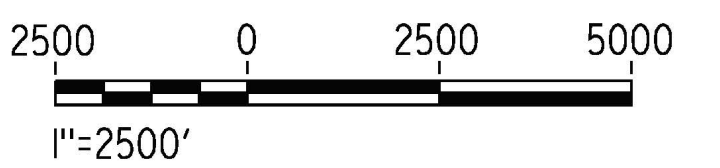


DRAWING NO	DESCRIPTION	BEGIN STR STATION	FAULTING	CLASSIFICATION	SUBSURFACE CONDITIONS	FOUNDATION TYPE
ST-J1001-S14	LMF NB RAIL CROSSING	ST 123+10	2.8 Miles/San Andreas Fault Zone (SAFZ), HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1002-S14	SIERRA HW UNDERPASS (SB PLATFORM TRACK)	ST 171+48	1.9 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1003-S14	SIERRA HW UNDERPASS (MAIN TRACK)	ST 172+46	1.85 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1004-S14	SIERRA HW UNDERPASS (NB PLATFORM TRACK)	ST 173+40	1.8 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1005-S14	AVENUE Q UNDERPASS (SB PLATFORM TRACK)	ST 209+36	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1006-S14	AVENUE Q UNDERPASS (MAIN TRACK)	ST 209+40	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1007-S14	AVENUE Q UNDERPASS (NB PLATFORM TRACK)	ST 209+48	1.2 Miles/ SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled
ST-J1201-S14	SIERRA HIGHWAY UNDERPASS (SCRRA)	ST 176+70	1.8 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1202-S14	SIERRA HIGHWAY UNDERPASS (UPRR)	ST 177+00	1.8 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1203-S14	AVENUE Q UNDERPASS (SCRRA TRACK 2)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1204-S14	AVENUE Q UNDERPASS (SCRRA TRACK 1)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1205-S14	AVENUE Q UNDERPASS (UPRR)	ST 210+00	1.2 Miles/ SAFZ, HFZ	SECONDARY / ORDINARY / STANDARD	Alluvium, Site Class D	Piled
ST-J1401-S14	PALMDALE BOULEVARD OVERHEAD	ST 237+00	0.56 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / COMPLEX	Alluvium, Site Class D	Piled
ST-J1402-S14	PALMDALE BOULEVARD OVERCROSSING	ST 237+00	0.56 Miles/SAFZ, HFZ	SECONDARY / ORDINARY / COMPLEX	Alluvium, Site Class D	Piled
ST-J1403-S14	AVENUE R OVERHEAD	ST 264+00	0.08 Miles/SAFZ, HFZ	PRIMARY / IMPORTANT / STANDARD	Alluvium, Site Class D	Piled

FAULT ZONE ACTIVITY DESIGNATION (TM 2.10.6)

- HAZARDOUS
- POTENTIALLY HAZARDOUS
- NON-HAZARDOUS



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18/03/2019 15:22:16

0204822

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LÓPEZ

CHECKED BY
J. REVOLTÓS

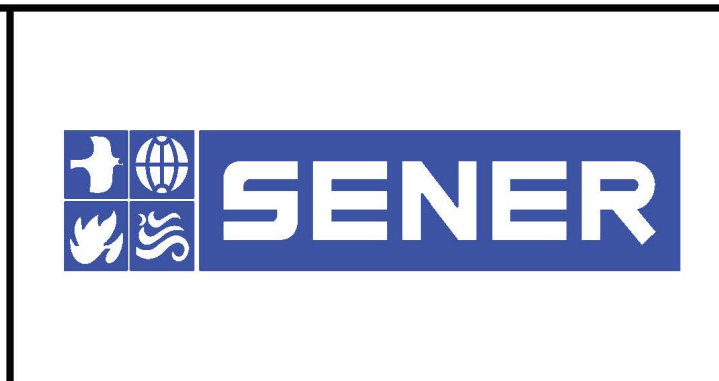
IN CHARGE
A. RELANO

DATE
02/01/2019

PALMDALE SUBSECTION

DRAFT PEPP REV01

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

ALIGNMENT "REFINED SR14/E1/E2"

GENERAL

FAULT KEY MAP FOR STRUCTURES

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-B0004-S14

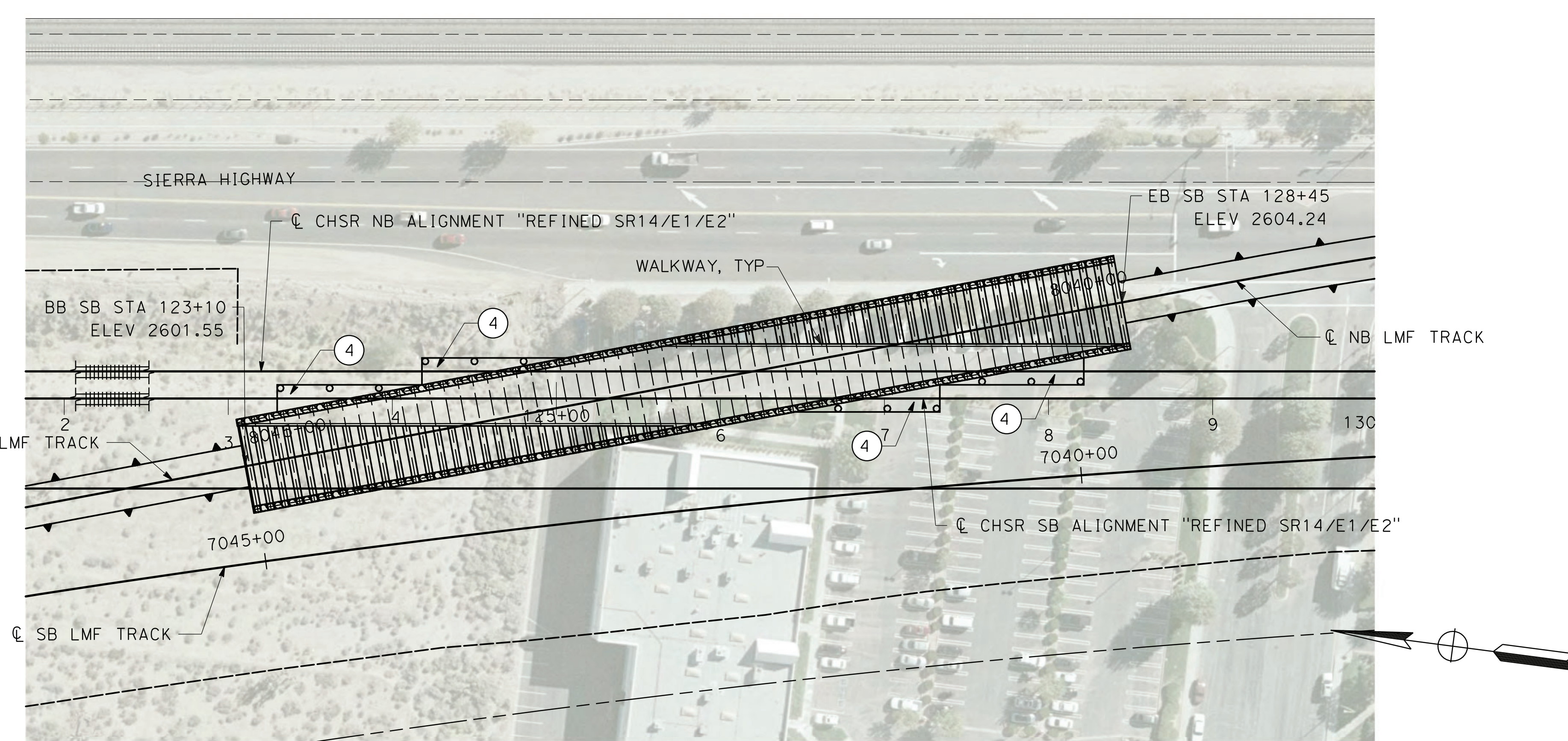
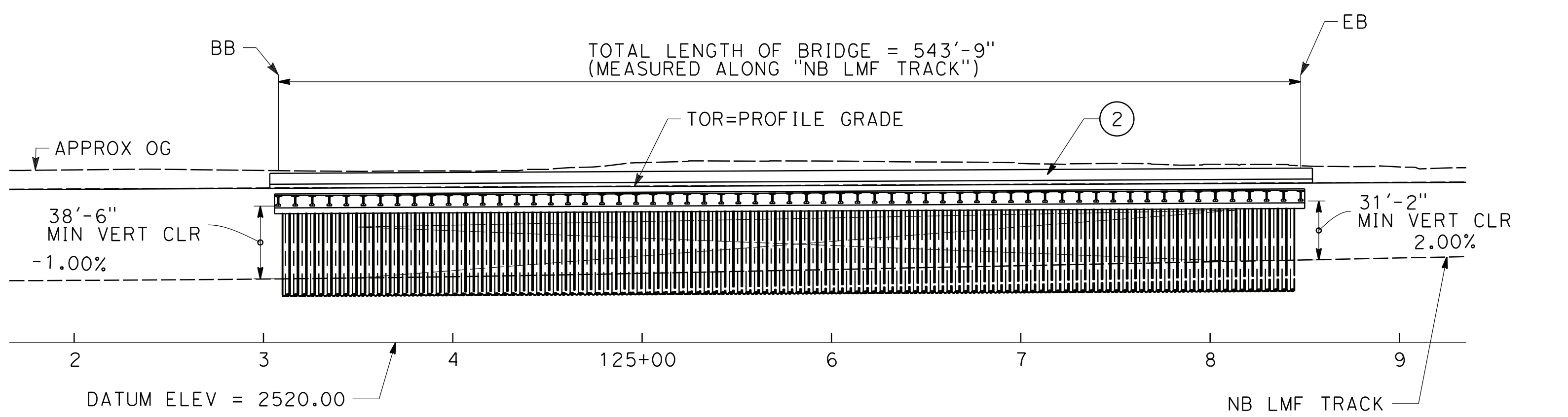
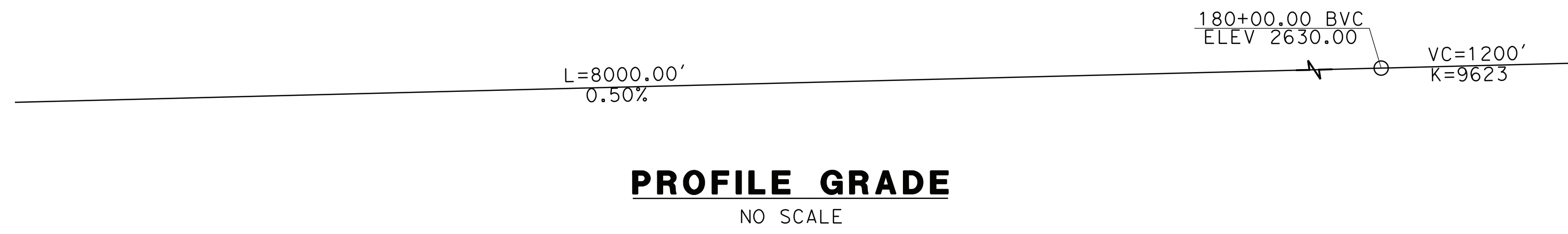
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SHEET NO.

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15/03/2019 10:12:28

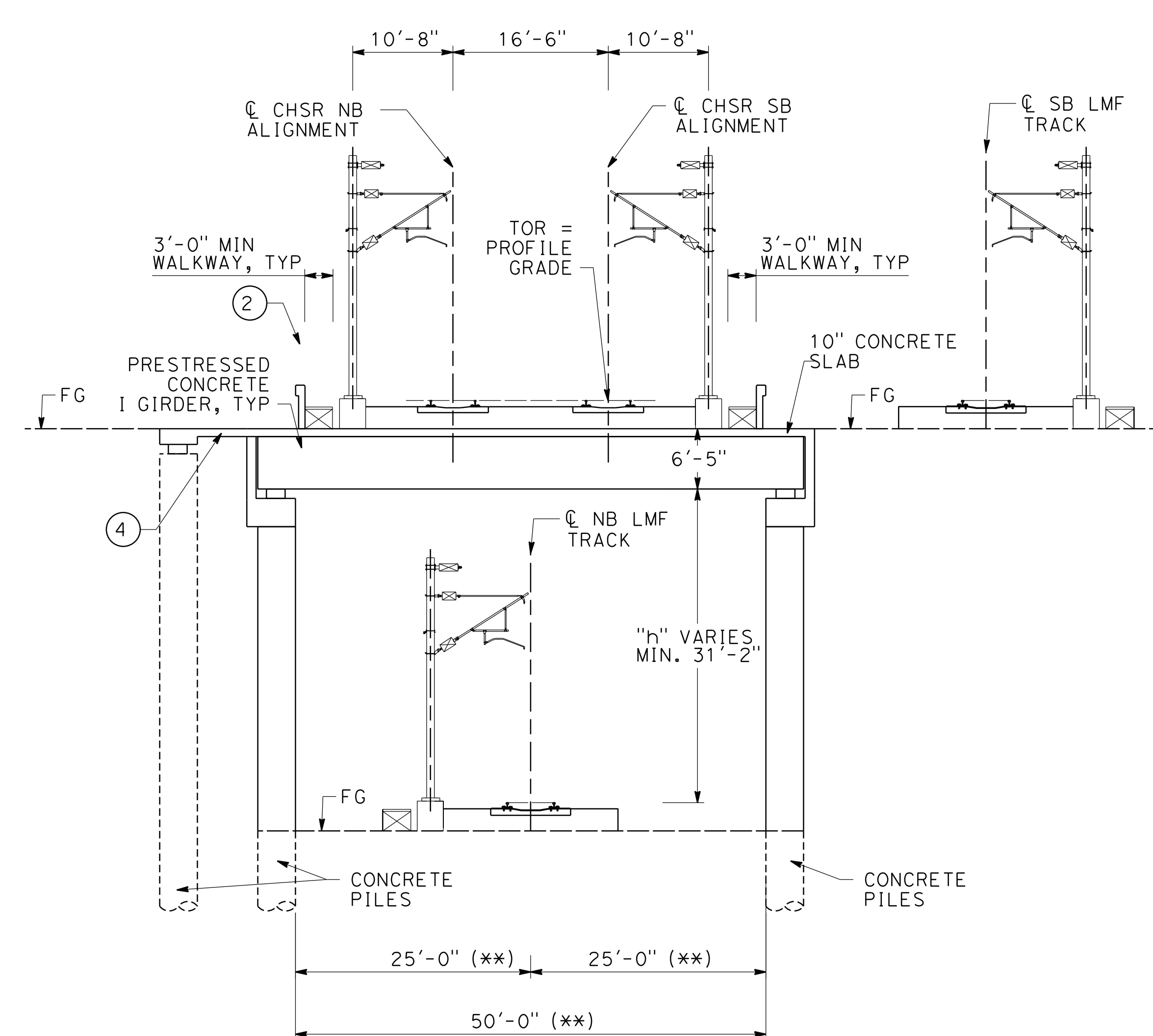
0204814



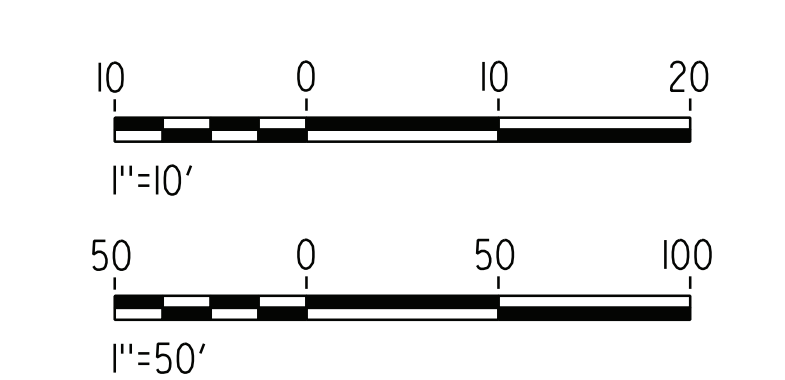
NOTES:
 ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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

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

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



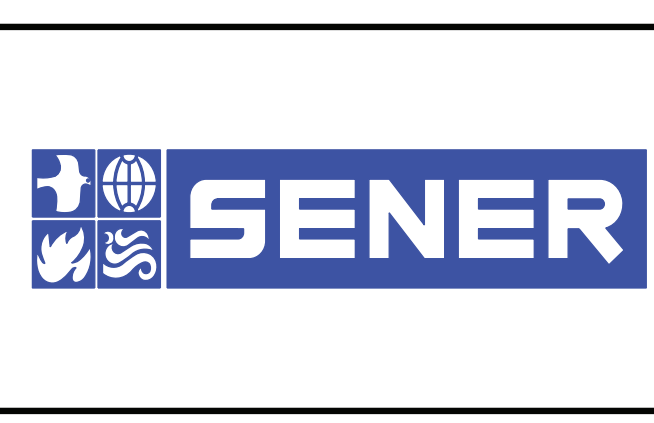
* REFERED TO SB CHSR TRACK
 ** MEASURED ACROSS NB LMF TRACK



REV	DATE	BY	CHK	APP	DESCRIPTION

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

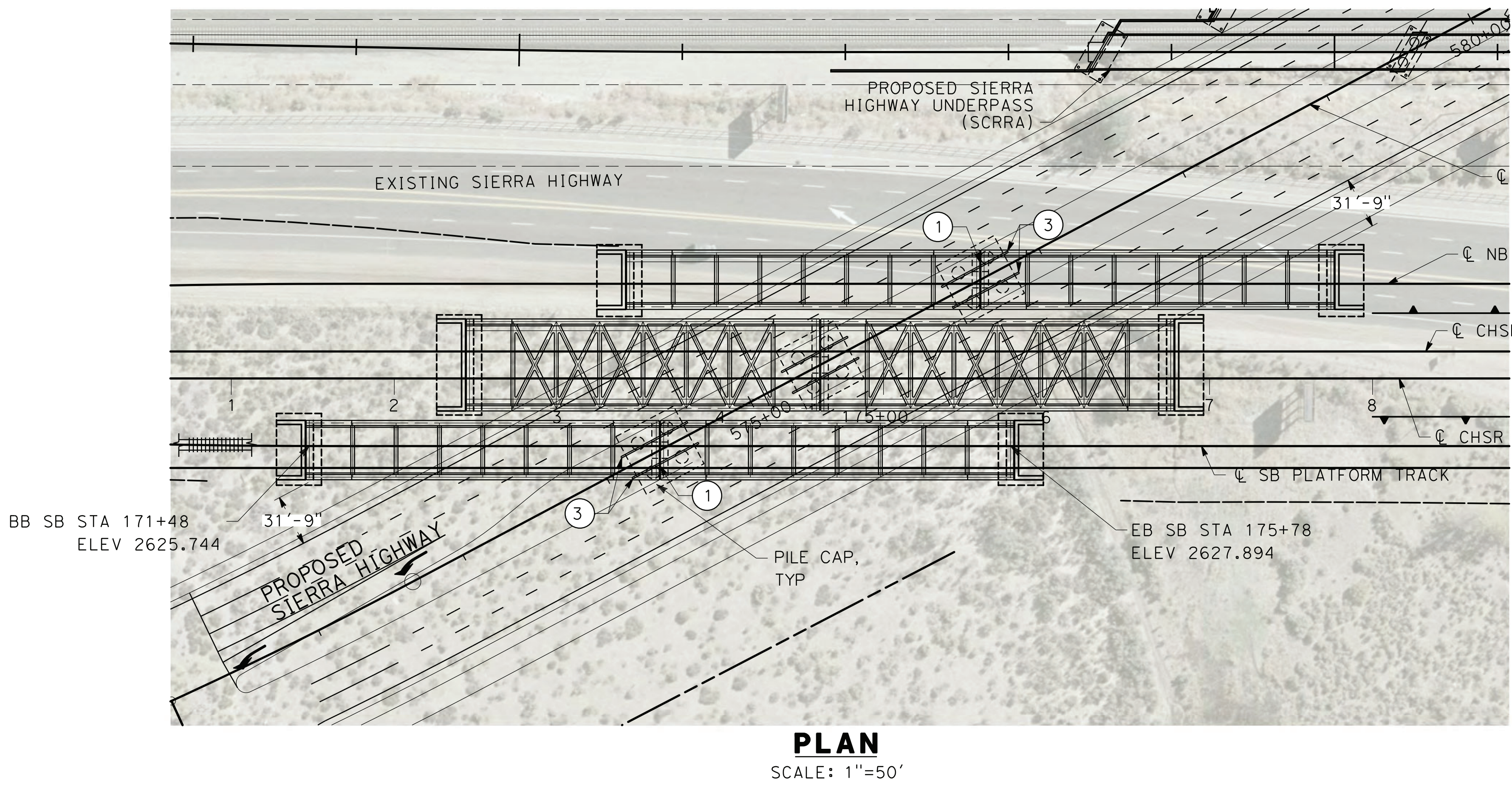
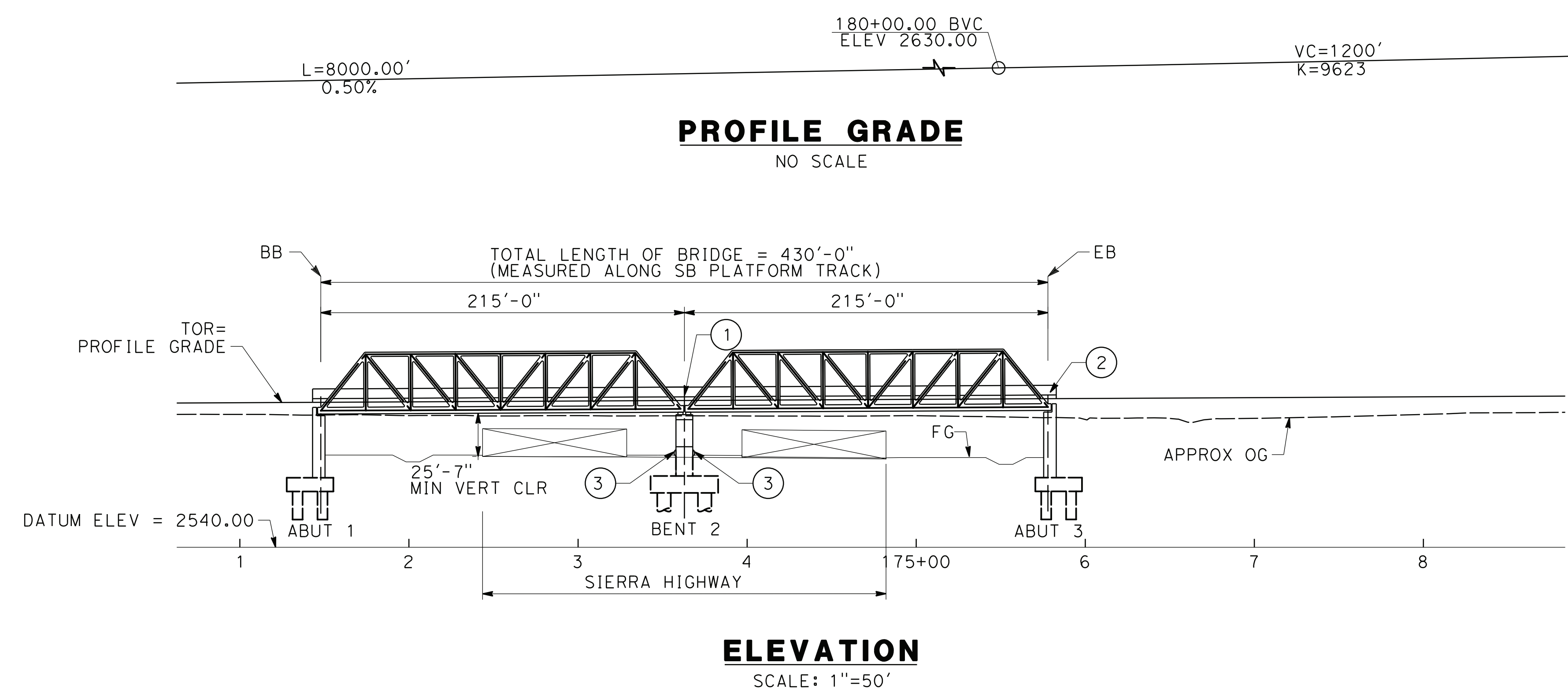
PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14/E1/E2"
 LMF NB RAIL CROSSING VIADUCT
 GENERAL PLAN

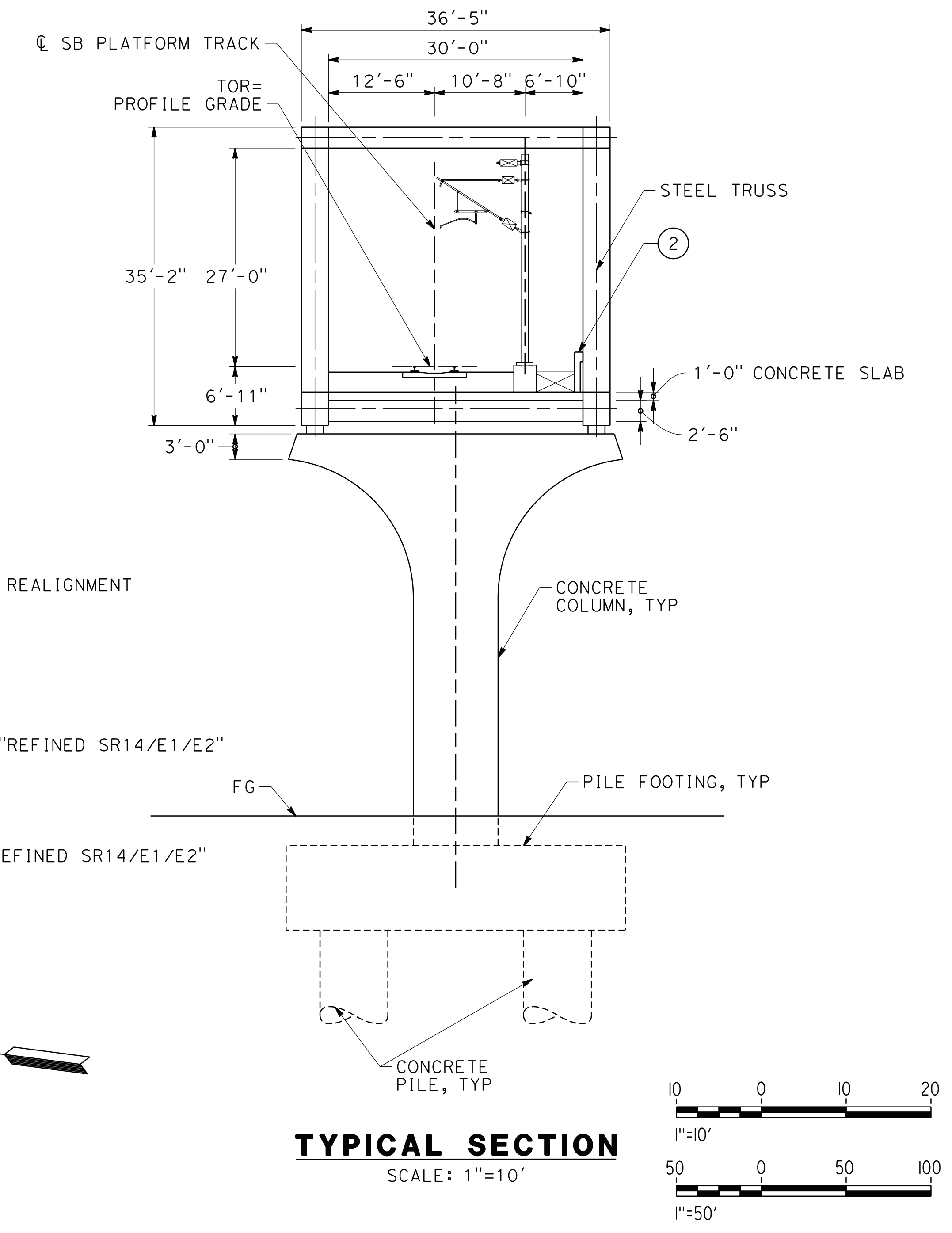
CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-J1001-S14
 SCALE
AS SHOWN
 SHEET NO.
1 OF 7

15/03/2019 10:12:52 ct:\pwworking\chsr\dms14442\PB-ST-J1002-S14.dgn



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. LÓPEZ

CHECKED BY
J. REVOLTÓS

IN CHARGE
A. RELANO

DATE
02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
SIERRA HWY UNDERPASS (SB PLATFORM TRACK) VIADUCT
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1002-S14

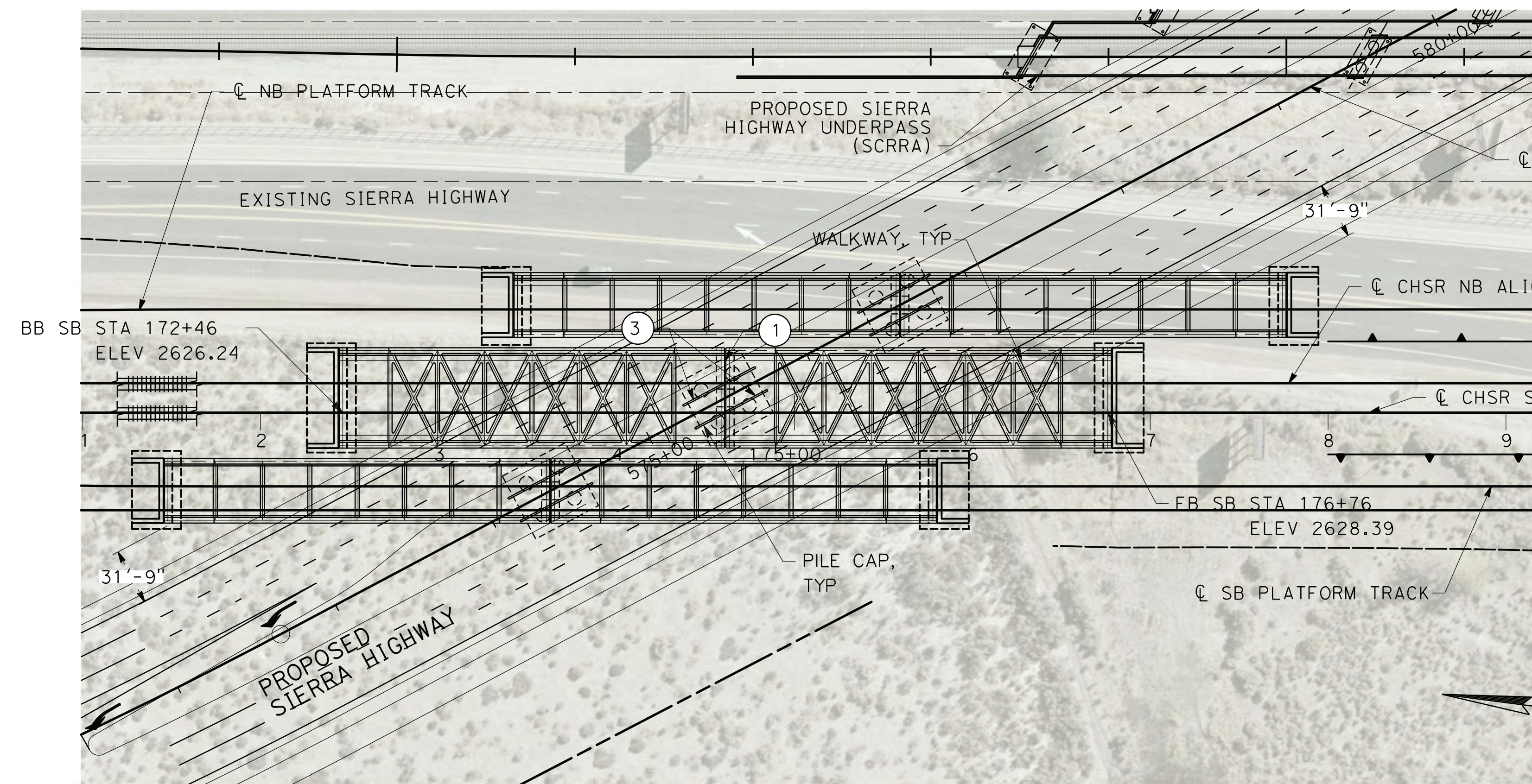
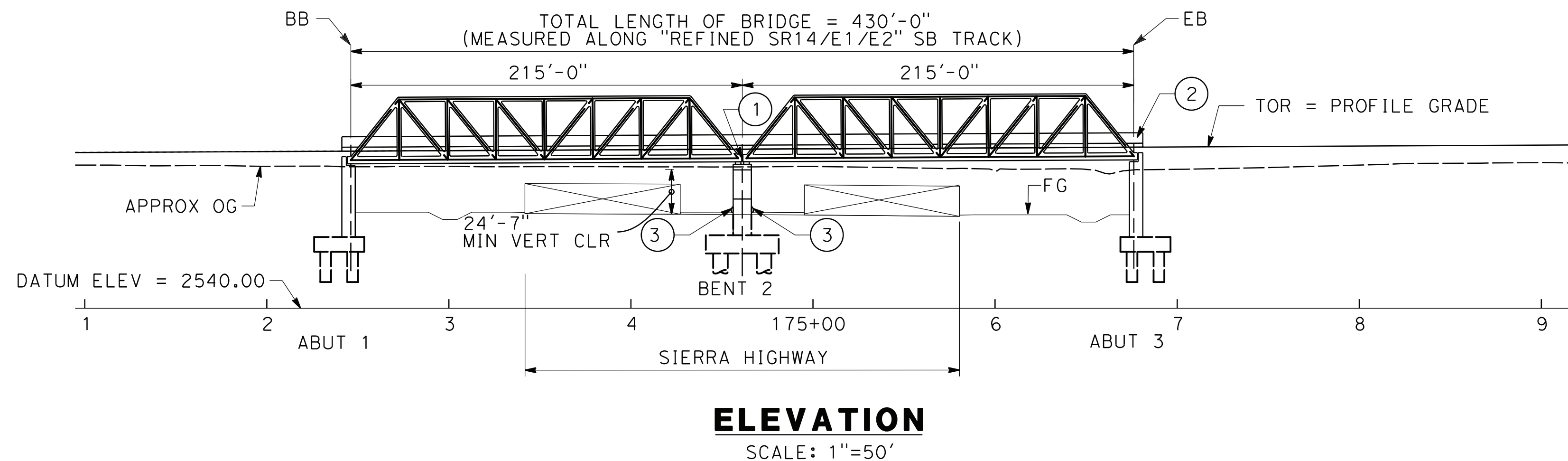
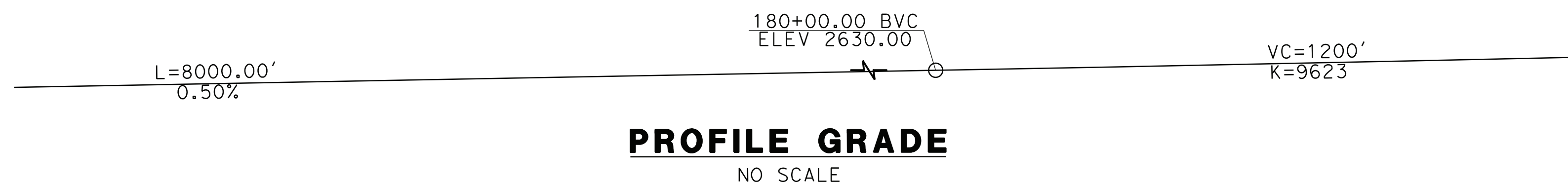
SCALE
AS SHOWN

SHEET NO.
2 OF 7

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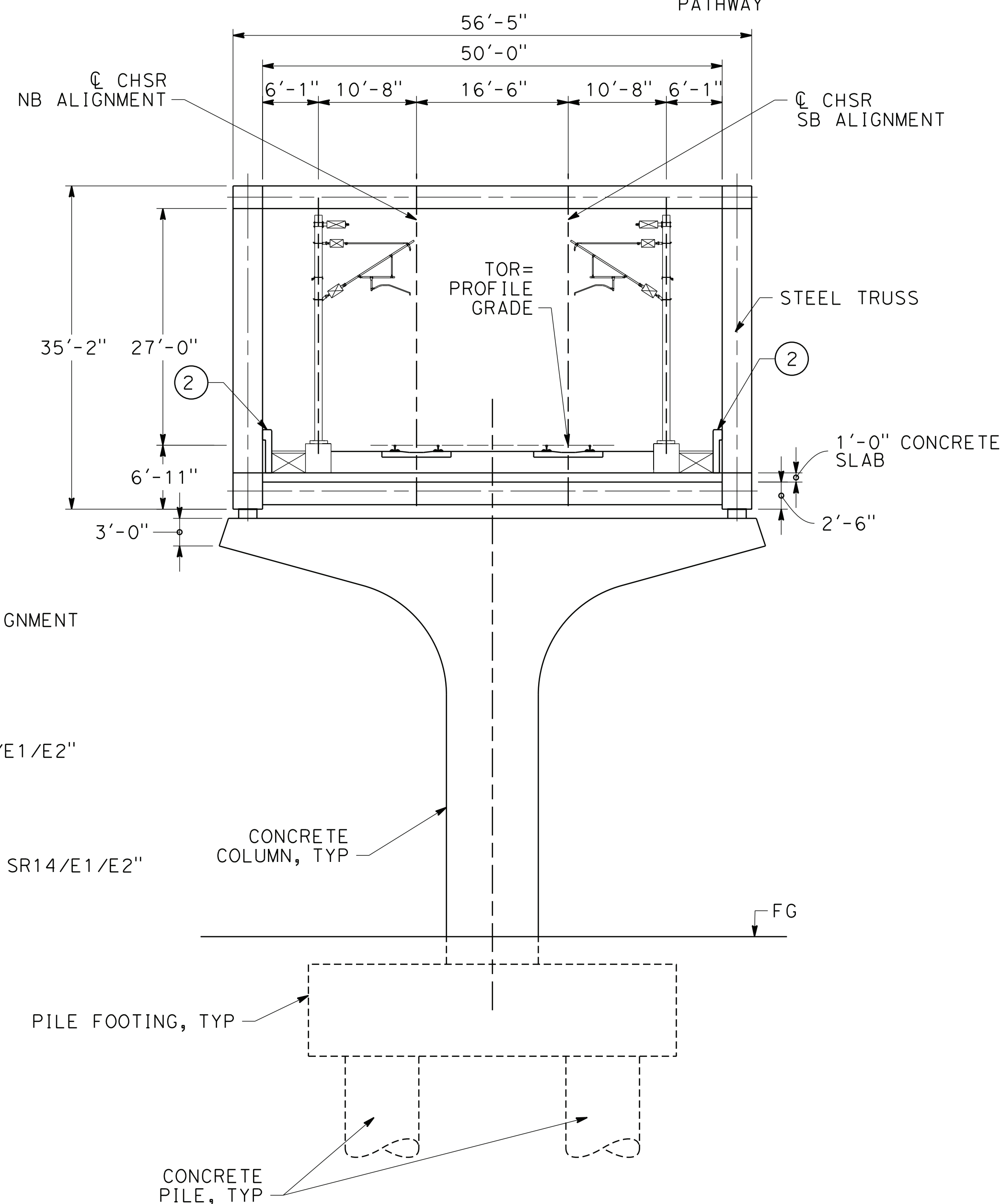
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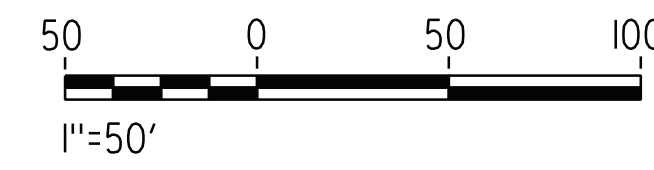
PLAN
SCALE: 1"=50'

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'



