

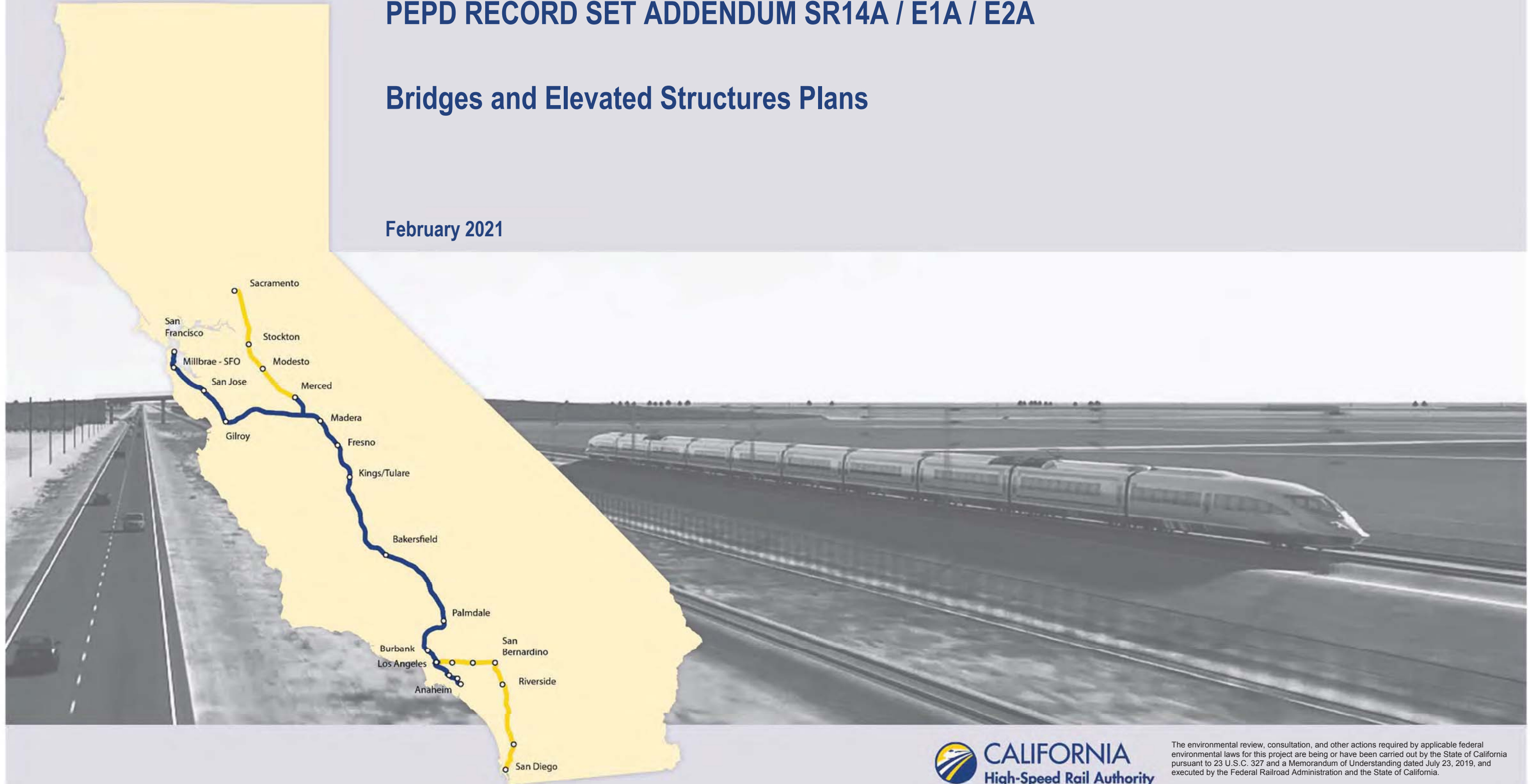
California High-Speed Rail Authority

Palmdale to Burbank Project Section

PEPD RECORD SET ADDENDUM SR14A / E1A / E2A

Bridges and Elevated Structures Plans

February 2021



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25/01/2021 10:24:26

GENERAL	
DRAWING NO	DRAWING DESCRIPTION
ST-B0000	COVER SHEET
ST-B0005	GENERAL INDEX OF DRAWINGS
ST-B0001	GENERAL BRIDGES AND ELEVATED STRUCTURES ABBREVIATIONS AND LEGEND 1 OF 2
ST-B0002	GENERAL BRIDGES AND ELEVATED STRUCTURES ABBREVIATIONS AND LEGEND 2 OF 2
SR14A	
DRAWING NO	DRAWING DESCRIPTION
ST-B0003-14A	ALIGNMENT "SR14A" FAULT KEY MAP FOR HSR VIADUCTS GENERAL PLAN
ST-B0004-14A	ALIGNMENT "SR14A" FAULT KEY MAP FOR ROADWAY & METROLINK BRIDGES GENERAL PLAN
ST-J1001-14A	ALIGNMENT "SR14A" BARREL SPRINGS ROAD UNDERPASS GENERAL PLAN
ST-J1002-14A	ALIGNMENT "SR14A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 1 OF 3
ST-J1003-14A	ALIGNMENT "SR14A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 2 OF 3
ST-J1004-14A	ALIGNMENT "SR14A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 3 OF 3
ST-J1005-14A	ALIGNMENT "SR14A" STA 1186+10 VIADUCT GENERAL PLAN
ST-J1006-14A	ALIGNMENT "SR14A" AGUA DULCE VIADUCT GENERAL PLAN 1 OF 2
ST-J1007-14A	ALIGNMENT "SR14A" AGUA DULCE VIADUCT GENERAL PLAN 2 OF 2
ST-J1008-14A	ALIGNMENT "SR14A" SANTA CLARA VIADUCT GENERAL PLAN 1 OF 3
ST-J1009-14A	ALIGNMENT "SR14A" SANTA CLARA VIADUCT GENERAL PLAN 2 OF 3
ST-J1010-14A	ALIGNMENT "SR14A" SANTA CLARA VIADUCT GENERAL PLAN 3 OF 3
ST-J1201-14A	ALIGNMENT "SR14A" METROLINK OVERHEAD GENERAL PLAN
ST-J1401-14A	ALIGNMENT "SR14A" SIERRA HIGHWAY OVERHEAD GENERAL PLAN
ST-J1402-14A	ALIGNMENT "SR14A" AVENUE S OVERCROSSING GENERAL PLAN
E1A / E2A	
DRAWING NO	DRAWING DESCRIPTION
ST-B0003-EA	ALIGNMENT "E1A/E2A" FAULT KEY MAP FOR HSR VIADUCTS GENERAL PLAN
ST-B0004-EA	ALIGNMENT "E1A/E2A" FAULT KEY MAP FOR ROADWAY & METROLINK BRIDGES GENERAL PLAN
ST-J1001-EA	ALIGNMENT "E1A/E2A" BARREL SPRINGS ROAD UNDERPASS GENERAL PLAN
ST-J1002-EA	ALIGNMENT "E1A/E2A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 1 OF 3
ST-J1003-EA	ALIGNMENT "E1A/E2A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 2 OF 3
ST-J1004-EA	ALIGNMENT "E1A/E2A" SOLEDAD SIPHON VIADUCT GENERAL PLAN 3 OF 3
ST-J1005-EA	ALIGNMENT "E1A/E2A" NORTH OF FORESTON DRIVE VIADUCT GENERAL PLAN
ST-J1006-EA	ALIGNMENT "E1A/E2A" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN 1 OF 2
ST-J1007-EA	ALIGNMENT "E1A/E2A" SOUTH OF FORESTON DRIVE VIADUCT GENERAL PLAN 2 OF 2
ST-J1201-EA	ALIGNMENT "E1A/E2A" METROLINK OVERHEAD GENERAL PLAN
ST-J1401-EA	ALIGNMENT "E1A/E2A" SIERRA HIGHWAY OVERHEAD GENERAL PLAN
ST-J1402-EA	ALIGNMENT "E1A/E2A" AVENUE S OVERCROSSING GENERAL PLAN
ST-J1403-EA	ALIGNMENT "E1A/E2A" FORESTON DRIVE OVERHEAD GENERAL PLAN
ST-J1404-EA	ALIGNMENT "E1A/E2A" FORESTON SOUTH ACCESS ROAD GENERAL PLAN 1 OF 2
ST-J1405-EA	ALIGNMENT "E1A/E2A" FORESTON SOUTH ACCESS ROAD GENERAL PLAN 2 OF 2

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
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J.LOPEZ
CHECKED BY
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A.RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



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

GENERAL
INDEX OF DRAWINGS

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-B0005
SCALE
AS SHOWN
SHEET NO.

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A

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

B

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

C

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

C CONTINUED

CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY
 CHST CALIFORNIA HIGH SPEED TRAIN
 CHSR CALIFORNIA HIGH SPEED RAIL
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP,C-I-P CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST IN PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL-SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CENTERLINE, CLASS
 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
 MTL 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

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A. RELAÑO
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**

GENERAL
 BRIDGES AND ELEVATED STRUCTURES
 ABBREVIATIONS AND LEGEND 1 OF 2

CONTRACT NO.
HSR14-42
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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
 RCPA REINFORCED CONCRETE PIPE ARCH
 RD ROAD
 REINF REINFORCED, REINFORCEMENT, REINFORCING
 REL RELOCATE
 REPL REPLACEMENT
 RET RETAINING
 REV REVISED
 RDWY ROADWAY
 RM ROAD-MIXED
 RP RADIUS POINT, REFERENCE POINT
 RR RAILROAD
 RSP ROCK SLOPE PROTECTION
 RT RIGHT
 RTE ROUTE
 RW REDWOOD, RETAINING WALL
 R/W RIGHT OF WAY
 RWY RAILWAY

S

S SOUTH, SUPPLEMENT
 SAE STRUCTURE APPROACH EMBANKMENT
 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 THRIE BEAM BARRIER
 STD STANDARD
 STR STRUCTURE
 SRS STAND ALONE RADIO SITE
 SURF SURFACING
 SW SIDEWALK, SOUND WALL
 SWR SEWER
 SWS SWITCHING STATION
 SYM SYMMETRICAL
 S4S SURFACE 4 SIDES

T

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

U

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

V

V VALVE, DESIGN SPEED

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

X

X SEC CROSS SECTION
 XING CROSSING

Y

YR YEAR
 YRS YEARS

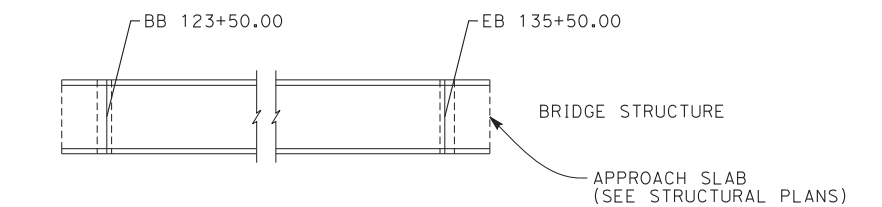
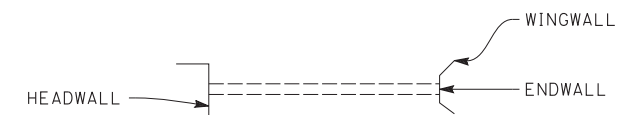
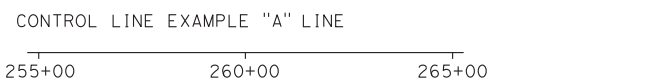
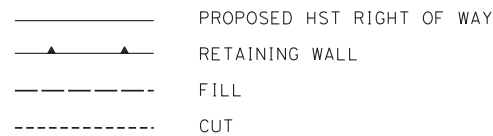
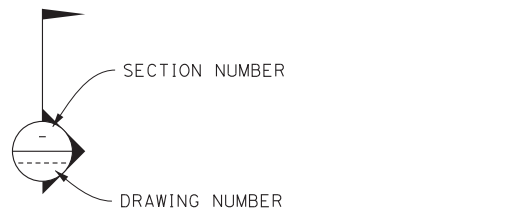
GENERAL NOTES

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

DRAWING CODES:

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

LEGEND



\$FILE\$

\$DATE\$

\$USER\$

REV	DATE	BY	CHK	APP	DESCRIPTION

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A. MOLINA
 DRAWN BY
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J. REVOLTOS
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A. RELAÑO
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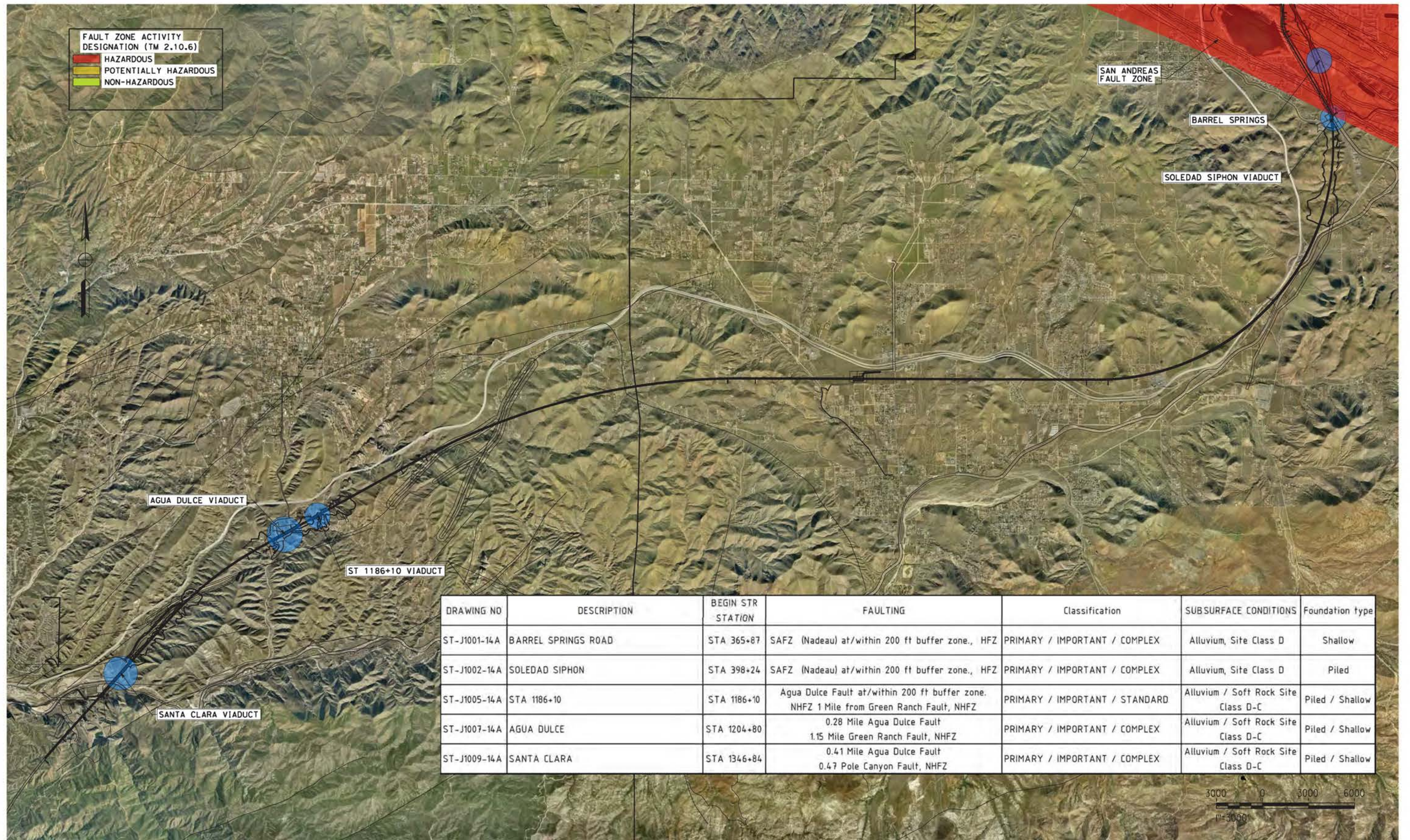
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**

GENERAL
 BRIDGES AND ELEVATED STRUCTURES
 ABBREVIATIONS AND LEGEND 2 OF 2

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

FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)

- █ HAZARDOUS
- █ POTENTIALLY HAZARDOUS
- █ NON-HAZARDOUS



DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	Classification	SUBSURFACE CONDITIONS	Foundation type
ST-J1001-14A	BARREL SPRINGS ROAD	STA 365+87	SAFZ (Nadeau) at/within 200 ft buffer zone., HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Shallow
ST-J1002-14A	SOLEDAD SIPHON	STA 398+24	SAFZ (Nadeau) at/within 200 ft buffer zone., HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1005-14A	STA 1186+10	STA 1186+10	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-J1007-14A	AGUA DULCE	STA 1204+80	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-J1009-14A	SANTA CLARA	STA 1346+84	0.41 Mile Agua Dulce Fault 0.47 Pole Canyon Fault, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium / Soft Rock Site Class D-C	Piled / Shallow



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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "SR14A"
 FAULT KEY MAP FOR HSR VIADUCTS
 GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-B0003-14A

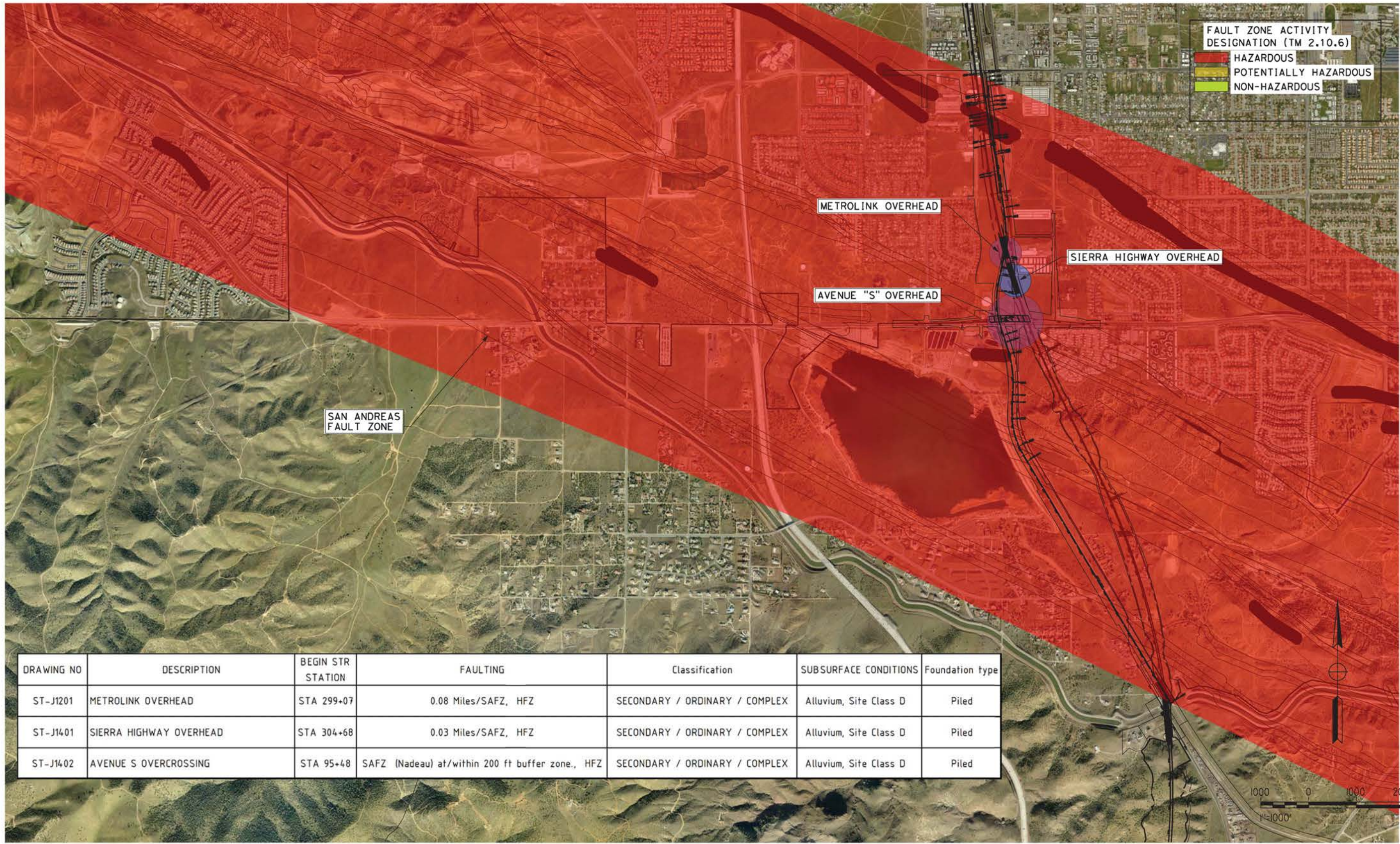
SCALE
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SHEET NO.

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FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)
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 POTENTIALLY HAZARDOUS
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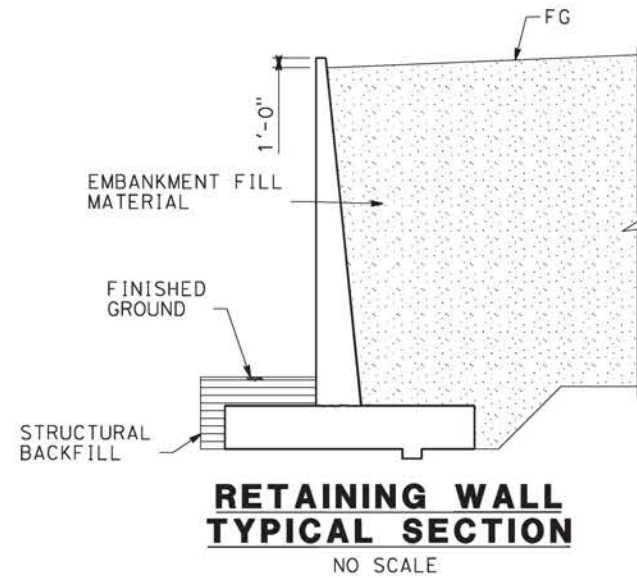
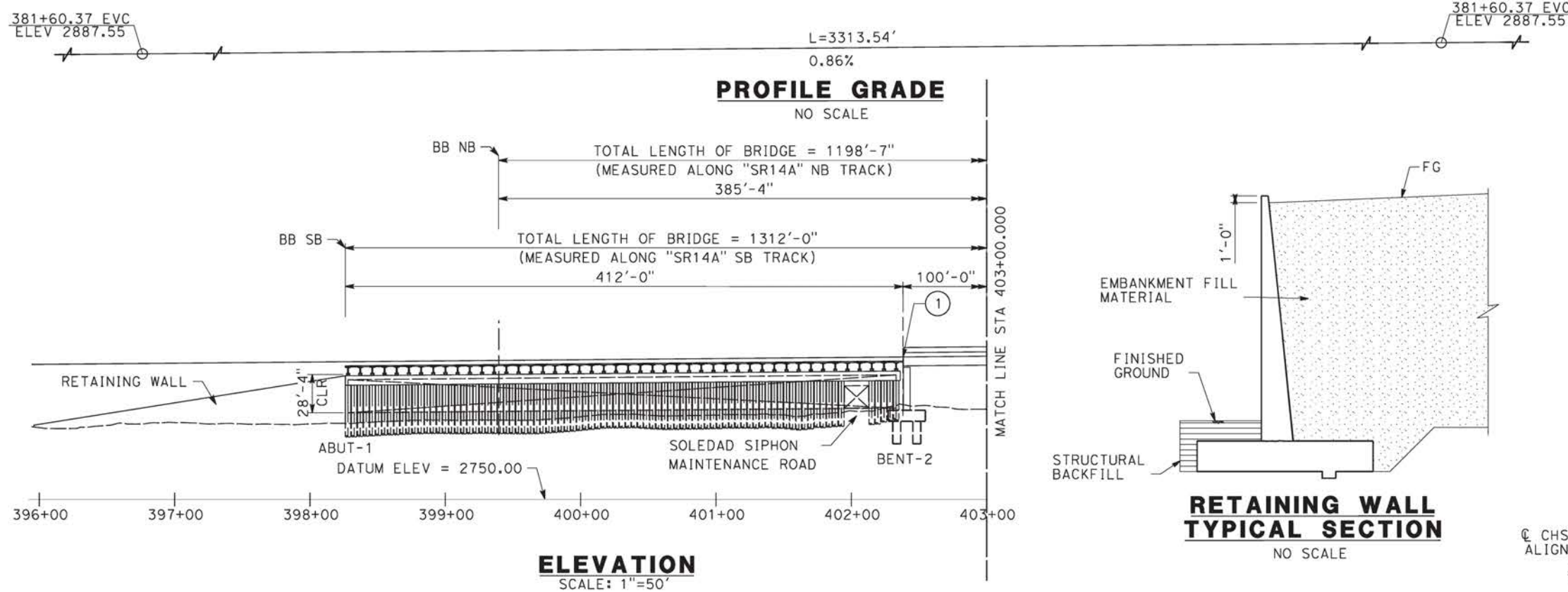
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 CONSTRUCTION**



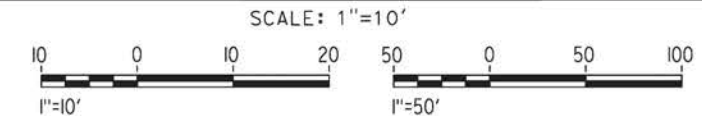
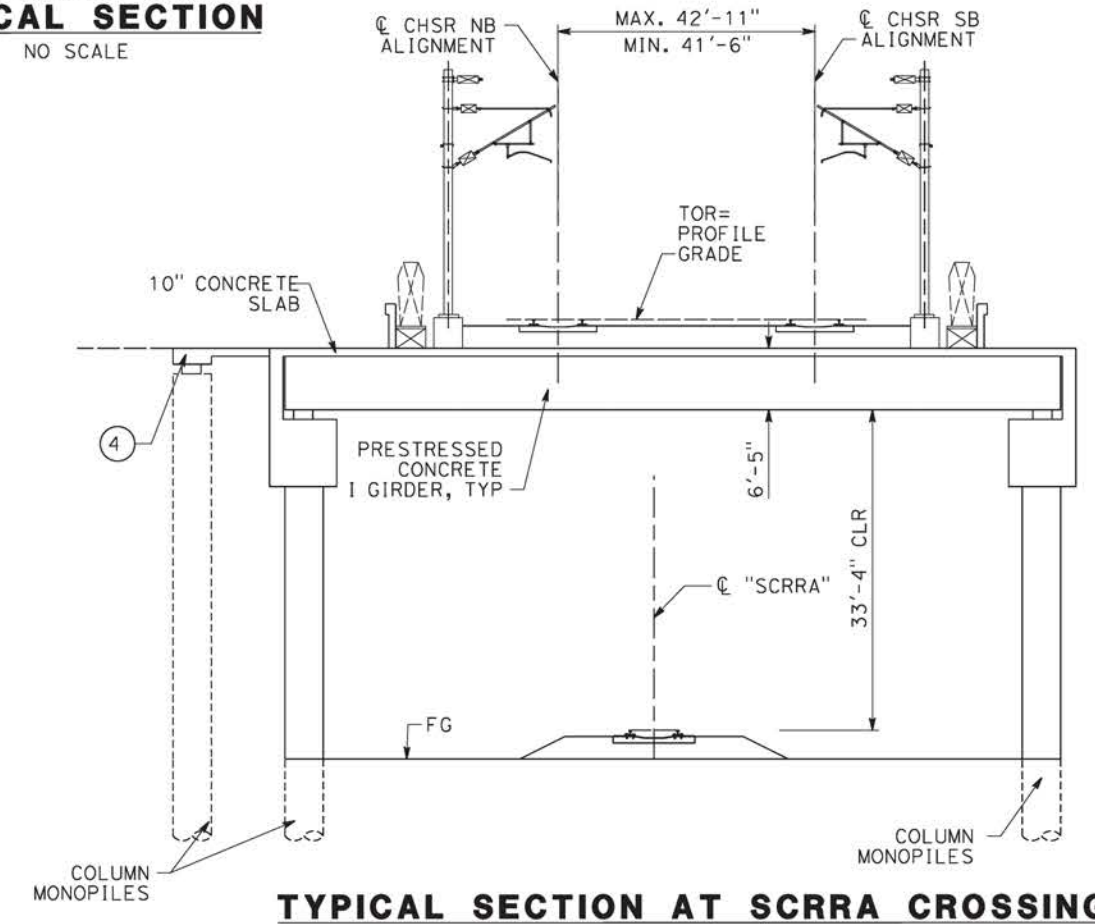
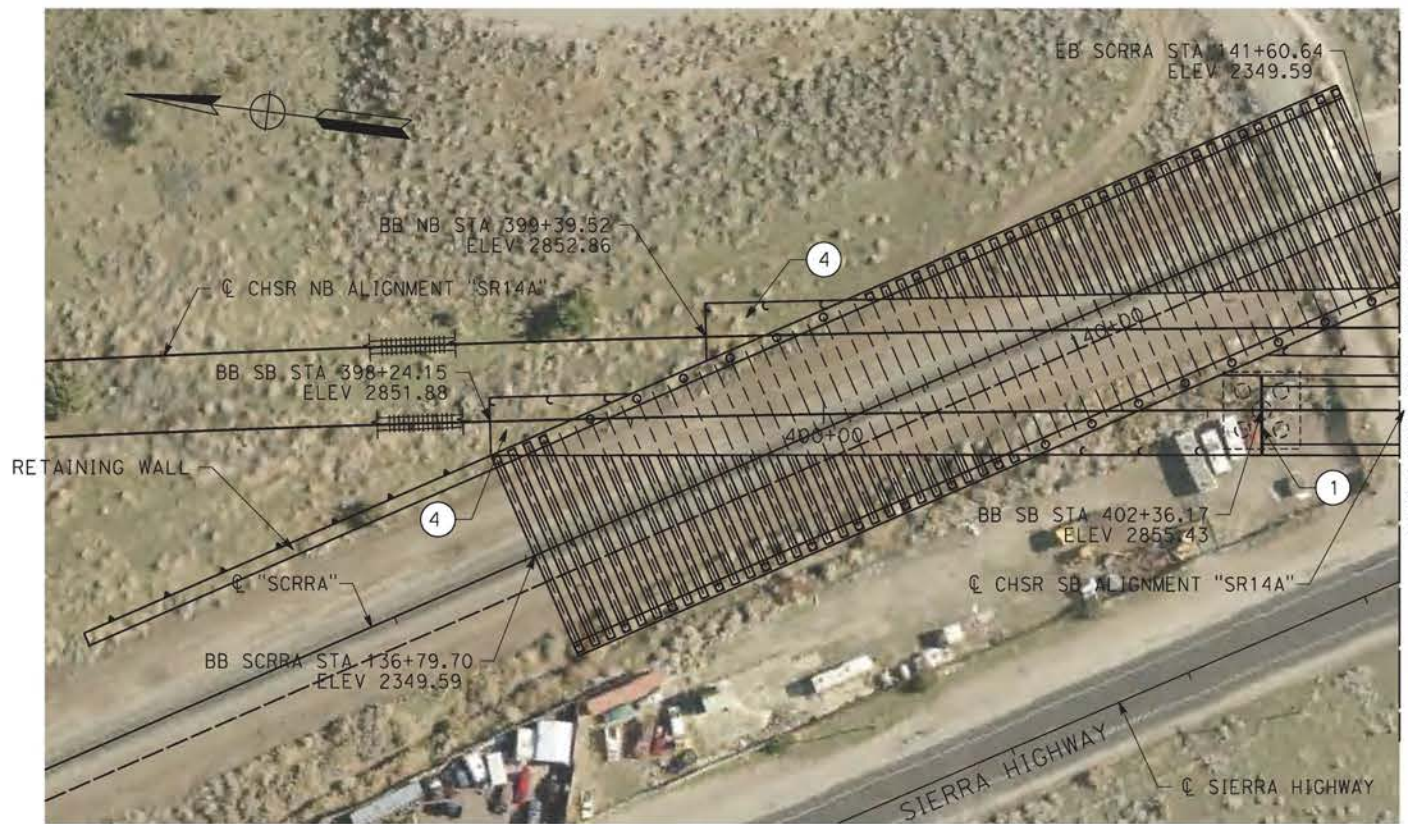
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**
 ALIGNMENT "SR14A"
 FAULT KEY MAP FOR ROADWAY & METROLINK BRIDGES
 GENERAL PLAN

CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-B0004-14A
 SCALE
1"=1000"
 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.



c:\pwworking\chsr\dms28530\pb-st-j1002-14a.dgn

09/12/2020 11:08:05

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
1 OF 3

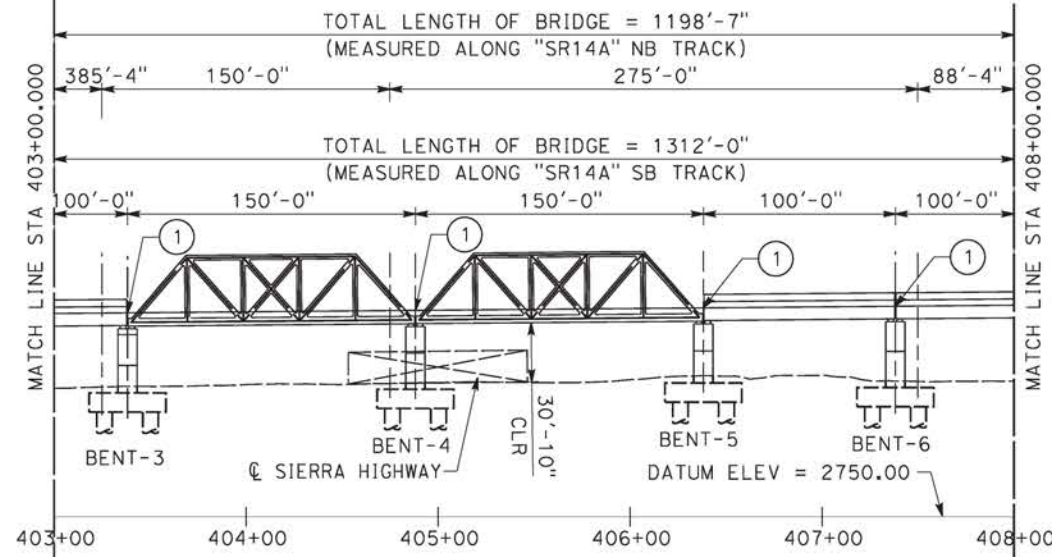
CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1002-14A
SCALE
AS SHOWN
SHEET NO.

