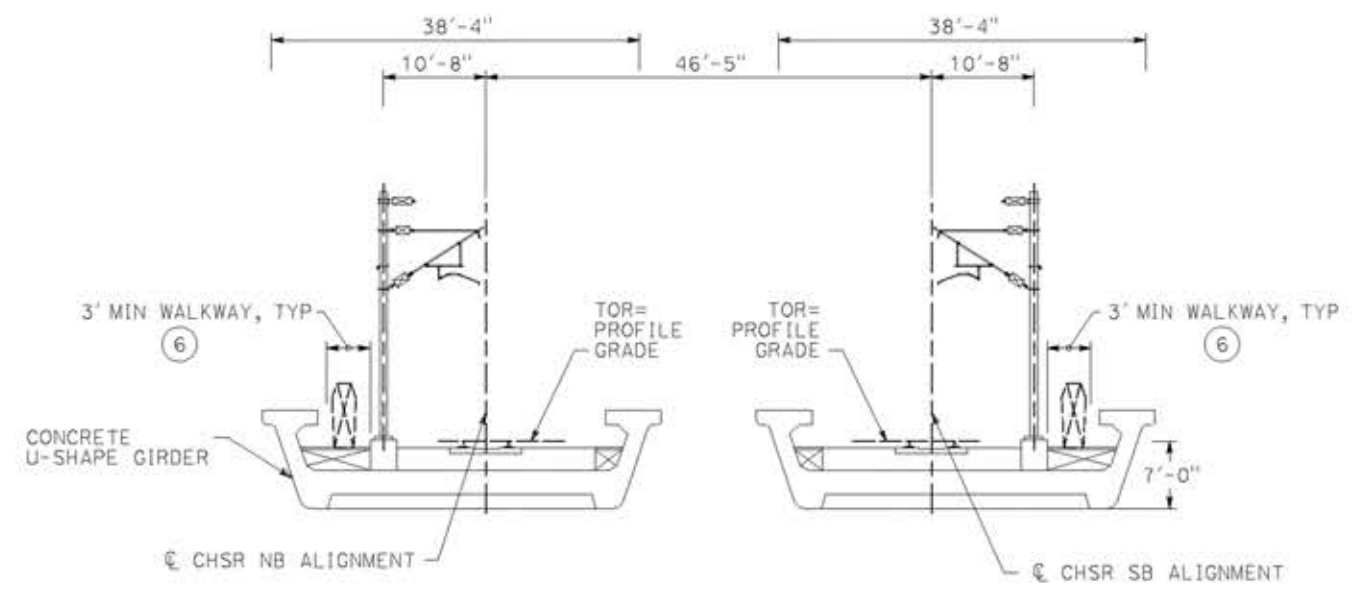
**ELEVATION**  
SCALE: 1"=25'



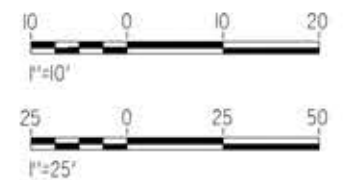
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
HANSEN DAM SPILLWAY VIADUCT  
GENERAL PLAN

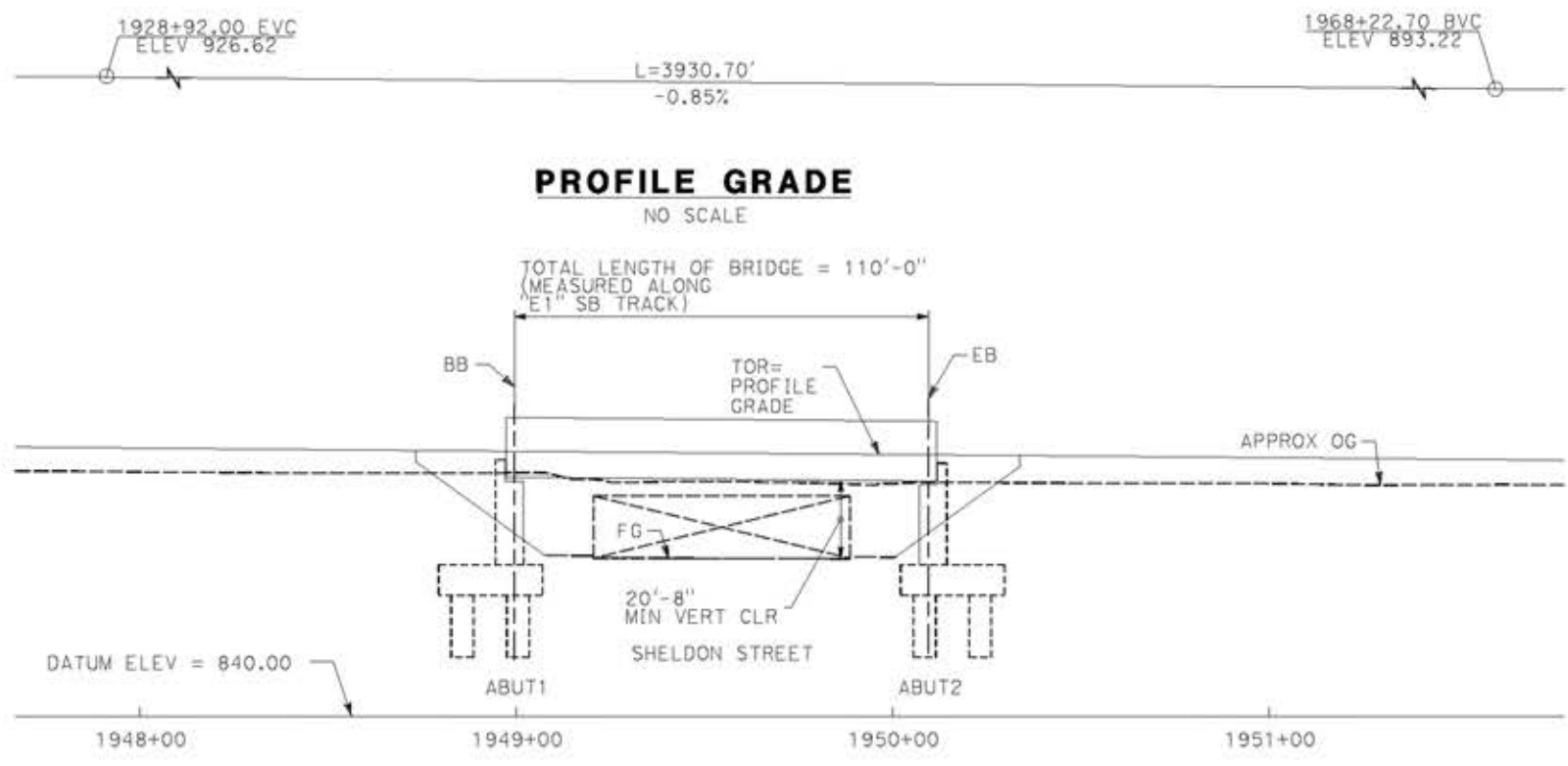
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1013-E1

SCALE  
AS SHOWN

SHEET NO.



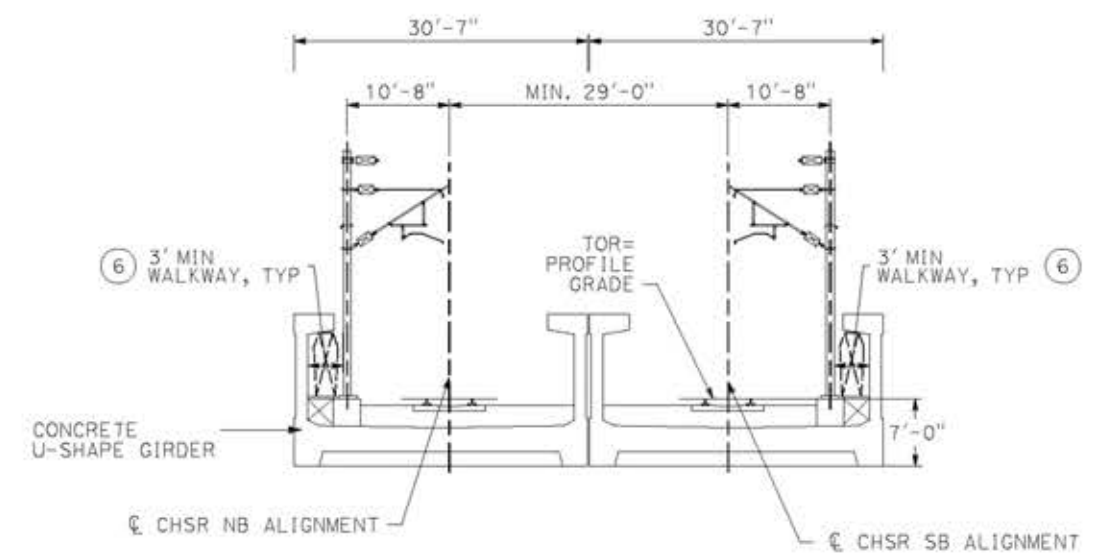


**PROFILE GRADE**  
NO SCALE

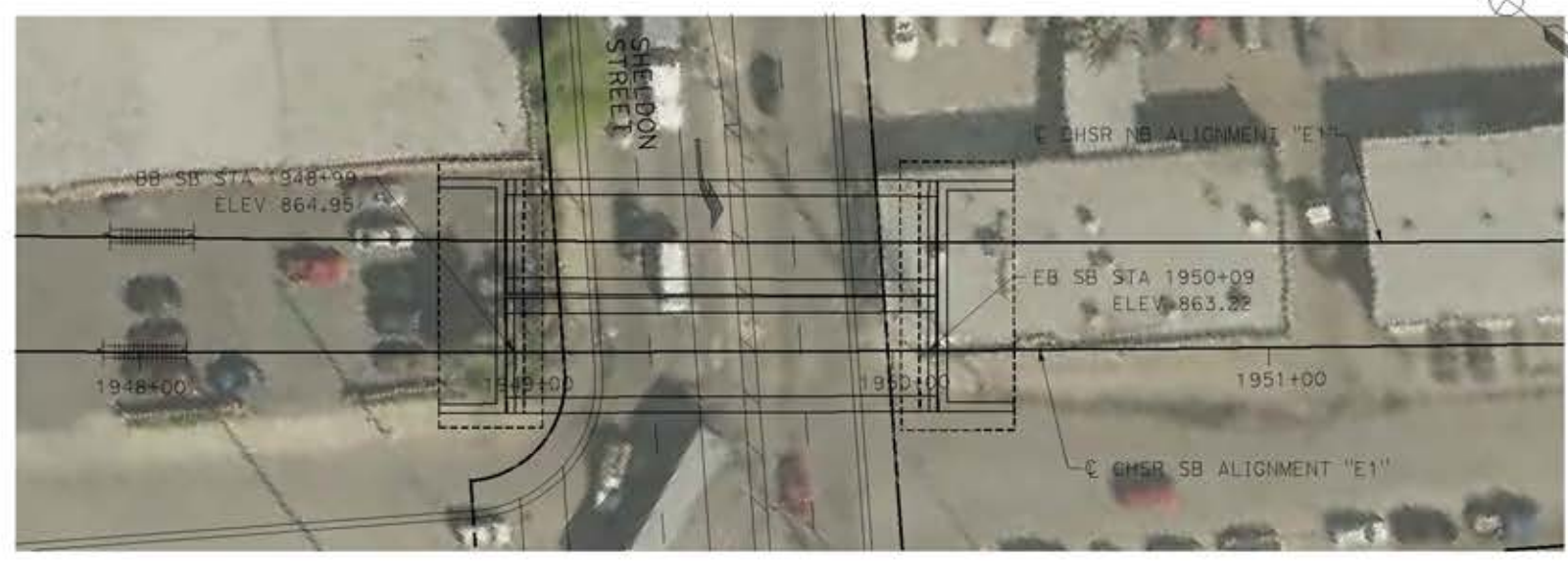
**ELEVATION**  
SCALE: 1"=25'

**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.

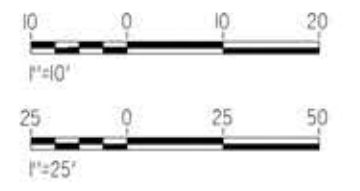
- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
  - ⑥



**TYPICAL SECTION**  
SCALE: 1"=10'



**PLAN**  
SCALE: 1"=25'



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14/05/2021 9:51:58

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
SHELDON STREET VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1014-E1

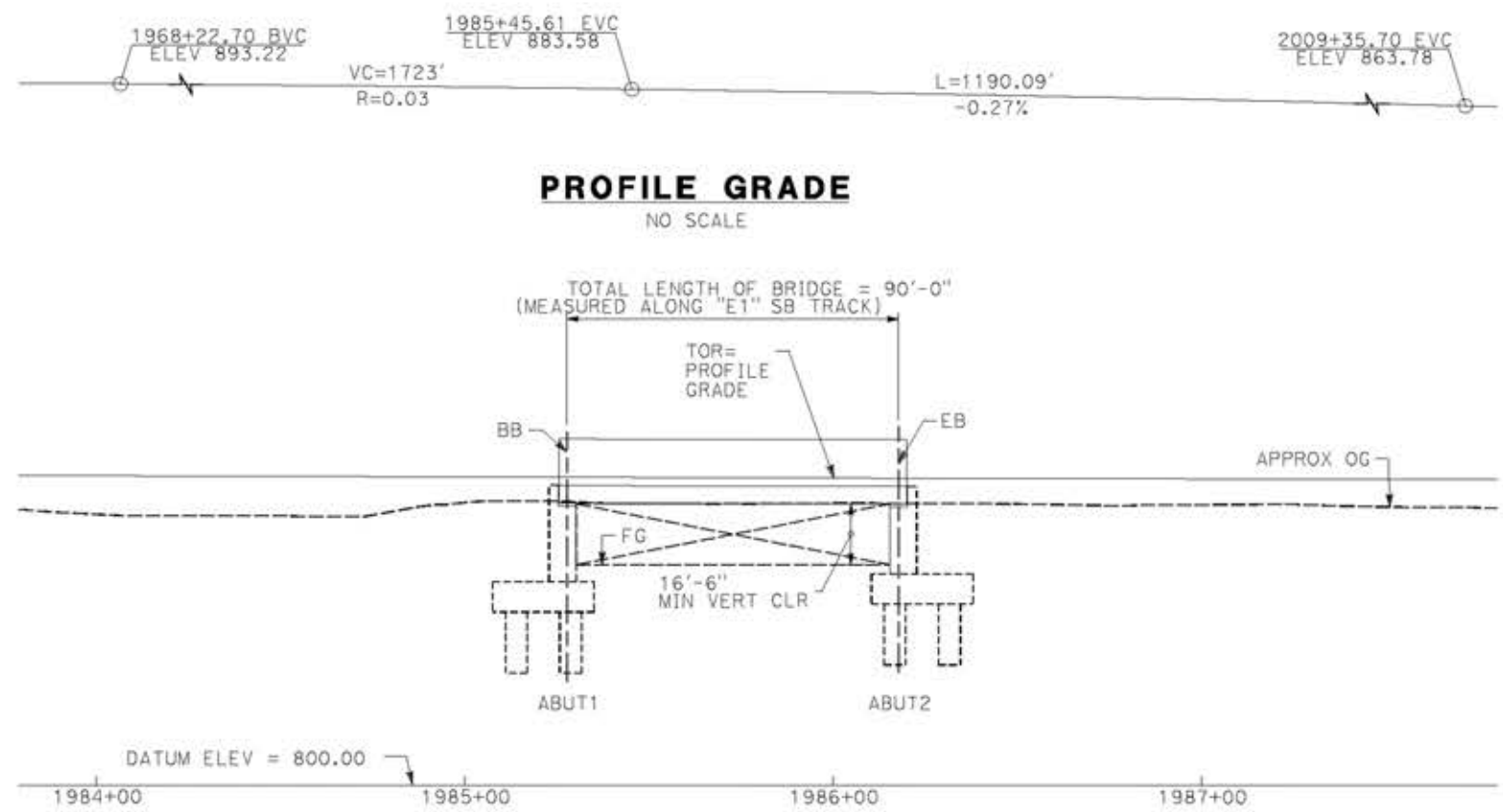
SCALE  
AS SHOWN

SHEET NO.



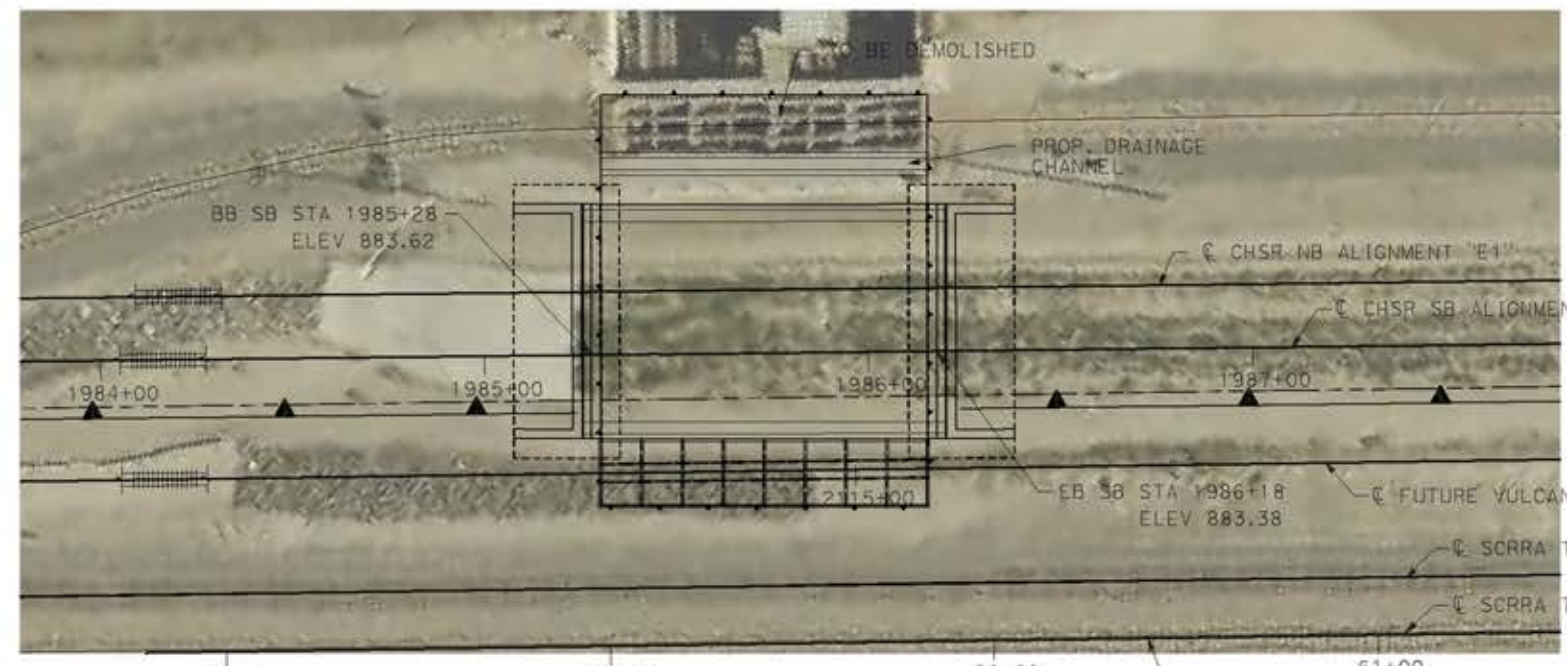
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14/05/2021 9:52:15  
0204814



**PROFILE GRADE**  
NO SCALE

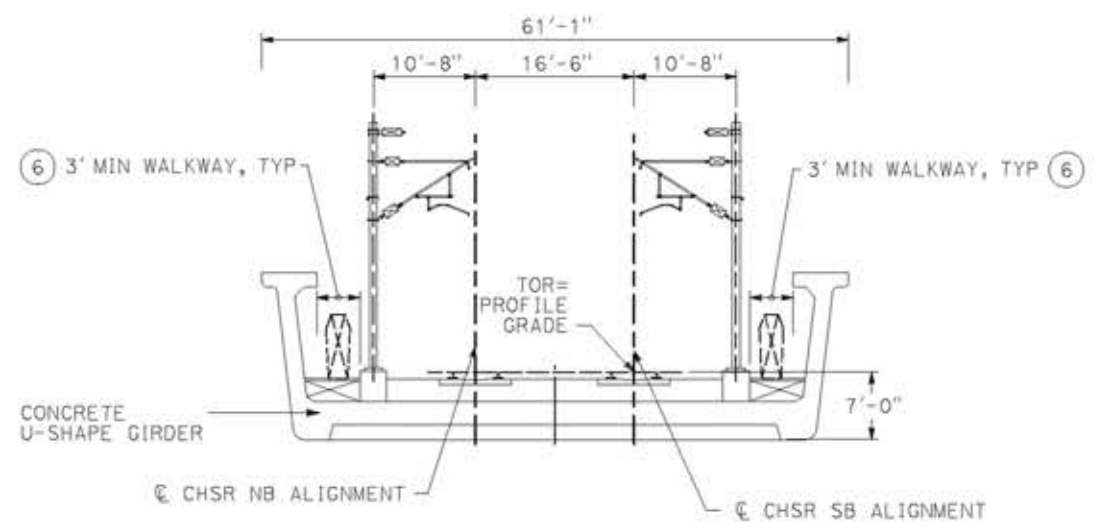
**ELEVATION**  
SCALE: 1"=25'



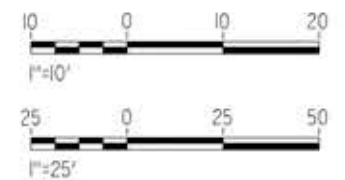
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



**TYPICAL SECTION**  
SCALE: 1"=10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELARO**  
DATE  
**04/30/2021**

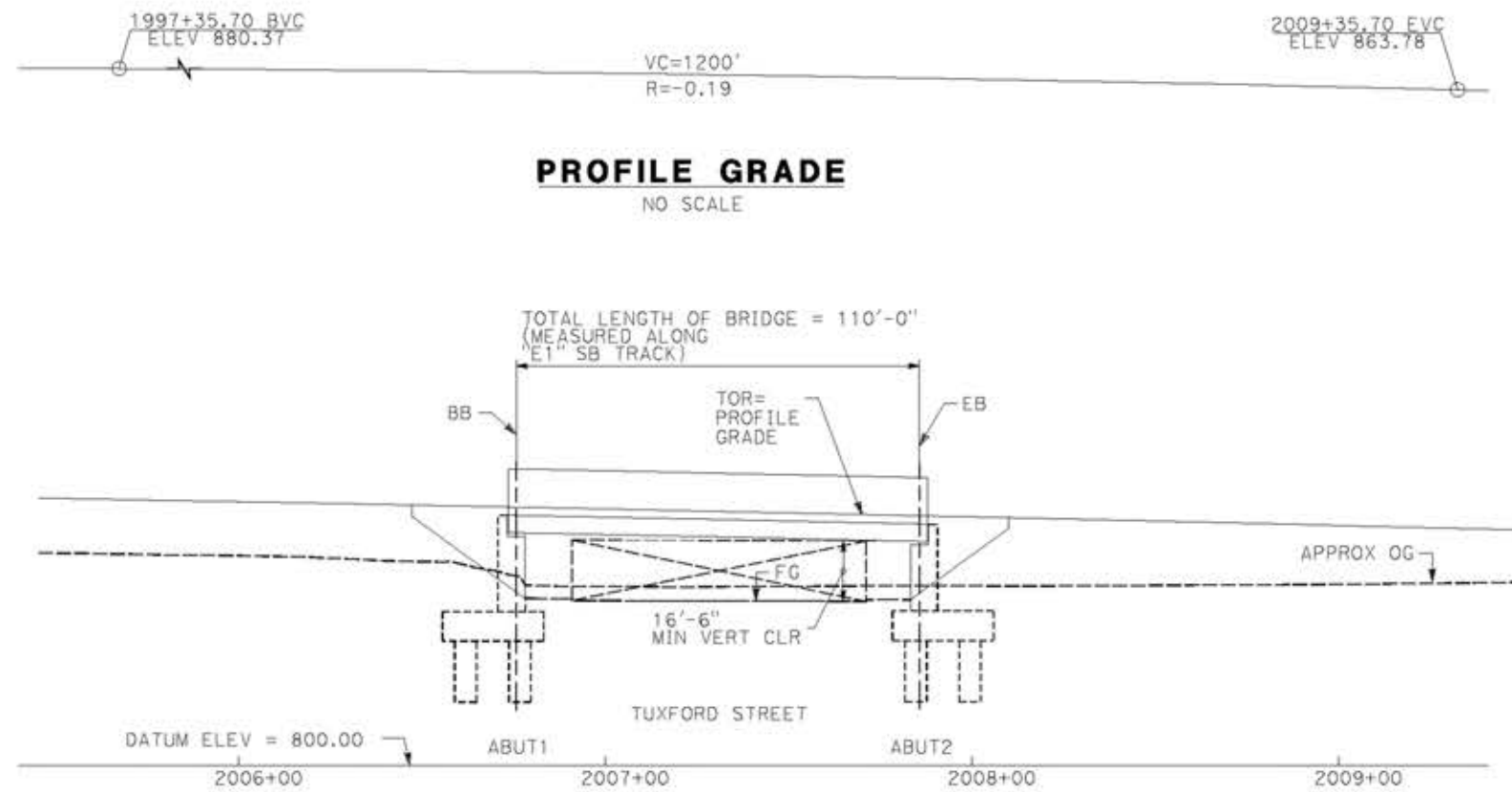
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
VULCAN MINE HOPPER VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1015-E1  
SCALE  
AS SHOWN  
SHEET NO.





**PROFILE GRADE**  
NO SCALE

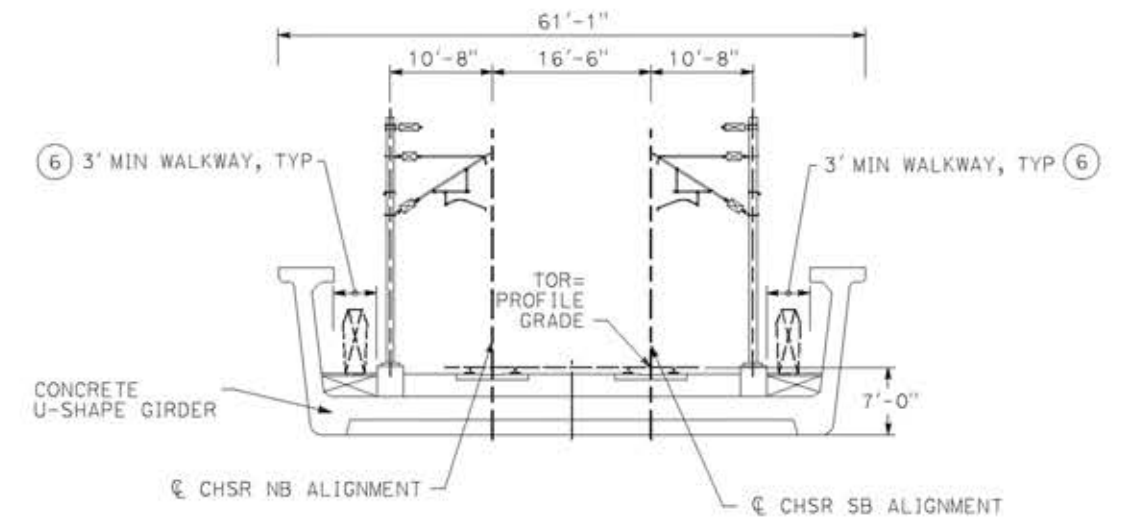
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SCALE: 1"=25'



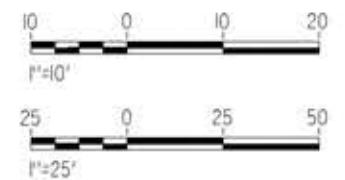
**PLAN**  
SCALE: 1"=25'

**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 GUARDRAIL OR PIER PROTECTION WALL
  - ③ NORMALIZING SLAB
  - ④ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑤ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



**TYPICAL SECTION**  
SCALE: 1"=10'



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14/05/2021 9:52:34

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
TUXFORD STREET VIADUCT  
GENERAL PLAN

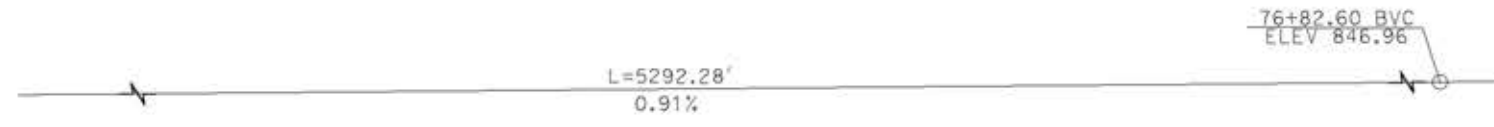
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1016-E1

SCALE  
AS SHOWN

SHEET NO.

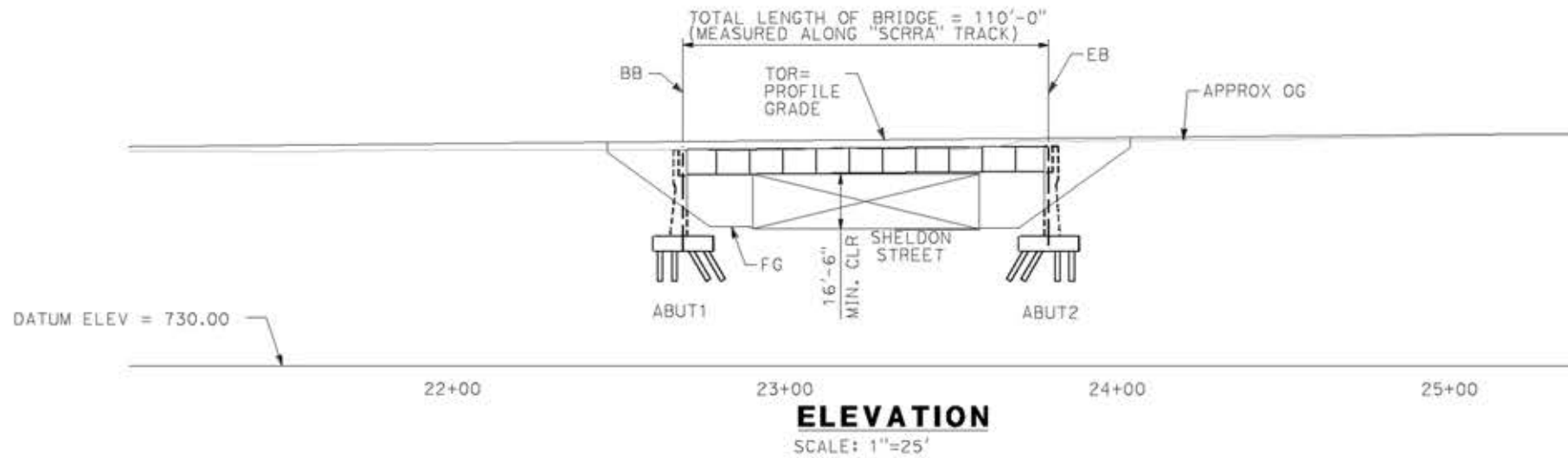




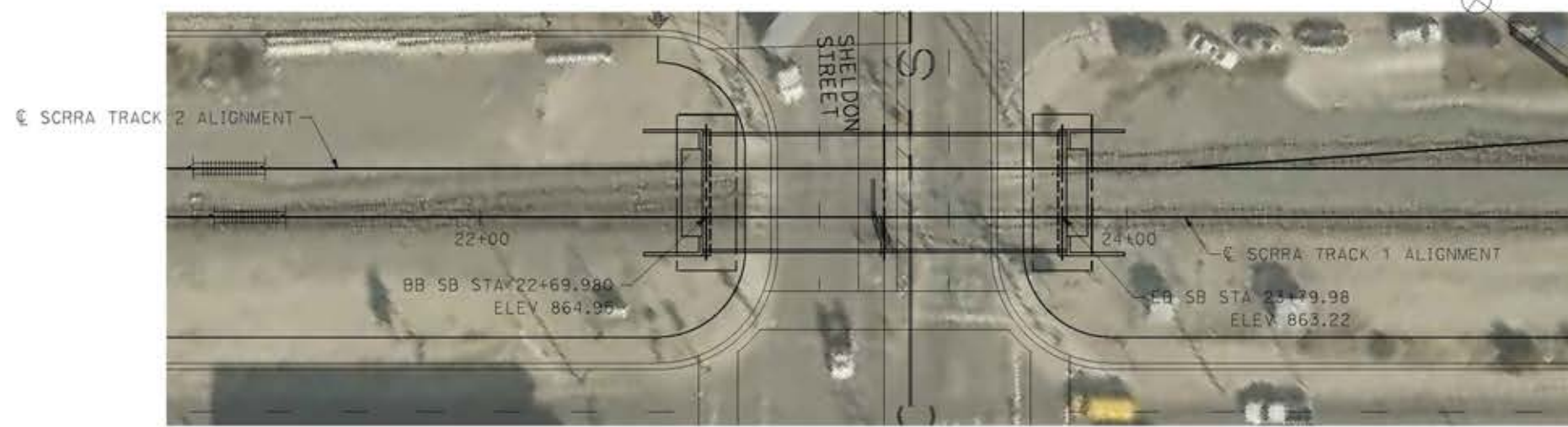
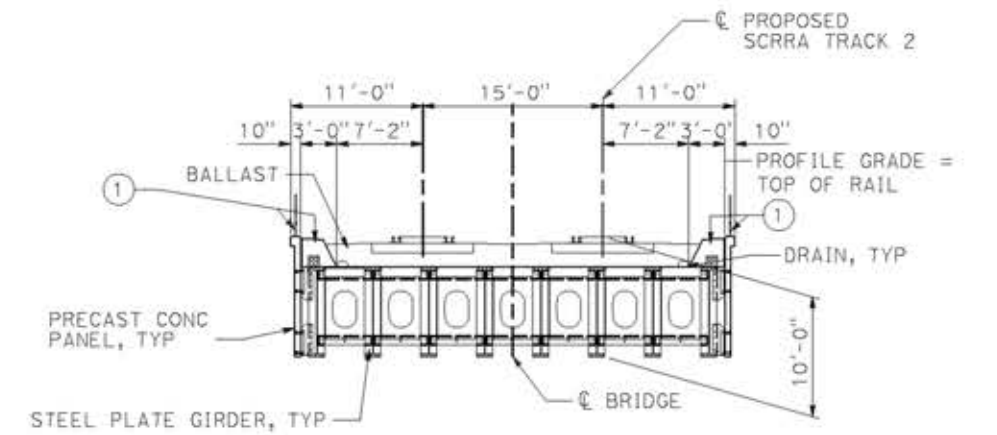
**PROFILE GRADE**  
NO SCALE

**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.

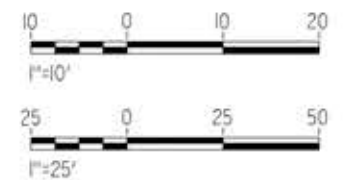
- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



**ELEVATION**  
SCALE: 1"=25'



**PLAN**  
SCALE: 1"=25'



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14/05/2021 9:52:55

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
SHELDON STREET UNDERPASS (SCRRRA TRACKS 1 & 2)  
GENERAL PLAN

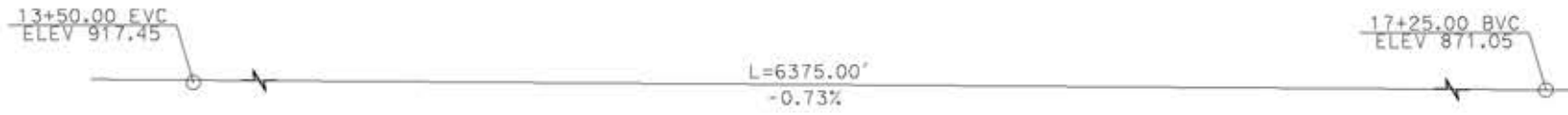
CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1206-E1

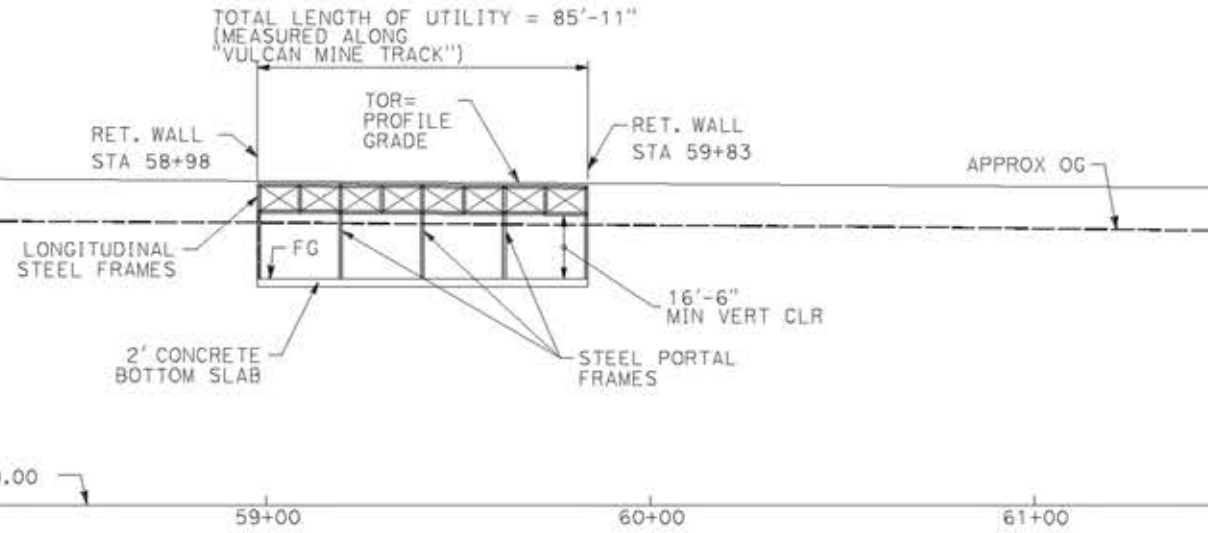
SCALE  
AS SHOWN

SHEET NO.