REV	DATE	BY	CHK	APP	DESCRIPTION

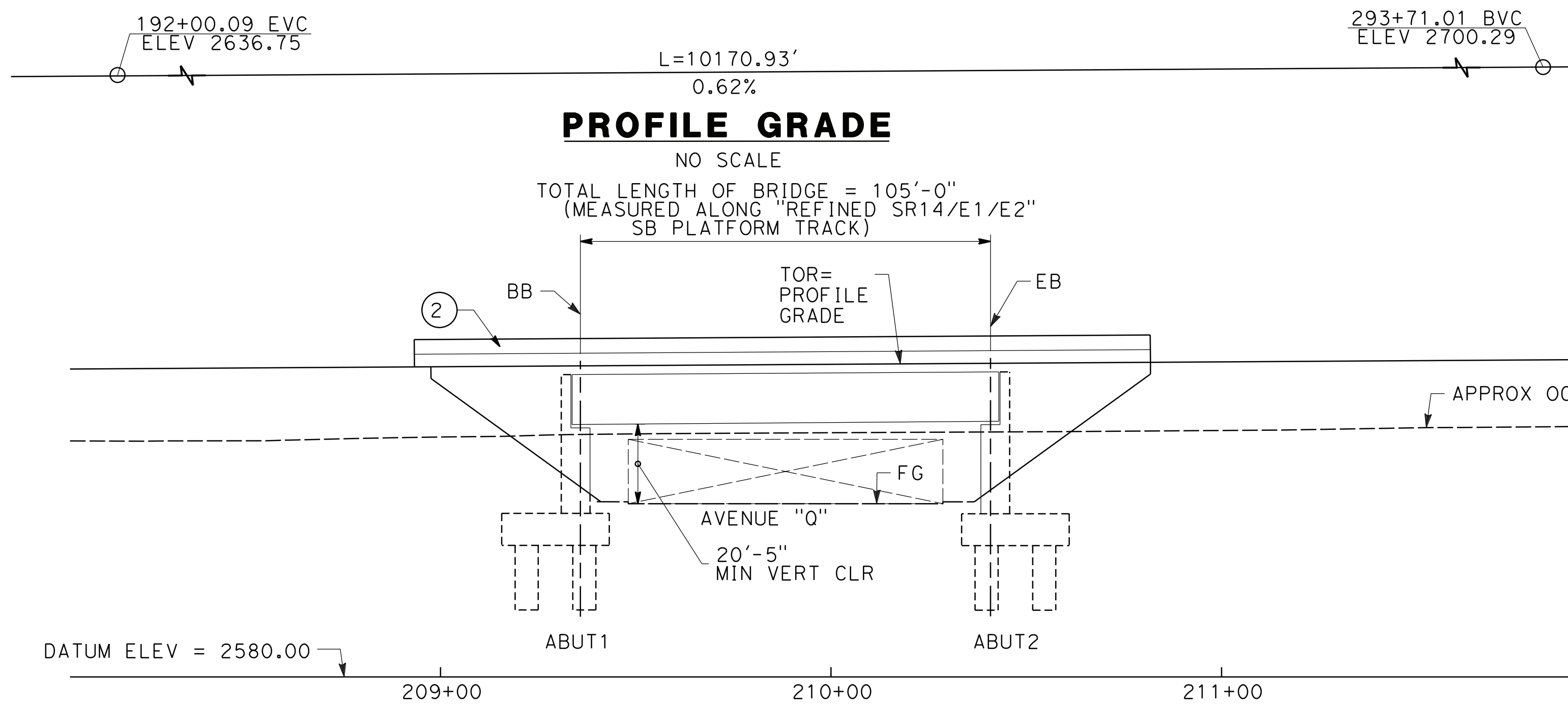
DESIGNED BY
A. MOLINA
DRAWN BY
J. LÓPEZ
CHECKED BY
J. REVOLTÓS
IN CHARGE
A. RELANO
DATE
02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
SIERRA HWY UNDERPASS (MAIN TRACKS) VIADUCT
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1003-S14
SCALE
AS SHOWN
SHEET NO.
3 OF 7



PROFILE GRADE

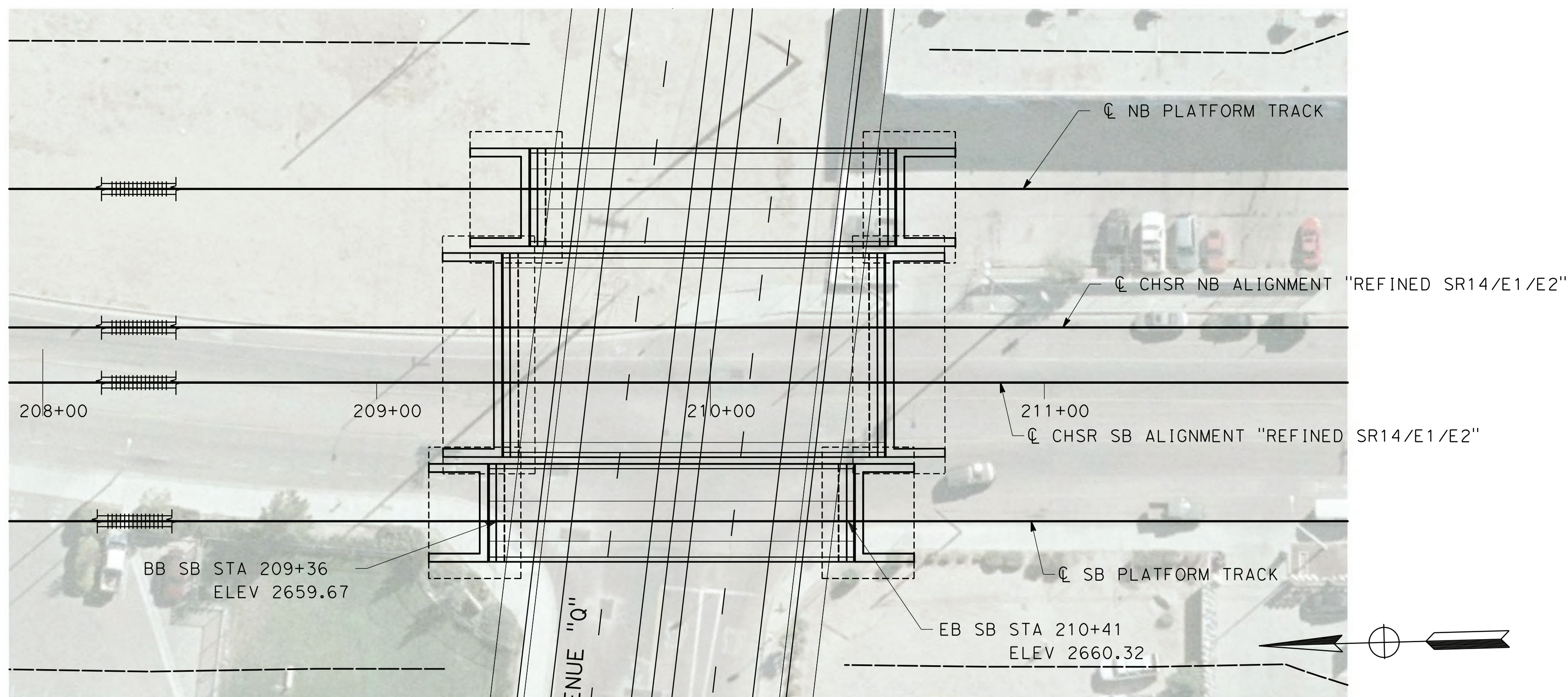
NO SCALE

TOTAL LENGTH OF BRIDGE = 105'-0"
(MEASURED ALONG "REFINED SR14/E1/E2"
SB PLATFORM TRACK)

DATUM ELEV = 2580.00
209+00 210+00 211+00

ELEVATION

SCALE: 1"=25'



PLAN

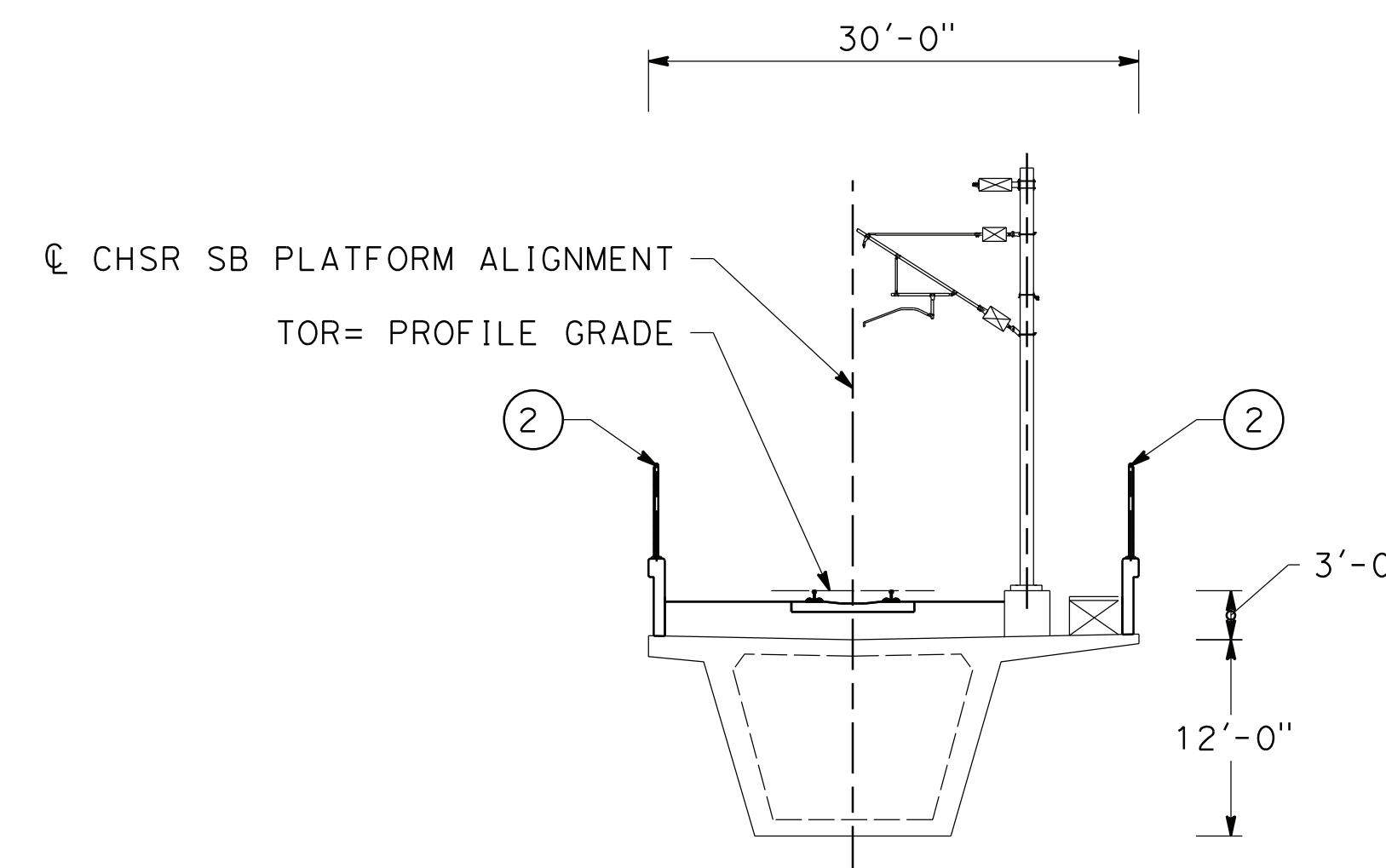
SCALE: 1"=25'

NOTE:

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

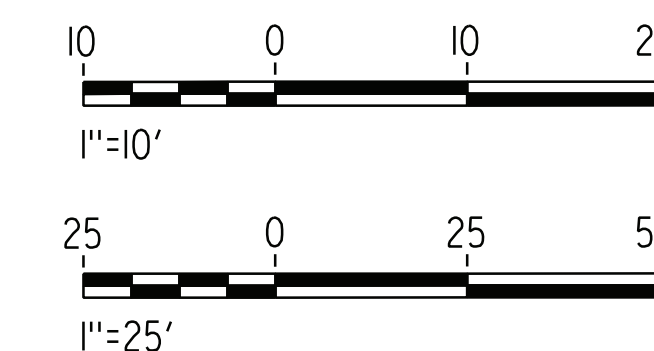
LEGEND:

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



TYPICAL SECTION

SCALE: 1"=10'



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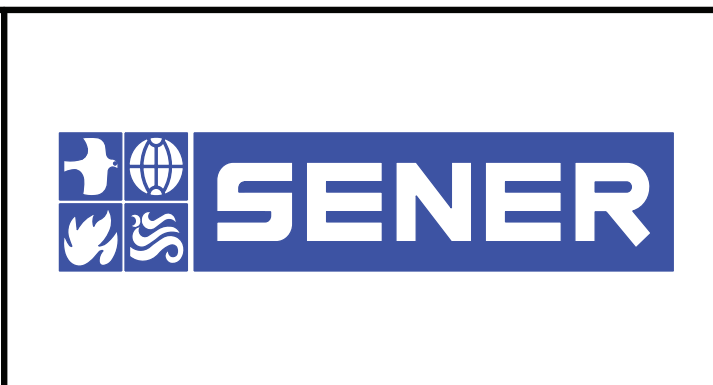
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0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

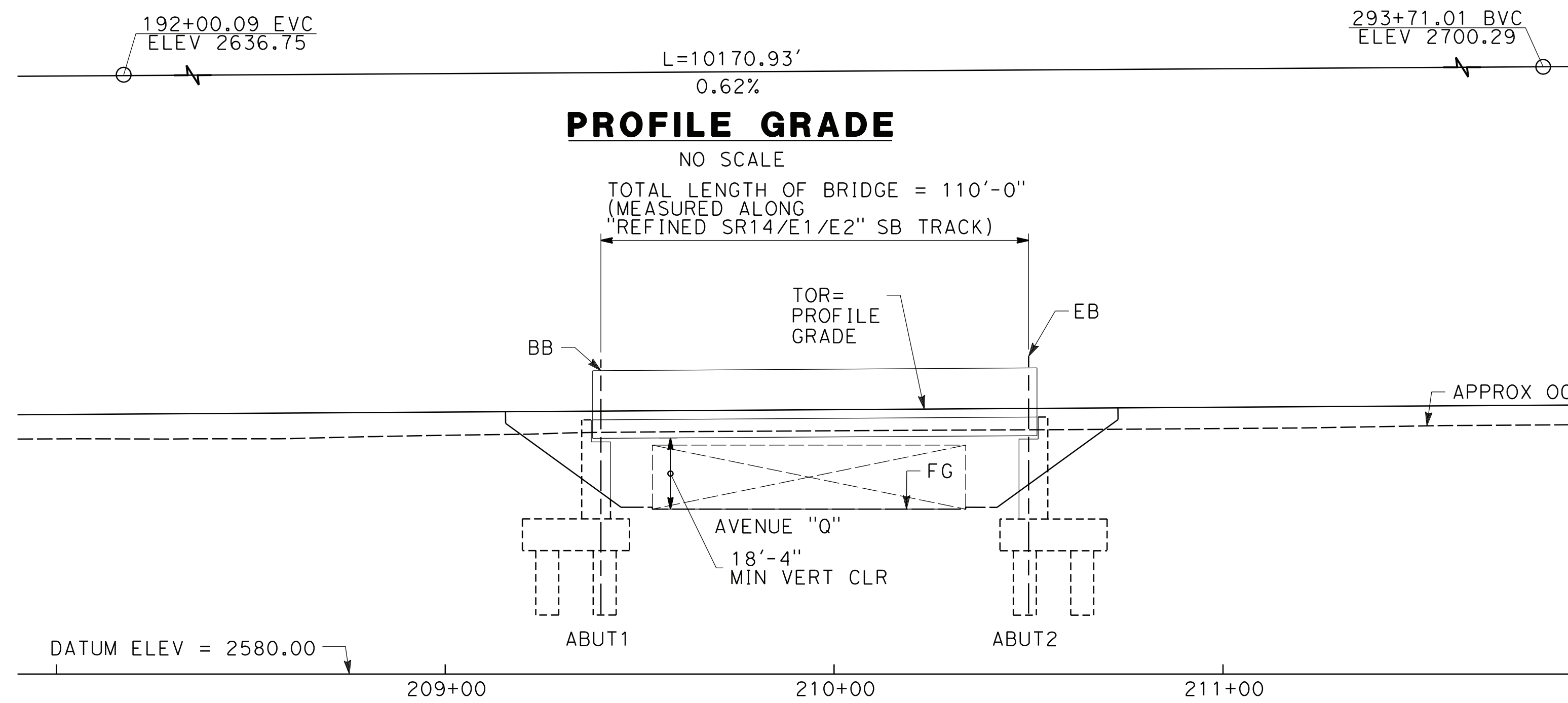
DESIGNED BY A. MOLINA
DRAWN BY J. LÓPEZ
CHECKED BY J. REVOLTÓS
IN CHARGE A. RELANO
DATE 02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (SB PLATFORM TRACK)
GENERAL PLAN

CONTRACT NO. HSR14-42
DRAWING NO. ST-J1005-S14
SCALE AS SHOWN
SHEET NO. 5 OF 7



PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 110'-0"
(MEASURED ALONG
"REFINED SR14/E1/E2" SB TRACK)

TOR=
PROFILE
GRADE

EB

BB

APPROX OG

AVENUE "Q"

18'-4"
MIN VERT CLR

ABUT1

ABUT2

DATUM ELEV = 2580.00

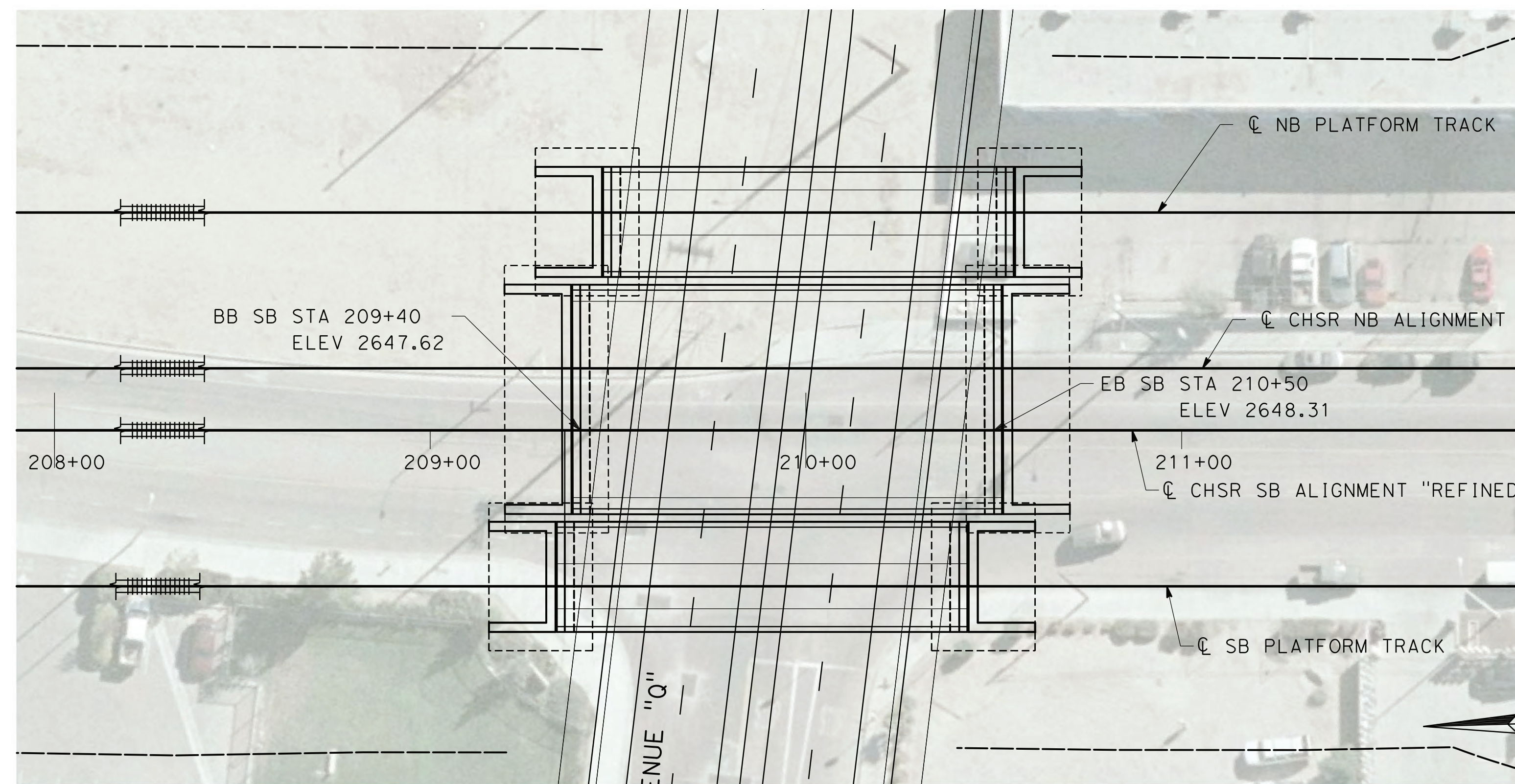
209+00

210+00

211+00

ELEVATION

SCALE: 1"=25'



PLAN

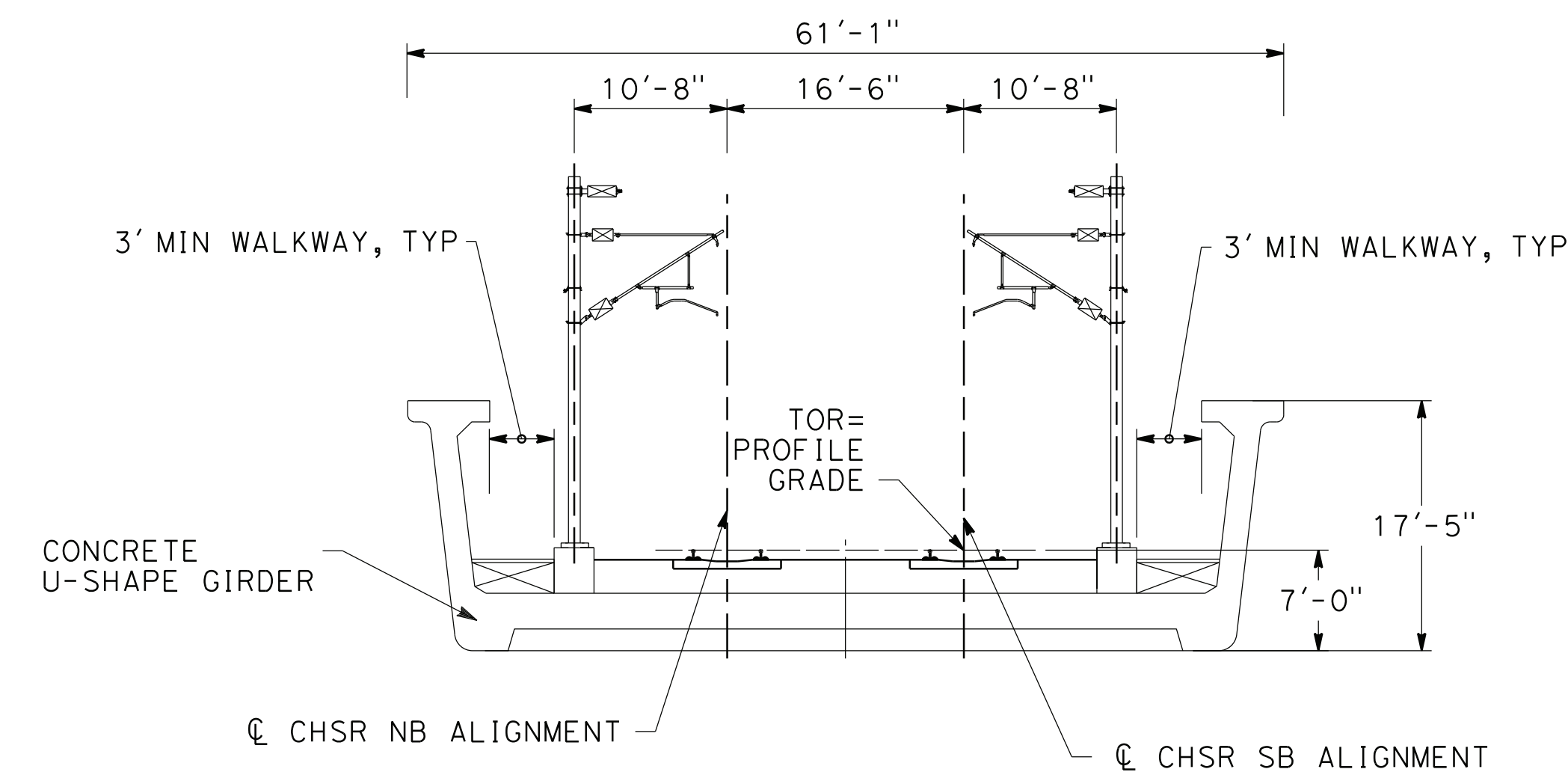
SCALE: 1"=25'

NOTE:

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

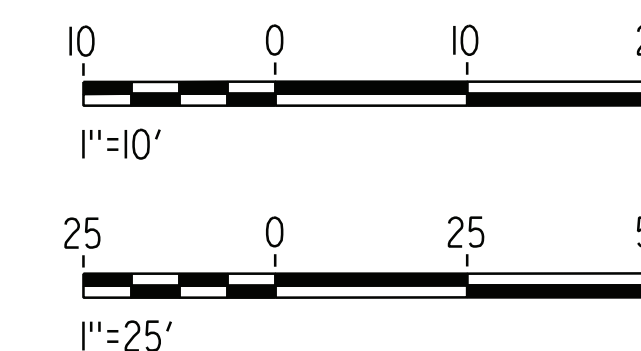
LEGEND:

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



TYPICAL SECTION

SCALE: 1"=10'



ct:\pwworking\chsr\dms14442\PB-ST-J1006-S14.dgn

15/03/2019 10:15:26

REV	DATE	BY	CHK	APP	DESCRIPTION

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

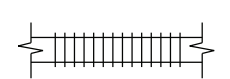
**PALMDALE
SUBSECTION**
DRAFT PEPO REV01
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (MAIN TRACK)
GENERAL PLAN

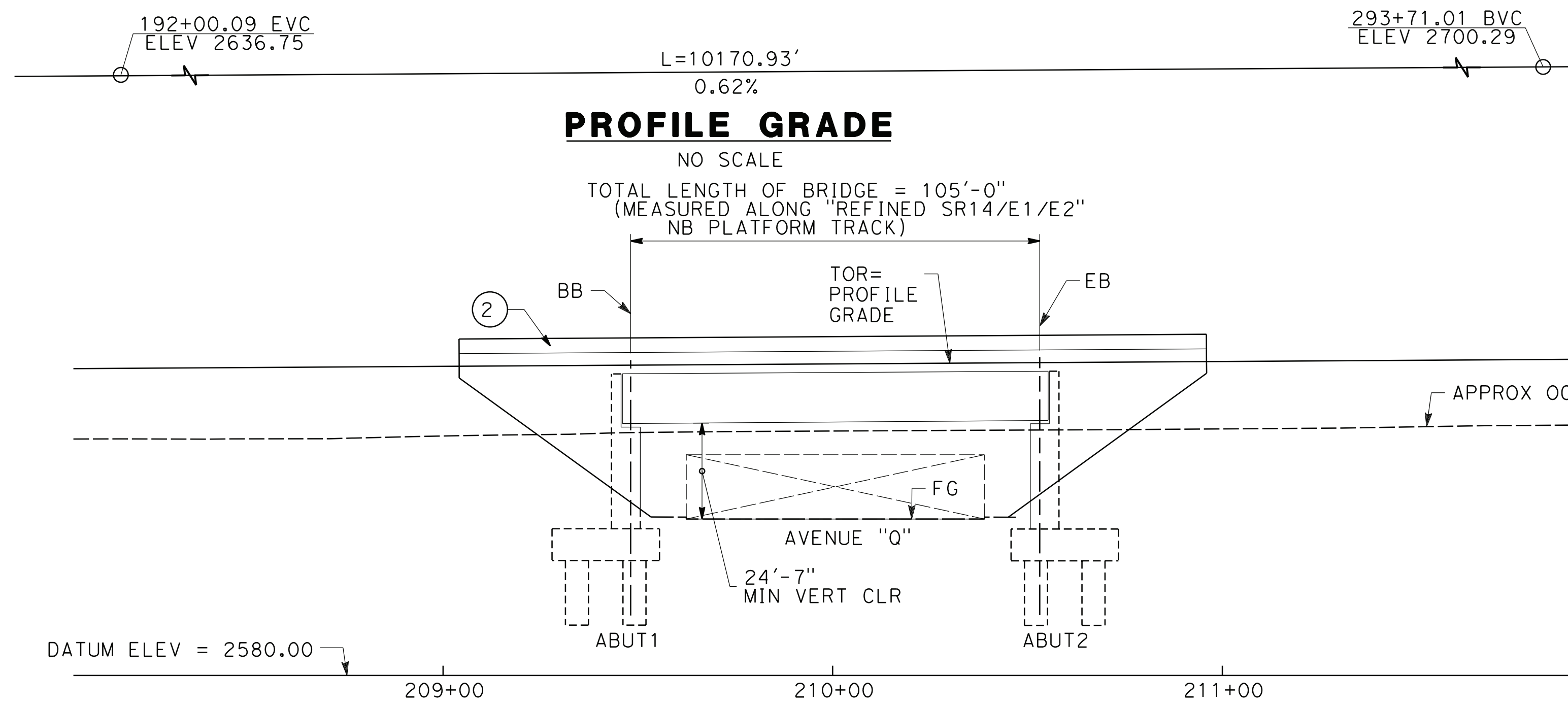
CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1006-S14
SCALE
AS SHOWN
SHEET NO.
6 OF 7

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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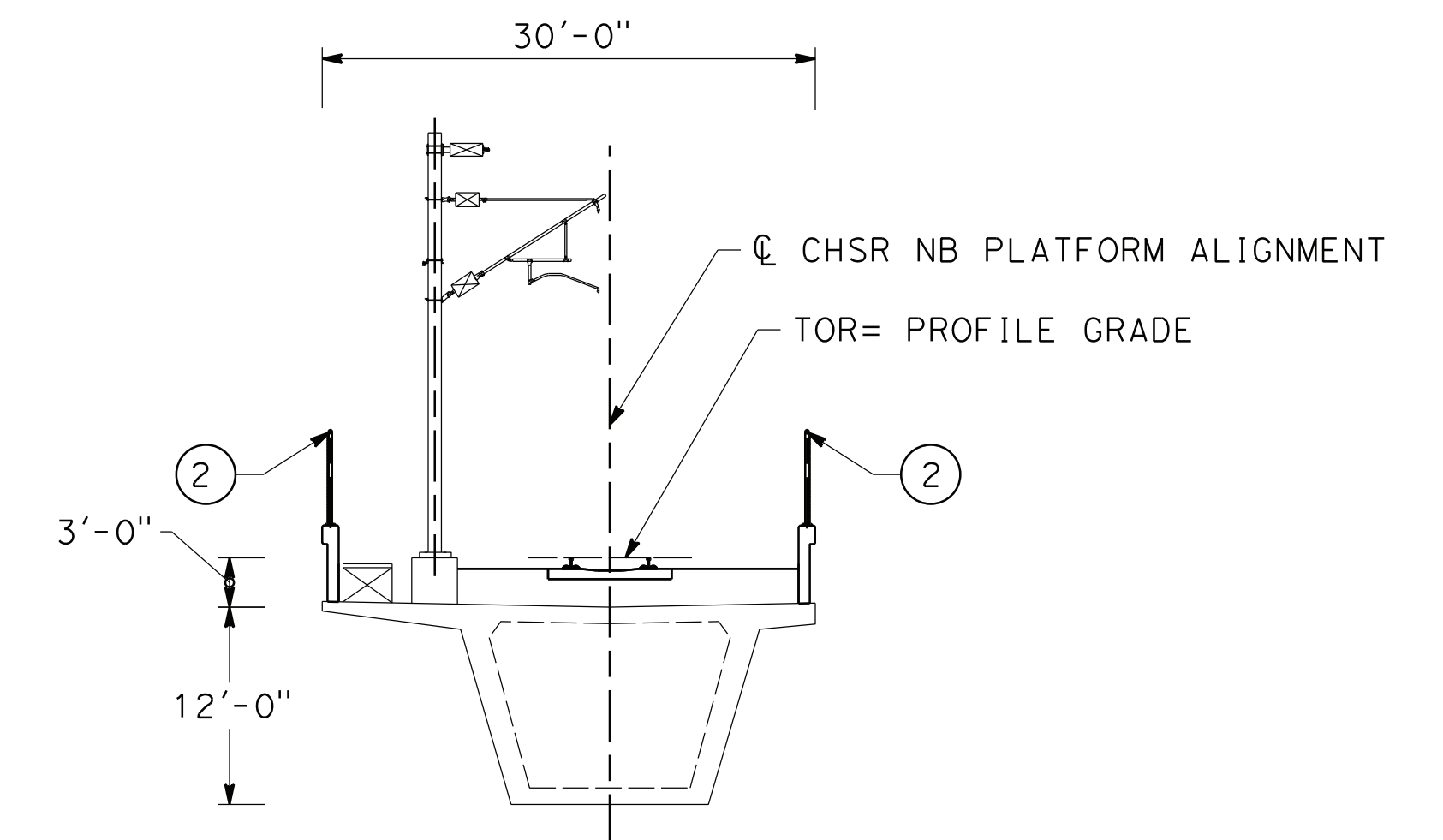
PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 105'-0"
(MEASURED ALONG "REFINED SR14/E1/E2"
NB PLATFORM TRACK)

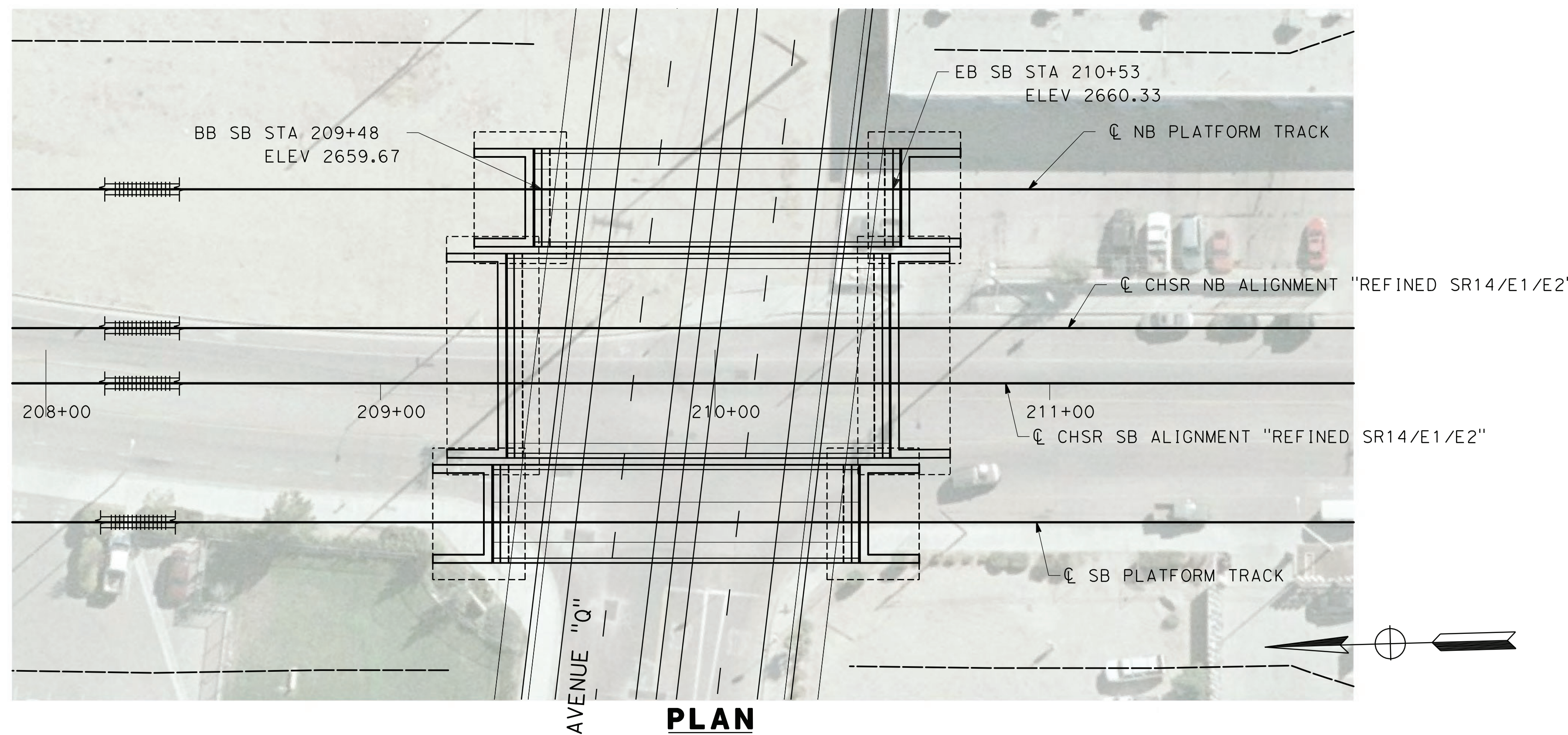
ELEVATION

SCALE: 1"=25'



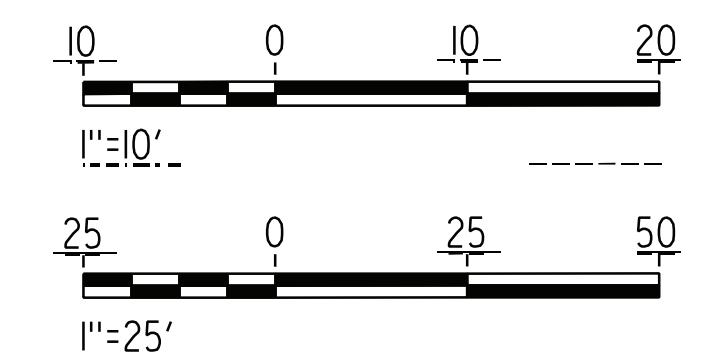
TYPICAL SECTION

SCALE: 1"=10'



PLAN

SCALE: 1"=25'