381+60.37 EVC
ELEV 2887.55

381+60.37 EVC
ELEV 2887.55

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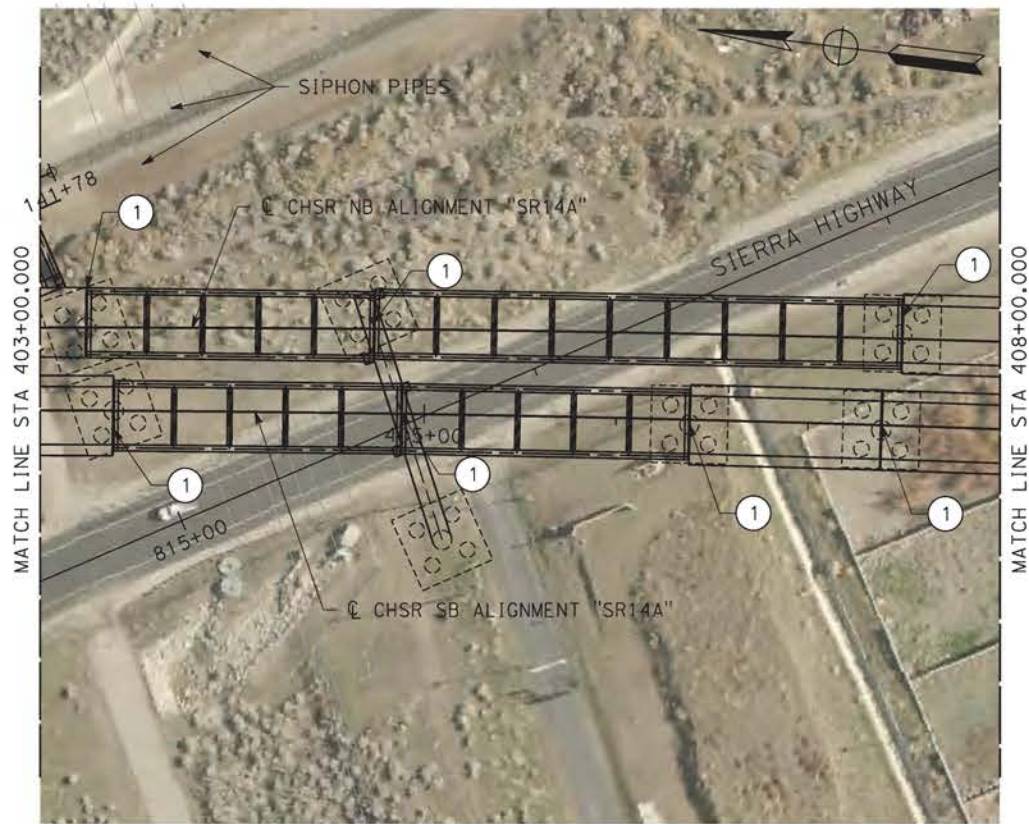
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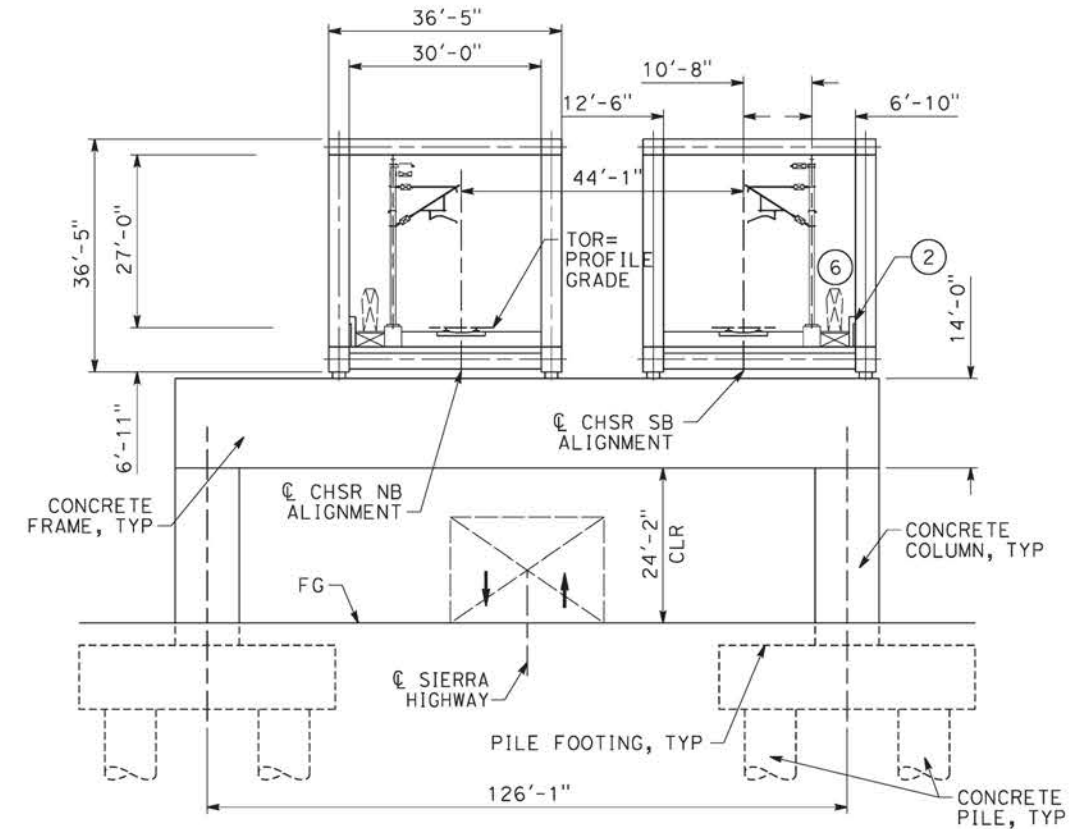
ELEVATION
SCALE: 1"=50'

- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
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PLAN
SCALE: 1"=50'



TYPICAL SECTION AT SIPHON & SIERRA HIGHWAY CROSSING
SCALE: 1"=15'



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09/12/2020 11:08:32

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
2 OF 3

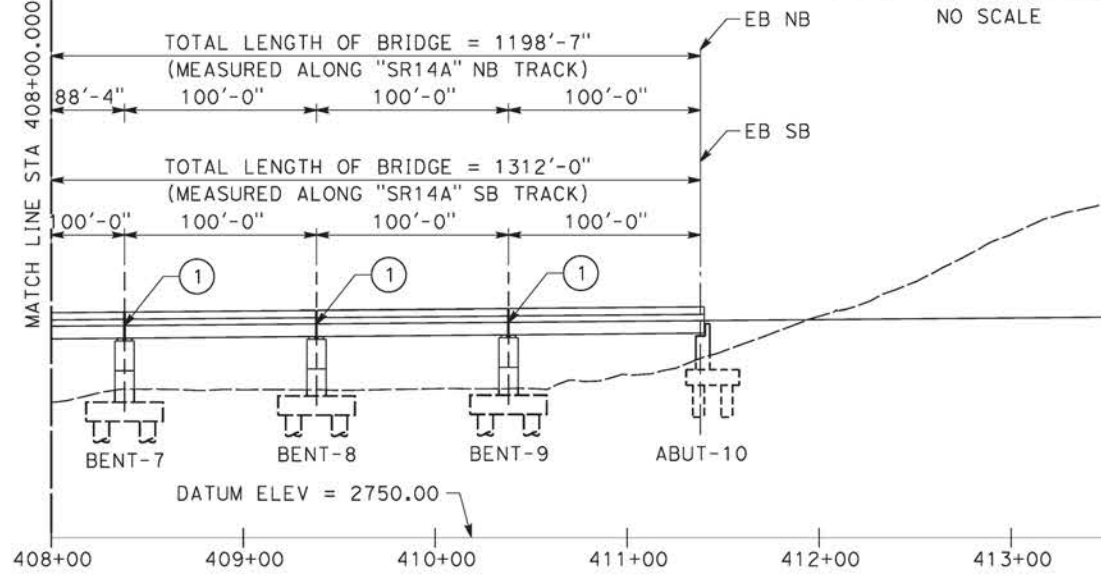
CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1003-14A
SCALE
AS SHOWN
SHEET NO.

381+60.37 EVC
ELEV 2887.55

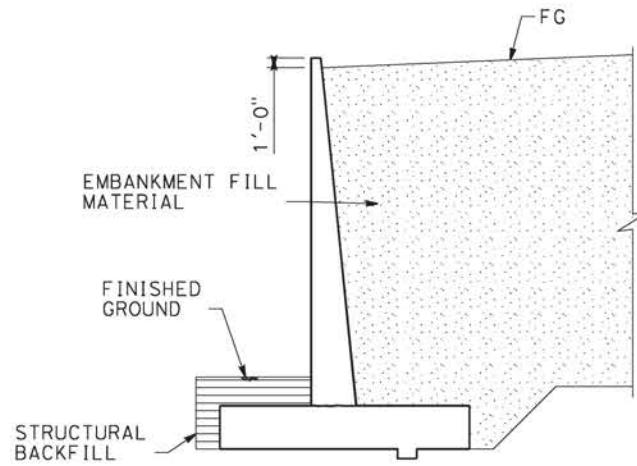
381+60.37 EVC
ELEV 2887.55

L=3313.54'
0.86%

PROFILE GRADE
NO SCALE



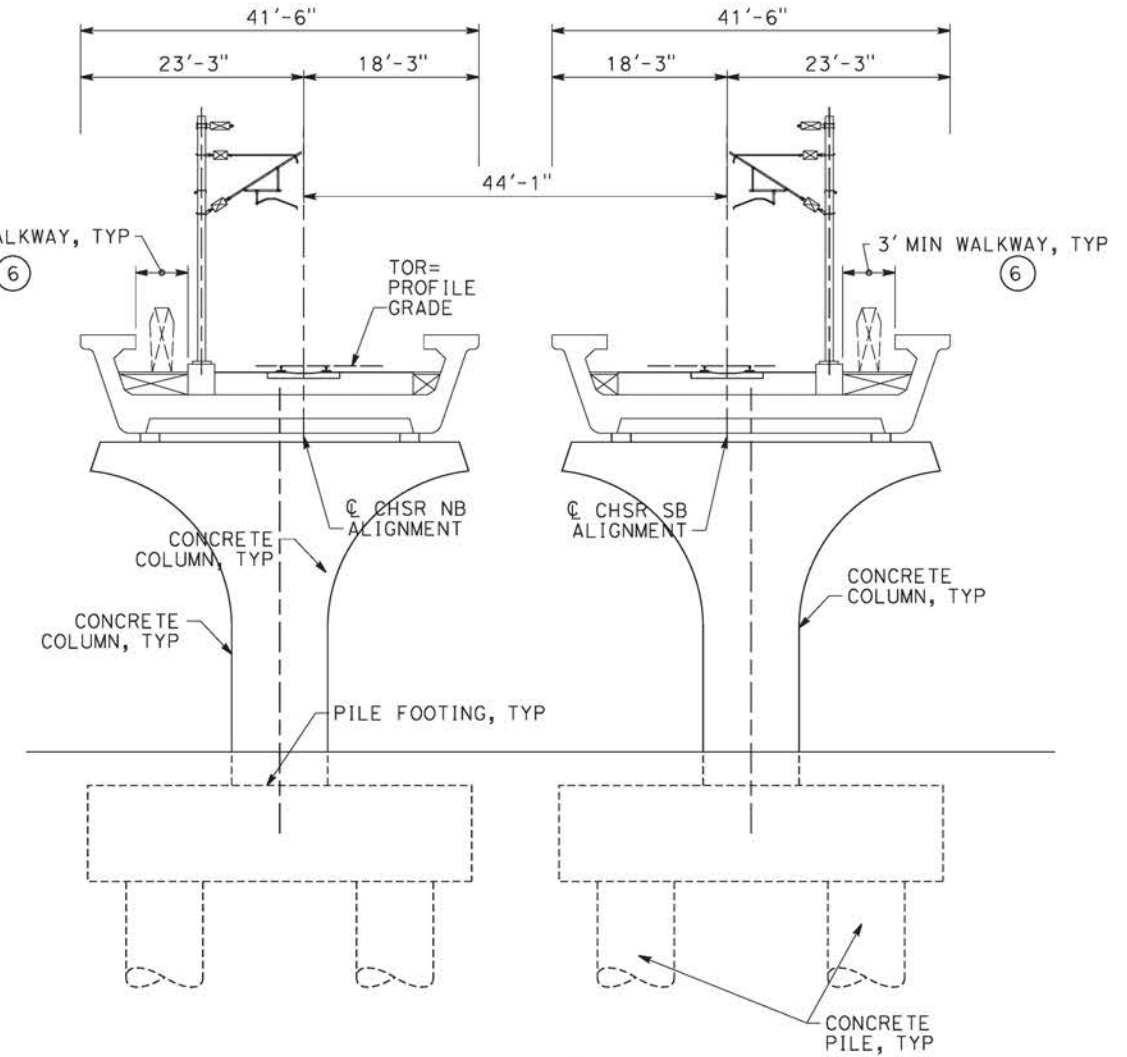
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SCALE: 1"=50'



**RETAINING WALL
TYPICAL SECTION**
NO SCALE

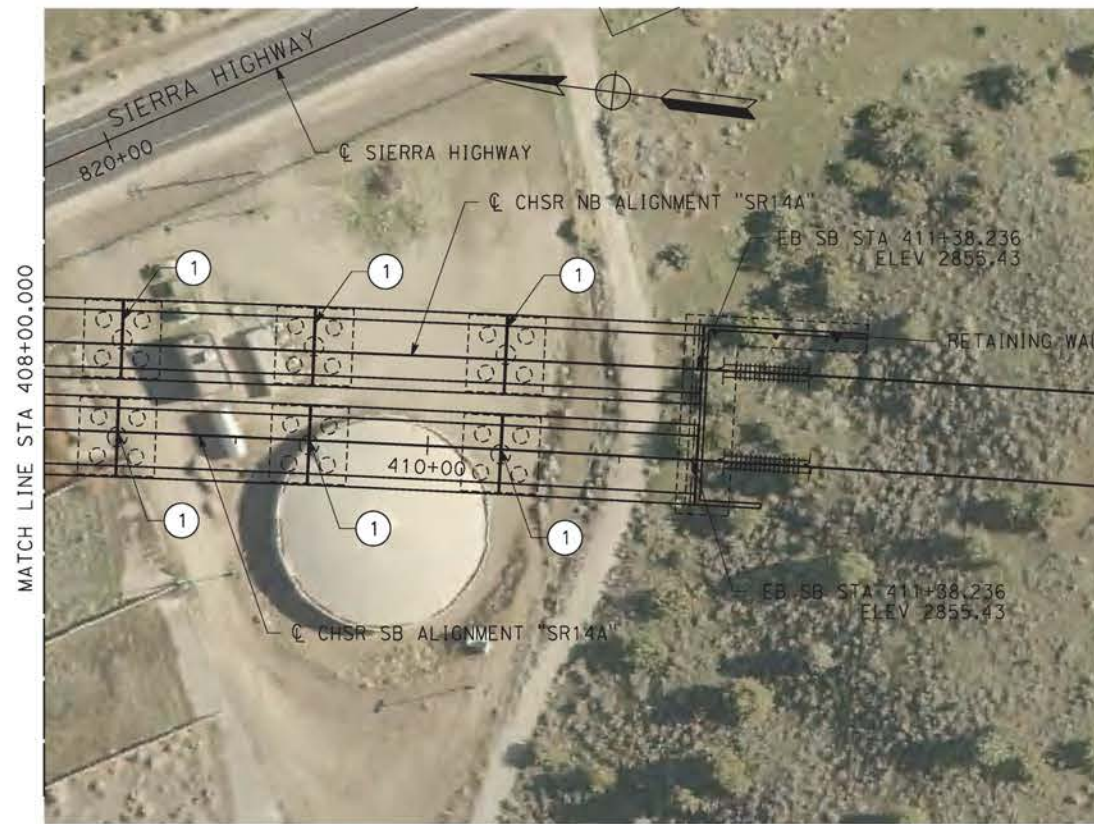
NOTE:
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 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY



TYPICAL SECTION AT WATER PLANT CROSSING

SCALE: 1"=10'



PLAN
SCALE: 1"=50'

09/12/2020 11:09:00 c:\pwworking\chsr\dms28530\pb-st-j1004-14a.dgn 0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

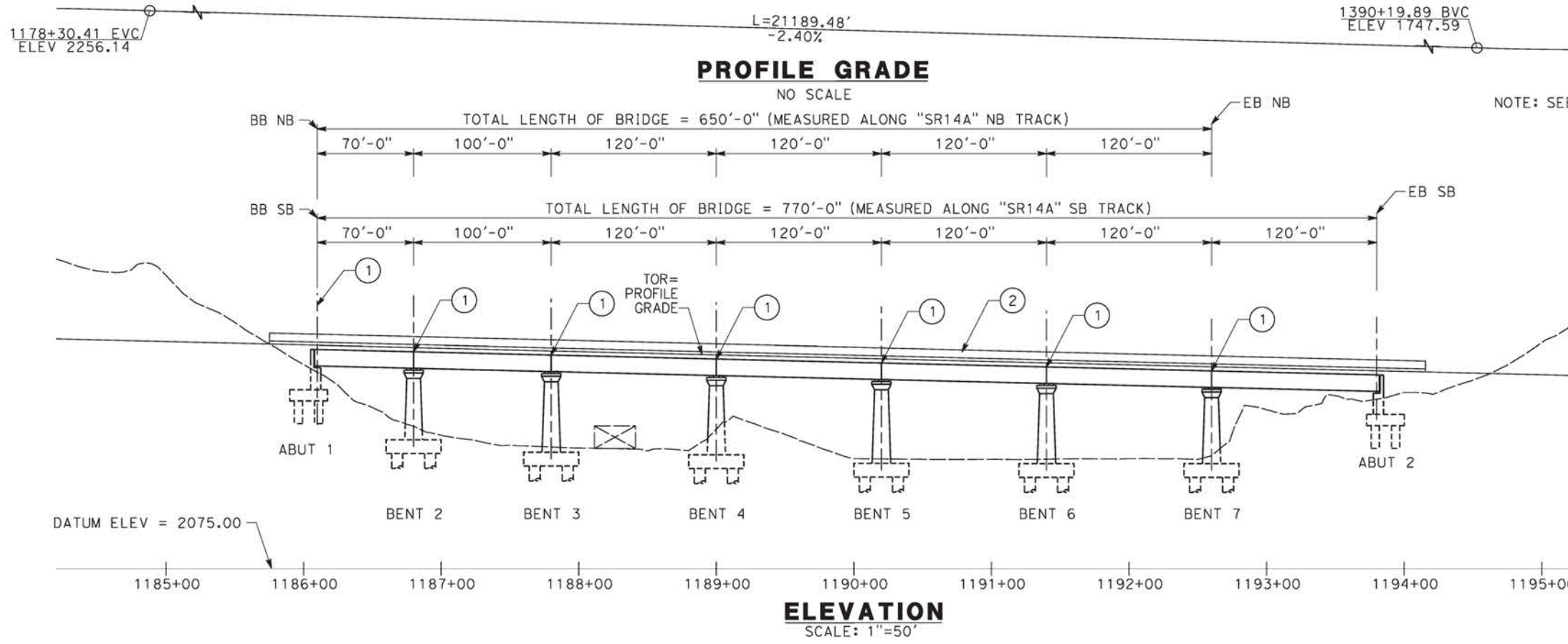
**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



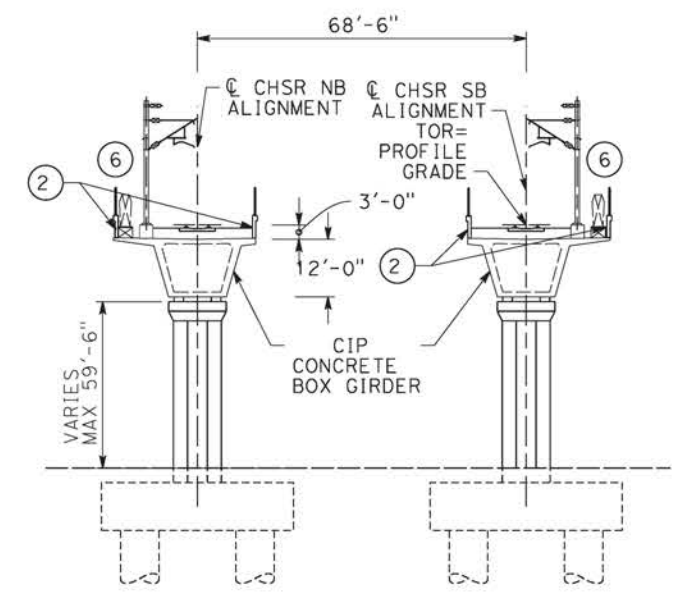
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
3 OF 3

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1004-14A
SCALE
AS SHOWN
SHEET NO.

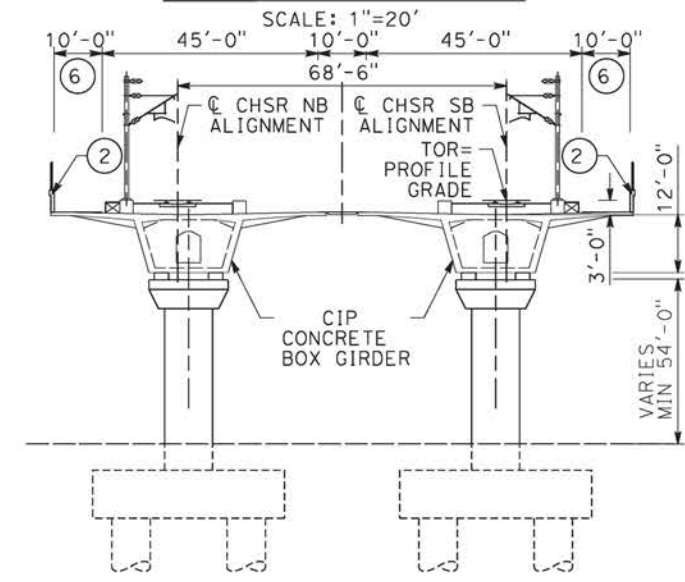


- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

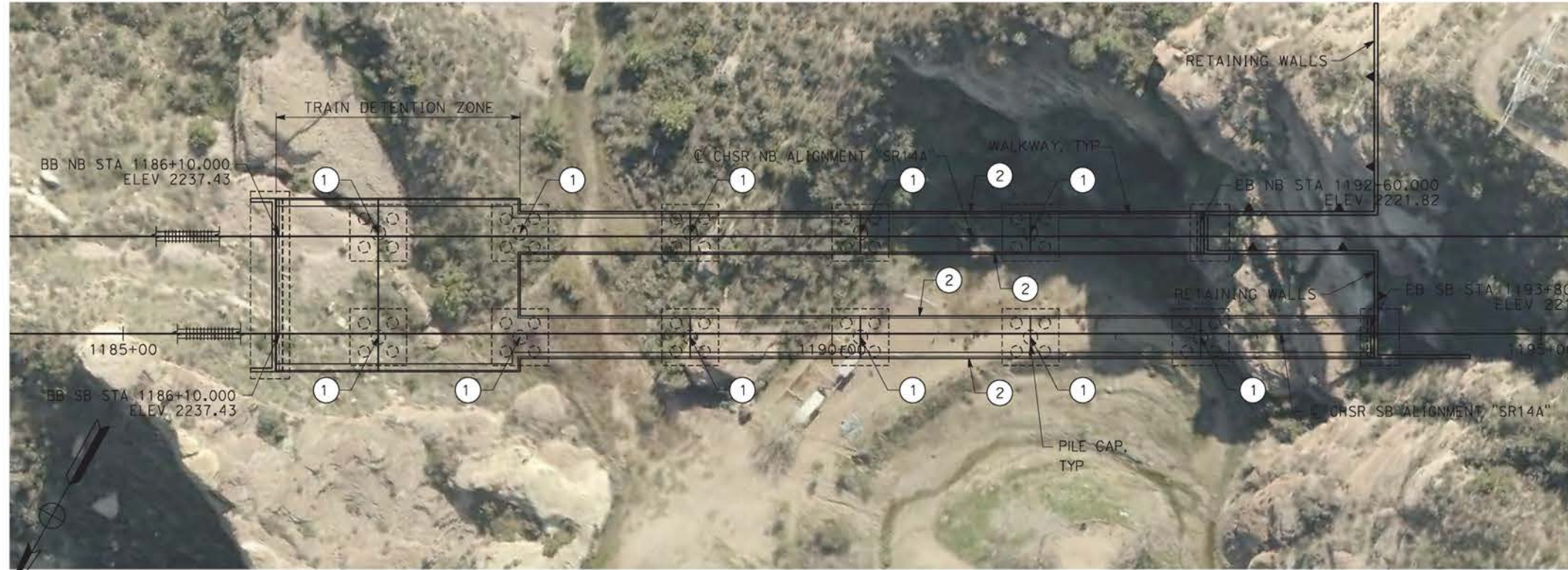
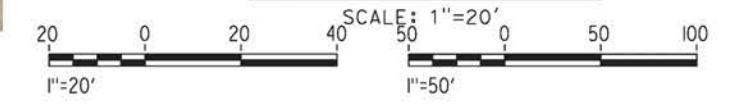
NOTE: SEE GENERAL NOTES PLAN



TYPICAL SECTION



SECTION AT TRAIN DETENTION ZONE



PLAN
SCALE: 1"=50'

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09/12/2020 11:09:24

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



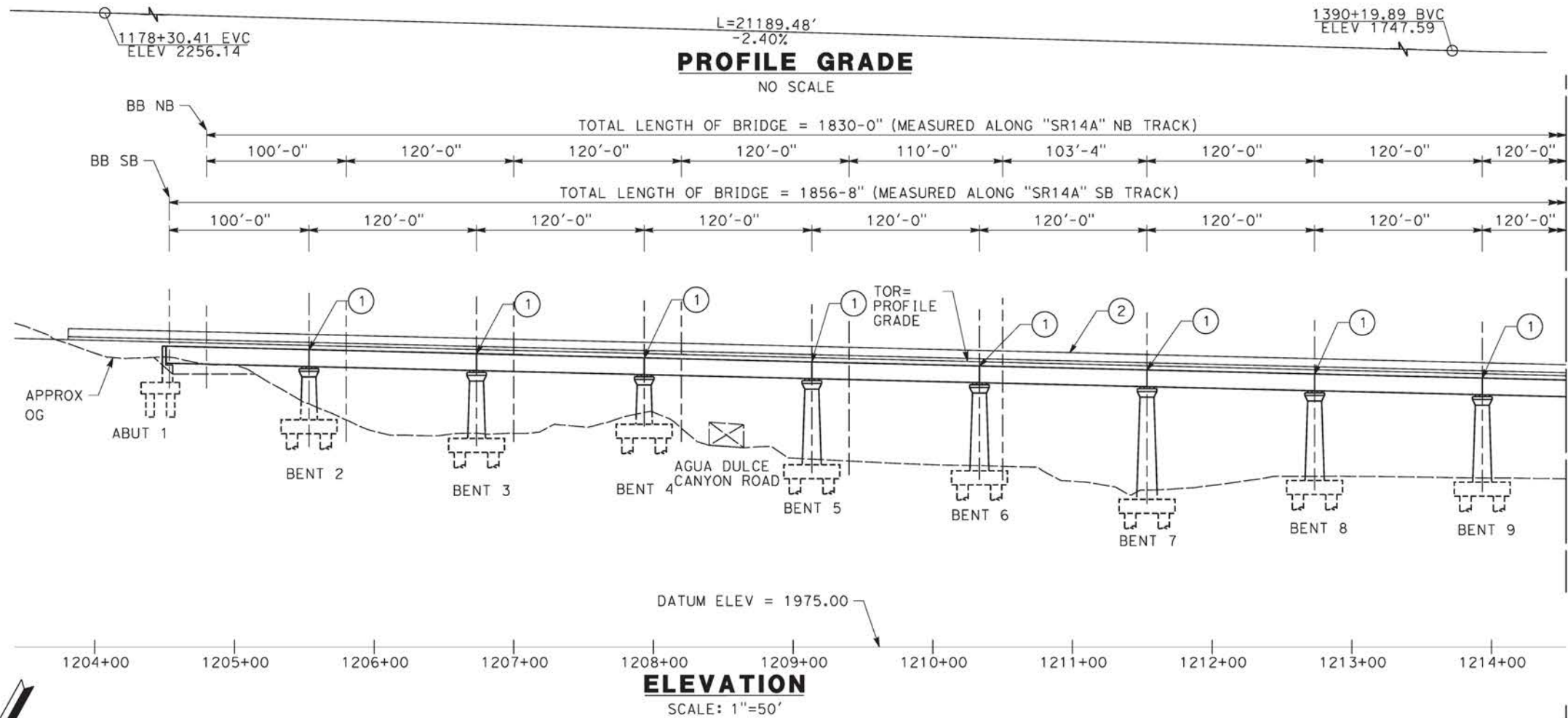
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
STA 1186+10 VIADUCT
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1005-14A

