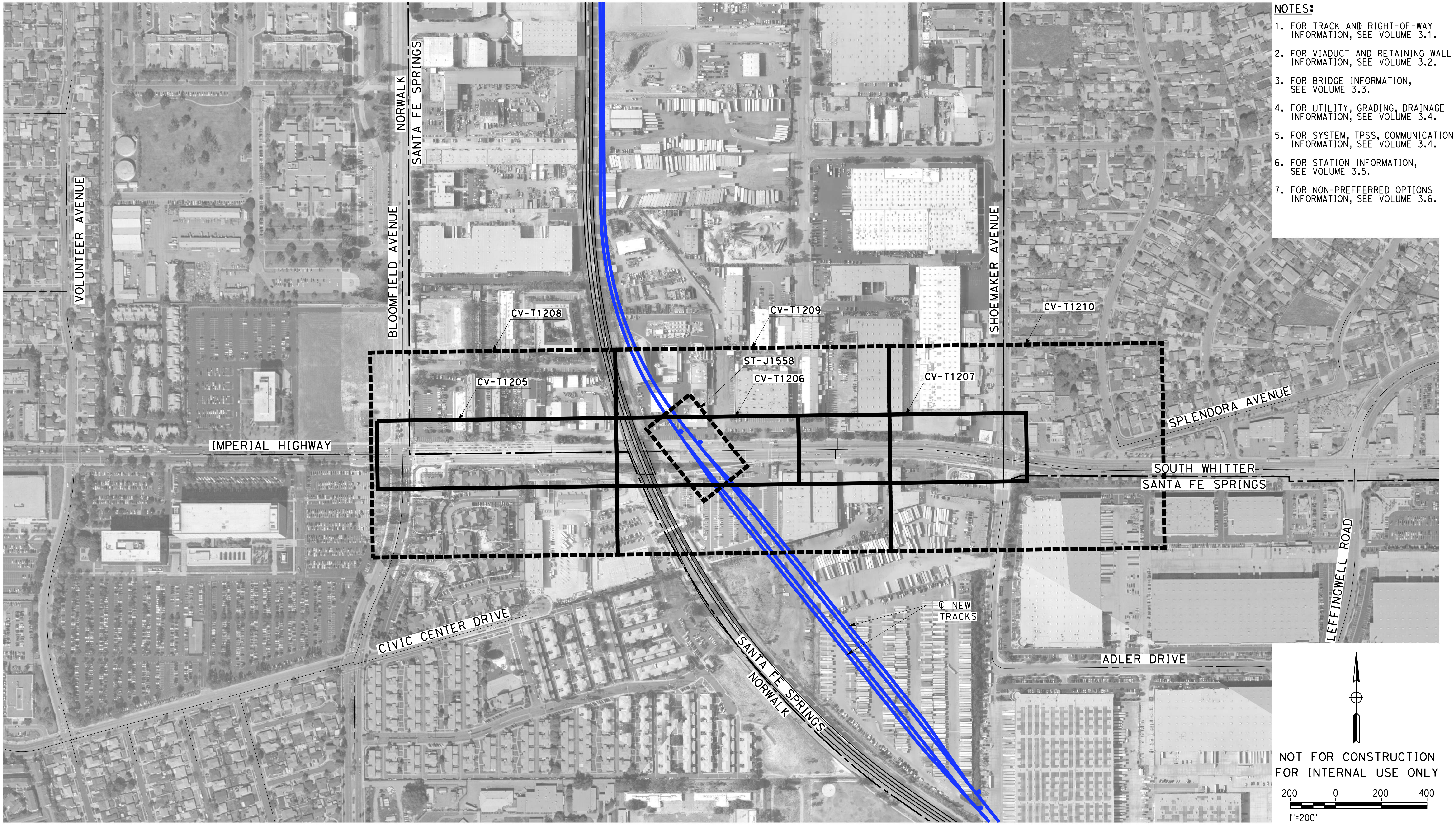


NOTES:

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-PREFFERRED 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

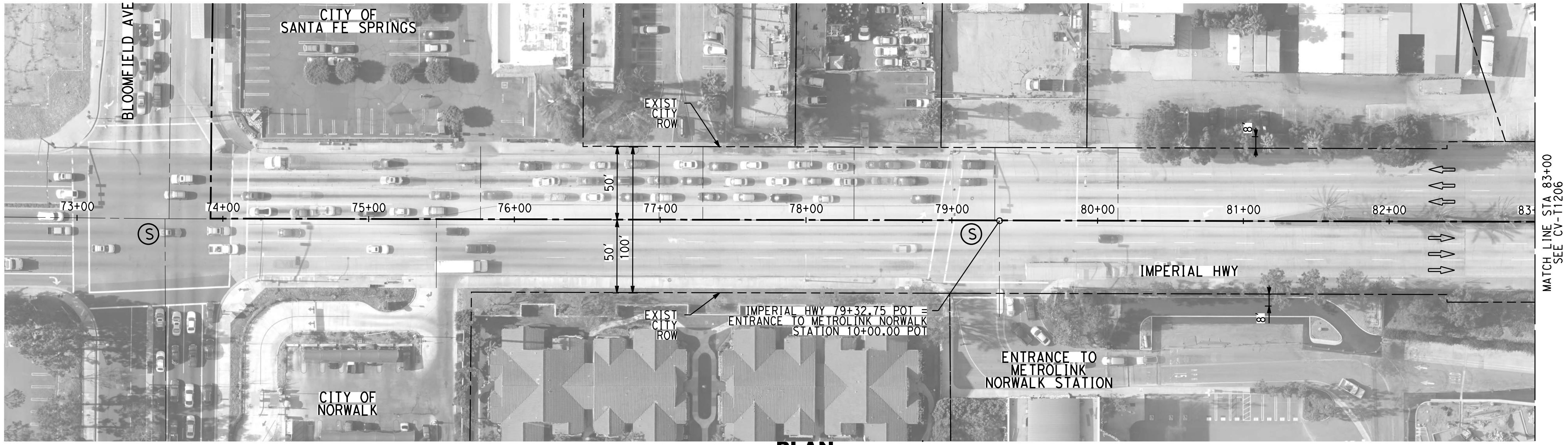
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

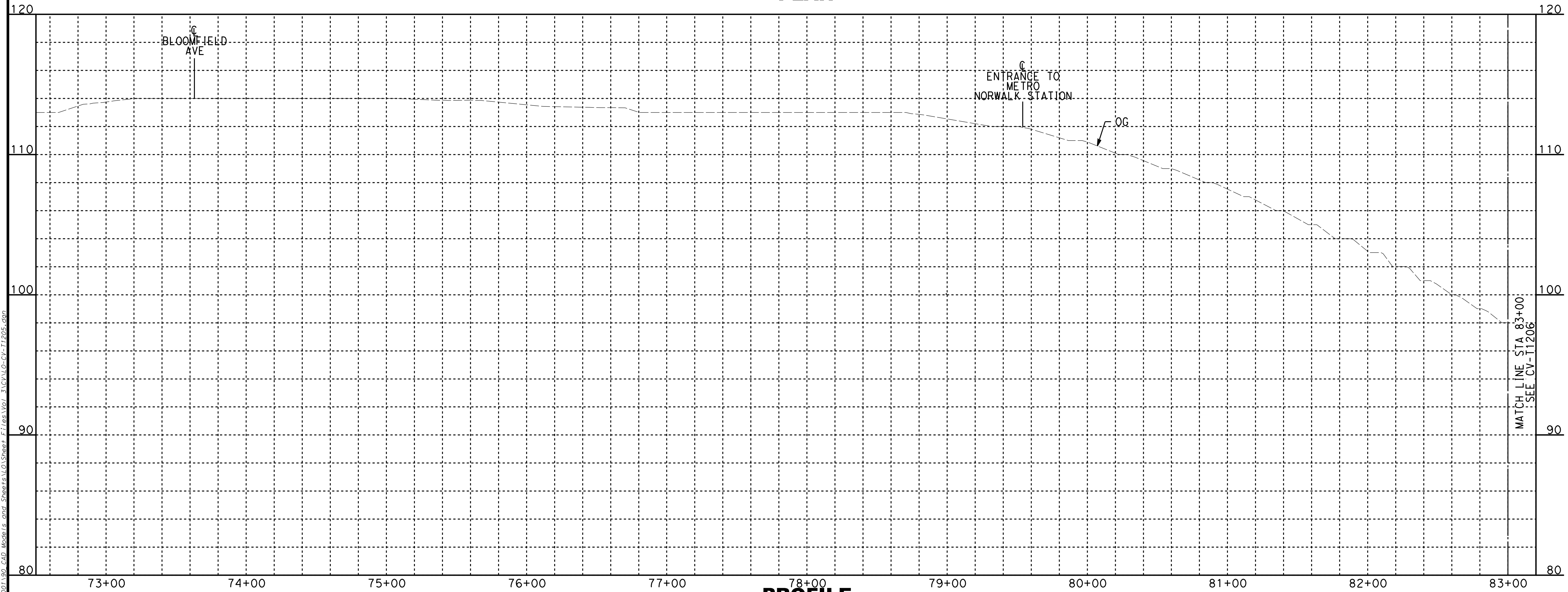
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
ORIENTATION MAP

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T0205
SCALE 1" = 200'
SHEET NO.

$PLOT$



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-PREFFERRED 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

ChiangM 2/5/2025 7:55:55 PM CHSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

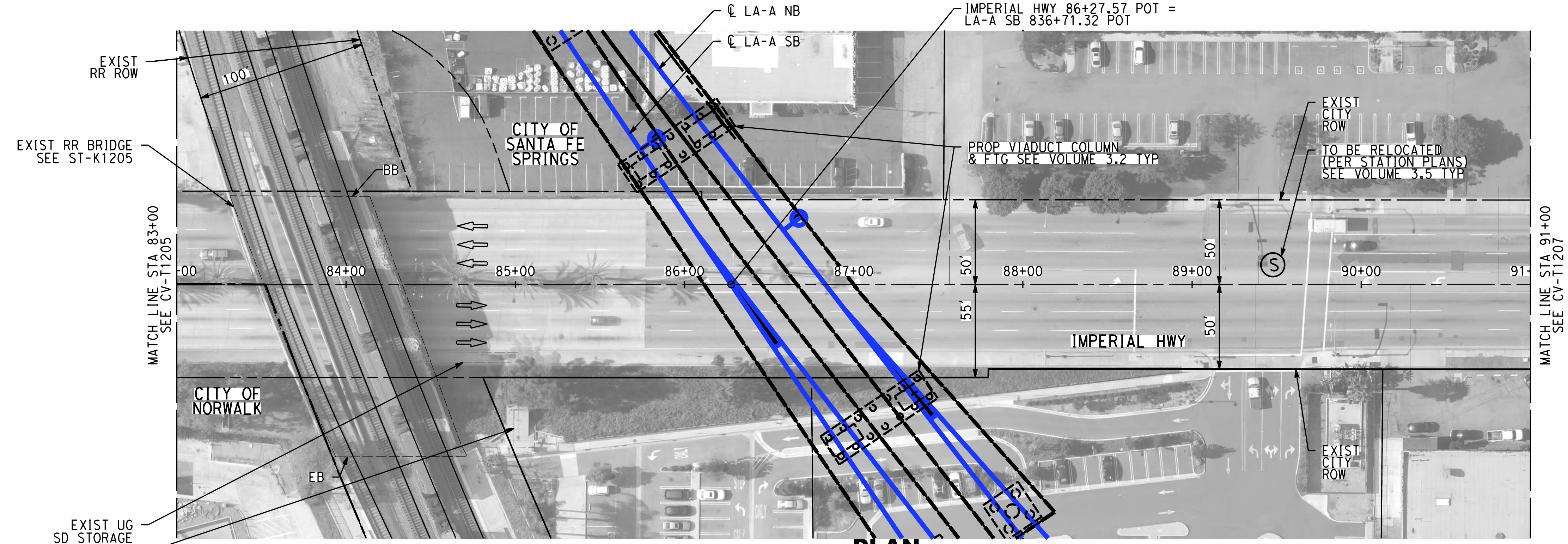
DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
08/29/25

stv

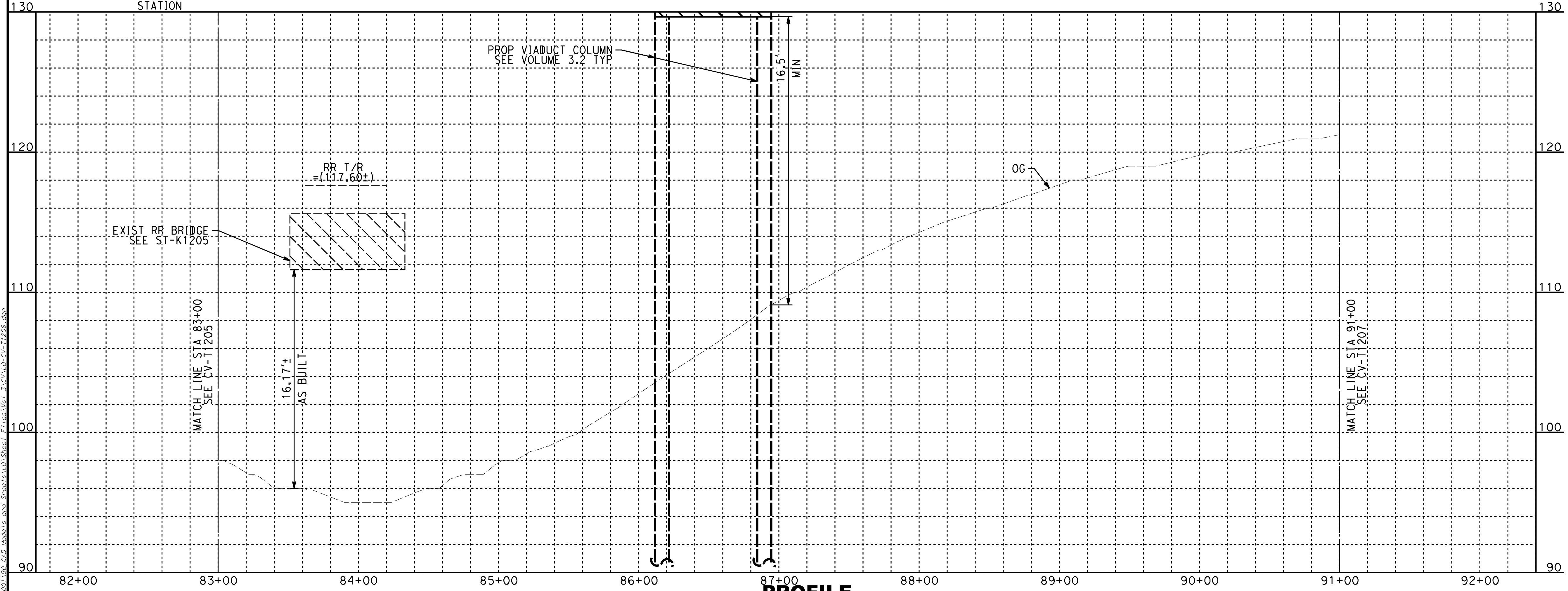
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



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.
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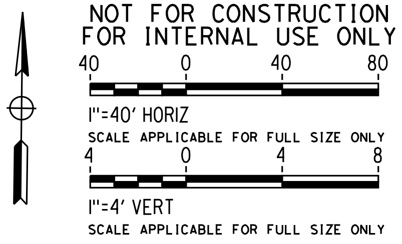
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR AERIAL STRUCTURAL, SEE VOLUME 3.2.

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

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 - 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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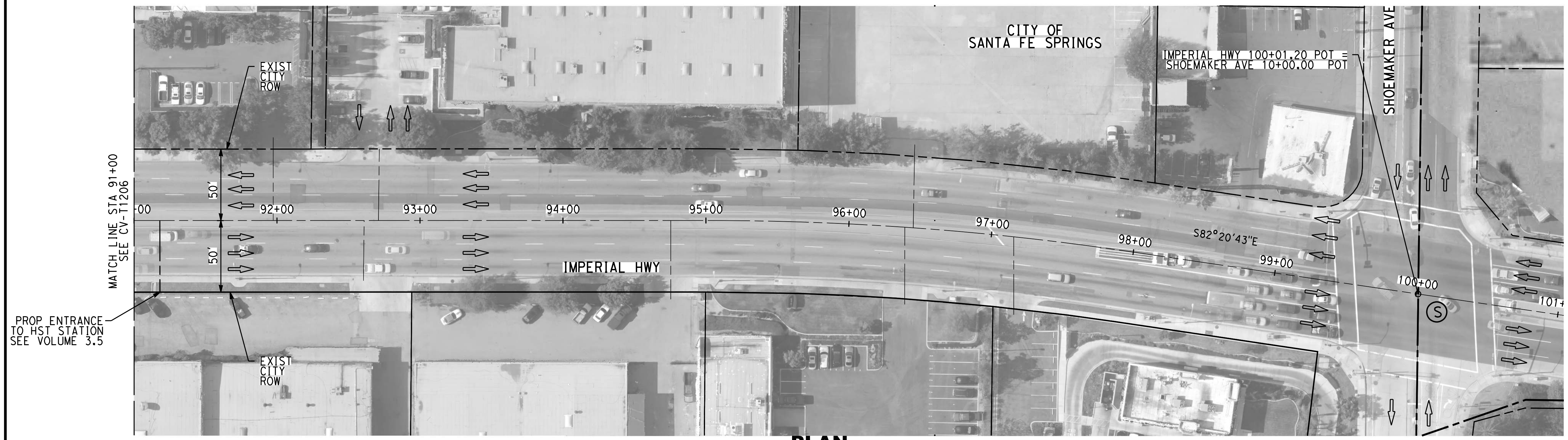
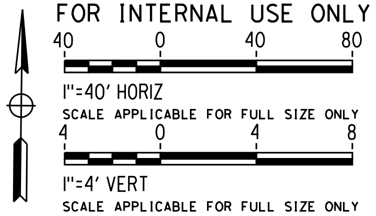
NOTES:

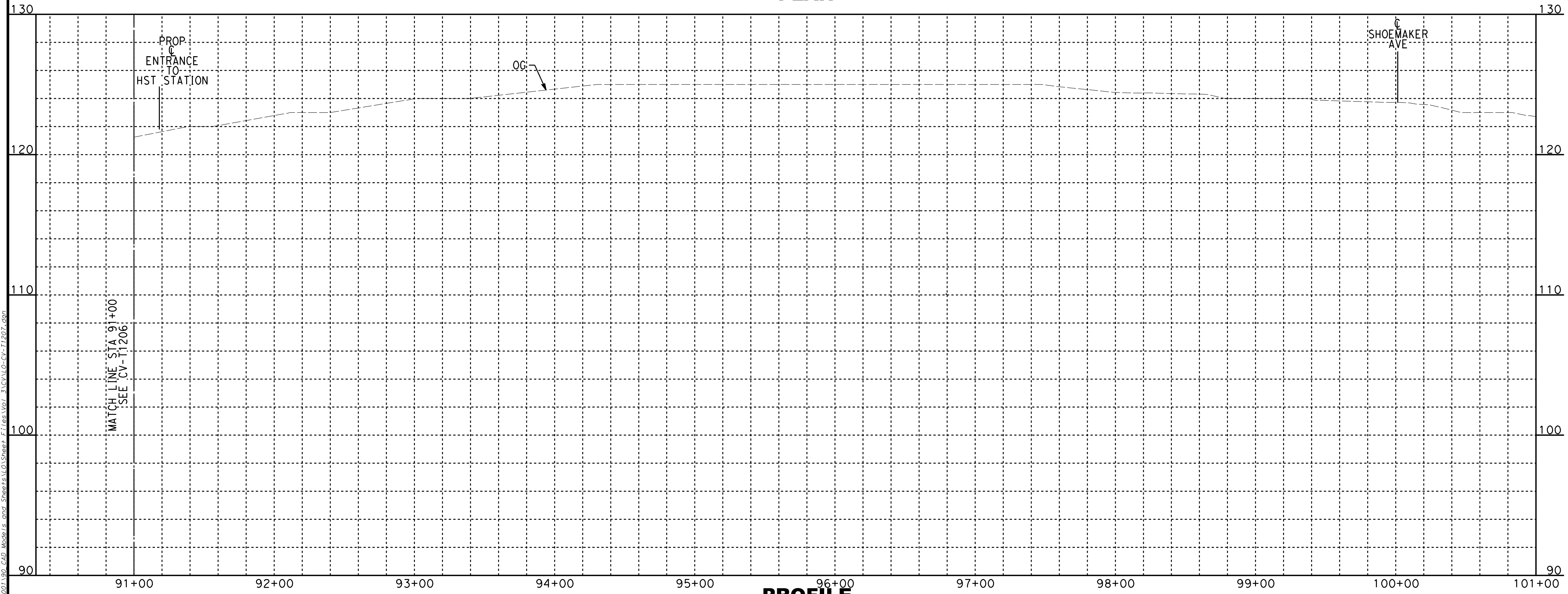
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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



PLAN

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

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 - IMPERIAL HIGHWAY
PLAN AND PROFILE - SHEET 3 OF 3

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

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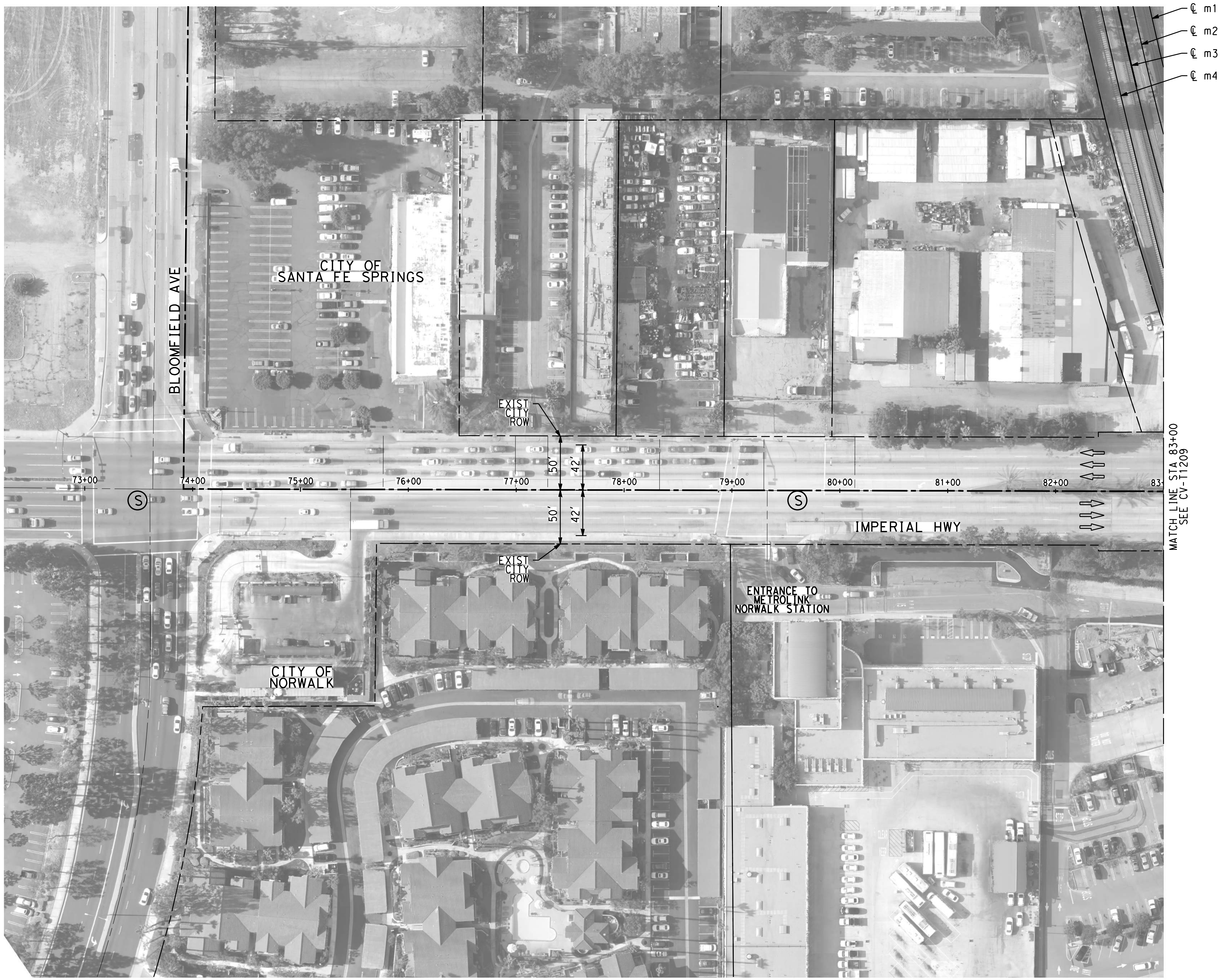
NOTES:

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-PREFFERRED 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

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 - IMPERIAL HIGHWAY
IMPACT PLAN - SHEET 1 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1208
SCALE AS SHOWN
SHEET NO.

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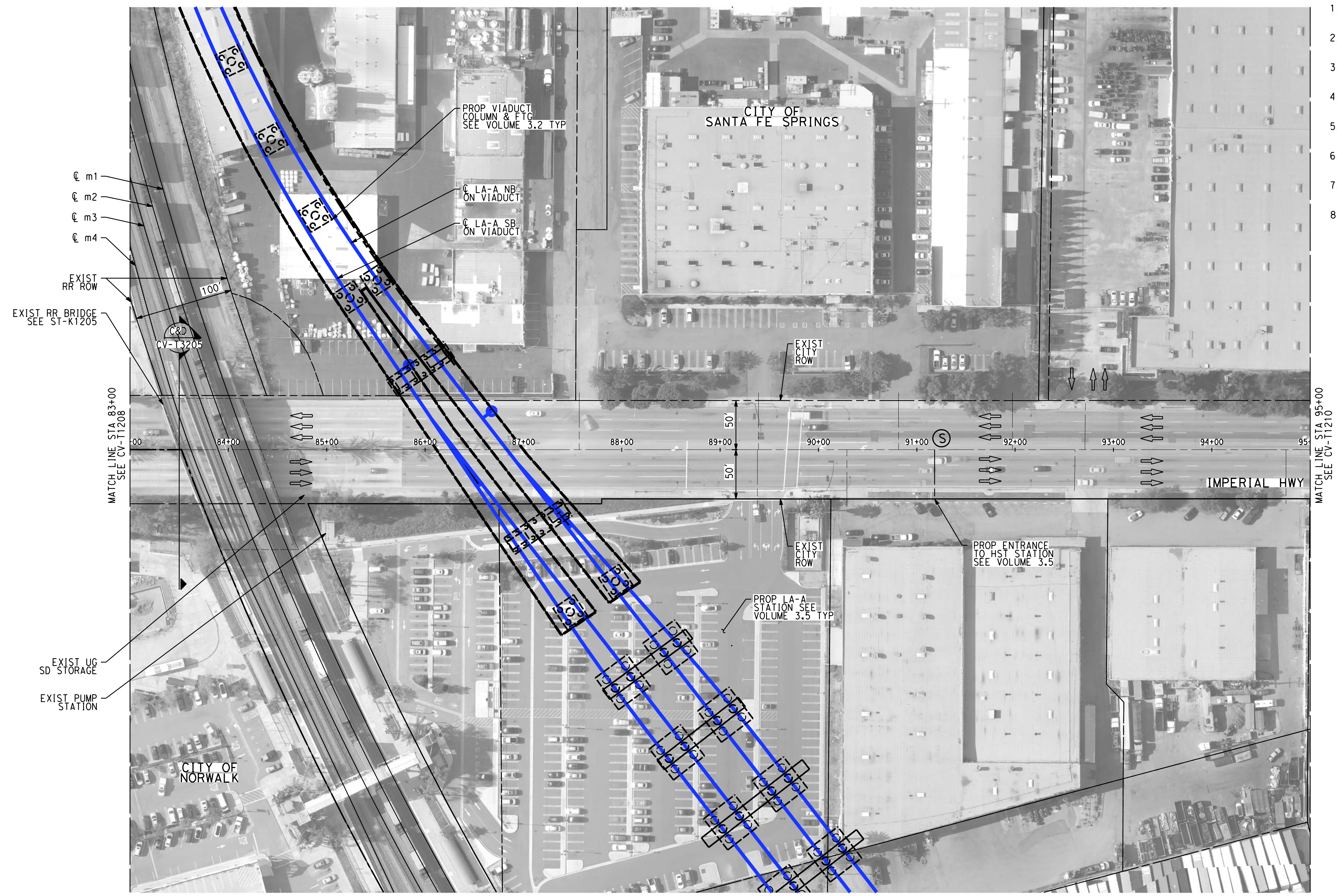

NOTES:

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR AERIAL STRUCTURAL, SEE VOLUME 3.2.

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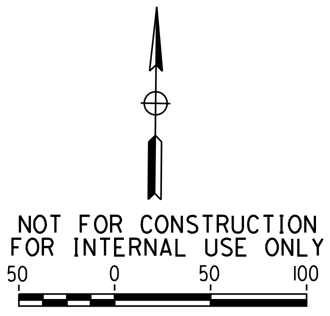

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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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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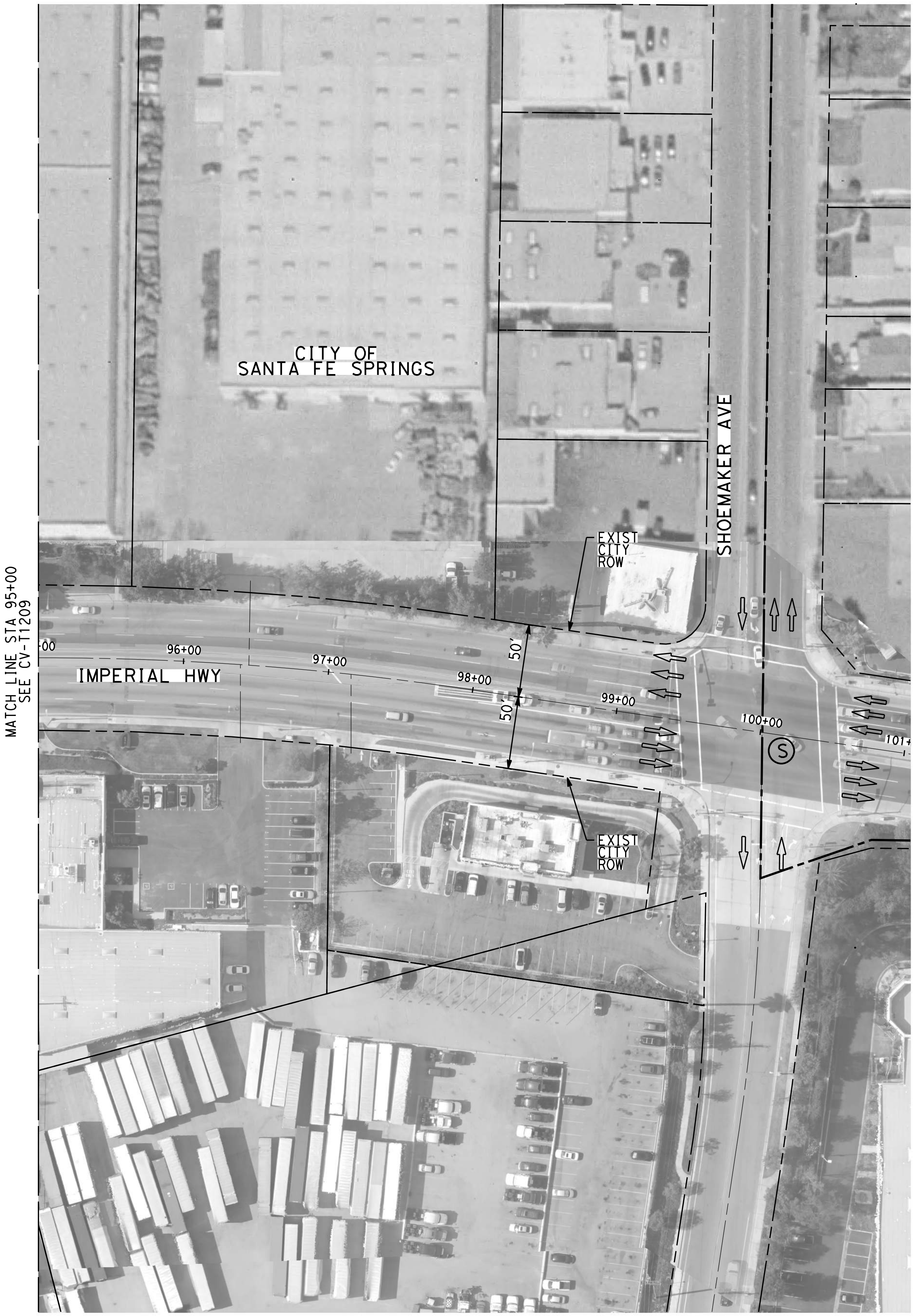
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

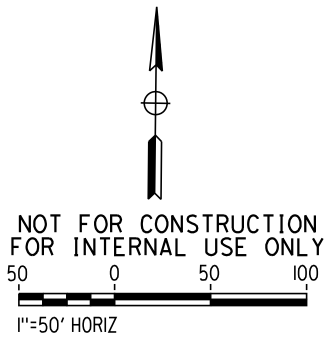
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - IMPERIAL HIGHWAY
IMPACT PLAN - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1209
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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

SCALE APPLICABLE FOR FULL SIZE ONLY

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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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SUBMITTAL
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USE ONLY**

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CONSTRUCTION**

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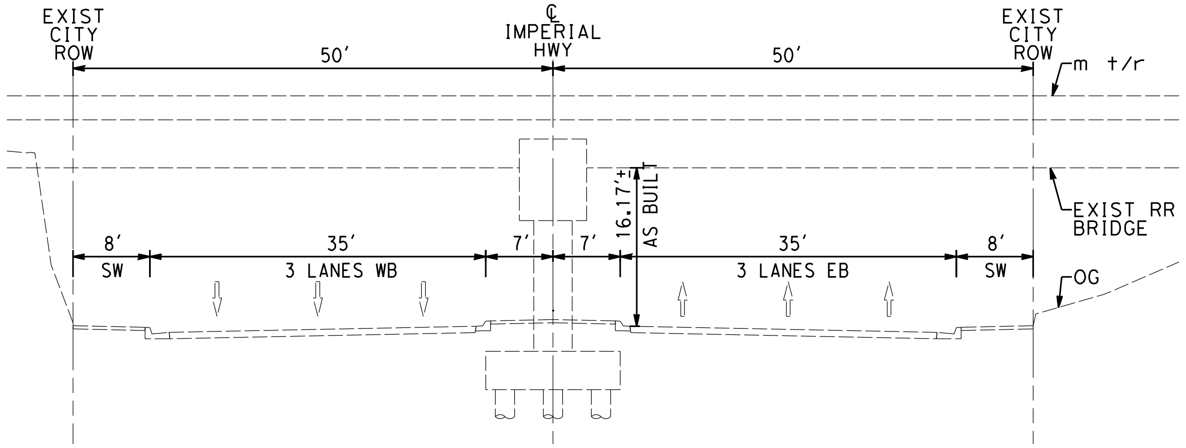
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1210
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 83+50
CT1209 AS SHOWN
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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-PREFFERRED 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

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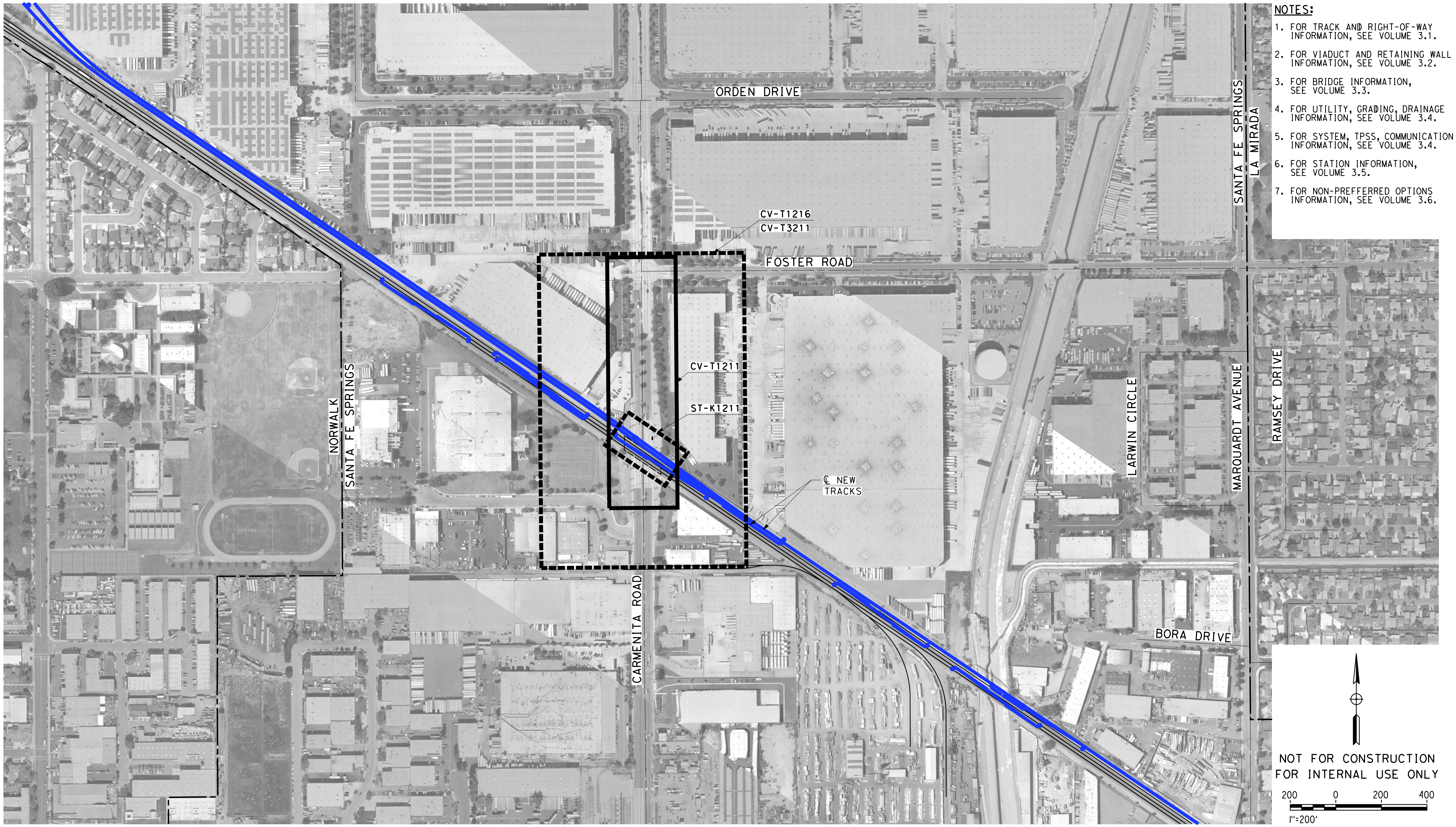
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - 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-PREFFERRED 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
08/29/25/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

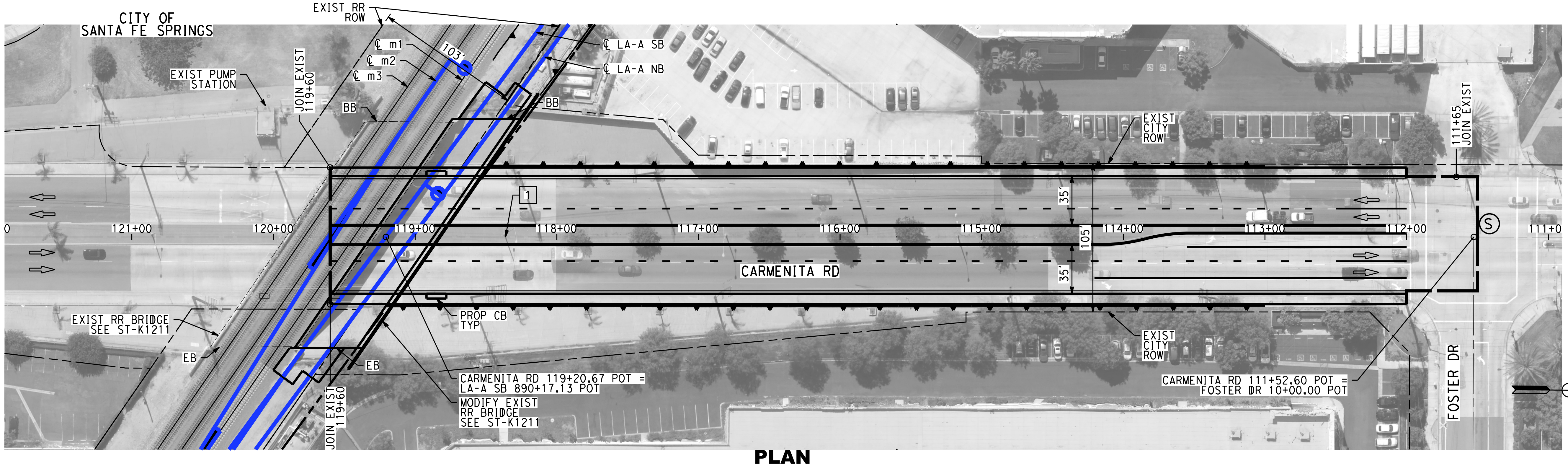
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - CARMENITA RD
ORIENTATION MAP

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

$PLOT$

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



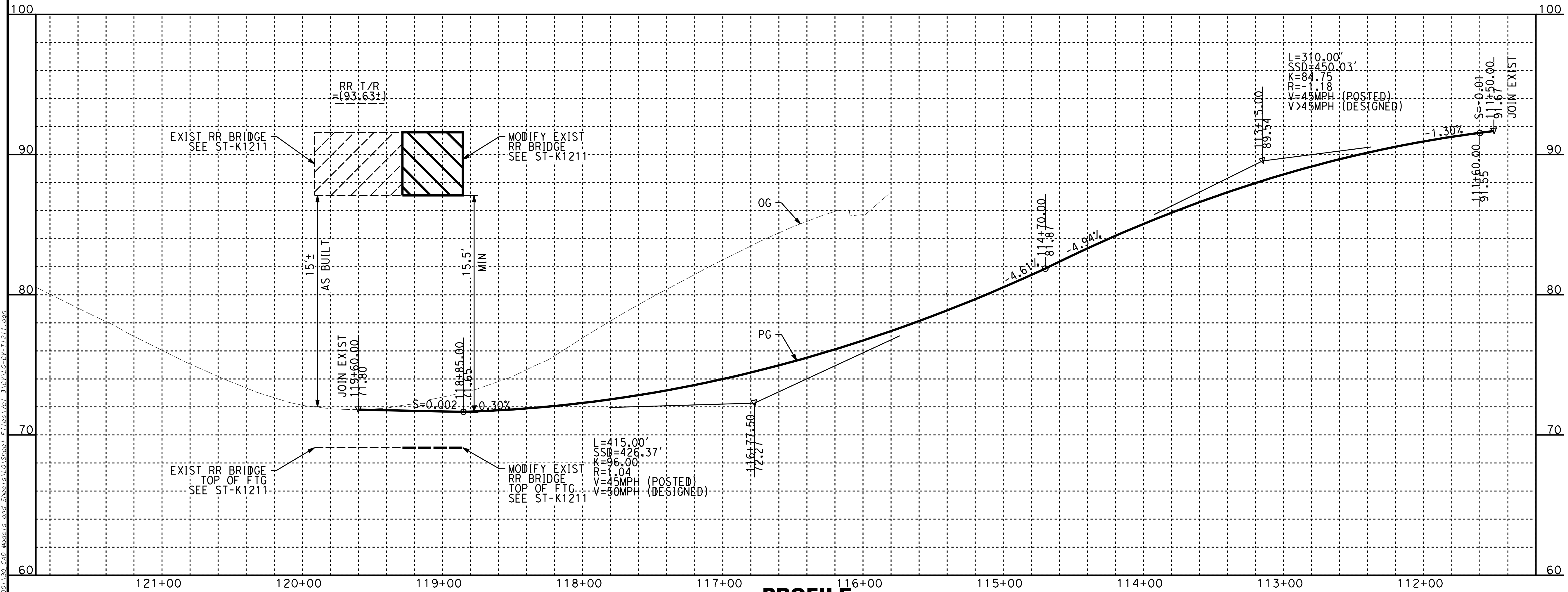
PLAN

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

LINE DATA

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



PROFILE

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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

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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 - CARMENITA RD
PLAN AND PROFILE - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1211
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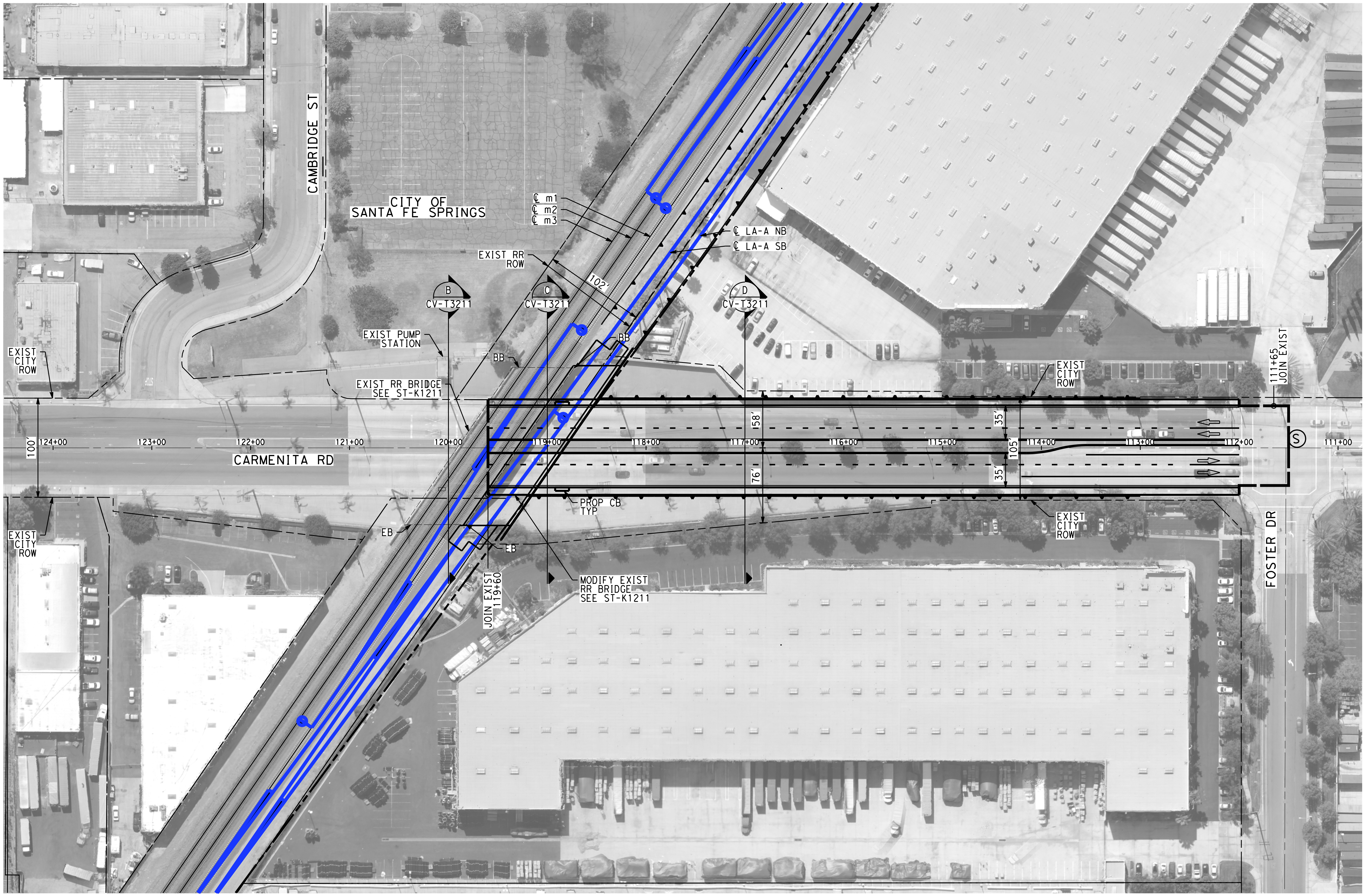

NOTES:

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-PREFFERRED 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

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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**

stv

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
IMPACT PLAN - SHEET 1 OF 1

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.
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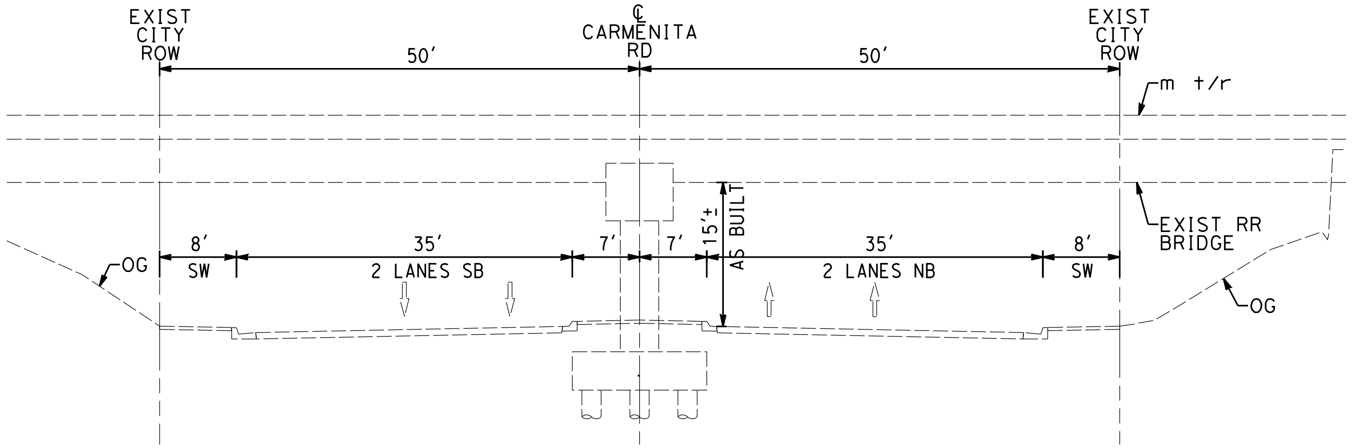
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



EXIST CONDITION
STA 120+00
CT1216 AS SHOWN
B
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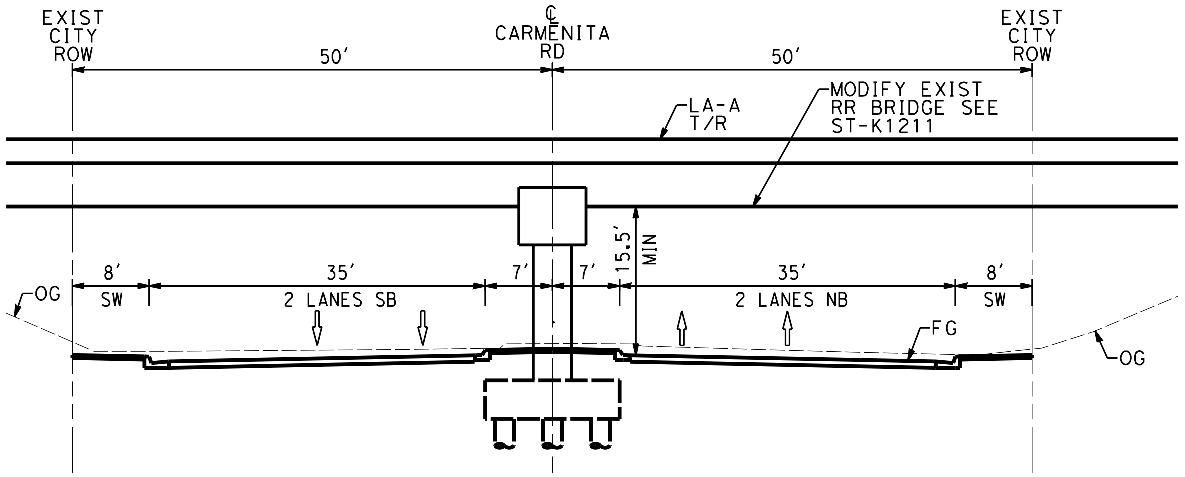

PROP CONDITION
STA 119+00
CT1216 AS SHOWN
C
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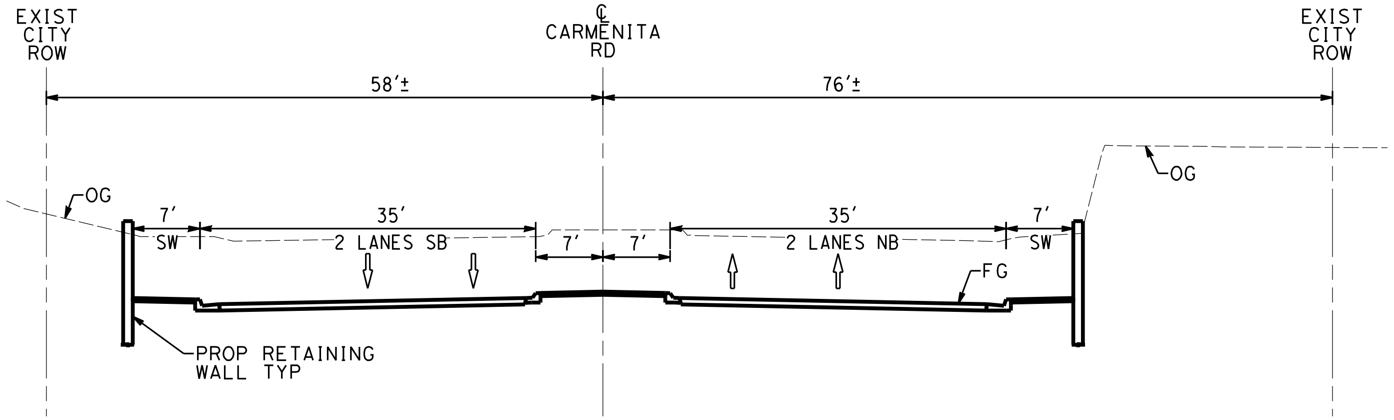

PROP CONDITION
STA 117+00
CT1216 AS SHOWN
D
-

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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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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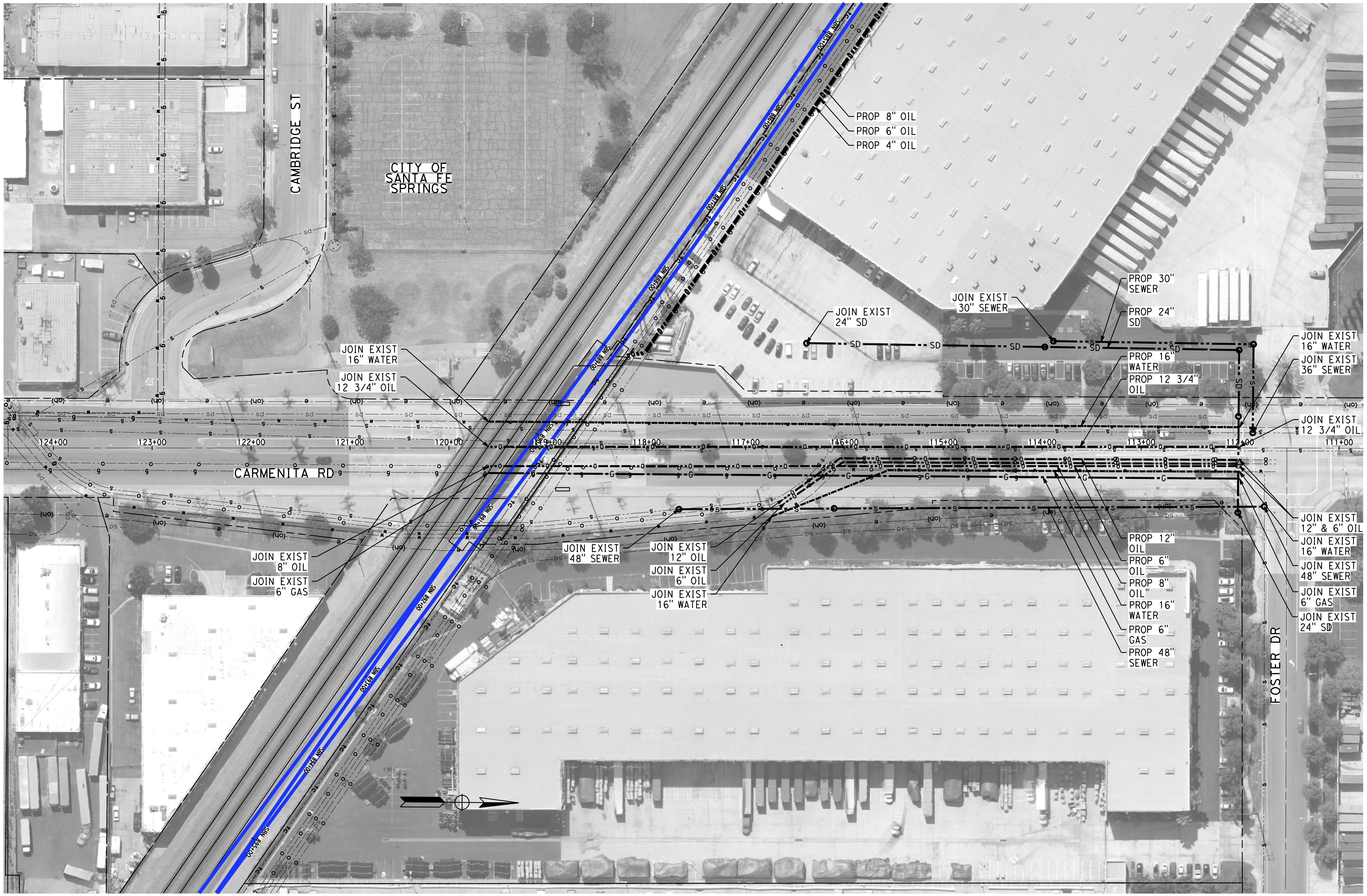
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3211
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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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50 0 50 100

1"=50' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

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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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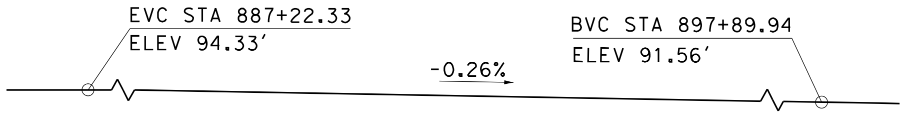
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

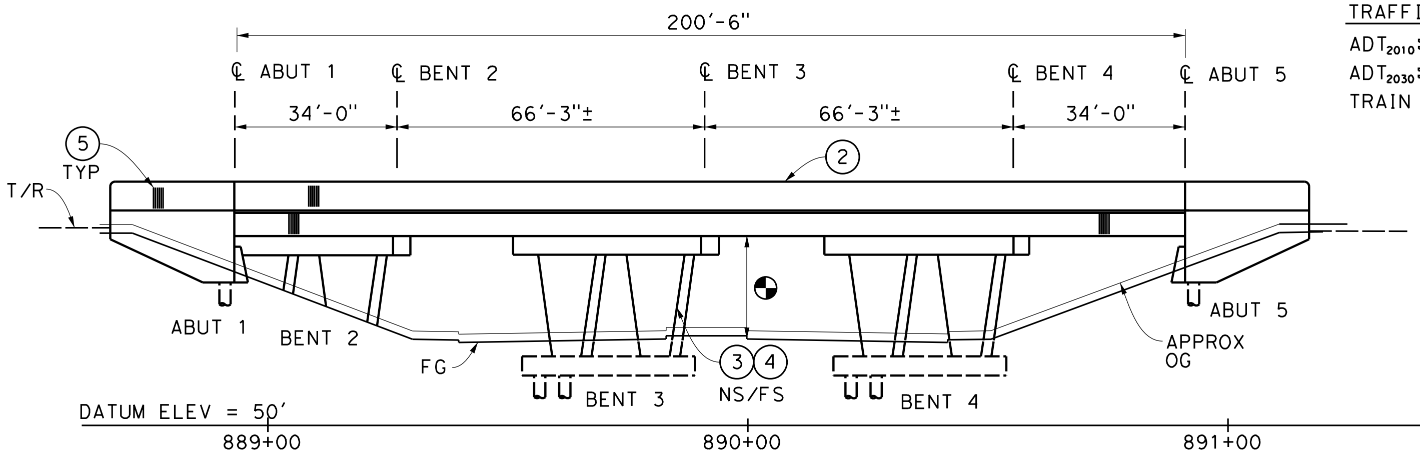
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - CARMENITA RD
UTILITY PLAN - SHEET 1 OF 1

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



PROFILE GRADE (LA-A SB)

NO SCALE



MIRROR ELEVATION

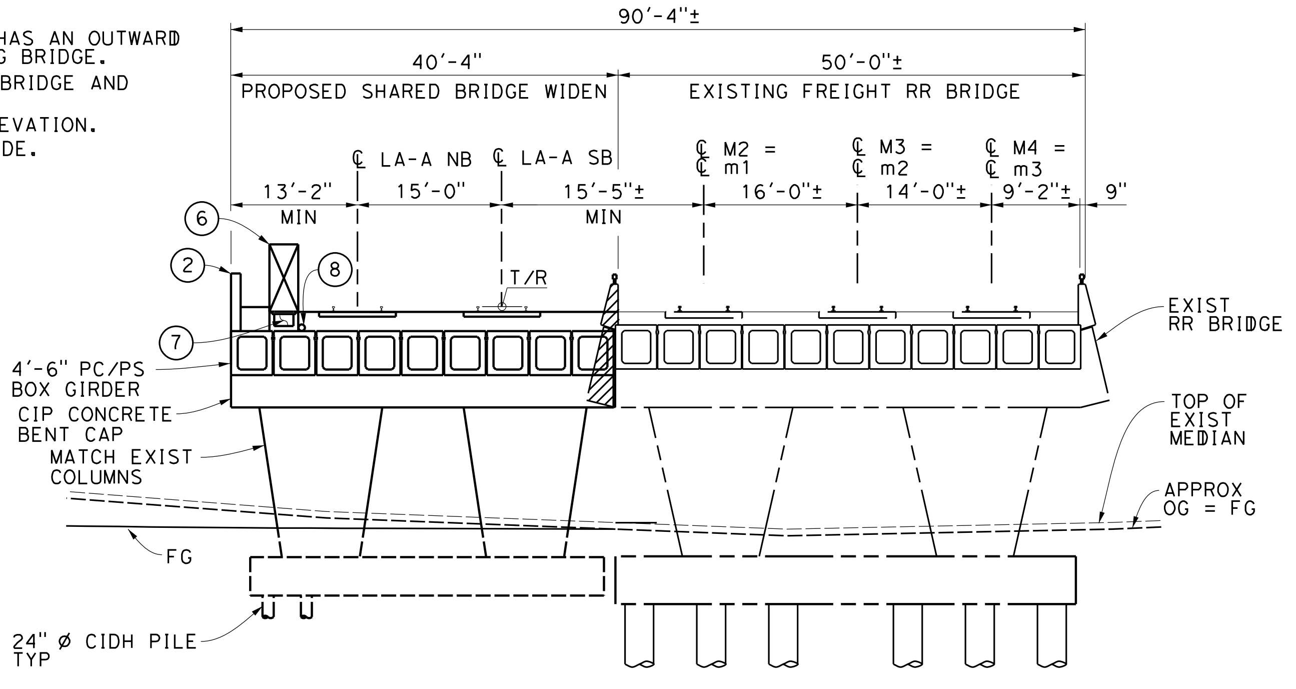
1"=20'

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):

ADT_{2010}: N/A
ADT_{2030}: N/A
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK



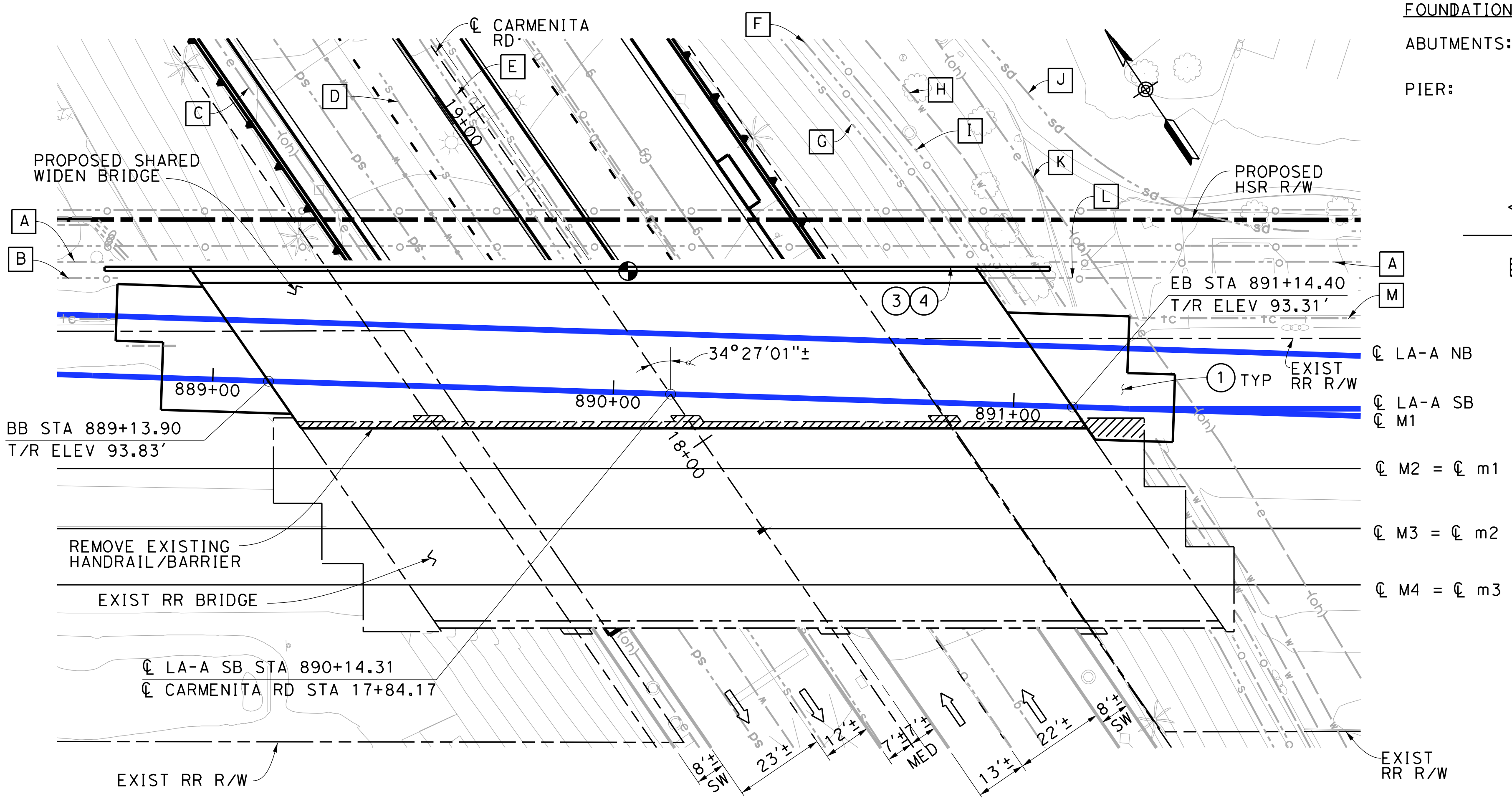
TYPICAL SECTION

1"=10'

FOUNDATION:

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

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



PLAN

1"=20'

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

NOTES:

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

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 UTLILTIES CALLED OUT. SEE VOL 4 UT-C1567 AND UT-D1567 FOR COMPLETE LIST.