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15/03/2019 10:15:51

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PALMDALE
SUBSECTION**

DRAFT PEPD REV01

**NOT FOR
CONSTRUCTION**

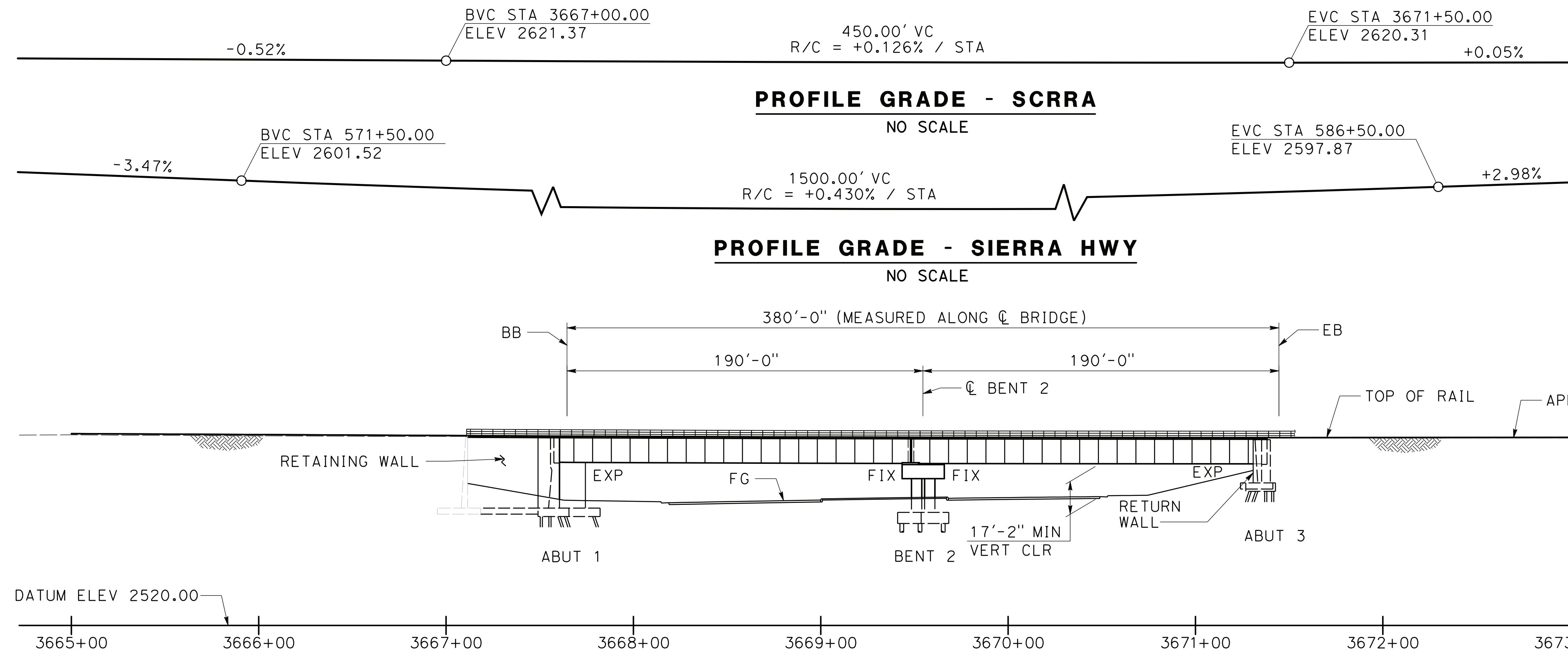


CALIFORNIA HIGH-SPEED RAIL PROJECT

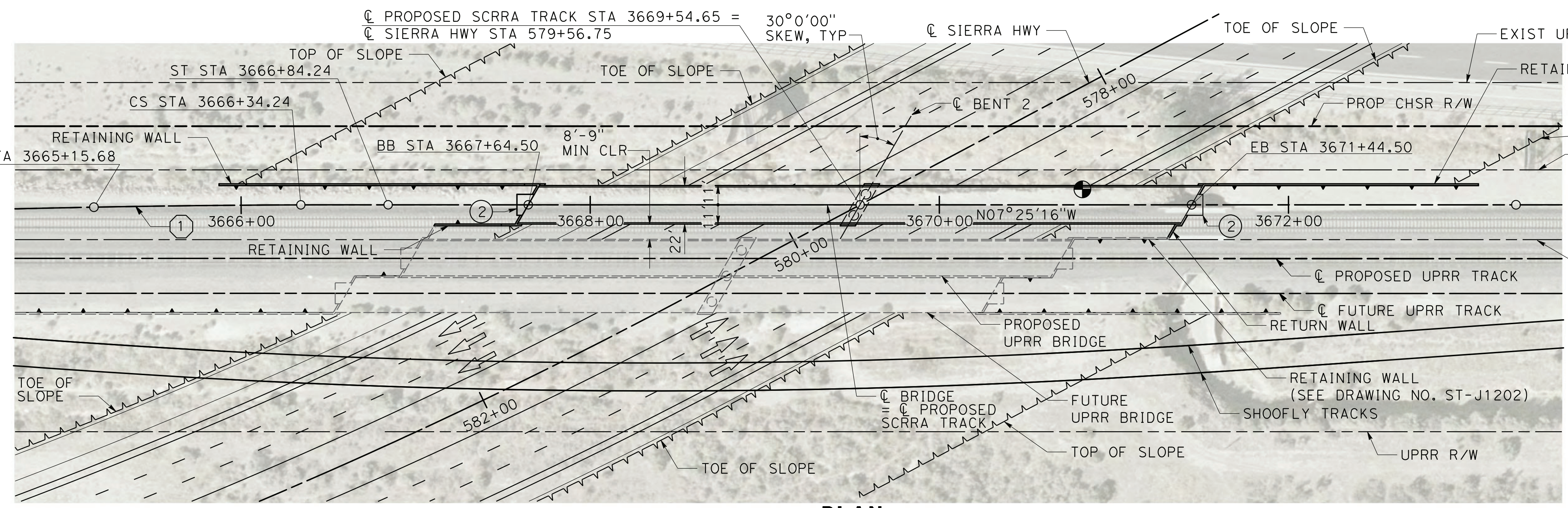
PALMDALE TO BURBANK

PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (NB PLATFORM TRACK)
GENERAL PLAN

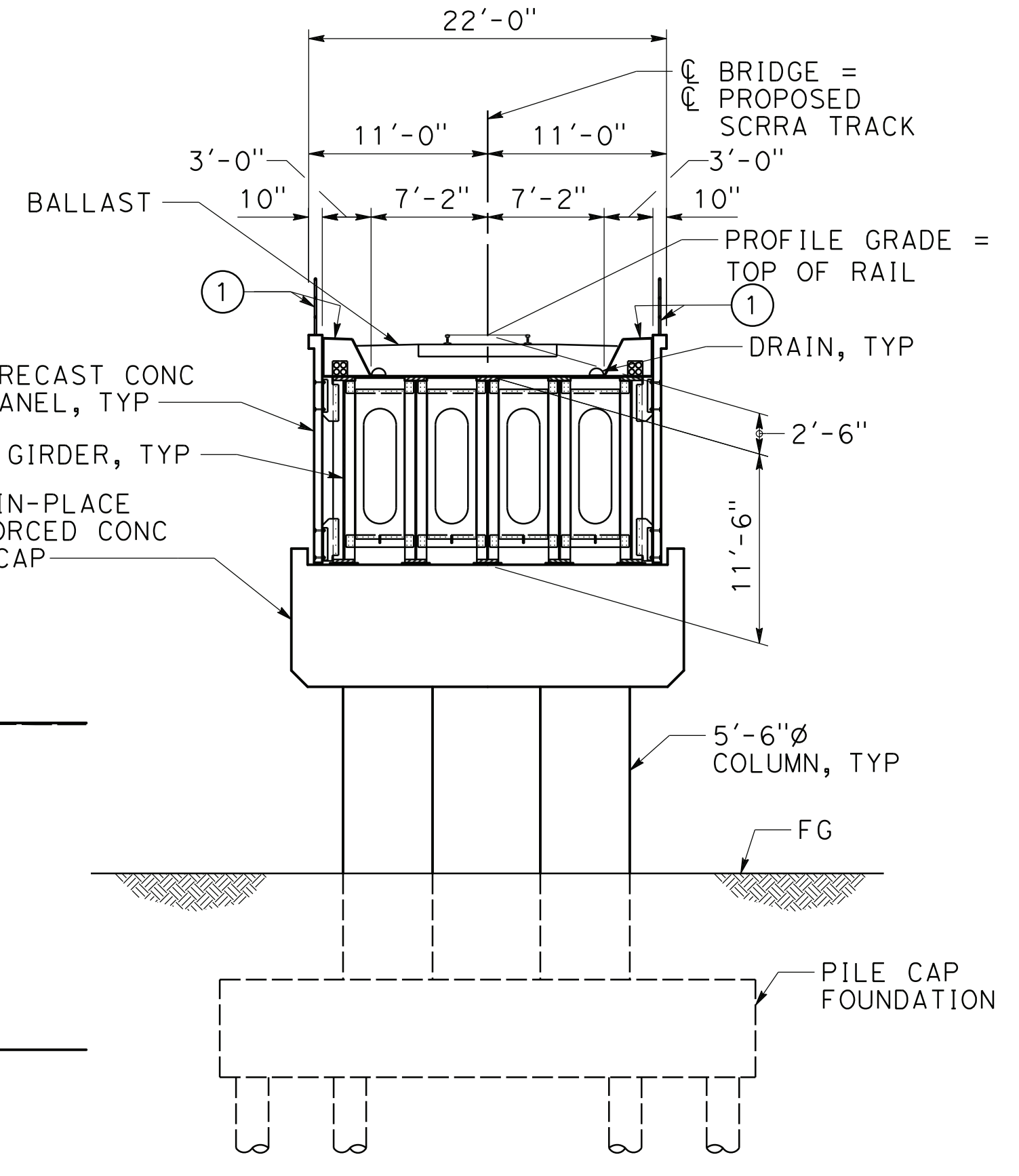
CONTRACT NO. HSR14-42
DRAWING NO. ST-J1007-S14
SCALE AS SHOWN
SHEET NO. 7 OF 7



ELEVATION
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'



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

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

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



15/03/2019 10:16:14 ct:\pwork\king\chsr\dms14442\PB-ST-J1201-S14.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

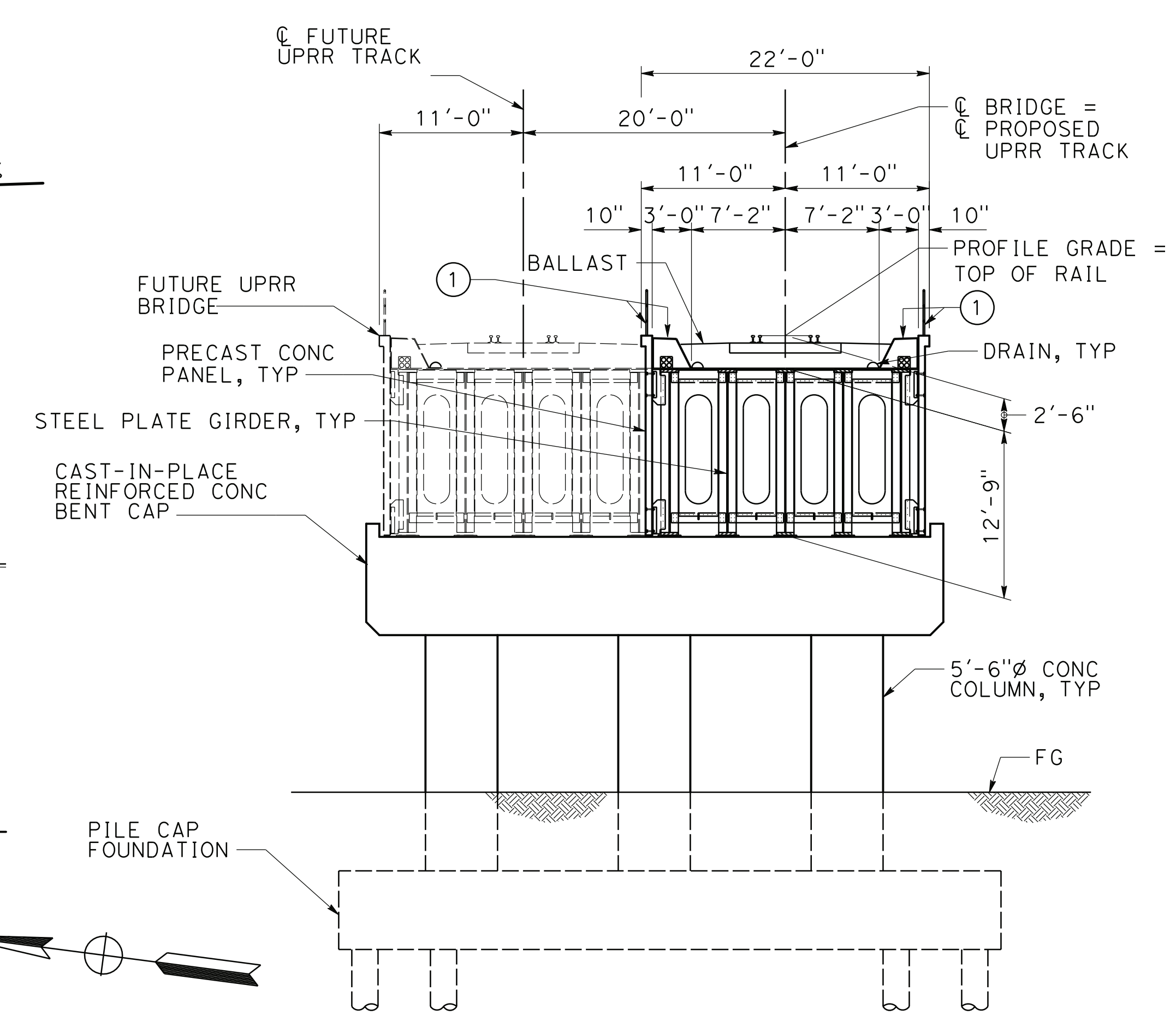
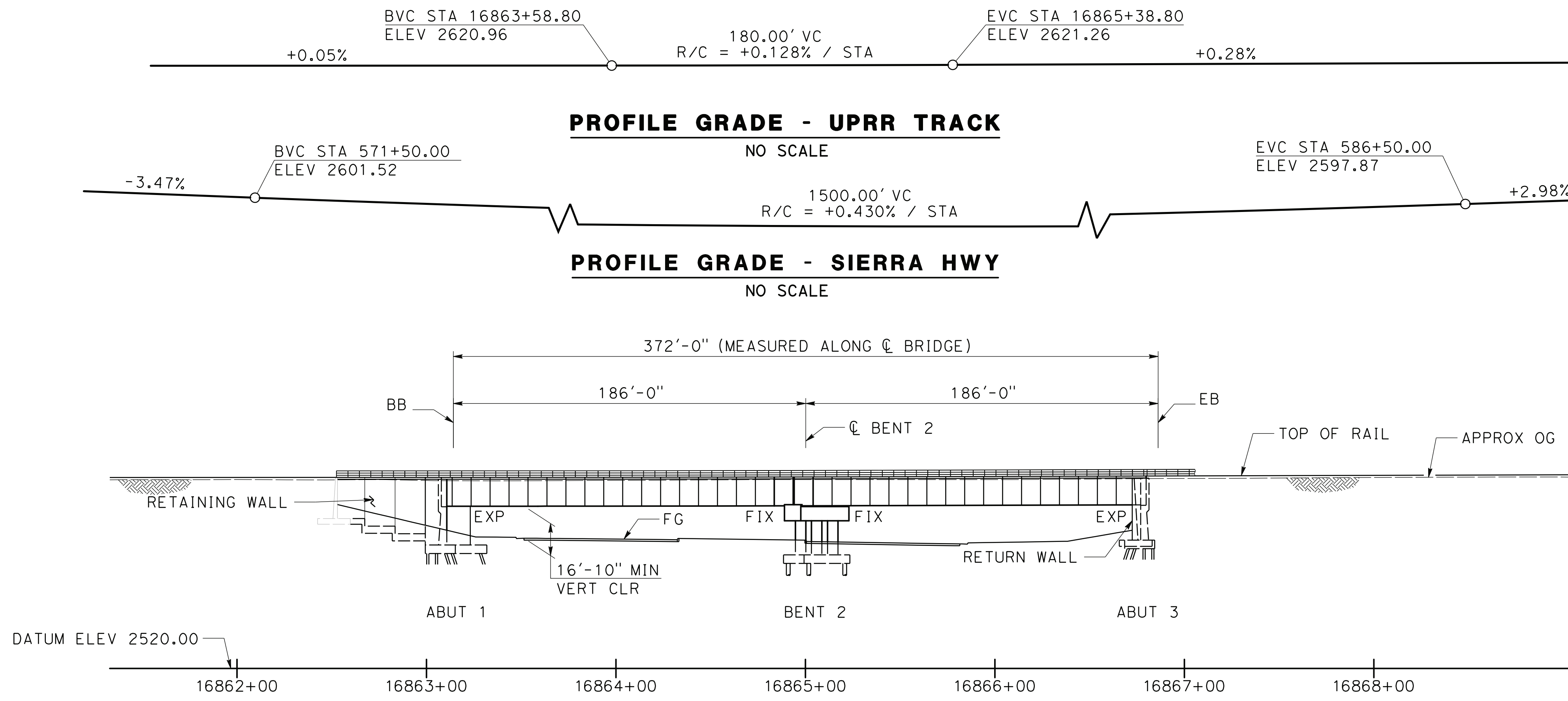
DESIGNED BY
A. MOLINA
DRAWN BY
J. LÓPEZ
CHECKED BY
J. REVOLTÓS
IN CHARGE
A. RELANO
DATE
02/01/2019

PALMDALE SUBSECTION
DRAFT PEPP REV01
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
SIERRA HWY UNDERPASS (SCRR)
GENERAL PLAN

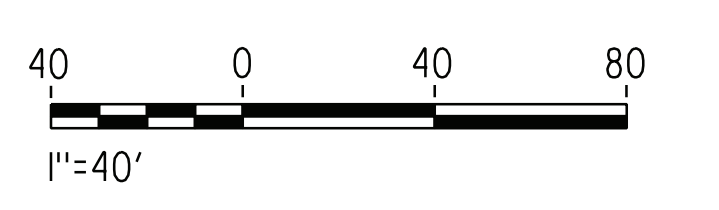
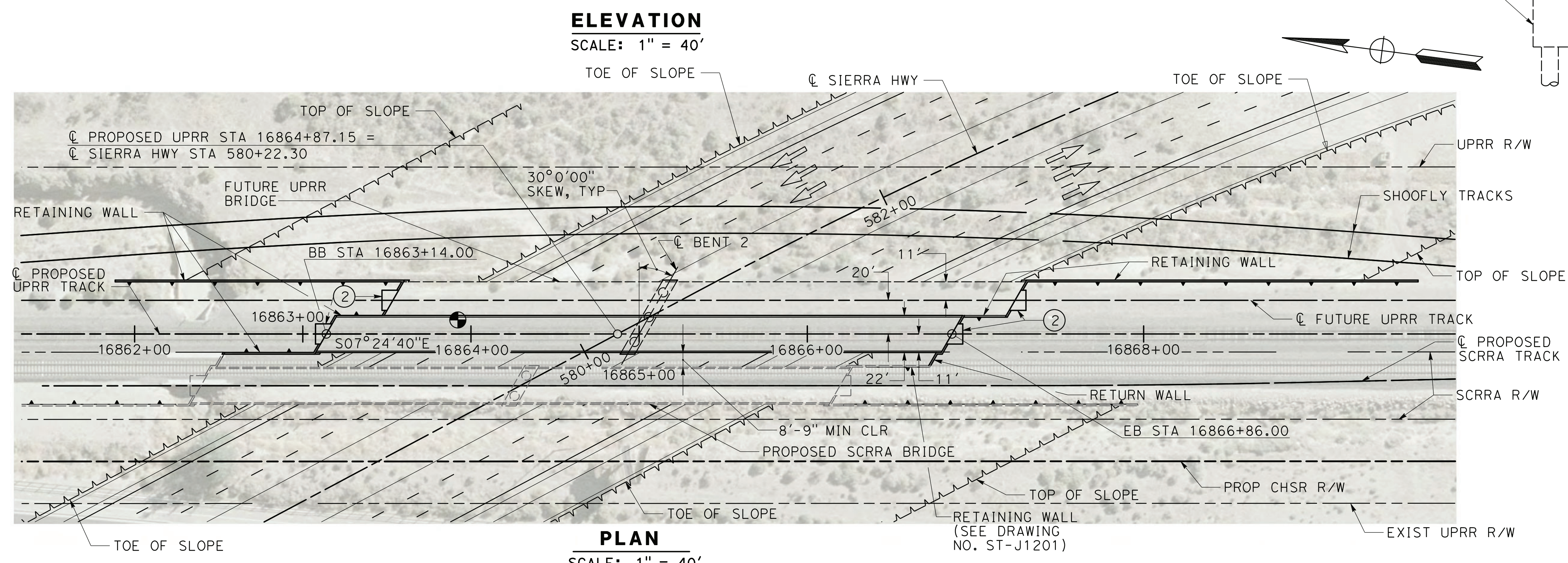
CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1201-S14
SCALE
AS SHOWN
SHEET NO.
1 OF 5



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

LEGEND:

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



ct:\pwworking\chsr\dms14442\PB-ST-J1202-S14.dgn

15/03/2019 10:16:31

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LÓPEZ

CHECKED BY
J. REVOLTÓS

IN CHARGE
A. RELANO

DATE
02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

ALIGNMENT "REFINED SR14/E1/E2"

SIERRA HWY UNDERPASS (UPRR)

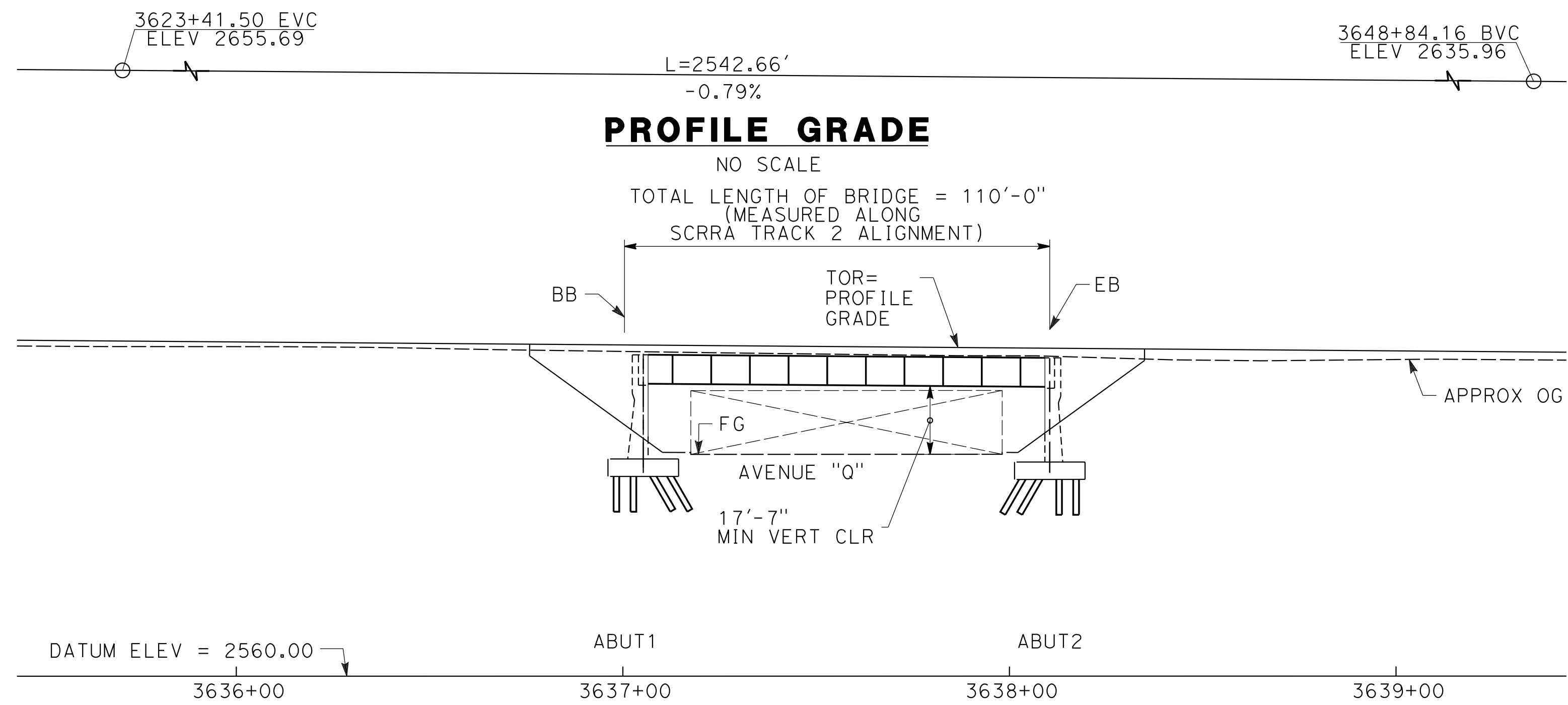
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1202-S14

SCALE
AS SHOWN

SHEET NO.
2 OF 5



PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 110'-0"
(MEASURED ALONG
SCRR TRACK 2 ALIGNMENT)

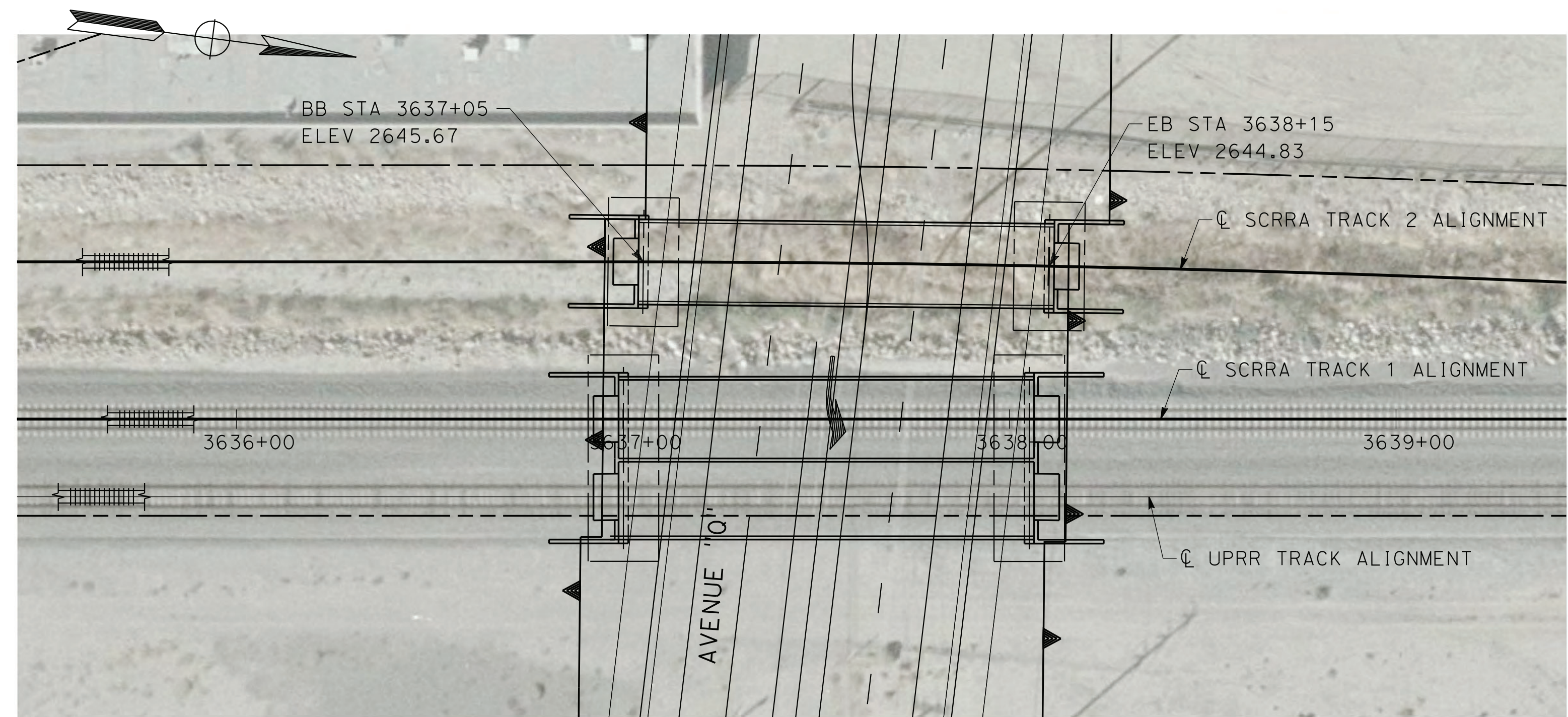
BB EB
TOR = PROFILE GRADE
FG
AVENUE "Q"
17'-7"
MIN VERT CLR

APPROX OG

DATUM ELEV = 2560.00
3636+00 3637+00 3638+00 3639+00

ELEVATION

SCALE: 1"=25'



PLAN

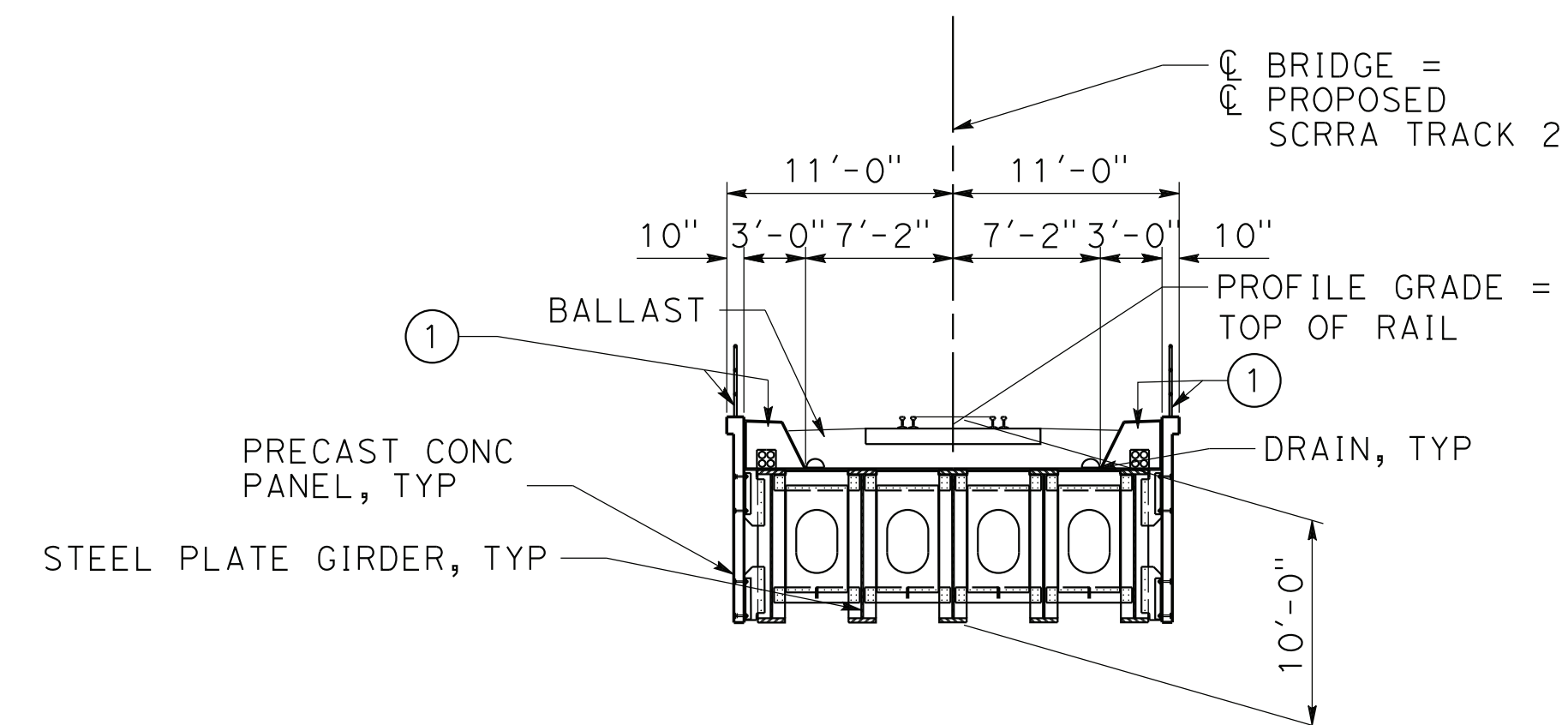
SCALE: 1"=25'

NOTE:

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

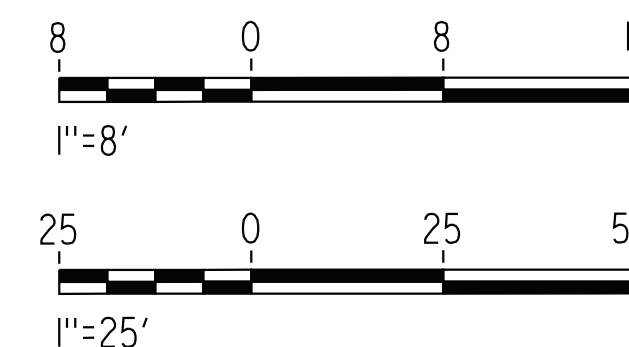
LEGEND:

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



TYPICAL SECTION

SCALE: 1"=8'



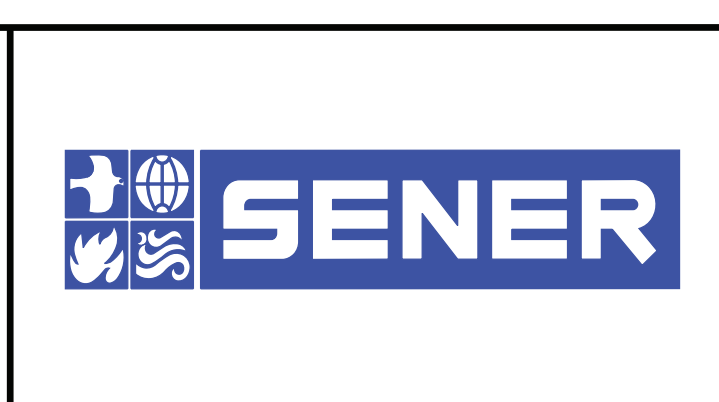
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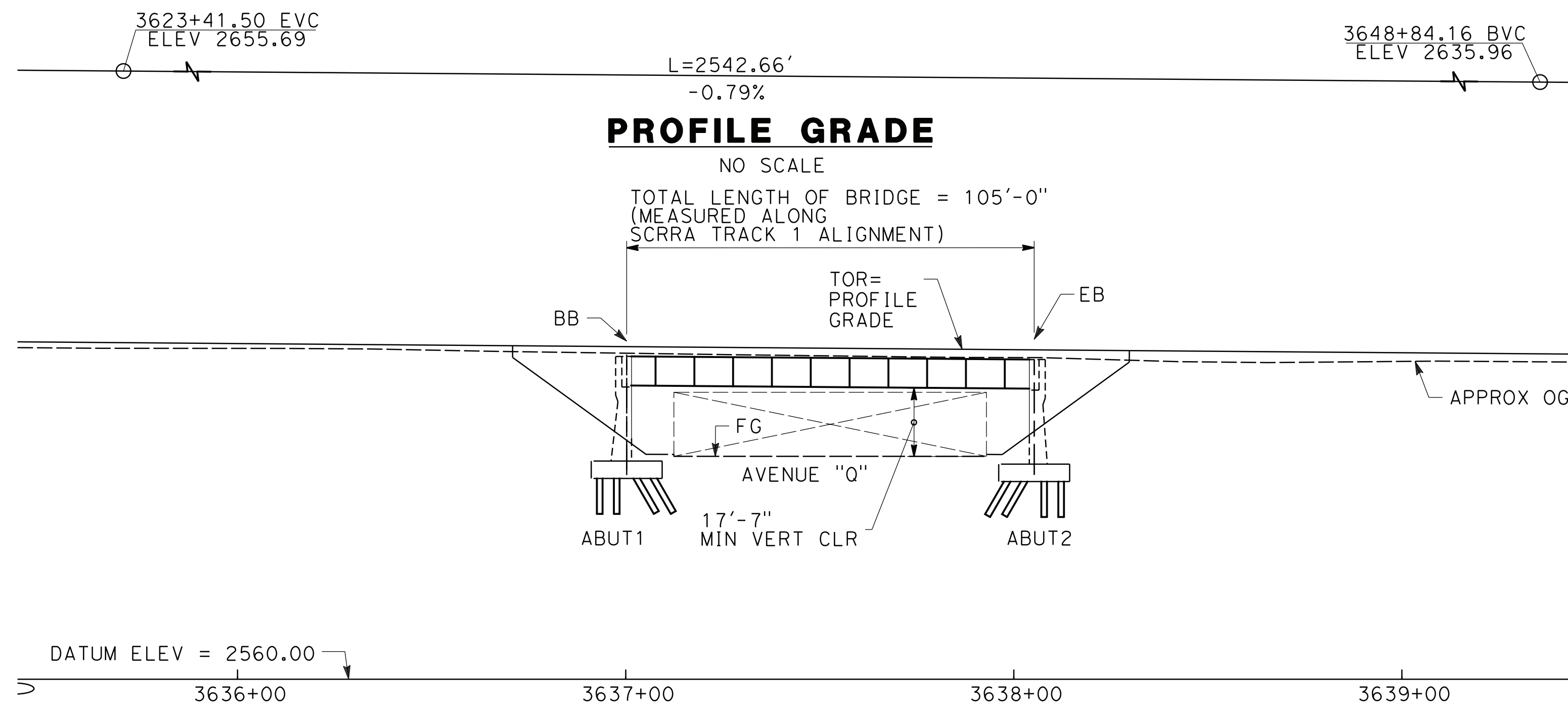
DESIGNED BY
A. MOLINA
DRAWN BY
J. LÓPEZ
CHECKED BY
J. REVOLTÓS
IN CHARGE
A. RELANO
DATE
02/01/2019

**PALMDALE
SUBSECTION**
DRAFT PEPD REV01
**NOT FOR
CONSTRUCTION**

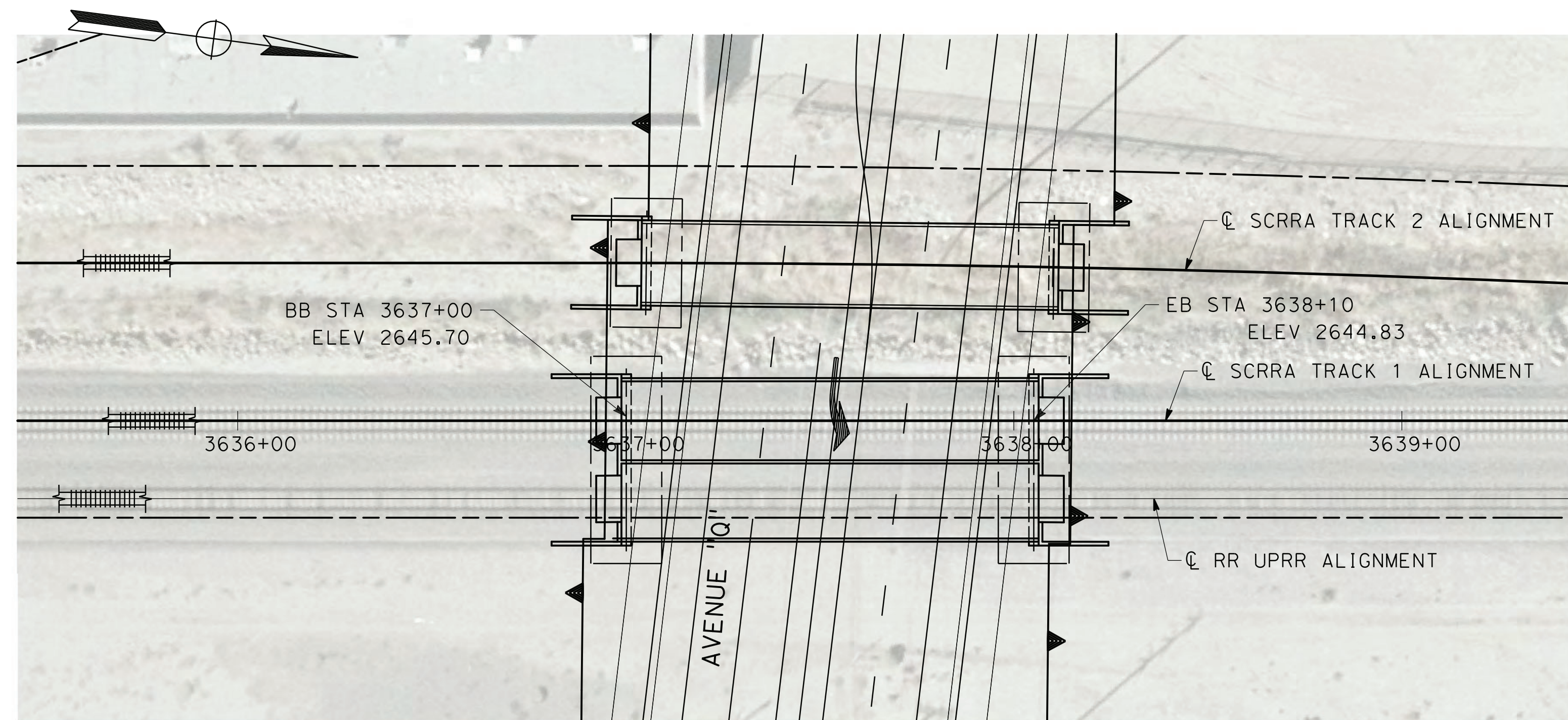


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (SCRR TRACK 2)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1203-S14
SCALE
AS SHOWN
SHEET NO.
3 OF 5



ELEVATION
SCALE: 1"=25'

