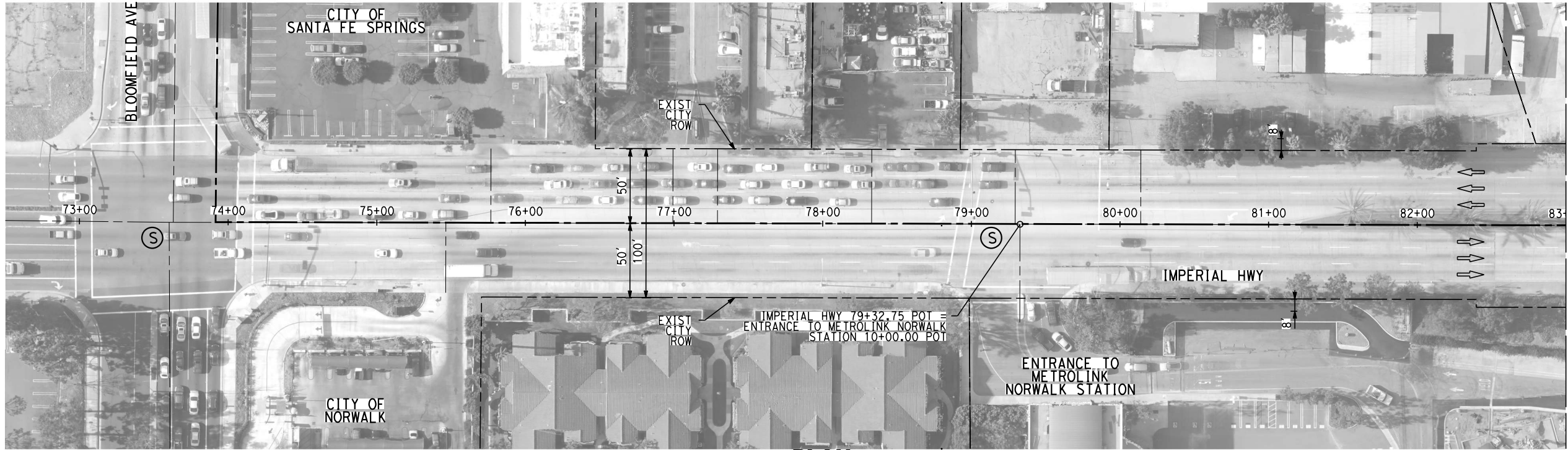
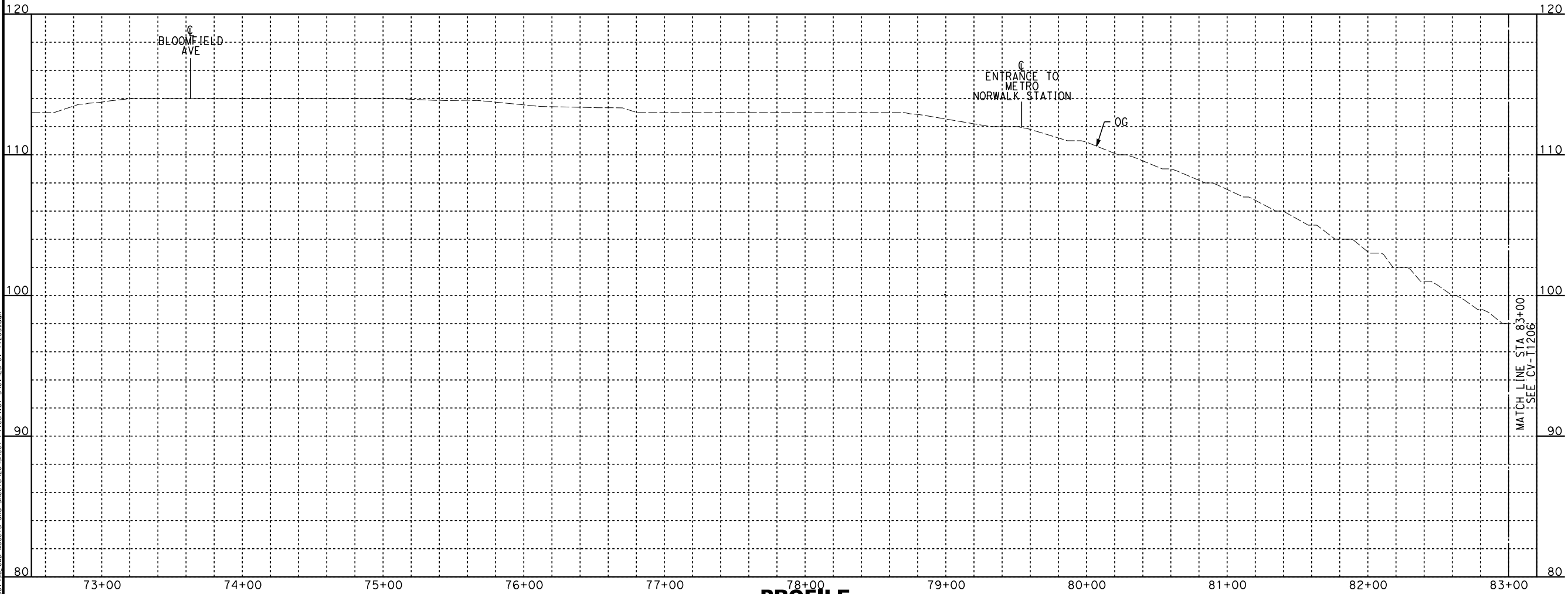
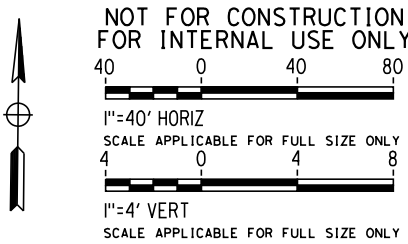




PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PROFILE

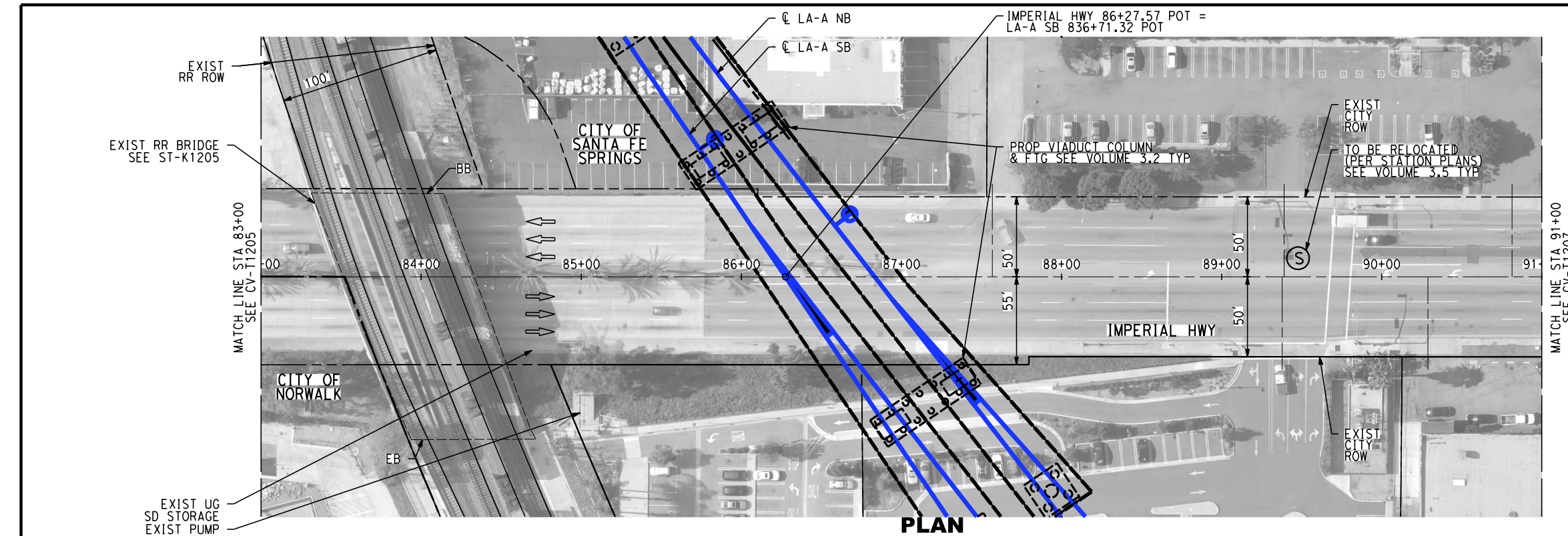
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 08/29/25



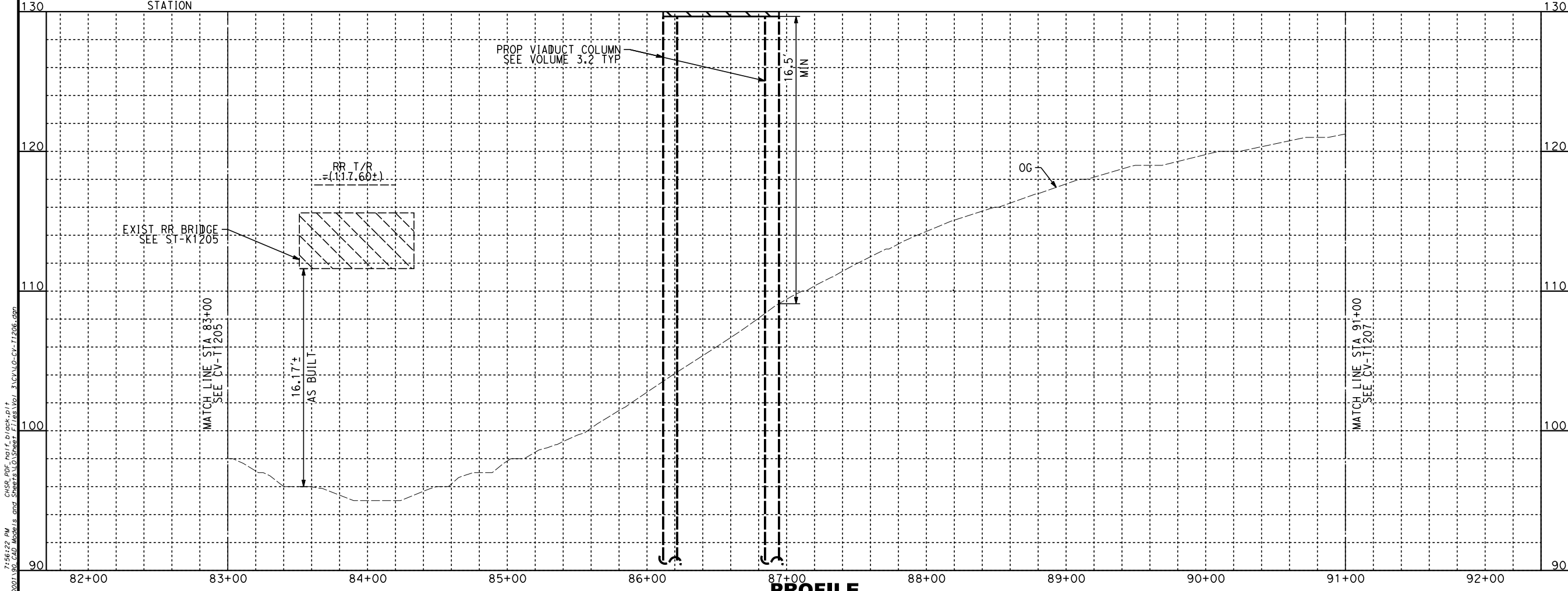
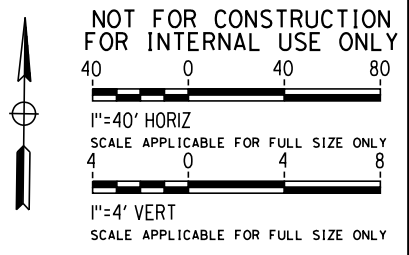
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
PLAN AND PROFILE - SHEET 1 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1205
SCALE AS SHOWN
SHEET NO.



PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. FOR AERIAL STRUCTURAL, SEE VOLUME 3.2.



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

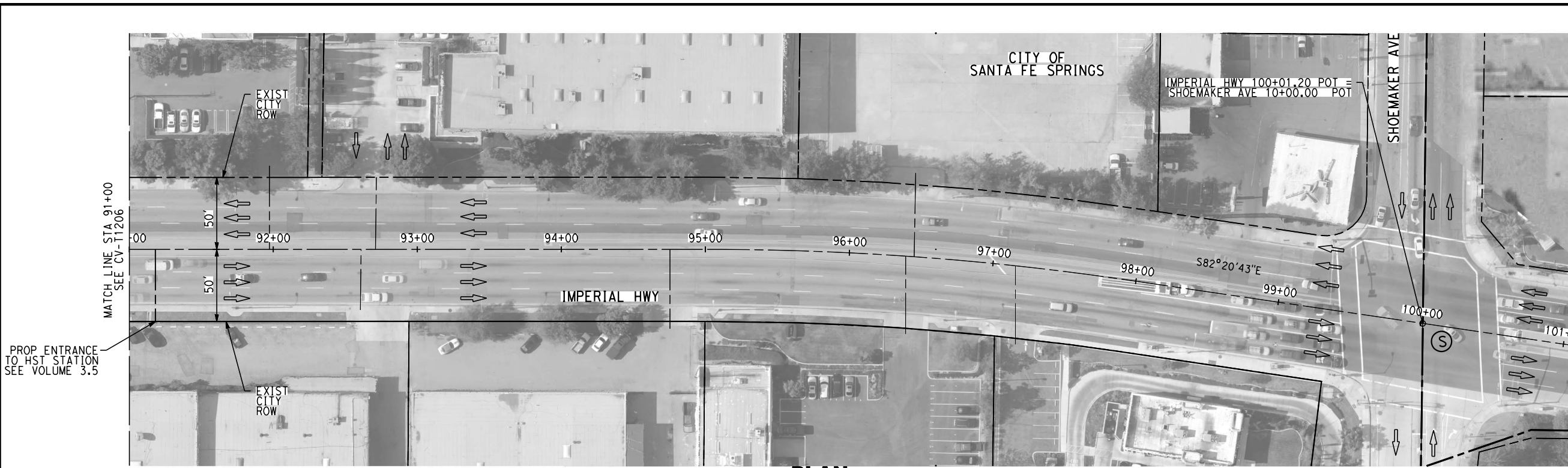
NOT FOR
CONSTRUCTION



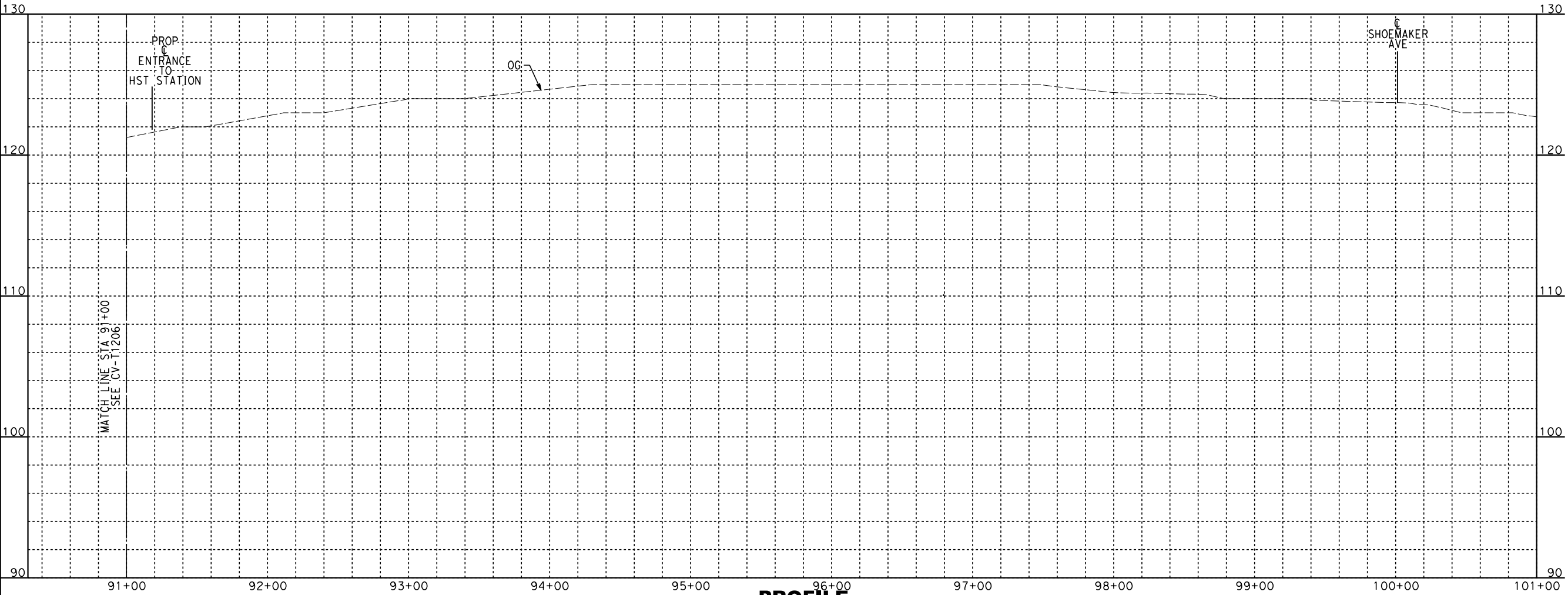
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
PLAN AND PROFILE - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1206
SCALE
AS SHOWN
SHEET NO.

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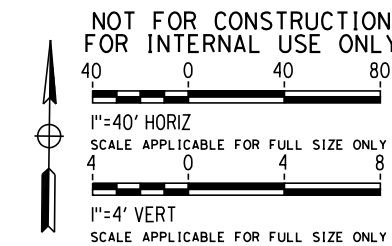


PLAN



PROFILE

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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USE ONLY

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
PLAN AND PROFILE - SHEET 3 OF 3

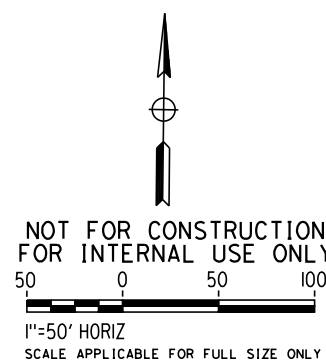
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1207
SCALE AS SHOWN
SHEET NO.



Ⓢ m1
Ⓢ m2
Ⓢ m3
Ⓢ m4

MATCH LINE STA 83+00
SEE CV-T1209

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



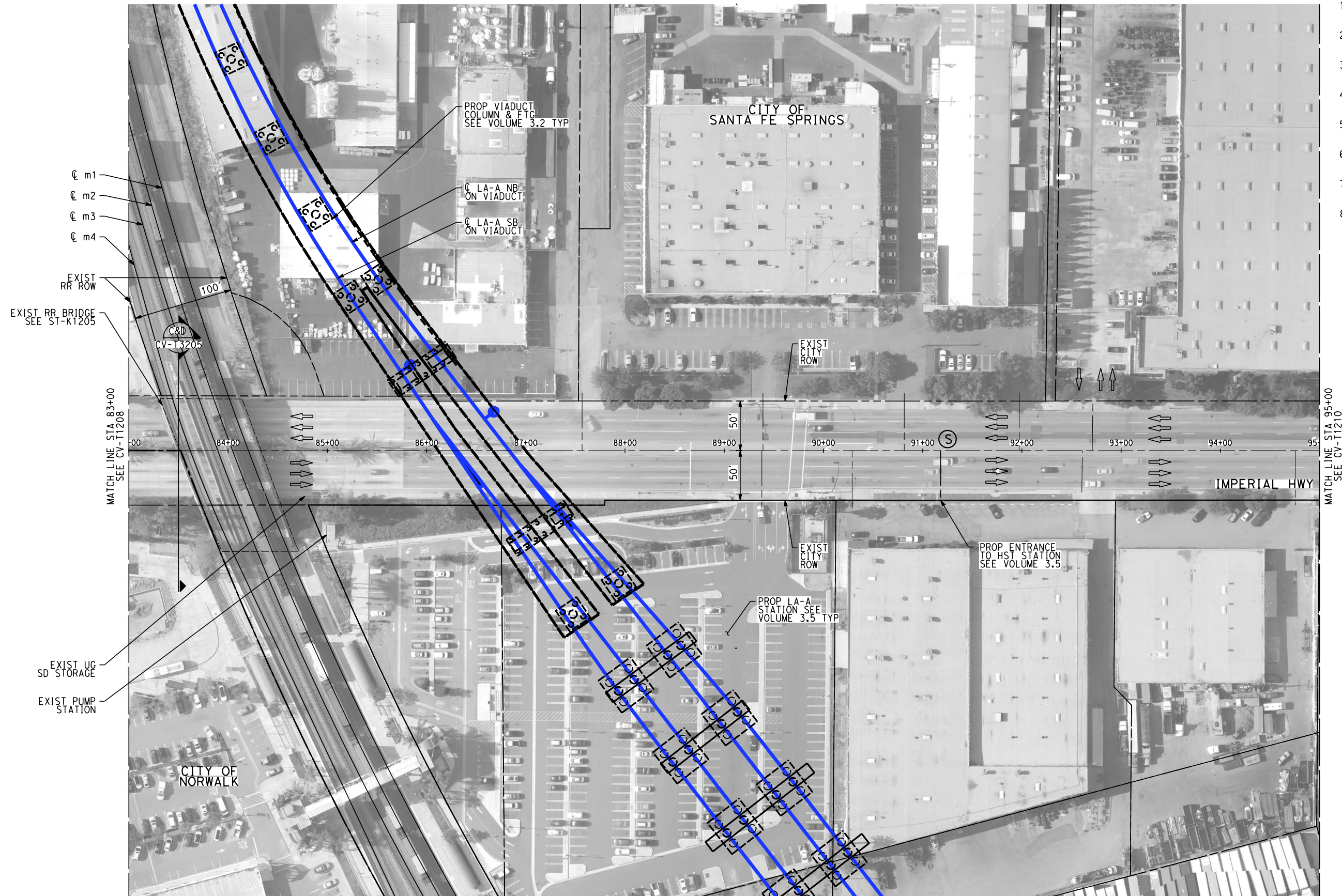
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
IMPACT PLAN - SHEET 1 OF 3

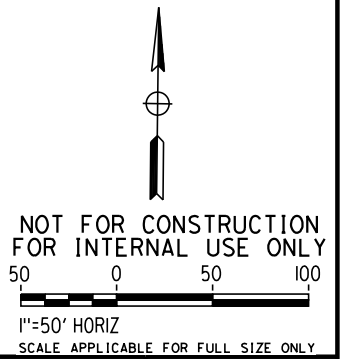
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DRAWING NO. CV-T1208
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR AERIAL STRUCTURAL, SEE VOLUME 3.2.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
IMPACT PLAN - SHEET 2 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1209
SCALE AS SHOWN
SHEET NO.

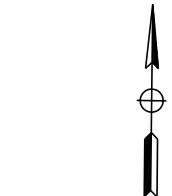
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MATCH LINE STA 95+00
SEE CV-T1209



NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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FOR INTERNAL USE ONLY



1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

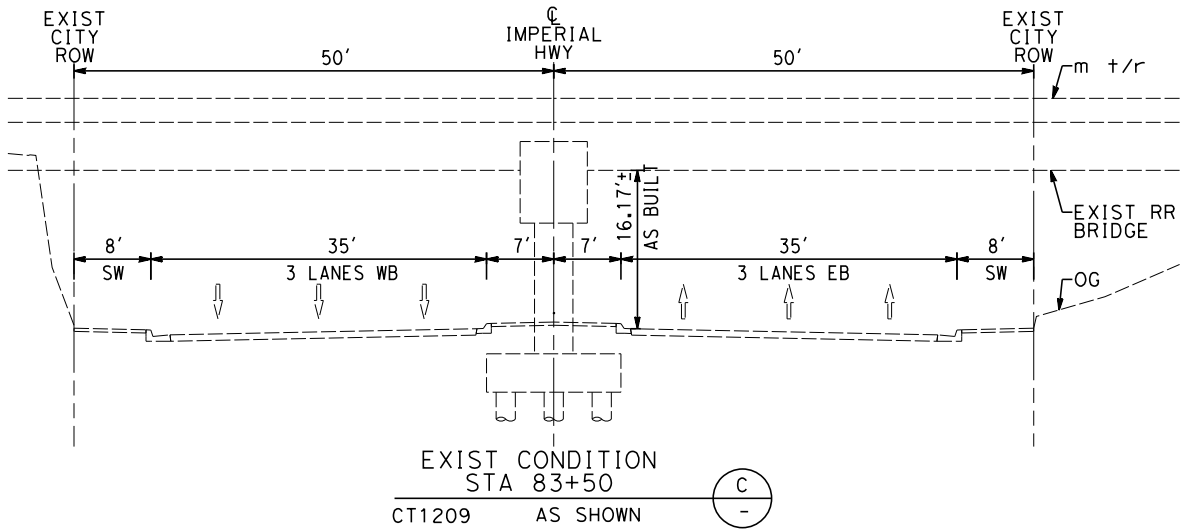
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
IMPACT PLAN - SHEET 3 OF 3

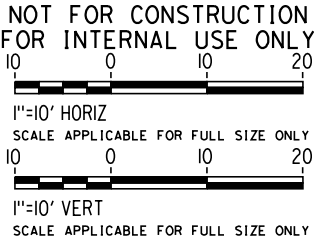
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DRAWING NO.	CV-T1210
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NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

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SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



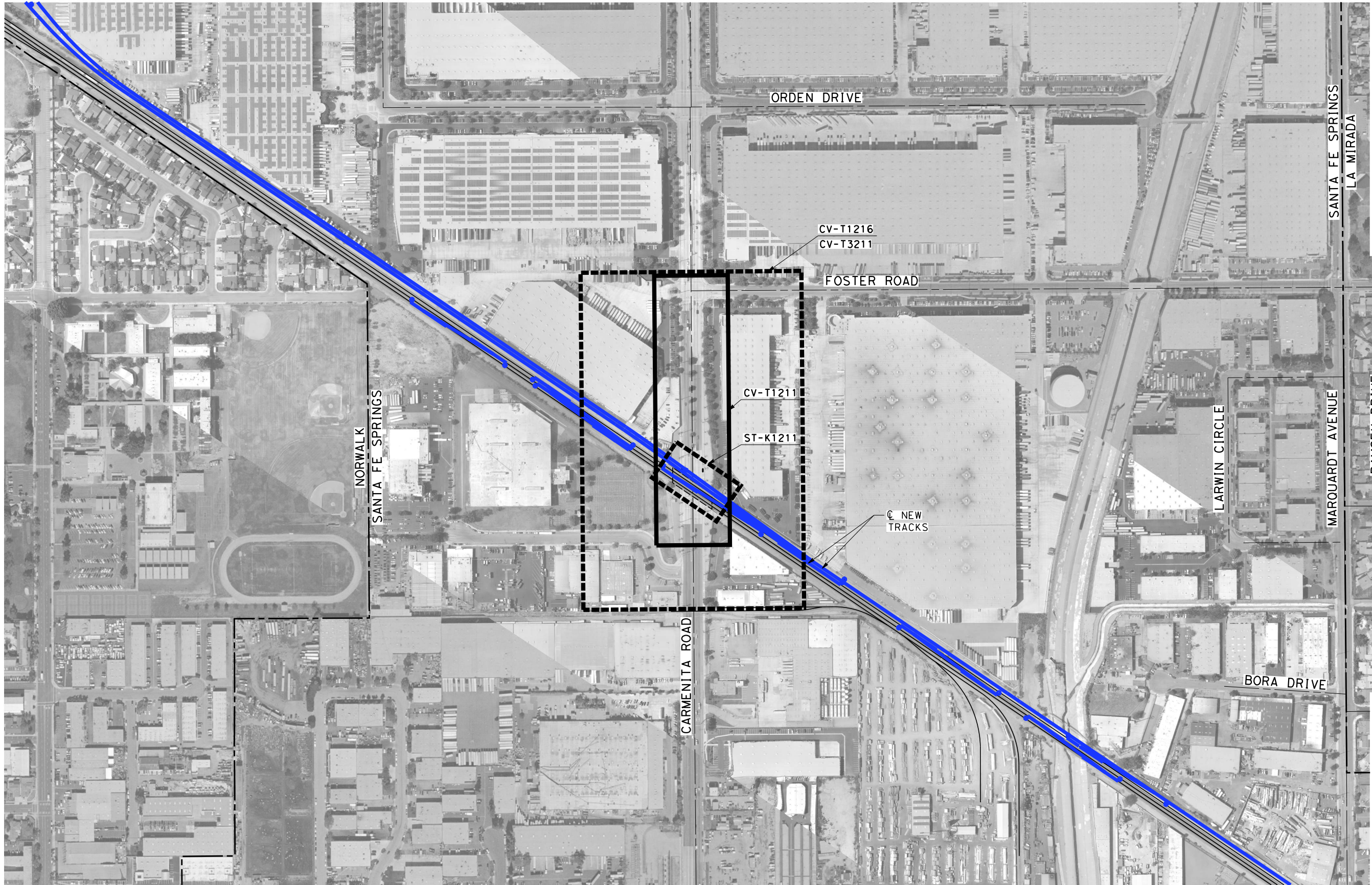
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

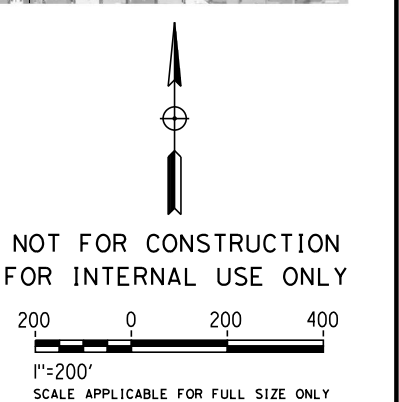
RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T3205
SCALE	AS SHOWN
SHEET NO.	



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/28/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

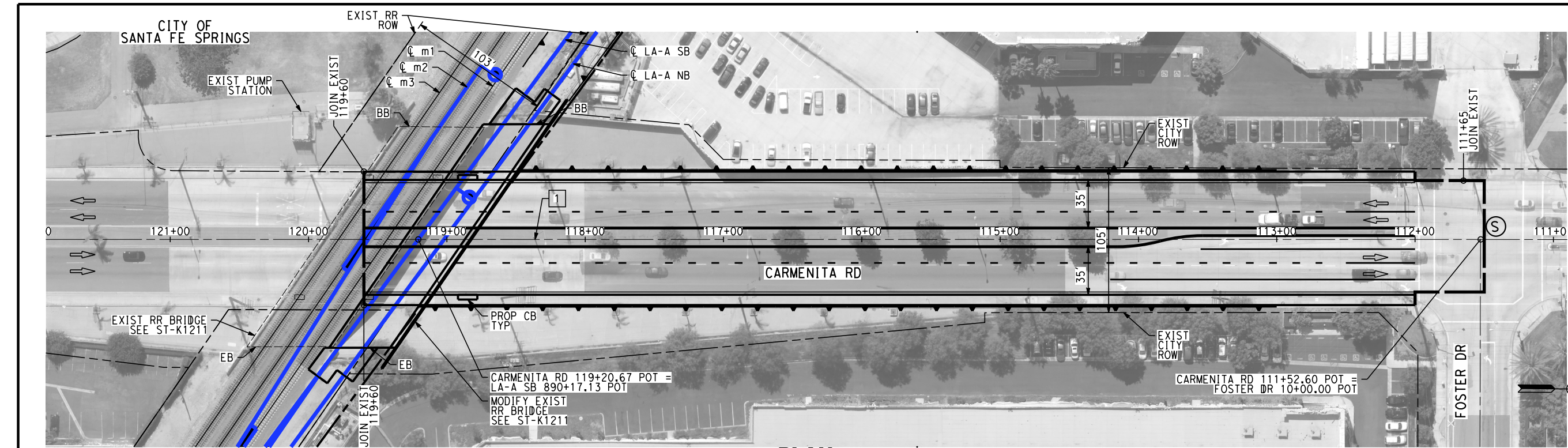
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - CARMENITA RD
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0211
SCALE
1" = 200'
SHEET NO.



PLAN

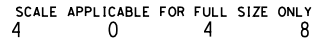
NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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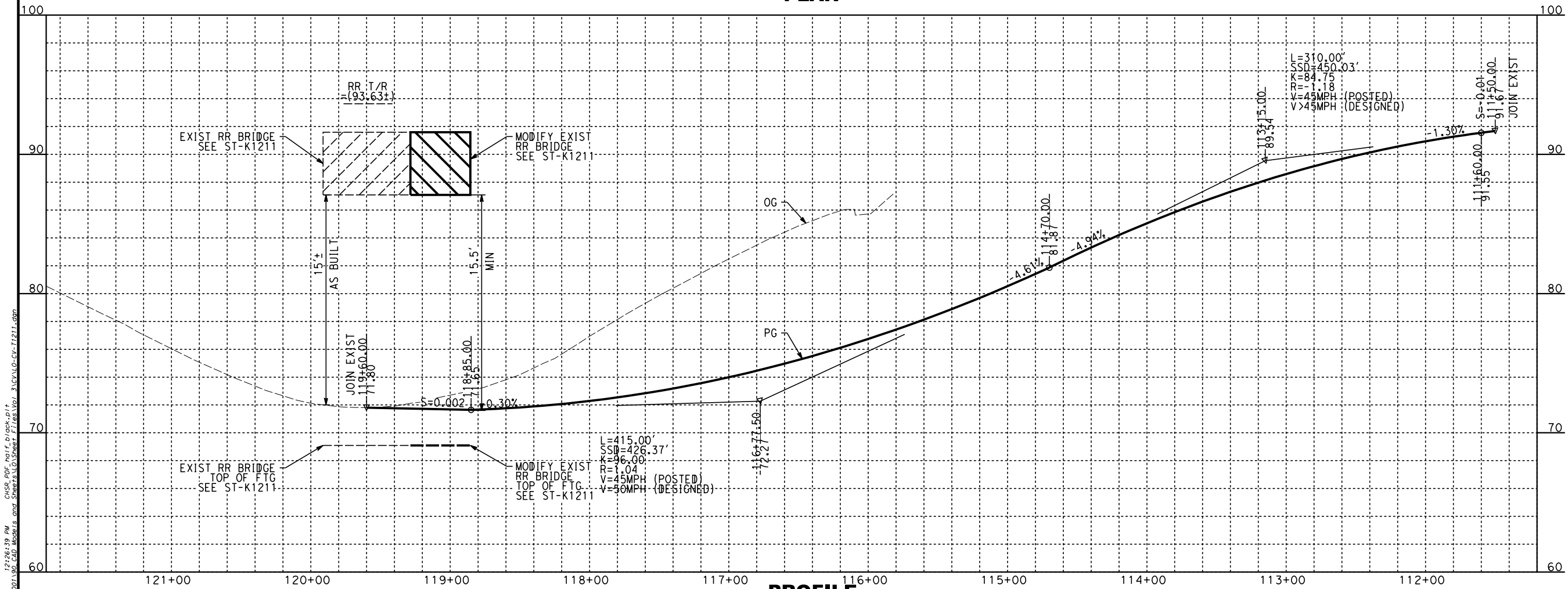
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY



1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

LINE DATA

NO	BEARING	DISTANCE
1	####	####



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

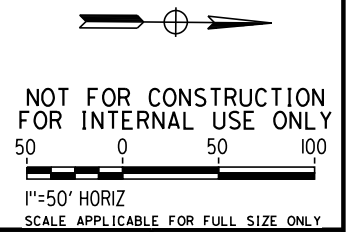
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - CARMENITA RD
PLAN AND PROFILE - SHEET 1 OF 1

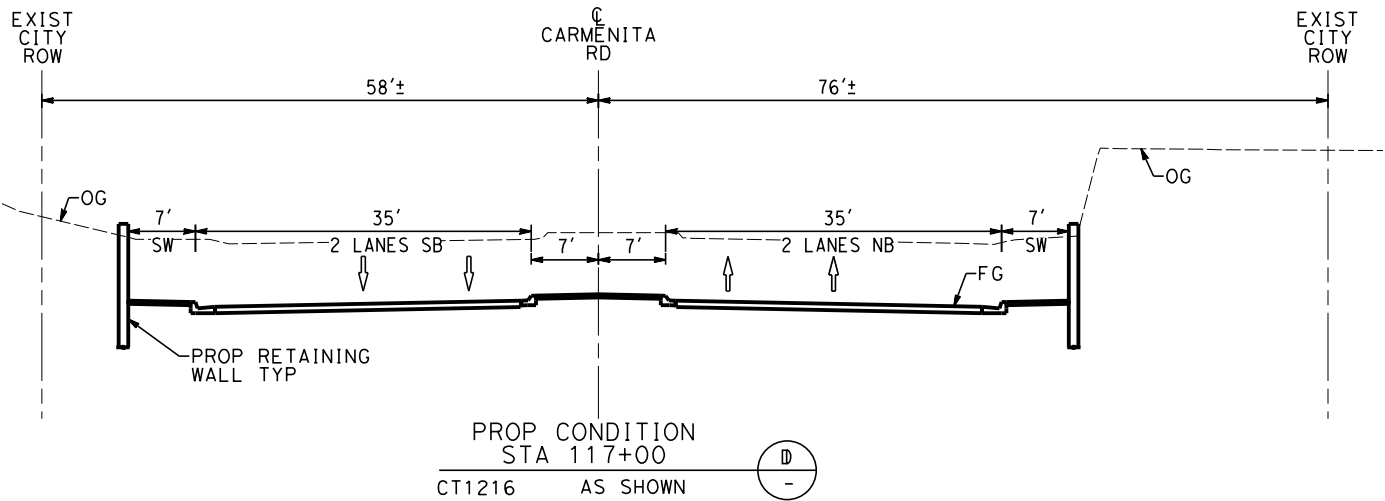
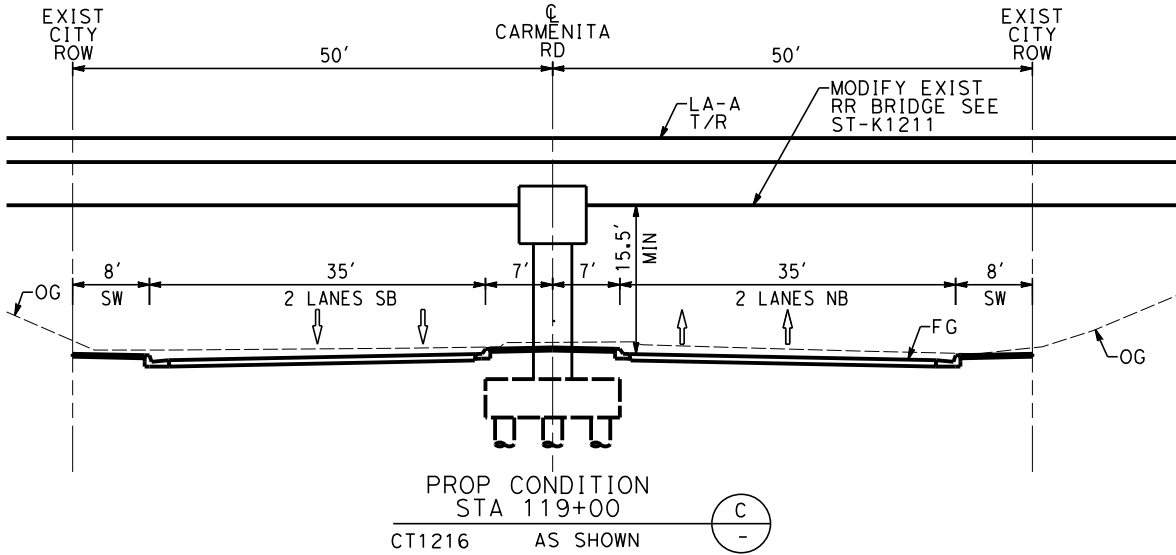
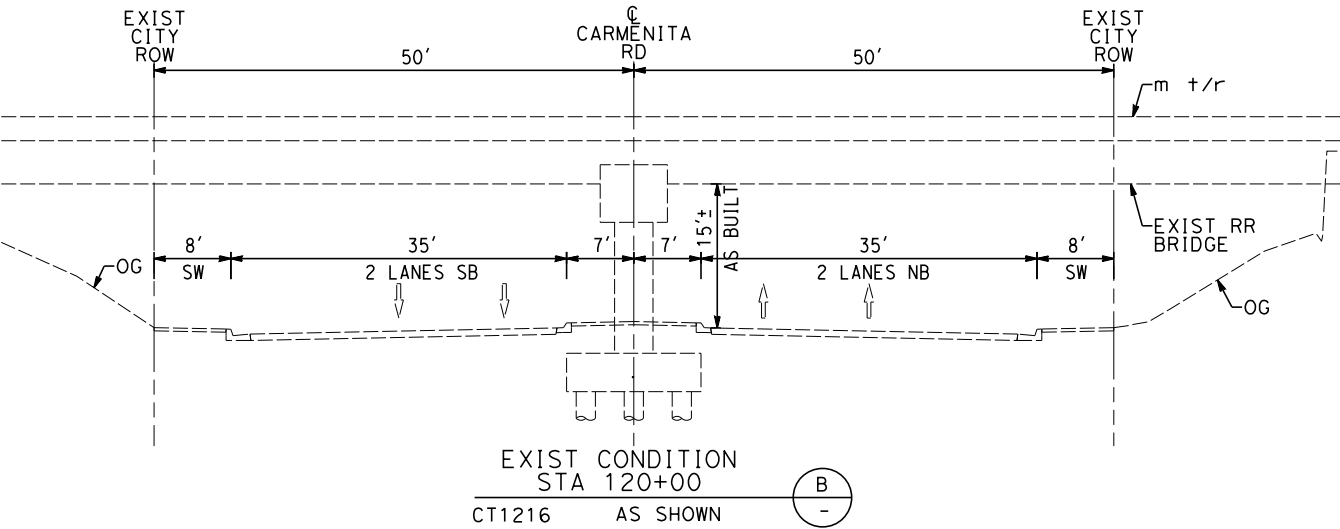
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1211
SCALE AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1216
SCALE
AS SHOWN
SHEET NO.

- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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T:\Projects\4017456\001\90_CAD_Models_and_Sheets\00_Sheet_Files\Vol_3\GV\0-CV-T3211.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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SUBMITTAL
FOR INTERNAL
USE ONLY

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CONSTRUCTION



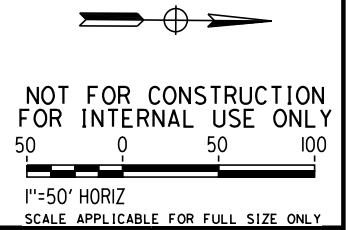
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - CARMENITA RD
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3211
SCALE AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CONTRACT NO.	HSR06-0005
DRAWING NO.	UT-Y1216
SCALE	AS SHOWN
SHEET NO.	

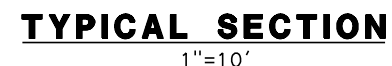


GENERAL NOTES:

1. PROPOSED SHARED WIDEN BRIDGE HAS AN OUTWARD 2% SLOPE FROM EDGE OF EXISTING BRIDGE.
2. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
3. ALL TRACKS ARE AT THE SAME ELEVATION.
4. ELECTRIFIED TRACKS ON NORTH SIDE.

TRAFFIC (PER DAY):

ADT₂₀₁₀: N/A
ADT₂₀₃₀: N/A
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
180 KIPS @ SERVICE

PIER: ASSUME 24" ϕ CIDH, L = 80'
500 KIPS @ NOMINAL

LEGEND:

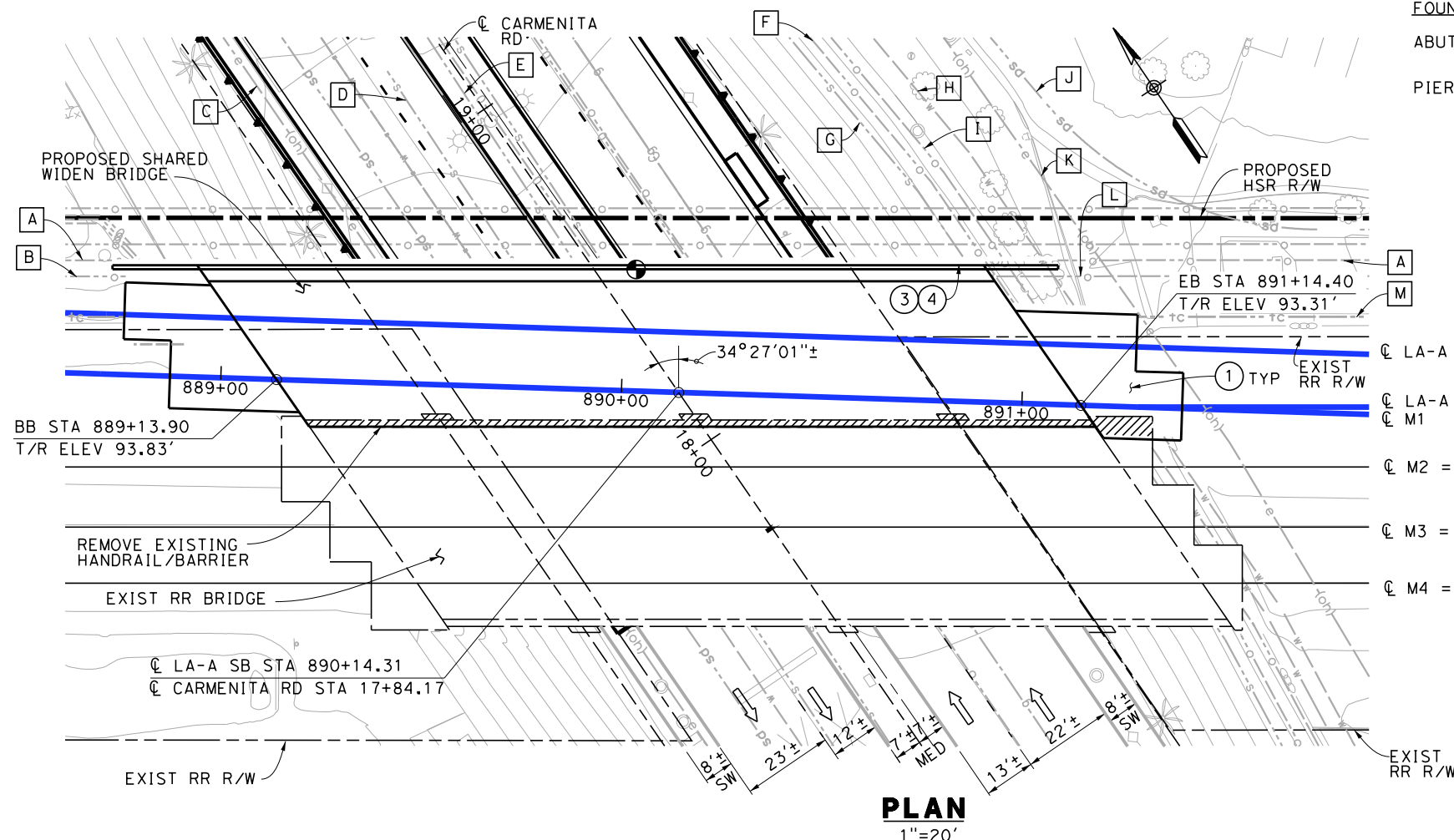
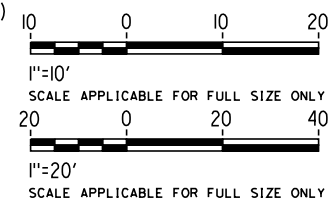
- | | |
|---|---|
|  | INDICATES WIDEN POINT OF MINIMUM
VERTICAL CLEARANCE (15'-6" MIN) |
|  | INDICATES DIRECTION OF TRAFFIC |
|  | INDICATES EXISTING FEATURES |
|  | LIMITS OF EXIST BRIDGE REMOVAL |
| (M) | PROPOSED ALIGNMENT |
| (m) | EXISTING ALIGNMENT |

EXISTING UTILITIES:

- | | |
|---|---|
| A | EXIST 6" STANDARD OIL PIPE, SCE CITY OF SANTA FE SPRINGS (RELOCATE) |
| B | EXIST 8" STANDARD OIL PIPE, SCE CITY OF SANTA FE SPRINGS (RELOCATE) |
| C | EXIST OVERHEAD ELECTRICAL LINE, SCE CITY OF SANTA FE SPRINGS (RELOCATE) |
| D | EXIST 36" SEWER, CITY OF SANTA FE SPRINGS (RELOCATE) |
| E | EXIST 30" SEWER, CITY OF SANTA FE SPRINGS (RELOCATE) |
| F | EXIST 12" EDISON OIL PIPE, CITY OF SANTA FE SPRINGS (RELOCATE) |
| G | EXIST 48" RCP SEWER, CITY OF SANTA FE SPRINGS (RELOCATE) |
| H | EXIST 16" WATER, CITY OF SANTA FE SPRINGS (RELOCATE) |
| I | EXIST 8" OIL PIPE (GULF OIL CO.), CITY OF SANTA FE SPRINGS (RELOCATE) |
| J | EXIST 96" STORM DRAIN, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |
| K | EXIST OVERHEAD ELECTRICAL LINE, CITY OF SANTA FE SPRINGS (RELOCATE) |
| L | EXIST 8" STANDARD OIL PIPE, CITY OF SANTA FE SPRINGS (RELOCATE) |
| M | EXIST TELECOM LINE, CITY OF SANTA FE SPRINGS (RELOCATE) |

NOTE: NOT ALL UTILITIES CALLED OUT. SEE VOL 4 UT-C1567 AND UT-D1567 FOR COMPLETE LIST.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



PLAN
1"=20'

DESIGNED BY	S. LEE
DRAWN BY	C. HUANG
CHECKED BY	B. OLP
IN CHARGE	J. SWANSON
DATE	08/29/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

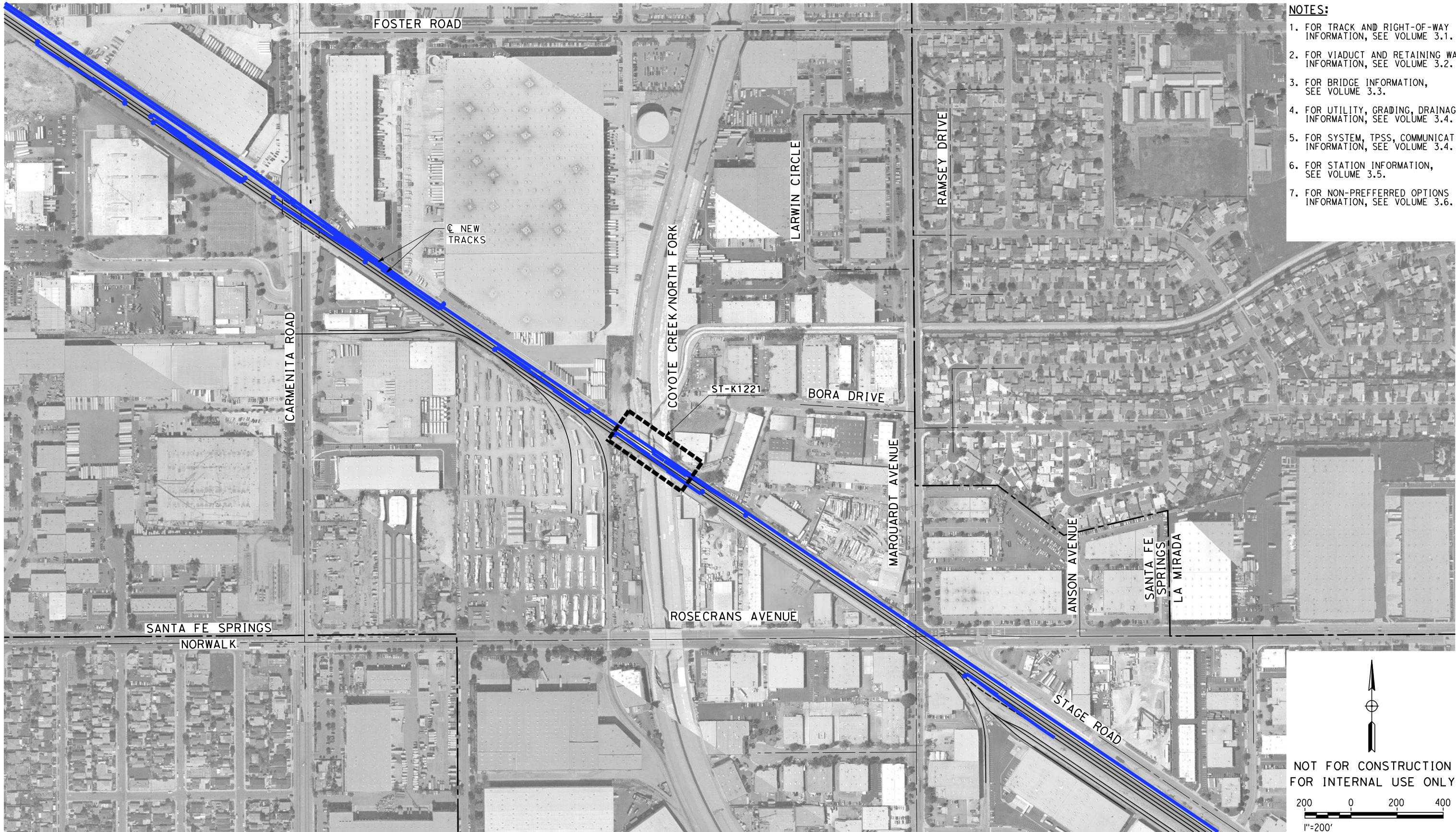
**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
 RECORD SET
 PRELIMINARY ENGINEERING PROJECT DOCUMENT
 GRADE SEPARATION - CARMENITA ROAD
 GENERAL PLAN

CONTRACT NO.	HSR06-0005
DRAWING NO.	ST-K1211
SCALE	AS SHOWN
SHEET NO.	