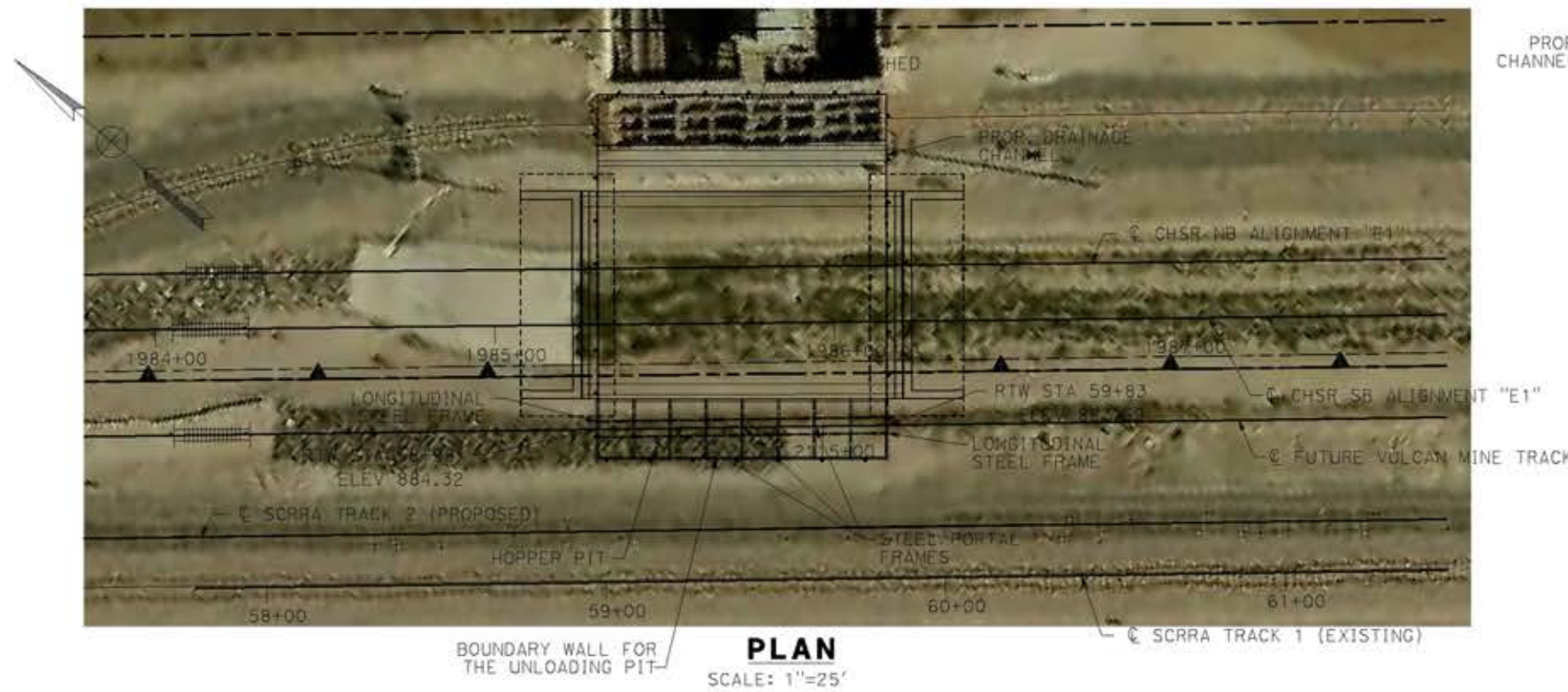




**PROFILE GRADE**  
NO SCALE



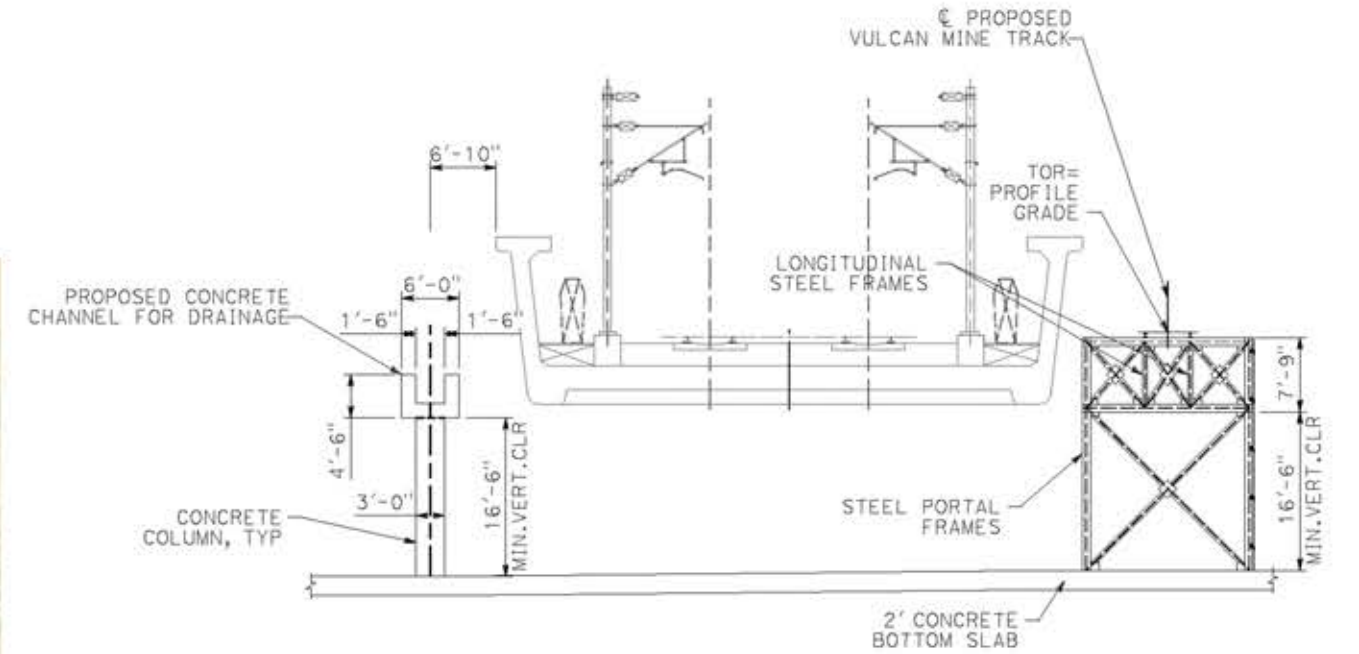
**ELEVATION**  
SCALE: 1"=25'



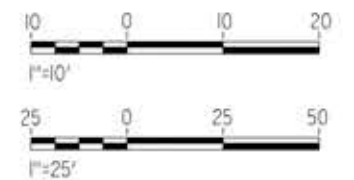
**PLAN**  
SCALE: 1"=25'

**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. FOR FURTHER DIMENSIONS DETAILS RELATED TO HSR STRUCTURE SEE DRAWING No ST-J1015-E1.

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



**TYPICAL SECTION**  
SCALE: 1"=10'



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14/05/2021 9:53:11

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

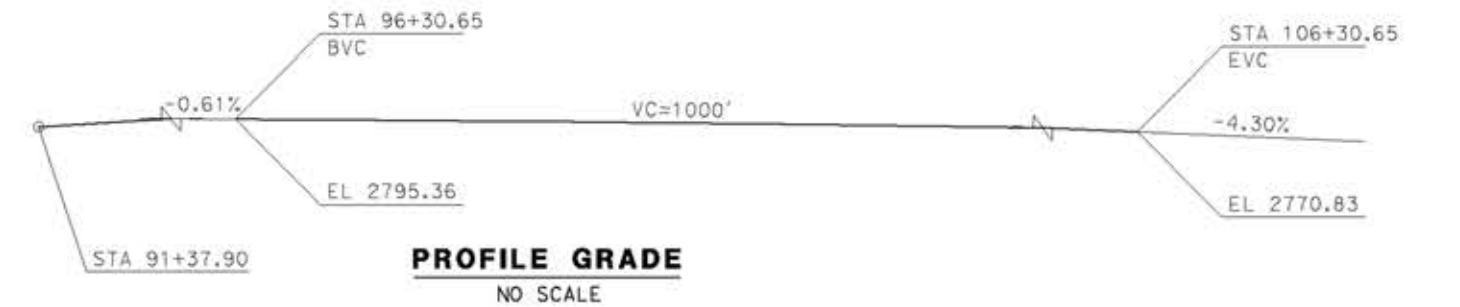
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



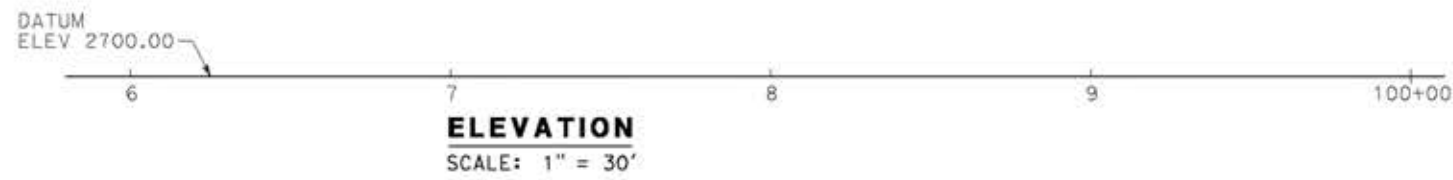
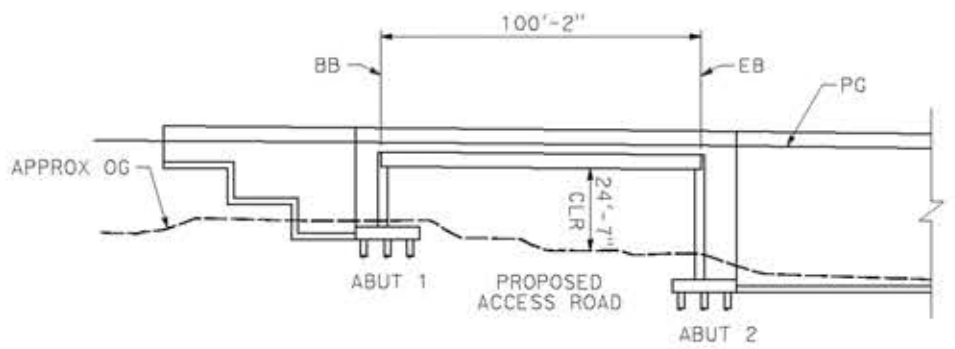
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
VULCAN MINE HOPPER FACILITY  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1207-E1  
SCALE  
AS SHOWN  
SHEET NO.

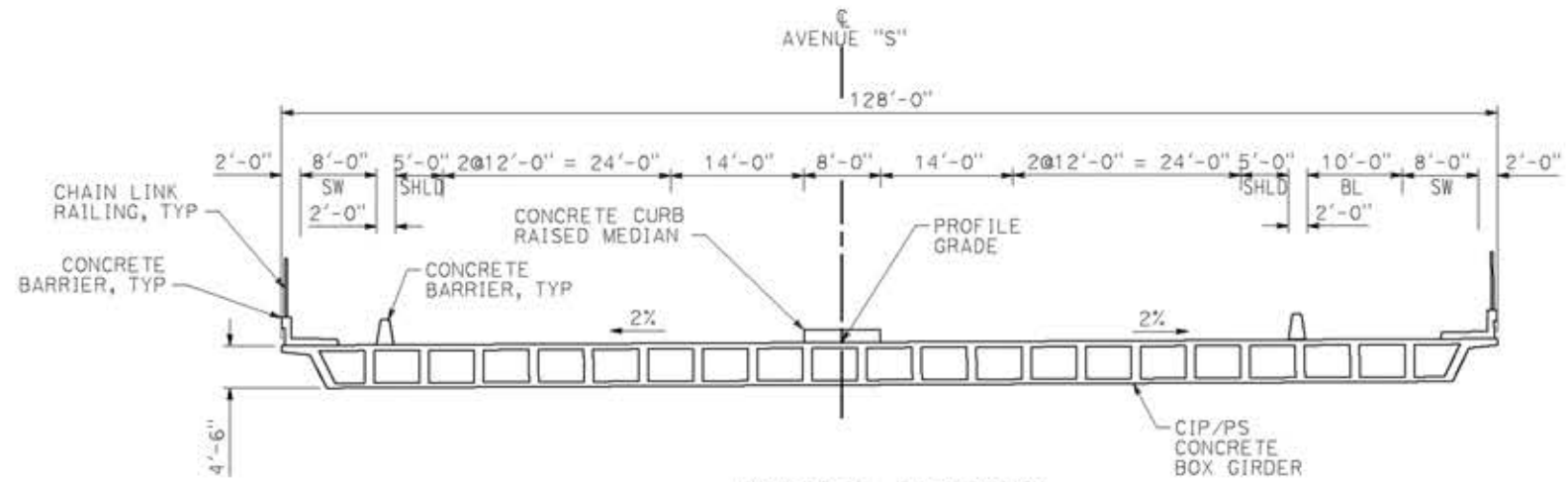




**PROFILE GRADE**  
NO SCALE



**ELEVATION**  
SCALE: 1" = 30'



**TYPICAL SECTION**  
SCALE: 1" = 10'



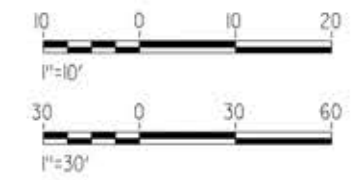
**PLAN**  
SCALE: 1" = 30'

**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



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14/05/2021 9:53:29

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

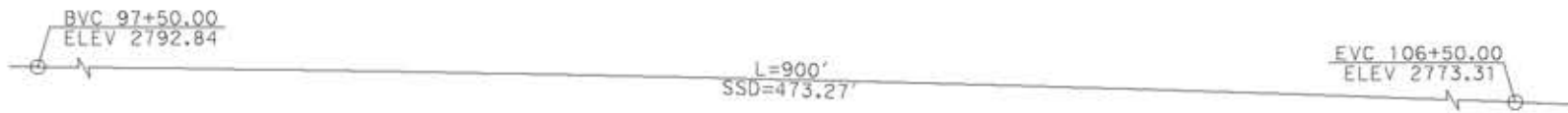
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



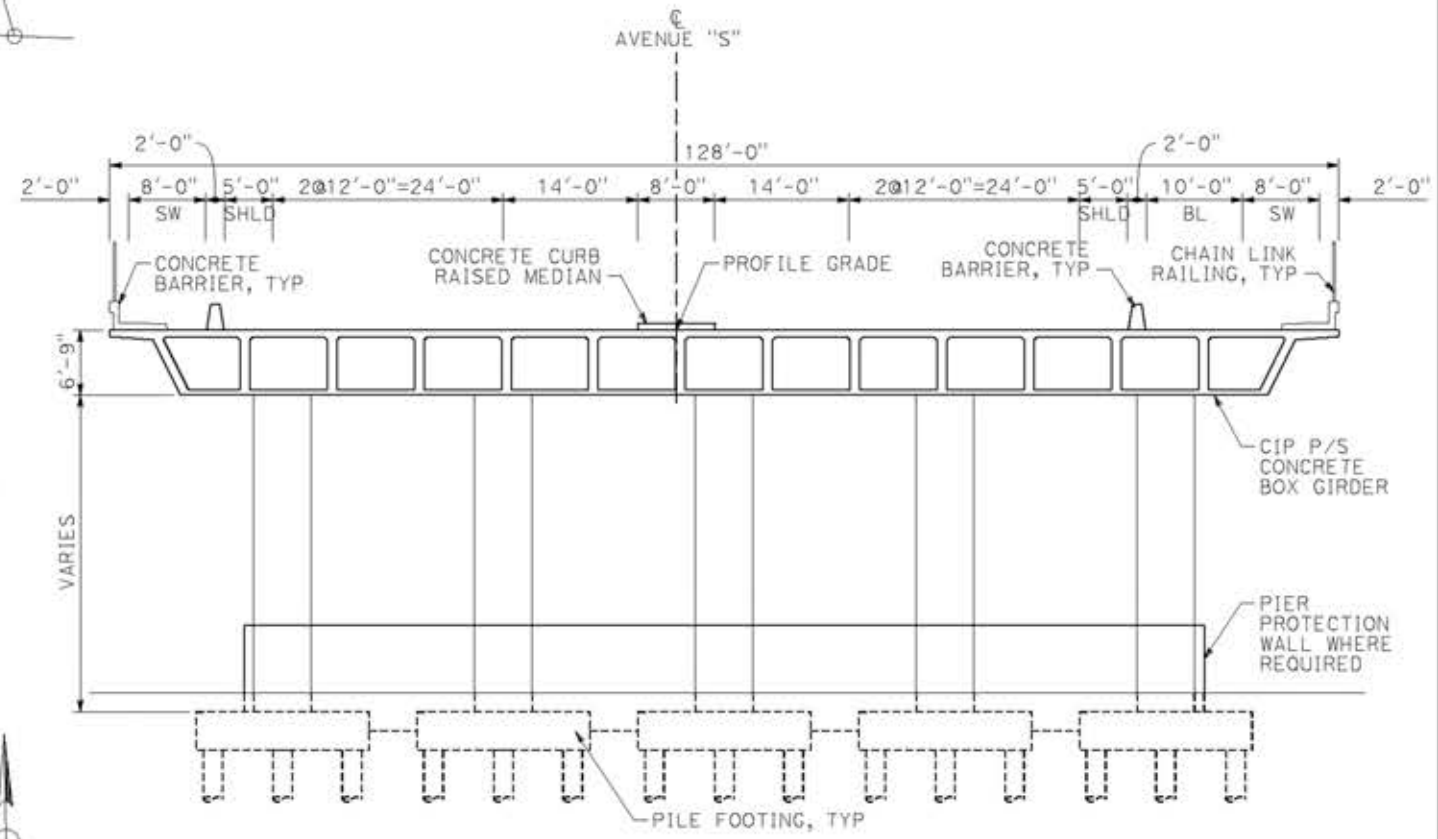
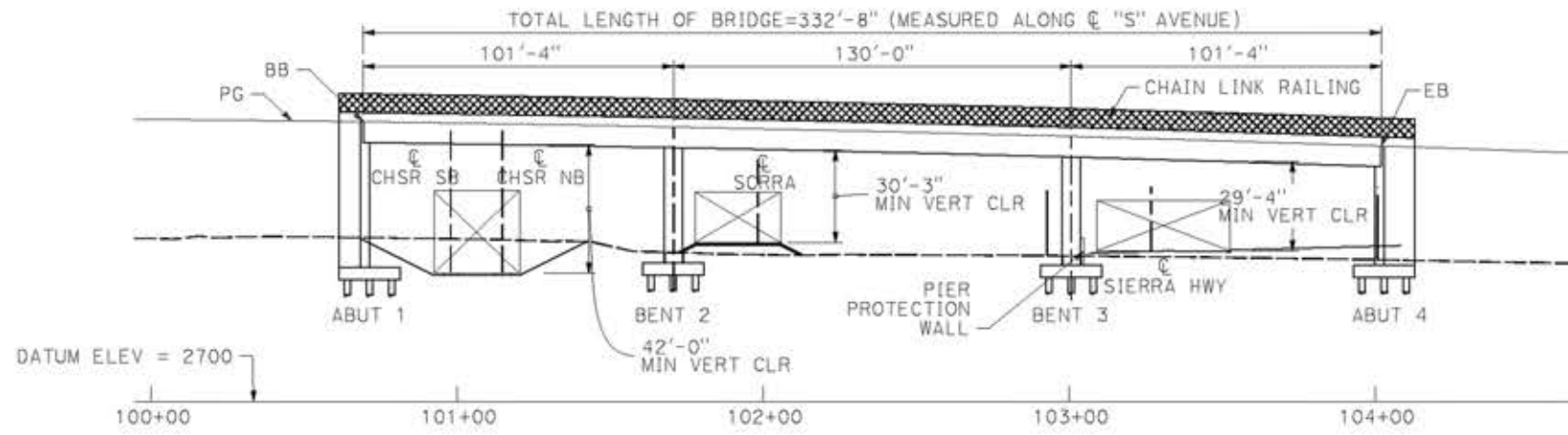
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
AVENUE S OVERCROSSING  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1404-E1  
SCALE  
AS SHOWN  
SHEET NO.





**PROFILE GRADE**  
NO SCALE



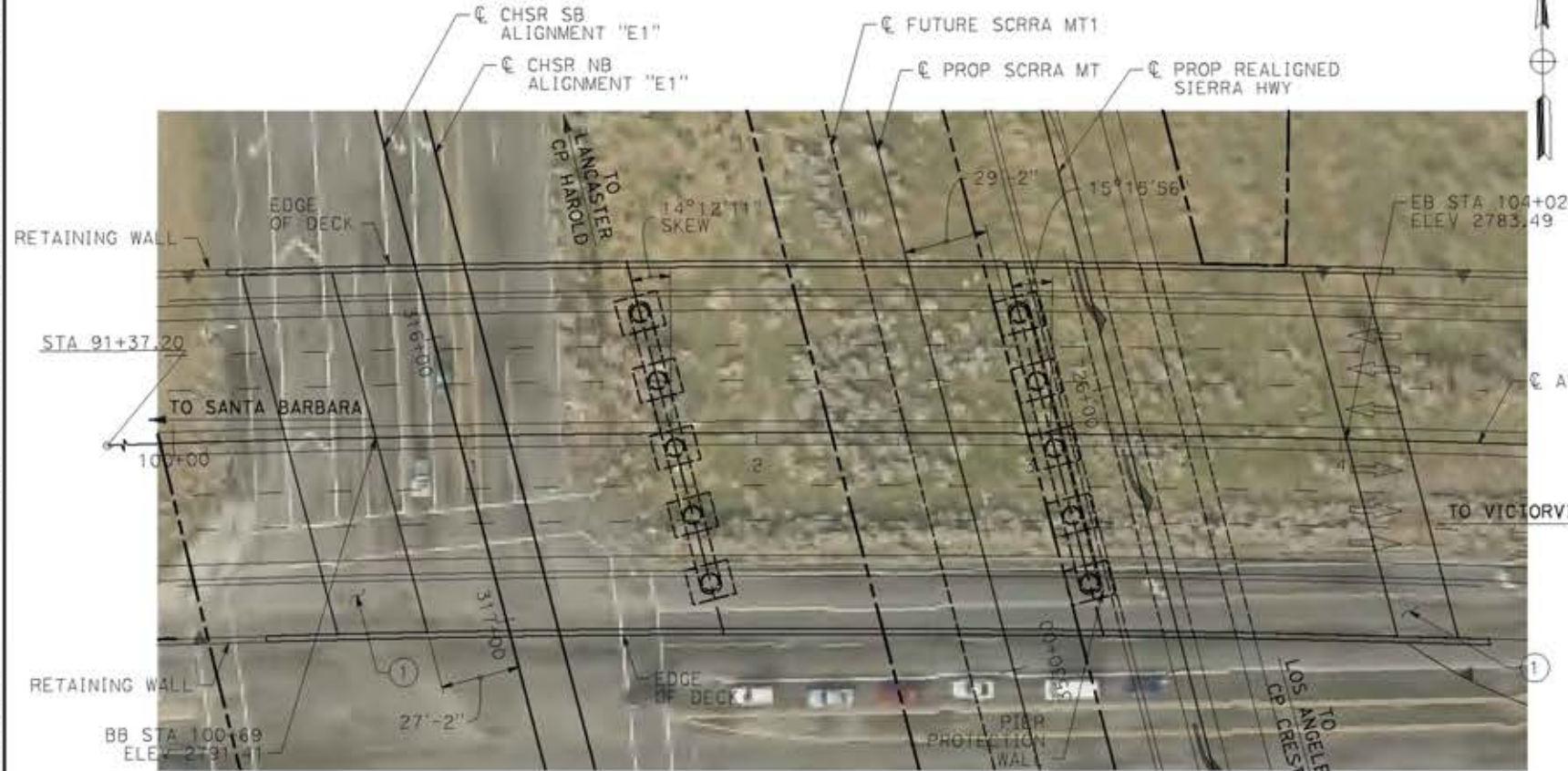
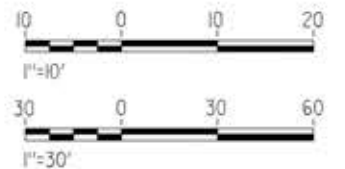
**TYPICAL SECTION**  
SCALE: 1" = 10'

**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



**PLAN**  
SCALE: 1" = 30'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**  
DRAWN BY  
**J. LOPEZ**  
CHECKED BY  
**J. REVOLTOS**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
AVENUE S OVERHEAD  
GENERAL PLAN

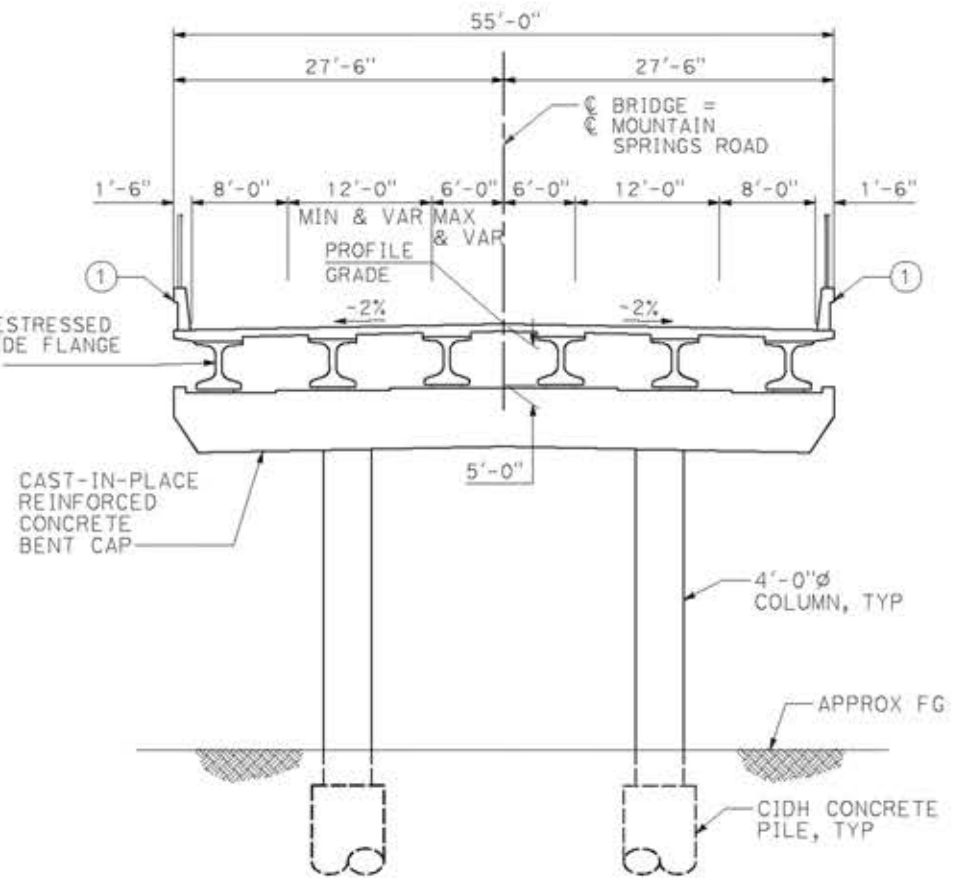
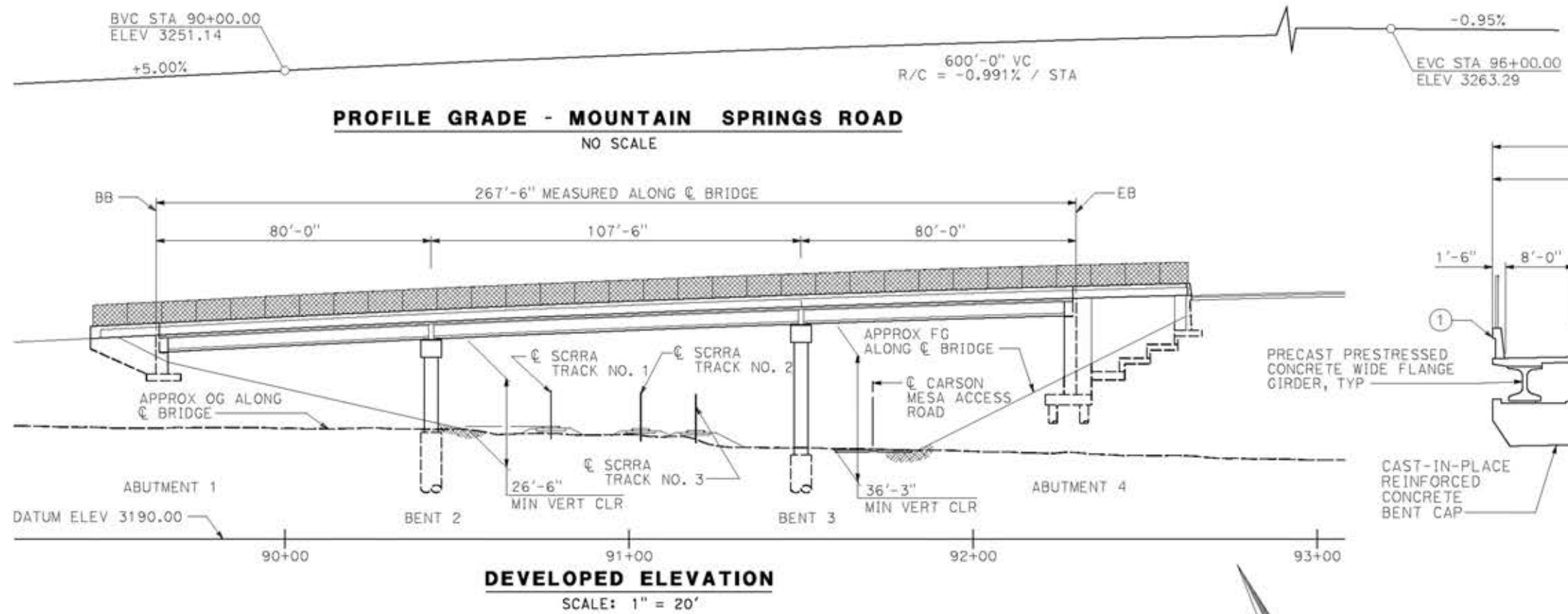
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1405-E1  
SCALE  
AS SHOWN  
SHEET NO.

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14/05/2021 9:53:50

0204814





**TYPICAL SECTION**  
SCALE: 1/8" = 1'-0"

**LEGEND:**

- ① TYPE 742 BARRIER WITH TYPE 7 CHAIN LINK FENCE
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION OR PROPOSED STRUCTURE
- ← INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

CURVE DATA			
R	Δ	T	L
① 1000.00'	17°17'39"	152.08'	301.84'



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14/05/2021 9:54:08

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. MOLINA**

DRAWN BY  
**J. LOPEZ**

CHECKED BY  
**J. REVOLTOS**

IN CHARGE  
**A. RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
MOUNTAIN SPRINGS ROAD WEST OVERHEAD  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1406-E1

SCALE  
AS SHOWN

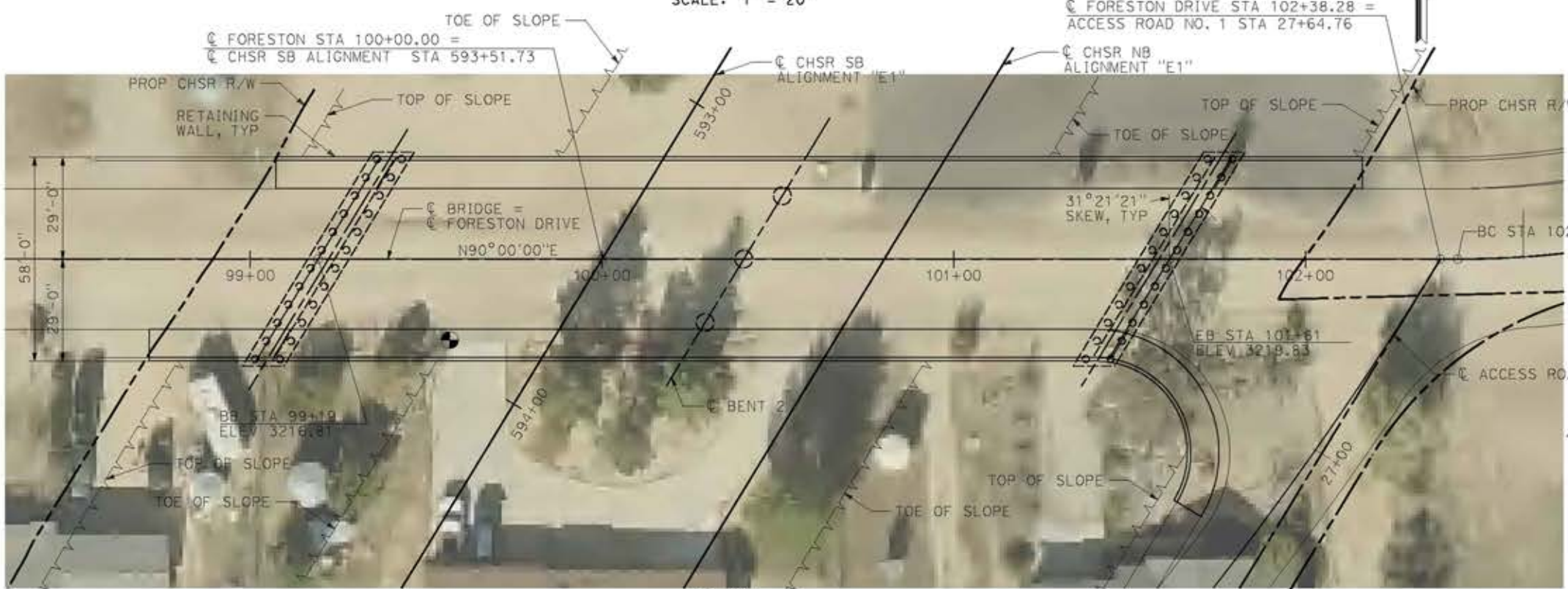
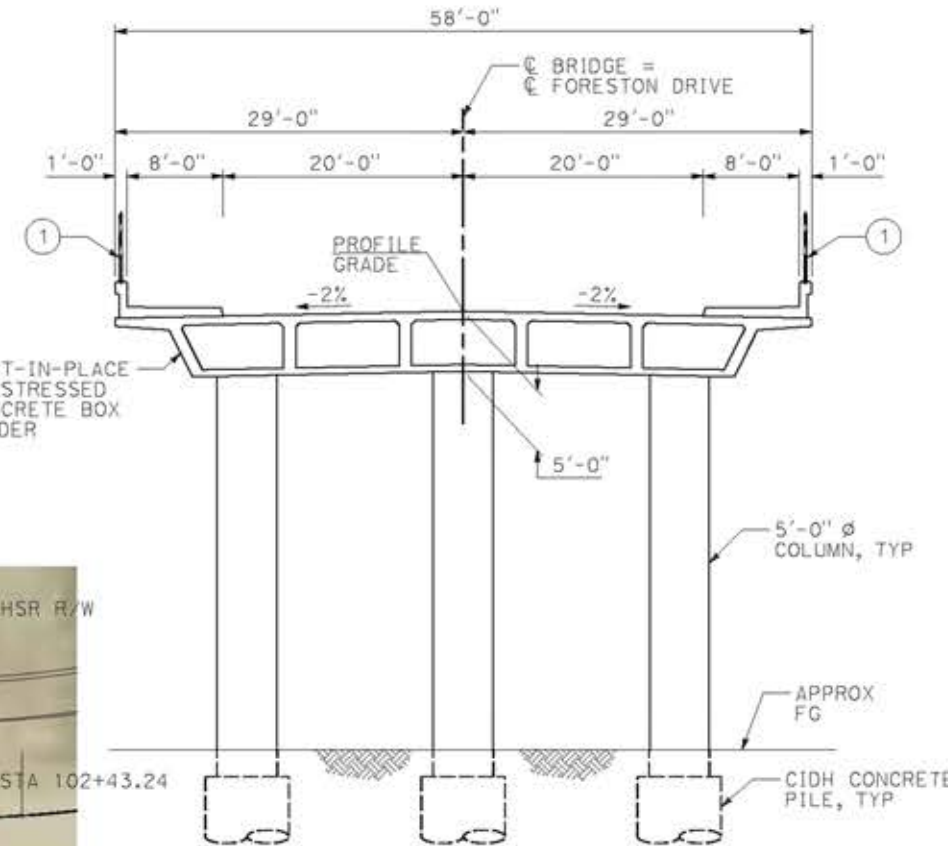
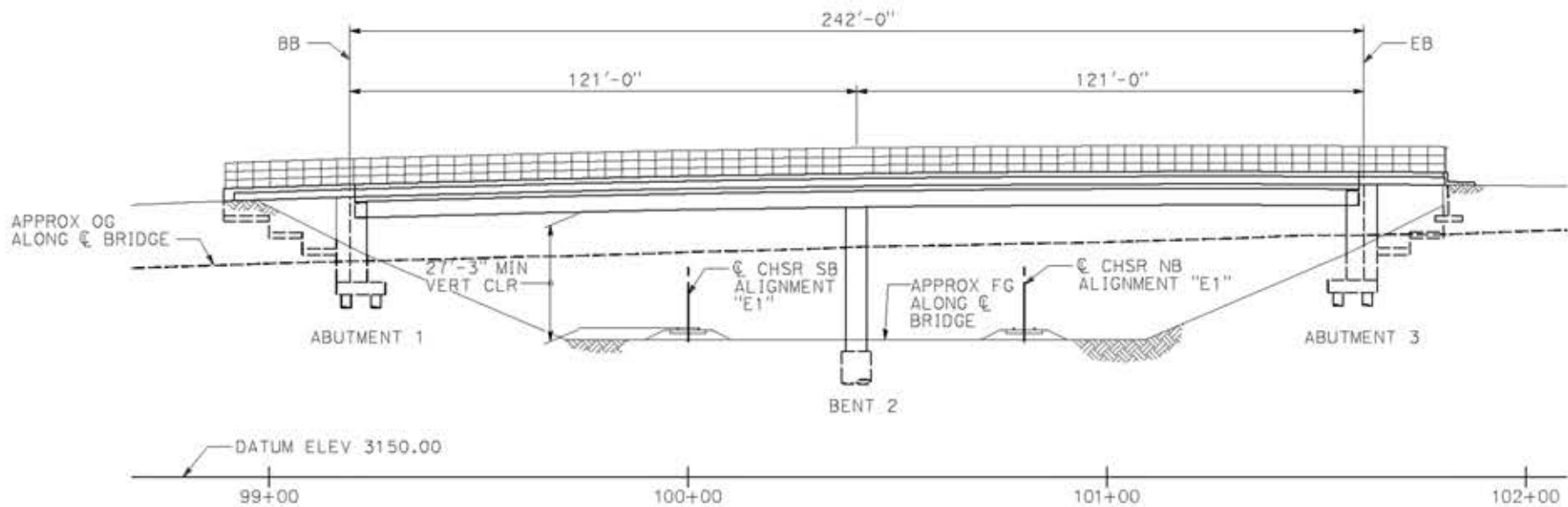
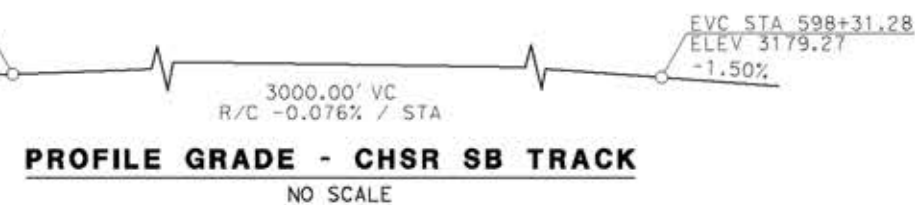
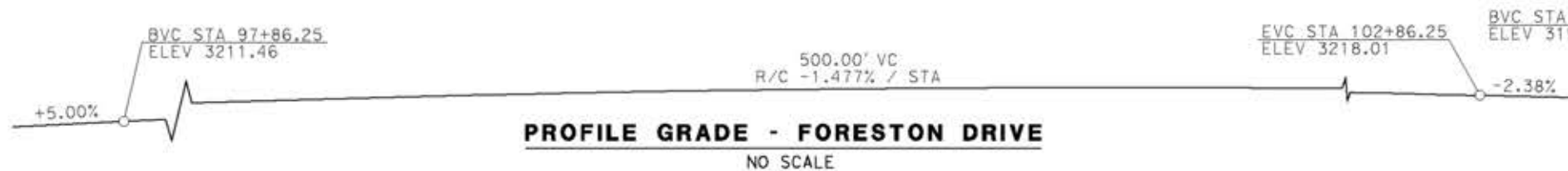
SHEET NO.