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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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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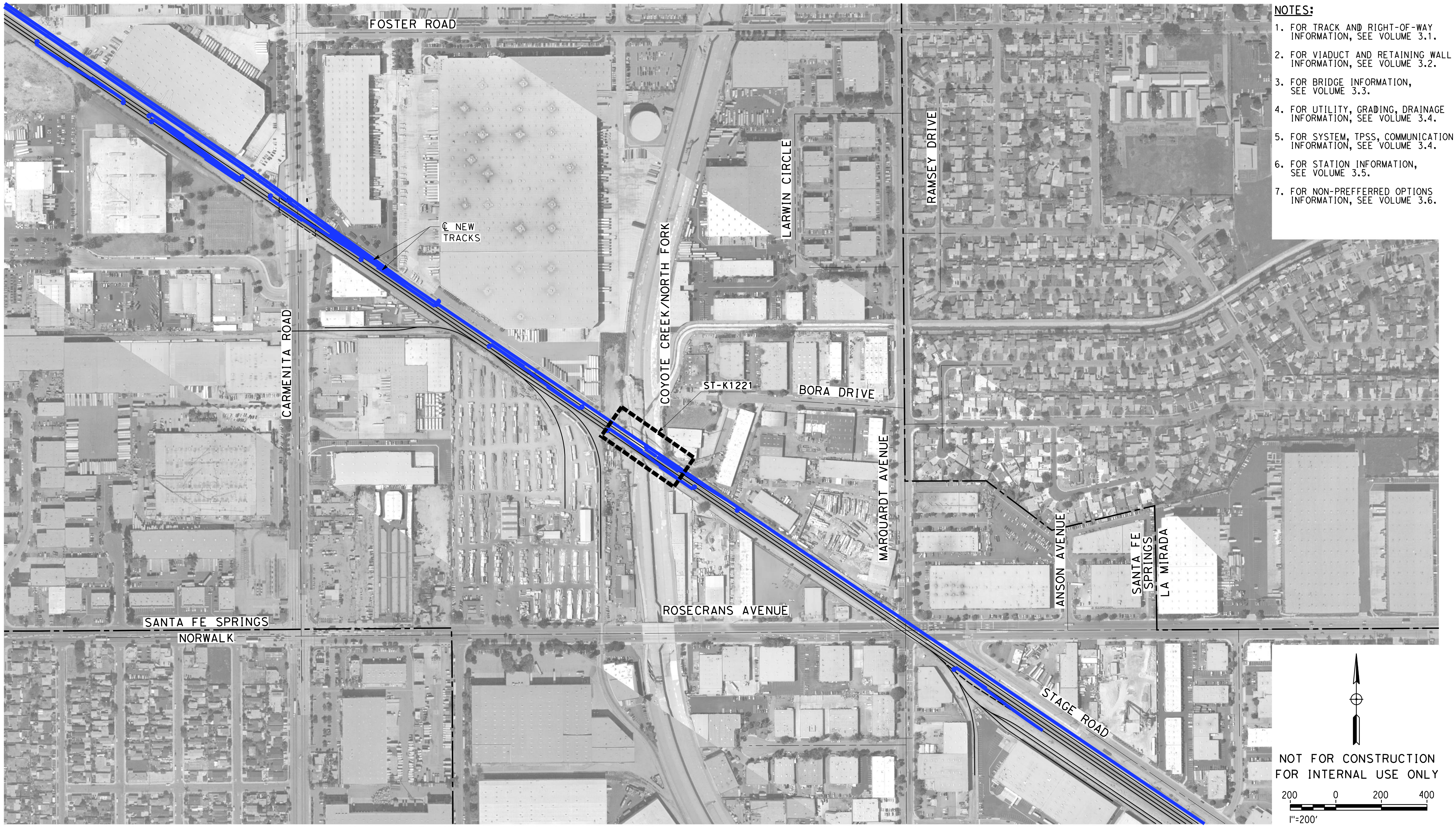
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - 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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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FOR INTERNAL USE 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

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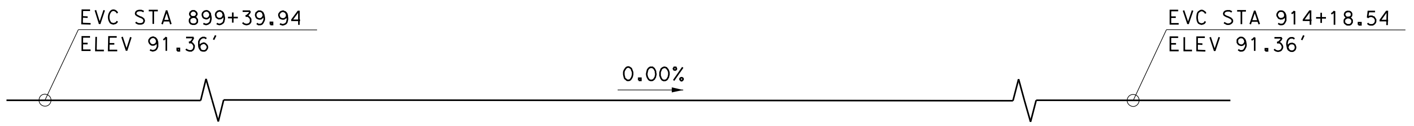
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

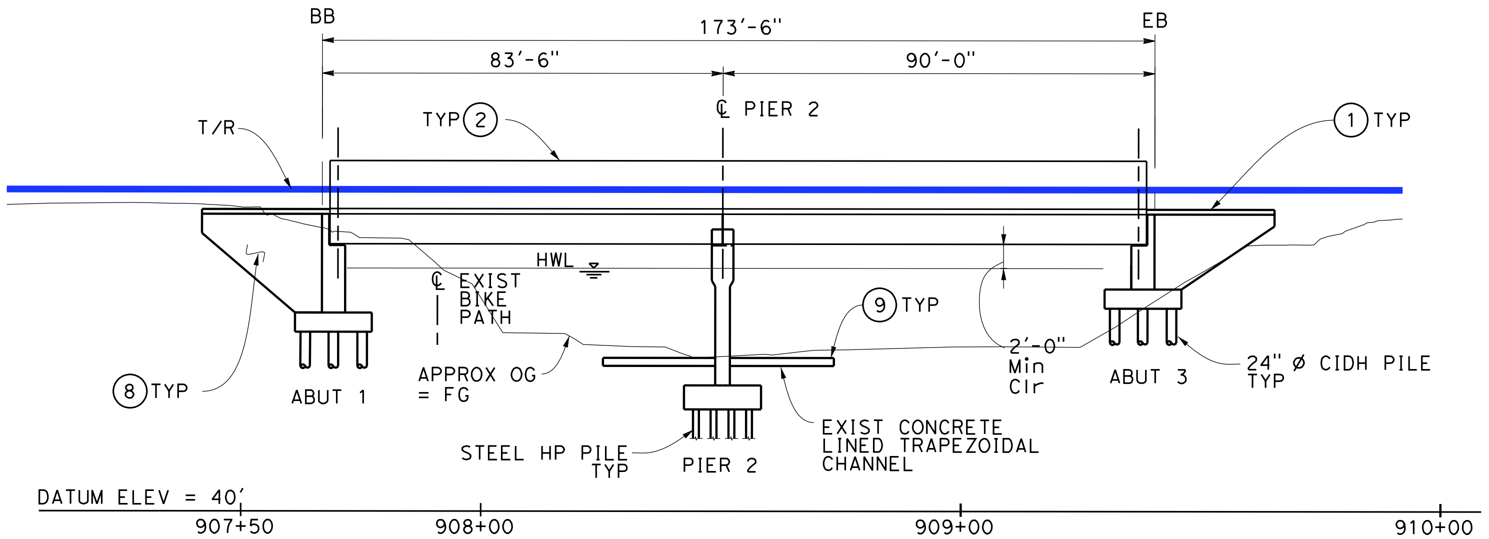
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0221
SCALE
1" = 200'
SHEET NO.

$PLOT$



TOP OF RAIL PROFILE (M1)

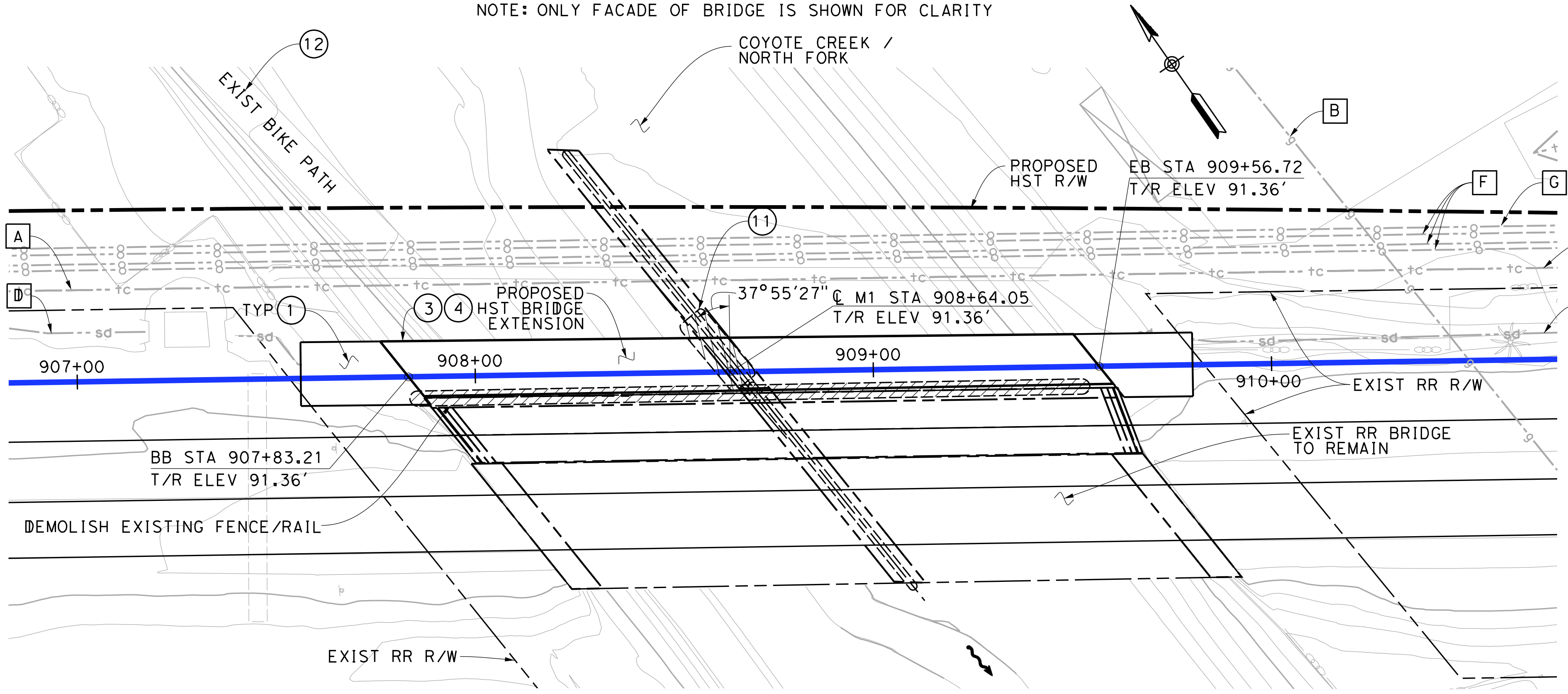
NO SCALE



MIRROR ELEVATION

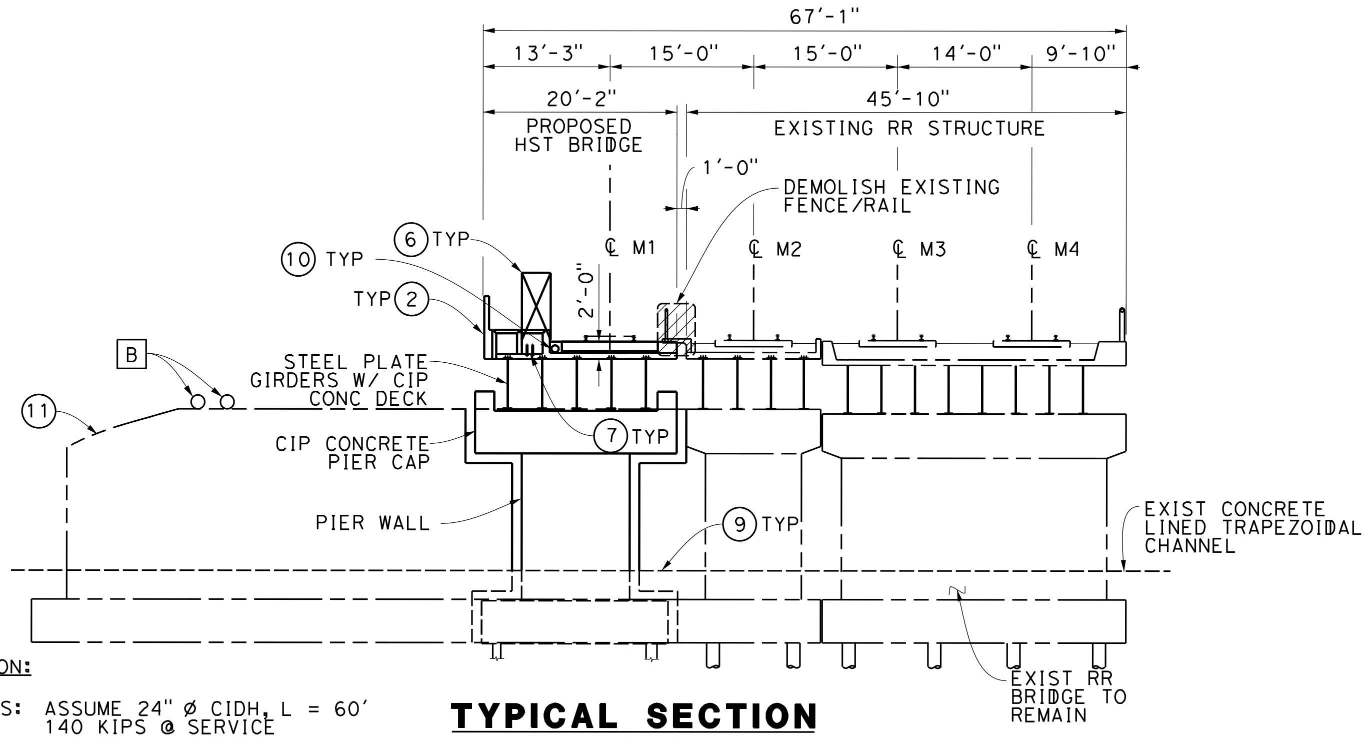
1″=20′-0″

NOTE: ONLY FACADE OF BRIDGE IS SHOWN FOR CLARITY



PLAN

1″=20′-0″



TYPICAL SECTION

1″=10′

FOUNDATION:

ABUTMENTS:	ASSUME 24″ ⌀ CIDH, L = 60′ 140 KIPS @ SERVICE
PIER:	ASSUME STEEL HP PILES, L = 80′ 280 KIPS @ NOMINAL

NOTES:

① STRUCTURE APPROACH SLAB
② PARAPET
③ PAINT "BR. NO. MP 157.6"
④ PAINT "COYOTE CREEK/NORTH FORK BRIDGE"
⑤ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
⑥ WALKWAY (3′-0″ WIDE)
⑦ DUCT BANK
⑧ WINGWALL
⑨ REMOVE & REPLACE CONCRETE CHANNEL LINING FOR PIER 2 CONSTRUCTION
⑩ DRAINAGE PIPE
⑪ REMOVE PART OF PIER WALL
⑫ EXISTING BIKE PATH TO BE RELOCATED/REGRADED BY OTHERS

LEGEND:

– – –	INDICATES EXISTING FEATURES
⟿	INDICATES DIRECTION OF FLOW
▨	LIMITS OF EXIST BRIDGE REMOVAL
▽	INDICATES HIGH WATER LEVEL (100 YEAR STORM)

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 VOLUME$_{2030}$:	118	FREIGHT
	60	METROLINK
	40	AMTRAK

10 0 10 20
1″=10′
SCALE APPLICABLE FOR FULL SIZE ONLY

20 0 20 40
1″=20′
SCALE APPLICABLE FOR FULL SIZE ONLY

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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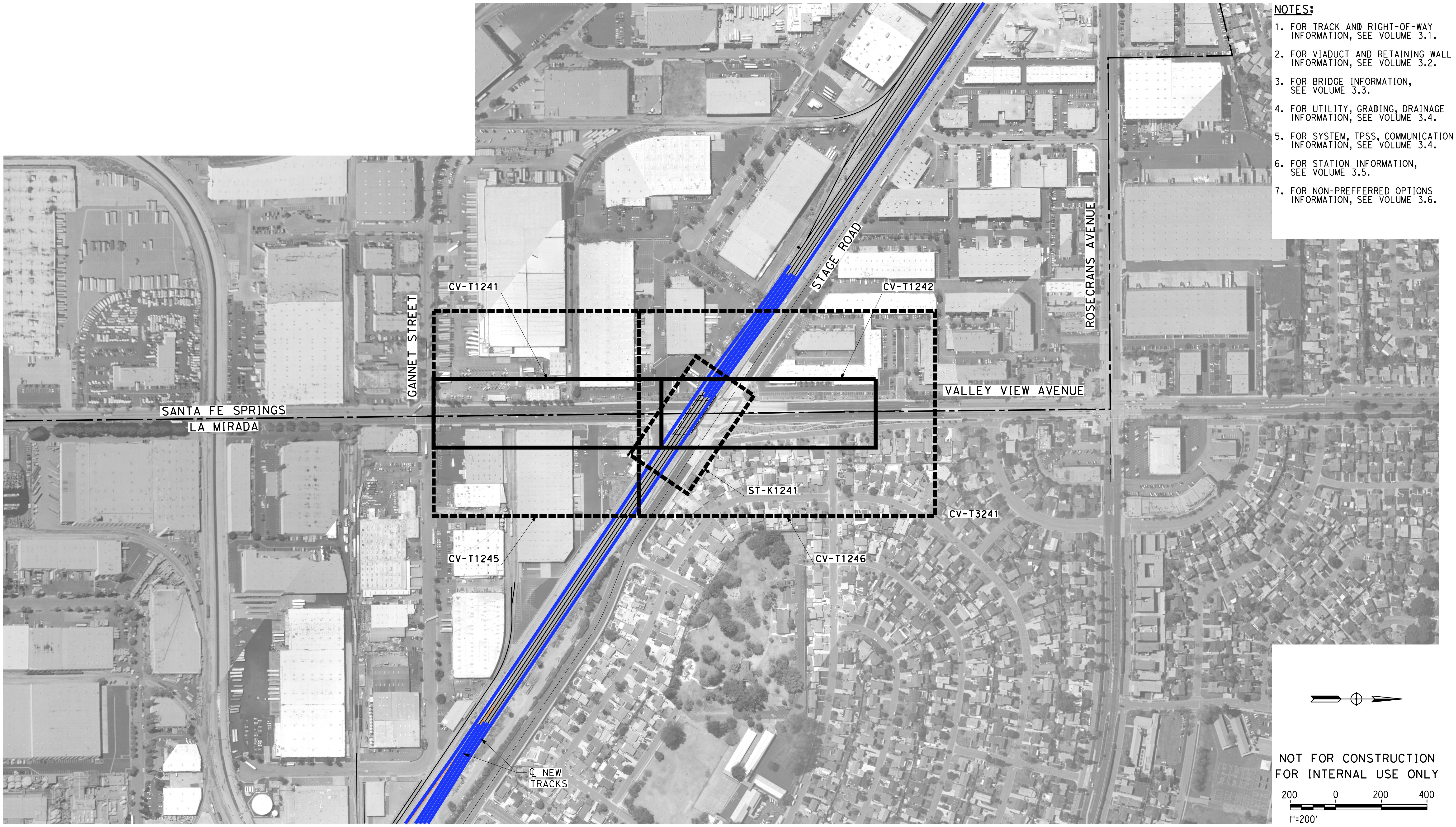
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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.



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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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FOR INTERNAL USE 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

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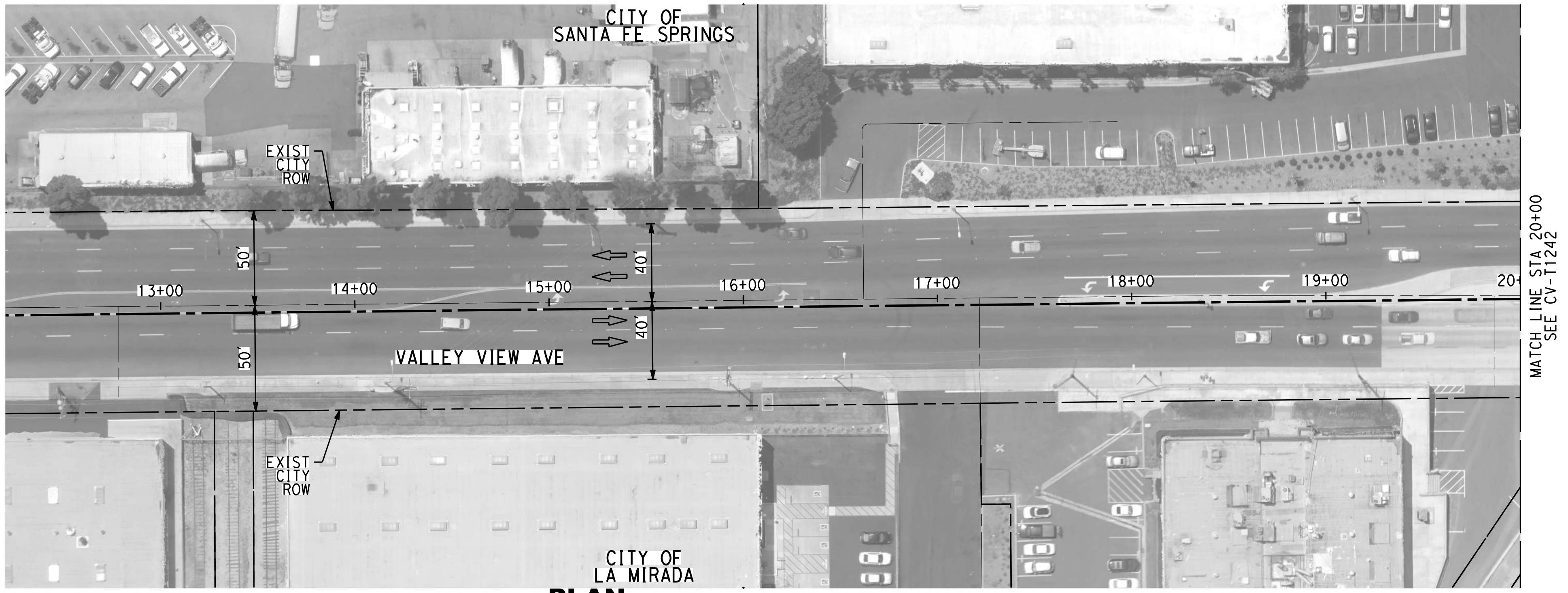
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

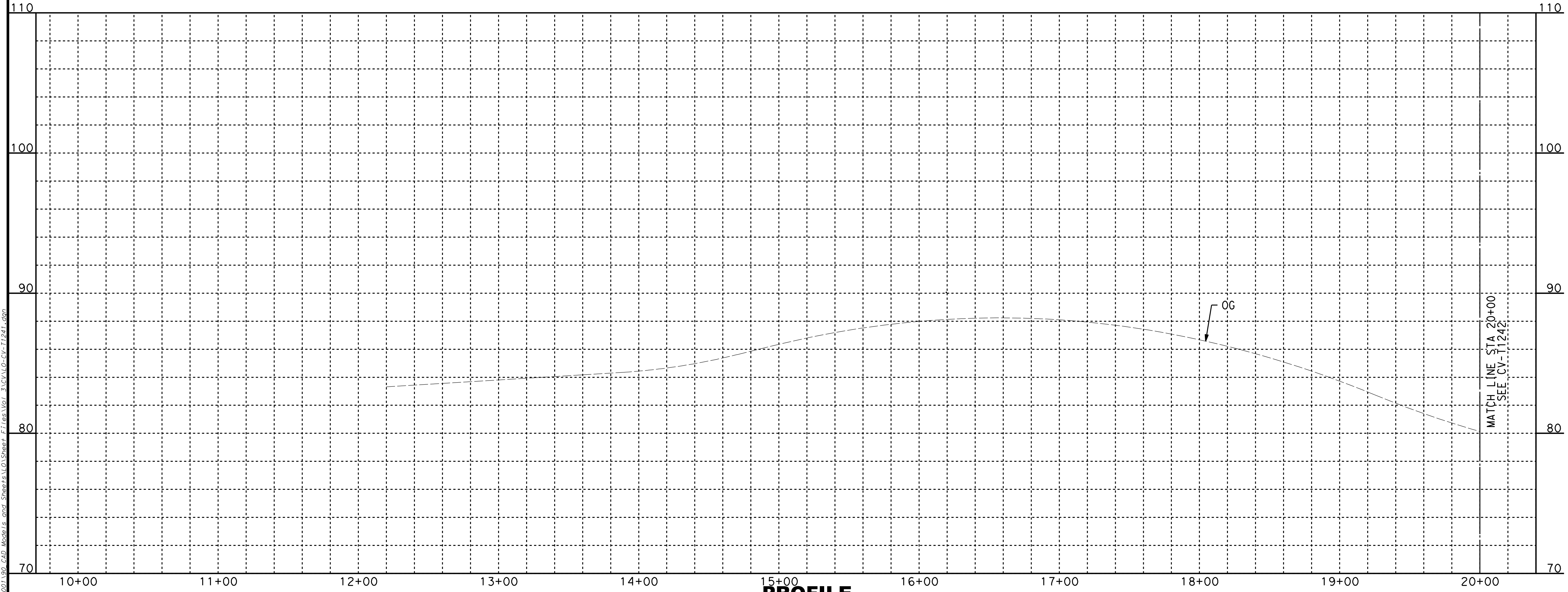
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - VALLEY VIEW AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0241
SCALE
1" = 200'
SHEET NO.

$PLOT$



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.
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7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
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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

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
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 - VALLEY VIEW AVE
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1241
SCALE
AS SHOWN
SHEET NO.

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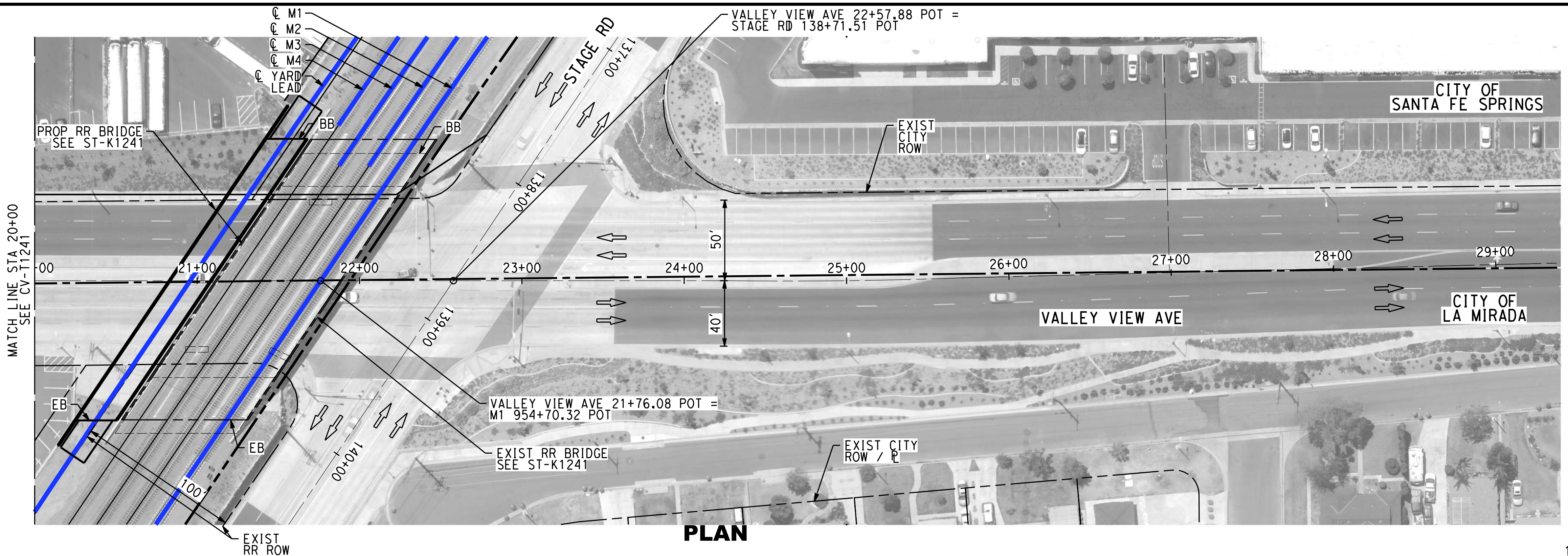
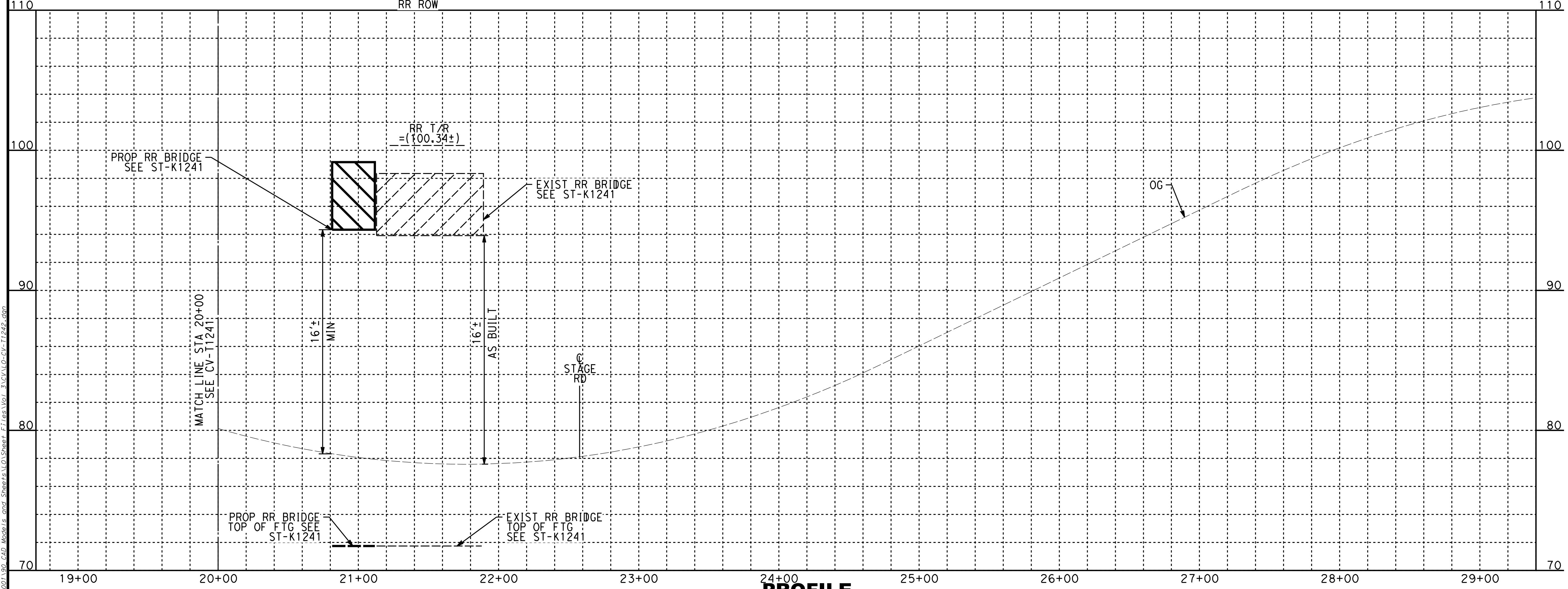


PLAN



110
100
90
80
70
RR T/R =(100.34±)
PROP RR BRIDGE SEE ST-K1241
EXIST RR BRIDGE SEE ST-K1241
OG
MATCH LINE STA 20+00 SEE CV-T1241
16'± MIN
16'± AS BUILT
℄ STAGE RD
PROP RR BRIDGE TOP OF FTG SEE ST-K1241
EXIST RR BRIDGE TOP OF FTG SEE ST-K1241
19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+00
29+00

PROFILE

NOTES:

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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

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

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CONSTRUCTION

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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 - VALLEY VIEW AVE
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1242
SCALE
AS SHOWN
SHEET NO.

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NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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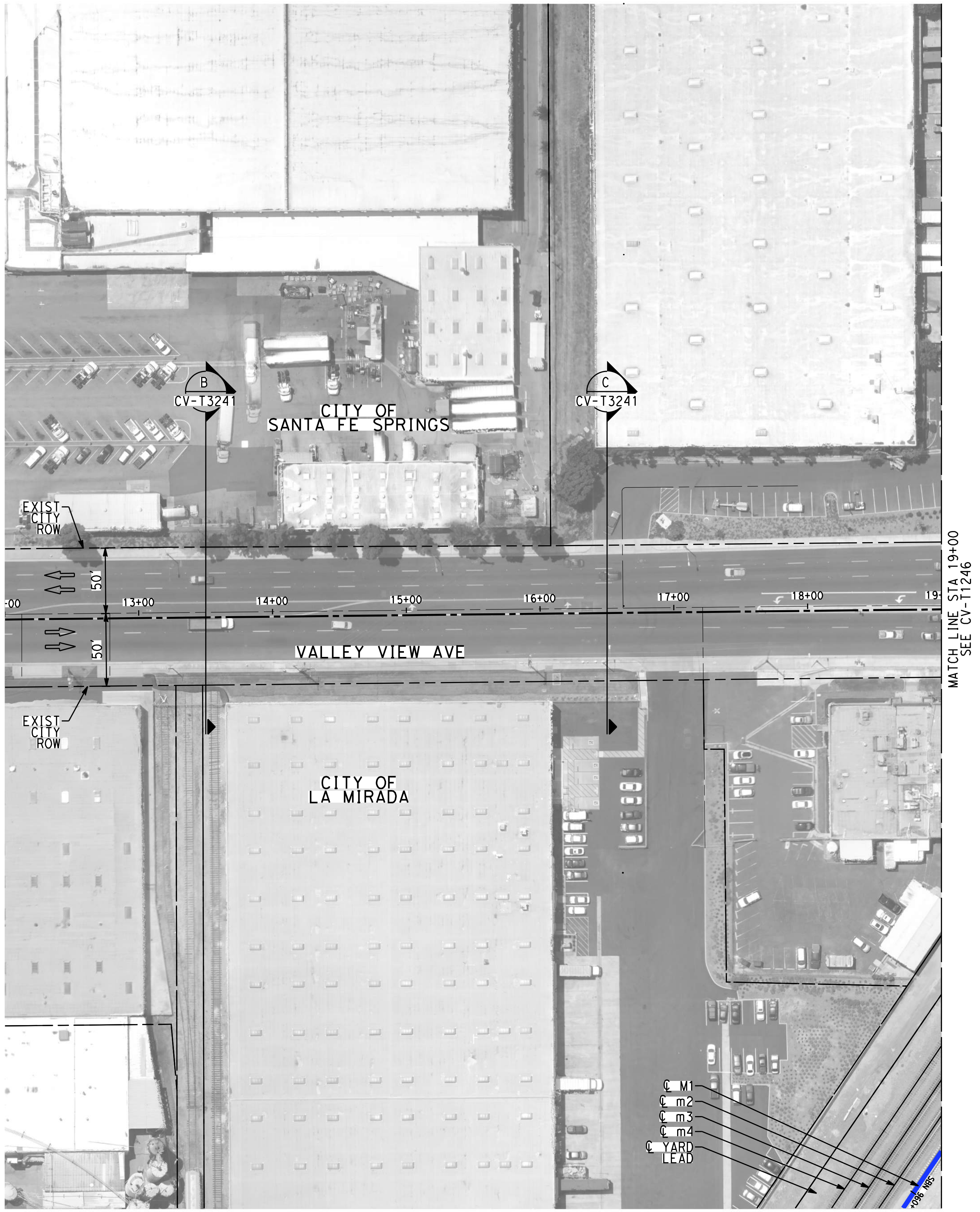

NOT FOR CONSTRUCTION
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50 0 50 100

1"=50' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

ChiangM 2/6/2025 2:53:39 AM 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
FOR INTERNAL
USE ONLY

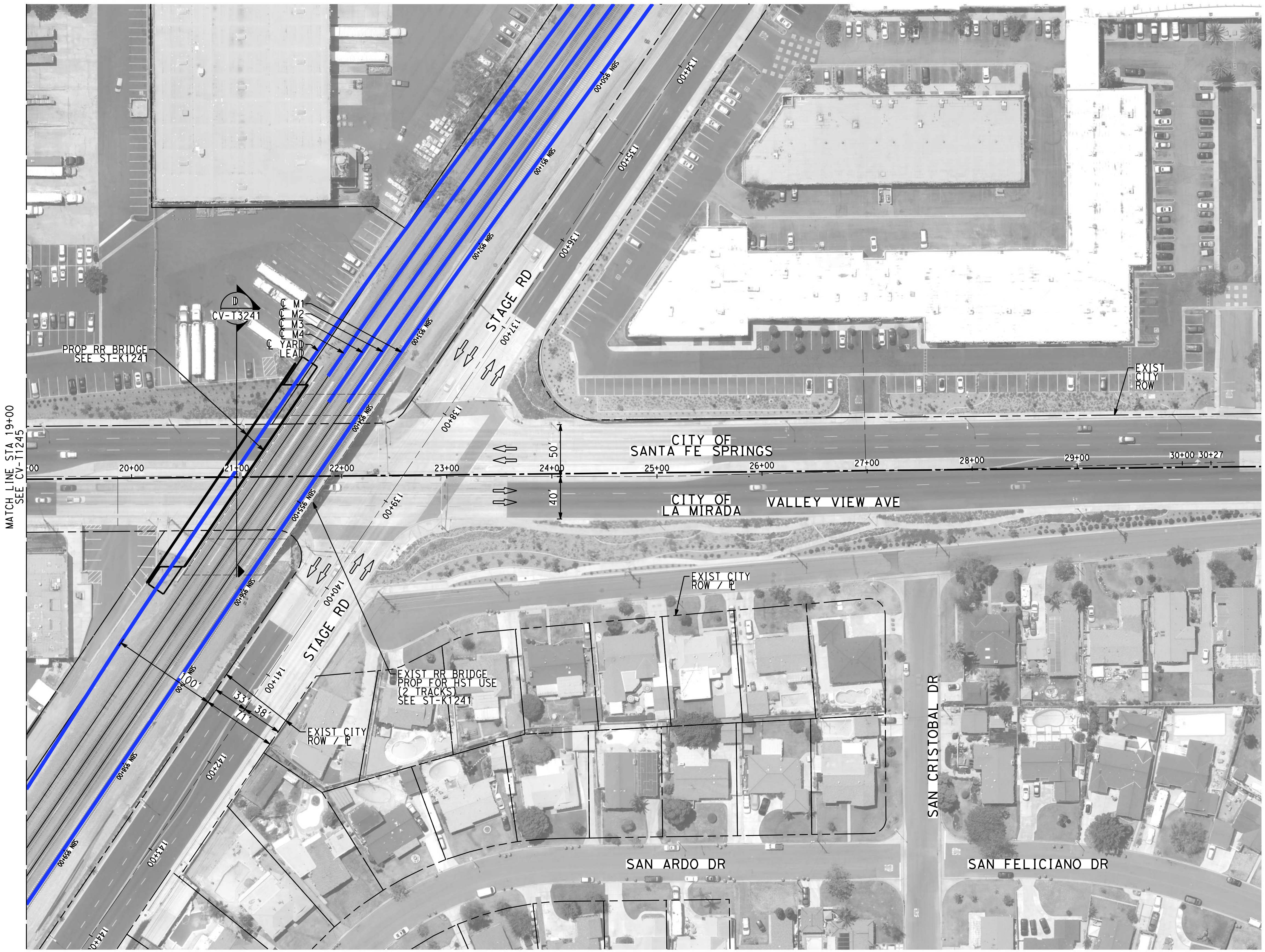
NOT FOR
CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



NOTES:

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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

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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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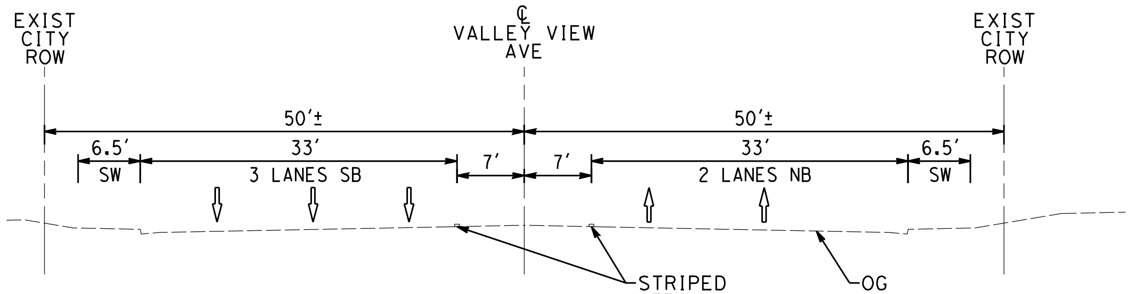
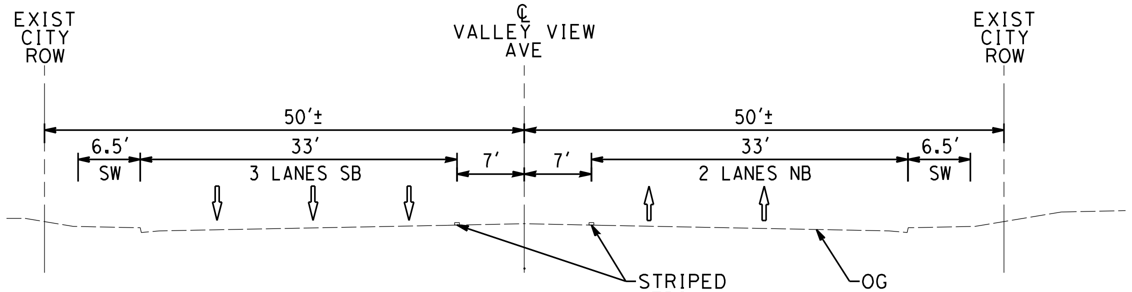
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

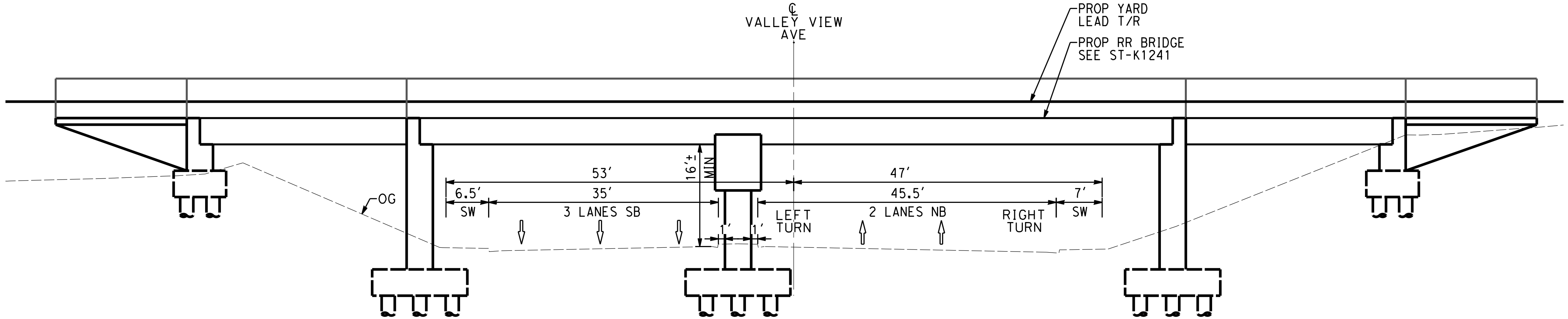
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1246
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 13+50
CV-T1245 AS SHOWN
B
-



EXIST CONDITION
STA 16+50
CV-T1245 AS SHOWN
C
-



PROP CONDITION
STA 21+00
CV-T1246 AS SHOWN
D
-

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-PREFFERRED 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

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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 - VALLEY VIEW AVE
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3241
SCALE AS SHOWN
SHEET NO.

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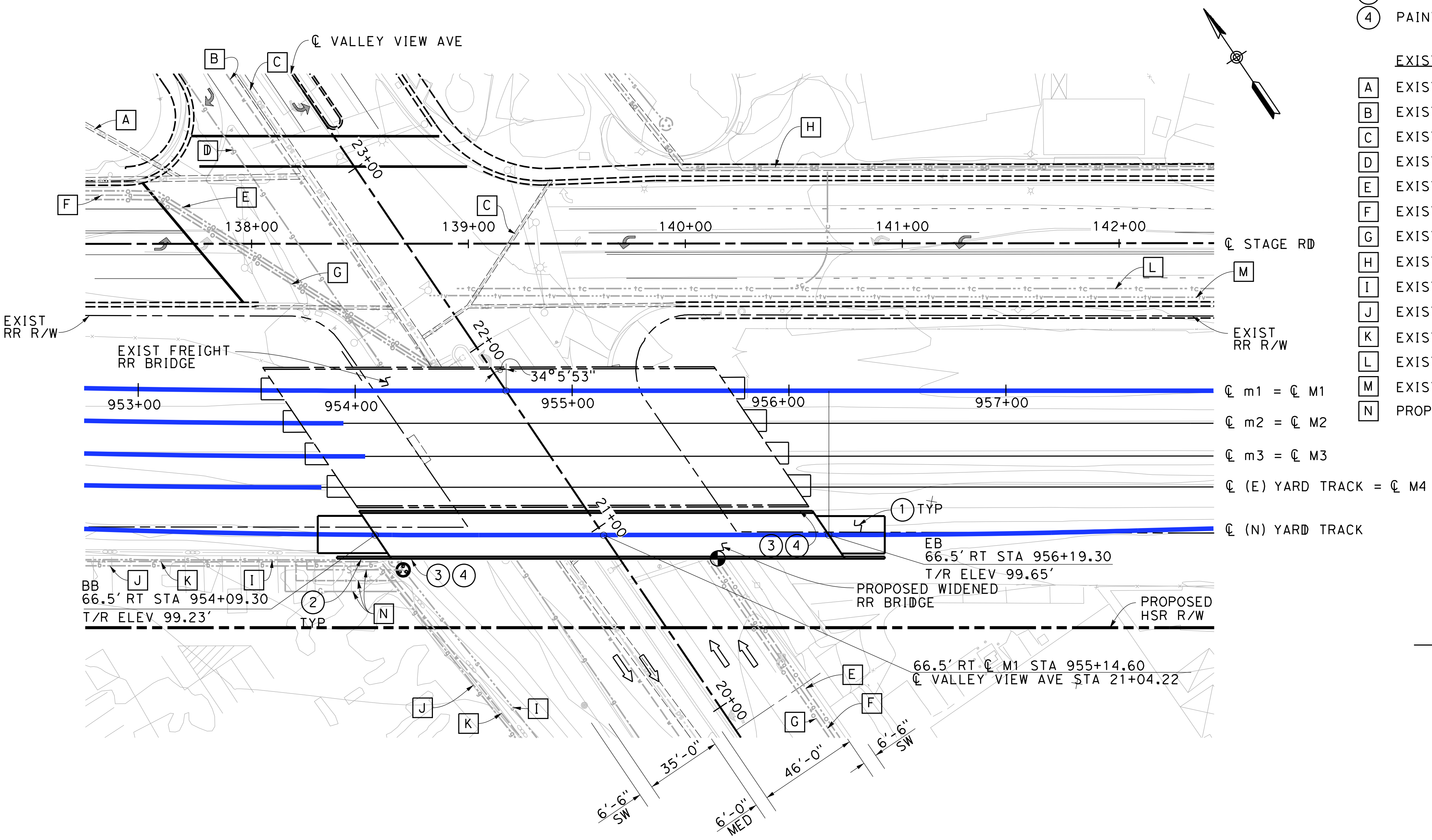

PLAN
1"=30'-0"

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):

ADT$_{2010}$: 34,520
ADT$_{2030}$: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

30 0 30 60
1"=30'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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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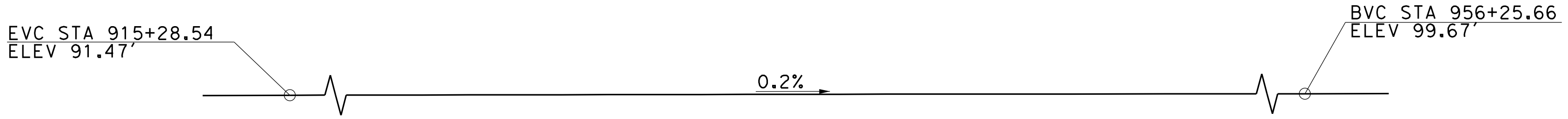
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

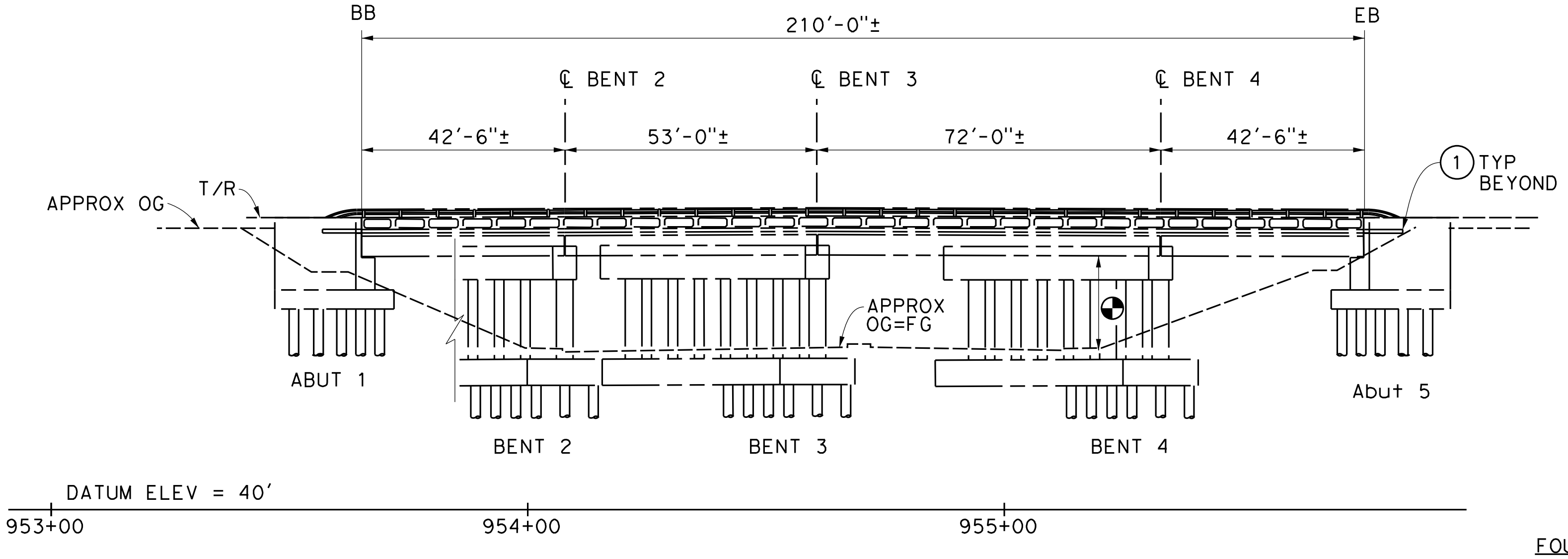
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - VALLEY VIEW AVE
GENERAL PLAN 1 OF 2

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



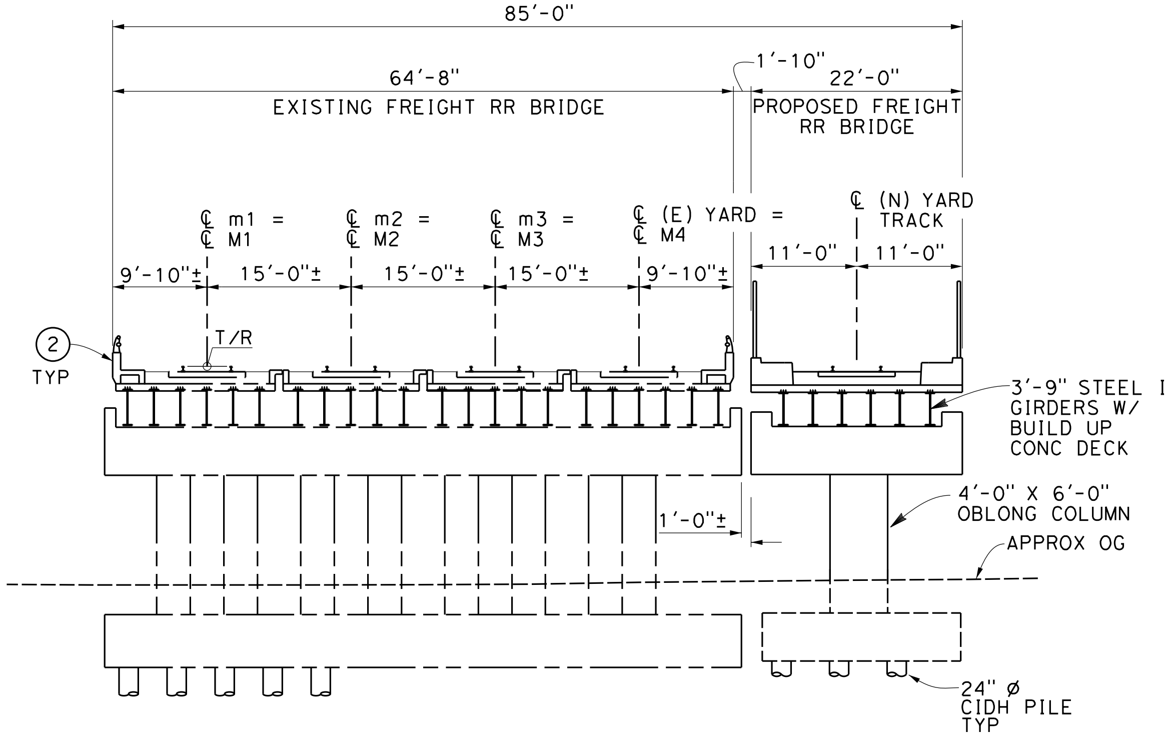
TOP OF RAIL PROFILE (M1)

NO SCALE



ELEVATION - EXIST RR BRIDGE

1"=20'-0"

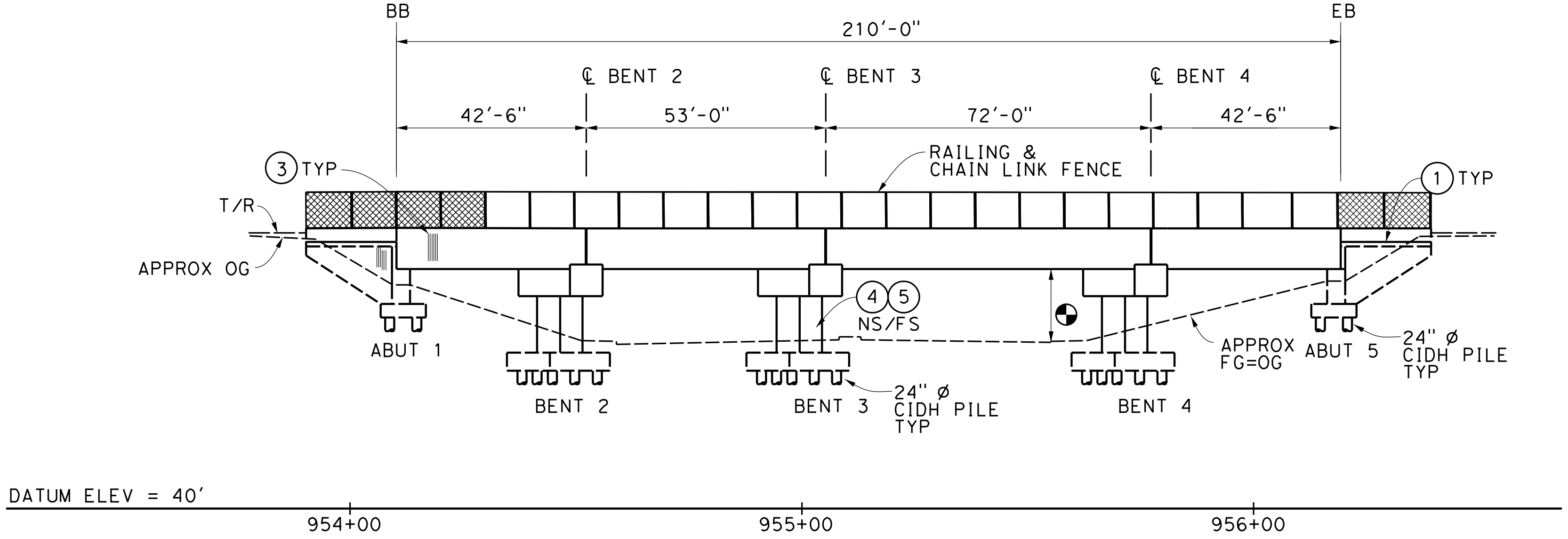


TYPICAL SECTION

1"=10'-0"

FOUNDATION:

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



ELEVATION - PROPOSED RR BRIDGE

1"=20'-0"

GENERAL NOTES:

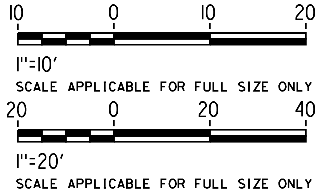
1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
2. ALL TRACKS ARE AT THE SAME ELEVATION.
3. ELECTRIFIED TRACKS ON THE NORTH SIDE OF EXISTING BRIDGE.