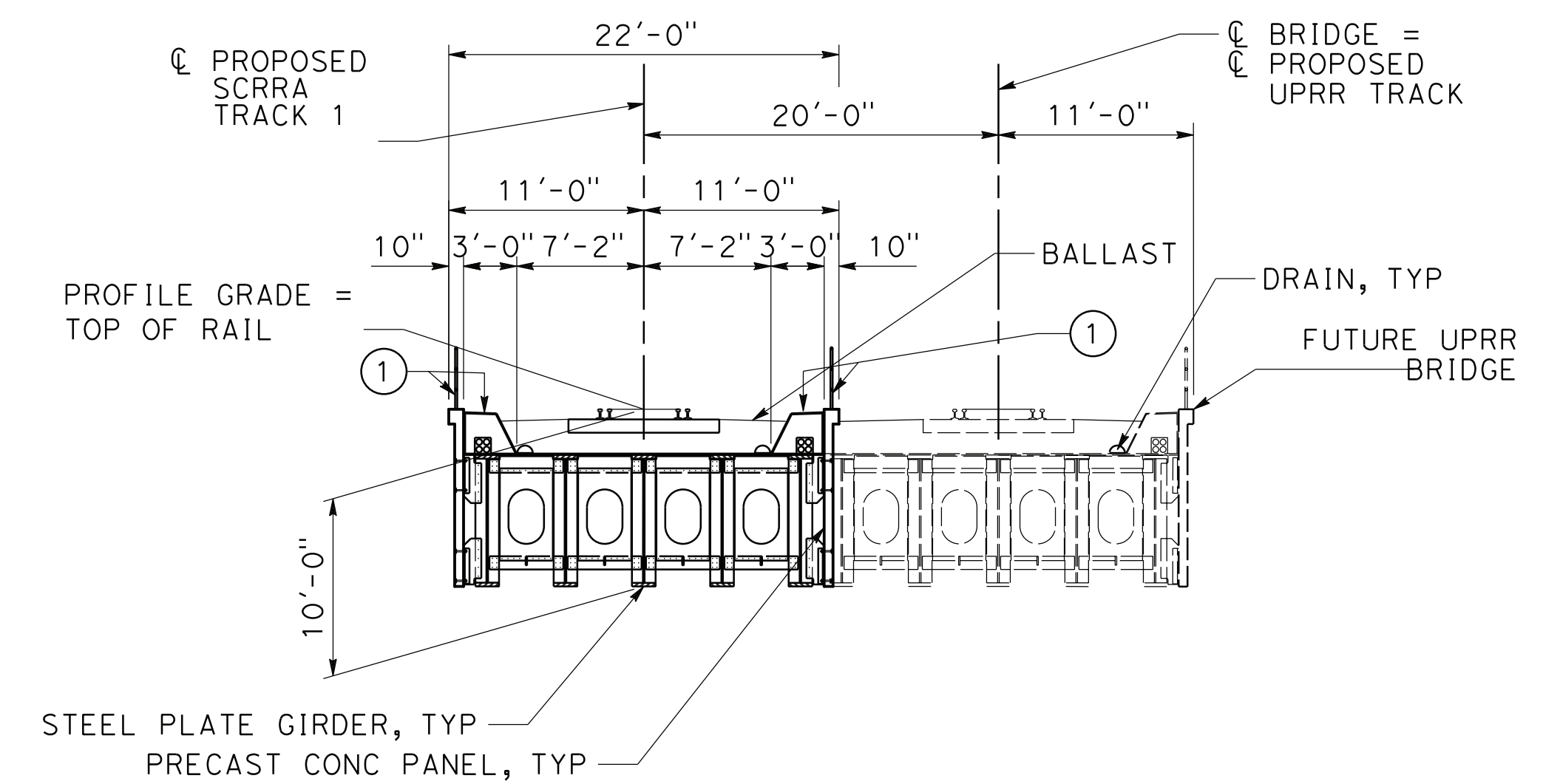


PLAN
SCALE: 1"=25'

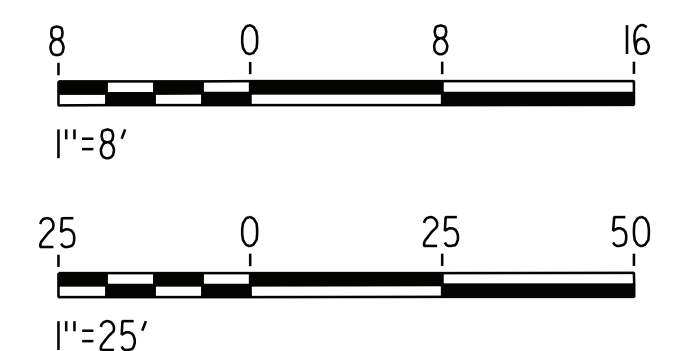
NOTE:
ALL DIMENSIONS AND SIZE OF THE ELEMENTS AT PEPD DESIGN LEVEL ARE BASED ON EXPERIENCE FOR SIMILAR STRUCTURES AND ARE CONSERVATIVE WITH RESPECT TO THE CONSIDERED FOOTPRINT. ANY FURTHER DESIGN WILL BE CARRIED OUT AS MORE DETAILED INFORMATION IS AVAILABLE. ALL RECOMMENDATIONS REGARDING THE FOUNDATION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

LEGEND:

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



TYPICAL SECTION
SCALE: 1"=8'



ct:\pwworking\chsr\dms14442\PB-ST-J1204-S14.dgn

15/03/2019 10:18:13

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. MOLINA

DRAWN BY
J. LÓPEZ

CHECKED BY
J. REVOLTÓS

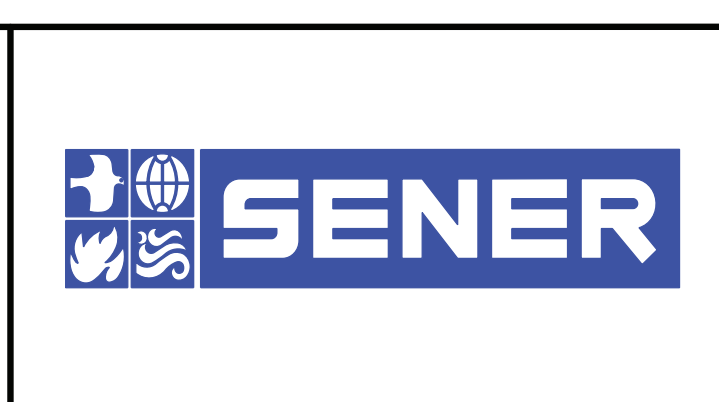
IN CHARGE
A. RELAÑO

DATE
02/01/2019

**PALMDALE
SUBSECTION**

DRAFT PEPD REV01

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK

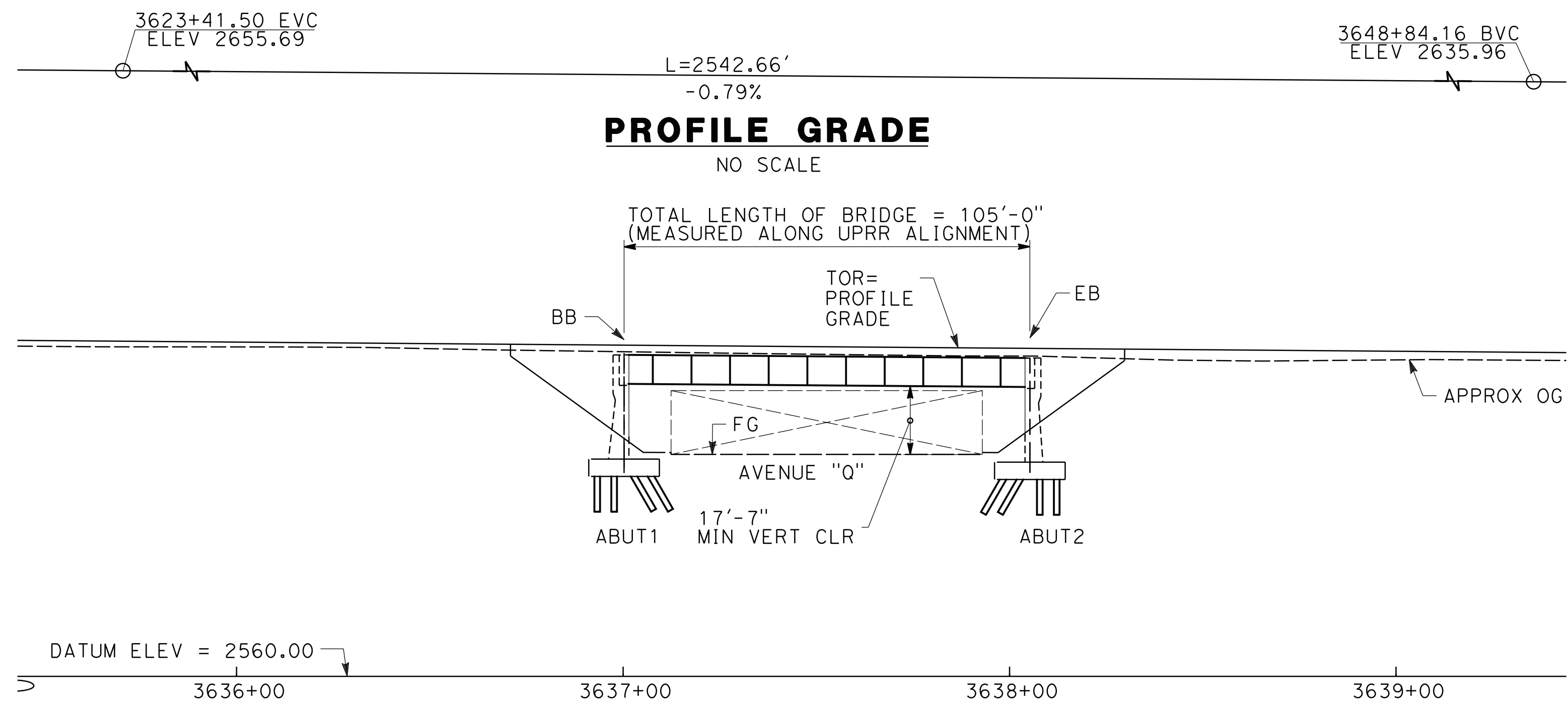
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (SCRRRA TRACK 1)
GENERAL PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
ST-J1204-S14

SCALE
AS SHOWN

SHEET NO.
4 OF 5



PROFILE GRADE

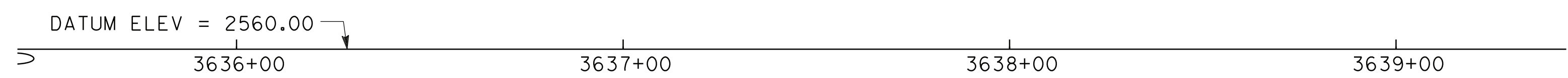
NO SCALE

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

TOR =
PROFILE
GRADE

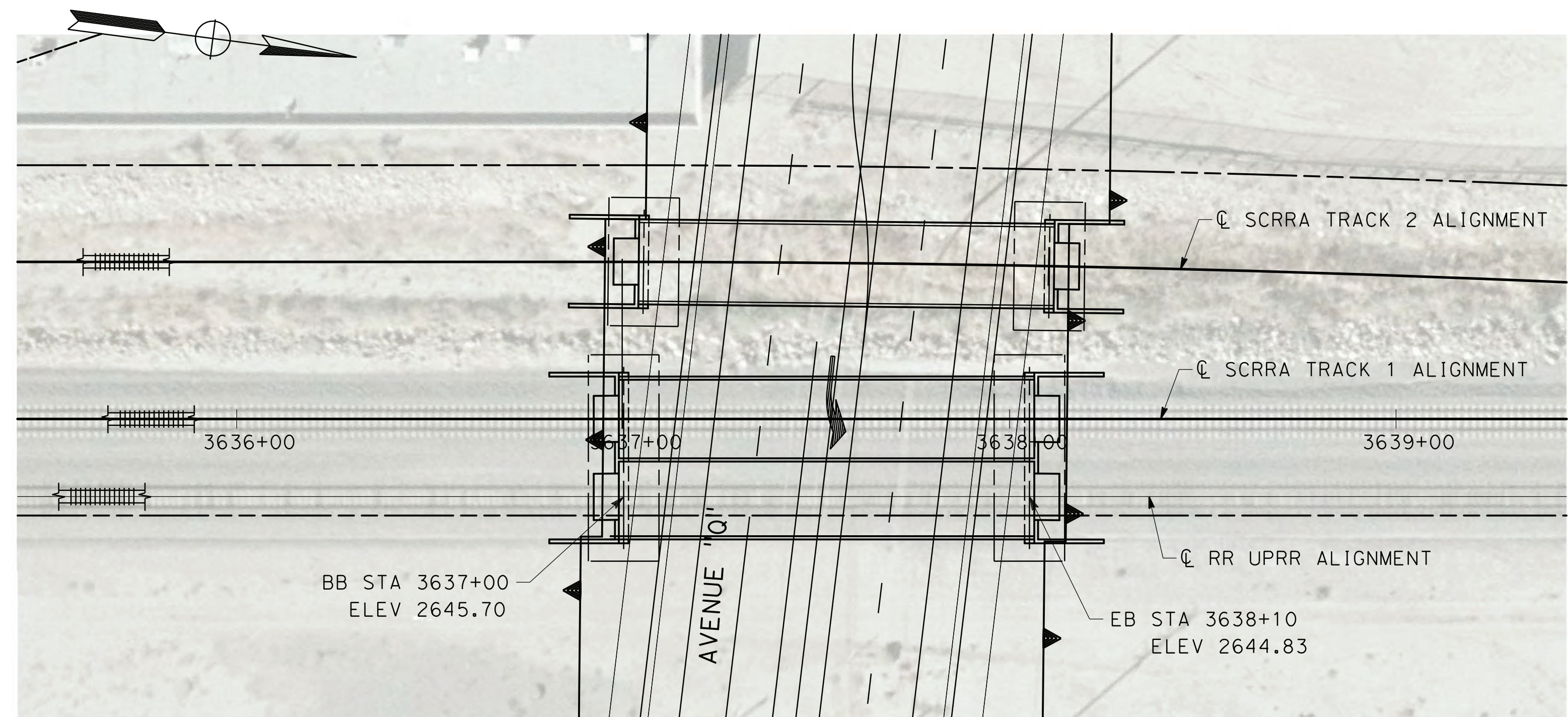
AVENUE "Q"

17'-7"
MIN VERT CLR



ELEVATION

SCALE: 1"=25'



PLAN

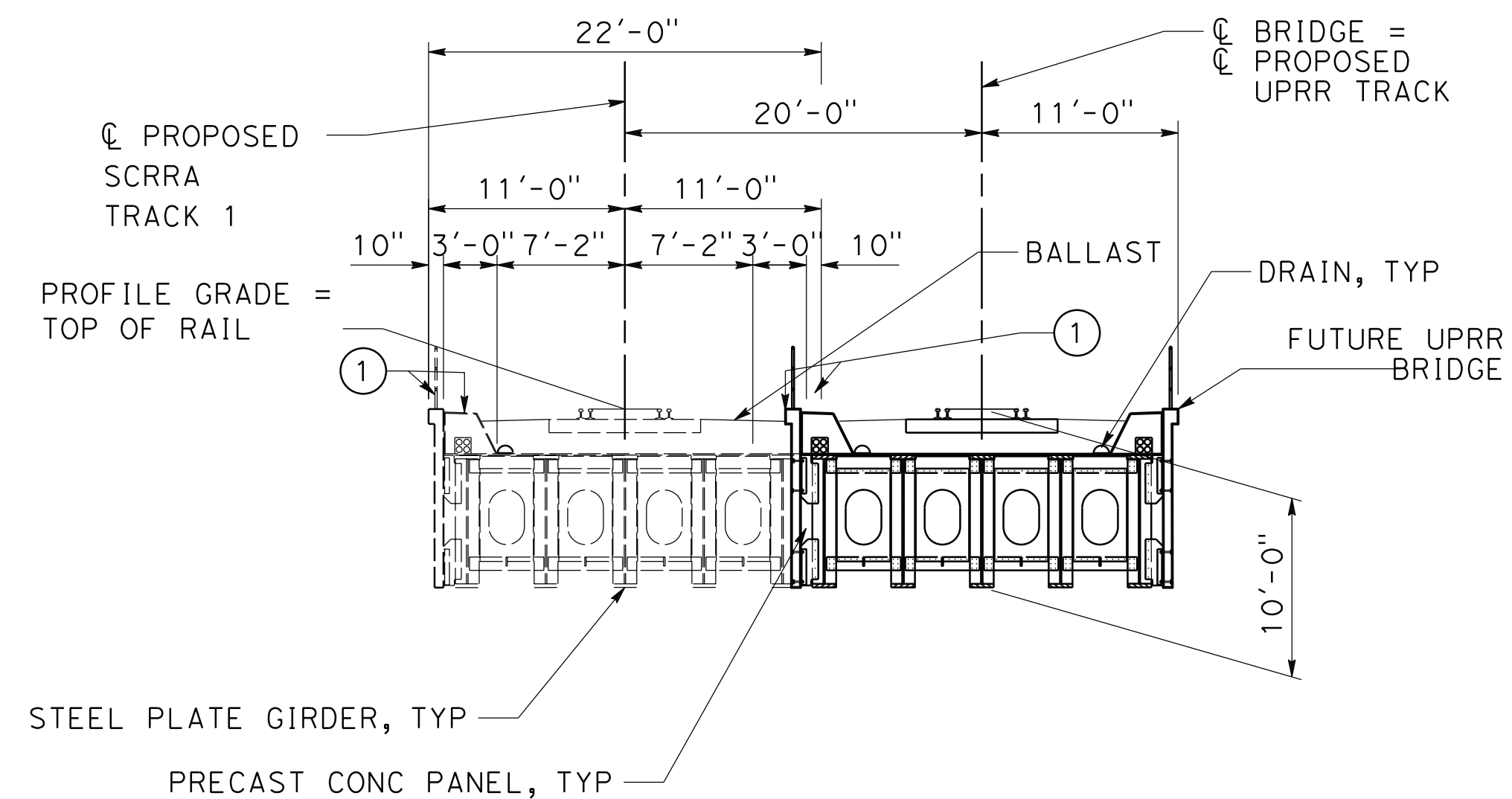
SCALE: 1"=25'

NOTE:

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

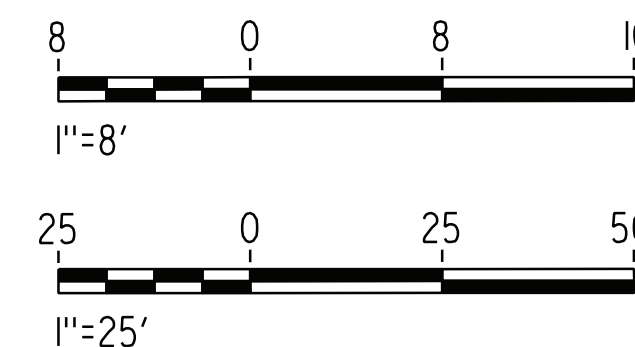
LEGEND:

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



TYPICAL SECTION

SCALE: 1"=8'



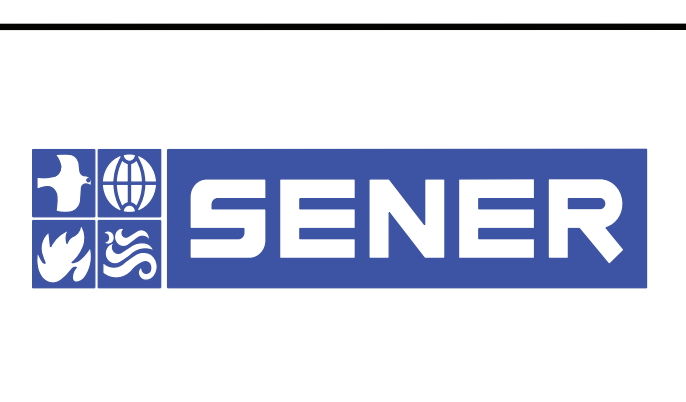
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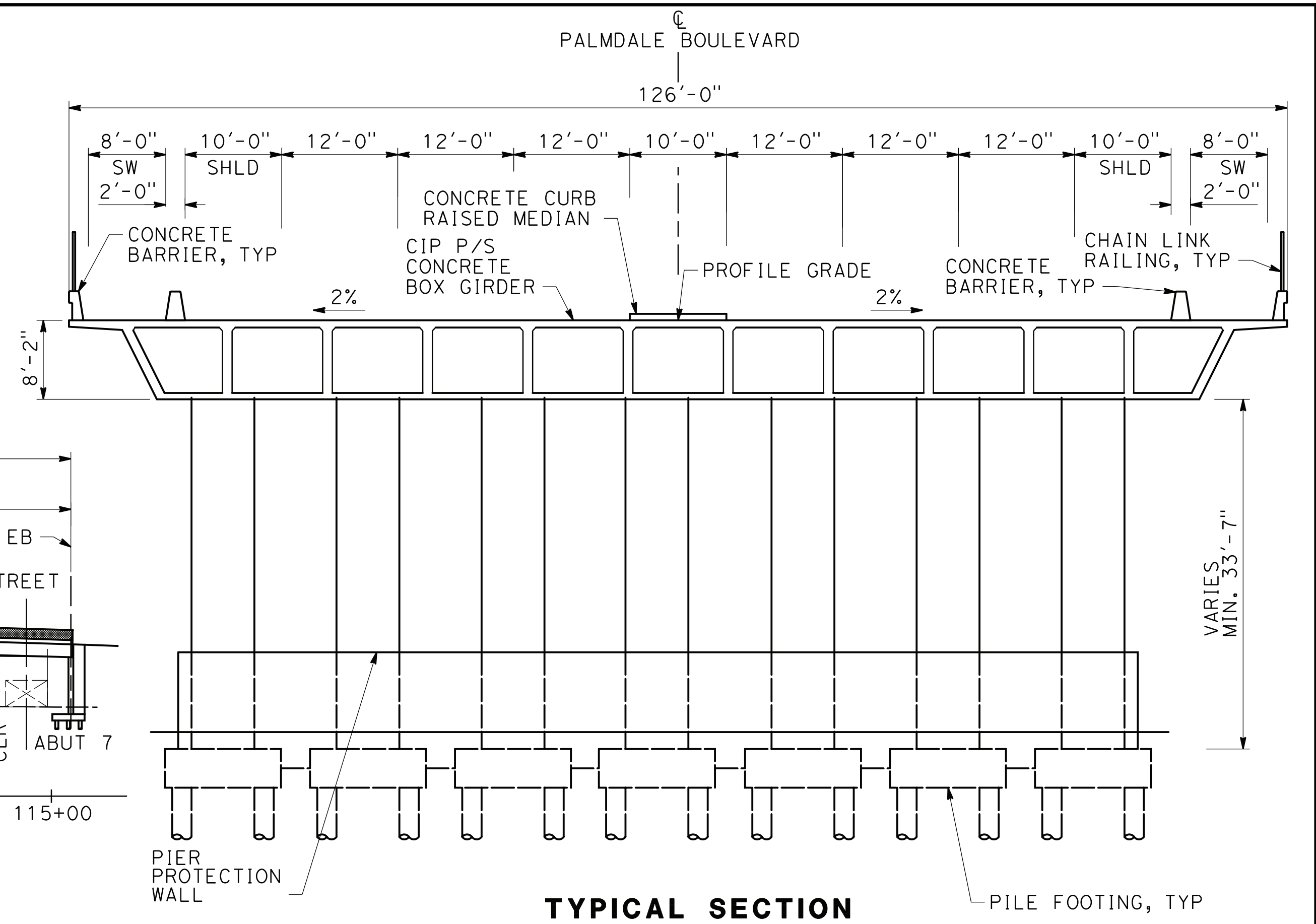
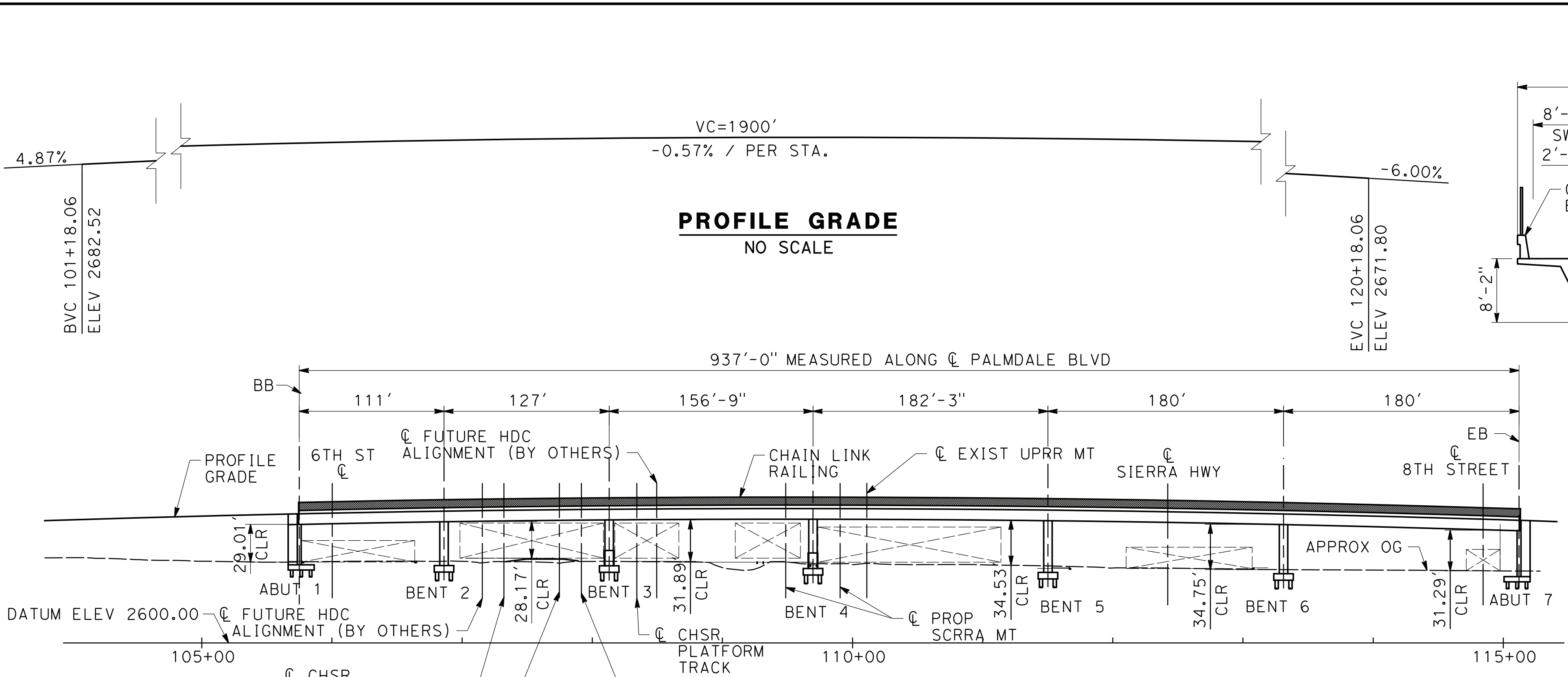
DESIGNED BY
A. MOLINA
DRAWN BY
J. LÓPEZ
CHECKED BY
J. REVOLTÓS
IN CHARGE
A. RELANO
DATE
02/01/2019

**PALMDALE
SUBSECTION**
DRAFT PEPD REV01
**NOT FOR
CONSTRUCTION**

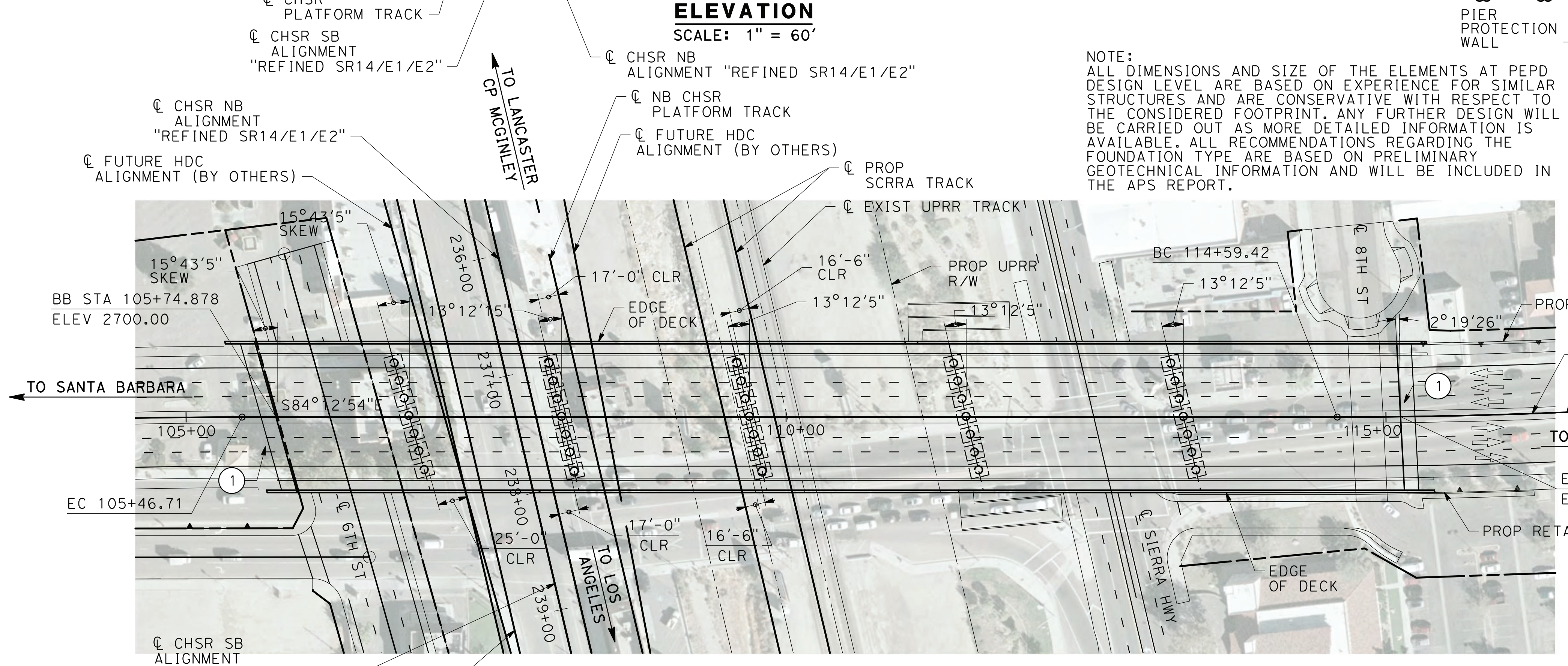


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE Q UNDERPASS (UPRR)
GENERAL PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
ST-J1205-S14
SCALE
AS SHOWN
SHEET NO.
5 OF 5



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.

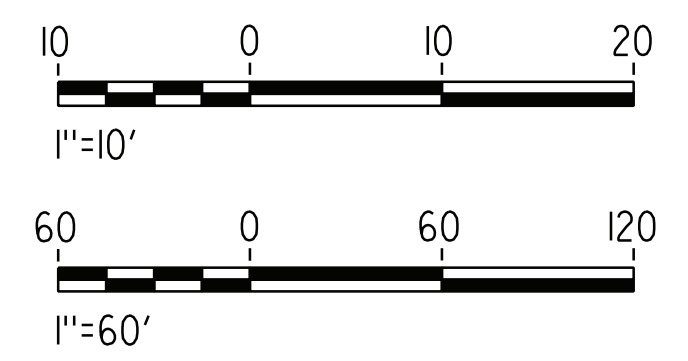


- LEGEND:**
- INDICATES BRIDGE REMOVAL PORTION
 - STRUCTURE APPROACH SLAB TYPE N(30S)
 - INDICATES NEW CONSTRUCTION
 - INDICATES FOUNDATION OR HIDDEN LINES
 - MINIMUM VERTICAL CLEARANCE
 - INDICATES DIRECTION OF TRAFFIC

CURVE DATA:

① R= 4500.00',
Δ= 6° 12' 18",
T= 243.91',
L= 487.34'

② R= 4500.00',
Δ= 6° 11' 31",
T= 243.39',
L= 486.30'



15/03/2019 10:19:37 ct:\pwork\king\chsr\dms14442\PB-ST-J1401-S14.dgn 0204814

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE

J. LÓPEZ
J. REVOLTÓS
A. RELAÑO
02/01/2019

PALMDALE SUBSECTION

DRAFT PEPD REV01

NOT FOR CONSTRUCTION



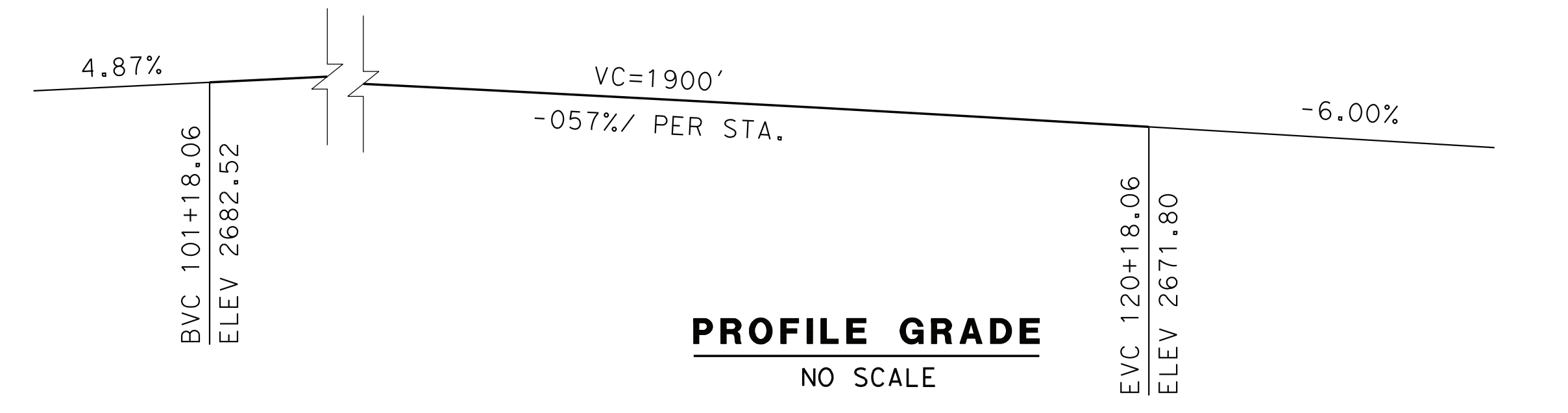
CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

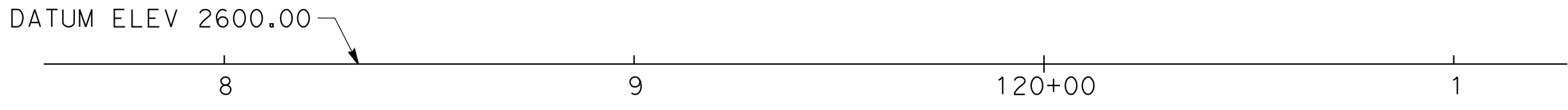
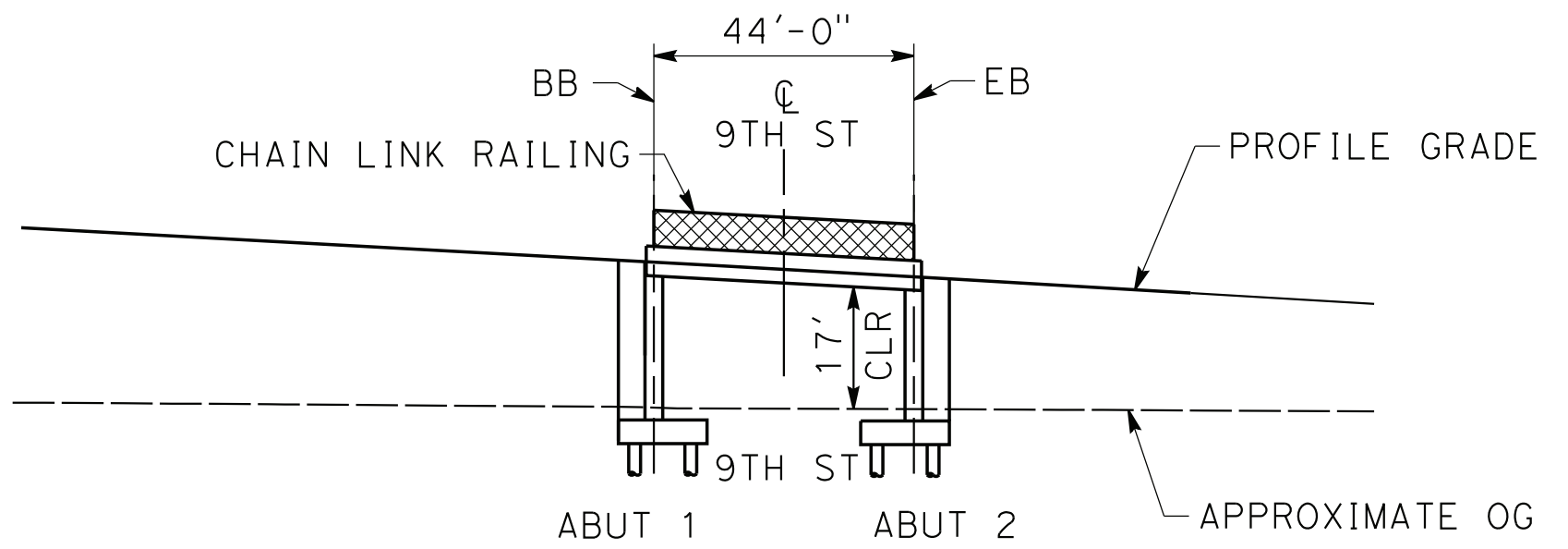
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
PALMDALE BOULEVARD OVERHEAD
GENERAL PLAN

CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.