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14/05/2021 9:54:28

0204814



**ELEVATION**  
SCALE: 1" = 20'

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

**PLAN**  
SCALE: 1" = 20'

**LEGEND:**

- ① TYPE 26 (MOD) BARRIER WITH SOLID PROTECTIVE BARRIER
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION OR PROPOSED STRUCTURE
- ➔ INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

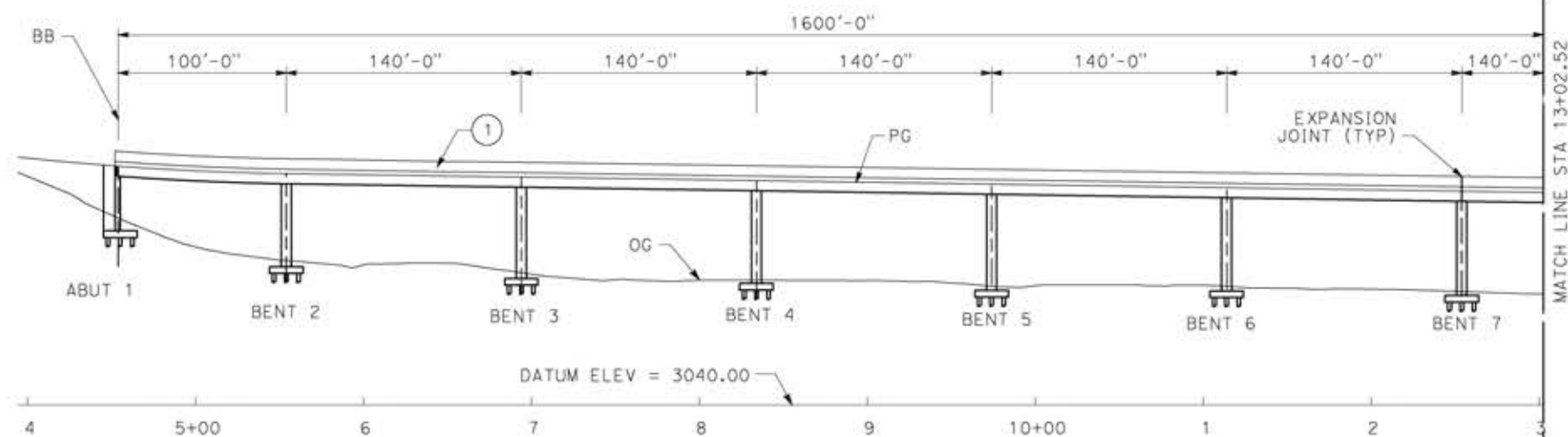
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
FORESTON DRIVE OVERHEAD  
GENERAL PLAN

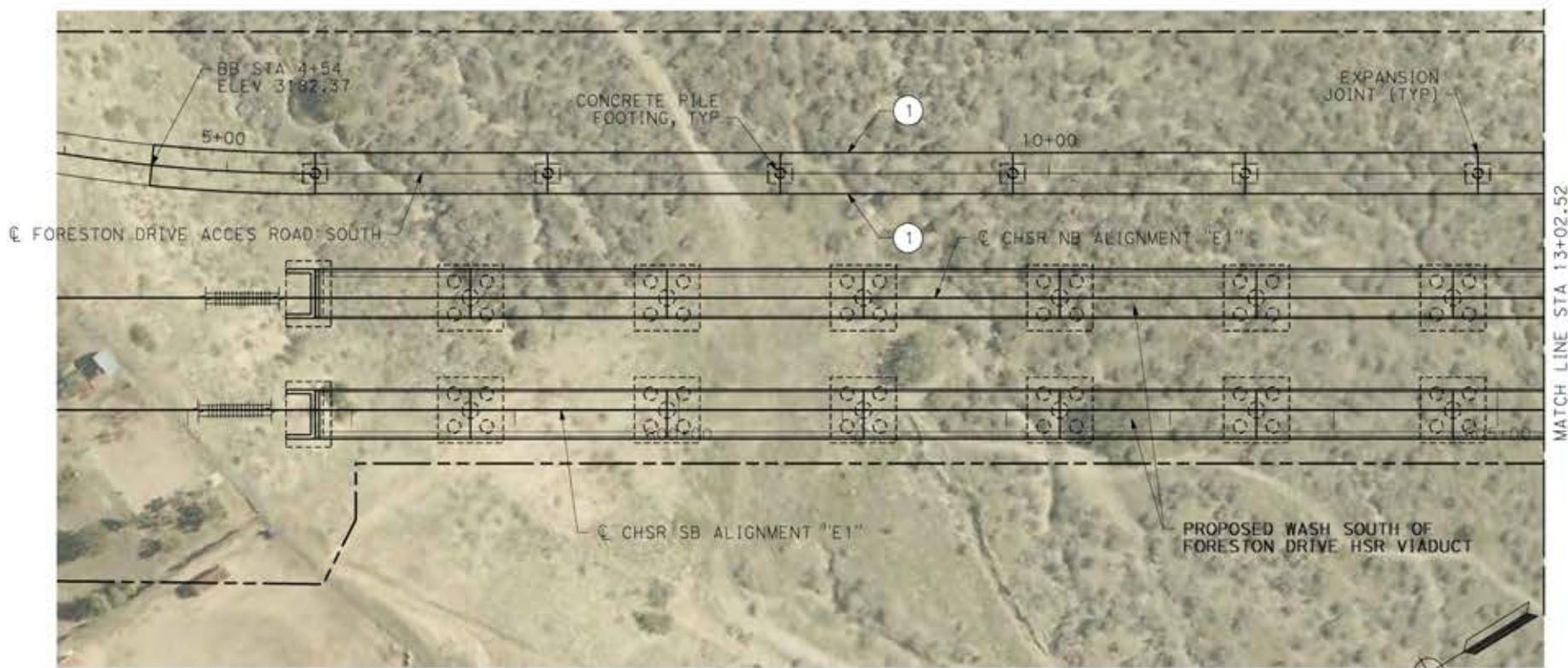
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1407-E1  
SCALE  
AS SHOWN  
SHEET NO.





**ELEVATION**

SCALE: 1"=50'



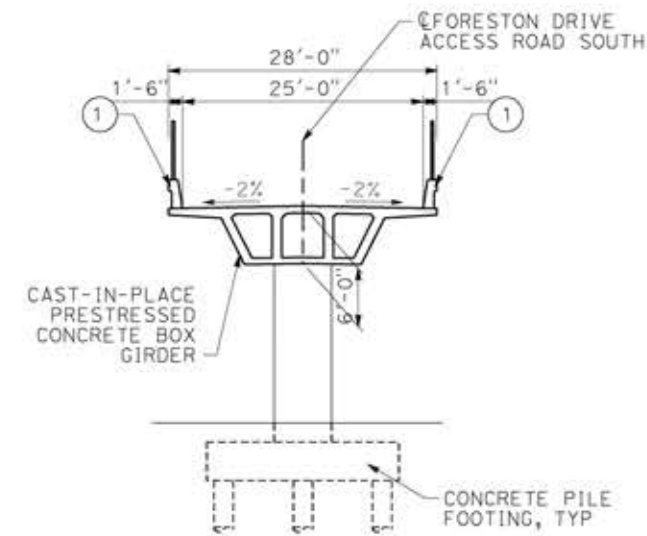
**PLAN**

SCALE: 1"=50'

LEGEND:

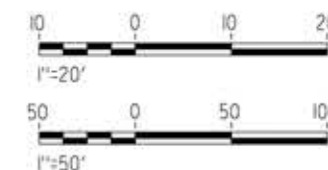
- ① PARAPET
- INDICATES NEW CONSTRUCTION

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.



**TYPICAL SECTION**

SCALE: 1"=10'



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18/05/2021 14:16:06

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
FORESTON SOUTH ACCESS ROAD  
GENERAL PLAN  
SHEET 1 OF 2

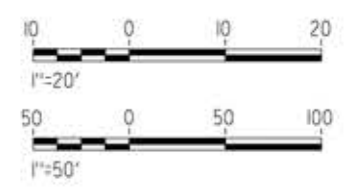
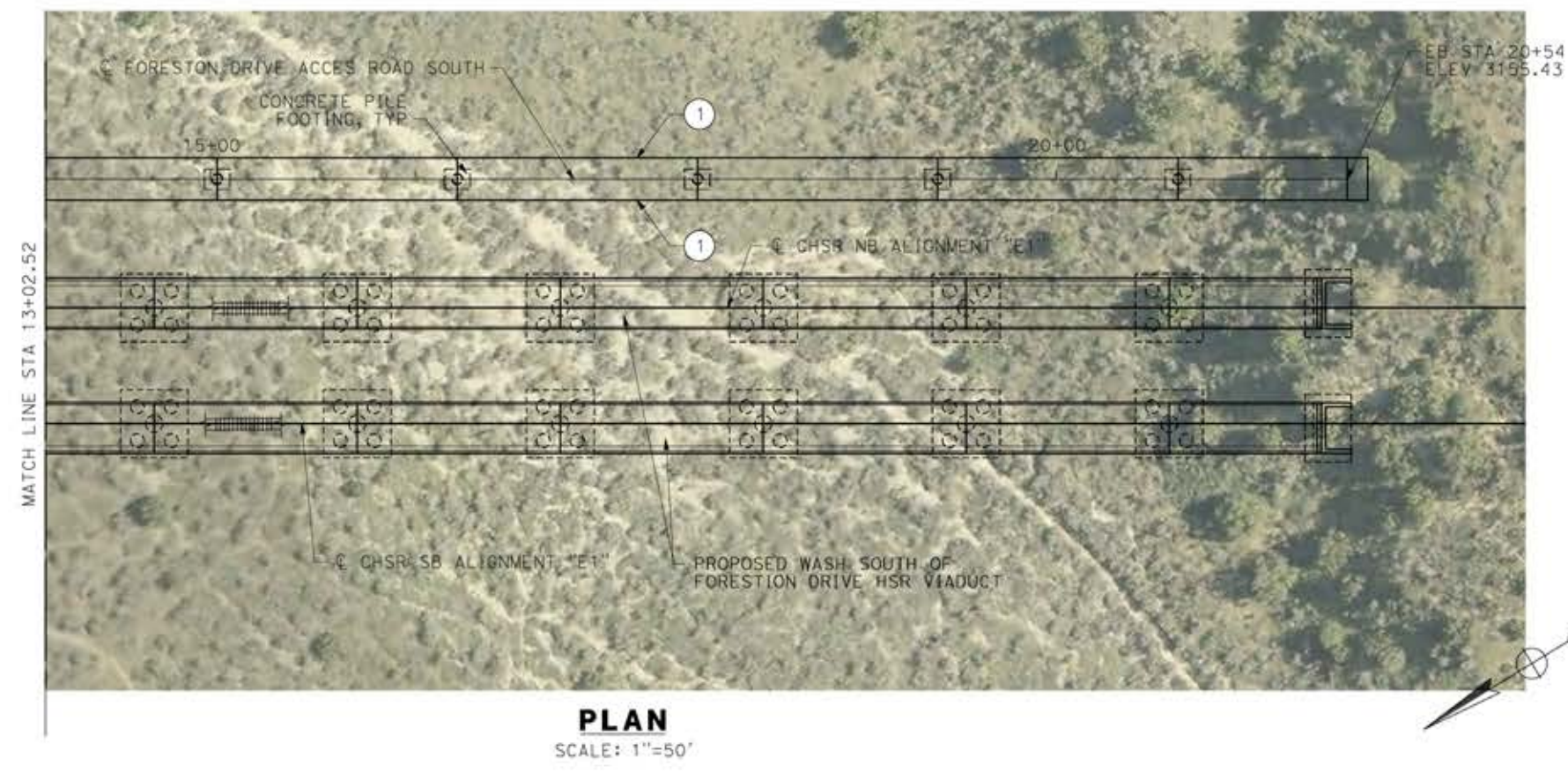
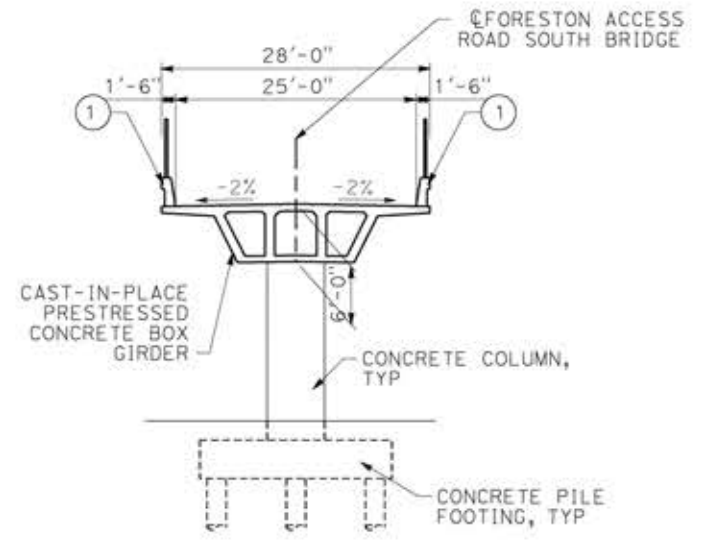
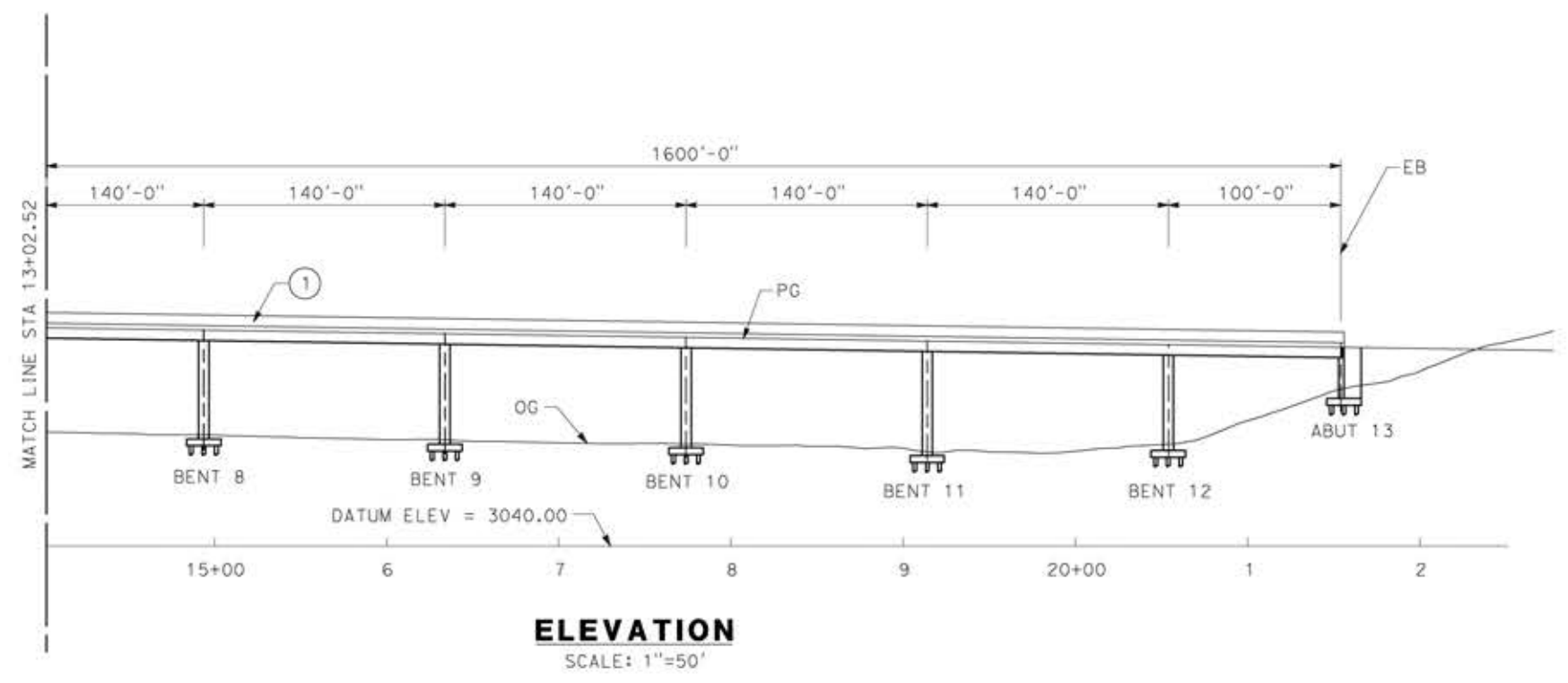
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1408-E1  
SCALE  
AS SHOWN  
SHEET NO.



LEGEND:

- ① PARAPET
- INDICATES NEW CONSTRUCTION

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.



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18/05/2021 14:18:34

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 FORESTON SOUTH ACCESS ROAD  
 GENERAL PLAN  
 SHEET 2 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1409-E1

SCALE  
AS SHOWN

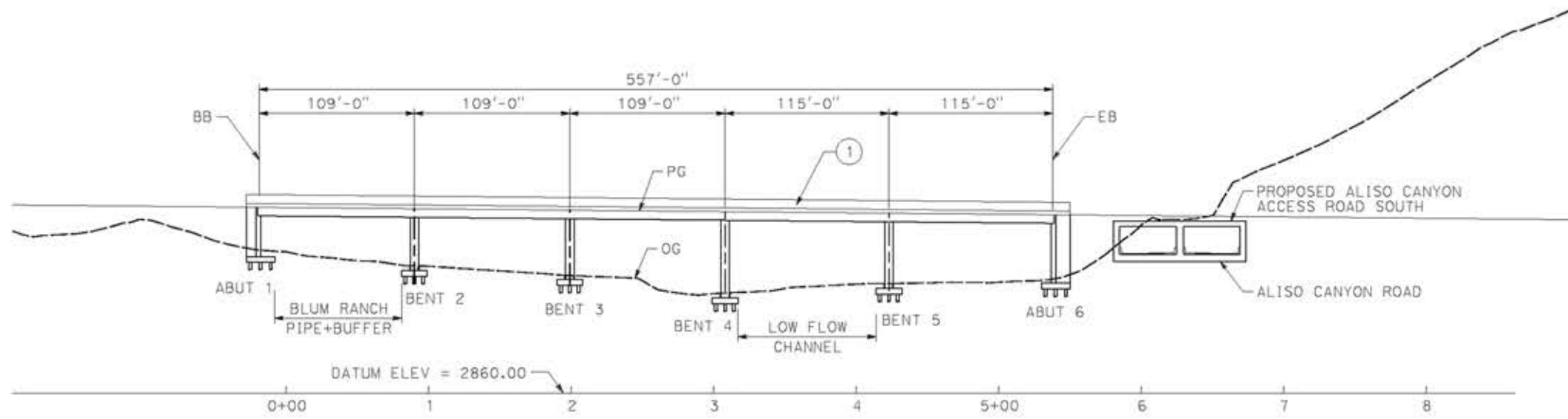
SHEET NO.



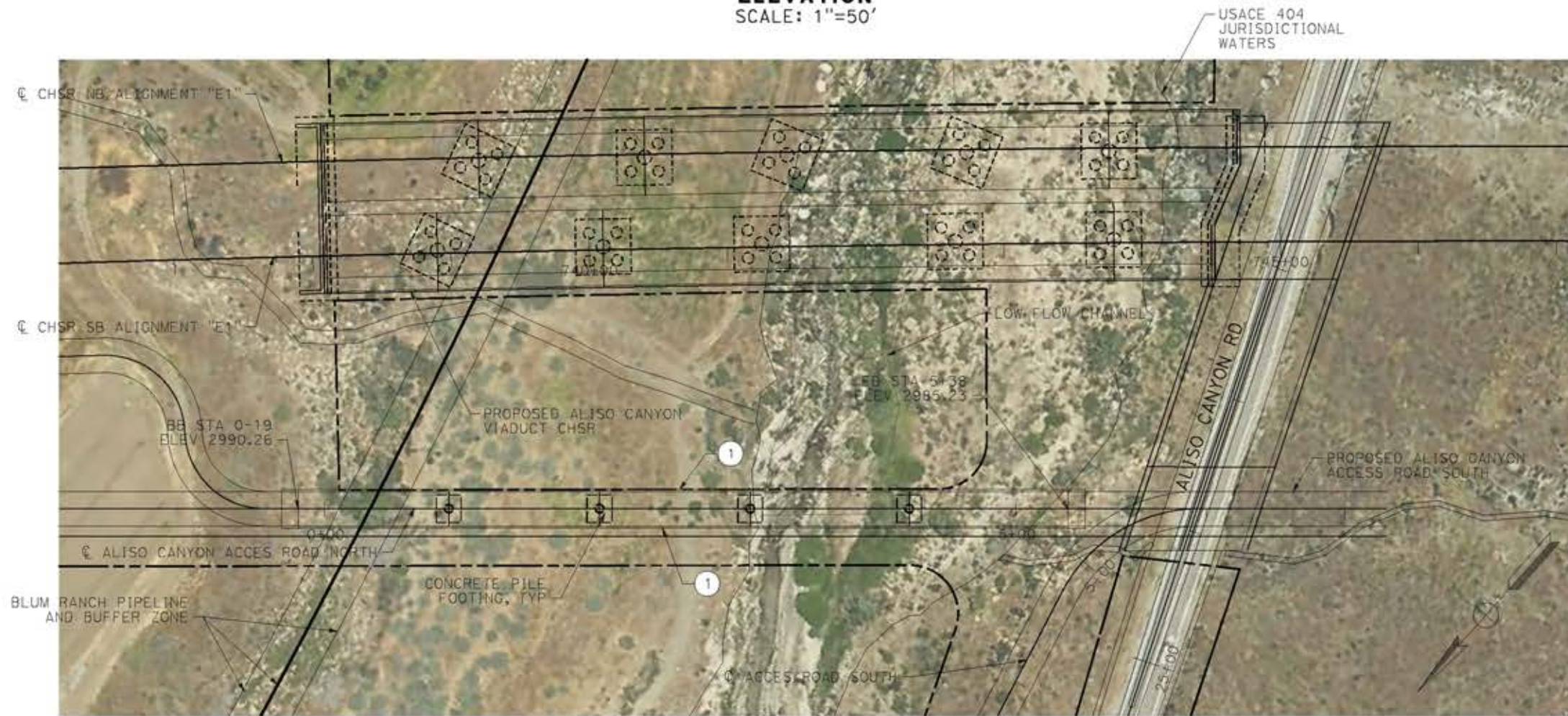
LEGEND:

- ① PARAPET
- INDICATES NEW CONSTRUCTION

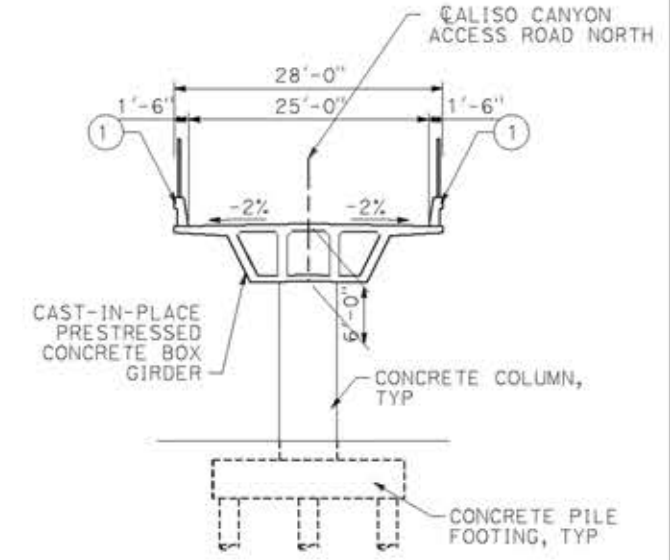
NOTE:  
 ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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



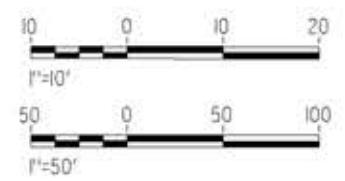
**ELEVATION**  
 SCALE: 1"=50'



**PLAN**  
 SCALE: 1"=50'



**TYPICAL SECTION**  
 SCALE: 1"=10'



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14/05/2021 9:55:32

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 ALISO CANYON ACCESS ROAD NORTH  
 GENERAL PLAN

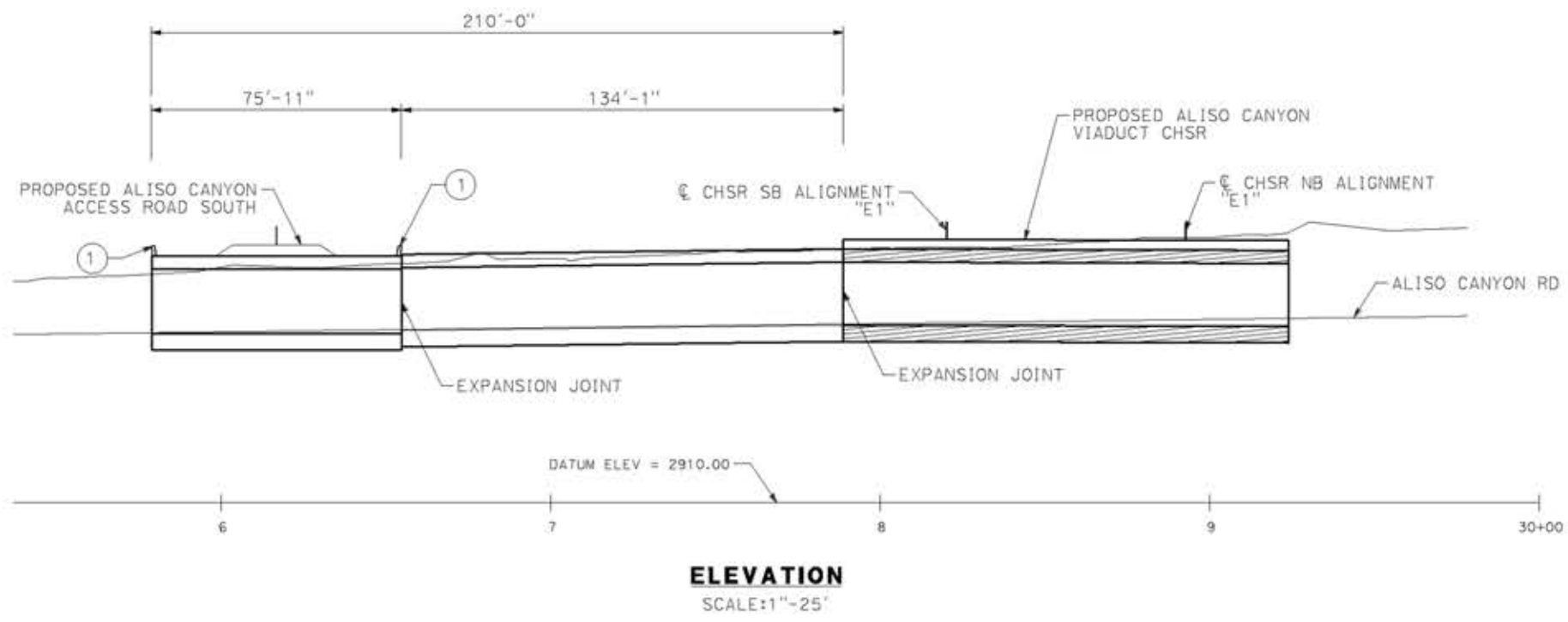
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HSR14-42

DRAWING NO.  
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SCALE  
AS SHOWN

SHEET NO.



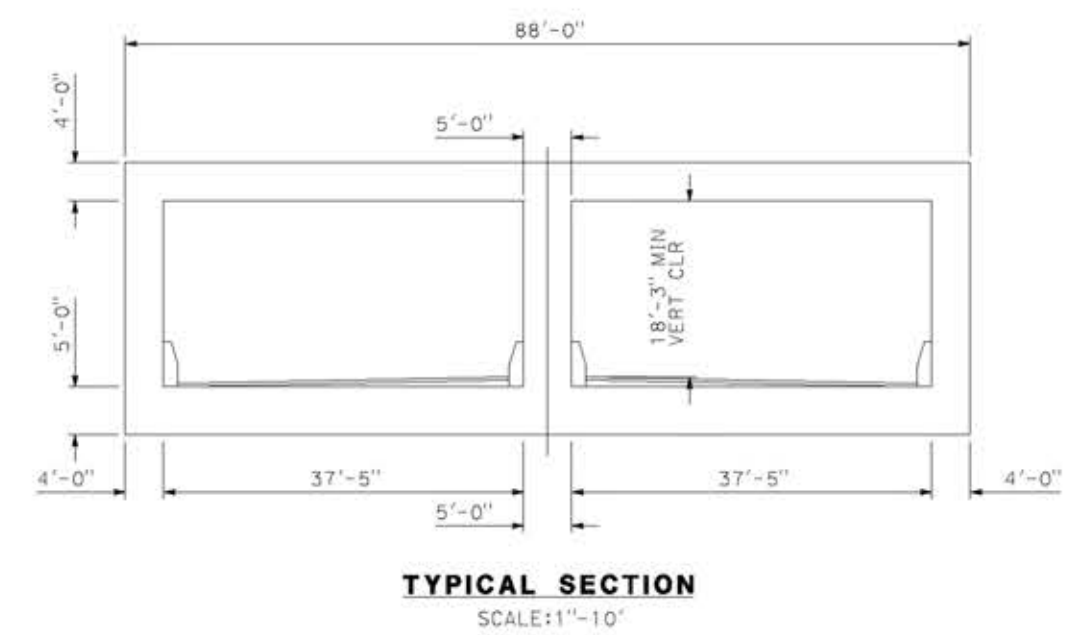


**LEGEND:**

① PARAPET

— INDICATES NEW CONSTRUCTION

**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.



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14/05/2021 10:00:58

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELAÑO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
ALISO CANYON ACCESS ROAD SOUTH  
GENERAL PLAN

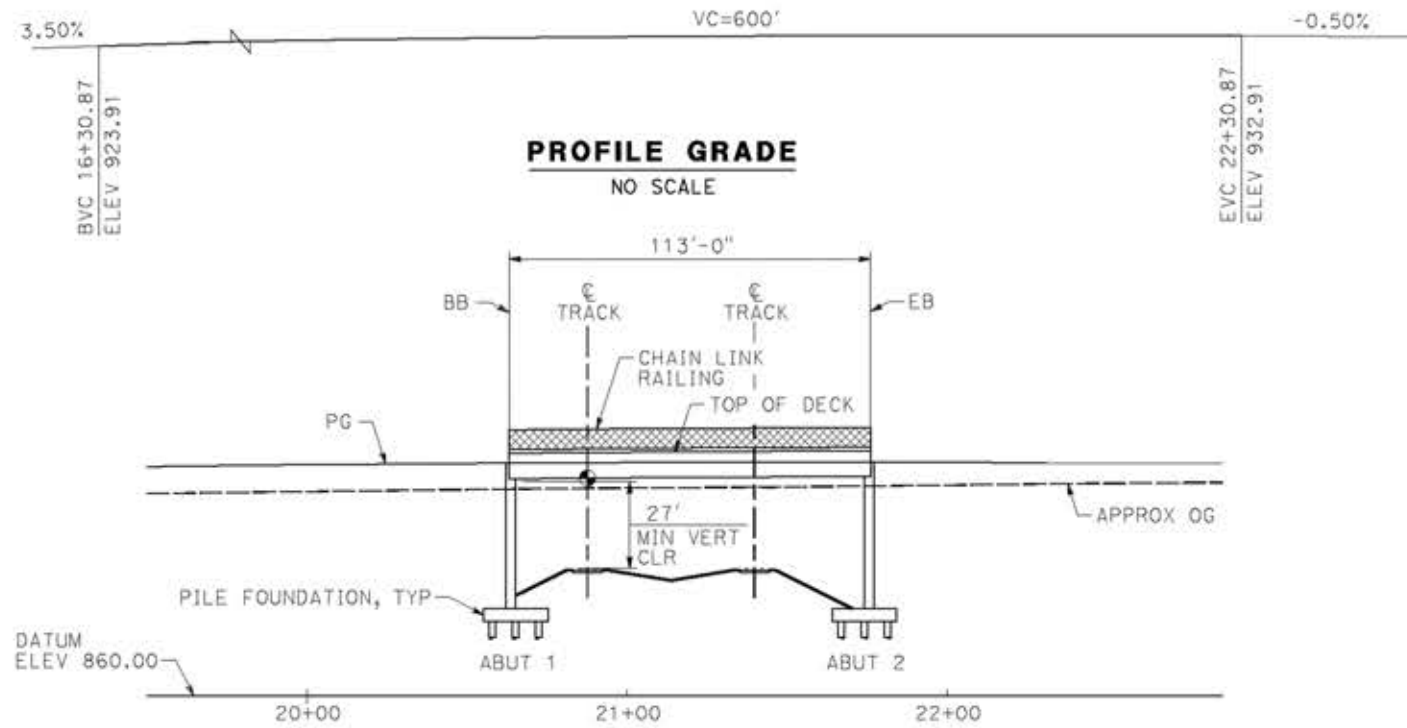
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HSR14-42

DRAWING NO.  
ST-J1411-E1

SCALE  
AS SHOWN

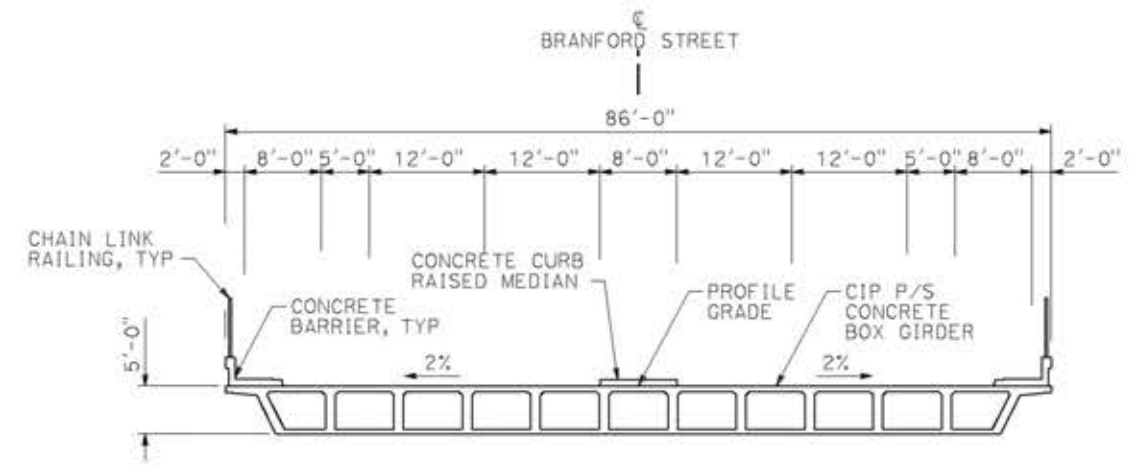
SHEET NO.