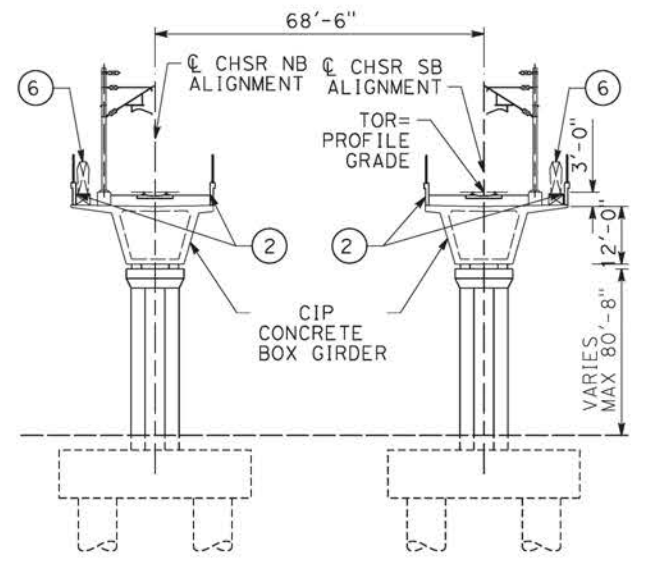
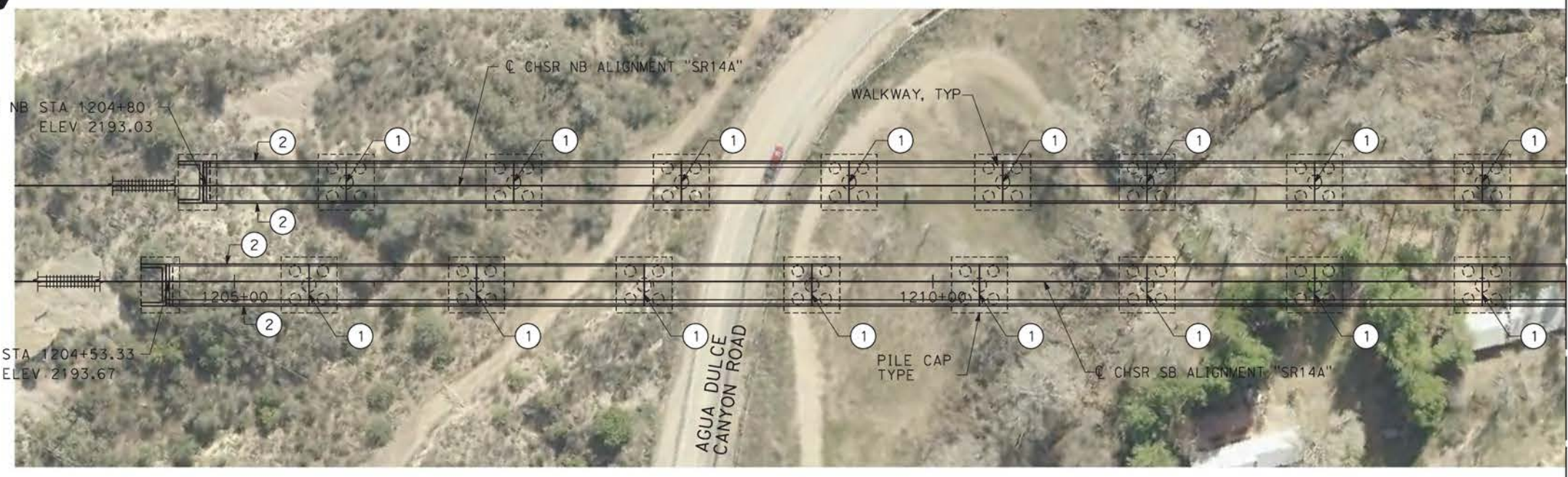
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SHEET NO.

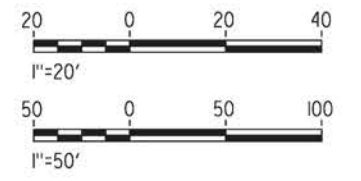


- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
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TYPICAL SECTION
 SCALE: 1"=20'



PLAN
 SCALE: 1"=50'

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09/12/2020 11:09:52

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "SR14A"
 AGUA DULCE VIADUCT
 GENERAL PLAN
 1 OF 2

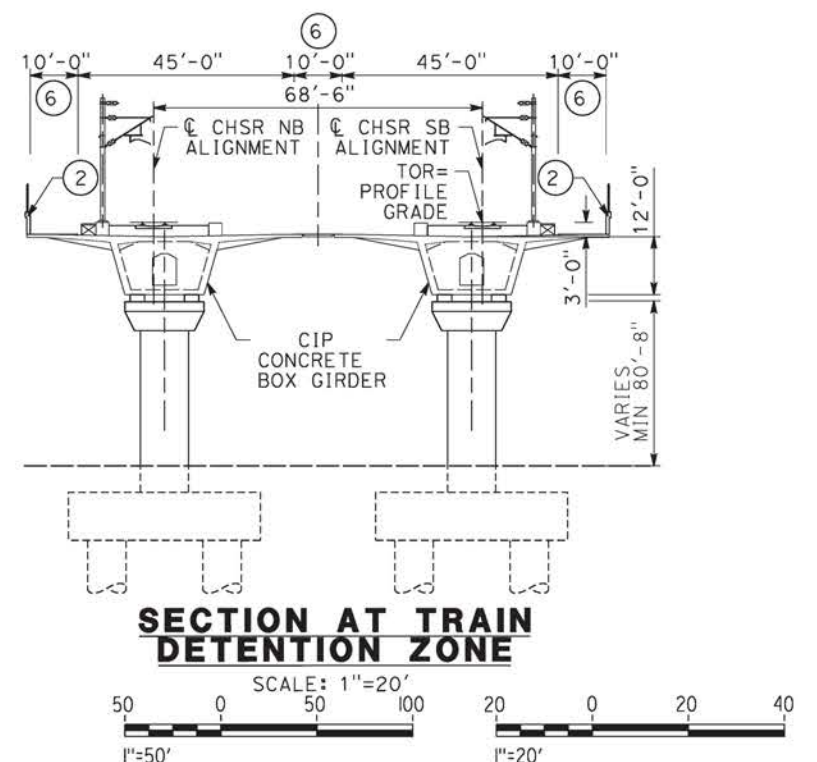
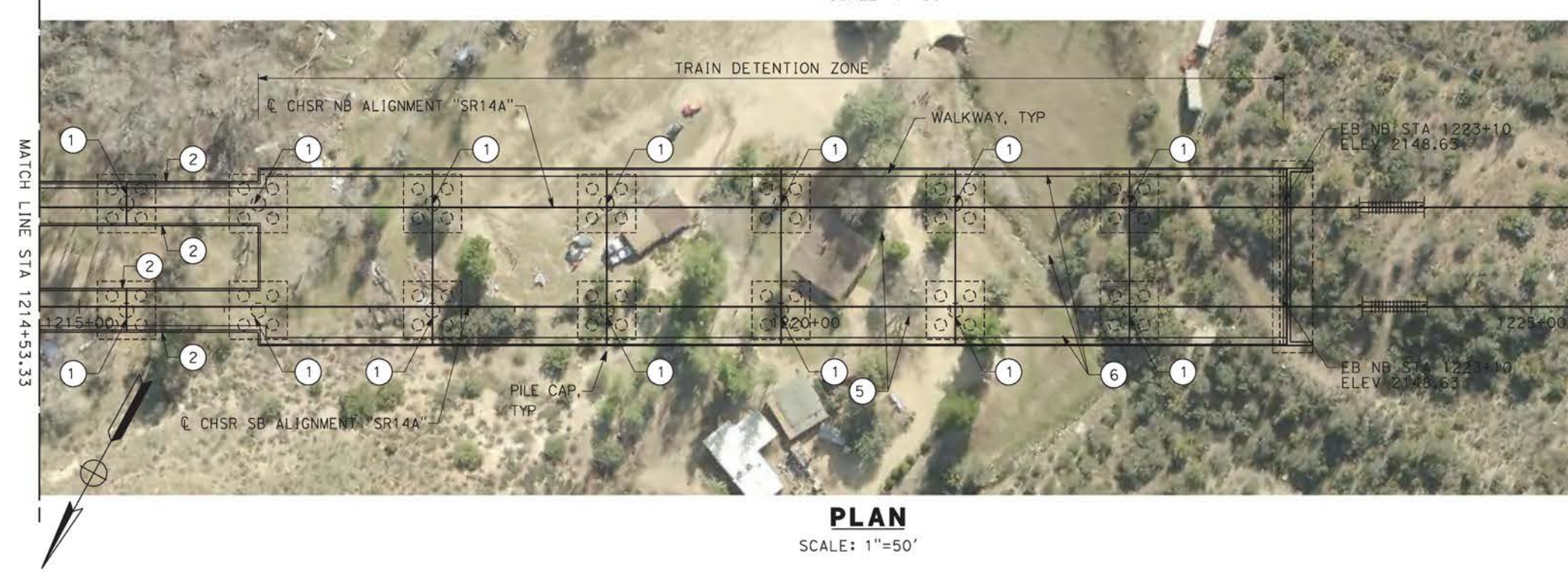
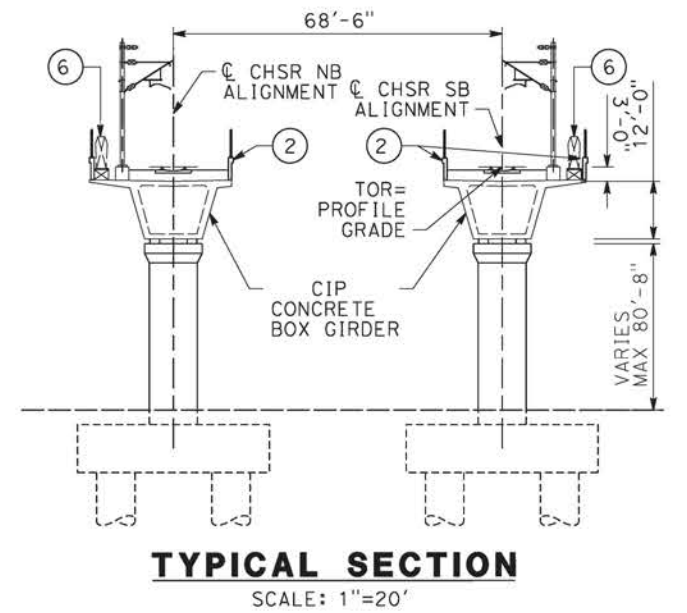
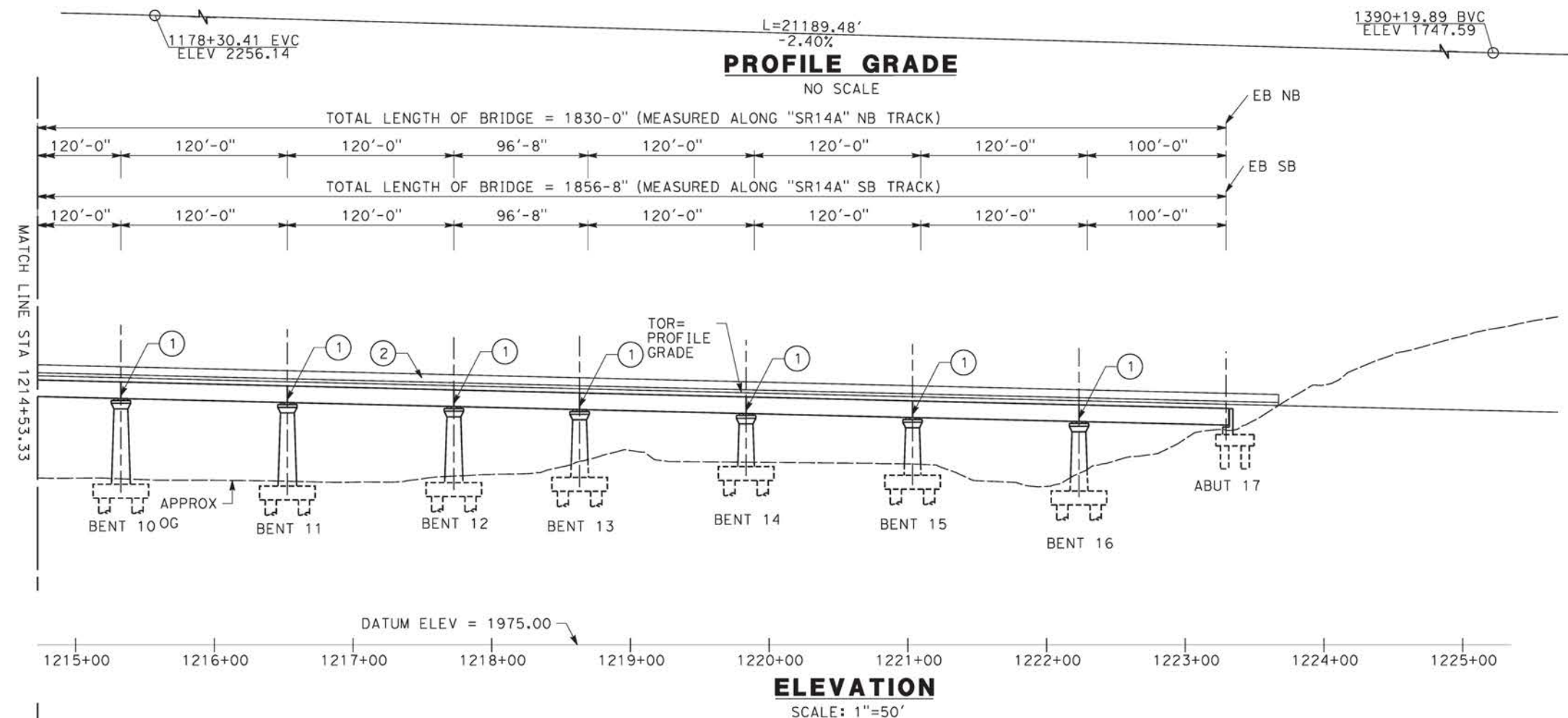
CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1006-14A

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: SEE GENERAL NOTES PLAN



09/12/2020 11:10:25 ct:\pwworking\chsr\dms28530\PB-ST-J1007-14A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK

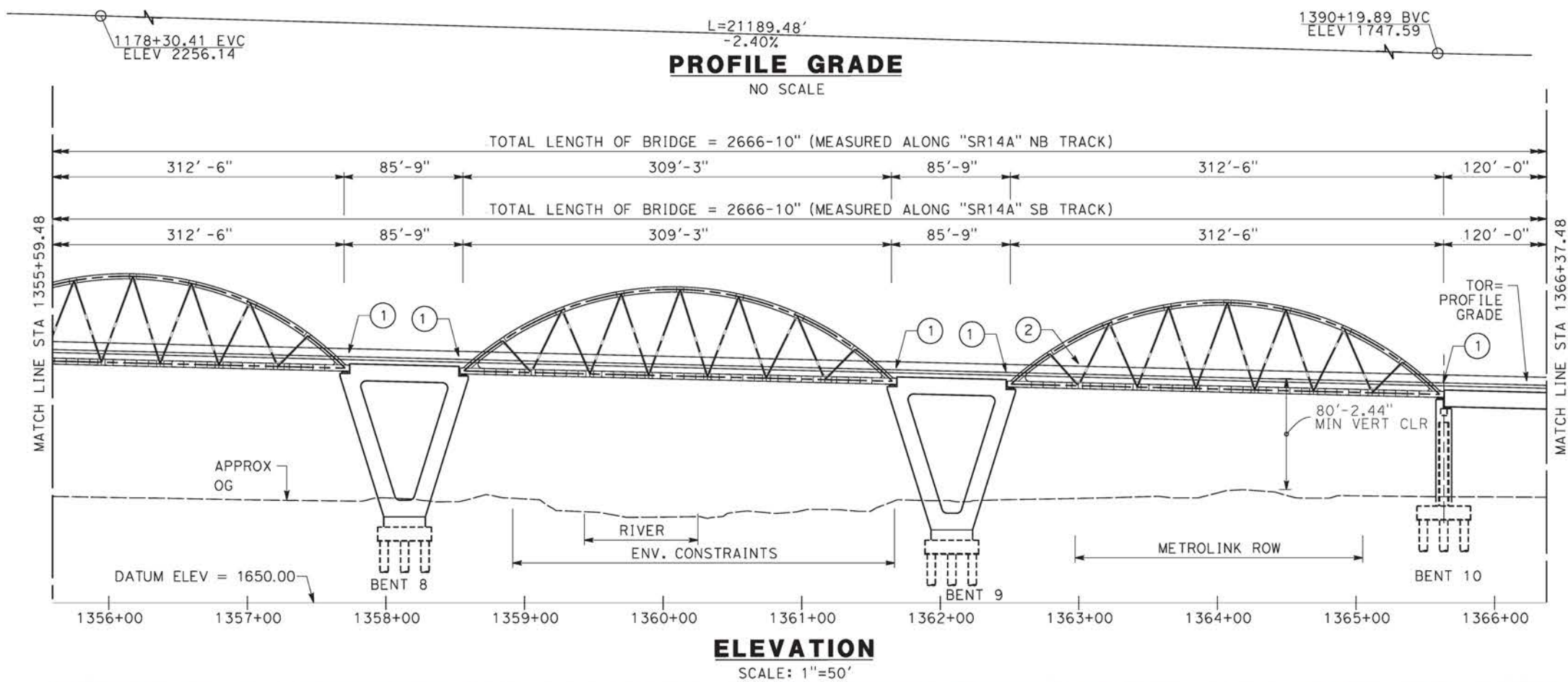
ALIGNMENT "SR14A"
AGUA DULCE VIADUCT
GENERAL PLAN
2 OF 2

CONTRACT NO.
HSR14-42

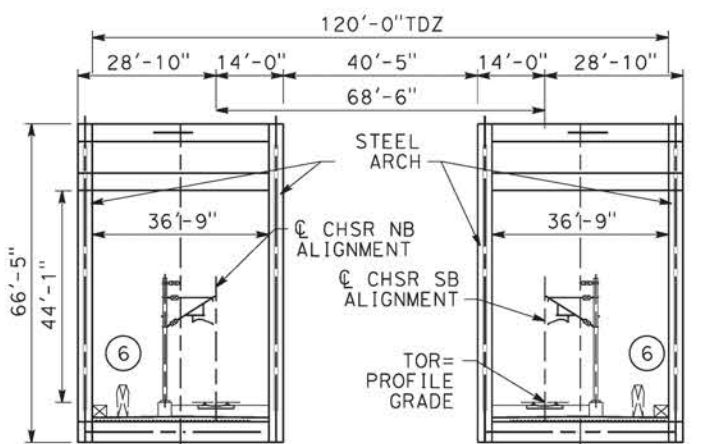
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SCALE
AS SHOWN

SHEET NO.

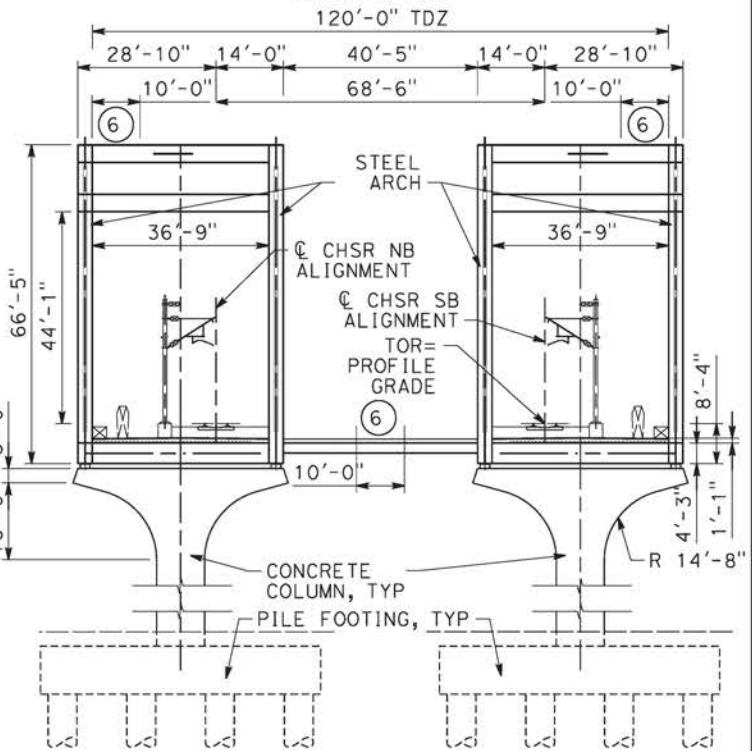


- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
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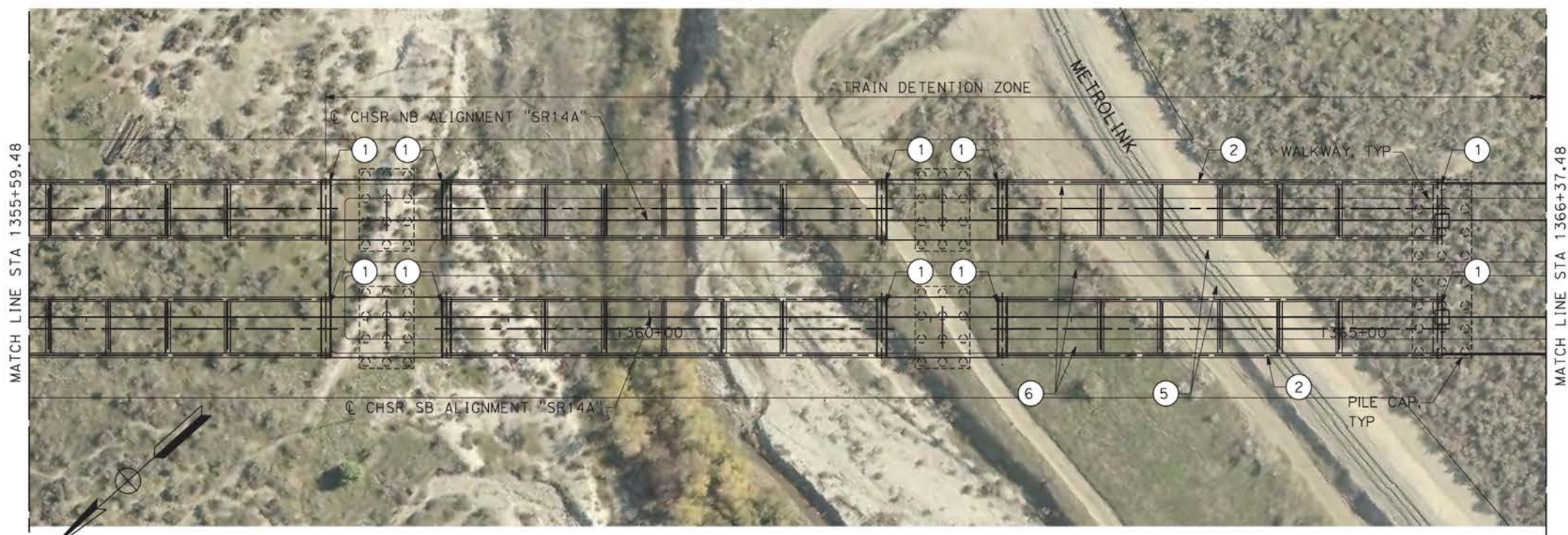
TYPICAL SECTION

SCALE: 1"=20'



TYPICAL SECTION AT TRAIN DETENTION ZONE

SCALE: 1"=20'



PLAN

SCALE: 1"=50'



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09/12/2020 11:11:24

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

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J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK

ALIGNMENT "SR14A"
SANTA CLARA VIADUCT
GENERAL PLAN
2 OF 3

CONTRACT NO.
HSR14-42

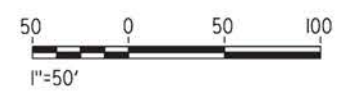
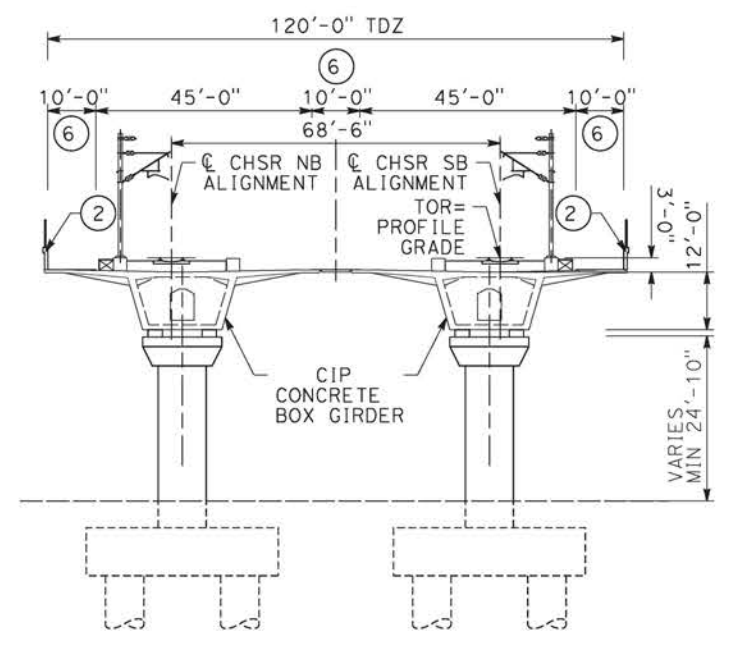
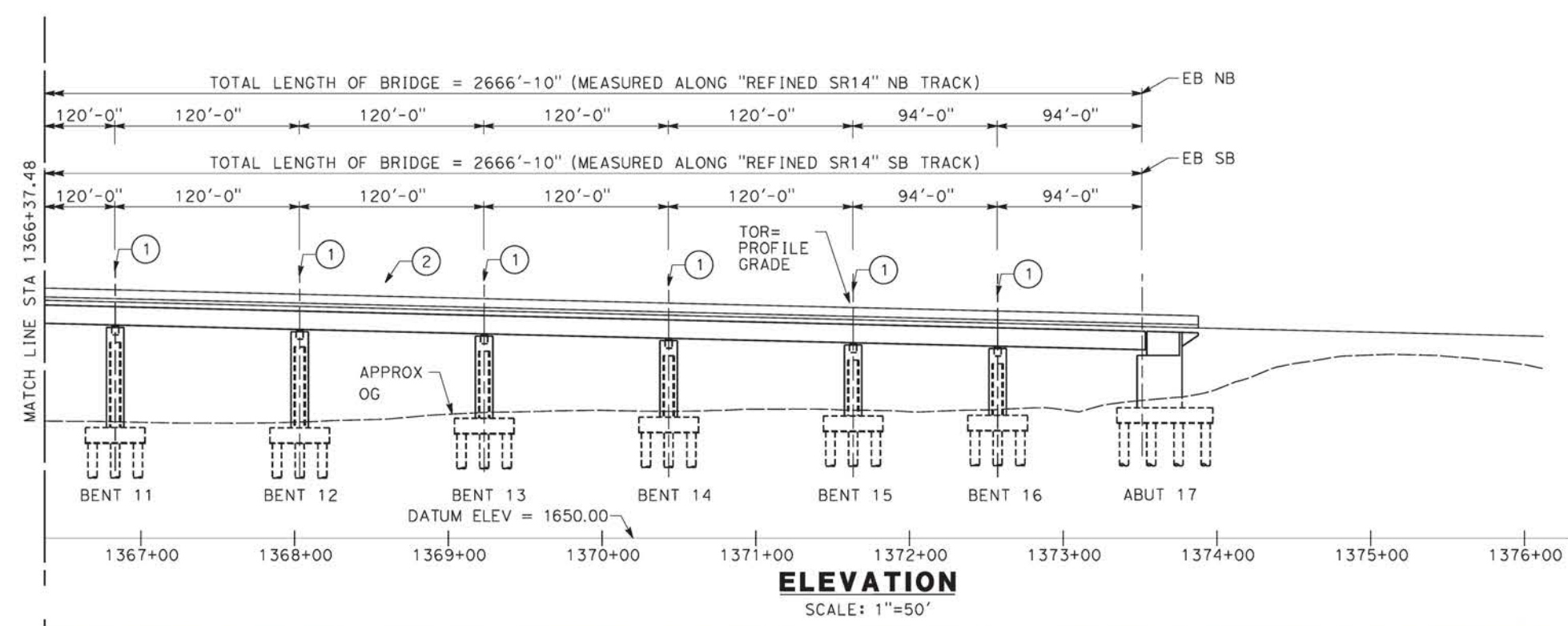
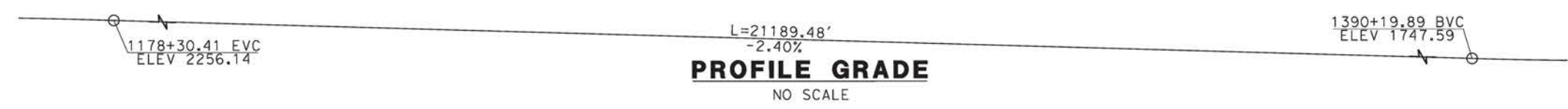
DRAWING NO.
ST-J1009-14A

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
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 WIDTH IN THE VIADUCT IS ADAPTED TO TDZ REQUIREMENTS.