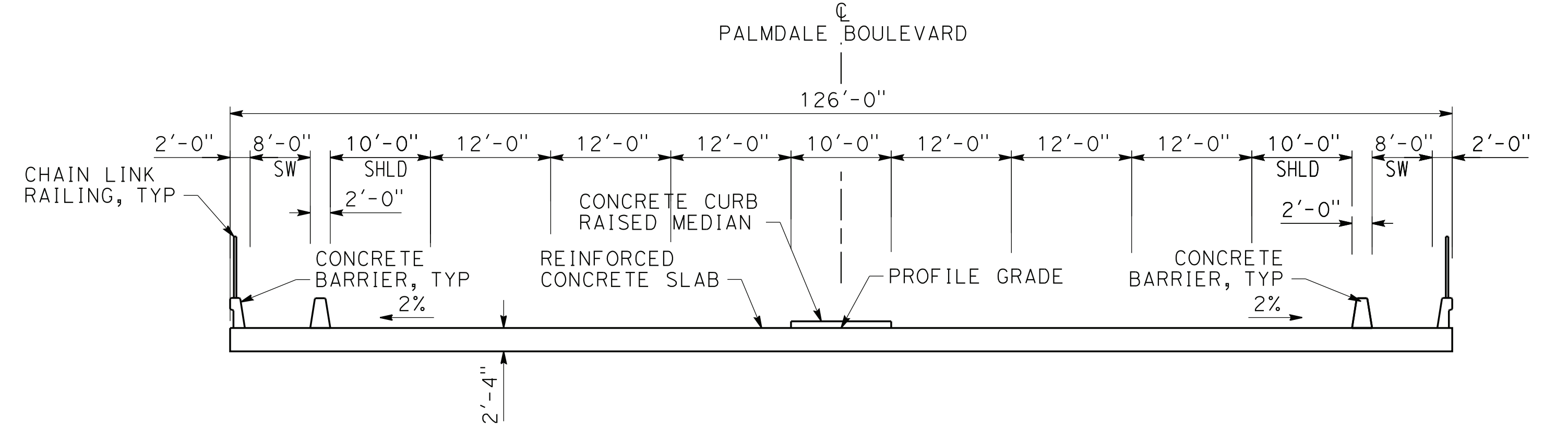
HSR14-42
ST-J1401-S14
AS SHOWN
1 OF 3



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1" = 30'



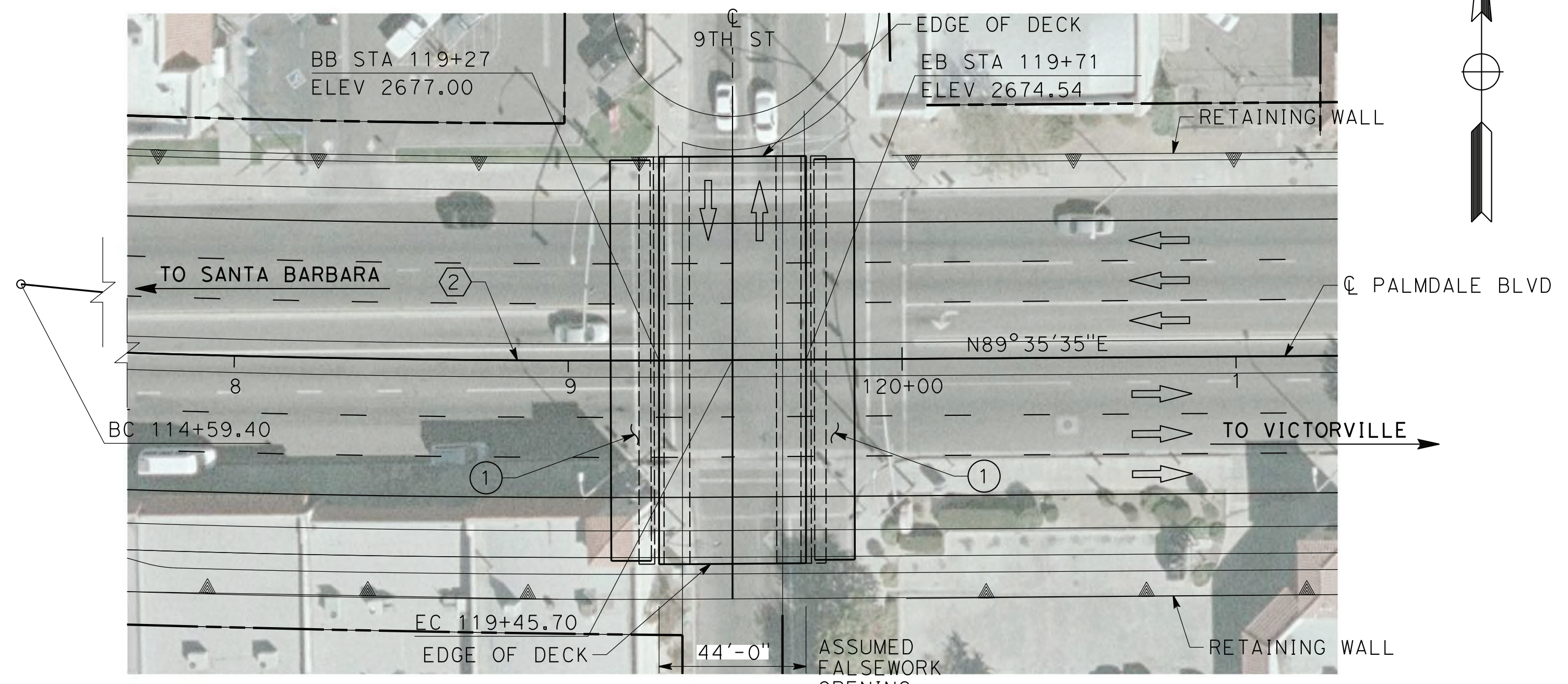
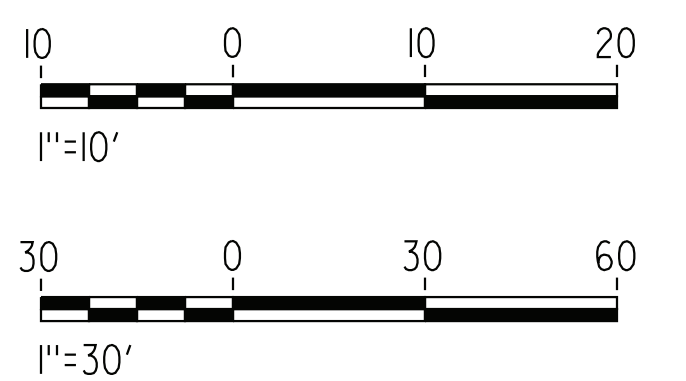
TYPICAL SECTION
SCALE: 1" = 10'

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:**
- PAINT CLOSURE POUR
 - BRIDGE REMOVAL (PORTION)
 - STRUCTURE APPROACH SLAB
 - CLOSURE POUR
 - MINIMUM VERTICAL CLEARANCE
 - INDICATES DIRECTION OF TRAFFIC

NOTES:

CURVE DATA:
 (2) R = 4500.00'
 Δ = 6° 11' 31"
 T = 243.39'
 L = 486.30'



PLAN
SCALE: 1" = 30'

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18/03/2019 15:04:29

REV	DATE	BY	CHK	APP	DESCRIPTION

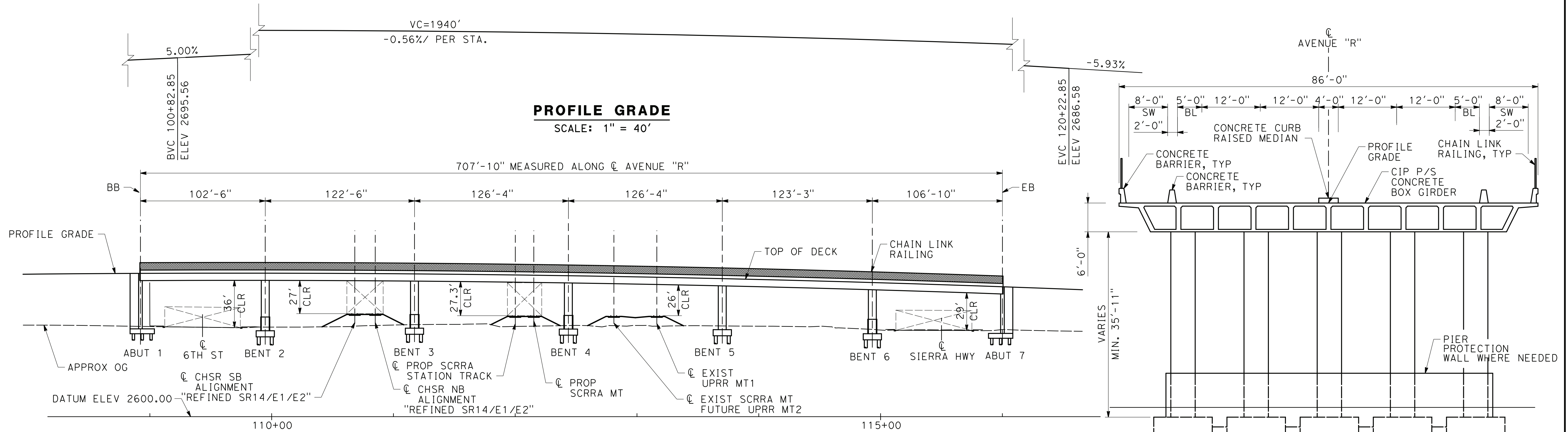
DESIGNED BY
A. MOLINA
 DRAWN BY
J. LÓPEZ
 CHECKED BY
J. REVOLTÓS
 IN CHARGE
A. RELANO
 DATE
02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14/E1/E2"
 PALMDALE BOULEVARD OVERCROSSING
 GENERAL PLAN

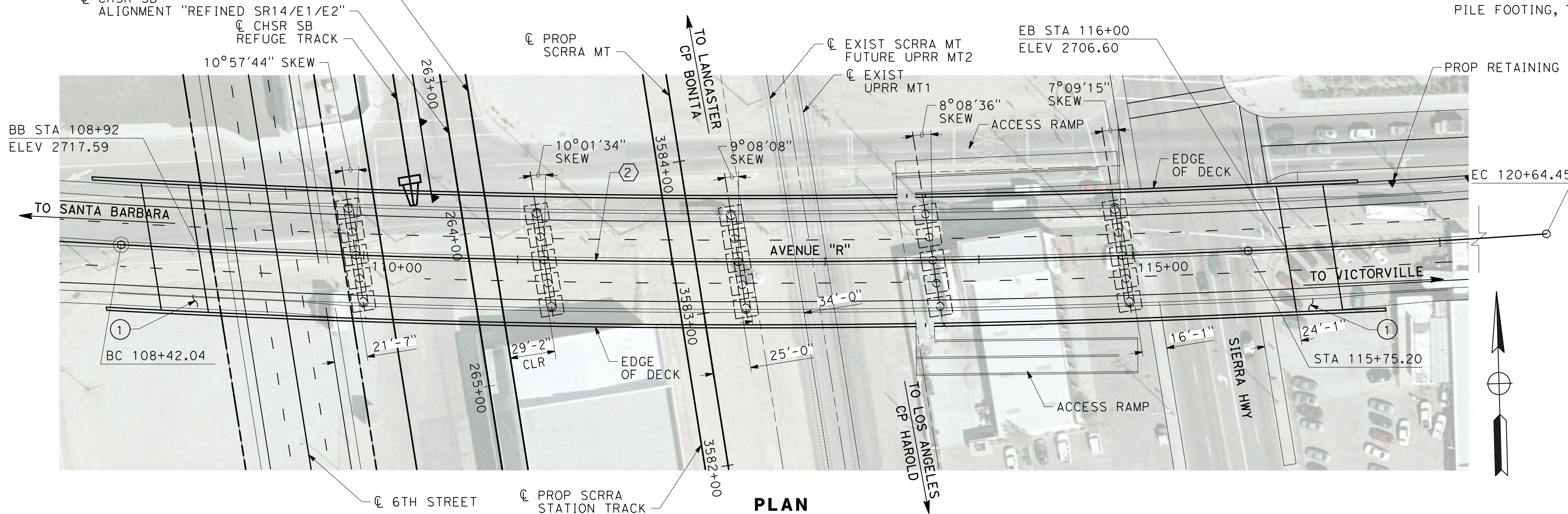
CONTRACT NO.
HSR14-42
 DRAWING NO.
ST-J1402-S14
 SCALE
AS SHOWN
 SHEET NO.
2 OF 3



PROFILE GRADE
SCALE: 1" = 40'

TYPICAL SECTION
SCALE: 1" = 10'

ELEVATION
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'

LEGEND:

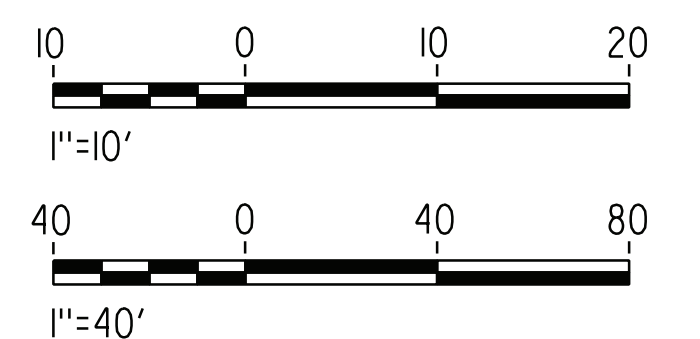
- INDICATES BRIDGE REMOVAL PORTION
- STRUCTURE APPROACH SLAB TYPE N(30S)
- INDICATES NEW CONSTRUCTION
- INDICATES FOUNDATION OR HIDDEN LINES
- MINIMUM VERTICAL CLEARANCE
- INDICATES DIRECTION OF TRAFFIC

NOTES:

SEE GENERAL NOTES PLAN

CURVE DATA:

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



ct:\pwork\king\chsr\vdms14442\pb-st-j1403-s14.dgn

15/03/2019 10:22:11

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PALMDALE
SUBSECTION**
DRAFT PEPP REV01
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
AVENUE R OVERHEAD
GENERAL PLAN

CONTRACT NO. HSR14-42
DRAWING NO. ST-J1403-S14
SCALE AS SHOWN
SHEET NO. 3 OF 3

California High-Speed Rail Authority

Palmdale to Burbank Project Section

DRAFT PEPD REV01
Palmdale Station Area Plans

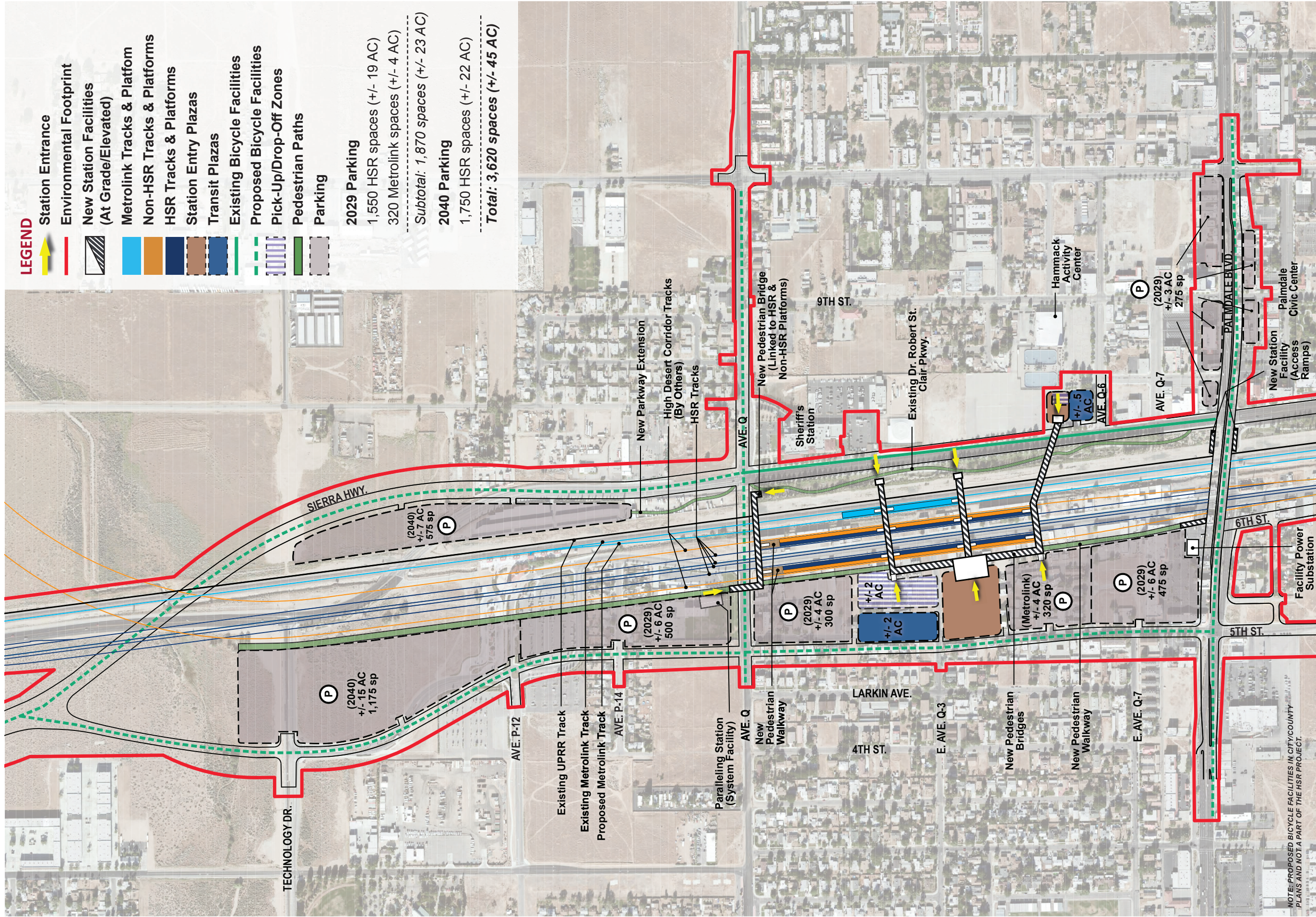
February 2019



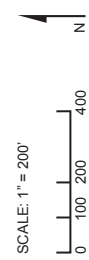
TABLE OF CONTENTS:

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Palmdale Station Detailed Site Plan..... 2
Palmdale Station Cross Section | West-East Site Section Looking North..... 3
Palmdale Station Massing Model | Perspective A..... 4
Palmdale Station Massing Model | Perspective B..... 5
Palmdale Station Massing Model | Perspective C..... 6
Palmdale Station Massing Model | Perspective D..... 7
Palmdale Station Programming & Area Requirements Table..... 8
Palmdale Station Facility Sizing Table..... 9-11

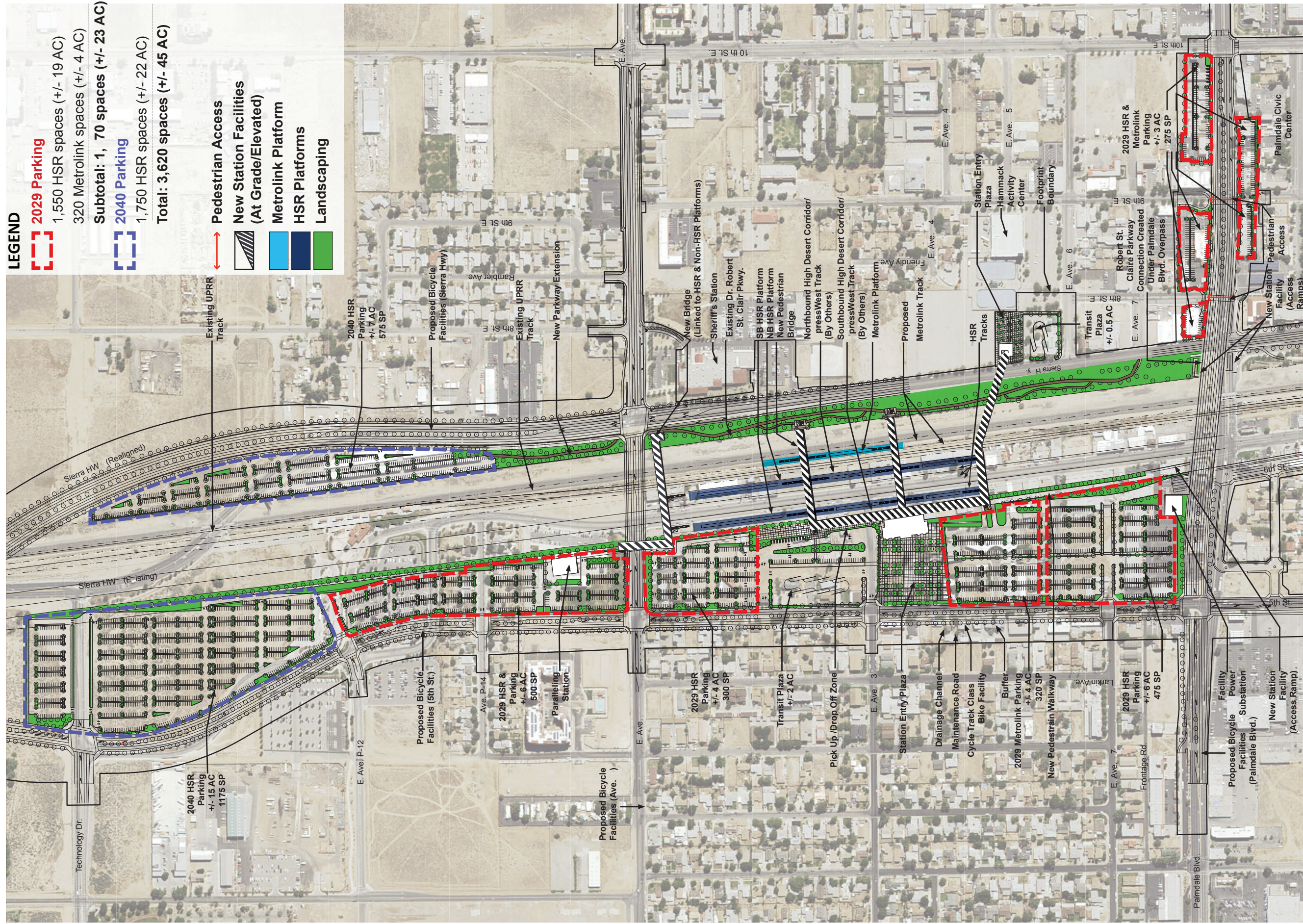
**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



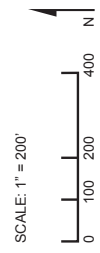
Palmdale Station General Site Plan



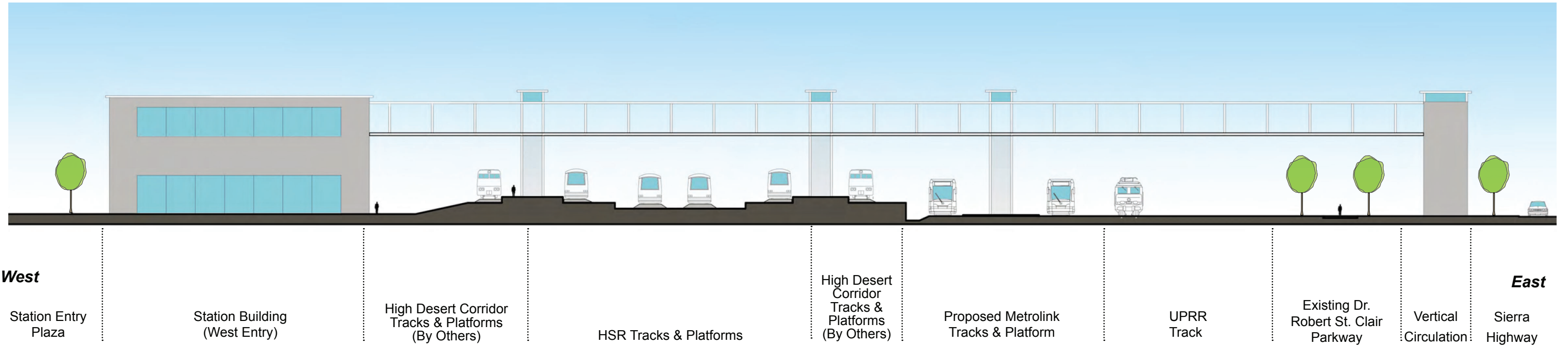
**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



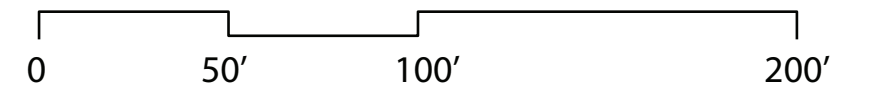
Palmdale Station Detailed Site Plan



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



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



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



Palmdale Station Massing Model | Perspective A



NOT TO SCALE

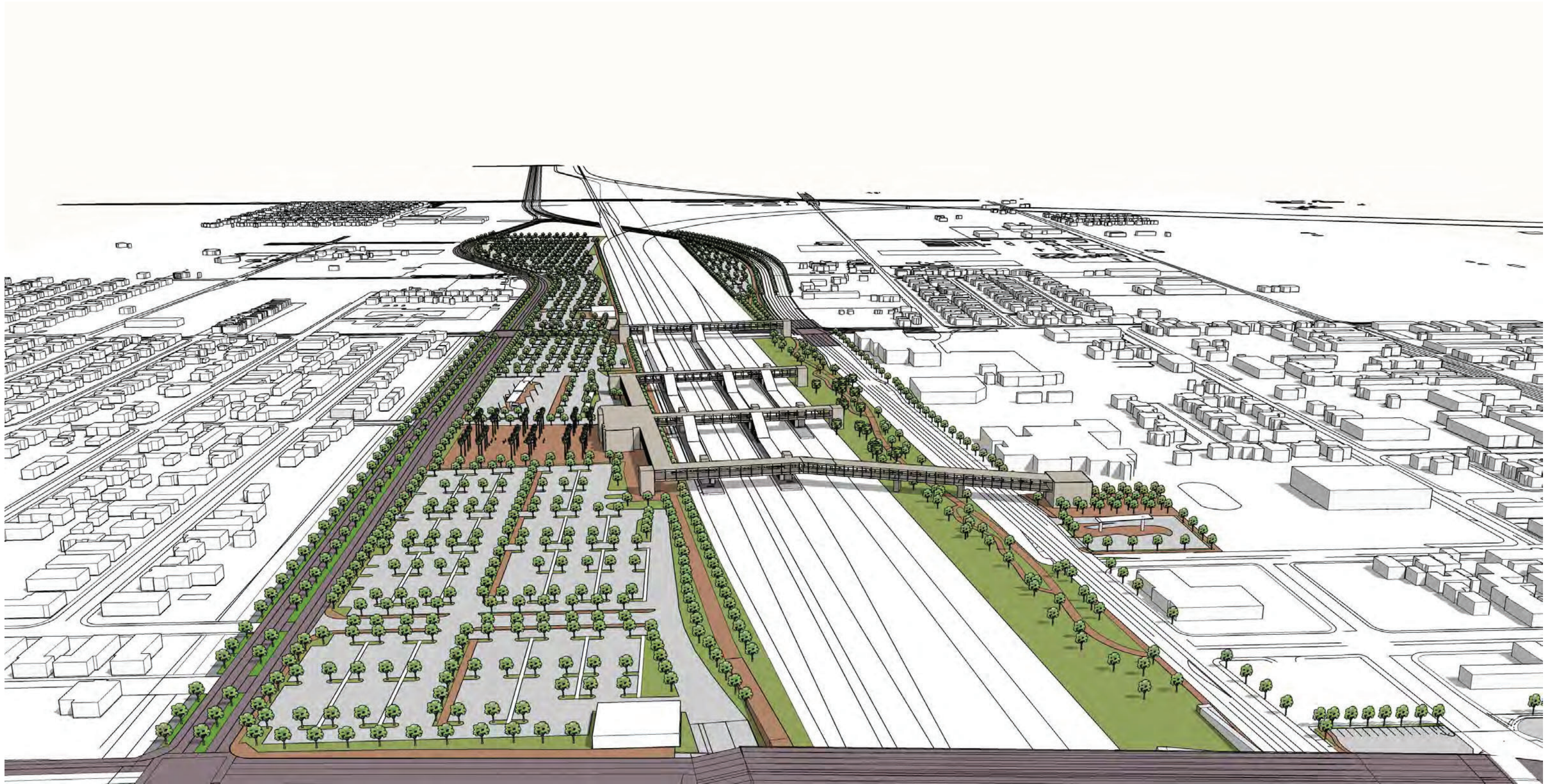
**CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK PROJECT SECTION
PALMDALE STATION**



Palmdale Station Massing Model | Perspective B

 **NOT TO SCALE**

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

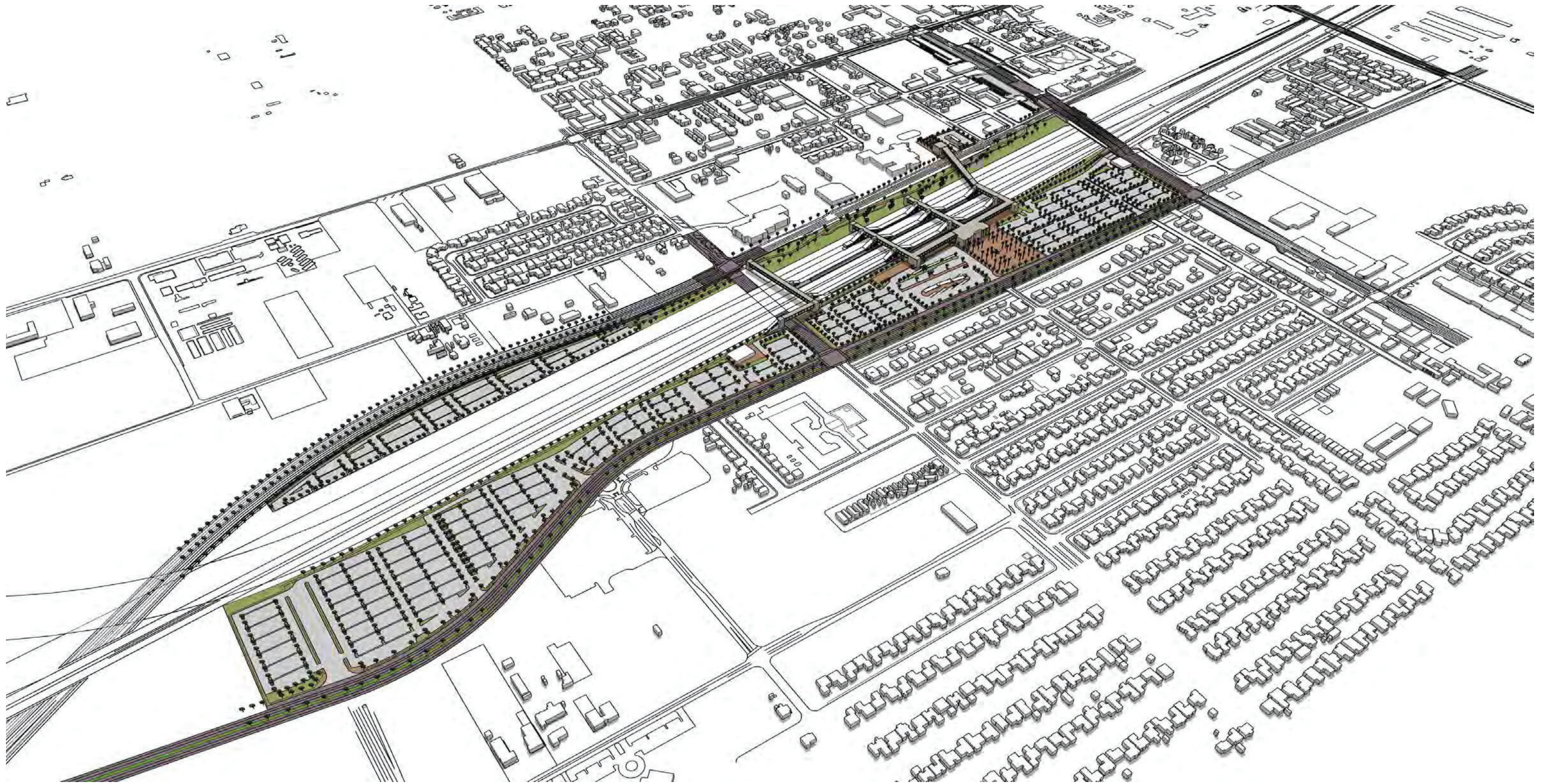


Palmdale Station Massing Model | Perspective C



NOT TO SCALE

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



Palmdale Station Massing Model | Perspective D



NOT TO SCALE

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

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

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

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

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

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

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

California High-Speed Rail Authority

Palmdale Subsection

DRAFT PEPD REV 01

Railway Systems Plans

February 2019



GENERAL SHEETS

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

CHSR ALIGNMENT "REFINED SR14" RAILWAY SYSTEMS AND FACILITIES

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TP-D0001-S14	TRACTION POWER FACILITIES - LOCATION LAYOUT	
TP-B6001-S14	TRACTION POWER FACILITIES - KEY MAP	
TP-O4001-S14	TRACTION POWER FACILITIES - PARALLELING STATION 1	
TC-F4001-S14	TRACTION CONTROL SYSTEM - STANDALONE RADIO SITE 1	

TRAIN CONTROL SYSTEM

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
TC-E6001	INTERLOCKING SITES - PALMDALE STATION	
TC-B6001-PLM	RAILWAY SYSTEMS - KEY MAP	
TC-F4001-PLM	INTERLOCKING SITES - STA 132+00 TO STA 145+00	
TC-F4002-PLM	INTERLOCKING SITES - STA 153+00 TO STA 165+00	
TC-F4003-PLM	INTERLOCKING SITES - STA 251+00 TO STA 266+00	
TC-F4004-PLM	INTERLOCKING SITES - STA 266+00 TO STA 276+00	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. VELASCO
DRAWN BY F.J. DOMINGUEZ
CHECKED BY A. NAVARRO
IN CHARGE A. RELAÑO
DATE 02/01/2019

**PALMDALE
SUBSECTION**

DRAFT PEPD REV01

**NOT FOR
CONSTRUCTION**



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

PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
GENERAL
INDEX OF DRAWINGS

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

A

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

B

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

C

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

C CONTINUED

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

D

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

E

E EAST, EASTING
 EA ACTUAL SUPERELEVATION
 EU UNBALANCED SUPERELEVATION

E CONTINUED

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

F

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

G

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

H

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

I

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

J

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

K

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

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

M

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

M CONTINUED

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

N

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

O

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

P

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
E. VELASCO
 DRAWN BY
F.J. DOMINGUEZ
 CHECKED BY
A. NAVARRO
 IN CHARGE
A. RELANO
 DATE
02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



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

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

P CONTINUED

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

Q

QTY QUANTITY

R

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

S

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

S CONTINUED

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

T

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

U

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

V

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

W

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

X

X SEC CROSS SECTION
 XING CROSSING

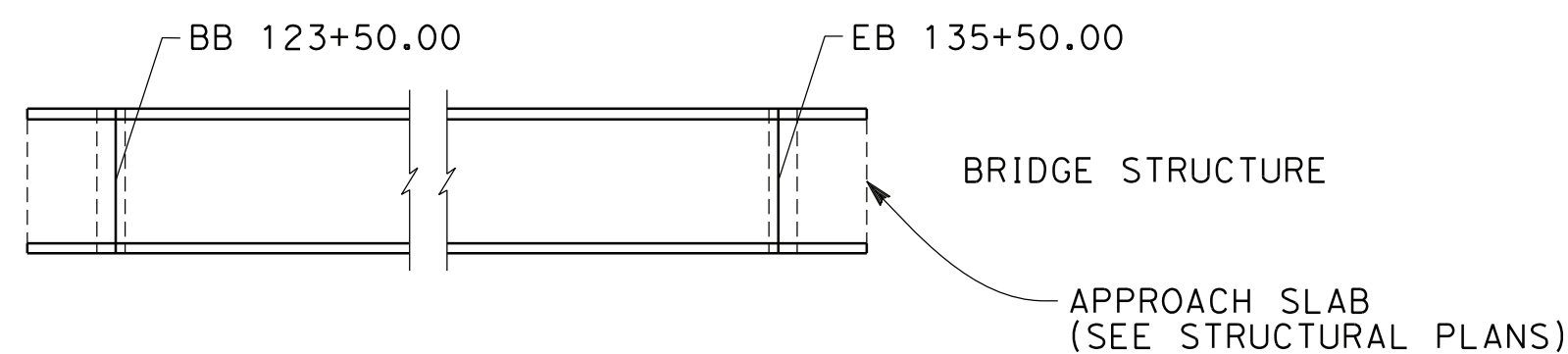
Y

YR YEAR
 YRS YEARS

LEGEND

PLAN

- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY
- ▲▲▲ PROPOSED RETAINING WALL
- LIMITS OF EMBANKMENT (FILL)
- LIMITS OF EXCAVATION (CUT)
- PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
- PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
- PROPOSED TUNNEL
- e-(oh)- EXISTING OVERHEAD HIGH VOLTAGE POWER LINES
- HIGH SPEED TURNOUT
- ┆ SCRRR TURNOUT
- ① CURVE DATA (HSR ALIGNMENT)



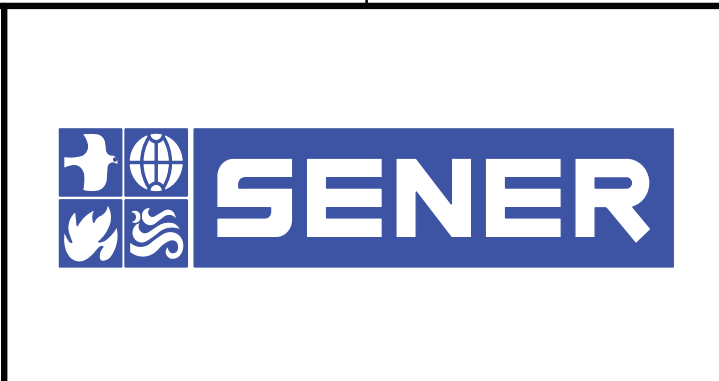
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REV	DATE	BY	CHK	APP	DESCRIPTION

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E. VELASCO
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F.J. DOMINGUEZ
 CHECKED BY
A. NAVARRO
 IN CHARGE
A. RELANO
 DATE
02/01/2019

PALMDALE SUBSECTION
DRAFT PEPD REV01
NOT FOR CONSTRUCTION



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

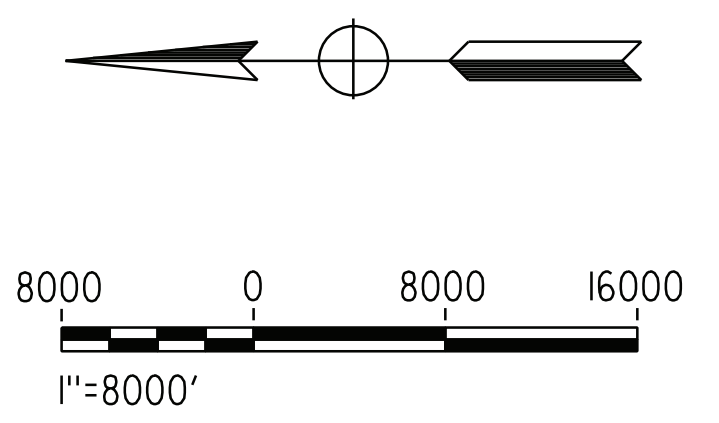
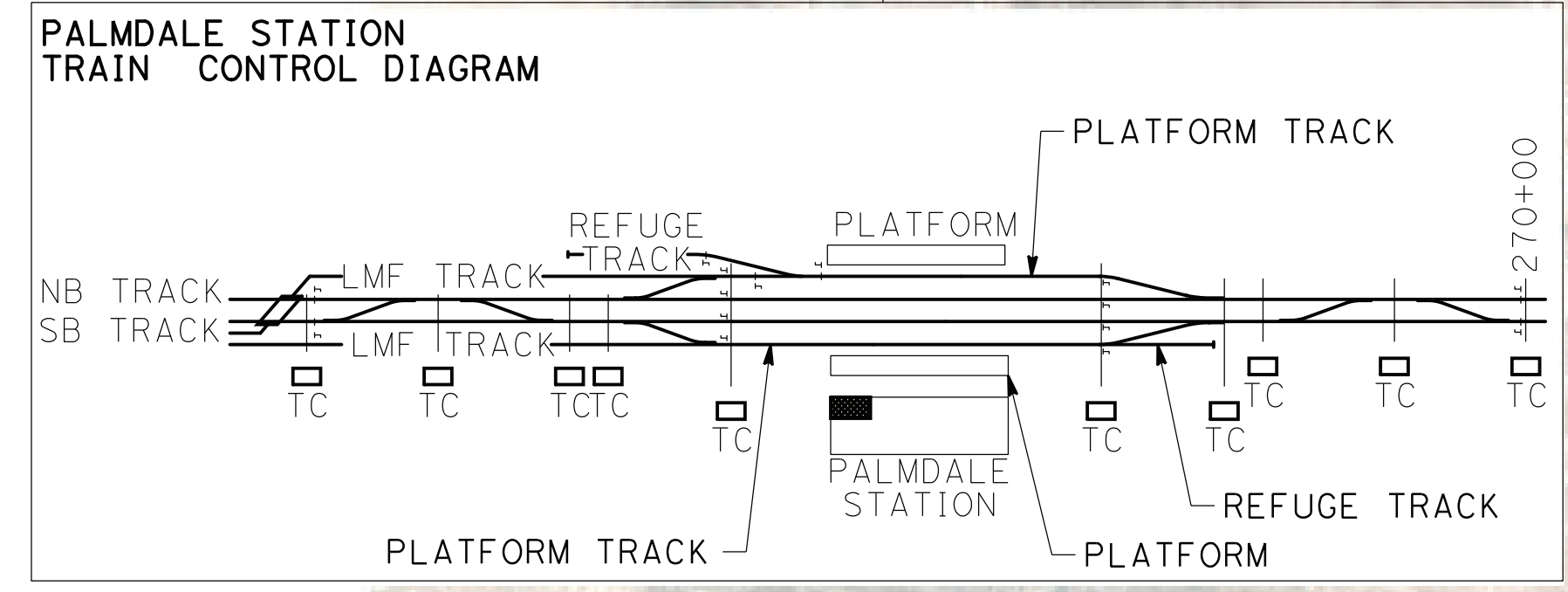
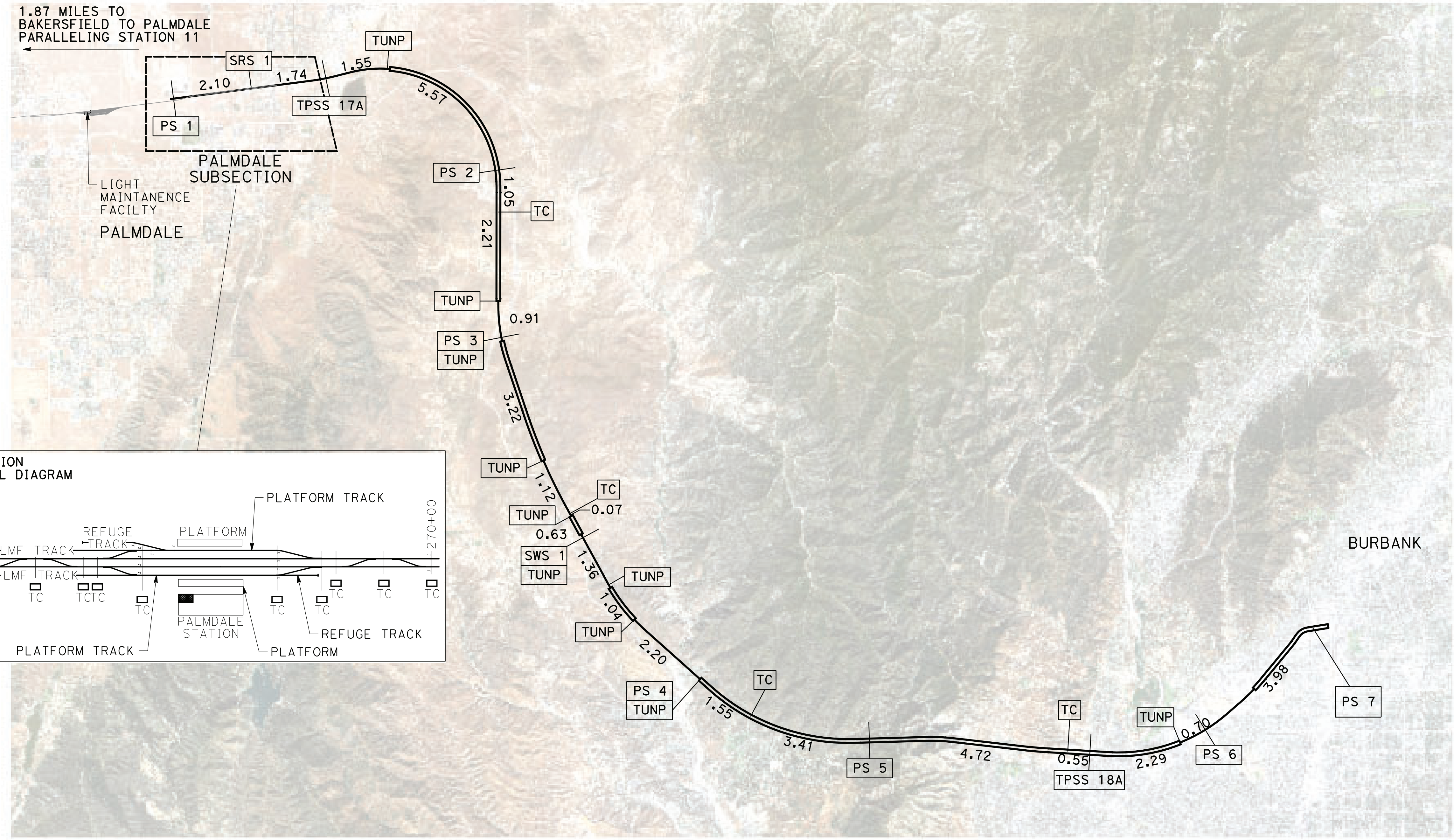
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HSR14-42
 DRAWING NO.
TP-B0003
 SCALE
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 SHEET NO.