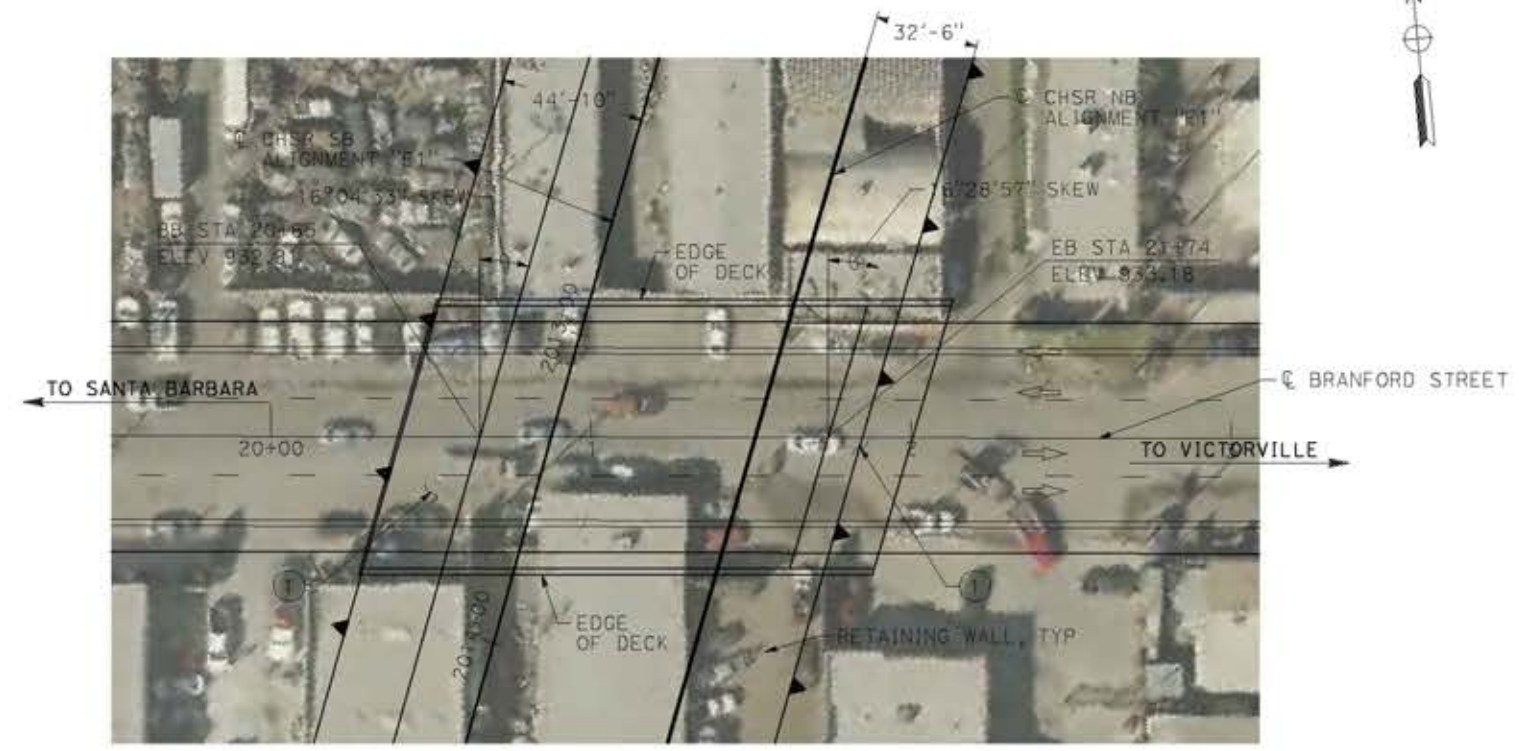


**PROFILE GRADE**  
NO SCALE

**ELEVATION**  
SCALE: 1" = 30'



**TYPICAL SECTION**  
SCALE: 1" = 10'



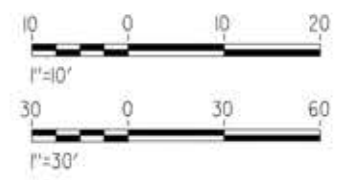
**PLAN**  
SCALE: 1" = 30'

**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

**NOTE:**

SEE GENERAL NOTES PLAN



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14/05/2021 10:01:15

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELAÑO**  
DATE  
**04/30/2021**

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



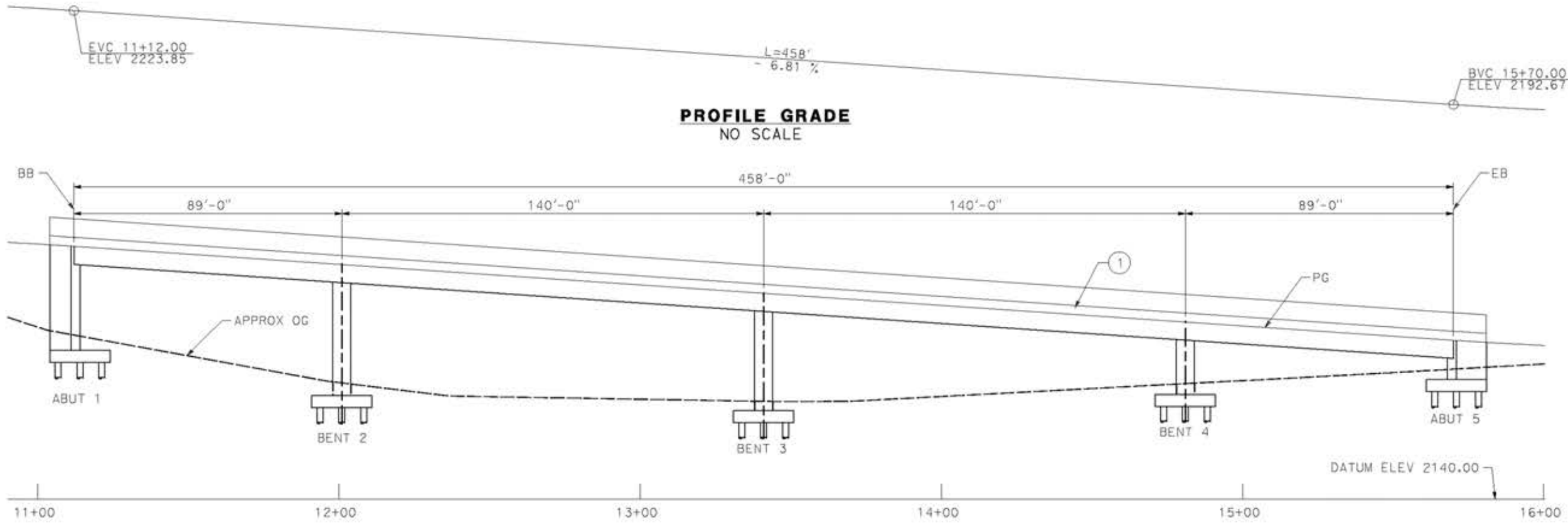
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**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
BRANFORD STREET OVERHEAD  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1412-E1  
SCALE  
AS SHOWN  
SHEET NO.

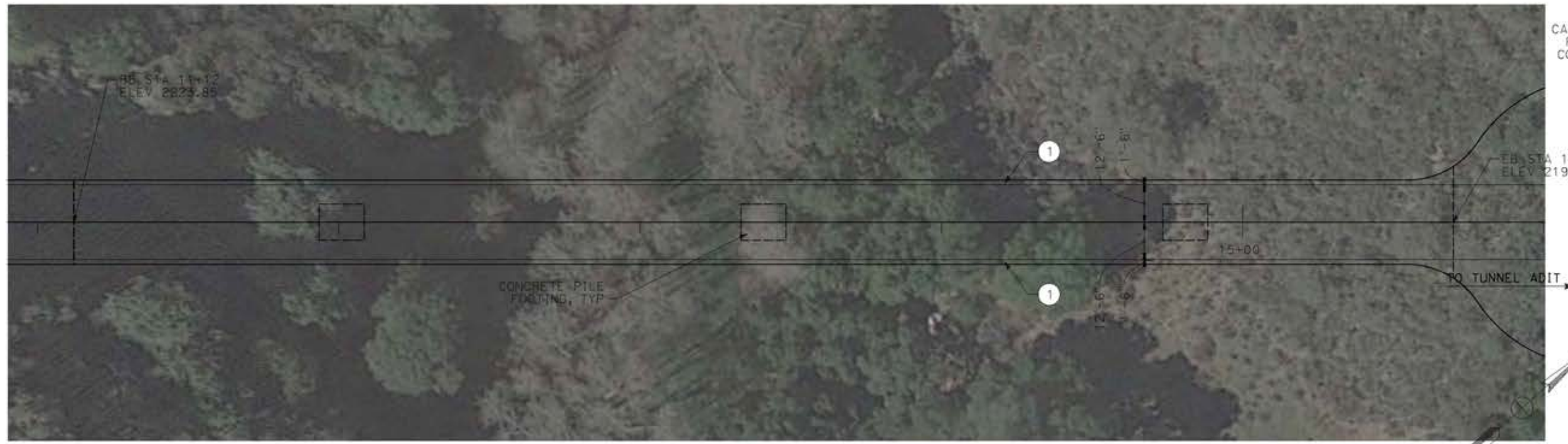


LEGEND:  
 ① PARAPET  
 — INDICATES NEW CONSTRUCTION

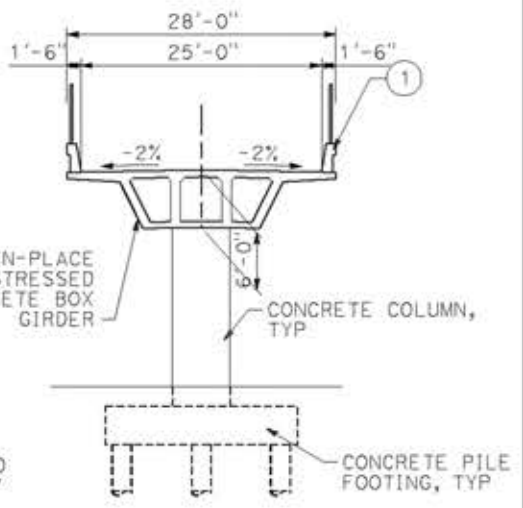
NOTE:  
 ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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



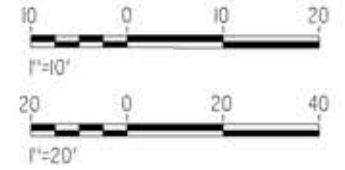
**PROFILE GRADE**  
 NO SCALE



**PLAN**  
 SCALE: 1"=20'



**TYPICAL SECTION**  
 SCALE: 1"=10'



ct:\pwork\ngdir\sener-us-pw\bentley.com\_sener-us-pw-01\ignocio.vergara\dms19616\p9-51-J1413-E1.dgn

14/05/2021 10:01:34

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
 DRAWN BY  
**J.LOPEZ**  
 CHECKED BY  
**J.REVOLTOS**  
 IN CHARGE  
**A.RELARO**  
 DATE  
**04/30/2021**

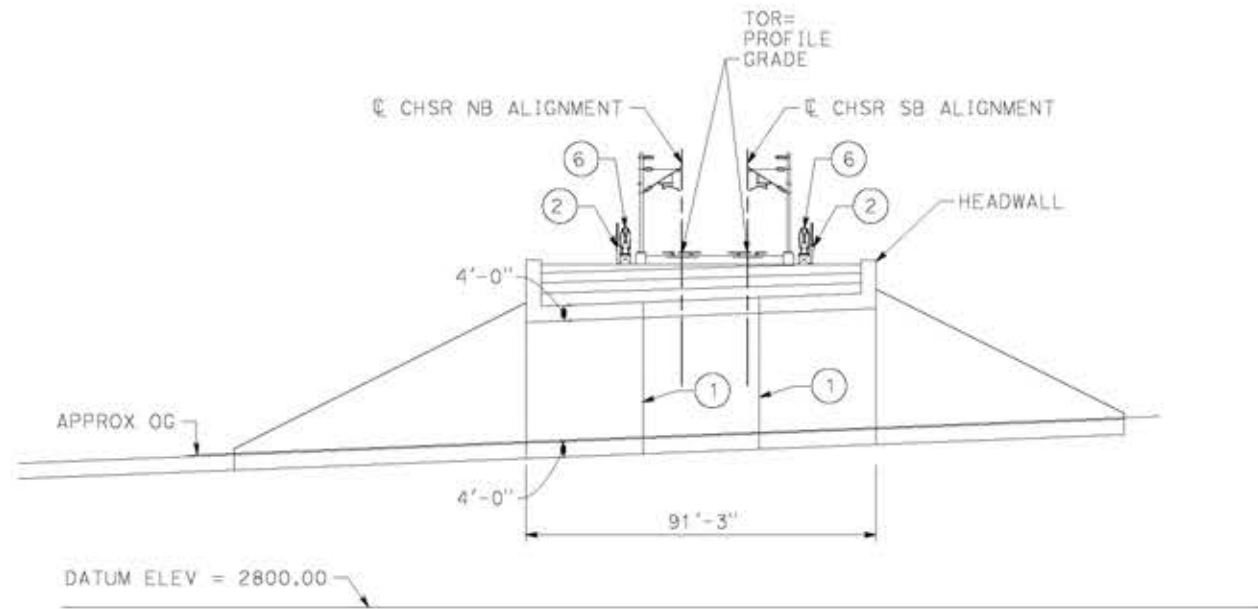
**PEPD RECORD SET**  
 REV 02  
**NOT FOR CONSTRUCTION**



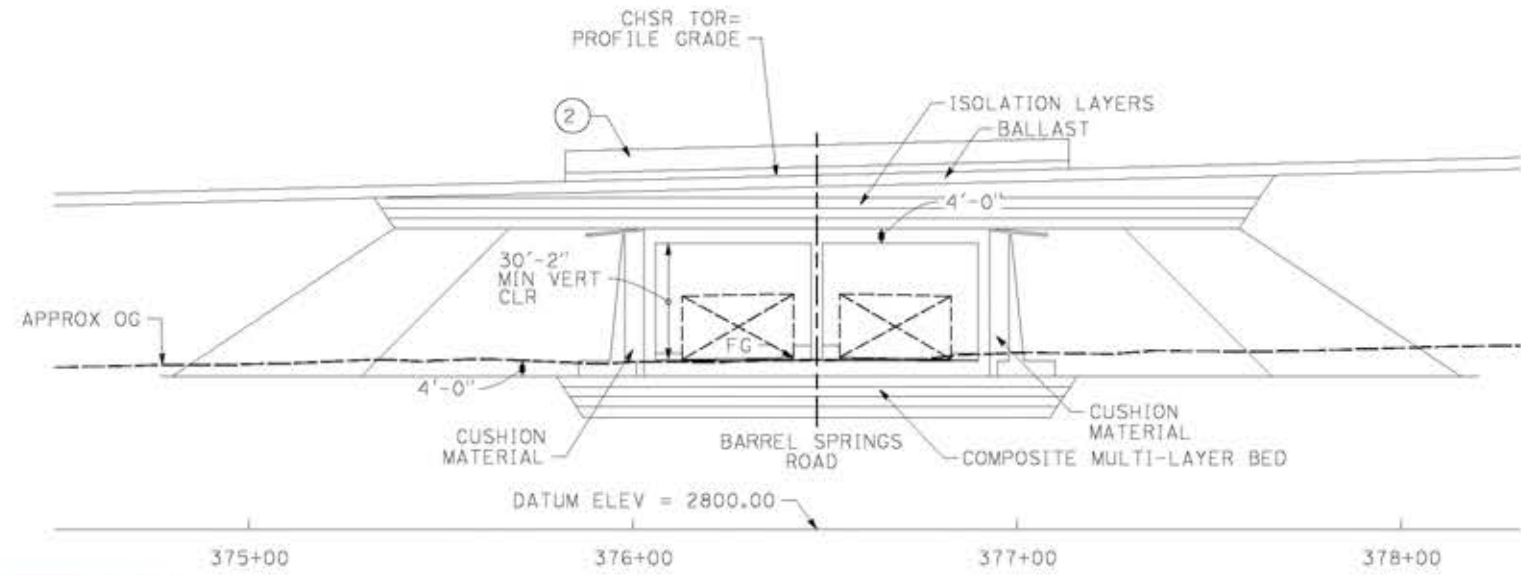
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 ADIT ACCESS ROAD E1 STA 1485  
 GENERAL PLAN

CONTRACT NO.  
HSR14-42  
 DRAWING NO.  
ST-J1413-E1  
 SCALE  
AS SHOWN  
 SHEET NO.

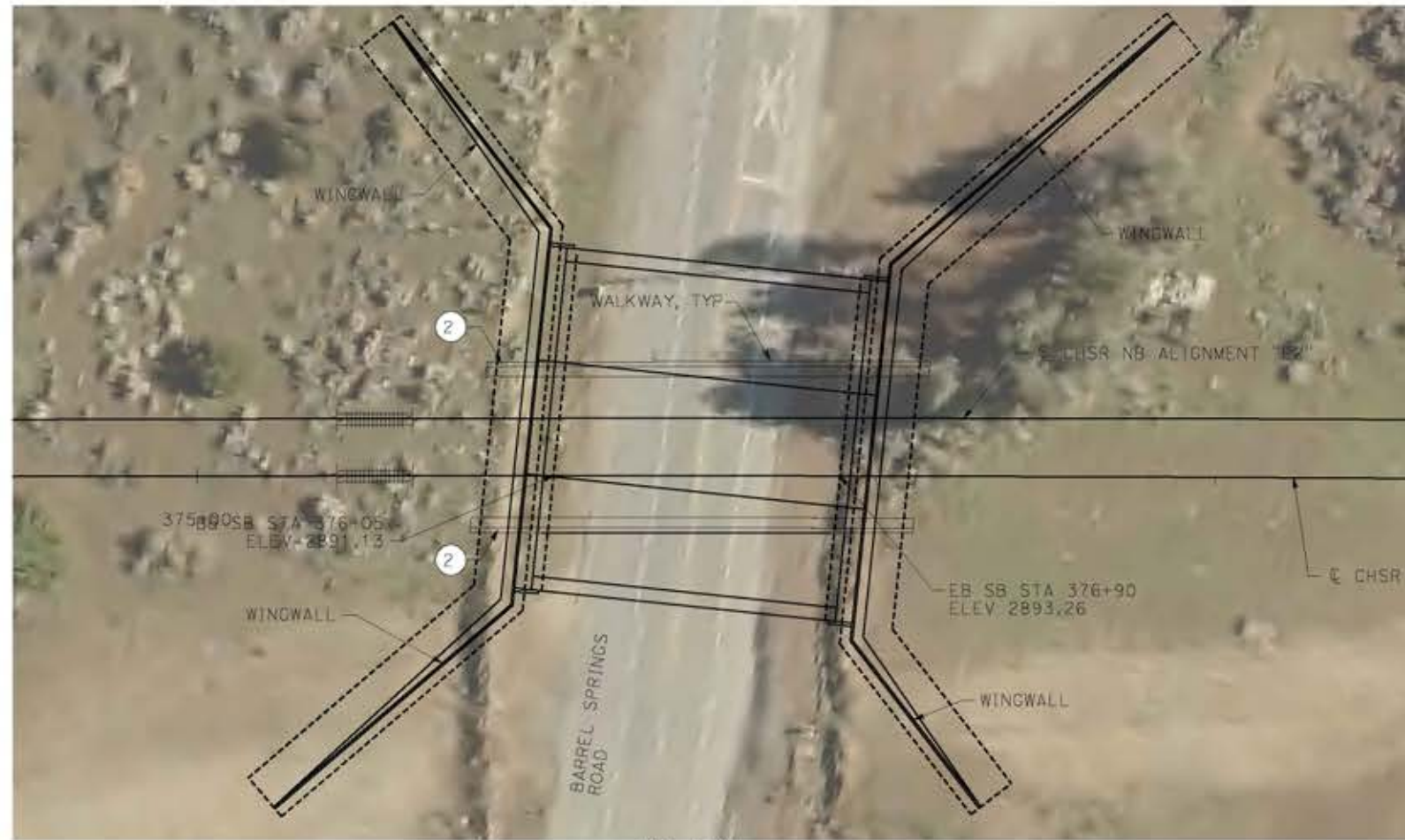




**TYPICAL SECTION**  
SCALE: 1"=25'




**LOOKING EAST**  
SCALE: 1"=25'

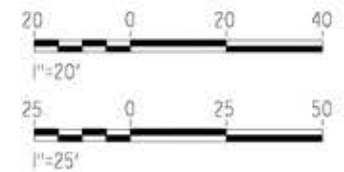


**PLAN**  
SCALE: 1"=25'

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



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14/05/2021 11:20:11

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

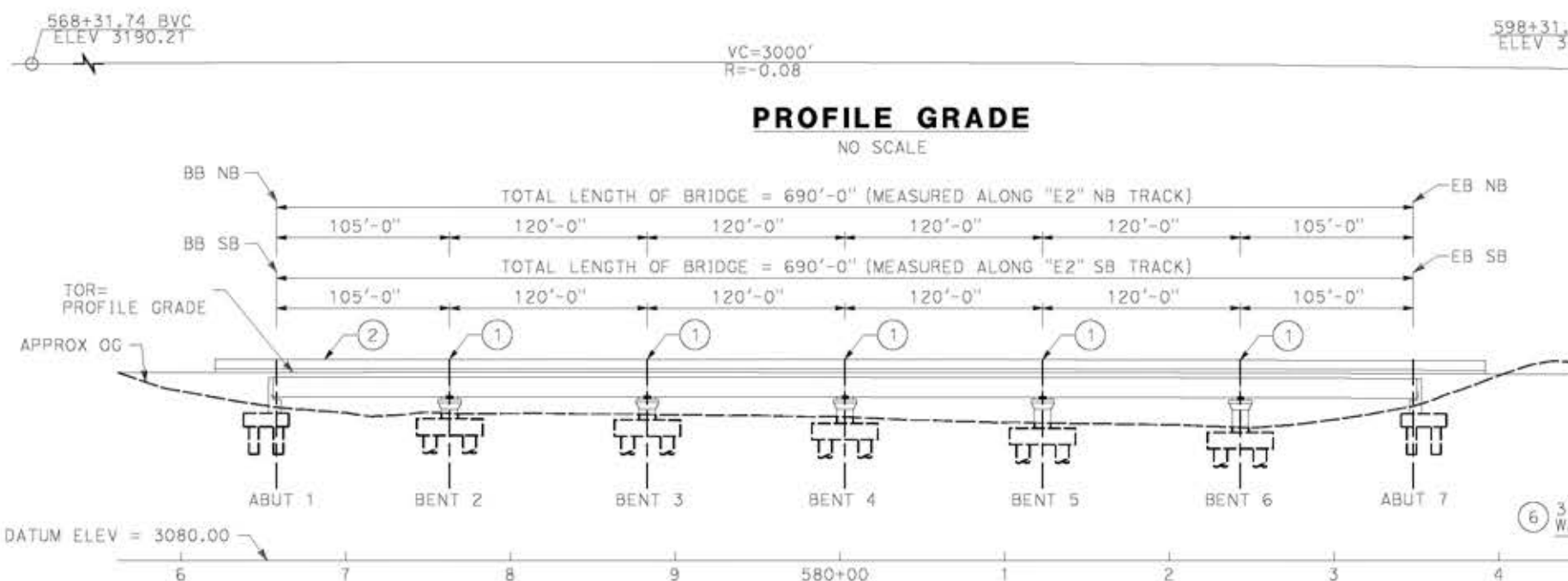
PEPD RECORD SET  
REV 02  
  
NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
BARREL SPRINGS ROAD UNDERPASS  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1008-E2  
SCALE  
AS SHOWN  
SHEET NO.





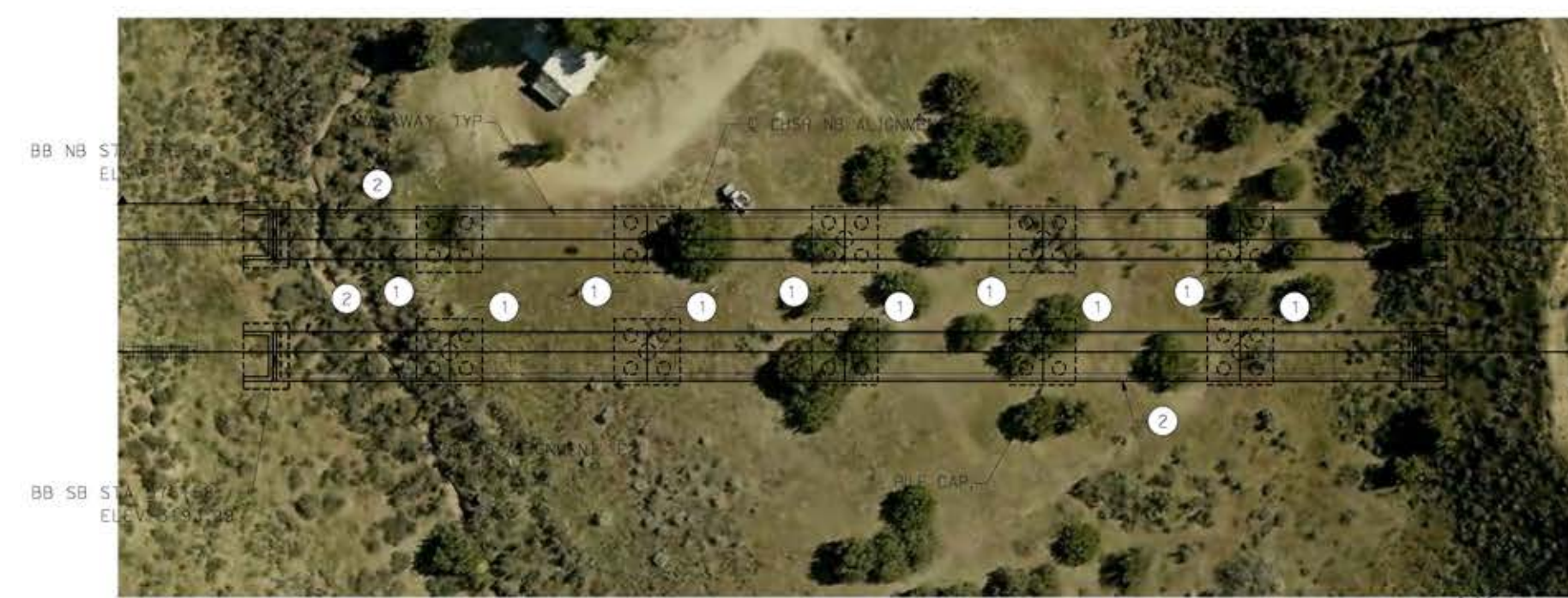
**PROFILE GRADE**  
NO SCALE

**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.

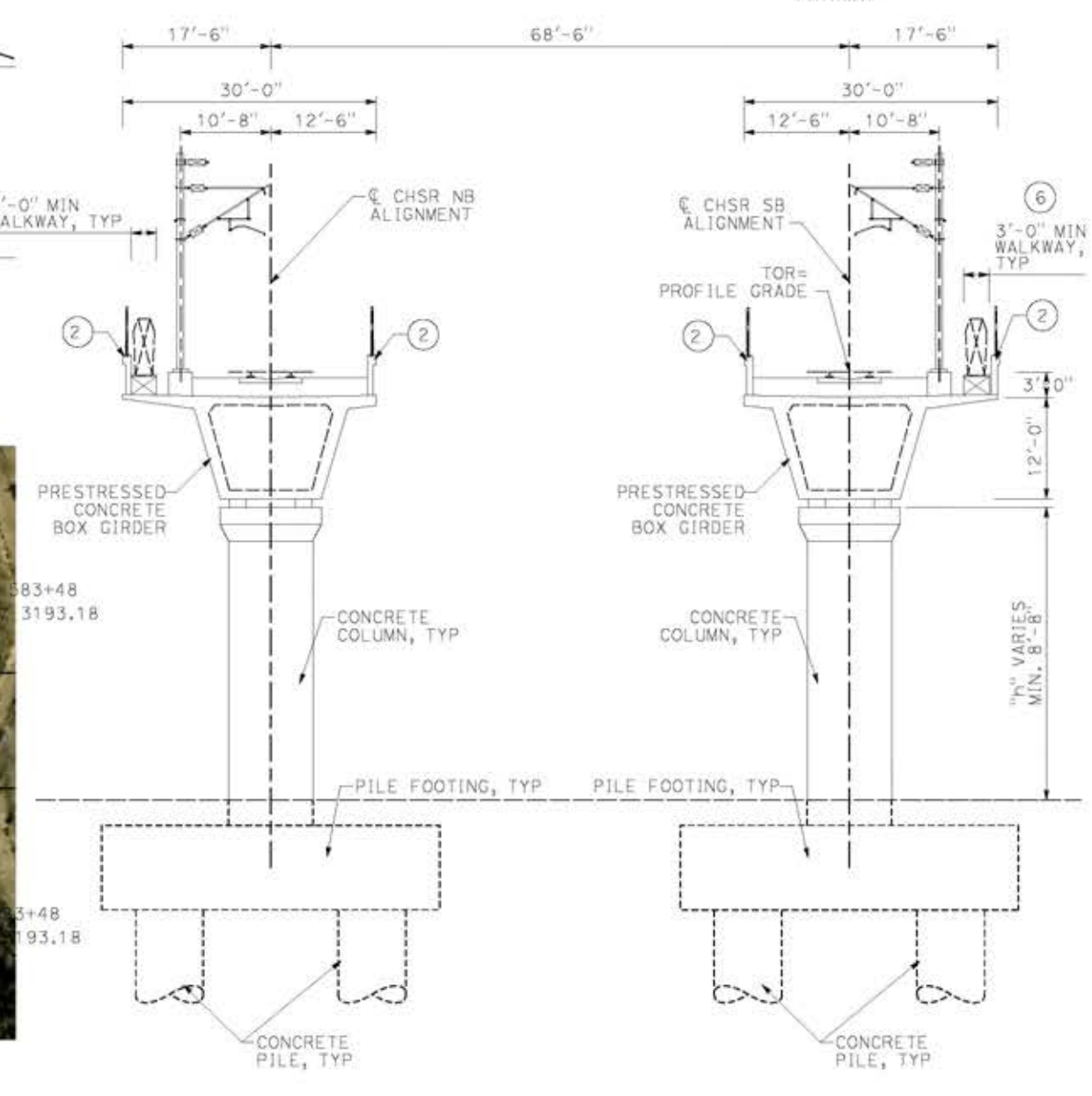
- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
  - ① EXPANSION JOINT, TYP
  - ② CONCRETE BARRIER
  - ③ GUARDRAIL OR PIER PROTECTION WALL
  - ④ NORMALIZING SLAB
  - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
  - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



**ELEVATION**  
SCALE: 1"=50'



**PLAN**  
SCALE: 1"=50'



**TYPICAL SECTION**  
SCALE: 1"=10'

14/05/2021 11:20:34  
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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  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
NORTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1009-E2