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


10
0
10
20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY
20
0
20
40
1"=20'
SCALE APPLICABLE FOR FULL SIZE ONLY

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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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 2 OF 2

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

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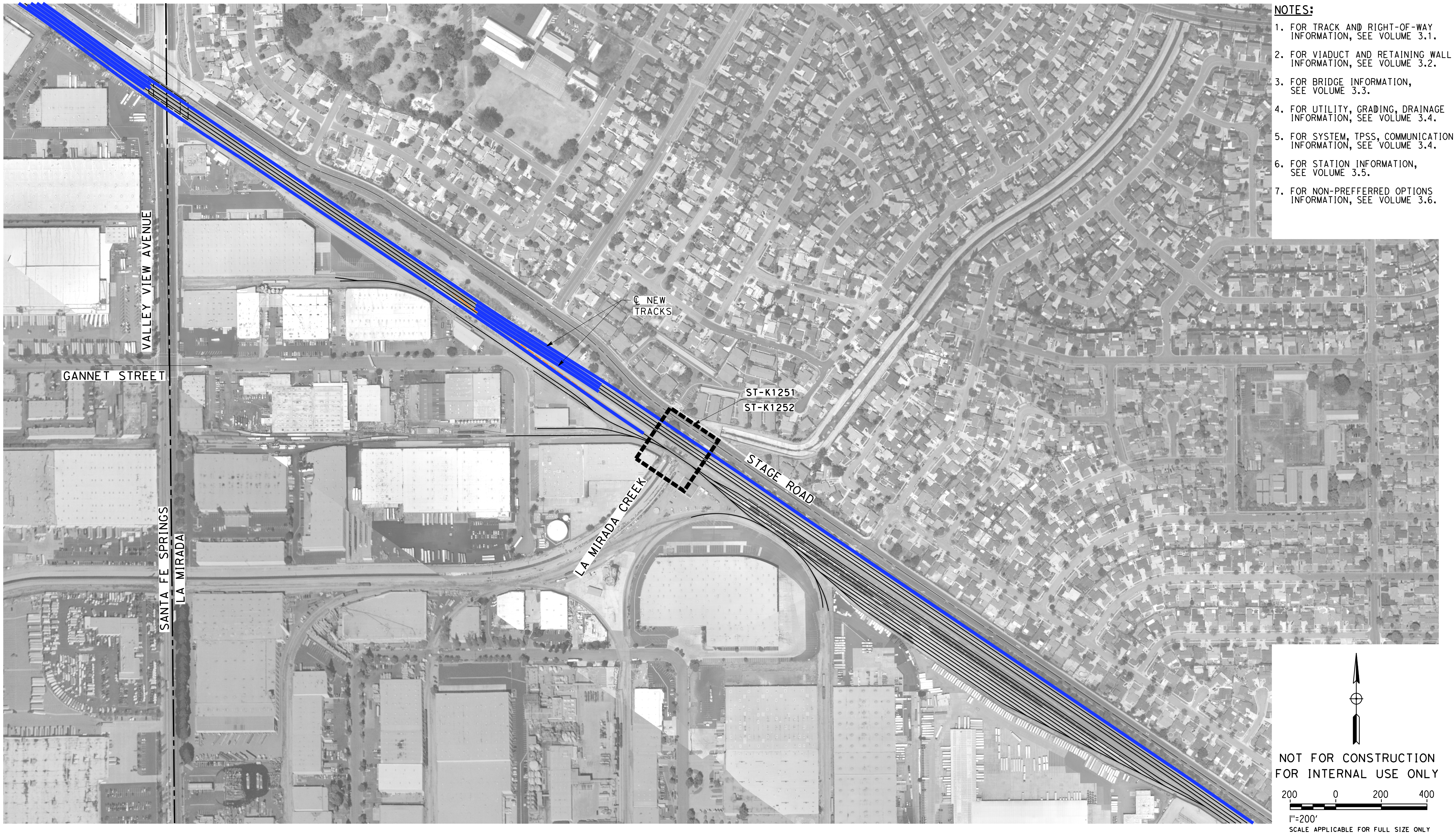

NOTES:

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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FOR INTERNAL USE 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 02/28/25

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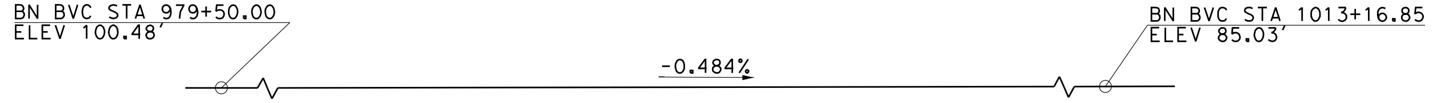
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

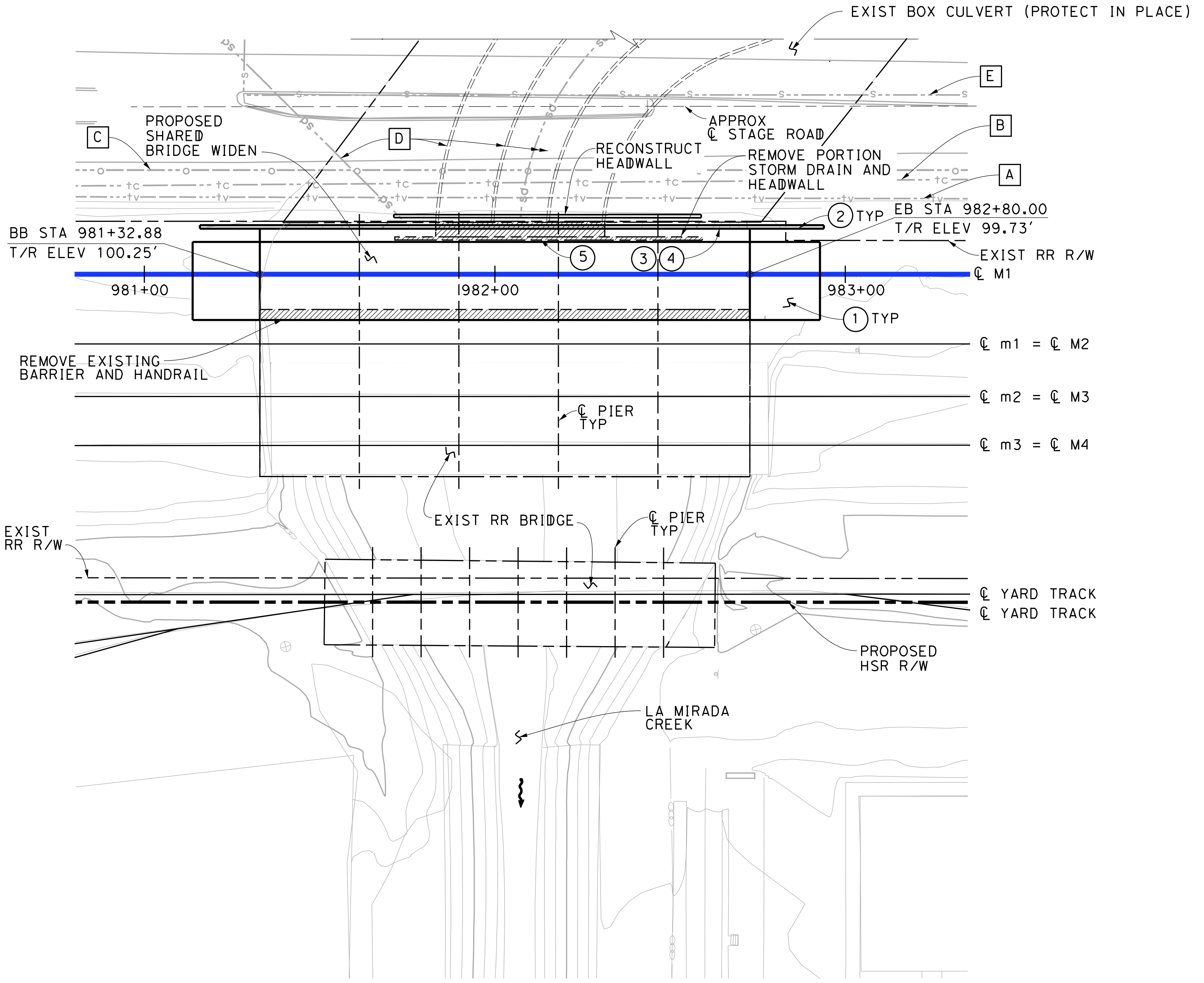
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0251
SCALE
1" = 200'
SHEET NO.

$PLOT$



TOP OF RAIL PROFILE (M1)

NO SCALE



PLAN

1"=20'-0"

NOTES:

1. STRUCTURE APPROACH SLAB
2. WINGWALL
3. PAINT "BR. NO. XX-XXX"
4. PAINT "LA MIRADA CREEK BRIDGE"
5. 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 VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

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

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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 08/29/28/25

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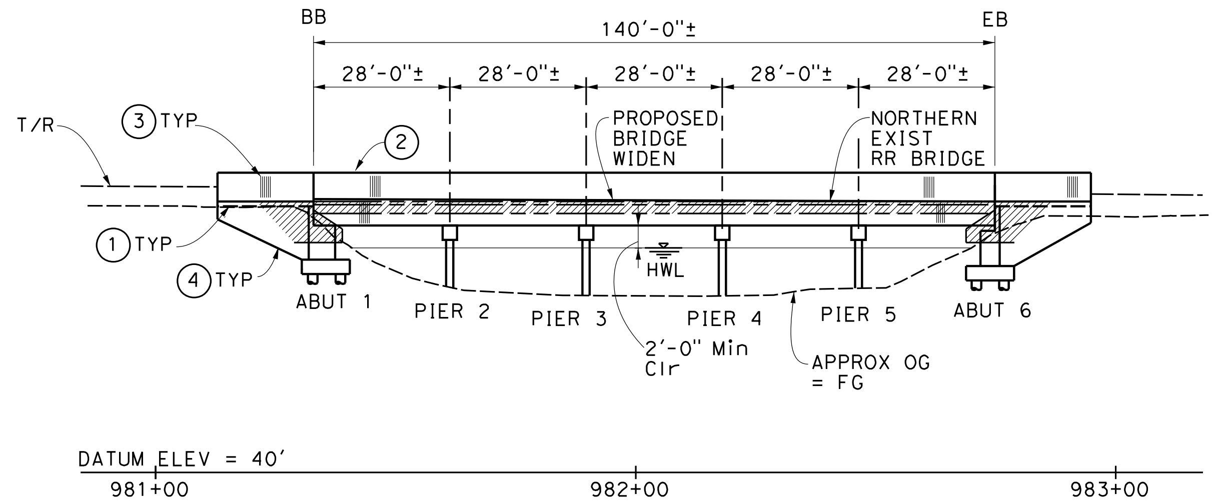
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

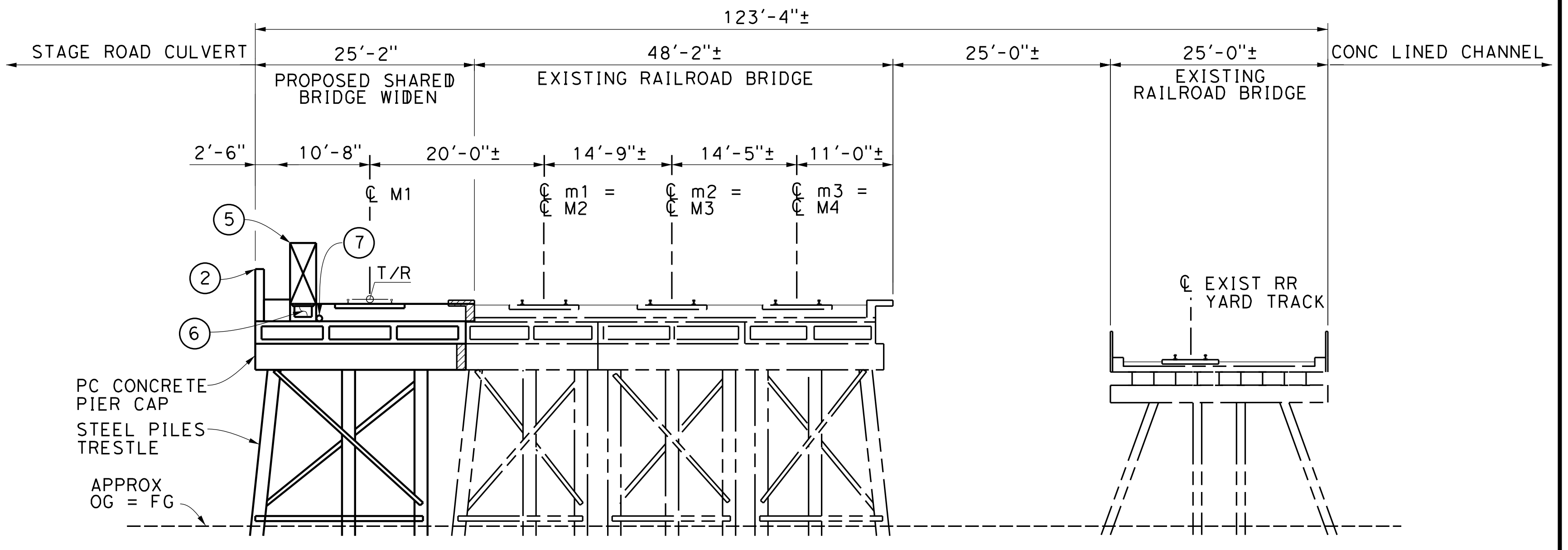
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - LA MIRADA CREEK
GENERAL PLAN 1 OF 2

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



MIRRORED ELEVATION - PROPOSED SHARED BRIDGE WIDEN

1"=20'-0"



TYPICAL SECTION

1"=10'-0"

FOUNDATION:

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

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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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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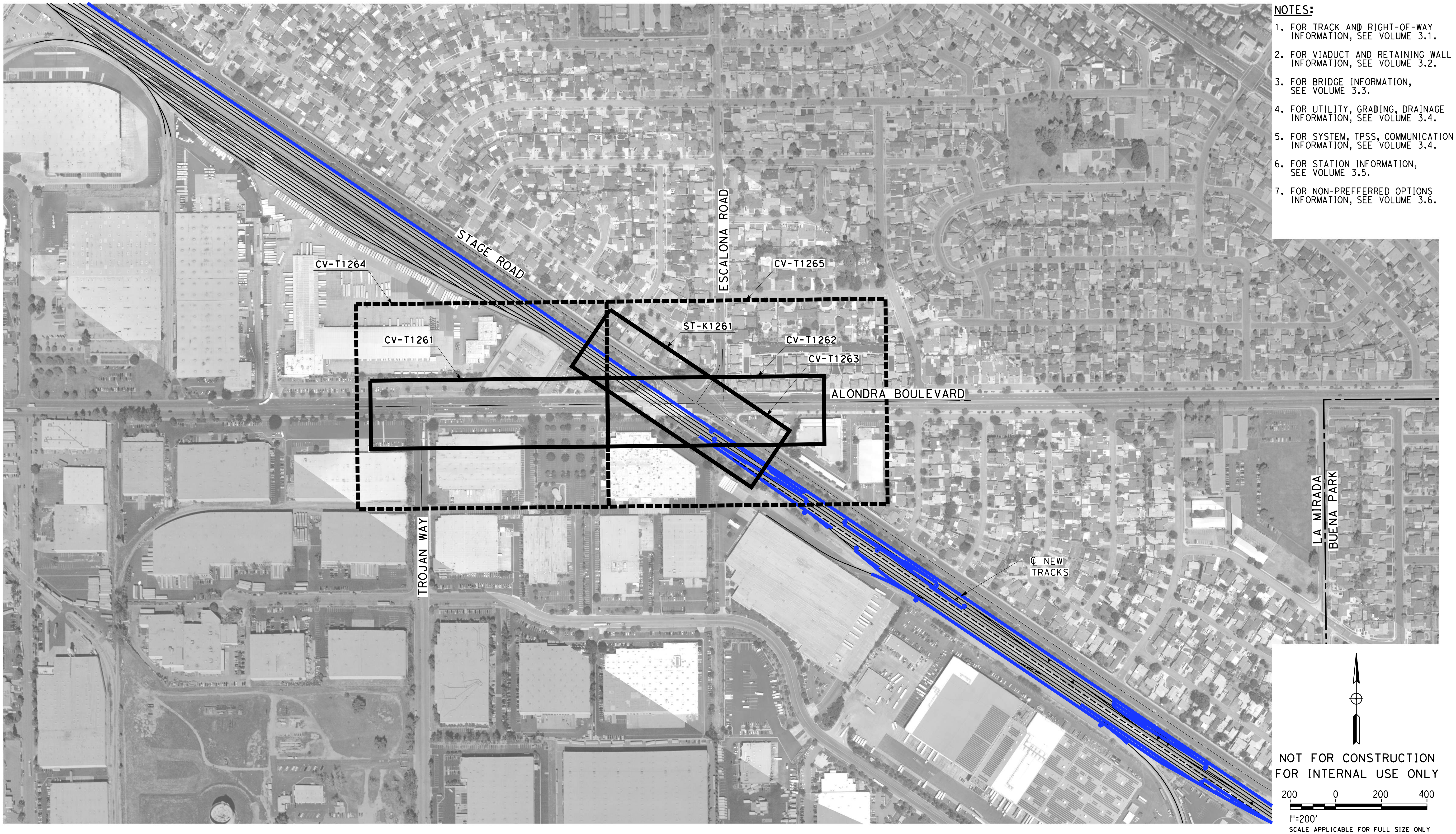
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - LA MIRADA CREEK
GENERAL PLAN 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1252
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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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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 02/28/25

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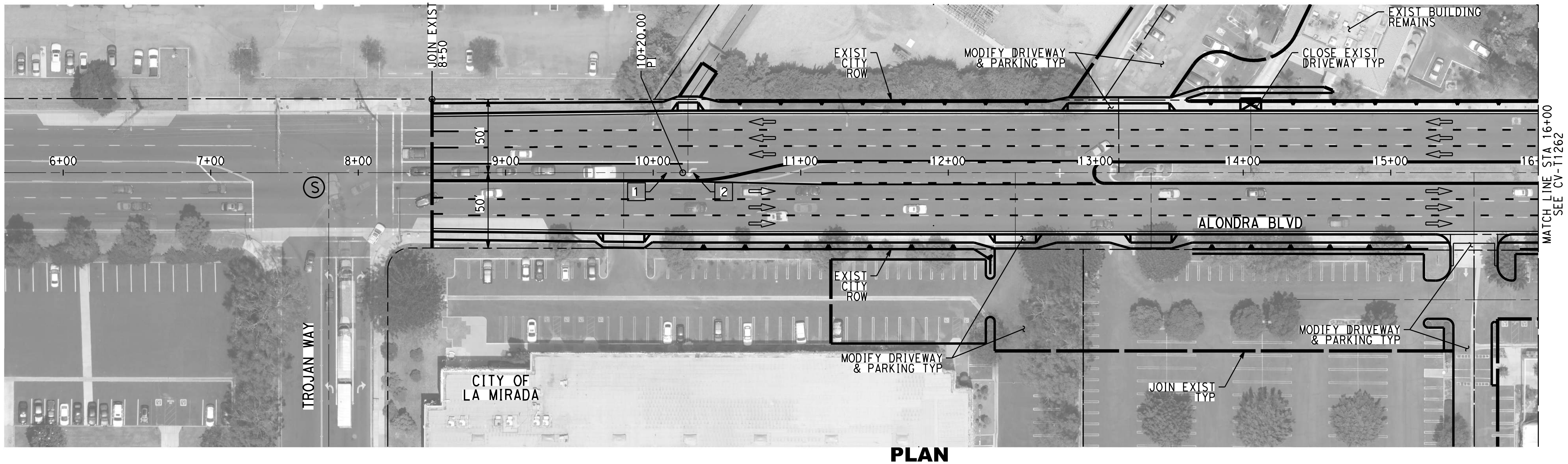
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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

$PLOT$



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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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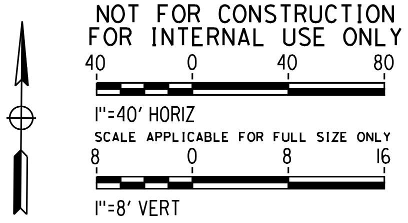

1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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

LINE DATA

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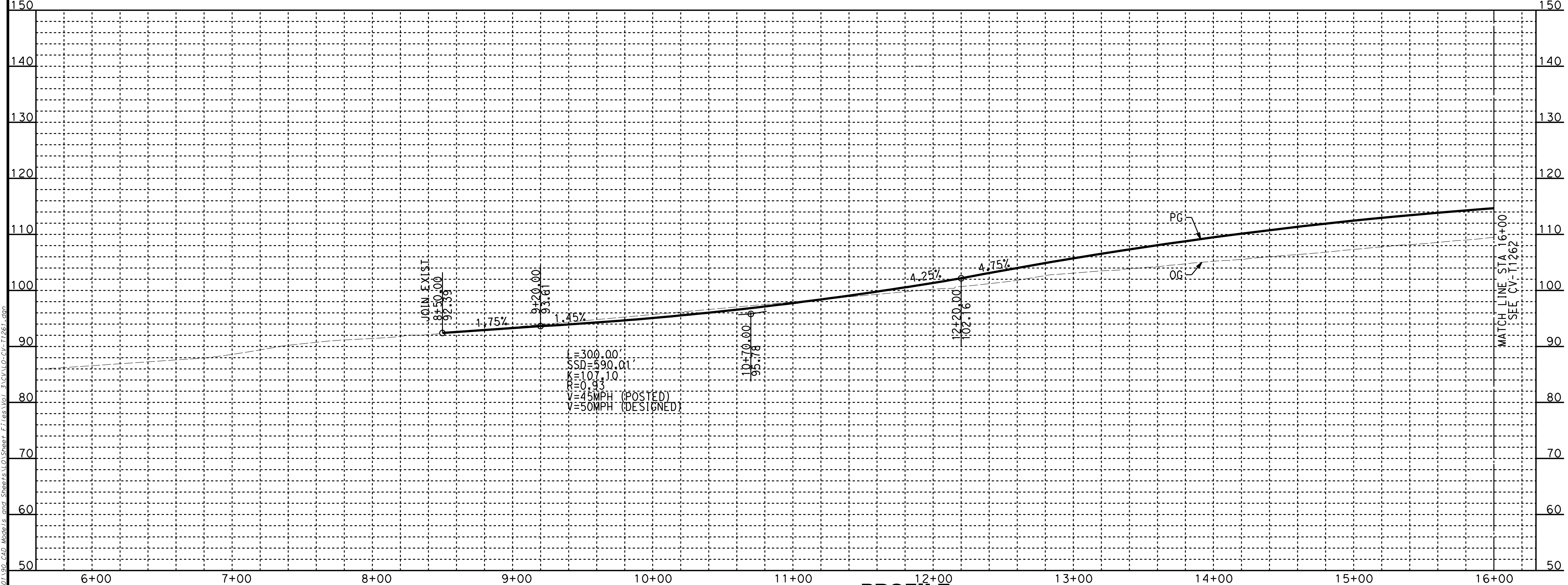
2	N89°24'45"E	1780.03'



PROFILE

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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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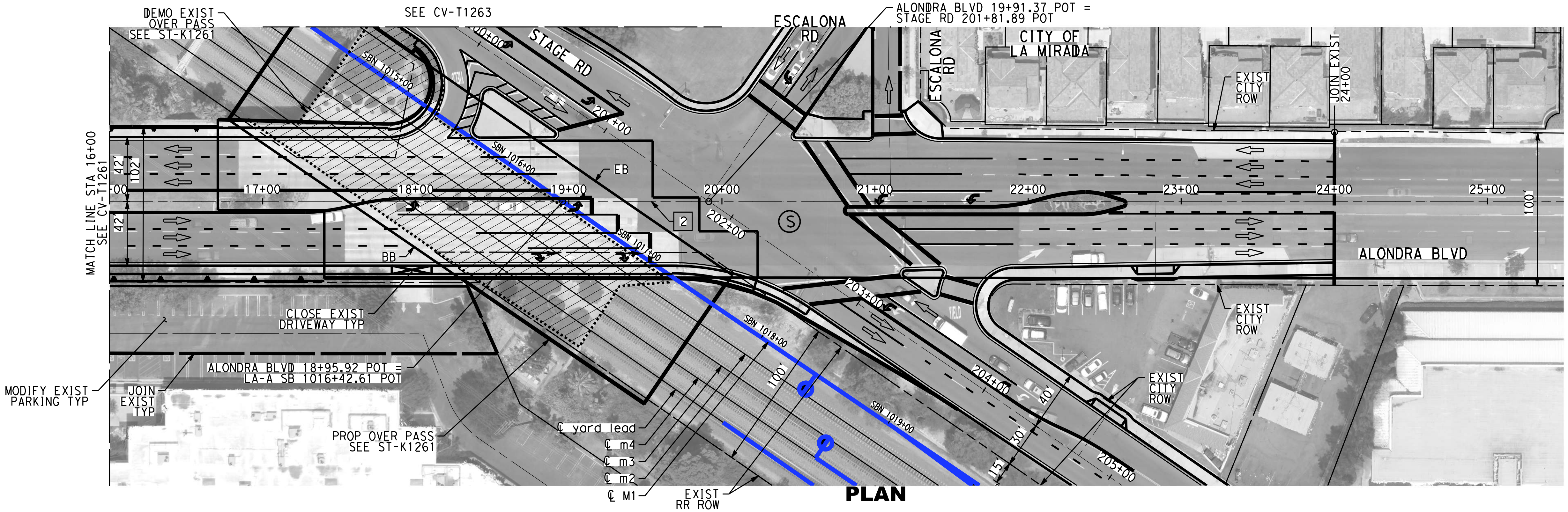
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1261
SCALE
AS SHOWN
SHEET NO.



PLAN

NOTES:

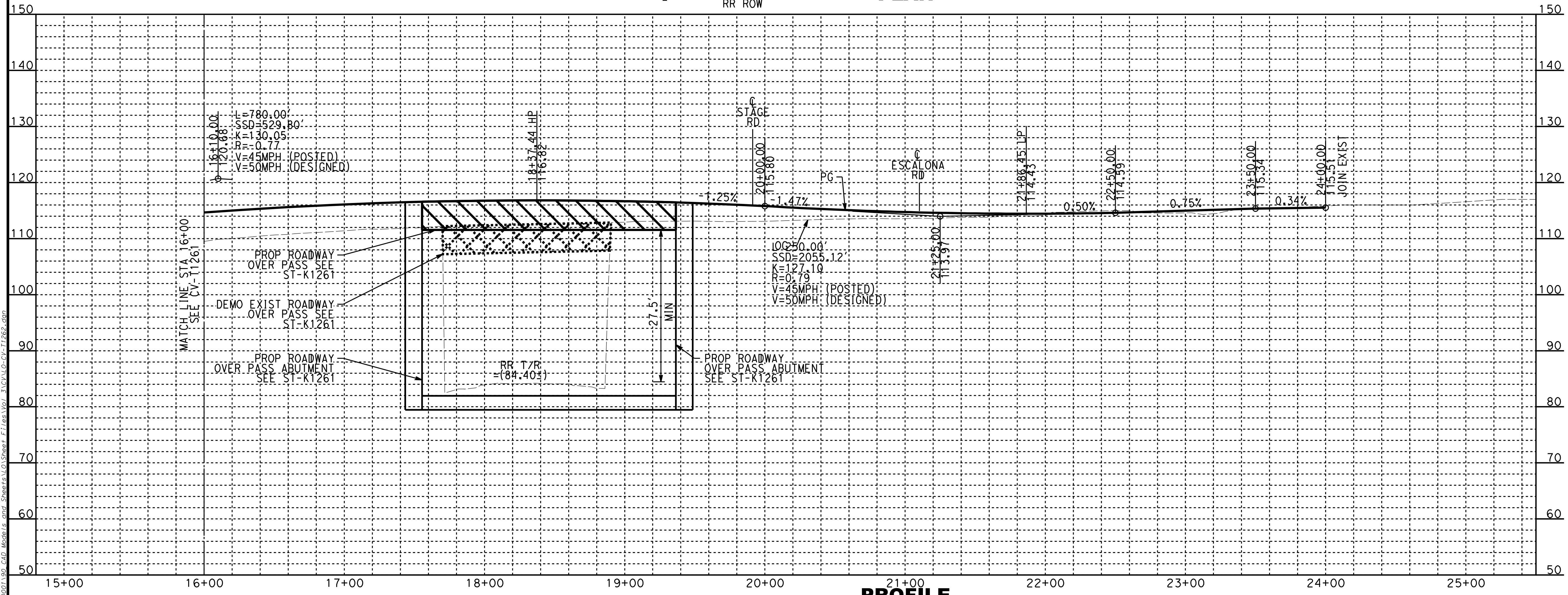
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED 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
8 0 8 16
1"=8' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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 - ALONDRA BLVD
PLAN AND PROFILE - SHEET 2 OF 2

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

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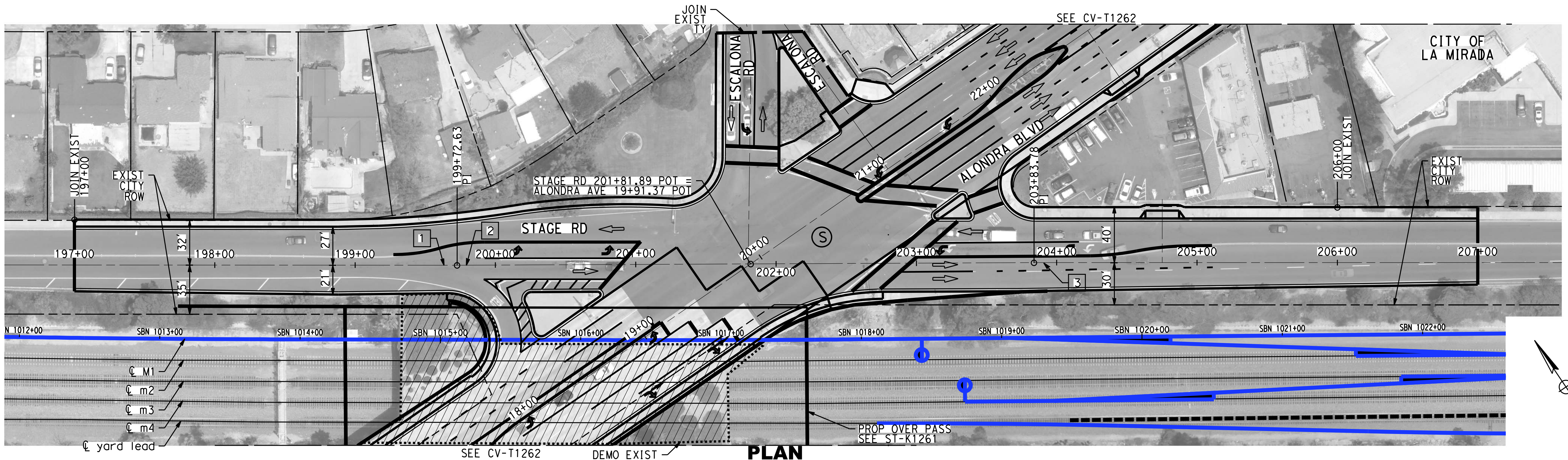


PLAN

NOTES:

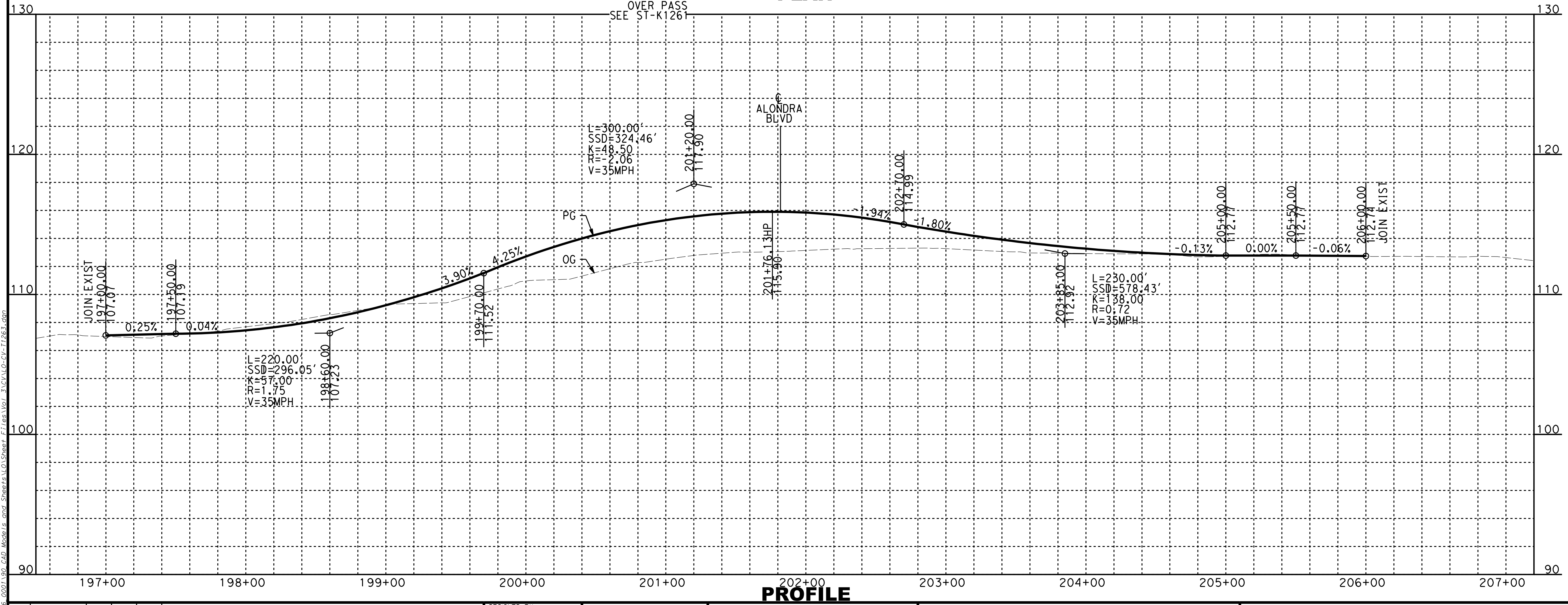
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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

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

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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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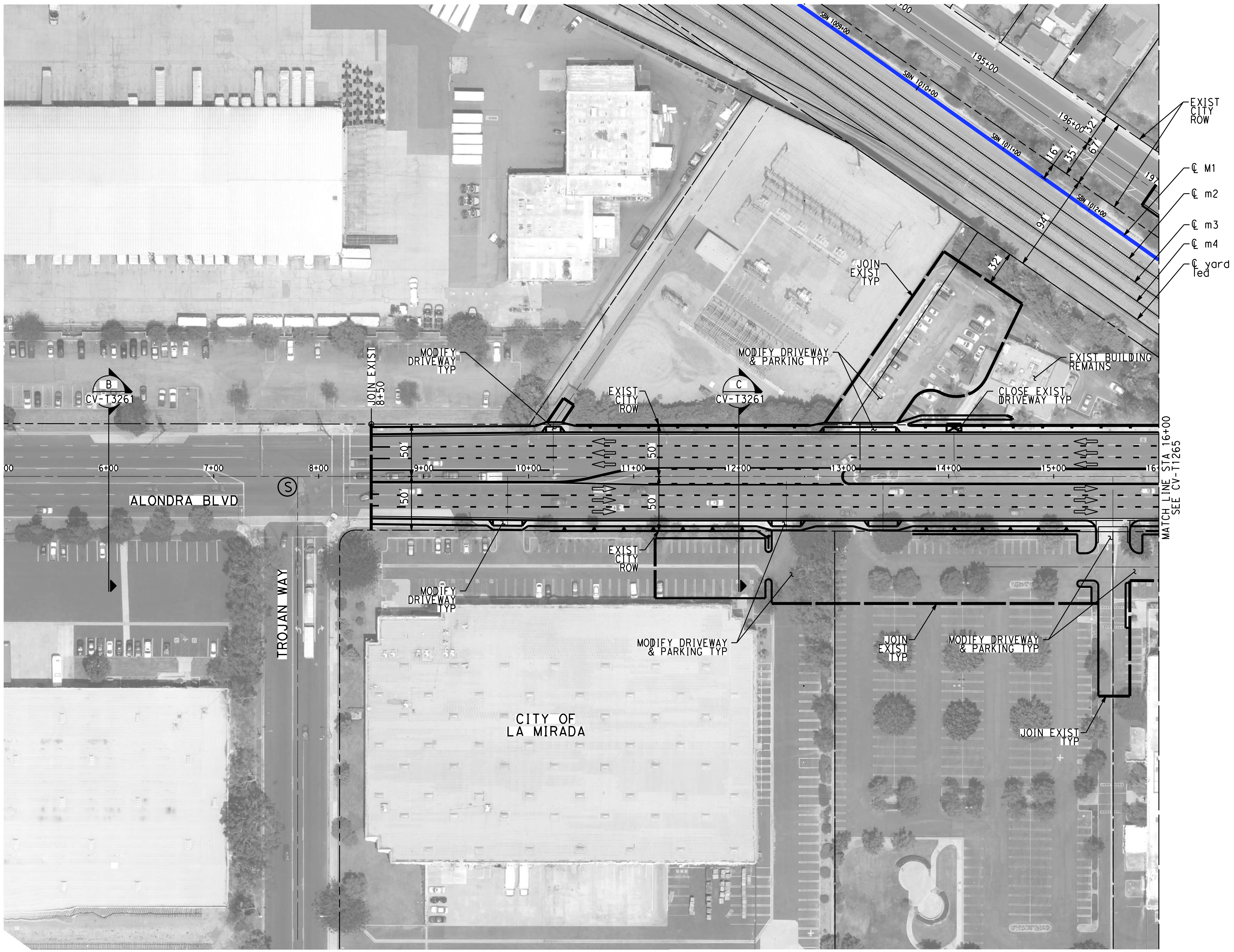
NOT FOR CONSTRUCTION

stv

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.



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-PREFFERRED 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

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

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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
IMPACT PLAN - SHEET 1 OF 2

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

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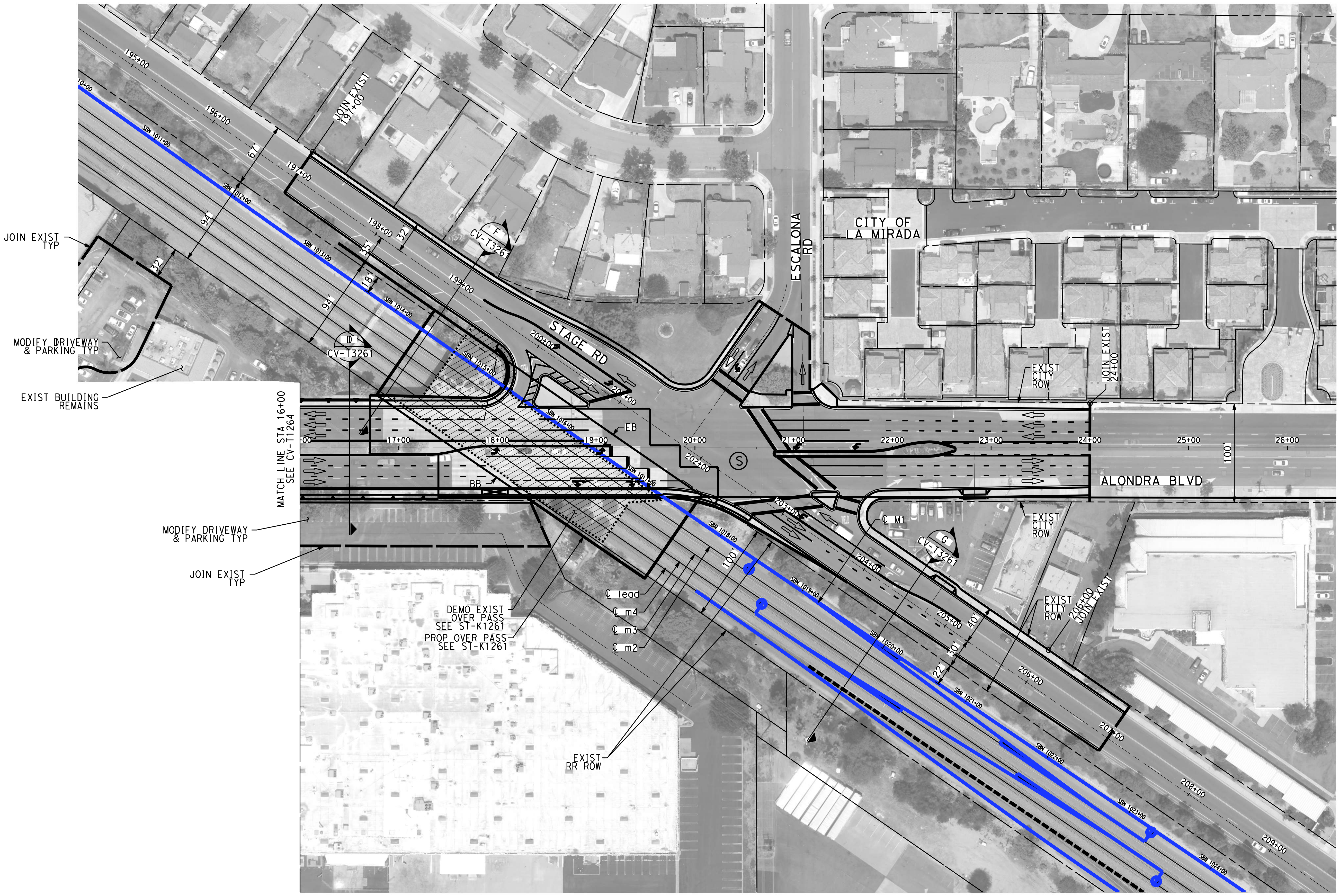

NOTES:

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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED 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

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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

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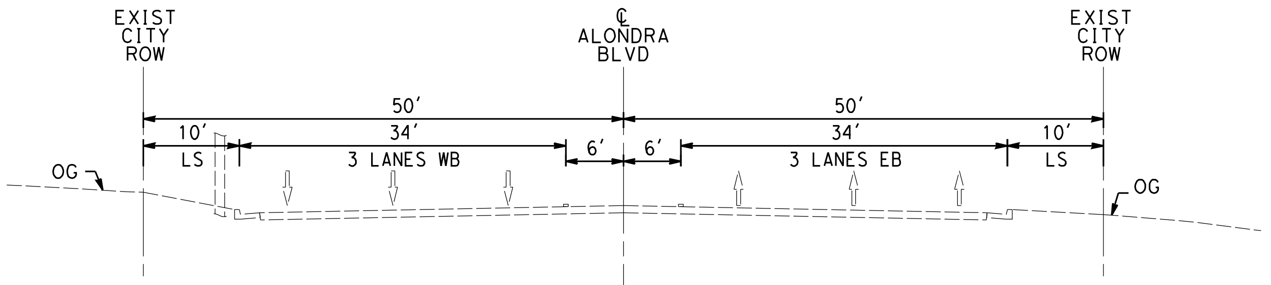
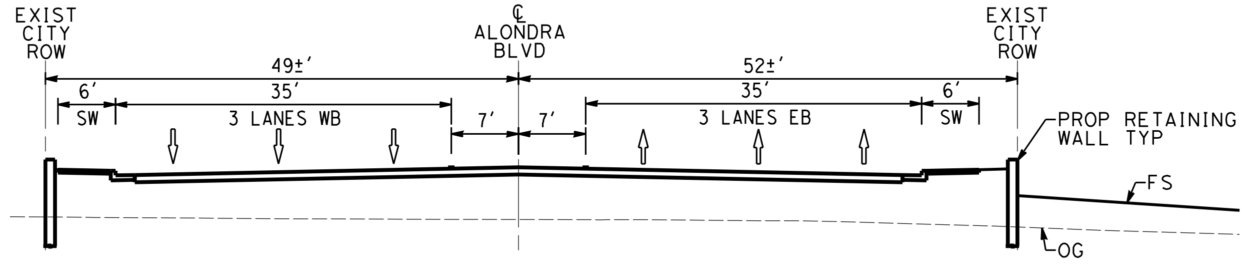
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

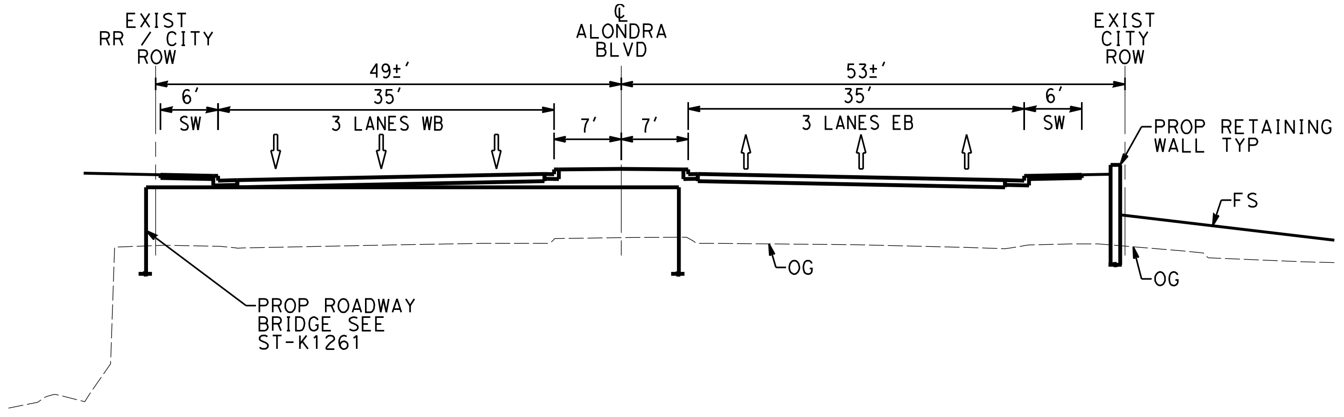
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1265
SCALE AS SHOWN
SHEET NO.



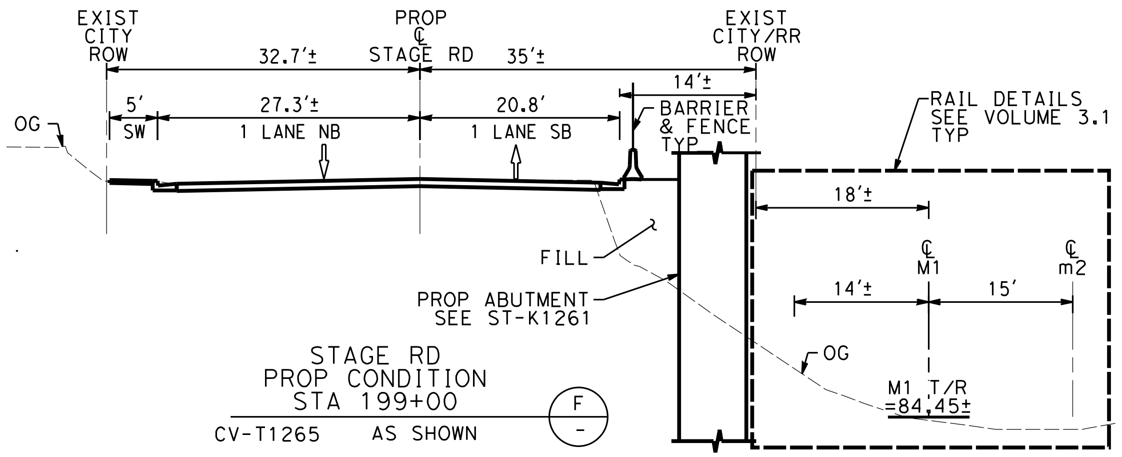
EXIST CONDITION
STA 6+00
CV-T1264 AS SHOWN
B
-



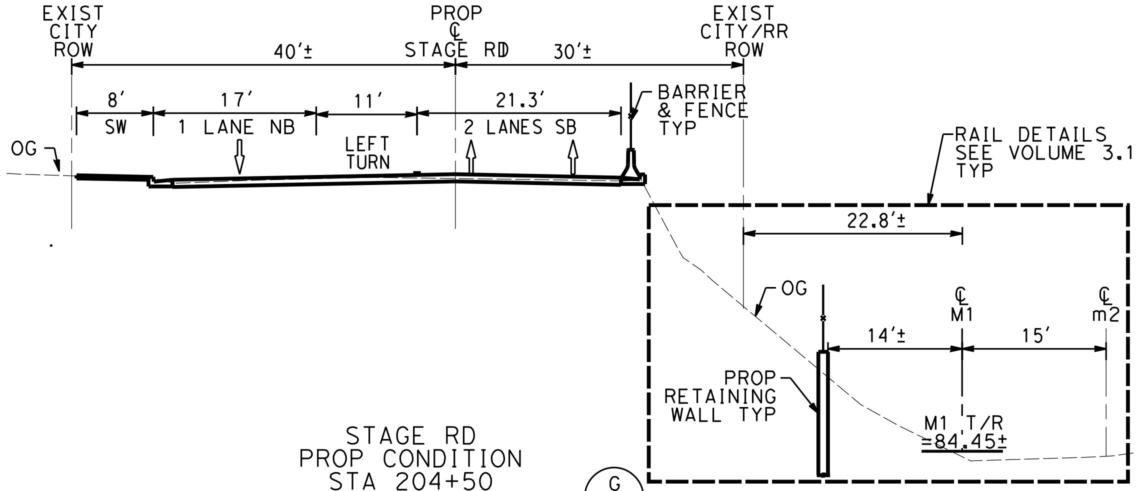
PROP CONDITION
STA 12+00
CV-T1264 AS SHOWN
C
-



PROP CONDITION
STA 16+50
CV-T1265 AS SHOWN
D
-



STAGE RD
PROP CONDITION
STA 199+00
CV-T1265 AS SHOWN
F
-



STAGE RD
PROP CONDITION
STA 204+50
CV-T1265 AS SHOWN
G
-

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-PREFFERRED 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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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

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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
CROSS SECTION - SHEET 1 OF 1

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.
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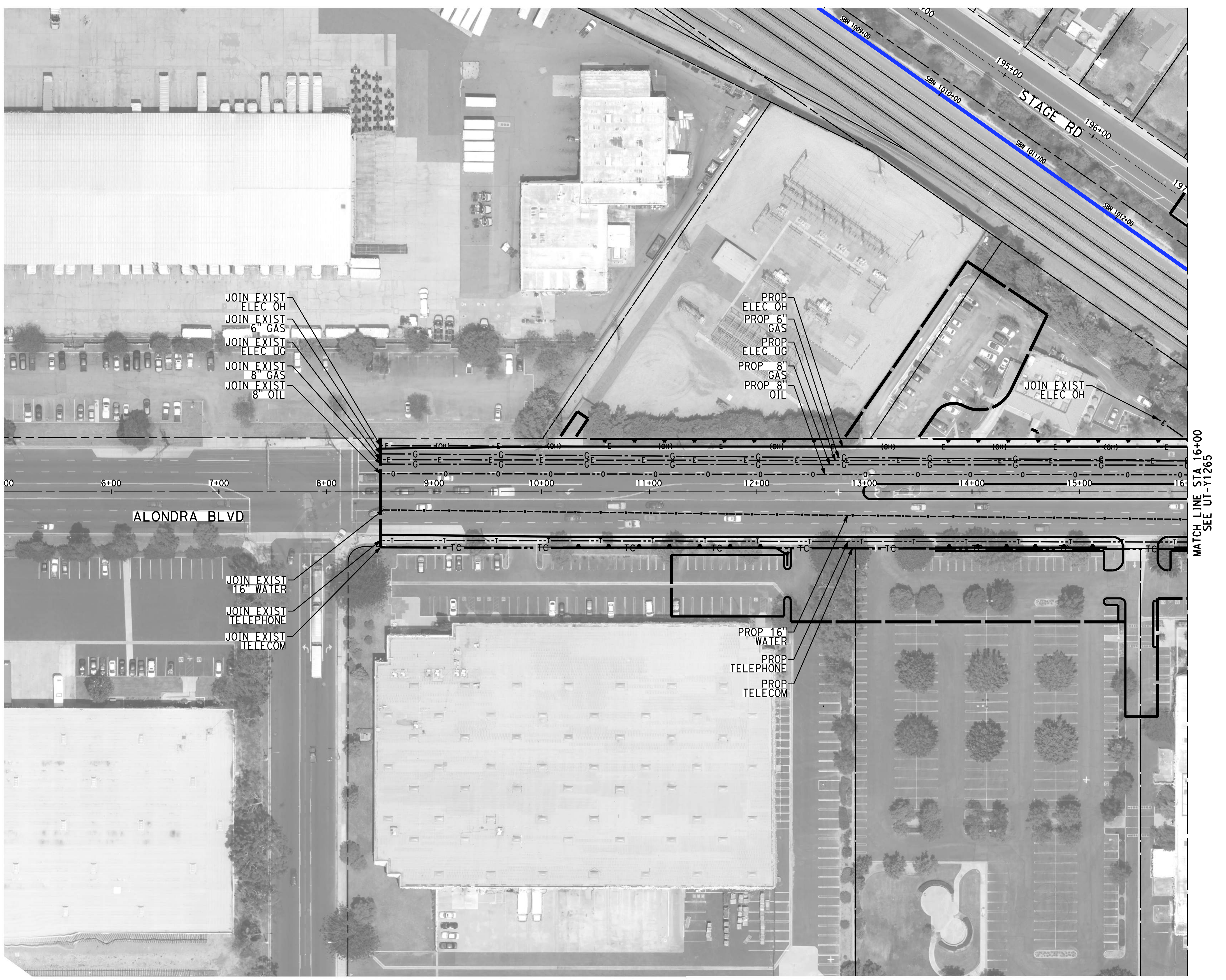
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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 1 OF 2

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

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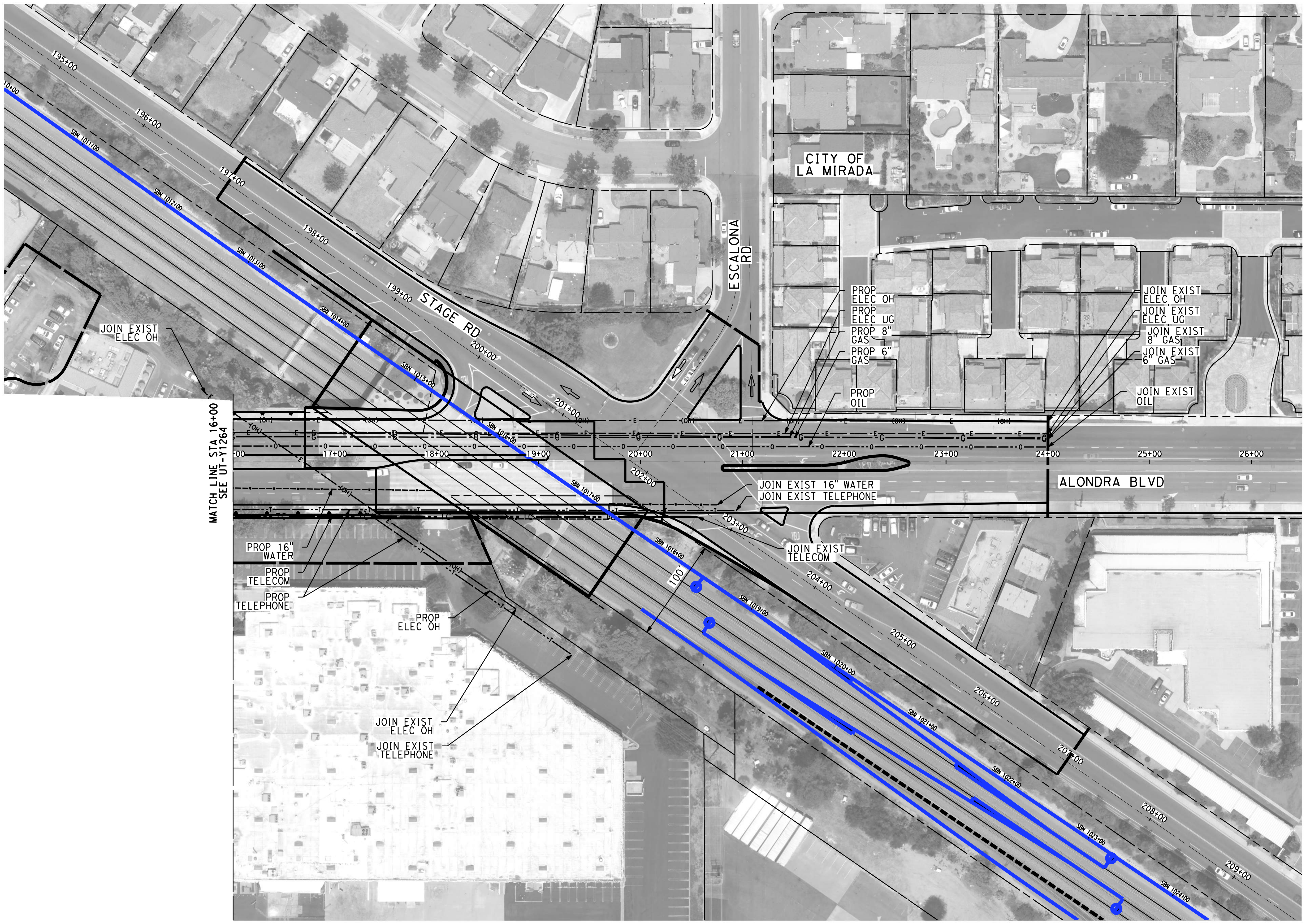

NOTES:

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.
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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-PREFFERRED 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

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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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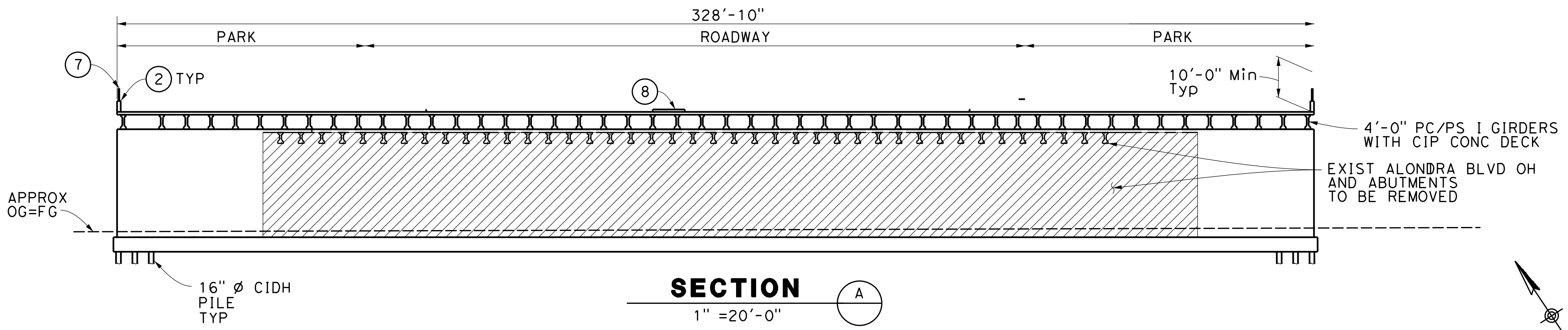
NOT FOR CONSTRUCTION

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

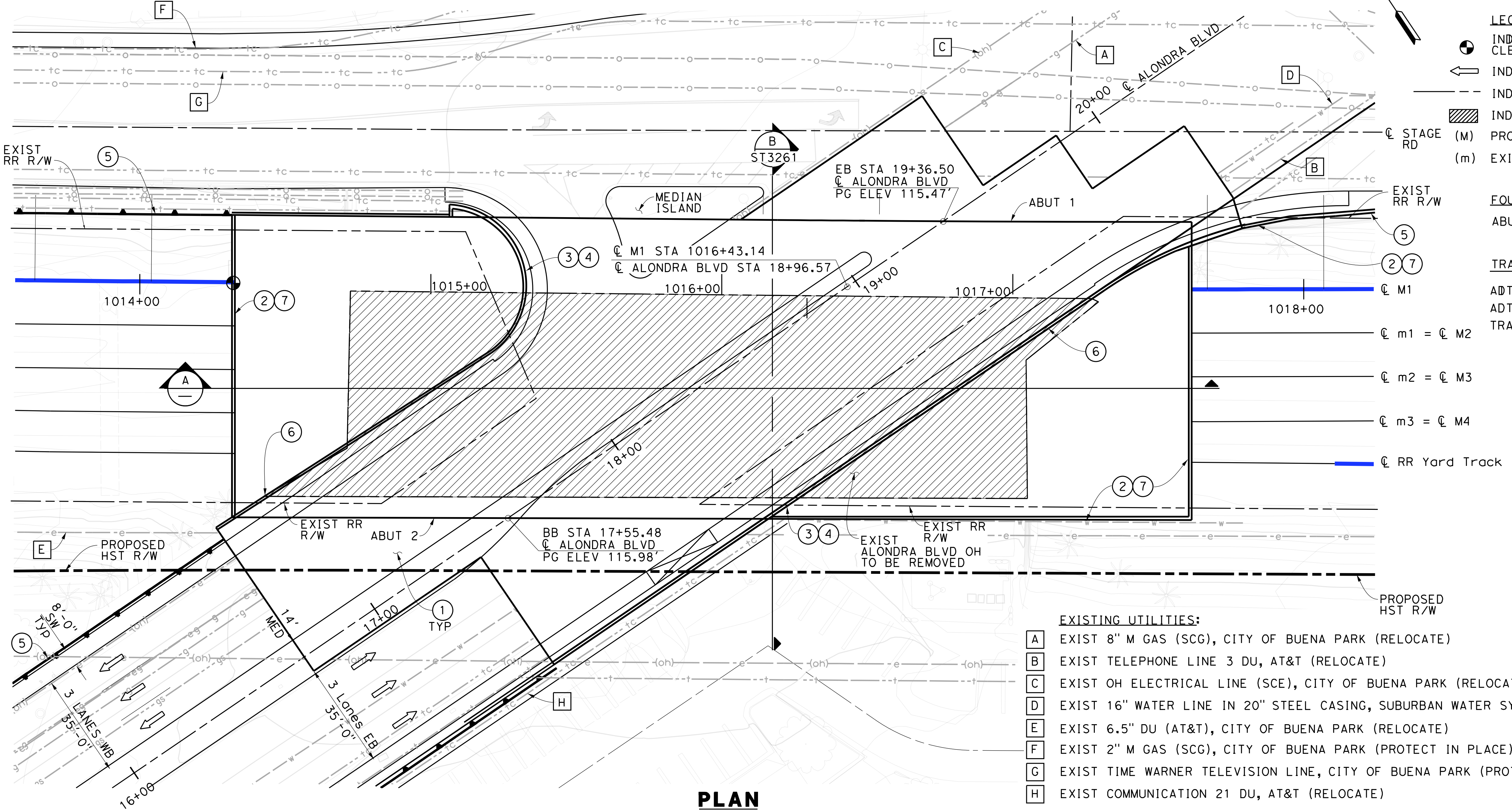
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ALONDRA AVE
UTILITY PLAN - SHEET 2 OF 2

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


328'-10"
PARK
ROADWAY
PARK
7
2 TYP
8
10'-0" Min Typ
4'-0" PC/PS I GIRDERS WITH CIP CONC DECK
EXIST ALONDRA BLVD OH AND ABUTMENTS TO BE REMOVED
APPROX OG=FG
16" ø CIDH PILE TYP

SECTION (A)

1" =20'-0"



PLAN

1"=20'-0"

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):

ADT_{2010}: 26,200
ADT_{2030}: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME$_{2030}$: 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

N
Y

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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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 - ALONDRA BLVD
GENERAL PLAN

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

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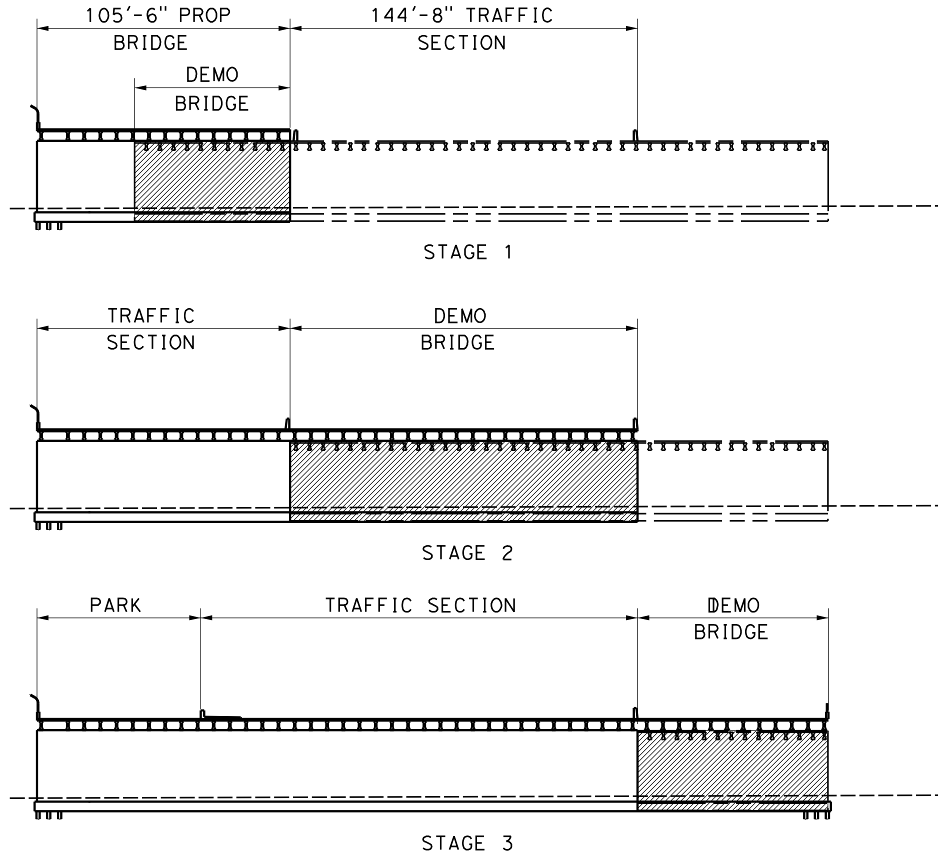
ChiangM



SUGGESTED STAGING PLAN

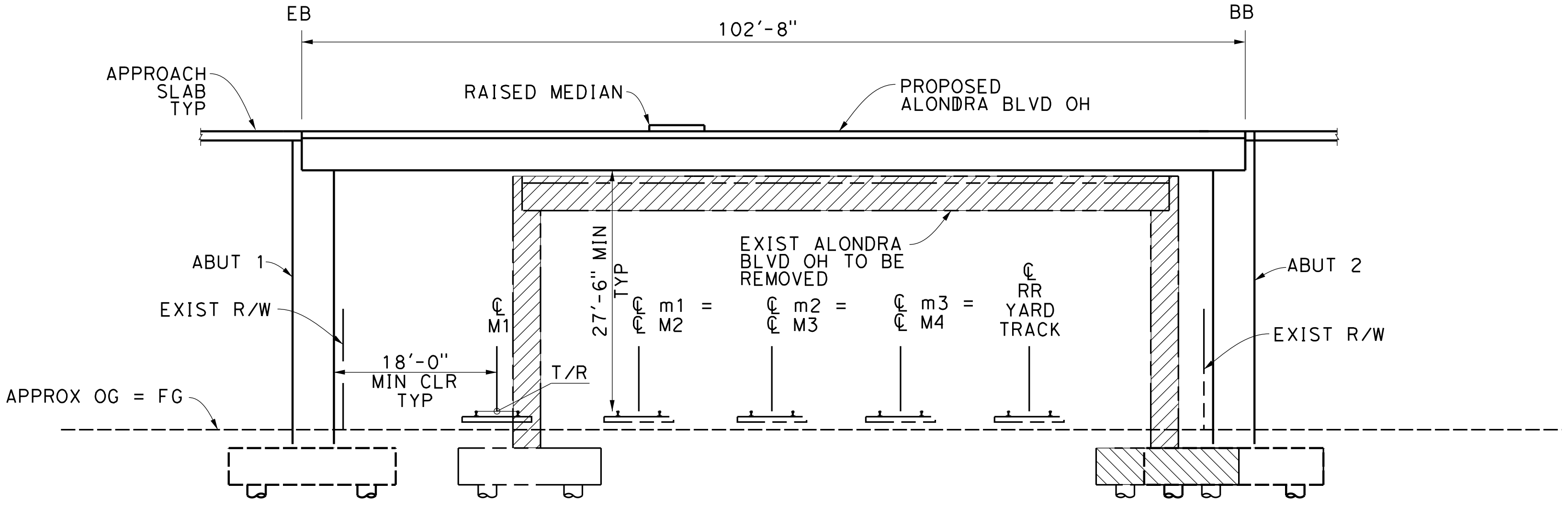
NTS

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

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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 - ALONDRA BLVD
STRUCTURAL SECTION

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

ChiangM 2/6/2025 2:58:39 AM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K3261.dgn

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.
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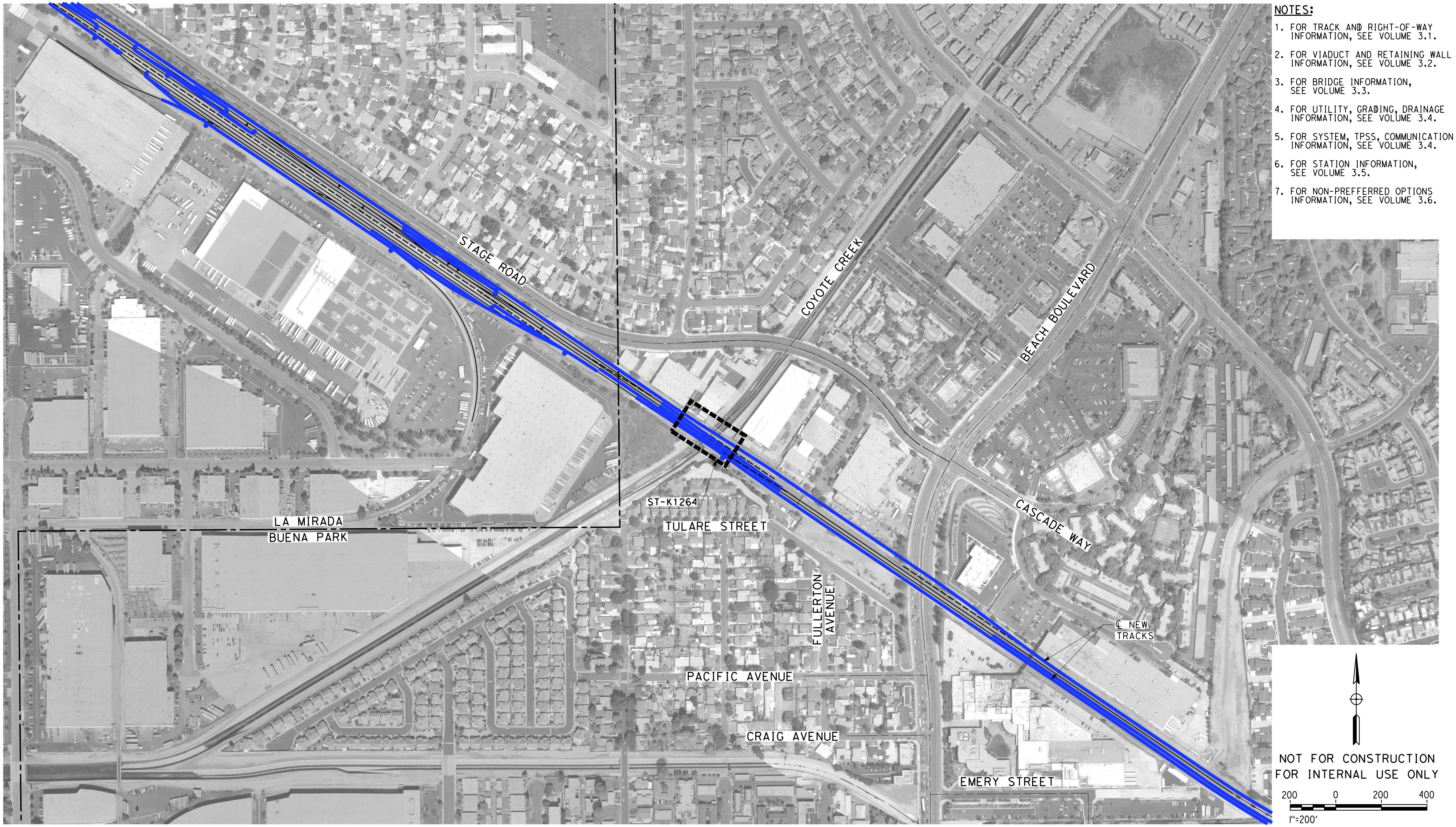
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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

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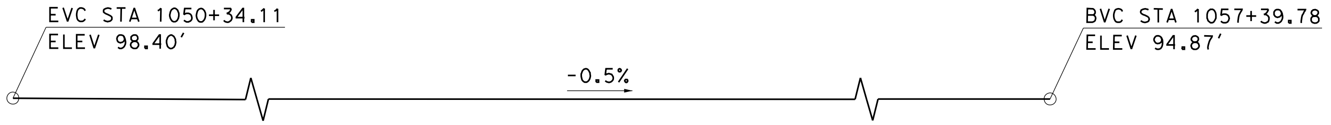
NOT FOR CONSTRUCTION

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

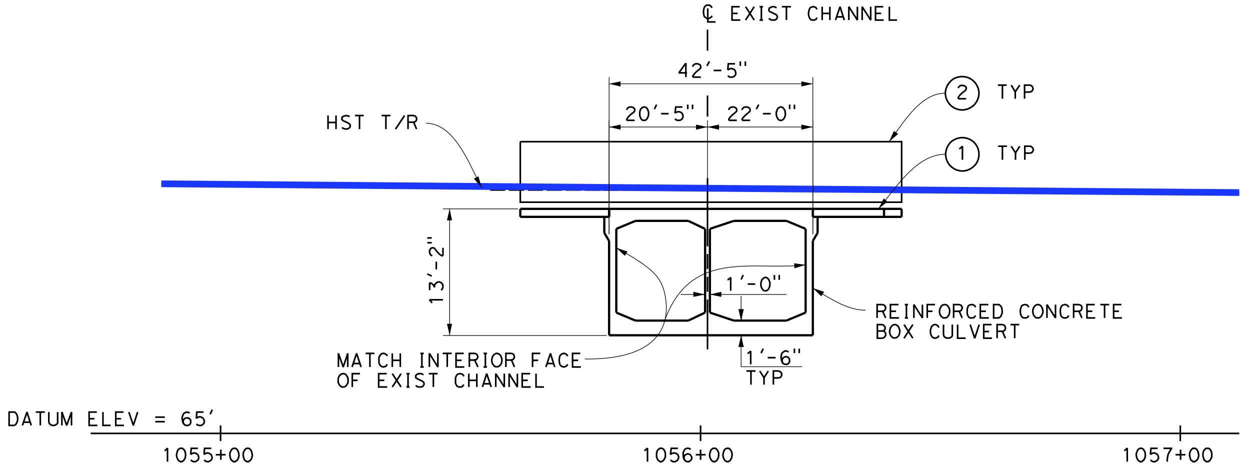
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T0264
SCALE 1" = 200'
SHEET NO.