LEGEND

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

- ABBREVIATIONS:**
- TPSS: TRACTION POWER SUBSTATION
 - PS: PARALLELING STATION
 - SWS: SWITCHING STATION
 - TUNP: TUNNEL PORTAL FACILITIES
 - SRS: STANDALONE RADIO SITE
 - TC: TRAIN CONTROL FACILITY

- NOTE:**
1. SITE STATIONING GIVEN IS APPROXIMATE AND WILL BE FINALIZED IN FUTURE DESIGN PHASE.
 2. IN UNDERGROUND SECTIONS, RF COMMUNICATION WILL BE USING DIRECTIONAL ANTENNAS OR RADIANT CABLES.
 3. TRACTION POWER FACILITIES HAVE RADIO ANTENNAS.
 4. PS1 IS NEEDED IN PLACE IN CASE B-P SECTION IS NOT BUILT, AS THE LMF FACILITY WILL BE POWERED FROM TP SS 17A.
 5. ALL TUNNEL PORTALS (TUNP) HAVE RADIO ANTENNAS.



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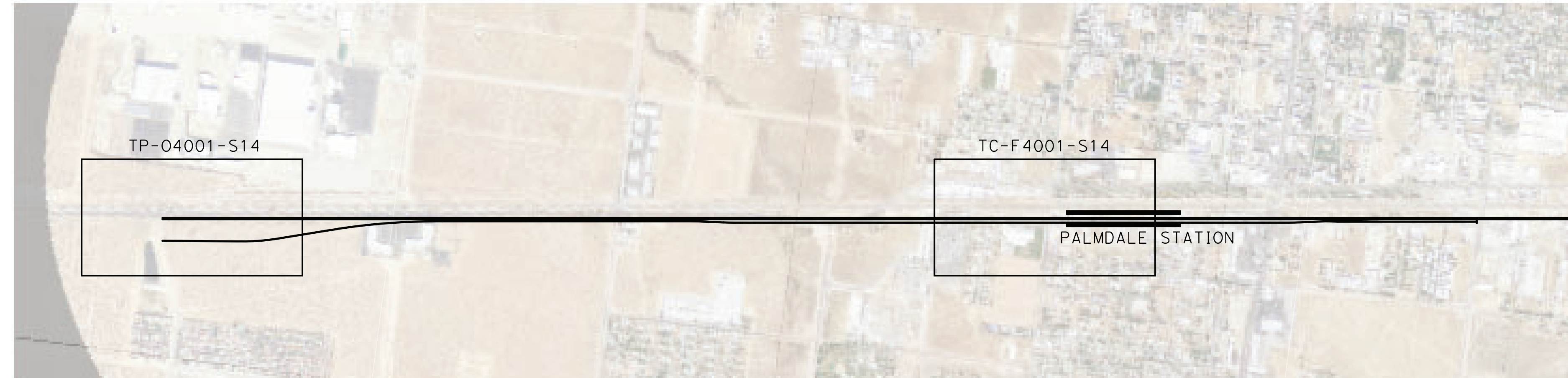
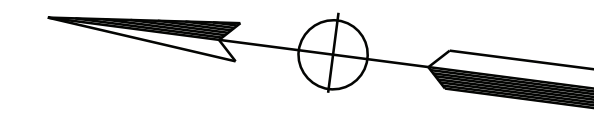
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14"
 TRACTION POWER FACILITIES
 LOCATION LAYOUT

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

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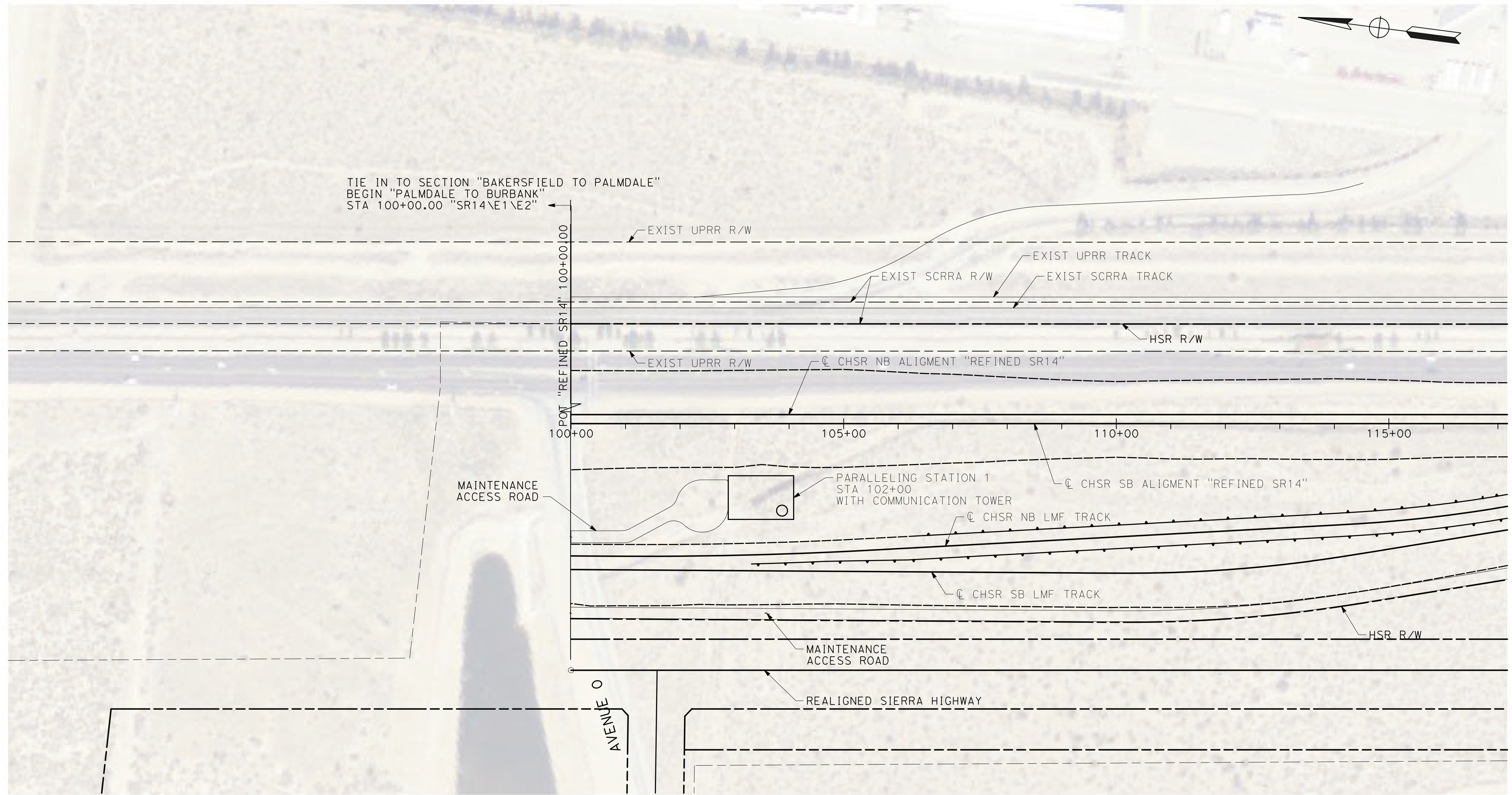
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
TRACTION POWER FACILITIES
KEY MAP

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



PLAN



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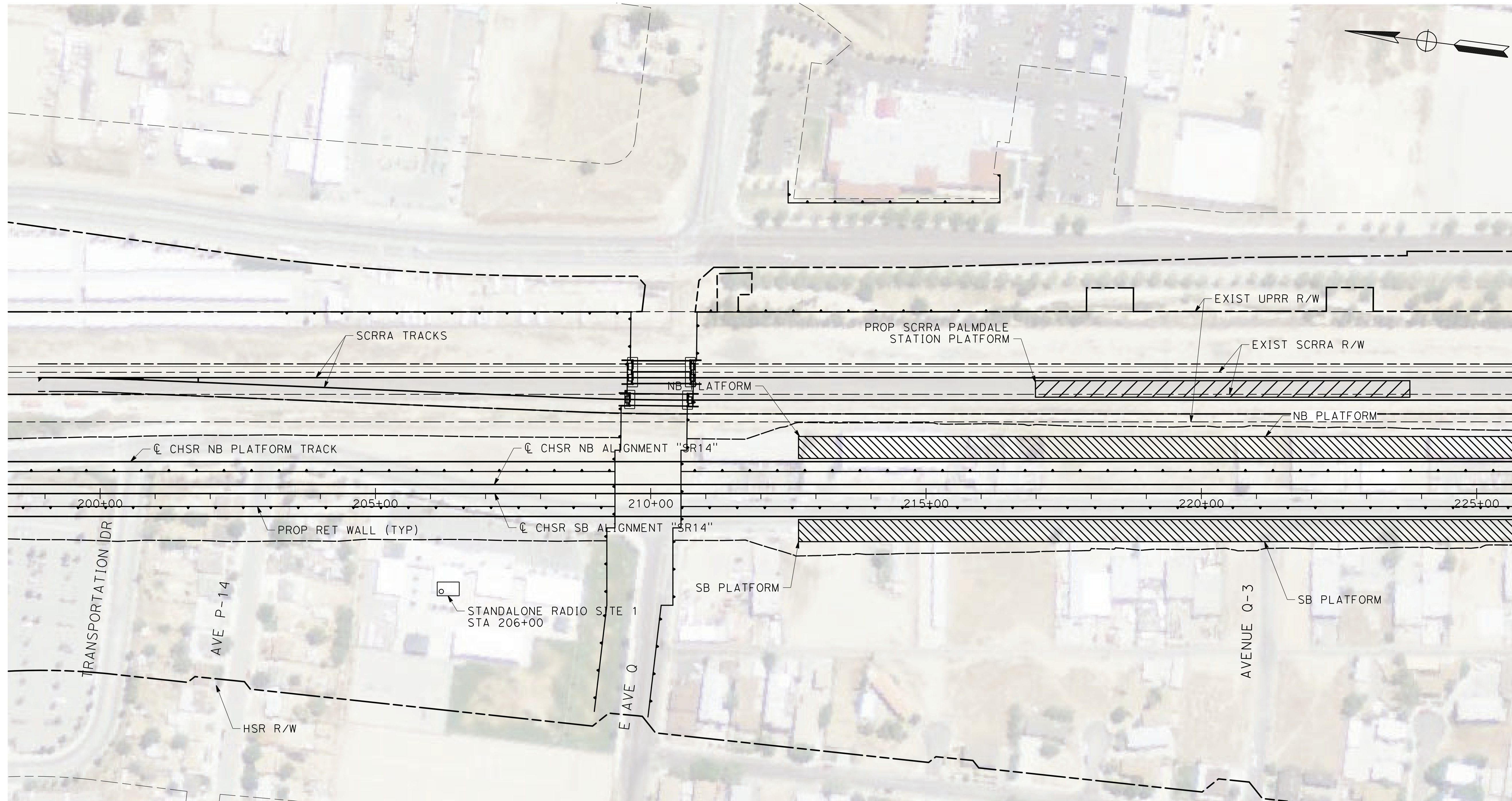
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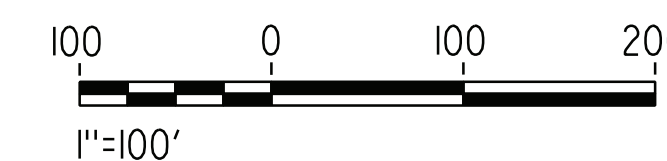


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14"
 TRACTION POWER FACILITIES
 PARALLELING STATION 1

CONTRACT NO.
HSR14-42
 DRAWING NO.
TP-04001-S14
 SCALE
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PLAN



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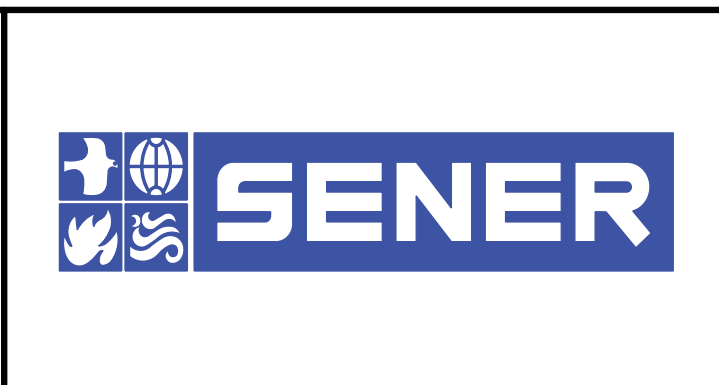
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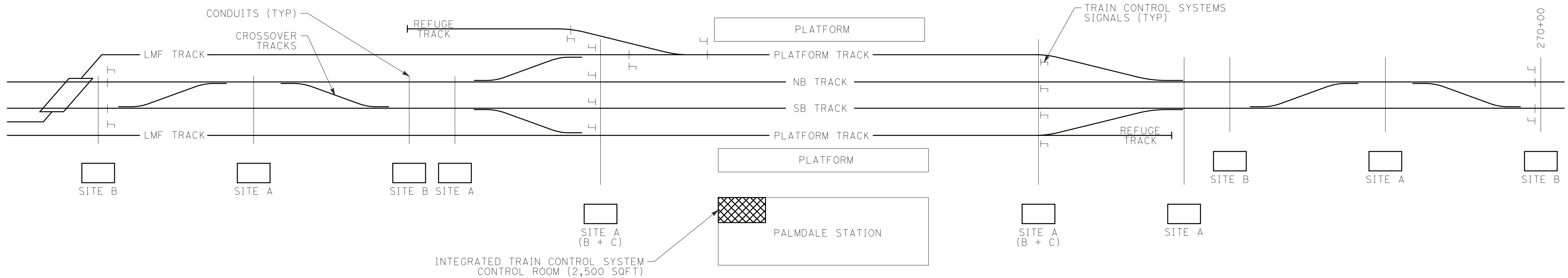
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
STANDALONE RADIO SITE 1

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-F4001-S14
SCALE
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SHEET NO.

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PALMDALE STATION

NOTE:
1. THIS SCHEMATIC DIAGRAM IS APPLICABLE TO ALL ALTERNATIVES.

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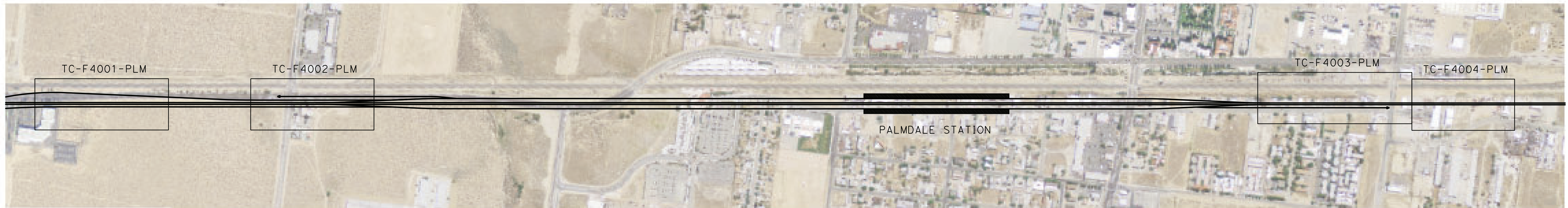
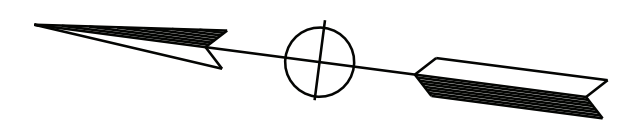
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
INTERLOCKING SITES
PALMDALE STATION

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-E6001
SCALE
NOT TO SCALE
SHEET NO.

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CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

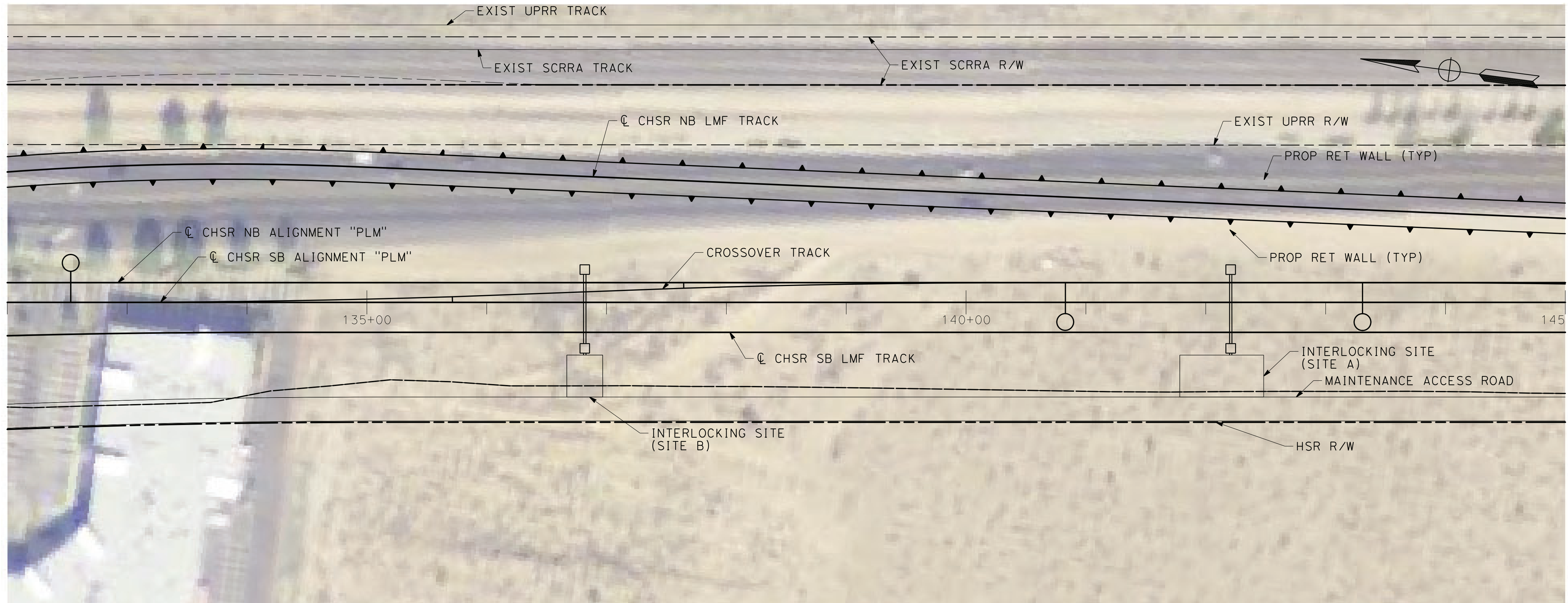
RAILWAY SYSTEMS
KEY MAP

CONTRACT NO.
HSR14-42

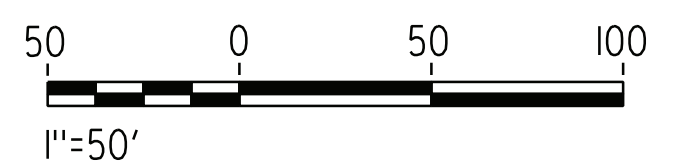
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SHEET NO.



PLAN



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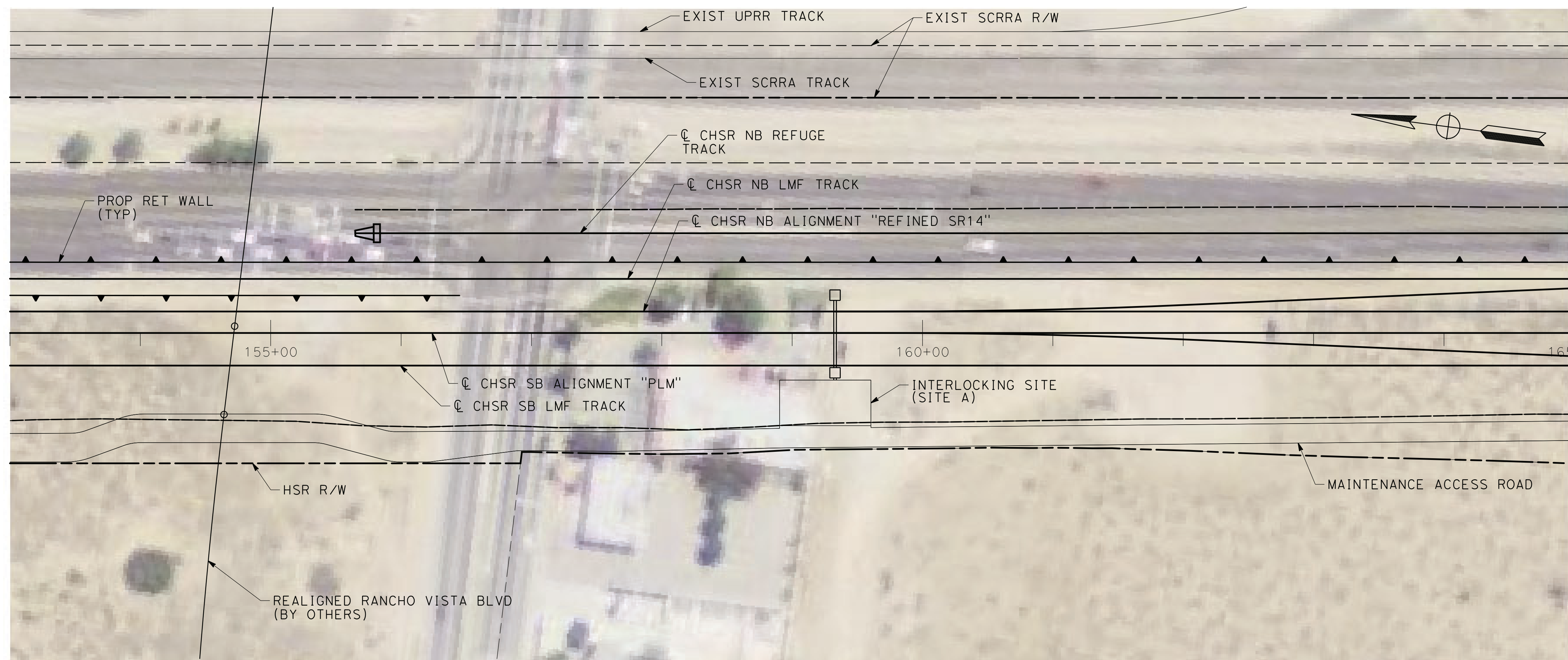
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES STA 132+00 TO STA 145+00

CONTRACT NO.
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SHEET NO.

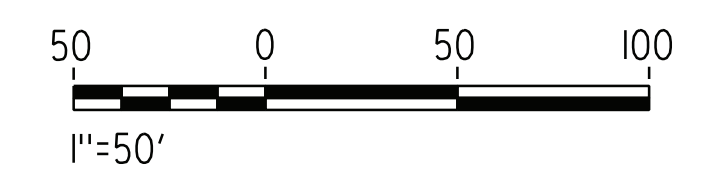
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CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES STA 153+00 TO STA 165+00

CONTRACT NO.
HSR14-42

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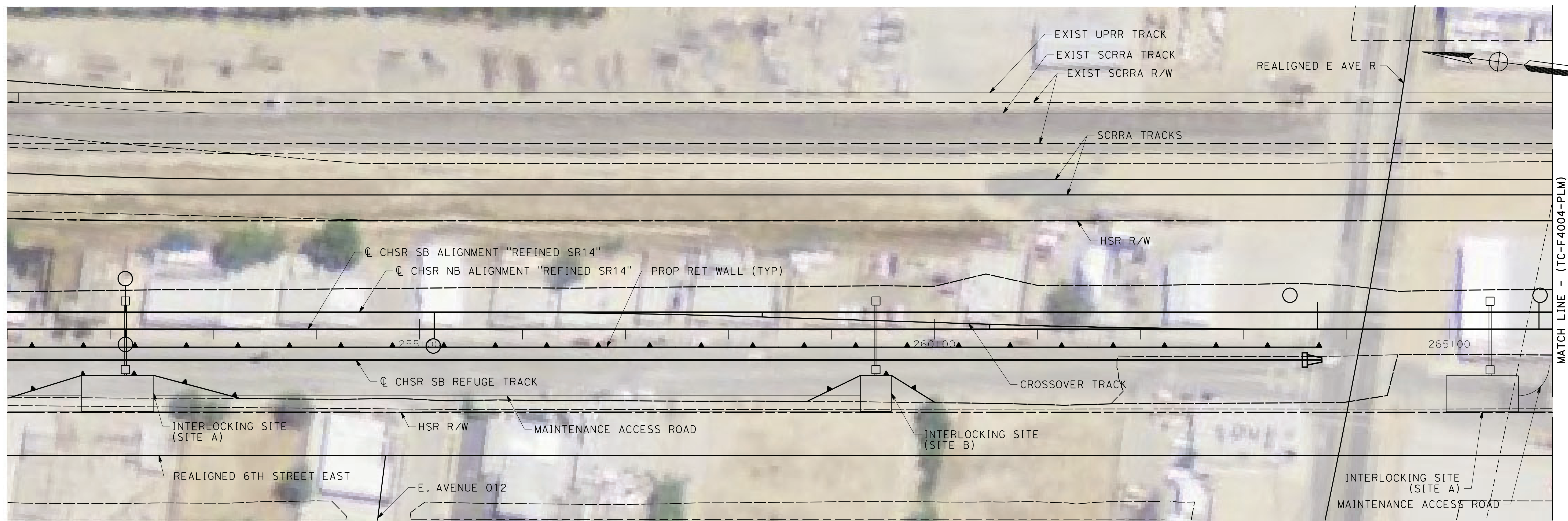
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SHEET NO.

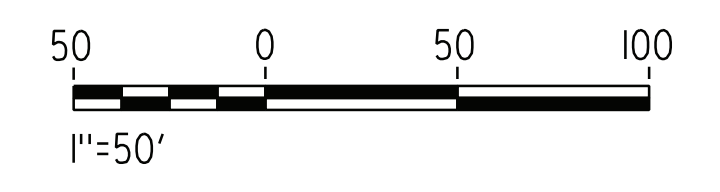
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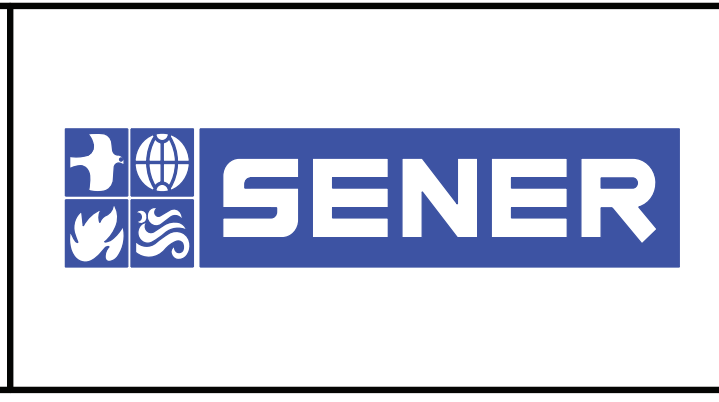
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A. RELAÑO

DATE
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CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
TRAIN CONTROL SYSTEM
INTERLOCKING SITES STA 251+00 TO STA 266+00

CONTRACT NO.
HSR14-42

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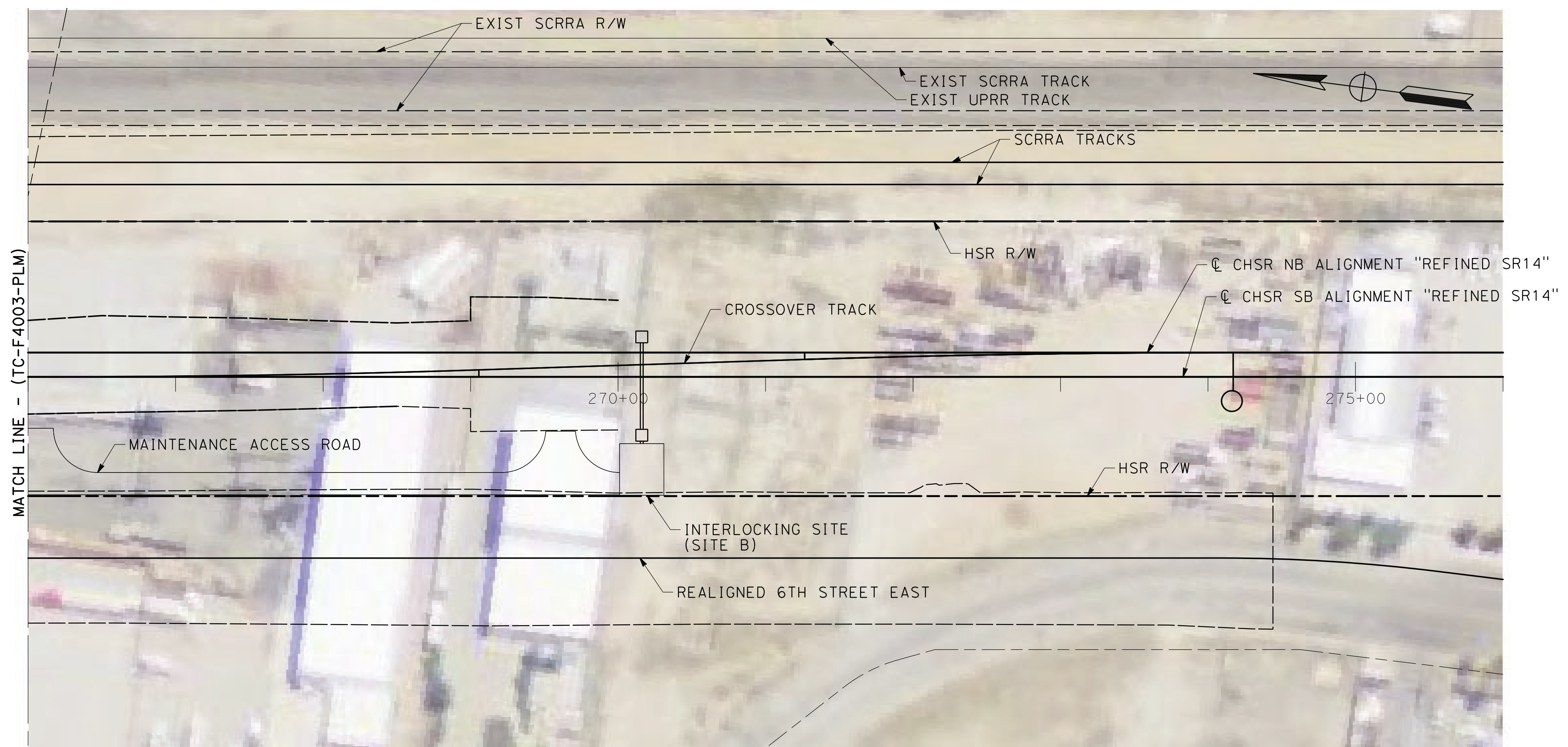
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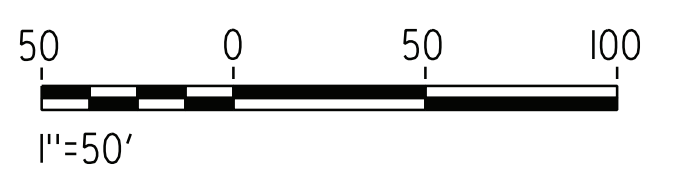
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A. RELANO
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DRAFT PEPD REV01
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14"
INTERLOCKING SITES
TRAIN CONTROL SYSTEM STA 266+00 TO STA 276+00

CONTRACT NO.
HSR14-42
DRAWING NO.
TC-F4004-PLM
SCALE
AS SHOWN
SHEET NO.

California High-Speed Rail Authority

Palmdale Subsection

DRAFT PEPD REV01

Relocation Utility Plans

February 2019



PALMDALE SUBSECTION

UT-B0001-PLM	RELOCATION UTILITY PLANS - INDEX OF DRAWINGS
UT-B0002-PLM	RELOCATION UTILITY PLANS - ABBREVIATIONS AND LEGEND
UT-B0003-PLM	RELOCATION UTILITY PLANS - KEY MAP
UT-C4001-PLM	RELOCATION UTILITY PLANS - STA 100+00 TO STA 120+00
UT-C4002-PLM	RELOCATION UTILITY PLANS - STA 120+00 TO STA 145+00
UT-C4003-PLM	RELOCATION UTILITY PLANS - STA 145+00 TO STA 170+00
UT-C4004-PLM	RELOCATION UTILITY PLANS - STA 170+00 TO STA 195+00
UT-C4005-PLM	RELOCATION UTILITY PLANS - STA 195+00 TO STA 220+00
UT-C4006-PLM	RELOCATION UTILITY PLANS - STA 220+00 TO STA 245+00
UT-C4007-PLM	RELOCATION UTILITY PLANS - STA 245+00 TO STA 270+00
UT-C4501-PLM	RELOCATION UTILITY PLANS
UT-C4502-PLM	RELOCATION UTILITY PLANS
UT-C4503-PLM	RELOCATION UTILITY PLANS
UT-C4504-PLM	RELOCATION UTILITY PLANS
UT-C4505-PLM	RELOCATION UTILITY PLANS
UT-C4506-PLM	RELOCATION UTILITY PLANS
UT-C4507-PLM	RELOCATION UTILITY PLANS
UT-C4508-PLM	RELOCATION UTILITY PLANS
UT-C4509-PLM	RELOCATION UTILITY PLANS
UT-C4510-PLM	RELOCATION UTILITY PLANS
UT-C4511-PLM	RELOCATION UTILITY PLANS
UT-C4512-PLM	RELOCATION UTILITY PLANS

\$FILE \$

\$TIME \$

\$DATE \$

\$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. TROCOSO

DRAWN BY
L. GUERRERO

CHECKED BY
A. DUONG

IN CHARGE
A. RELANO

DATE
02/28/2019

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SUBSECTION**

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION

RELOCATION UTILITY PLANS
INDEX OF DRAWINGS

CONTRACT NO.
HSR14-42

DRAWING NO.
UT-B0001-PLM

SCALE
NO SCALE

SHEET NO.