SCALE  
AS SHOWN

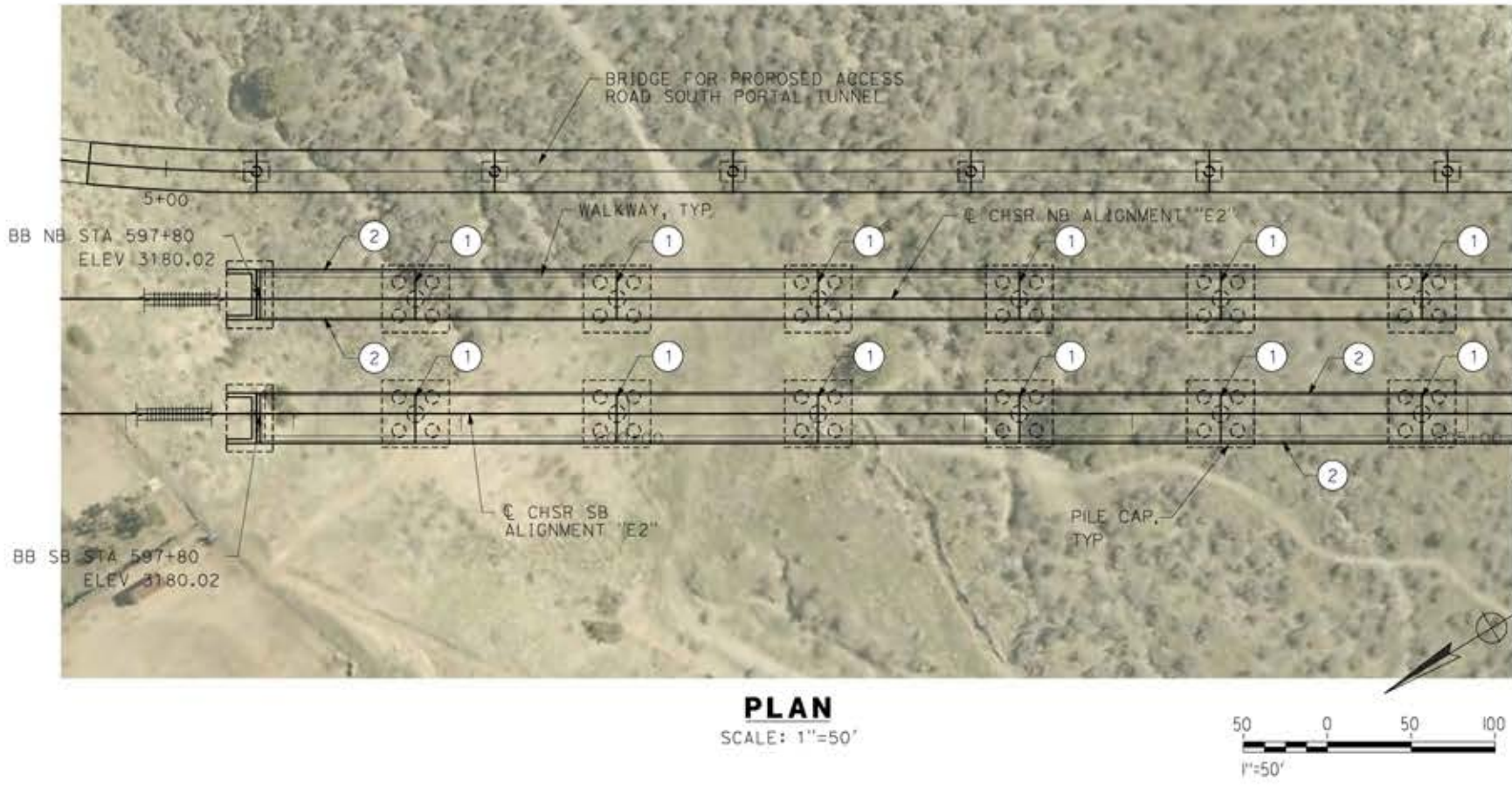
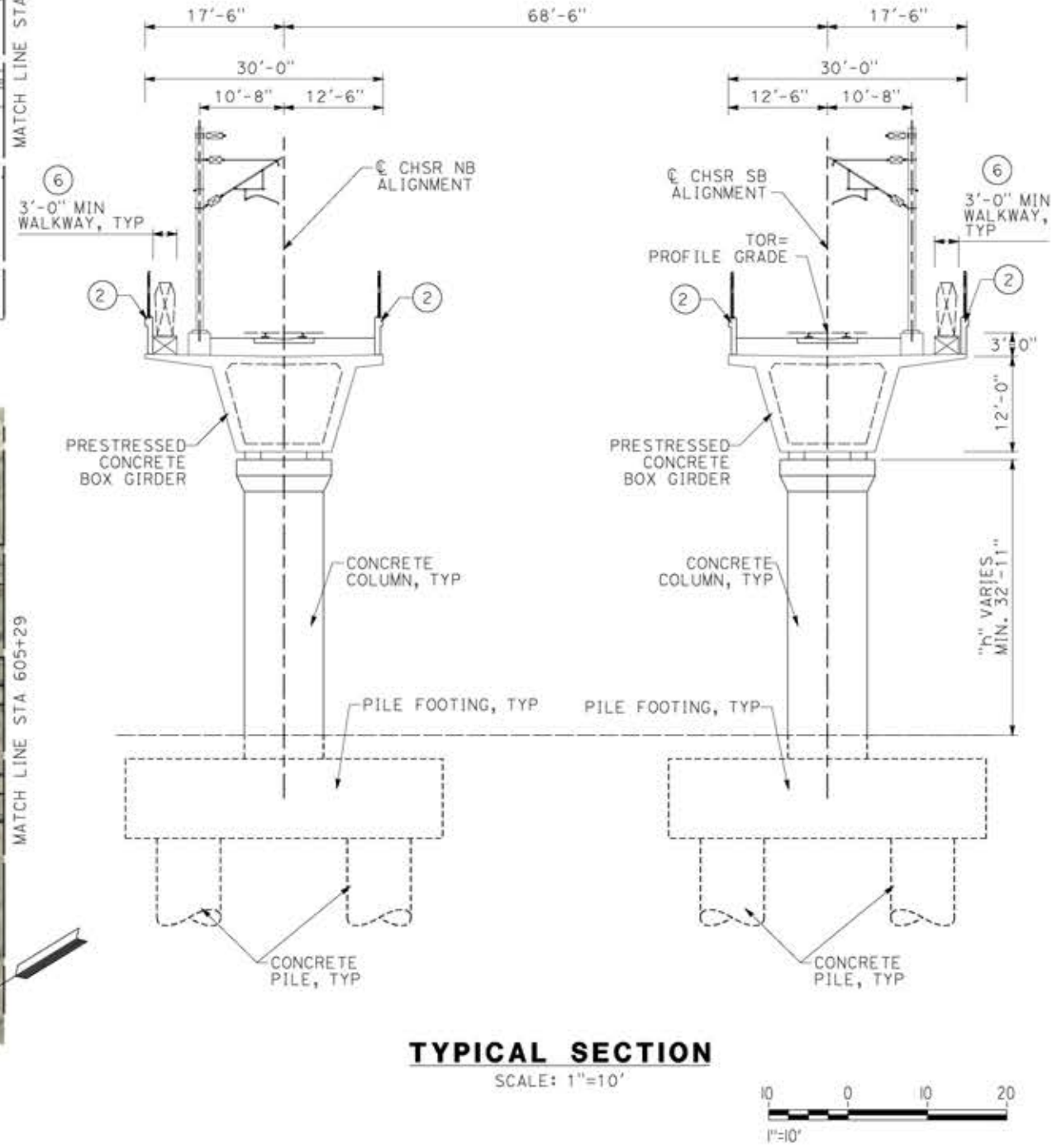
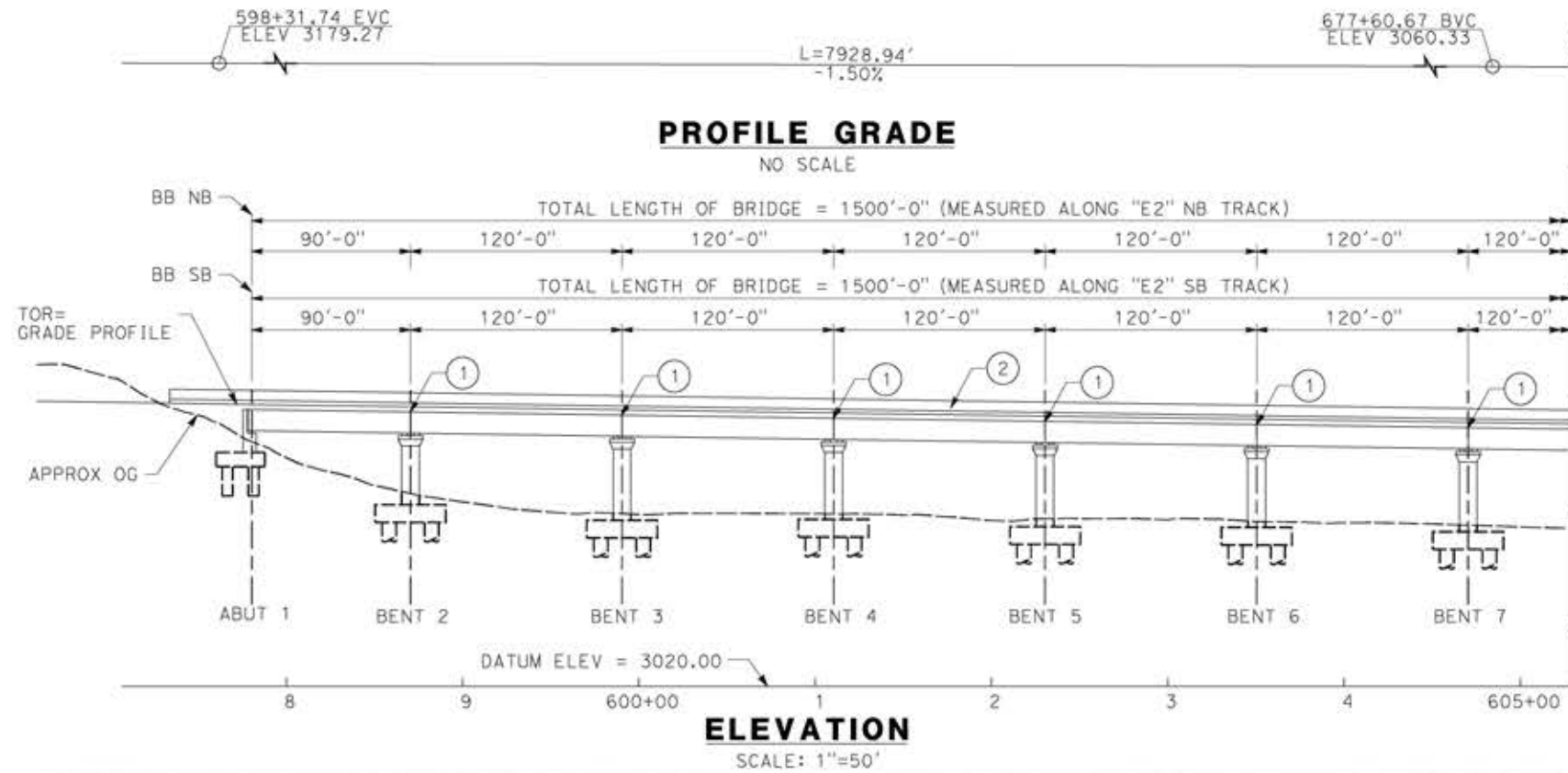
SHEET NO.



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:  
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.



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20/05/2021 13:34:59

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
SOUTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN  
SHEET 1 OF 2

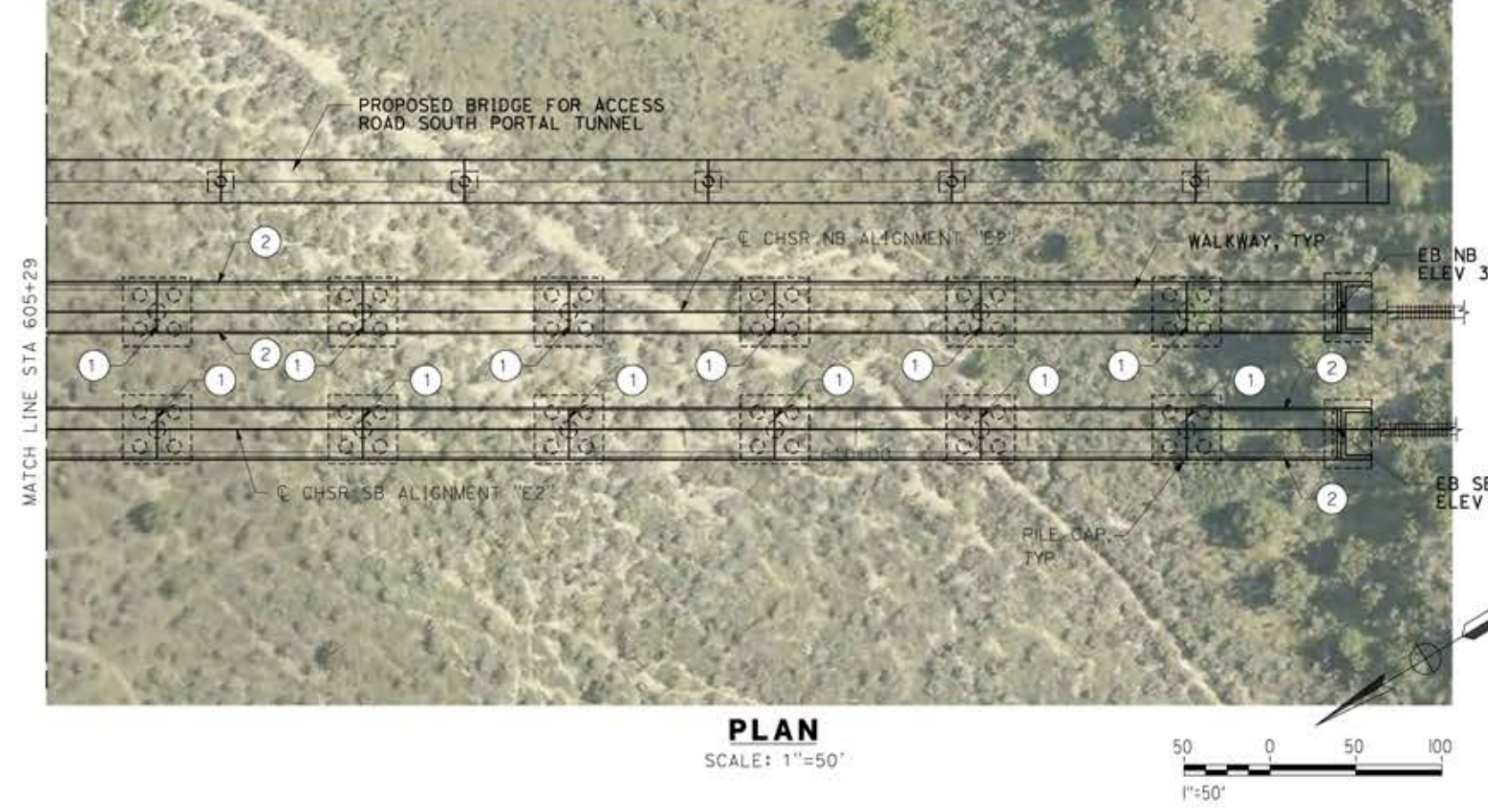
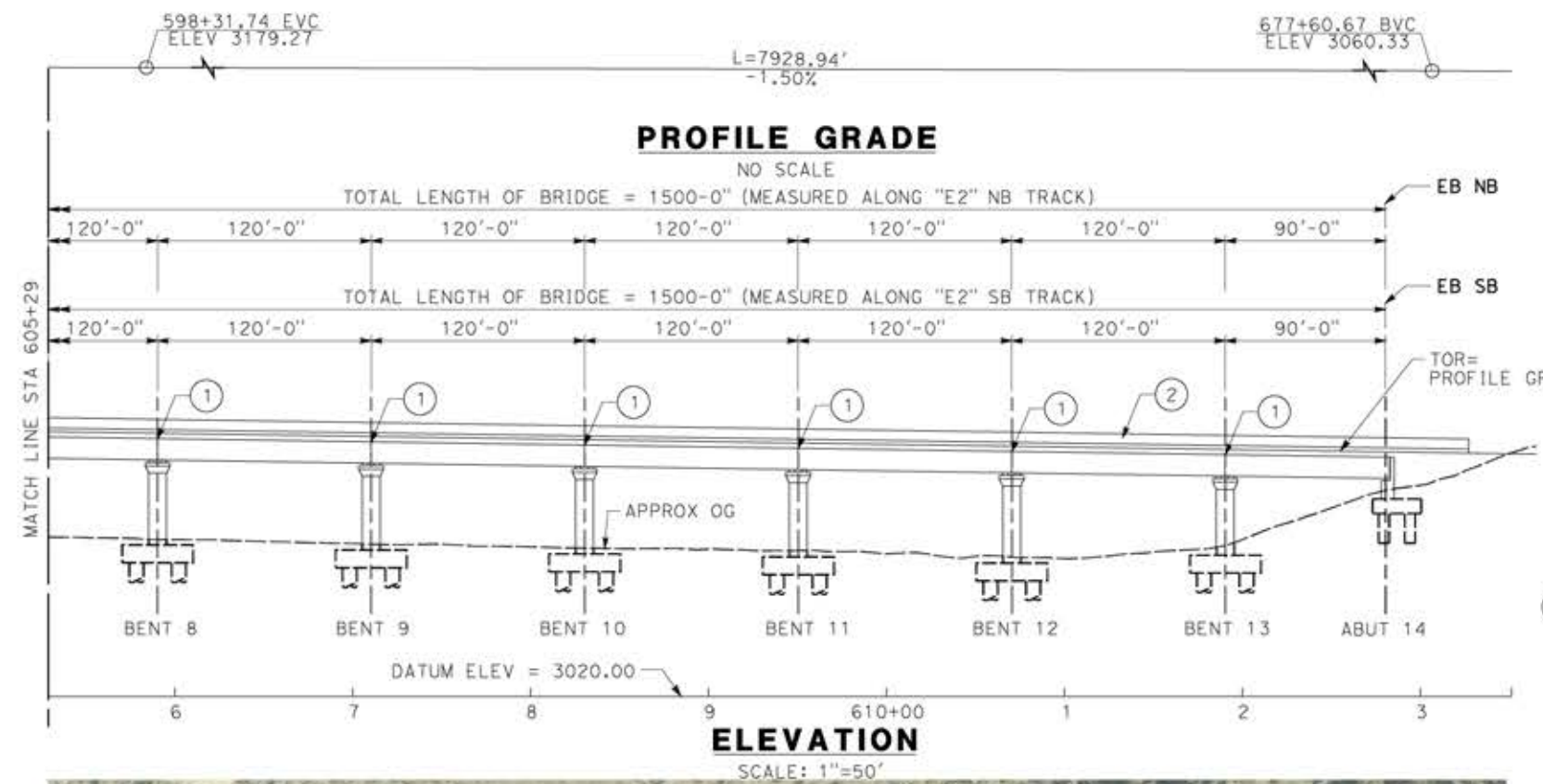
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1010-E2  
SCALE  
AS SHOWN  
SHEET NO.



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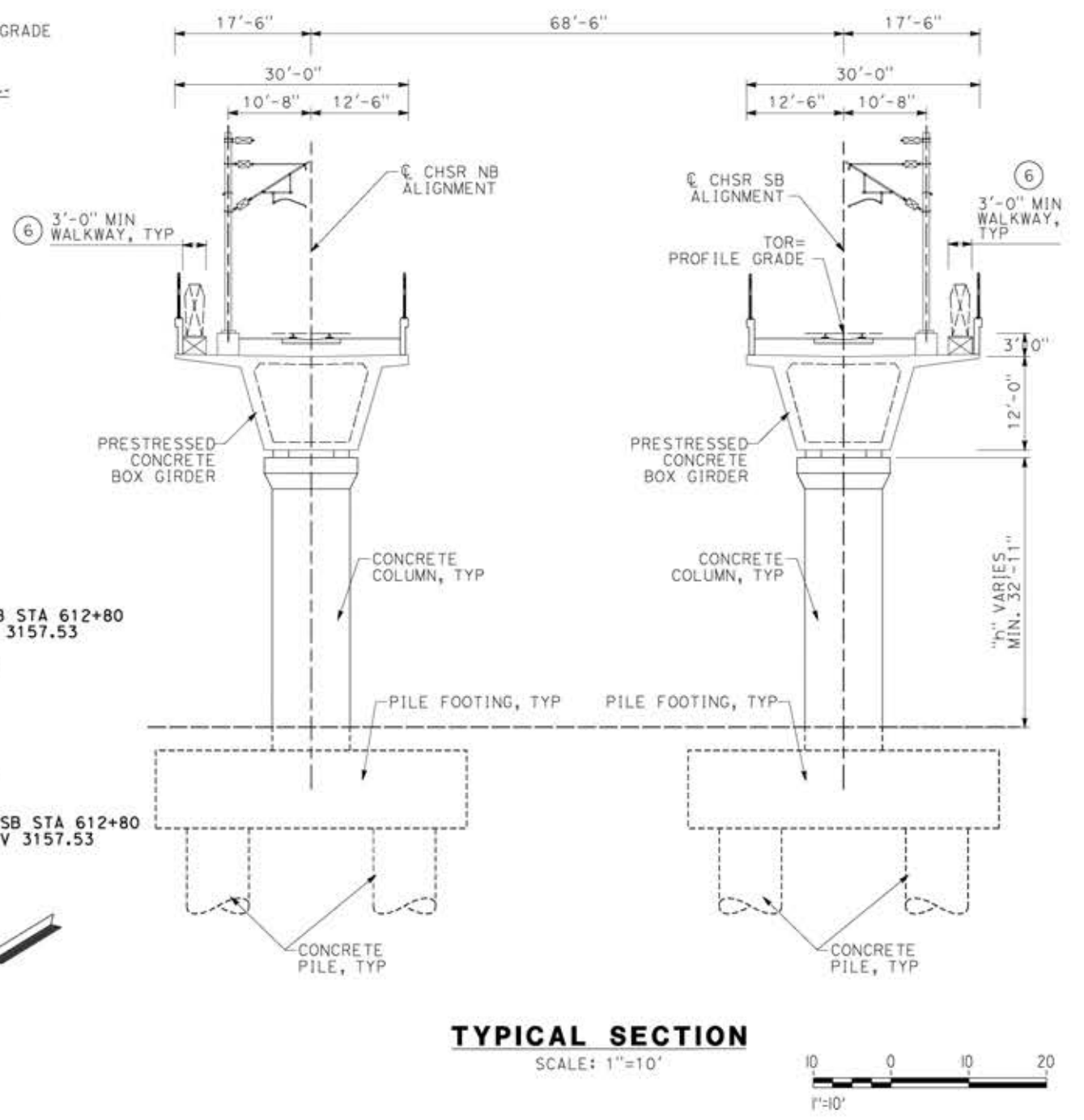
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0204814



**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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

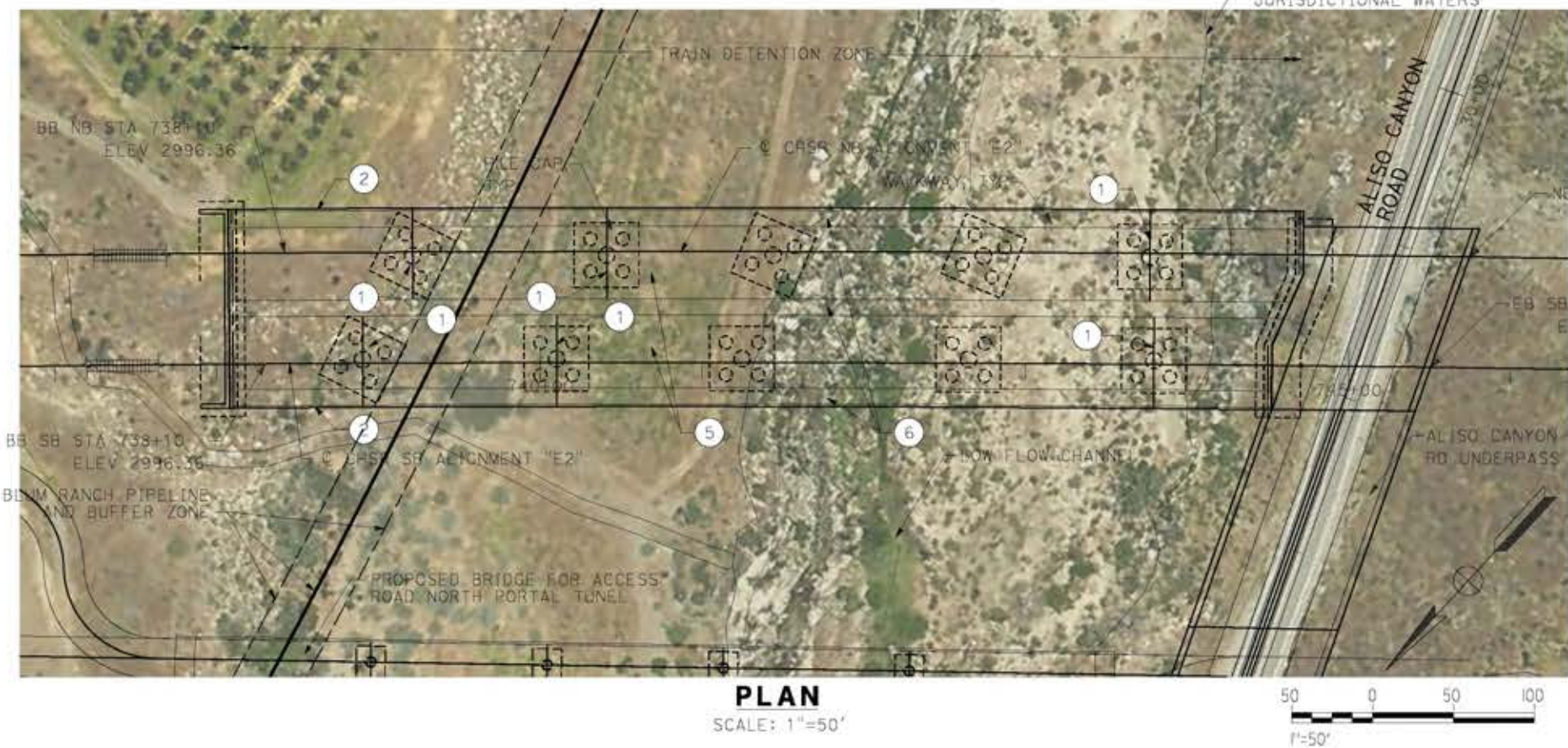
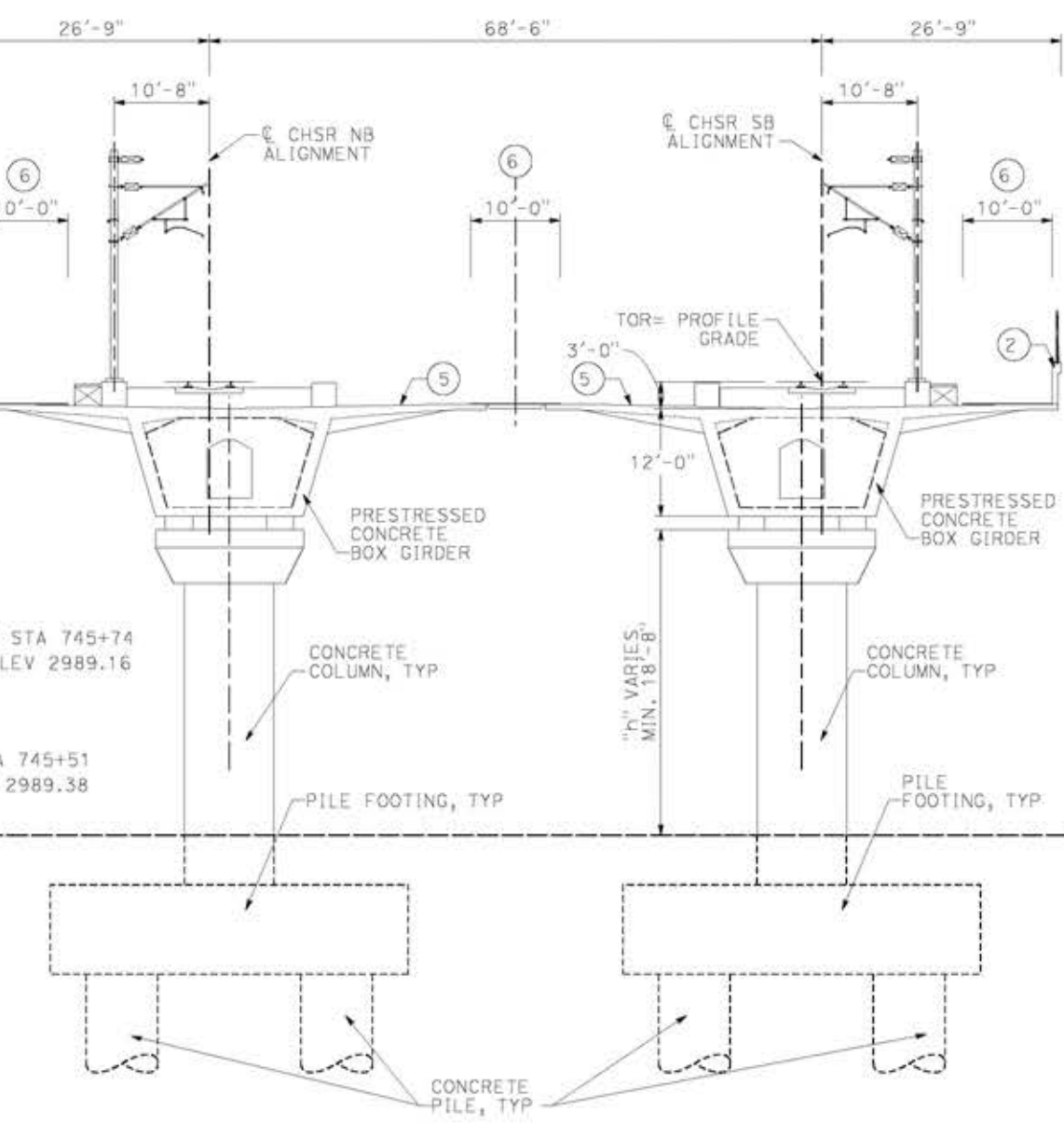
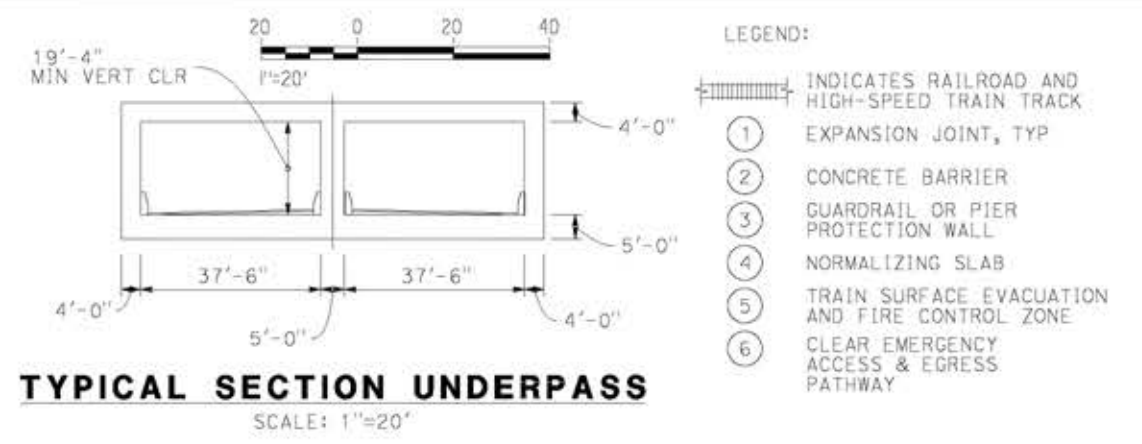
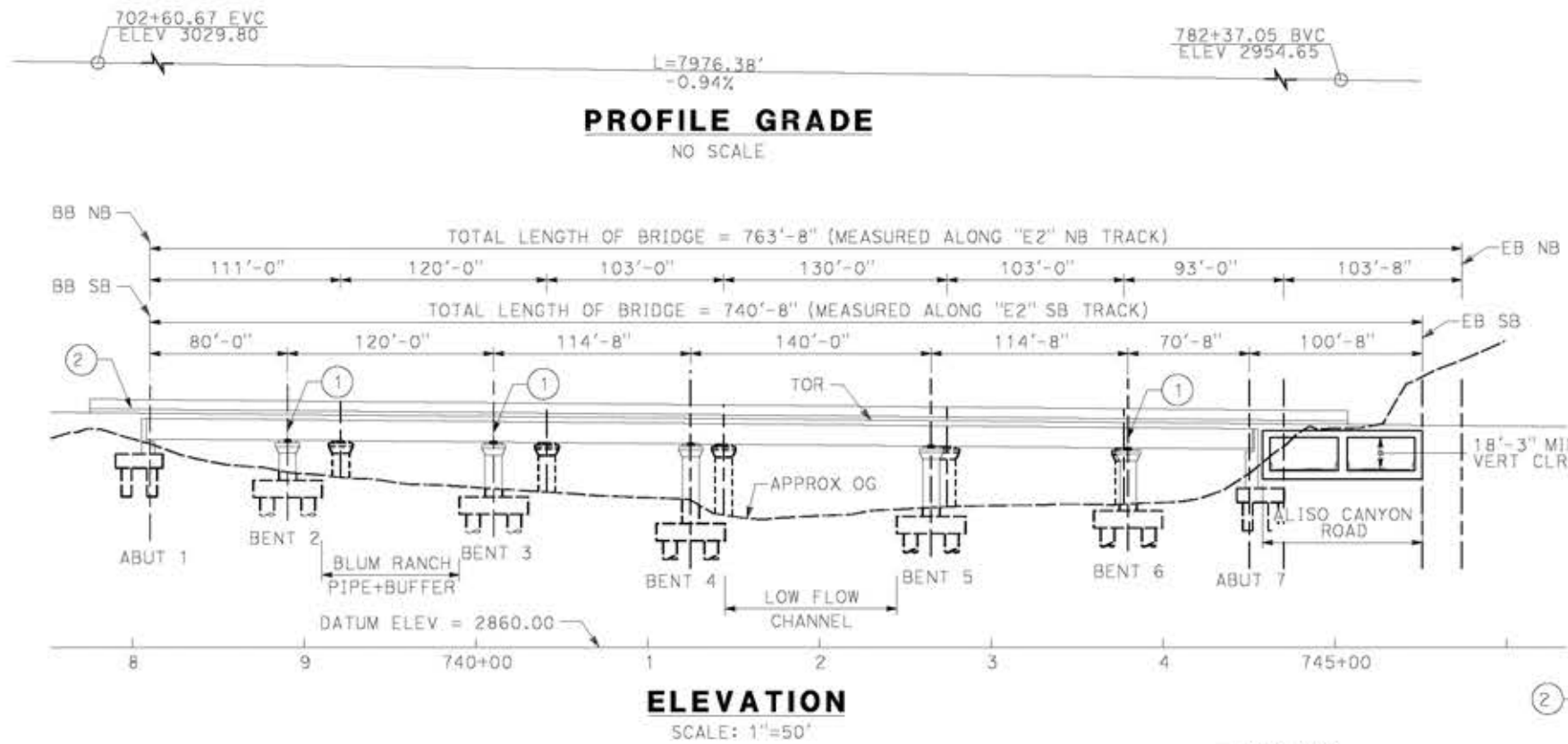
**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
SOUTH OF FORESTON DRIVE VIADUCT  
GENERAL PLAN  
SHEET 2 OF 2

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1011-E2  
SCALE  
AS SHOWN  
SHEET NO.





- 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

14/05/2021 11:23:19  
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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  
**04/30/2021**

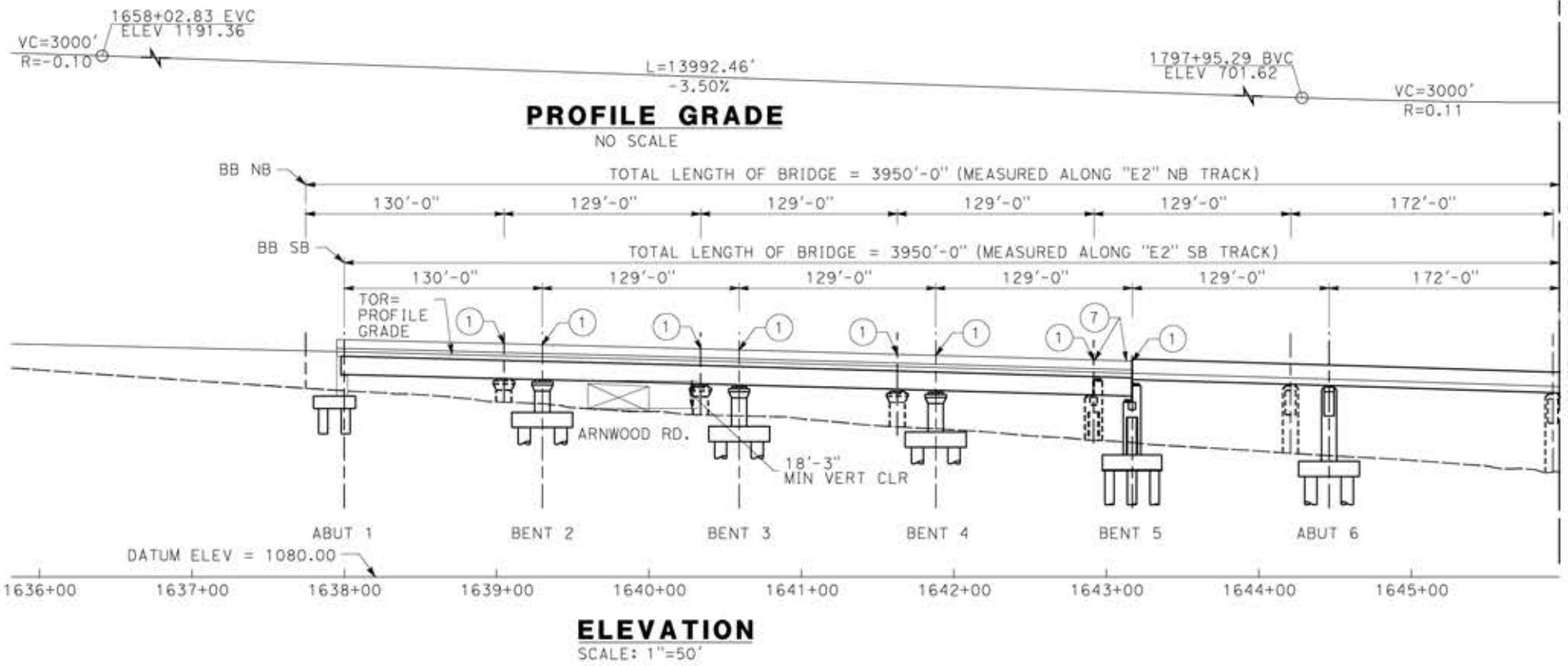
**PEPD RECORD SET**  
 REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 ALISO CANYON VIADUCT  
 GENERAL PLAN

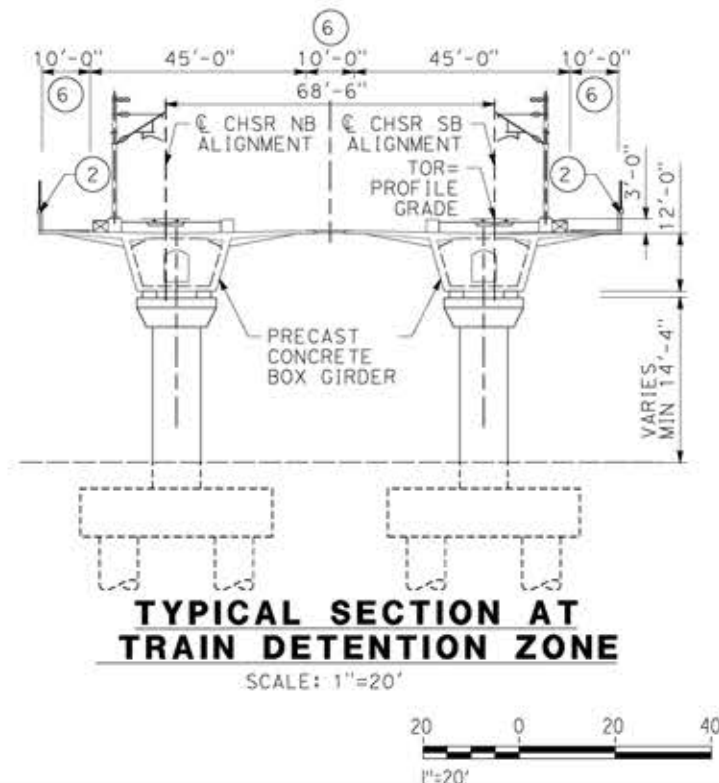
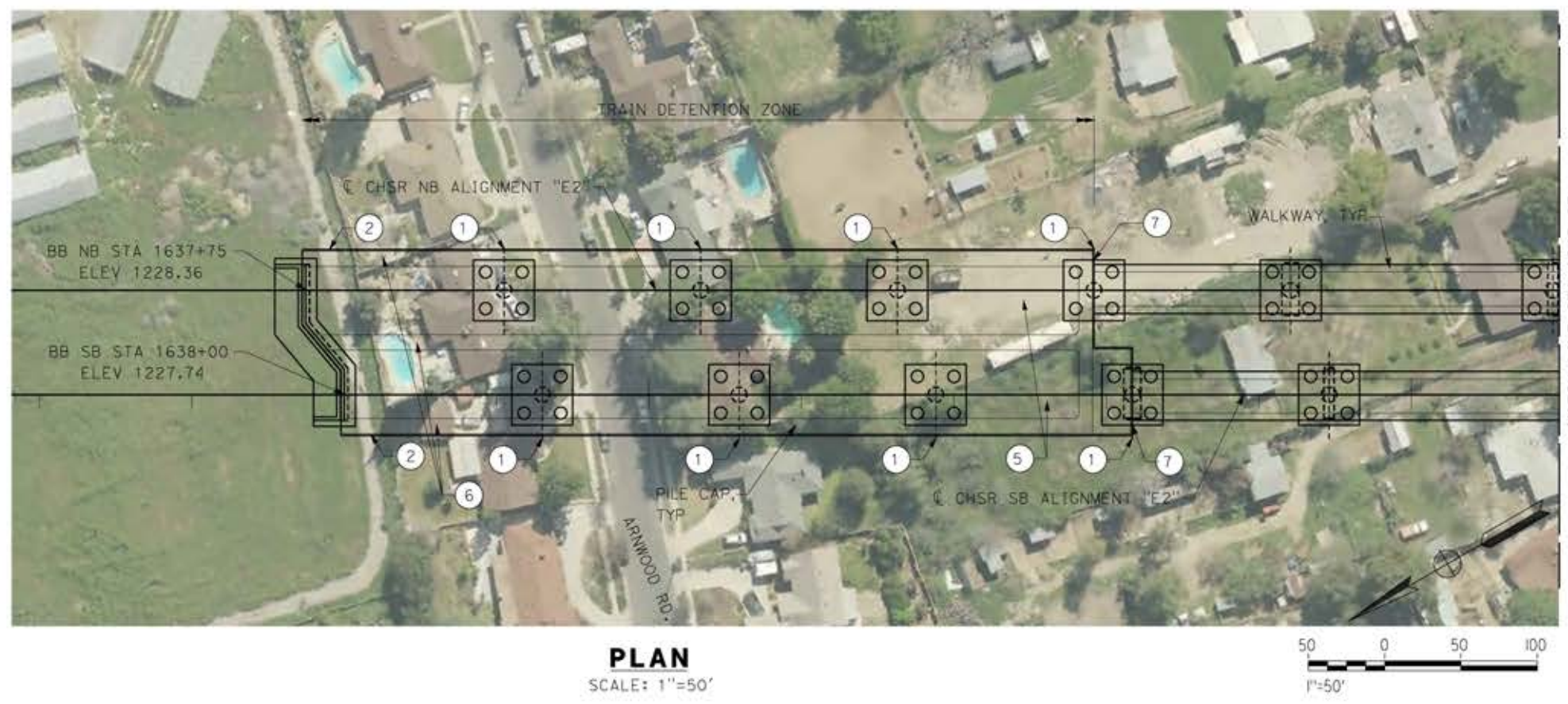
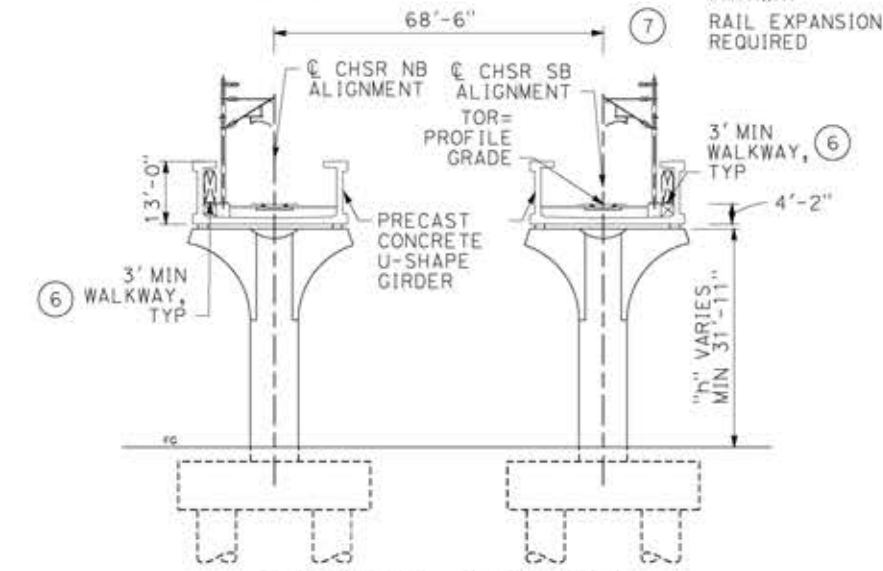
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 HSR14-42  
 DRAWING NO.  
 ST-J1012-E2  
 SCALE  
 AS SHOWN  
 SHEET NO.