$PLOT$



TOP OF RAIL PROFILE (M1)

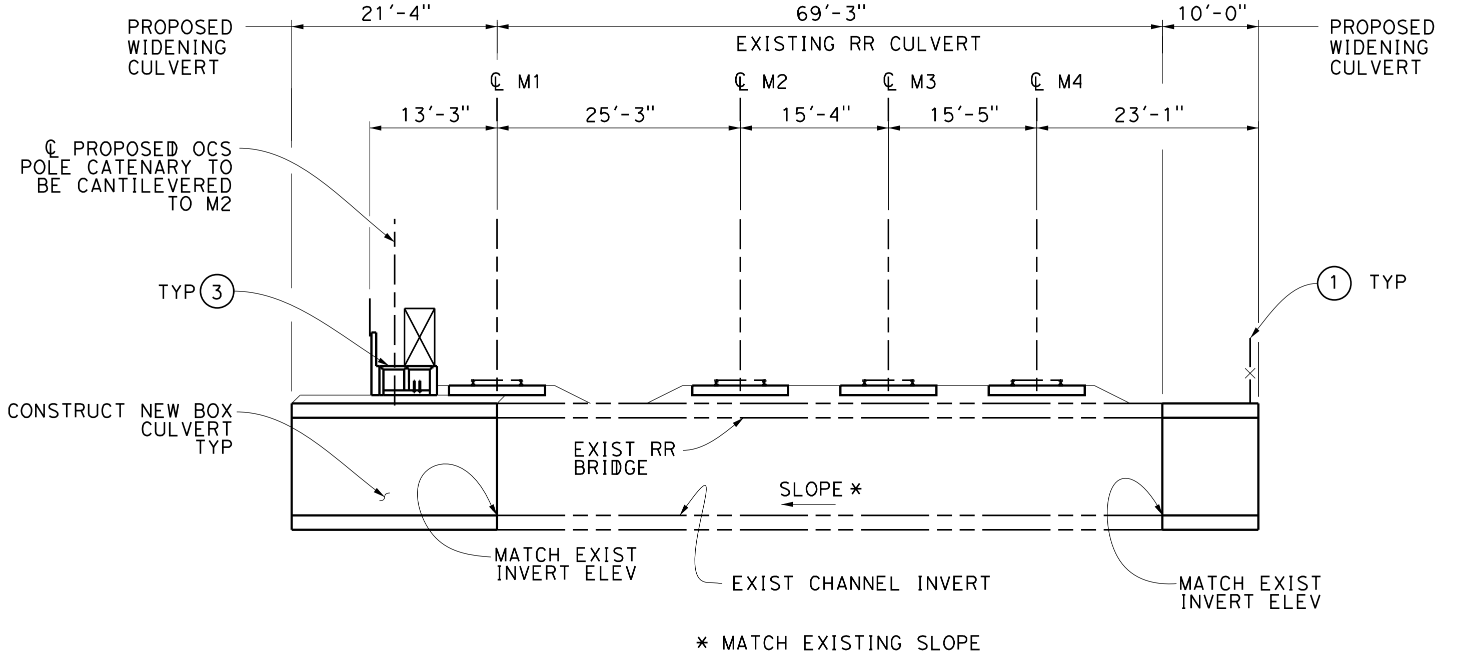
NO SCALE



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

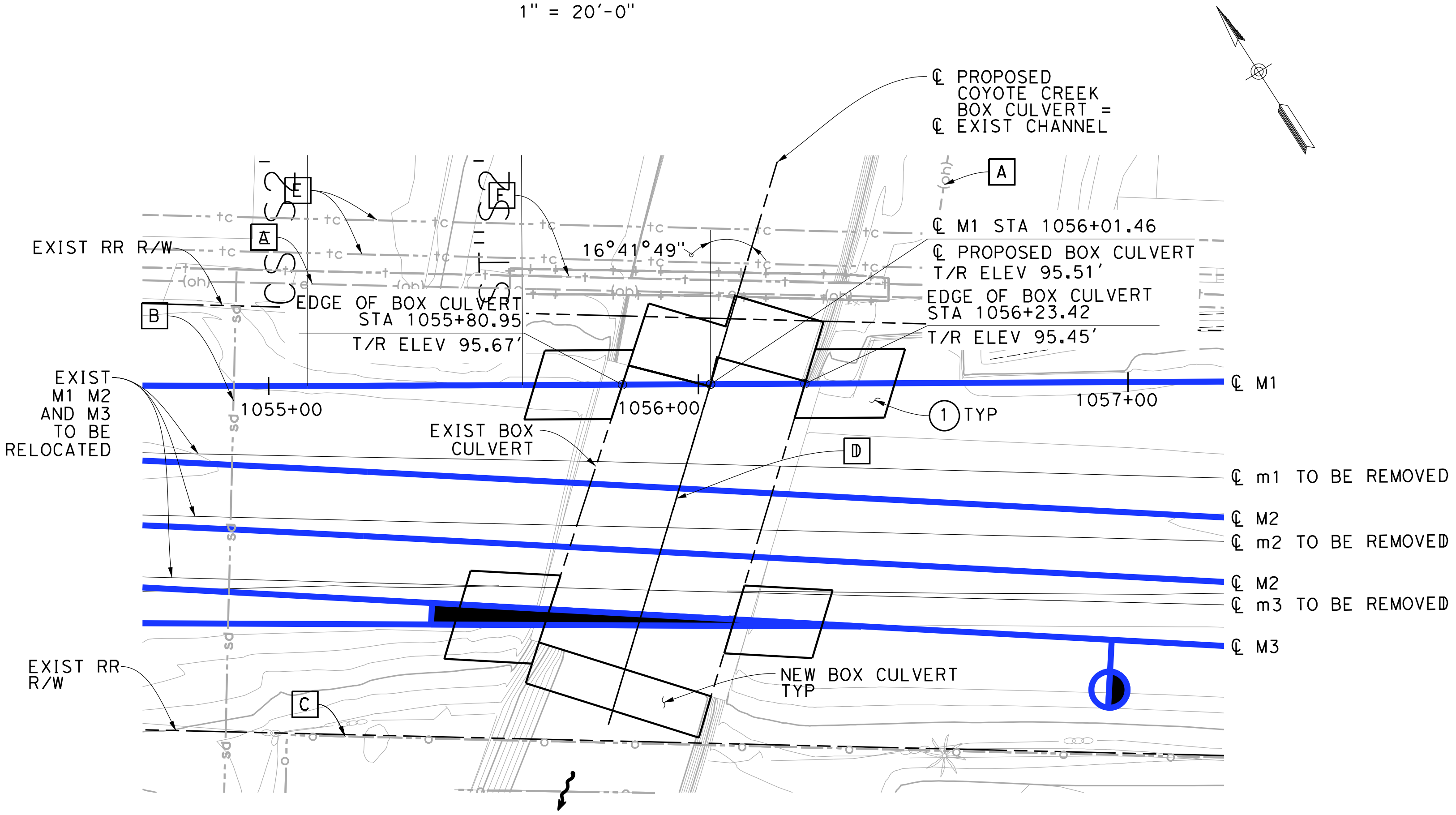
ELEVATION

1" = 20'-0"



LONGITUDINAL SECTION ALONG CL OF CULVERT

1" = 20"



PLAN

1"=20'-0"

NOTES:

① STRUCTURE APPROACH SLAB
② NEW FENCE
③ NEW UTILITY DUCT

EXISTING UTILITIES:

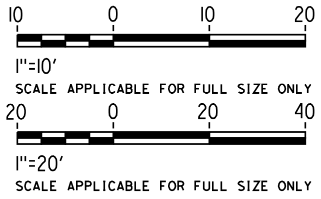
A	EXIST SCE-OC61-7D OVERHEAD ELECTRICAL LINE, CITY OF BUENA PARK (PROTECT IN PLACE)
B	EXIST 9.5' X 8' CONCRETE CULVERT, CITY OF BUENA PARK (PROTECT IN PLACE)
C	EXIST 8" OIL (CHEVRON), CITY OF BUENA PARK (PROTECT IN PLACE)
D	EXIST DOUBLE BOX CHANNEL, CITY OF BUENA PARK (PROTECT IN PLACE)
E	EXIST ELECTRIC 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 VOLUME$_{2030}$:	118	FREIGHT
	60	METROLINK
	40	AMTRAK


10
0
10
20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY
20
0
20
40
1"=20'
SCALE APPLICABLE FOR FULL SIZE ONLY

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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NOT FOR CONSTRUCTION

stv

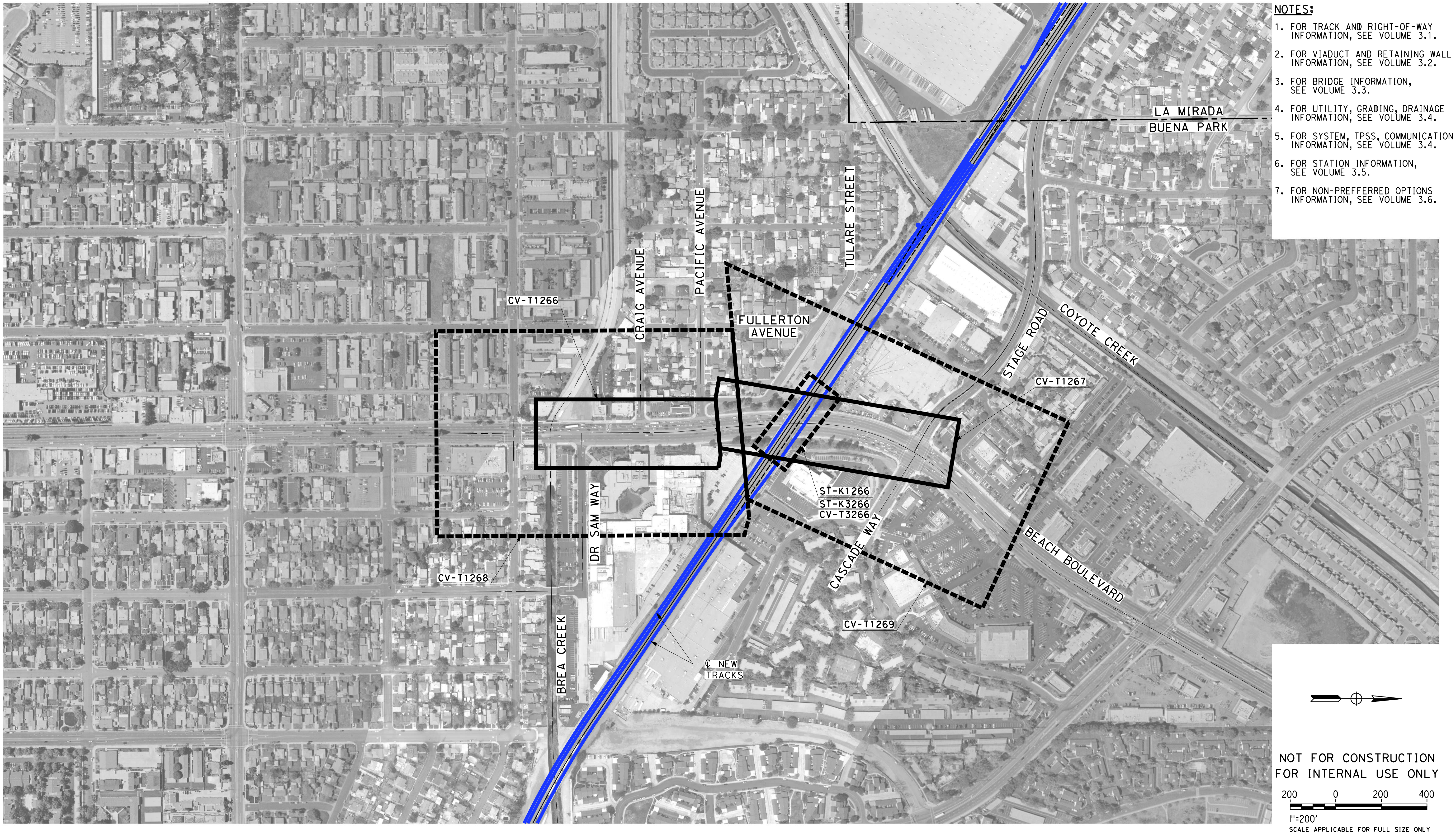
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1264
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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE 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

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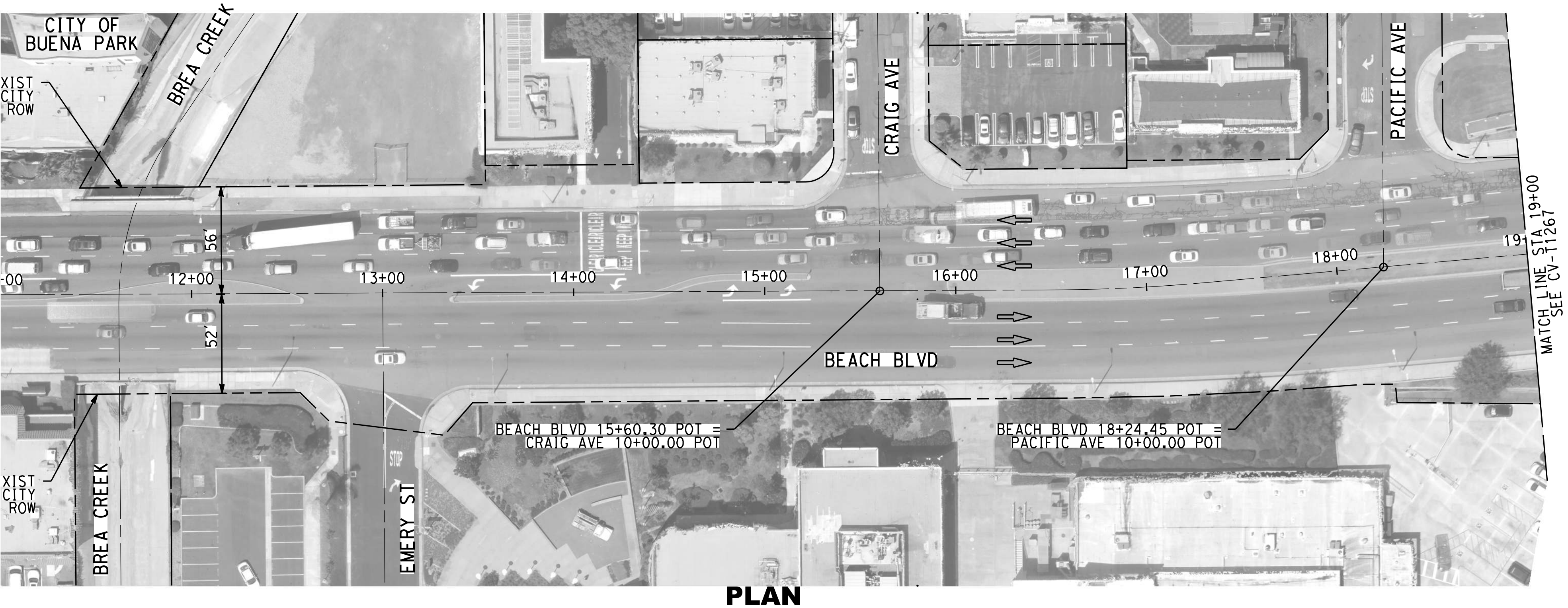
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0266
SCALE
1" = 200'
SHEET NO.

$PLOT$



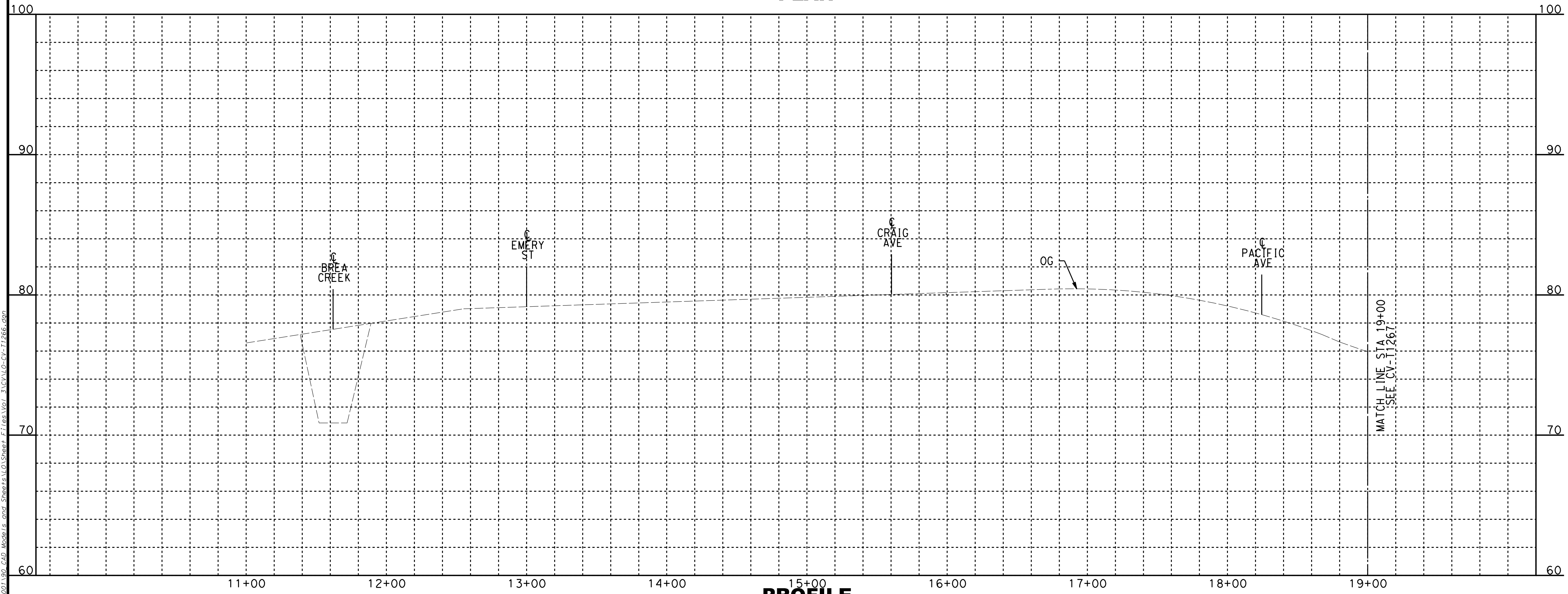
PLAN

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-PREFFERRED 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

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

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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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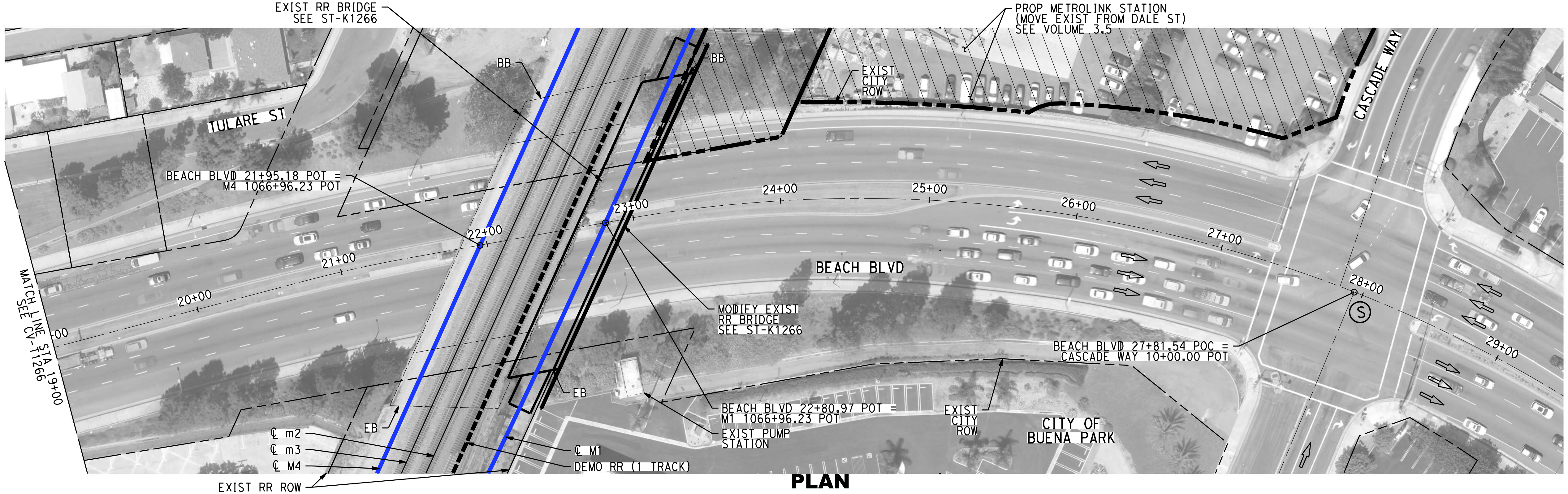

PLAN

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.
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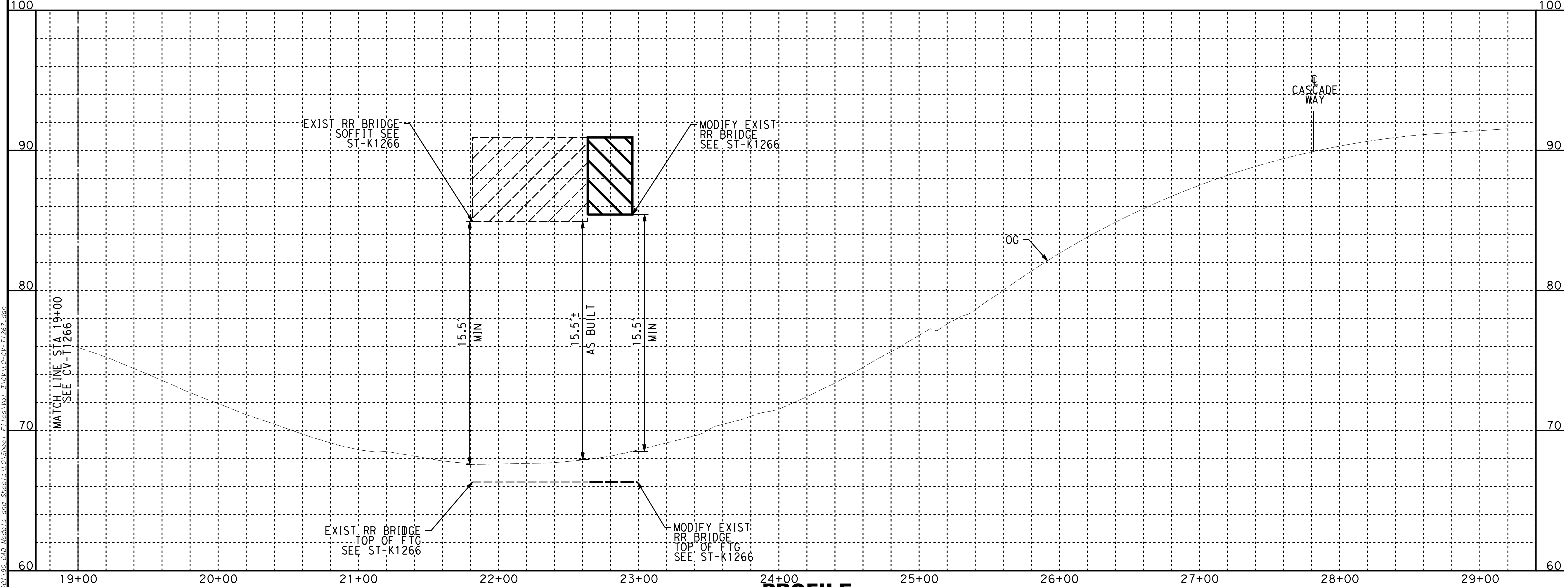
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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

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 - BEACH BLVD
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1267
SCALE
AS SHOWN
SHEET NO.

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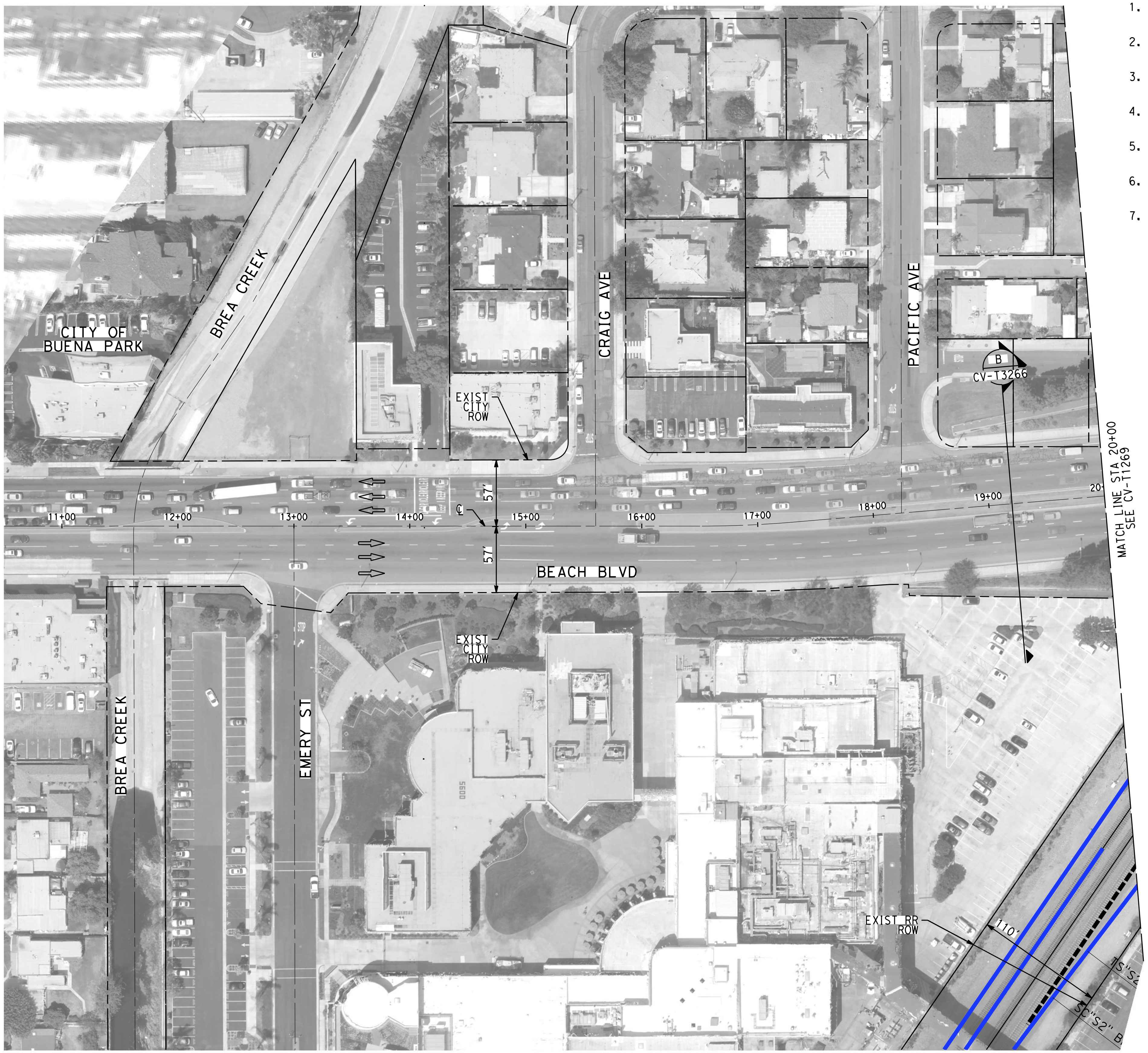
NOTES:

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-PREFFERRED 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

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

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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 - BEACH BLVD
IMPACT PLAN - SHEET 1 OF 2

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

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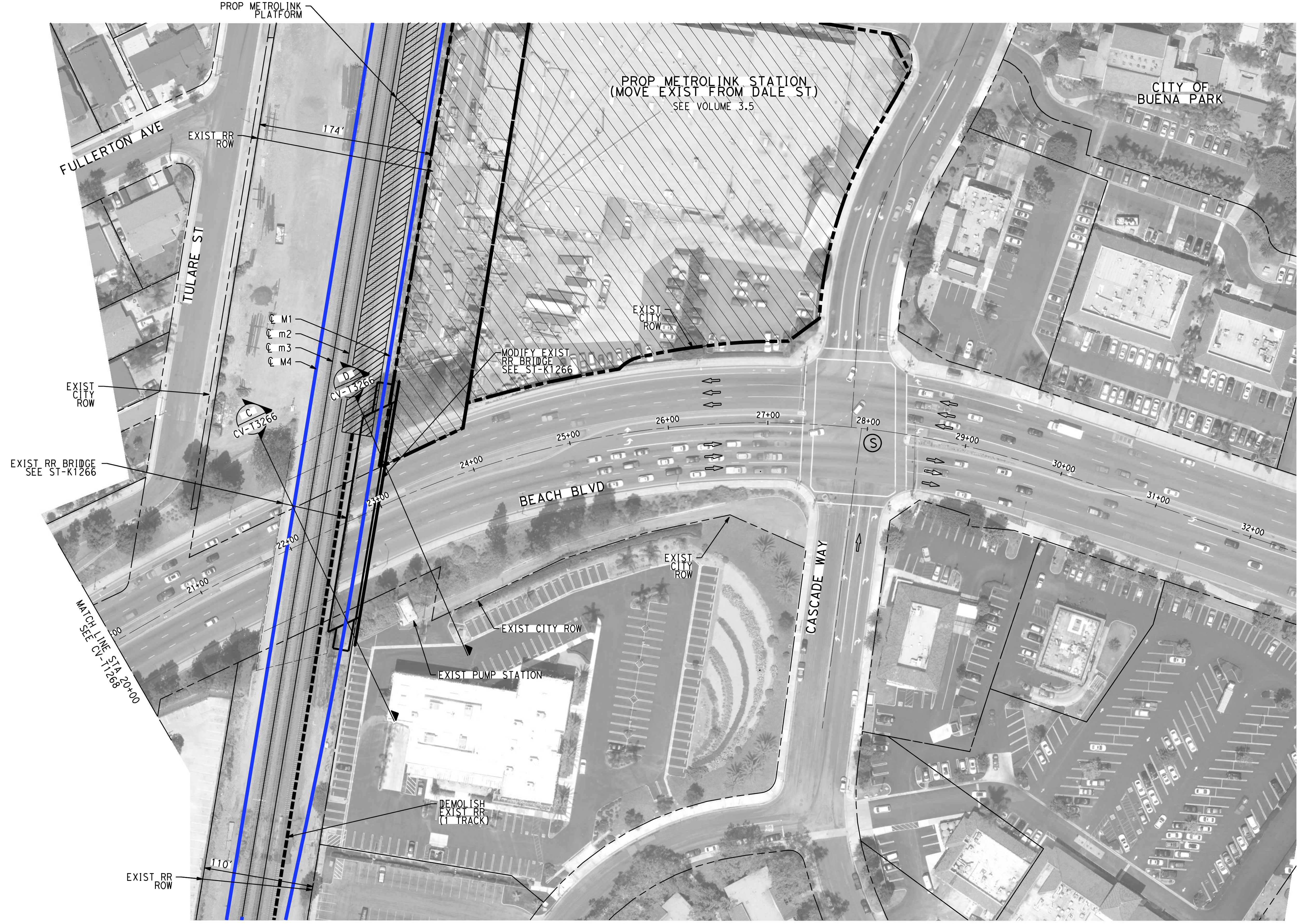

NOTES:

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-PREFFERRED 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

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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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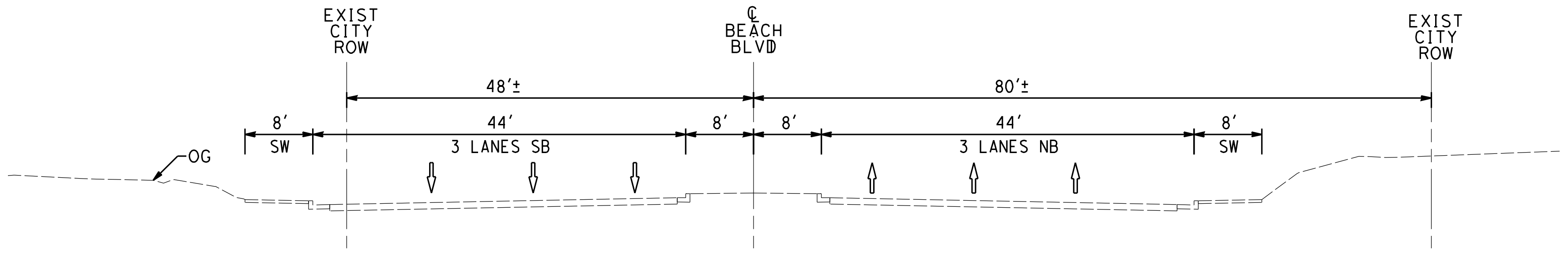
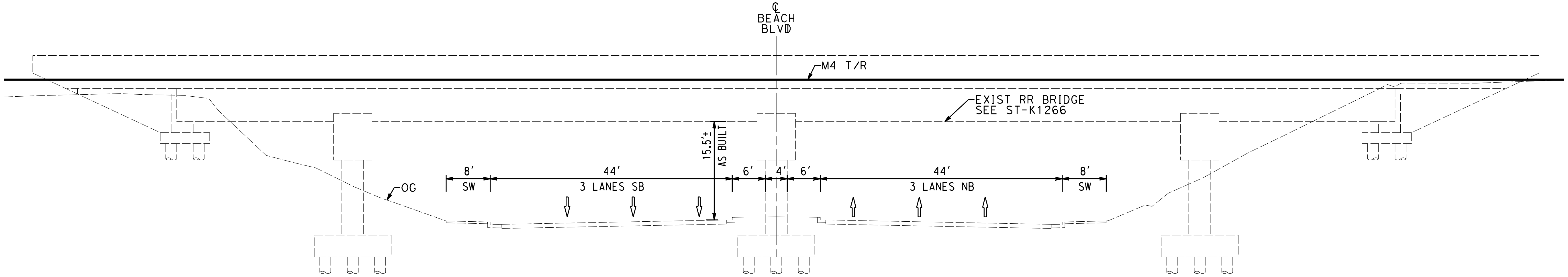
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

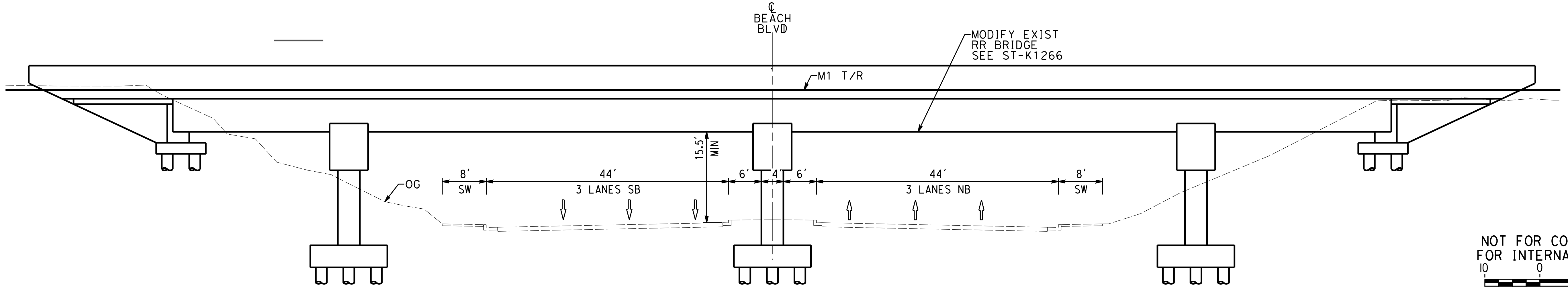
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1269
SCALE AS SHOWN
SHEET NO.



EXIST CONDITION
STA 19+20
CV-T1266 AS SHOWN
B
-



EXIST CONDITION
STA 22+20
CV-T1267 AS SHOWN
C
-



PROP CONDITION
STA 23+20
CV-T1267 AS SHOWN
D
-

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-PREFFERRED 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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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

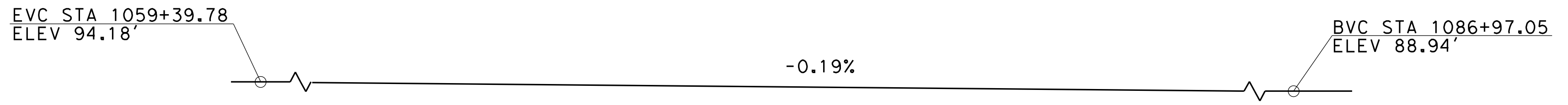
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

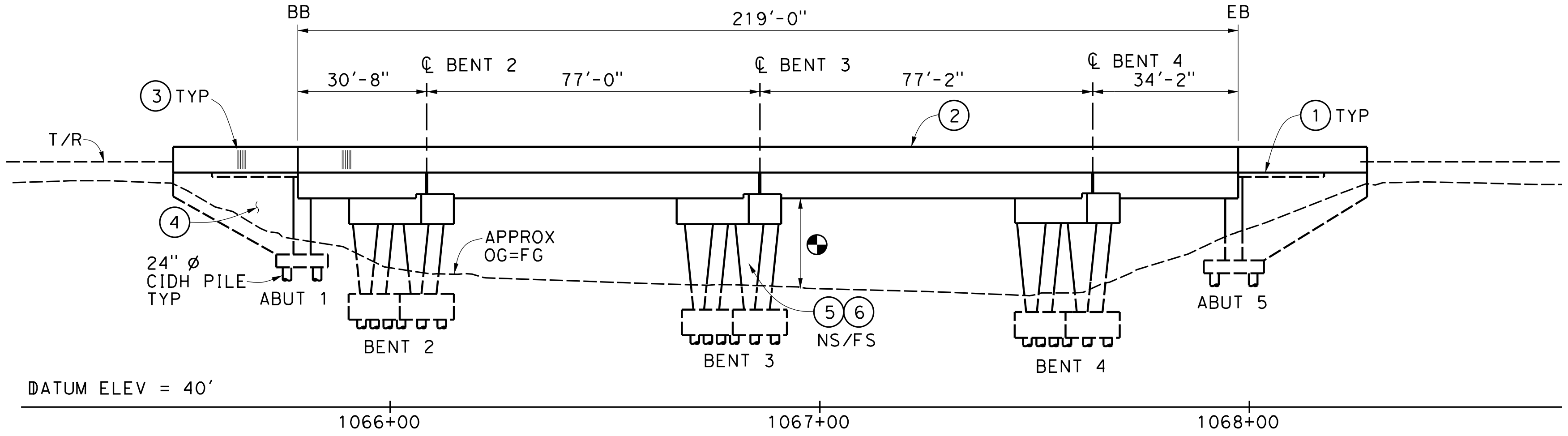
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - BEACH BLVD
CROSS SECTION - SHEET 1 OF 1

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



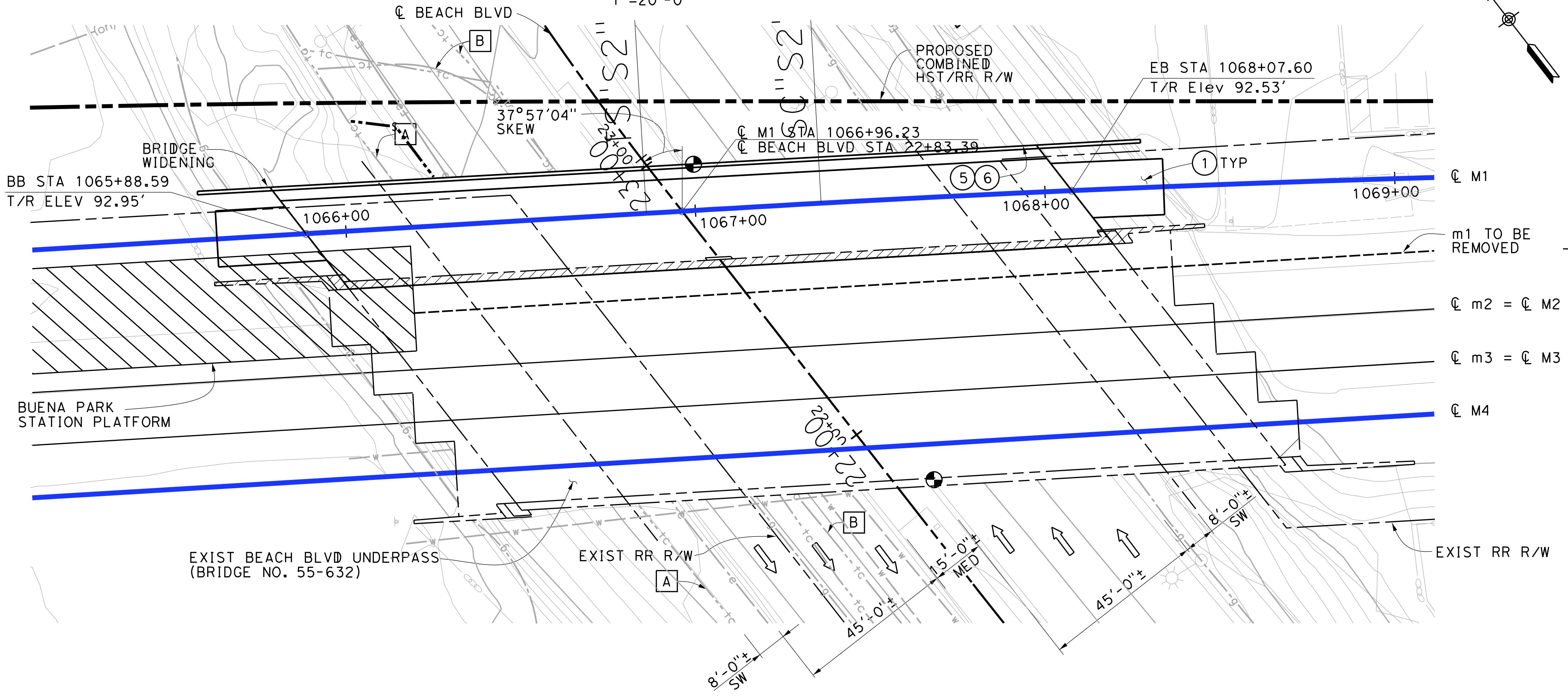
TOP OF RAIL PROFILE (M1)

NO SCALE



MIRROR ELEVATION

1"=20'-0"



PLAN

1"=20'-0"

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:	fs = 24,000 PSI, n = 10 fc = 1,800 PSI (f'c = 3.250 PSI @ 28 DAYS)
WORKING FORCE IN PRESTRESSING STRANDS	
SPAN 1 & 4:	Pf = 330 K PER BOX GIRDER
SPAN 2 & 3:	Pf = 1319 K PER BOX GIRDER
STEEL STRESS @ RELEASE:	Fsi = 189 KSI
FOOTING PREASURE:	3 TONS PSF
PILE LOADING	
ABUT 1 & 5:	150 TONS
BENT 2, 3, & 4:	200 TONS
REINFORCMENT	
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" ⌀ CIDH PILE, L = 60' 180 KIPS @ SERVICE
PIER:	ASSUME 24" ⌀ CIDH PILE, L = 80' 500 KIPS @ NOMINAL

TRAFFIC (PER DAY):

ADT_{2012}: 6500
ADT_{2030}: N/A
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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

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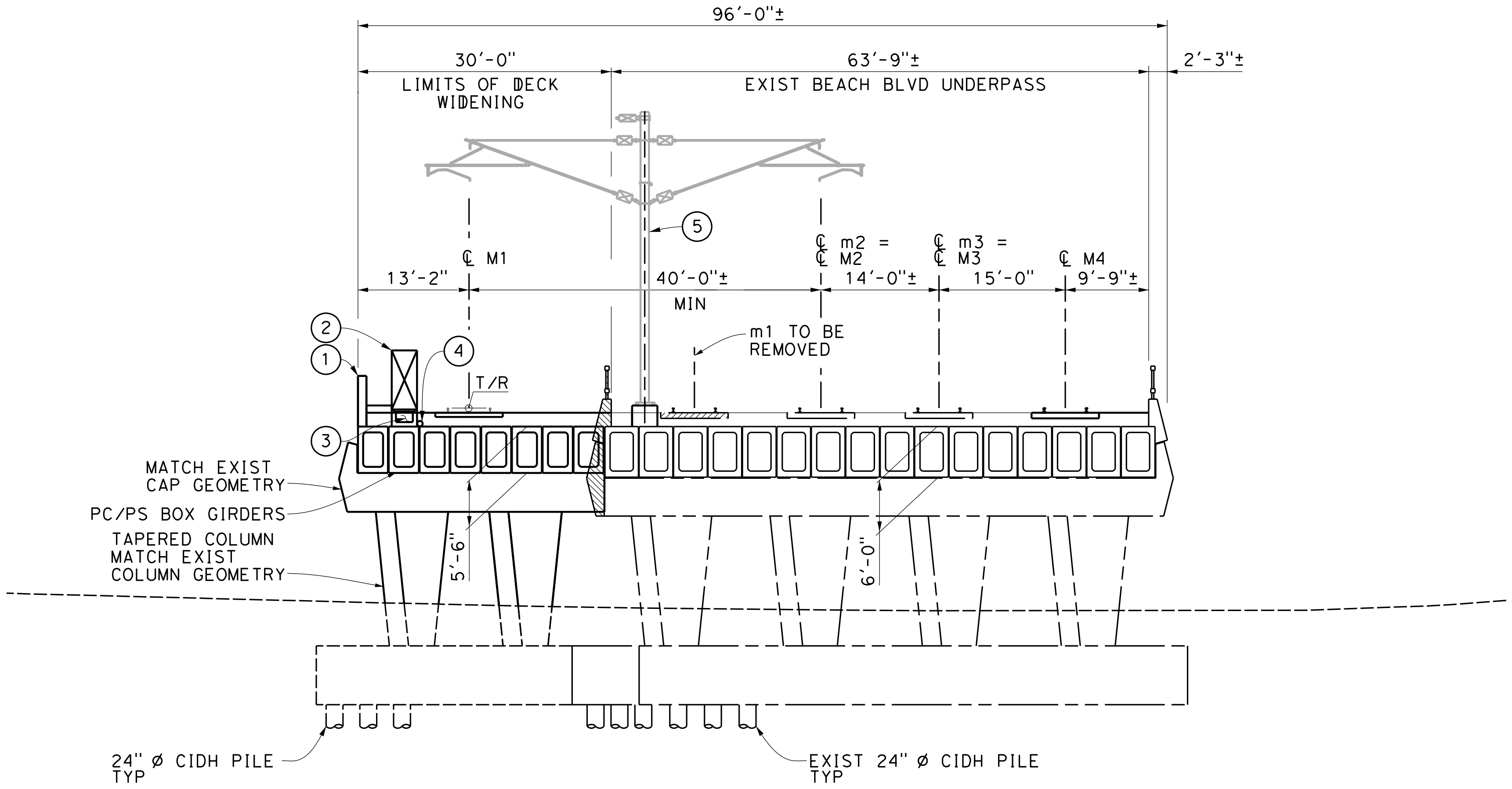
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1266
SCALE AS SHOWN
SHEET NO.

2/6/2025 3:01:37 AM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K1266.dgn
ChiangM



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 ℄ BRIDGE.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE 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 - BEACH BLVD
STRUCTURAL SECTION

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

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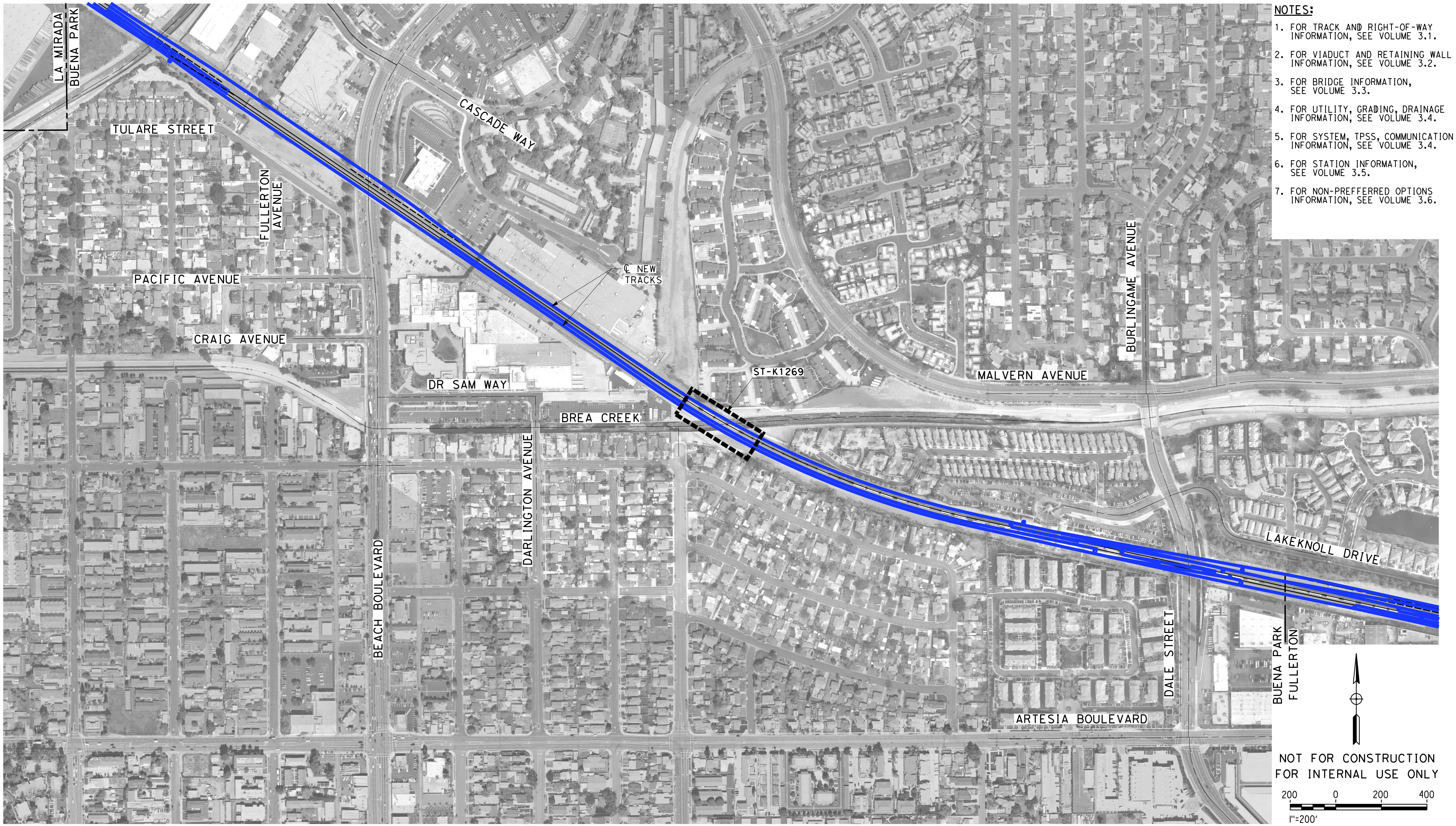
ChiangM



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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

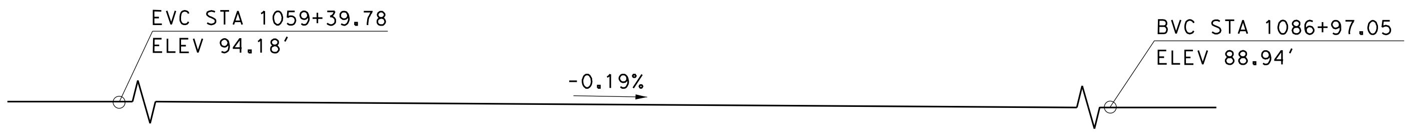
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

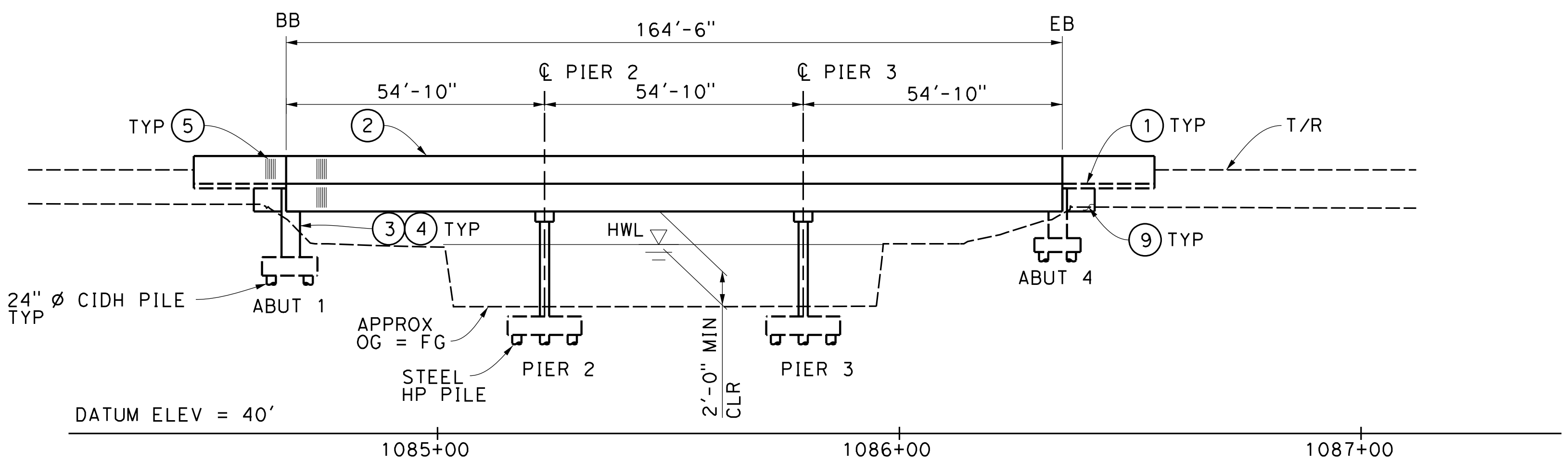
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0269
SCALE
1" = 200'
SHEET NO.