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

200 0 200 400

1"=200'

SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

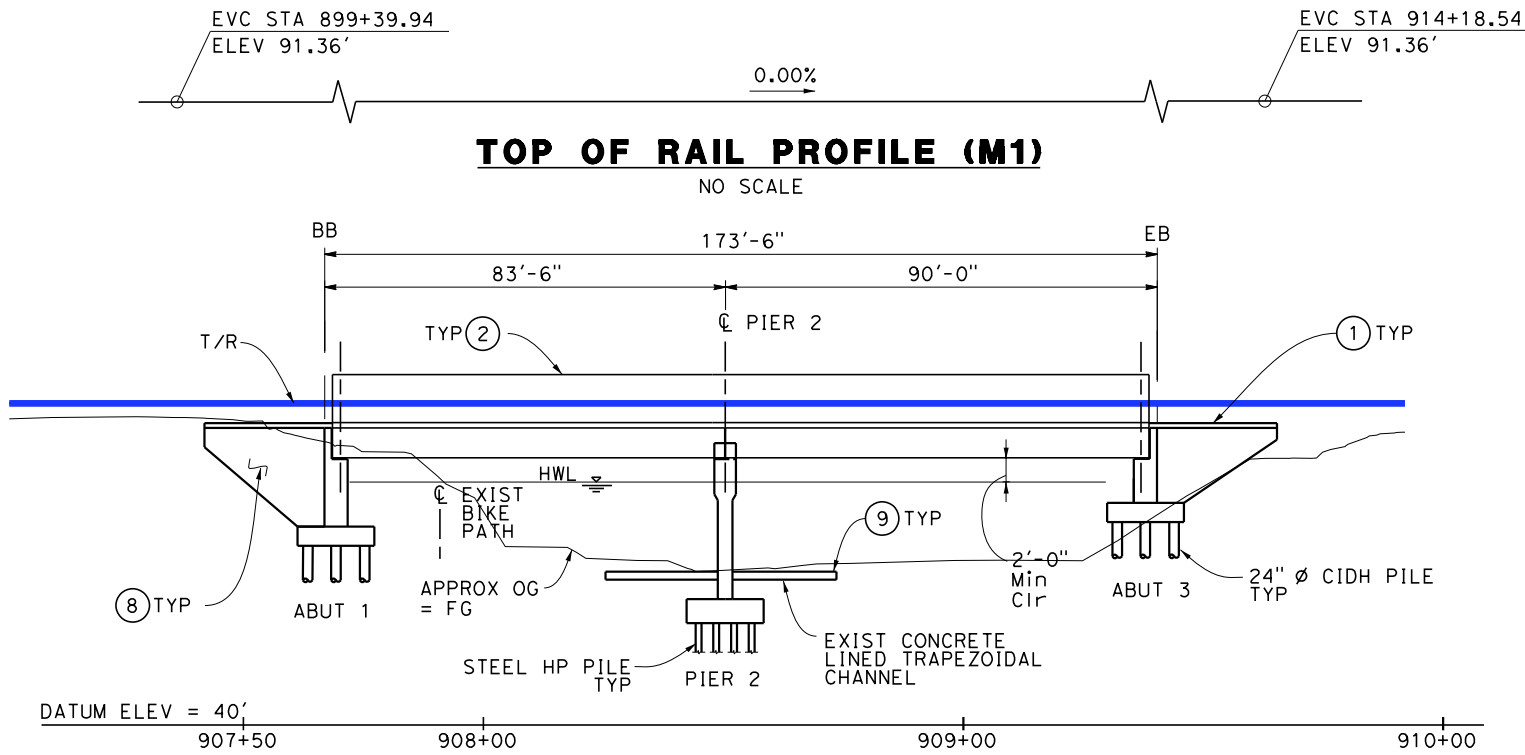


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - COYOTE CREEK/NORTH FORK
ORIENTATION MAP

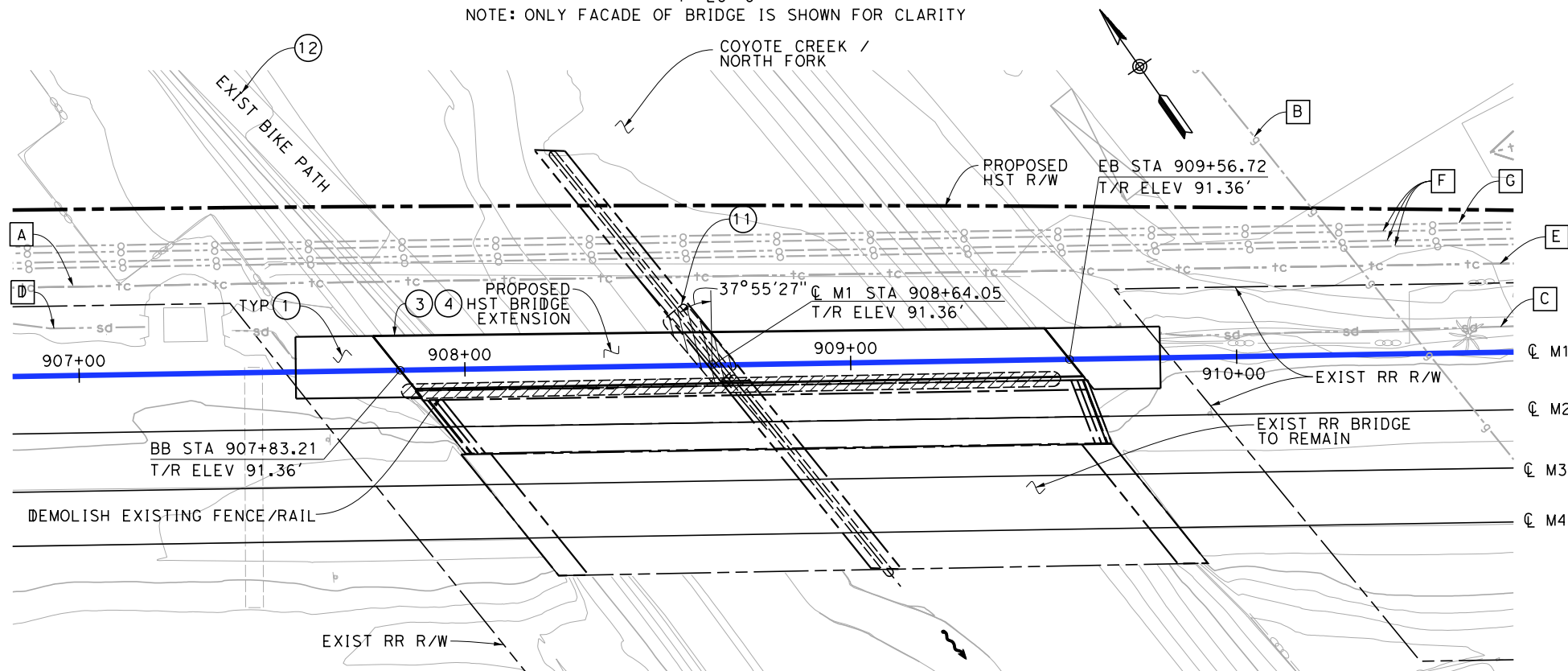
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0221
SCALE
1" = 200'
SHEET NO.

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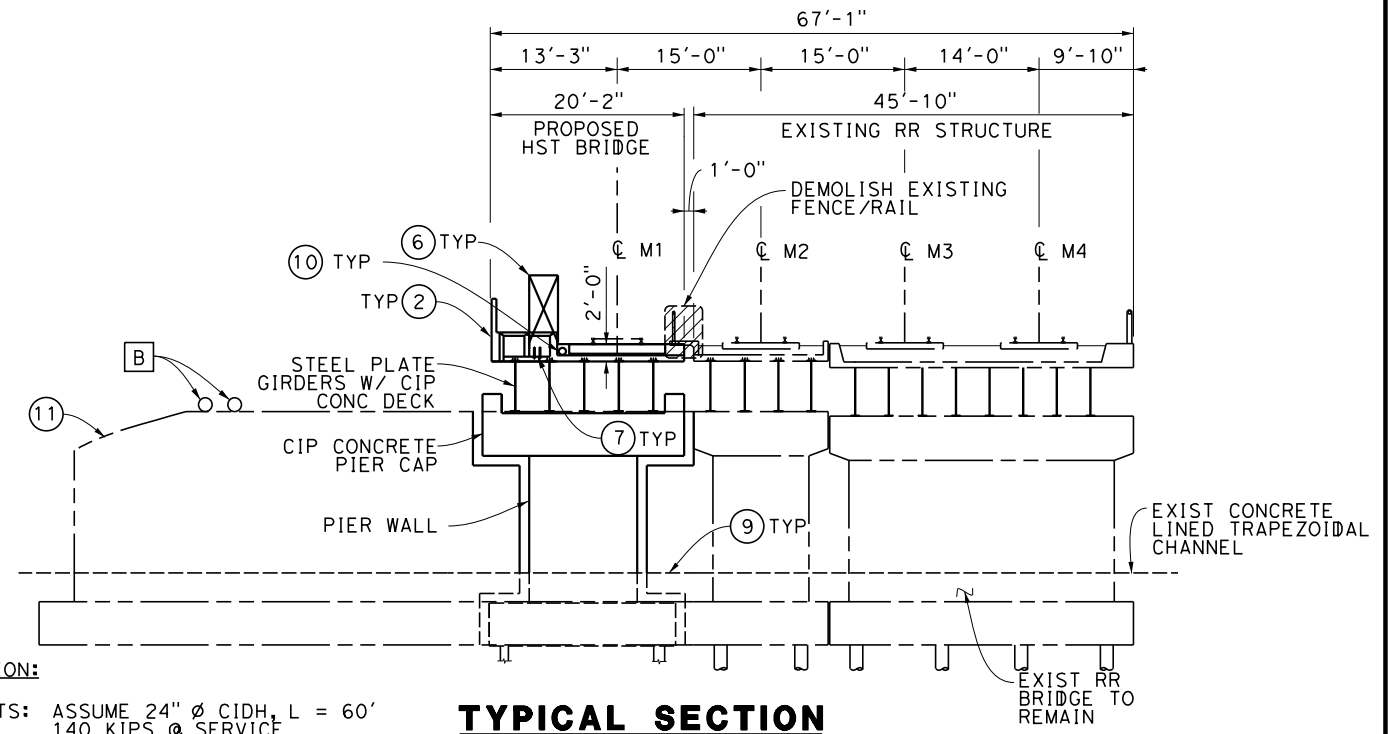


MIRROR ELEVATION

NOTE: ONLY FACADE OF BRIDGE IS SHOWN FOR CLARITY



PLAN



TYPICAL SECTION

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
140 KIPS @ SERVICE

PIER: ASSUME STEEL HP PILES, L = 80'
280 KIPS @ NOMINAL

NOTES:

- STRUCTURE APPROACH SLAB
- PARAPET
- PAINT "BR. NO. MP 157.6"
- PAINT "COYOTE CREEK/NORTH FORK BRIDGE"
- ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- WALKWAY (3'-0" WIDE)
- DUCT BANK
- WINGWALL
- REMOVE & REPLACE CONCRETE CHANNEL LINING FOR PIER 2 CONSTRUCTION
- DRAINAGE PIPE
- REMOVE PART OF PIER WALL
- EXISTING BIKE PATH TO BE RELOCATED/REGRADED BY OTHERS

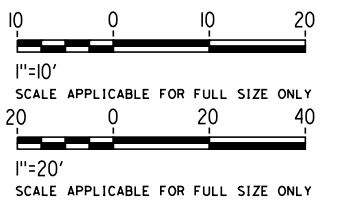
EXISTING UTILITIES:

- | | |
|---|--|
| A | EXIST COMM LINE, AT&T LOCAL, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |
| B | EXIST GAS, SCG, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |
| C | EXIST 48" RCP STORM DRAIN, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |
| D | EXIST 48" RCP STORM DRAIN, CITY OF SANTA FE SPRINGS (RELOCATE) |
| E | EXIST COMMUNICATION TOWER, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |
| F | EXIST OIL LINE, CHEVRON, CITY OF SANTA FE SPRINGS (RELOCATE) |
| G | EXIST OIL LINE, CHEVRON, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE) |

TRAFFIC (PER DAY):

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - COYOTE CREEK/NORTH FORK
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1221
SCALE AS SHOWN
SHEET NO.

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1:VP\Projects\4017456\0001\90 CAD Models and Sheets\LO Sheet Files\CV-T1241.dgn

Chiang

DESIGNED BY
A. CHIANG

DRAWN BY
A. CHIANG

CHECKED BY
A. BOSCH

IN CHARGE
J. SWANSON

DATE
02/28/25

REV DATE BY CHK APP DESCRIPTION

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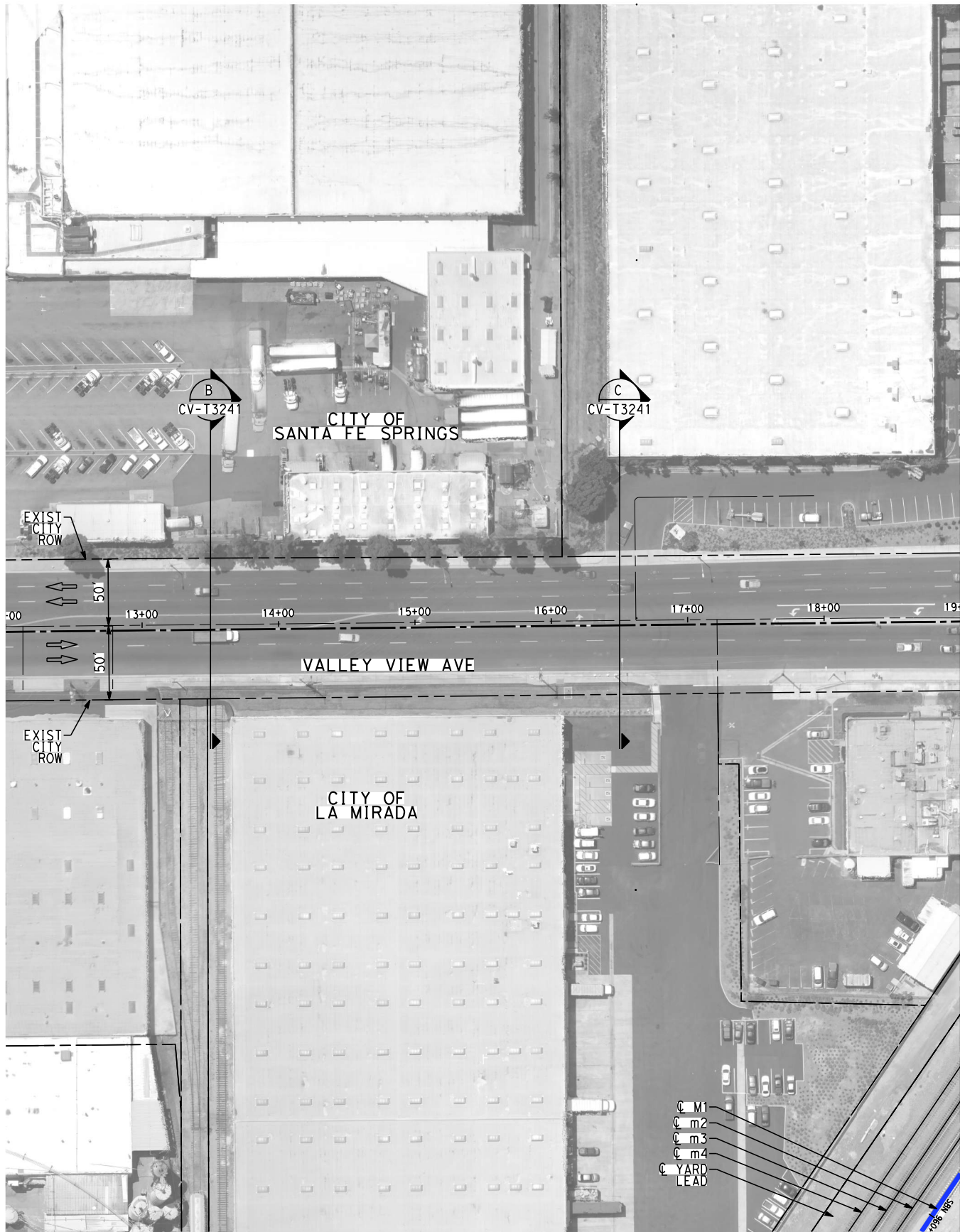
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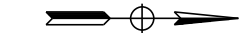
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NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



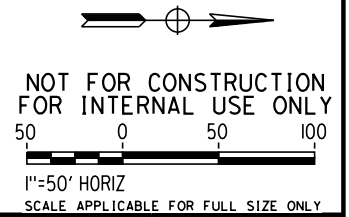
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - VALLEY VIEW AVE
IMPACT PLAN - SHEET 1 OF 2

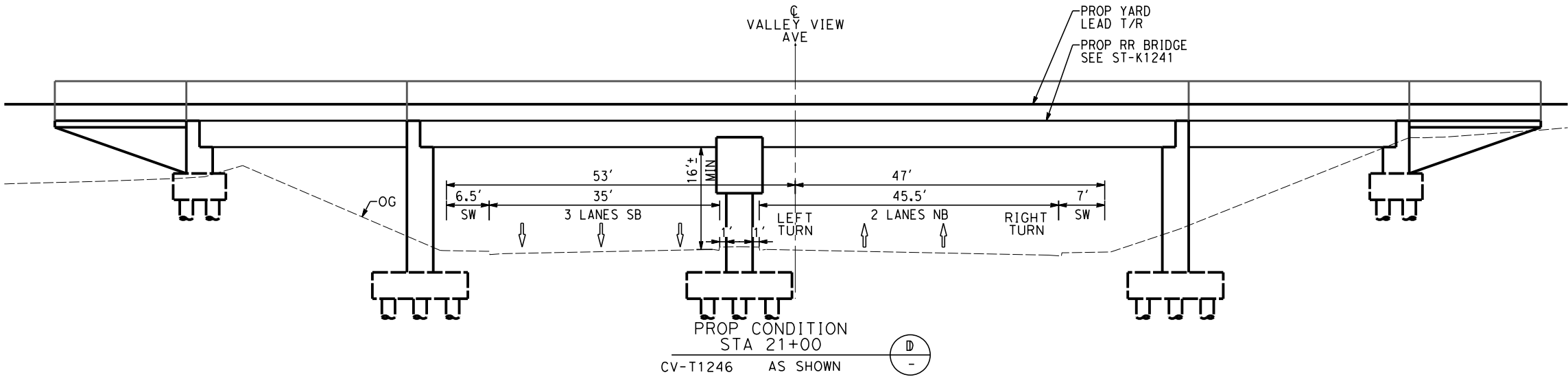
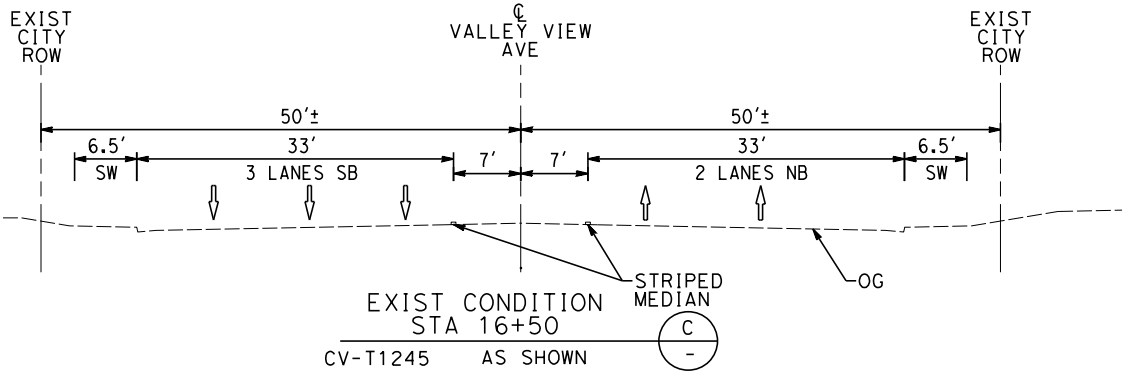
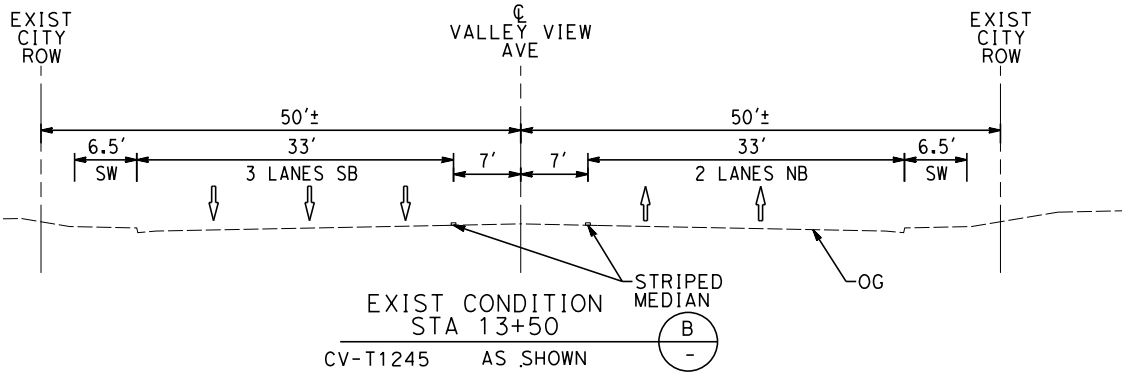
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1245
SCALE
AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1246
SCALE
AS SHOWN
SHEET NO.

- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG

DRAWN BY
A. CHIANG

CHECKED BY
A. BOSCH

IN CHARGE
J. SWANSON

DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - VALLEY VIEW AVE
CROSS SECTION - SHEET 1 OF 1

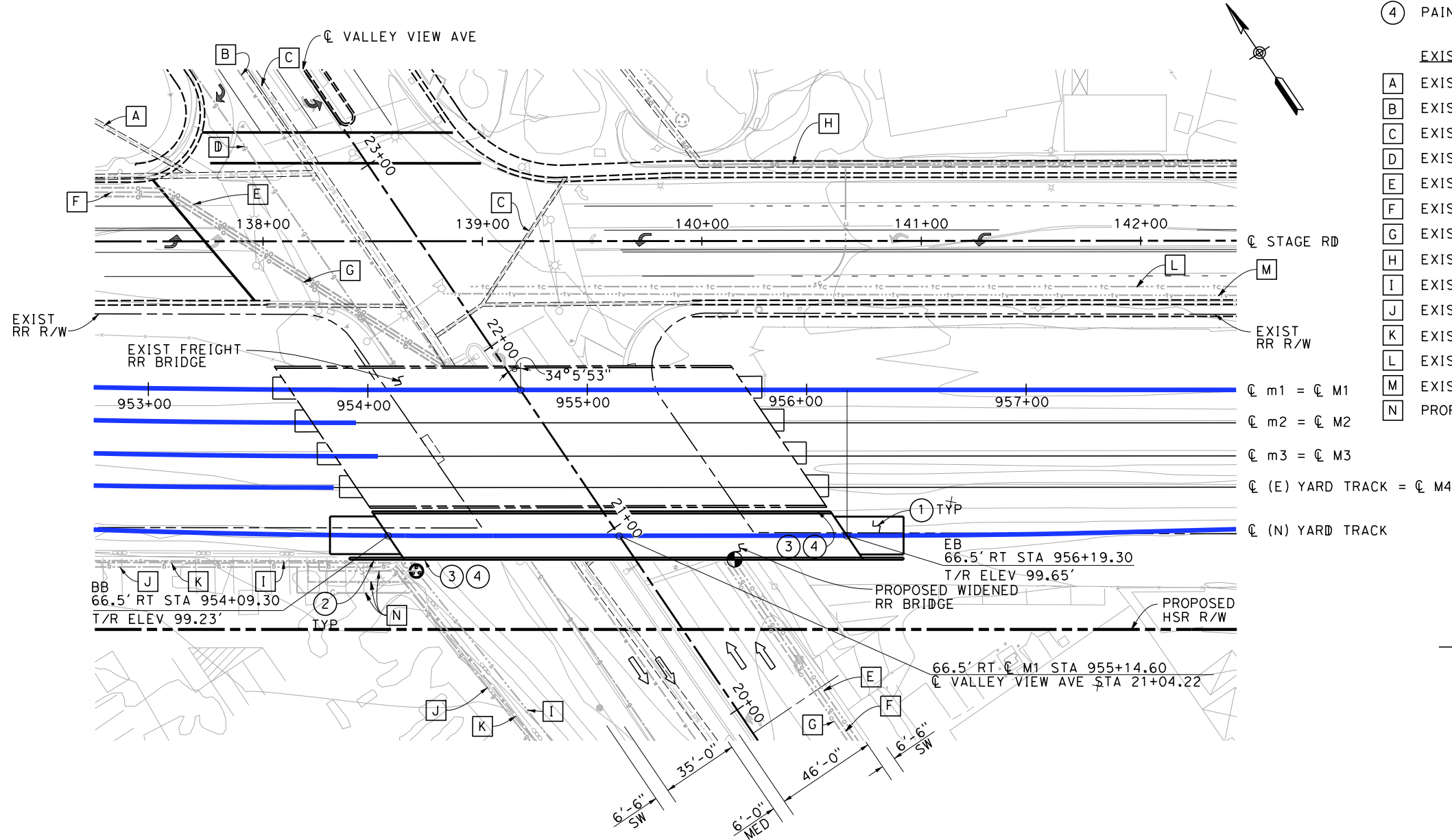
CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T3241

SCALE
AS SHOWN

SHEET NO.

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



NOTES:

- 1 STRUCTURE APPROACH SLAB
- 2 WINGWALL
- 3 PAINT "BR. NO. XX-XXX"
- 4 PAINT "VALLEY VIEW AVENUE UNDERPASS"

EXISTING UTILITIES:

- A EXIST STORM DRAIN, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- B EXIST 12" WATER, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- C EXIST 42" RCP STORM DRAIN, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- D EXIST 16" GAS (CHEVRON), CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- E EXIST 8" OIL LINE (STANDARD OIL), CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- F EXIST 4" GAS (CHEVRON), CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- G EXIST 8" OIL (CHEVRON), CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- H EXIST 48" RCP STORM DRAIN, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- I EXIST 30" VCP SEWER, CITY OF SANTA FE SPRINGS (RELOCATE PORTION)
- J EXIST 16" GAS, SCG CITY OF SANTA FE SPRINGS (RELOCATE PORTION)
- K EXIST 12" WATER, CITY OF SANTA FE SPRINGS (RELOCATE PORTION)
- L EXIST 14 DU COMMUNICATION LINE, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- M EXIST 1 DU TELEVISION LINE, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- N PROPOSED RELOCATED UTILITIES, SEE VOL. 4 UT-D1572 & D1573.

LEGEND:

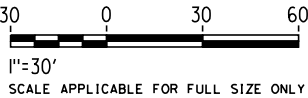
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-0" MIN)
- INDICATES DIRECTION OF TRAFFIC
- INDICATES EXISTING FEATURES
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

TRAFFIC (PER DAY):

ADT₂₀₁₀: 34,520
ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

PLAN
1"=30'-0"

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



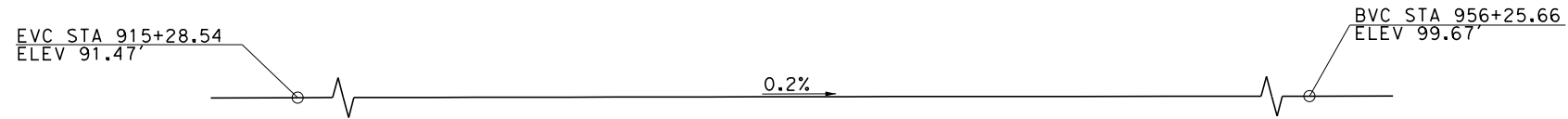
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - VALLEY VIEW AVE
GENERAL PLAN 1 OF 2

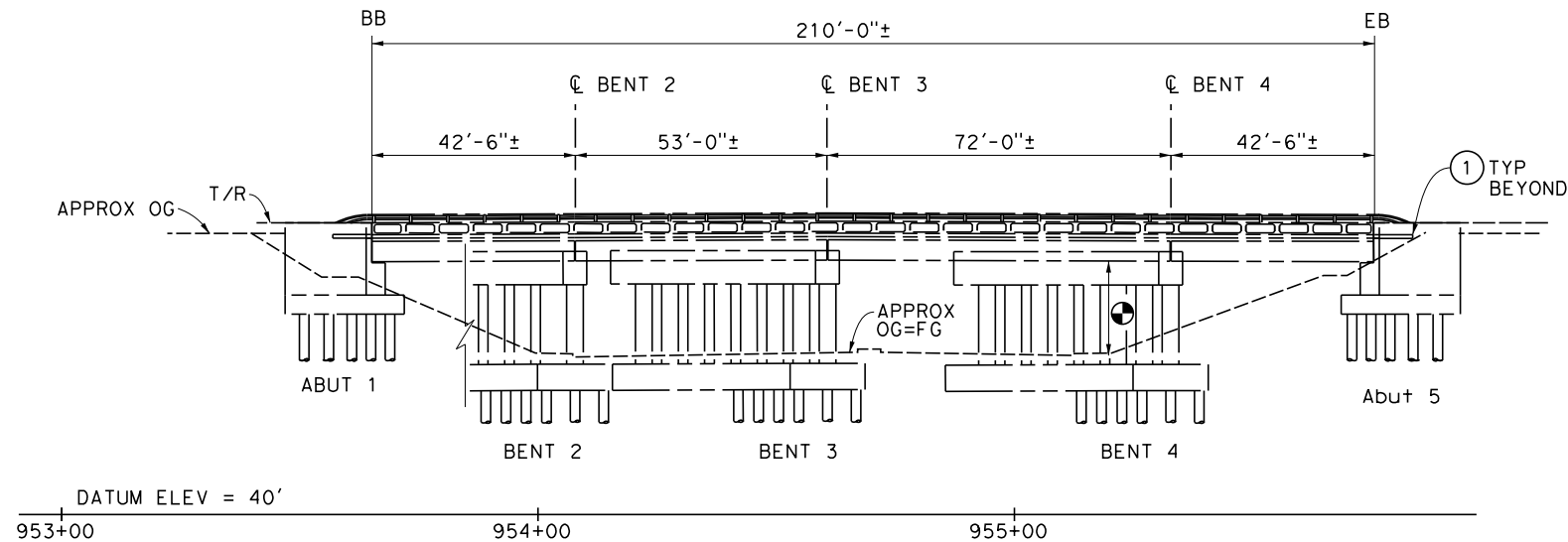
CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1241
SCALE AS SHOWN
SHEET NO.

2/6/2025 2:54:12 AM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K1242.dgn



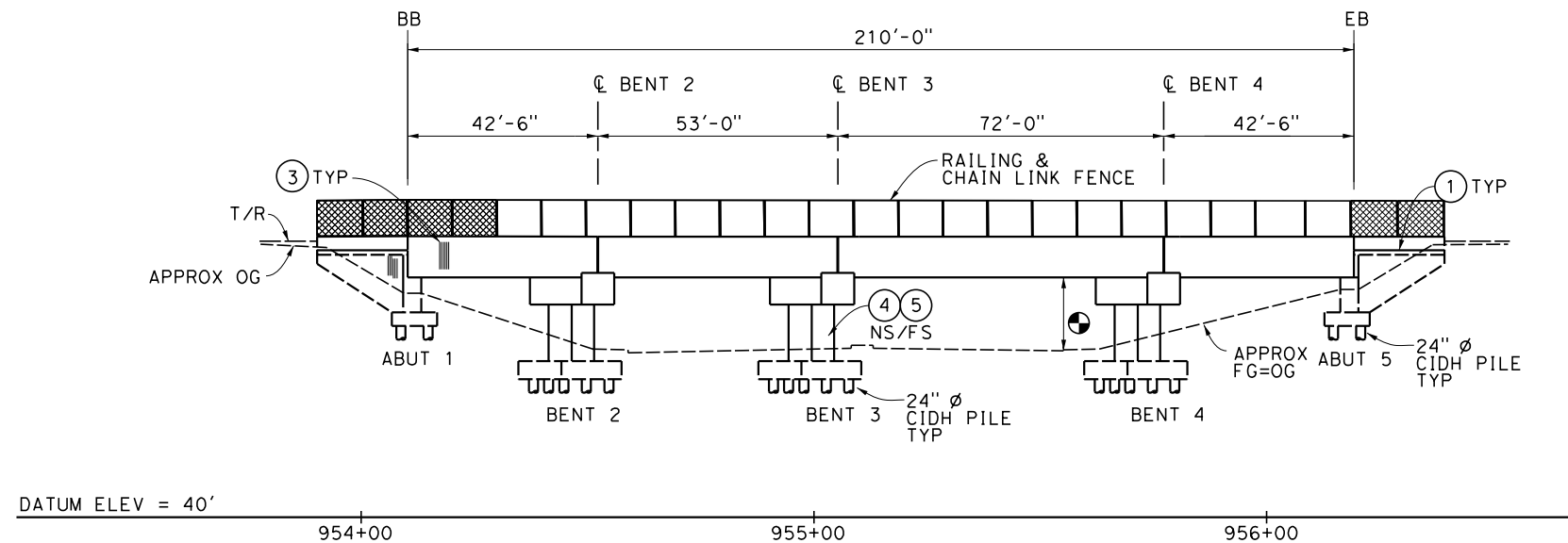
TOP OF RAIL PROFILE (M1)

NO SCALE



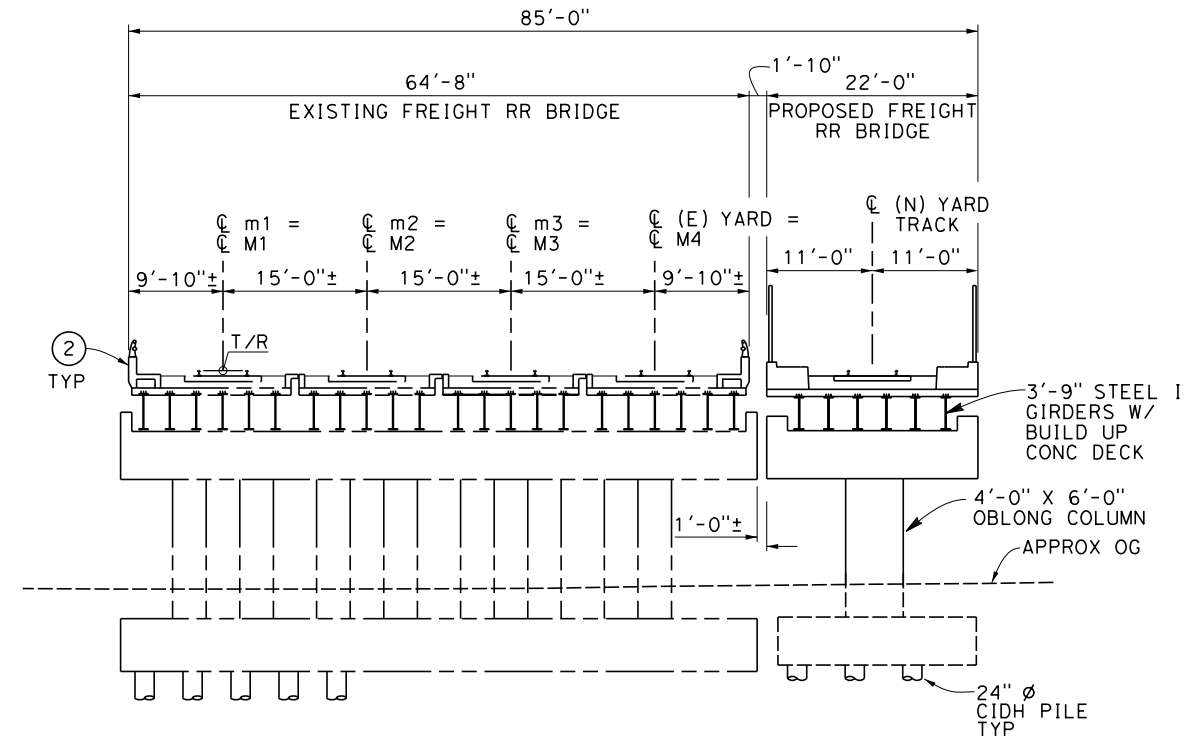
ELEVATION - EXIST RR BRIDGE

1"=20'-0"



ELEVATION - PROPOSED RR BRIDGE

1"=20'-0"



TYPICAL SECTION

1"=10'-0"

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
180 KIPS @ SERVICE
PIER: ASSUME 24" Ø CIDH, L = 80'
500 KIPS @ NOMINAL

GENERAL NOTES:

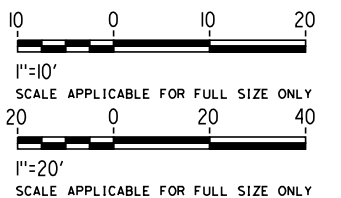
1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
2. ALL TRACKS ARE AT THE SAME ELEVATION.
3. ELECTRIFIED TRACKS ON THE NORTH SIDE OF EXISTING BRIDGE.

NOTES:

- ① STRUCTURE APPROACH SLAB
- ② EXIST CONCRETE BARRIER AND RAILING
- ③ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- ④ PAINT "BR. NO. XX-XXX"
- ⑤ PAINT "VALLEY VIEW AVENUE UNDERPASS"

LEGEND:

- INDICATES PROPOSED POINT OF MINIMUM VERTICAL CLEARANCE (16'-0"±)
- INDICATES EXIST RR BRIDGE POINT OF MINIMUM VERTICAL CLEARANCE (16'-0" MIN)
- INDICATES EXISTING FEATURES
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

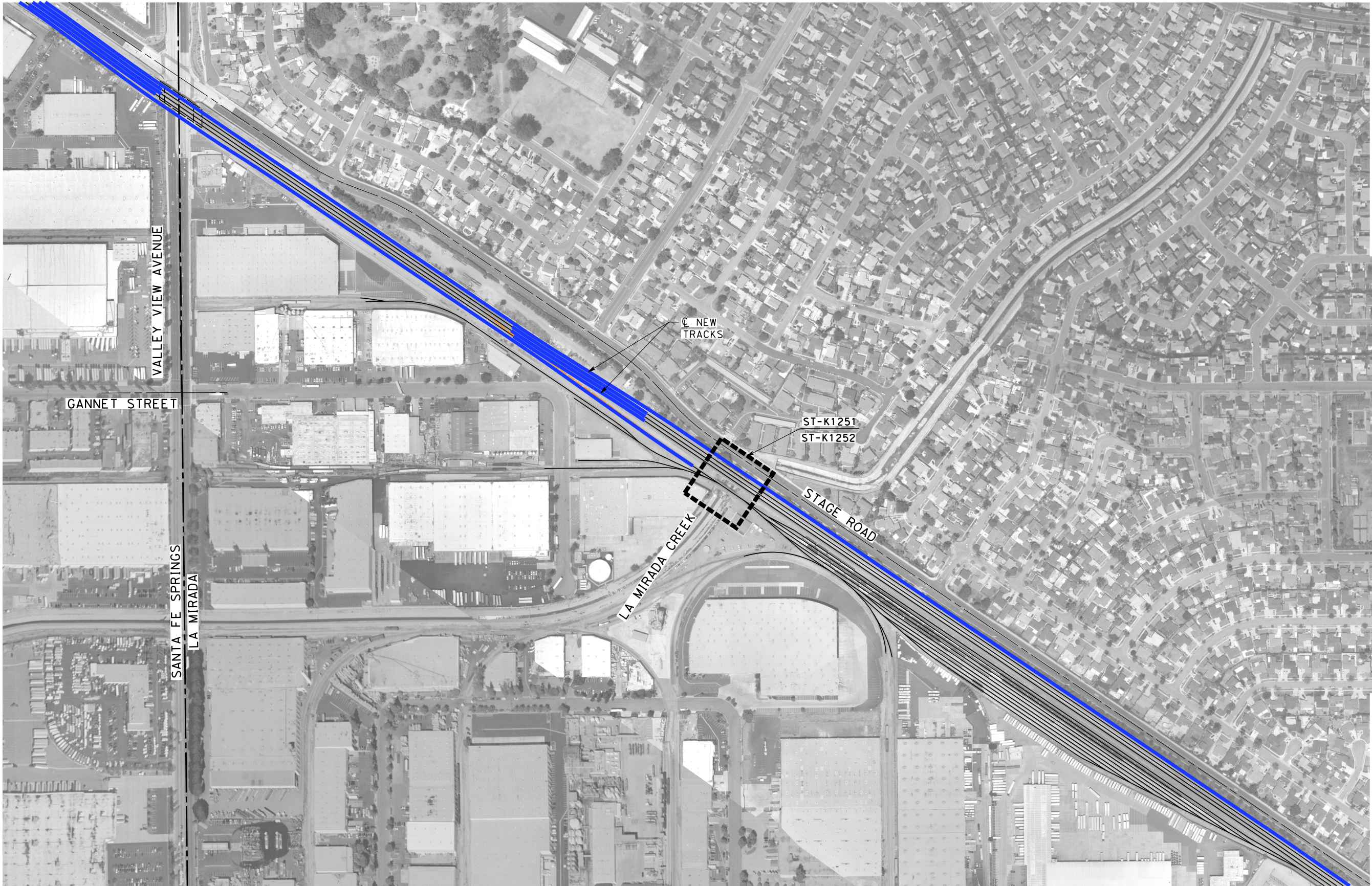
PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

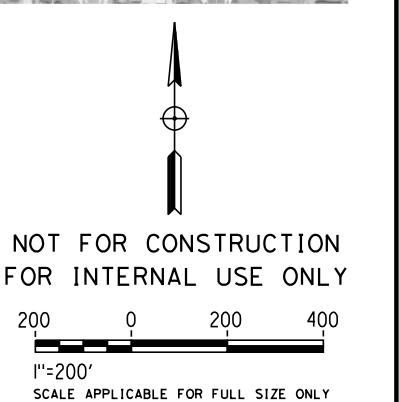


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - VALLEY VIEW AVE
GENERAL PLAN 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1242
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



\$PLOT \$							DESIGNED BY M. MAMAWAL	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - LA MIRADA CREEK ORIENTATION MAP	CONTRACT NO. HSR06-0005
							DRAWN BY M. MAMAWAL					DRAWING NO. CV-T0251
							CHECKED BY J. SWANSON					SCALE 1" = 200'
							IN CHARGE J. SWANSON					SHEET NO.
							DATE 08/23/25					
REV	DATE	BY	CHK	APP	DESCRIPTION							

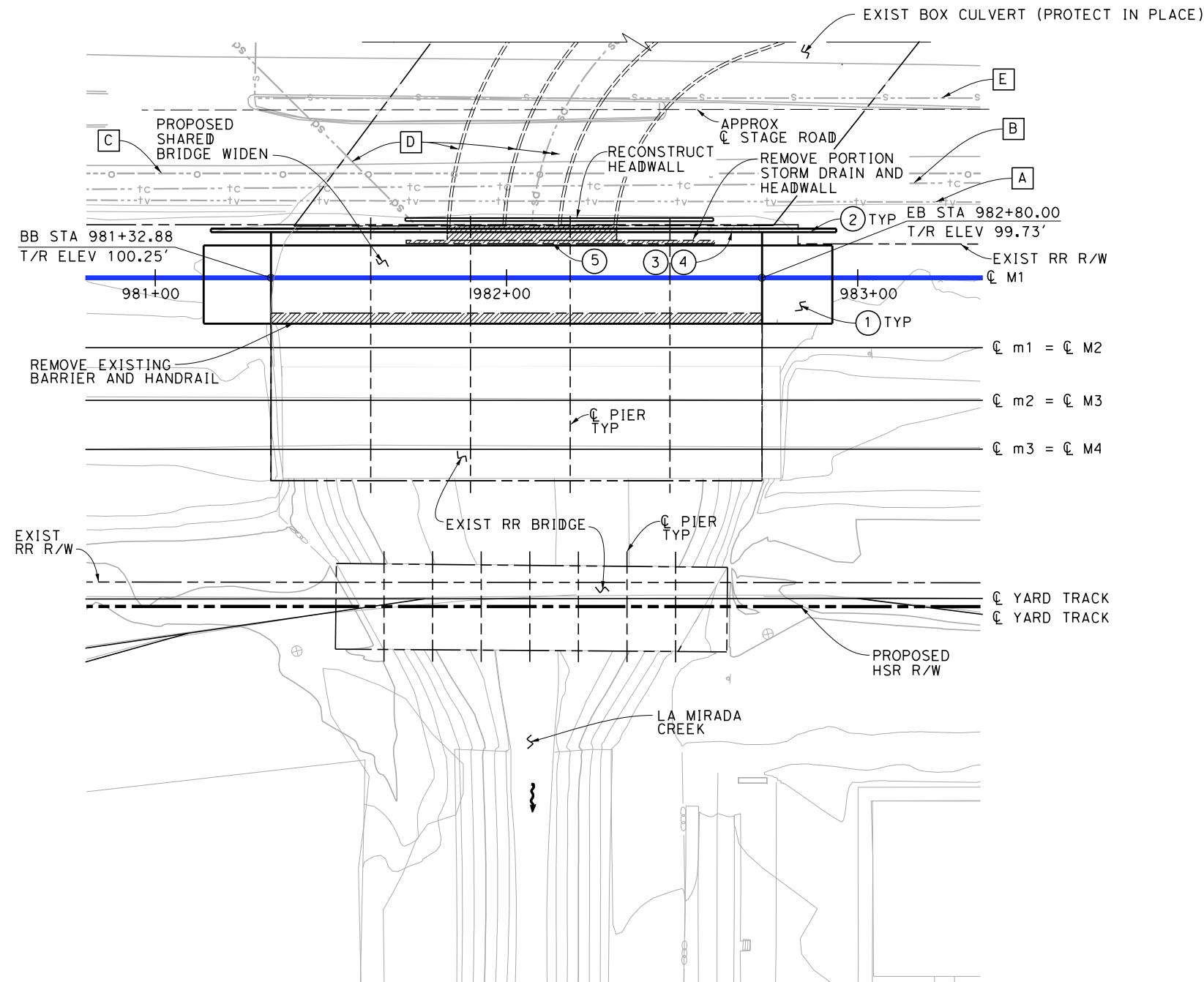
BN BVC STA 979+50.00
ELEV 100.48'

BN BVC STA 1013+16.85
ELEV 85.03'

-0.484%

TOP OF RAIL PROFILE (M1)

NO SCALE



NOTES:

- STRUCTURE APPROACH SLAB
- WINGWALL
- PAINT "BR. NO. XX-XXX"
- PAINT "LA MIRADA CREEK BRIDGE"
- EXISTING HEAD WALL AND BOX CULVERT

LEGEND:

- INDICATES EXISTING FEATURES
- ~ INDICATES DIRECTION OF FLOW
- /// INDICATES LIMITS OF BRIDGE REMOVAL
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
140 KIPS @ SERVICE

PIER: ASSUME STEEL HP PILES, L = 80'
280 KIPS @ NOMINAL

EXISTING UTILITIES:

- A EXIST COMMUNICATION CONDUIT 14-DU, (PROTECT IN PLACE)
- B EXIST COMMUNICATION CONDUIT 14-DU, (PROTECT IN PLACE)
- C EXIST 6" OIL LINE, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)
- D EXIST STORM DRAIN, LACFCD (PROTECT IN PLACE)
- E EXIST SEWER LINE, CITY OF SANTA FE SPRINGS (PROTECT IN PLACE)

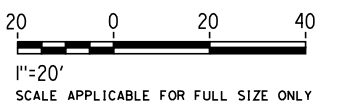
TRAFFIC (PER DAY):

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

PLAN

1"=20'-0"

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



DESIGNED BY
S. LEE
DRAWN BY
C. HUANG
CHECKED BY
B. OLP
IN CHARGE
J. SWANSON
DATE
08/29/25

PEPD
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USE ONLY

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stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - LA MIRADA CREEK
GENERAL PLAN 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
ST-K1251
SCALE
AS SHOWN
SHEET NO.