LEGEND AND SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		ELECTRICAL UNDERGROUND
		ELECTRICAL OVERHEAD
		FIBER OPTIC UNDERGROUND
		FIBER OPTIC OVERHEAD
		GAS
		NATURAL GAS
		OIL
		STORM DRAIN
		SEWER
		STEAM
		TELECOMMUNICATION UNDERGROUND
		TELECOMMUNICATION OVERHEAD
		TELEPHONE UNDERGROUND
		TELEPHONE OVERHEAD
		TELEVISION UNDERGROUND
		TELEVISION OVERHEAD
		WATER
		RETAINING WALL
		RIGHT-OF-WAY
		HSR RIGHT-OF-WAY
		HSR TUNNEL
		HSR TRACK CENTERLINE
		PERMANENT ENVIRONMENTAL FOOTPRINT
		TEMPORARY ENVIRONMENTAL FOOTPRINT
		FUTURE TRACK CENTERLINE
		NATIONAL FOREST BOUNDARY
		PTC TOWER
		WELL LOCATION
		POWER TRANSMISSION TOWER
		HEADWALL
		TRACK SWITCH
		STRUCTURES (BRIDGE, VIADUCT)
		KEY NOTE
		PUMP STATION

ABBREVIATIONS

ABN	ABANDON	PROP	PROPOSED
ACP	ASBESTOS CEMENT PIPE	PPEF	PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
ALT	ALTERNATIVE	PS	POWER STATION
APPROX	APPROXIMATE		
AVE	AVENUE	R	RADIUS
		RCP	REINFORCED CONCRETE PIPE
		RD	ROAD
BEG	BEGIN	REINF	REINFORCED, REINFORCEMENT, REINFORCING
BLDG	BUILDING	REL	RELOCATE
BLVD	BOULEVARD	REPL	REPLACEMENT
BO	BLOW-OFF	R/W, ROW	RIGHT OF WAY
		RT	RIGHT
CB	CATCH BASIN	RTE	ROUTE
CD	CURB DRAIN		
CHSR	CALIFORNIA HIGH-SPEED RAIL	S	SOUTH
CIP	CAST IRON PIPE	SB	SOUTHBOUND
		SCRRA	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
Ⓢ	CENTERLINE	SD	STORM DRAIN
CMP	CORRUGATED METAL PIPE	SR	STATE ROUTE
CTV	CABLE TELEVISION	ST	STREET
		STA	STATION
D	DEPTH	STBB	SINGLE THRIE BEAM BARRIER
DI	DRAINAGE INLET, DROP INLET	STD	STANDARD
DIA	DIAMETER	STR	STRUCTURE
DIP	DUCTILE IRON PIPE	SRS	STAND ALONE RADIO SITE
DWG	DRAWING	SW	SIDEWALK, SOUND WALL
		SWR	SEWER
ED	EDGE DRAIN	TEL	TELEPHONE
EDC	EDGE DRAIN CLEANOUT	TEMP	TEMPORARY
EDO	EDGE DRAIN OUTLET	TOT	TOTAL
EDV	EDGE DRAIN VENT	TP	TELEPHONE POLE
ELEC	ELECTRIC	TPSS	TRACTION POWER SUPPLY STATION
ELEV	ELEVATION	TSMF	TERMINAL STORAGE AND MAINTENANCE FACILITY
ENV	ENVIRONMENTAL	TYP	TYPICAL
EXIST	EXISTING		
EXP	EXPANSION	UG	UNDERGROUND
FL	FLOW LINE	UNK	UNKNOWN
FO	FIBER OPTIC	UPRR	UNION PACIFIC RAILROAD
FP	FOOTPRINT		
G	GAS	W	WATER, WEST, WIDTH
GALV	GALVANIZED	WB	WESTBOUND
		WM	WATER MAIN
HDC	HIGH DESERT CORRIDOR	WSP	WELDED STEEL PIPE
HSR	HIGH-SPEED RAIL	WT	WEIGHT
		WV	WATER VALVE
INV	INVERT		
IRR	IRRIGATION		
L	LENGTH		
LT	LEFT		
LMF	LIGHT MAINTENANCE FACILITY		
MAX	MAXIMUM		
MIN	MINIMUM		
MT	MAIN TRACK		
N	NORTH		
NB	NORTHBOUND		
PROP	PROPOSED		
P.S.	POWER STATION		

UTILITY OWNERS

AIR TOUCH	AIR TOUCH CELLULAR
AVEK W	ANTELOPE VALLEY - E. KERN WATER
AT&T DIST	AT&T DISTRIBUTION
AT&T TRANS	AT&T TRANSMISSION
BURBANK AIRPORT	BURBANK GLENDALE PASADENA AIRPORT AUTHORITY
BWP	BURBANK WATER & POWER
CENTURY L	CENTURYLINK
CITY OF BURBANK	CITY OF BURBANK
CITY OF GLENDALE	CITY OF GLENDALE
CITY OF LA	CITY OF LOS ANGELES - RECORDS SECTION
CITY OF SC	CITY OF SANTA CLARITA
CITY OF PALMDALE	CITY OF PALMDALE
CITY OF S FERNANDO	CITY OF SAN FERNANDO
CLEAR CHANNEL	CLEAR CHANNEL OUTDOOR
CROWN CASTLE	CROWN CASTLE
EL DORADO MWC	EL DORADO MUTUAL WATER COMPANY
EXXON	EXXON MOBIL PIPELINE CO
LACDPW	LA COUNTY DEPARTMENT OF PUBLIC WORKS
LACDPW-WW	LA COUNTY WATER WORKS
LACSD	LOS ANGELES COUNTY SANITATION DISTRICT
LADWP	LOS ANGELES DEPARTMENT OF WATER & POWER
LEVEL 3	LEVEL 3 COMMUNICATIONS
LIBERMAN	LIBERMAN BROADCASTING
NEWHALL CW	NEWHALL COUNTY WATER
MARCUS	MARCUS CABLE
MCI	MCI (VERIZON BUSINESS)
MWD	METROPOLITAN WATER DISTRICT
PALMDALE WD	PALMDALE WATER DISTRICT
PAAP	PLAINS ALL AMERICAN PIPELINE
PPS	PACIFIC PIPELINE
PT & T	PACIFIC TEL & TELEGRAPH
QWEST	QWEST COMMUNICATION
SCWC	SANTA CLARITA WATER CO
SCE TEL	SC EDISON - TELECOM
SCE DIST	SC EDISON - DIST/TELECOM
SCE	SOUTHERN CALIFORNIA EDISON
SCG	SC GAS - LANCASTER
SCG TRANS	SC GAS - TRANSMISSION
SUNESYS	SC GAS VICT - TRANSMISSION
SPRINT	SUNESYS, LLC
SPV WC	SPRINT
CA DWR	SPV WATER COMPANY
TESORO	STATE DEPARTMENT WATER RESOURCES
T-MOBILE	TESORO
TWC	T-MOBILE USA
VERIZON	TIME WARNER CABLE
WSP MWC	VERIZON - IRWINDALE
WILSHIRE CONN	WEST SIDE PARK MUTUAL WATER COMPANY
XO COMM	WILSHIRE CONNECTION LLC
ZAYO	XO COMMUNICATIONS
	ZAYO FNA ABOVE NET

GENERAL NOTES

- EXISTING UTILITIES IDENTIFIED WITH THE DISPOSITIONS 'RELOCATE', 'REMOVE' OR 'PROTECT IN PLACE' PERTAIN TO THAT PORTION OF THE UTILITY THAT IS LOCATED WITHIN THE PROPOSED, PERMANENT HSR RIGHT-OF-WAY

DESIGNED BY	A. TRONCOSO
DRAWN BY	L. GUERRERO
CHECKED BY	A. DUONG
IN CHARGE	A. RELANO
DATE	02/28/2019

PALMDALE SUBSECTION
DRAFT PE PD REV 01
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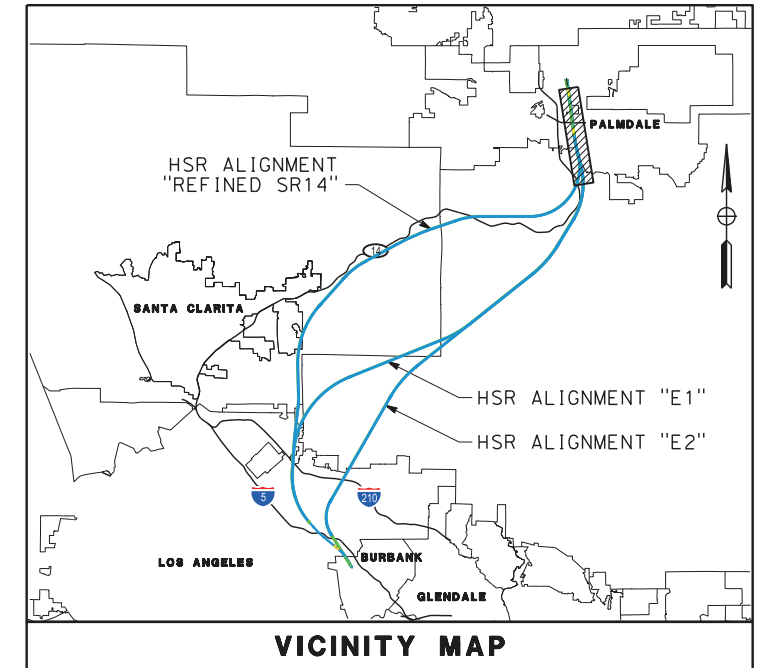
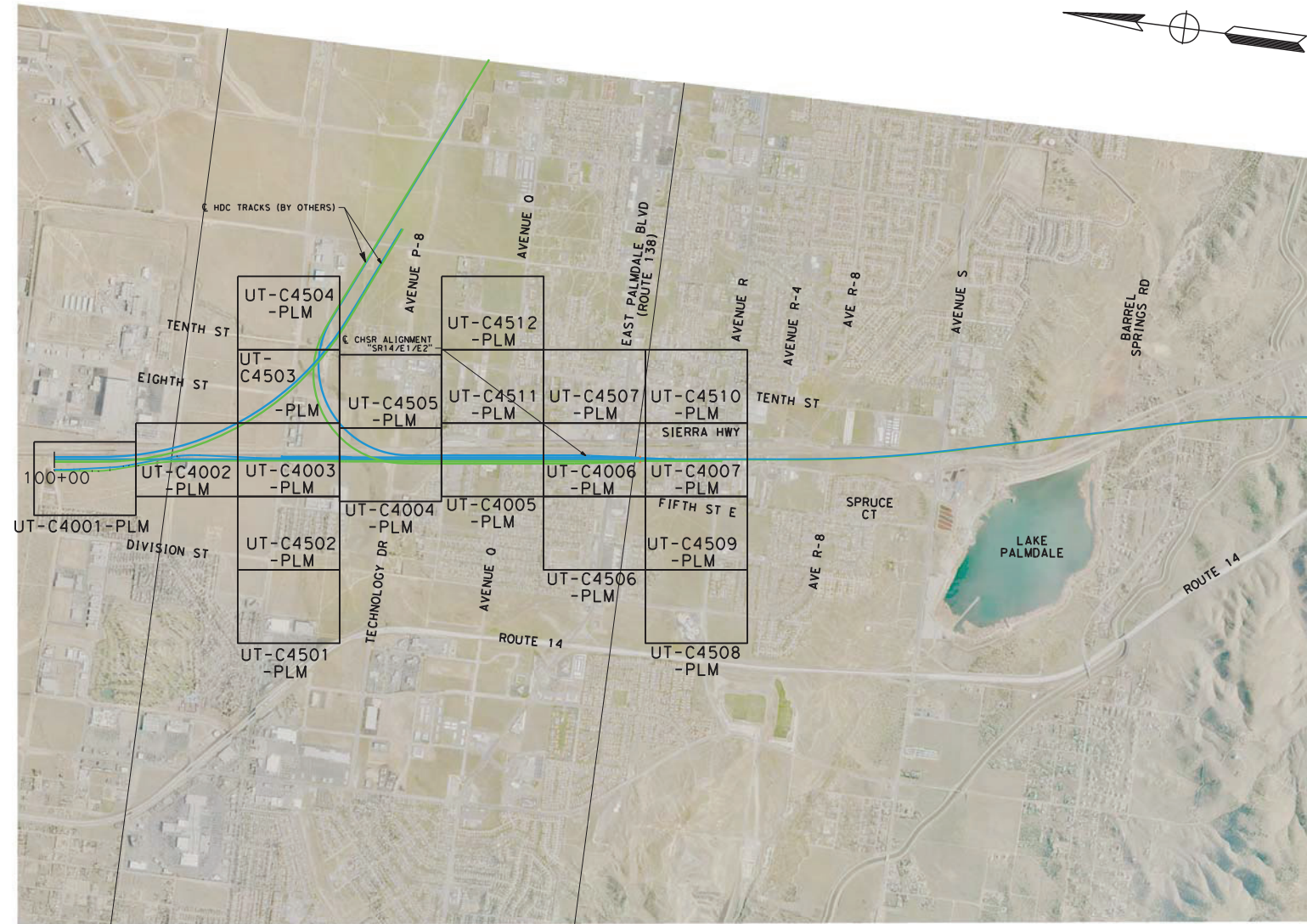


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
RELOCATION UTILITY PLANS
ABBREVIATIONS AND LEGEND

CONTRACT NO.	HSR14-42
DRAWING NO.	UT-B0002-PLM
SCALE	NO SCALE
SHEET NO.	

FILE \$
DATE \$
USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION
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REV	DATE	BY	CHK	APP	DESCRIPTION

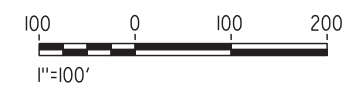
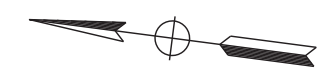
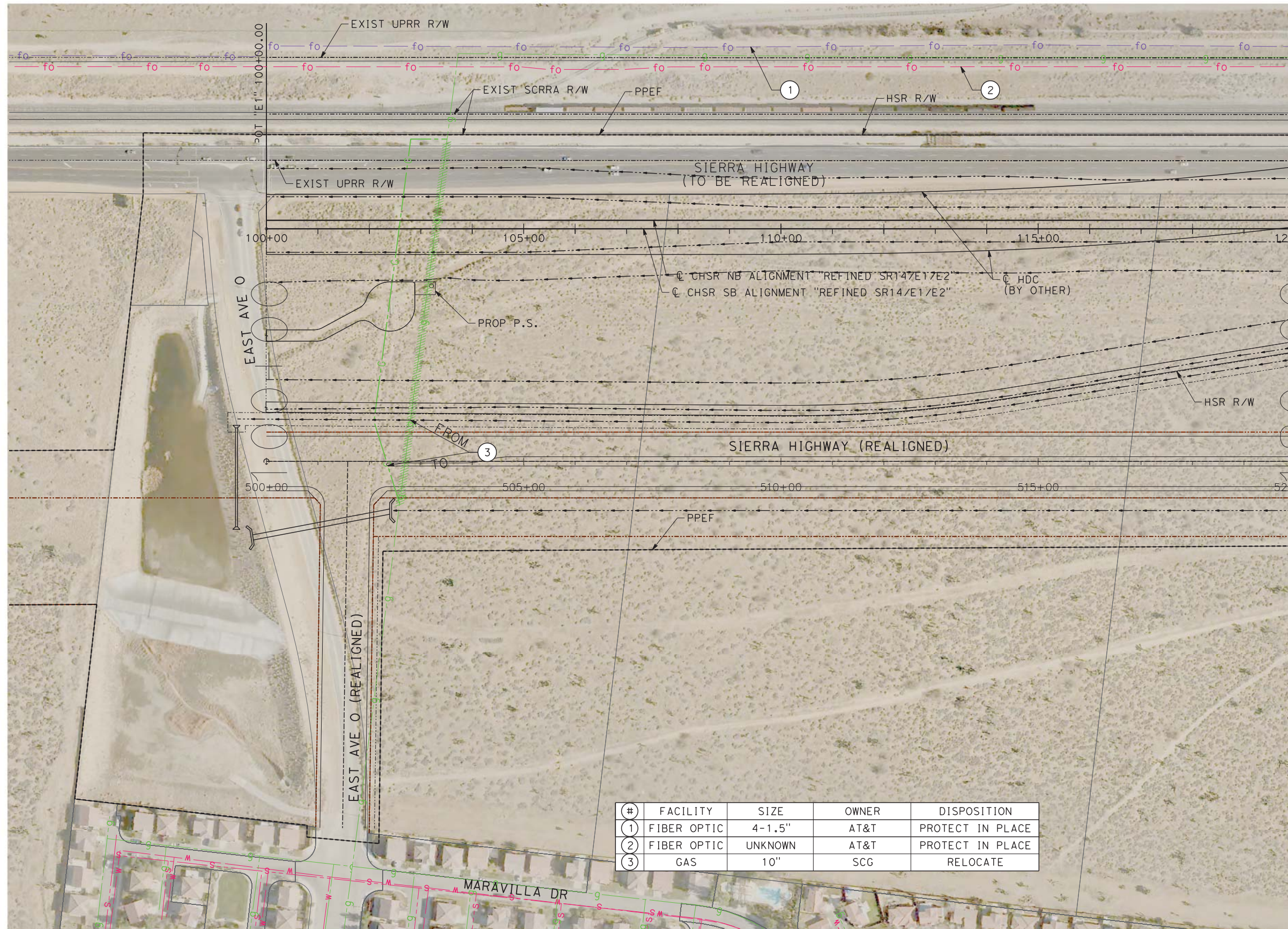
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A. TRONCOSO
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A. DUONG
 IN CHARGE
A. RELANO
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02/28/2019

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

CONTRACT NO.
 HSR14-42
 DRAWING NO.
 UT-B0003-PLM
 SCALE
 AS SHOWN
 SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	PROTECT IN PLACE
2	FIBER OPTIC	UNKNOWN	AT&T	PROTECT IN PLACE
3	GAS	10"	SCG	RELOCATE

\$USER \$ DATE \$ TIME \$ FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

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02/28/2019

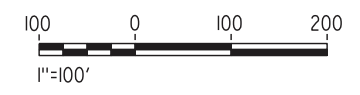
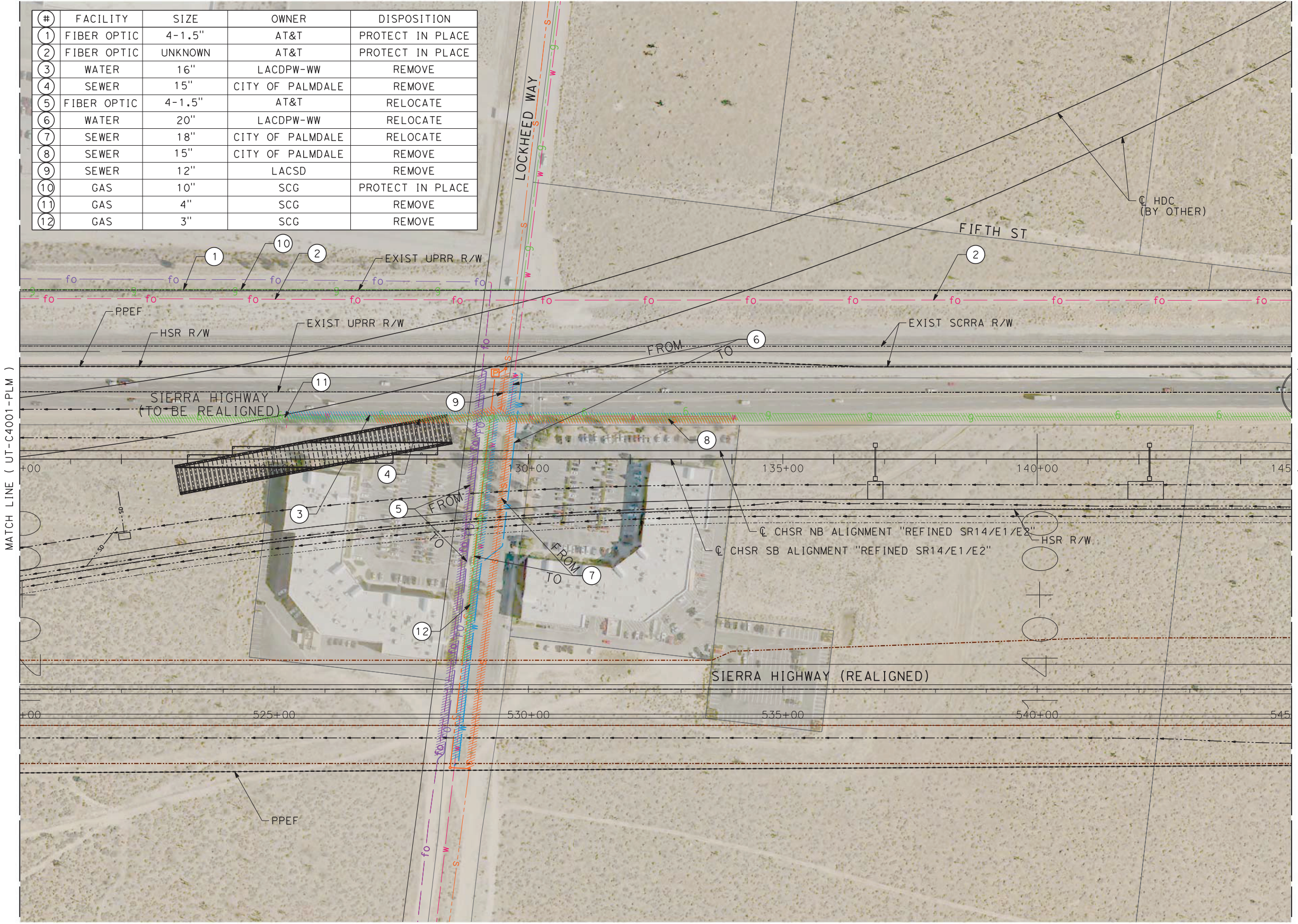
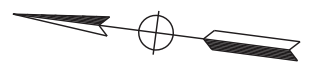
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14/E1/E2"
 RELOCATION UTILITY PLANS
 STA 100+00 TO STA 120+00

CONTRACT NO.
HSR14-42
 DRAWING NO.
UT-C4001-PLM
 SCALE
AS SHOWN
 SHEET NO.

#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	PROTECT IN PLACE
2	FIBER OPTIC	UNKNOWN	AT&T	PROTECT IN PLACE
3	WATER	16"	LACDPW-WW	REMOVE
4	SEWER	15"	CITY OF PALMDALE	REMOVE
5	FIBER OPTIC	4-1.5"	AT&T	RELOCATE
6	WATER	20"	LACDPW-WW	RELOCATE
7	SEWER	18"	CITY OF PALMDALE	RELOCATE
8	SEWER	15"	CITY OF PALMDALE	REMOVE
9	SEWER	12"	LACSD	REMOVE
10	GAS	10"	SCG	PROTECT IN PLACE
11	GAS	4"	SCG	REMOVE
12	GAS	3"	SCG	REMOVE



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IN CHARGE
A. RELANO
DATE
02/28/2019

PALMDALE SUBSECTION
DRAFT PEPP REV01
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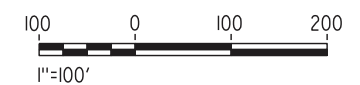
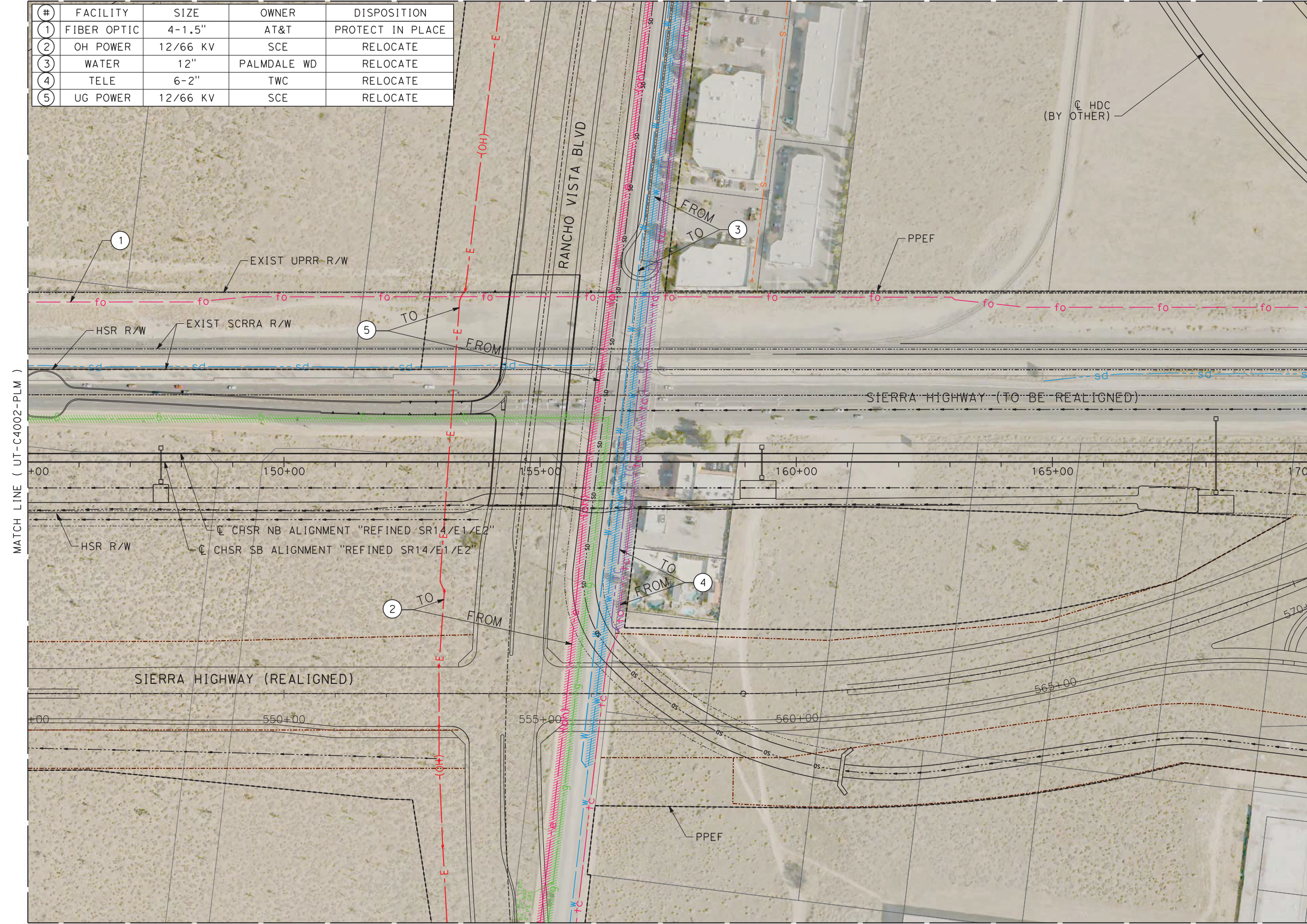


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 120+00 TO STA 145+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4002-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4503-PLM)

#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	PROTECT IN PLACE
2	OH POWER	12/66 KV	SCE	RELOCATE
3	WATER	12"	PALMDALE WD	RELOCATE
4	TELE	6-2"	TWC	RELOCATE
5	UG POWER	12/66 KV	SCE	RELOCATE



MATCH LINE (UT-C4502-PLM)

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REV	DATE	BY	CHK	APP	DESCRIPTION

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02/28/2019

**PALMDALE
SUBSECTION**
DRAFT PEPP REV01
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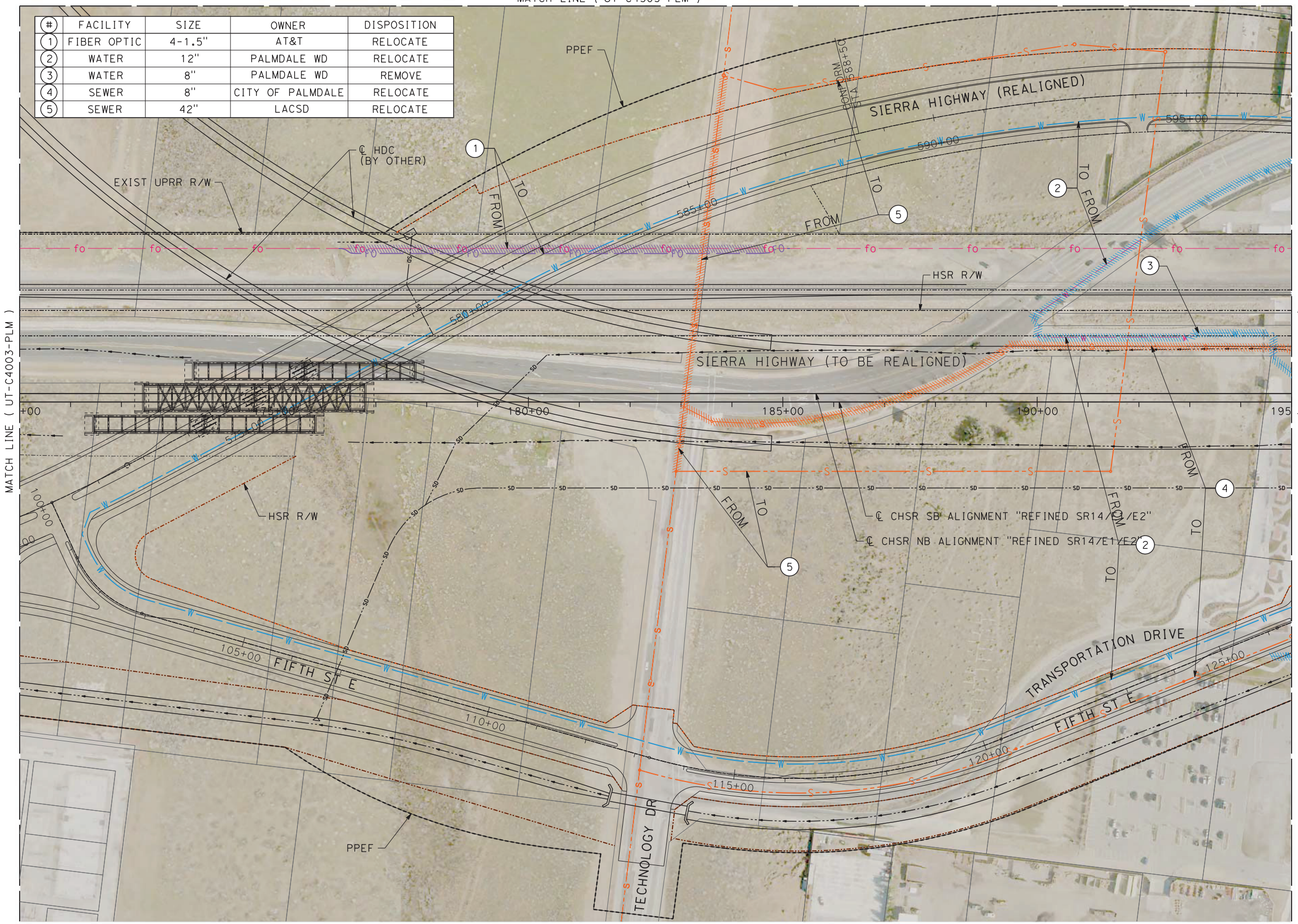
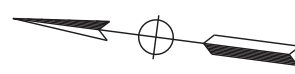


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 145+00 TO STA 170+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4003-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4505-PLM)

#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	RELOCATE
2	WATER	12"	PALMDALE WD	RELOCATE
3	WATER	8"	PALMDALE WD	REMOVE
4	SEWER	8"	CITY OF PALMDALE	RELOCATE
5	SEWER	42"	LACSD	RELOCATE



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IN CHARGE
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PALMDALE SUBSECTION
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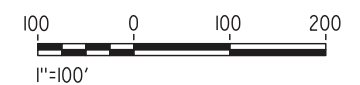
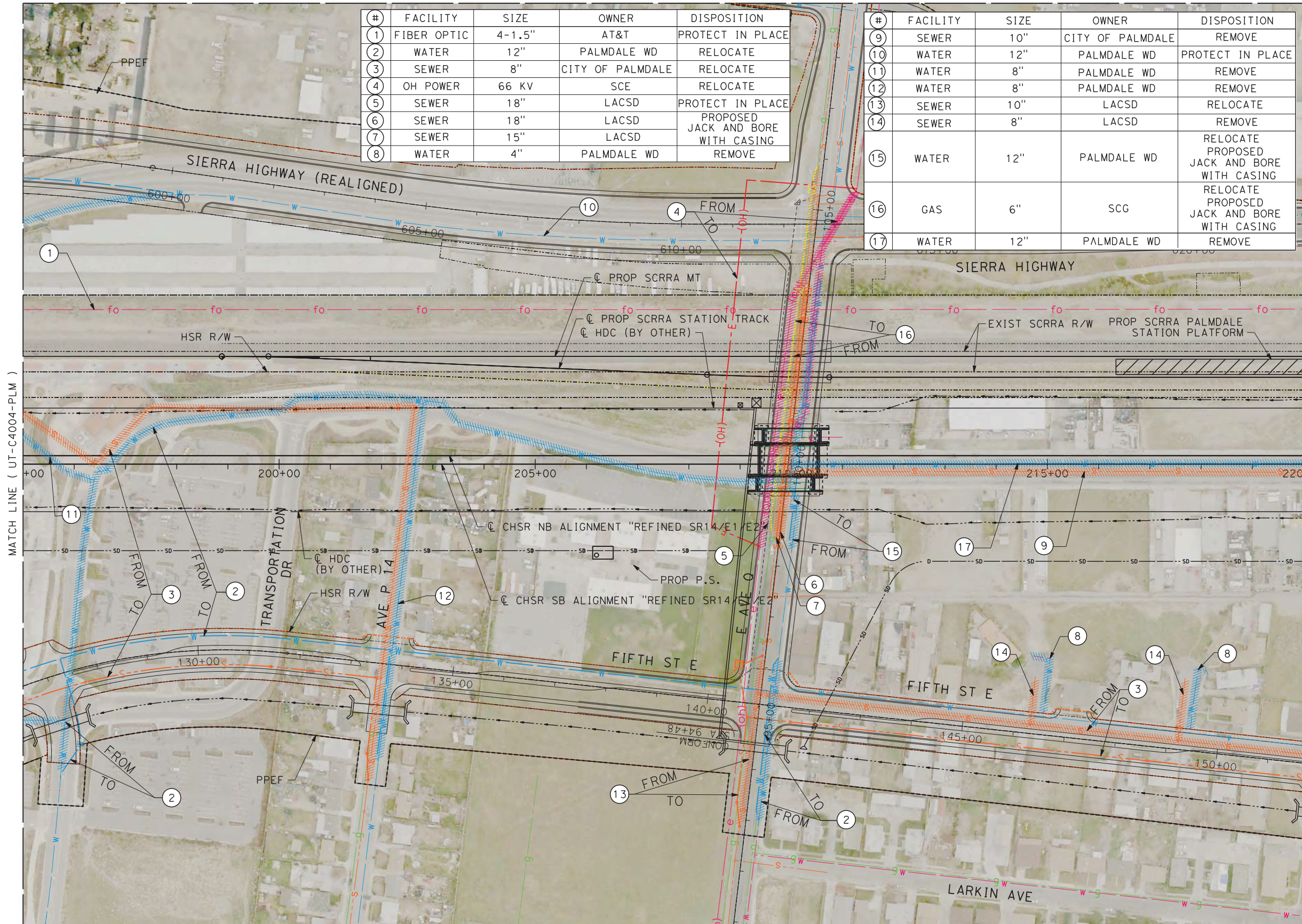
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 170+00 TO STA 195+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4004-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4511-PLM)

#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	PROTECT IN PLACE
2	WATER	12"	PALMDALE WD	RELOCATE
3	SEWER	8"	CITY OF PALMDALE	RELOCATE
4	OH POWER	66 KV	SCE	RELOCATE
5	SEWER	18"	LACSD	PROTECT IN PLACE
6	SEWER	18"	LACSD	PROPOSED JACK AND BORE WITH CASING
7	SEWER	15"	LACSD	RELOCATE
8	WATER	4"	PALMDALE WD	REMOVE

#	FACILITY	SIZE	OWNER	DISPOSITION
9	SEWER	10"	CITY OF PALMDALE	REMOVE
10	WATER	12"	PALMDALE WD	PROTECT IN PLACE
11	WATER	8"	PALMDALE WD	REMOVE
12	WATER	8"	PALMDALE WD	REMOVE
13	SEWER	10"	LACSD	RELOCATE
14	SEWER	8"	LACSD	REMOVE
15	WATER	12"	PALMDALE WD	RELOCATE PROPOSED JACK AND BORE WITH CASING
16	GAS	6"	SCG	RELOCATE PROPOSED JACK AND BORE WITH CASING
17	WATER	12"	PALMDALE WD	REMOVE



\$DATE \$ \$TIME \$ \$FILE \$ \$USER \$

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PALMDALE SUBSECTION
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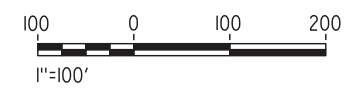
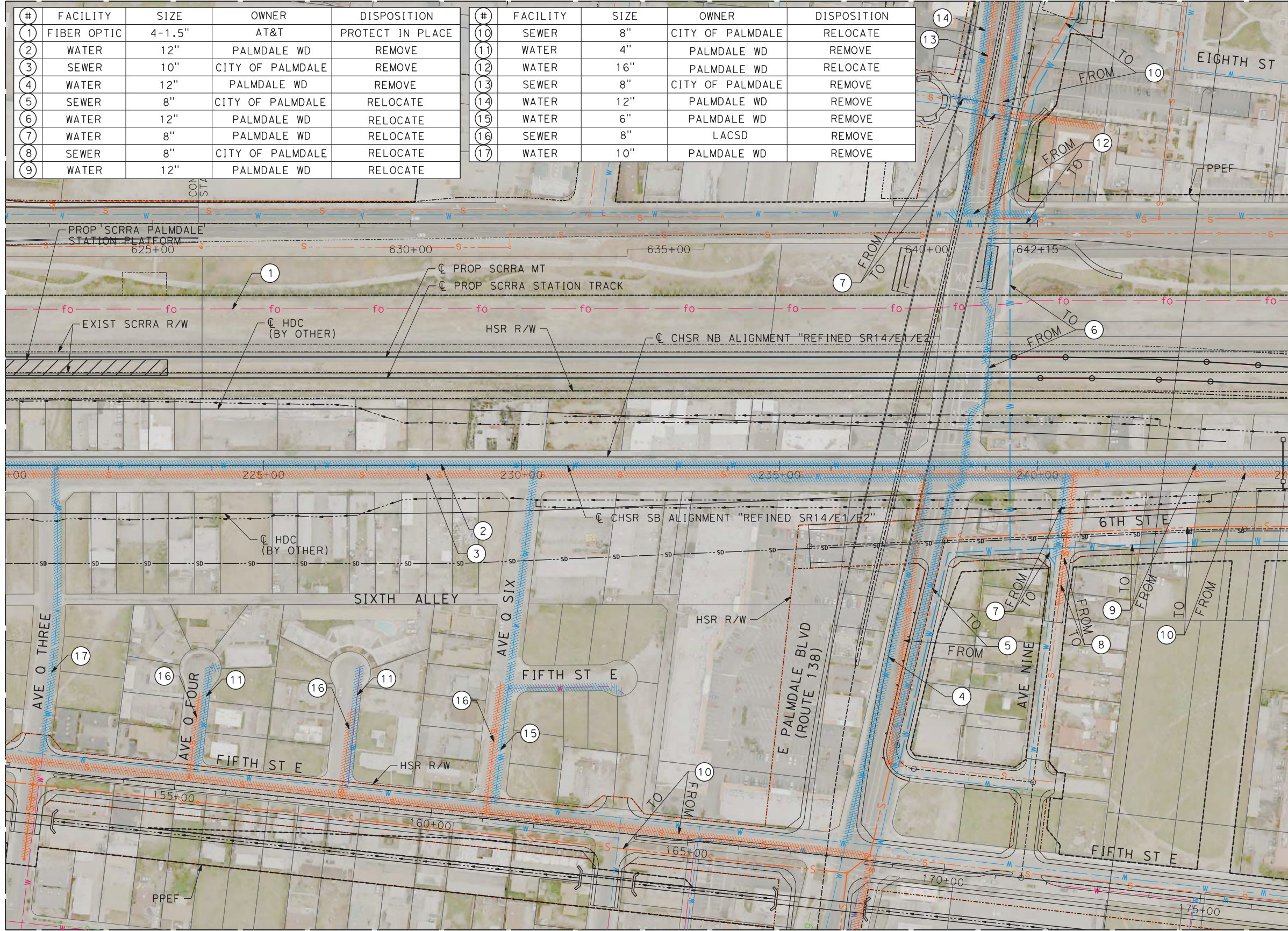


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 195+00 TO STA 220+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4005-PLM
SCALE
AS SHOWN
SHEET NO.