$PLOT$



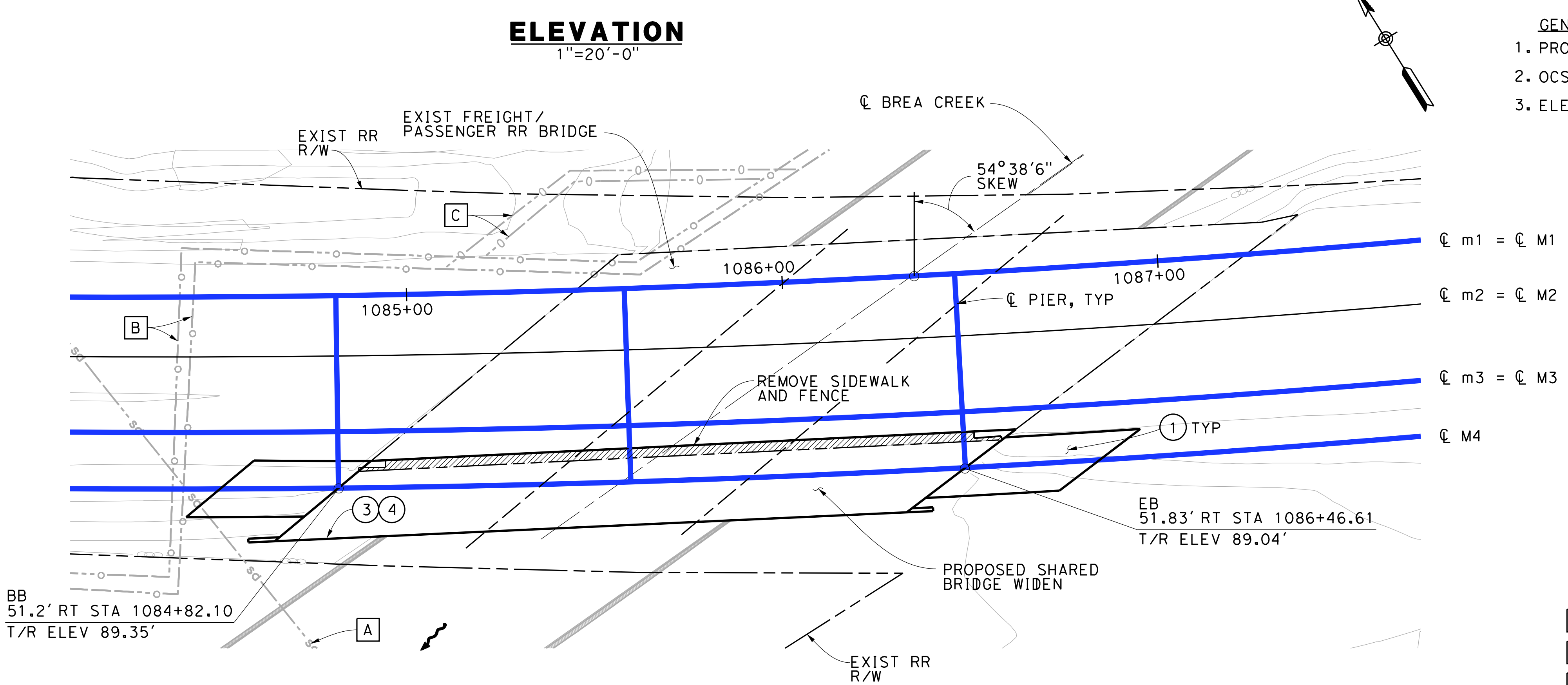
TOP OF RAIL PROFILE (M1)

NO SCALE



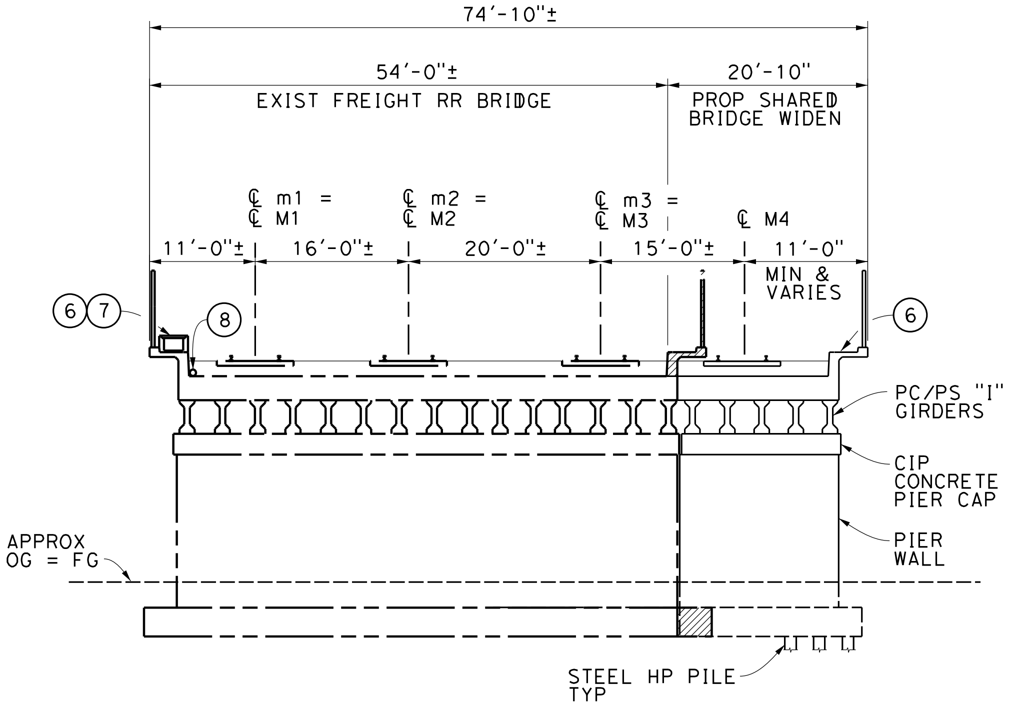
ELEVATION

1"=20'-0"



PLAN

1"=20'-0"



TYPICAL SECTION

1" = 10'-0"

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. ELECTRIFIED TRACKS ON NORTH SIDE

NOTES:

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

FOUNDATION:

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

PIER: ASSUME STEEL HP PILES, L = 60'
280 KIPS @ NOMINAL

TRAFFIC (PER DAY):

TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

LEGEND:

—— —	INDICATES EXISTING FEATURES
〰	INDICATES DIRECTION OF FLOW
▨	LIMITS OF EXIST BRIDGE REMOVAL
▽	INDICATES HIGH WATER LEVEL (100 YEAR STORM)
(M)	PROPOSED ALIGNMENT
(m)	EXISTING ALIGNMENT

EXISTING UTILITIES:

A	EXIST 48" VCP STORM DRAIN, OCFCD (PROTECT IN PLACE)
B	EXIST OIL LINE, (RELOCATE)
C	PROPOSED RELOCATED OIL LINES

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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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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 - BREA CREEK
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1269
SCALE AS SHOWN
SHEET NO.

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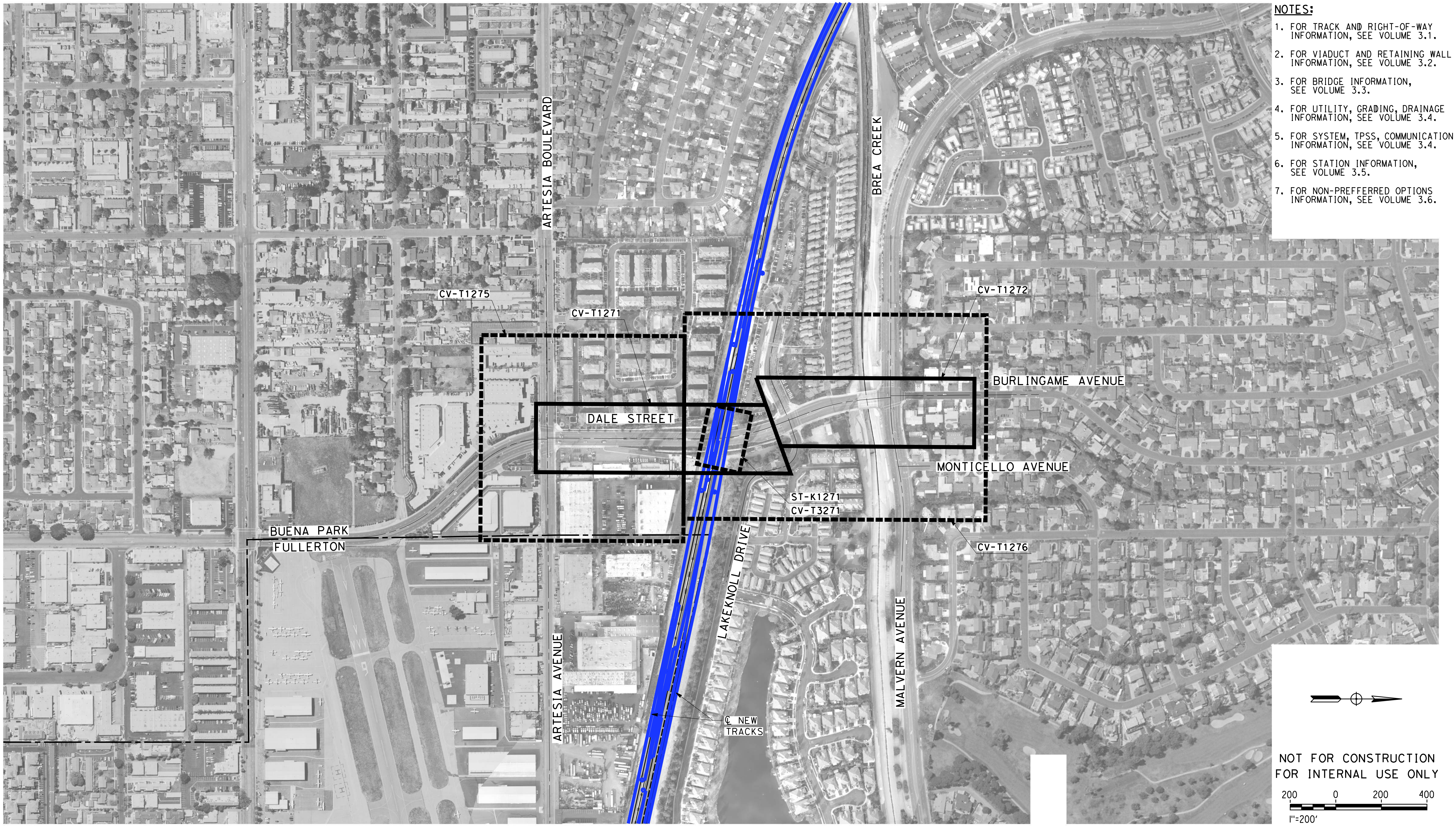


NOTES:

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-PREFFERRED 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

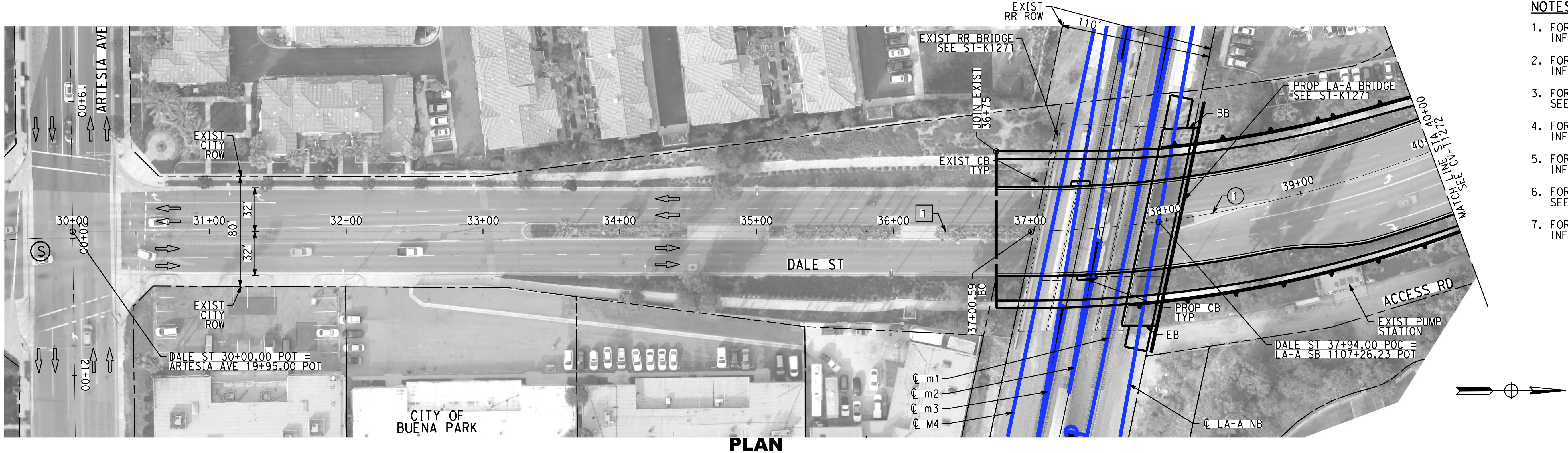
stv

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
ORIENTATION MAP

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

$PLOT$



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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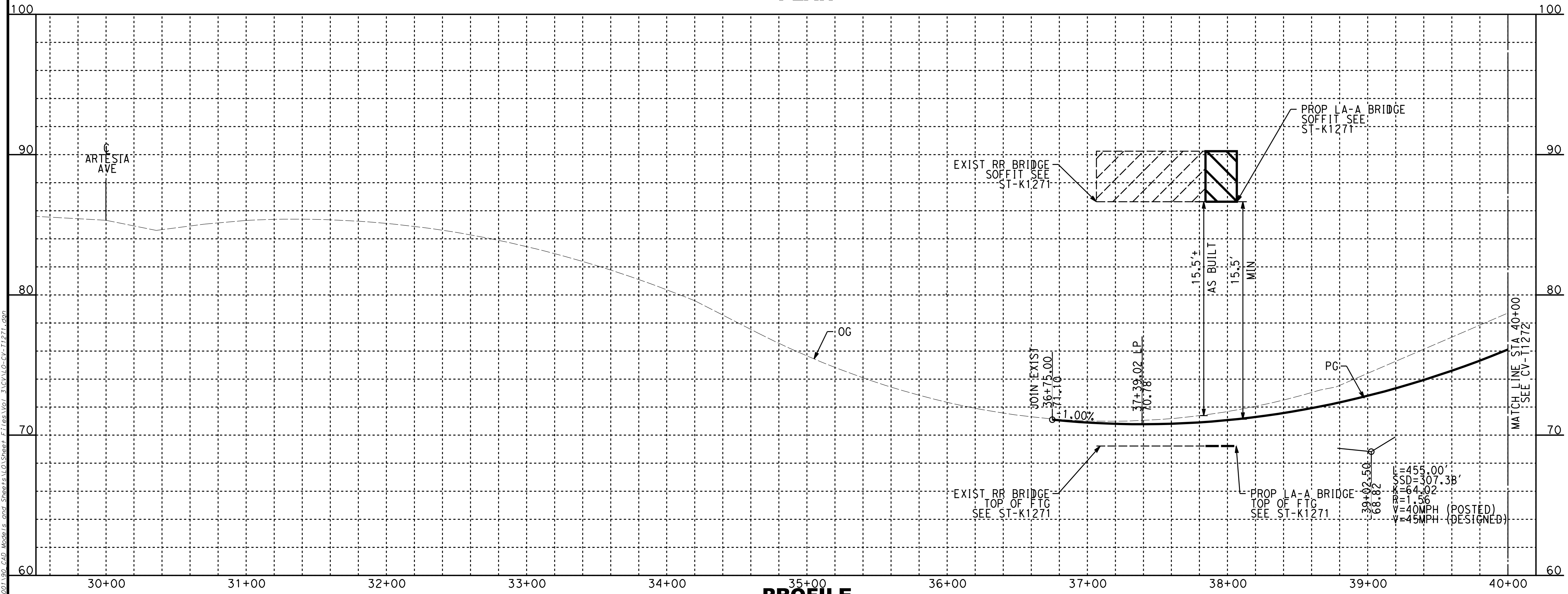
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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

CURVE DATA

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



PROFILE

LINE DATA

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

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 - DALE ST
PLAN AND PROFILE - SHEET 1 OF 2

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

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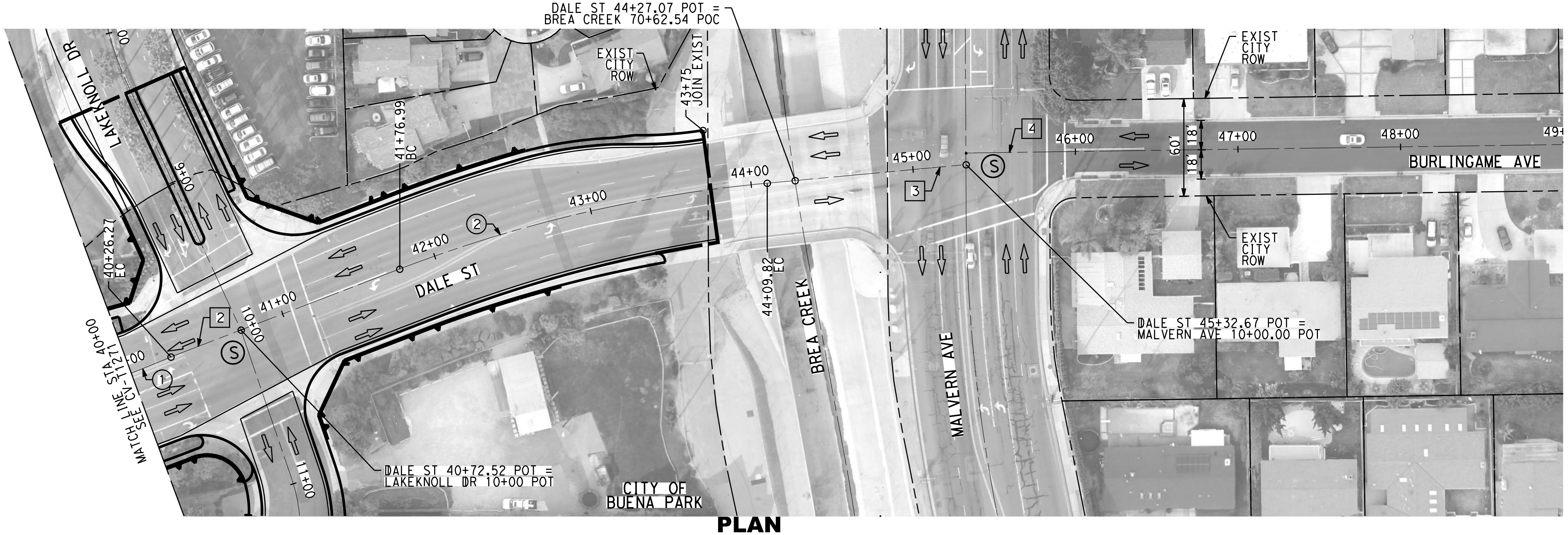

PLAN

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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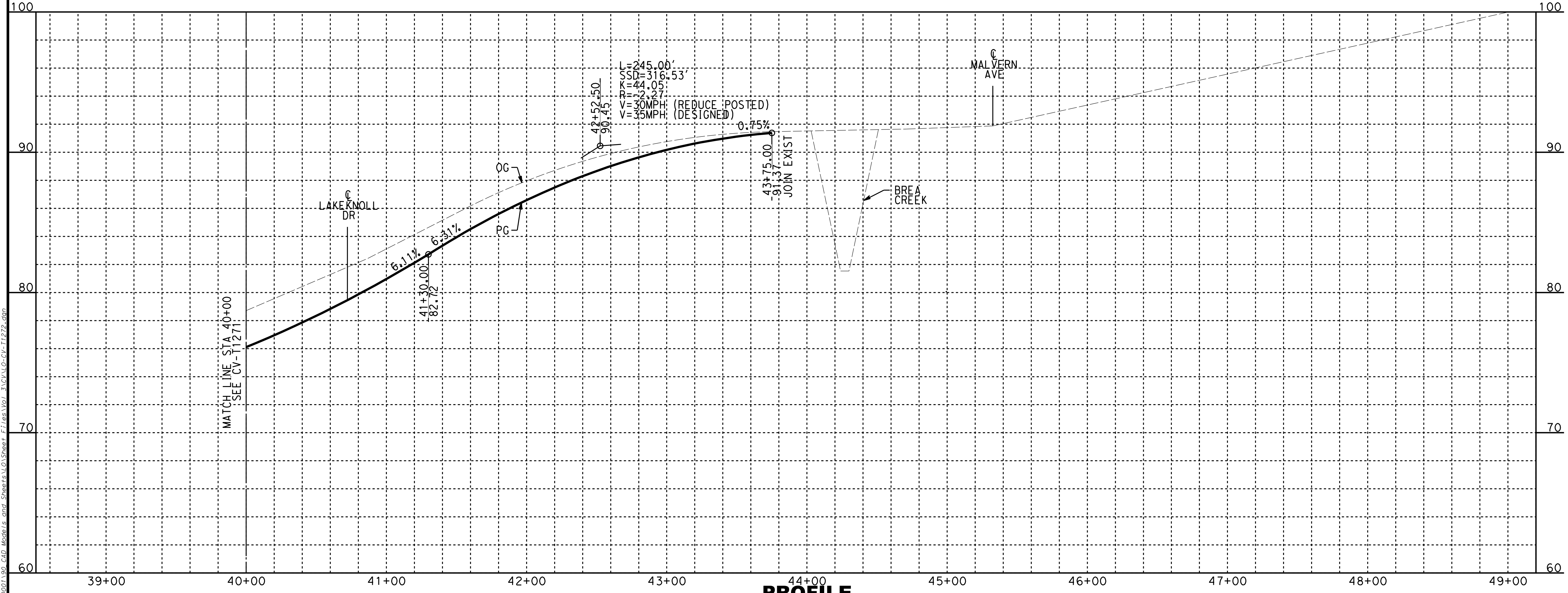
NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

CURVE DATA

NO	R	Δ	T	L
①	850.00'	21°57'11"	164.86'	325.68'
②	850.00'	15°41'39"	117.15'	232.83'



PROFILE

LINE DATA

NO	BEARING	DISTANCE
2	N20°41'39"W	150.72'
3	N05°00'00"W	122.85'
4	N00°29'58"W	650.00'

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

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
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1272
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.
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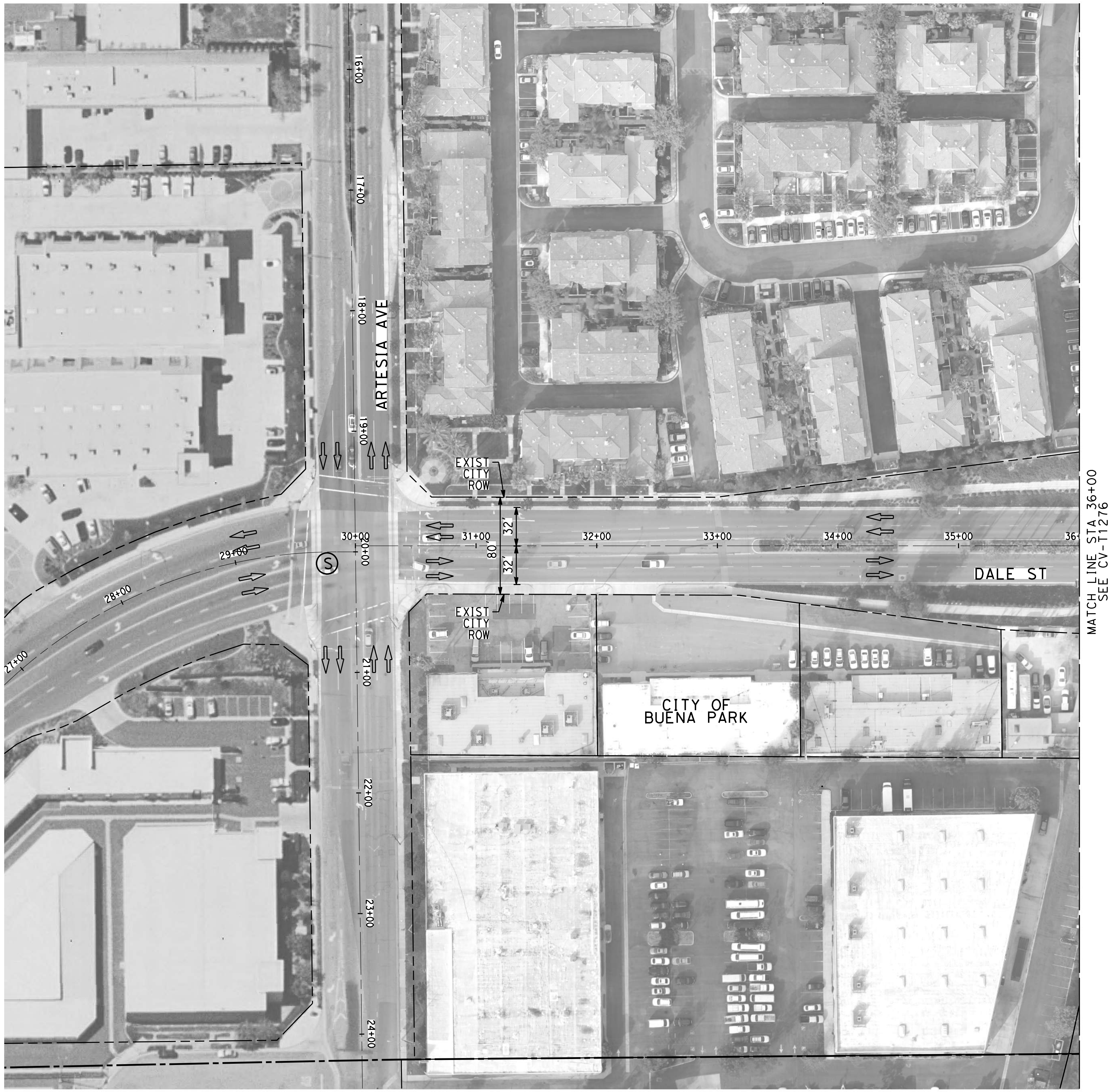

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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 - DALE ST
IMPACT PLAN - SHEET 1 OF 2

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

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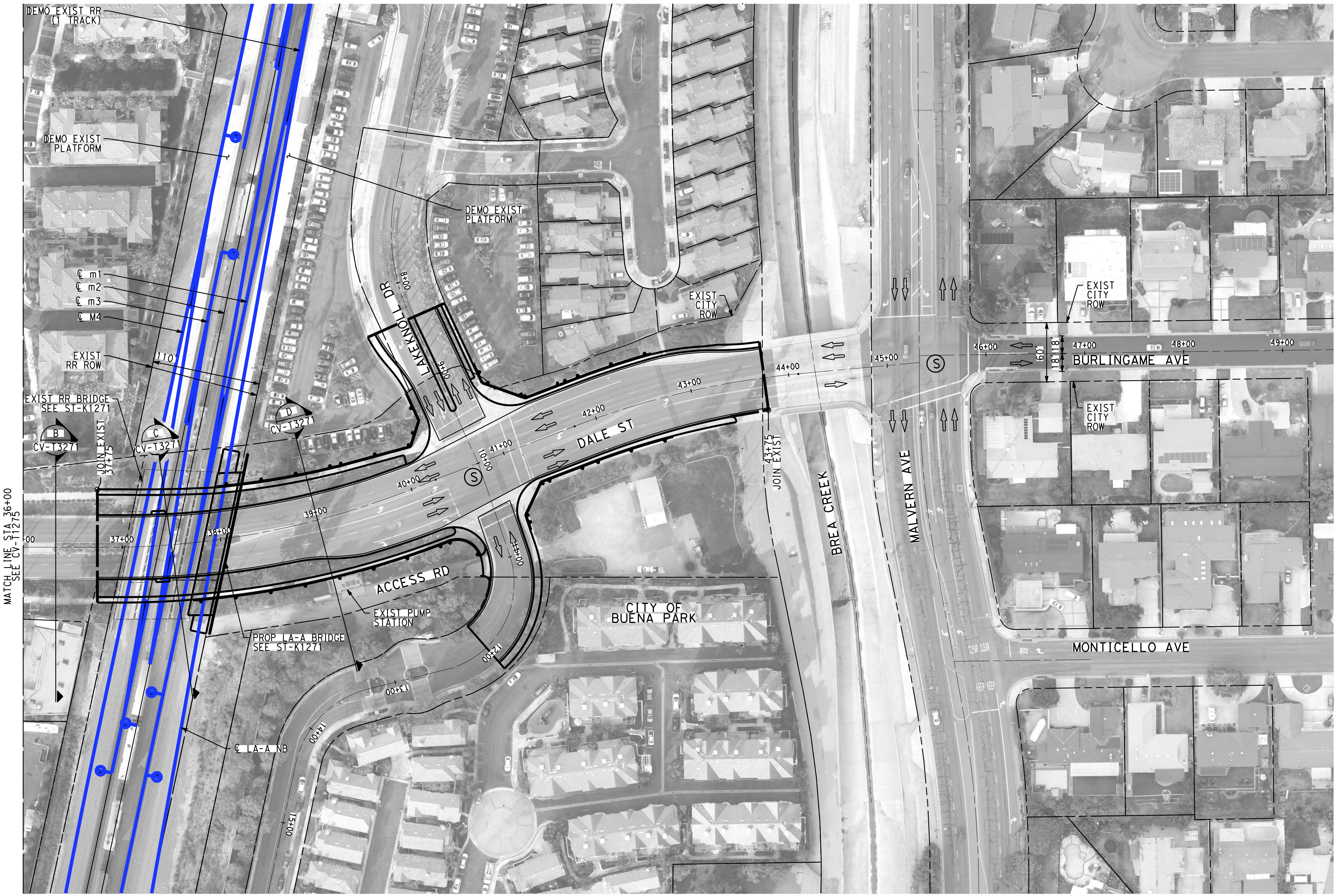

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

ChiangM 2/6/2025 3:04:08 AM 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

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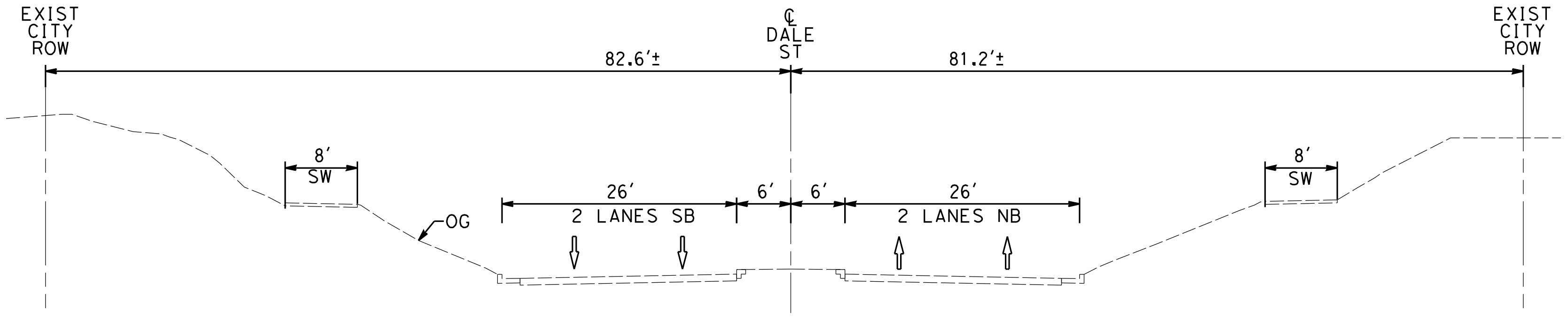
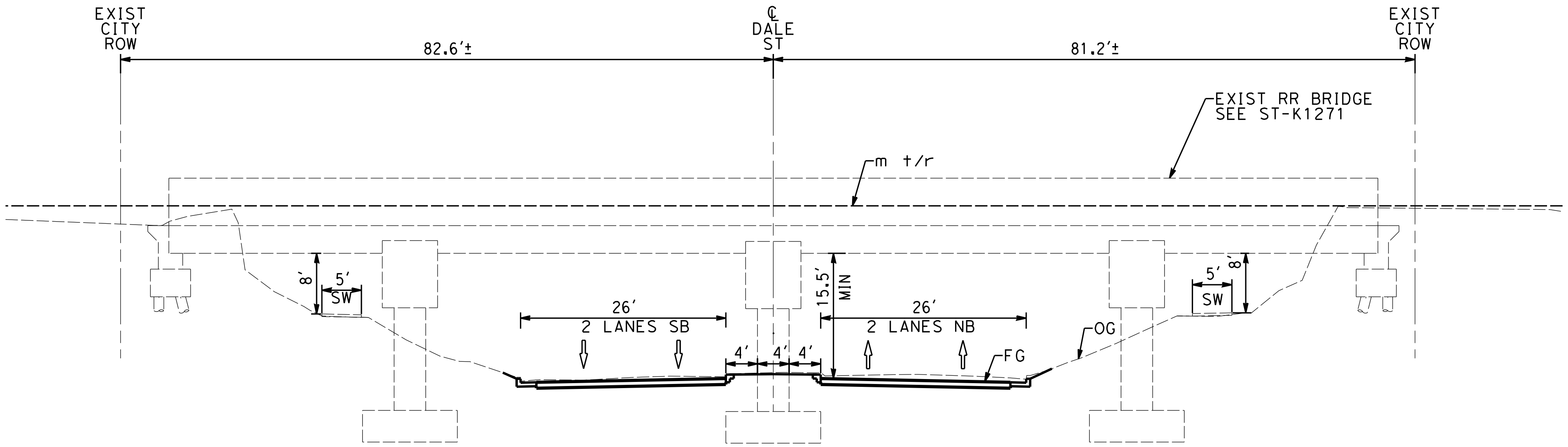
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

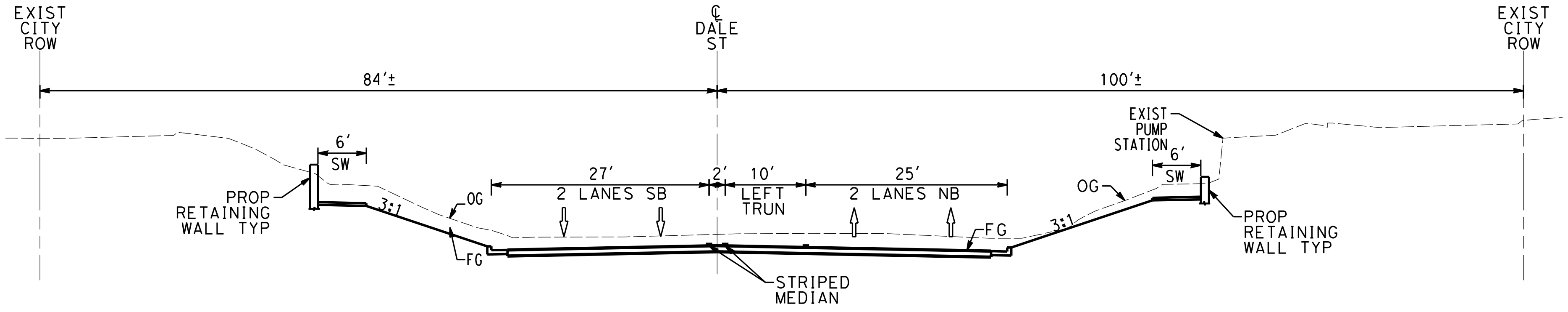
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1276
SCALE AS SHOWN
SHEET NO.



EXIST CONDITION
STA 36+50
CV-T1276 AS SHOWN
B
-



PROP CONDITION
STA 37+50
CV-T1276 AS SHOWN
C
-



PROP CONDITION
STA 39+00
CV-T1276 AS SHOWN
D
-

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-PREFFERRED 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

ChiangM 2/6/2025 3:04:12 AM 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
FOR INTERNAL
USE ONLY

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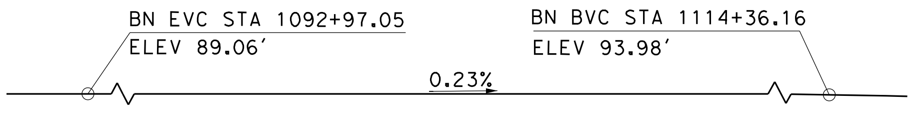
CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

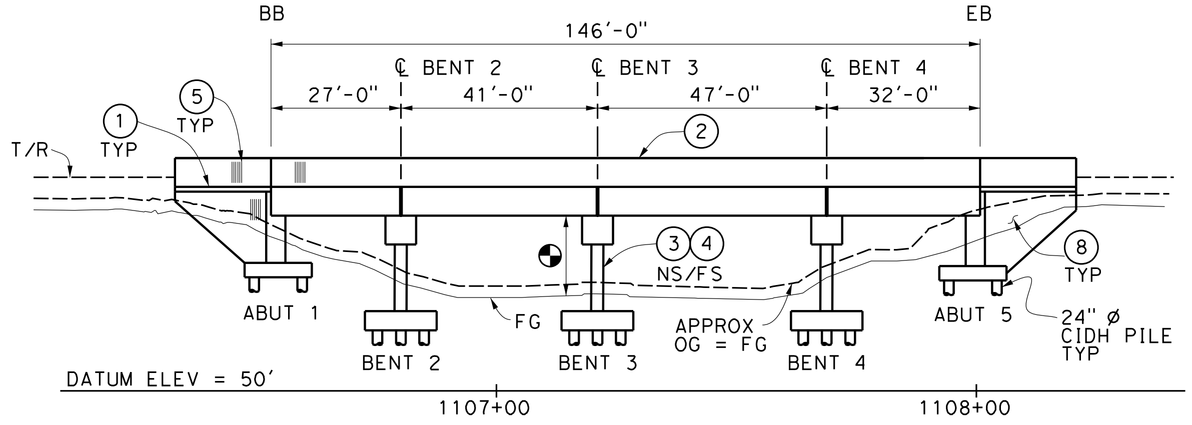
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - DALE ST
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3271
SCALE
AS SHOWN
SHEET NO.



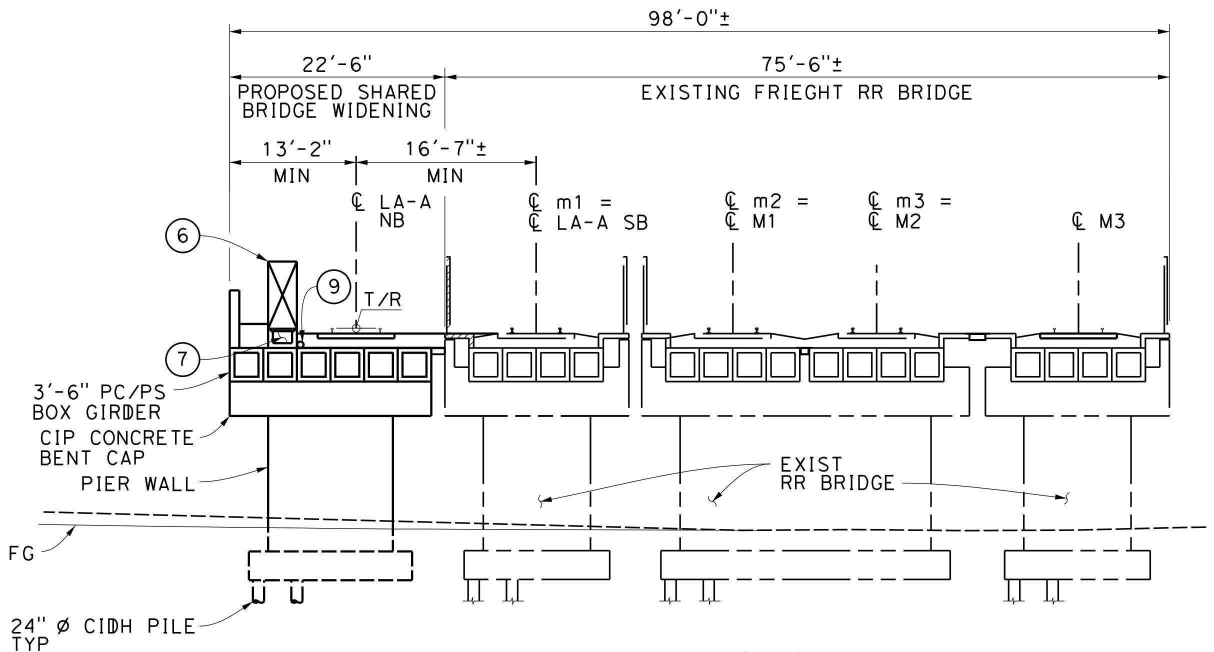
PROFILE GRADE (LA-A SB)

NO SCALE



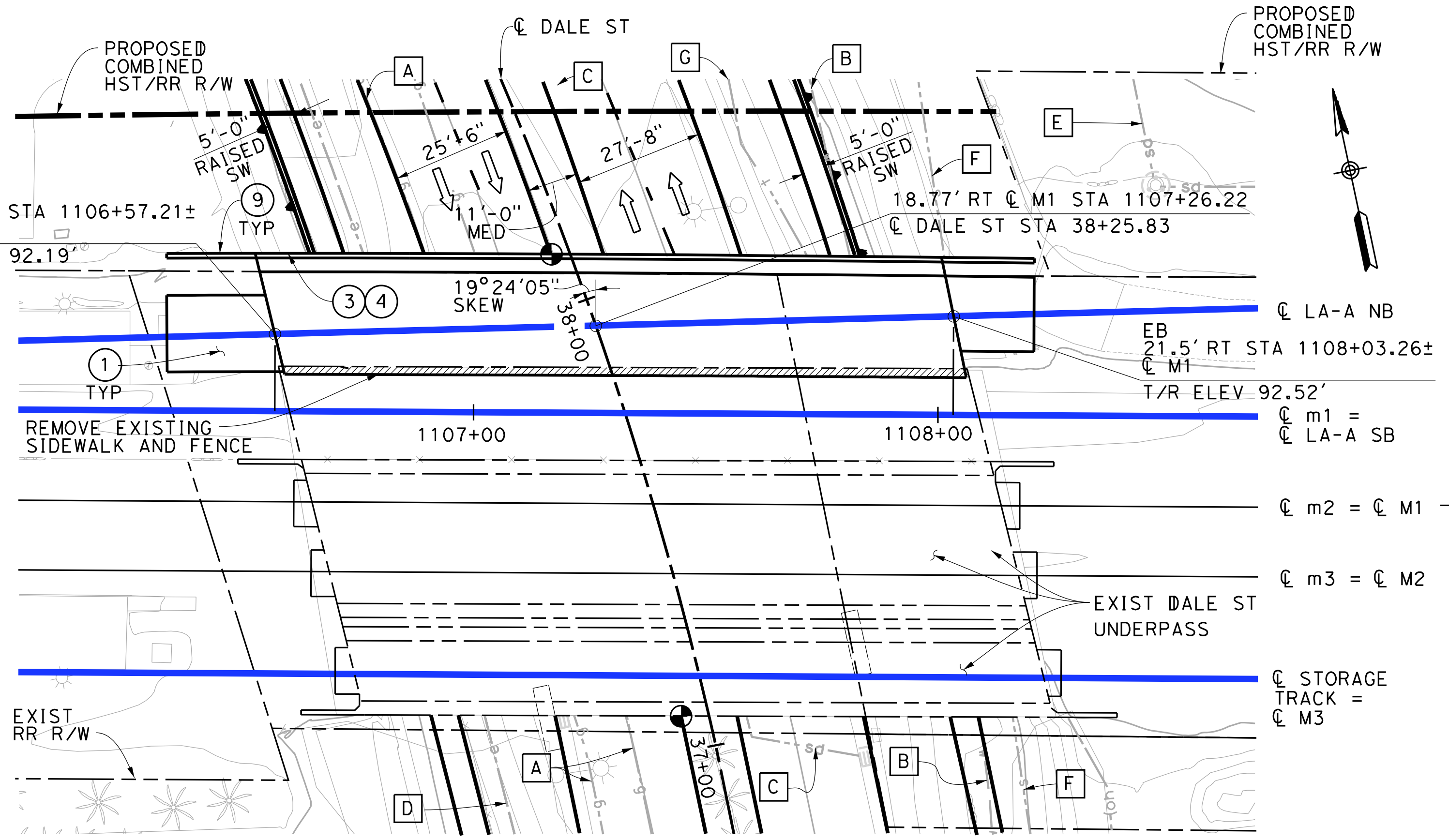
MIRROR ELEVATION

1"=20′-0"



TYPICAL SECTION

1" = 10′-0"



PLAN

1"= 20′-0"

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 ℄ 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.

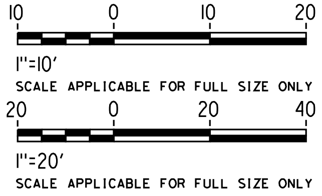
FOUNDATION:

ABUTMENTS:	ASSUME 24" ø CIDH, L = 60′ 148 KIPS @ SERVICE
BENT:	ASSUME 24" ø CIDH, L = 80′ 500 KIPS @ NOMINAL

TRAFFIC (PER DAY):

ADT_{2012}: 16000
ADT_{2030}: NOT AVAILABLE AT THIS TIME

TRAIN VOLUME$_{2030}$:	118	FREIGHT
	60	METROLINK
	40	AMTRAK



SCALE APPLICABLE FOR FULL SIZE ONLY

SCALE APPLICABLE FOR FULL SIZE ONLY

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

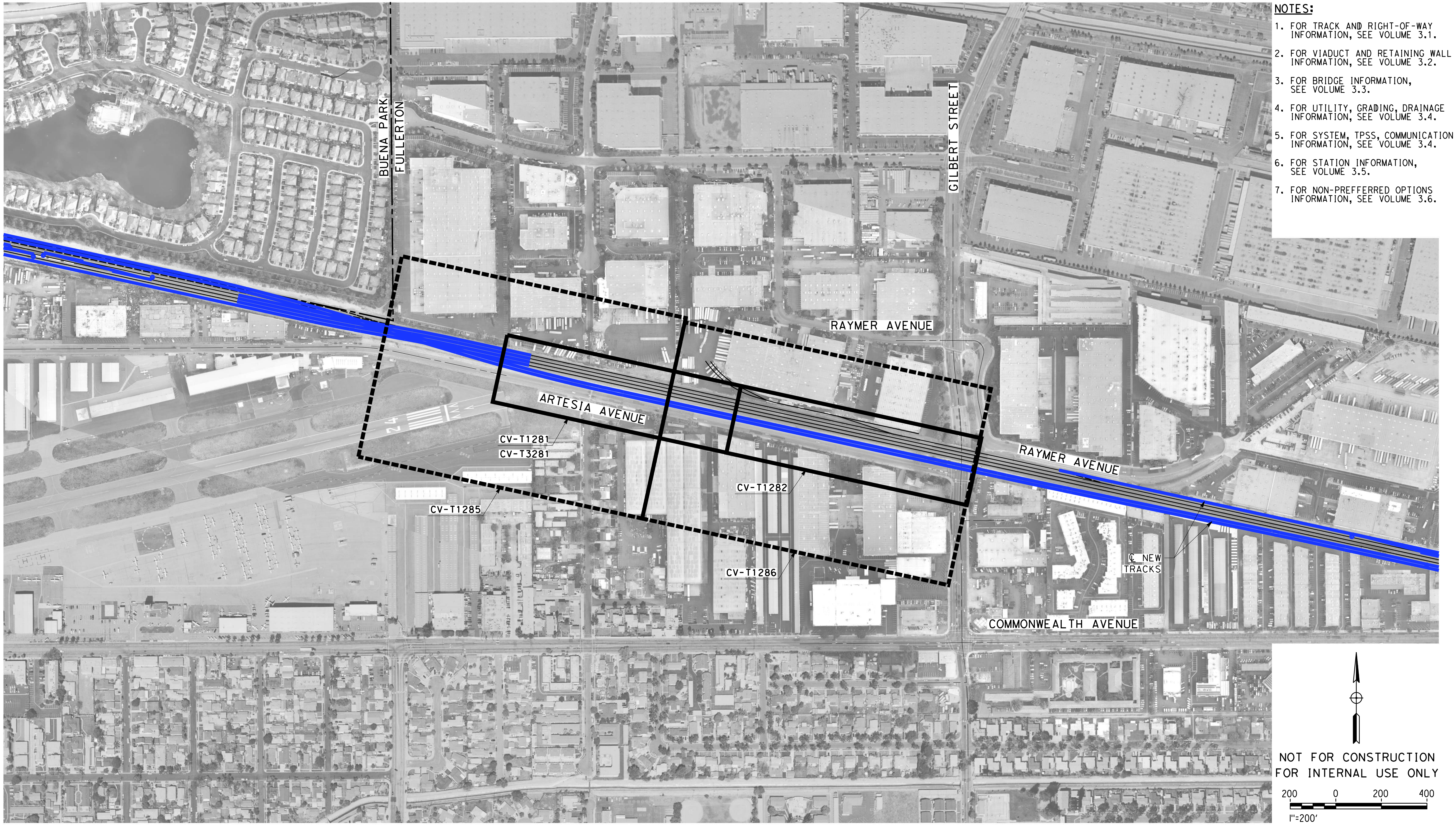
stv

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.

ChiangM 2/6/2025 3:04:18 AM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K1271.dgn



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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

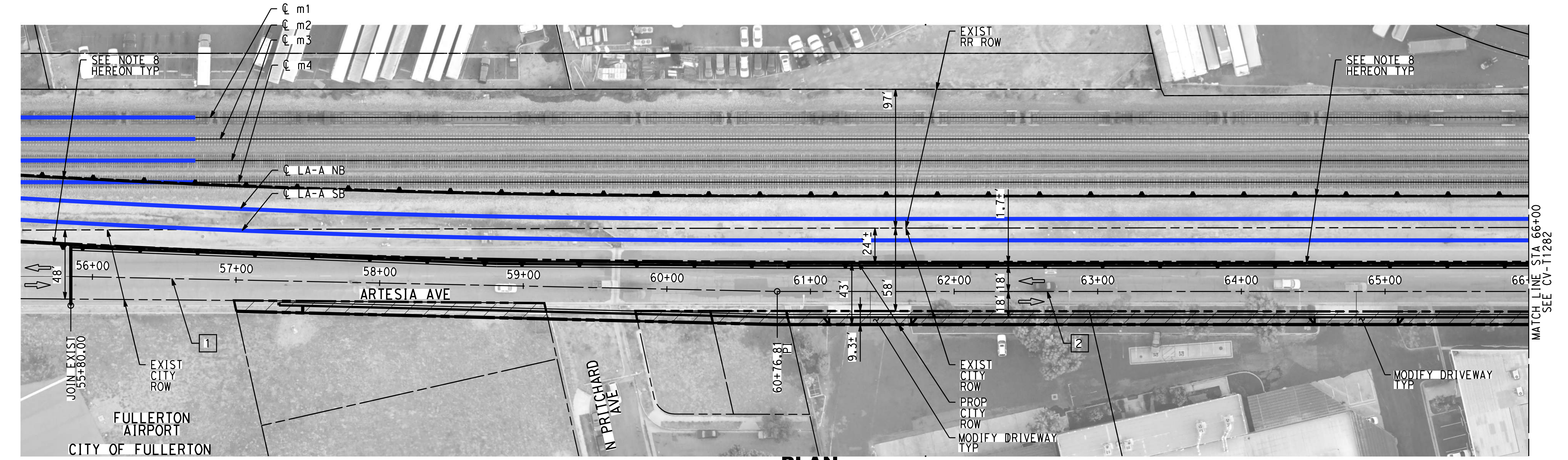
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

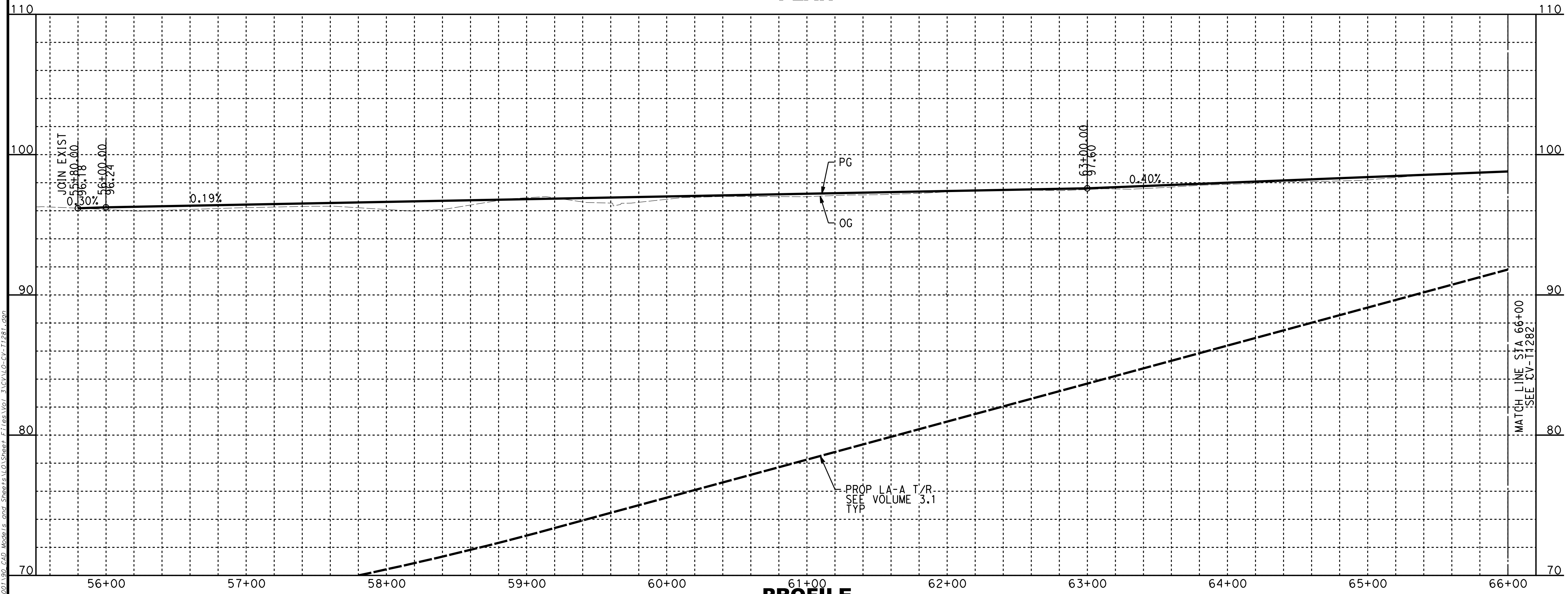
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - ARTESIA AVE
ORIENTATION MAP

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

$PLOT$



PLAN



PROFILE

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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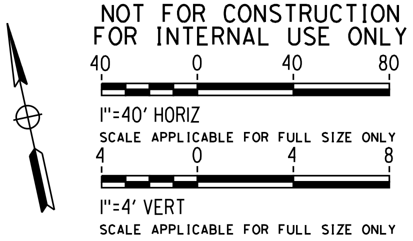
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.

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

LINE DATA

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

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
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1281
SCALE
AS SHOWN
SHEET NO.

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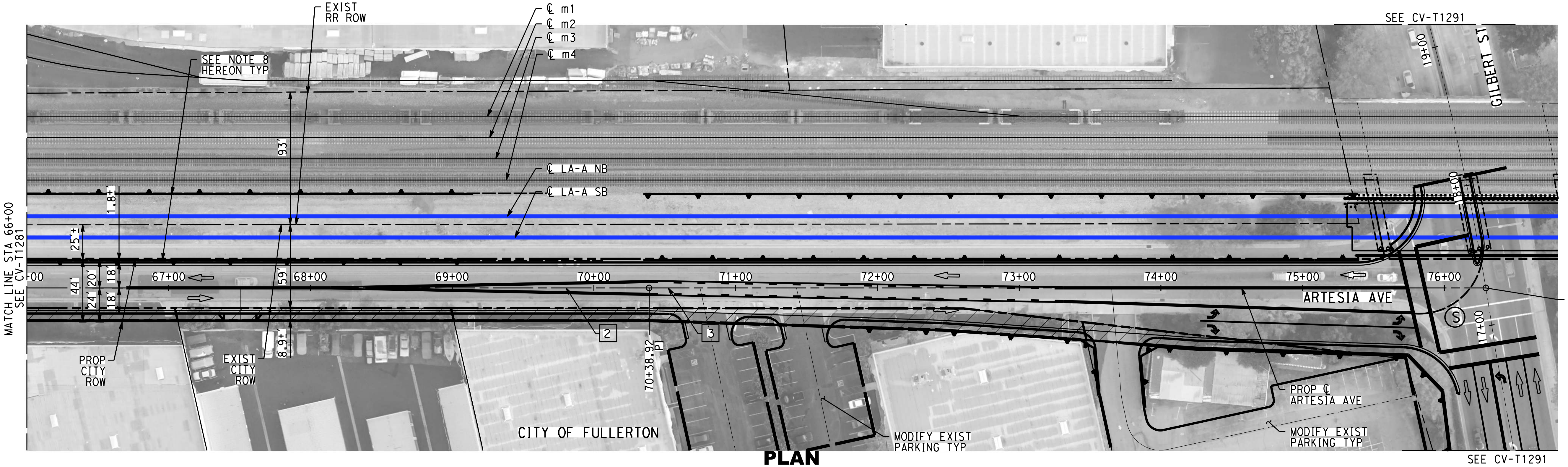

PLAN

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.
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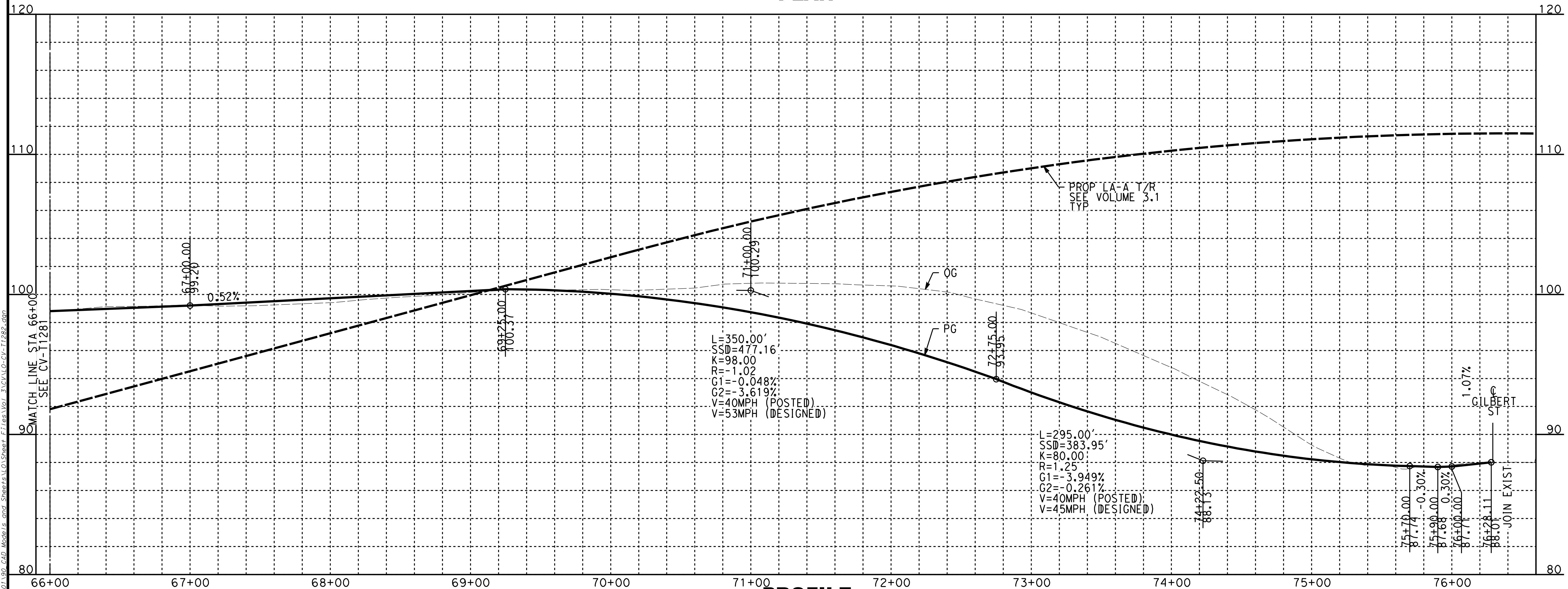
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.