PIER: ASSUME 14" STEEL HP PILE, L = 80'
280 KIPS @ NOMINAL

NOTES:

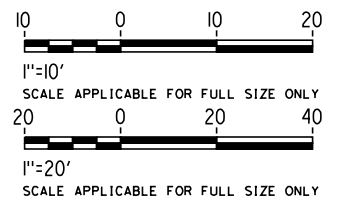
- ① STRUCTURE APPROACH SLAB
- ② PARAPET
- ③ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- ④ WINGWALL
- ⑤ WALKWAY (3'-0" WIDE)
- ⑥ NEW UTILITY DUCT
- ⑦ DRAINAGE PIPE

LEGEND:

- INDICATES EXISTING FEATURES
 INDICATES HIGH WATER LEVEL (100 YEAR STORM)
 INDICATES LIMITS OF EXIST BRIDGE REMOVAL
 (M) PROPOSED ALIGNMENT
 (m) EXISTING ALIGNMENT

GENERAL NOTE:

1. PROPOSED SHARED WIDEN BRIDGE HAS AN OUTWARD 2% SLOPE FROM EDGE OF EXISTING BRIDGE.
2. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
3. ALL TRACKS ARE AT THE SAME ELEVATION.
4. FOUNDATION SYSTEM TO BE DETERMINED NEXT DESIGN STAGE

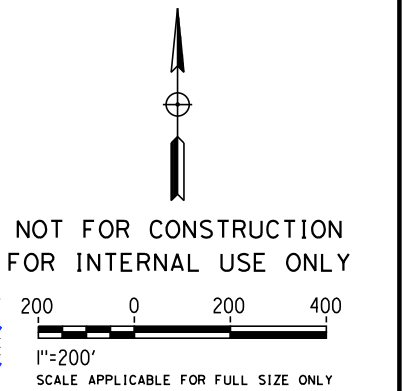


NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

						DESIGNED BY S. LEE	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING PROJECT DOCUMENT GRADE SEPARATION - LA MIRADA CREEK GENERAL PLAN 2 OF 2	CONTRACT NO. HSR06-0005
						DRAWN BY C. HUANG					DRAWING NO. ST-K1252
						CHECKED BY B. OLP					SCALE AS SHOWN
						IN CHARGE J. SWANSON					SHEET NO.
REV	DATE	BY	SUB	APP	DESCRIPTION	DATE 08/29/25					



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25

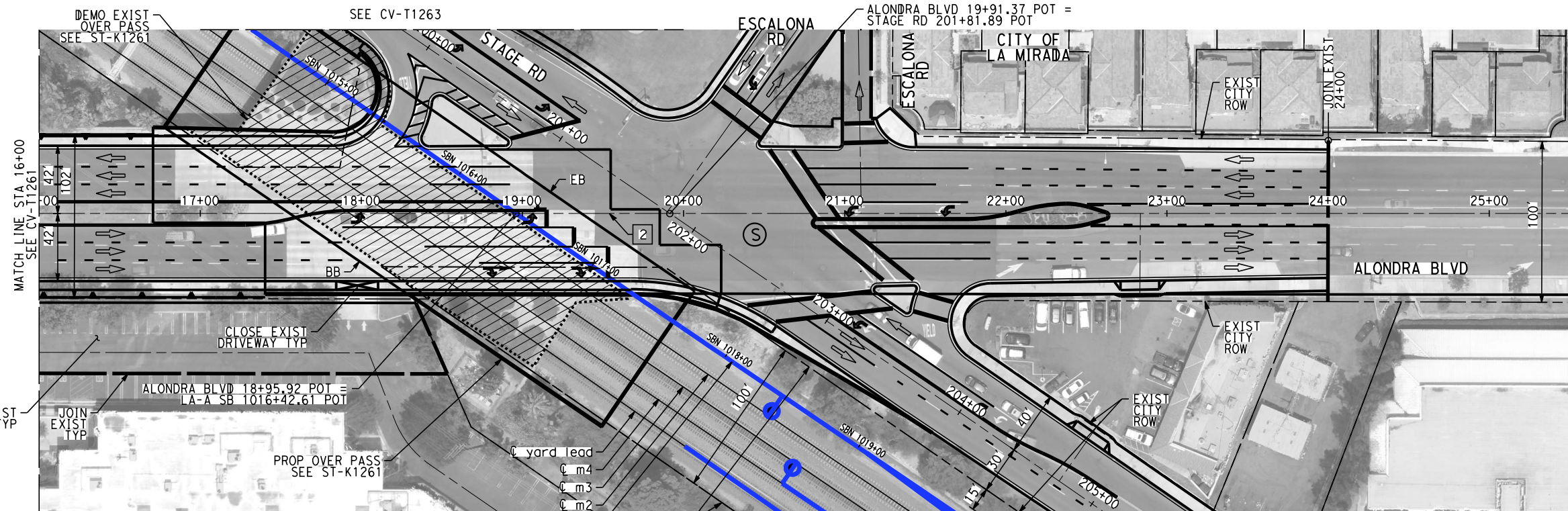
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CONSTRUCTION



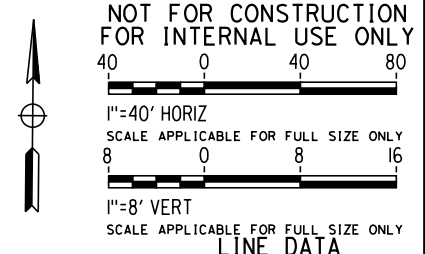
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA BLVD
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0261
SCALE
1" = 200'
SHEET NO.

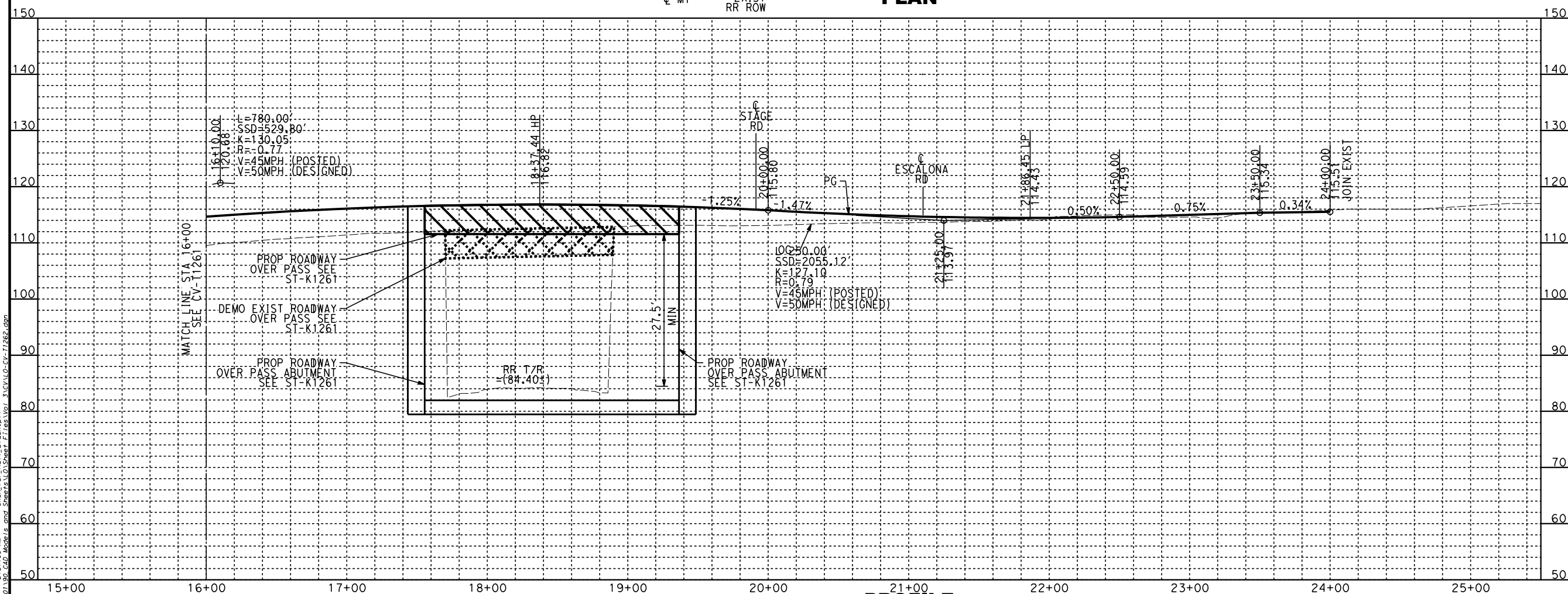


PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



LINE DATA		
NO	BEARING	DISTANCE
2	N89°24'45"E	1780.03'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

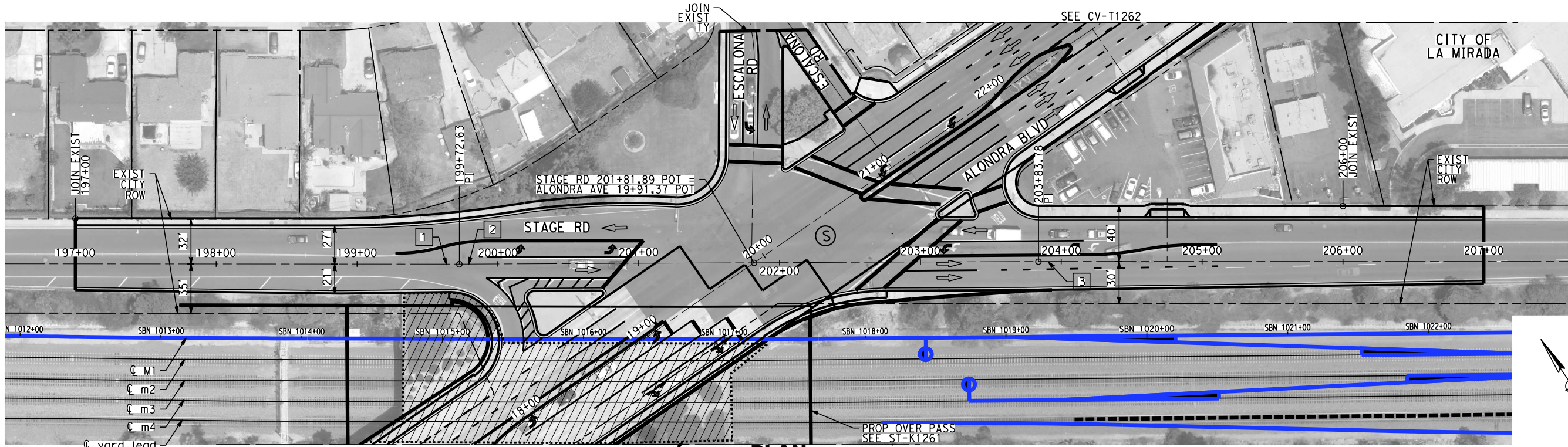
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA BLVD
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1262
SCALE AS SHOWN
SHEET NO.

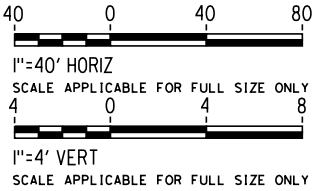


PLAN

NOTES:

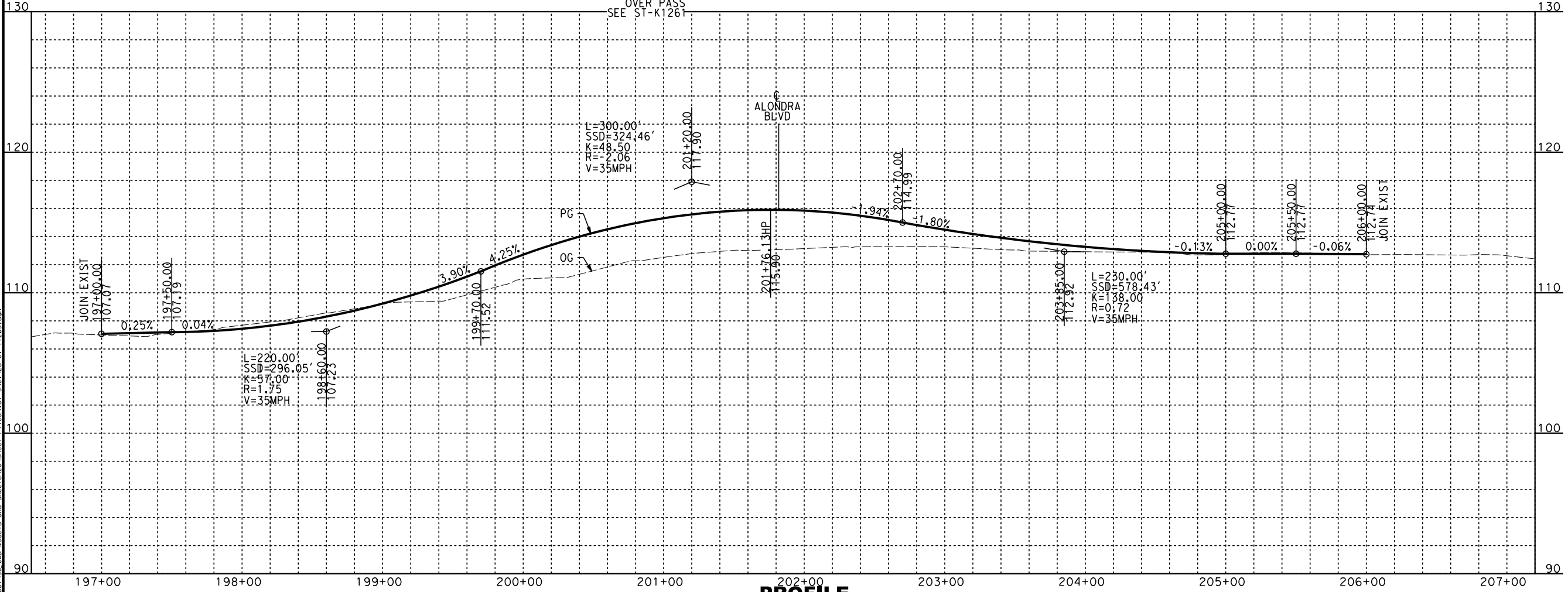
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



LINE DATA

NO	BEARING	DISTANCE
1	S55°52'33"E	2099.67'
2	S56°09'31"E	411.14'
3	S55°54'24"E	1469.05'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

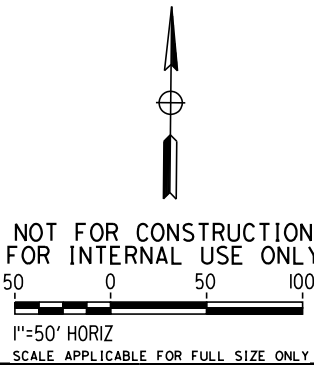
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - STAGE RD
PLAN AND PROFILE - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1263
SCALE
AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

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CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

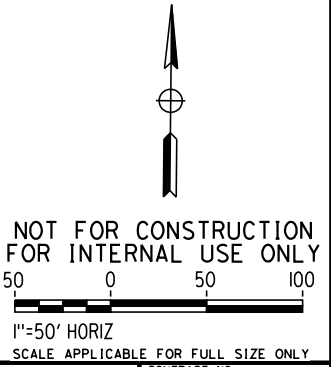
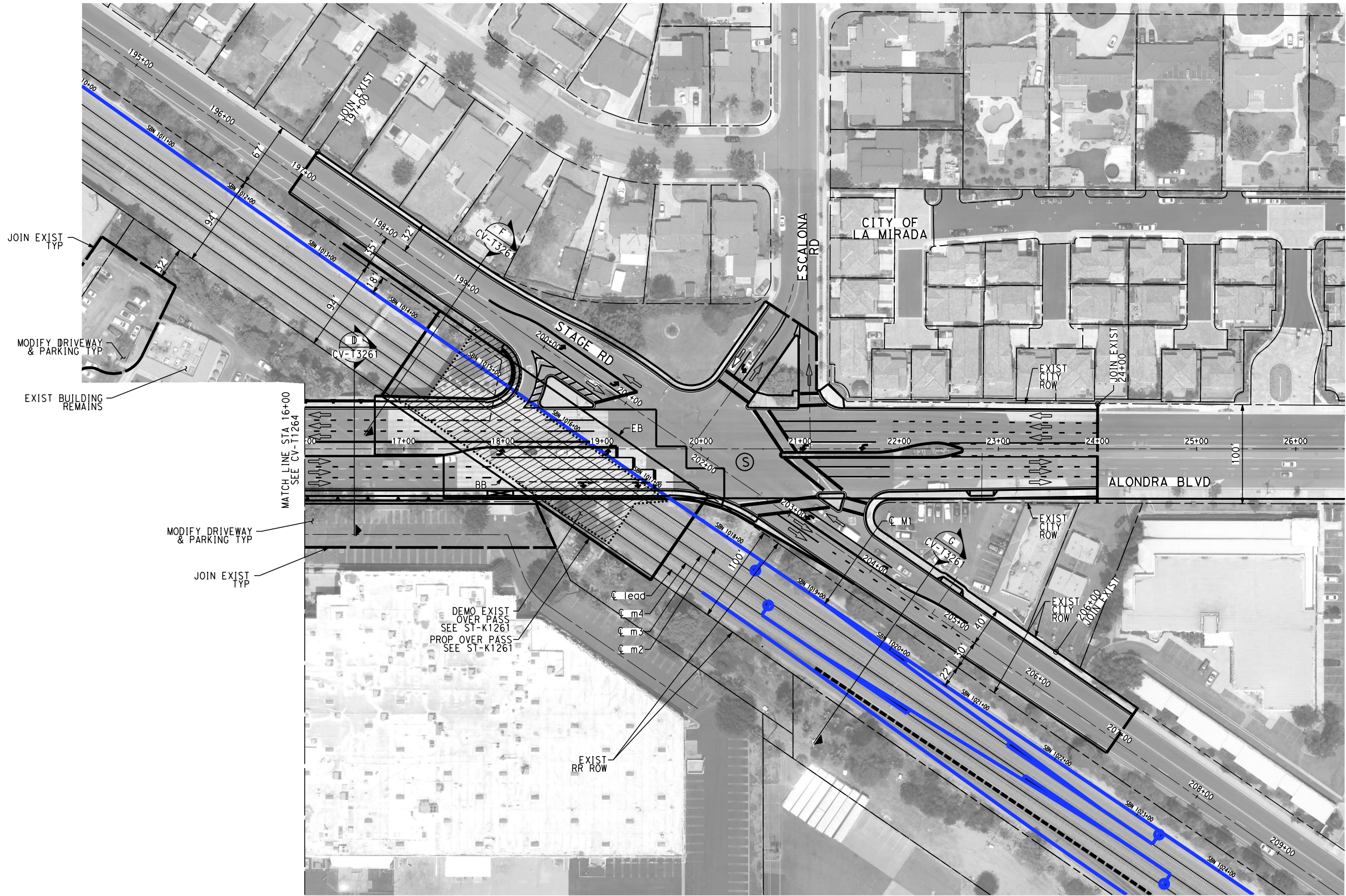
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA AVE
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T1264
SCALE	AS SHOWN
SHEET NO.	

ChiangM	2/6/2025	2:57:32 AM	CHSR_PDF_half_black.plt
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- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

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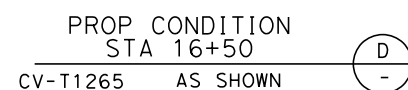
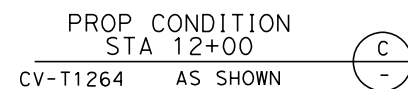
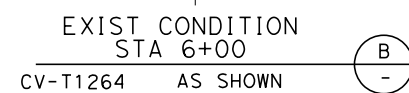
NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA AVE
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1265
SCALE
AS SHOWN
SHEET NO.

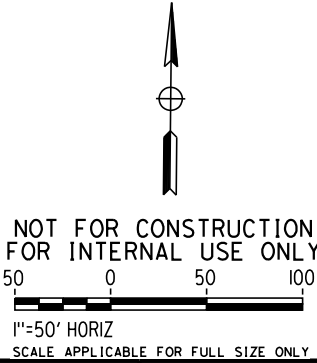


- | | |
|--------------|------------|
| CONTRACT NO. | HSR06-0005 |
| DRAWING NO. | CV-T3261 |
| SCALE | AS SHOWN |
| SHEET NO. | |

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



MATCH LINE STA 16+00
SEE UT-Y1265



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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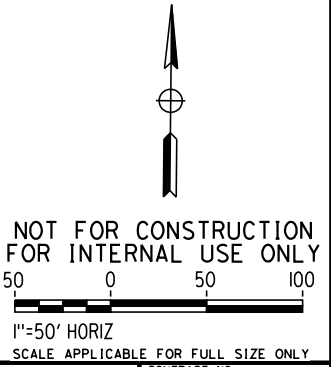
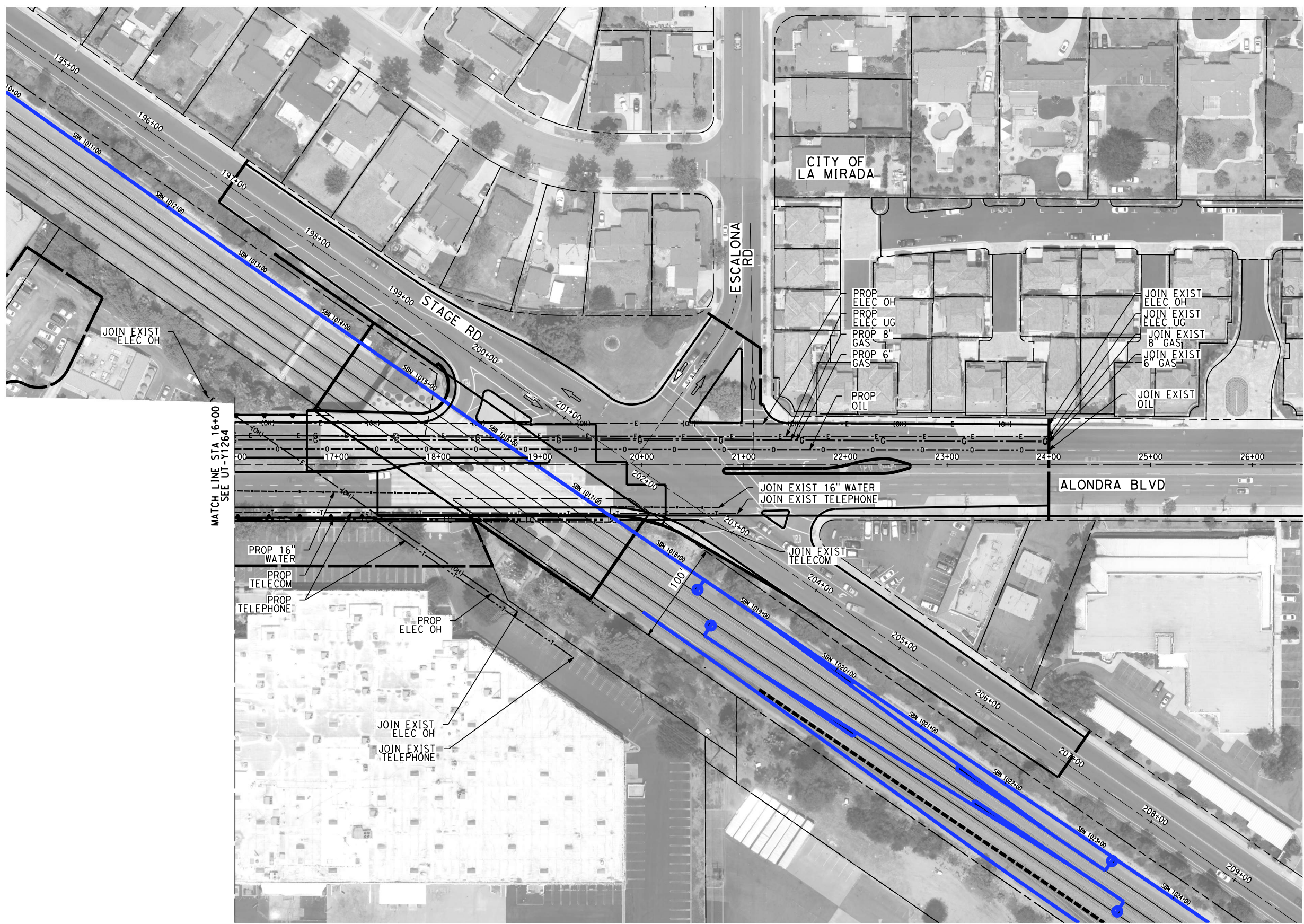
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA AVE
UTILITY PLAN - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. UT-Y1264
SCALE AS SHOWN
SHEET NO.

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

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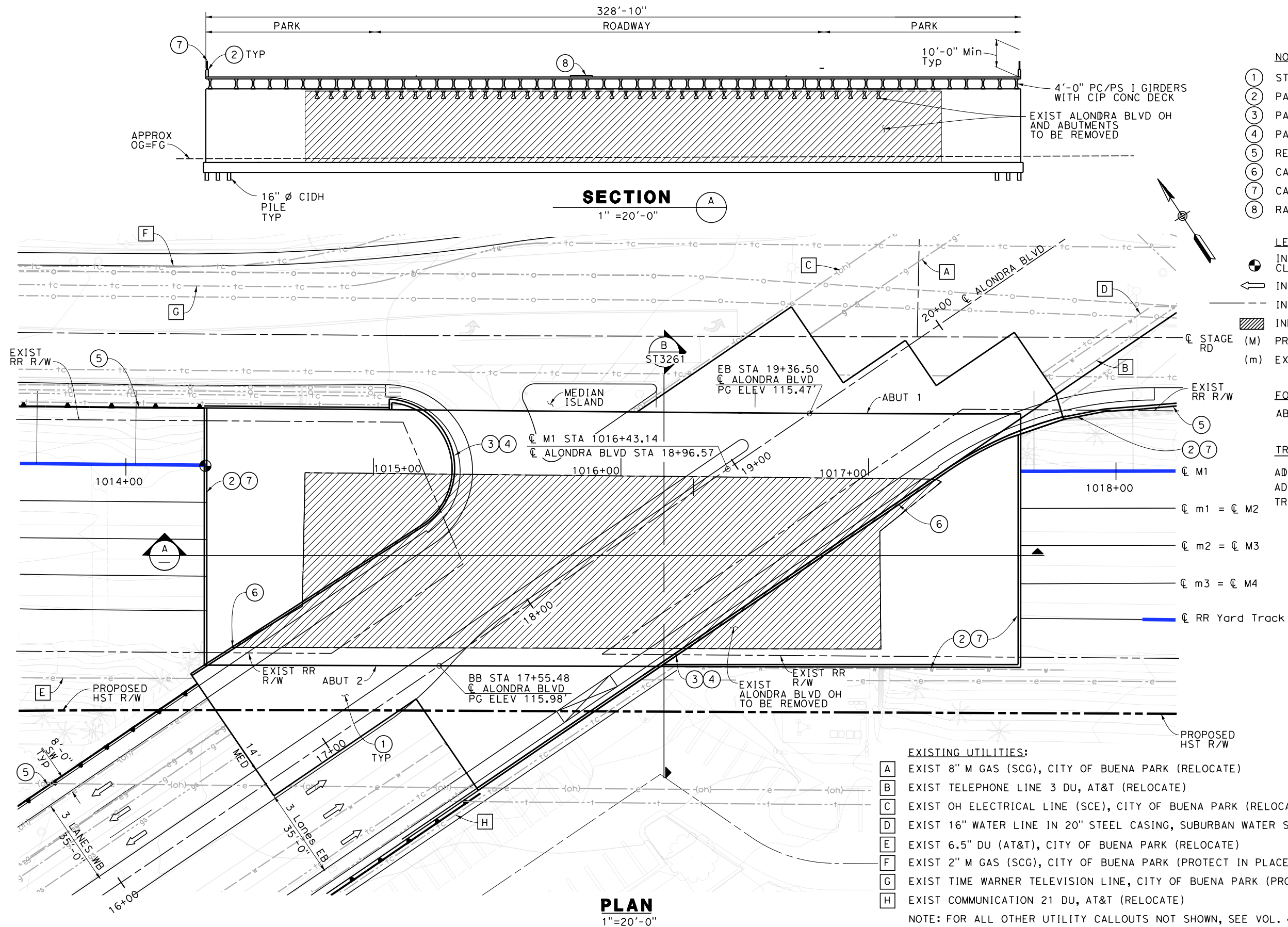
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA AVE
UTILITY PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1265
SCALE
AS SHOWN
SHEET NO.

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ChiangM



PLAN
1"=20'-0"

SECTION
1"=20'-0"

A

NOTES:

- ① STRUCTURE APPROACH SLAB
- ② PARAPET WITH CHAIN LINK RAILING
- ③ PAINT "BR. NO. XX-XXX"
- ④ PAINT "ALONDRA BLVD OVERHEAD"
- ⑤ RETAINING WALL
- ⑥ CALTRANS' STANDARD CONCRETE BARRIER TYPE 26
- ⑦ CALTRANS' STANDARD CHAIN LINK RAILING TYPE 3
- ⑧ RAISED MEDIAN

LEGEND:

- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (24'-6" MIN)
- ← INDICATES DIRECTION OF TRAFFIC
- INDICATES EXISTING BRIDGE
- ▨ INDICATES LIMITS OF BRIDGE REMOVAL
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

FOUNDATION:

ABUTMENTS: ASSUME 16" Ø CIDH PILES, L = 60'
140 KIPS @ SERVICE

TRAFFIC (PER DAY):

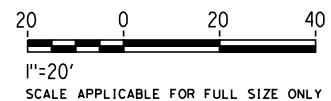
ADT₂₀₁₀: 26,200
ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

EXISTING UTILITIES:

- A EXIST 8" M GAS (SCG), CITY OF BUENA PARK (RELOCATE)
- B EXIST TELEPHONE LINE 3 DU, AT&T (RELOCATE)
- C EXIST OH ELECTRICAL LINE (SCE), CITY OF BUENA PARK (RELOCATE)
- D EXIST 16" WATER LINE IN 20" STEEL CASING, SUBURBAN WATER SYSTEMS (RELOCATE)
- E EXIST 6.5" DU (AT&T), CITY OF BUENA PARK (RELOCATE)
- F EXIST 2" M GAS (SCG), CITY OF BUENA PARK (PROTECT IN PLACE)
- G EXIST TIME WARNER TELEVISION LINE, CITY OF BUENA PARK (PROTECT IN PLACE)
- H EXIST COMMUNICATION 21 DU, AT&T (RELOCATE)

NOTE: FOR ALL OTHER UTILITY CALLOUTS NOT SHOWN, SEE VOL. 4 UT-C1577

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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY
S. LEE
DRAWN BY
C. HUANG
CHECKED BY
B. OLP
IN CHARGE
J. SWANSON
DATE
02/28/25

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stv

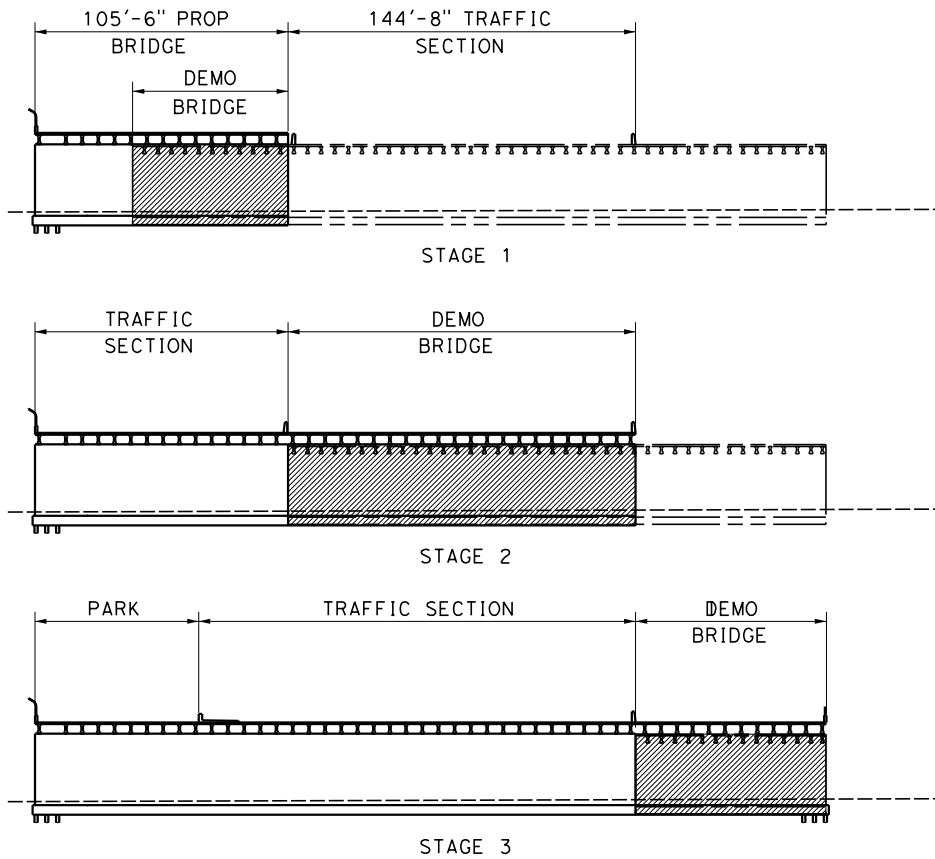


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - ALONDRA BLVD
GENERAL PLAN

CONTRACT NO.
HSR06-0005
DRAWING NO.
ST-K1261
SCALE
AS SHOWN
SHEET NO.

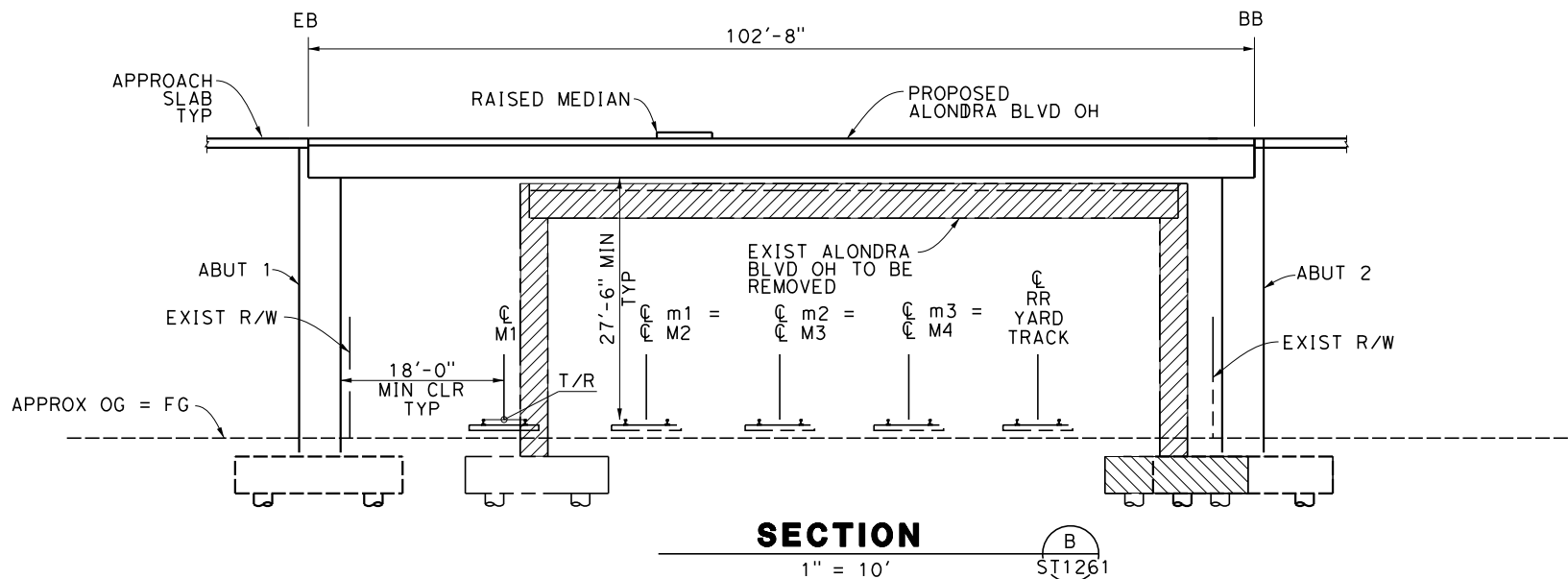
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SUGGESTED STAGING PLAN
NTS

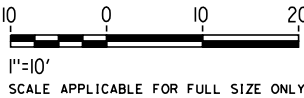
- SUGGESTED CONSTRUCTION STAGING NOTES:**
1. THE CONSTRUCTION STAGING FOR ALONDRA BLVD. MUST BE CLOSELY COORDINATED WITH BNSF, AND THE CITY OF LA MIRADA.
 2. SECTION SHOWN FOR STAGING PLAN IS SIMILAR TO SECTION A IN DWG. ST-K1261.
 3. DEMOLISH NORTHERN PORTION OF EXISTING BRIDGE. MOVE ALONDRA BLVD. EB AND WB TRAFFIC TO SOUTH SIDE OF BRIDGE.
 4. CONSTRUCT NEW NORTHERN PORTION OF BRIDGE.
 5. MOVE TRAFFIC INTO NEW NORTHERN SECTION OF BRIDGE. ALONDRA BLVD EB AND WB TRAFFIC WILL SHARE ONE LANE ON THE NORTH SIDE OF THE BRIDGE. THIS STAGE WILL REQUIRE 90 DEGREE TURNS FOR ALL TRAFFIC ON ALONDRA BLVD.
 6. DEMOLISH AND CONSTRUCT MIDDLE PORTION OF NEW BRIDGE.
 7. SHIFT ALL VEHICLE TRAFFIC TO FINAL LOCATION.
 8. DEMOLISH AND CONSTRUCT EASTERN SECTION OF NEW BRIDGE.

- LEGEND:**
- INDICATES EXISTING BRIDGE
 - ▨ INDICATES LIMITS OF BRIDGE REMOVAL
 - (M) PROPOSED ALIGNMENT
 - (m) EXISTING ALIGNMENT



SECTION
1" = 10'
B
ST1261

NOT FOR CONSTRUCTION
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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 02/28/25

**PEPD
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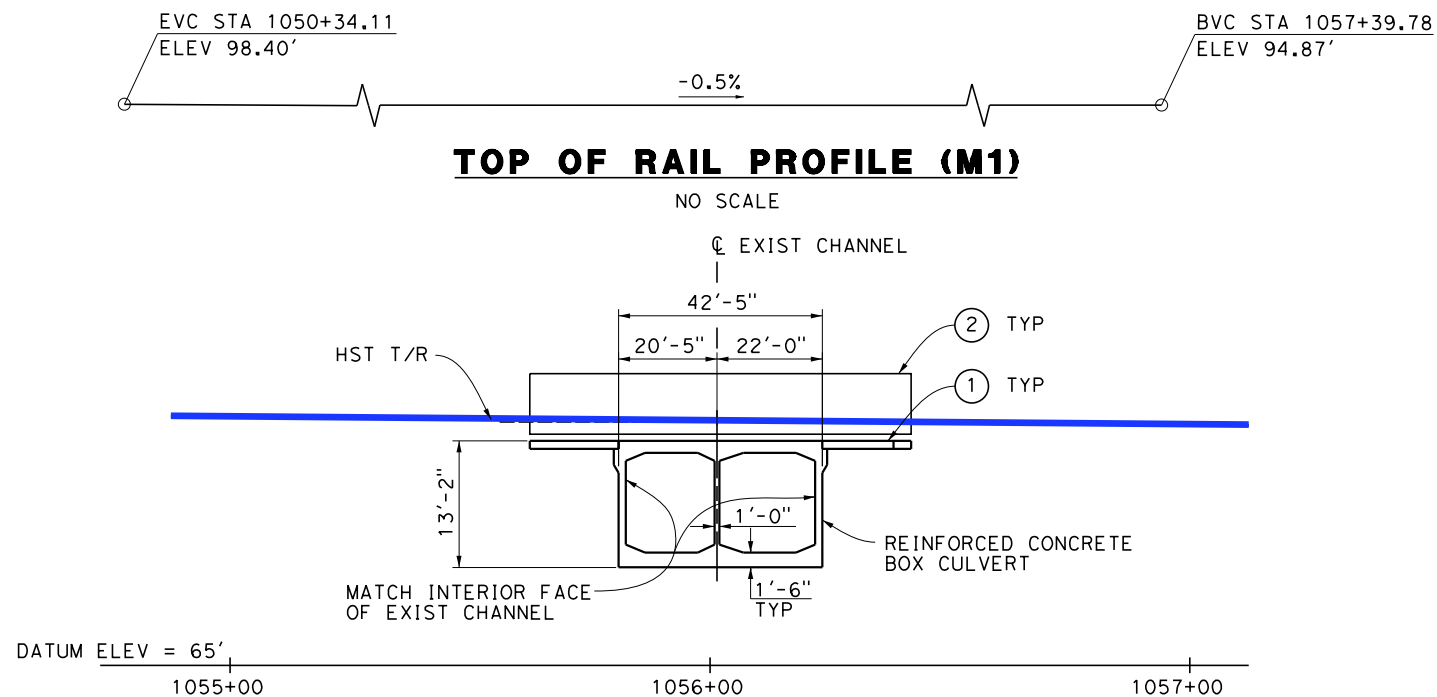
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - ALONDRA BLVD
STRUCTURAL SECTION

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3261
SCALE AS SHOWN
SHEET NO.

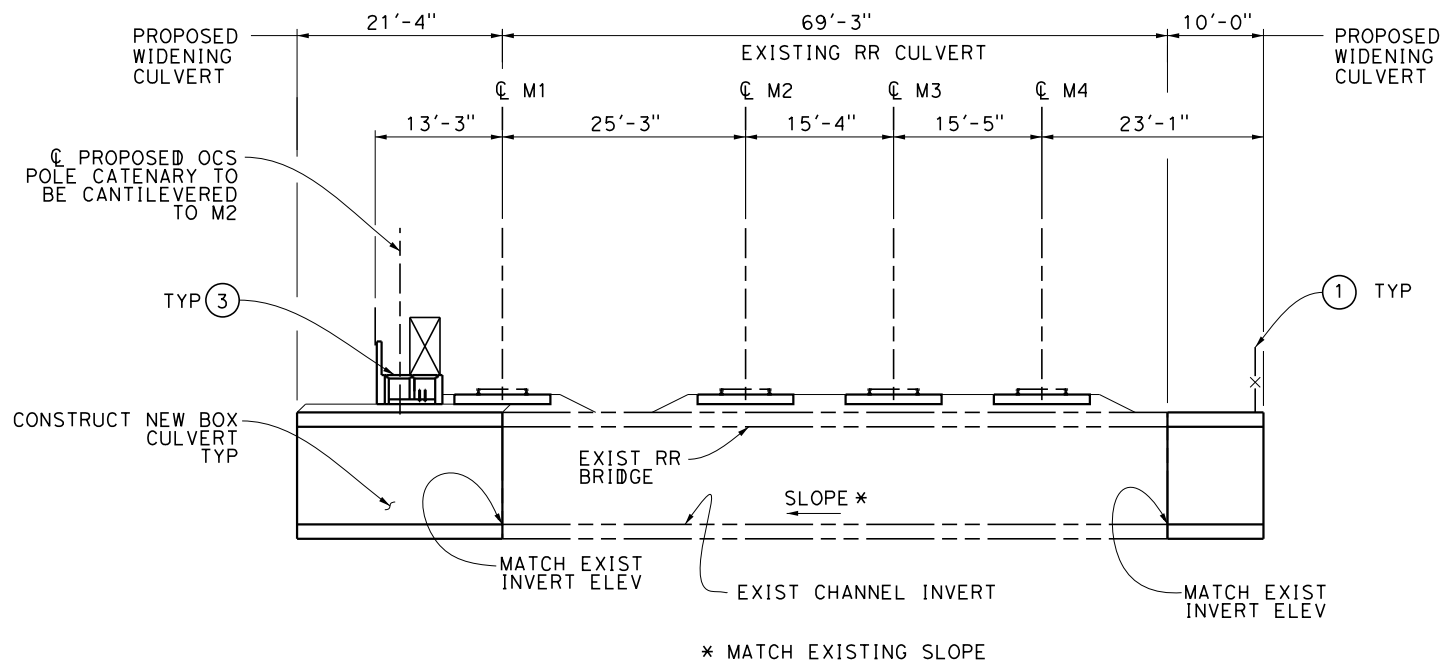
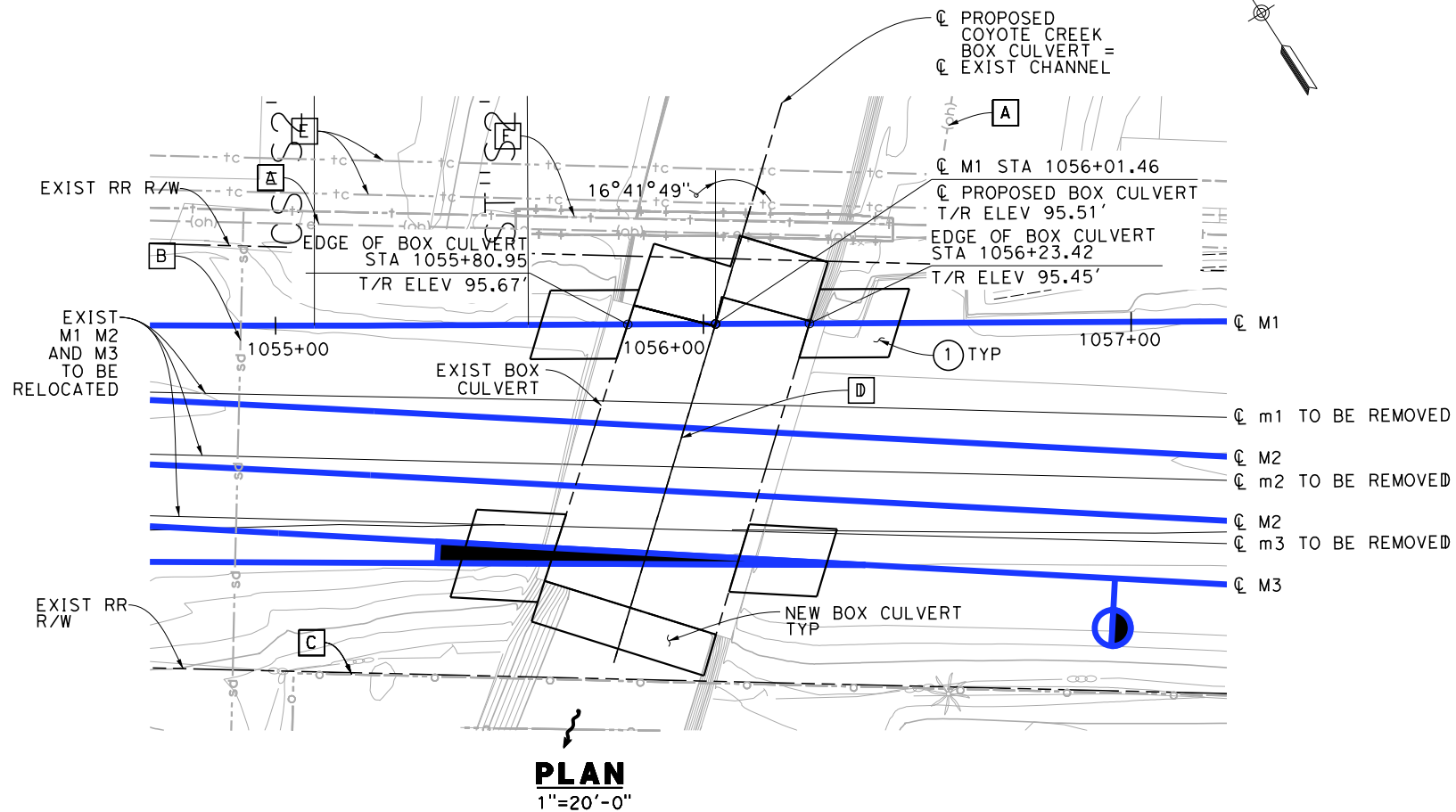
2/6/2025 2:59:22 AM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K1264.dgn



- NOTE:
1. MATCH EXIST CULVERT DIMENSIONS
 2. MEASURED ALONG CL OF M1

ELEVATION

1" = 20'-0"



LONGITUDINAL SECTION ALONG CL OF CULVERT

1" = 20"

NOTES:

- (1) STRUCTURE APPROACH SLAB
- (2) NEW FENCE
- (3) NEW UTILITY DUCT

EXISTING UTILITIES:

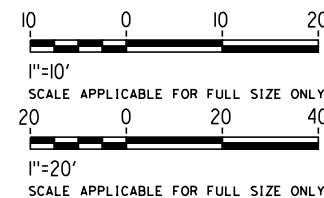
- (A) EXIST SCE-OC61-7D OVERHEAD ELECTRICAL LINE, CITY OF BUENA PARK (PROTECT IN PLACE)
- (B) EXIST 9.5' X 8' CONCRETE CULVERT, CITY OF BUENA PARK (PROTECT IN PLACE)
- (C) EXIST 8" OIL (CHEVRON), CITY OF BUENA PARK (PROTECT IN PLACE)
- (D) EXIST DOUBLE BOX CHANNEL, CITY OF BUENA PARK (PROTECT IN PLACE)
- (E) EXIST ELECTRIC LINE, CITY OF BUENA PARK (PROTECT IN PLACE)
- (F) EXIST TELECOMMUNICATION LINE (DIRECT TV), CITY OF BUENA PARK (PROTECT IN PLACE)

LEGEND:

- INDICATES EXISTING FEATURES
- ~ INDICATES DIRECTION OF FLOW

TRAFFIC (PER DAY):

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

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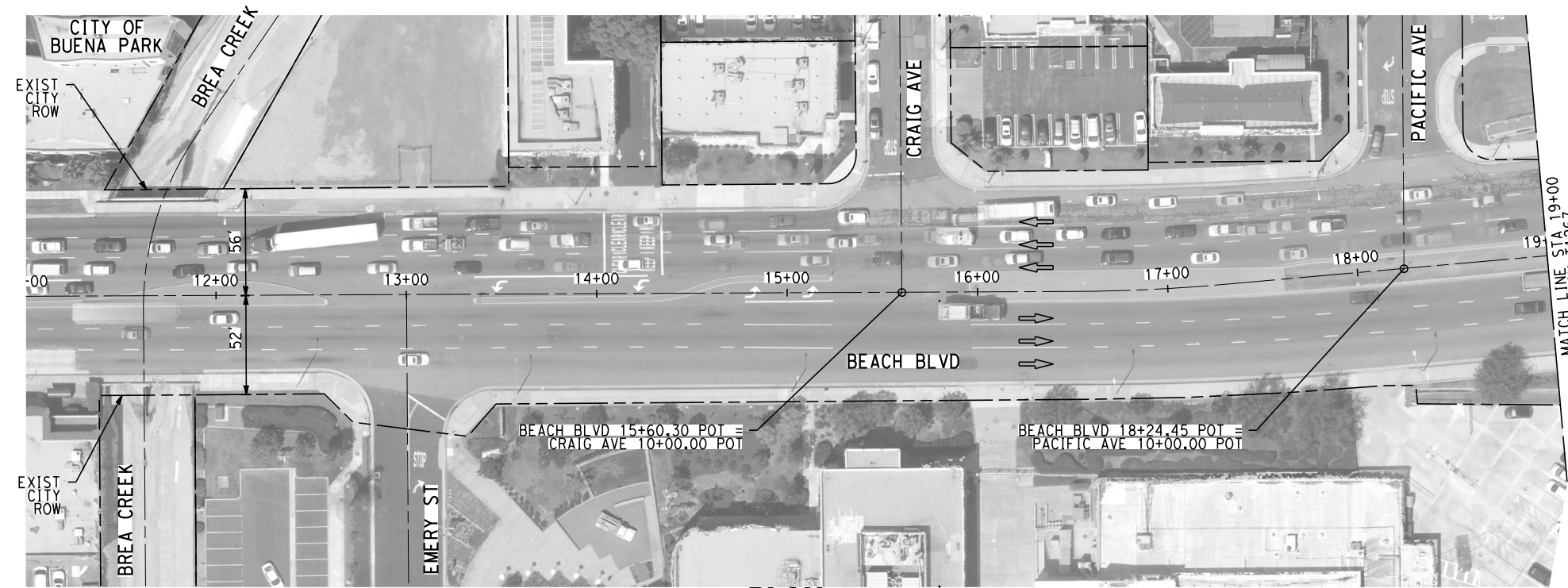
stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - COYOTE CREEK
GENERAL PLAN

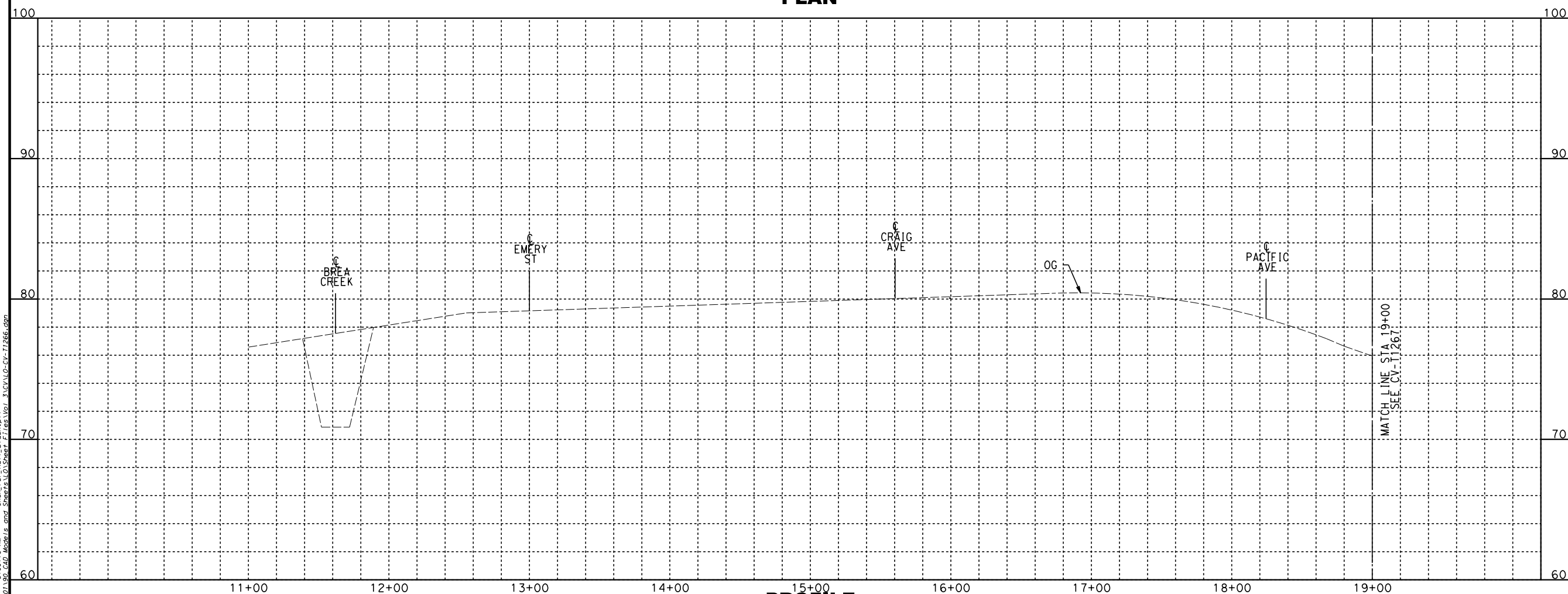
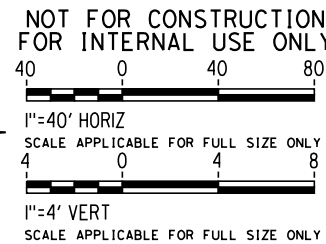
CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1264
SCALE AS SHOWN
SHEET NO.