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
  - ⑦ RAIL EXPANSION JOINT REQUIRED



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18/05/2021 14:09:25

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



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

ALIGNMENT "E2"  
TUJUNGA WASH / I-210 VIADUCT  
GENERAL PLAN  
SHEET 1 OF 4

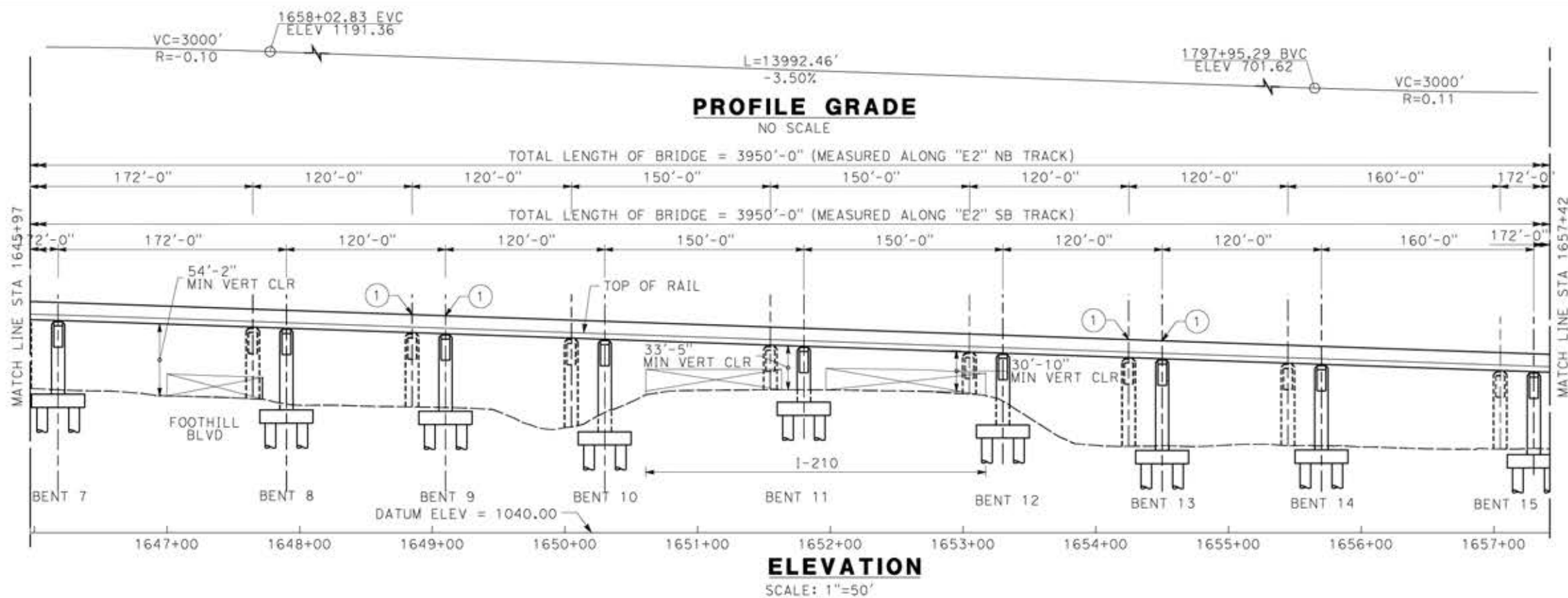
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HSR14-42

DRAWING NO.  
ST-J1013-E2

SCALE  
AS SHOWN

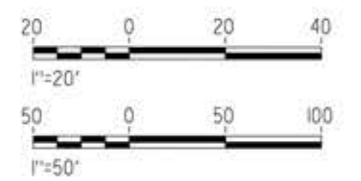
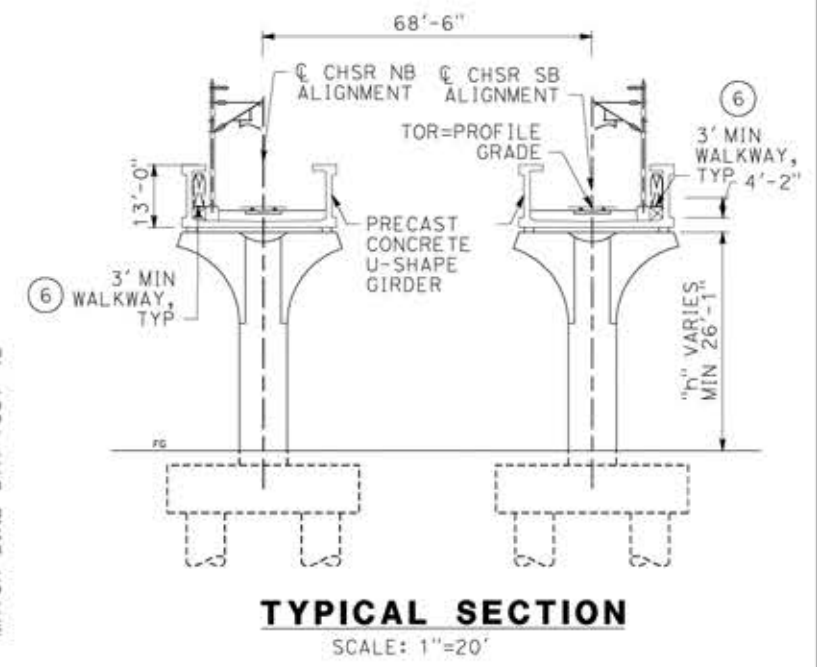
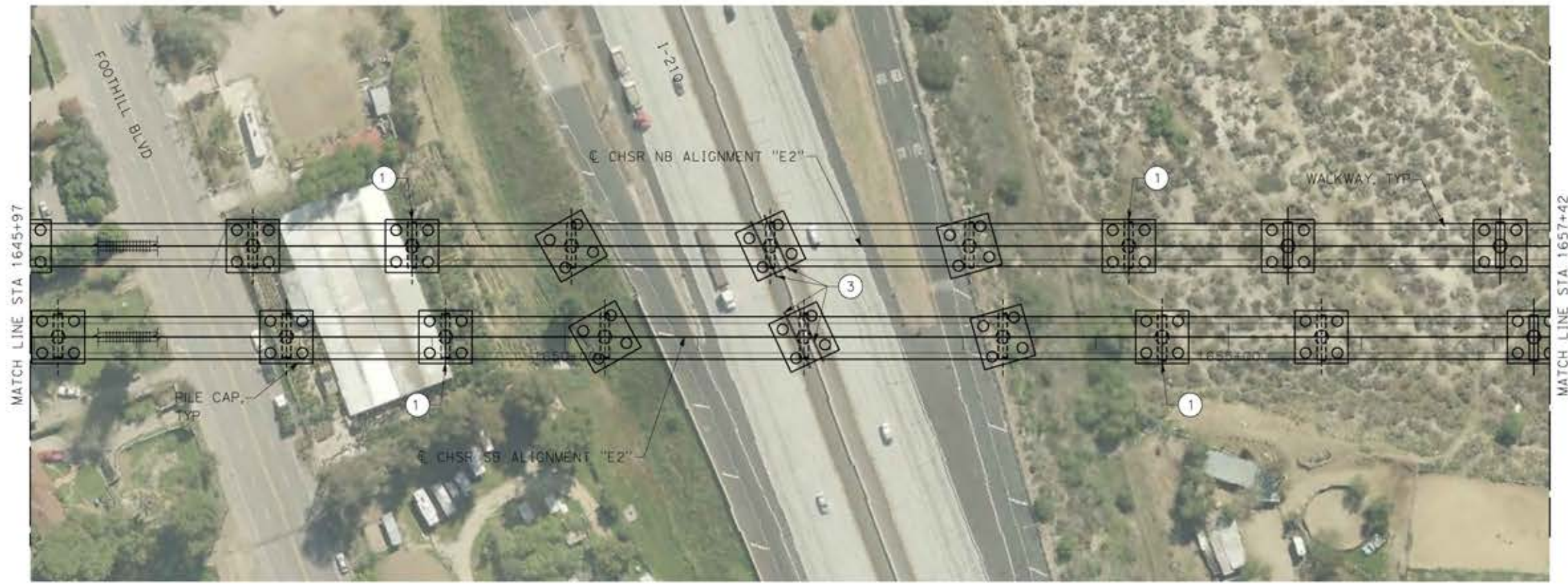
SHEET NO.





- 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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18/05/2021 14:11:11

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

PECD RECORD SET  
REV 02

NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 TUJUNGA WASH / I-210 VIADUCT  
 GENERAL PLAN  
 SHEET 2 OF 4

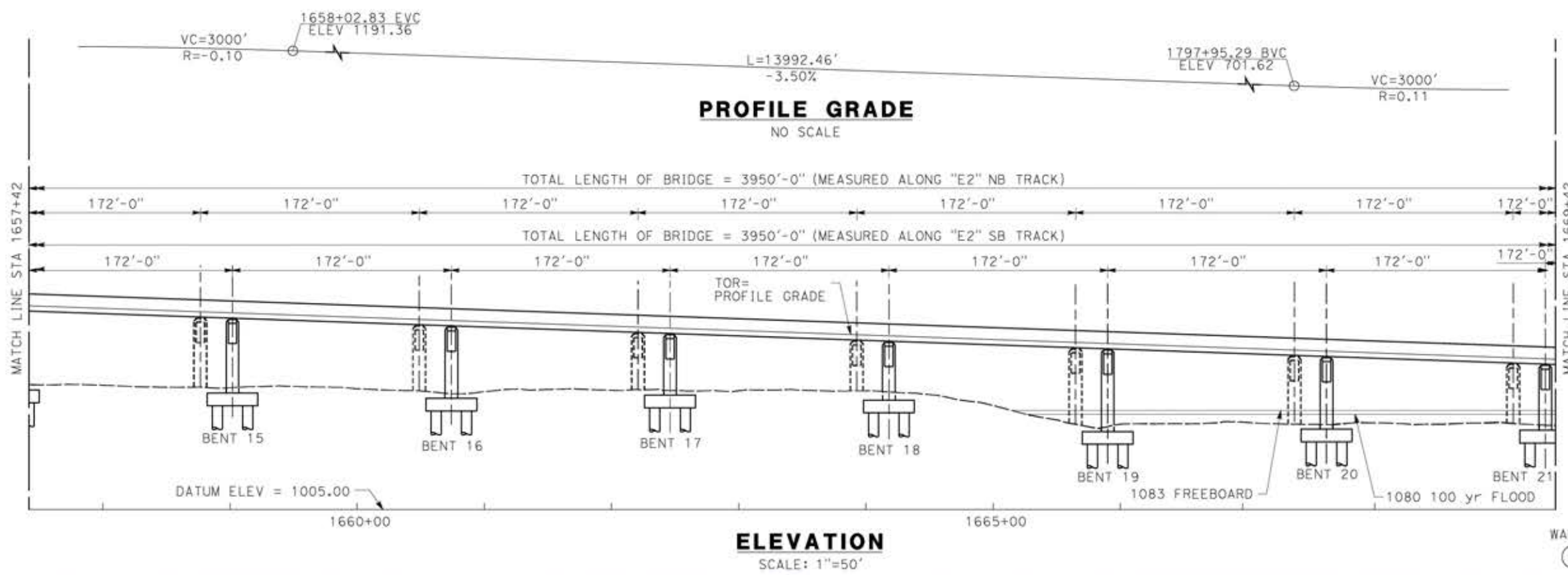
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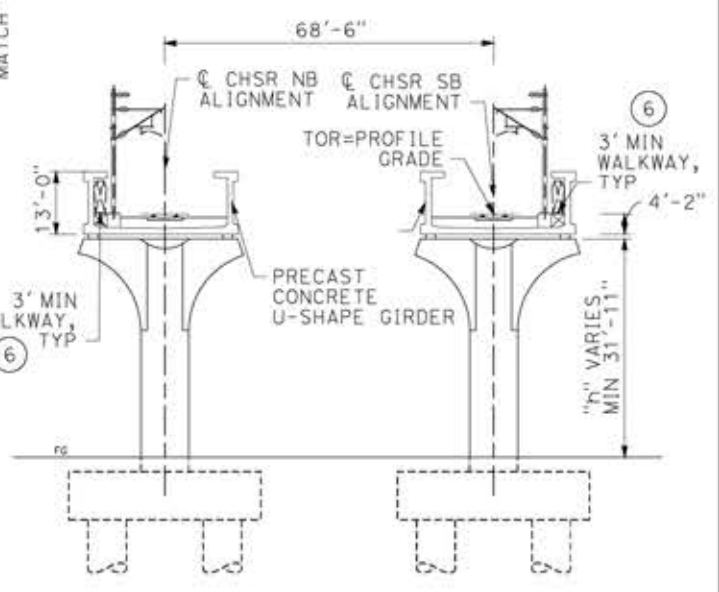
SCALE  
AS SHOWN

SHEET NO.





- 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

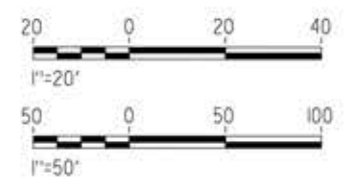


**TYPICAL SECTION**  
SCALE: 1"=20'

**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.



**PLAN**  
SCALE: 1"=50'



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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  
**04/30/2021**

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

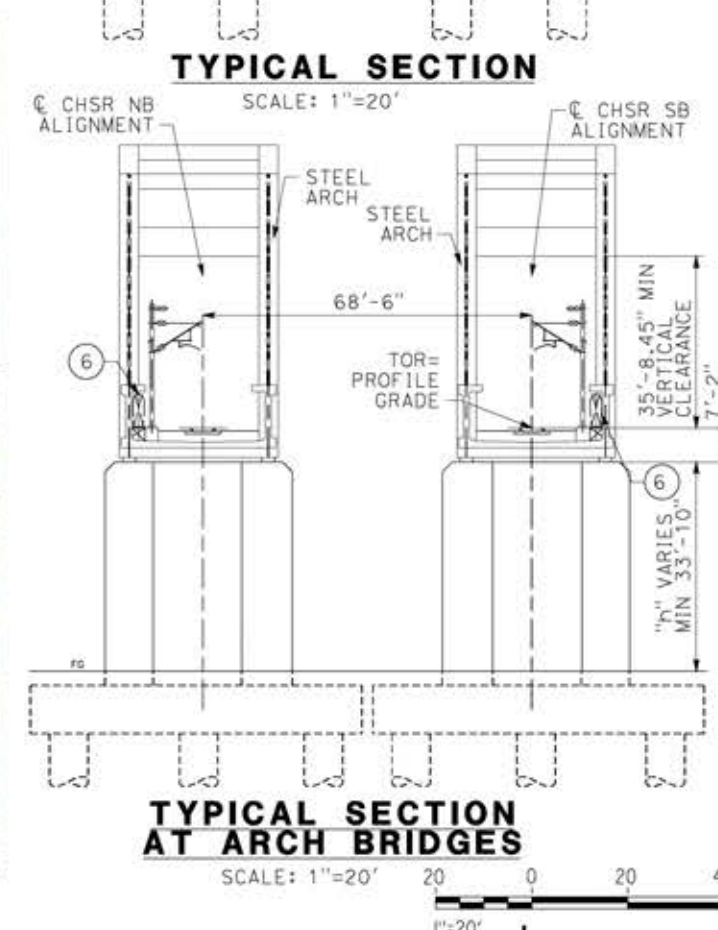
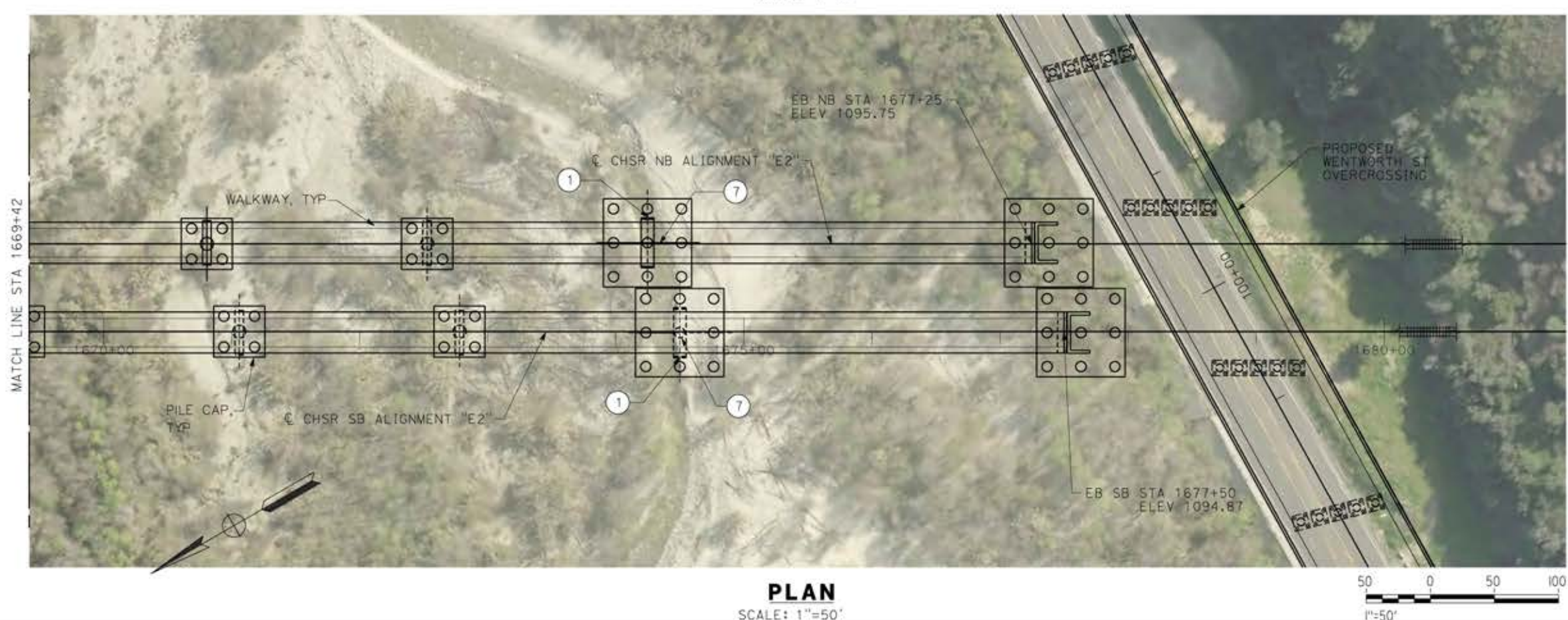
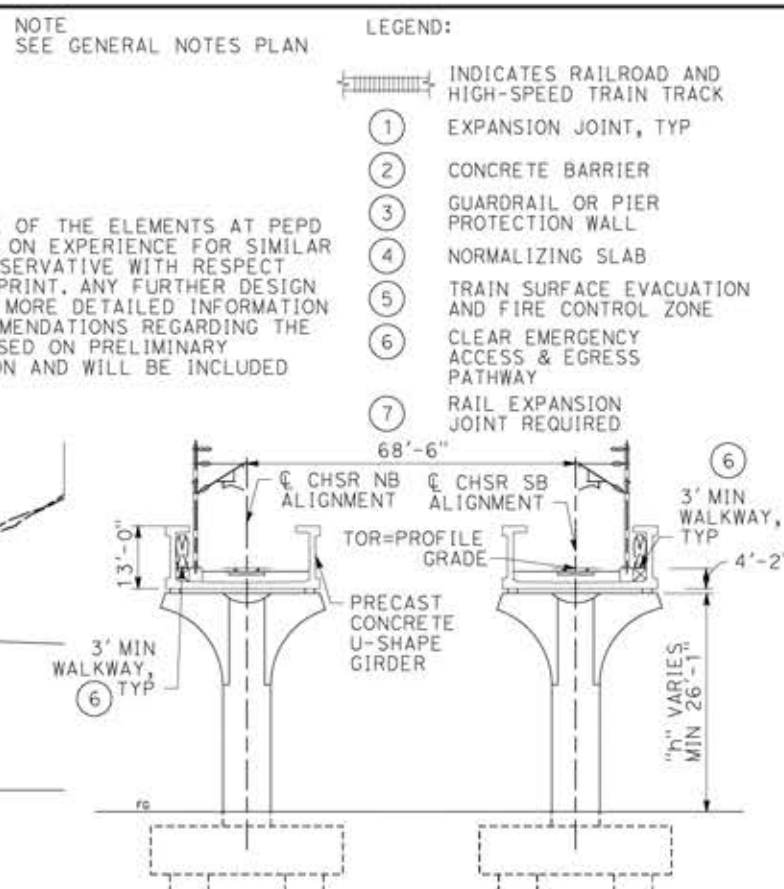
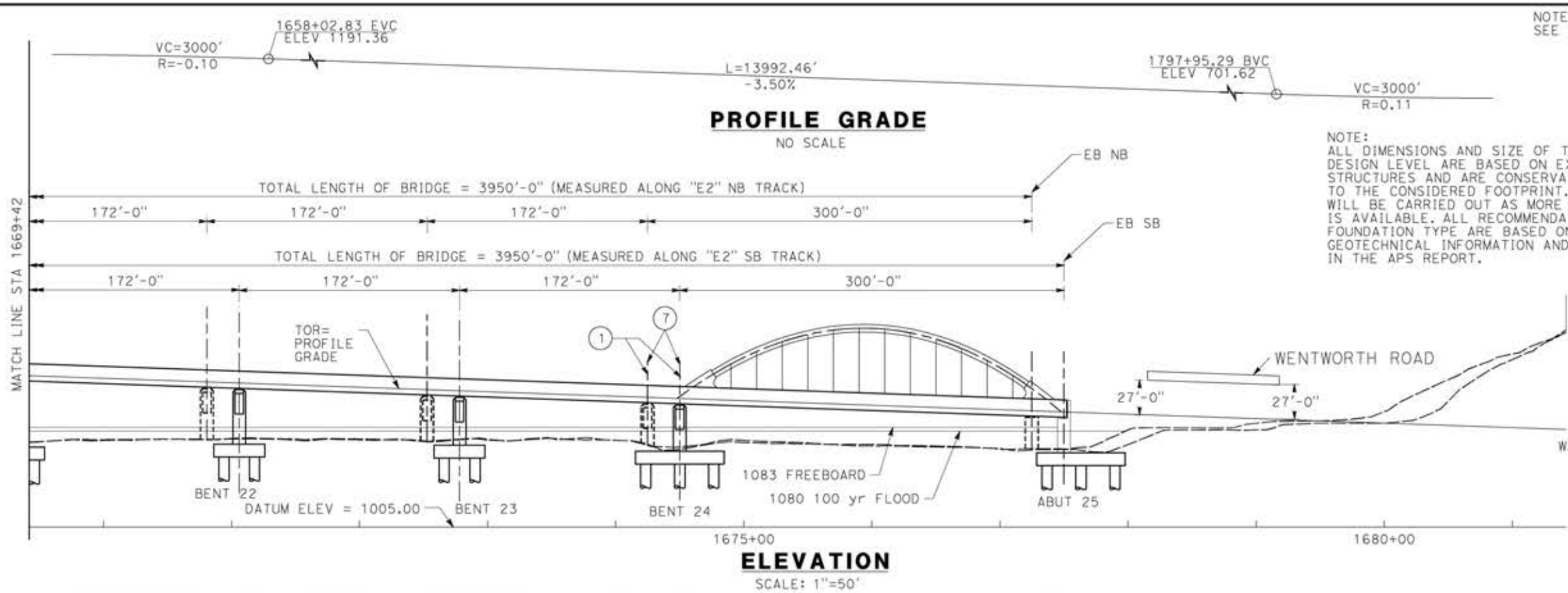


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
TUJUNGA WASH / I-210 VIADUCT  
GENERAL PLAN  
SHEET 3 OF 4

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1015-E2  
SCALE  
AS SHOWN  
SHEET NO.



18/05/2021 14:14:14  
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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  
**04/30/2021**

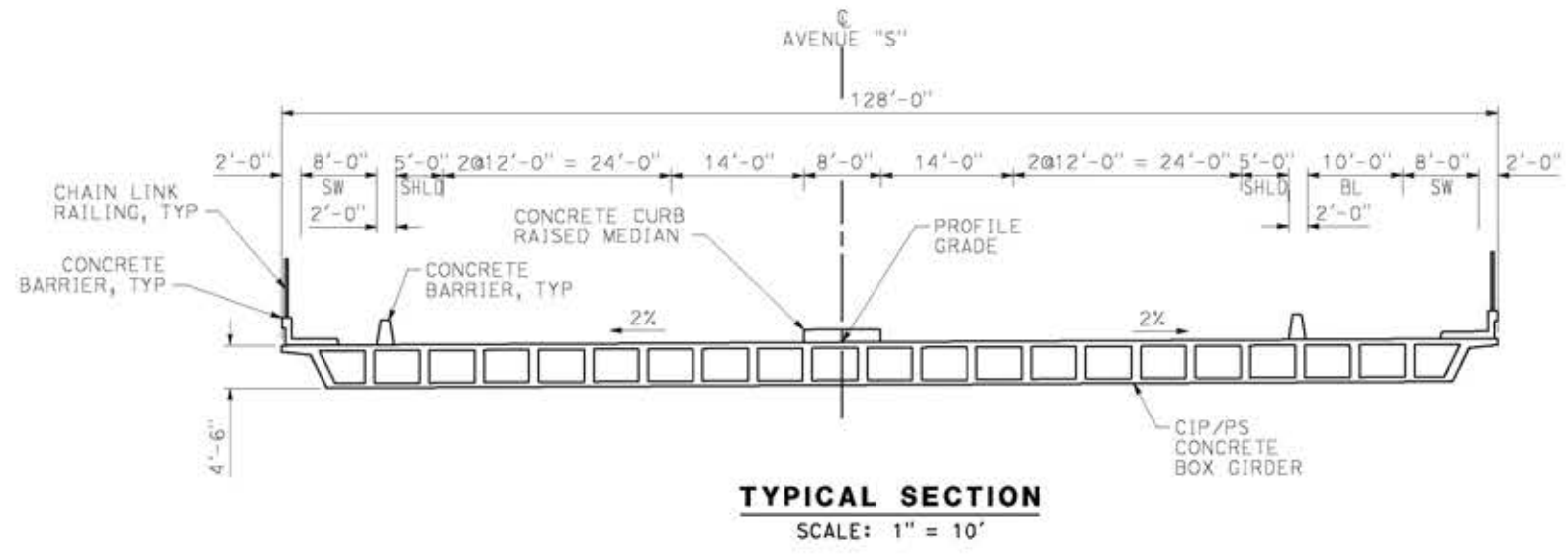
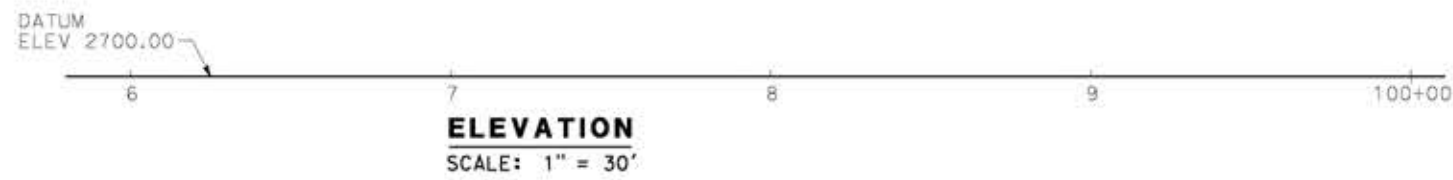
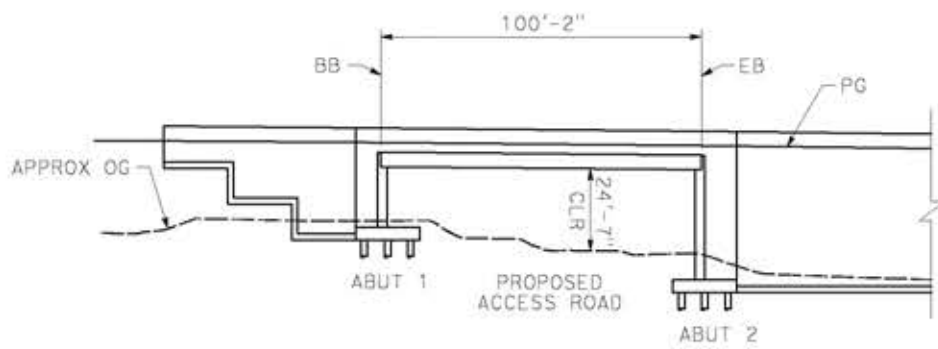
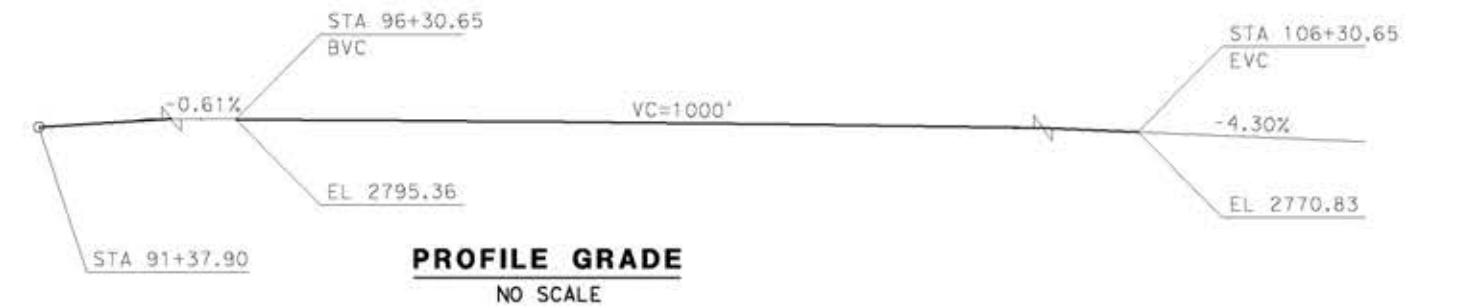
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**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 TUJUNGA WASH / I-210 VIADUCT  
 GENERAL PLAN  
 SHEET 4 OF 4

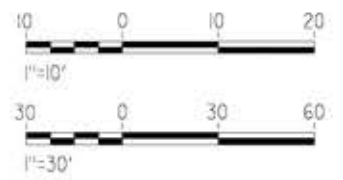
CONTRACT NO.  
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 DRAWING NO.  
ST-J1016-E2  
 SCALE  
AS SHOWN  
 SHEET NO.