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

LINE DATA

NO	BEARING	DISTANCE
2	S77°43'25"E	962.11'
3	S77°43'25"E	590.30'



PROFILE

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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

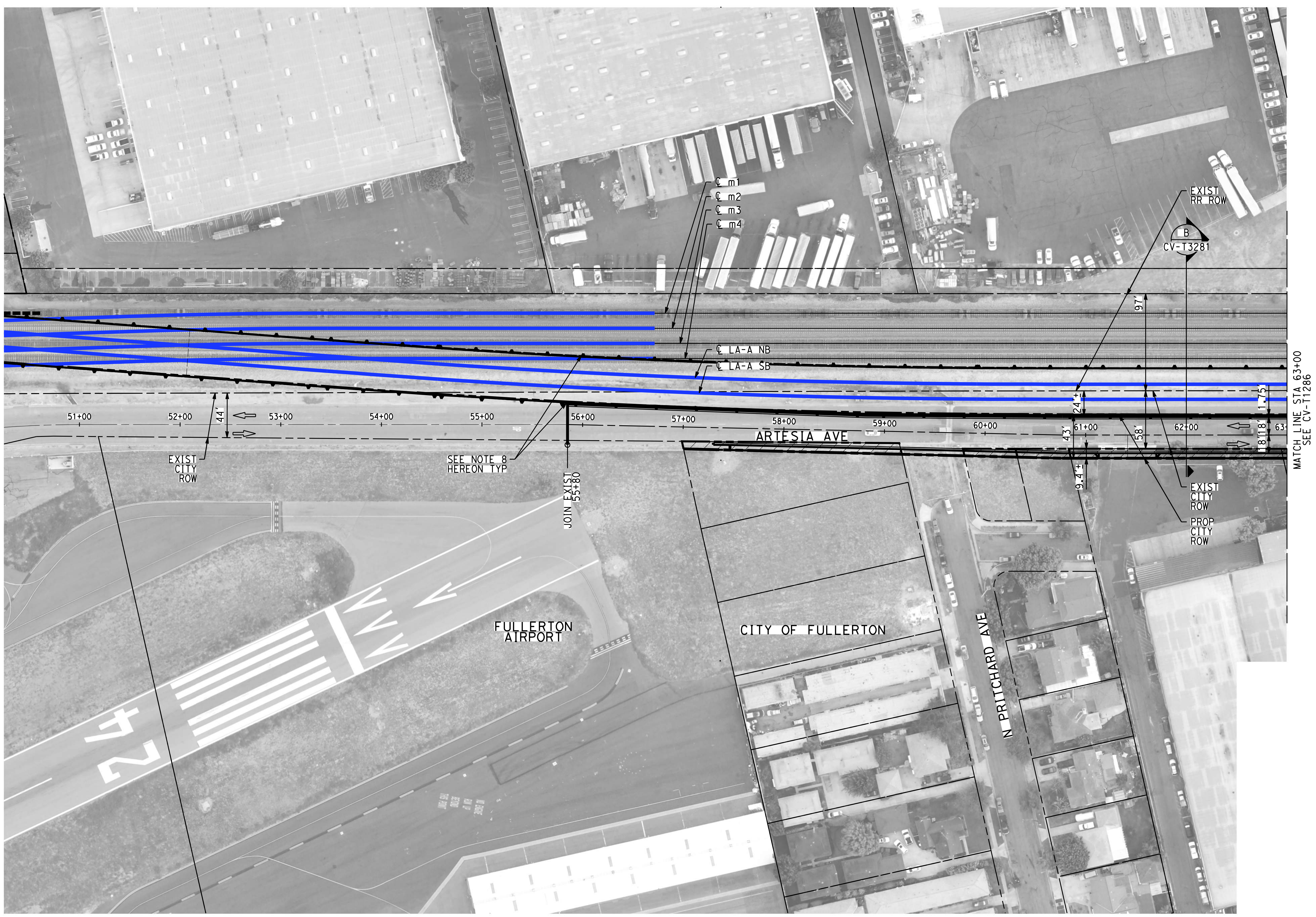
NOT FOR
CONSTRUCTION

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
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1282
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-PREFFERRED 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

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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

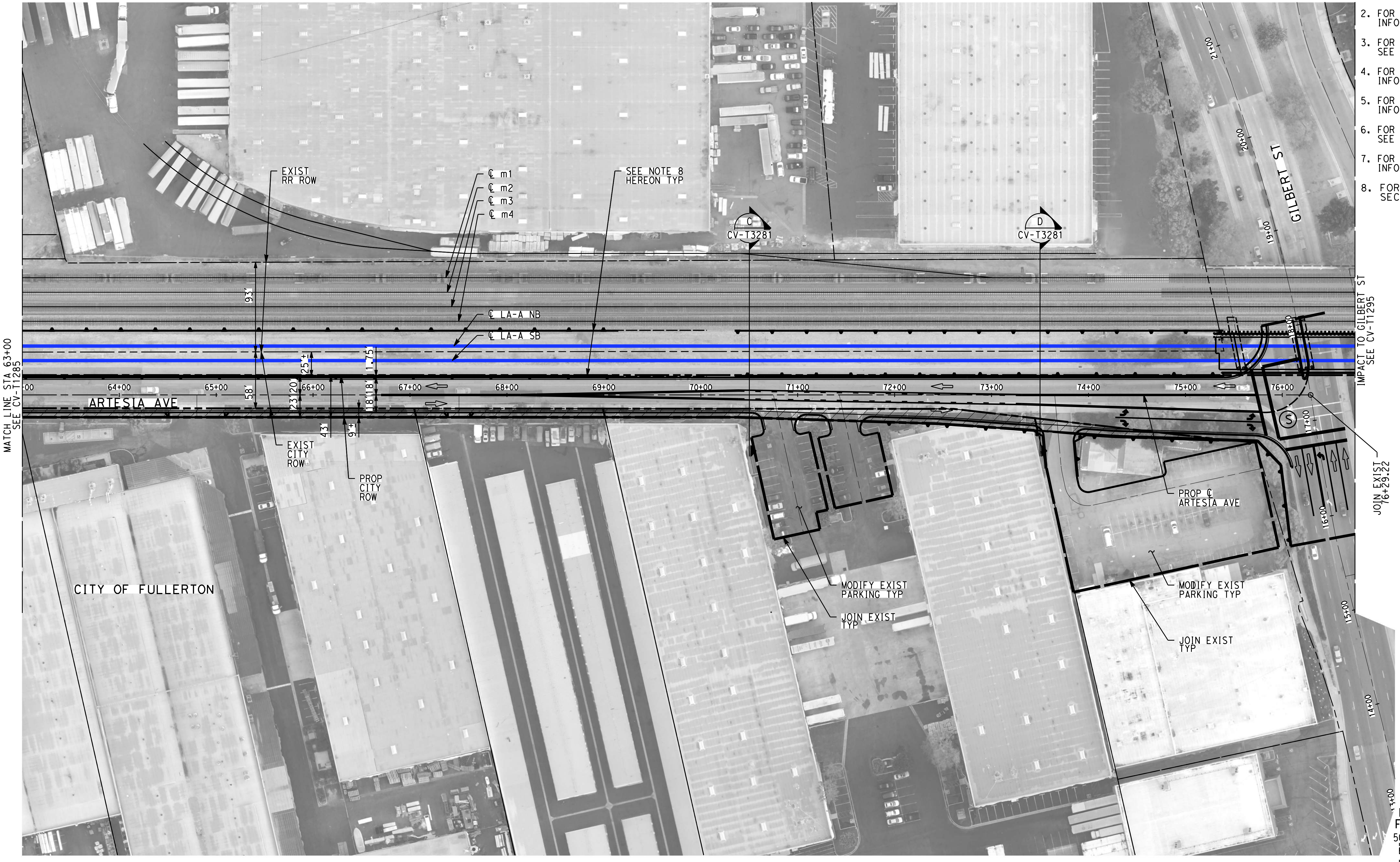
NOT FOR CONSTRUCTION

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
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.
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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-PREFFERRED 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

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
IMPACT PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1286
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.
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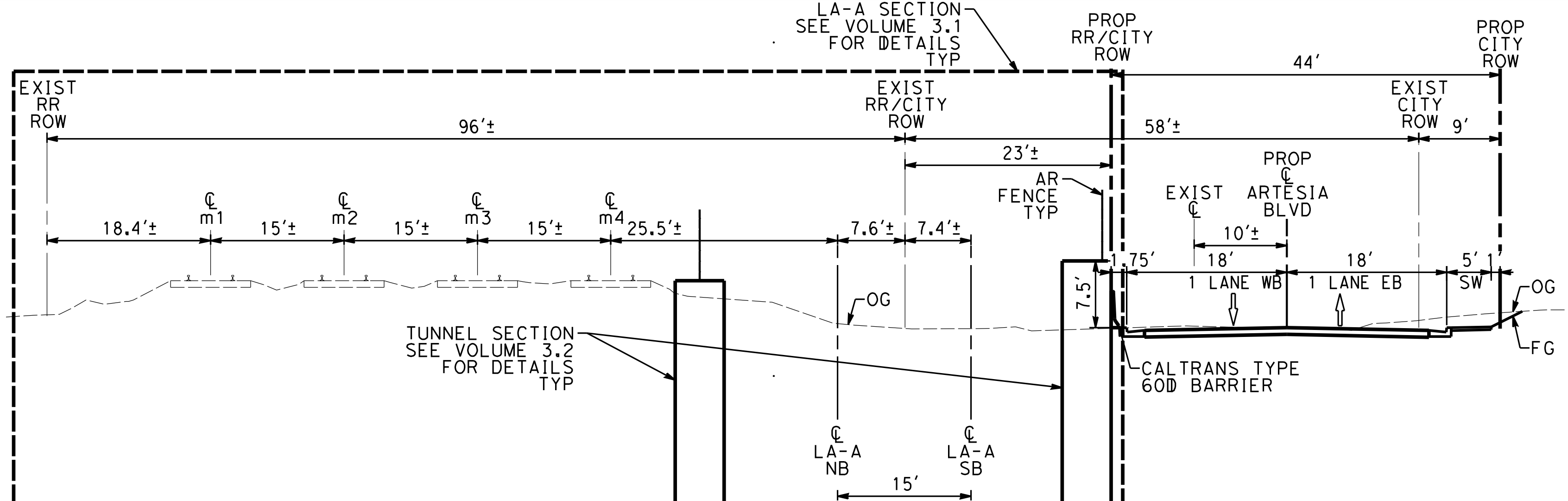
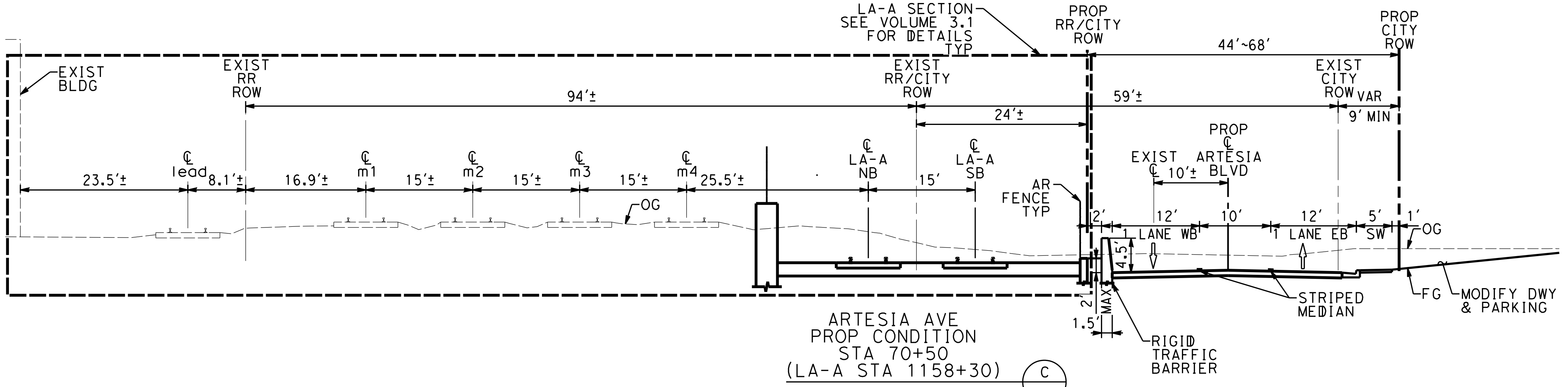
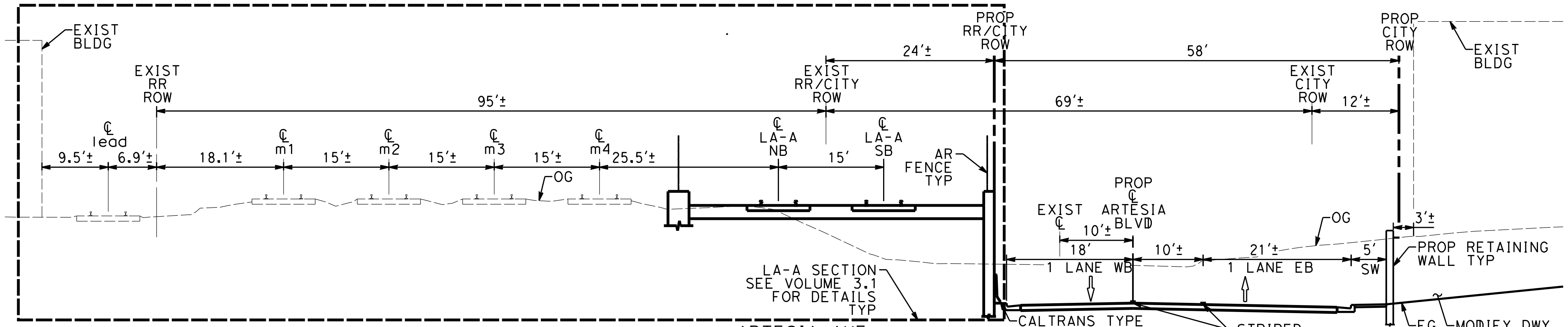
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. FOR TRENCH AND RETAINED SECTIONS, SEE VOLUME 3.2.



ARTESIA AVE
PROP CONDITION
STA 62+00
(LA-A STA 1150+00)
CV-T1286 AS SHOWN
B
-

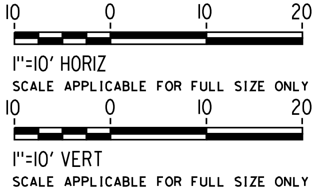


ARTESIA AVE
PROP CONDITION
STA 70+50
(LA-A STA 1158+30)
CV-T1287 AS SHOWN
C
-



ARTESIA AVE
PROP CONDITION
STA 73+50
(LA-A STA 1161+30)
CV-T1287 AS SHOWN
D
-

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

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NOT FOR CONSTRUCTION

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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 - ARTESIA AVE
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3281
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.
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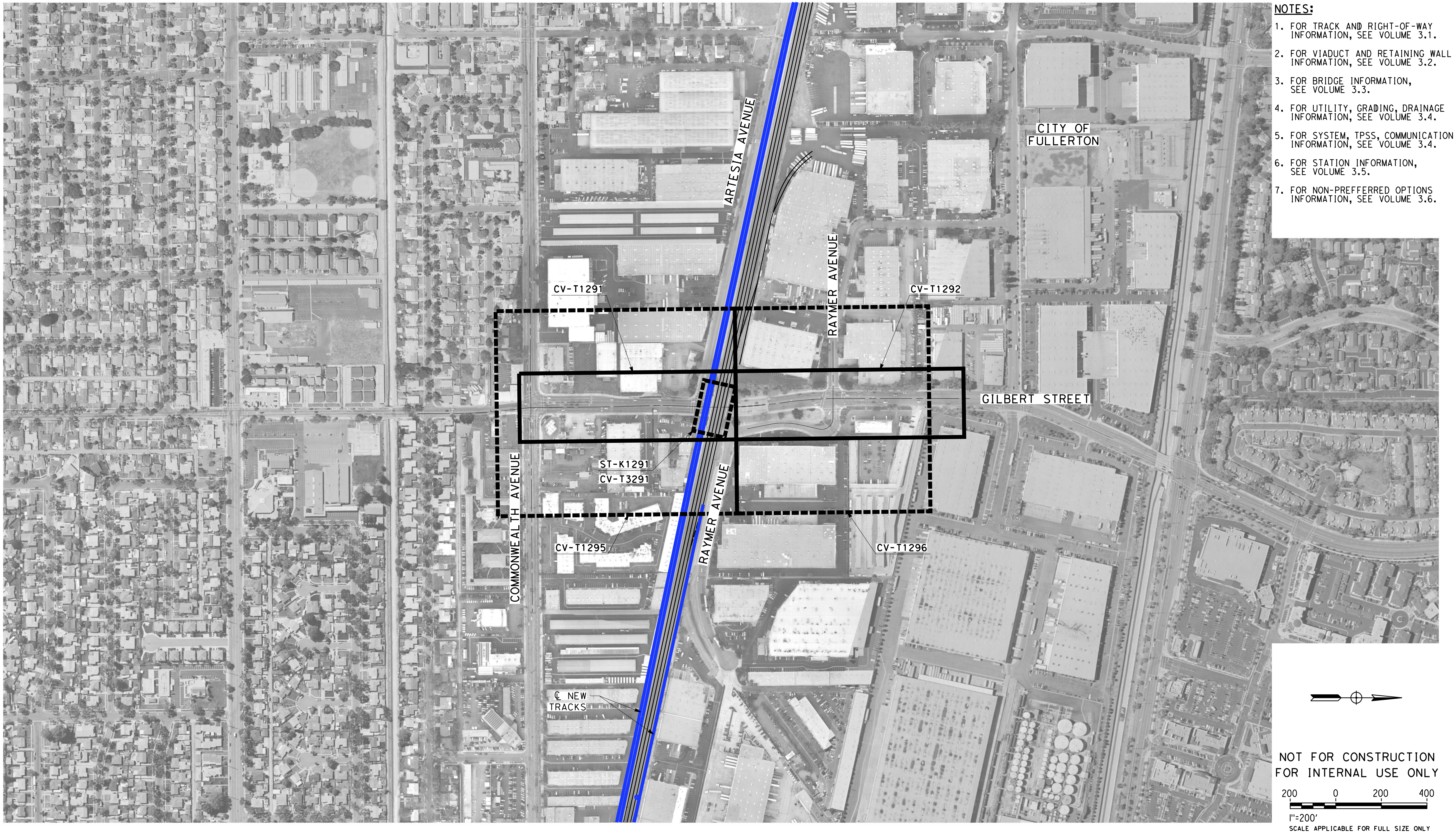
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE 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 [illegible]/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

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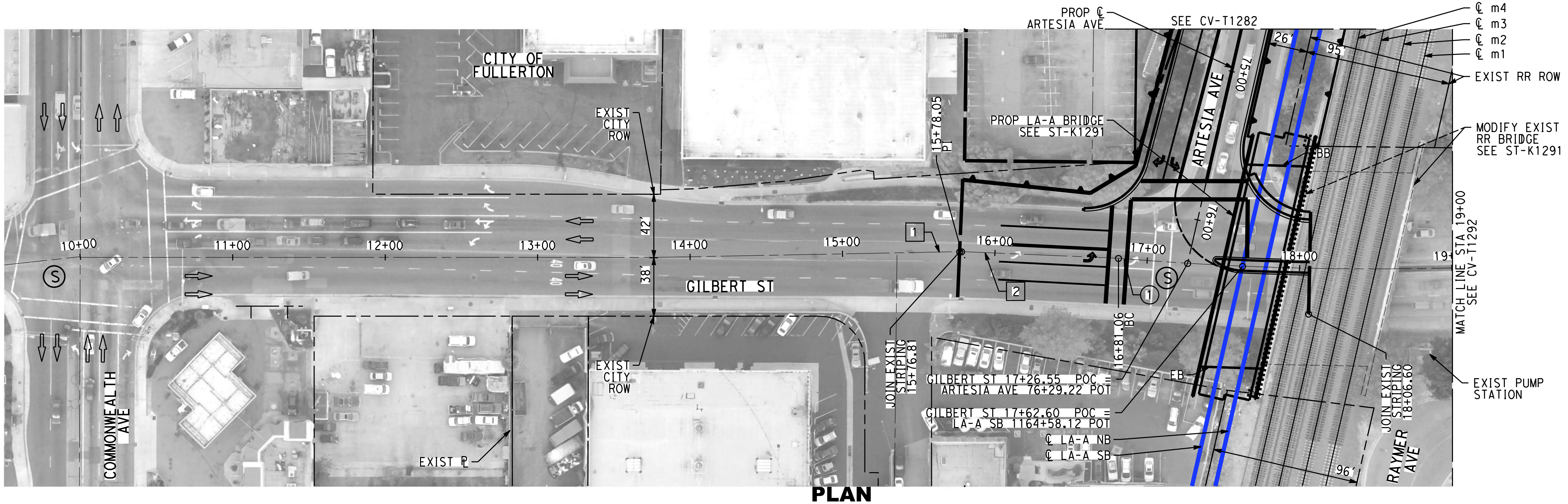
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

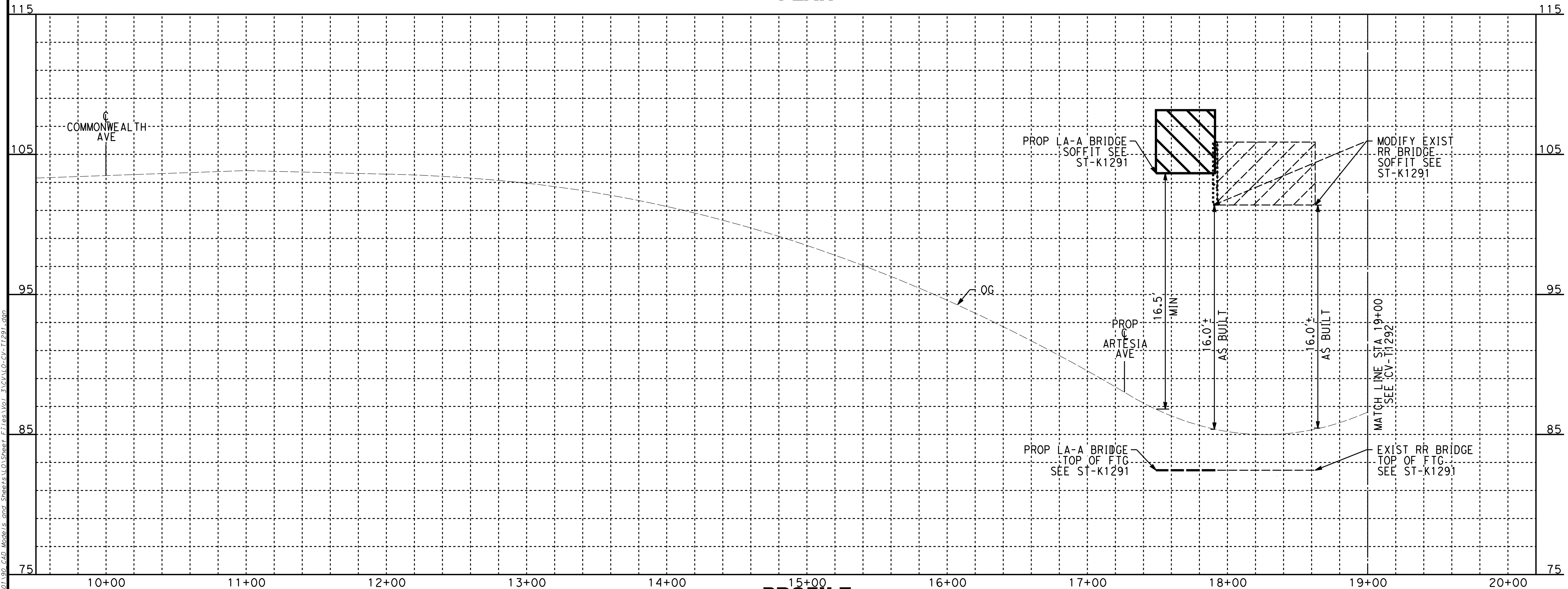
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - GILBERT ST
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0291
SCALE
1" = 200'
SHEET NO.

$PLOT$



PLAN


115
105
95
85
75
115
105
95
85
75
℄ COMMONWEALTH AVE
OG
PROP ℄ ARTESIA AVE
PROP LA-A BRIDGE SOFFIT SEE ST-K1291
MODIFY EXIST RR BRIDGE SOFFIT SEE ST-K1291
16.5' MIN
16.0'± AS BUILT
16.0'± AS BUILT
PROP LA-A BRIDGE TOP OF FTG SEE ST-K1291
EXIST RR BRIDGE TOP OF FTG SEE ST-K1291
MATCH LINE STA 19+00 SEE CV-T1292
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00

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.
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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-PREFFERRED 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

CURVE DATA

NO	R	Δ	T	L
①	2000.00'	13°09'35"	230.70'	459.36'

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

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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 - GILBERT ST
PLAN AND PROFILE - SHEET 1 OF 2

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

ChiangM 2/6/2025 3:07:20 AM CHSR_PDF_half_black.plt
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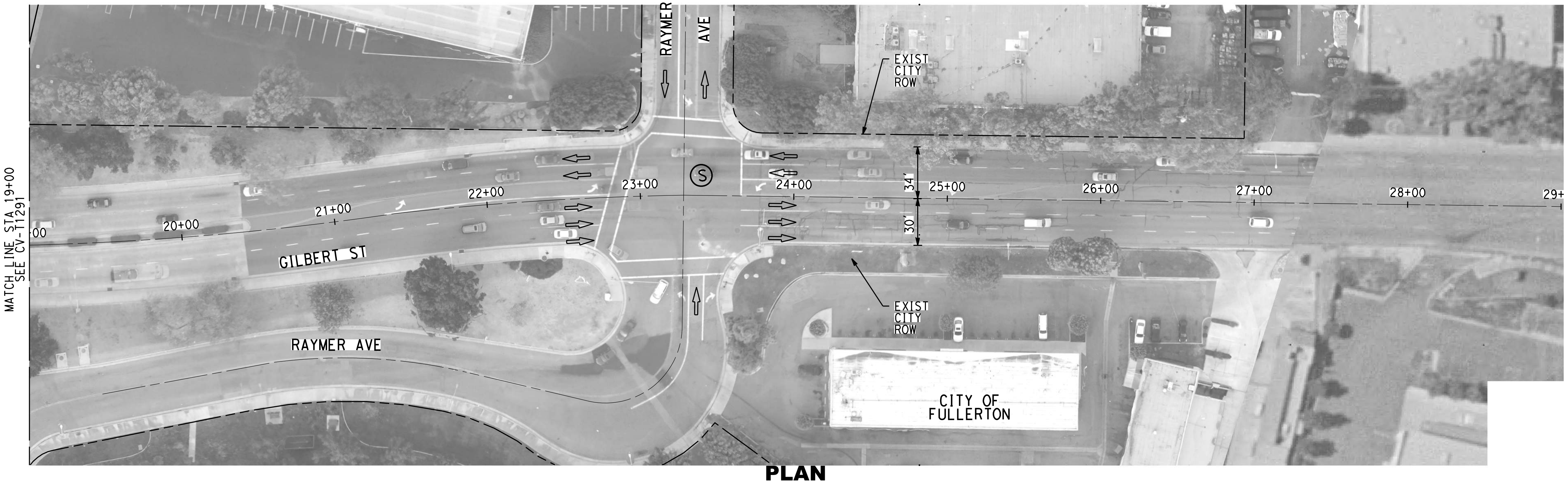
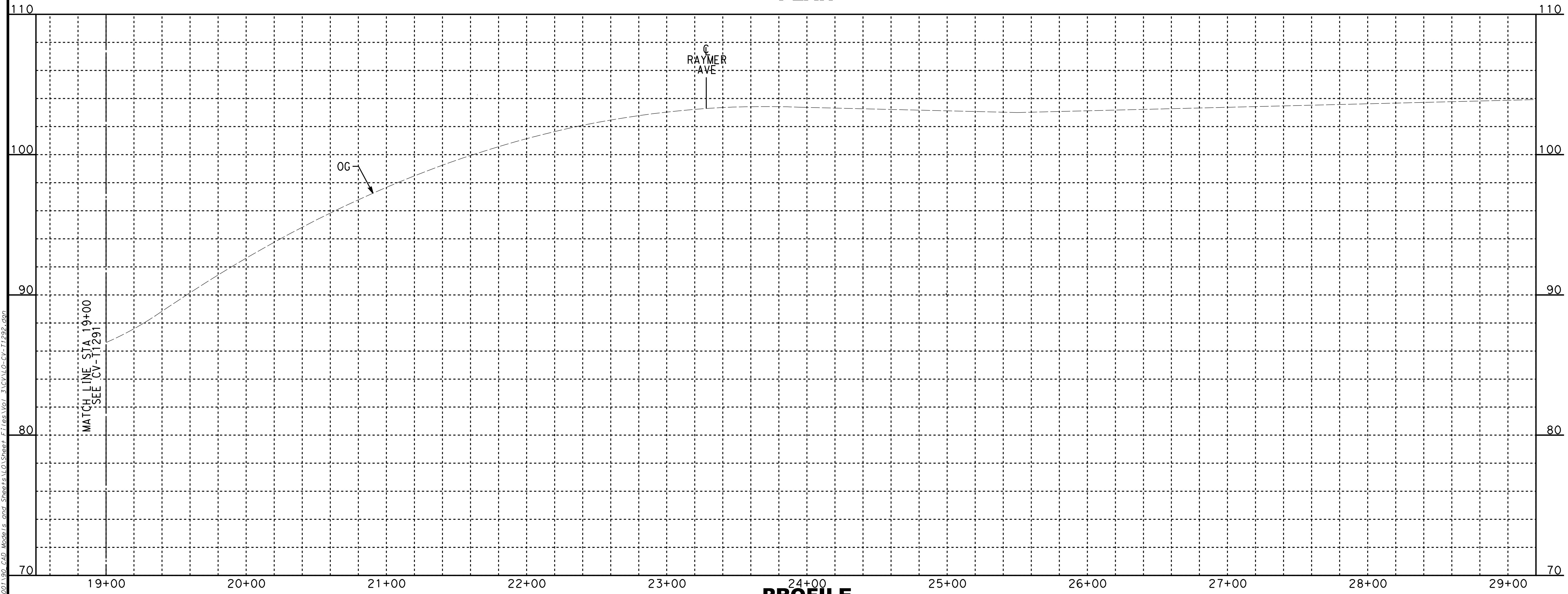


PLAN



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-PREFFERRED 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

ChiangM 2/6/2025 3:07:35 AM 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
FOR INTERNAL
USE ONLY**

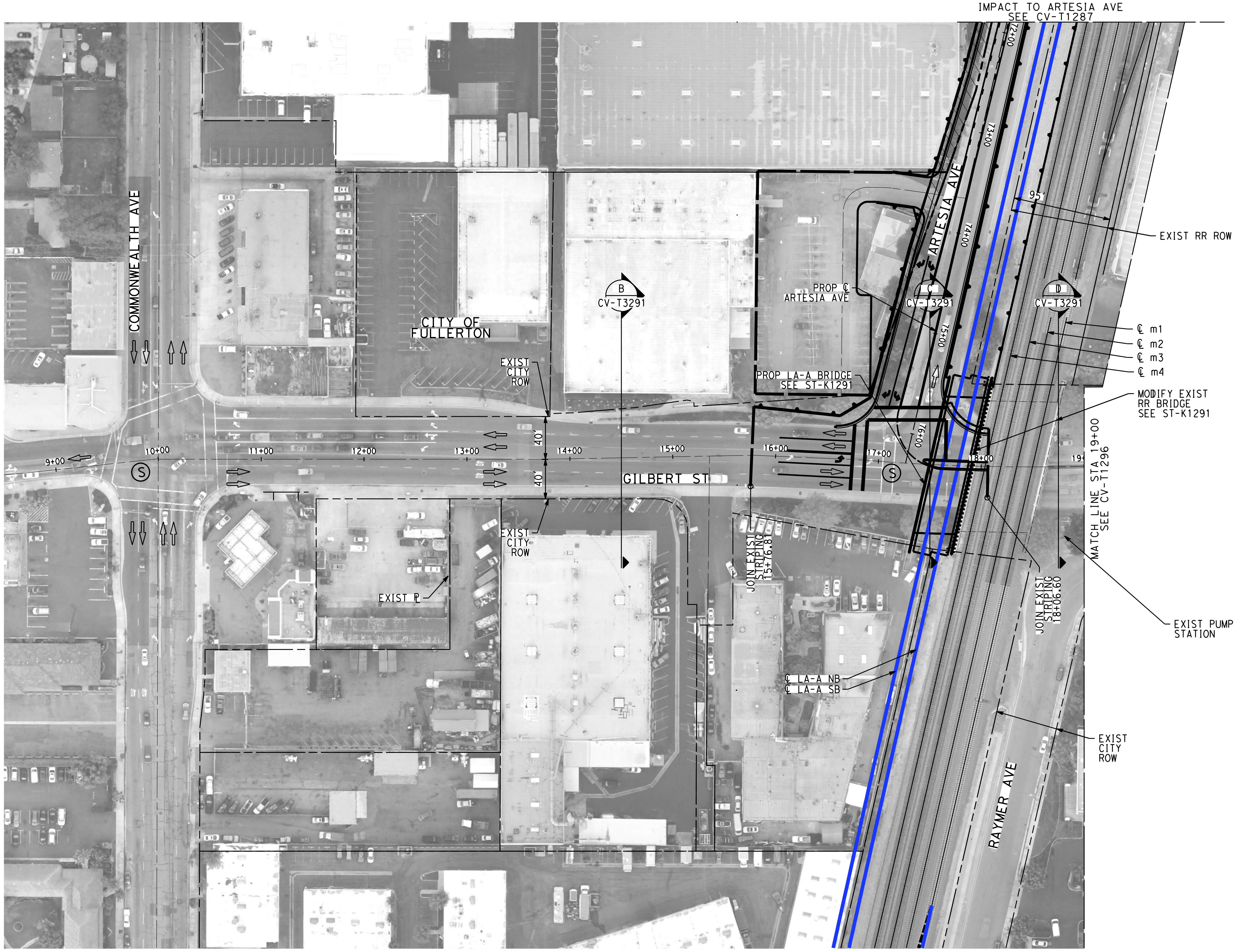
**NOT FOR
CONSTRUCTION**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - 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.
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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-PREFFERRED 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

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
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stv

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.

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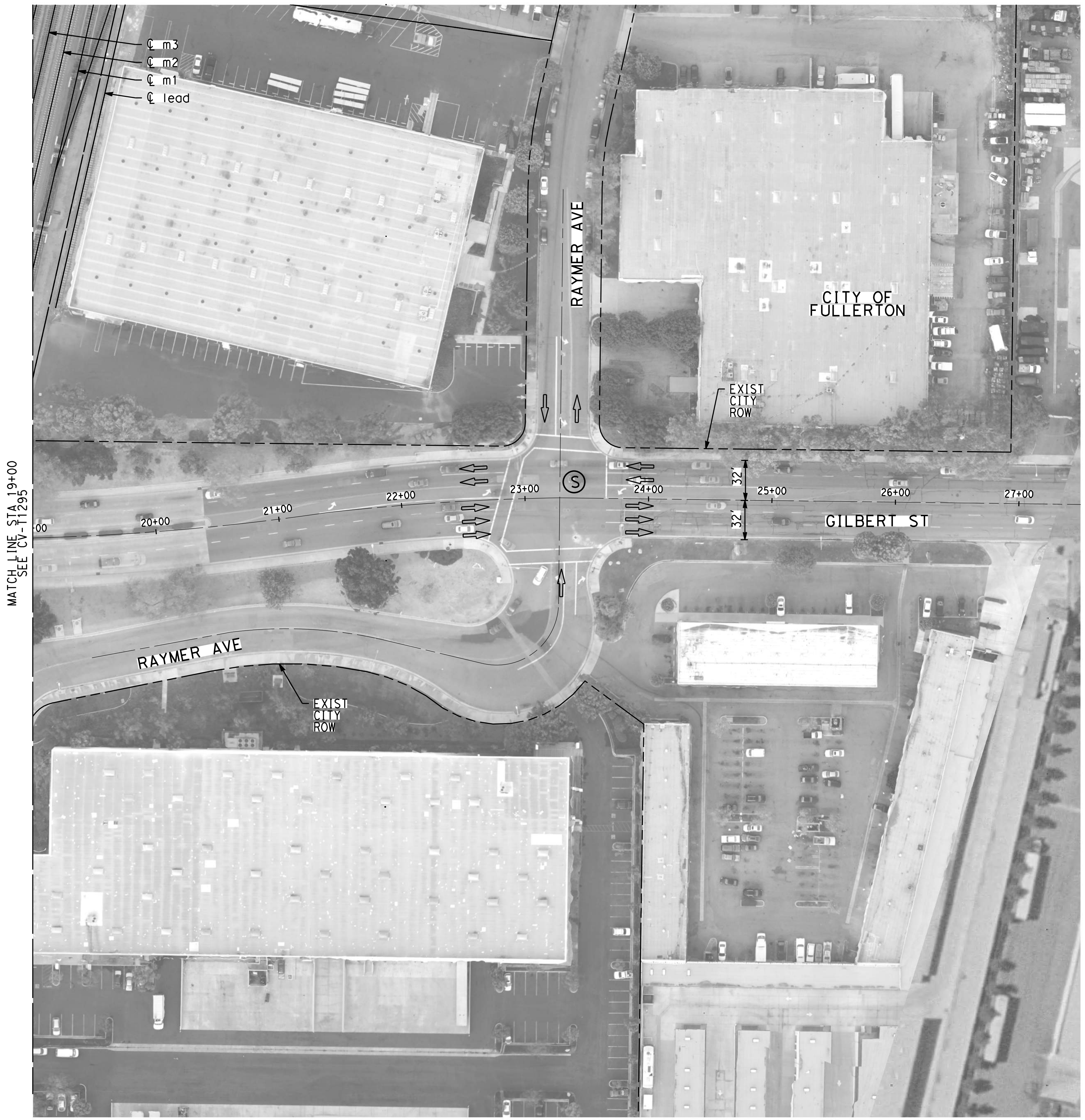

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED 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

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

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stv

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 2 OF 2

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

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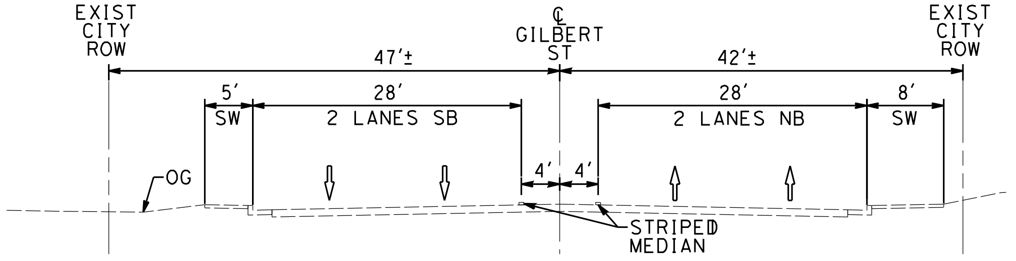
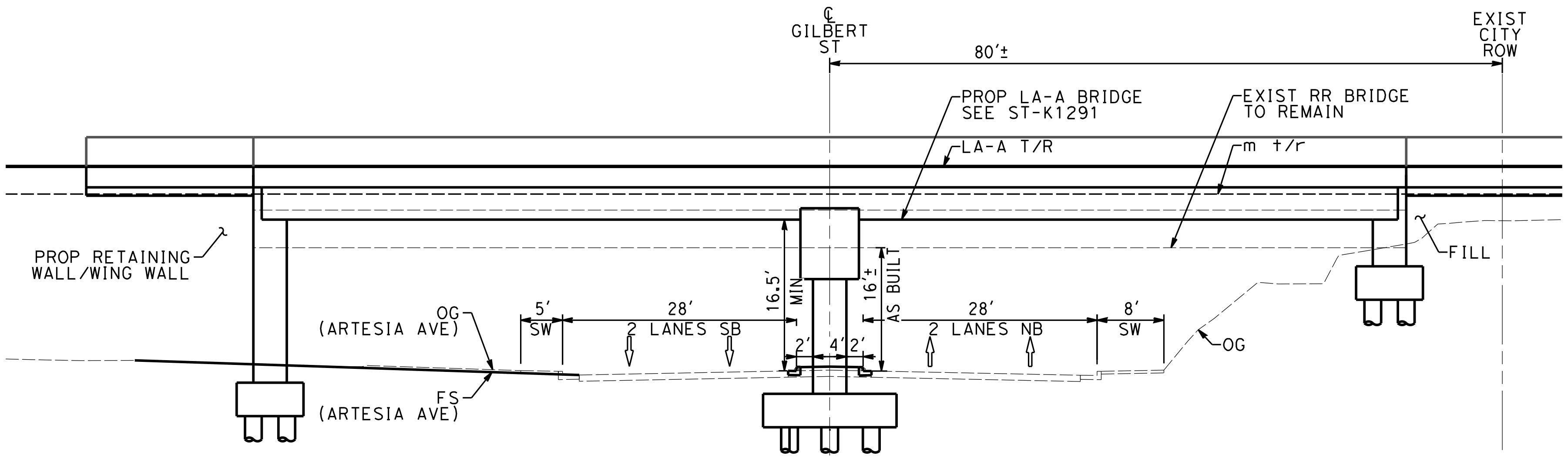
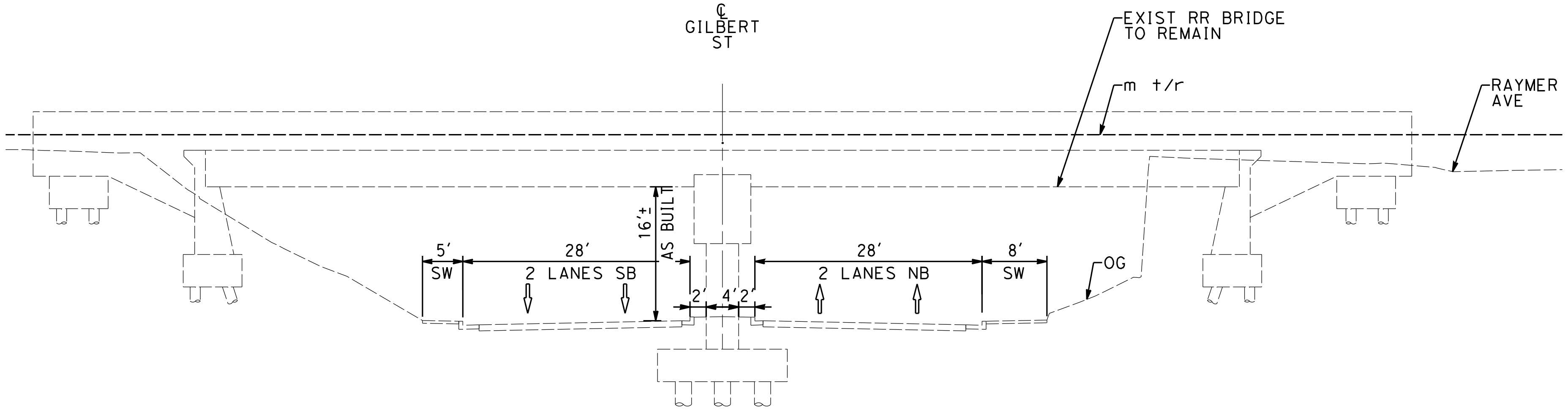


EXIST CONDITION
STA 14+50
CV-T1295 AS SHOWN
B
-



EXIST BRIDGE IS PROJECTED BEHIND
STA 17+50

PROP CONDITION
STA 17+50
CV-T1295 AS SHOWN
C
-



EXIST CONDITION
STA 18+75
CV-T1295 AS SHOWN
D
-

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-PREFFERRED 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

stv

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
CROSS SECTION - SHEET 1 OF 1

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

ChiangM 2/6/2025 3:08:13 AM CHSR_PDF_half_black.plt
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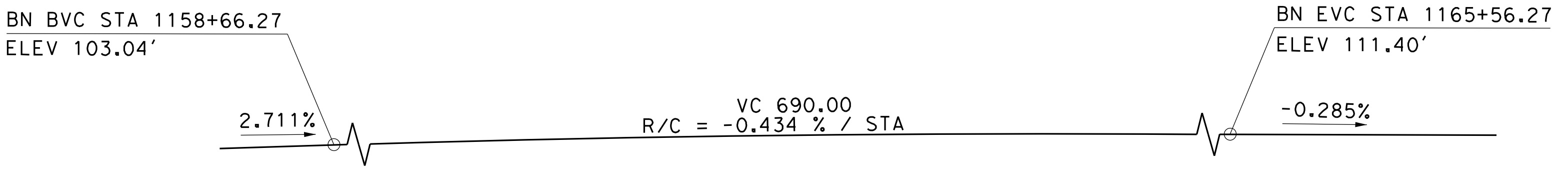
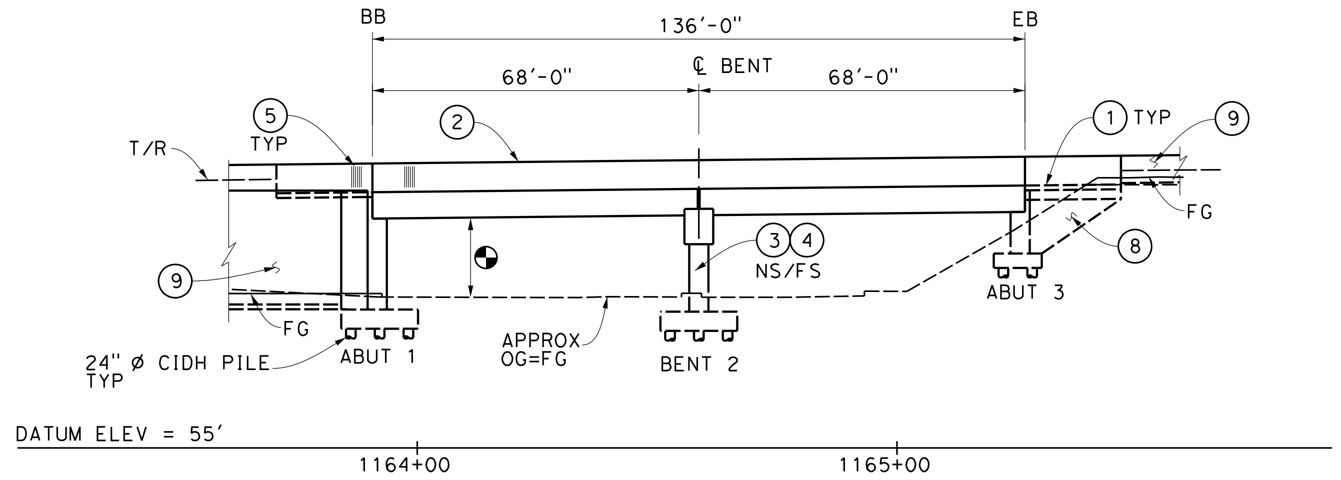


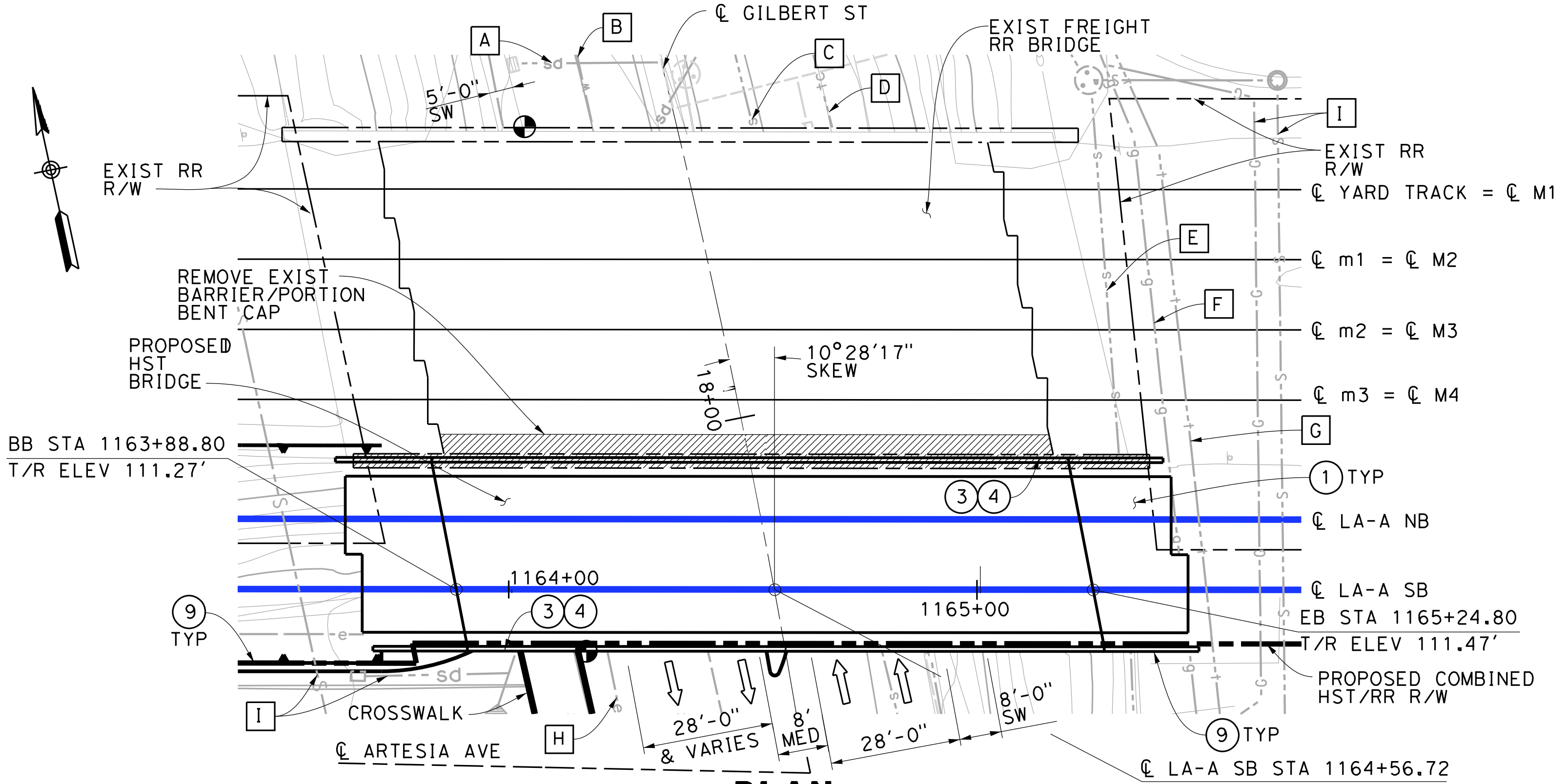
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



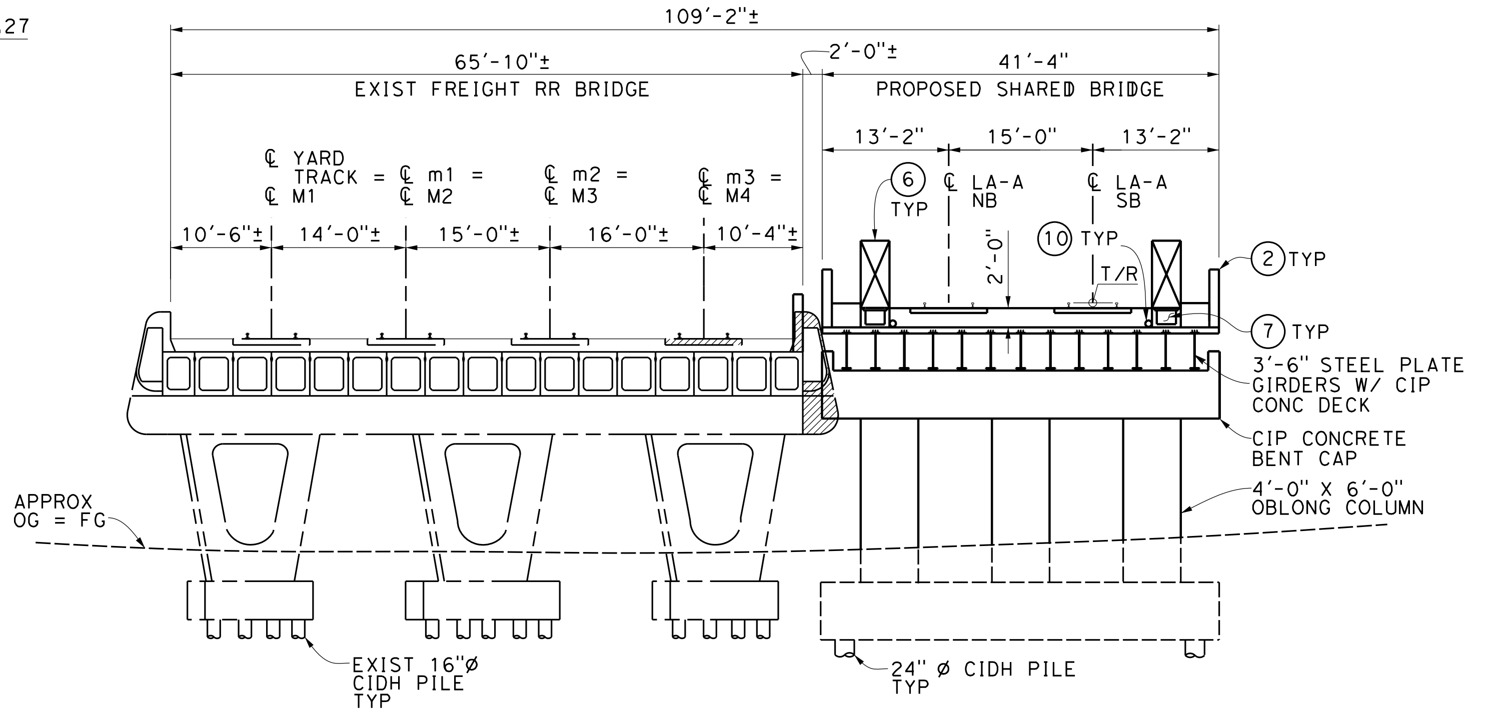
ELEVATION

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 ℄ 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):

ADT$_{2012}$: 3700
ADT$_{2030}$: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY
20 0 20 40
1"=20'
SCALE APPLICABLE FOR FULL SIZE ONLY

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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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 - GILBERT STREET
GENERAL PLAN

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

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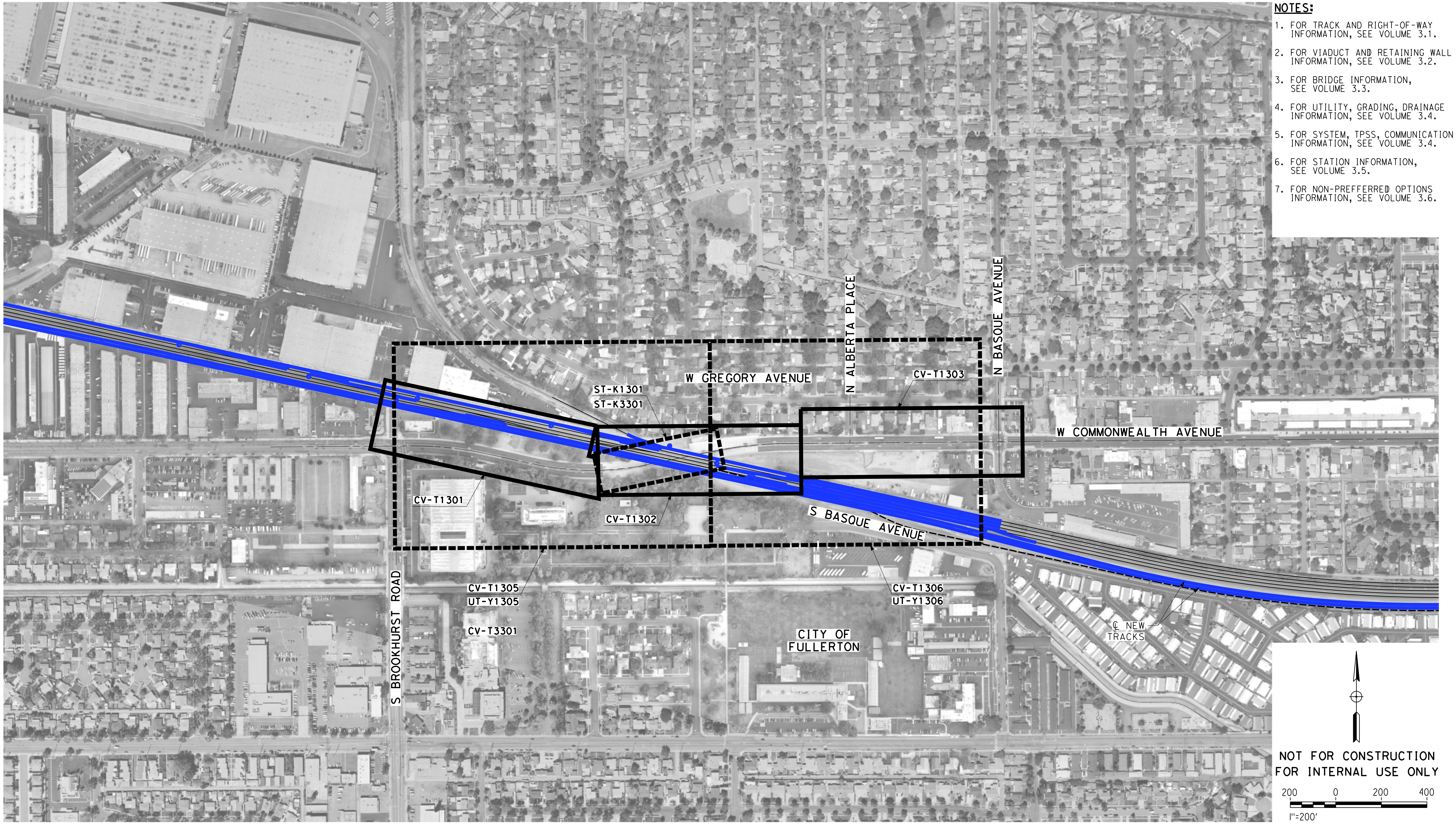

NOTES:

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE 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

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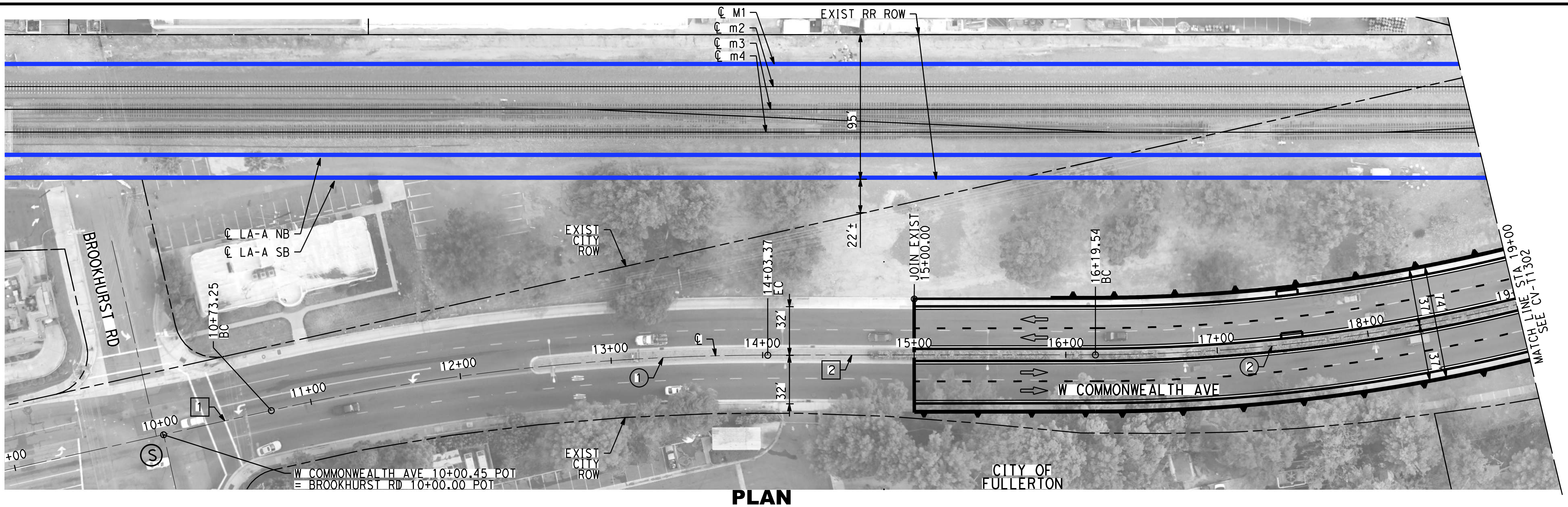
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0301
SCALE
1" = 200'
SHEET NO.

$PLOT$



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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

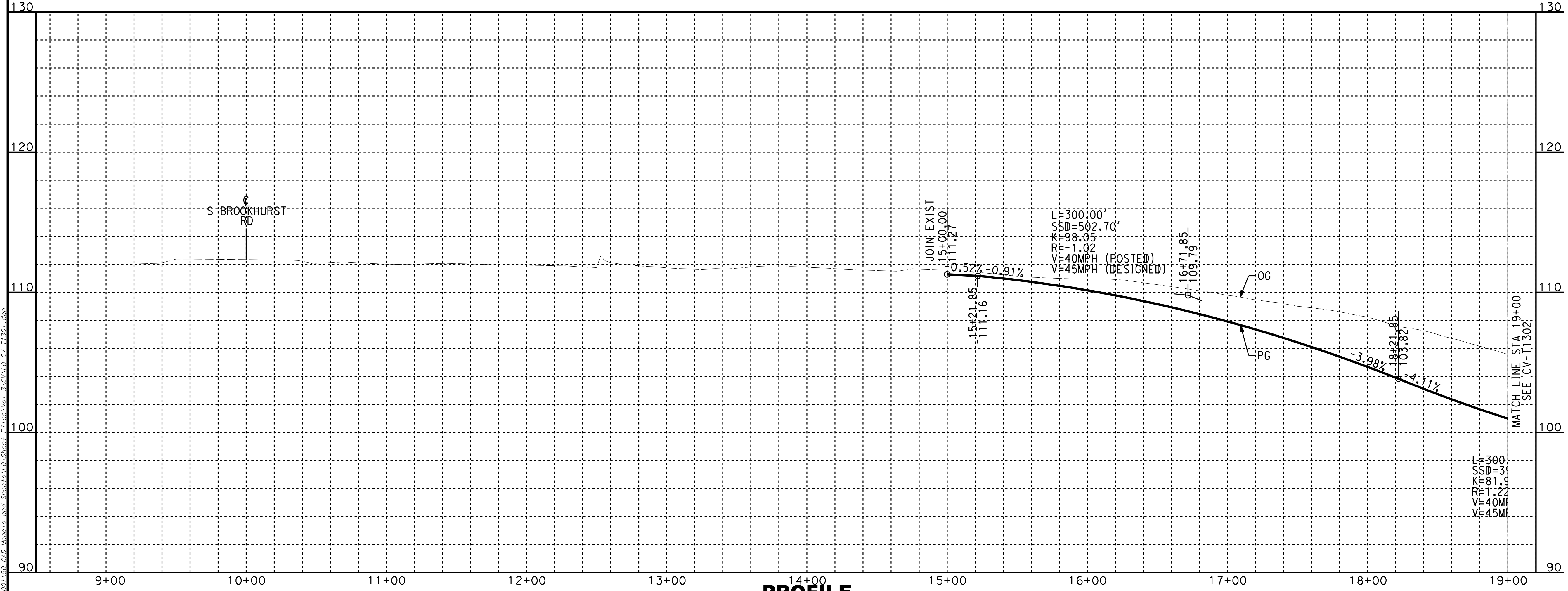
40 0 40 80
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY
4 0 4 8
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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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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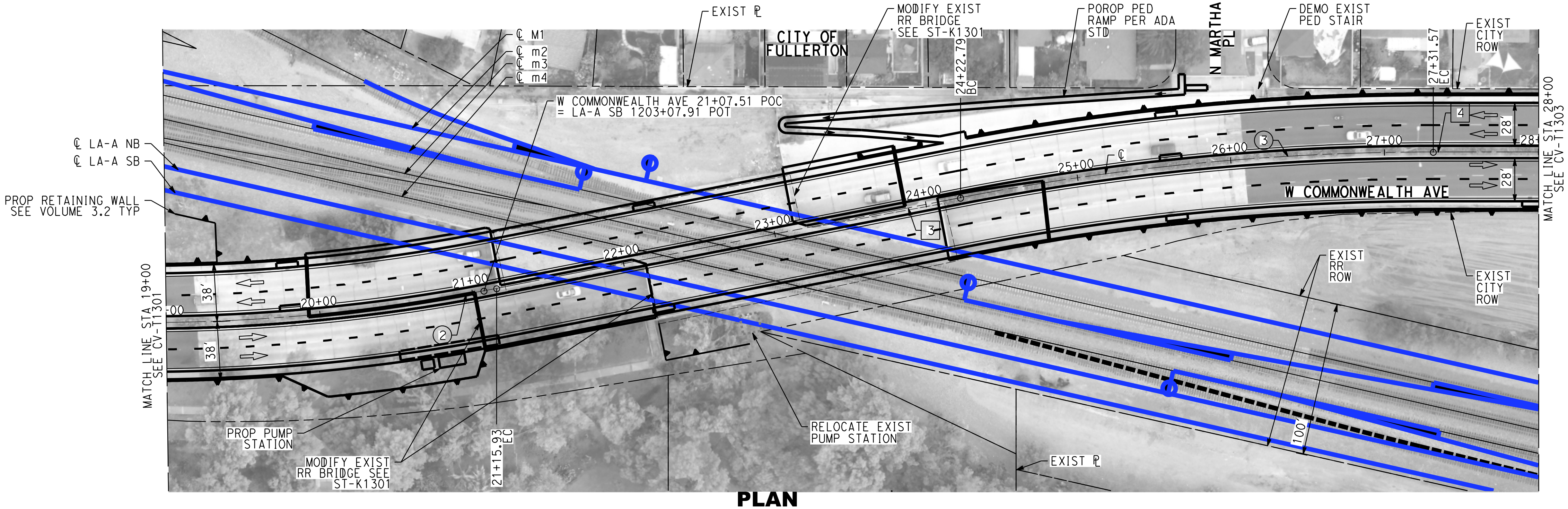
NOT FOR CONSTRUCTION

stv

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.