PLAN

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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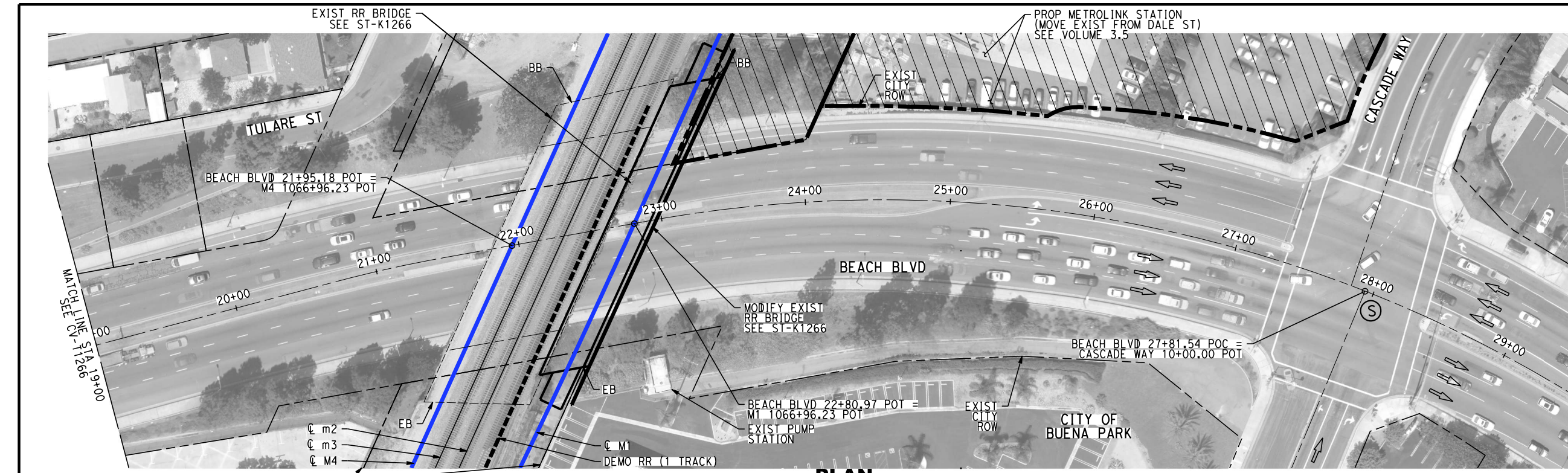
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

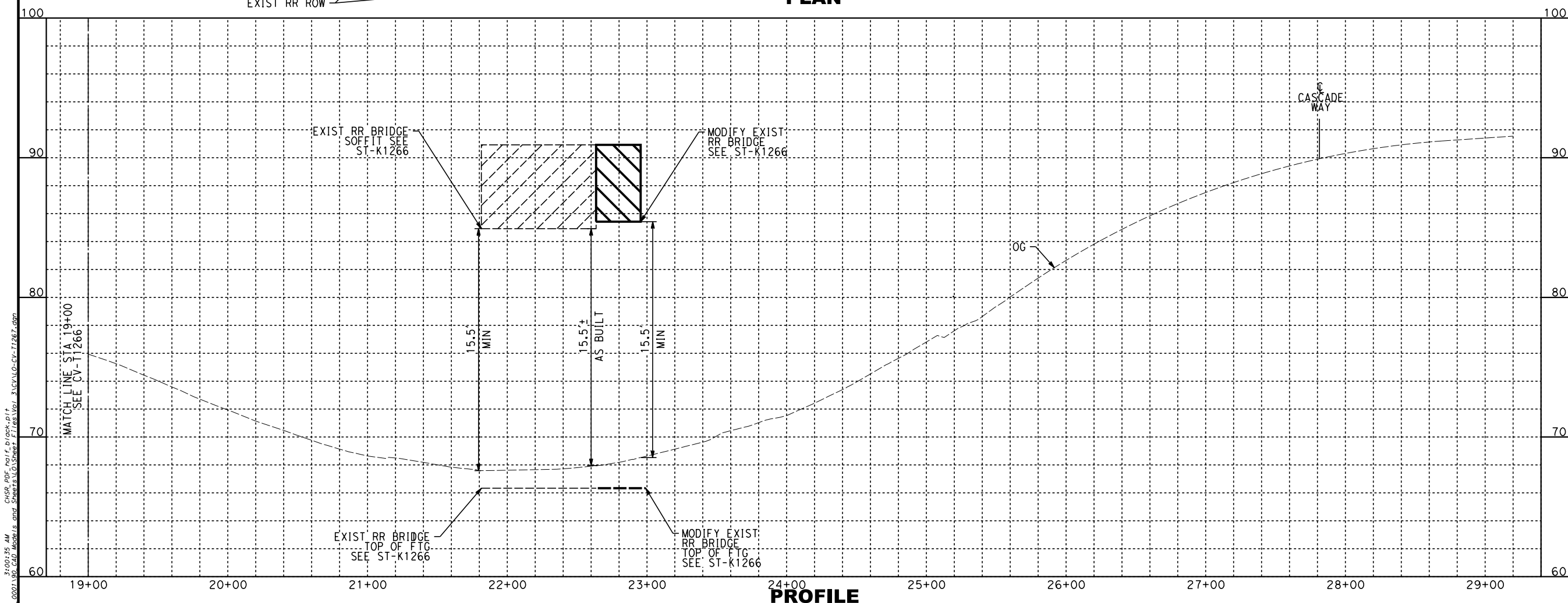
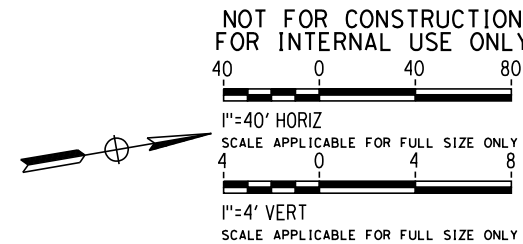
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - BEACH BLVD
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1266
SCALE AS SHOWN
SHEET NO.

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- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



2/6/2025 3:00:35 AM C:\HSR_PDF_half_black.plt T:\Projects\4017456\4017456_0001\90 CAD Models and Sheets\10 Sheets\Files\CV-T1267.dgn					DESIGNED BY A. CHIANG DRAWN BY A. CHIANG CHECKED BY A. BOSCH IN CHARGE J. SWANSON DATE 02/28/25		PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION				CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - BEACH BLVD PLAN AND PROFILE - SHEET 2 OF 2		CONTRACT NO. HSR06-0005 DRAWING NO. CV-T1267 SCALE AS SHOWN SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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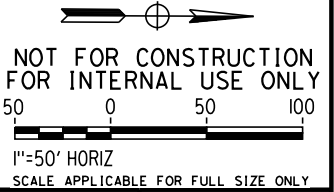


CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - BEACH BLVD
IMPACT PLAN - SHEET 1 OF 2

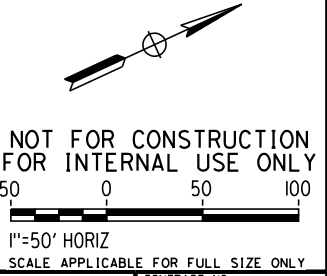
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1268
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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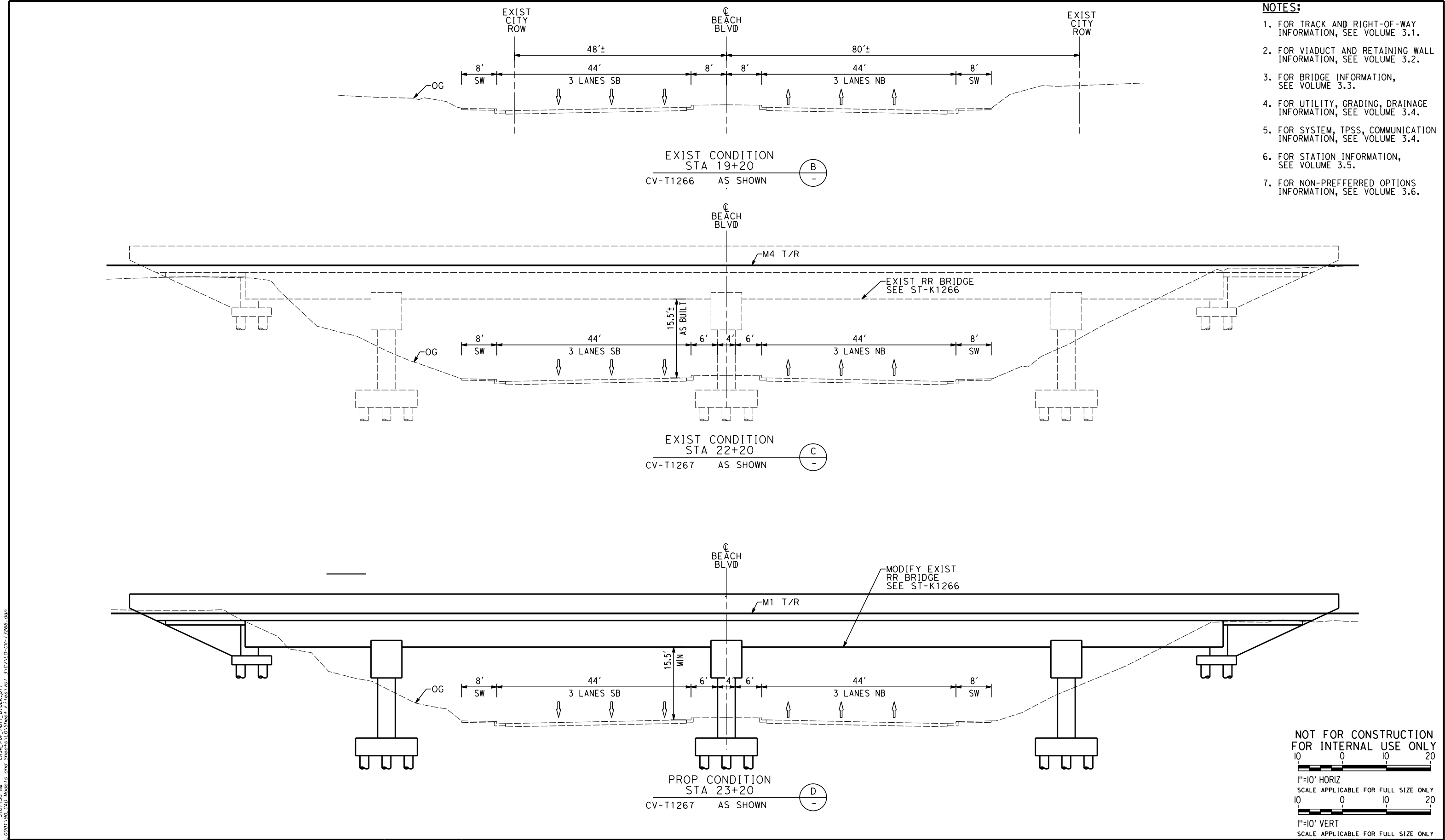
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - BEACH BLVD
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1269
SCALE AS SHOWN
SHEET NO.

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
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CONSTRUCTION



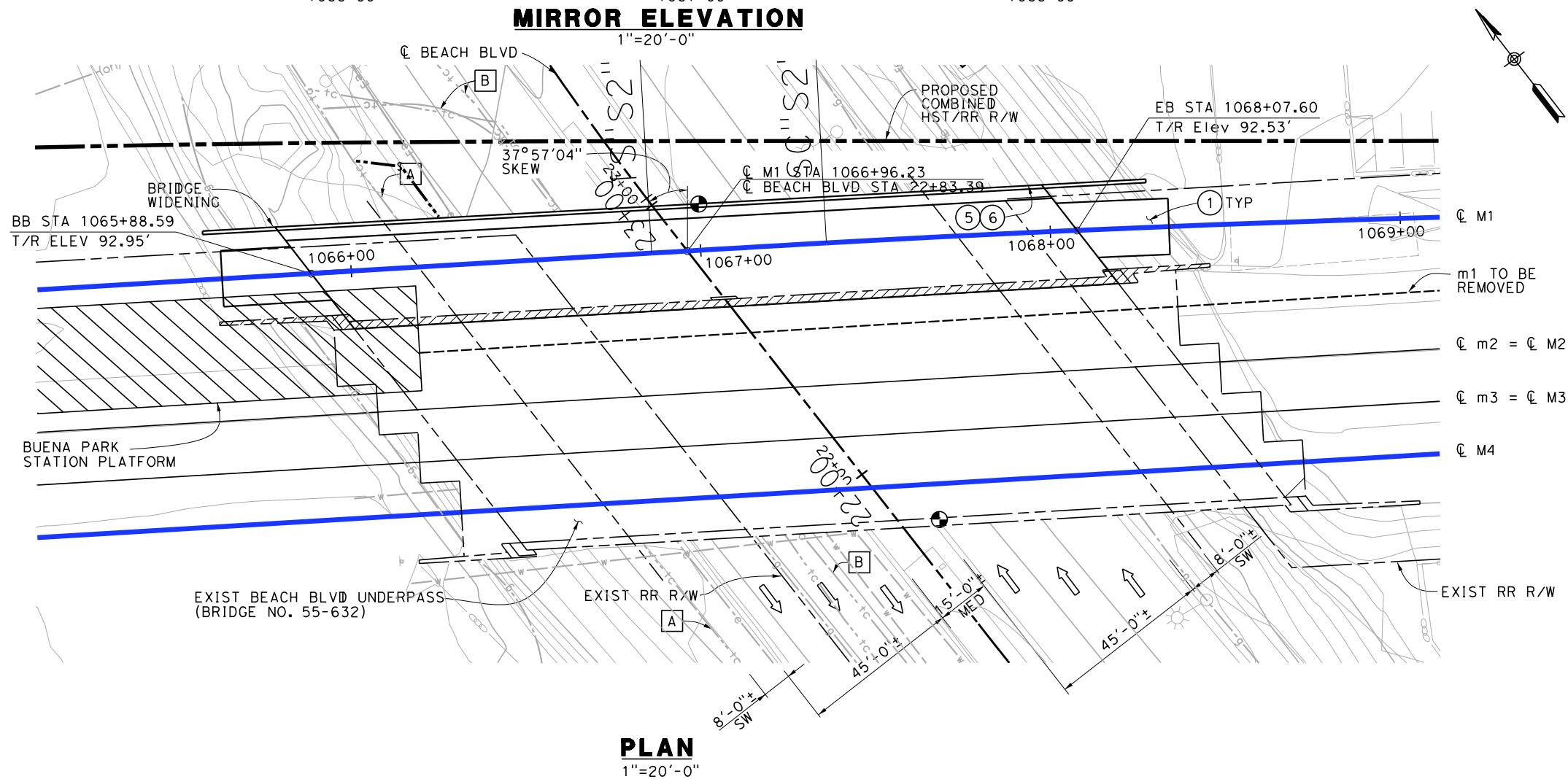
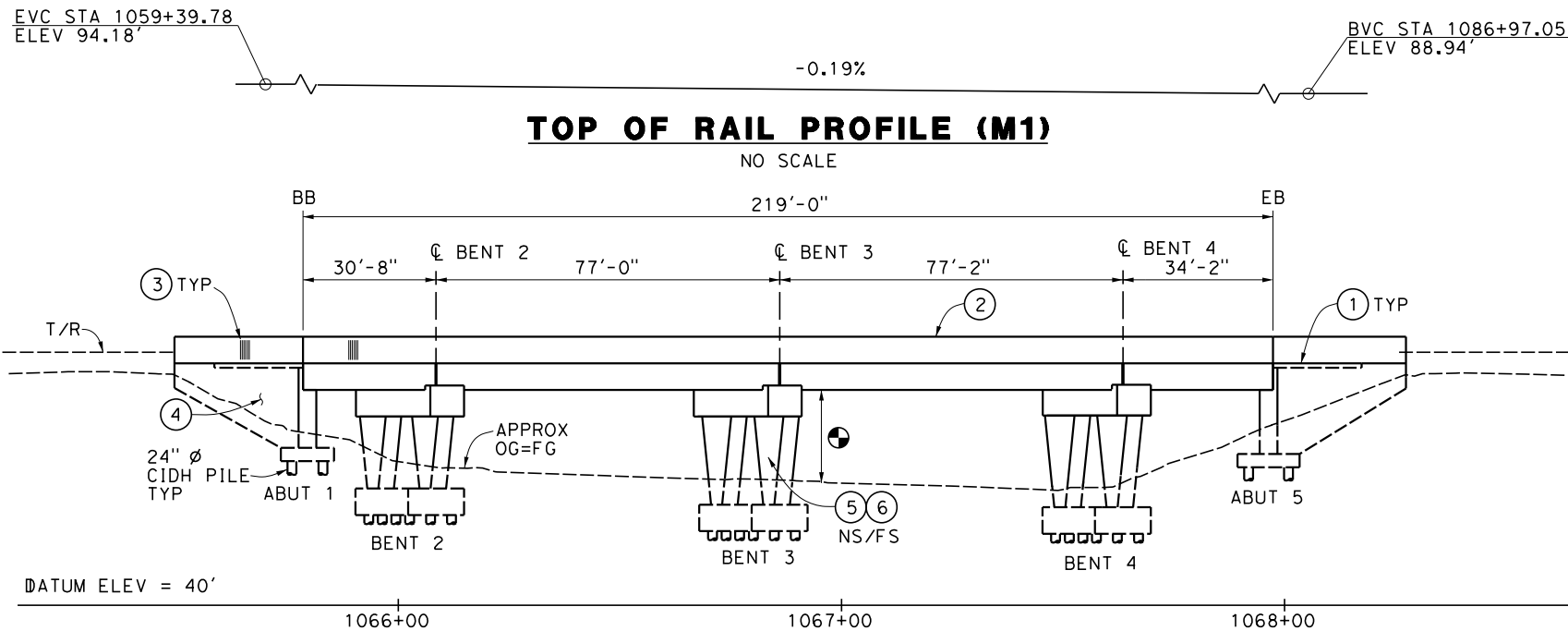
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - BEACH BLVD
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3266
SCALE
AS SHOWN
SHEET NO.

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GENERAL NOTES:

BRIDGE #55-632

DESIGN DATE: MARCH 15, 1982

DESIGN: AMERICAN RAILWAY ENGINEERING ASSOC (AREA) MANUAL FOR RAILWAY ENGINEERING DATED AUGUST 1980

LIVE LOADING: COOPER E-80

REINFORCED CONCRETE: $f_s = 24,000$ PSI, $n = 10$
 $f_c = 1,800$ PSI ($f'c = 3,250$ PSI @ 28 DAYS)

WORKING FORCE IN PRESTRESSING STRANDS

SPAN 1 & 4: $P_f = 330$ K PER BOX GIRDER

SPAN 2 & 3: $P_f = 1319$ K PER BOX GIRDER

STEEL STRESS @ RELEASE: $F_{si} = 189$ KSI

FOOTING PREASURE: 3 TONS PSF

PILE LOADING

ABUT 1 & 5: 150 TONS

BENT 2, 3, & 4: 200 TONS

REINFORCEMENT

SPAN 1 & 4: GRADE 60

SPAN 2 & 3: GRADE 50

NO RETROFIT OF THIS STRUCTURE

- NOTES:**
- 1 STRUCTURE APPROACH SLAB
 - 2 PARAPET
 - 3 ARCHITECTURAL TREATMENT (TO BE DETERMINED)
 - 4 WINGWALL
 - 5 PAINT "BR. NO. 55-632"
 - 6 PAINT "BEACH BLVD UNDERPASS"
- LEGEND:**
- INDICATES POINT OF EXIST MINIMUM VERTICAL CLEARANCE (15'-6"±)
 - INDICATES WIDEN POINT OF MINIMUM VERTICAL CLEARANCE (15'-6")
 - ← INDICATES DIRECTION OF TRAFFIC
 - INDICATES EXISTING FEATURES
 - ▨ INDICATES LIMITS OF EXIST BRIDGE REMOVAL
 - (M) PROPOSED ALIGNMENT
 - (m) EXISTING ALIGNMENT
- EXISTING UTILITIES:**
- A EXIST COMMUNICATION LINE, AT&T (PROTECT IN PLACE)
 - B EXIST COMMUNICATION LINE, AT&T (PROTECT IN PLACE)
- NOTE: FOR ALL OTHER UTILITY CALLOUTS NOT SHOWN, SEE VOL. 4 UT-C1581

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH PILE, L = 60'
180 KIPS @ SERVICE

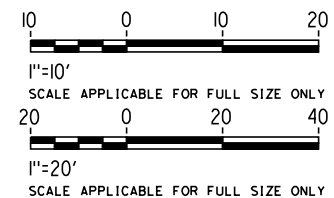
PIER: ASSUME 24" Ø CIDH PILE, L = 80'
500 KIPS @ NOMINAL

TRAFFIC (PER DAY):

ADT₂₀₁₂: 6500

ADT₂₀₃₀: N/A

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY
S. LEE

DRAWN BY
C. HUANG

CHECKED BY
B. OLP

IN CHARGE
J. SWANSON

DATE
02/28/25

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CONSTRUCTION

stv



CALIFORNIA HIGH-SPEED TRAIN PROJECT

LOS ANGELES TO ANAHEIM

RECORD SET

PRELIMINARY ENGINEERING PROJECT DOCUMENT

GRADE SEPARATION - BEACH BLVD

GENERAL PLAN

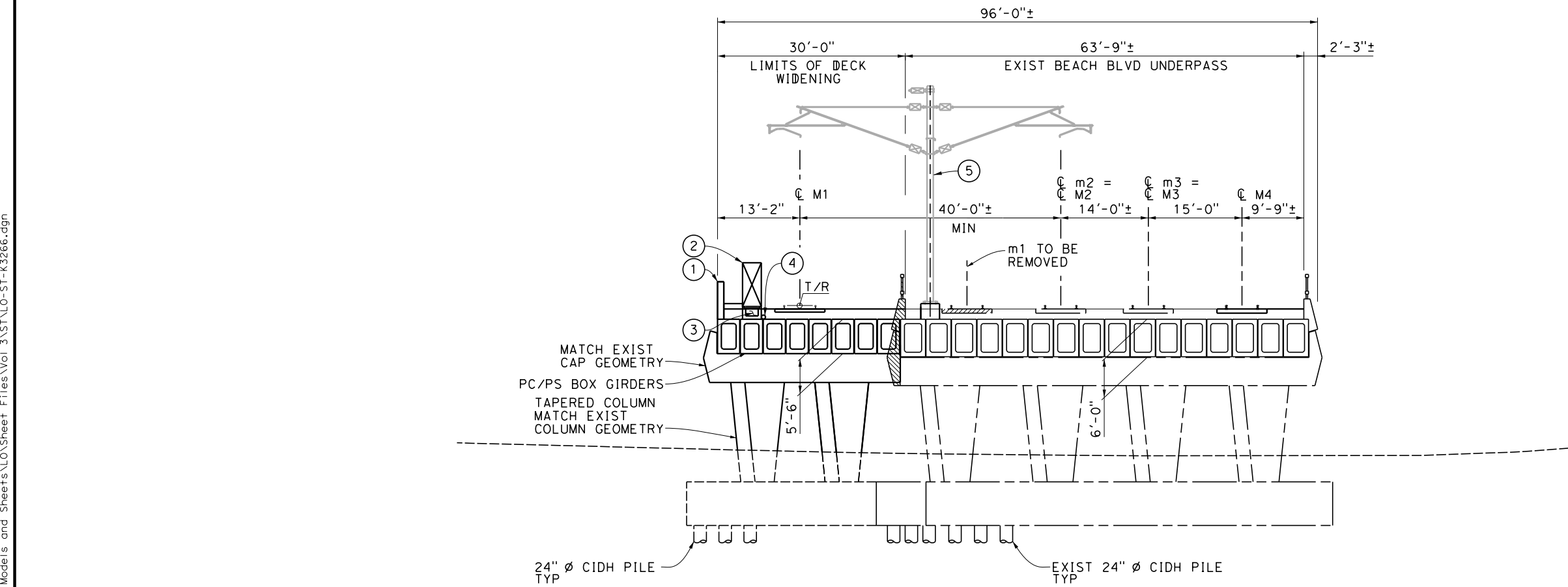
CONTRACT NO.
HSR06-0005

DRAWING NO.
ST-K1266

SCALE
AS SHOWN

SHEET NO.

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TYPICAL SECTION
1"=10'-0"

NOTES:

- ① PARAPET
- ② WALKWAY (3'-0" WIDE)
- ③ NEW UTILITY DUCT
- ④ DRAINAGE PIPE
- ⑤ OCS POLE

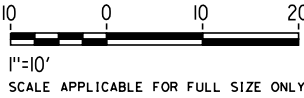
LEGEND:

- INDICATES EXISTING BRIDGE
- ▨ INDICATES LIMITS OF BRIDGE REMOVAL
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

GENERAL NOTE:

HST BRIDGE HAS AN OUTWARD 2% SLOPE FROM C_L BRIDGE.

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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

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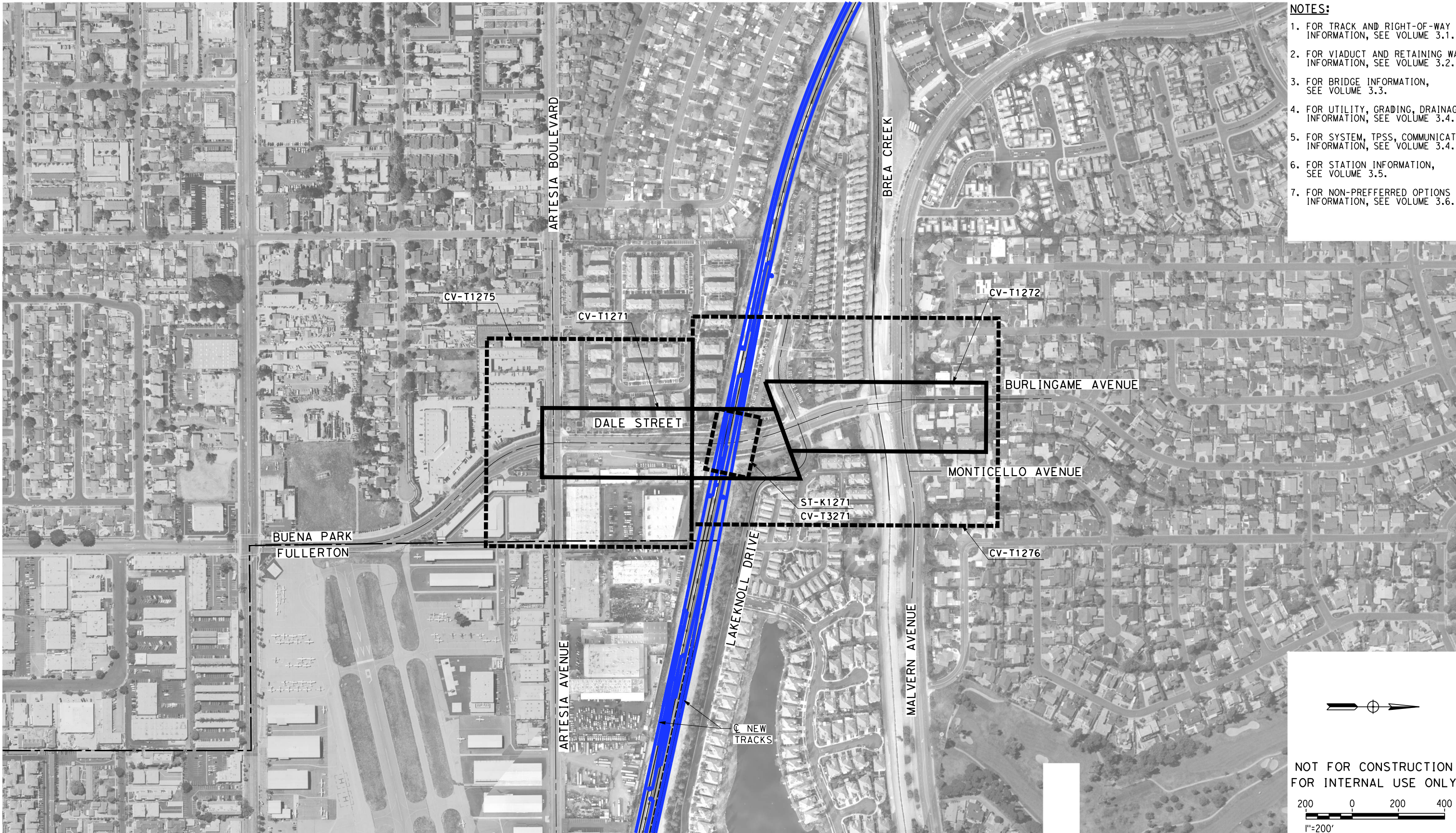


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - BEACH BLVD
STRUCTURAL SECTION

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3266
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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200 0 200 400
1"=200'
SCALE APPLICABLE FOR FULL SIZE ONLY

\$PLOT\$					
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - DALE ST
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0271
SCALE
1" = 200'
SHEET NO.



PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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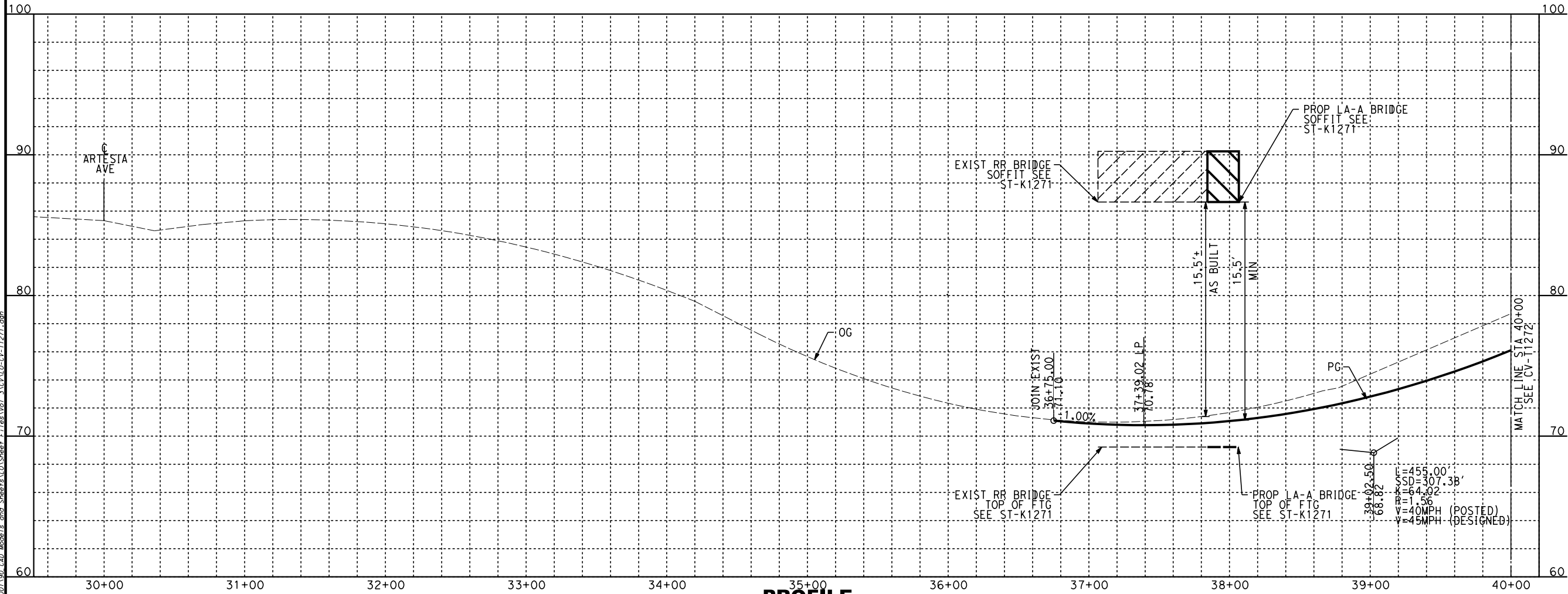
40 0 40 80
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

4 0 4 8
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

NO	R	Δ	T	L
①	850.00'	21°57'11"	164.86'	325.68'

LINE DATA

NO	BEARING	DISTANCE
1	N00°19'34"E	700.59'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - DALE ST
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1271
SCALE AS SHOWN
SHEET NO.



MATCH LINE STA 36+00
SEE CV-T1276

- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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1"=50' HORIZ
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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FOR INTERNAL
USE ONLY

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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

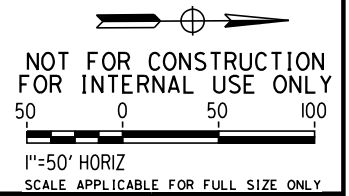
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

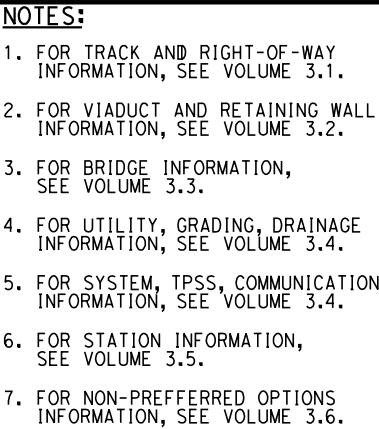
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - DALE ST
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1275
SCALE AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1276
SCALE
AS SHOWN
SHEET NO.



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10 0 10 20

1"=10' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

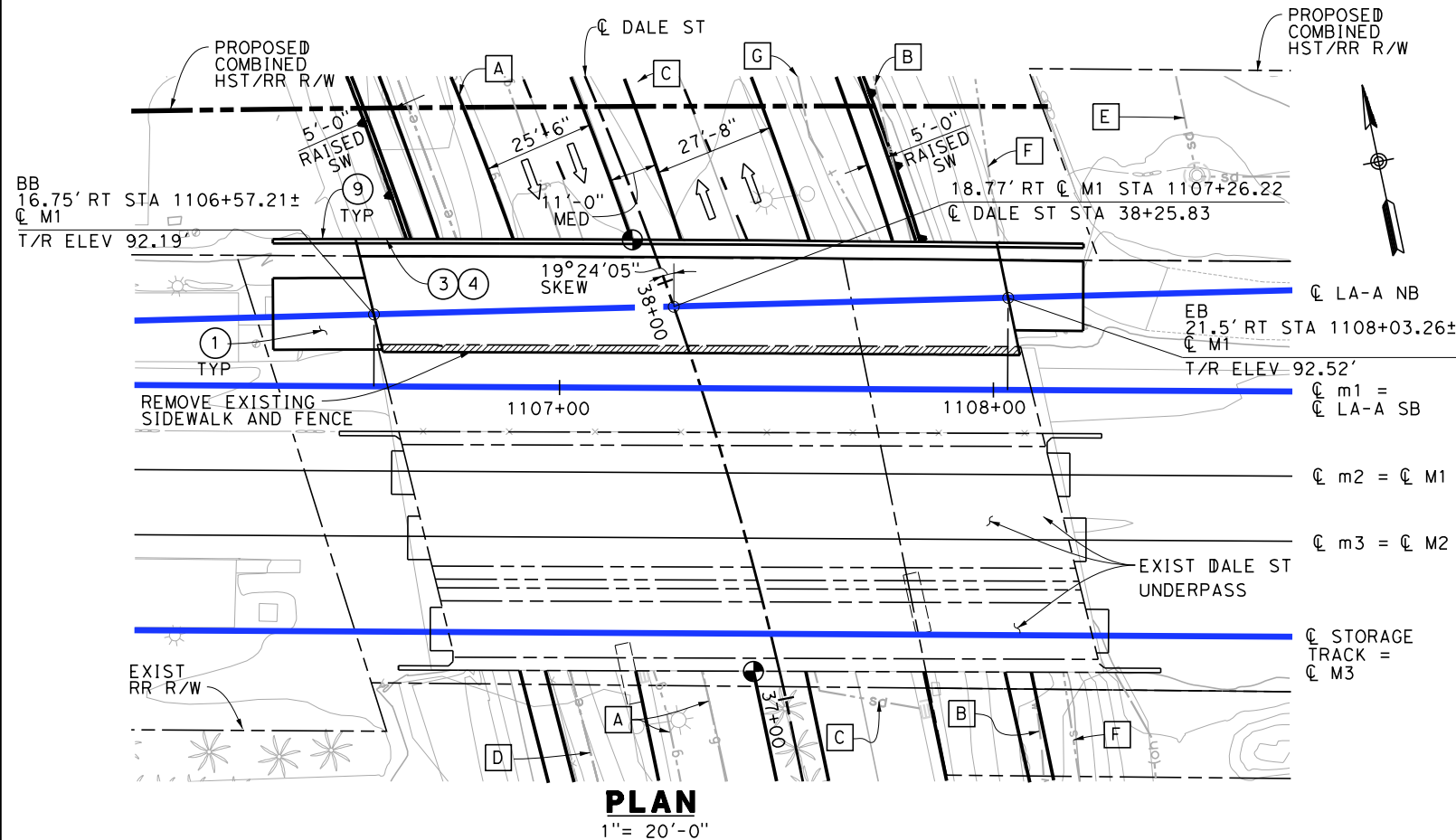
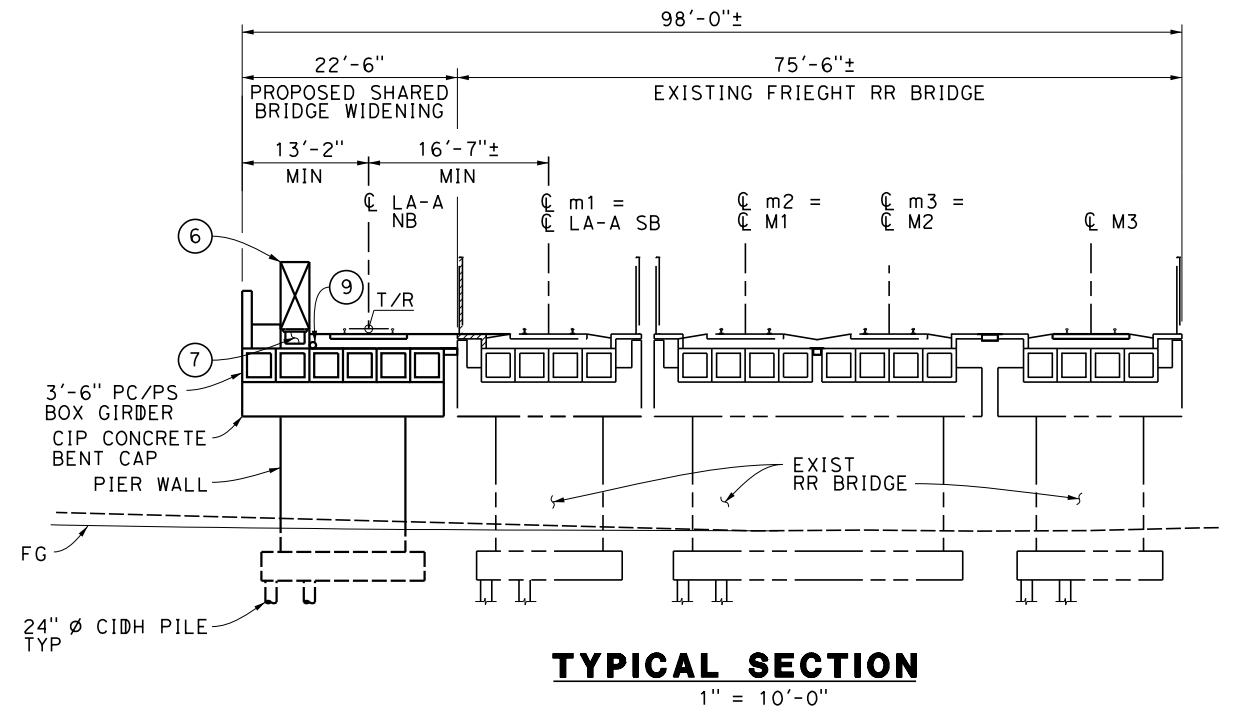
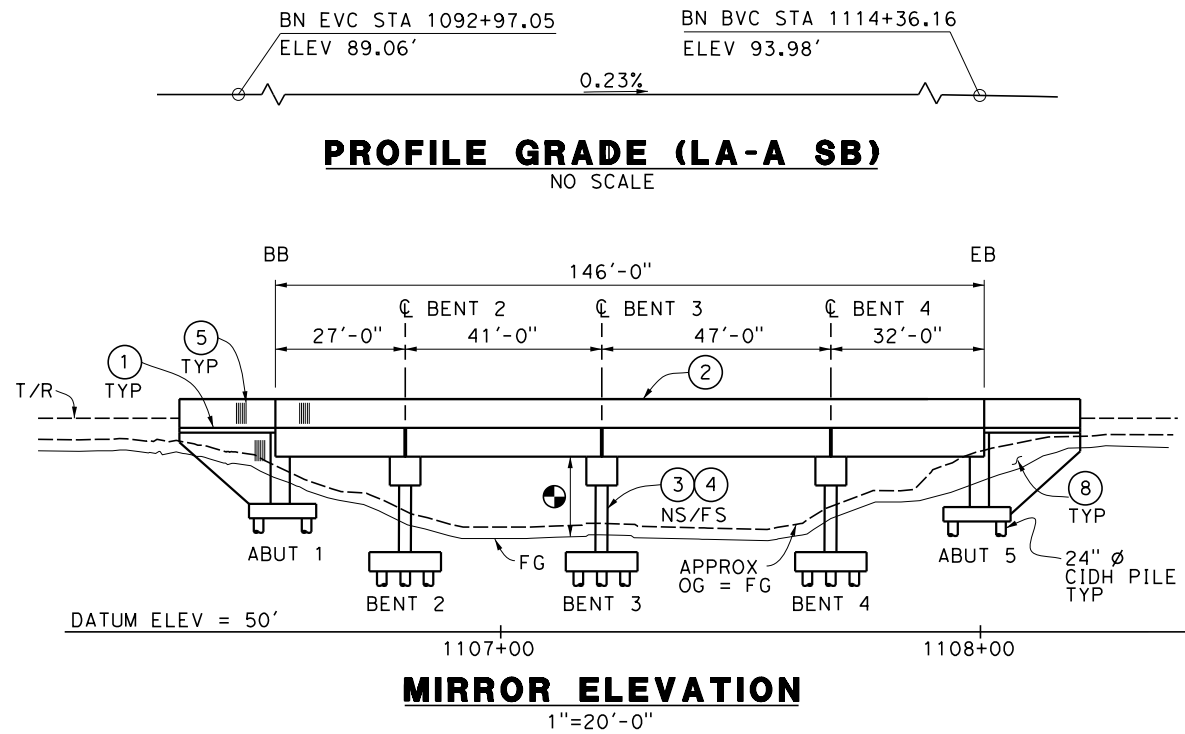
10 0 10 20

1"=10' VERT

SCALE APPLICABLE FOR FULL SIZE ONLY

2/6/2025 A. Chiang J. Swanson						DESIGNED BY A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY	stv	 CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - DALE ST CROSS SECTION - SHEET 1 OF 1	CONTRACT NO. HSR06-0005
						DRAWN BY A. CHIANG					DRAWING NO. CV-T3271
						CHECKED BY A. BOSCH					SCALE AS SHOWN
						IN CHARGE J. SWANSON					SHEET NO.
						DATE 02/28/25					
REV	DATE	BY	CHK	APP	DESCRIPTION						

2/6/2025 3:04:18 AM I:\Projects\4017456\0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K1271.dgn



- NOTES:**
- 1 STRUCTURE APPROACH SLAB
 - 2 PARAPET
 - 3 PAINT "BR. NO. XX-XXX"
 - 4 PAINT "DALE STREET UNDERPASS"
 - 5 ARCHITECTURAL TREATMENT (TO BE DETERMINED)
 - 6 WALKWAY (3'-0" WIDE)
 - 7 NEW UTILITY DUCT
 - 8 WINGWALL
 - 9 DRAINAGE PIPE

- LEGEND:**
- INDICATES LIMITS OF REMOVAL
 - INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (15'-6"±)
 - INDICATES EXIST POINT OF MINIMUM VERTICAL CLEARANCE (15'-6" MIN)
 - INDICATES DIRECTION OF TRAFFIC
 - INDICATES EXISTING BRIDGE

- EXISTING UTILITIES:**
- A EXIST GAS LINE (SCG), CITY OF BUENA PARK (RELOCATE)
 - B EXIST 12" DIP WATER LINE, CITY OF BUENA PARK (RELOCATE)
 - C EXIST 30" RCP STORM DRAIN, CITY OF BUENA PARK (RELOCATE)
 - D EXIST ELECTRIC LINE (SCE), CITY OF BUENA PARK (RELOCATE)
 - E EXIST EARTH CHANNEL (OCFCD), CITY OF BUENA PARK (RELOCATE)
 - F EXIST 18" SEWER LINE, CITY OF BUENA PARK (RELOCATE)
 - G EXIST TELECOMMUNICATIONS LINE (TIME WARNER), CITY OF BUENA PARK (PROTECT IN PLACE)

- GENERAL NOTES:**
1. HST BRIDGE HAS AN OUTWARD 2% SLOPE FROM CL BRIDGE.
 2. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
 3. ELECTIFIED TRACKS ON NORTH SIDE.
 4. ALL TRACKS HAVE SAME ELEVATION.

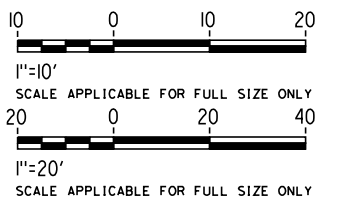
FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
148 KIPS @ SERVICE

BENT: ASSUME 24" Ø CIDH, L = 80'
500 KIPS @ NOMINAL

TRAFFIC (PER DAY):

ADT₂₀₁₂: 16000
ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

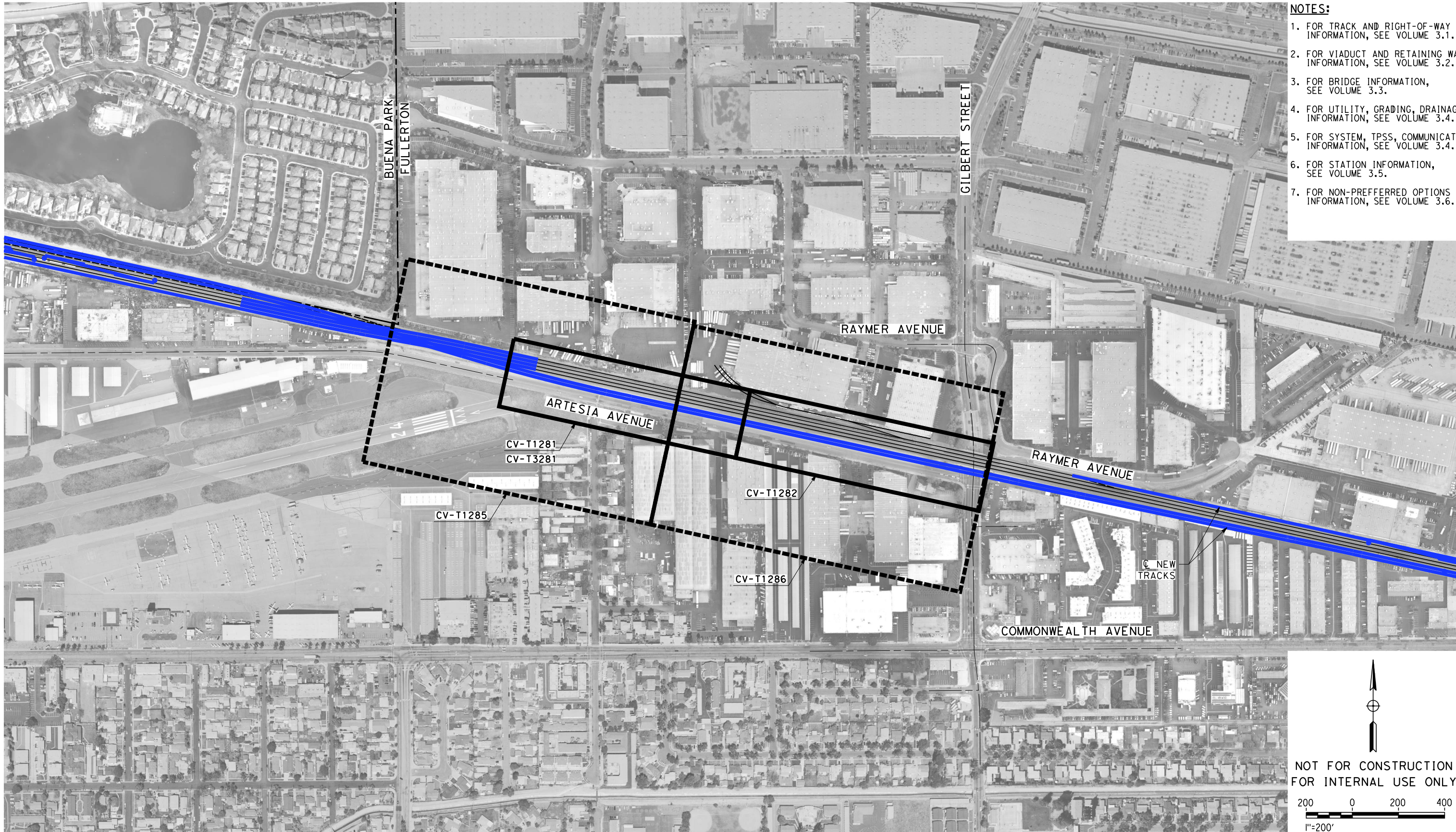
stv



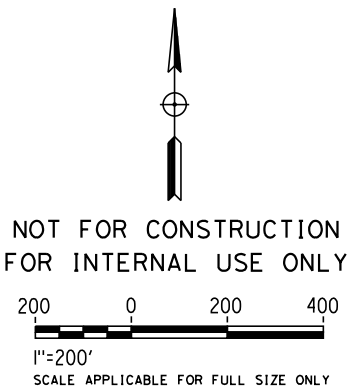
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - DALE STREET
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1271
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25

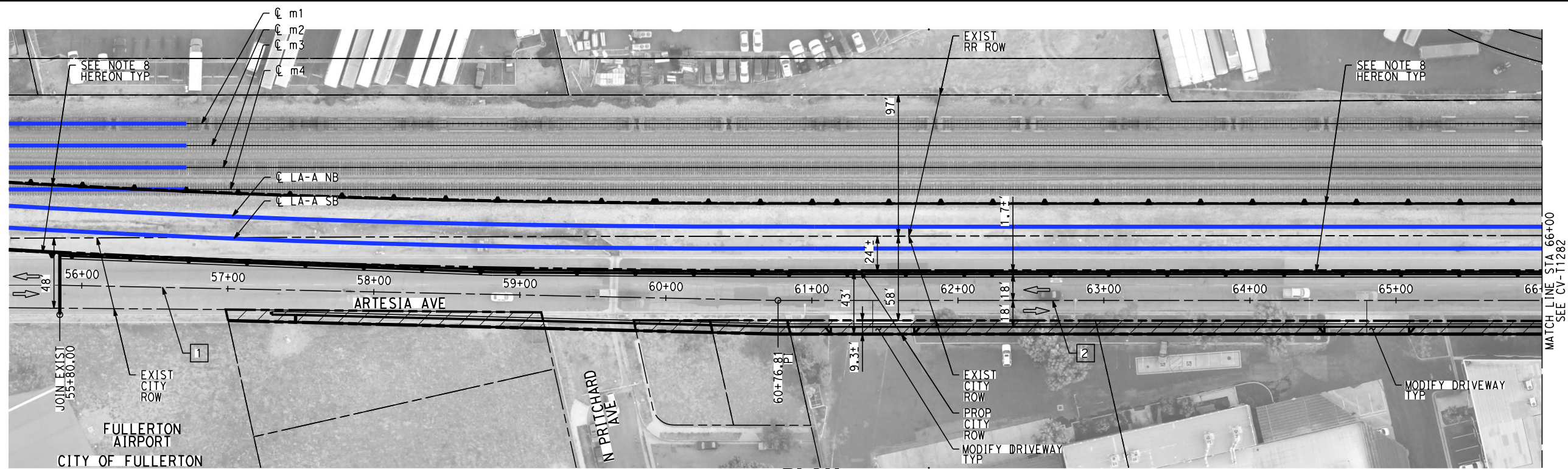
PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



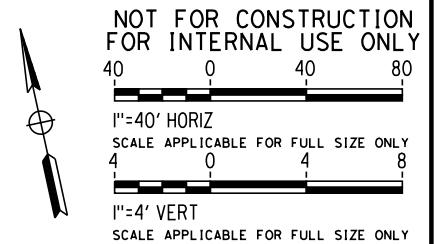
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0281
SCALE
1" = 200'
SHEET NO.