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09/12/2020 11:11:51

REV	DATE	BY	CHK	APP	DESCRIPTION

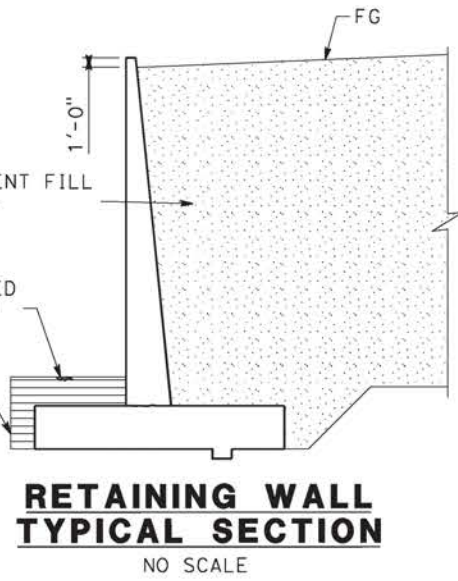
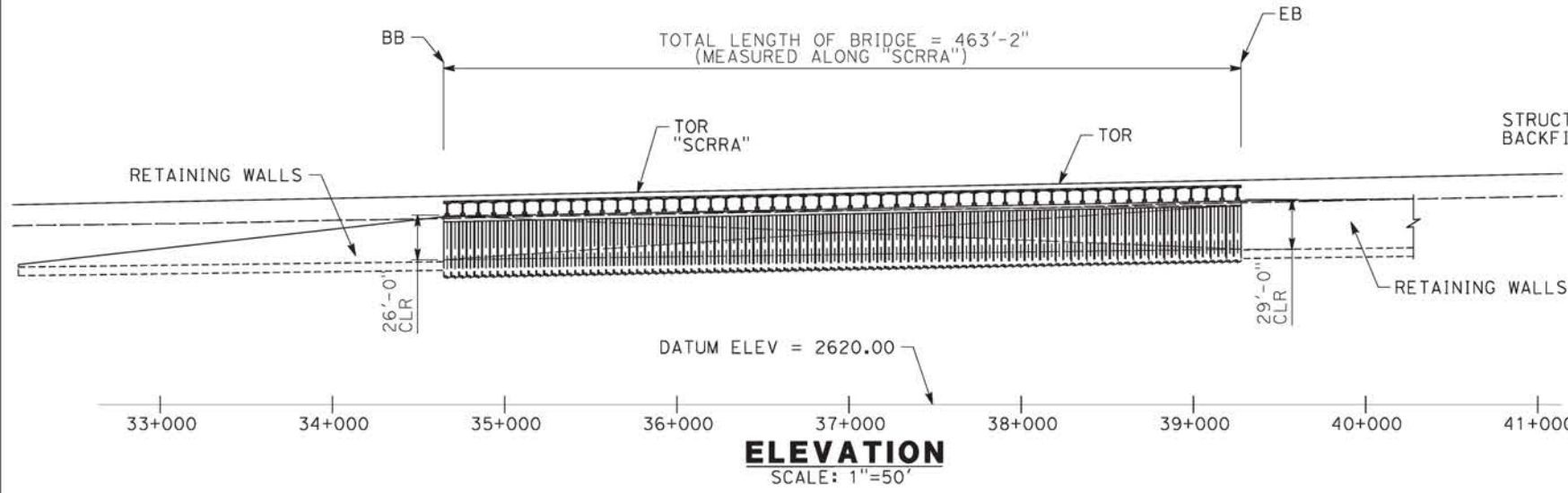
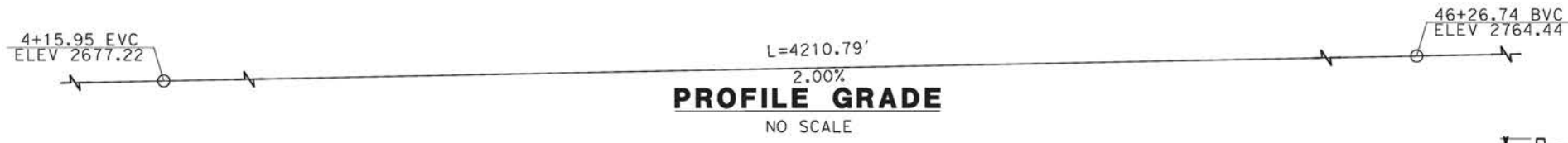
DESIGNED BY
A.MOLINA
 DRAWN BY
J.LOPEZ
 CHECKED BY
J.REVOLTOS
 IN CHARGE
A.RELAÑO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A
 NOT FOR
 CONSTRUCTION**



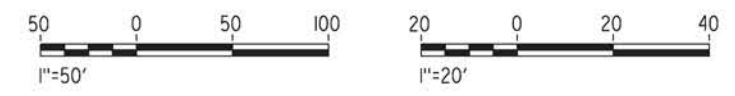
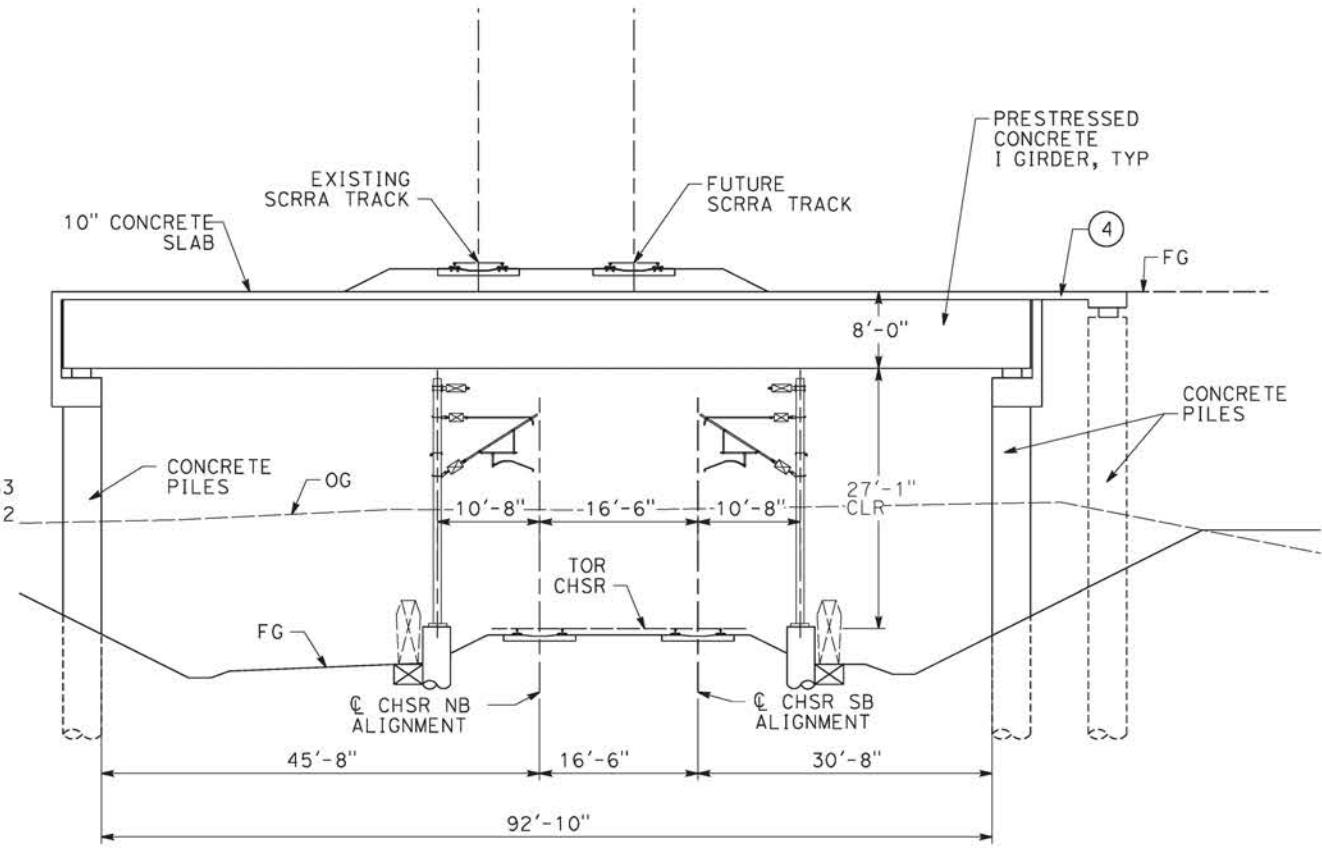
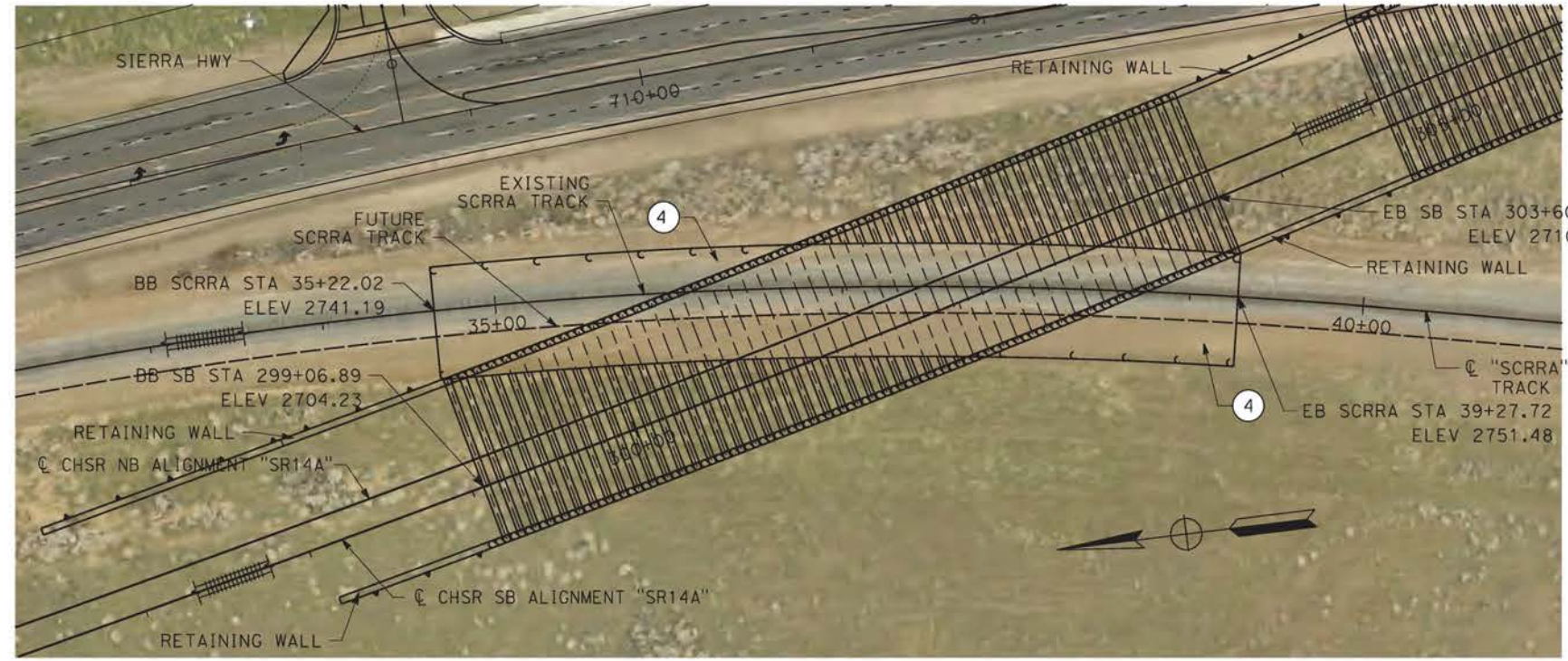
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**
 ALIGNMENT "SR14A"
 SANTA CLARA VIADUCT
 GENERAL PLAN
 3 OF 3

CONTRACT NO.	HSR14-42
DRAWING NO.	ST-J1010-14A
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
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09/12/2020 11:12:16

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

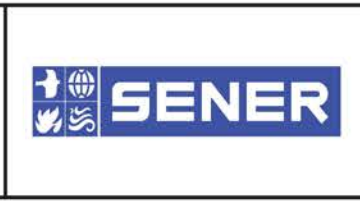
CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



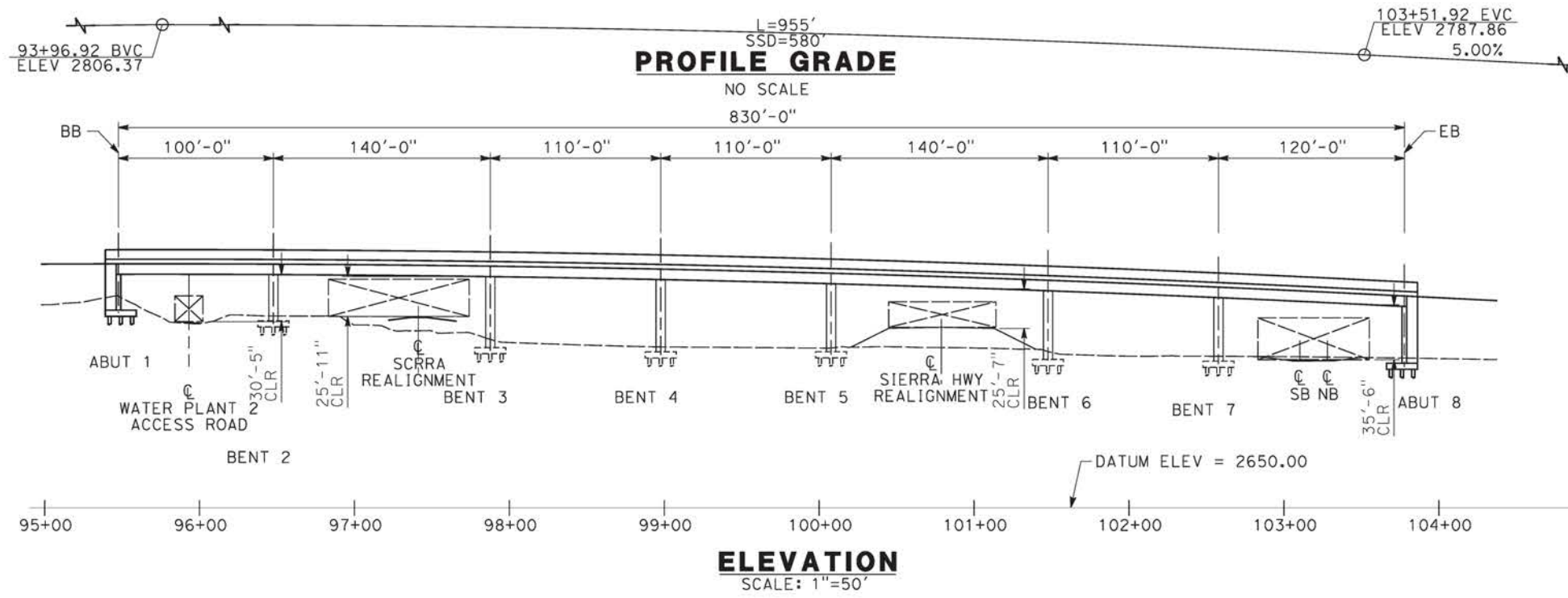
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
METROLINK OVERHEAD
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1201-14A

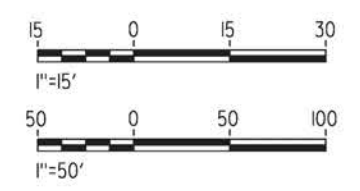
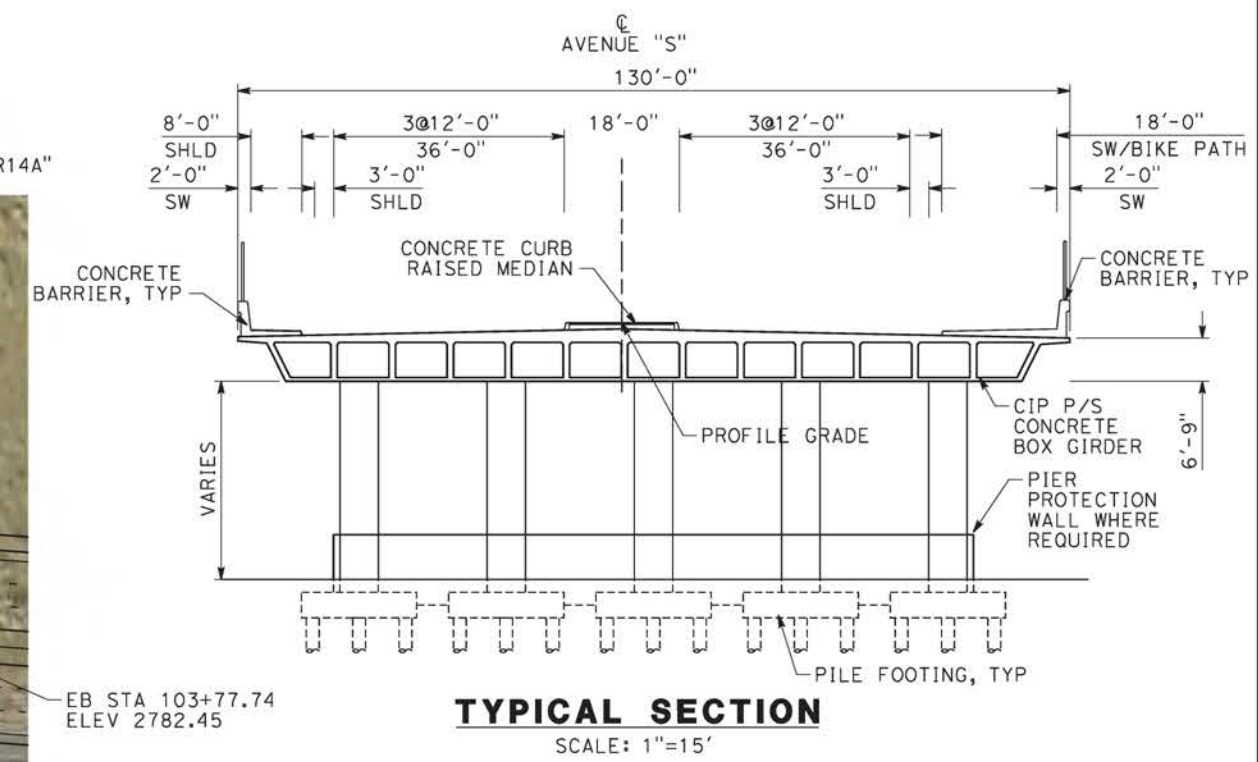
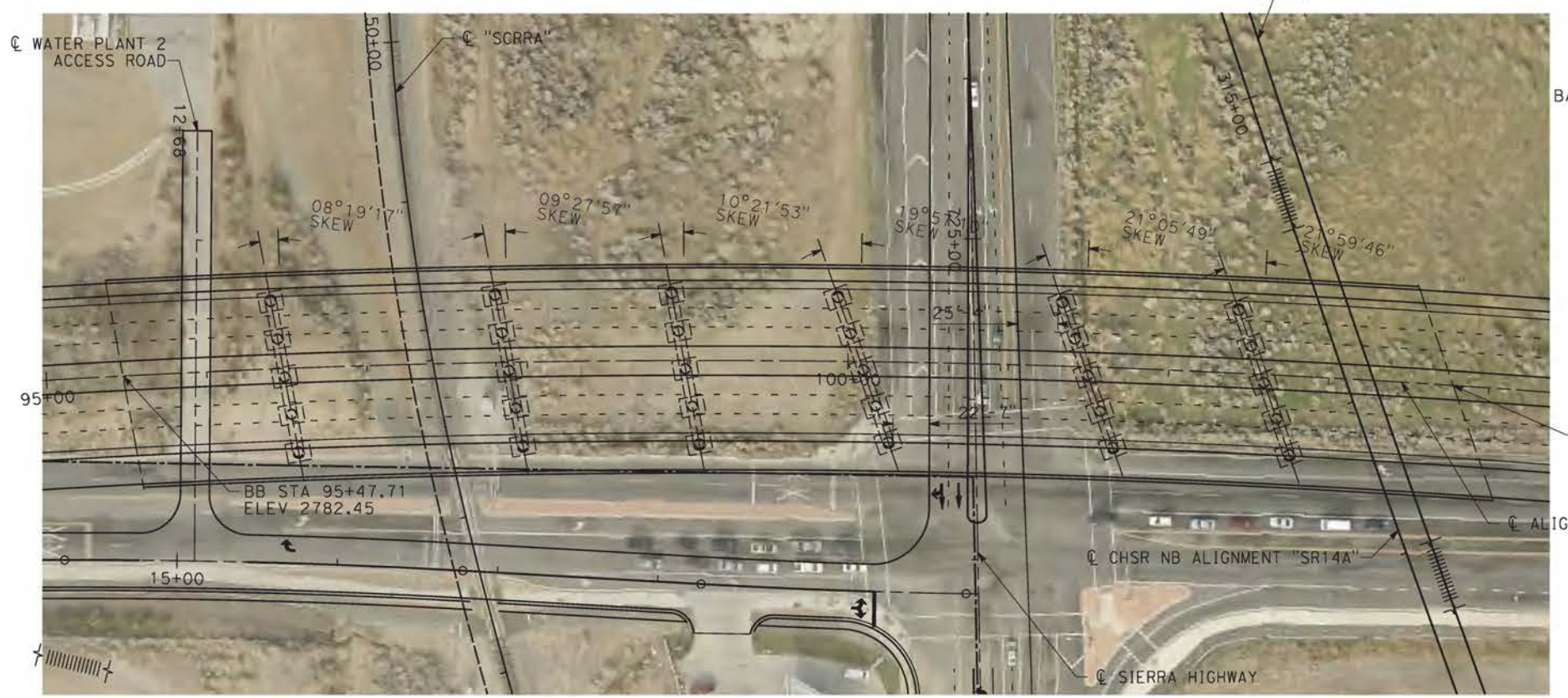
SCALE
AS SHOWN

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.



25/01/2021 10:42:03 c:\pwworking\chsr\dms28530\pb-st-j1402-14a.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

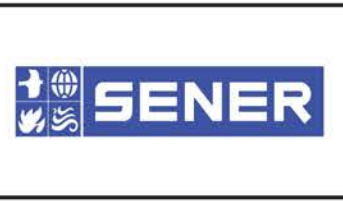
CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELANO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
AVENUE S OVERCROSSING
GENERAL PLAN

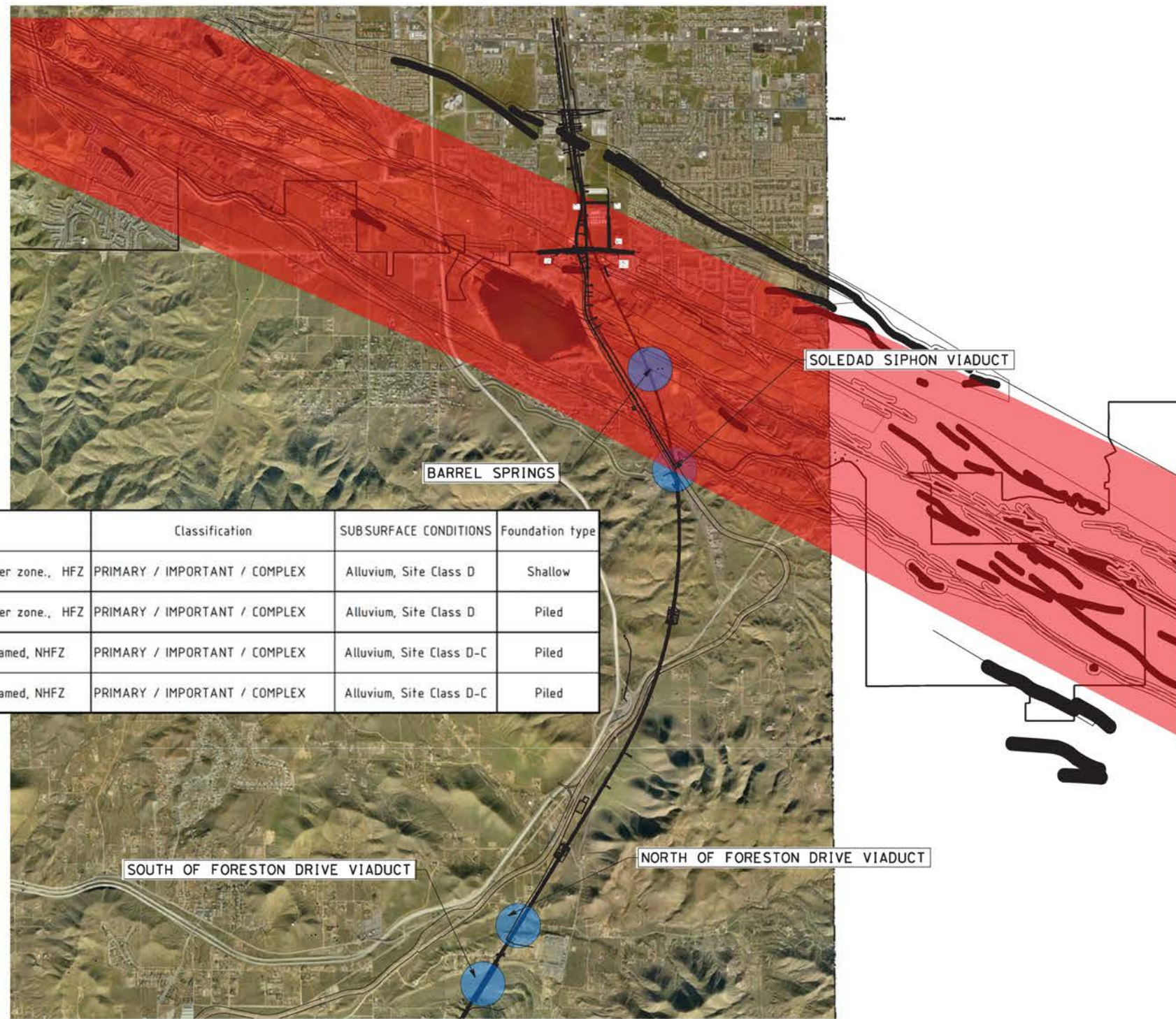
CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1402-14A

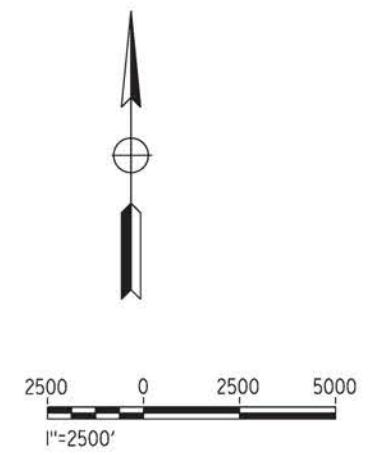
SCALE
AS SHOWN

SHEET NO.

FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)	
■	HAZARDOUS
■	POTENTIALLY HAZARDOUS
■	NON-HAZARDOUS



DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	Classification	SUBSURFACE CONDITIONS	Foundation type
ST-J1001-EA	BARREL SPRINGS ROAD	STA 365+91	SAFZ (Nadeau) at/within 200 ft buffer zone., HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Shallow
ST-J1002-EA	SOLEDAD SIPHON	STA 400+47	SAFZ (Nadeau) at/within 200 ft buffer zone., HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1005-EA	NORTH OF FORESTON DRIVE	STA 584+78	3.0 Miles/ SAFZ, HFZ1.8 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1006-EA	SOUTH OF FORESTON DRIVE	STA 606+26	3.4 Miles/ SAFZ, HFZ1.7 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled



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09/12/2020 10:34:25

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

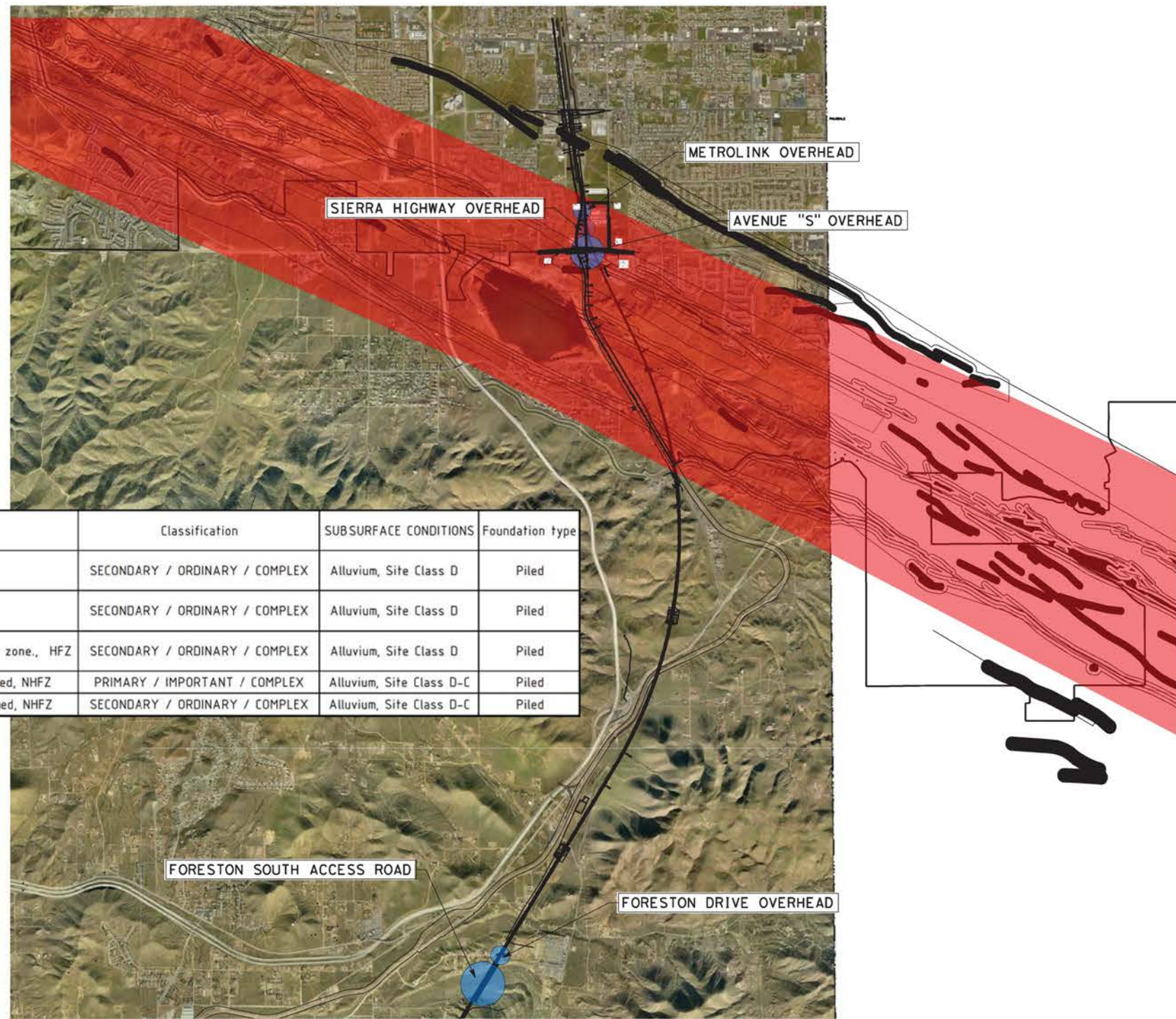
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ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**

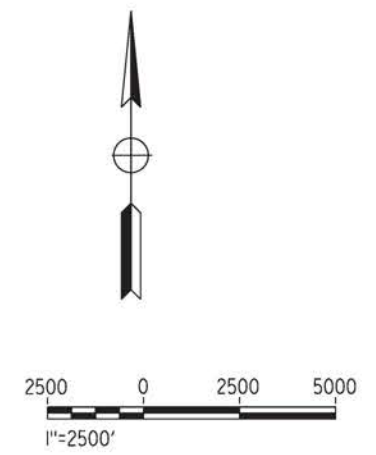


CALIFORNIA HIGH-SPEED RAIL PROJECT PALMDALE TO BURBANK ALIGNMENT "E1A/E2A" FAULT KEY MAP FOR HSR VIADUCTS GENERAL PLAN	CONTRACT NO. HSR14-42
	DRAWING NO. ST-B003-EA
	SCALE 1"=3000"
	SHEET NO.

FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)	
	HAZARDOUS
	POTENTIALLY HAZARDOUS
	NON-HAZARDOUS



DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	Classification	SUBSURFACE CONDITIONS	Foundation type
ST-J1201	METROLINK OVERHEAD	STA 299+07	0.08 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1401	SIERRA HIGHWAY OVERHEAD	STA 304+68	0.03 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1402	AVENUE S OVERCROSSING	STA 95+48	SAFZ (Nadeau) at/within 200 ft buffer zone., HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1403	FORESTON DRIVE OVERHEAD	STA 99+19	3.5 Miles/ SAFZ, HFZ1.6 Miles/ Unnamed, NHFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D-C	Piled
ST-J1404	FORESTON SOUTH ACCESS ROAD	STA 4+54	3.4 Miles/ SAFZ, HFZ1.7 Miles/ Unnamed, NHFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D-C	Piled



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09/12/2020 10:35:25

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



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

ALIGNMENT "E1A/E2A"

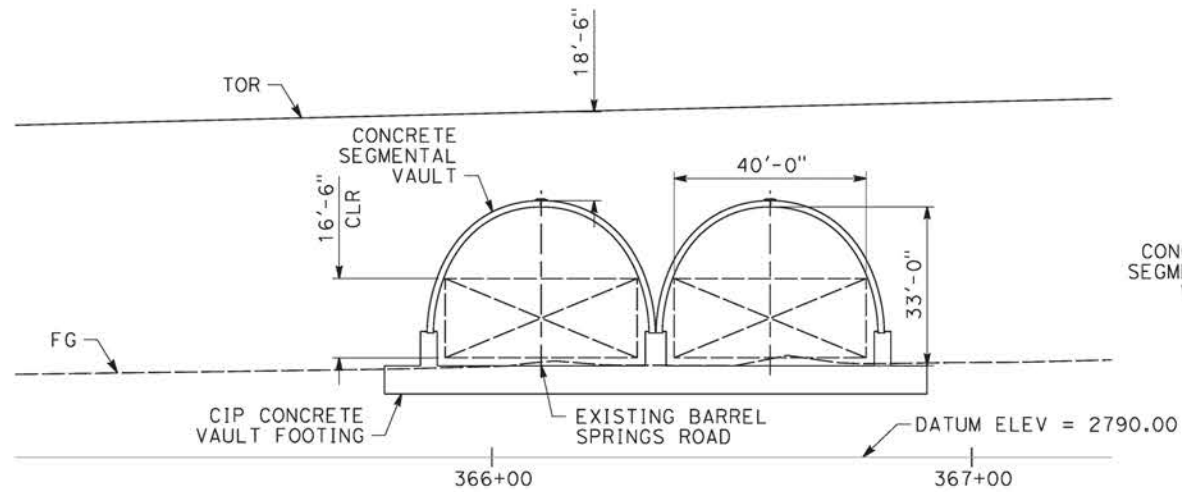
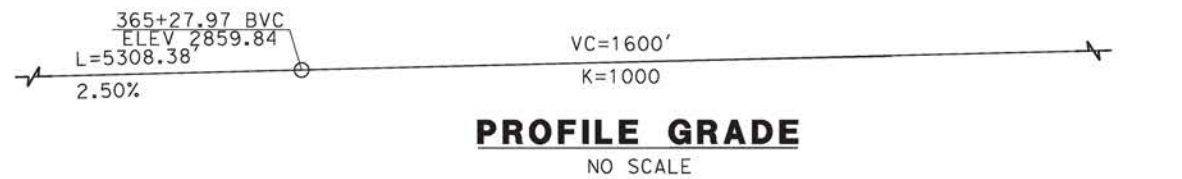
FAULT KEY MAP FOR ROADWAY & METROLINK BRIDGES
GENERAL PLAN

CONTRACT NO.
HSR14-42

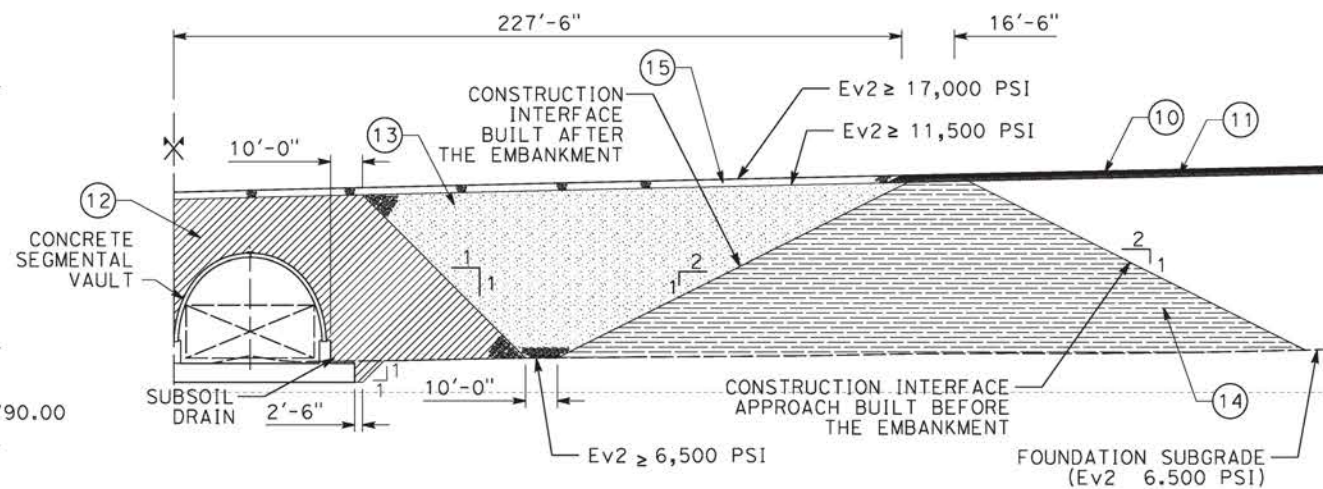
DRAWING NO.
ST-B004-EA

SCALE
1"=2500"

SHEET NO.



ELEVATION
SCALE: 1"=20'



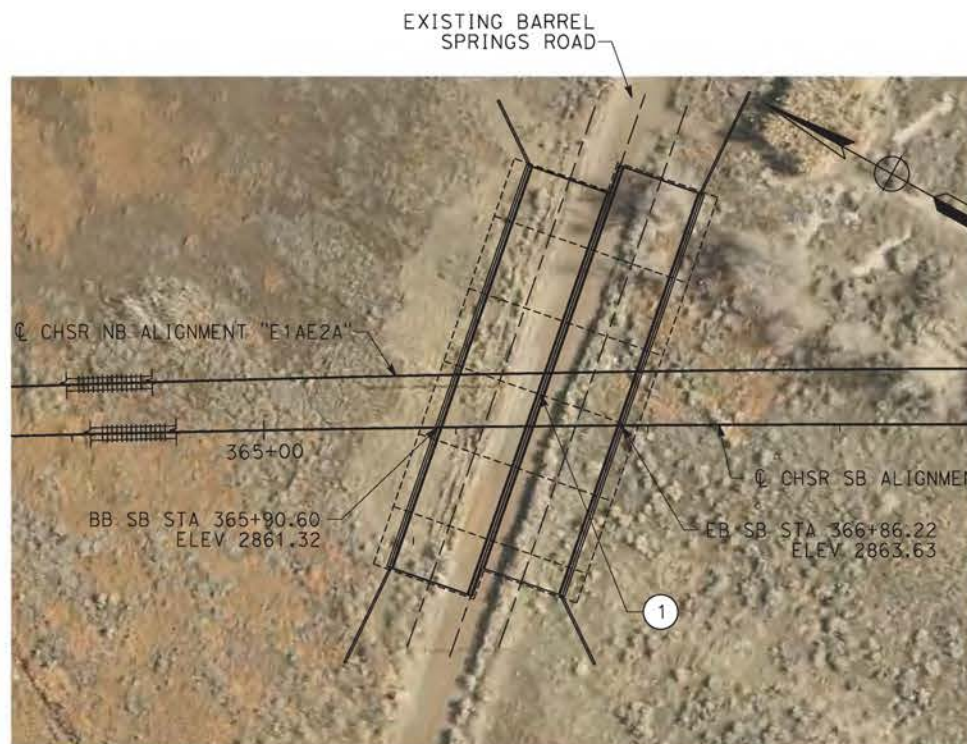
BACKFILL DETAIL
SCALE: 1"=30'

LEGEND:

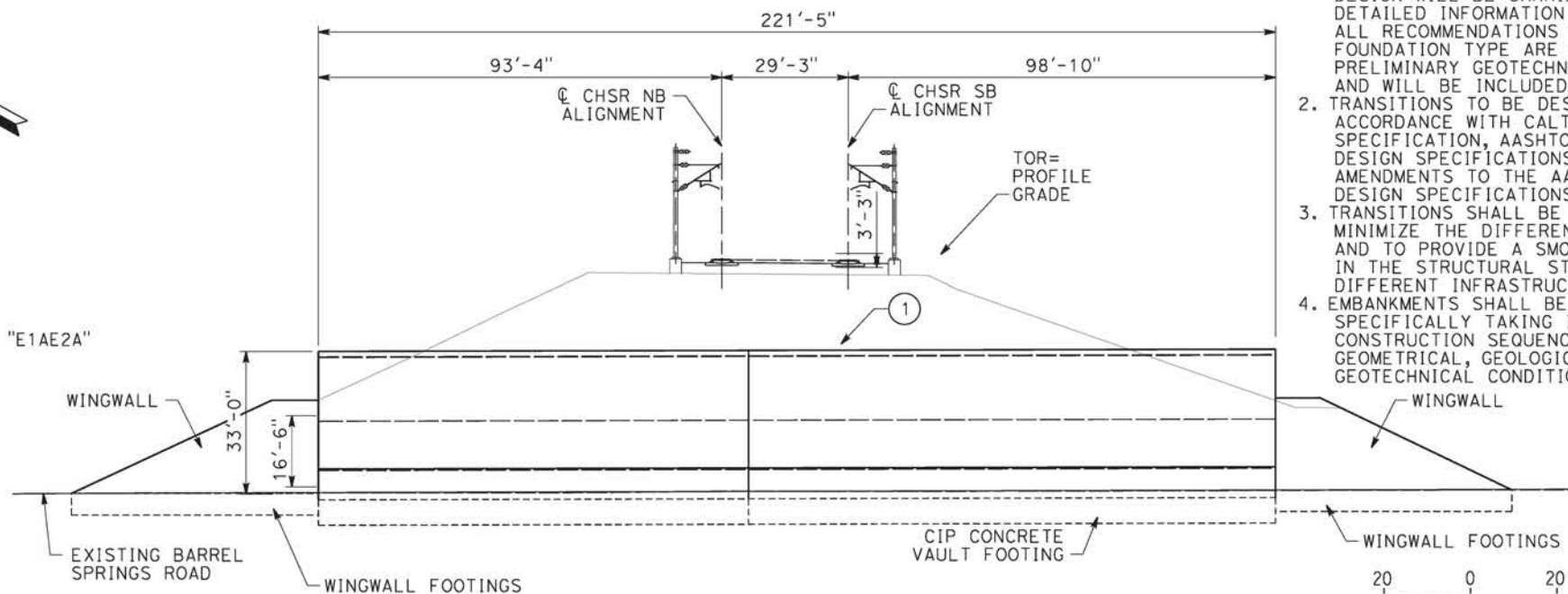
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
- ① EXPANSION JOINT, TYP
- ② CONCRETE BARRIER
- ③ GUARDRAIL OR PIER PROTECTION WALL
- ④ NORMALIZING SLAB
- ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
- ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY
- ⑩ SUBBALLAST (TYPE 1 GRAVEL) 100% MPD THE MINIMUM SUBBALLAST THICKNESS SHALL BE 9".
- ⑪ PREPARED SUBGRADE, 95% MPD THICKNESSES SHALL BE AS SHOWN BIN TABLES INCLUDED.
- ⑫ (TYPE 2 GRAVEL) 3% CEMENT, 95% MPD
- ⑬ (TYPE 3 GRAVEL) 95% MPD
- ⑭ COMPACTED SUBGRADE (90% MPD)
- ⑮ CEMENT TREATED GRAVEL, (TYPE 1 GRAVEL) 5% CEMENT, 100% MPD THE MINIMUM THICKNESS SHALL BE EQUAL TO THE COMBINED THICKNESS OF THE SUBBALLAST AND THE PREPARED SUBGRADE AND NO LESS THAN 1'-11".

NOTE:

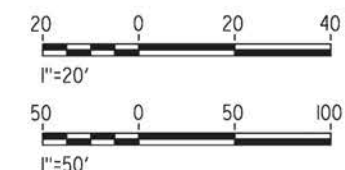
1. ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION TYPE ARE BASED ON PRELIMINARY GEOTECHNICAL INFORMATION AND WILL BE INCLUDED IN THE APS REPORT.
2. TRANSITIONS TO BE DESIGNED IN ACCORDANCE WITH CALTRANS BRIDGE DESIGN SPECIFICATION, AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND CALIFORNIA AMENDMENTS TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
3. TRANSITIONS SHALL BE DESIGNED TO MINIMIZE THE DIFFERENTIAL SETTLEMENT AND TO PROVIDE A SMOOTH TRANSITION IN THE STRUCTURAL STIFFNESS BETWEEN DIFFERENT INFRASTRUCTURES.
4. EMBANKMENTS SHALL BE DESIGNED SPECIFICALLY TAKING INTO ACCOUNT THE CONSTRUCTION SEQUENCE AND THE GEOMETRICAL, GEOLOGICAL AND GEOTECHNICAL CONDITIONS OF THE SITE.



PLAN
SCALE: 1"=50'



TYPICAL SECTION
SCALE: 1"=20'



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25/01/2021 10:40:07

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELANO
DATE
02/26/2021

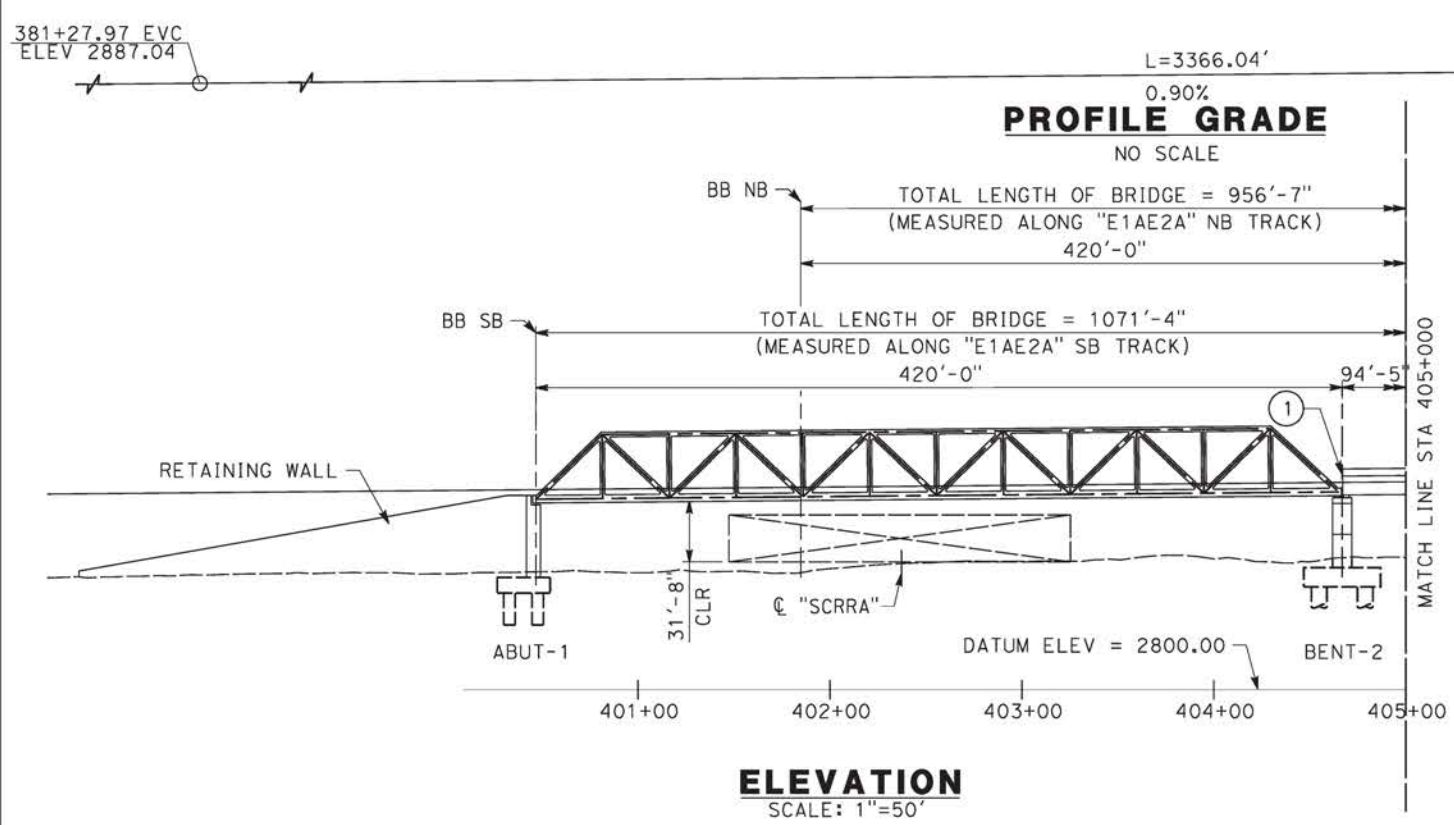
PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR
CONSTRUCTION



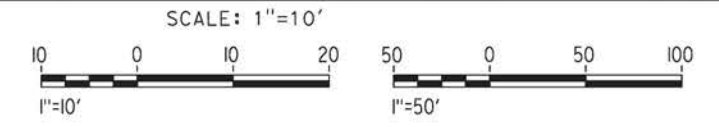
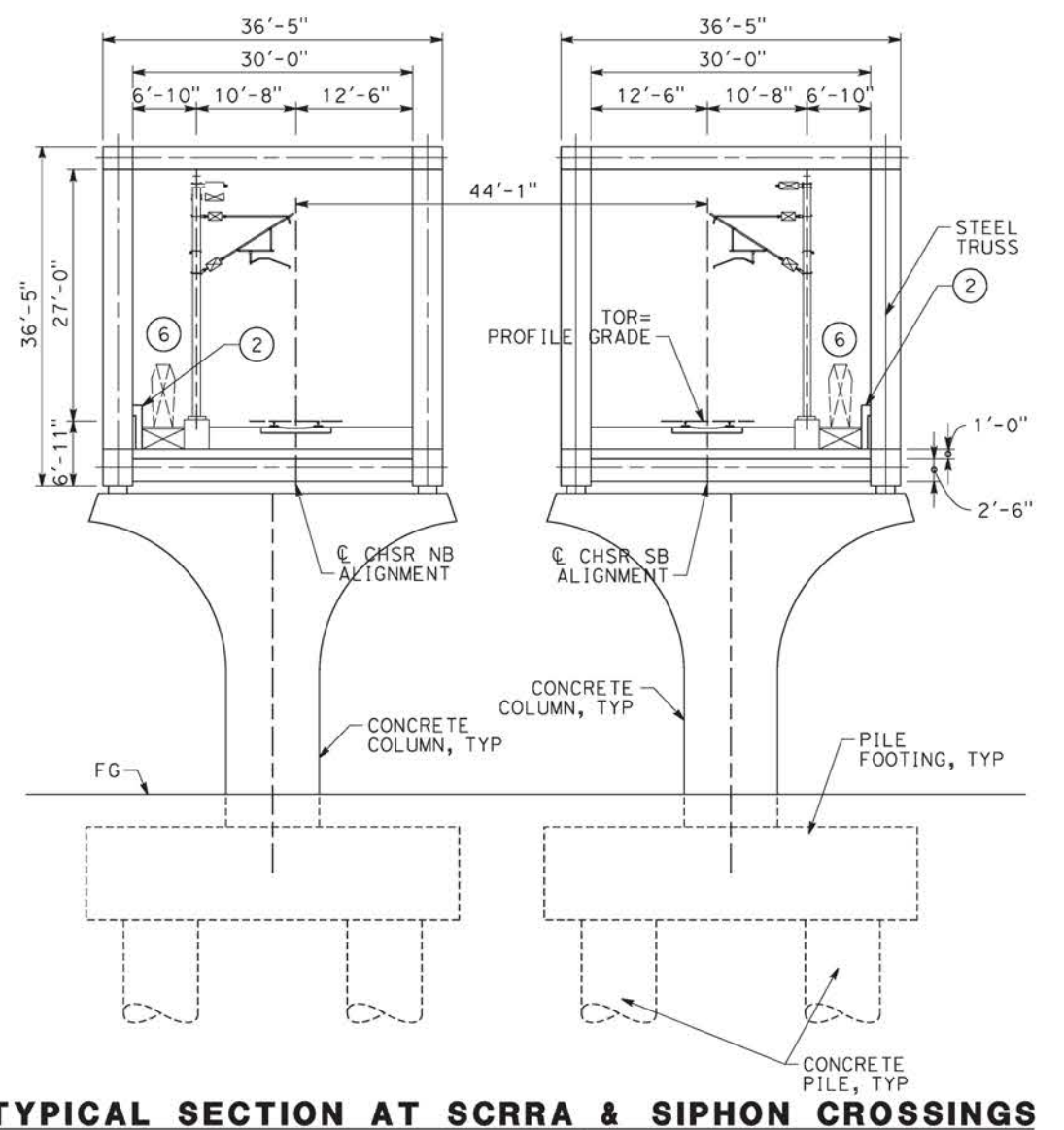
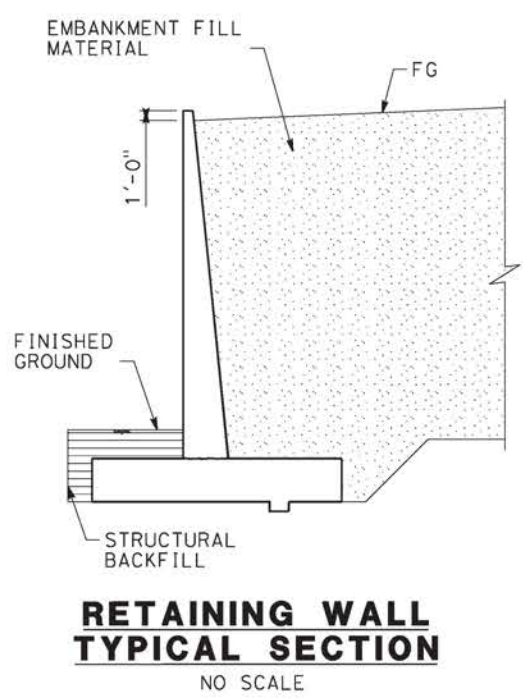
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
BARREL SPRINGS ROAD UNDERPASS
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1001-EA
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



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09/12/2020 10:36:37

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



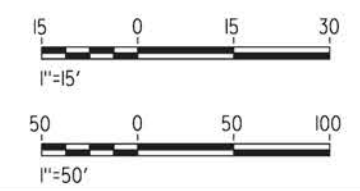
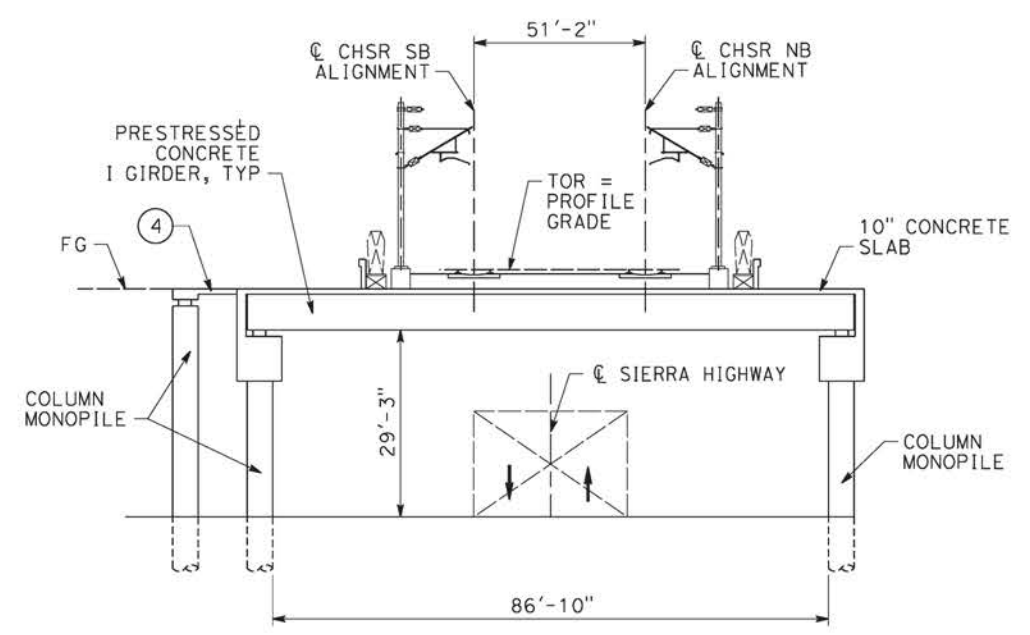
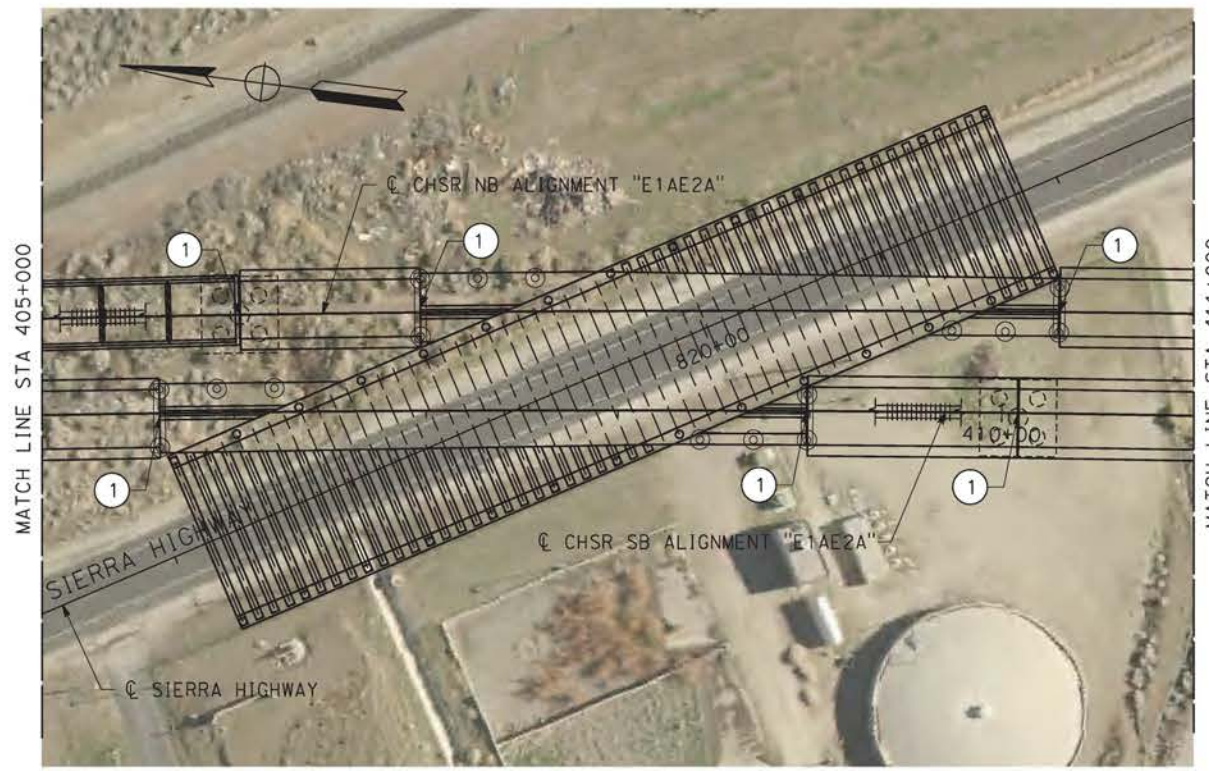
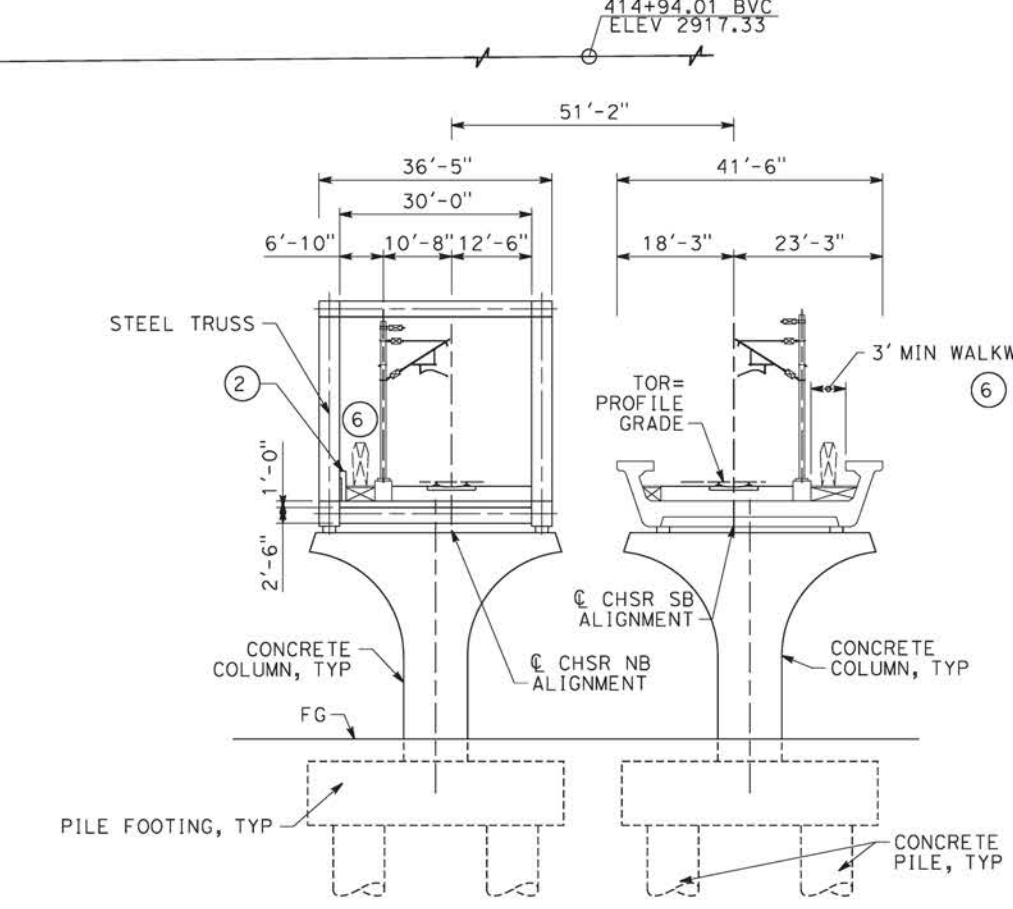
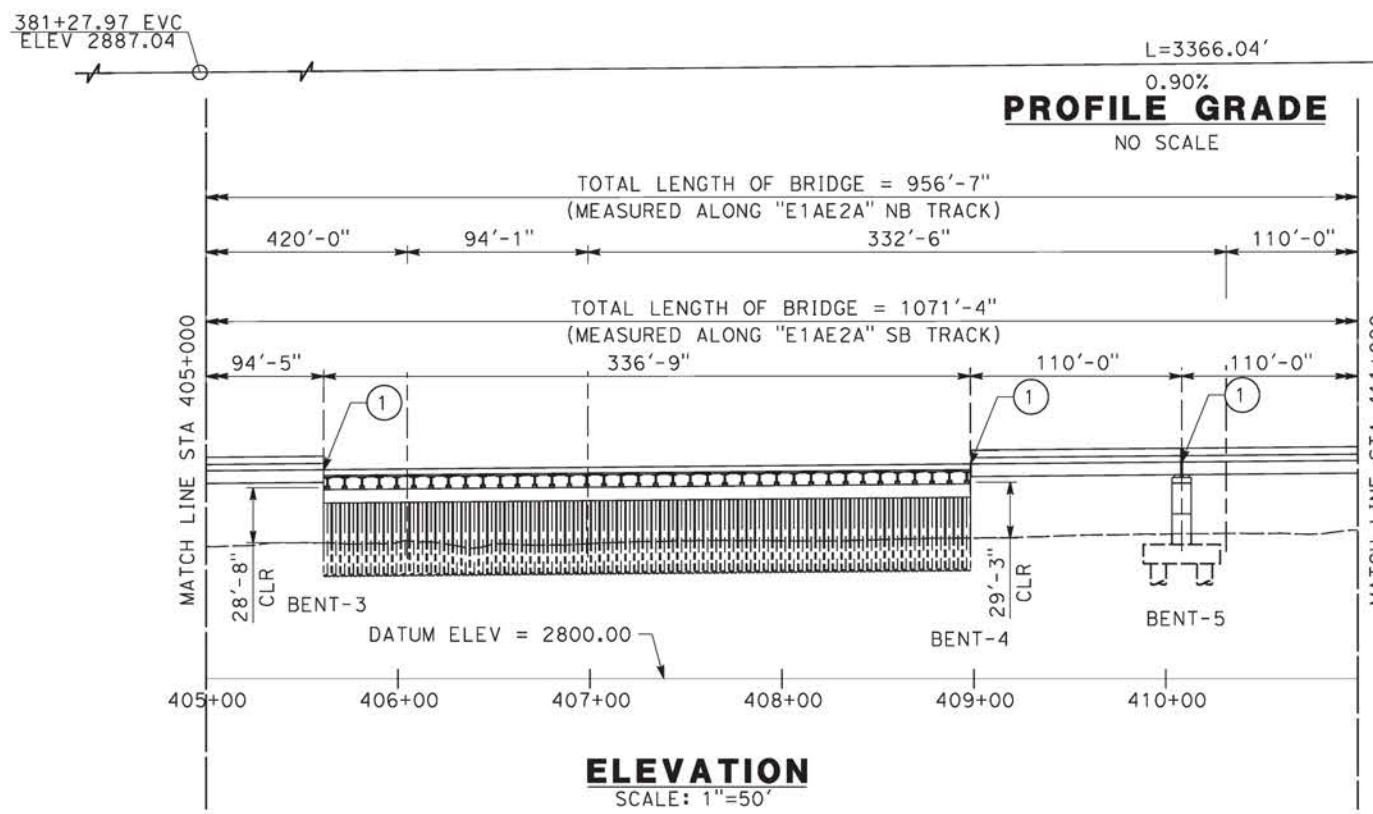
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
1 OF 3