- 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



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14/05/2021 11:27:13

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

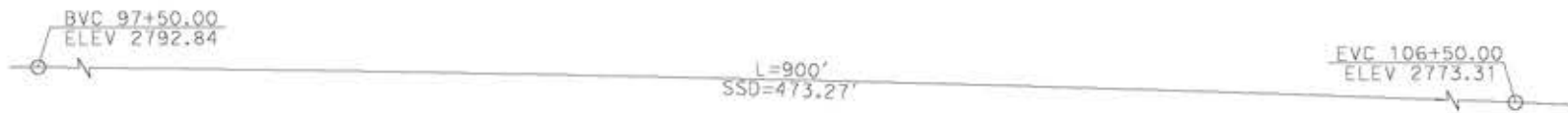
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REV 02  
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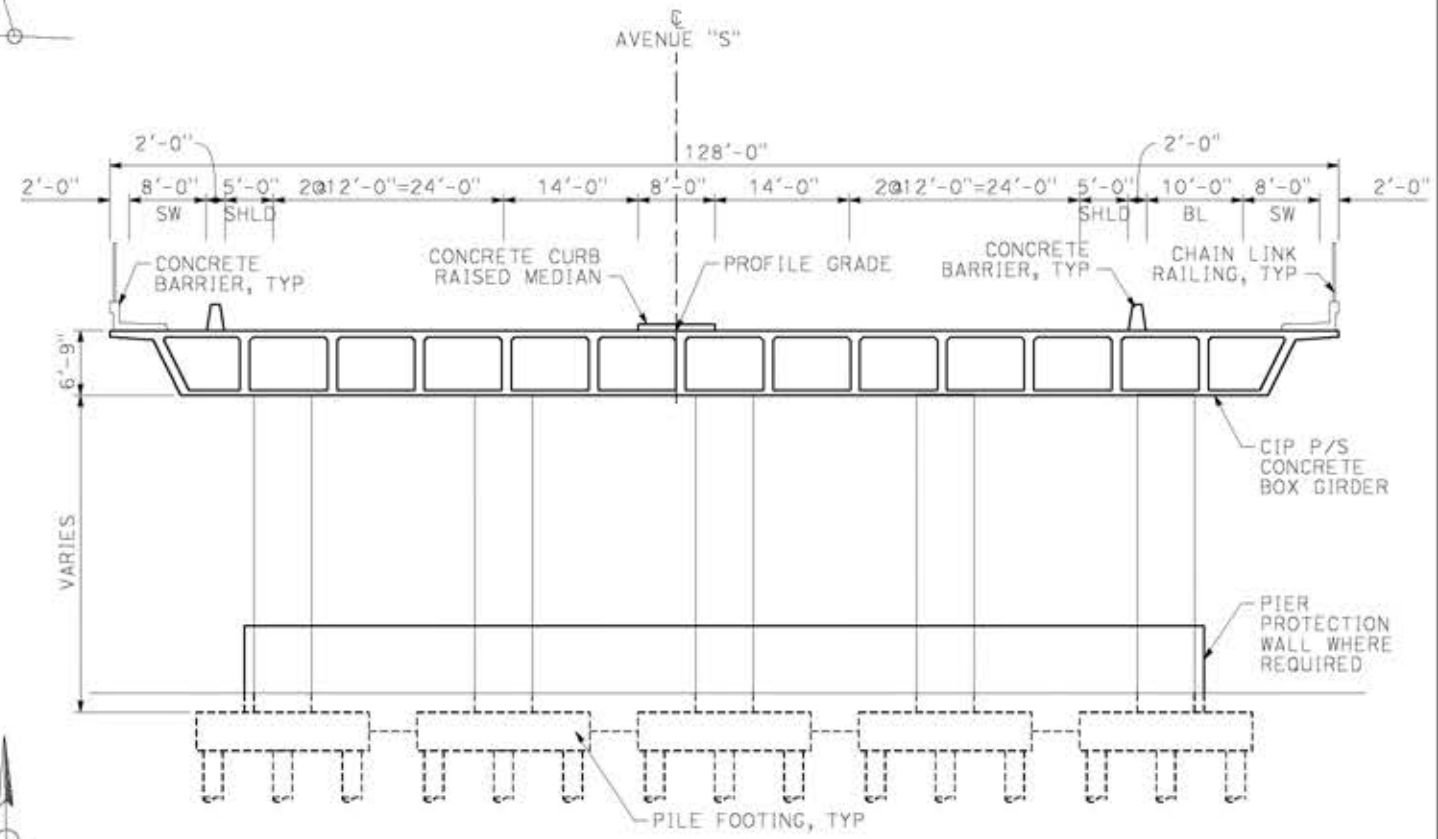
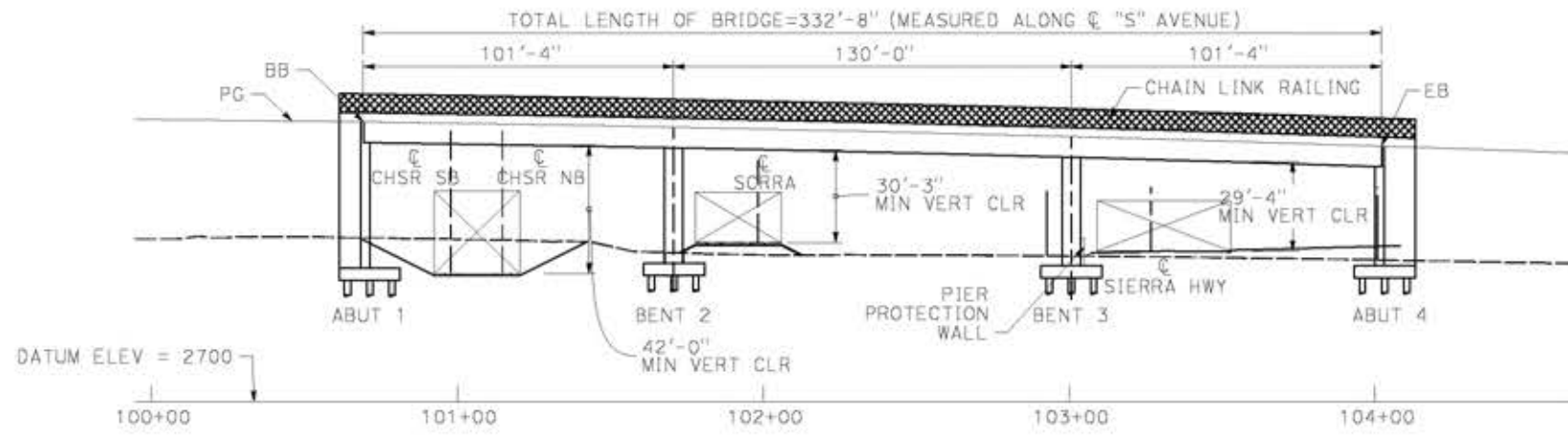
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
AVENUE S OVERCROSSING  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1404-E2  
SCALE  
AS SHOWN  
SHEET NO.

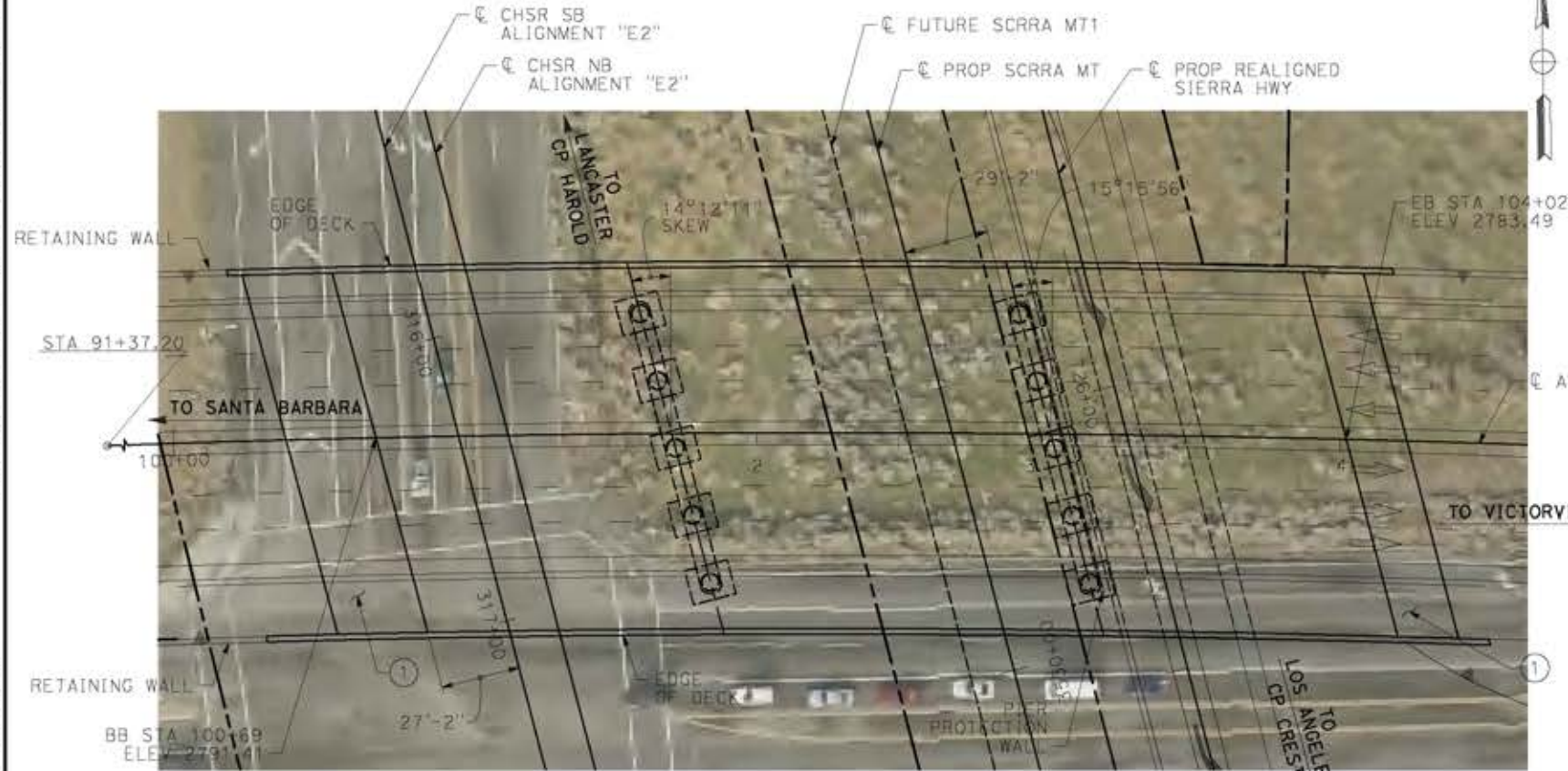




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NO SCALE



**TYPICAL SECTION**  
SCALE: 1" = 10'



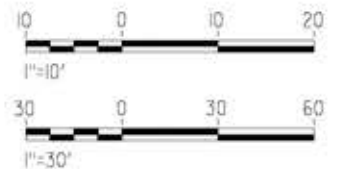
**PLAN**  
SCALE: 1" = 30'

**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



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
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**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

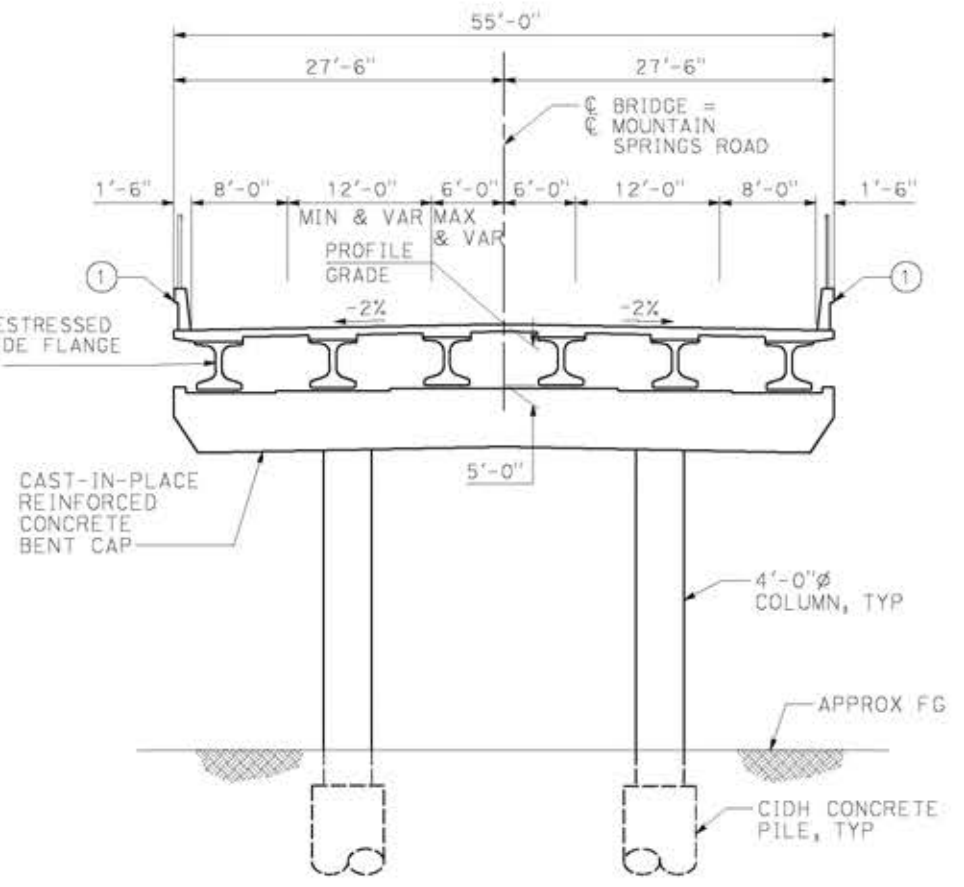
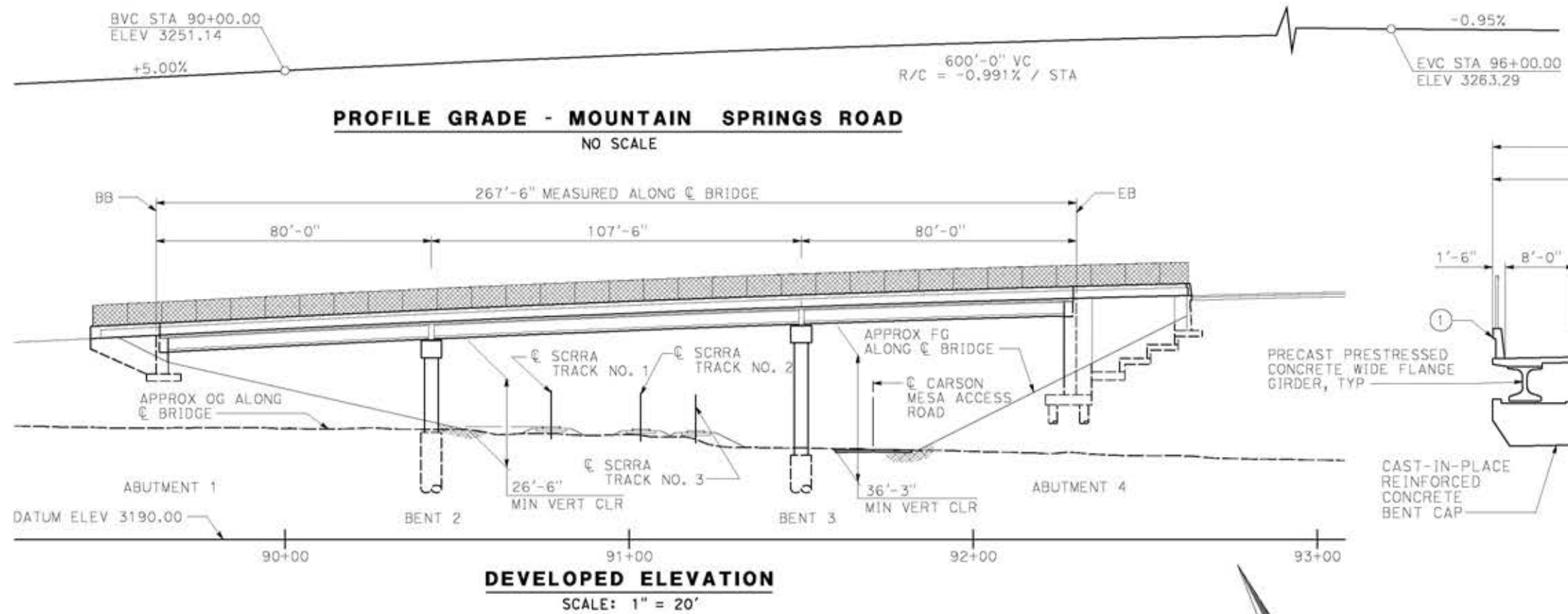
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
AVENUE S OVERHEAD  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1405-E2  
SCALE  
AS SHOWN  
SHEET NO.





**TYPICAL SECTION**  
SCALE: 1/8" = 1'-0"



- LEGEND:**
- ① TYPE 742 BARRIER WITH TYPE 7 CHAIN LINK FENCE
  - INDICATES NEW CONSTRUCTION
  - - - INDICATES FOUNDATION OR PROPOSED STRUCTURE
  - ← INDICATES DIRECTION OF TRAFFIC
  - INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

CURVE DATA				
	R	Δ	T	L
①	1000.00'	17° 17' 39"	152.08'	301.84'



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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.RELANO**  
DATE  
**04/30/2021**

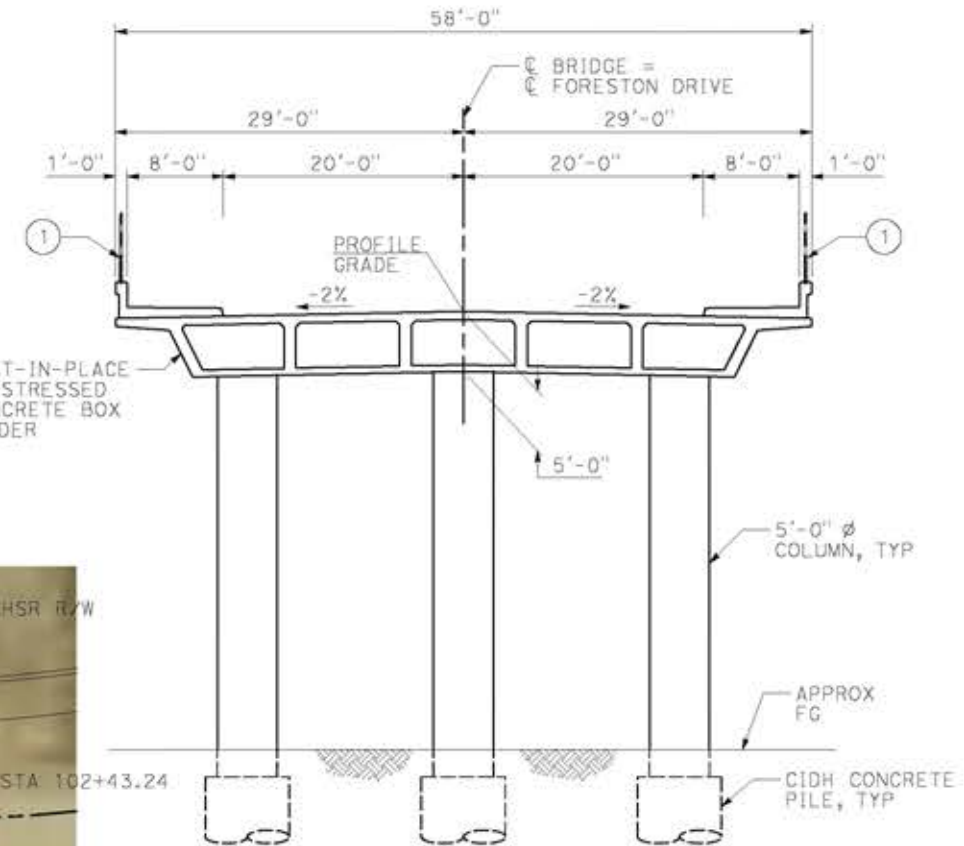
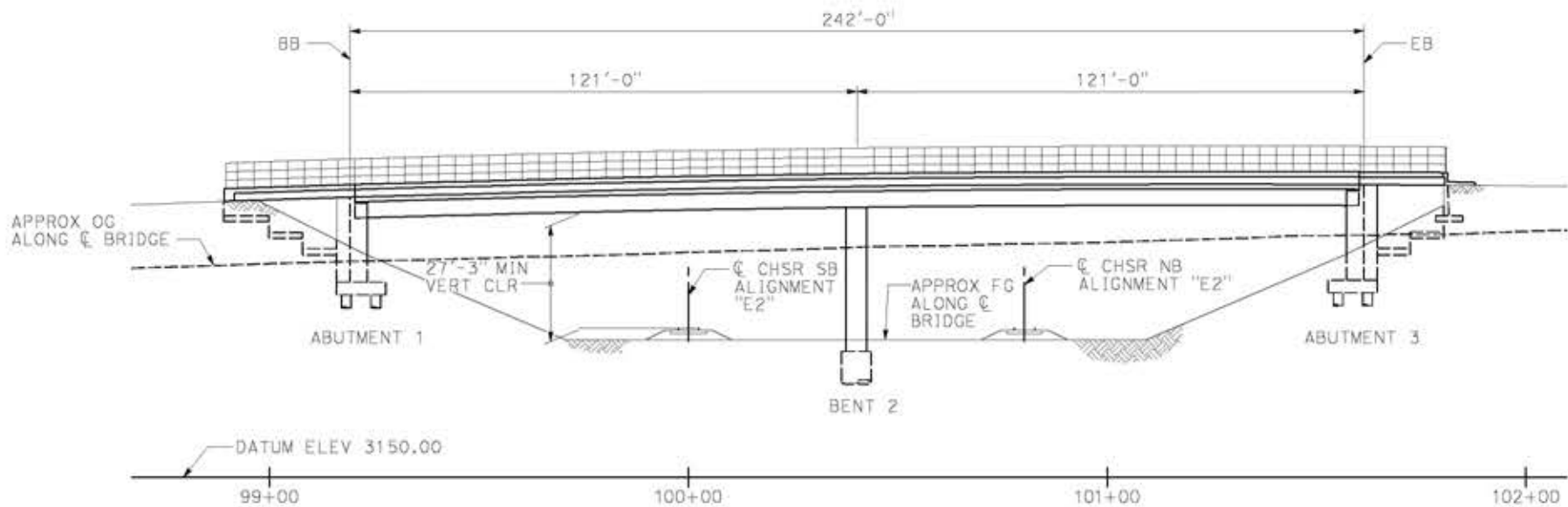
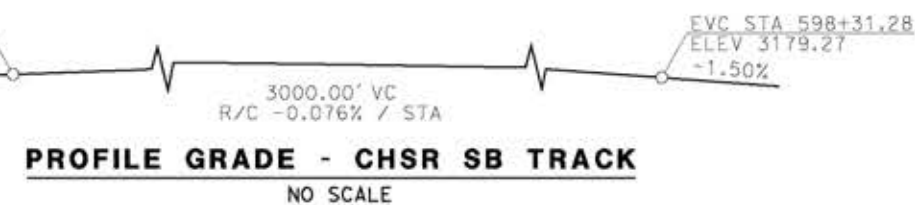
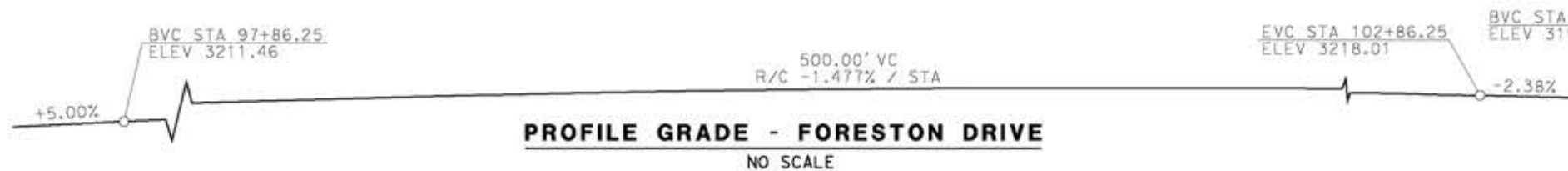
**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
MOUNTAIN SPRINGS ROAD WEST OVERHEAD  
GENERAL PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1406-E2  
SCALE  
AS SHOWN  
SHEET NO.





**ELEVATION**  
SCALE: 1" = 20'

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

**PLAN**  
SCALE: 1" = 20'

**LEGEND:**

- ① TYPE 26 (MOD) BARRIER WITH SOLID PROTECTIVE BARRIER
- INDICATES NEW CONSTRUCTION
- - - INDICATES FOUNDATION OR PROPOSED STRUCTURE
- ➔ INDICATES DIRECTION OF TRAFFIC
- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE



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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.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
FORESTON DRIVE OVERHEAD  
GENERAL PLAN

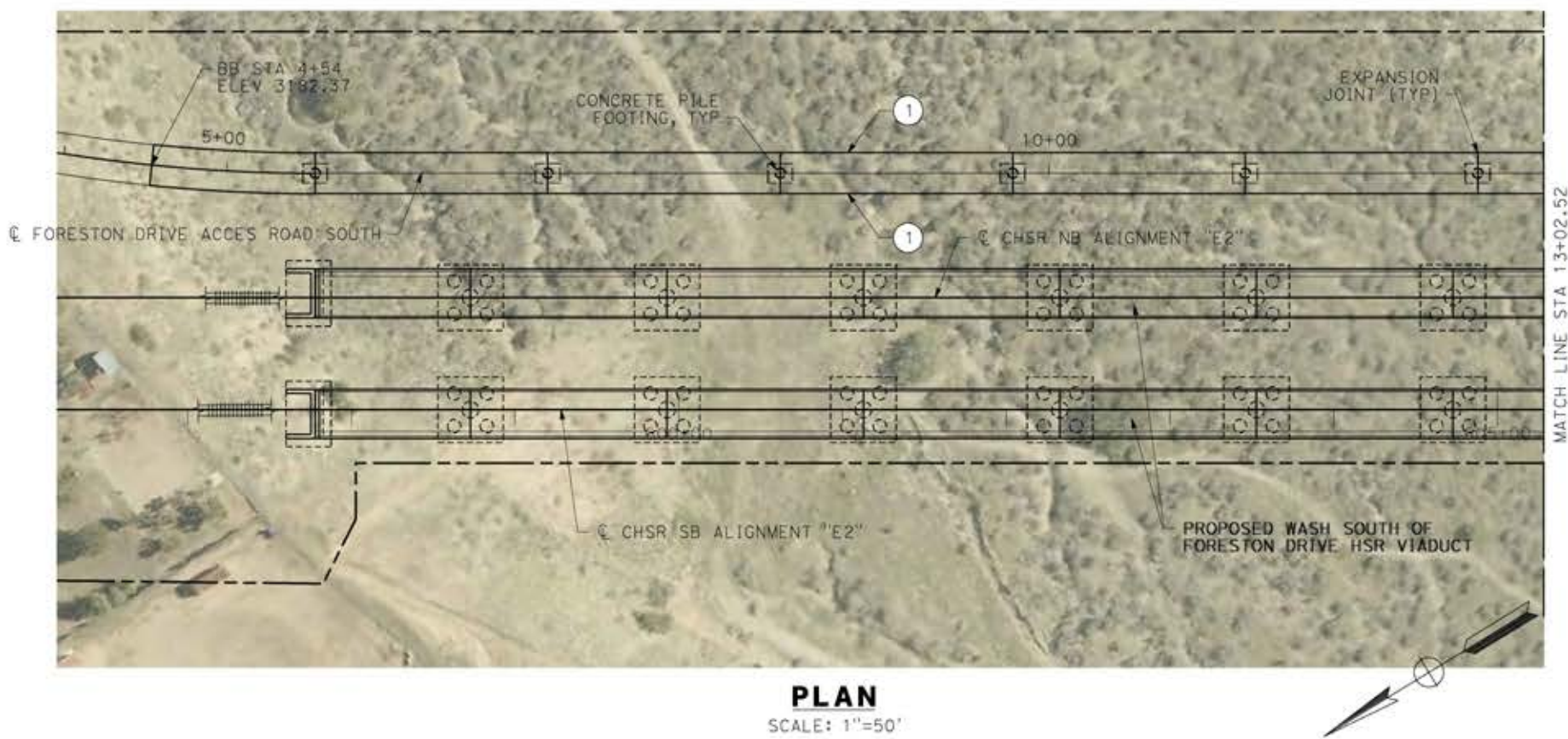
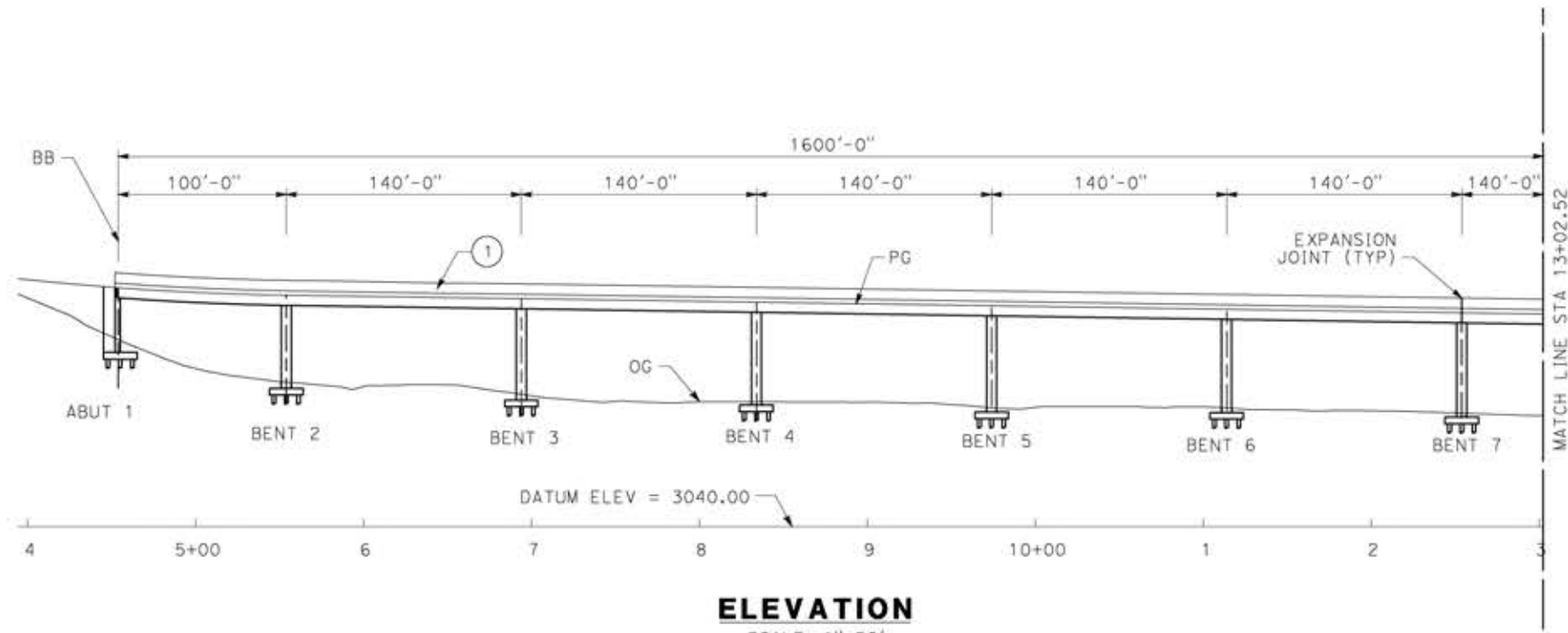
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DRAWING NO.  
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SCALE  
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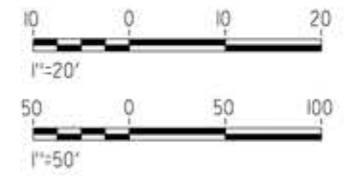
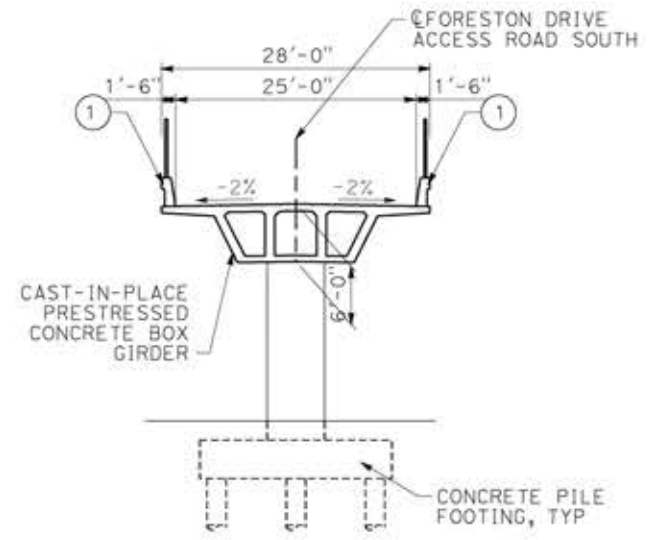
SHEET NO.





- LEGEND:
- ① PARAPET
  - INDICATES NEW CONSTRUCTION

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.



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18/05/2021 23:34:41

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
FORESTON SOUTH ACCESS ROAD  
GENERAL PLAN  
SHEET 1 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1408-E2

SCALE  
AS SHOWN

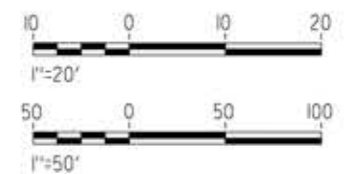
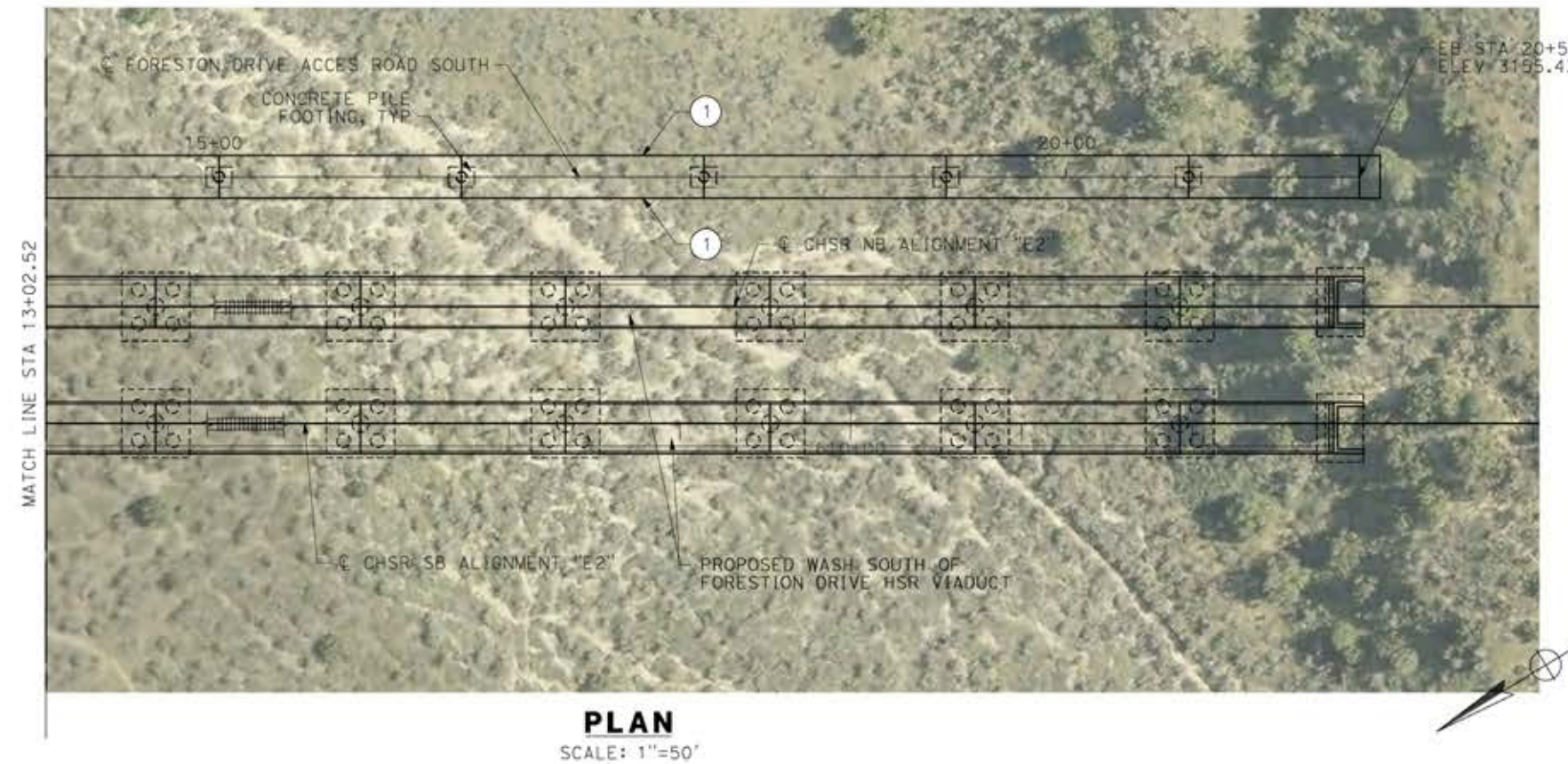
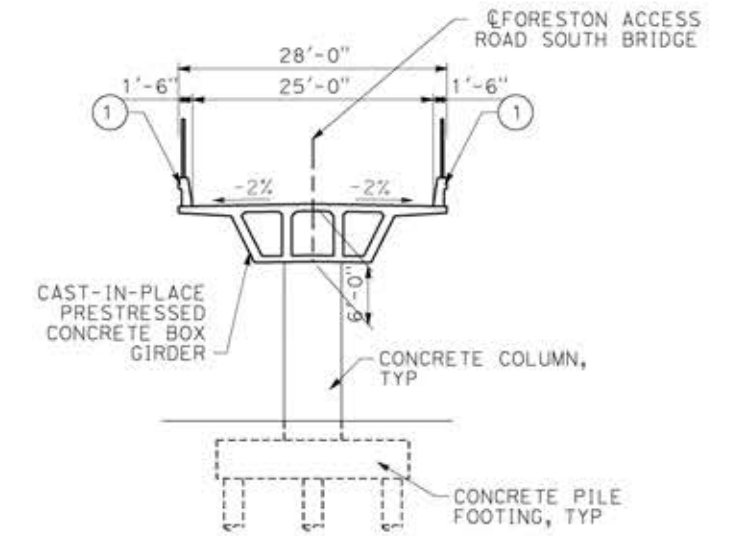
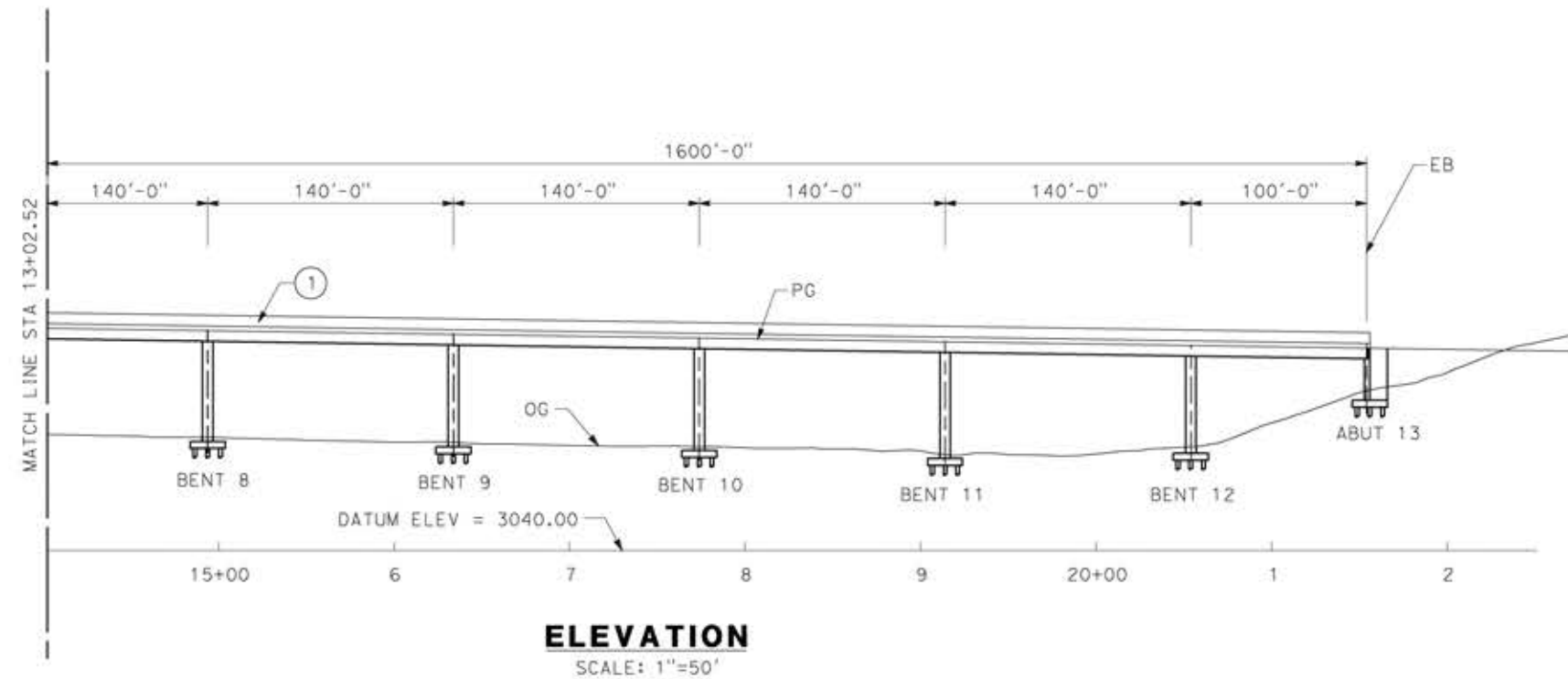
SHEET NO.