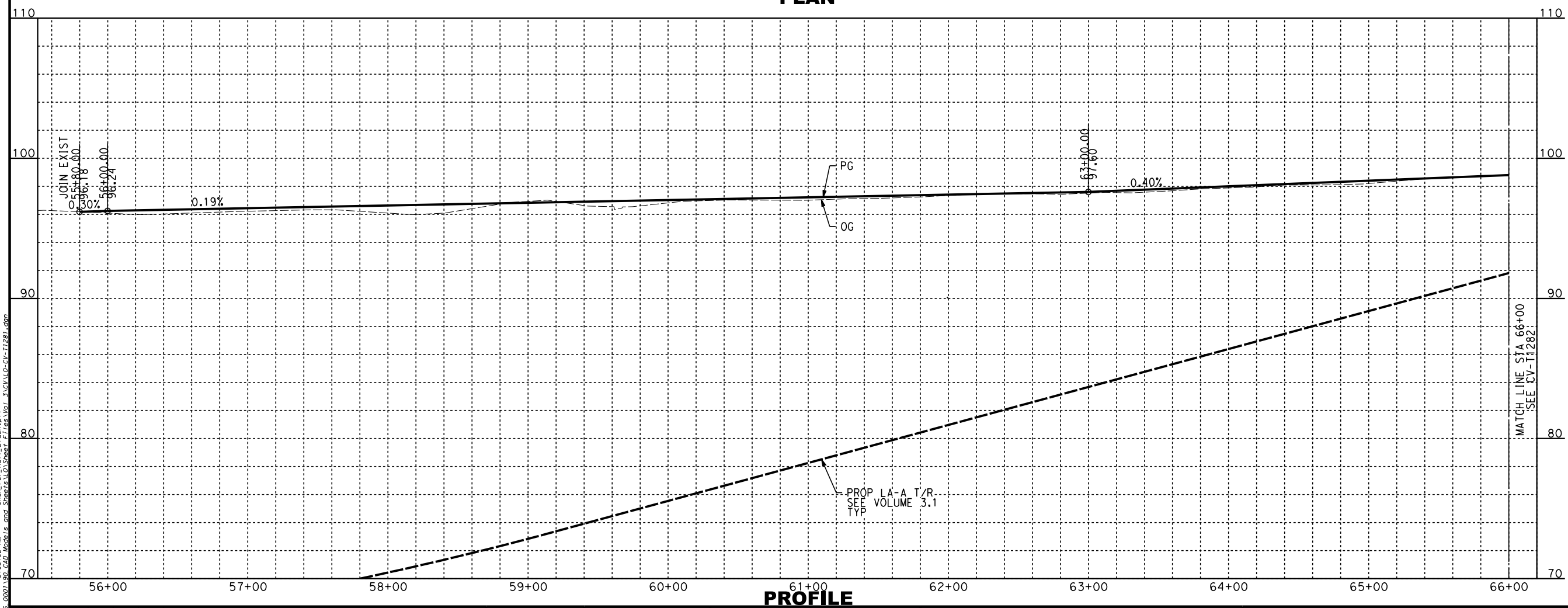


NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.



NO	BEARING	DISTANCE
1	S76°30'21"E	491.86'
2	S77°43'25"E	962.11'

[illegible]

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
PLAN AND PROFILE - SHEET 1 OF 2

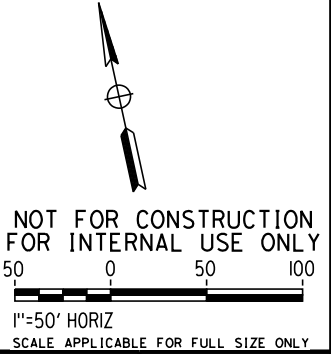
CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T1281

SCALE
AS SHOWN

SHEET NO.

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.



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I:\Projects\4017256\001\90_CAD_Models_and_Sheets\01_Sheet_Files\Vol_3\CV-T1285.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



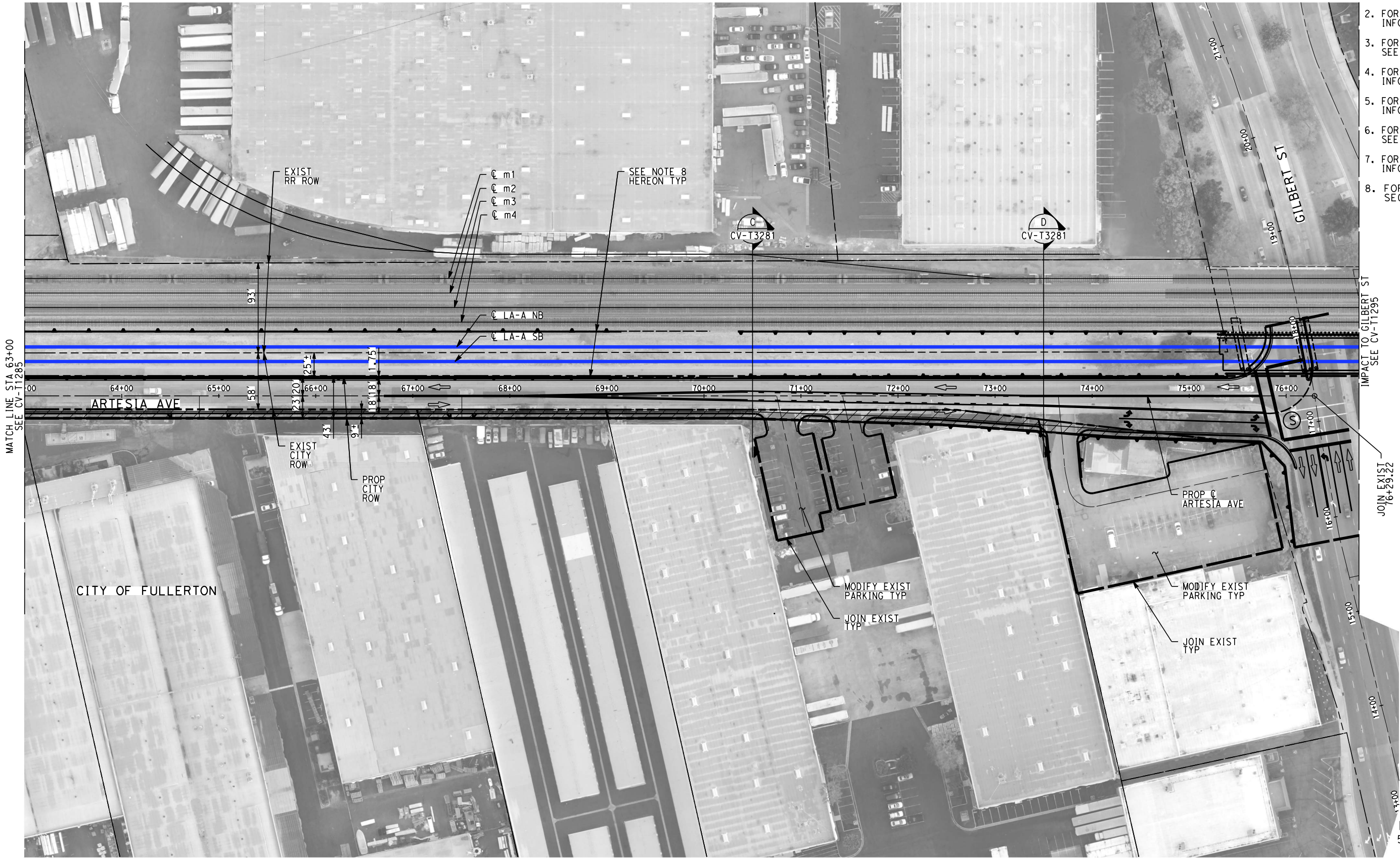
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1285
SCALE AS SHOWN
SHEET NO.

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

2/6/2025 3:06:06 AM CHSR_PDF_half_black.plt C:\Users\jswanson\AppData\Local\Temp\1\1017456.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1286
SCALE
AS SHOWN
SHEET NO.

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Chiang

REV

DATE

BY

CHK

APP

DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv



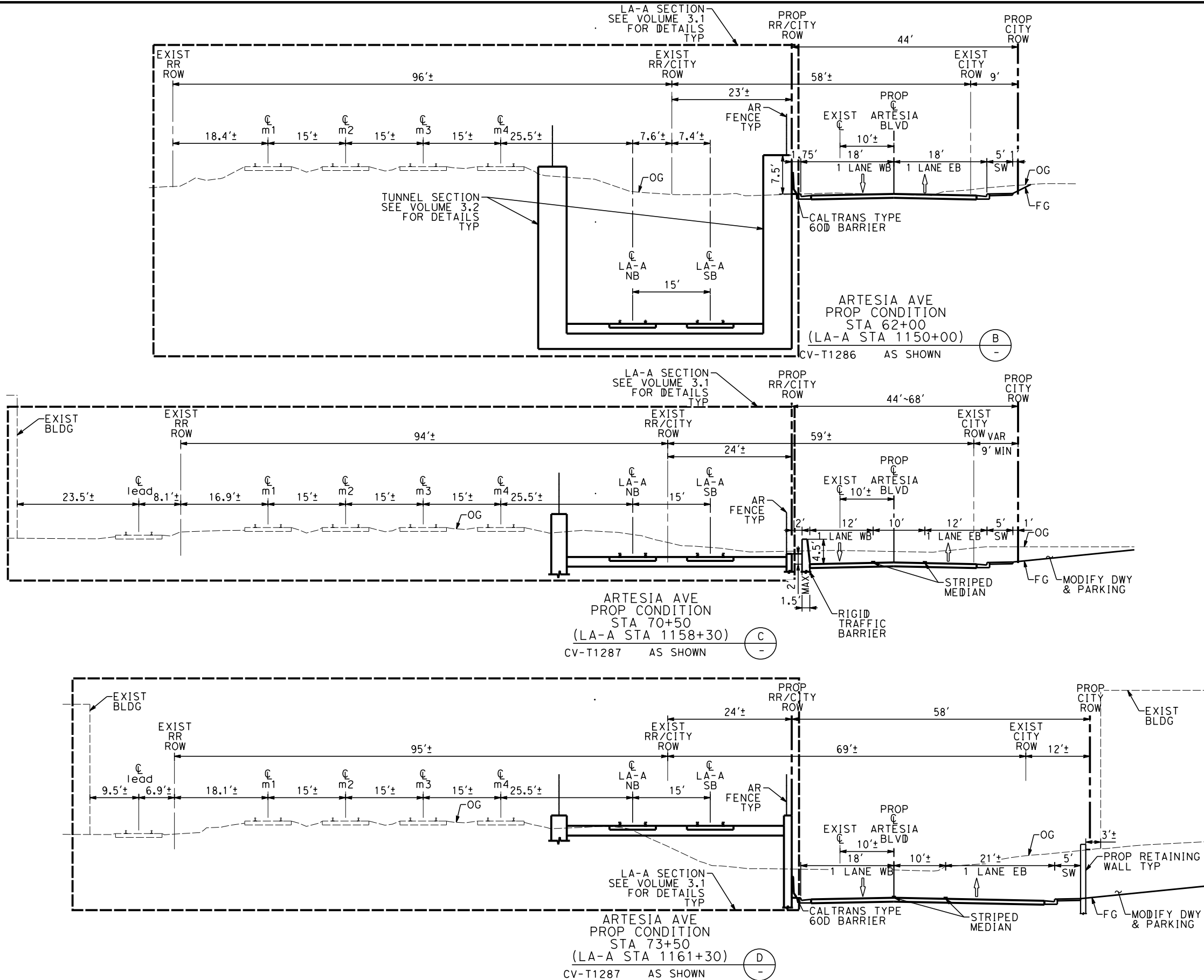
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
CROSS SECTION - SHEET 1 OF 1

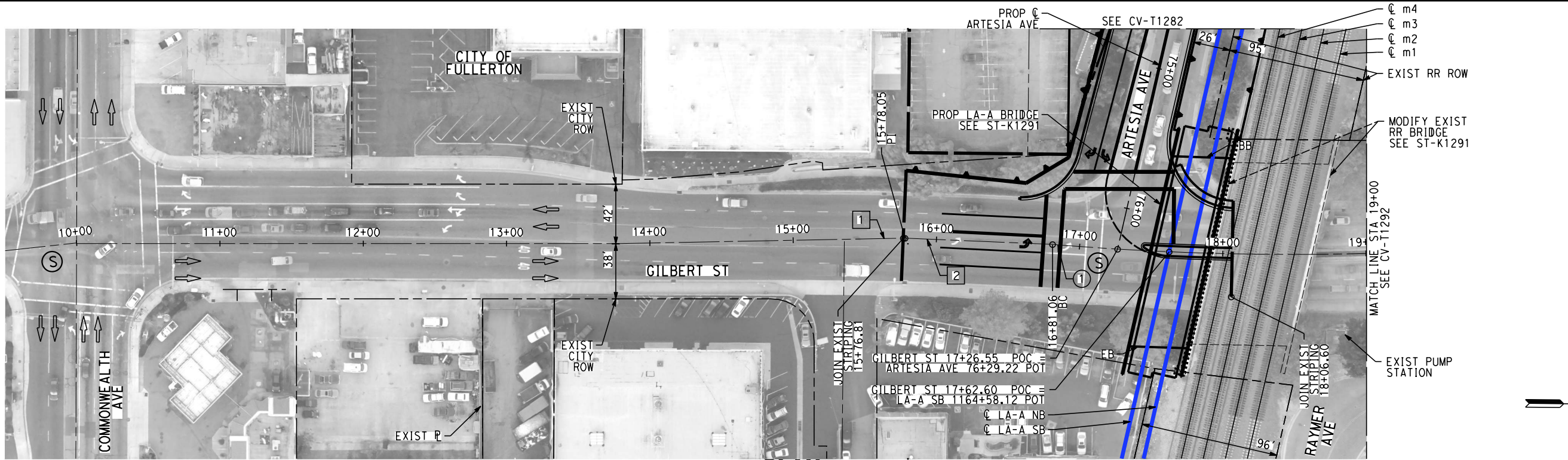
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3281
SCALE
AS SHOWN
SHEET NO.

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.

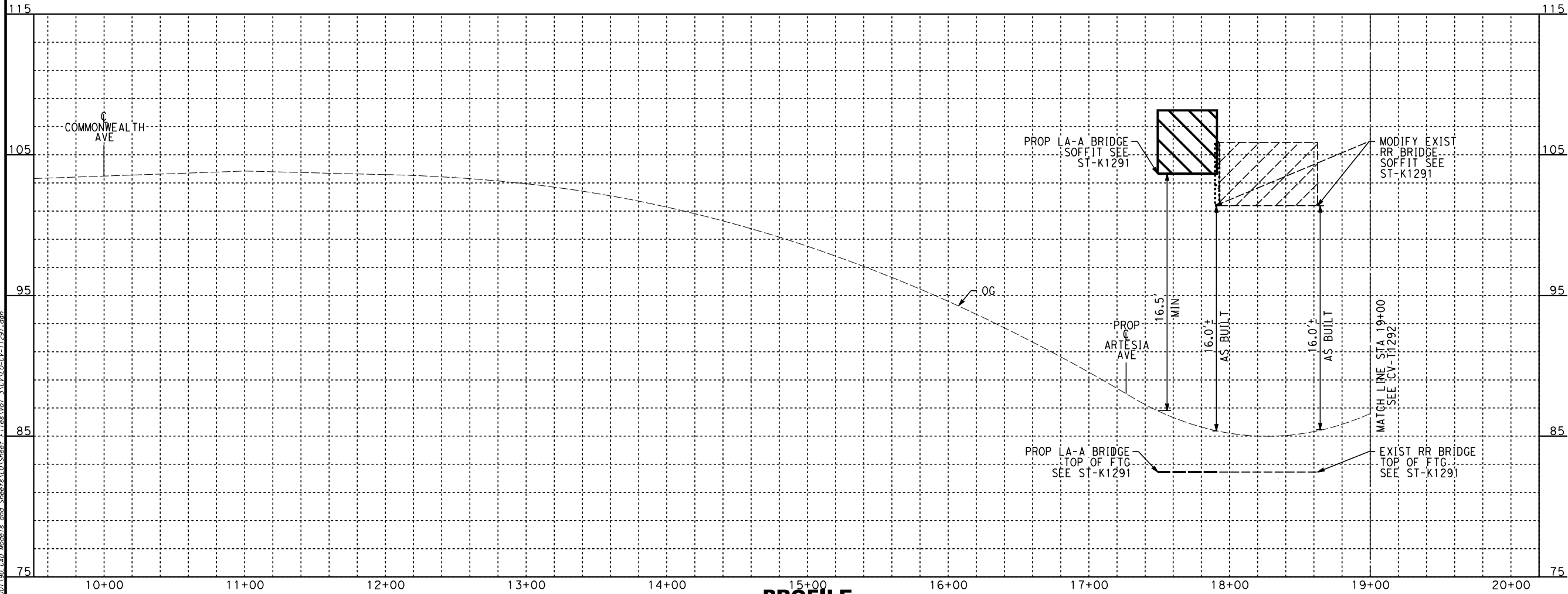
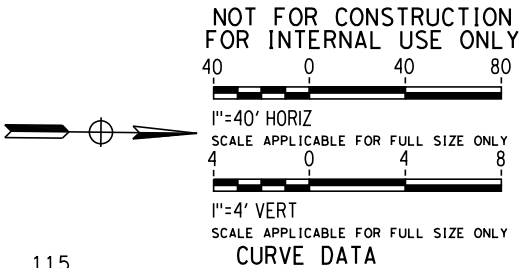


NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY
10 0 10 20
1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY
10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY



PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PROFILE

LINE DATA

NO	BEARING	DISTANCE
1	N01°45'18"W	198.95'
2	N01°47'26"E	103.00'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

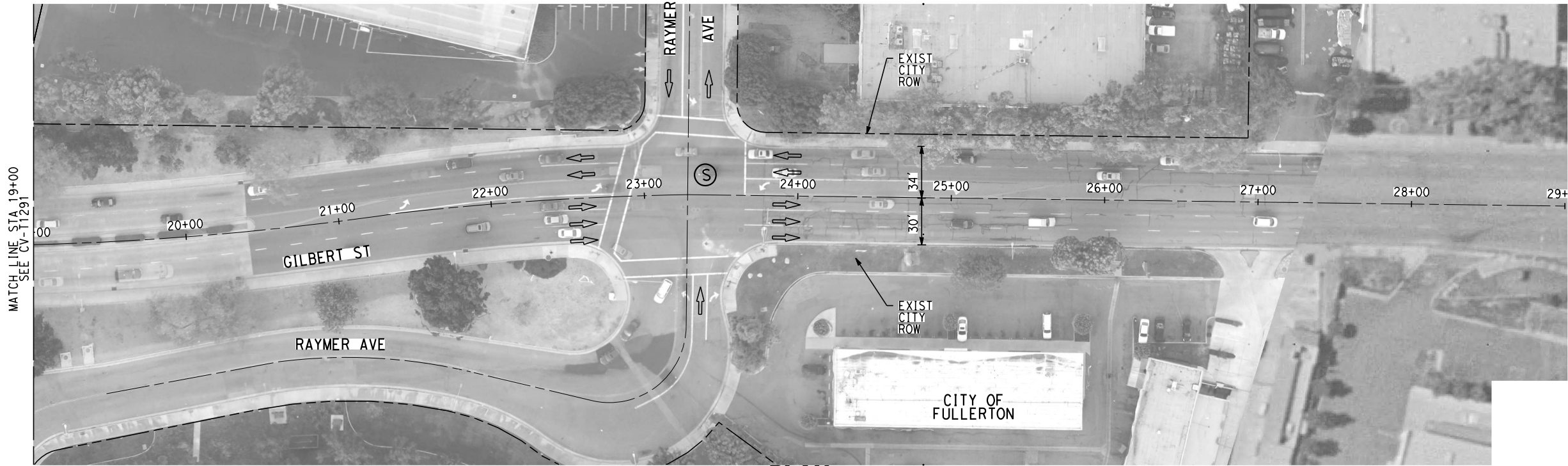
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1291
SCALE AS SHOWN
SHEET NO.

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PLAN

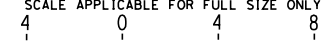
- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



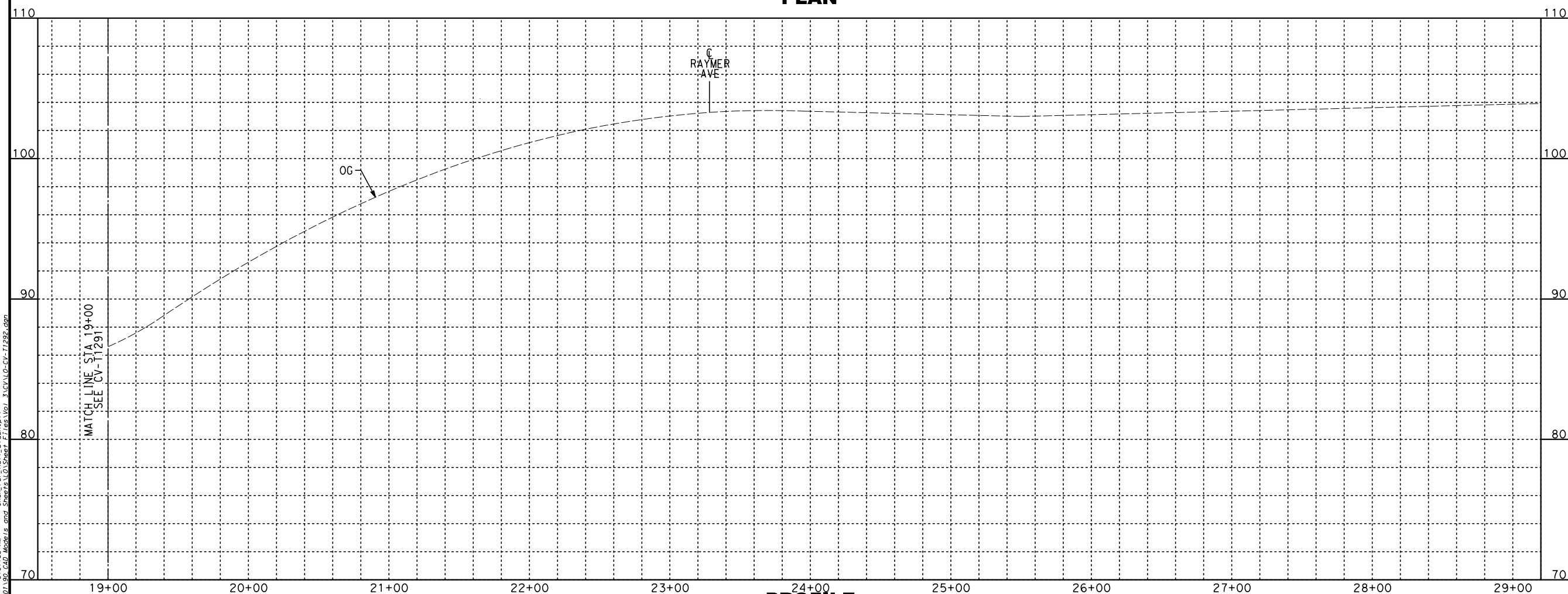
NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY



1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

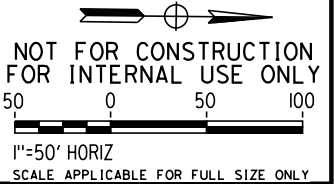


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1292
SCALE
AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1295
SCALE
AS SHOWN
SHEET NO.

2/6/2025 3:08:09 AM C:\SR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

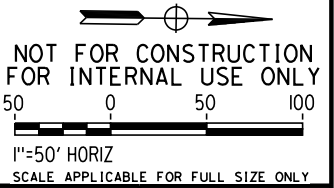
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1296
SCALE AS SHOWN
SHEET NO.

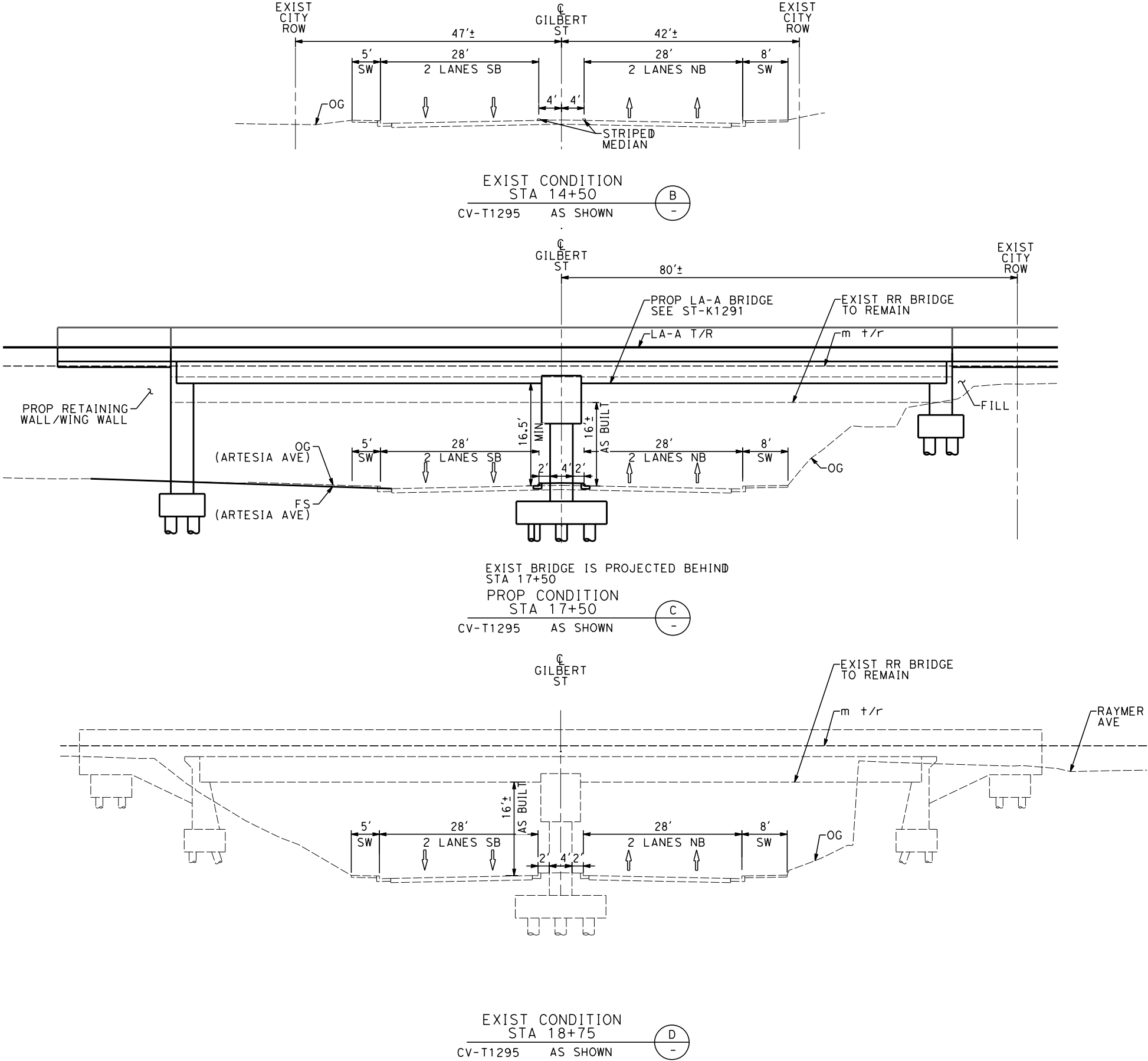
MATCH LINE STA 19+00
SEE CV-T1295



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

2/6/2025 3:08:13 AM C:\HSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



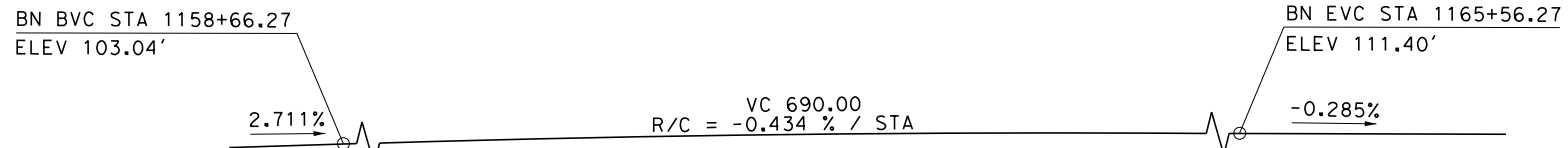
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

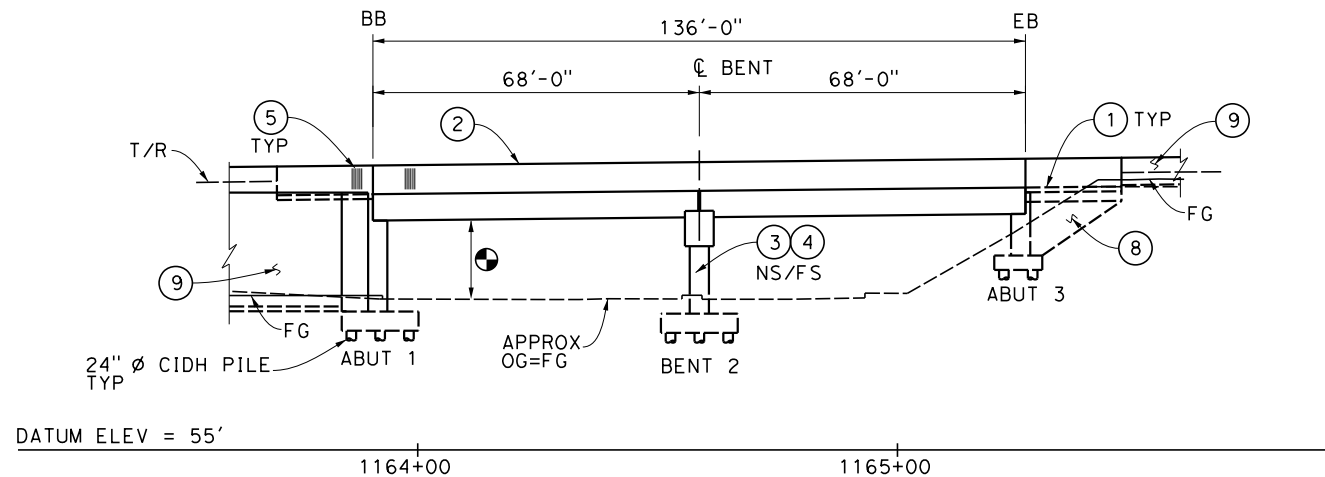
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3291
SCALE AS SHOWN
SHEET NO.

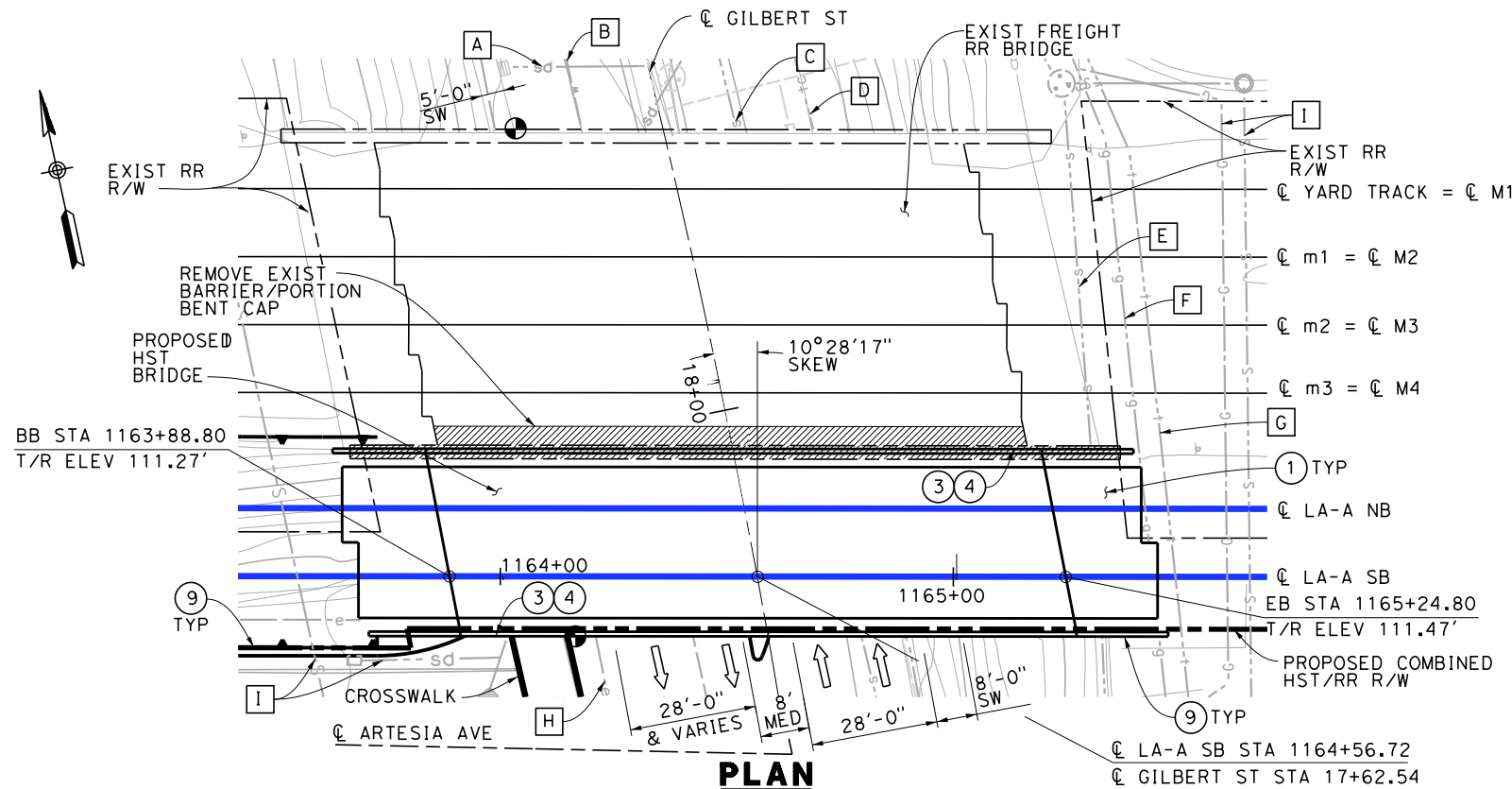
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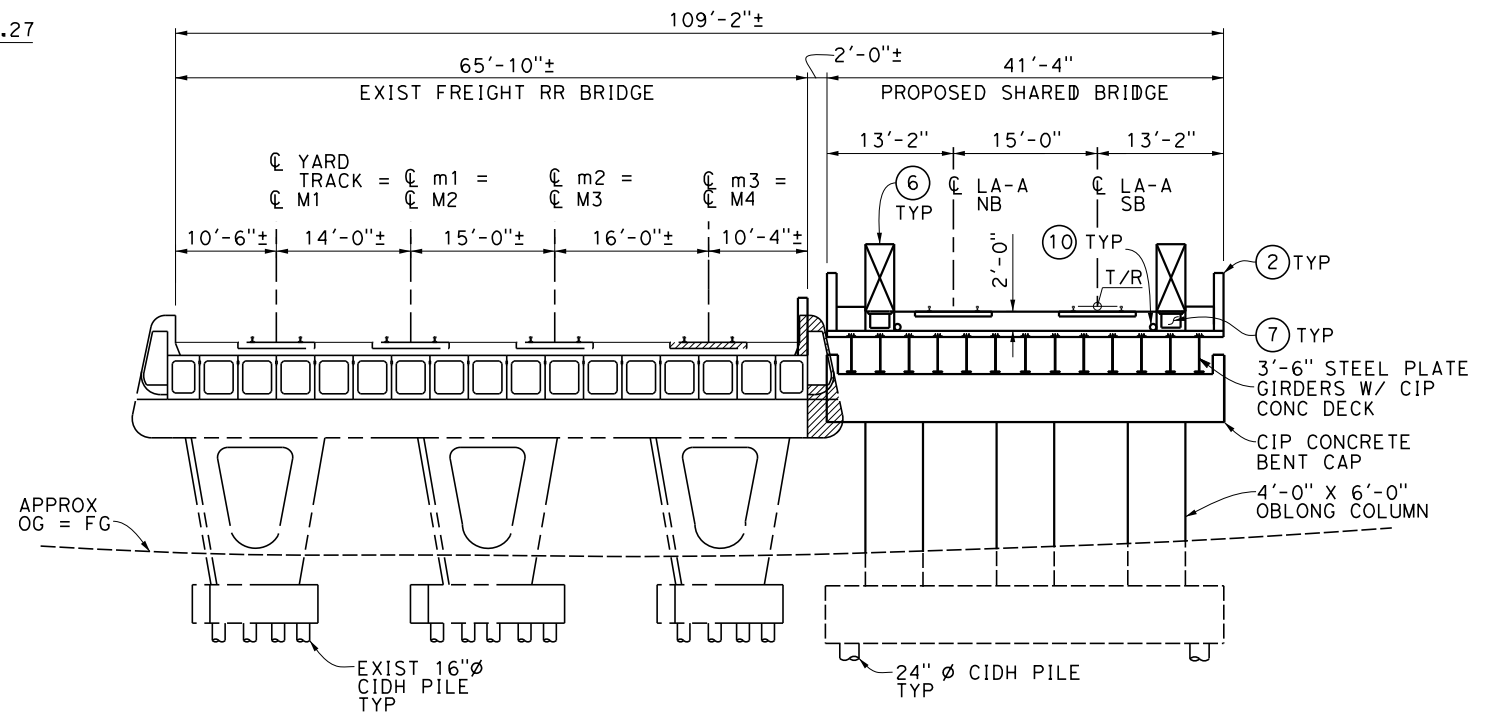
TOP OF RAIL PROFILE (LA-A SB)
NO SCALE



ELEVATION
1"= 20'-0"



PLAN
1"=20'-0"



TYPICAL SECTION
1" = 10'-0"

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH PILE, L = 60'
180 KIPS @ SERVICE

BENT: ASSUME 24" Ø CIDH PILE, L = 80'
500 KIPS @ NOMINAL

NOTES:

- 1 STRUCTURE APPROACH SLAB
- 2 PARAPET
- 3 PAINT "BR. NO. XX-XXX"
- 4 PAINT "GILBERT STREET UNDERPASS"
- 5 ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- 6 WALKWAY (3'-0" WIDE)
- 7 NEW UTILITY DUCT
- 8 WINGWALL
- 9 RETAINING WALL (SEE CIVIL PLANS)
- 10 DRAINAGE PIPE

EXISTING UTILITIES:

- A EXIST 2'-18" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
- B EXIST 12" DI WATER, CITY OF FULLERTON (PROTECT IN PLACE)
- C EXIST 8" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
- D EXIST COMMUNICATION FO (TIME WARNER), CITY OF FULLERTON (PROTECT IN PLACE)
- E EXIST 21" VCP SEWER, CITY OF FULLERTON (RELOCATE)
- F EXIST GAS LINE, CITY OF FULLERTON (PROTECT IN PLACE)
- G EXIST OH TELEPHONE LINE (AT&T), CITY OF FULLERTON (PROTECT IN PLACE)
- H EXIST ELECTRICAL LINE, CITY OF FULLERTON (PROTECT IN PLACE)
- I PROPOSED SEWER AND GAS, CITY OF FULLERTON

GENERAL NOTES:

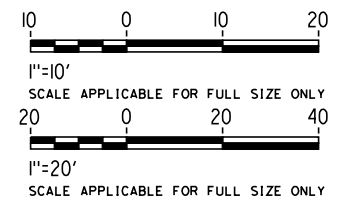
1. ALL PROPOSED BRIDGES HAVE AN OUTWARD 2% SLOPE FROM CL OF BRIDGE.
2. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.

LEGEND:

- ⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6" MIN)
- ⊙ INDICATES EXIST POINT OF MINIMUM VERTICAL CLEARANCE (16'-0"±)
- INDICATES DIRECTION OF TRAFFIC
- INDICATES EXISTING
- ▨ INDICATES LIMITS OF EXIST BRIDGE REMOVAL
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

TRAFFIC (PER DAY):

ADT₂₀₁₂: 3700
ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

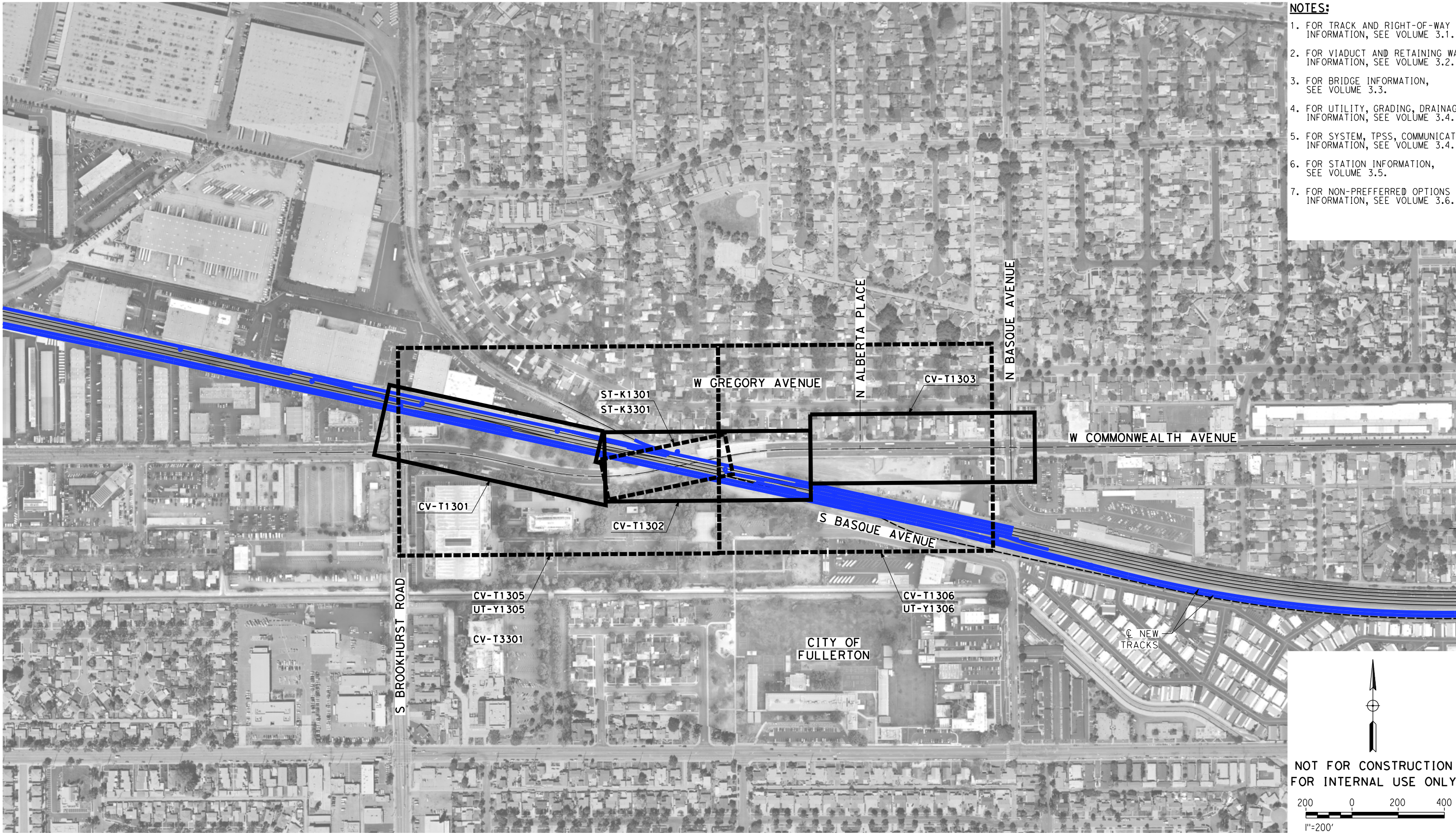
NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - GILBERT STREET
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1291
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

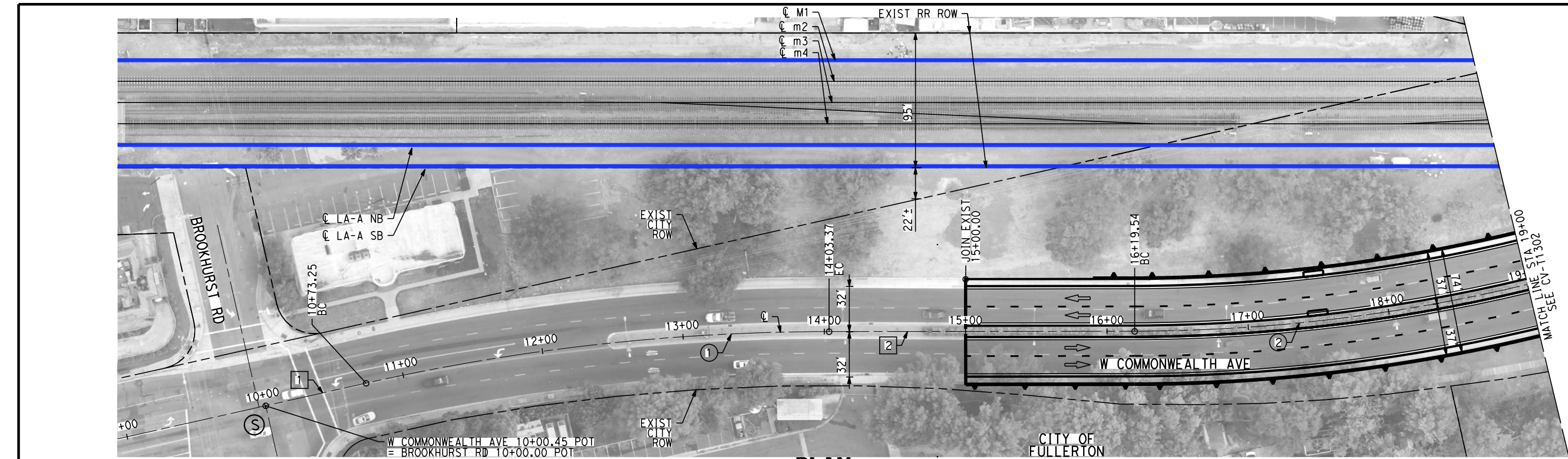
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FOR INTERNAL USE ONLY

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SCALE APPLICABLE FOR FULL SIZE ONLY

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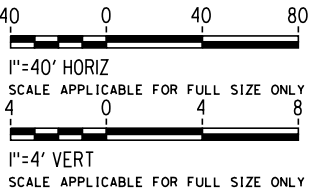


PLAN

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

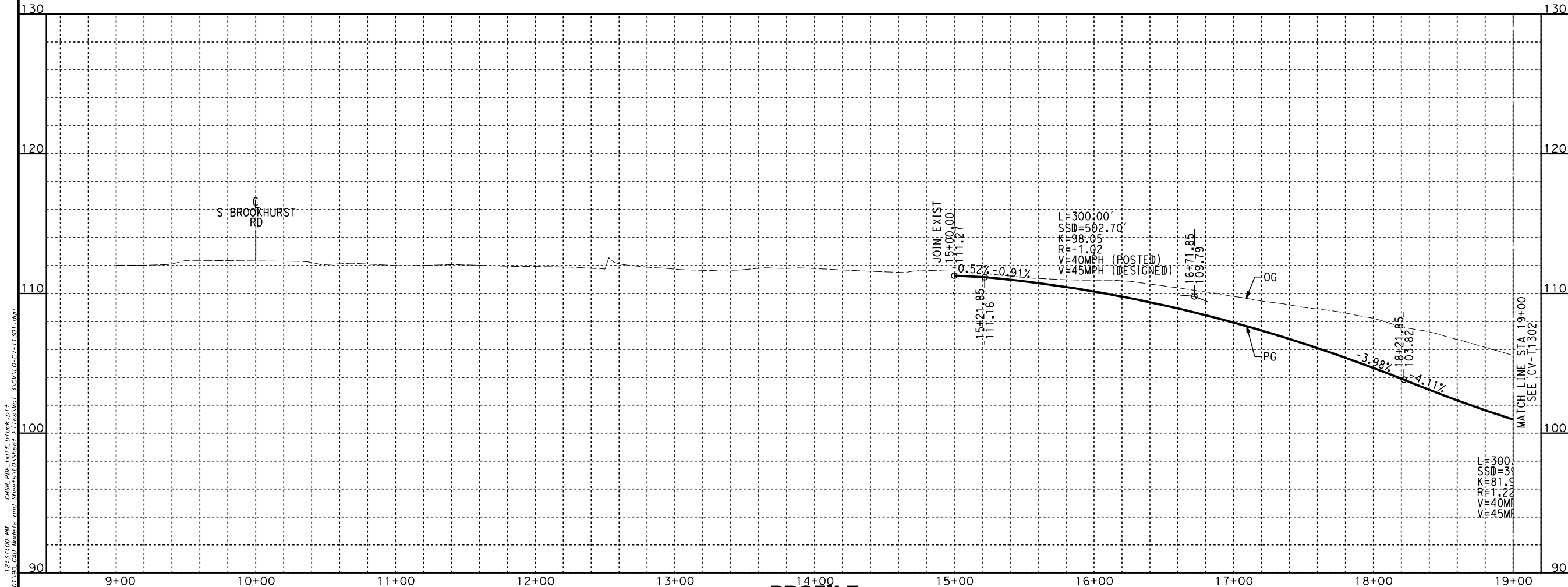


CURVE DATA

NO	R	Δ	T	L
①	1500.00'	12°36'35"	165.73'	330.13'
②	1200.00'	23°42'04"	251.80'	496.39'

LINE DATA

NO	BEARING	DISTANCE
1	N89°36'18"E	621.83'
2	S77°47'07"E	216.17'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



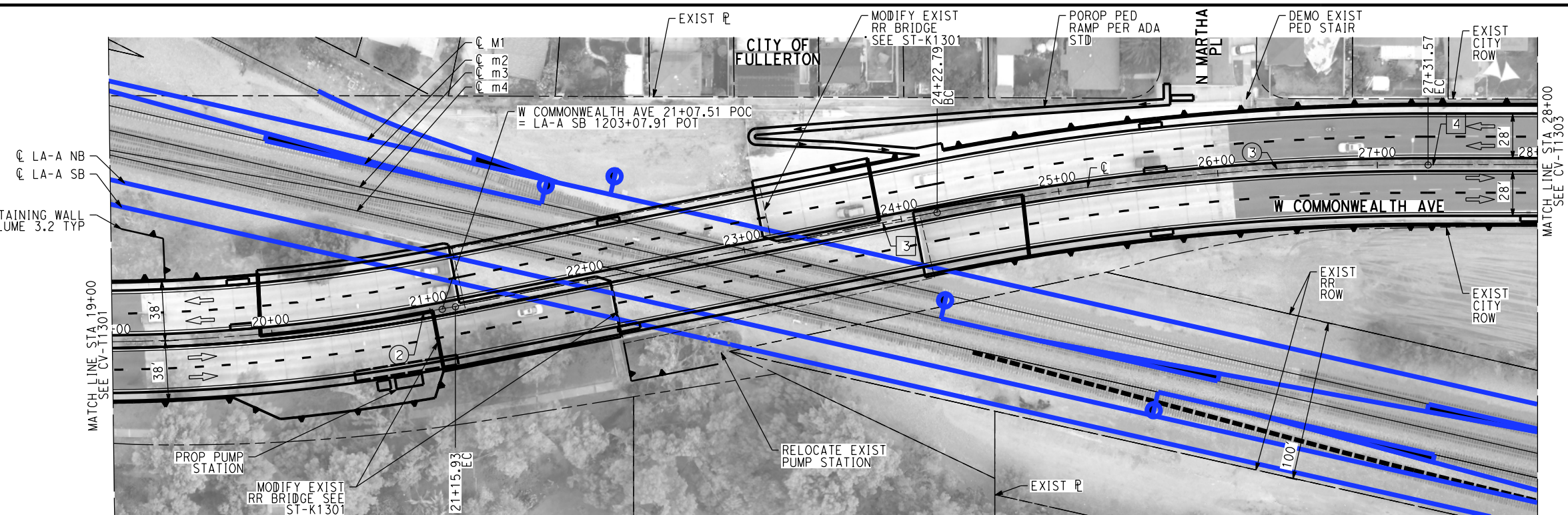
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET

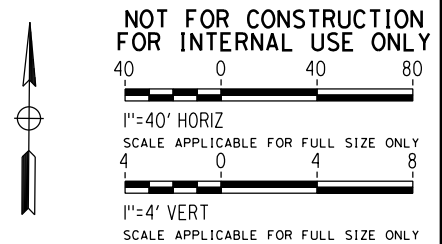
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W COMMONWEALTH AVE
PLAN AND PROFILE - SHEET 1 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1301
SCALE AS SHOWN
SHEET NO.