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1002-EA

SCALE
AS SHOWN

SHEET NO.



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09/12/2020 10:37:04

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



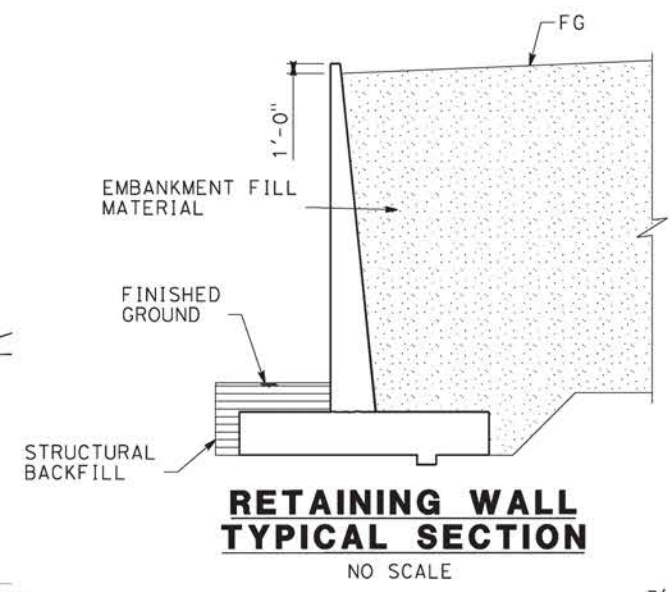
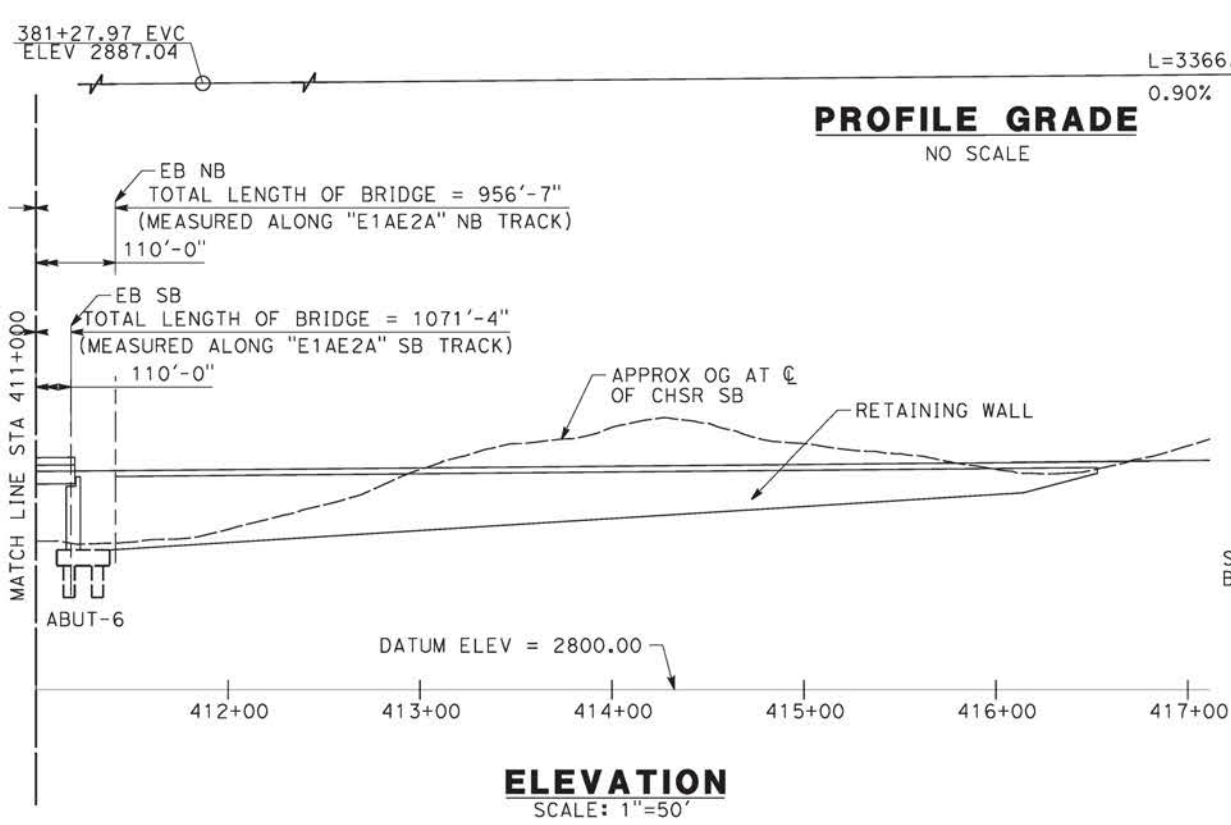
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
2 OF 3

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1003-EA

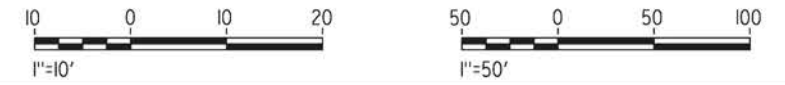
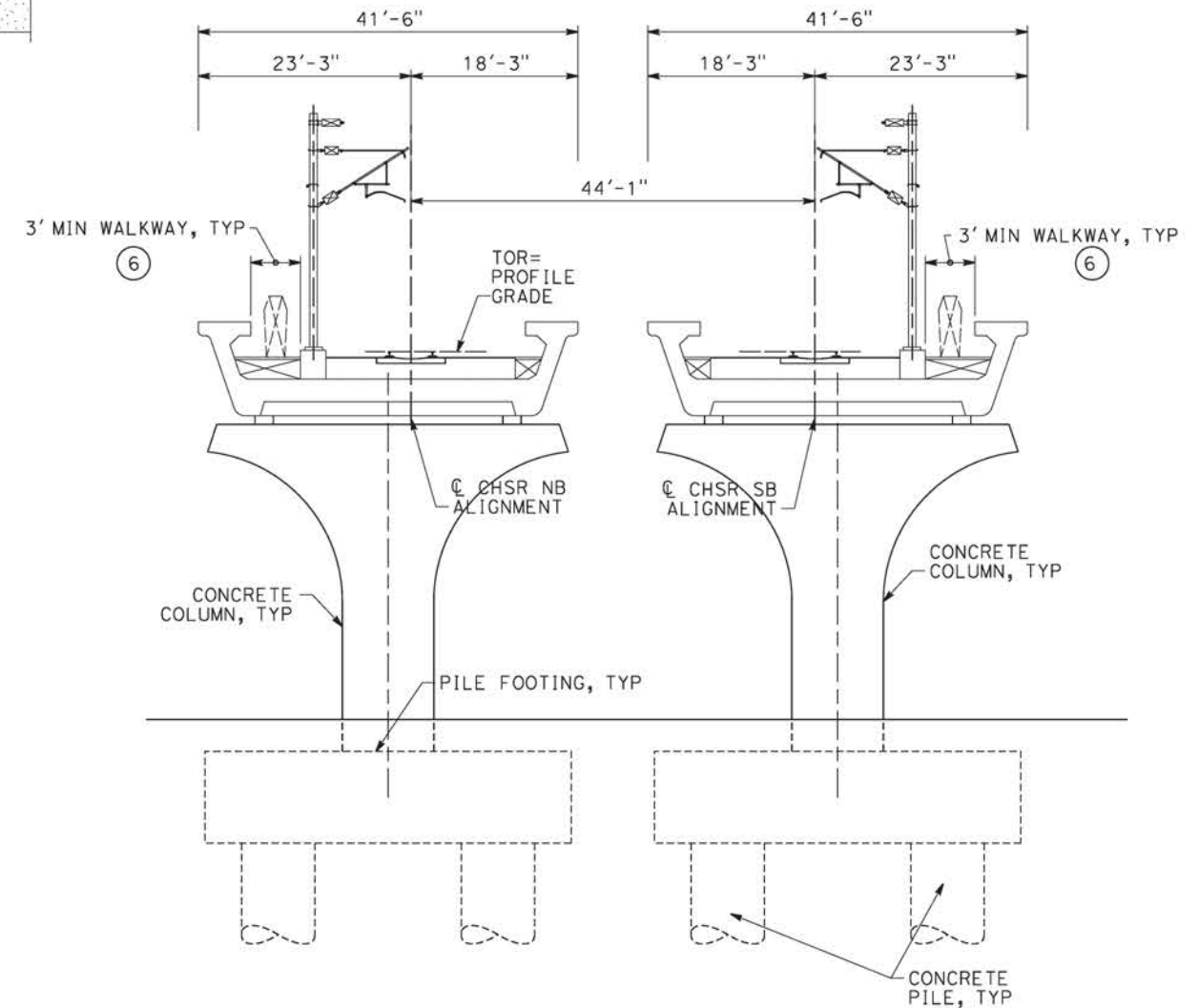
SCALE
AS SHOWN

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



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09/12/2020 10:37:31

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
SOLEDAD SIPHON VIADUCT
GENERAL PLAN
3 OF 3

CONTRACT NO.
HSR14-42

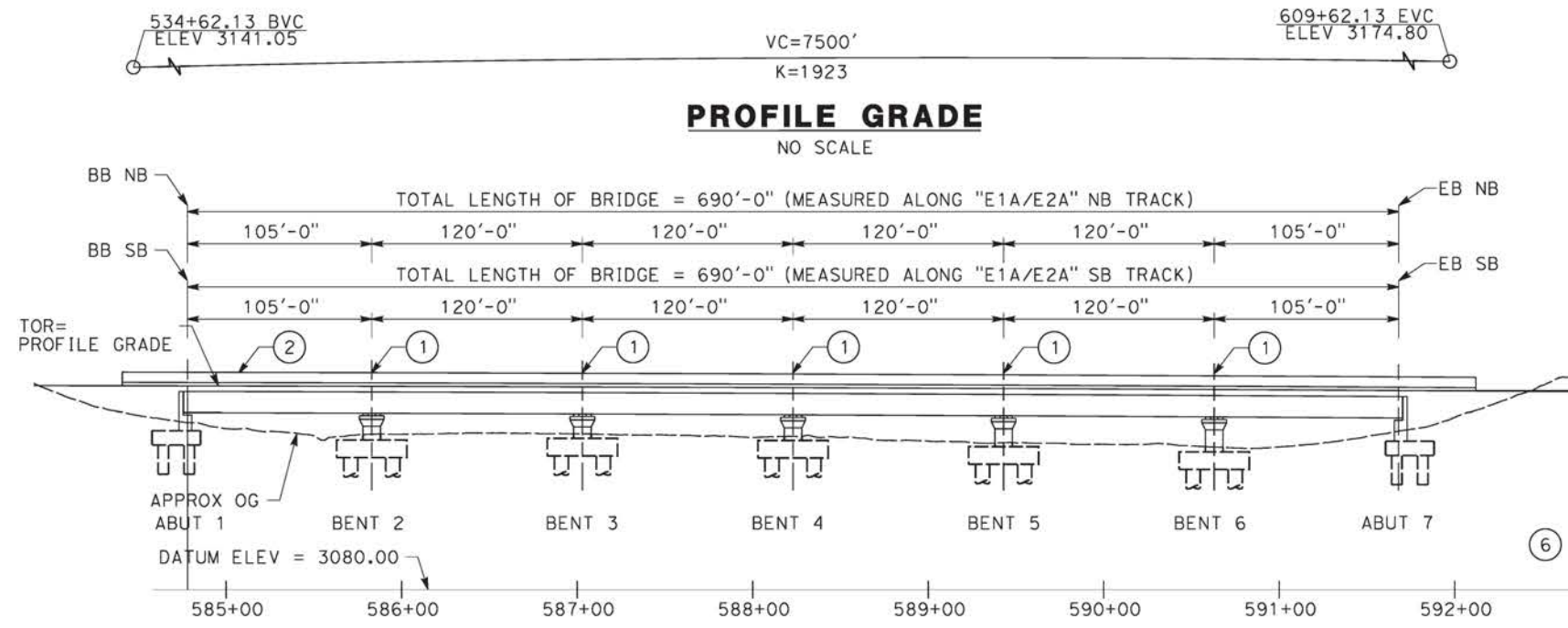
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ST-J1004-EA

SCALE
AS SHOWN

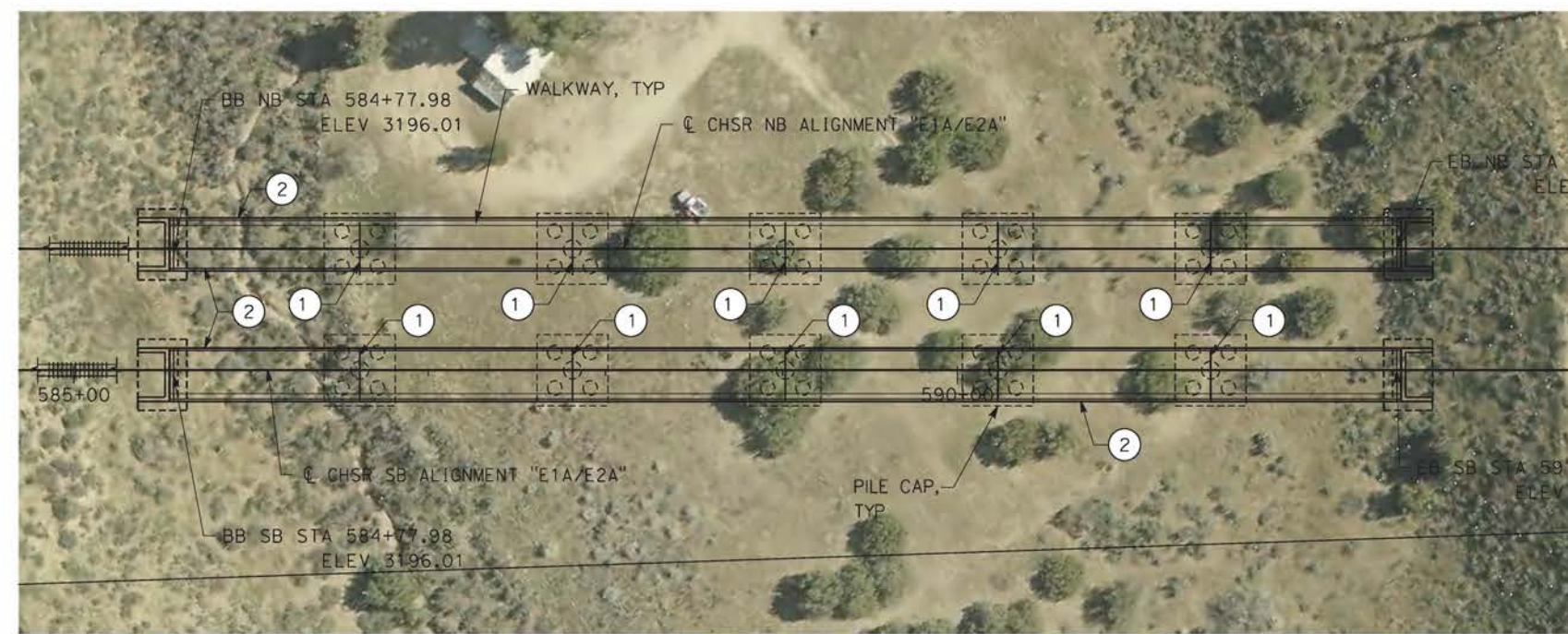
SHEET NO.

- 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

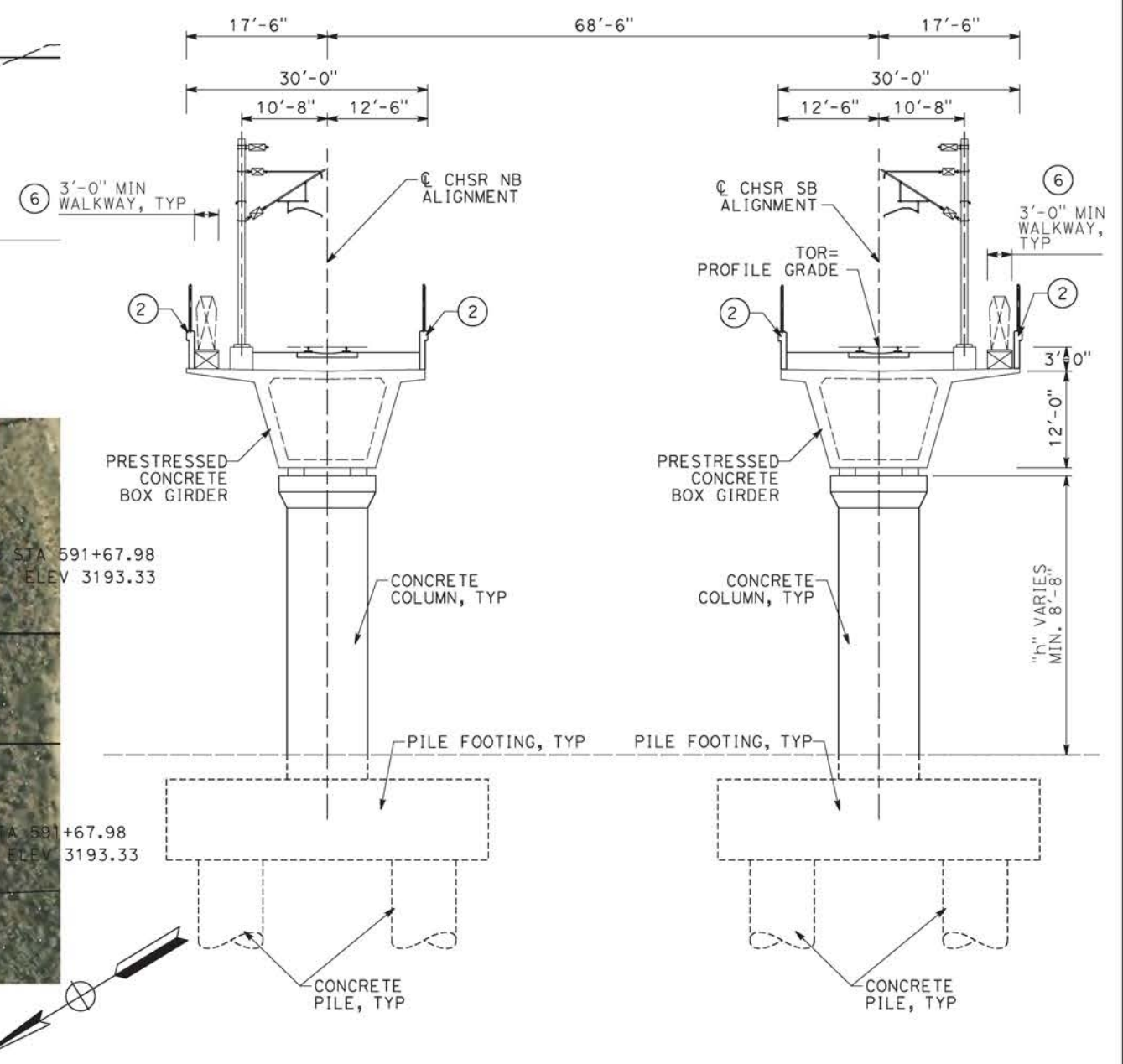
NOTE:
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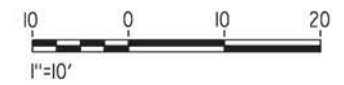
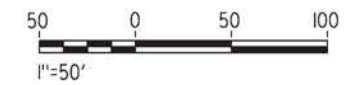
ELEVATION
SCALE: 1"=50'



PLAN
SCALE: 1"=50'



TYPICAL SECTION
SCALE: 1"=10'



ct:\pwworking\chsr\dms28521\BP-ST-J1005-EA.dgn

09/12/2020 10:37:56

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



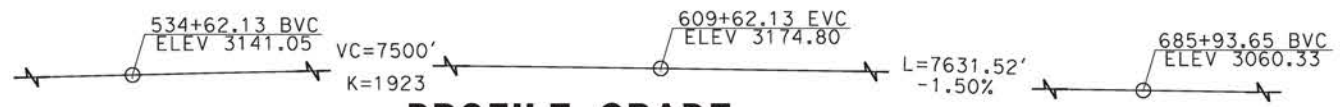
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"
 NORTH OF FORESTON DRIVE VIADUCT
 GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1005-EA

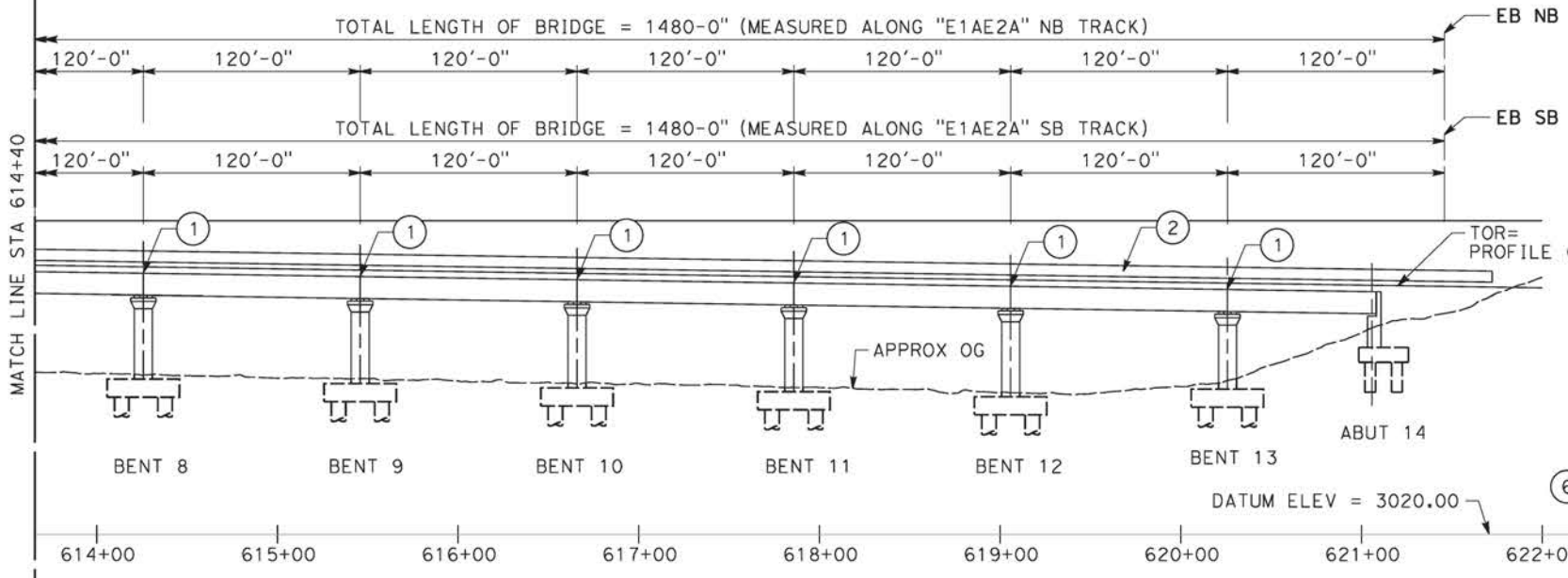
SCALE
AS SHOWN

SHEET NO.