LEGEND:

- ① PARAPET
- INDICATES NEW CONSTRUCTION

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.



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18/05/2021 2:31:50

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**

DRAWN BY  
**J.LOPEZ**

CHECKED BY  
**J.REVOLTOS**

IN CHARGE  
**A.RELANO**

DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 FORESTON SOUTH ACCESS ROAD  
 GENERAL PLAN  
 SHEET 2 OF 2

CONTRACT NO.  
HSR14-42

DRAWING NO.  
ST-J1409-E2

SCALE  
AS SHOWN

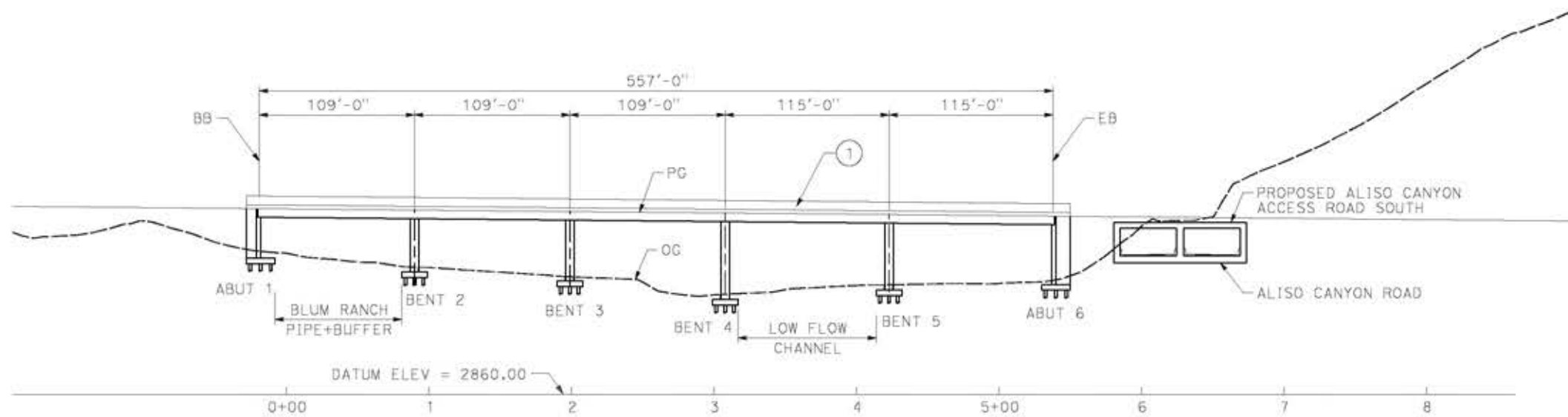
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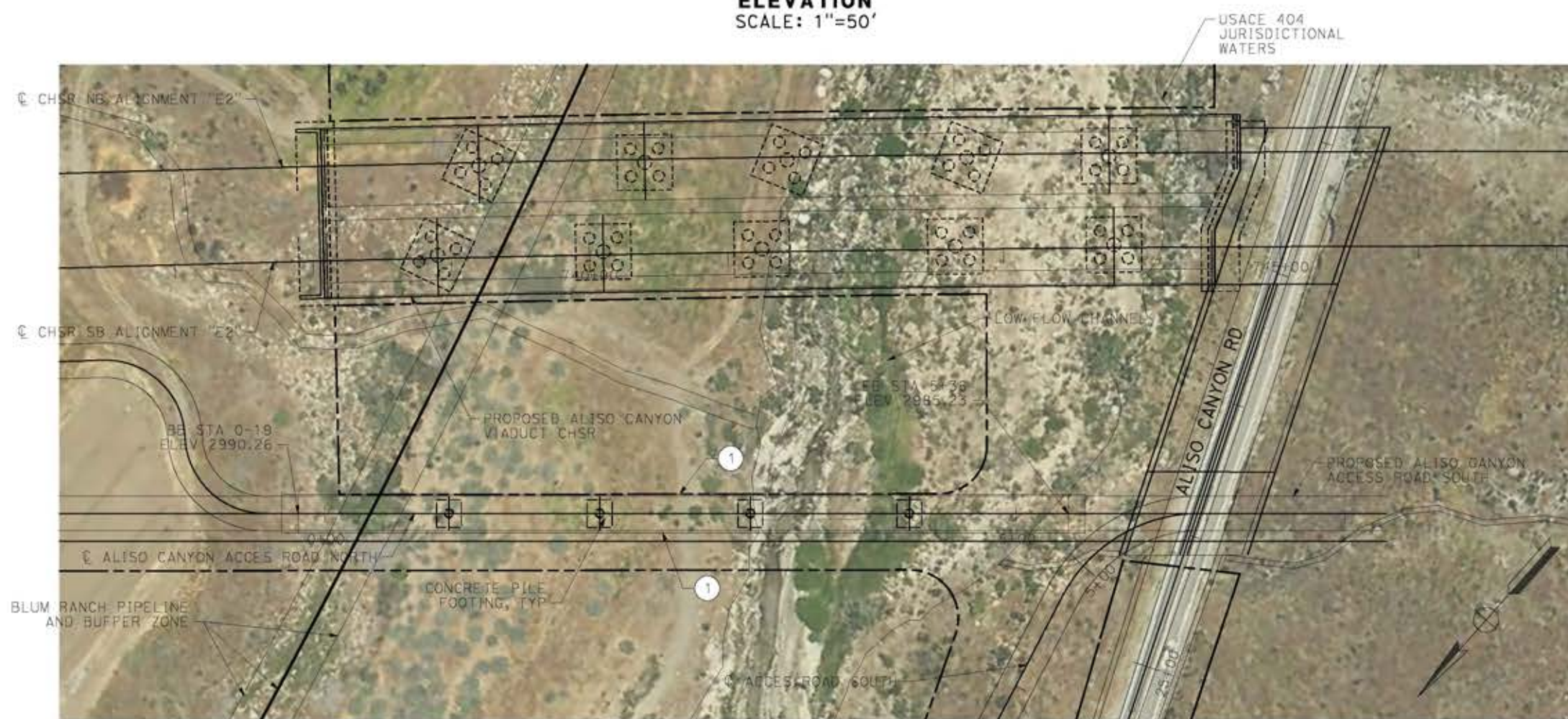
LEGEND:

- ① PARAPET
- INDICATES NEW CONSTRUCTION

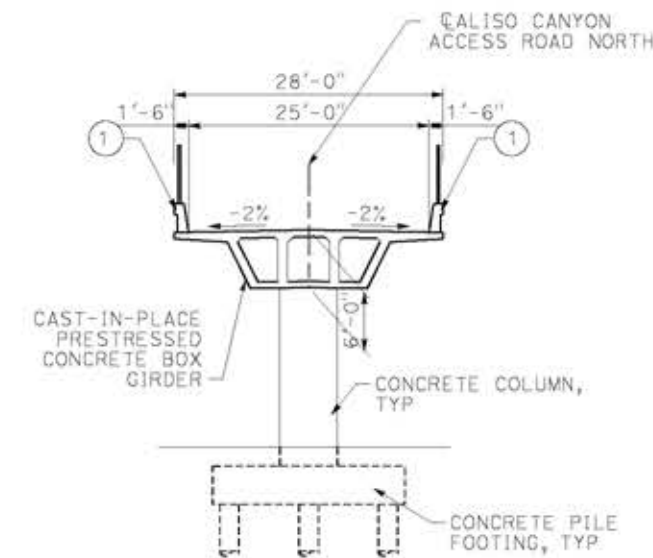
NOTE:  
 ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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



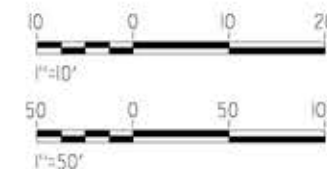
**ELEVATION**  
 SCALE: 1"=50'



**PLAN**  
 SCALE: 1"=50'



**TYPICAL SECTION**  
 SCALE: 1"=10'



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14/05/2021 11:31:25

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
 DRAWN BY  
**J.LOPEZ**  
 CHECKED BY  
**J.REVOLTOS**  
 IN CHARGE  
**A.RELANO**  
 DATE  
**04/30/2021**

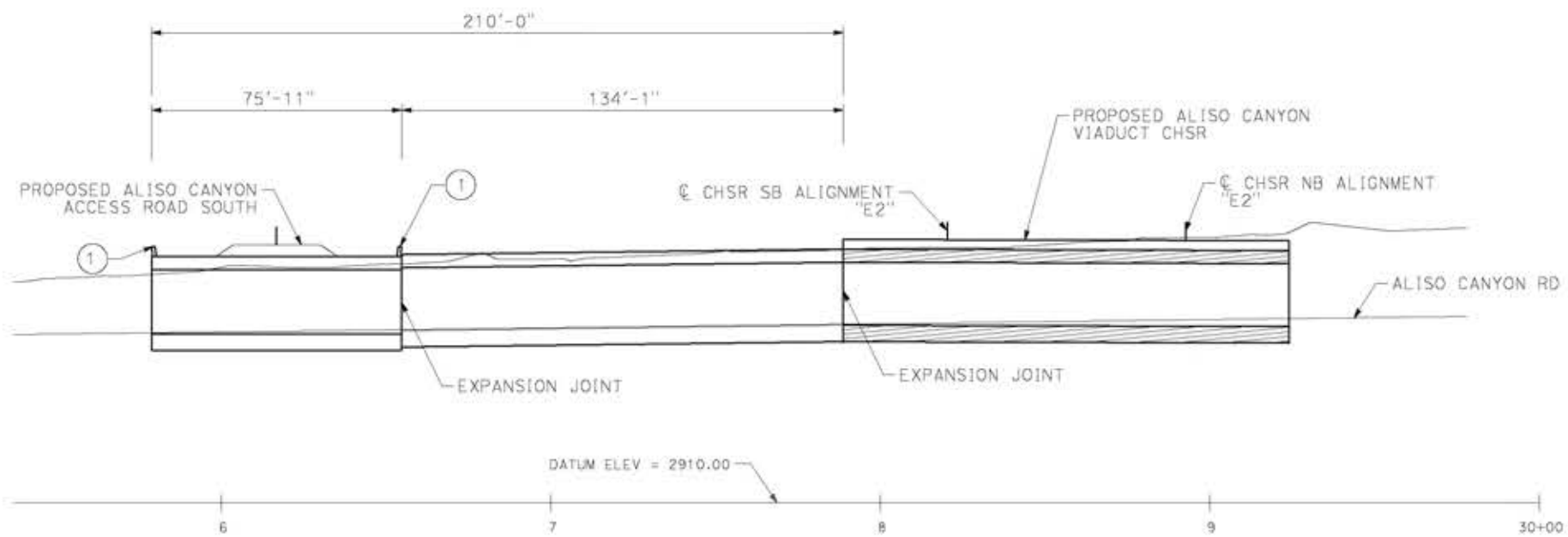
**PEPD RECORD SET**  
 REV 02  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 ALISO CANYON ACCESS ROAD NORTH  
 GENERAL PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**ST-J1410-E2**  
 SCALE  
**AS SHOWN**  
 SHEET NO.





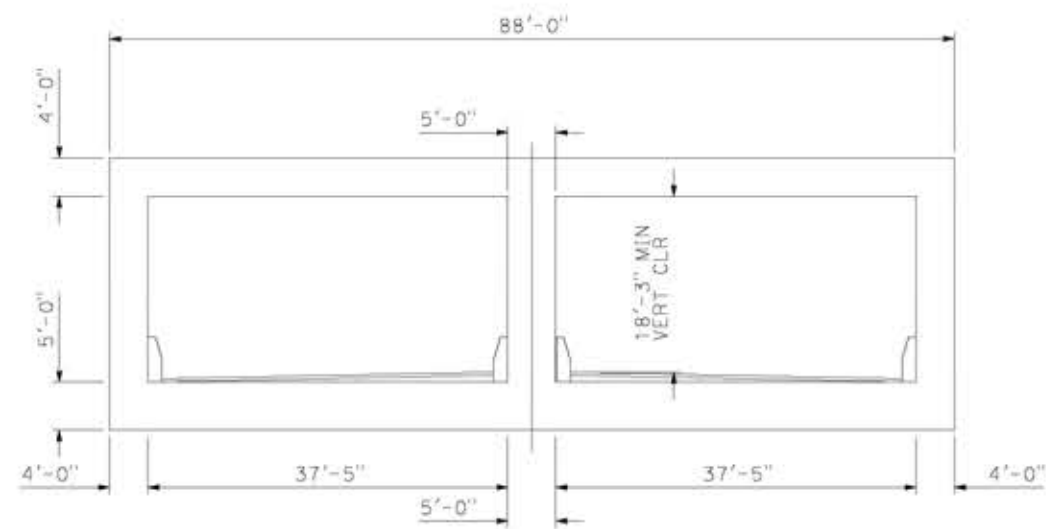
**ELEVATION**  
SCALE: 1"=25'

LEGEND:  
 (1) PARAPET  
 — INDICATES NEW CONSTRUCTION

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.



**PLAN**  
SCALE: 1"=25'



**TYPICAL SECTION**  
SCALE: 1"=10'

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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.RELANO**  
 DATE  
**04/30/2021**

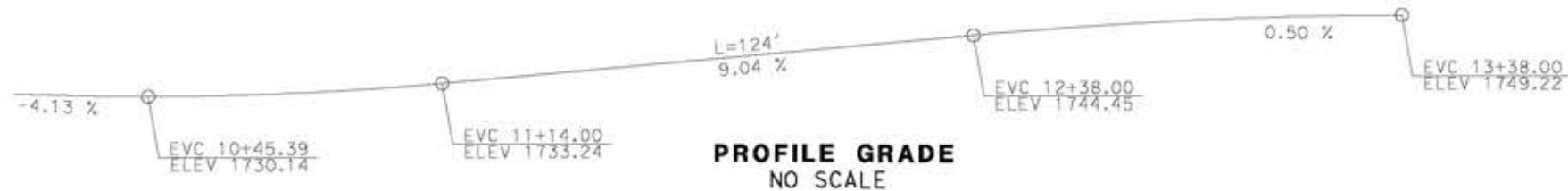
**PEPD RECORD SET**  
 REV 02  
**NOT FOR CONSTRUCTION**



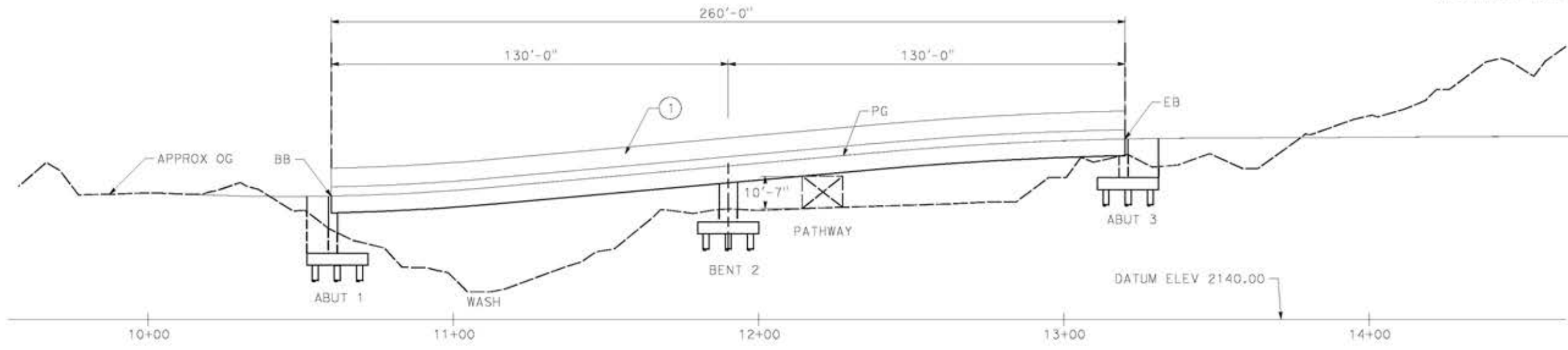
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 ALISO CANYON ACCESS ROAD SOUTH  
 GENERAL PLAN

CONTRACT NO.  
HSR14-42  
 DRAWING NO.  
ST-J1411-E2  
 SCALE  
AS SHOWN  
 SHEET NO.

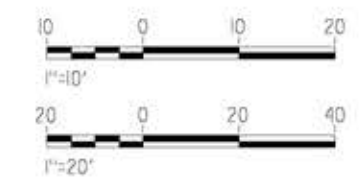
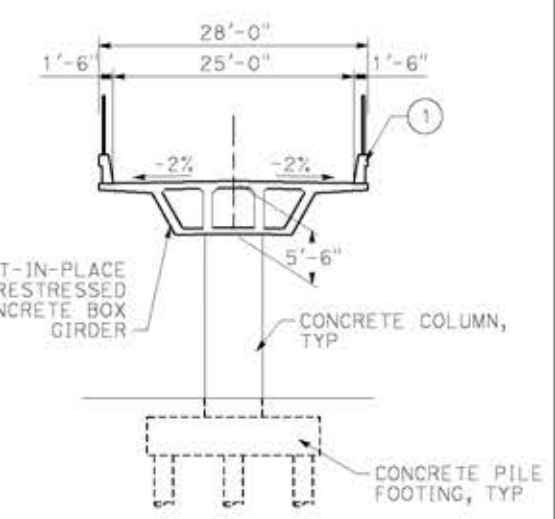




NOTE:  
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LEGEND:  
① PARAPET  
— INDICATES NEW CONSTRUCTION



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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  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
ADIT ACCESS ROAD E2 STA 1460  
GENERAL PLAN

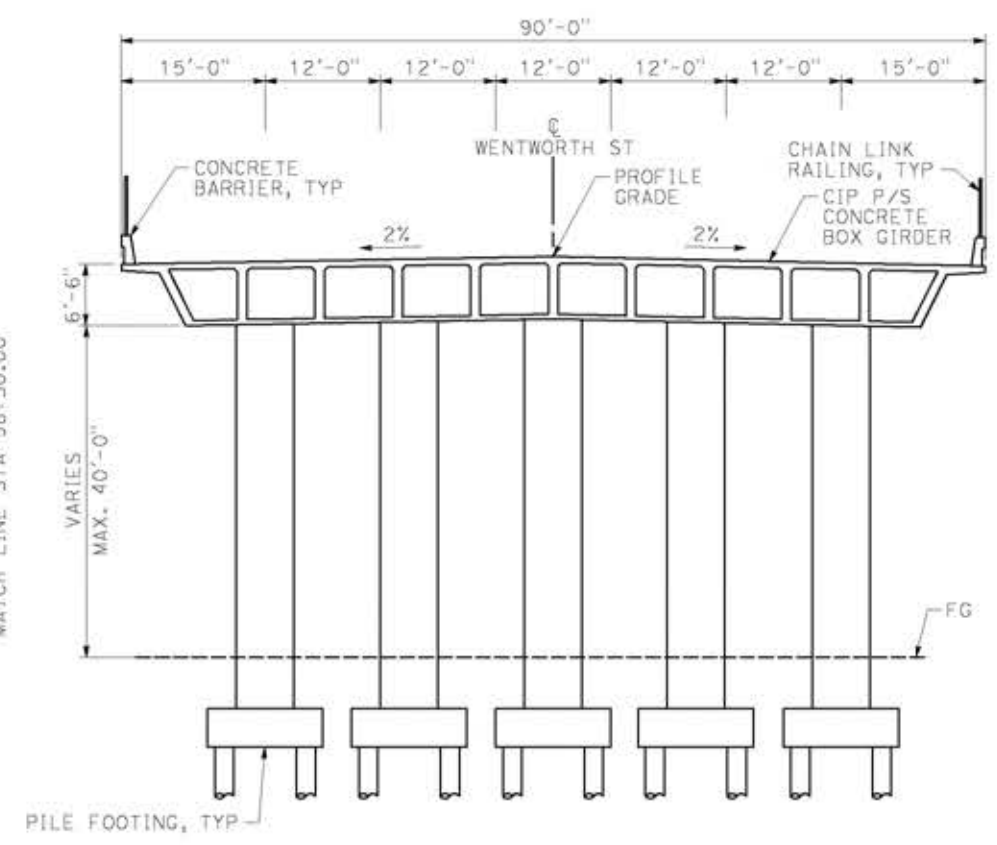
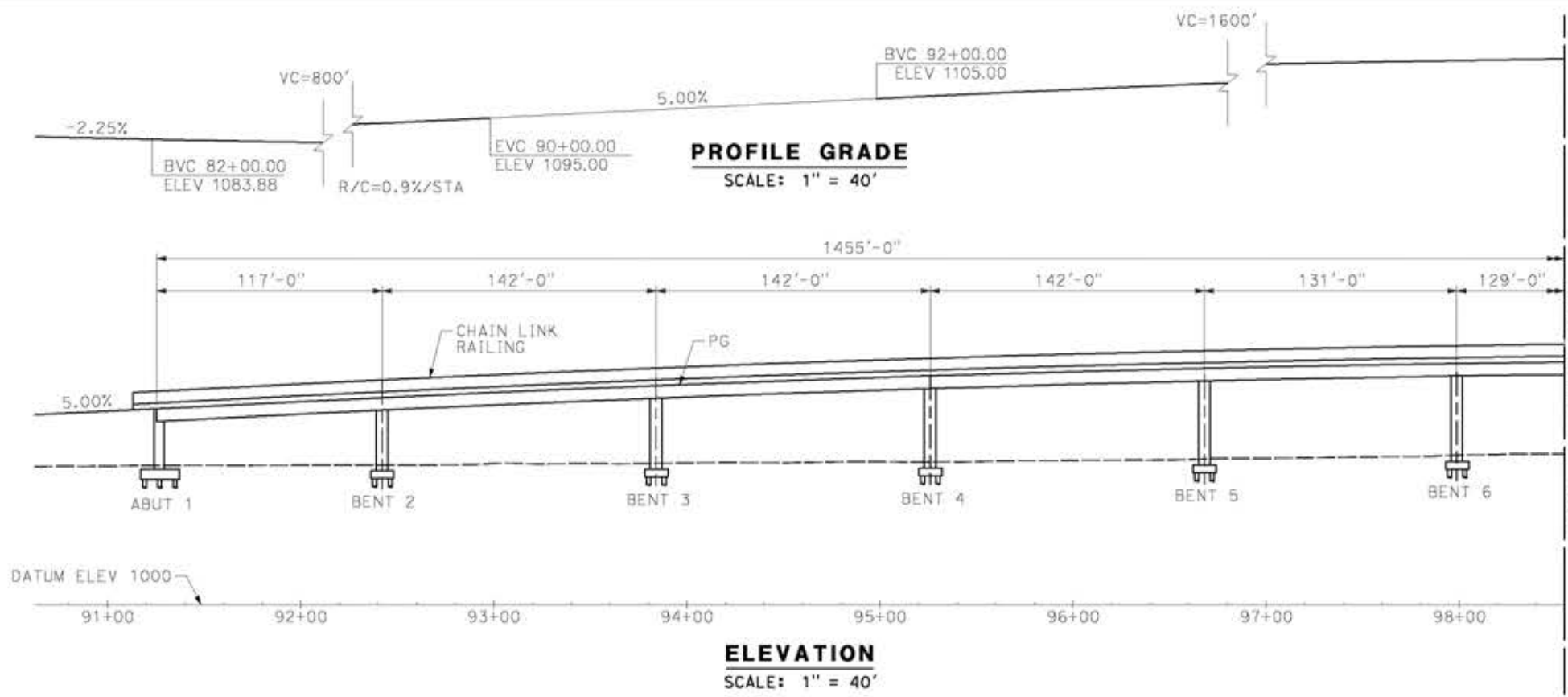
CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1412-E2  
SCALE  
AS SHOWN  
SHEET NO.



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14/05/2021 11:37:04

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

**NOTE:**  
 SEE GENERAL NOTES PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
 DRAWN BY  
**J.LOPEZ**  
 CHECKED BY  
**J.REVOLTOS**  
 IN CHARGE  
**A.RELANO**  
 DATE  
**04/30/2021**

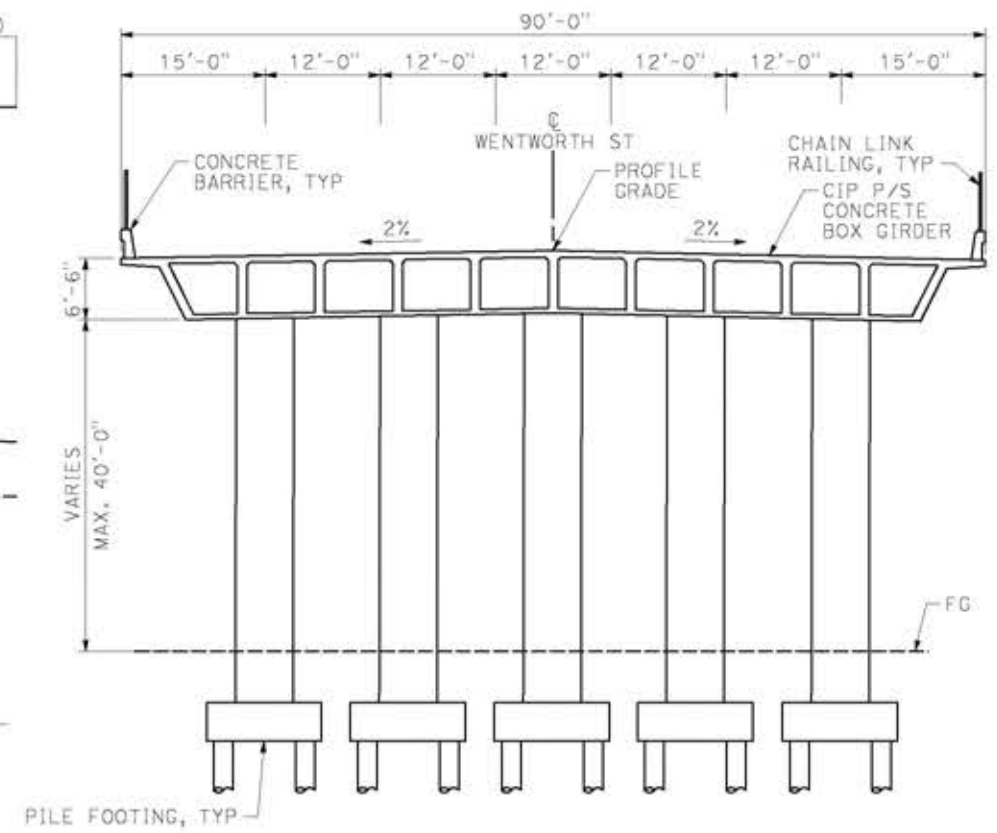
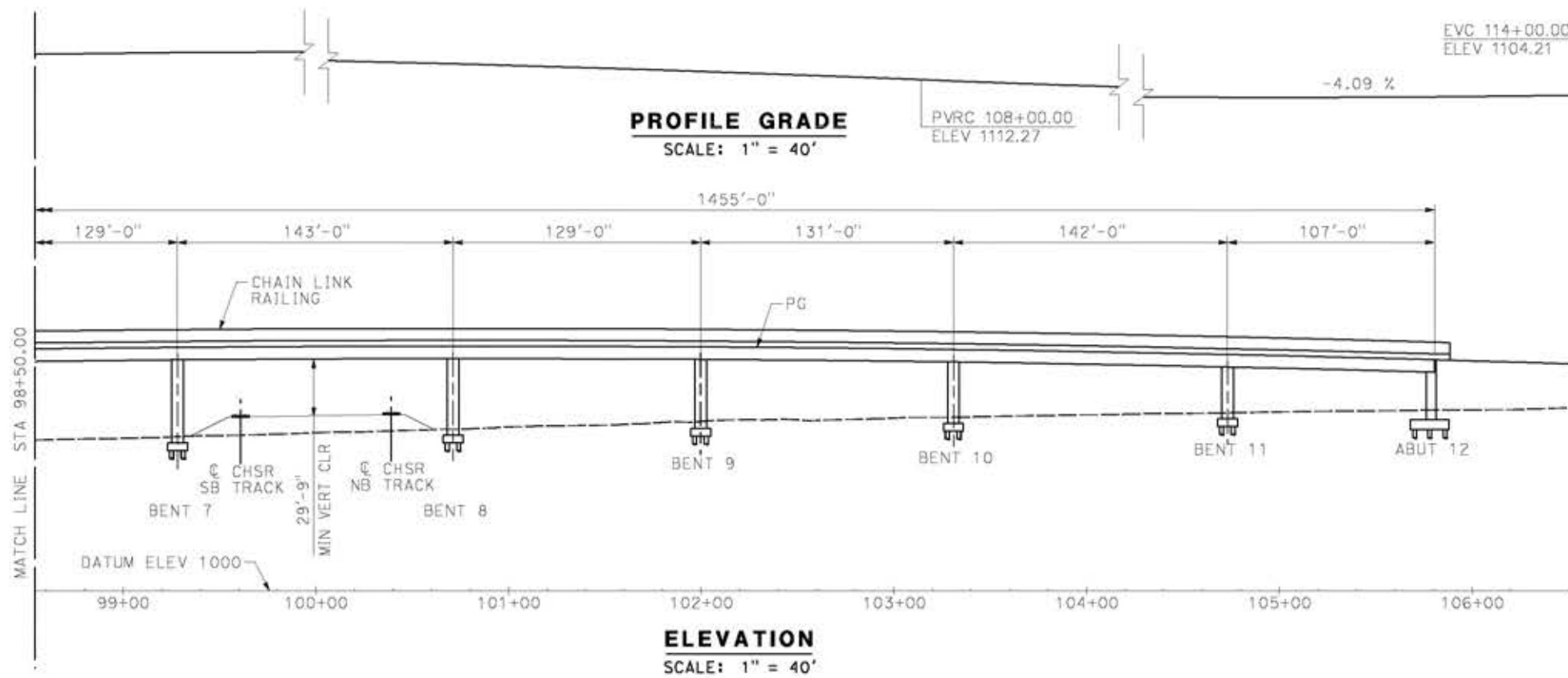
**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



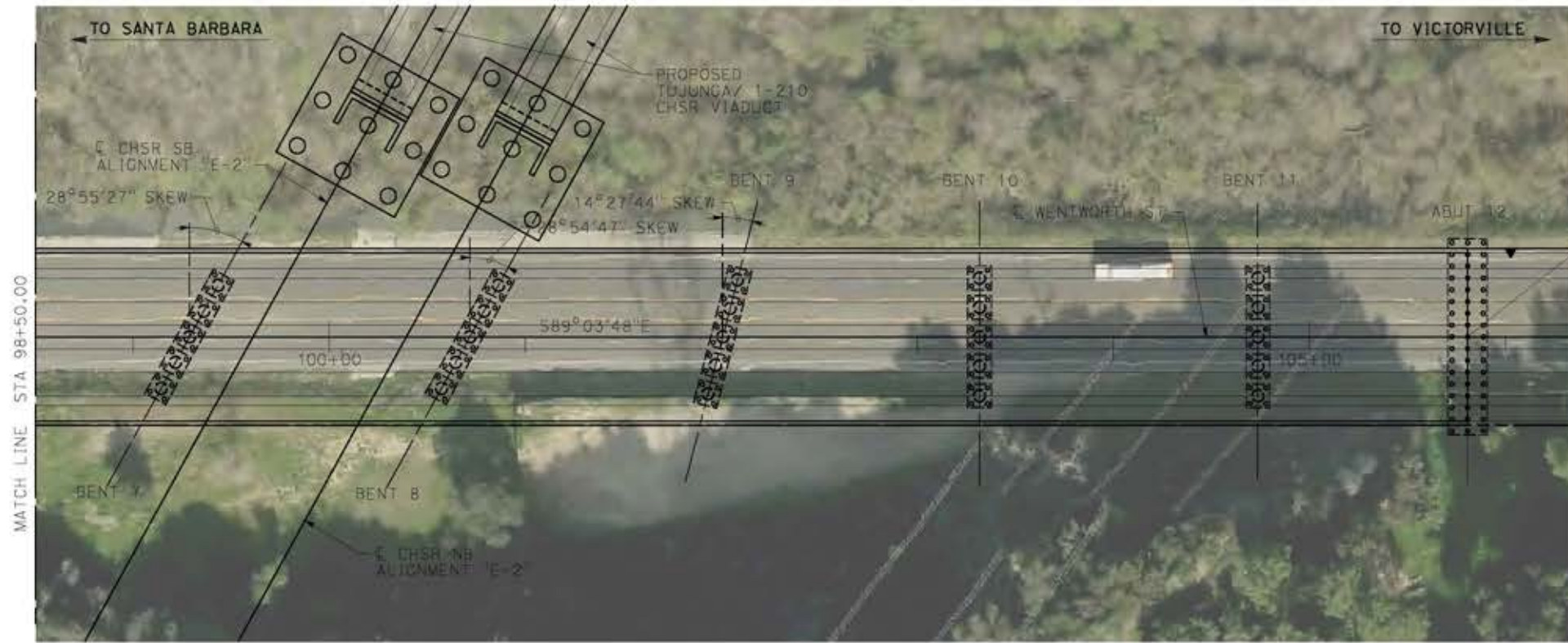
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 WENTWORTH STREET OVERCROSSING  
 GENERAL PLAN  
 SHEET 1 OF 2

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**ST-J1413-E2**  
 SCALE  
**AS SHOWN**  
 SHEET NO.

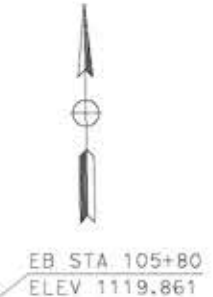




**TYPICAL SECTION**  
SCALE: 1" = 10'



**PLAN**  
SCALE: 1" = 40'



**NOTE:**  
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**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

**NOTE:**

SEE GENERAL NOTES PLAN

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14/05/2021 11:37:37

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A.MOLINA**  
DRAWN BY  
**J.LOPEZ**  
CHECKED BY  
**J.REVOLTOS**  
IN CHARGE  
**A.RELANO**  
DATE  
**04/30/2021**

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



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
WENTWORTH STREET OVERCROSSING  
GENERAL PLAN  
SHEET 2 OF 2

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
ST-J1414-E2  
SCALE  
AS SHOWN  
SHEET NO.