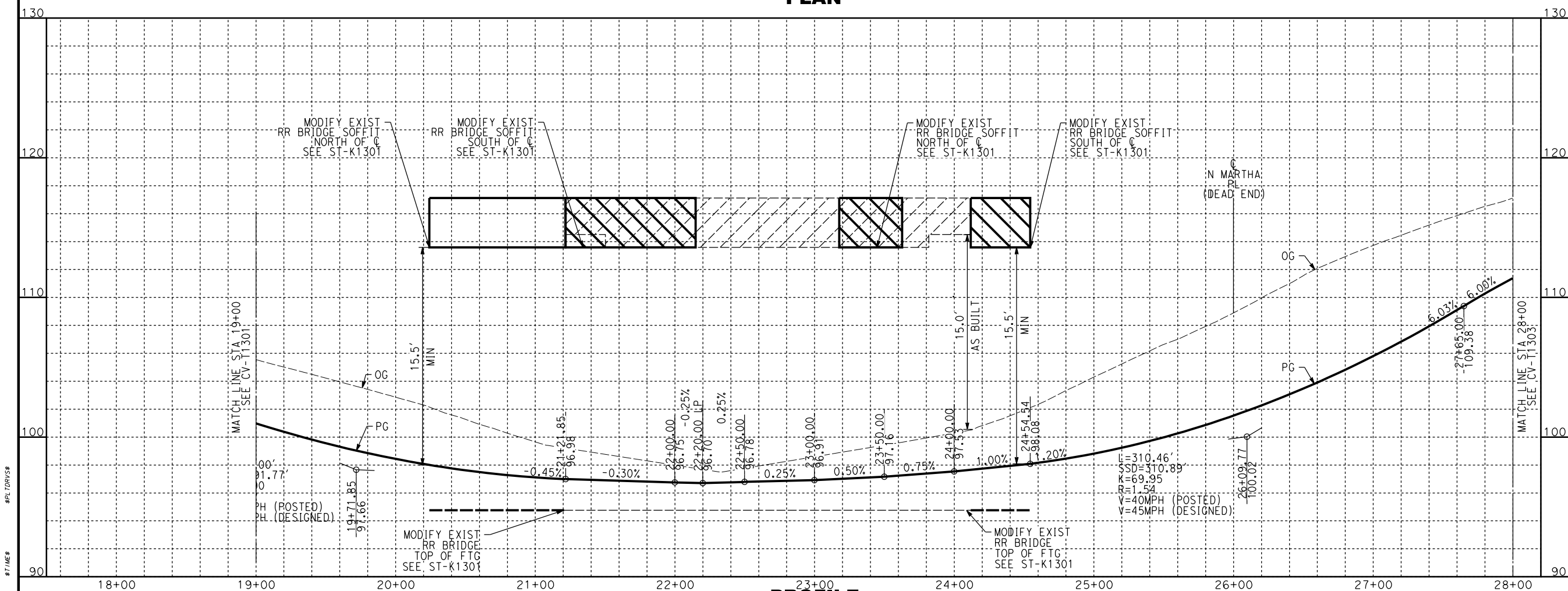
PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CURVE DATA				
NO	R	Δ	T	L
②	1200.00'	23°42'04"	251.80'	496.39'
③	1600.00'	-11°03'27"	154.87'	308.78'

LINE DATA		
NO	BEARING	DISTANCE
3	N78°28'14"E	306.86'
4	N89°31'41"E	362.08'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



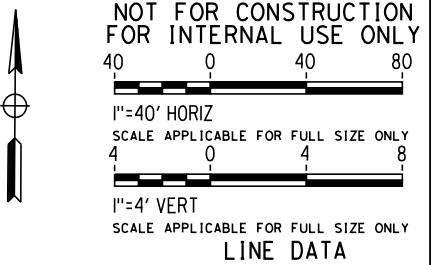
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

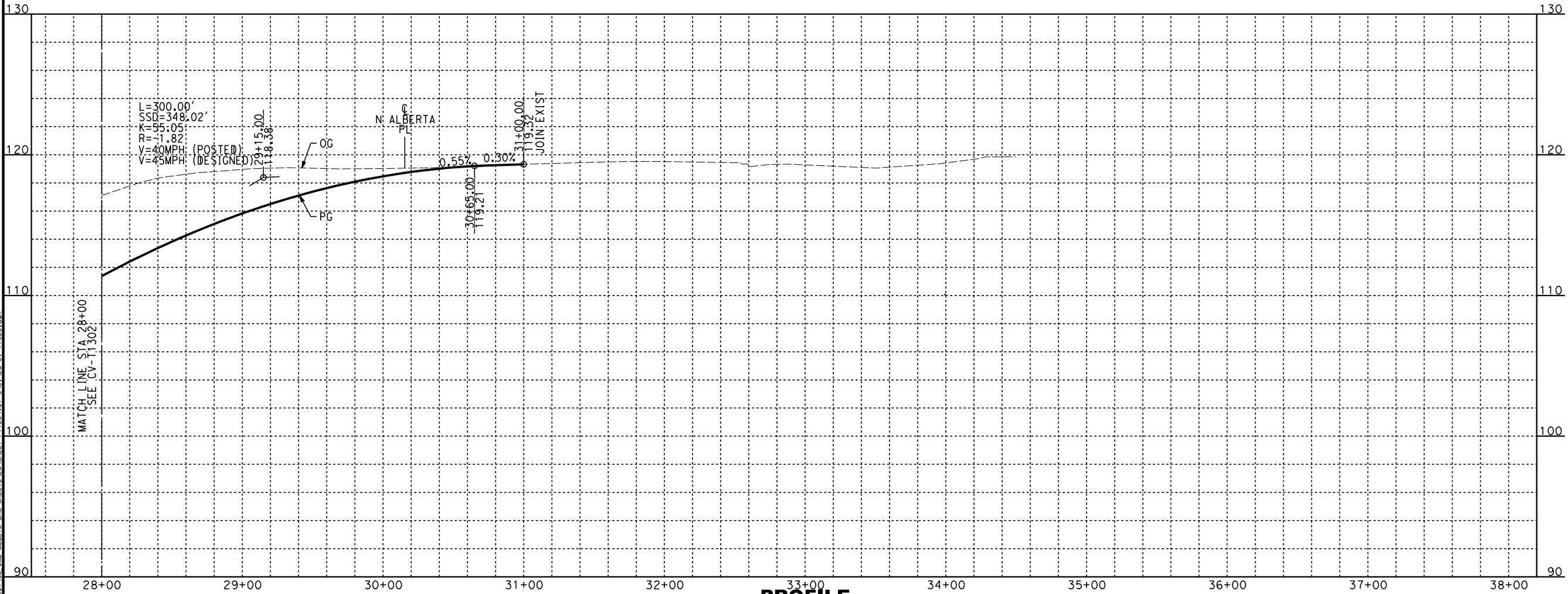
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W COMMONWEALTH AVE
PLAN AND PROFILE - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1302
SCALE
AS SHOWN
SHEET NO.

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PLAN



PROFILE

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A. CHIANG

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
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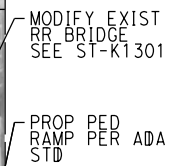
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W COMMONWEALTH AVE
PLAN AND PROFILE - SHEET 3 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1303
SCALE AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



MATCH LINE STA 24+00
SEE CV-T1306



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

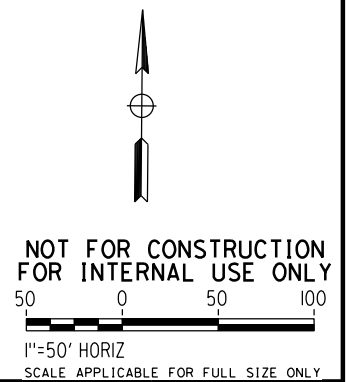
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PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W COMMONWEALTH AVE
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T1305

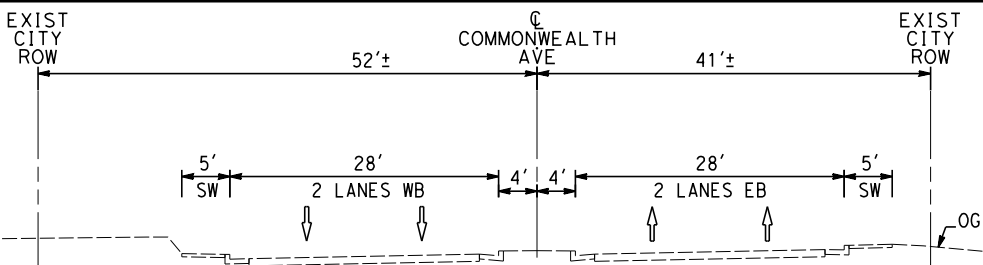
CV-11303
SCALE
AS SHOWN

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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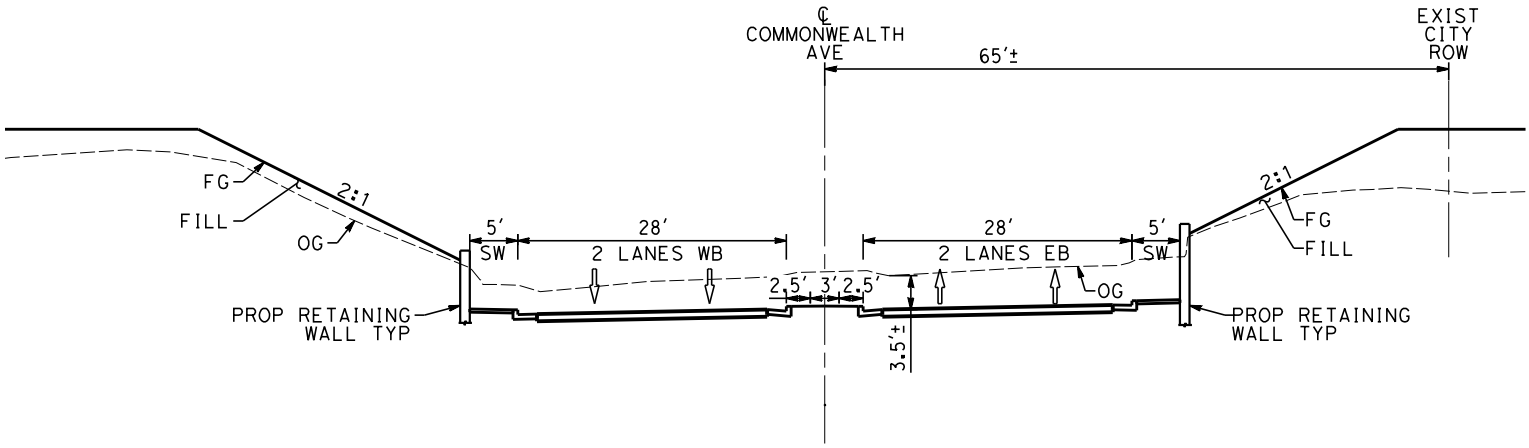


\$DWT\$ \$FILES\$							DESIGNED BY A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CONTRACT NO. HSR06-0005 DRAWING NO. CV-T1306 SCALE AS SHOWN SHEET NO.
							DRAWN BY A. CHIANG					
							CHECKED BY A. BOSCH					
							IN CHARGE J. SWANSON					
							DATE 02/28/25					
	REV	DATE	BY	CHK	APP	DESCRIPTION						

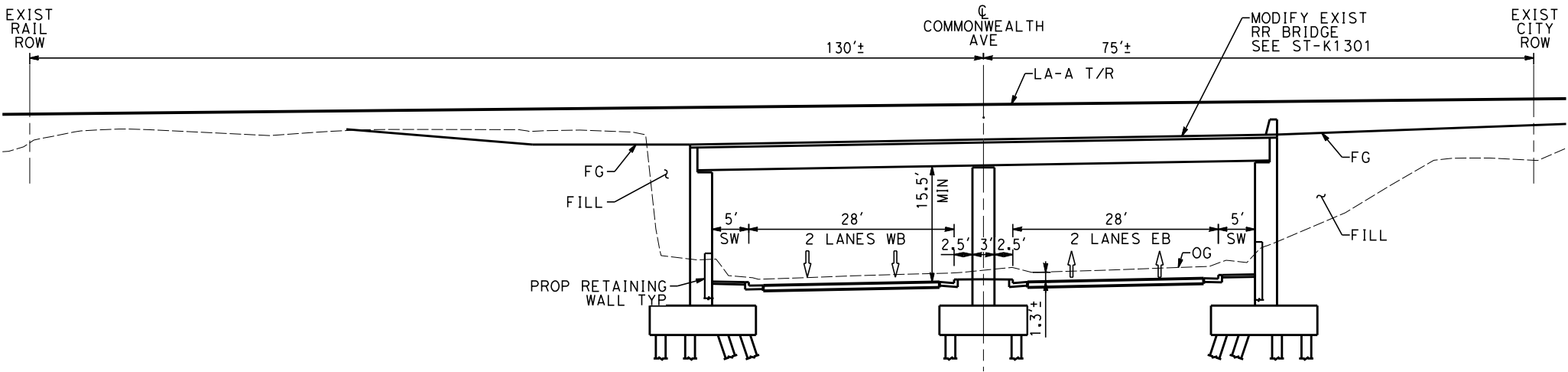
- NOTES:**
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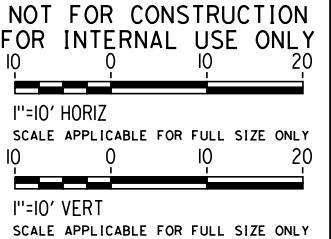
EXIST CONDITION
STA 12+50
CV-T1305 AS SHOWN



PROP CONDITION
STA 19+20
CV-T1305 AS SHOWN



PROP CONDITION
STA 21+00
CV-T1305 AS SHOWN



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
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USE ONLY

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CONSTRUCTION

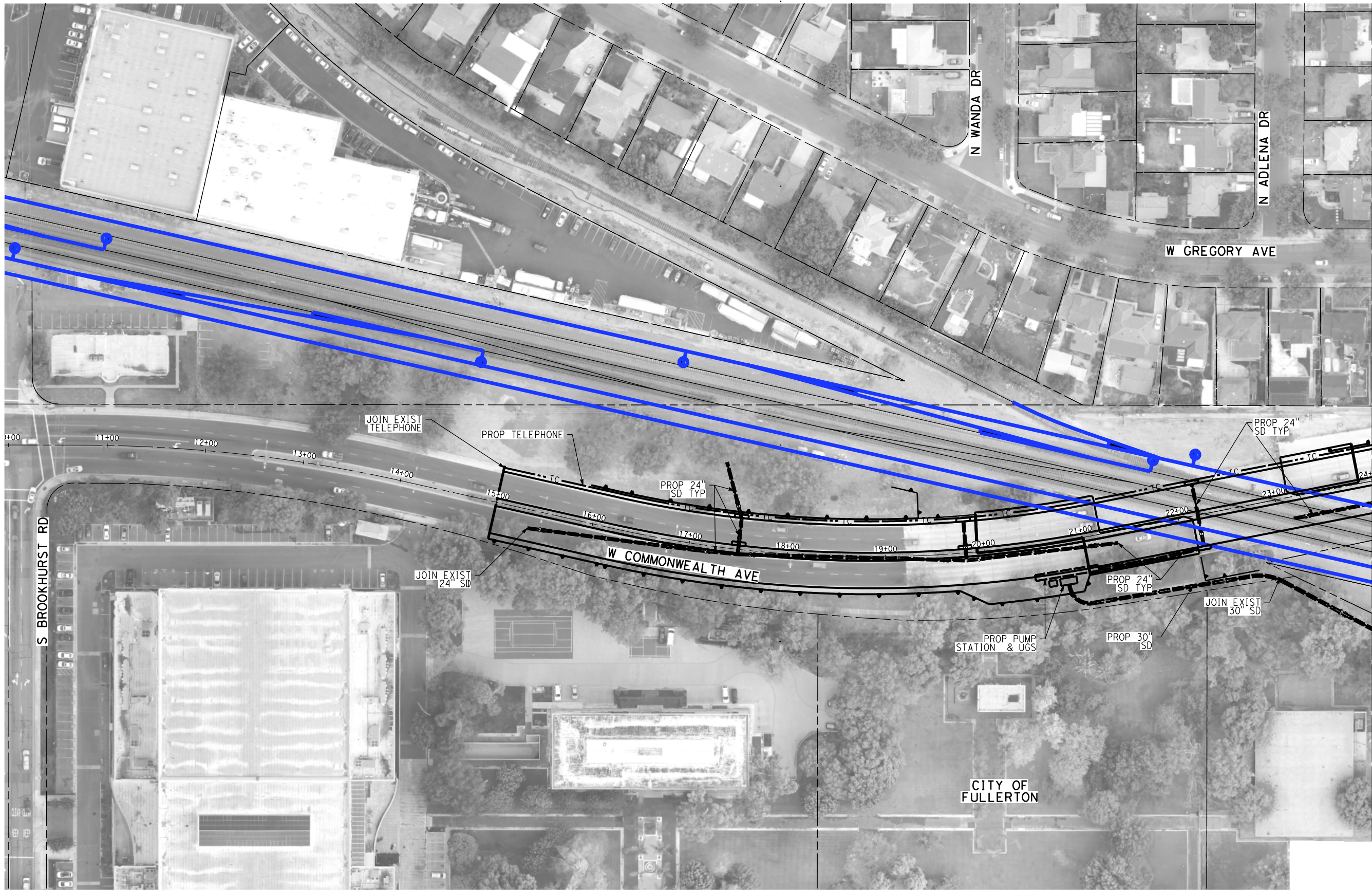


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - COMMONWEALTH AVE
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3301
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

MATCH LINE STA 24+00
SEE UT-Y1306



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

\$PLTDRVS\$
\$TIME\$
\$USER\$
\$FILES\$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

PEPD
SUBMITTAL
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USE ONLY

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CONSTRUCTION



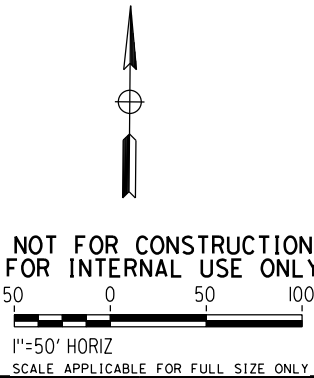
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

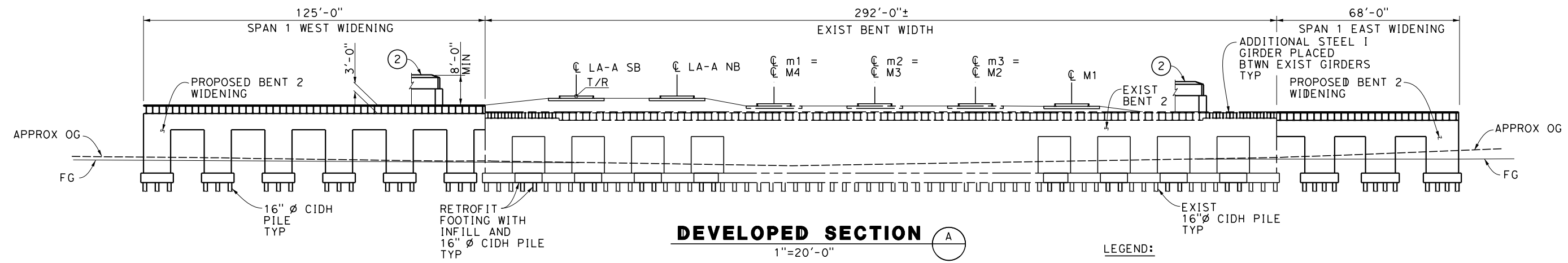
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W COMMONWEALTH AVE
UTILITY PLAN - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1305
SCALE
AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



\$DAYS\$ 							DESIGNED BY A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION		 CALIFORNIA <i>HIGH-SPEED RAIL AUTHORITY</i>	CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W COMMONWEALTH AVE UTILITY PLAN - SHEET 2 OF 2	CONTRACT NO. HSR06-0005
							DRAWN BY A. CHIANG					DRAWING NO. UT-Y1306
							CHECKED BY A. BOSCH					SCALE
							IN CHARGE J. SWANSON					AS SHOWN
							DATE 02/28/25					SHEET NO.
	REV	DATE	BY	CHK	APP	DESCRIPTION						



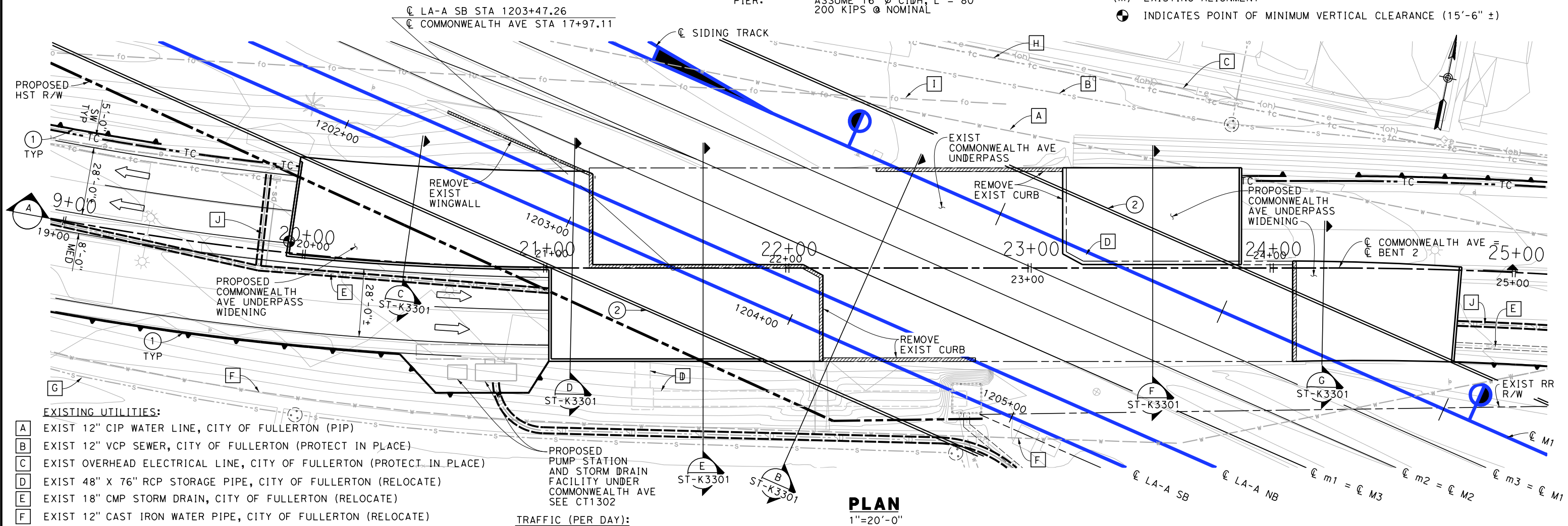
- NOTES:
- ① RETAINING WALL
 - ② PARAPET WITH ACCESS RESTRICTION FENCING

FOUNDATION:

ABUTMENTS: ASSUME STEEL HP PILES, L = 60'
90 KIPS @ SERVICE

PIER: ASSUME 16" Ø CIDH, L = 80'
200 KIPS @ NOMINAL

- LEGEND:
- INDICATES LIMITS OF REMOVAL
 - INDICATES DIRECTION OF TRAFFIC
 - (M) PROPOSED ALIGNMENT
 - (m) EXISTING ALIGNMENT
 - INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (15'-6" ±)



- EXISTING UTILITIES:
- A EXIST 12" CIP WATER LINE, CITY OF FULLERTON (PIP)
 - B EXIST 12" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
 - C EXIST OVERHEAD ELECTRICAL LINE, CITY OF FULLERTON (PROTECT IN PLACE)
 - D EXIST 48" X 76" RCP STORAGE PIPE, CITY OF FULLERTON (RELOCATE)
 - E EXIST 18" CMP STORM DRAIN, CITY OF FULLERTON (RELOCATE)
 - F EXIST 12" CAST IRON WATER PIPE, CITY OF FULLERTON (RELOCATE)
 - G EXIST 8" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
 - H EXIST TELECOMMUNICATIONS LINE, CITY OF FULLERTON (PROTECT IN PLACE)
 - I EXIST ELECTRICAL LINE, CITY OF FULLERTON (PROTECT IN PLACE)
 - J PROPOSED STORM DRAIN RELOCATIONS

TRAFFIC (PER DAY):

ADT₂₀₁₂: 11000
ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

20 0 20 40
1"=20'
SCALE APPLICABLE FOR FULL SIZE ONLY

DESIGNED BY
S. LEE

DRAWN BY
C. HUANG

CHECKED BY
B. OLP

IN CHARGE
J. SWANSON

DATE
08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - COMMONWEALTH AVE
GENERAL PLAN

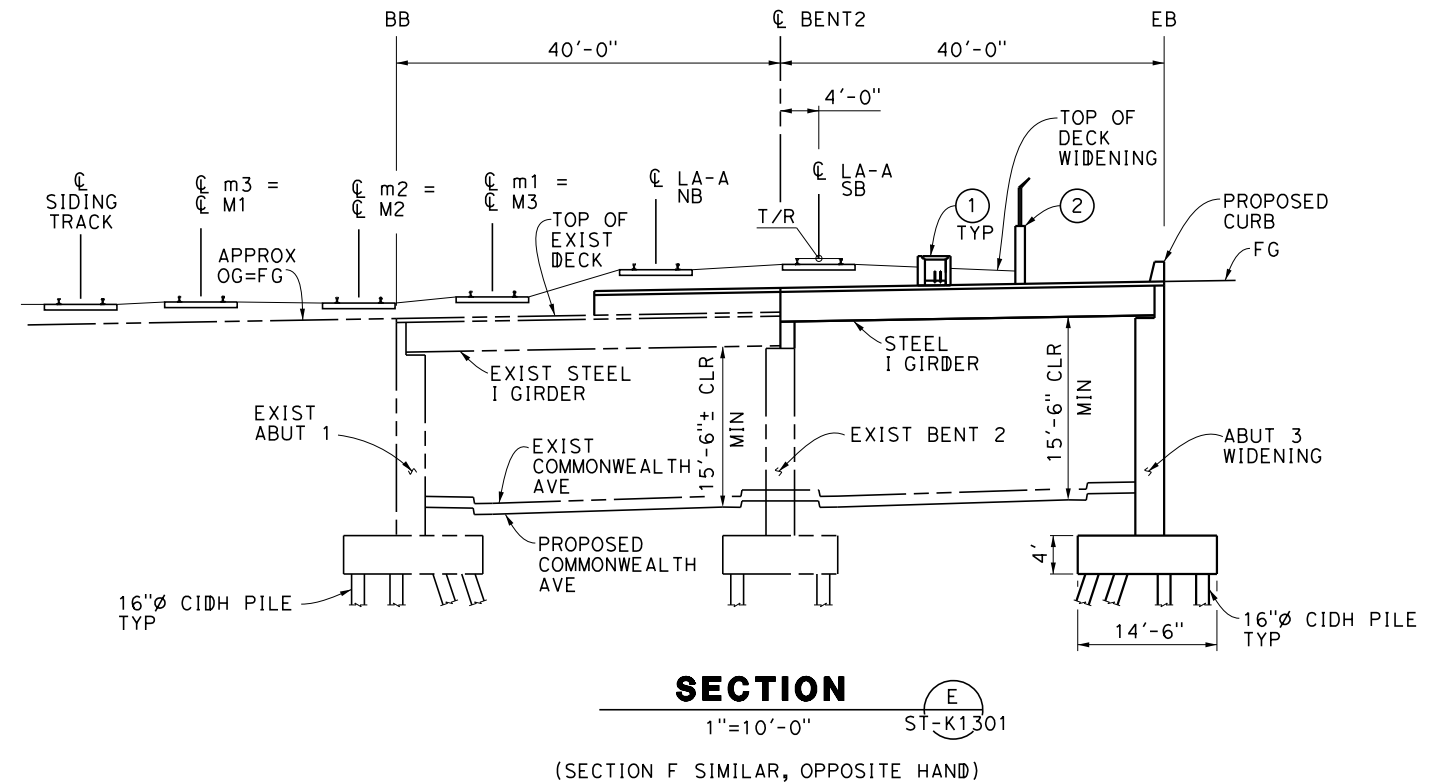
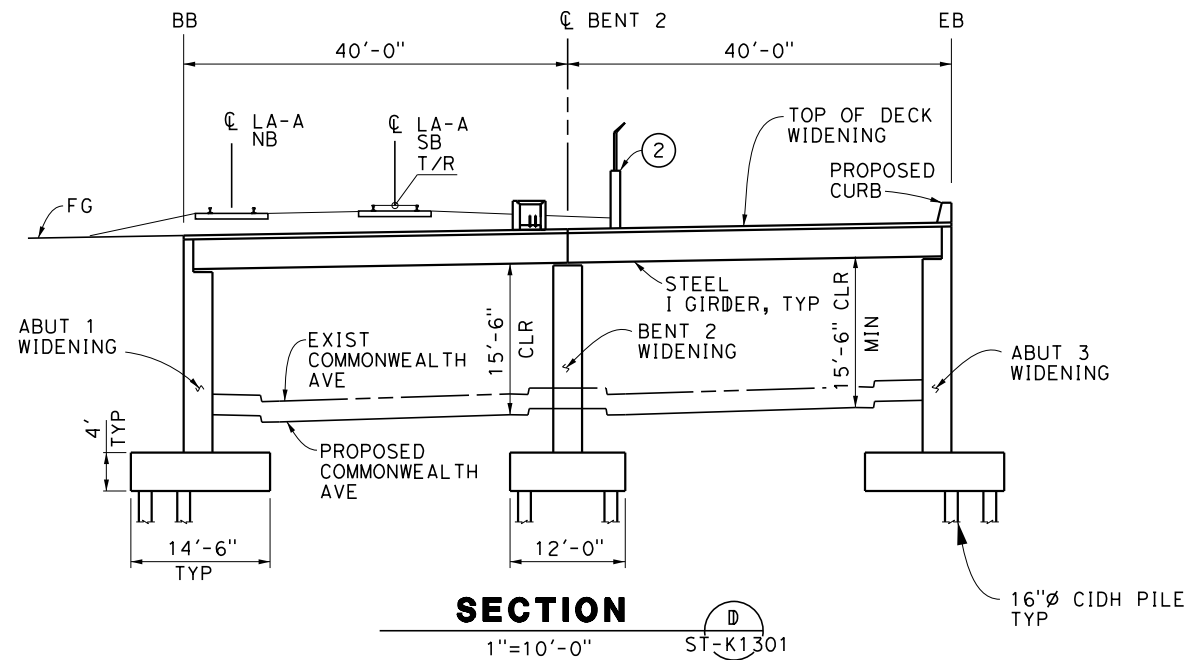
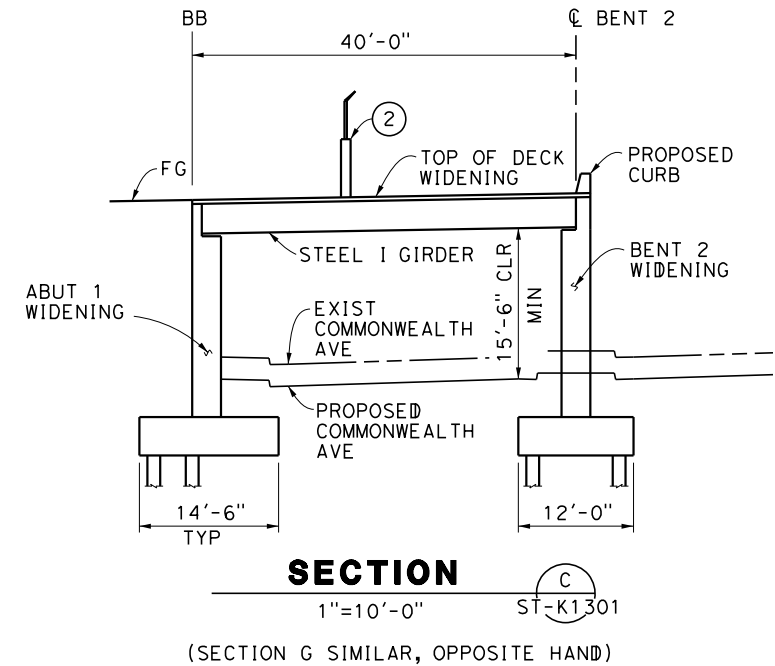
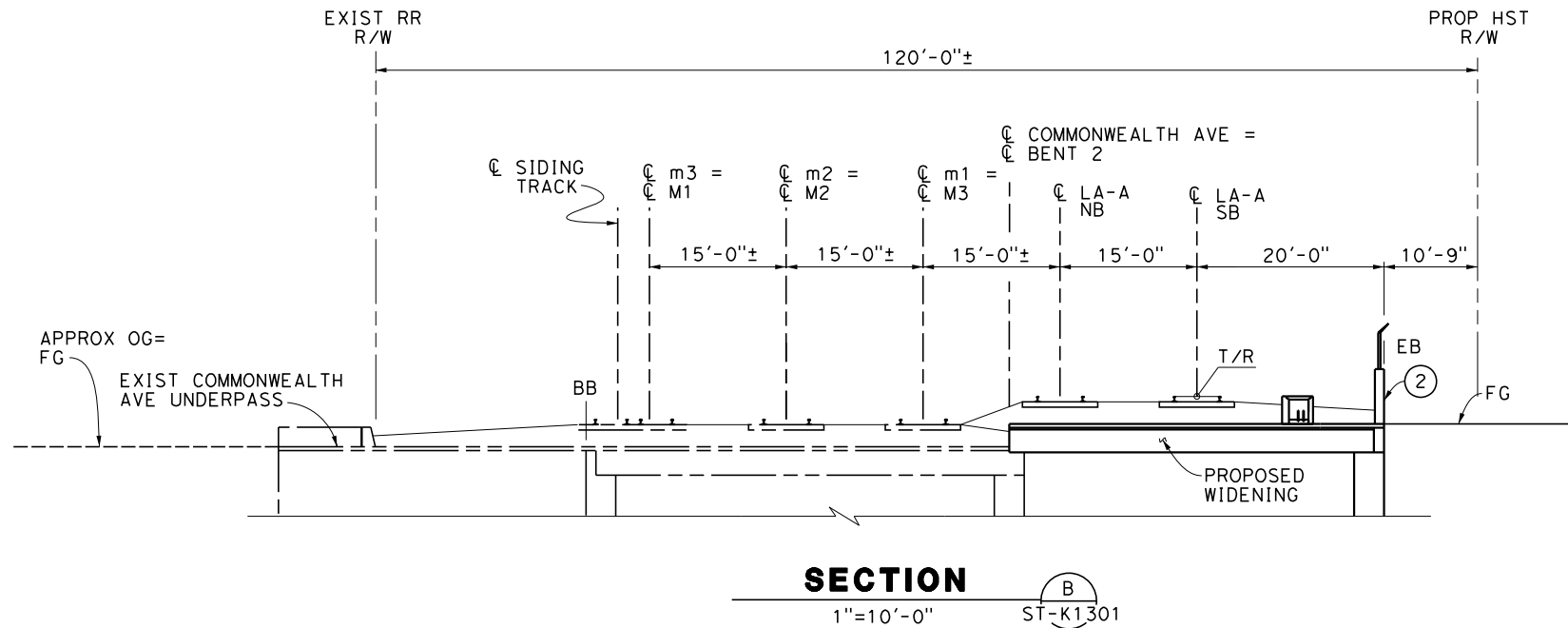
CONTRACT NO.
HSR06-0005

DRAWING NO.
ST-K1301

SCALE
AS SHOWN

SHEET NO.

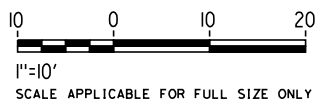
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NOTE:

- ① NEW UTILITY DUCT
- ② PARAPET WITH ACCESS RESTRICTION FENCING

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

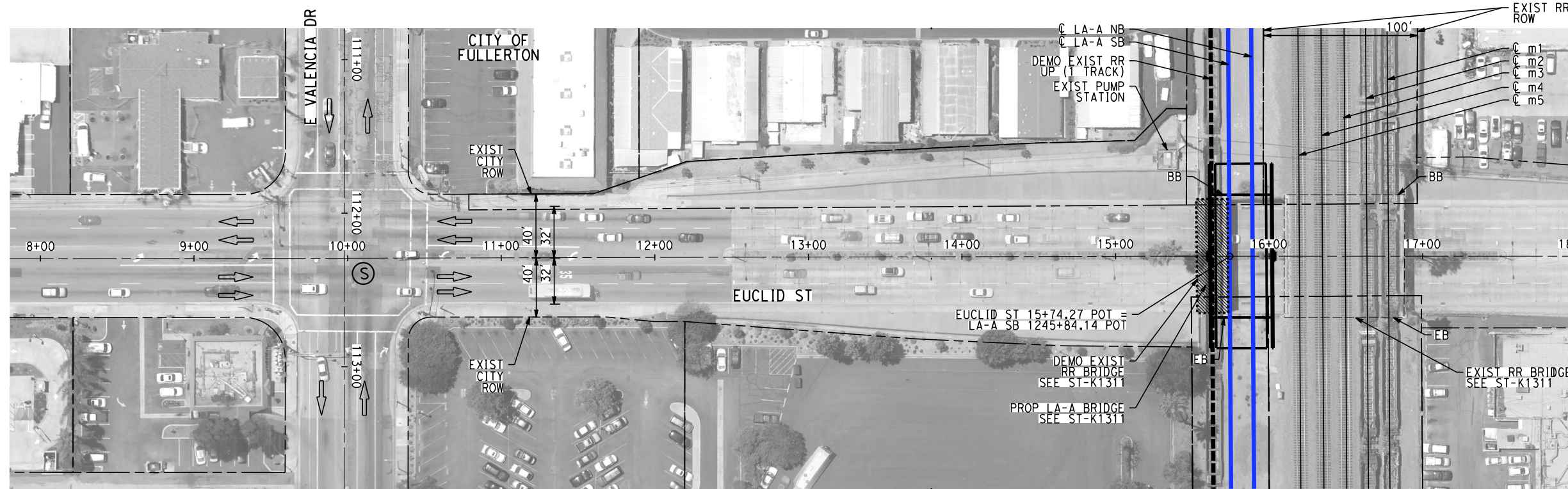
stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - COMMONWEALTH AVE
STRUCTURAL SECTION

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3301
SCALE AS SHOWN
SHEET NO.



PLAN

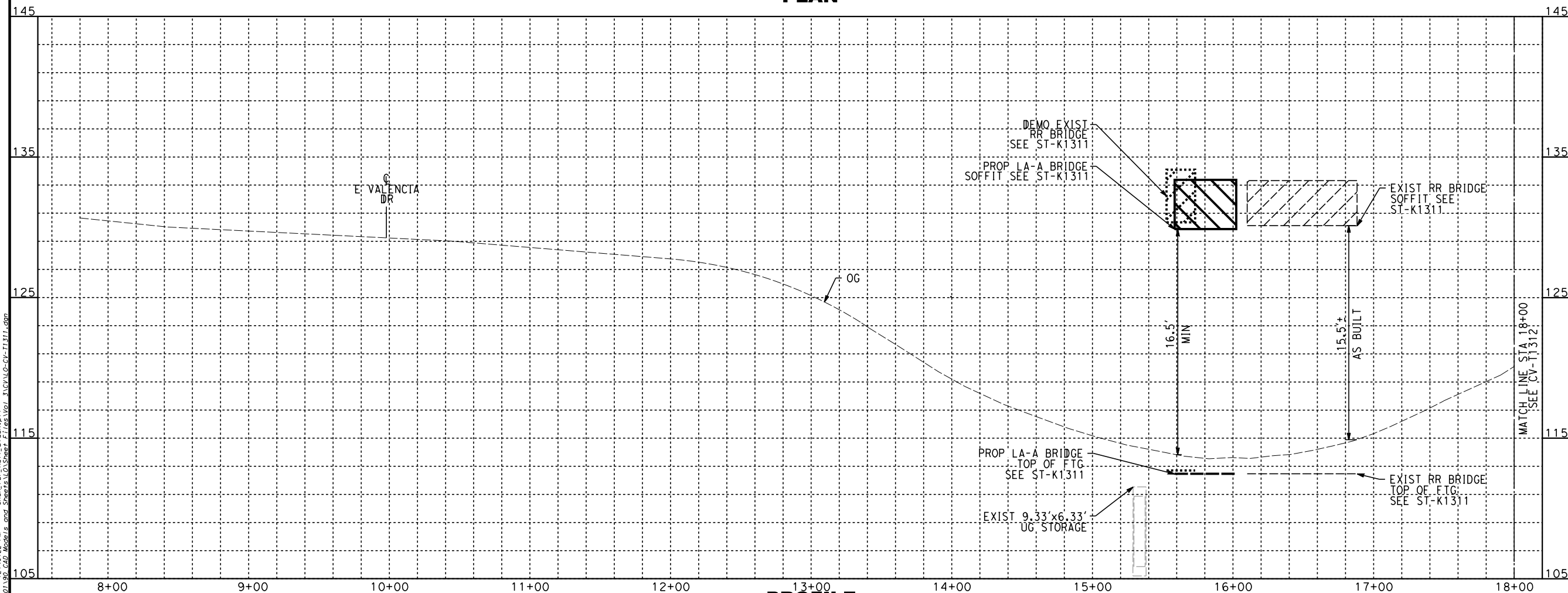
NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

40 0 40 80
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

4 0 4 8
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY



PROFILE

2/6/2025 12:40:22 PM CHSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
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USE ONLY

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CONSTRUCTION



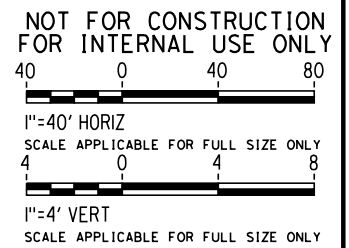
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - EUCLID ST
PLAN AND PROFILE - SHEET 1 OF 2

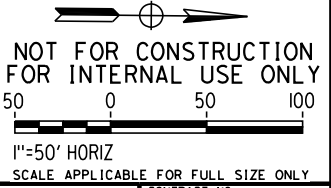
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1311
SCALE AS SHOWN
SHEET NO.

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T1312
SCALE	AS SHOWN
SHEET NO.	

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

PEPD
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FOR INTERNAL
USE ONLY

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CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - EUCLID ST
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T1315
SCALE	AS SHOWN
SHEET NO.	

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Chiang

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

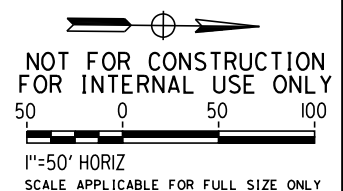
RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - EUCLID ST
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1316
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	A. CHIANG
DRAWN BY	A. CHIANG
CHECKED BY	A. BOSCH
IN CHARGE	J. SWANSON
DATE	02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

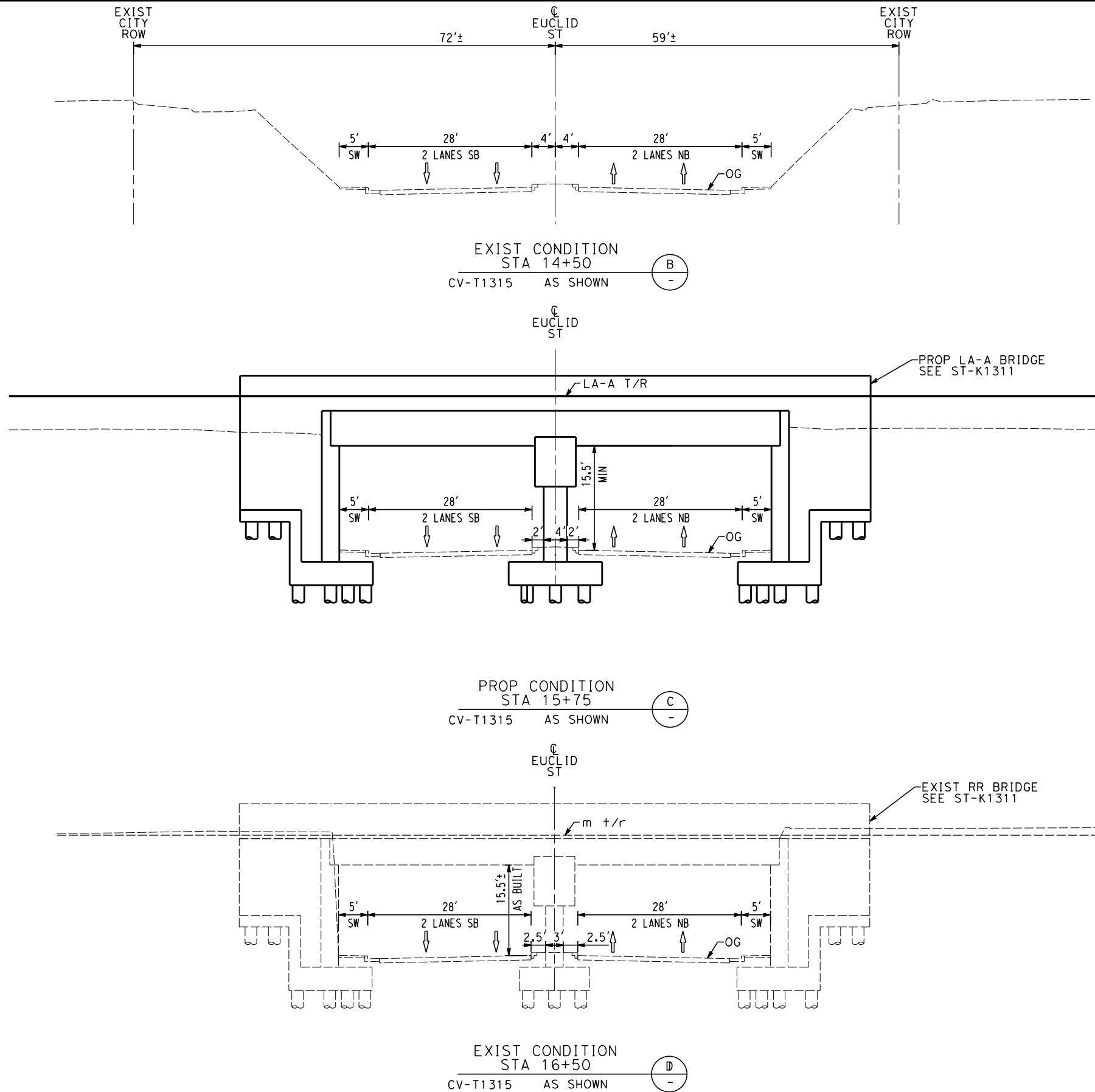


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - EUCLID ST
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T3311
SCALE	AS SHOWN
SHEET NO.	