PROFILE GRADE

NO SCALE

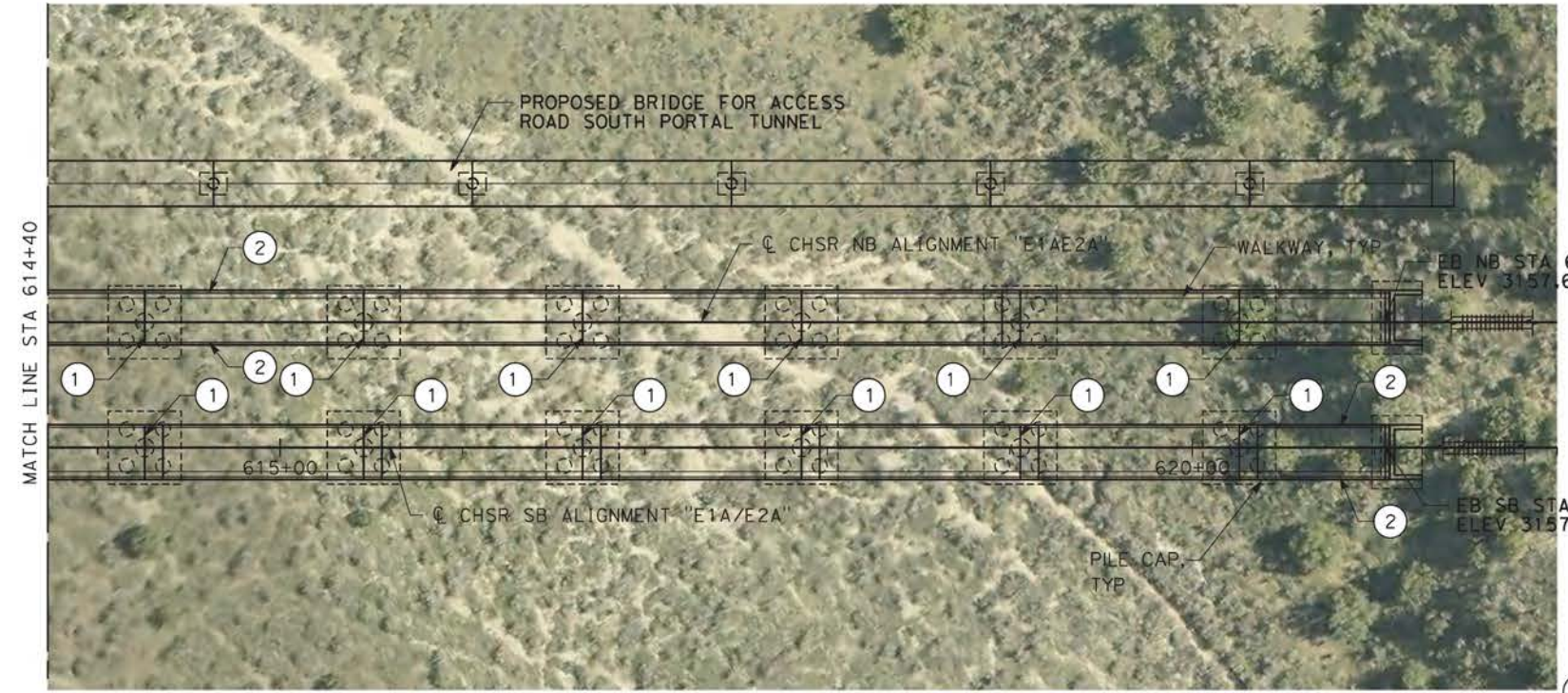


ELEVATION

SCALE: 1"=50'

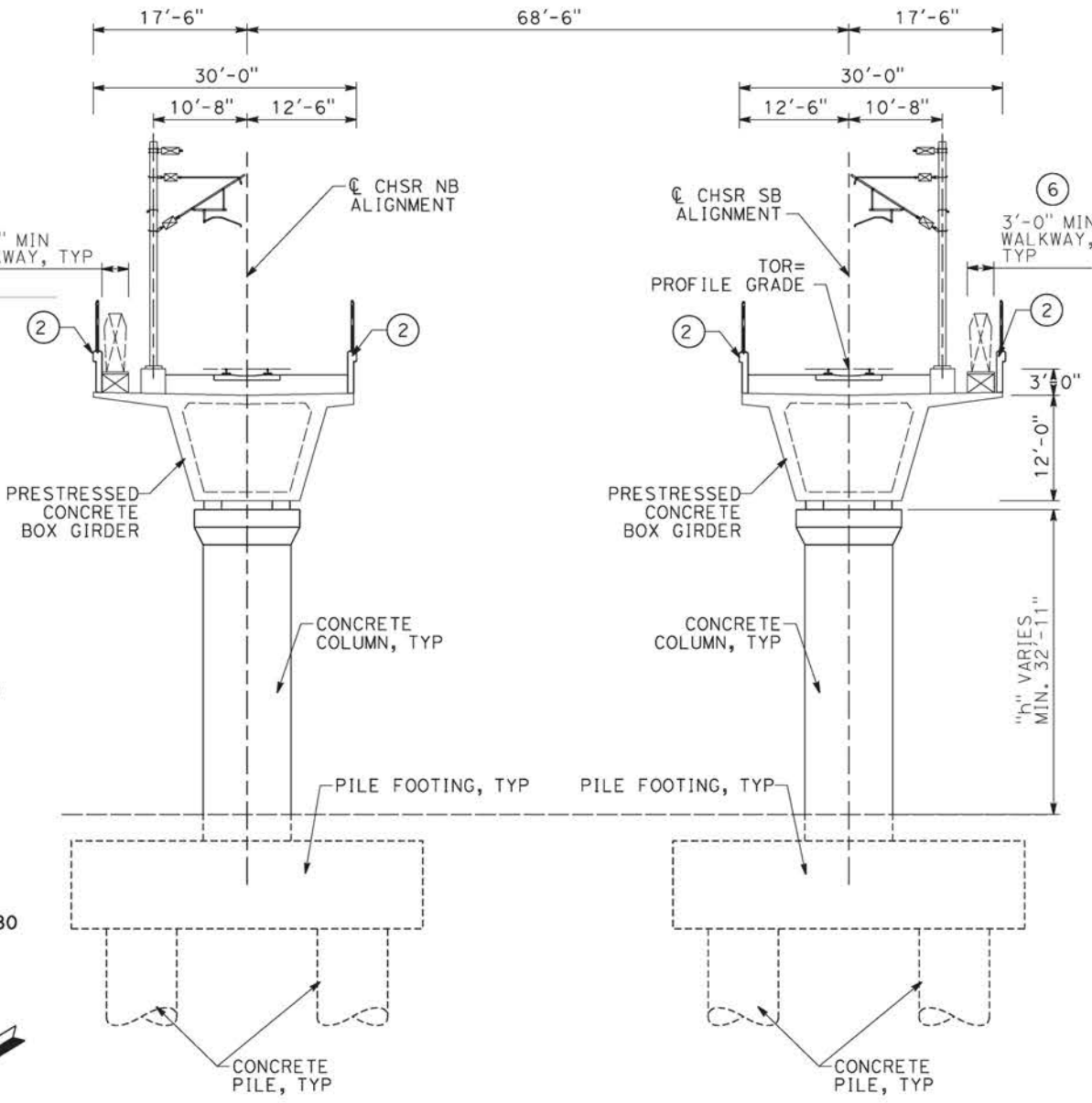
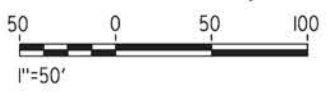
NOTE:
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- LEGEND:
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS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



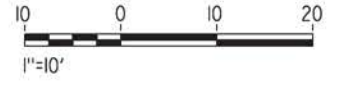
PLAN

SCALE: 1"=50'



TYPICAL SECTION

SCALE: 1"=10'



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09/12/2020 10:38:59

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

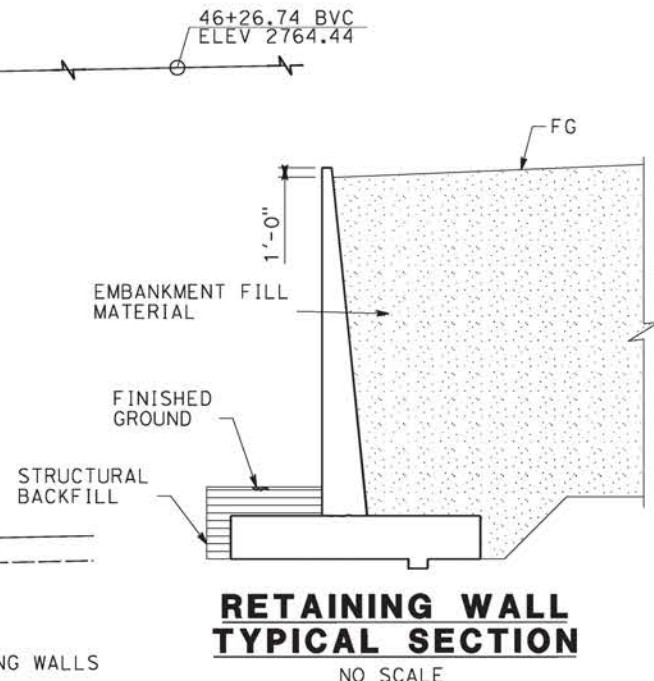
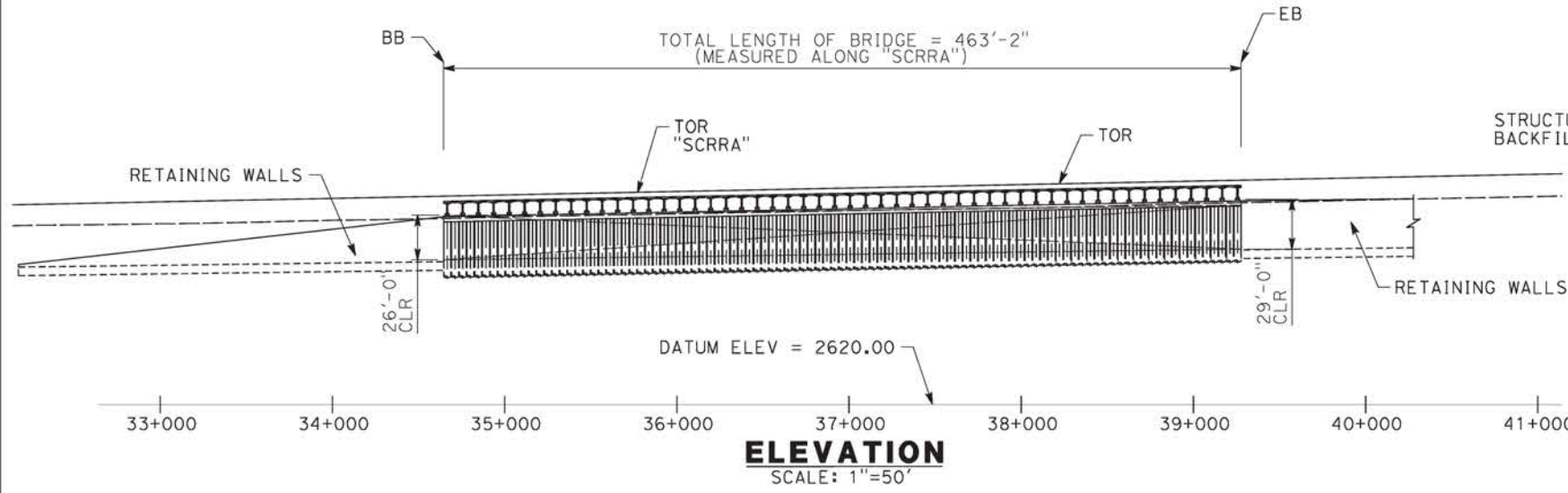
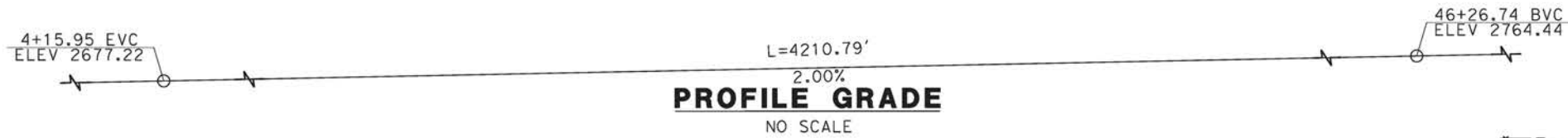
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ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



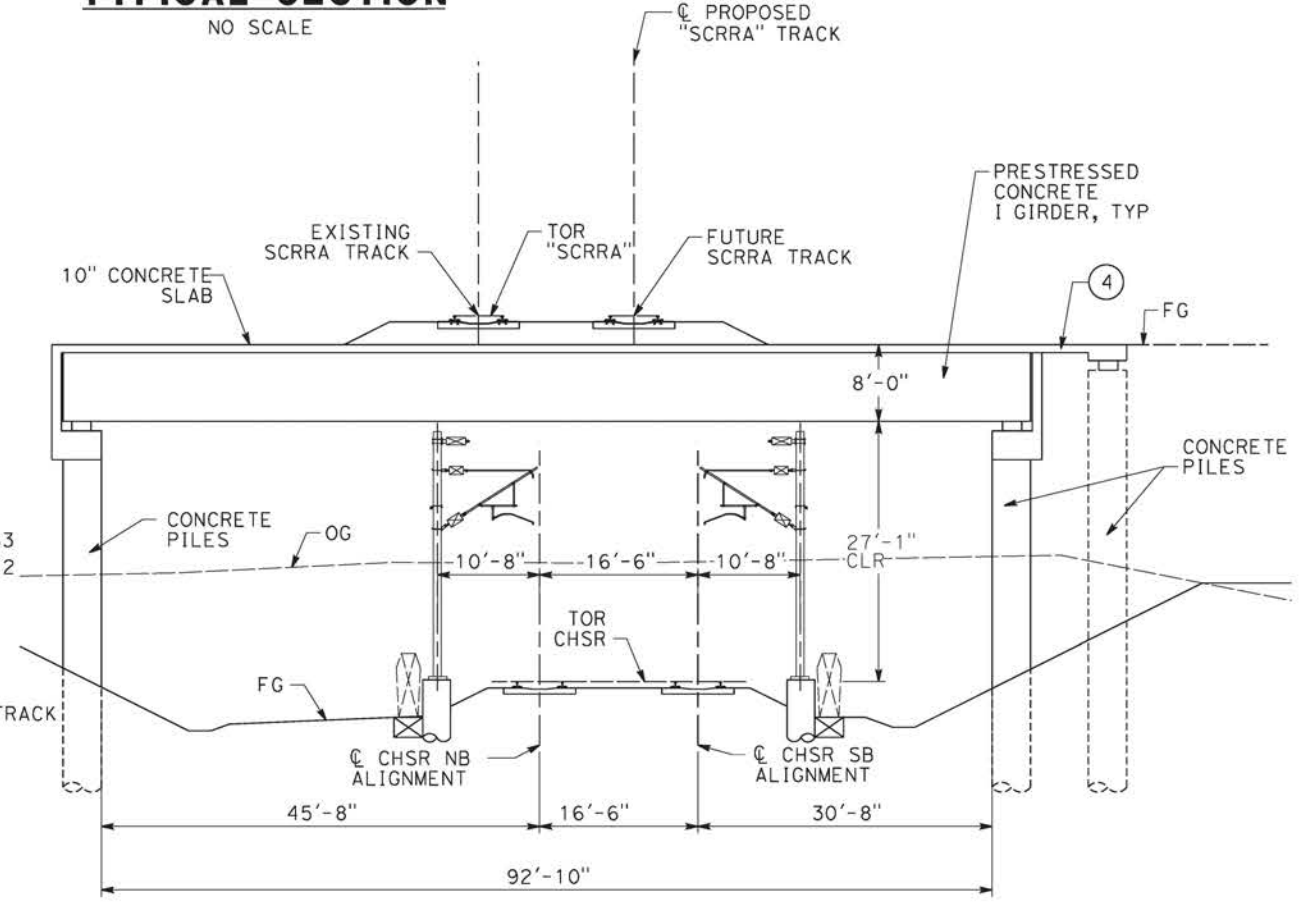
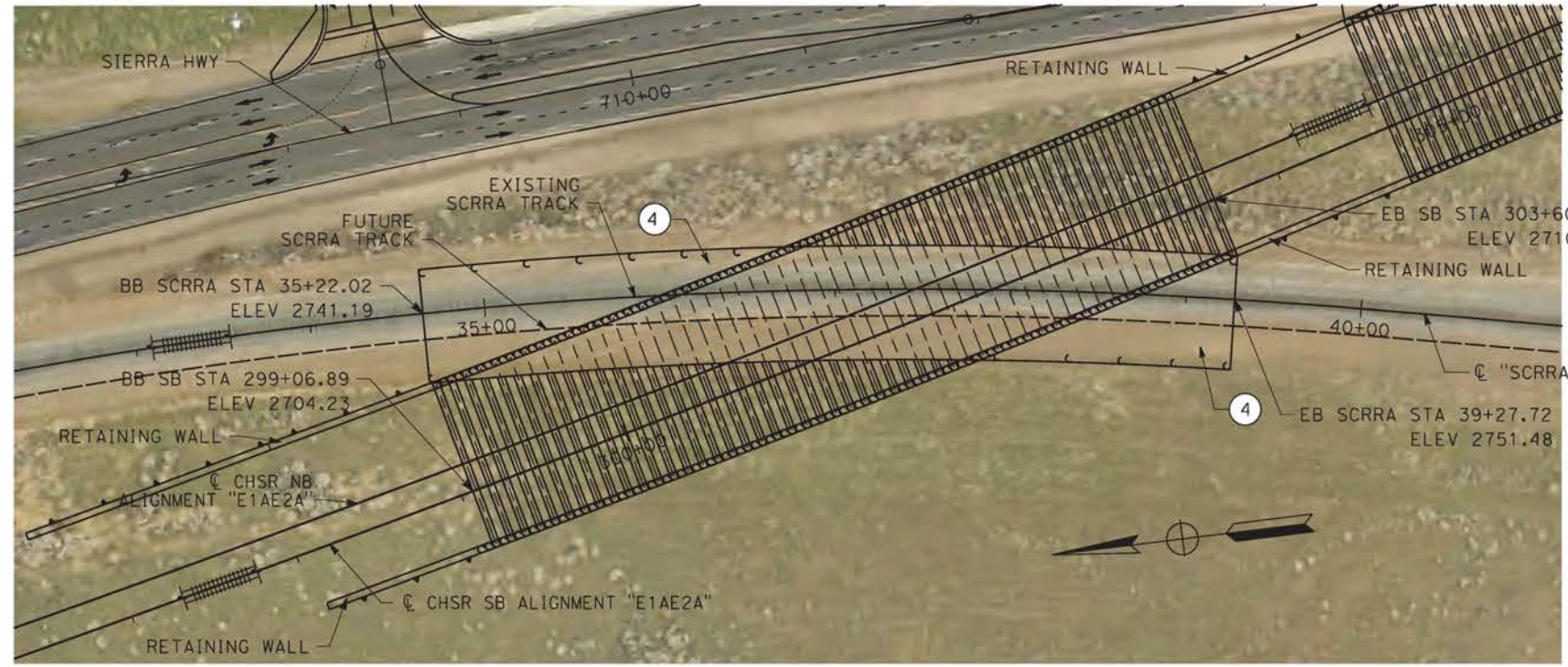
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
SOUTH OF FORESTON DRIVE VIADUCT
GENERAL PLAN
2 OF 2

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1007-EA
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.



09/12/2020 10:39:25 ct:\pwworking\chsr\dms28521\p8-ST-J1201-EA.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION

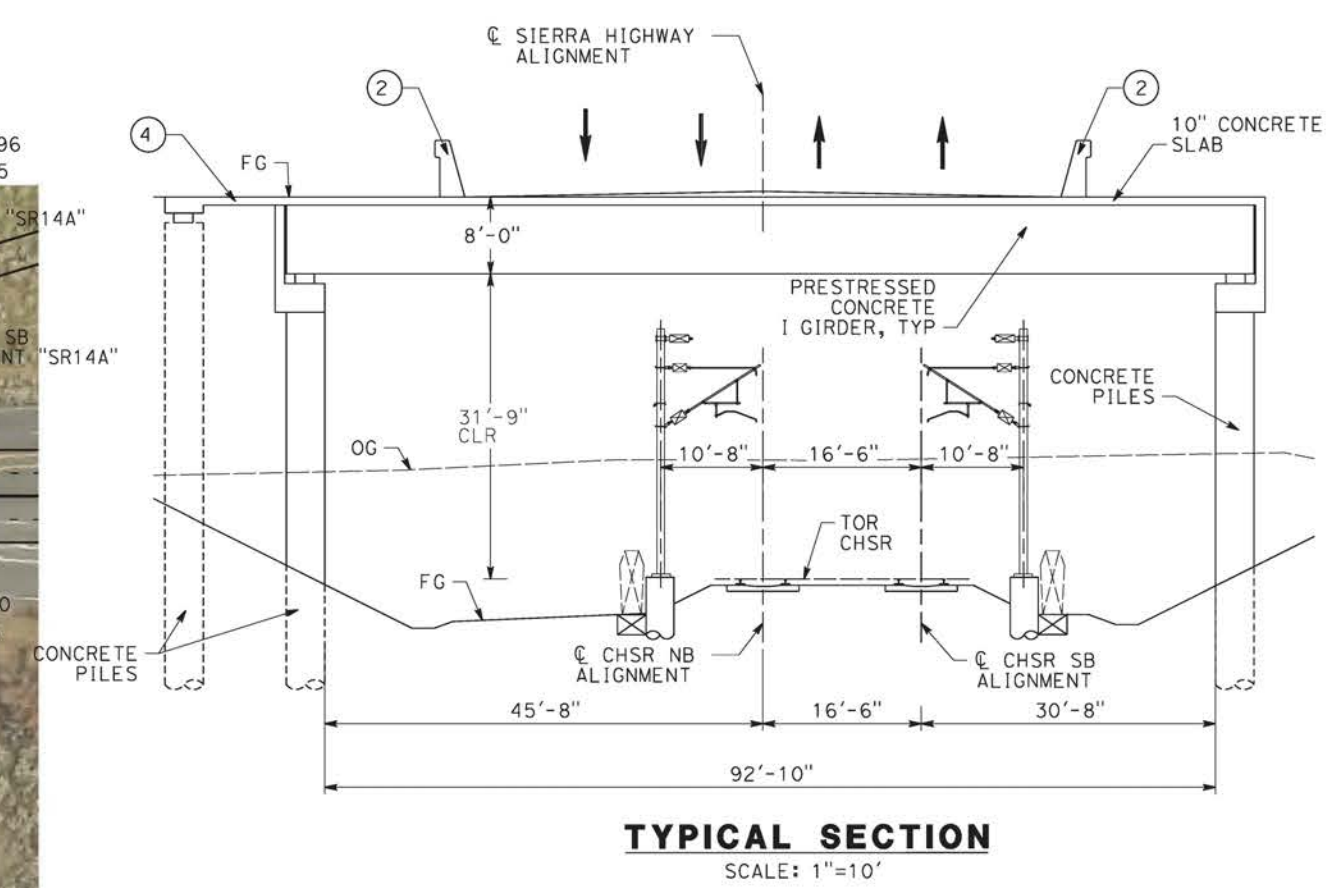
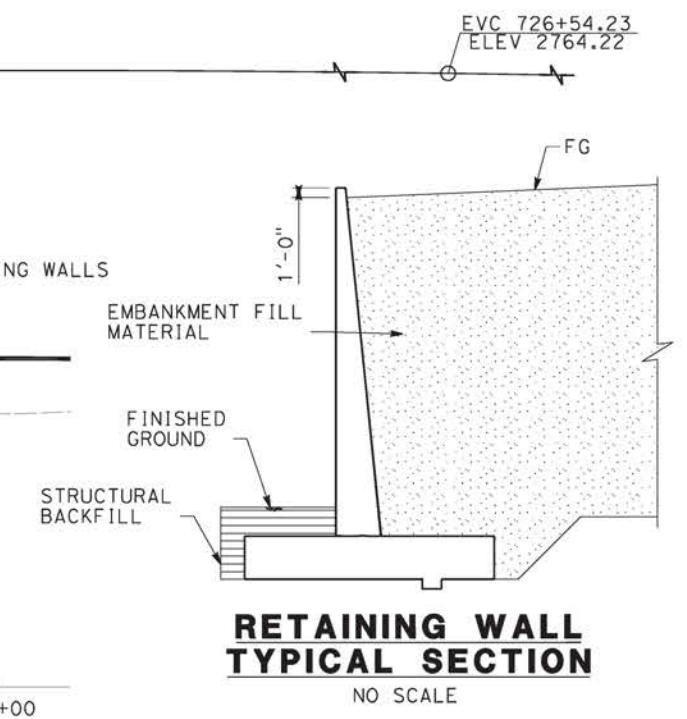
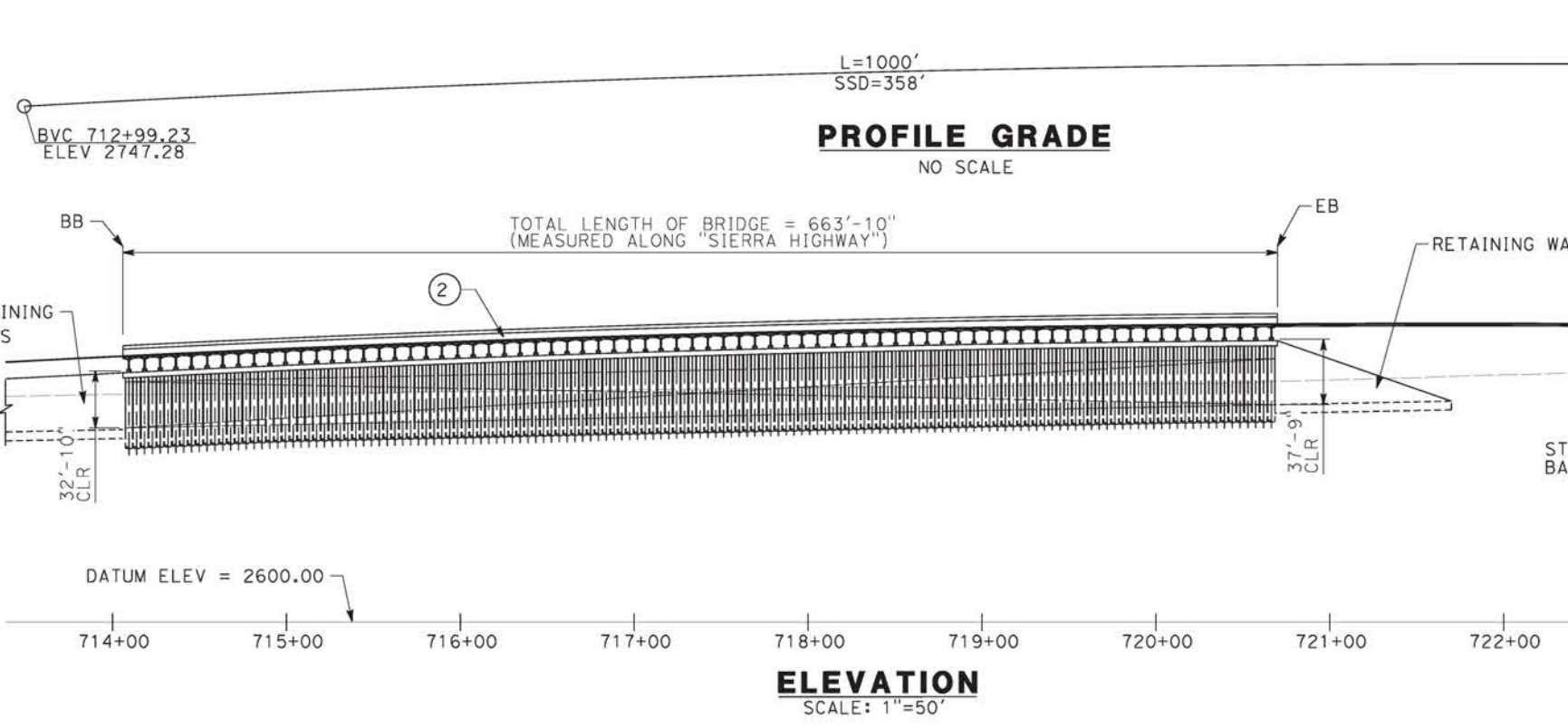


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
METROLINK OVERHEAD
GENERAL PLAN

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

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0204814



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

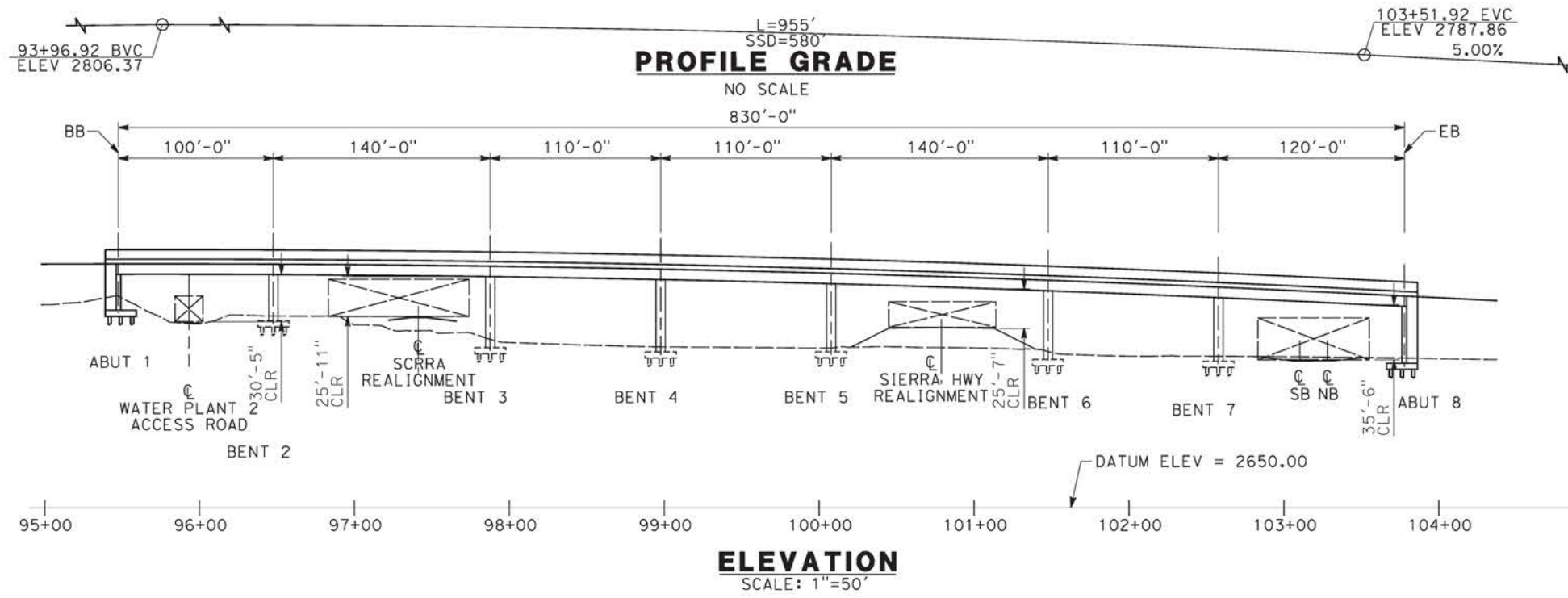
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ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



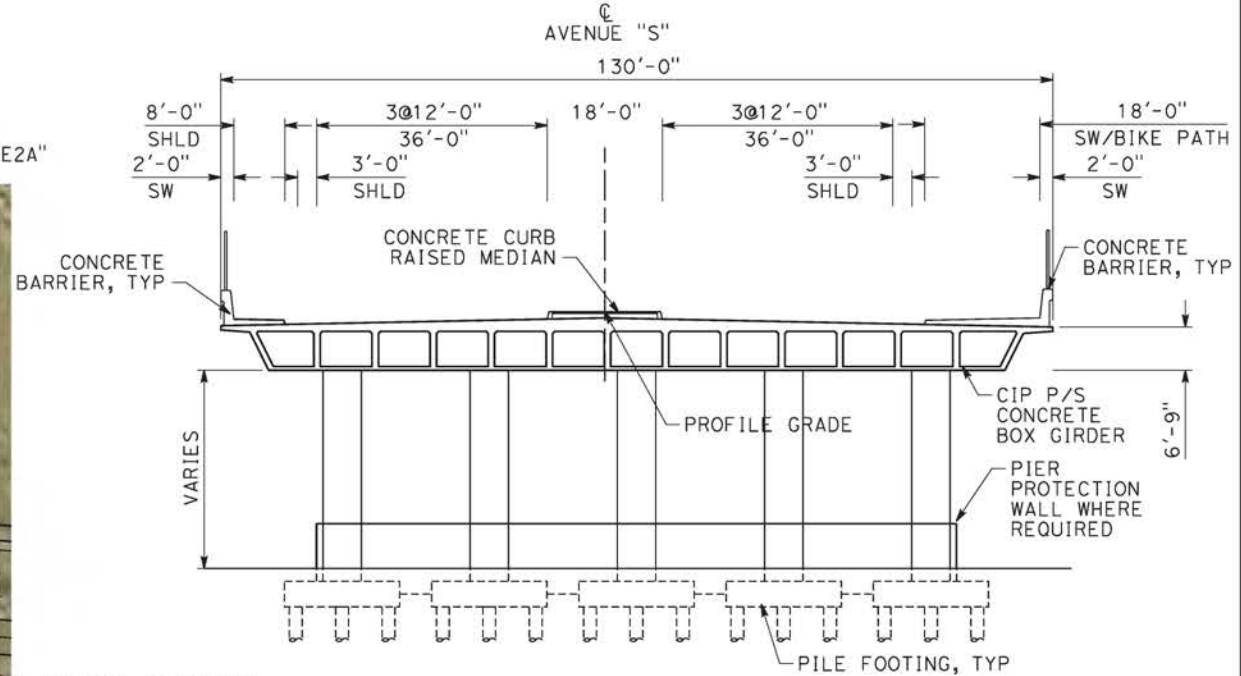
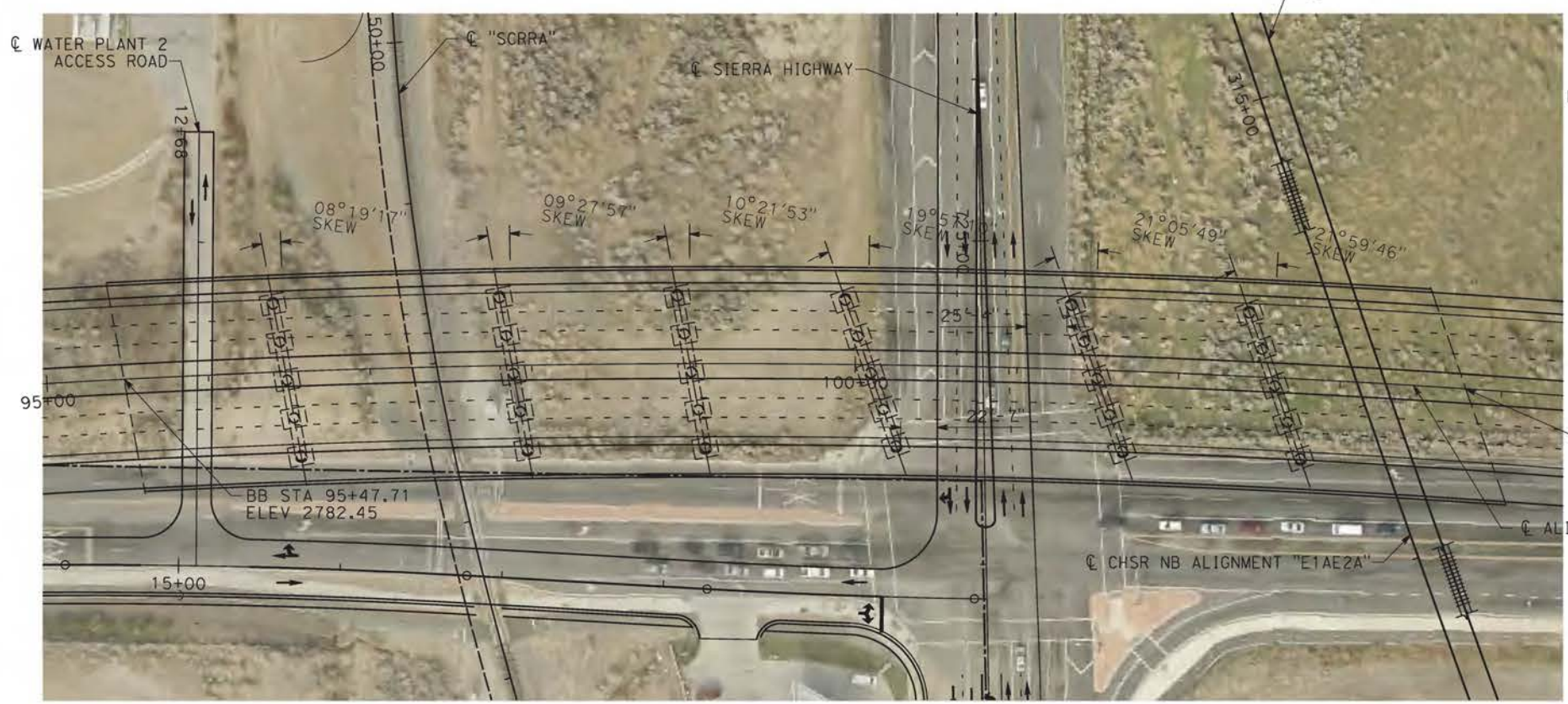
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"
SIERRA HIGHWAY OVERHEAD
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1401-EA
SCALE
AS SHOWN
SHEET NO.