EXIST ℙ
MODIFY EXIST RR BRIDGE SEE ST-K1301
POROP PED RAMP PER ADA STD
N MARTHA PL
DEMO EXIST PED STAIR
EXIST CITY ROW
CITY OF FULLERTON
℄ M1
℄ m2
℄ m3
℄ m4
W COMMONWEALTH AVE 21+07.51 POC = LA-A SB 1203+07.91 POT
24+22.79 BC
27+31.57 EC
℄ LA-A NB
℄ LA-A SB
PROP RETAINING WALL SEE VOLUME 3.2 TYP
MATCH LINE STA 19+00 SEE CV-T1301
MATCH LINE STA 28+00 SEE CV-T1303
W COMMONWEALTH AVE
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
38'
38'
28'
28'
28'
2
3
3
4
EXIST RR ROW
EXIST CITY ROW
100'
PROP PUMP STATION
MODIFY EXIST RR BRIDGE SEE ST-K1301
21+15.93 EC
RELOCATE EXIST PUMP STATION
EXIST ℙ

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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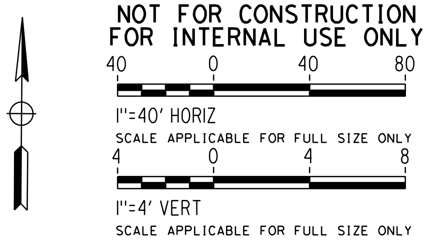
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

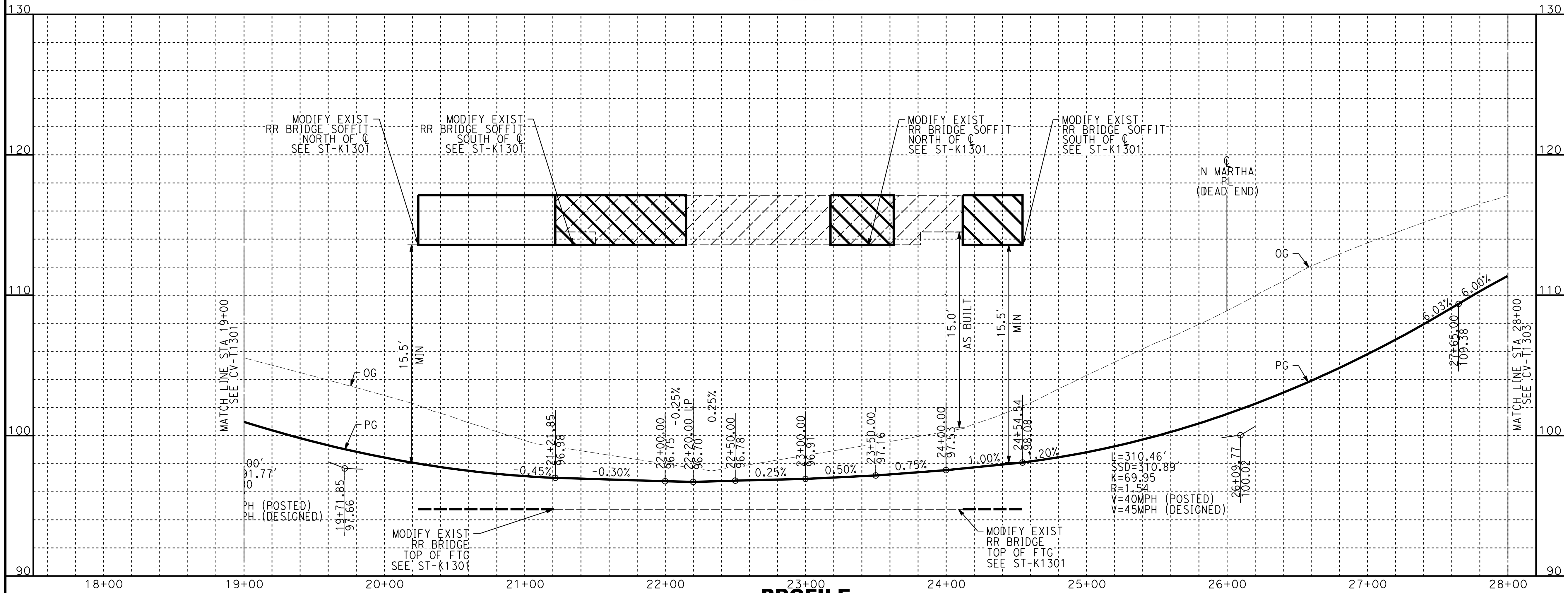

40
0
40
80
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY
4
0
4
8
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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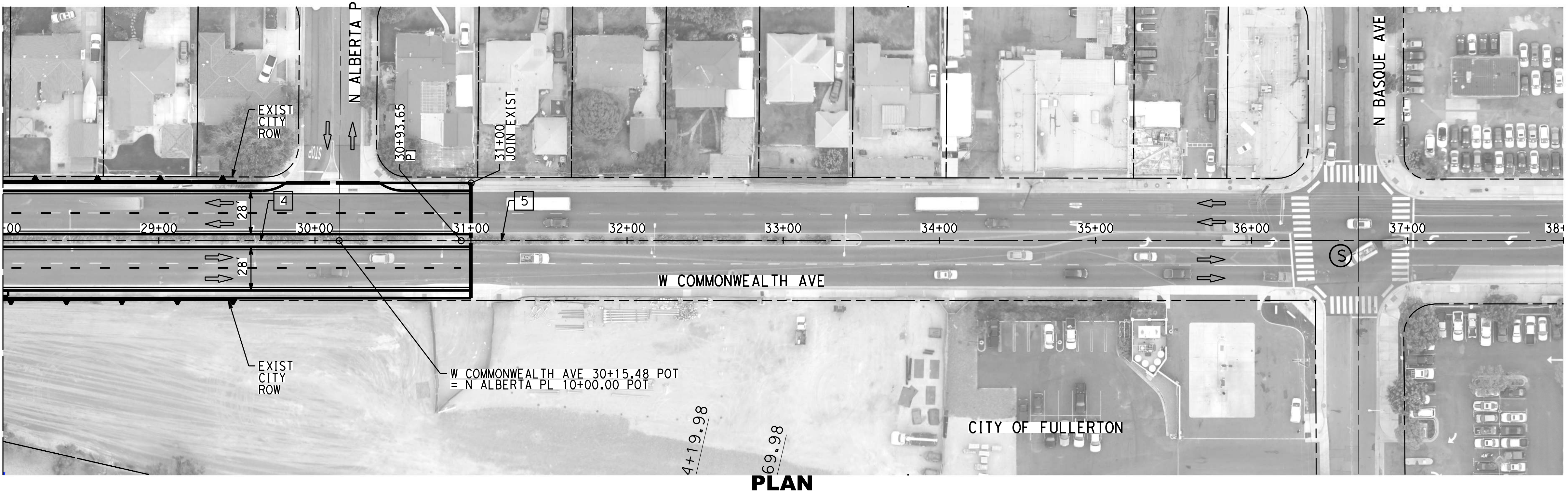
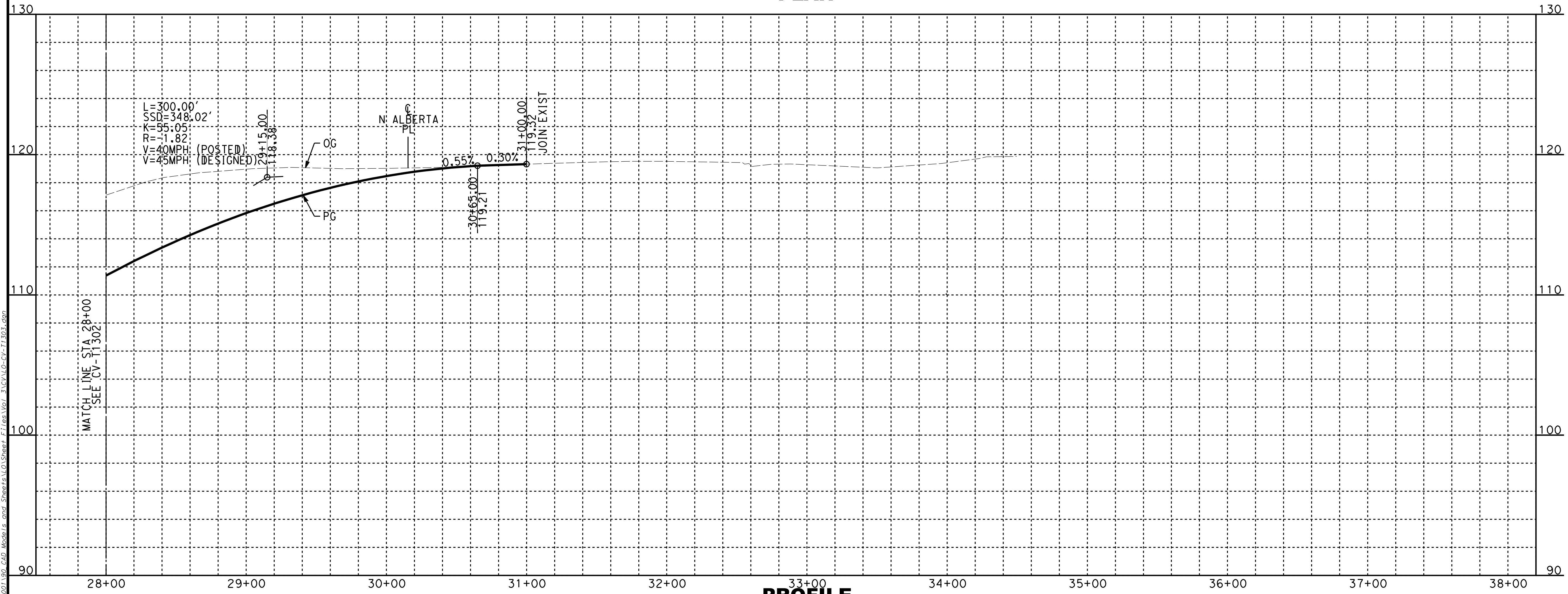
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED 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

LINE DATA

NO	BEARING	DISTANCE
4	N89°31'41"E	362.08'
5	N89°31'41"E	797.29'

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

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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 - W COMMONWEALTH AVE
PLAN AND PROFILE - SHEET 3 OF 3

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

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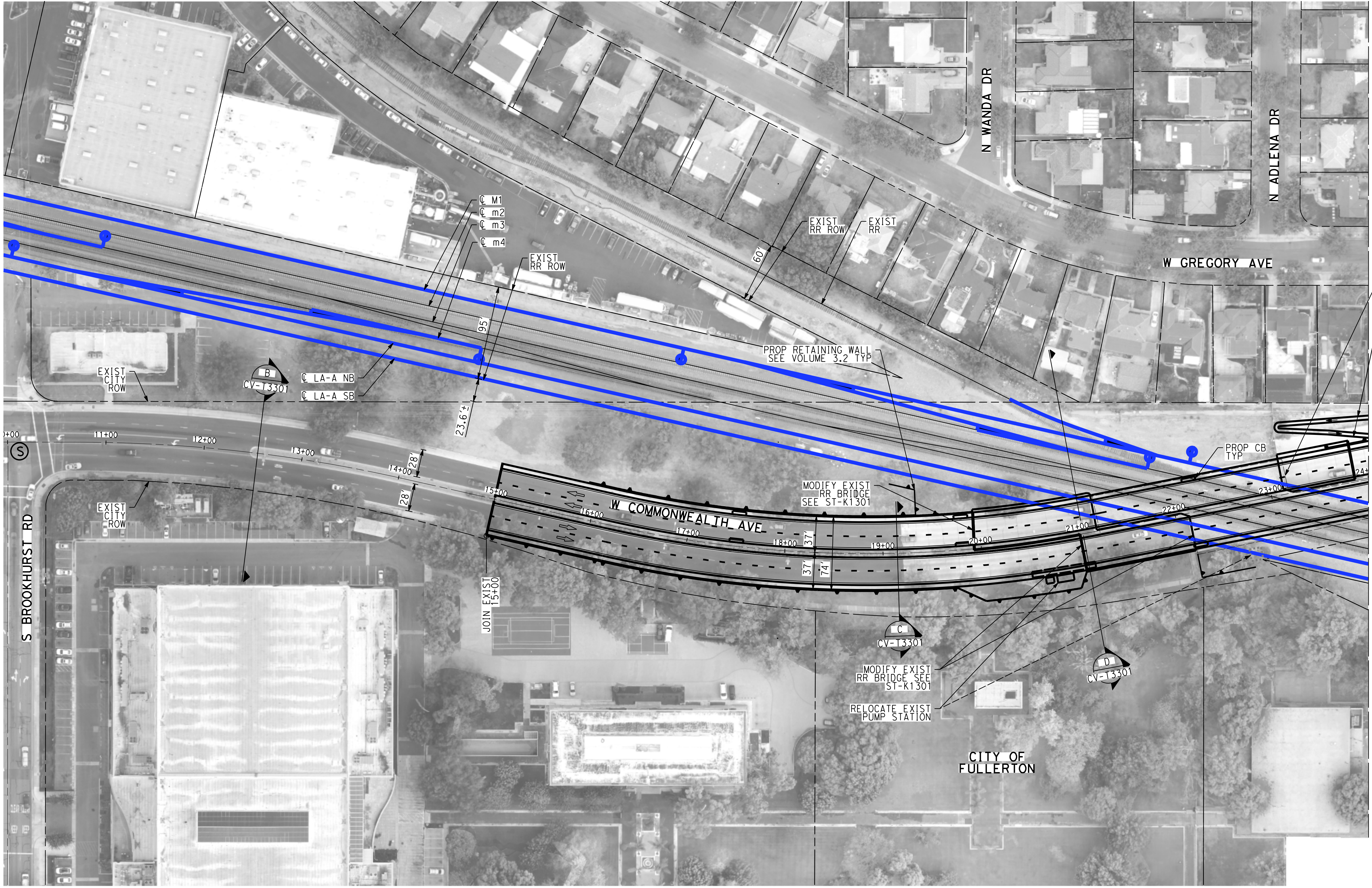

NOTES:

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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED 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

$PLTDRV$

$TIME$

$DATE$

$USER$
$FILE$

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

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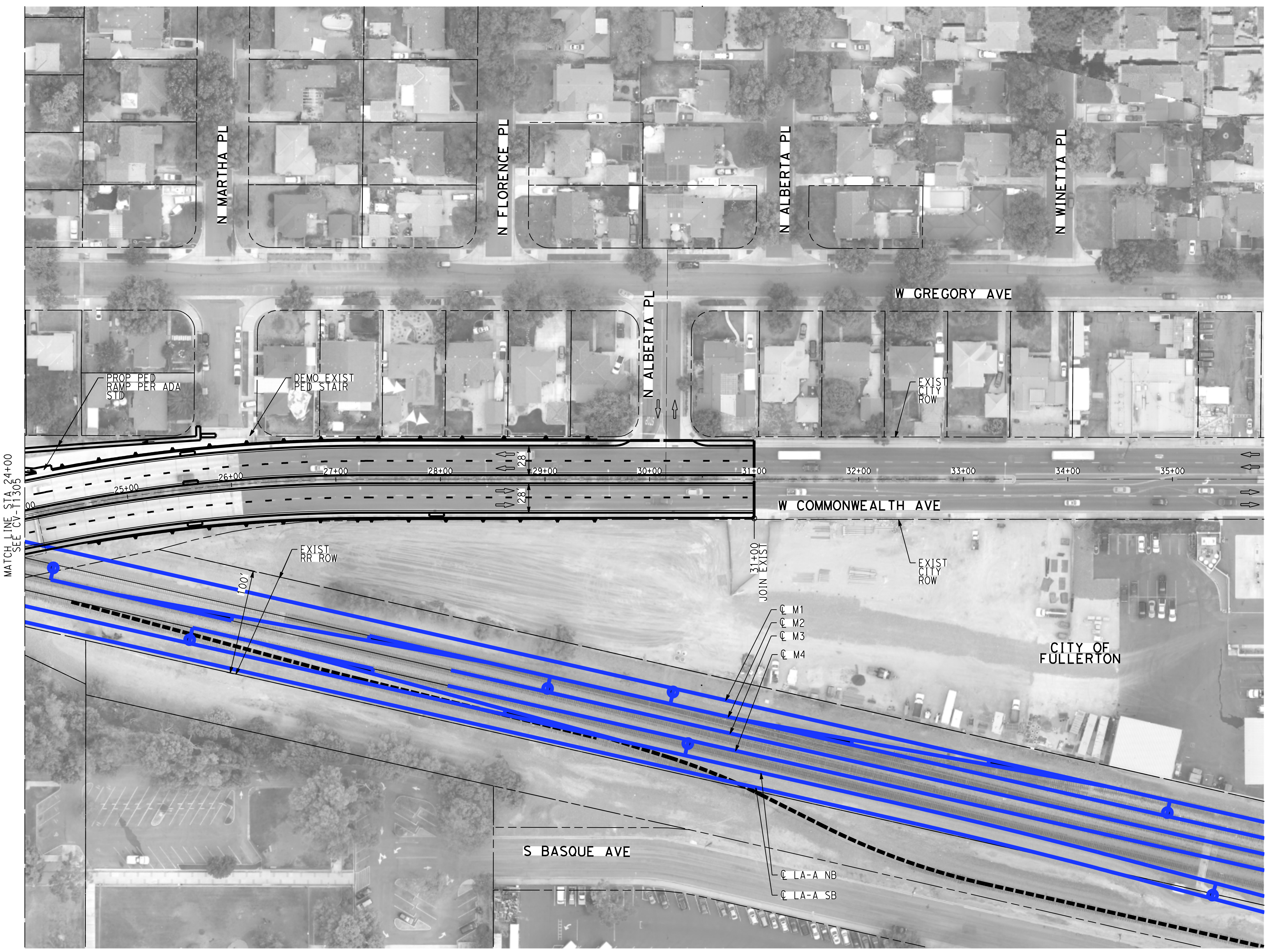
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1305
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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7. FOR NON-PREFFERRED 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

$PLTDRV$
$TIME$
$DATE$
$USER$
$FILE$

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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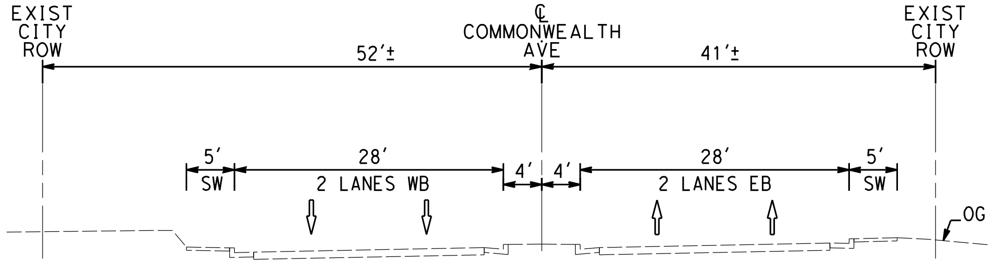
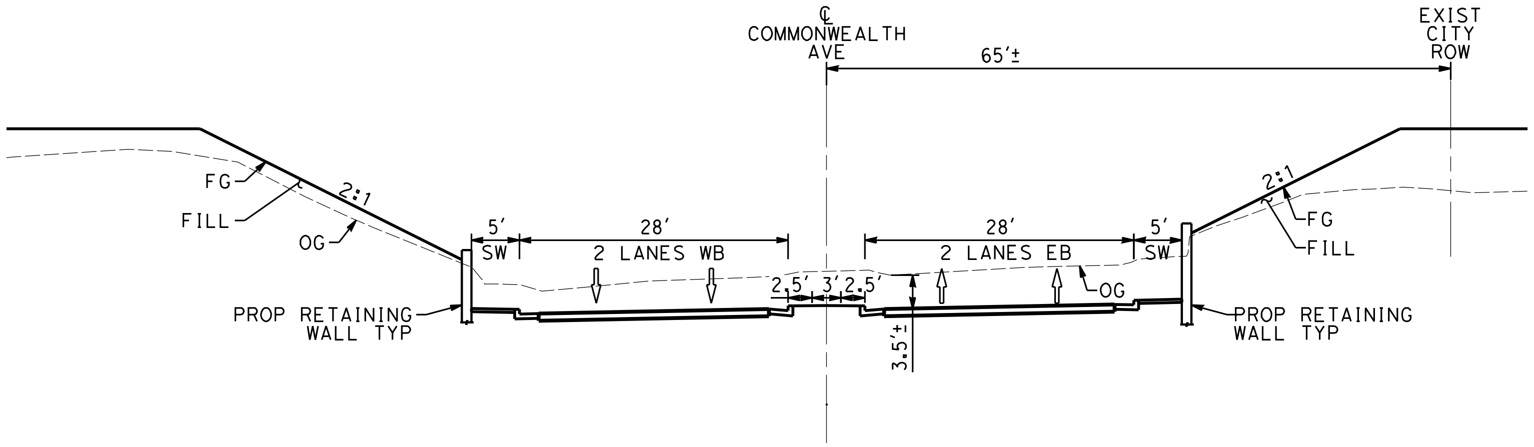
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

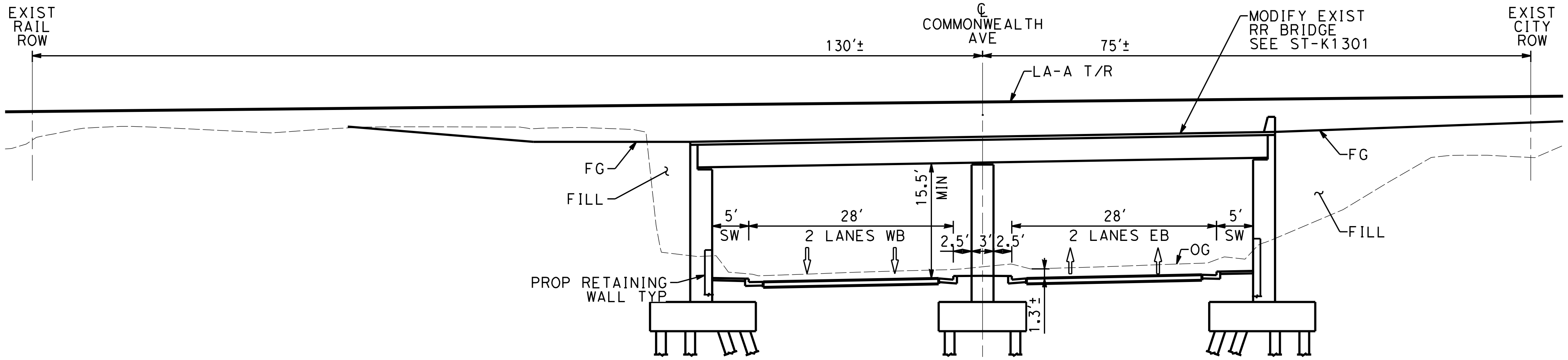
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1306
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 12+50
CV-T1305 AS SHOWN
B
-



PROP CONDITION
STA 19+20
CV-T1305 AS SHOWN
C
-



PROP CONDITION
STA 21+00
CV-T1305 AS SHOWN
D
-

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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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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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 - 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.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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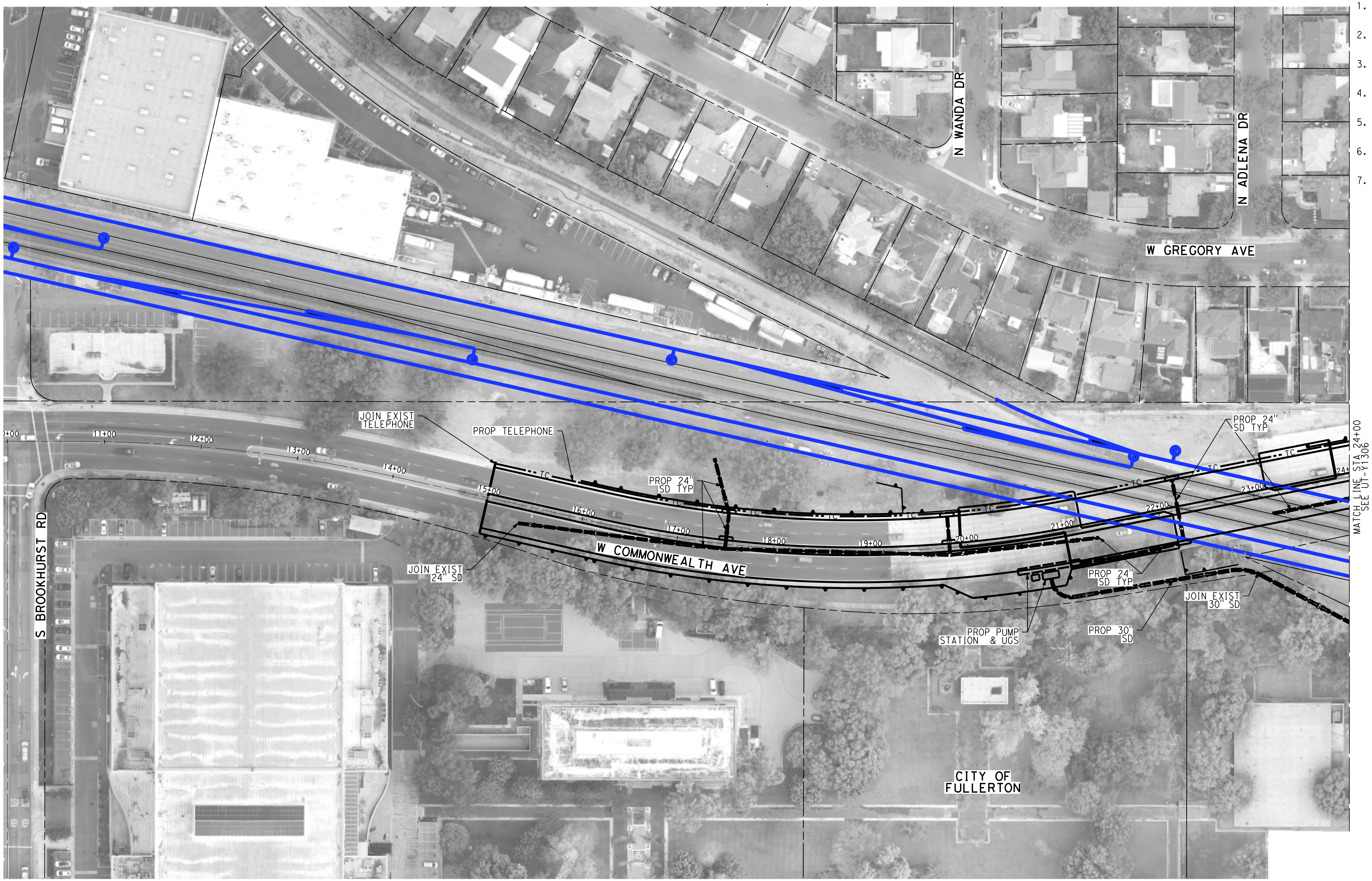
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

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 - W COMMONWEALTH AVE
UTILITY PLAN - SHEET 1 OF 2

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

$PLTDRVS$
$TIME$
$DATE$
$USER$
$FILE$

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.
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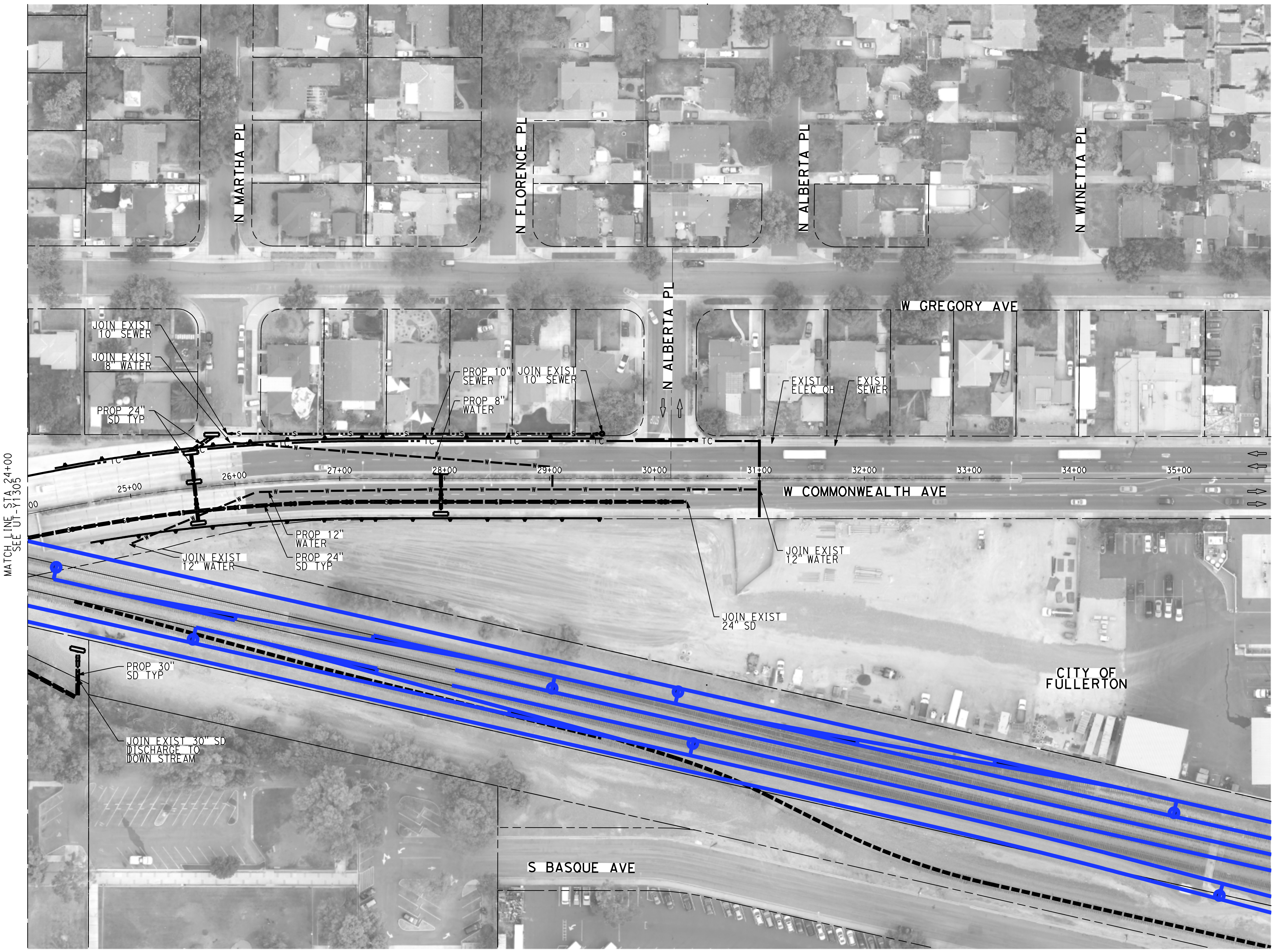
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

1"=50' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

$PLTDRV$
$TIME$
$DATE$
$USER$
$FILE$

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

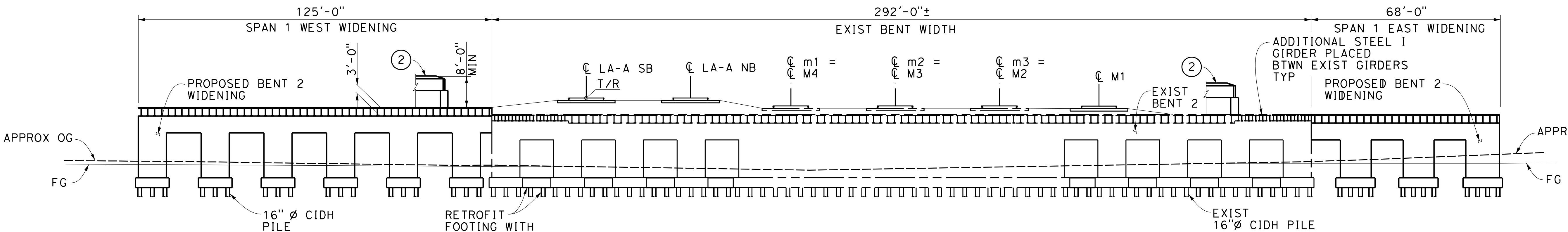
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1306
SCALE
AS SHOWN
SHEET NO.



DEVELOPED SECTION (A)

1"=20'-0"

NOTES:

① RETAINING WALL

② PARAPET WITH ACCESS RESTRICTION FENCING

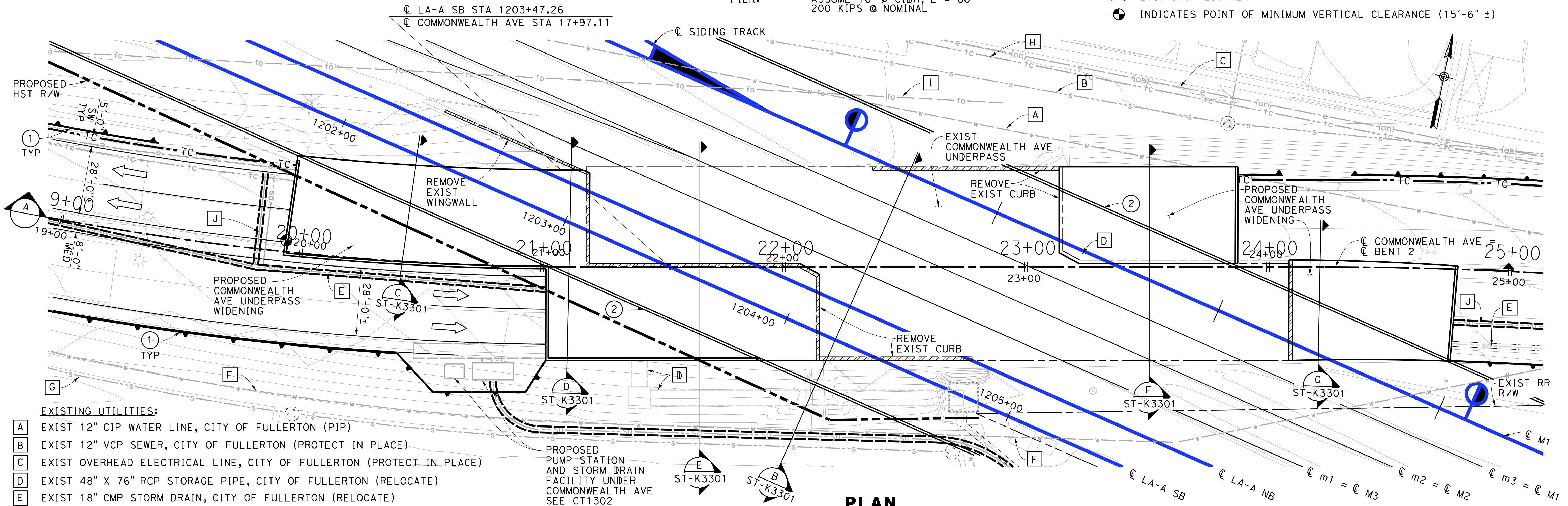
FOUNDATION:

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" ±)



PLAN

1"=20'-0"

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):

ADT_{2012}: 11000
ADT_{2030}: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME$_{2030}$: 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

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2/6/2025 12:39:28 PM
ChiangM

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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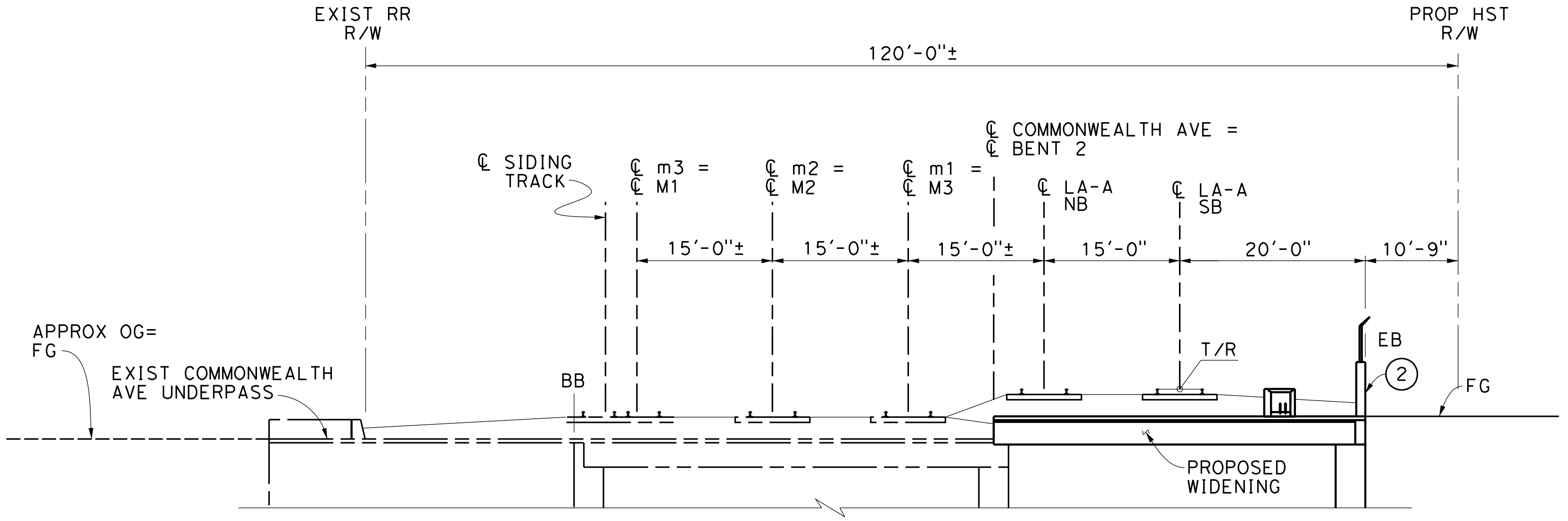
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

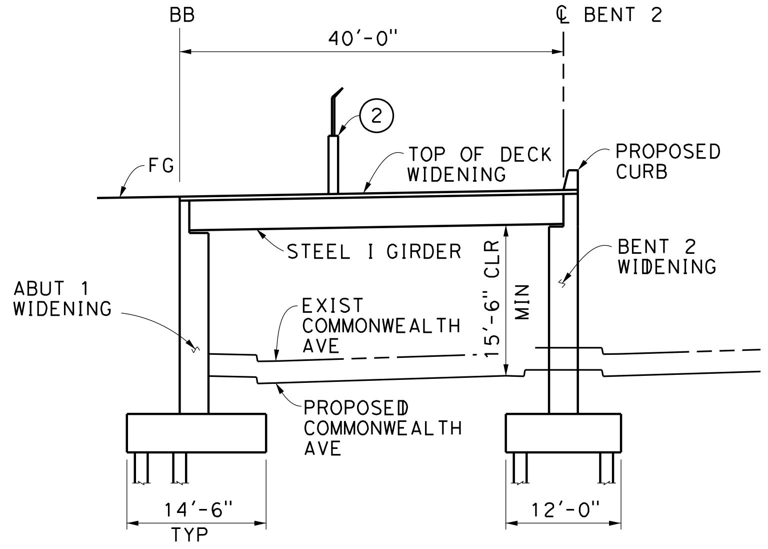
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - COMMONWEALTH AVE
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1301
SCALE AS SHOWN
SHEET NO.



SECTION B

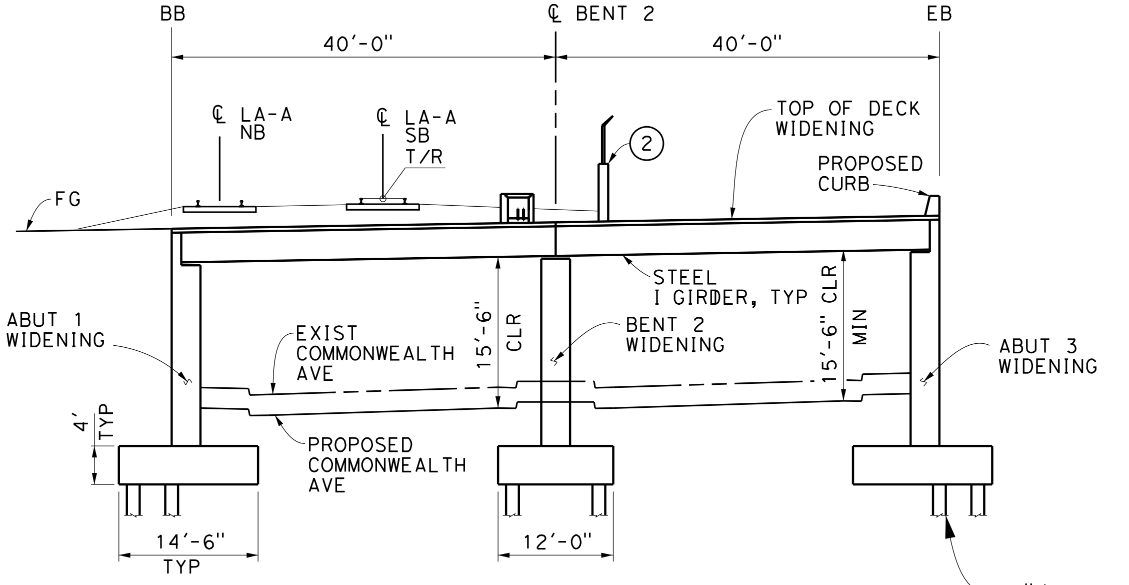
1"=10'-0" ST-K1301



SECTION C

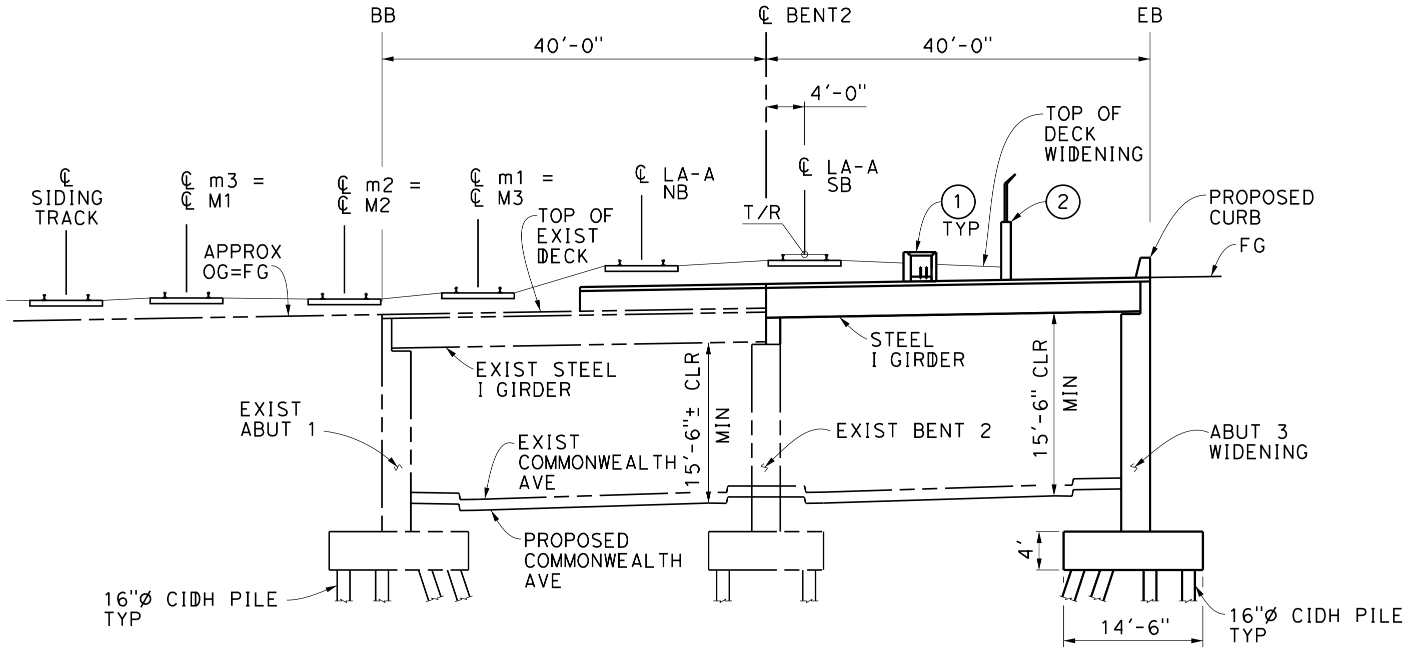
1"=10'-0" ST-K1301

(SECTION G SIMILAR, OPPOSITE HAND)



SECTION D

1"=10'-0" ST-K1301



SECTION E

1"=10'-0" ST-K1301

(SECTION F SIMILAR, OPPOSITE HAND)

NOTE:

① NEW UTILITY DUCT

② PARAPET WITH ACCESS RESTRICTION FENCING

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10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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ChiangM

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 8/25

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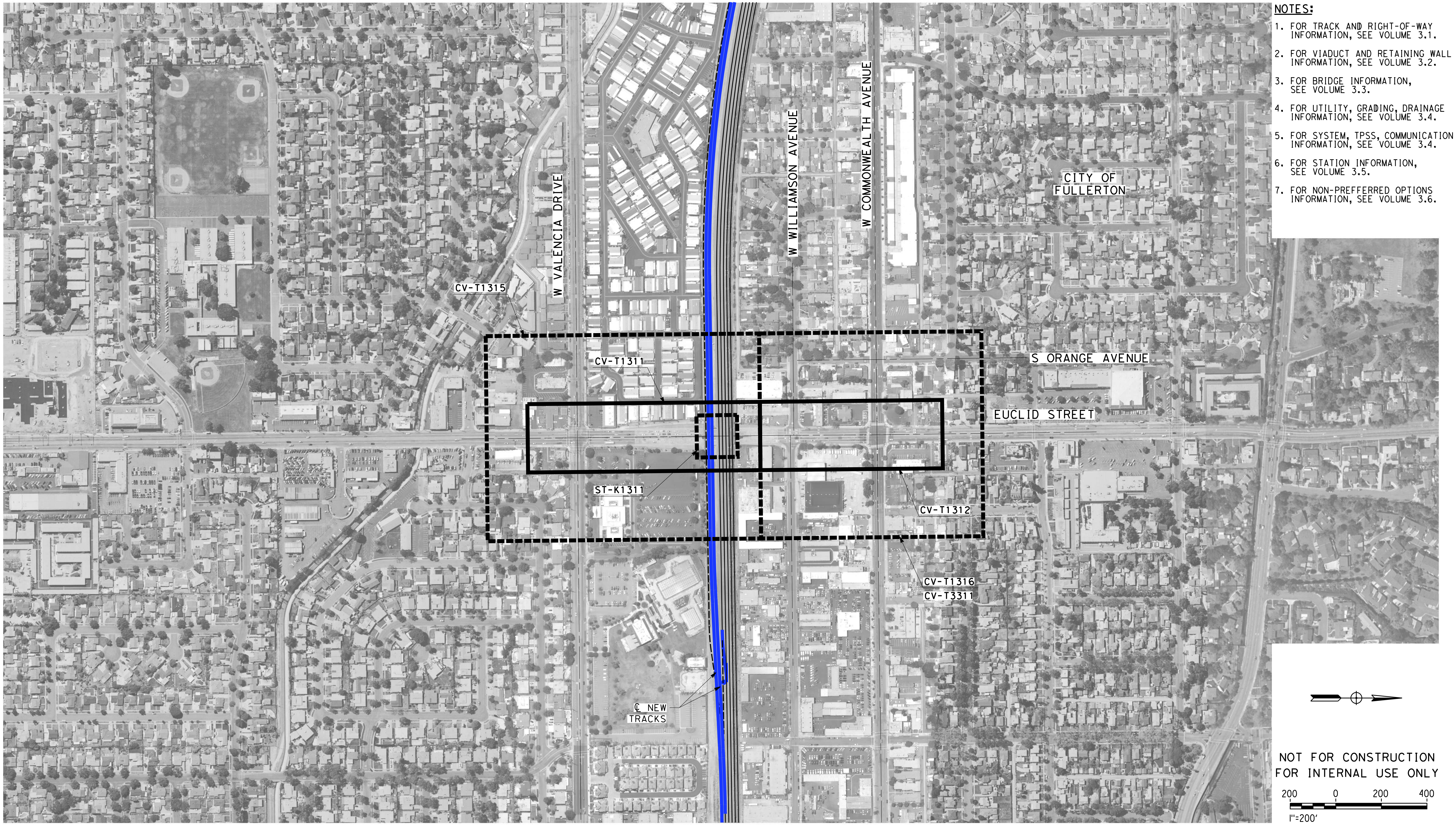
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3301
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-PREFFERRED 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 08/28/25

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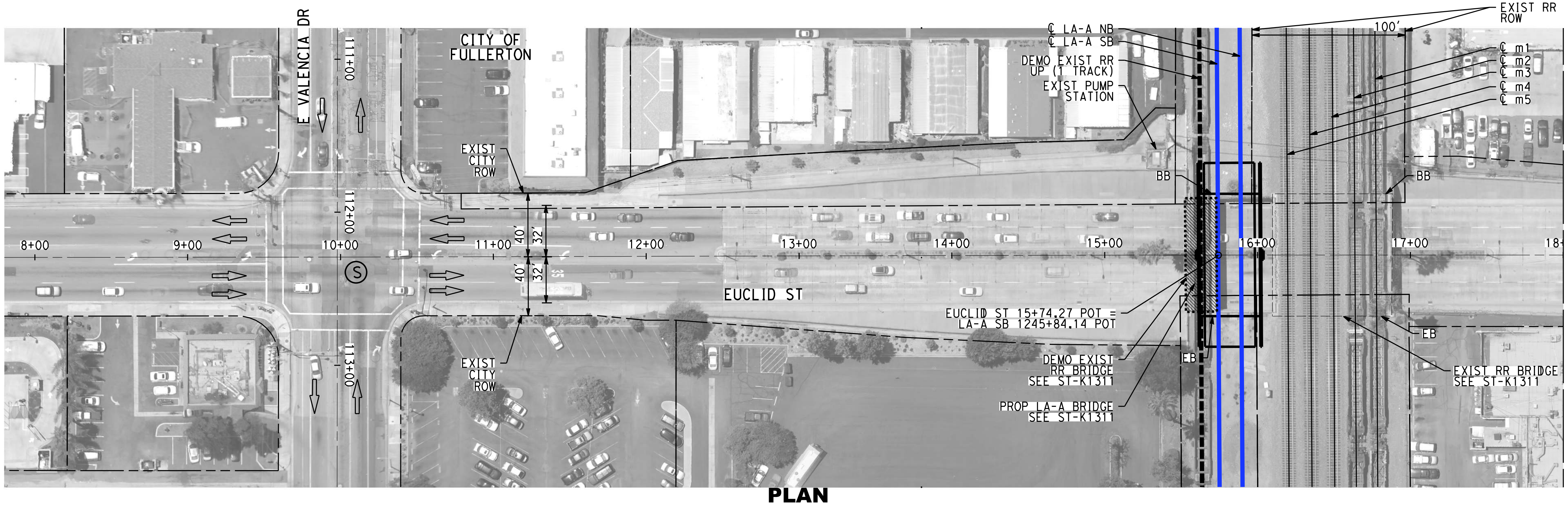
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0311
SCALE
1" = 200'
SHEET NO.

$PLOT$



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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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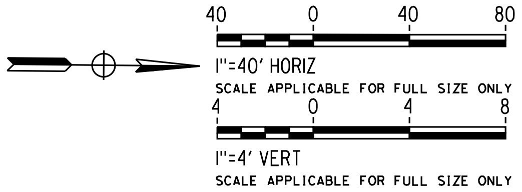
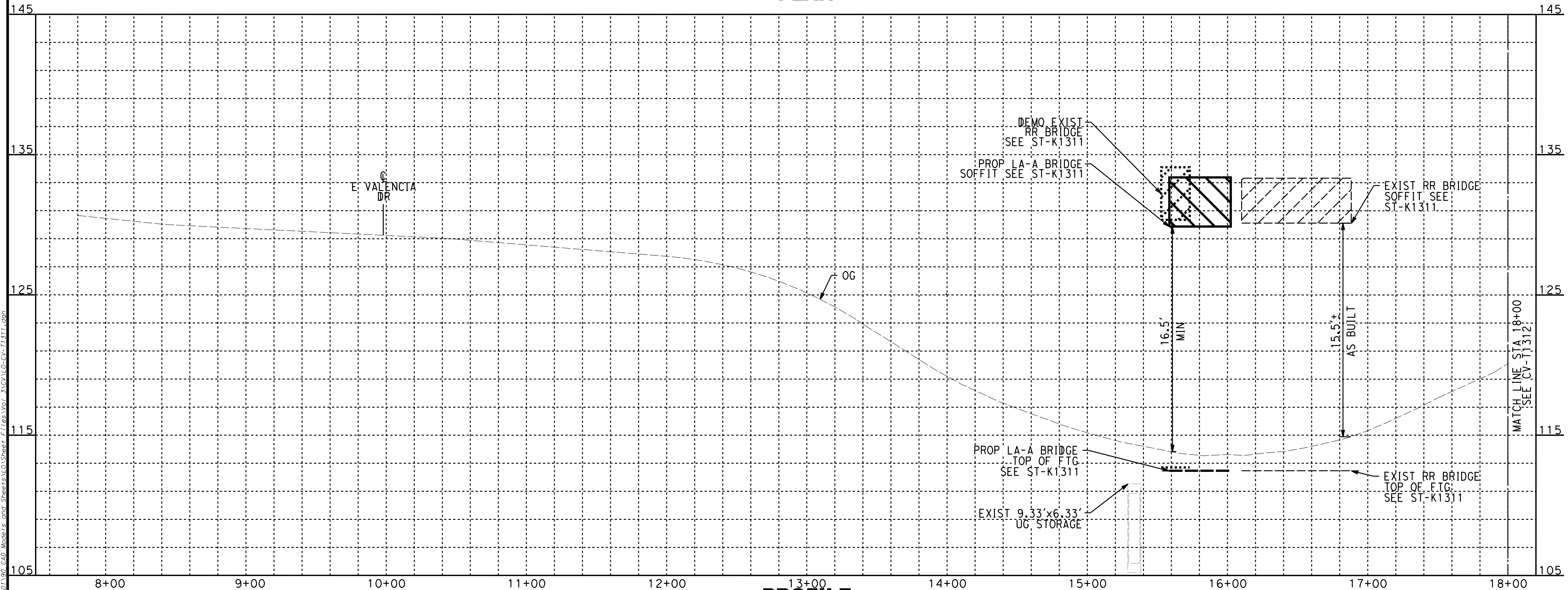
FOR INTERNAL USE ONLY


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


145
135
125
115
105
℄ E VALENCIA DR
OG
DEMO EXIST RR BRIDGE SEE ST-K1311
PROP LA-A BRIDGE SOFFIT SEE ST-K1311
EXIST RR BRIDGE SOFFIT SEE ST-K1311
16.5' MIN
15.5'± AS BUILT
PROP LA-A BRIDGE TOP OF FTG SEE ST-K1311
EXIST RR BRIDGE TOP OF FTG SEE ST-K1311
EXIST 9.33'x6.33' UG STORAGE
MATCH LINE STA 18+00 SEE CV-T1312
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00

PROFILE

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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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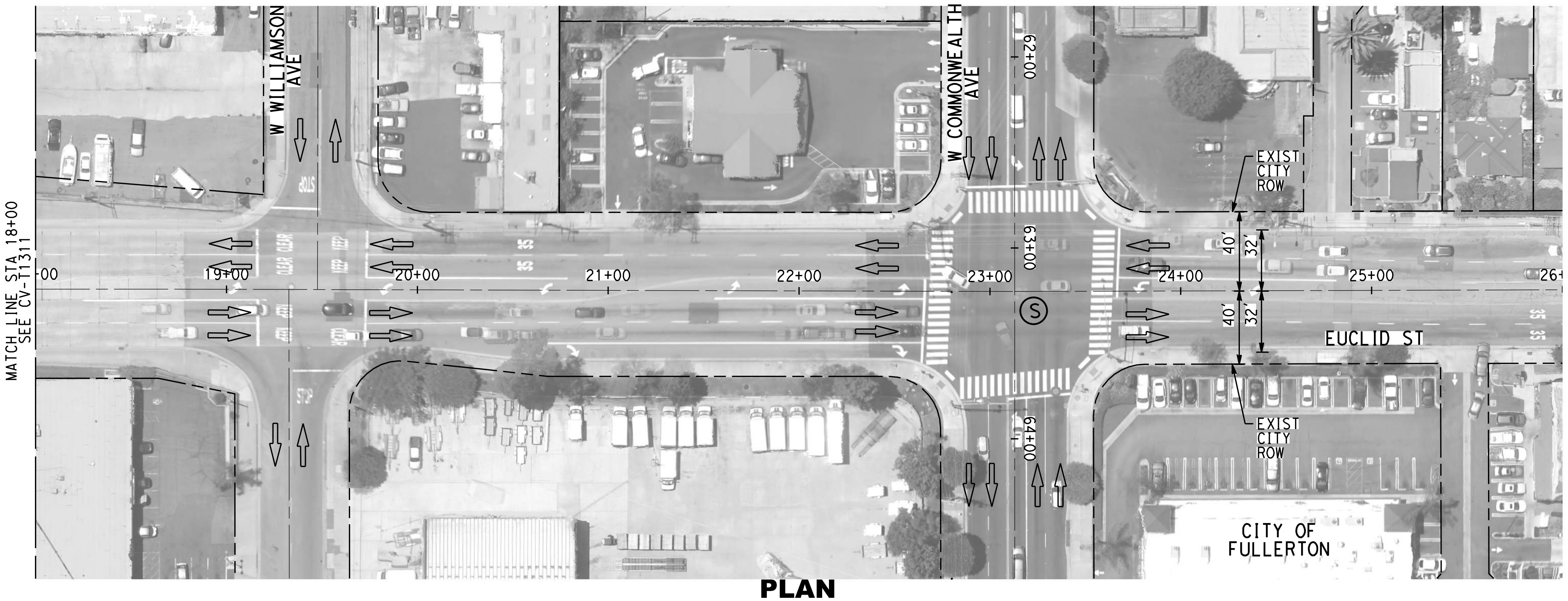
stv

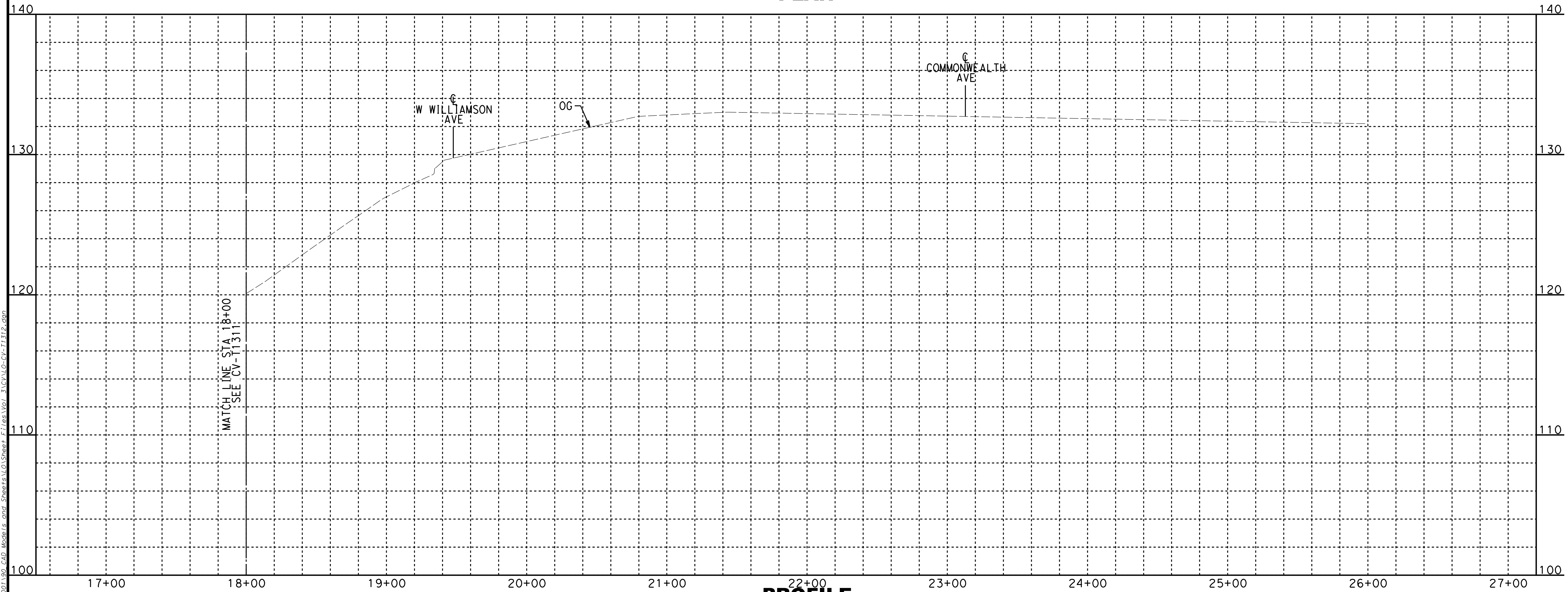
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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.