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

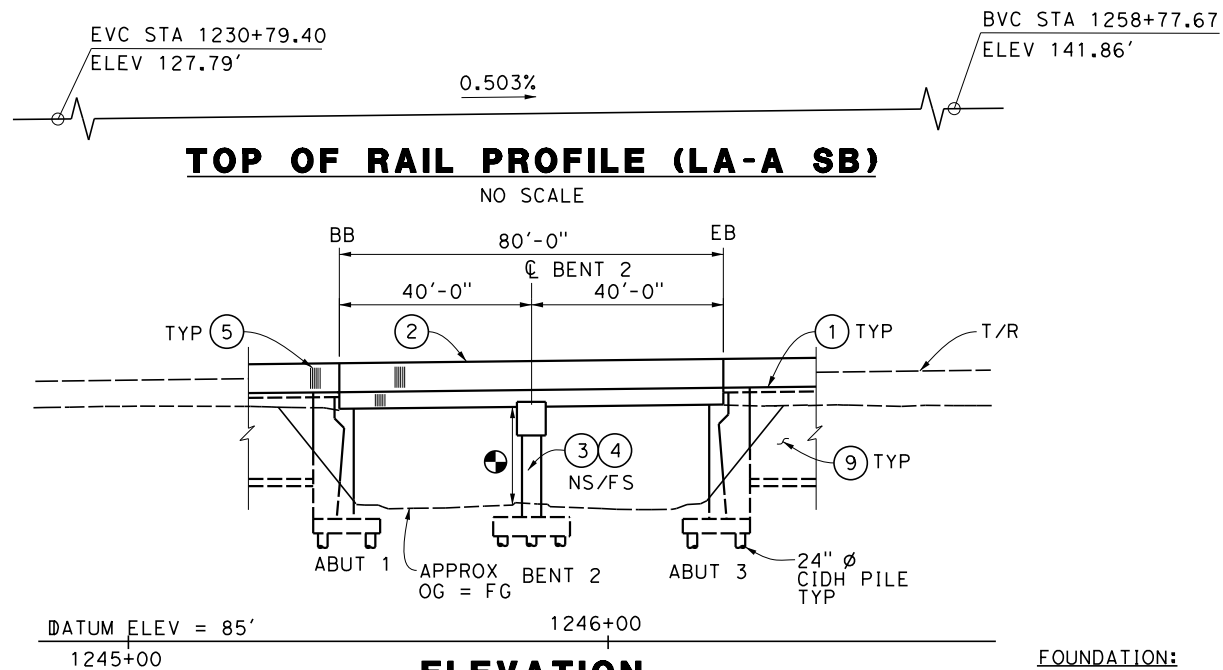
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1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

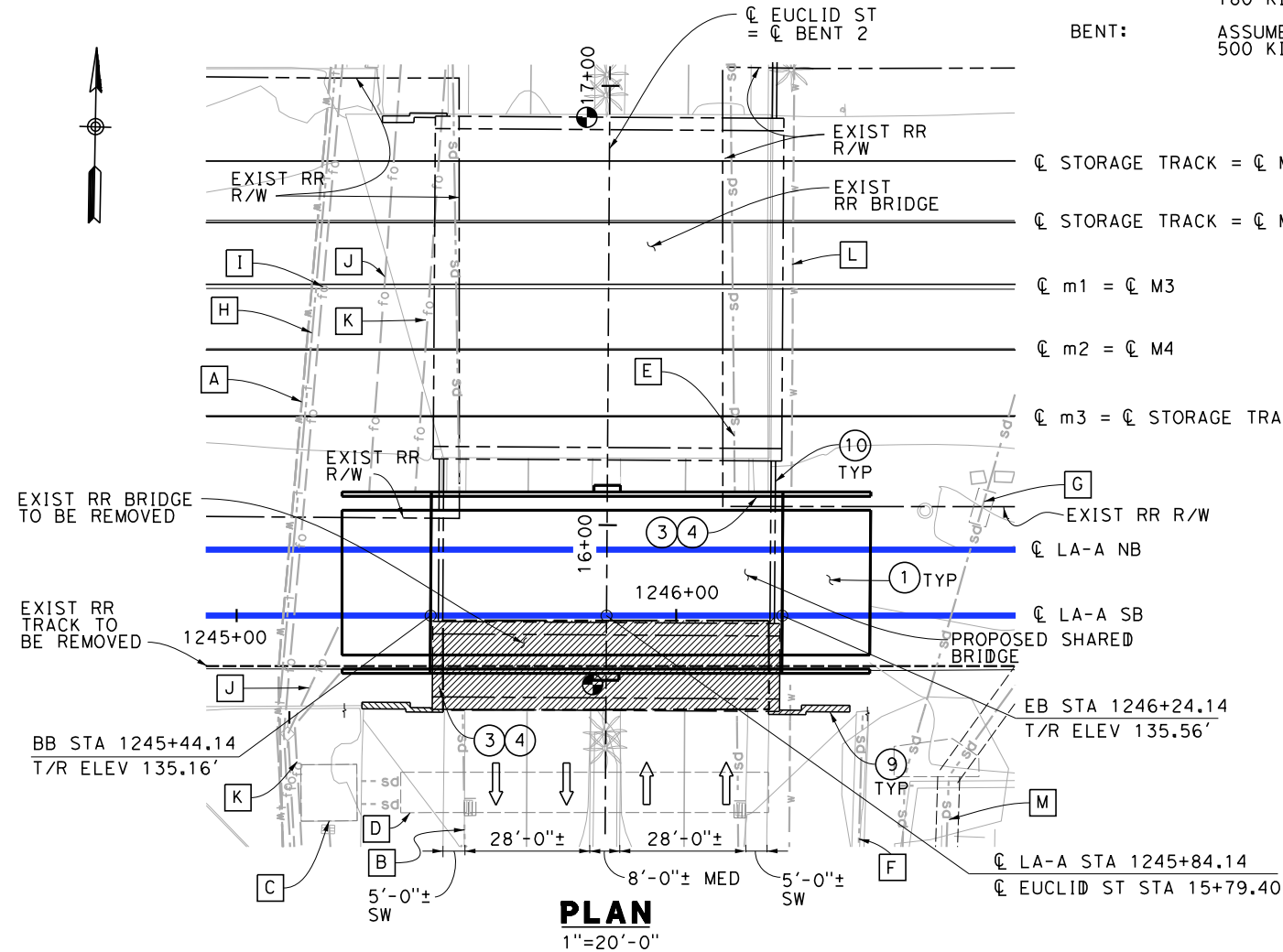
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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ELEVATION

1"=20'-0"



PLAN

1"=20'-0"

FOUNDATION:

ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
180 KIPS @ SERVICE

BENT: ASSUME 24" Ø CIDH, L = 80'
500 KIPS @ NOMINAL

NOTES:

- STRUCTURE APPROACH SLAB
- PARAPET
- PAINT "BR. NO. XX-XXX"
- PAINT "EUCLID STREET UNDERPASS"
- ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- WALKWAY (3'-0" WIDE)
- NEW UTILITY DUCT
- DRAINAGE PIPE
- EXIST RETAINING WALL
- ADJACENT EXISTING RETAINING WALL (REMOVE TOP PORTION IN CONFLICT WITH PROPOSED BRIDGE DECK)

EXISTING UTILITIES:

- | | |
|---|---|
| A | EXIST 12" WATER, CITY OF FULLERTON (PROTECT IN PLACE) |
| B | EXIST 21" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE) |
| C | EXIST PUMP STATION, CITY OF FULLERTON (PROTECT IN PLACE) |
| D | EXIST STORAGE BOX, CITY OF FULLERTON (PROTECT IN PLACE) |
| E | EXIST 18" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE) |
| F | EXIST 18" STORM DRAIN (OCFCD), CITY OF FULLERTON (PROTECT IN PLACE) |
| G | EXIST 36" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE) |
| H | EXIST OH COMMUNICATION LINE FO (TIME WARNER), CITY OF FULLERTON (PROTECT IN PLACE) |
| I | EXIST OH COMMUNICATION LINE FO (AT&T - TCA), CITY OF FULLERTON (PROTECT IN PLACE) |
| J | EXIST OH COMMUNICATION LINE FO (VERIZON WIRELESS), CITY OF FULLERTON (PROTECT IN PLACE) |
| K | EXIST 36" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE) |
| L | EXIST 12" CIP WATER LINE, CITY OF FULLERTON (PROTECT IN PLACE) |
| M | EXIST 60" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE) |

GENERAL NOTE:

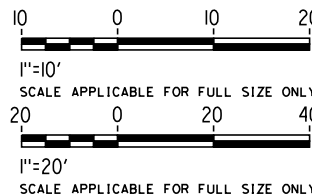
- ALL PROPOSED BRIDGES HAVE AN OUTWARD 2% SLOPE FROM CL OF BRIDGE.
- OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
- ALL TRACKS ARE AT THE SAME ELEVATION.

LEGEND:

- | | |
|-----|--|
| | INDICATES DIRECTION OF TRAFFIC |
| | INDICATES EXISTING FEATURES |
| | INDICATES LIMITS OF EXIST BRIDGE REMOVAL |
| | INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6" MIN) |
| | INDICATES EXISTING POINT OF MINIMUM VERTICAL CLEARANCE (15'-6"±) |
| (M) | PROPOSED ALIGNMENT |
| (m) | EXISTING ALIGNMENT |

TRAFFIC (PER DAY):

ADT₂₀₀₉: 38,300
ADT₂₀₃₅: 40,900
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

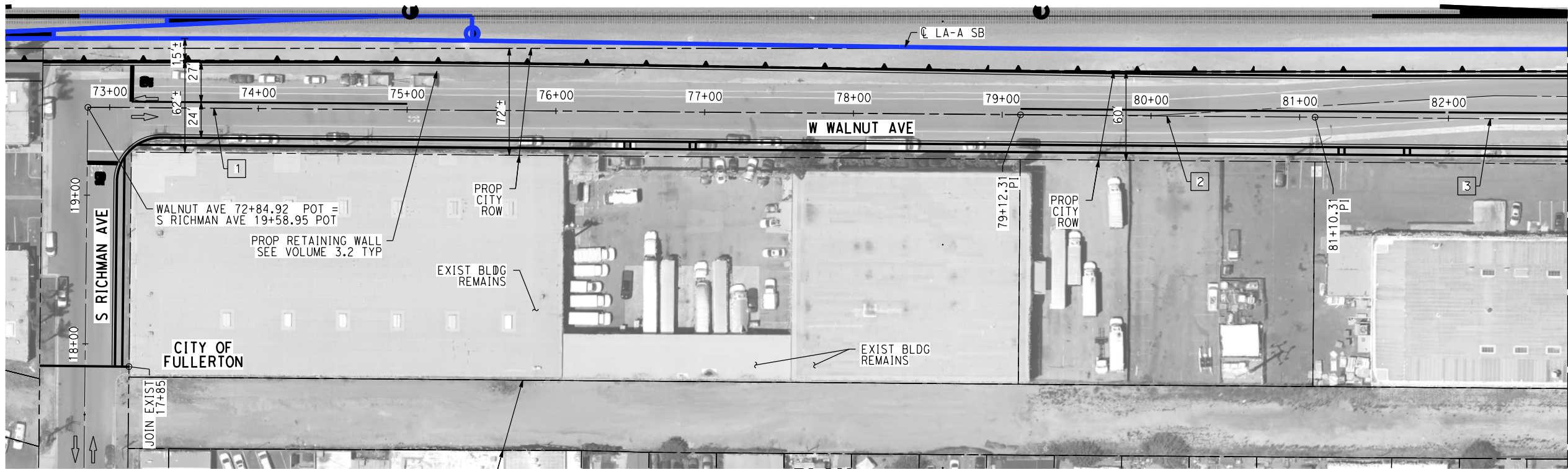
NOT FOR
CONSTRUCTION

stv



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - EUCLID STREET
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1311
SCALE AS SHOWN
SHEET NO.

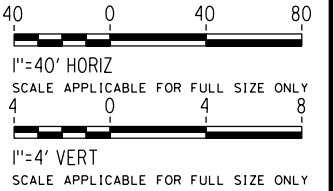


PLAN

NOTES:

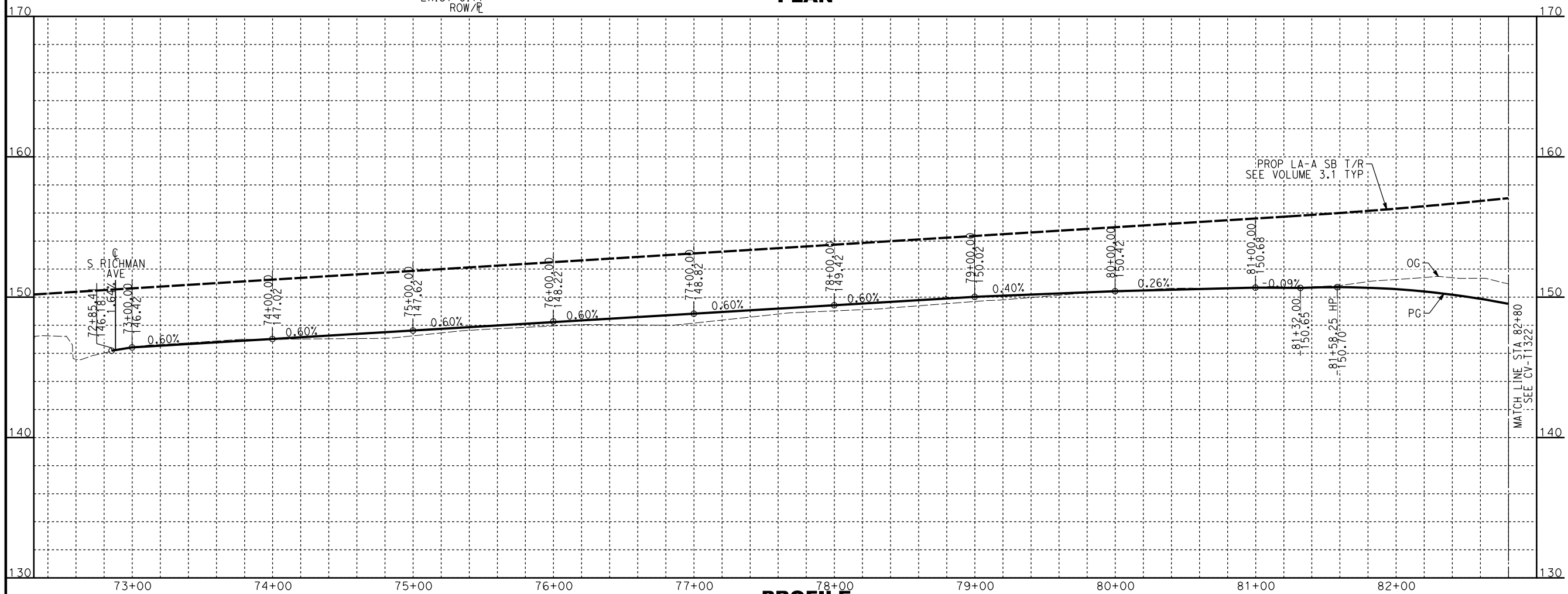
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



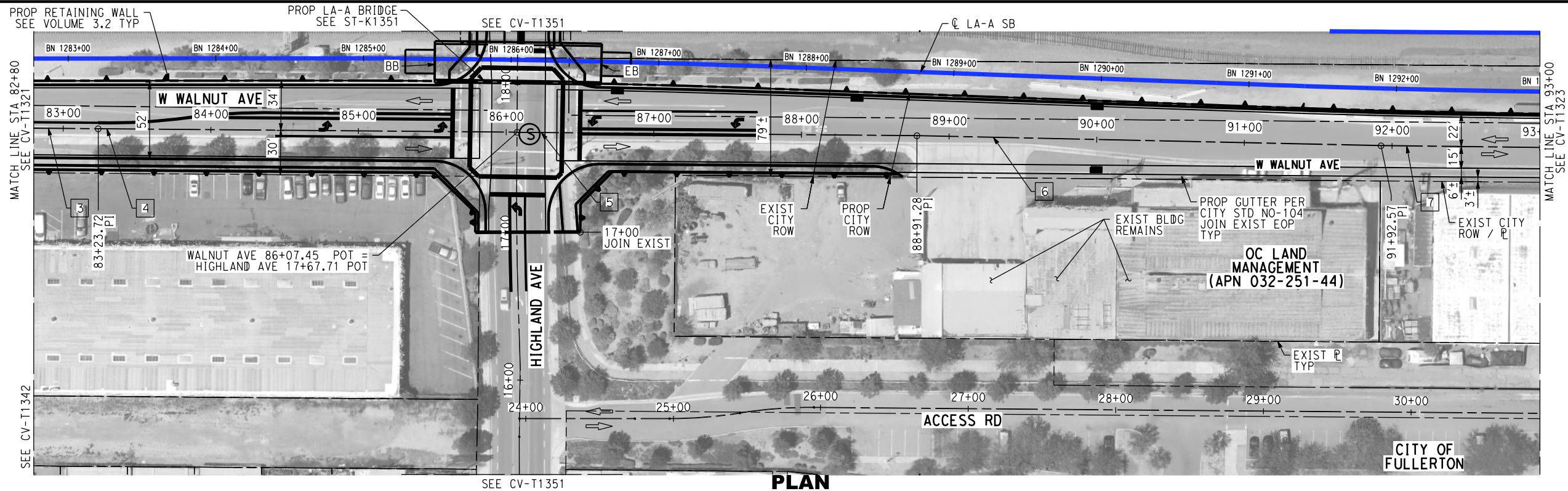
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NO	BEARING	DISTANCE
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2	N89°32'04"E	198.01'
3	N89°32'00"E	213.41'

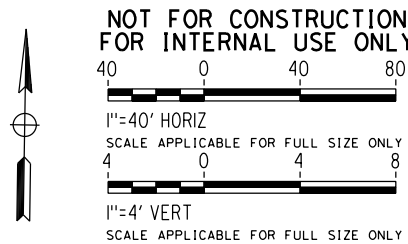


PROFILE

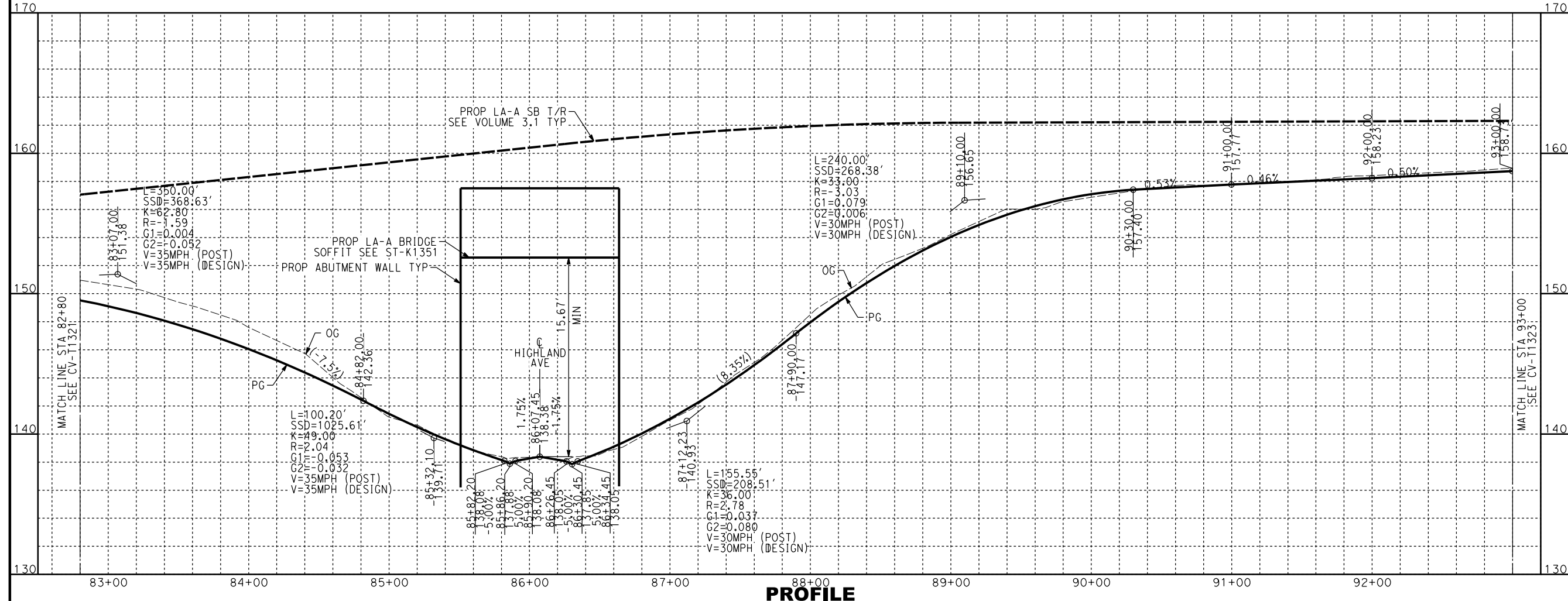
	A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY	stv		CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE PLAN AND PROFILE - SHEET 1 OF 4	HSR06-0005
	A. CHIANG					CV-T1321
	A. BOSCH					AS SHOWN
	J. SWANSON					
	02/28/25					

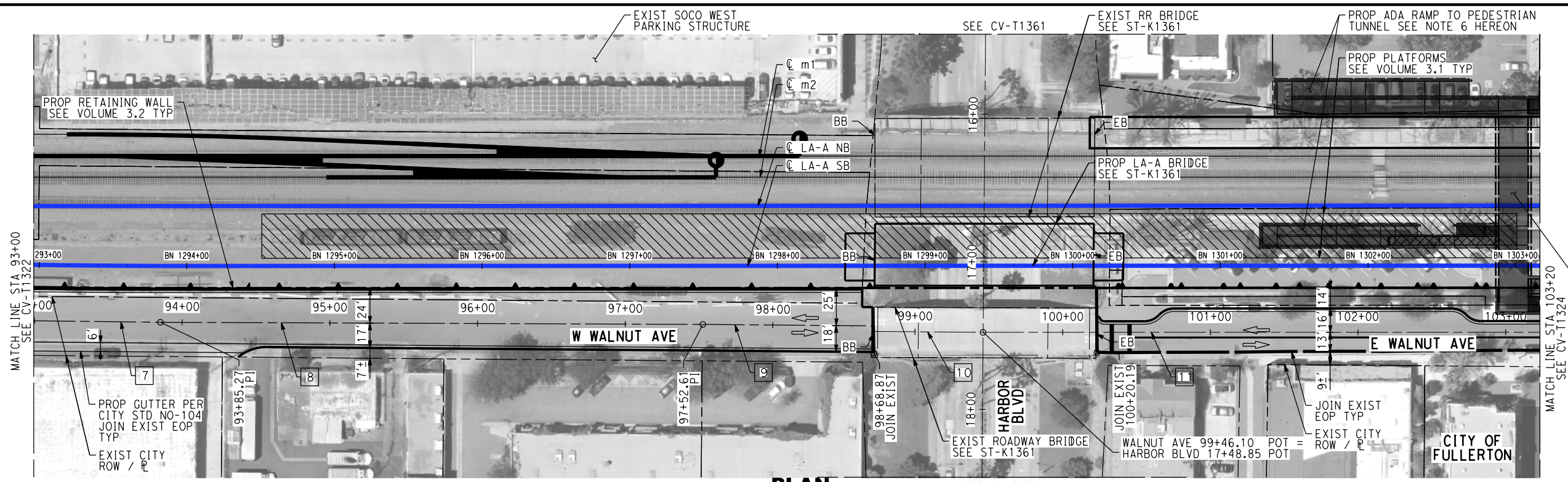


- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



LINE DATA		
NO	BEARING	DISTANCE
3	N89°32'00"E	213.41'
4	N89°32'00"E	283.72'
5	N89°32'01"E	270.75'
6	S89°42'14"E	314.38'
7	N89°43'51"E	192.70'

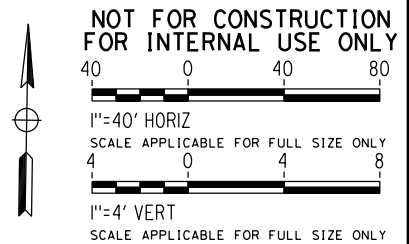




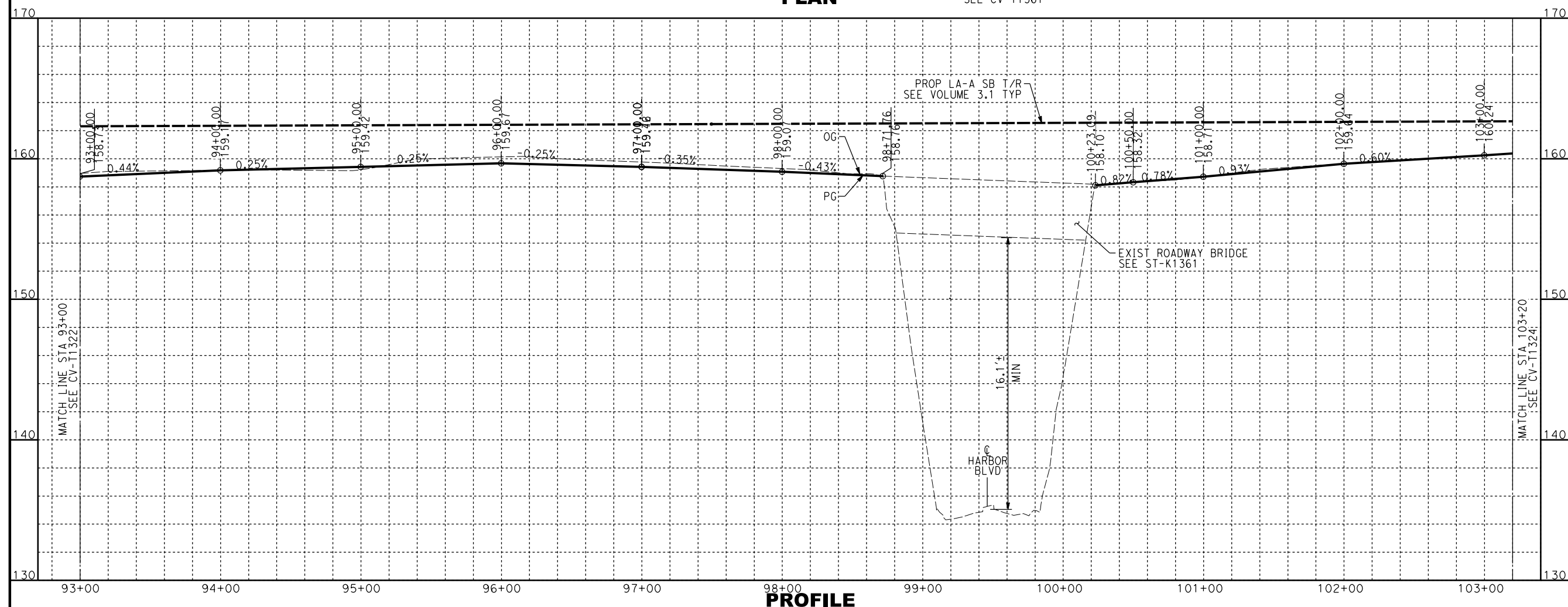
PLAN

SEE CV-T1361

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

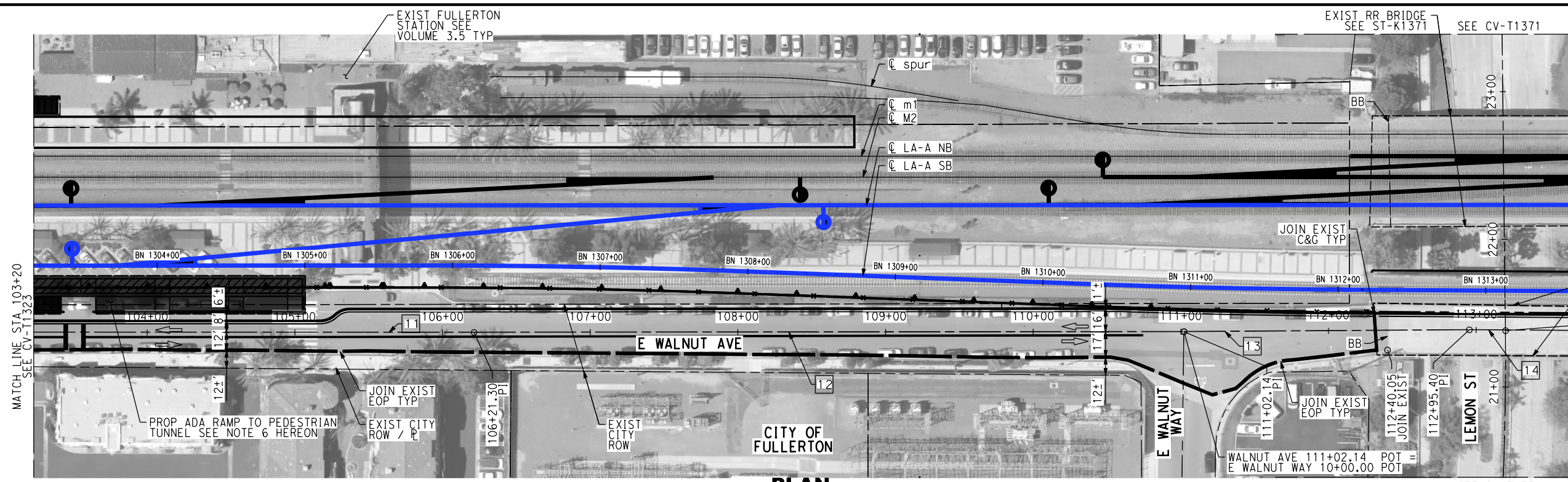


LINE DATA		
NO	BEARING	DISTANCE
7	N89°43'51"E	192.70'
8	N89°17'41"E	367.34'
9	N89°33'17"E	115.43'
10	N89°32'05"E	73.51'
11	N89°04'12"E	676.03'



PROFILE

				A. CHIANG		PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM		HSR06-0005			
				A. CHIANG					RECORD SET		CV-T1323			
				A. BOSCH					PRELIMINARY ENGINEERING FOR PROJECT DEFINITION		AS SHOWN			
				J. SWANSON					GRADE SEPARATION - W&E WALNUT AVE					
				02/28/25					PLAN AND PROFILE - SHEET 3 OF 4					



PLAN

- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

EXIST TRACK & ROADWAY BRIDGE SEE ST-K1371

WALNUT AVE 113+19.90 POT = LEMON ST 21+38.08 POC

NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

40 0 40 80

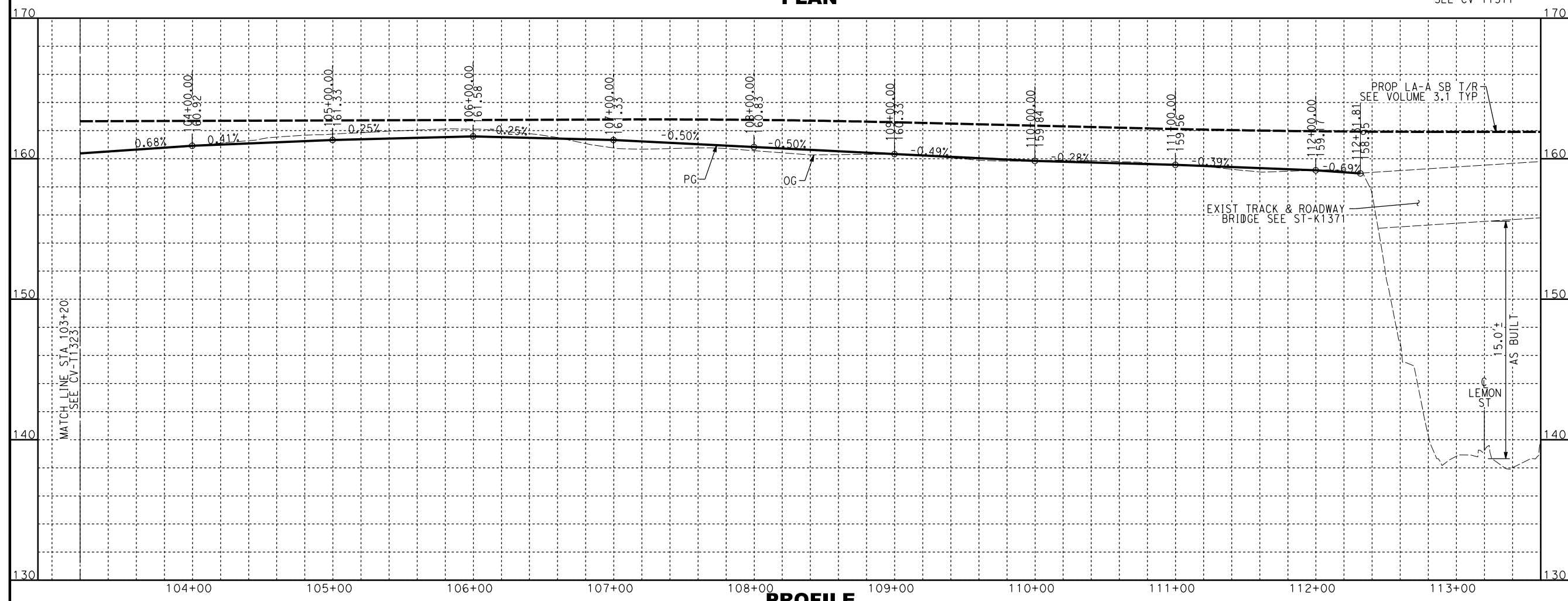
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SCALE APPLICABLE FOR FULL SIZE ONLY

4 0 4 8

1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

LINE DATA

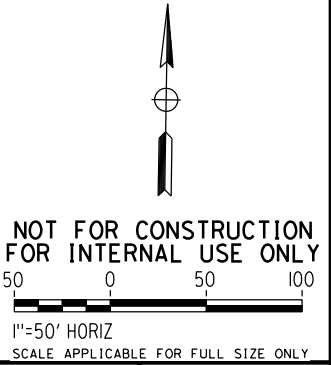
NO	BEARING	DISTANCE
11	N89°04'12"E	676.03'
12	N89°00'28"E	480.84'
13	N88°41'48"E	193.27'
14	N89°26'47"E	662.32'



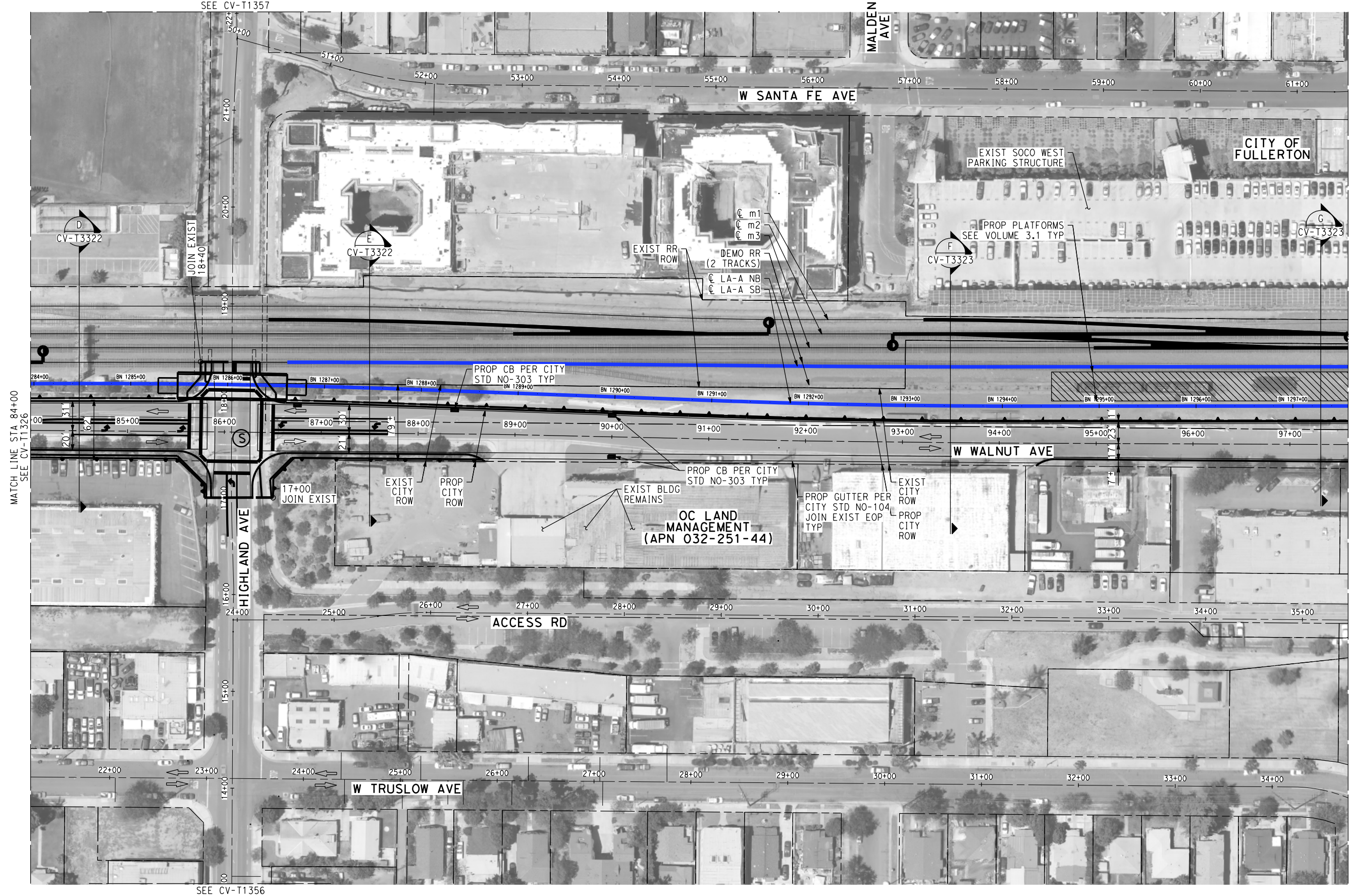
PROFILE



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



						PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE IMPACT PLAN - SHEET 1 OF 4	HSR06-0005 CV-T1326 AS SHOWN
						A. CHIANG				
						A. CHIANG				
						A. BOSCH				
						J. SWANSON				
						02/28/25				



- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

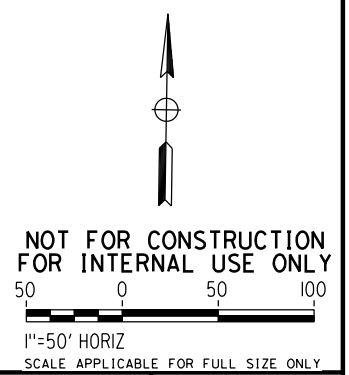
NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

					PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE IMPACT PLAN - SHEET 2 OF 4	HSR06-0005 CV-T1327 AS SHOWN
					A. CHIANG				
					A. CHIANG				
					A. BOSCH				
					J. SWANSON				
					02/28/25				

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



										A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE IMPACT PLAN - SHEET 3 OF 4	HSR06-0005
										A. CHIANG					CV-T1328
										A. BOSCH					
										J. SWANSON					AS SHOWN
										02/28/25					

CITY OF
FULLERTON

E SANTA FE AVE

E SANTA FE AVE

E WALNUT AVE

E TRUSLOW AVE

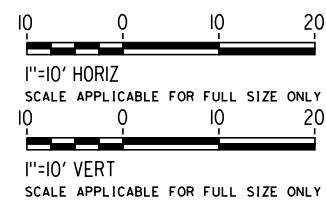
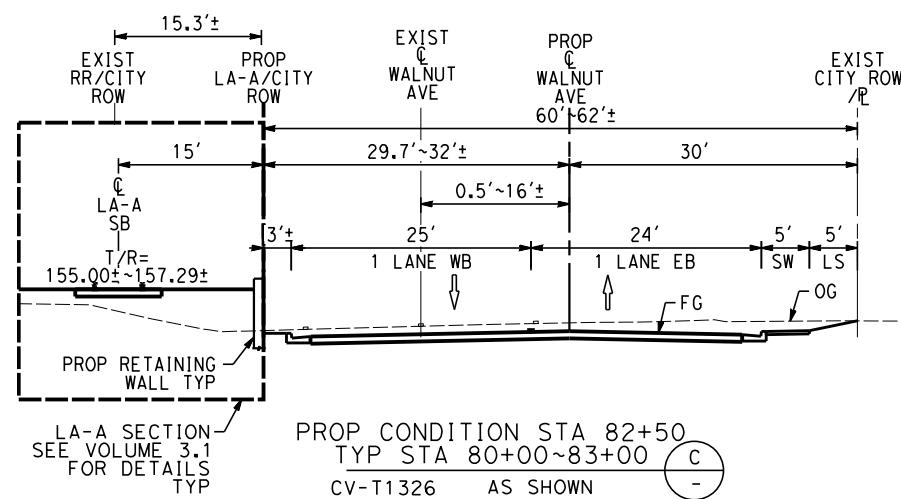
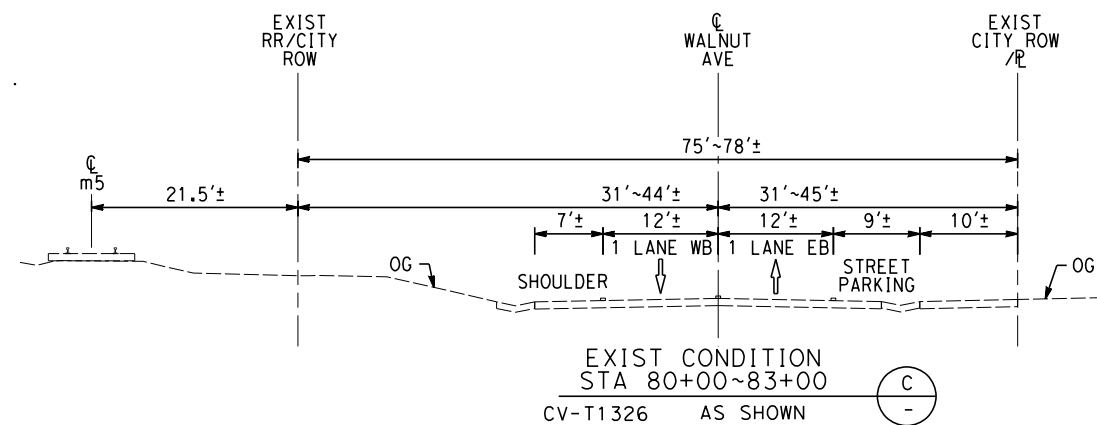
E TRUSLOW AVE

SEE CV-T1376

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

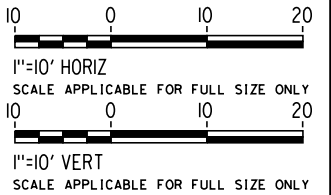
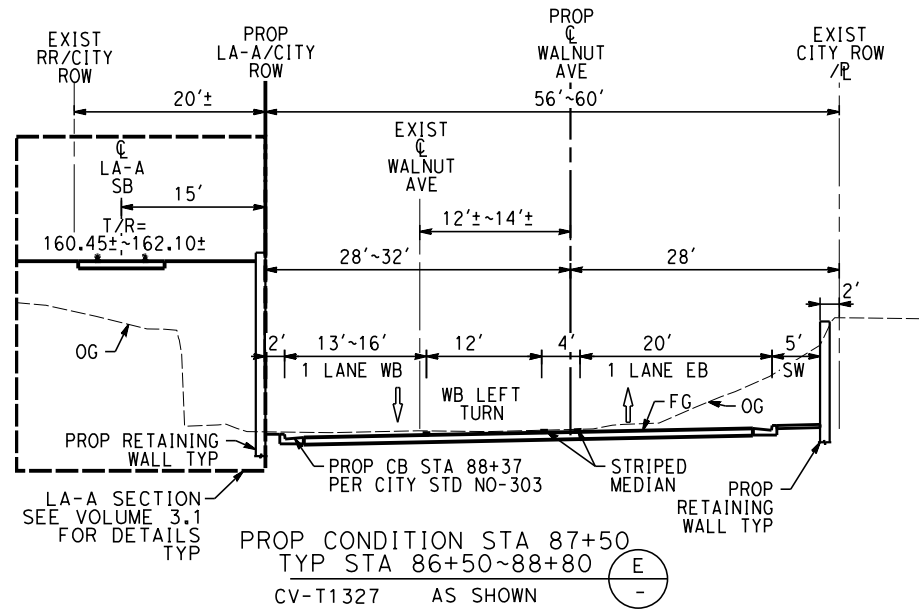
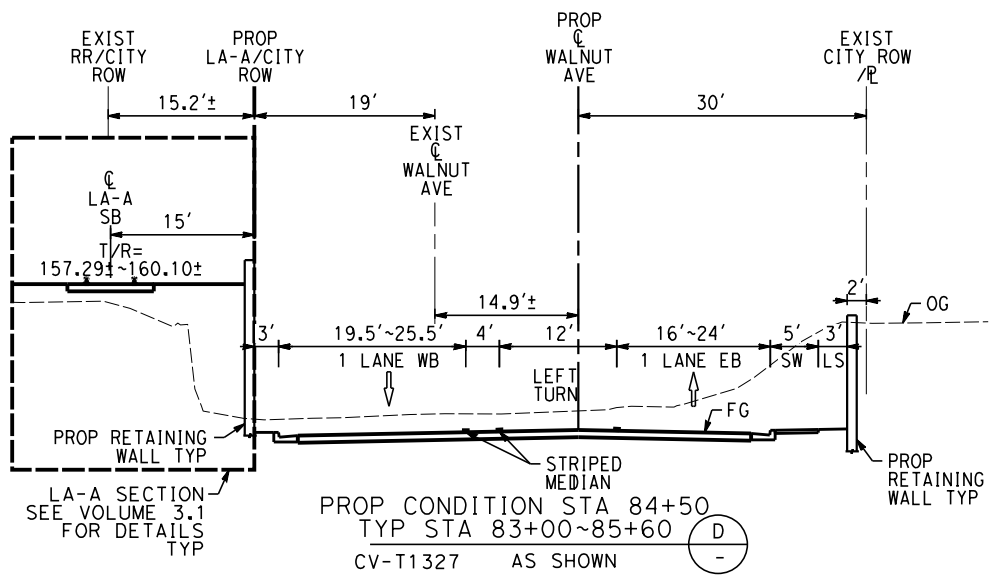
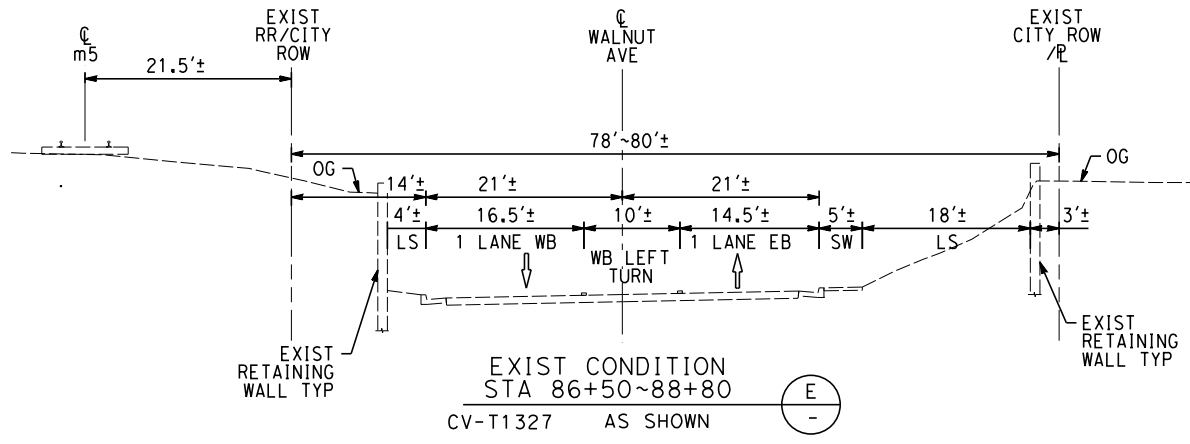
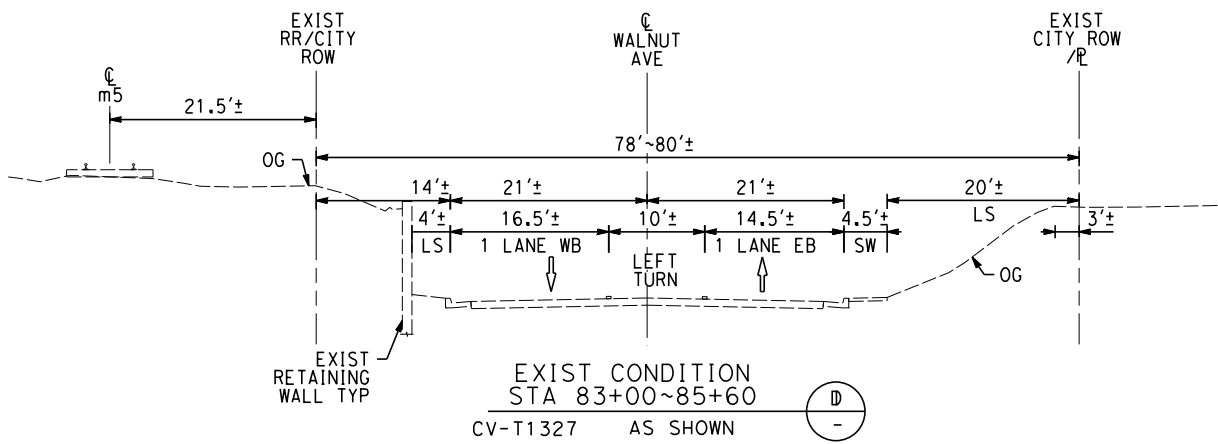
HSR06-0005
CV-T1329
AS SHOWN

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



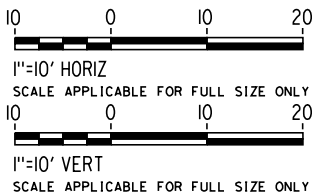
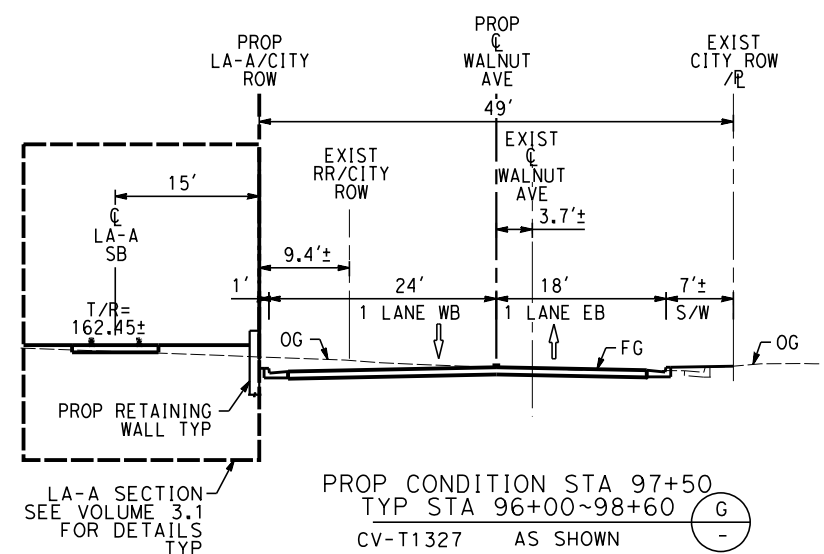
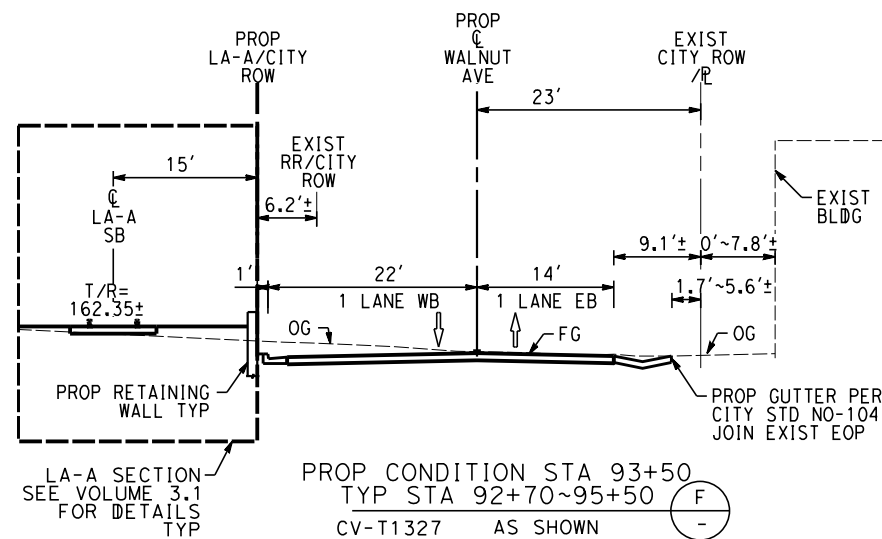
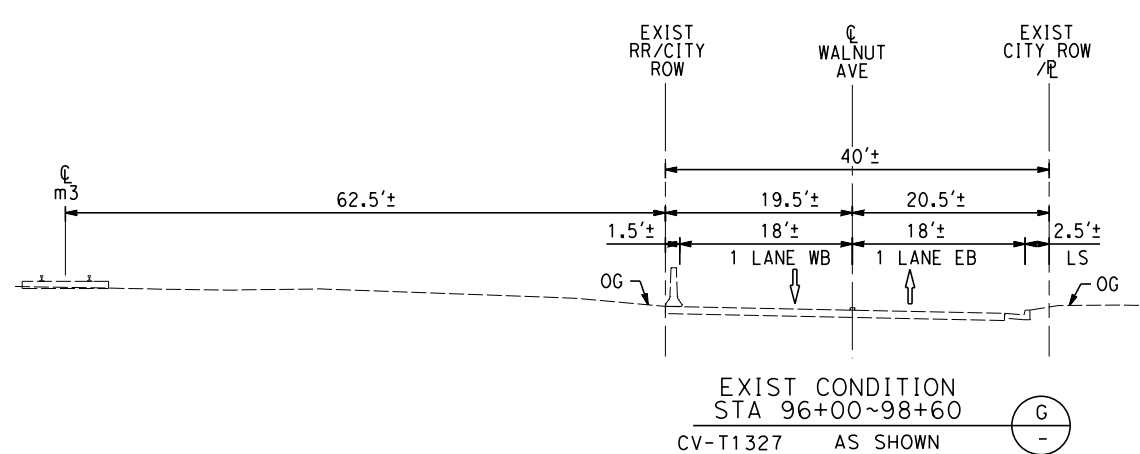
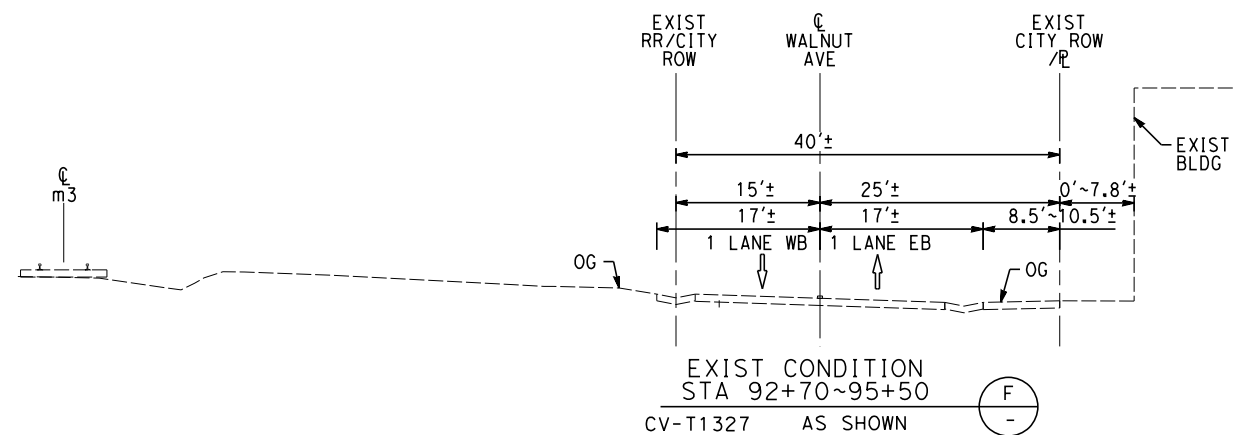
						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM	HSR06-0005
						A. CHIANG					CV-T3321
						A. BOSCH					AS SHOWN
						J. SWANSON					
						02/28/25	NOT FOR CONSTRUCTION			RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE CROSS SECTION - SHEET 1 OF 4	

- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE CROSS SECTION - SHEET 2 OF 4	HSR06-0005
						A. CHIANG					CV-T3322
						A. BOSCH					AS SHOWN
						J. SWANSON					
						02/28/25					

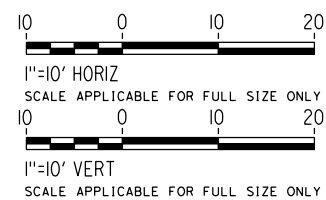
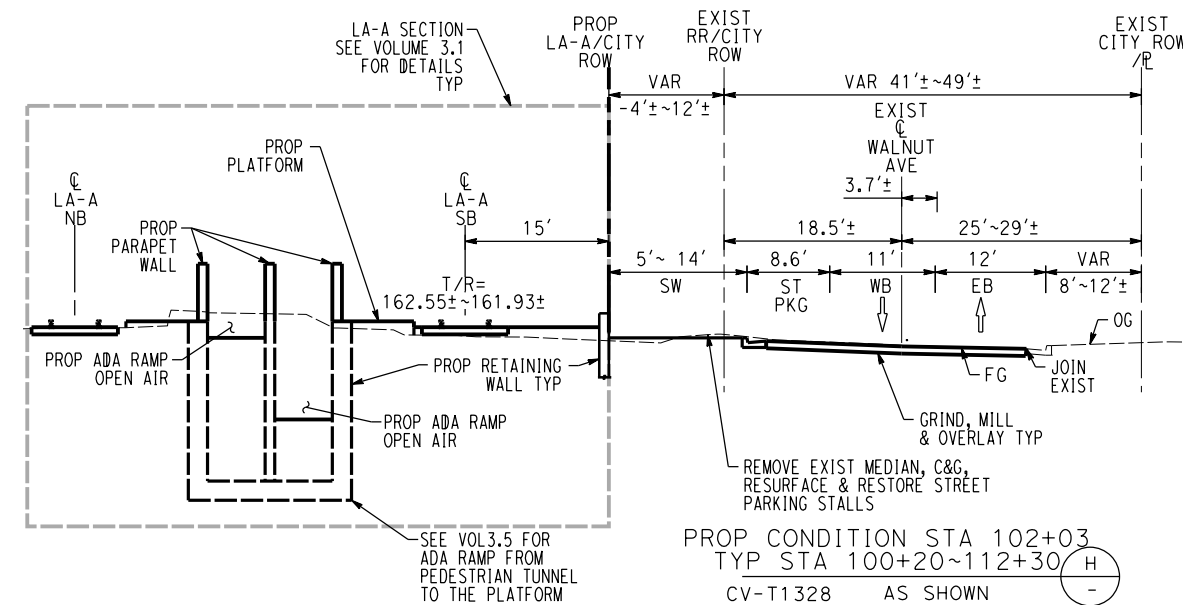
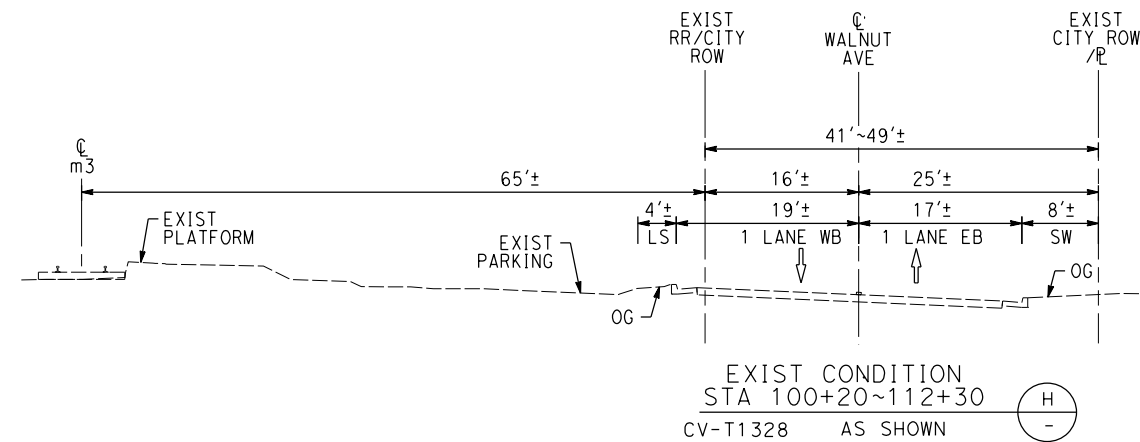
- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



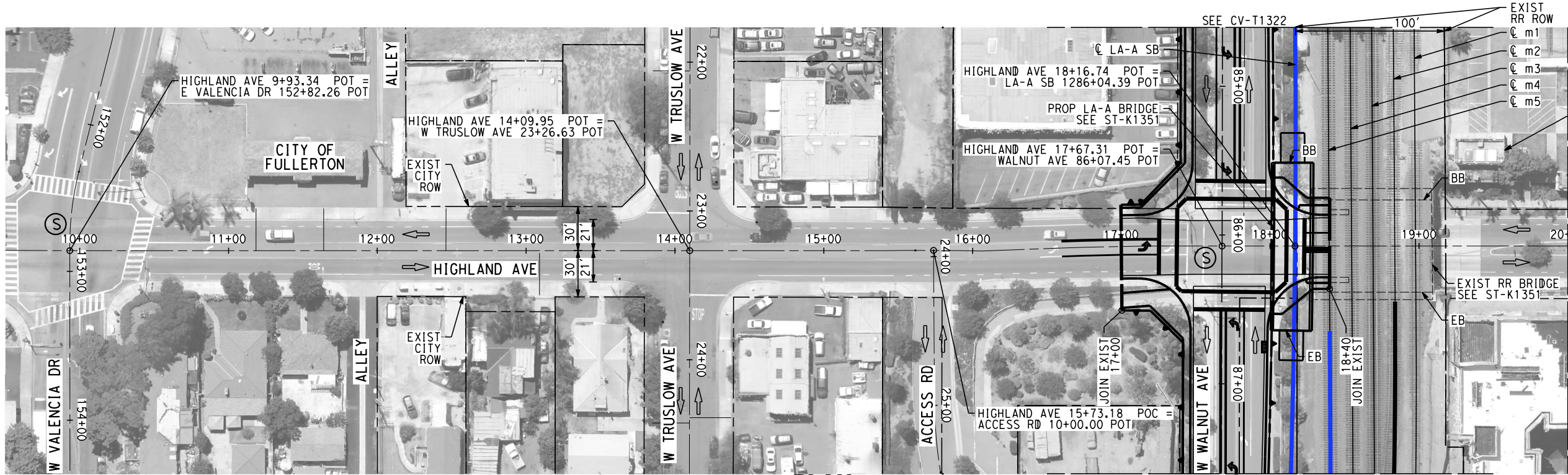
						PEPD SUBMITTAL FOR INTERNAL USE ONLY	NOT FOR CONSTRUCTION	stv		CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE CROSS SECTION - SHEET 3 OF 4		HSR06-0005
												CV-T3323
												AS SHOWN
						A. CHIANG						
						A. CHIANG						
						A. BOSCH						
						J. SWANSON						
						02/28/25						

- NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



					A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM	HSR06-0005
					A. CHIANG					CV-T3324
					A. BOSCH					AS SHOWN
					J. SWANSON					
					02/28/25	NOT FOR CONSTRUCTION			RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE CROSS SECTION - SHEET 4 OF 4	



PLAN

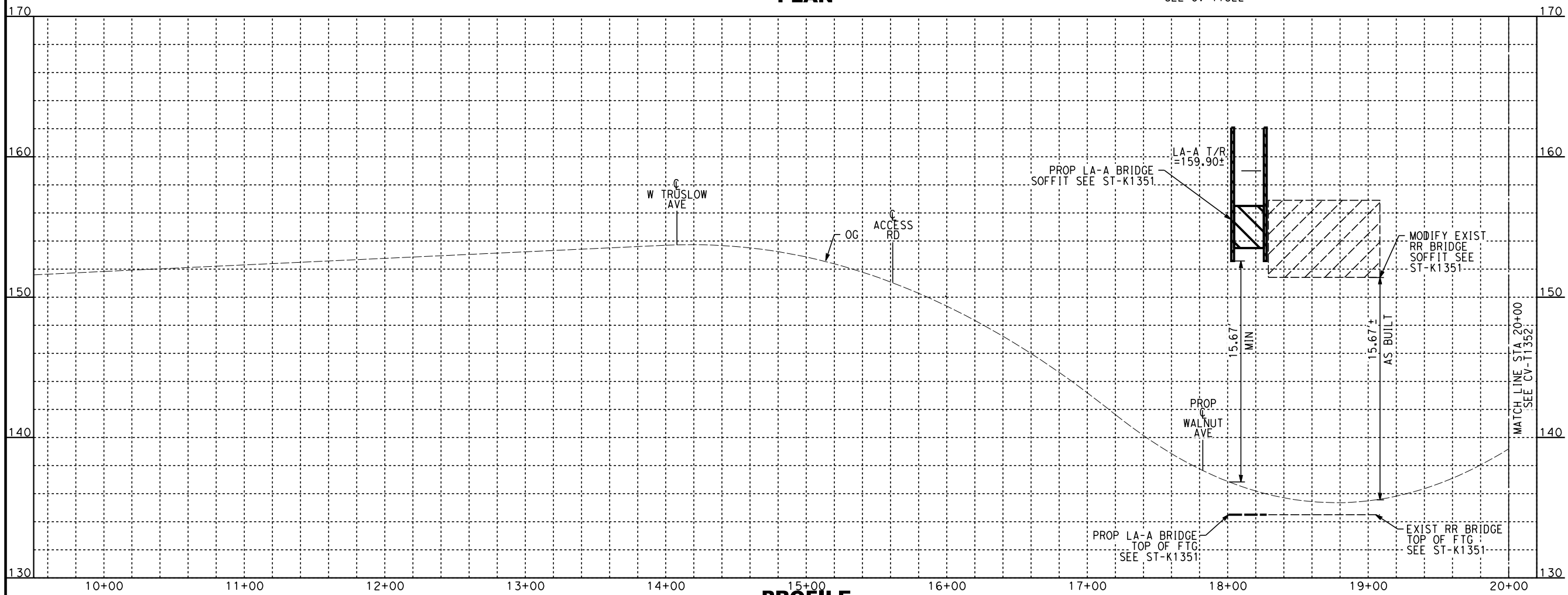
NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

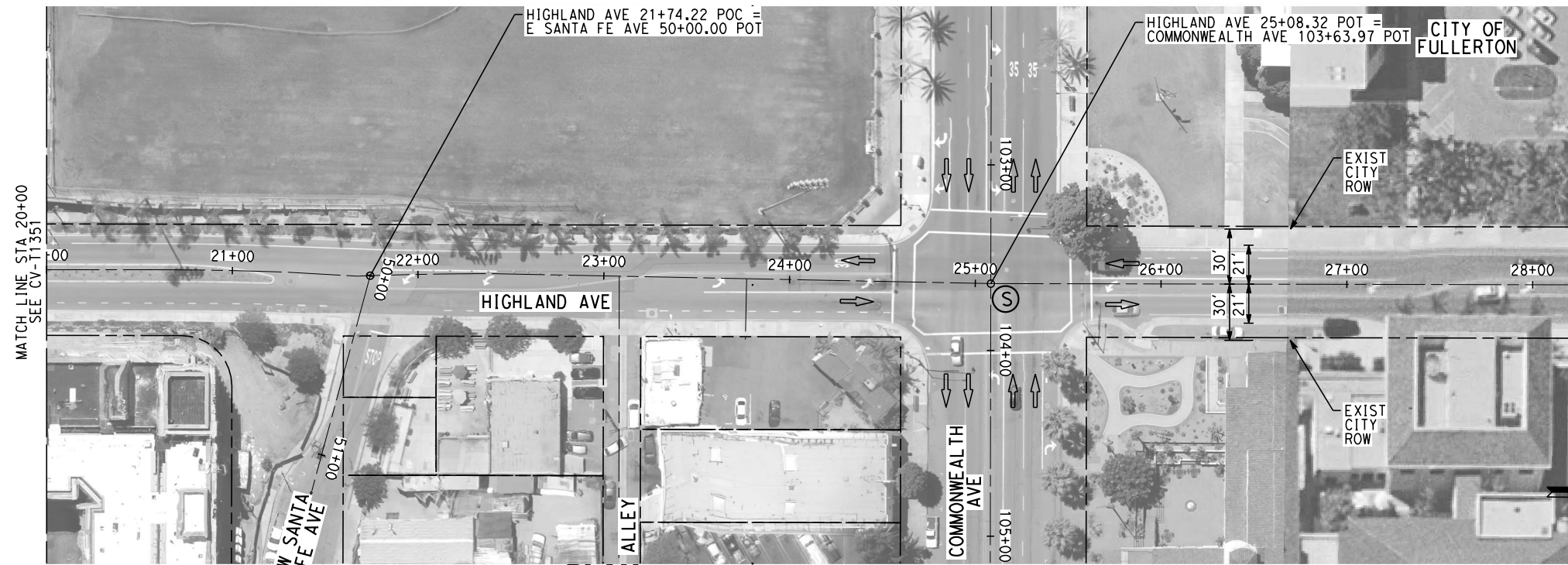
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SCALE APPLICABLE FOR FULL SIZE ONLY

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1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY



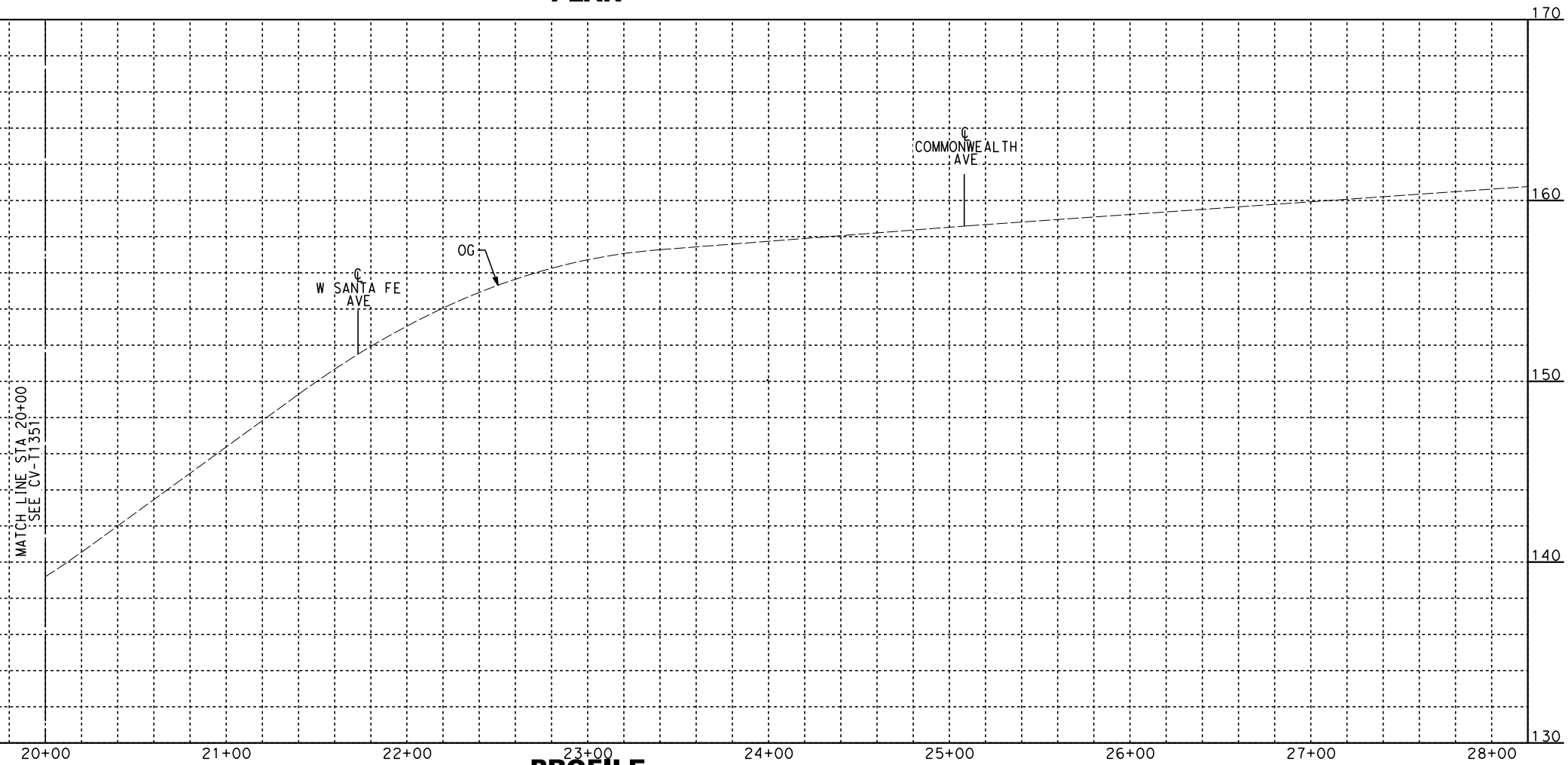
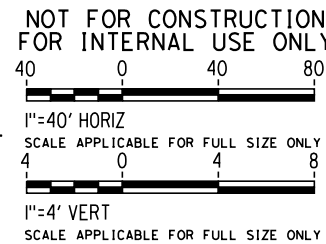
PROFILE

						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HIGHLAND AVE PLAN AND PROFILE - SHEET 1 OF 2	HSR06-0005
						A. CHIANG					CV-T1351
						A. BOSCH					AS SHOWN
						J. SWANSON					
						02/28/25					
							NOT FOR CONSTRUCTION				



PLAN

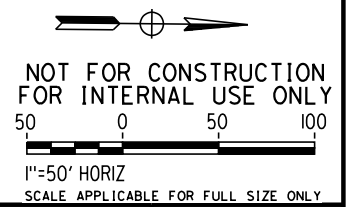
- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PROFILE

						PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HIGHLAND AVE PLAN AND PROFILE - SHEET 2 OF 2	HSR06-0005
										CV-T1352
										AS SHOWN
						A. CHIANG				
						A. CHIANG				
						A. BOSCH				
						J. SWANSON				
						02/28/25				

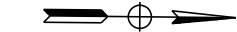
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



										SCALE APPLICABLE FOR FULL SIZE ONLY									
										A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HIGHLAND AVE IMPACT PLAN - SHEET 1 OF 2	HSR06-0005				
										A. CHIANG					CV-T1356				
										A. BOSCH					AS SHOWN				
										J. SWANSON									
										02/28/25									



- NOTES:**
- 1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 - 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 - 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 - 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 - 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 - 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 - 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

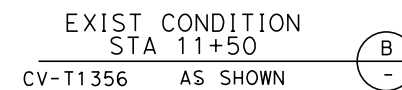


NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

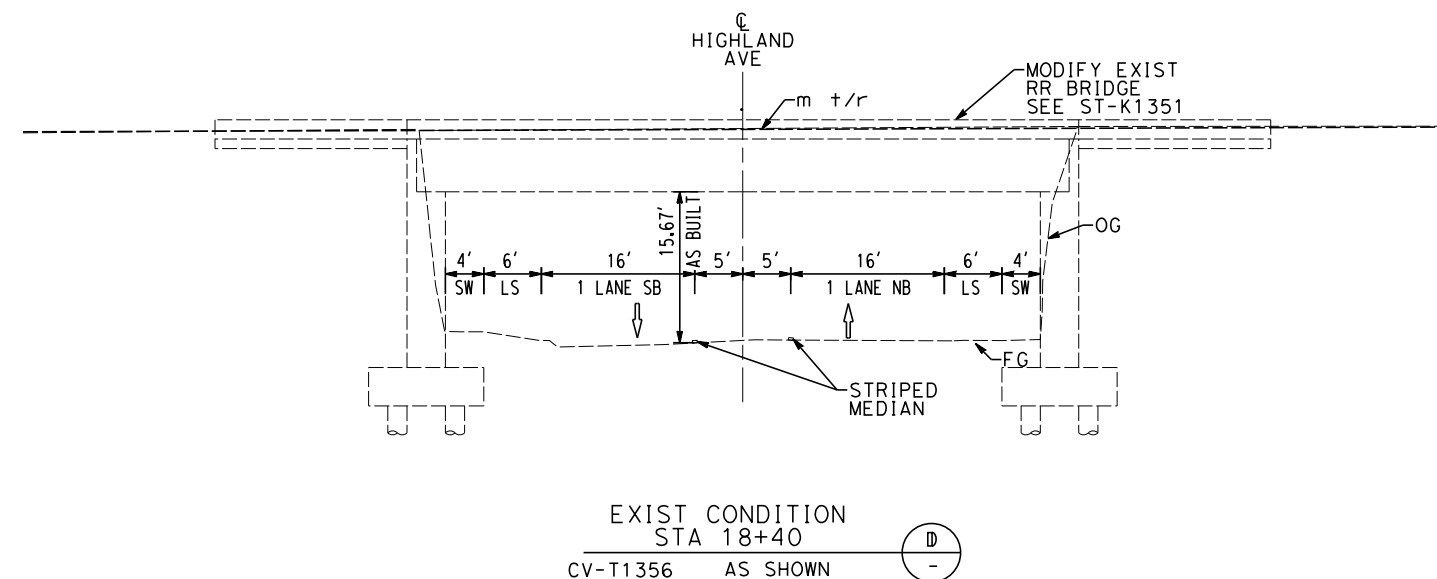
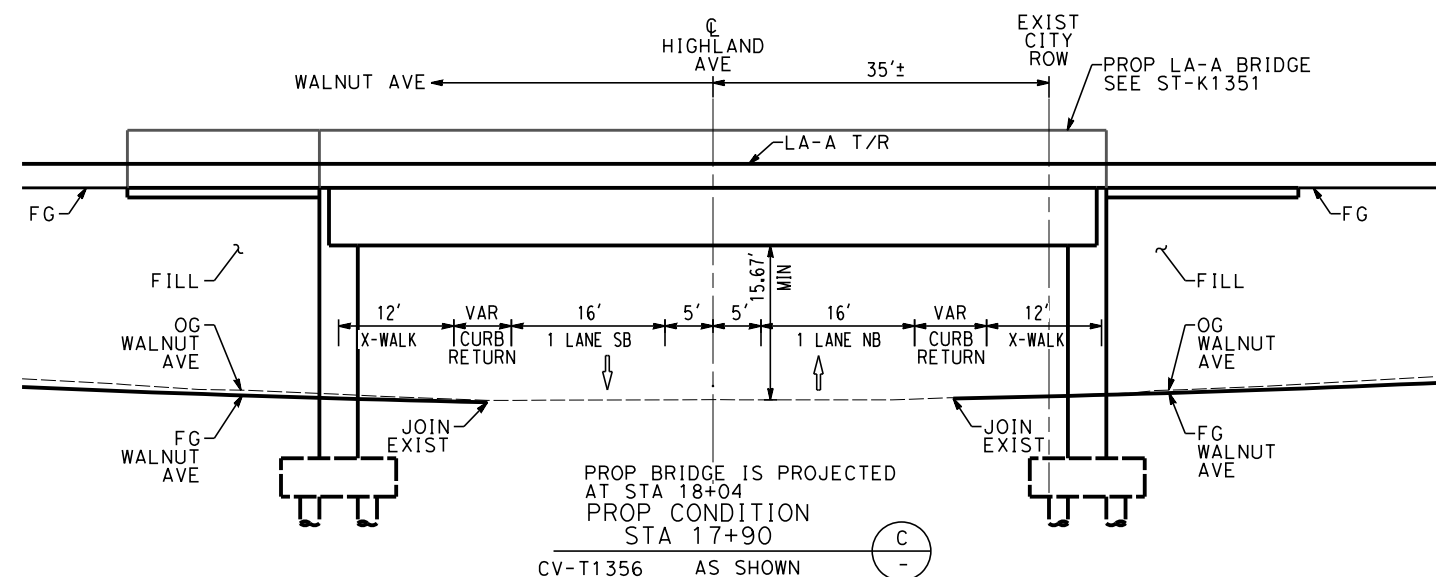


1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HIGHLAND AVE IMPACT PLAN - SHEET 2 OF 2	HSR06-0005
						A. CHIANG					CV-T1357
						A. BOSCH					AS SHOWN
						J. SWANSON					
						02/28/25					



1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

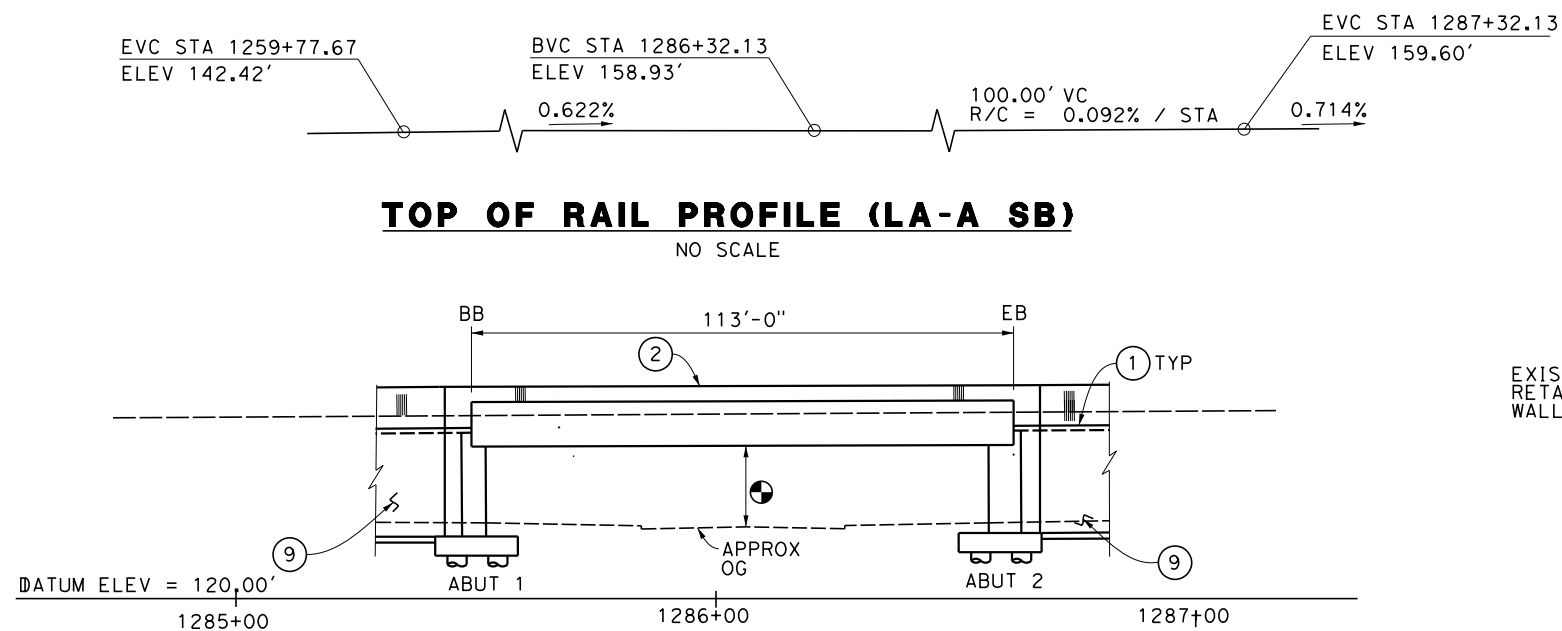
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1"=10' VERT

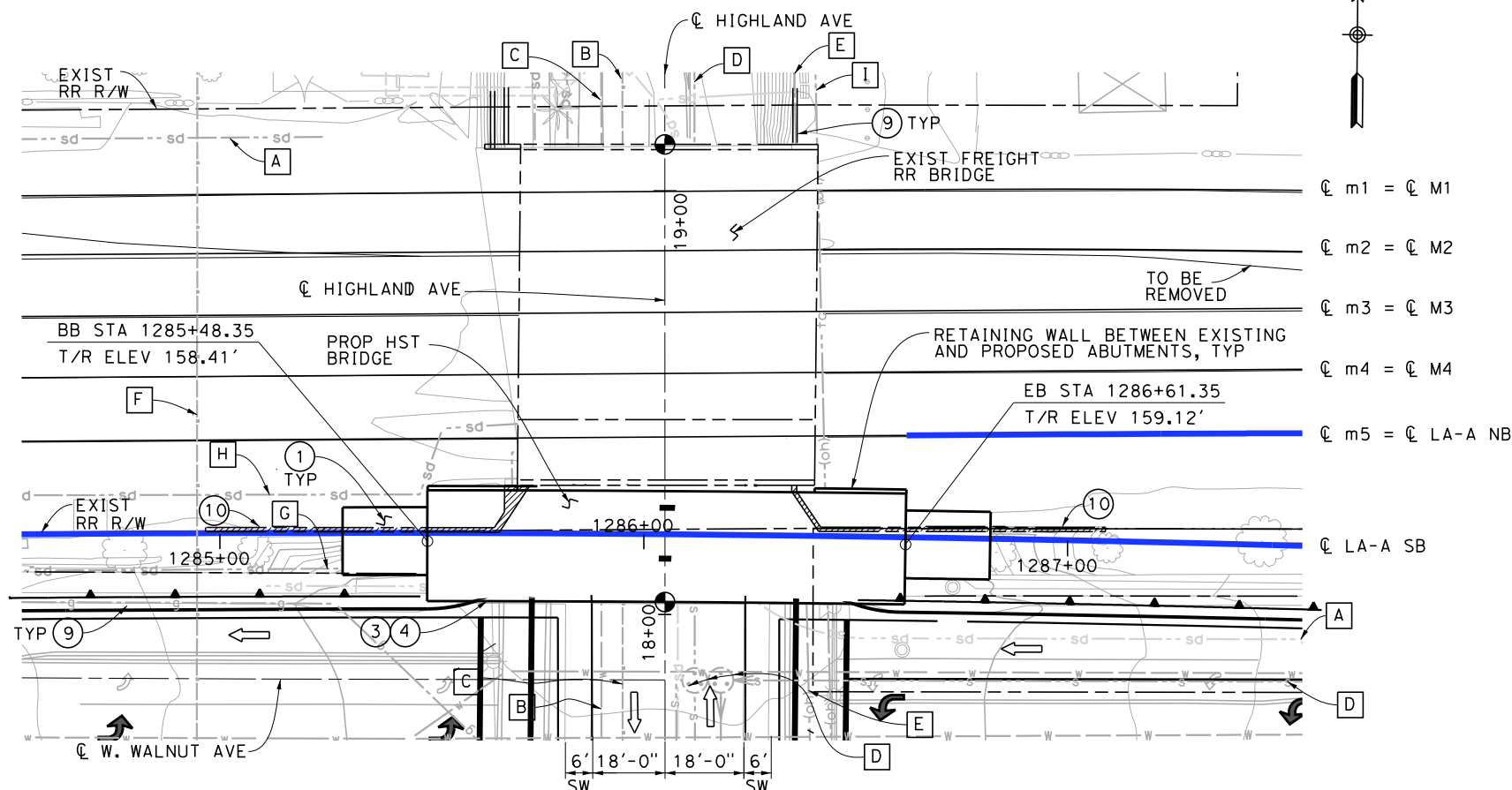
SCALE APPLICABLE FOR FULL SIZE ONLY

						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM	HSR06-0005
					A. CHIANG	CV-T3351					
					A. BOSCH	AS SHOWN					
					J. SWANSON						
					02/28/25						

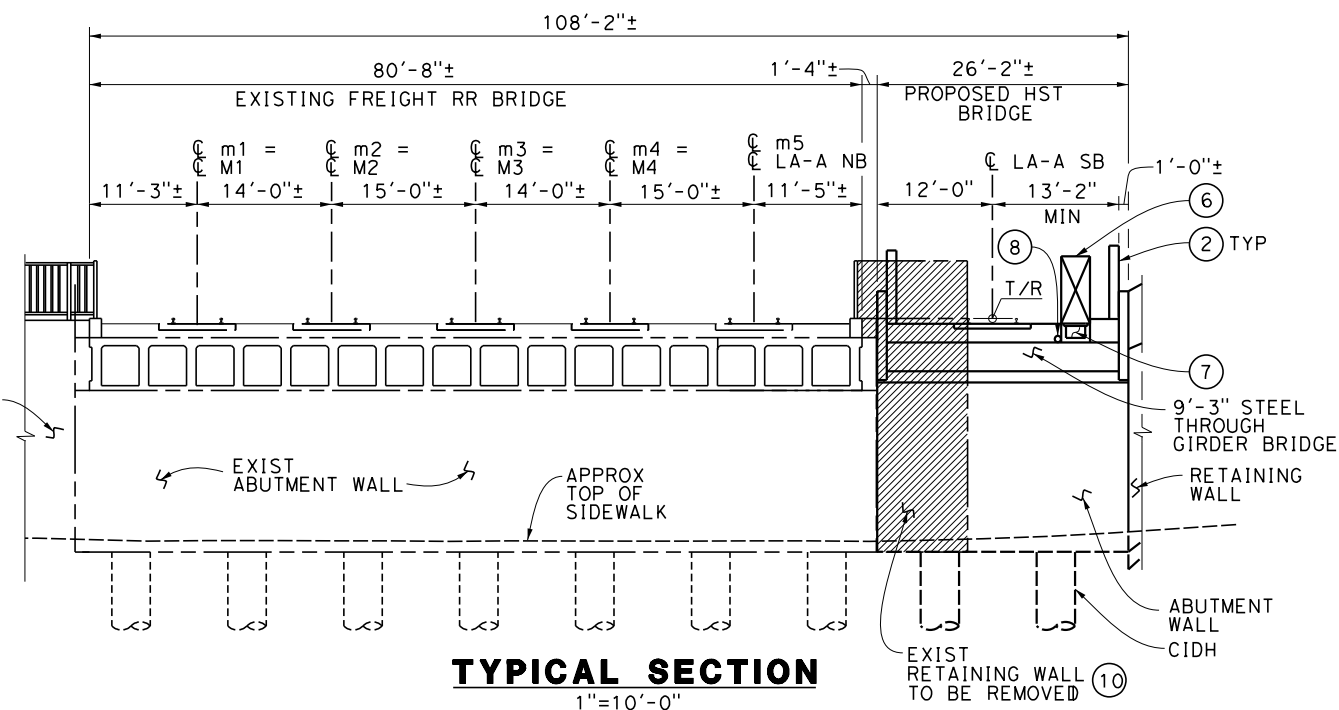
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ELEVATION
1"=20'-0"



PLAN
1"=20'-0"



NOTES:

- 1 STRUCTURE APPROACH SLAB
- 2 PARAPET
- 3 PAINT "BR. NO. XX-XXX"
- 4 PAINT "HIGHLAND AVENUE UNDERPASS"
- 5 ARCHITECTURAL TREATMENT (TO BE DETERMINED)
- 6 WALKWAY (3'-0" WIDE)
- 7 NEW UTILITY DUCT
- 8 DRAINAGE PIPE
- 9 ADJACENT RETAINING WALL (SEE CIVIL PLANS)
- 10 REMOVE EXIST RETAINING WALL

EXISTING UTILITIES:

- A EXIST STORM DRAIN LINE, OCFCD (PROTECT IN PLACE)
- B EXIST 8" DIP WATER, CITY OF FULLERTON (PROTECT IN PLACE)
- C EXIST 16" DIP WATER, CITY OF FULLERTON (PROTECT IN PLACE)
- D EXIST 12" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
- E EXIST ELECTRICAL OVERHEAD, CITY OF FULLERTON (PROTECT IN PLACE)
- F EXIST 8" DIP WATER, CITY OF FULLERTON (PROTECT IN PLACE)
- G EXIST 54" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
- H EXIST 18" RCP 183 LF STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
- I EXIST OVERHEAD TELECOMMUNICATION LINE, CITY OF FULLERTON (PROTECT IN PLACE)

NOTE: FOR UTILITLY NOT SHOWN, SEE VOL. 4 UT-C1598

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (15'-6")
- INDICATES EXISTING POINT OF MINIMUM VERTICAL CLEARANCE (15'-8"±)
- ← INDICATES DIRECTION OF TRAFFIC
- INDICATES EXISTING
- ▨ INDICATES LIMITS OF REMOVAL
- (M) PROPOSED ALIGNMENT
- (m) EXISTING ALIGNMENT

GENERAL NOTES:

1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
2. ELECTRIFIED TRACKS ON PROPOSED HST BRIDGE.

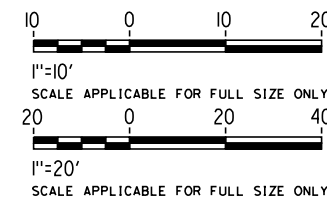
FOUNDATION:

ABUTMENTS: ASSUME 48" Ø CIDH, L = 30'
300 KIPS @ SERVICE

TRAFFIC (PER DAY):

ADT₂₀₀₉: 9,800
ADT₃₅: 14,500

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

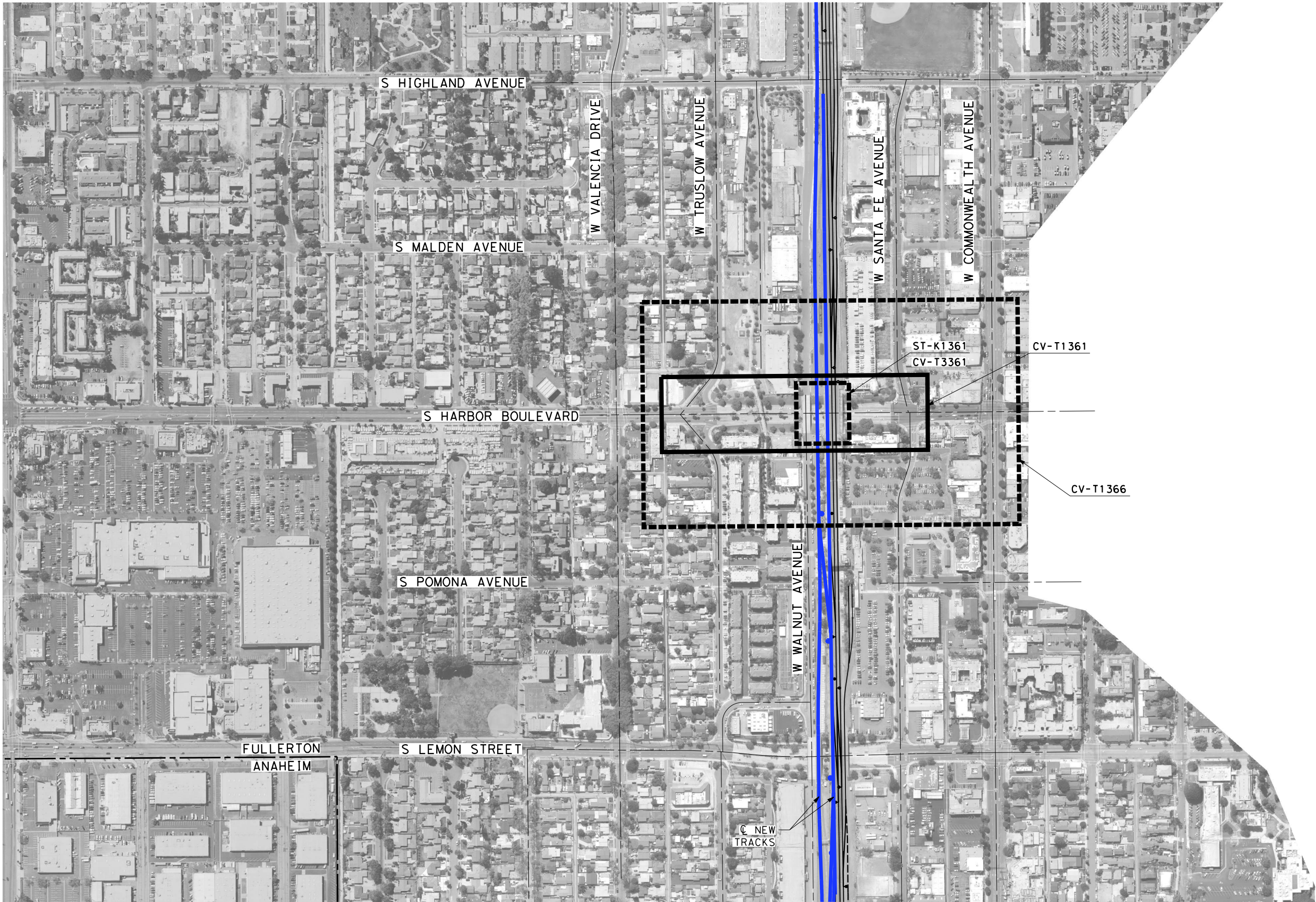
NOT FOR
CONSTRUCTION



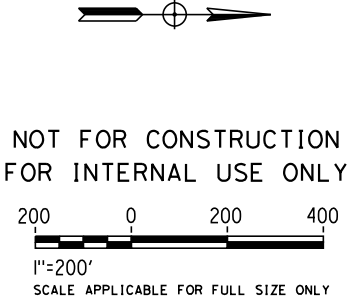
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - HIGHLAND AVENUE
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1351
SCALE AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



PLOTS						DESCRIPTION
REV	DATE	BY	CHK	APP		

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25

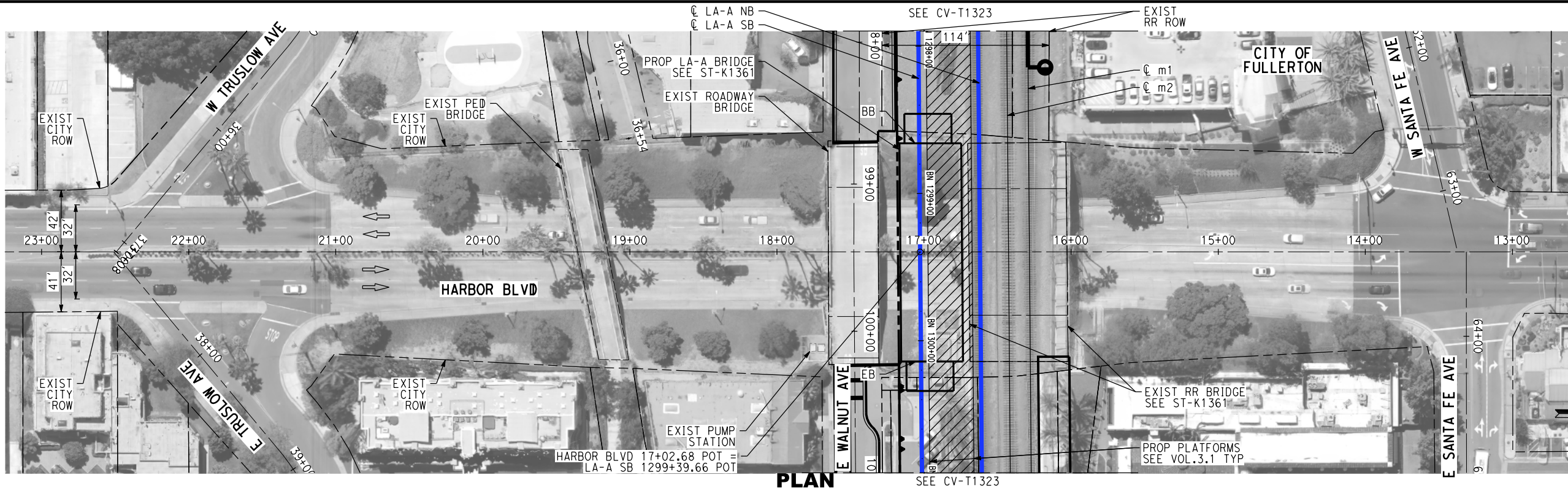
PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

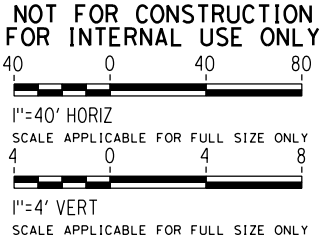


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - HARBOR BLVD
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0361
SCALE
1" = 200'
SHEET NO.

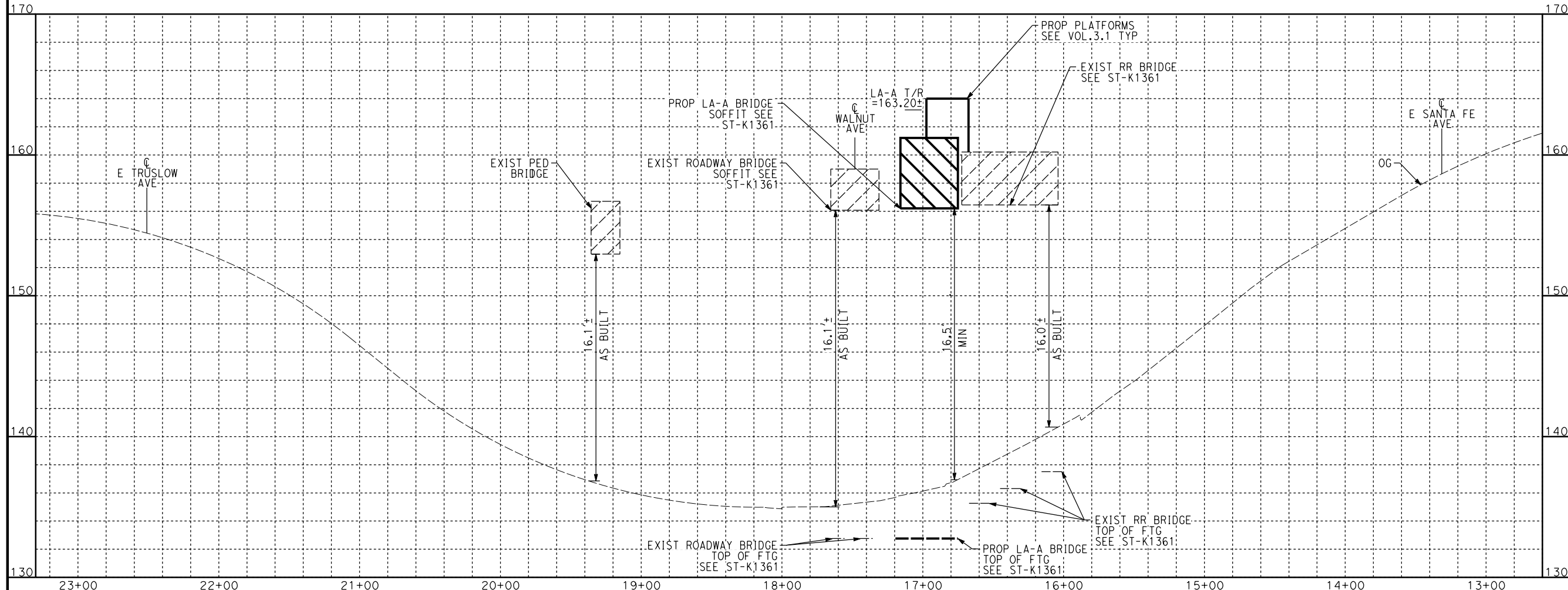


- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



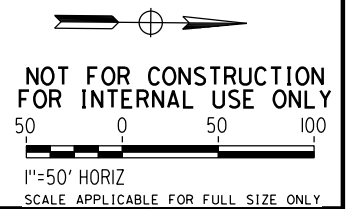
PLAN

SEE CV-T1323



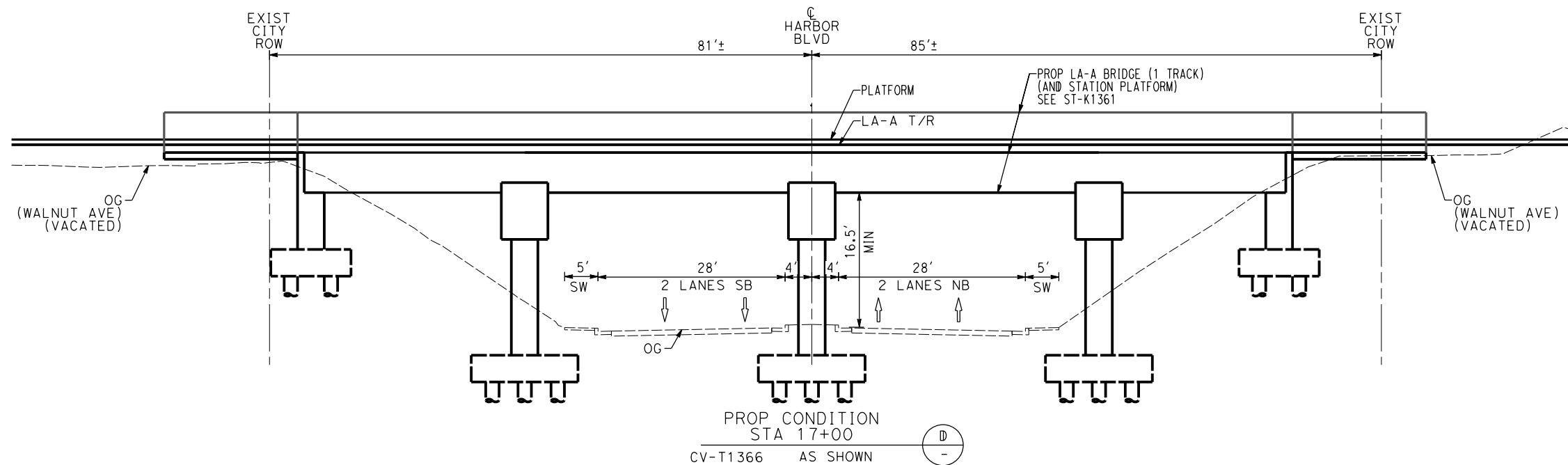
PROFILE

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



										A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HARBOR BLVD IMPACT PLAN - SHEET 1 OF 1	SCALE APPLICABLE FOR FULL SIZE ONLY
										A. CHIANG					HSR06-0005
										A. BOSCH					CV-T1366
										J. SWANSON					AS SHOWN
										02/28/25					

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



**NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY**

10 0 10 20

1"=10' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT

SCALE APPLICABLE FOR FULL SIZE ONLY

						A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY			CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - HARBOR BLVD CROSS SECTION - SHEET 1 OF 1	HSR06-0005
						A. CHIANG					CV-T3361
						A. BOSCH					AS SHOWN
						J. SWANSON					
						02/28/25	NOT FOR CONSTRUCTION				