#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	4-1.5"	AT&T	PROTECT IN PLACE
2	WATER	12"	PALMDALE WD	REMOVE
3	SEWER	10"	CITY OF PALMDALE	REMOVE
4	WATER	12"	PALMDALE WD	REMOVE
5	SEWER	8"	CITY OF PALMDALE	RELOCATE
6	WATER	12"	PALMDALE WD	RELOCATE
7	WATER	8"	PALMDALE WD	RELOCATE
8	SEWER	8"	CITY OF PALMDALE	RELOCATE
9	WATER	12"	PALMDALE WD	RELOCATE

#	FACILITY	SIZE	OWNER	DISPOSITION
10	SEWER	8"	CITY OF PALMDALE	RELOCATE
11	WATER	4"	PALMDALE WD	REMOVE
12	WATER	16"	PALMDALE WD	RELOCATE
13	SEWER	8"	CITY OF PALMDALE	REMOVE
14	WATER	12"	PALMDALE WD	REMOVE
15	WATER	6"	PALMDALE WD	REMOVE
16	SEWER	8"	LACSD	REMOVE
17	WATER	10"	PALMDALE WD	REMOVE



MATCH LINE (UT-C4005-PLM)

MATCH LINE (UT-C4007-PLM)

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REV	DATE	BY	CHK	APP	DESCRIPTION

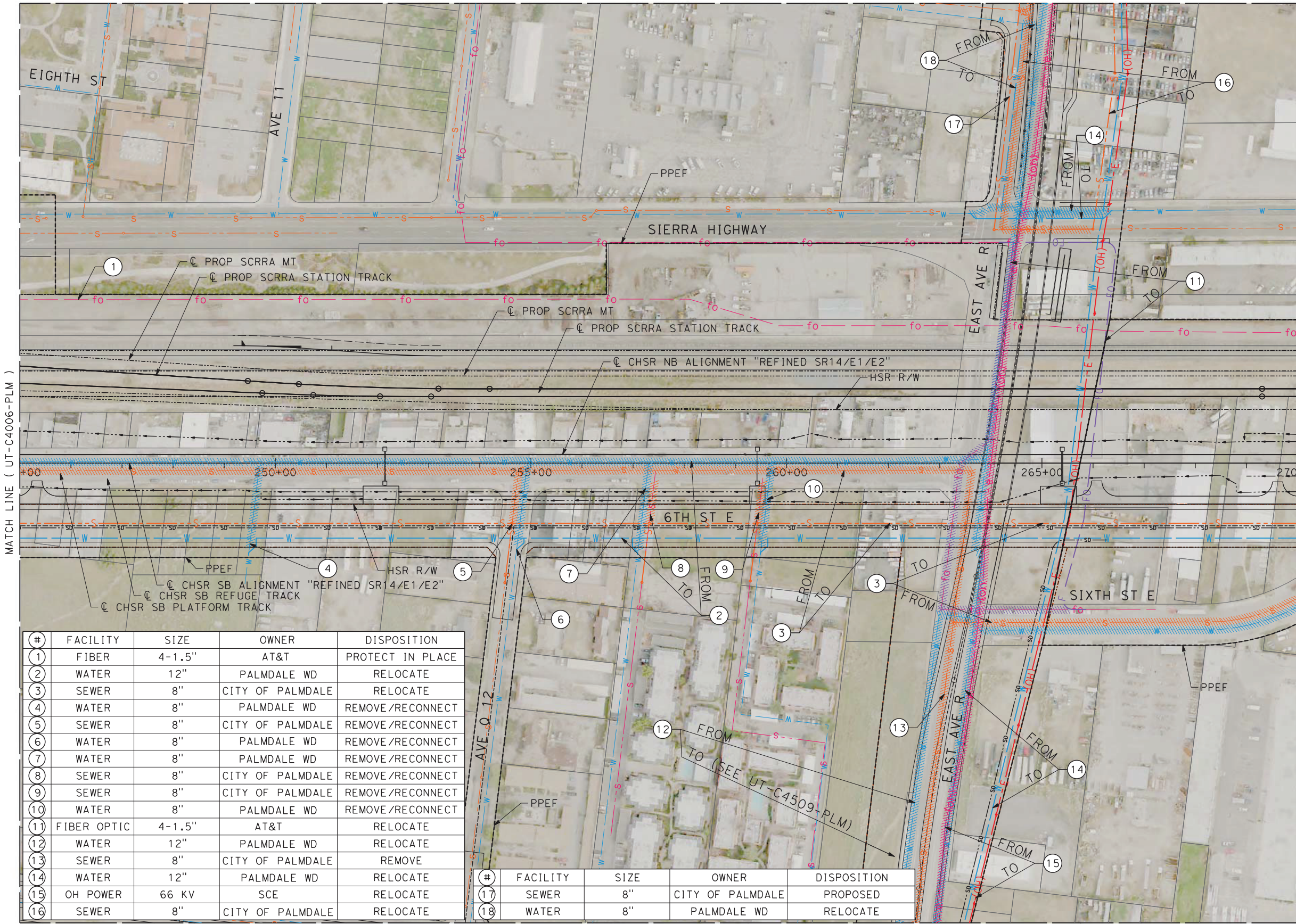
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A. TRONCOSO
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PALMDALE SUBSECTION
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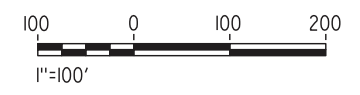


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 220+00 TO STA 245+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4006-PLM
SCALE
AS SHOWN
SHEET NO.



MATCH LINE (UT-C4008-S14 / UT-C4008-E1 / UT-C4008-E2)



#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER	4-1.5"	AT&T	PROTECT IN PLACE
2	WATER	12"	PALMDALE WD	RELOCATE
3	SEWER	8"	CITY OF PALMDALE	RELOCATE
4	WATER	8"	PALMDALE WD	REMOVE/RECONNECT
5	SEWER	8"	CITY OF PALMDALE	REMOVE/RECONNECT
6	WATER	8"	PALMDALE WD	REMOVE/RECONNECT
7	WATER	8"	PALMDALE WD	REMOVE/RECONNECT
8	SEWER	8"	CITY OF PALMDALE	REMOVE/RECONNECT
9	SEWER	8"	CITY OF PALMDALE	REMOVE/RECONNECT
10	WATER	8"	PALMDALE WD	REMOVE/RECONNECT
11	FIBER OPTIC	4-1.5"	AT&T	RELOCATE
12	WATER	12"	PALMDALE WD	RELOCATE
13	SEWER	8"	CITY OF PALMDALE	RELOCATE
14	WATER	12"	PALMDALE WD	RELOCATE
15	OH POWER	66 KV	SCE	RELOCATE
16	SEWER	8"	CITY OF PALMDALE	RELOCATE

#	FACILITY	SIZE	OWNER	DISPOSITION
17	SEWER	8"	CITY OF PALMDALE	PROPOSED
18	WATER	8"	PALMDALE WD	RELOCATE

\$DATE\$ \$TIME\$ \$USER\$ \$FILE\$

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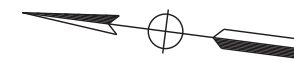
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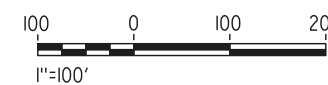


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS
STA 245+00 TO STA 270+00

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4007-PLM
SCALE
AS SHOWN
SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	UNKNOWN	PALMDALE WD	PROTECT IN PLACE
2	SEWER	UNKNOWN	CITY OF PALMDALE	PROTECT IN PLACE
3	WATER	14"	PALMDALE WD	PROTECT IN PLACE
4	OH POWER	12/66 KV	SCE	PROTECT IN PLACE



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**PALMDALE
SUBSECTION**

DRAFT PEPP REV01

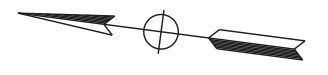
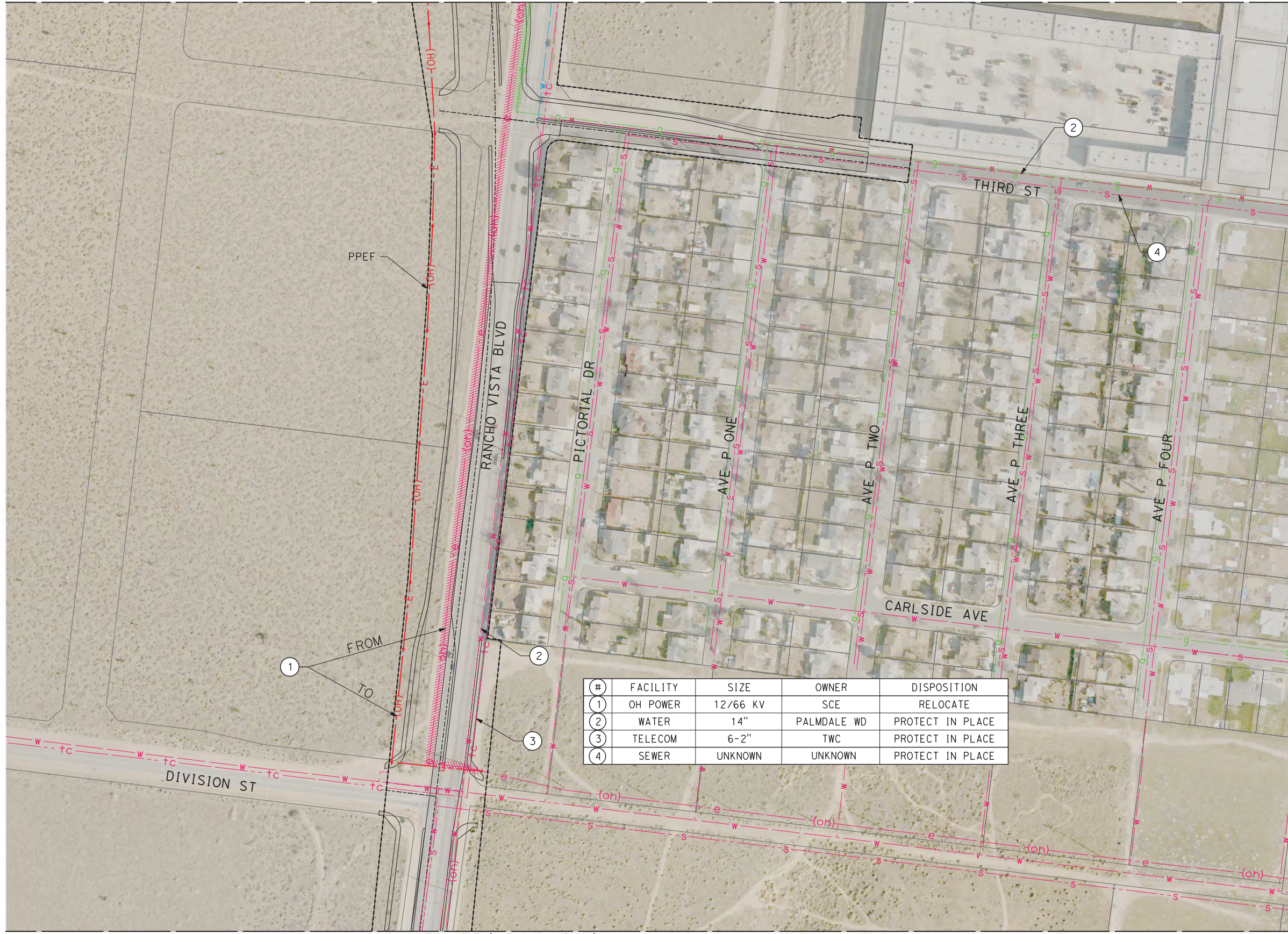
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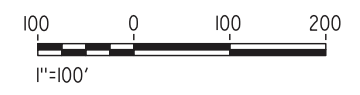
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4501-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4003-PLM)



#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12/66 KV	SCE	RELOCATE
2	WATER	14"	PALMDALE WD	PROTECT IN PLACE
3	TELECOM	6-2"	TWC	PROTECT IN PLACE
4	SEWER	UNKNOWN	UNKNOWN	PROTECT IN PLACE



MATCH LINE (UT-C4501-PLM)

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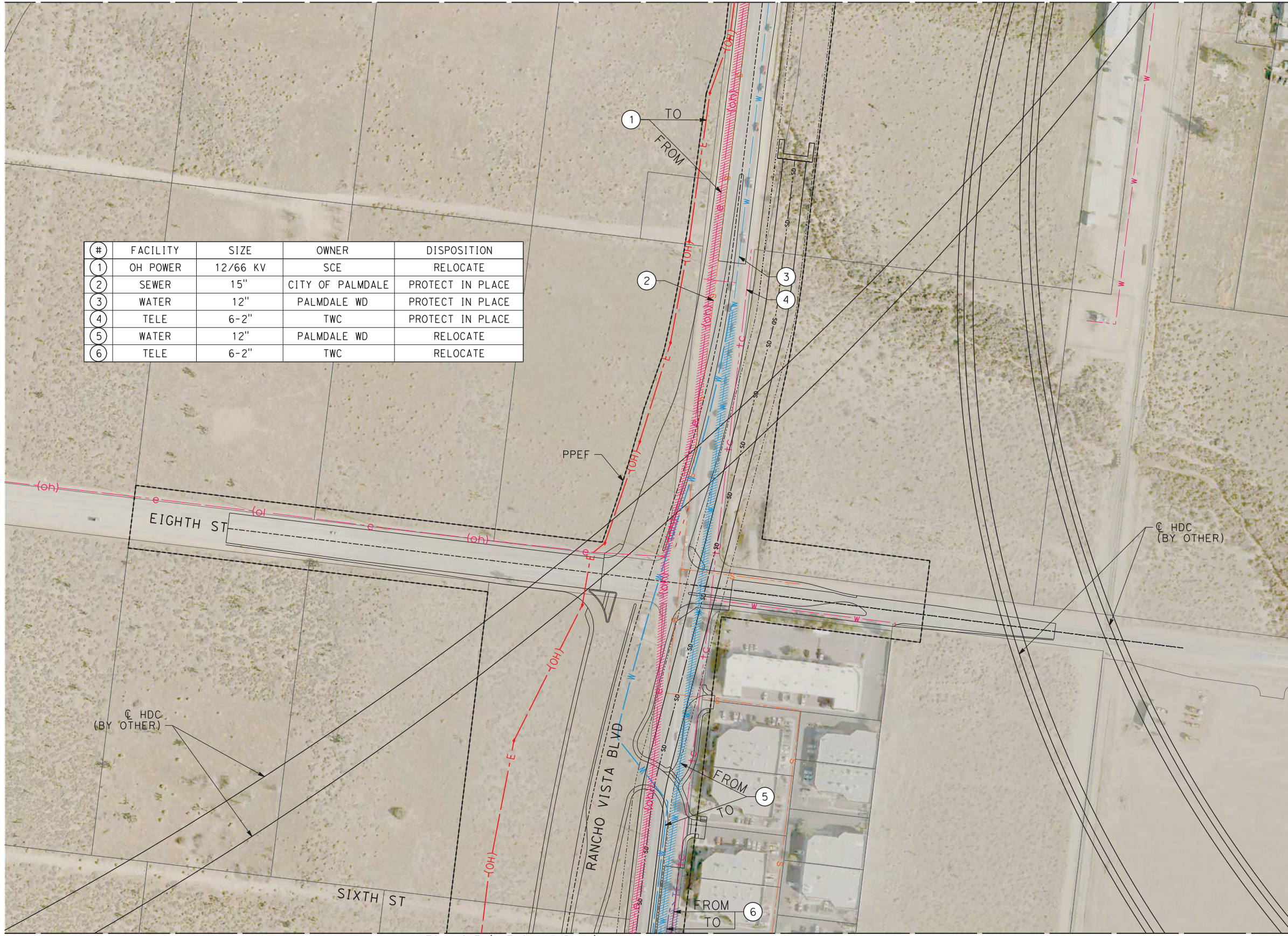
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DRAFT PEPP REV01
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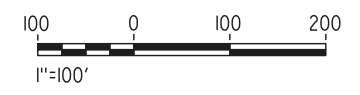
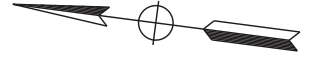
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4502-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4504-PLM)



#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12/66 KV	SCE	RELOCATE
2	SEWER	15"	CITY OF PALMDALE	PROTECT IN PLACE
3	WATER	12"	PALMDALE WD	PROTECT IN PLACE
4	TELE	6-2"	TWC	PROTECT IN PLACE
5	WATER	12"	PALMDALE WD	RELOCATE
6	TELE	6-2"	TWC	RELOCATE



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REV	DATE	BY	CHK	APP	DESCRIPTION

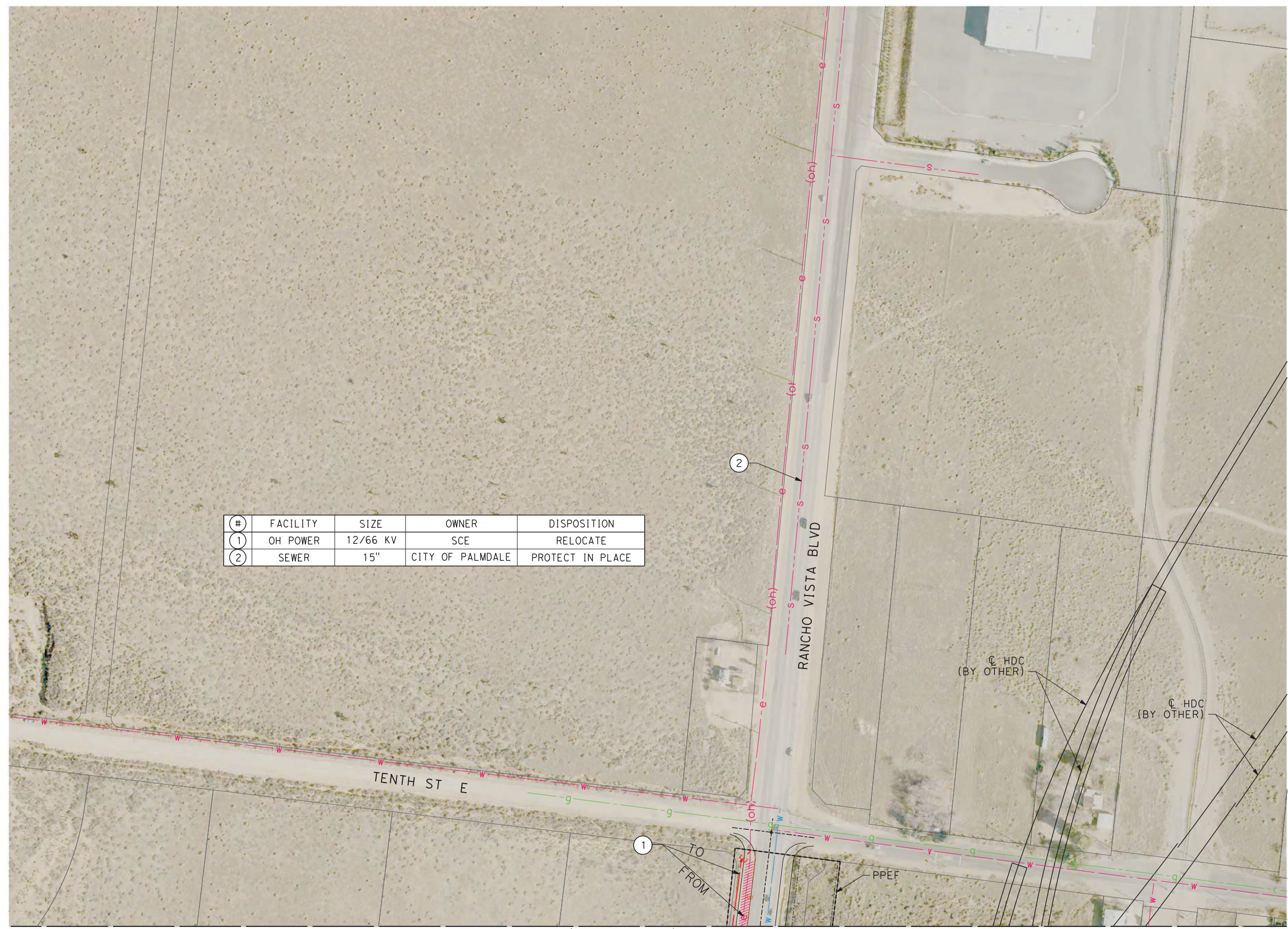
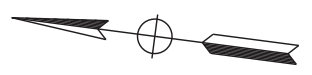
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PALMDALE SUBSECTION
DRAFT PEPP REV01
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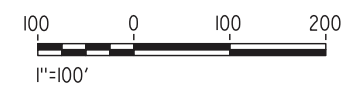


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4503-PLM
SCALE
AS SHOWN
SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12/66 KV	SCE	RELOCATE
2	SEWER	15"	CITY OF PALMDALE	PROTECT IN PLACE



MATCH LINE (UT-C4503-PLM)

\$DATE \$ \$TIME \$ \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

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L. GUERRERO
CHECKED BY
A. DUONG
IN CHARGE
A. RELANO
DATE
02/28/2019

**PALMDALE
SUBSECTION**
DRAFT PEPP REV01
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4504-PLM
SCALE
AS SHOWN
SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	PALMDALE WD	PROTECT IN PLACE
2	SEWER	42"	LACSD	PROTECT IN PLACE



\$DATE \$ \$TIME \$ \$FILE \$

\$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. TRONCOSO

DRAWN BY
L. GUERRERO

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A. DUONG

IN CHARGE
A. RELANO

DATE
02/28/2019

**PALMDALE
SUBSECTION**

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**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT

PALMDALE TO BURBANK

PALMDALE SUBSECTION

ALIGNMENT "REFINED SR14/E1/E2"

RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42

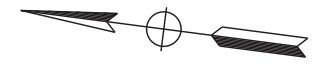
DRAWING NO.
UT-C4505-PLM

SCALE
AS SHOWN

SHEET NO.

MATCH LINE (UT-C4006-PLM)

#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	PALMDALE WD	PROTECT IN PLACE
2	SEWER	8"	CITY OF PALMDALE	RELOCATE



MATCH LINE (UT-C4509-PLM)



\$DATE \$ \$TIME \$ \$FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

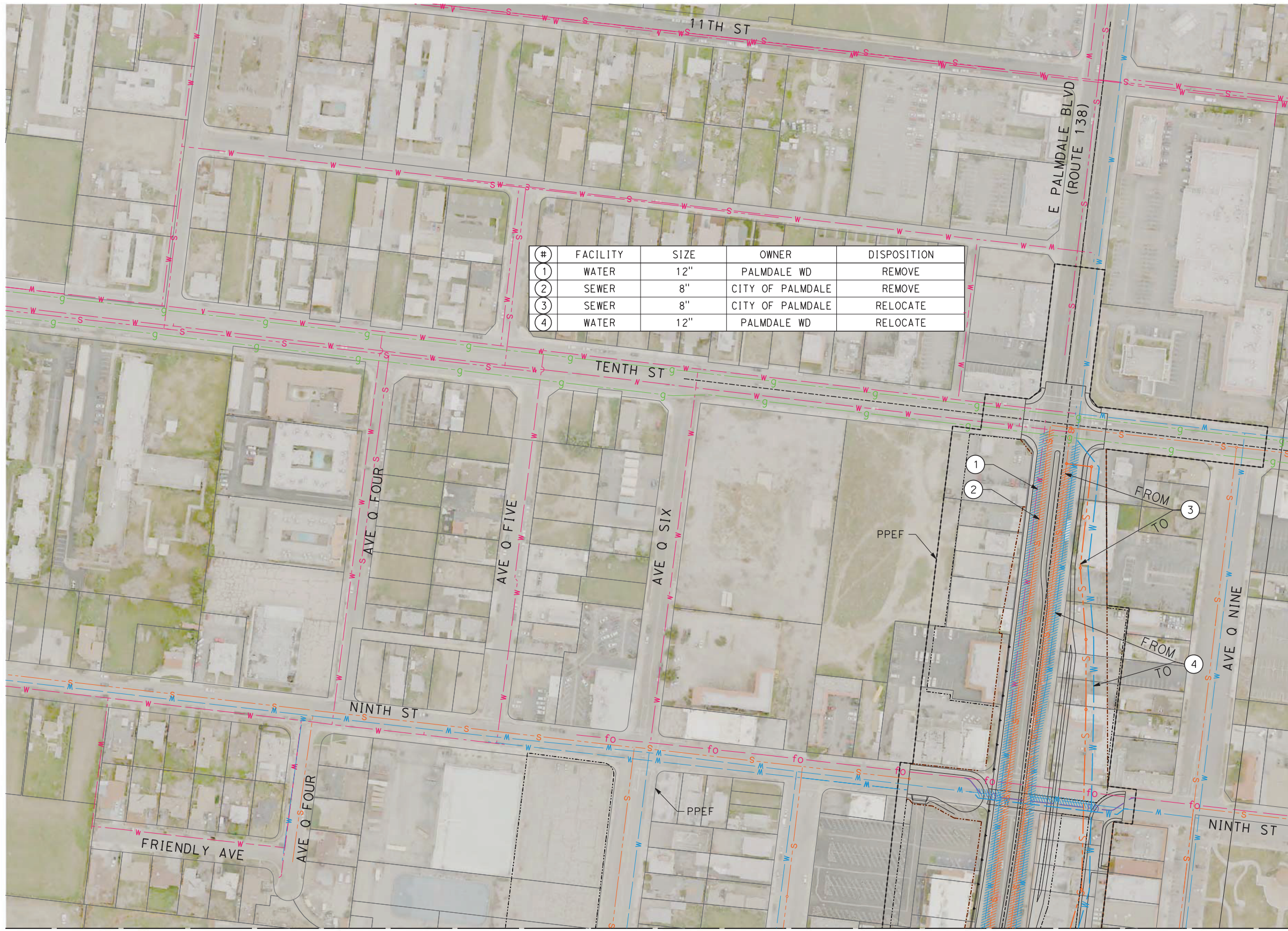
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A. TRONCOSO
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L. GUERRERO
CHECKED BY
A. DUONG
IN CHARGE
A. RELANO
DATE
02/28/2019

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

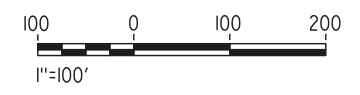
CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4506-PLM
SCALE
AS SHOWN
SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	PALMDALE WD	REMOVE
2	SEWER	8"	CITY OF PALMDALE	REMOVE
3	SEWER	8"	CITY OF PALMDALE	RELOCATE
4	WATER	12"	PALMDALE WD	RELOCATE

MATCH LINE (UT-C4510-PLM)

MATCH LINE (UT-C4006-PLM)



\$DATE \$ \$TIME \$ \$FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

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A. TRONCOSO
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L. GUERRERO
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A. DUONG
IN CHARGE
A. RELANO
DATE
02/28/2019

PALMDALE SUBSECTION
DRAFT PEPP REV01
NOT FOR CONSTRUCTION

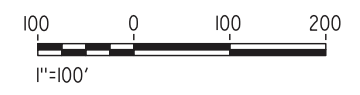


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4507-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4509-PLM)

#	FACILITY	SIZE	OWNER	DISPOSITION
①	SEWER	10"	CITY OF PALMDALE	PROTECT IN PLACE
②	WATER	12"	PALMDALE WD	PROTECT IN PLACE
③	OH POWER	66 KV	SCE	PROTECT IN PLACE



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DATE
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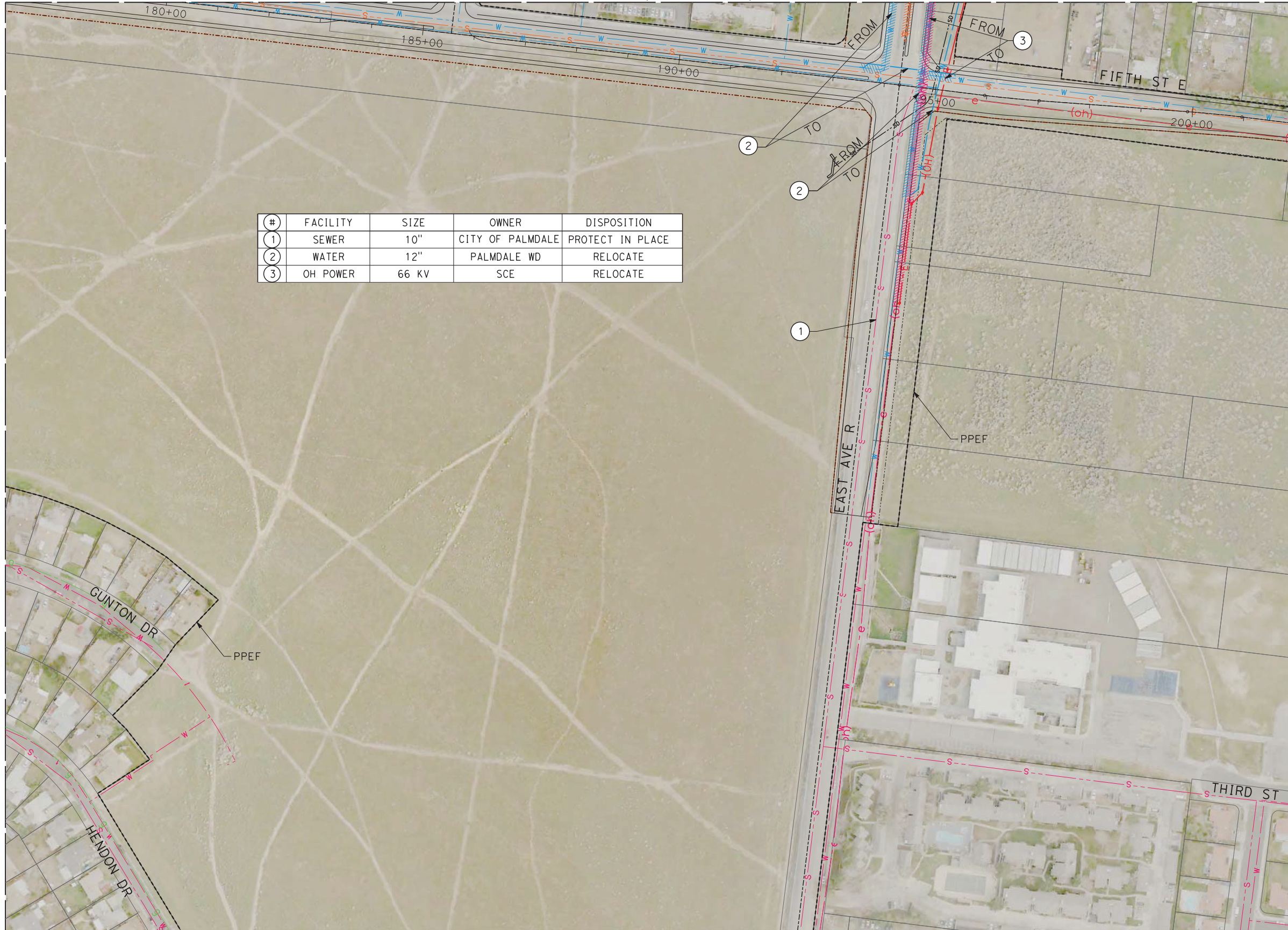
PALMDALE SUBSECTION
DRAFT PEPP REV01
NOT FOR CONSTRUCTION



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

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4508-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4007-PLM)



#	FACILITY	SIZE	OWNER	DISPOSITION
①	SEWER	10"	CITY OF PALMDALE	PROTECT IN PLACE
②	WATER	12"	PALMDALE WD	RELOCATE
③	OH POWER	66 KV	SCE	RELOCATE

MATCH LINE (UT-C4506-PLM)

MATCH LINE (UT-C4508-PLM)

\$FILE\$

\$TIME\$

\$DATE\$

\$USER\$

REV	DATE	BY	CHK	APP	DESCRIPTION

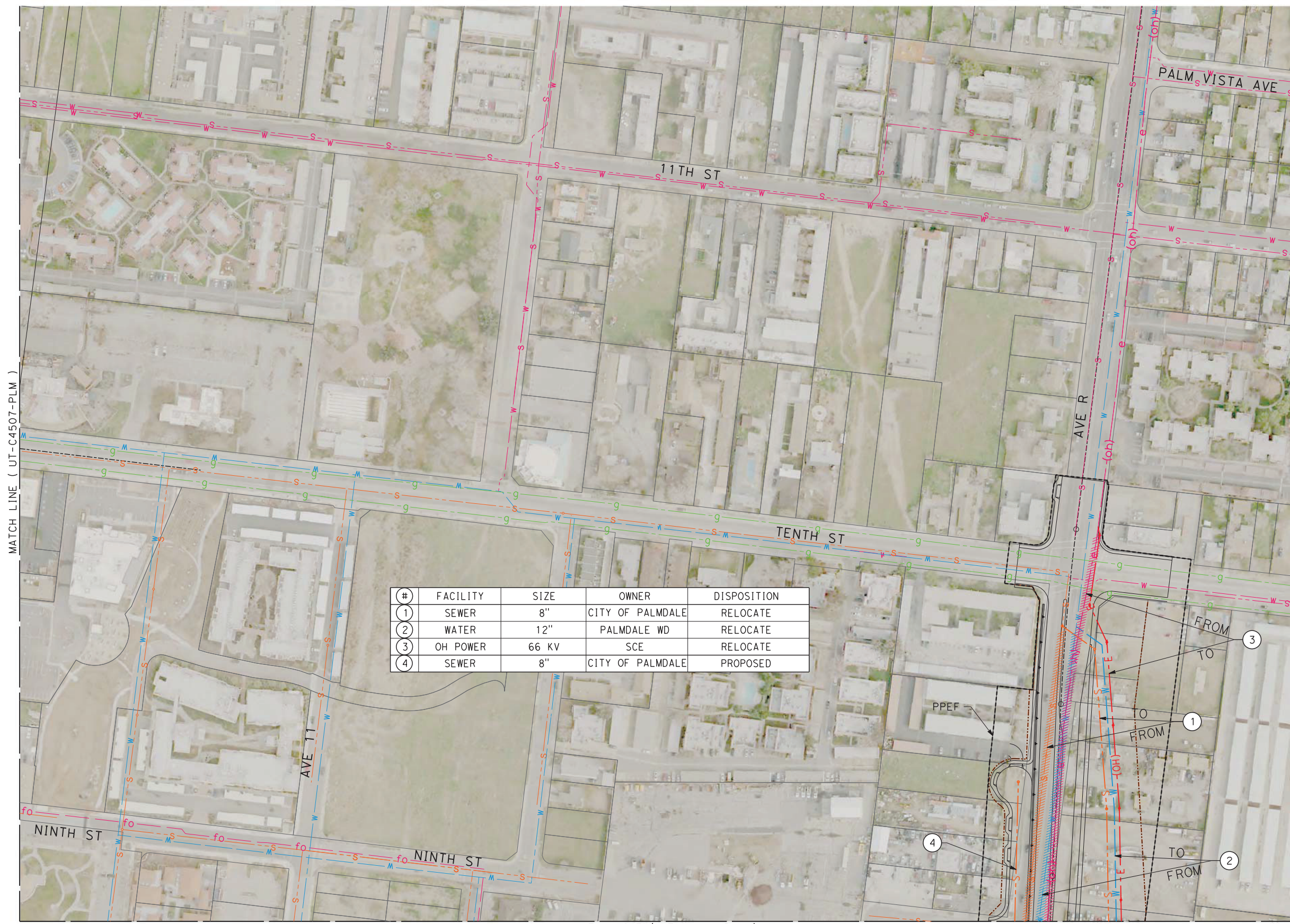
DESIGNED BY
A. TRONCOSO
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DATE
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PALMDALE SUBSECTION
DRAFT PEPP REV01
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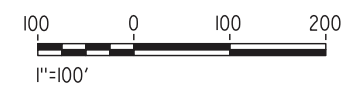


CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4509-PLM
SCALE
AS SHOWN
SHEET NO.



#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	8"	CITY OF PALMDALE	RELOCATE
2	WATER	12"	PALMDALE WD	RELOCATE
3	OH POWER	66 KV	SCE	RELOCATE
4	SEWER	8"	CITY OF PALMDALE	PROPOSED



MATCH LINE (UT-C4507-PLM)

MATCH LINE (UT-C4007-PLM)

\$USER \$ DATE \$ TIME \$ FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

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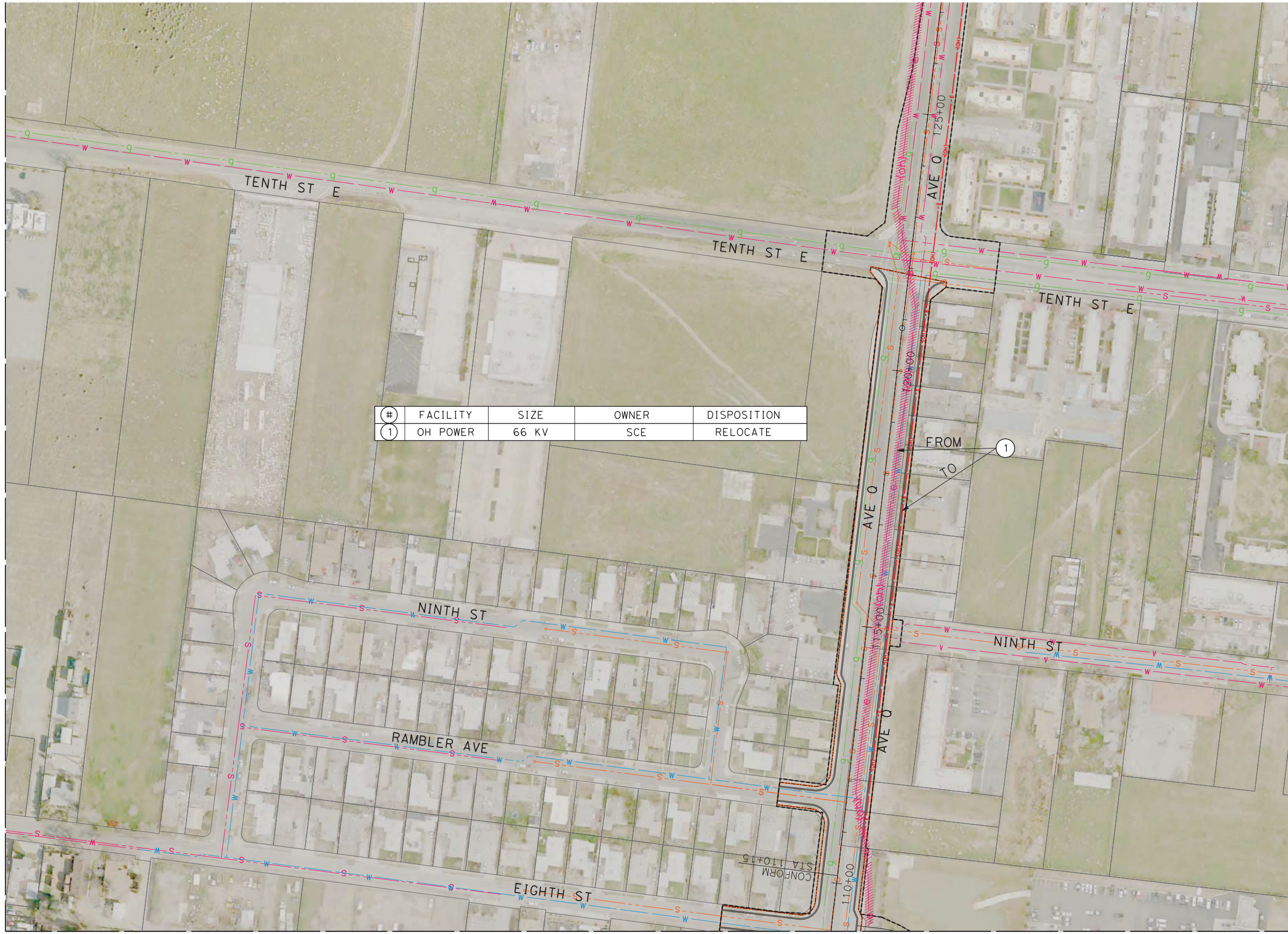
**PALMDALE
SUBSECTION**
DRAFT PEPP REV01
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CONSTRUCTION**



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

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4510-PLM
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4512-PLM)

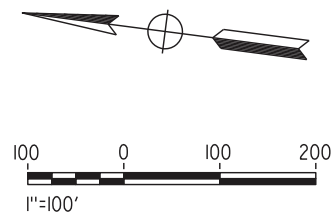


#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	66 KV	SCE	RELOCATE

MATCH LINE (UT-C4505-PLM)

MATCH LINE (UT-C4507-PLM)

MATCH LINE (UT-C4005-PLM)



\$DATE\$ \$TIME\$ \$FILE\$

\$USER\$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
PALMDALE SUBSECTION
ALIGNMENT "REFINED SR14/E1/E2"
RELOCATION UTILITY PLANS

CONTRACT NO.
HSR14-42
DRAWING NO.
UT-C4511-PLM
SCALE
AS SHOWN
SHEET NO.

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#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	66 KV	SCE	RELOCATE

MATCH LINE (UT-C4511-PLM)

REV	DATE	BY	CHK	APP	DESCRIPTION

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**PALMDALE
 SUBSECTION**
DRAFT PEPD REV01
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 PALMDALE SUBSECTION
 ALIGNMENT "REFINED SR14/E1/E2"
 RELOCATION UTILITY PLANS

CONTRACT NO.
 HSR14-42
 DRAWING NO.
 UT-C4512-PLM
 SCALE
 AS SHOWN
 SHEET NO.