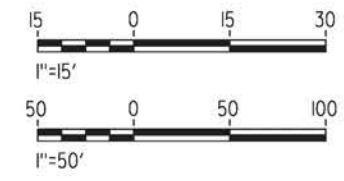
- LEGEND:**
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
 - ① EXPANSION JOINT, TYP
 - ② CONCRETE BARRIER
 - ③ GUARDRAIL OR PIER PROTECTION WALL
 - ④ NORMALIZING SLAB
 - ⑤ TRAIN SURFACE EVACUATION AND FIRE CONTROL ZONE
 - ⑥ CLEAR EMERGENCY ACCESS & EGRESS PATHWAY

NOTE:
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PLAN
 SCALE: 1"=50'

TYPICAL SECTION
 SCALE: 1"=15'



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25/01/2021 11:08:56

0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELANO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



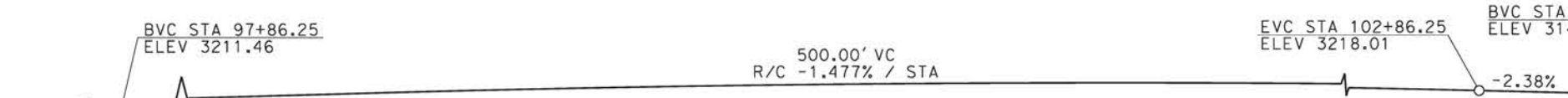
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"
 AVENUE S OVERCROSSING
 GENERAL PLAN

CONTRACT NO.
HSR14-42

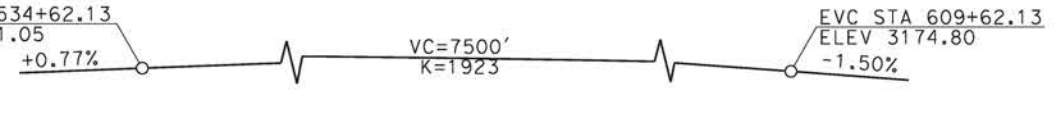
DRAWING NO.
ST-J1402-EA

SCALE
AS SHOWN

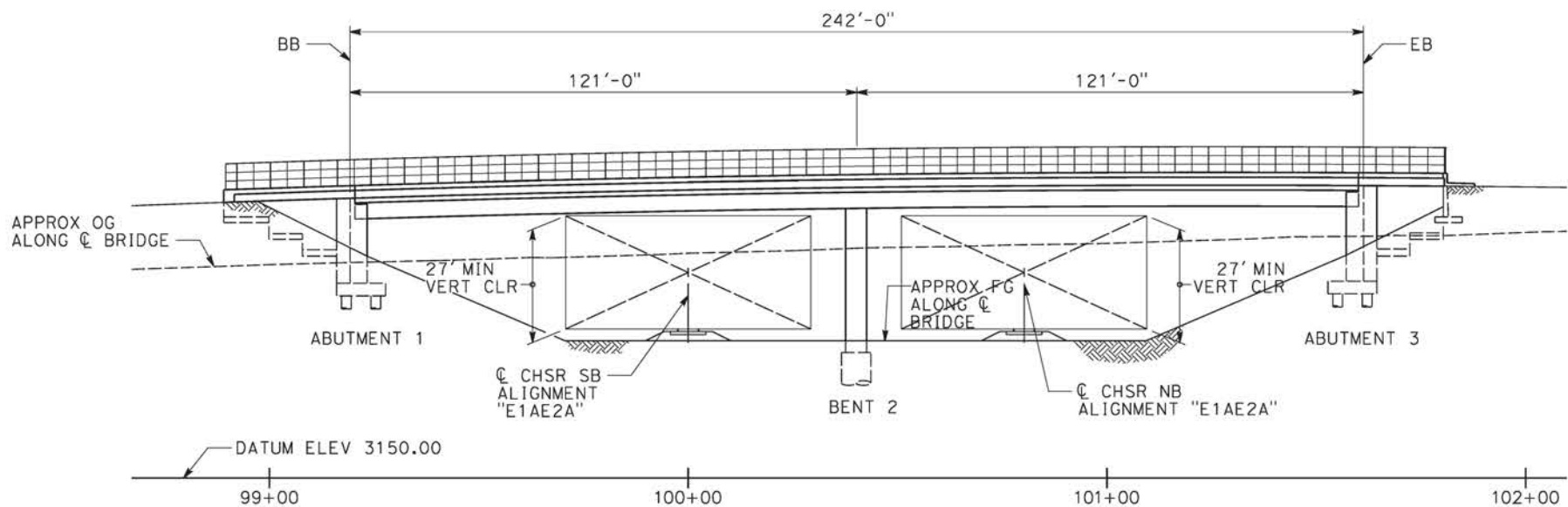
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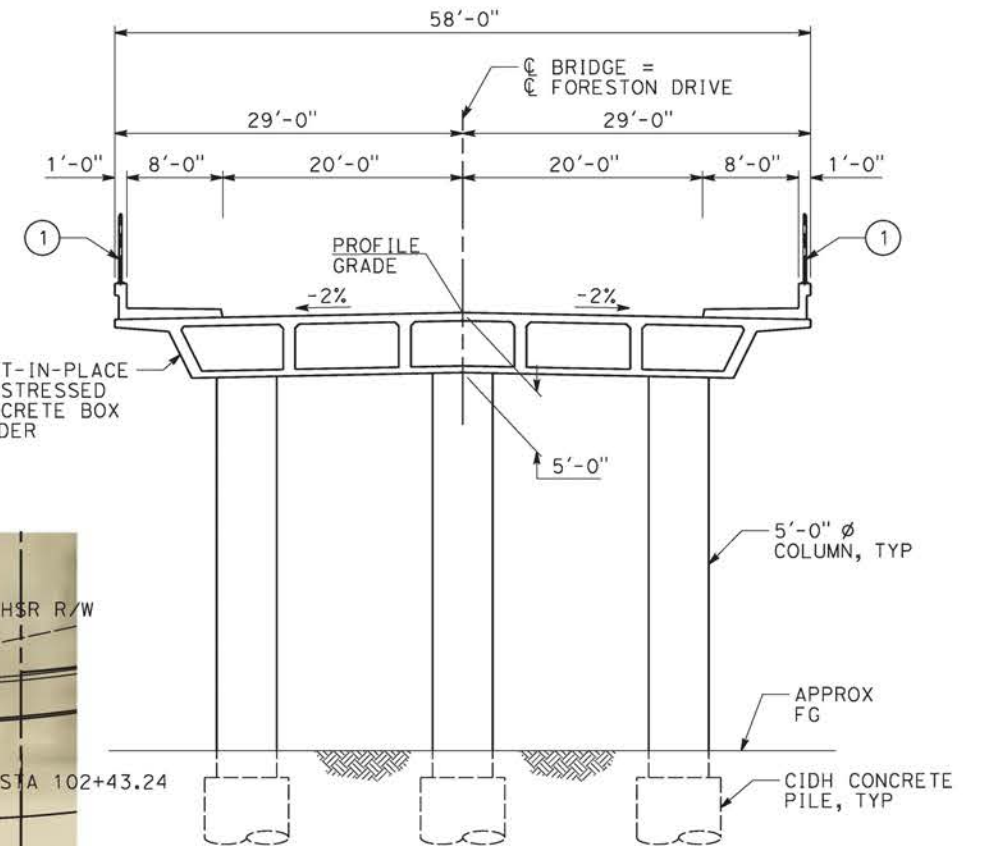
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NO SCALE



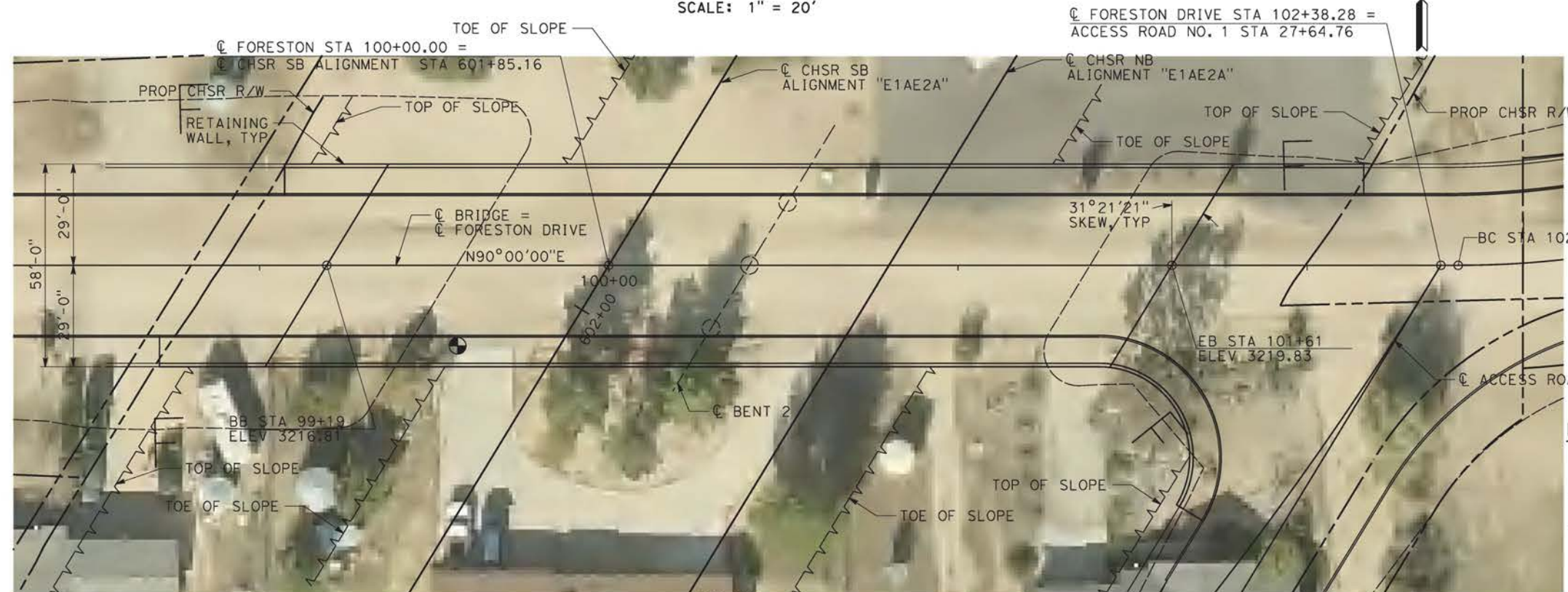
PROFILE GRADE - CHSR SB TRACK
NO SCALE



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.RELAÑO
DATE
02/26/2021

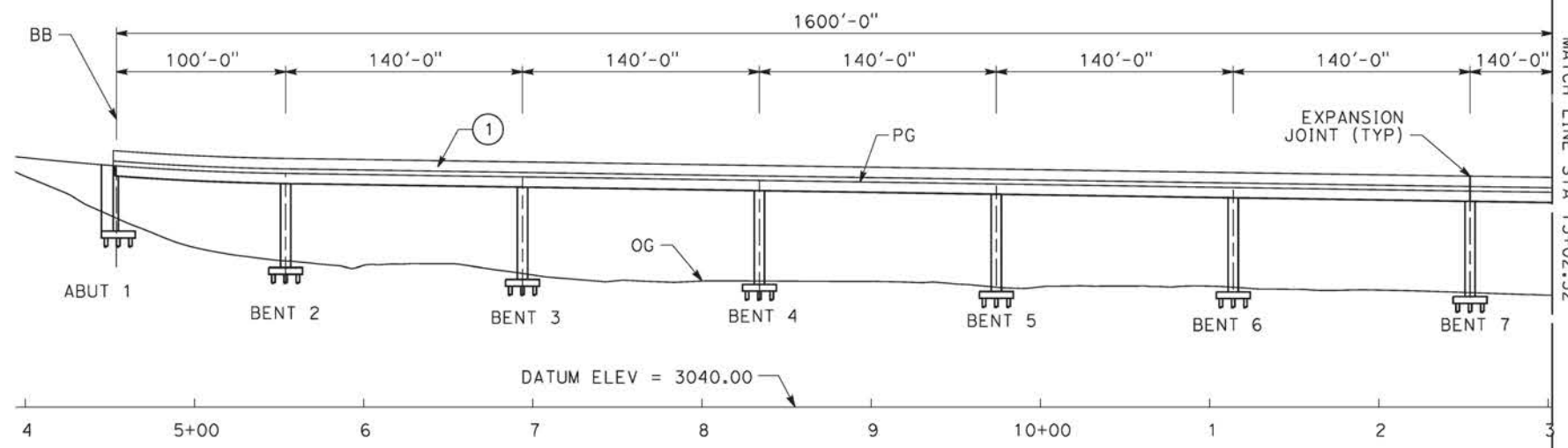
PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR
CONSTRUCTION

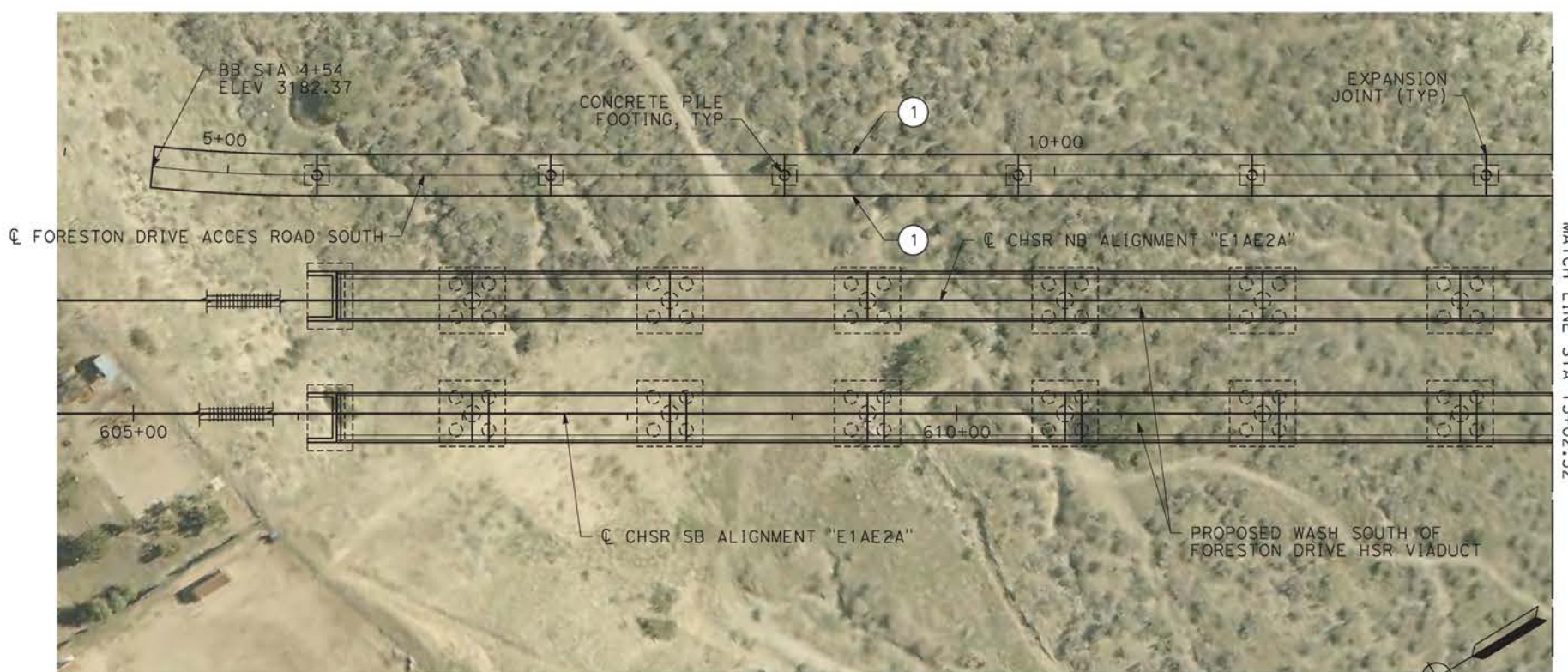


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
FORESTON DRIVE OVERHEAD
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1403-EA
SCALE
AS SHOWN
SHEET NO.



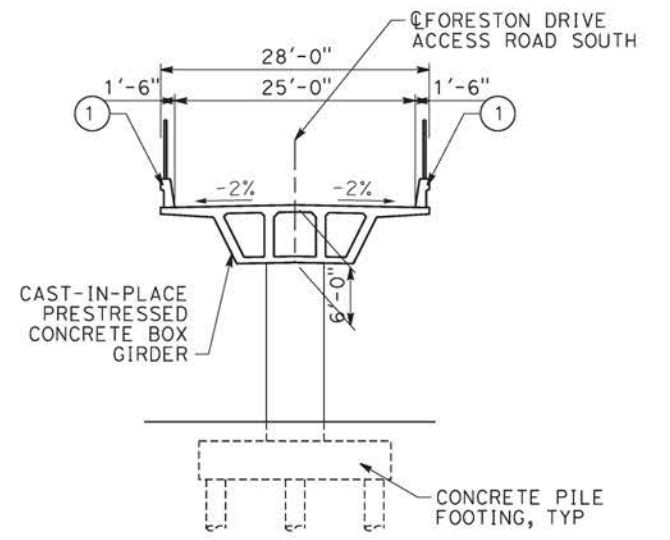
ELEVATION
SCALE: 1"=50'



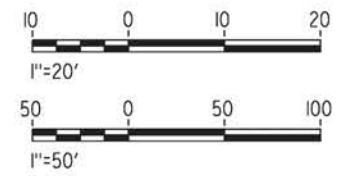
PLAN
SCALE: 1"=50'

- 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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09/12/2020 10:41:41

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA
DRAWN BY
J.LOPEZ
CHECKED BY
J.REVOLTOS
IN CHARGE
A.RELAÑO
DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



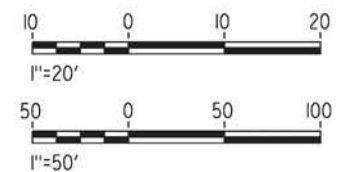
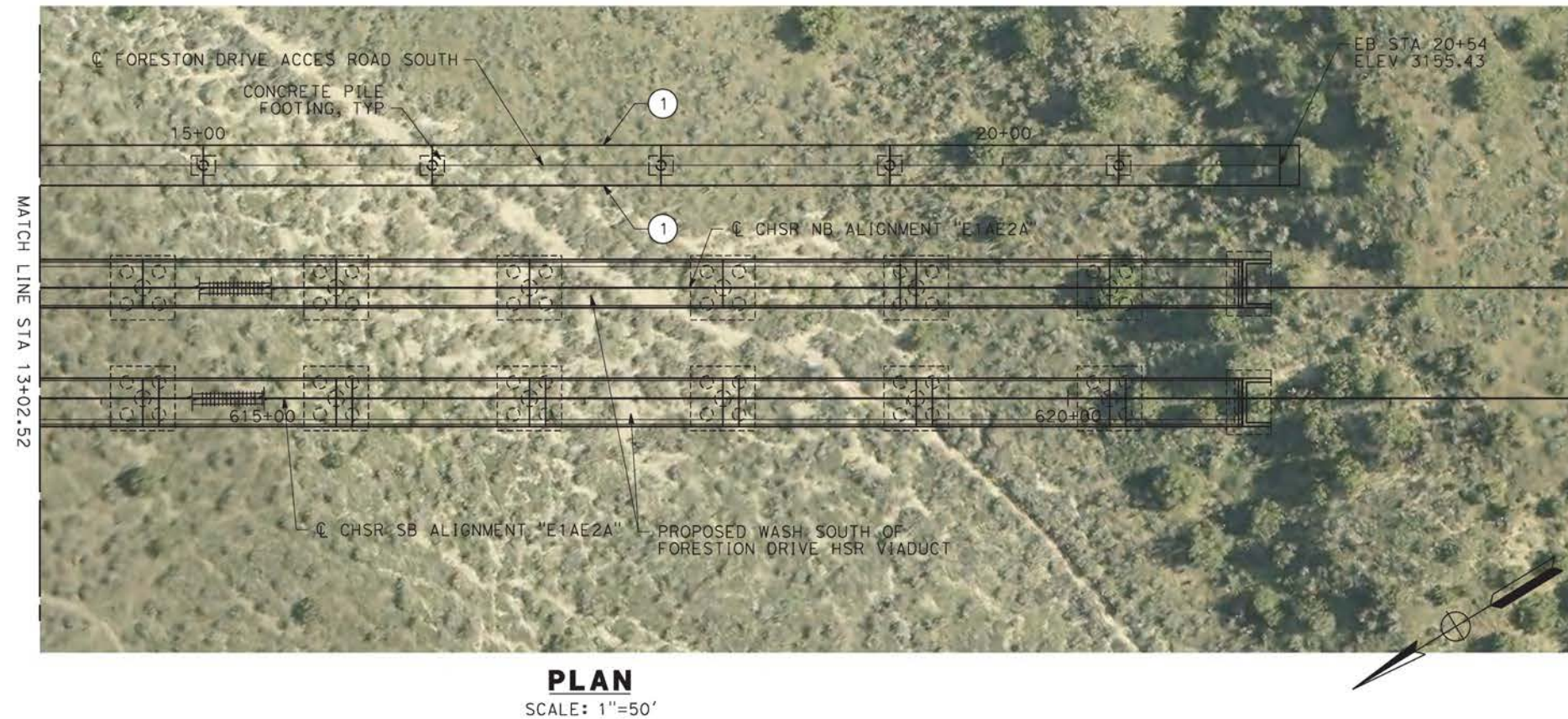
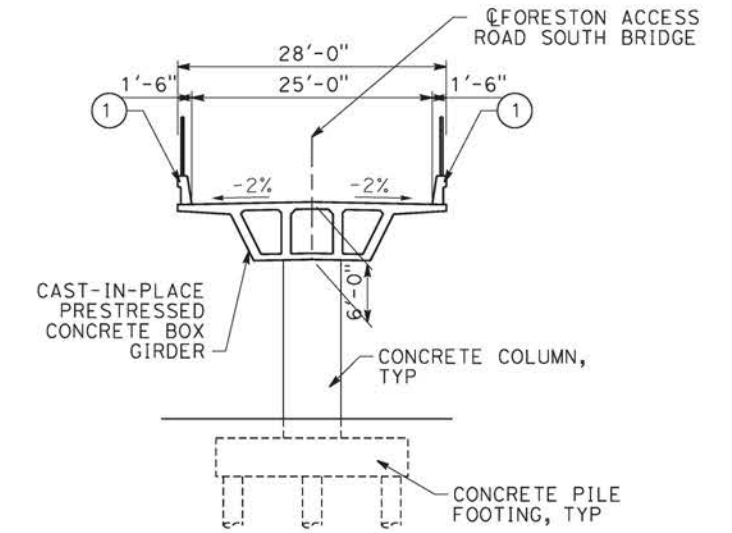
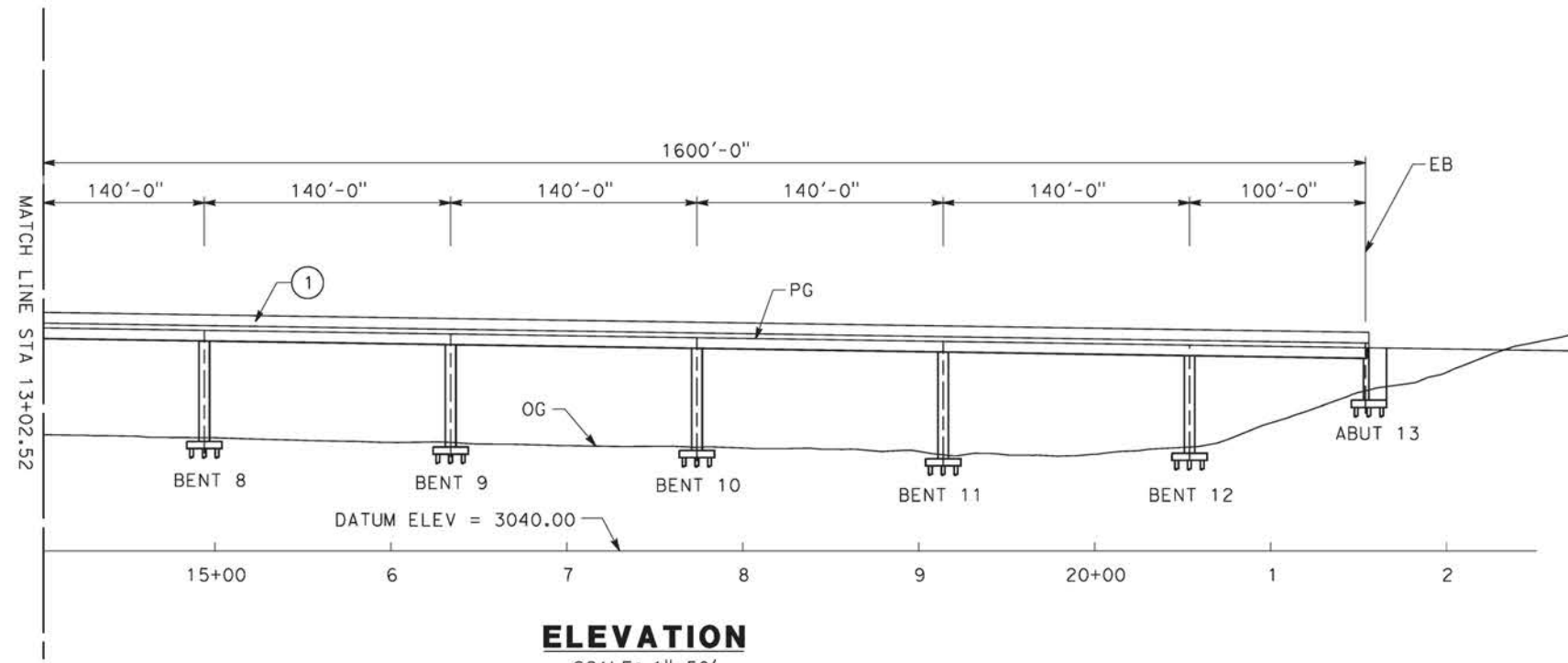
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
FORESTON SOUTH ACCESS ROAD
GENERAL PLAN
1 OF 2

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J14004-EA
SCALE
AS SHOWN
SHEET NO.

LEGEND:

- ① PARAPET
- INDICATES NEW CONSTRUCTION

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0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A.MOLINA

DRAWN BY
J.LOPEZ

CHECKED BY
J.REVOLTOS

IN CHARGE
A.RELAÑO

DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"
 FORESTION SOUTH ACCESS ROAD
 GENERAL PLAN
 2 OF 2

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J14005-EA

SCALE
AS SHOWN

SHEET NO.