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-PREFFERRED 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

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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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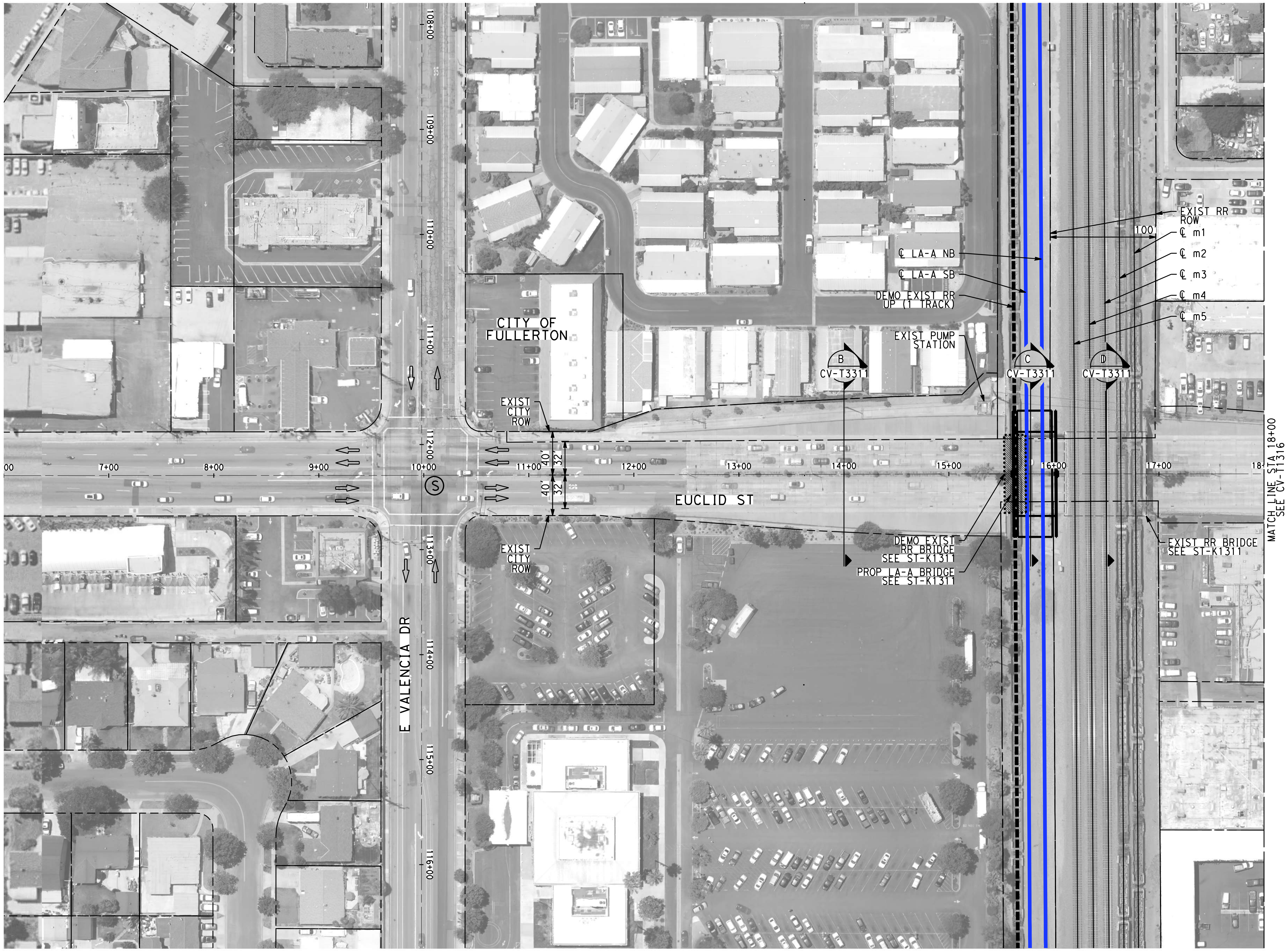
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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-PREFFERRED 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

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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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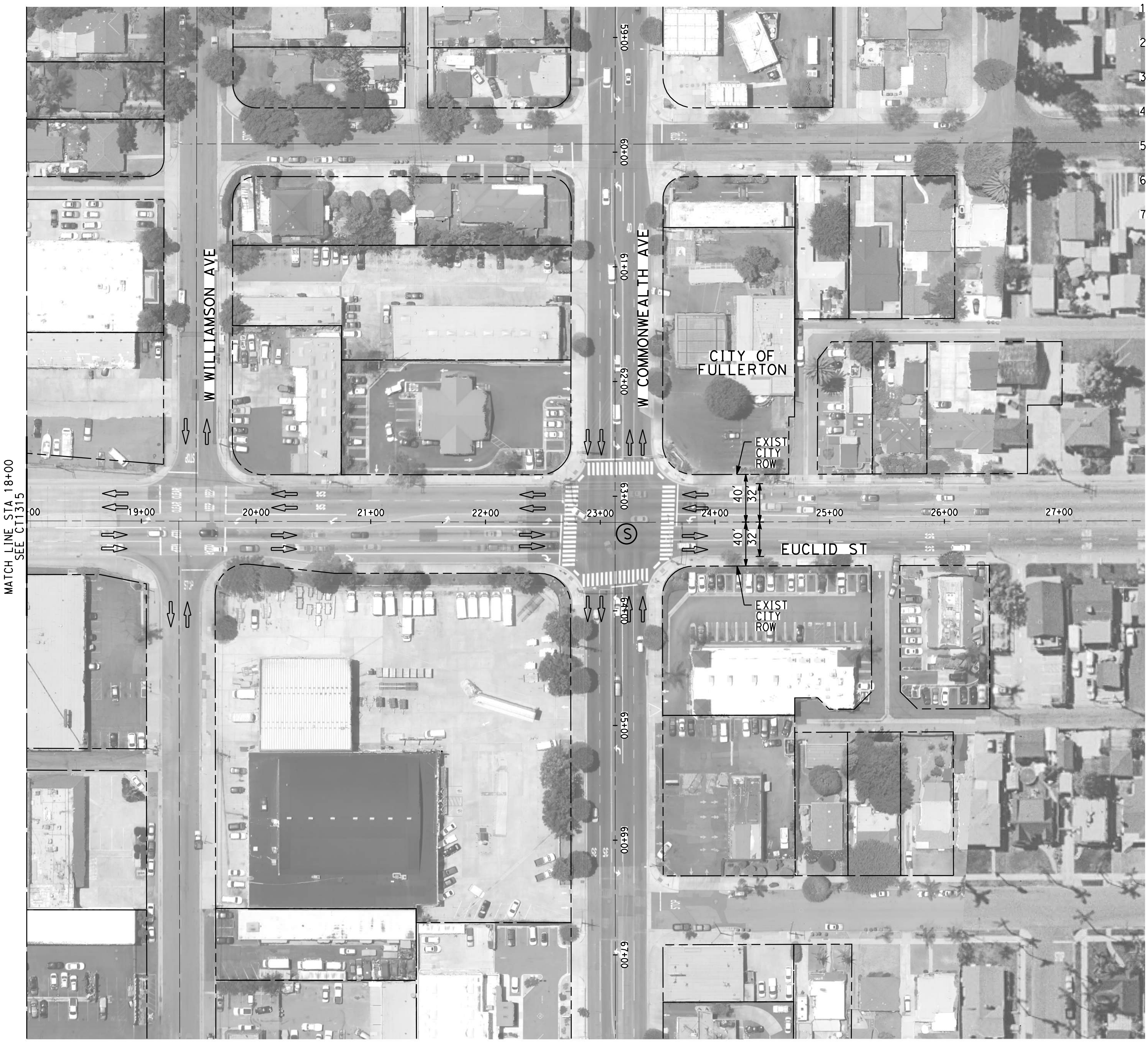
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1315
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-PREFFERRED 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

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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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USE ONLY**

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CONSTRUCTION**

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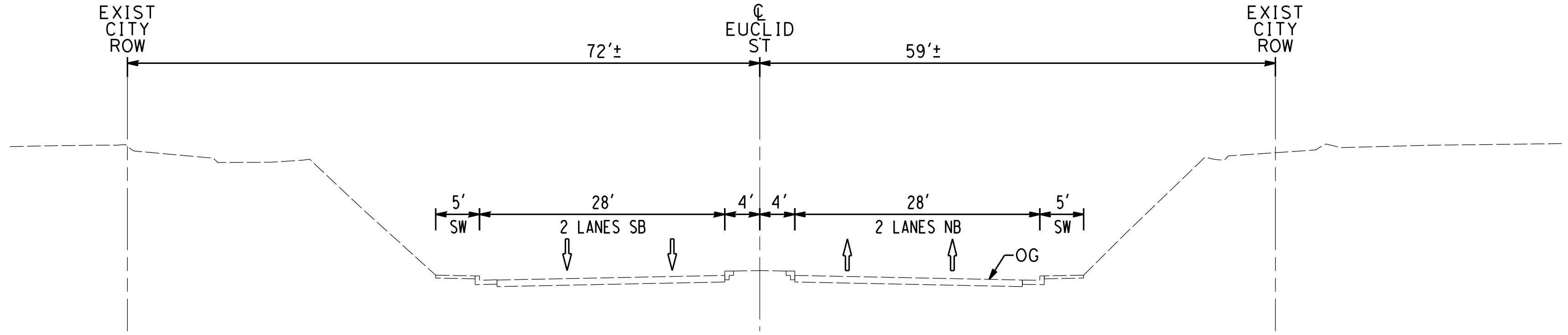
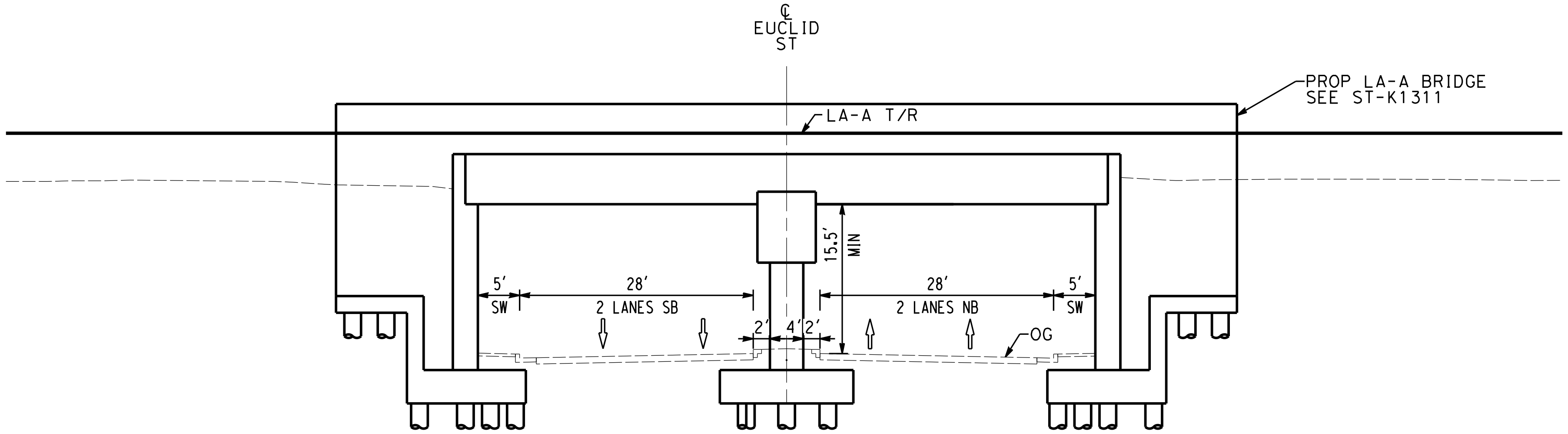
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

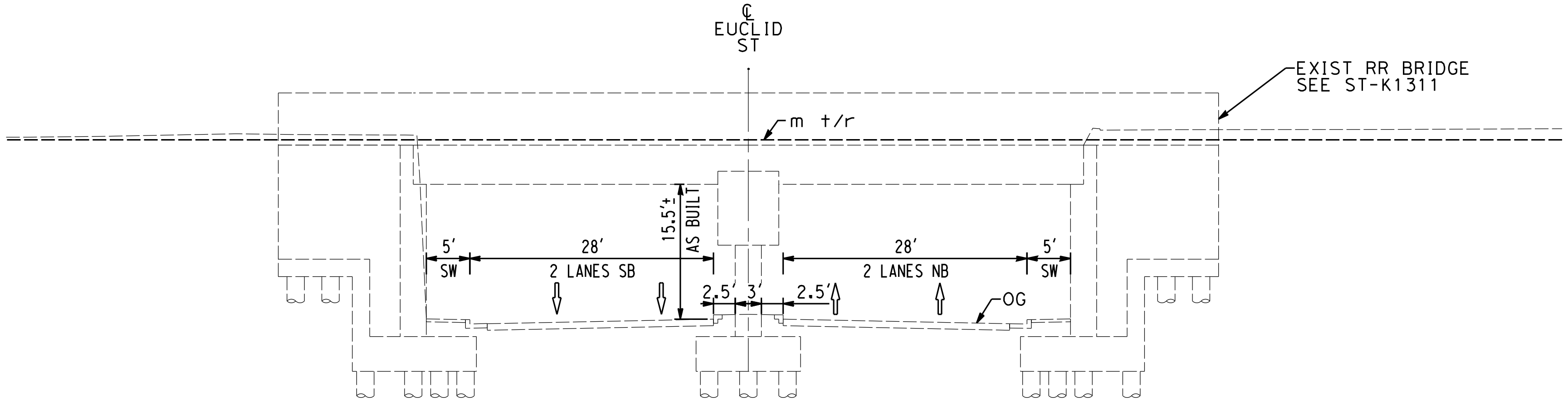
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1316
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 14+50
CV-T1315 AS SHOWN
B
-



PROP CONDITION
STA 15+75
CV-T1315 AS SHOWN
C
-



EXIST CONDITION
STA 16+50
CV-T1315 AS SHOWN
D
-

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
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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

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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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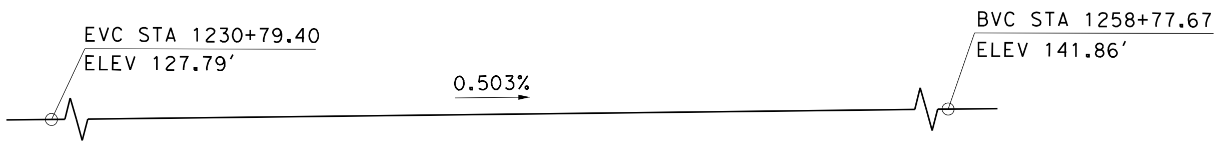
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

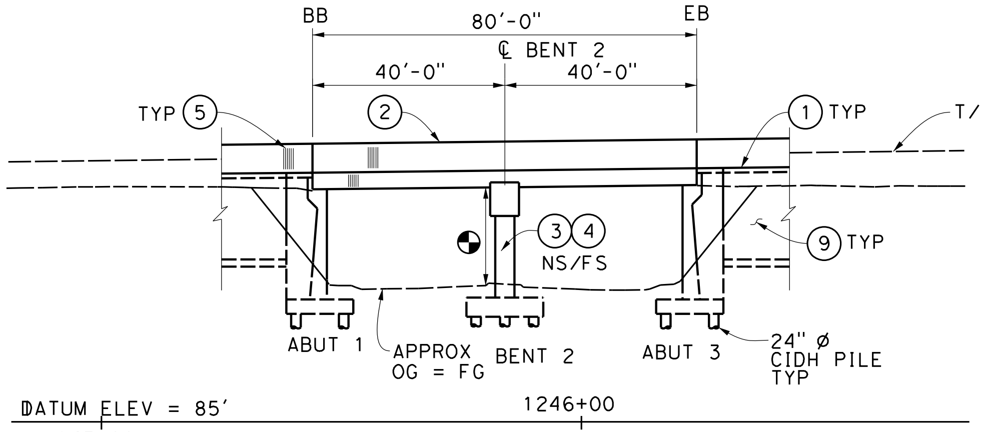
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - EUCLID ST
CROSS SECTION - SHEET 1 OF 1

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



TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



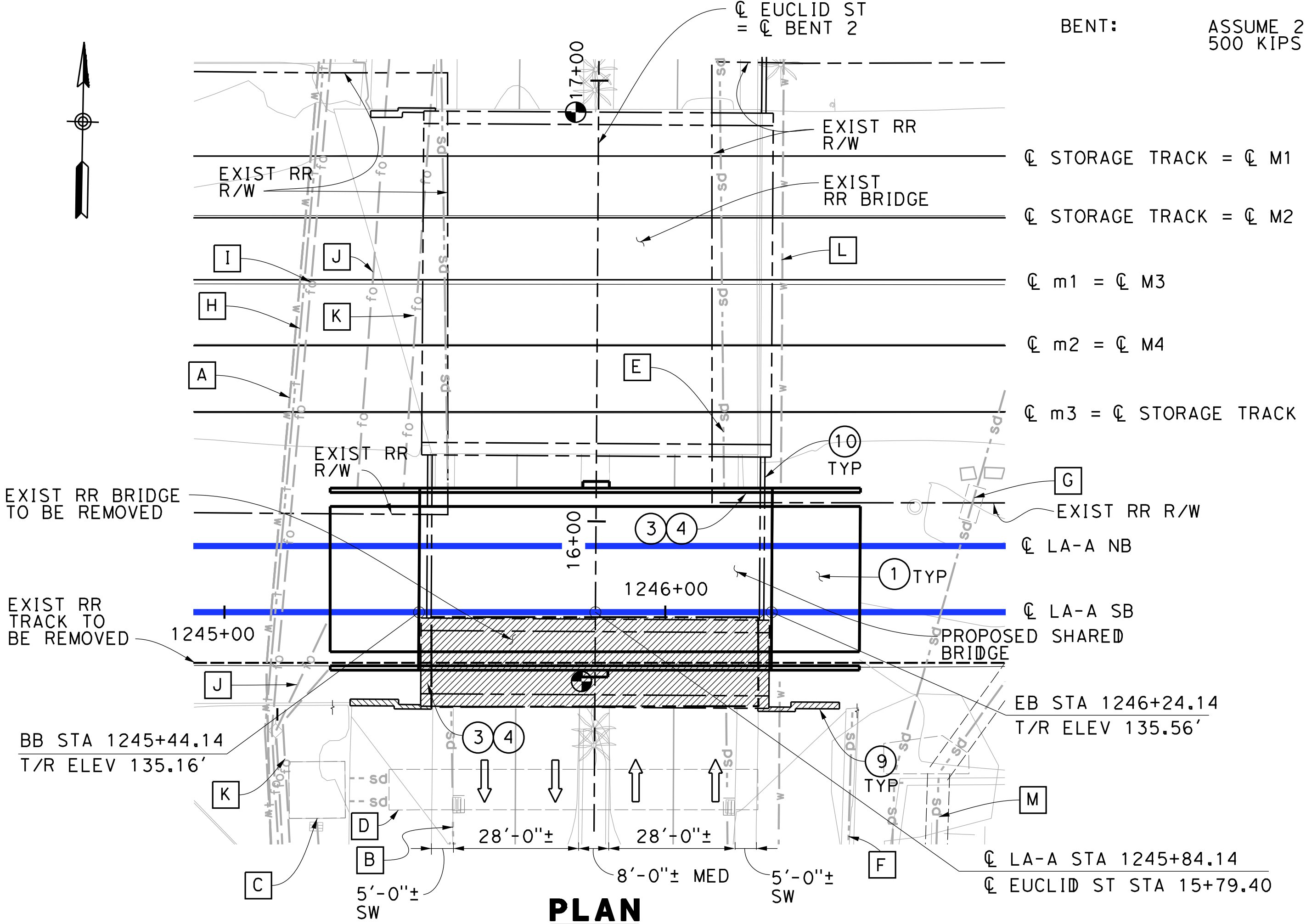
ELEVATION

1"=20'-0"

FOUNDATION:

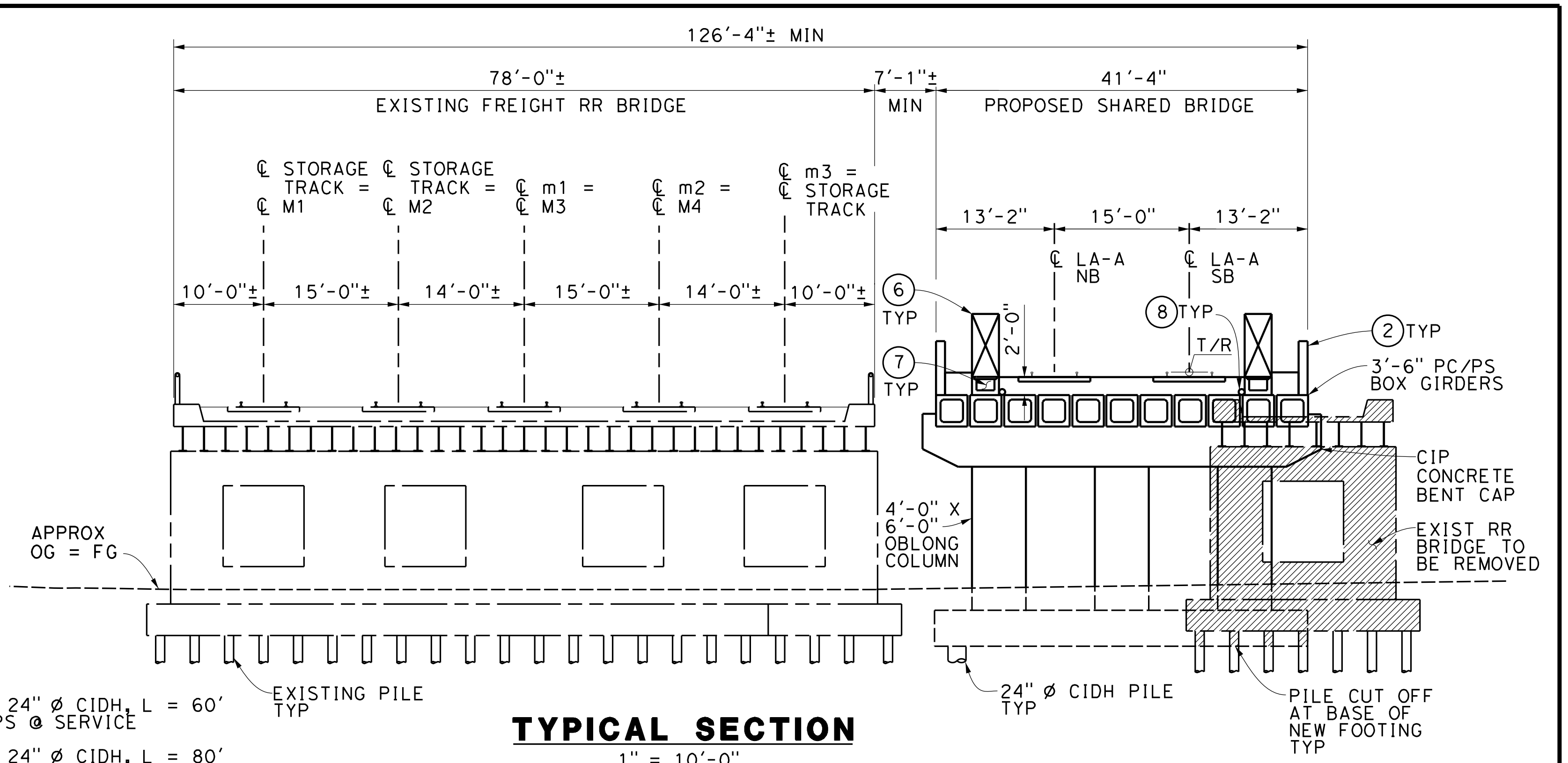
ABUTMENTS: ASSUME 24" Ø CIDH, L = 60'
180 KIPS @ SERVICE

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



PLAN

1"=20'-0"



TYPICAL SECTION

1" = 10'-0"

NOTES:

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

1. ALL PROPOSED BRIDGES HAVE AN OUTWARD 2% SLOPE FROM ℄ OF BRIDGE.
2. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
3. 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):

ADT$_{2009}$: 38,300
ADT$_{2035}$: 40,900
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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 - EUCLID STREET
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1311
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.
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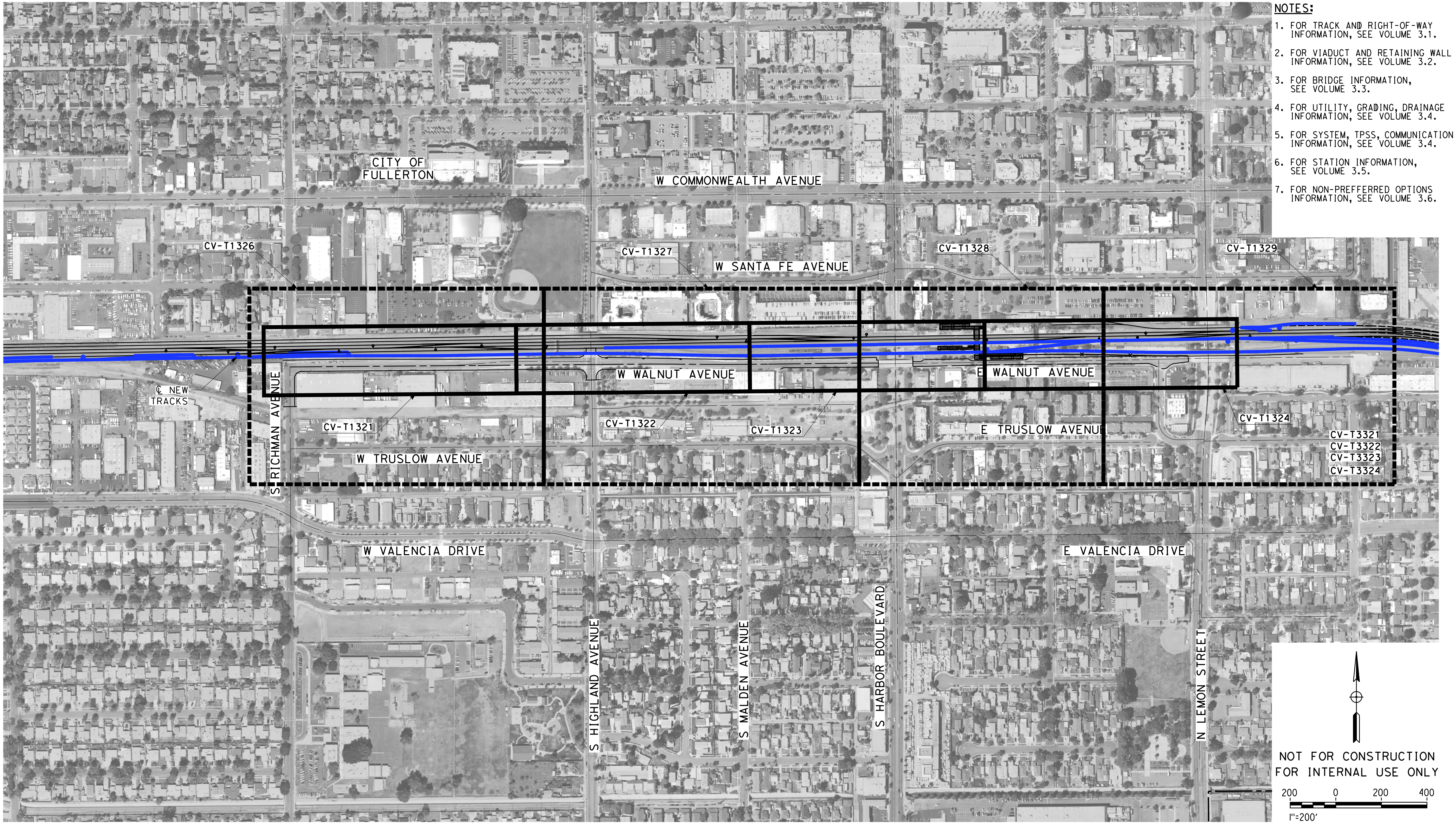
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/258/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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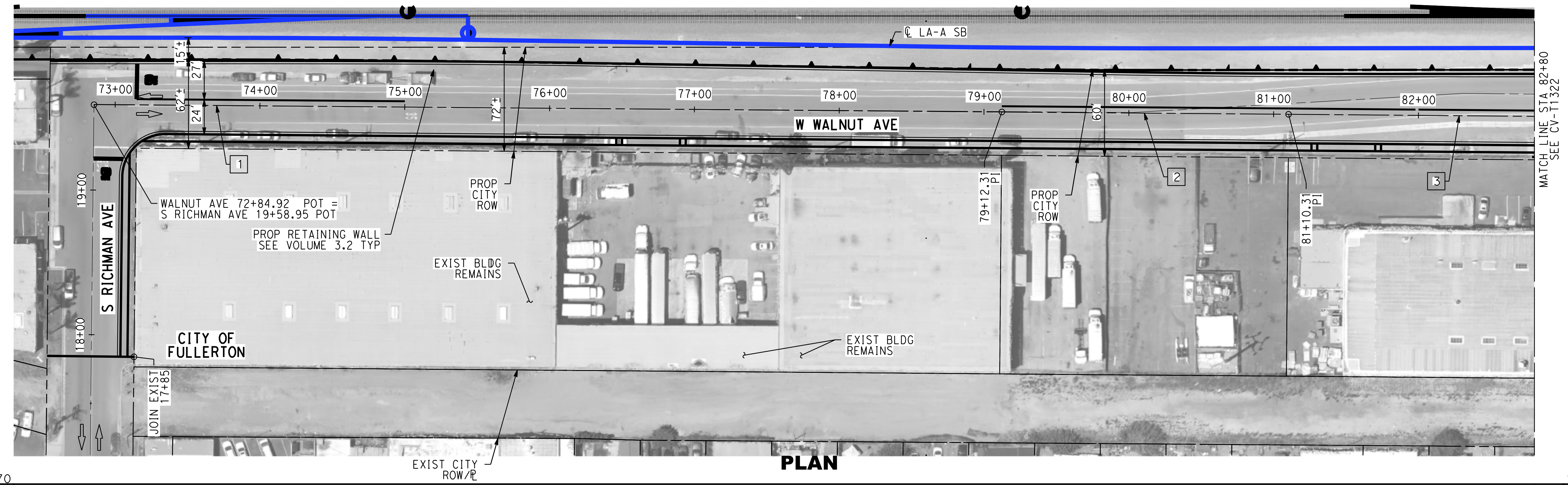
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0321
SCALE
1" = 200'
SHEET NO.

$PLOT$



PLAN

NOTES:

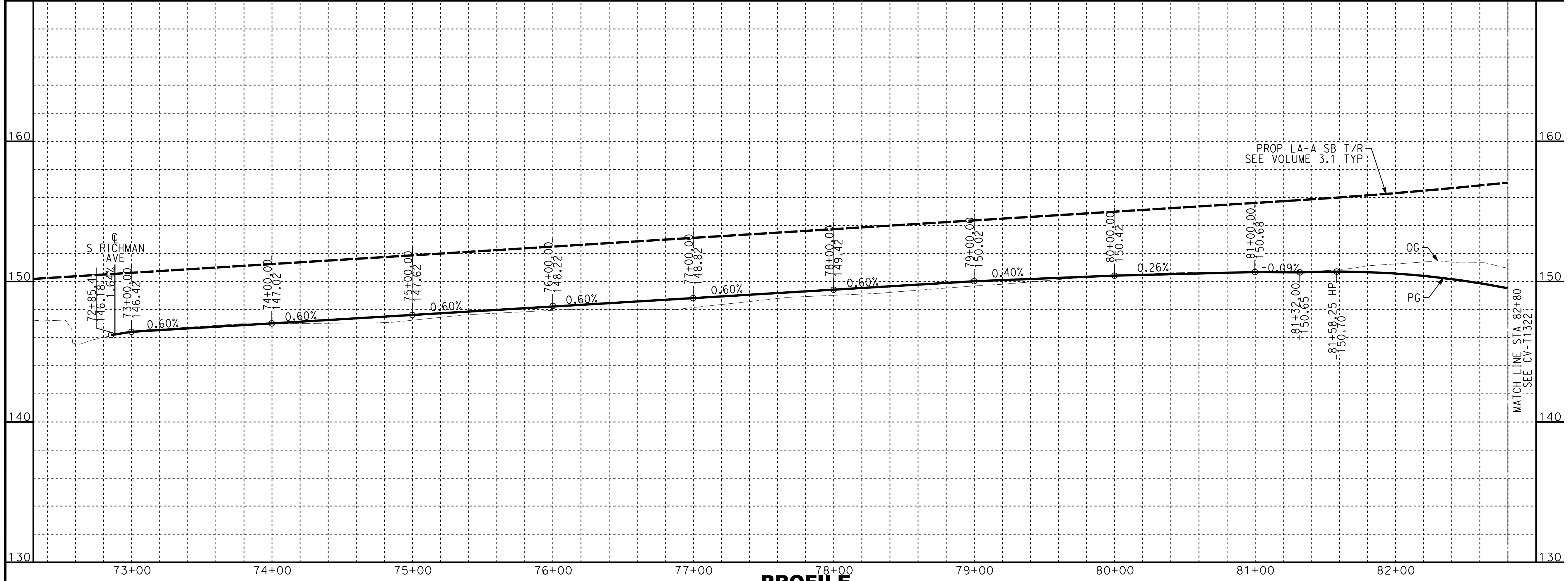
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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

LINE DATA

NO	BEARING	DISTANCE
1	N89°32'01"E	626.90'
2	N89°32'04"E	198.01'
3	N89°32'00"E	213.41'



PROFILE

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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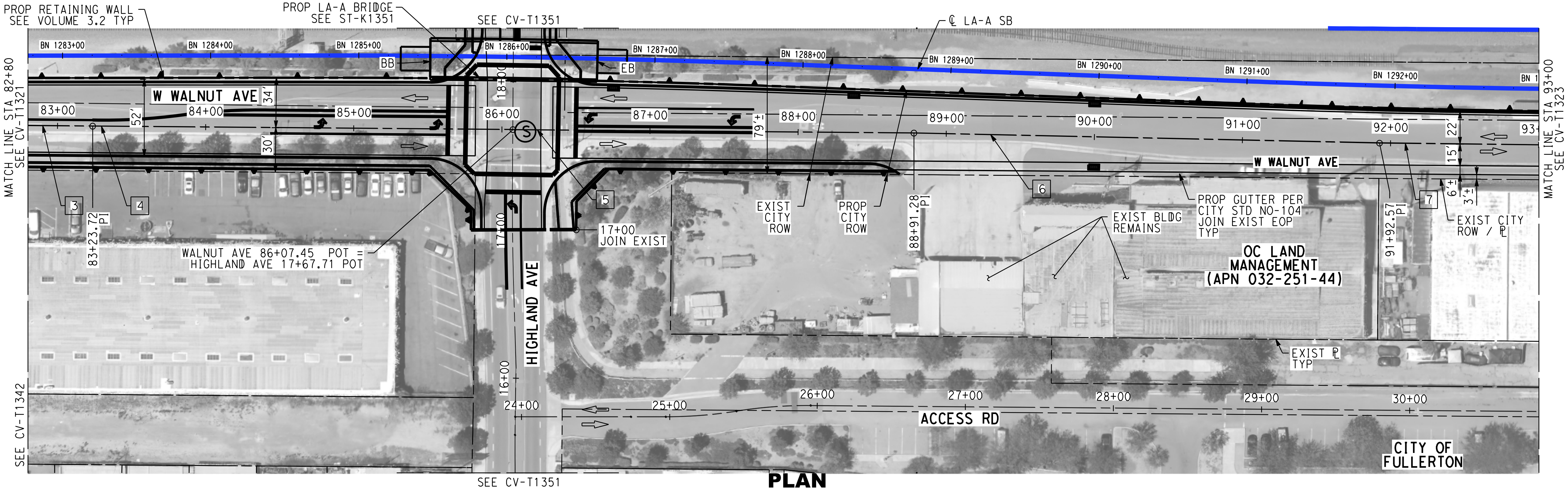
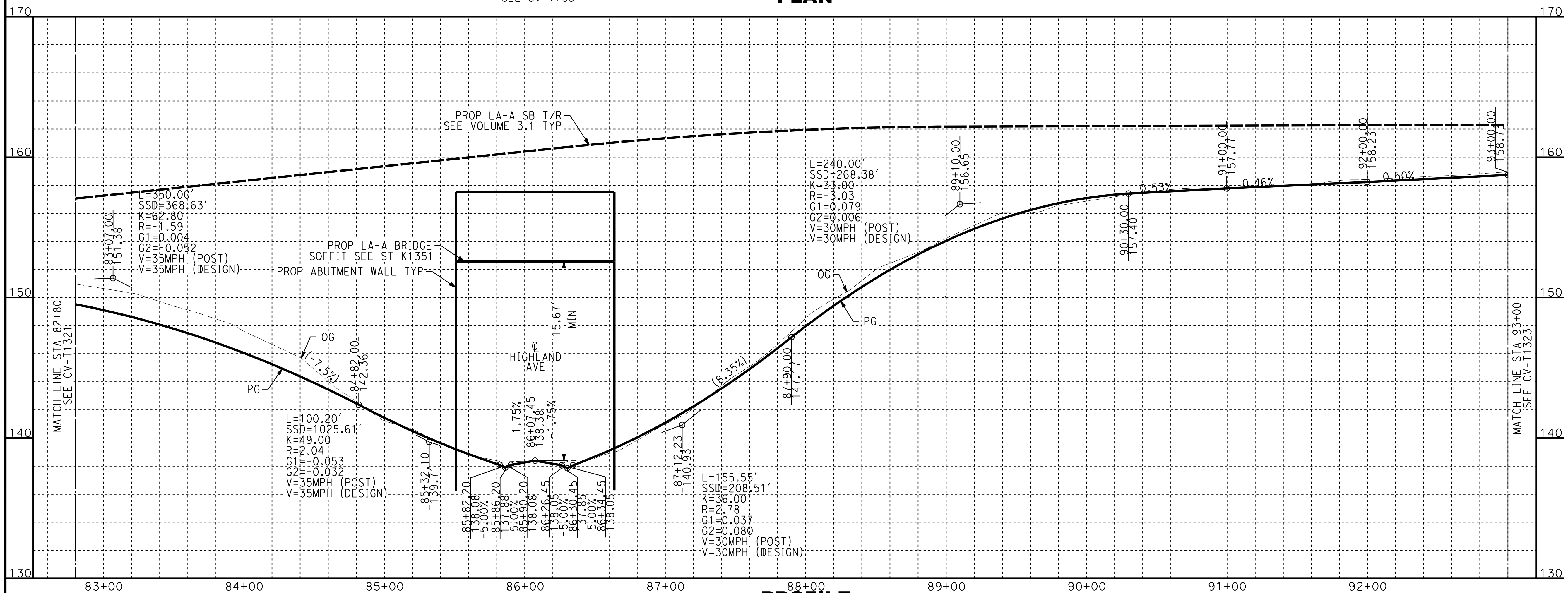
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
PLAN AND PROFILE - SHEET 1 OF 4

HSR06-0005
CV-T1321
AS SHOWN



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-PREFFERRED 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

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'

A. CHIANG
A. CHIANG
A. BOSCH
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02/28/25

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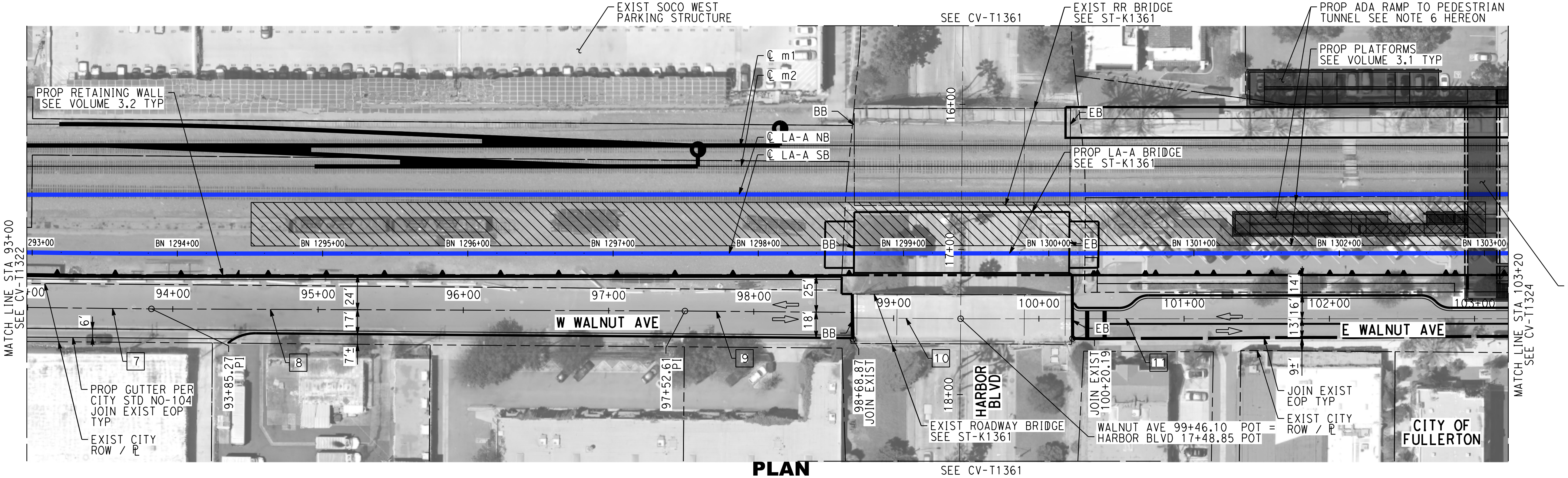
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

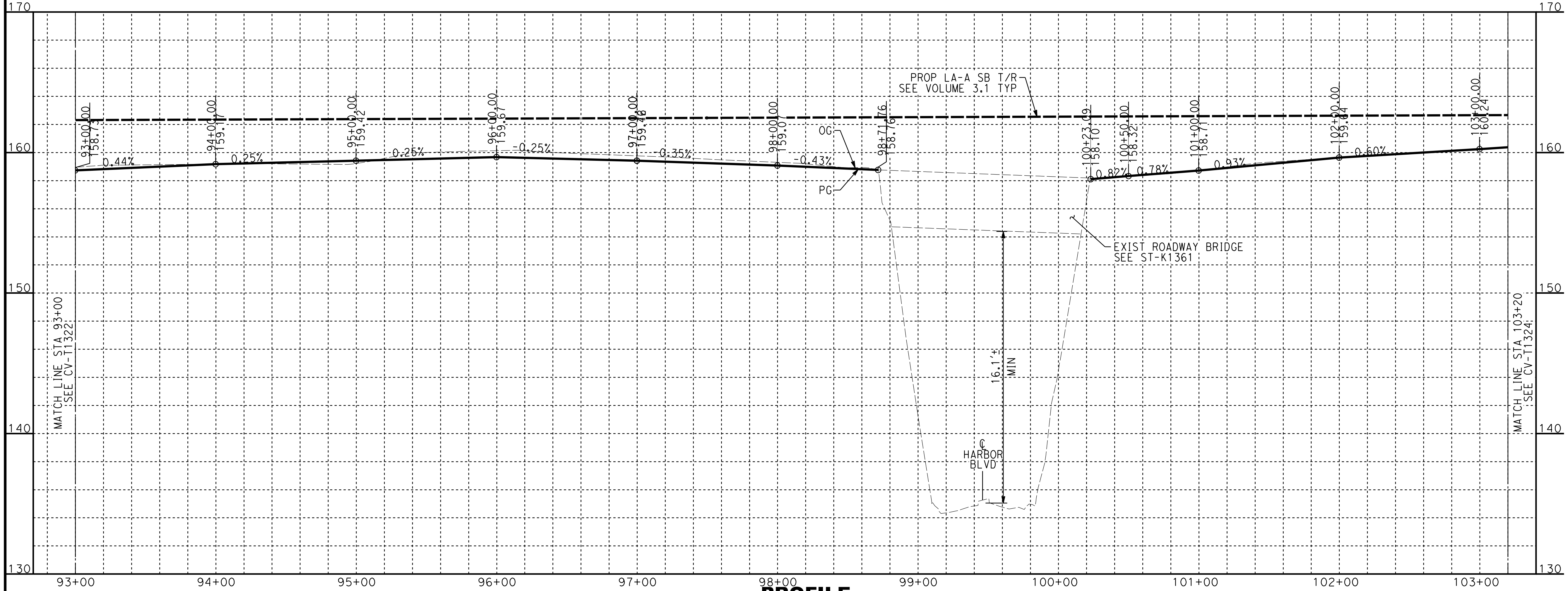
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
PLAN AND PROFILE - SHEET 2 OF 4

HSR06-0005
CV-T1322
AS SHOWN


EXIST SOCO WEST PARKING STRUCTURE
SEE CV-T1361
EXIST RR BRIDGE SEE ST-K1361
PROP ADA RAMP TO PEDESTRIAN TUNNEL SEE NOTE 6 HEREON
PROP PLATFORMS SEE VOLUME 3.1 TYP
℄ m1
℄ m2
PROP RETAINING WALL SEE VOLUME 3.2 TYP
BB
EB
16+00
℄ LA-A NB
℄ LA-A SB
PROP LA-A BRIDGE SEE ST-K1361
MATCH LINE STA 93+00 SEE CV-T1322
293+00
BN 1294+00
BN 1295+00
BN 1296+00
BN 1297+00
BN 1298+00
BN 1299+00
17+00
BN 1300+00
BN 1301+00
BN 1302+00
BN 1303+00
MATCH LINE STA 103+20 SEE CV-T1324
PROP PEDESTRIAN TUNNEL SEE NOTE 6 HEREON
94+00
95+00
96+00
97+00
98+00
99+00
100+00
101+00
102+00
103+00
25'
24'
17'
6'
18'
7'±
14'
16'
13'
9±
W WALNUT AVE
E WALNUT AVE
7
8
9
10
11
93+85.27 PI
97+52.61 PI
98+68.87 JOIN EXIST
18+00
HARBOR BLVD
JOIN EXIST 100+20.19
PROP GUTTER PER CITY STD NO-104 JOIN EXIST EOP TYP
EXIST CITY ROW / ℄
EXIST ROADWAY BRIDGE SEE ST-K1361
WALNUT AVE 99+46.10 POT = HARBOR BLVD 17+48.85 POT
JOIN EXIST EOP TYP
EXIST CITY ROW / ℄
CITY OF FULLERTON

PLAN

SEE CV-T1361



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-PREFFERRED 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

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'

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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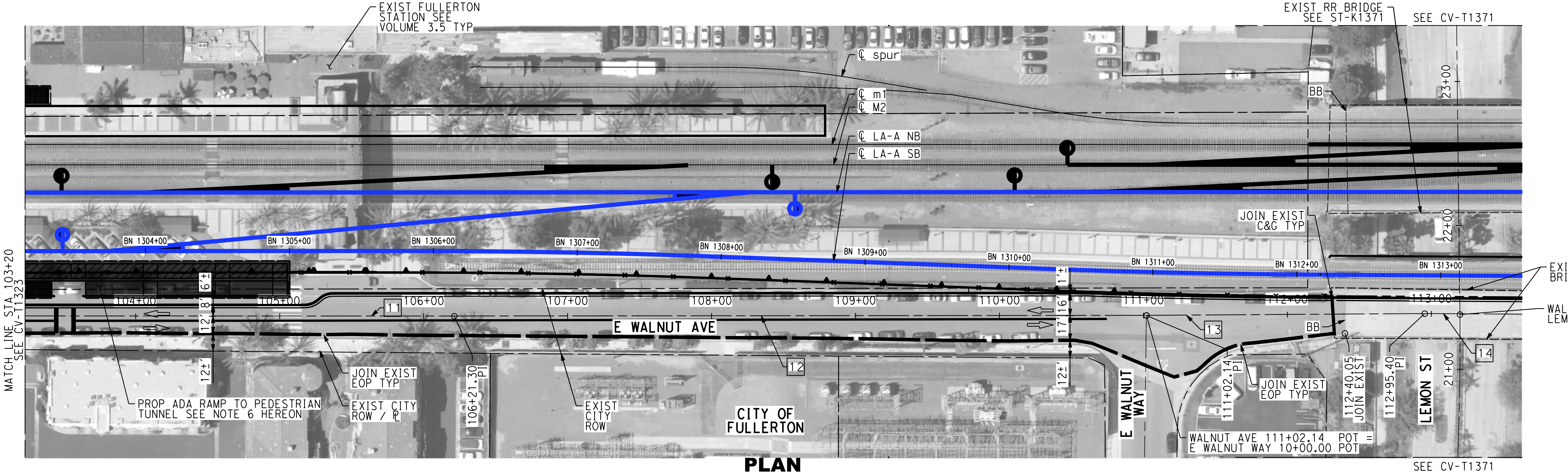
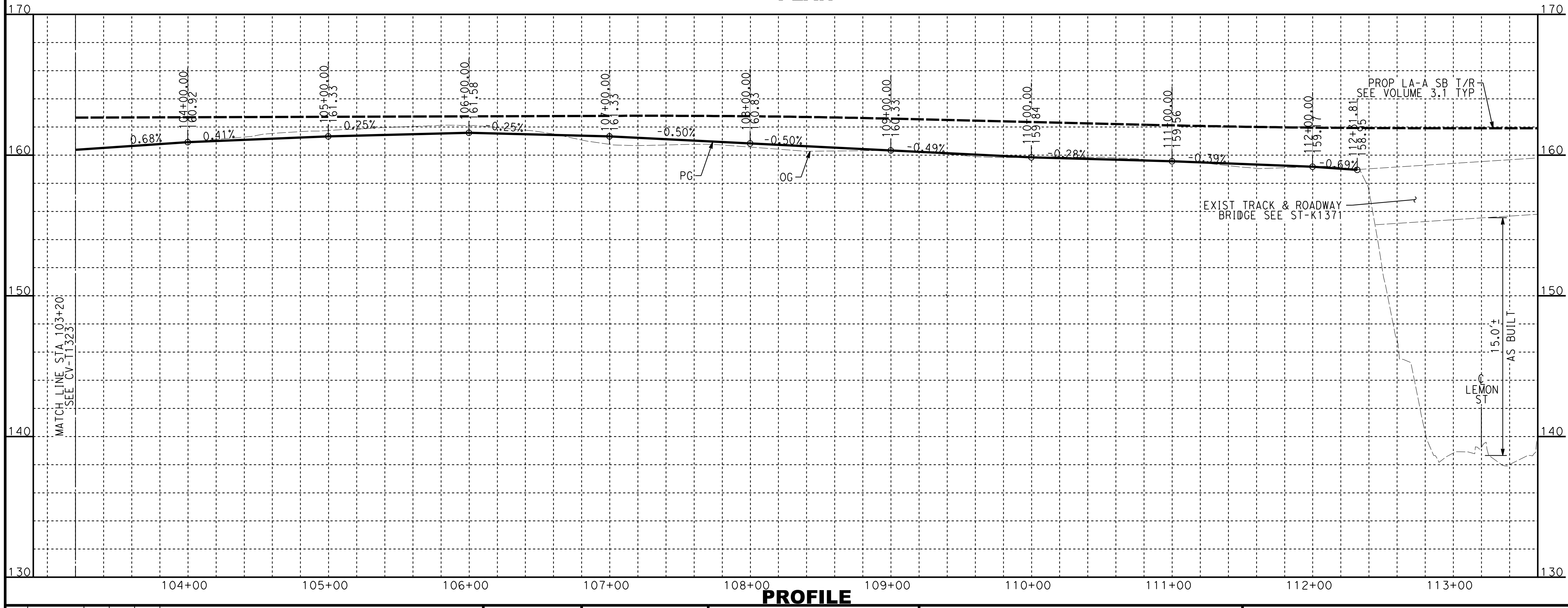
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
PLAN AND PROFILE - SHEET 3 OF 4

HSR06-0005
CV-T1323
AS SHOWN



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-PREFFERRED 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

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'

A. CHIANG
A. CHIANG
A. BOSCH
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02/28/25

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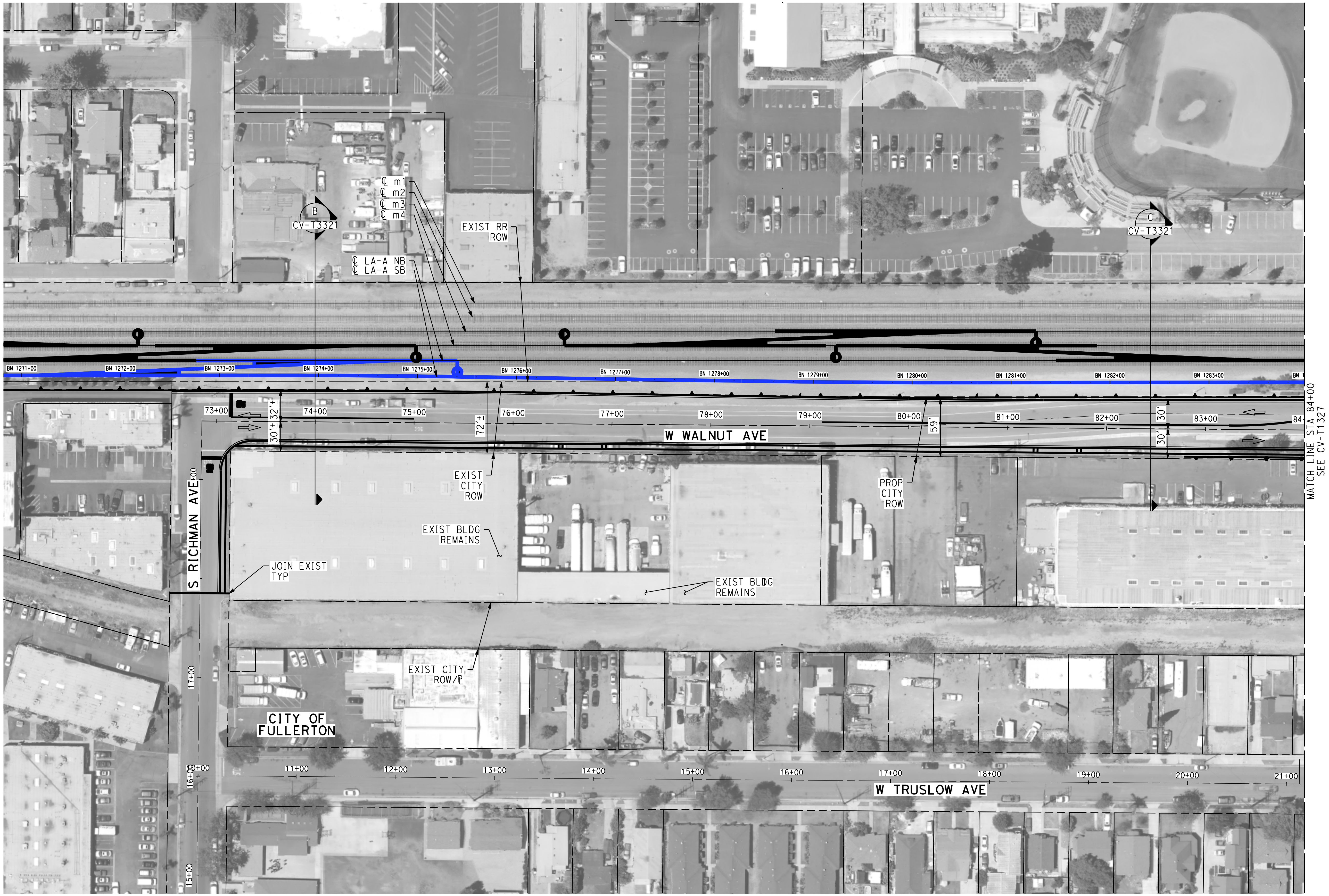
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
PLAN AND PROFILE - SHEET 4 OF 4

HSR06-0005
CV-T1324
AS SHOWN



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-PREFFERRED 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

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A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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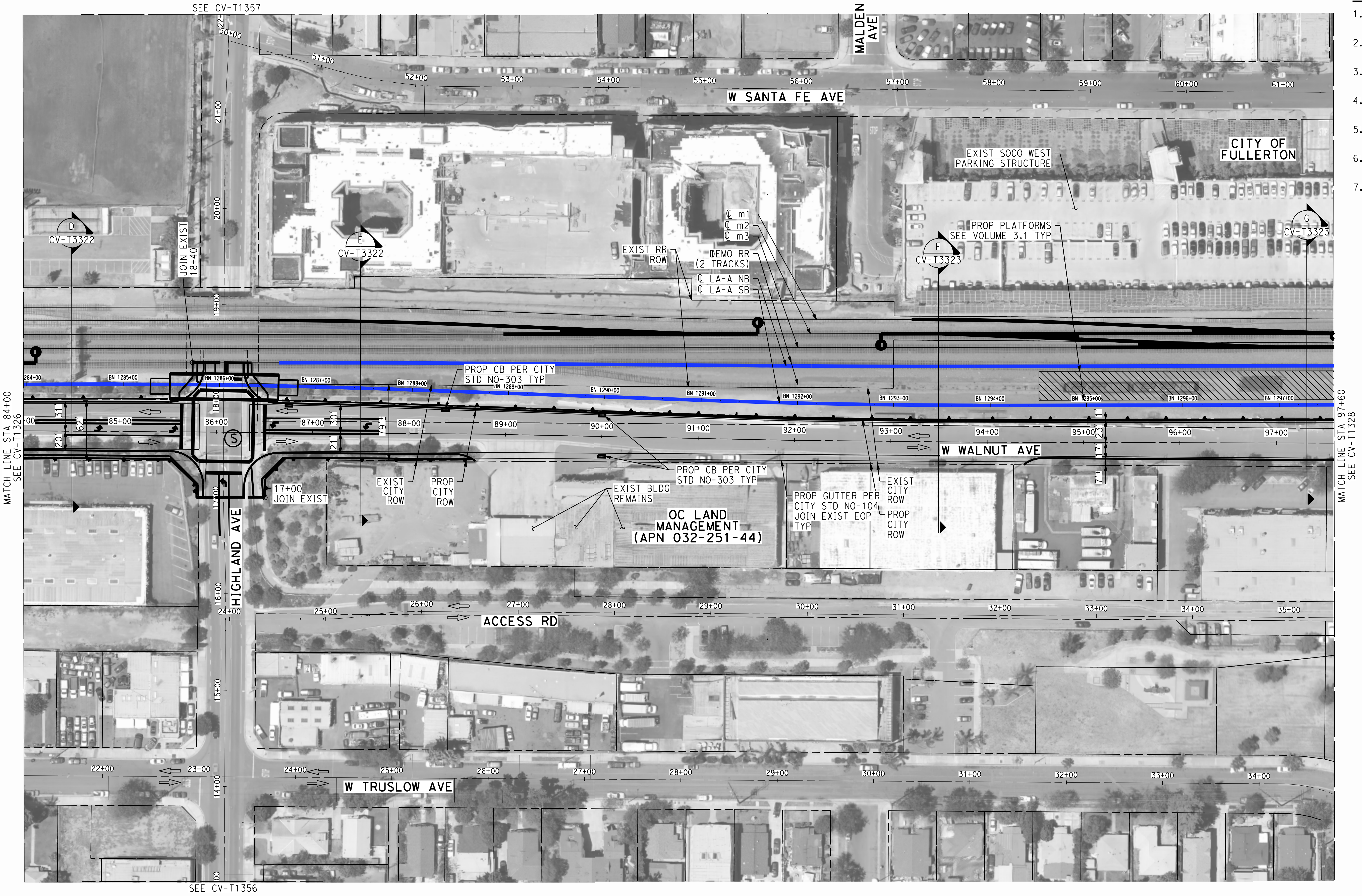
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
IMPACT PLAN - SHEET 1 OF 4

HSR06-0005
CV-T1326
AS SHOWN



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-PREFFERRED 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

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A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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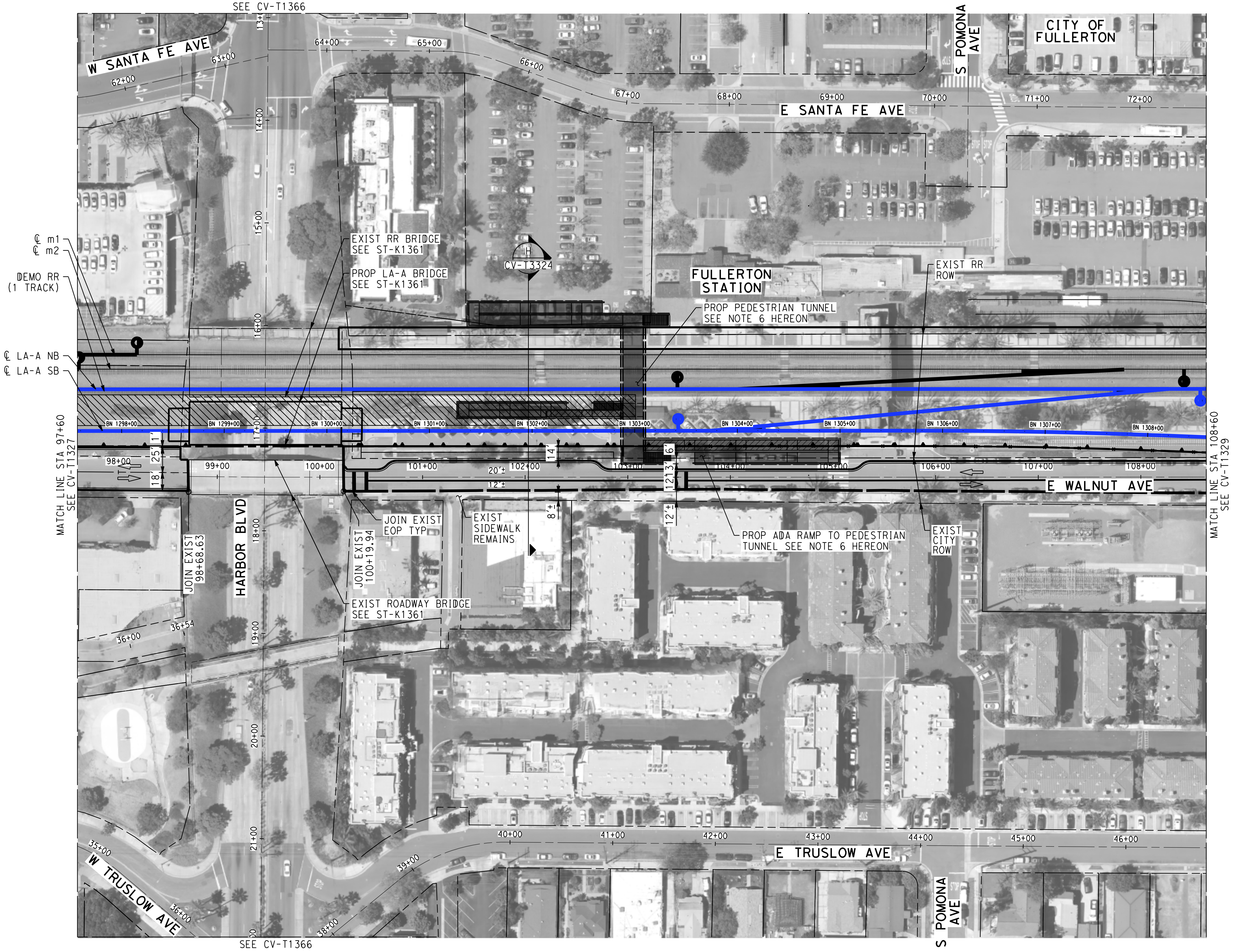
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
IMPACT PLAN - SHEET 2 OF 4

HSR06-0005
CV-T1327
AS SHOWN



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-PREFFERRED 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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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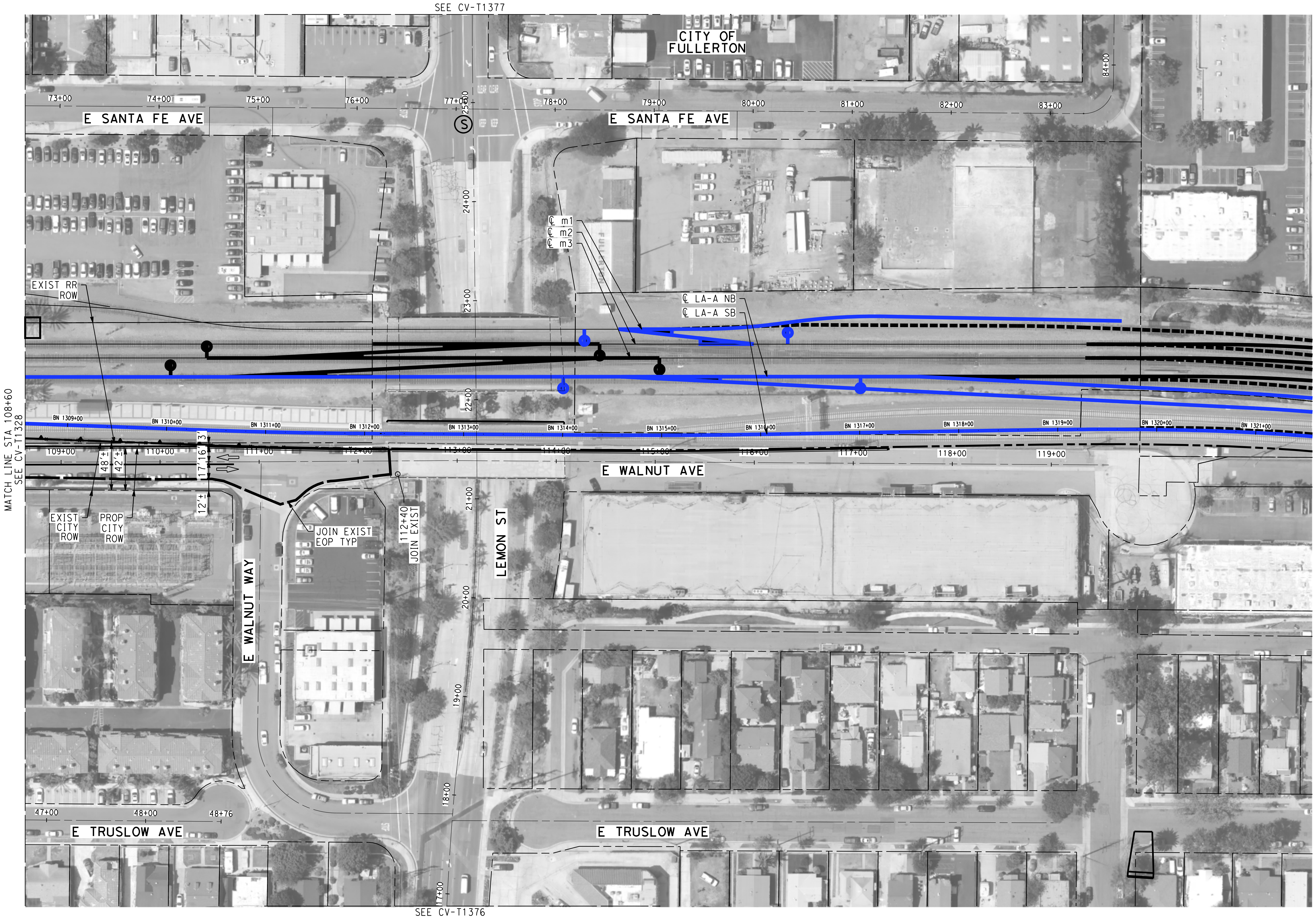
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
IMPACT PLAN - SHEET 3 OF 4

HSR06-0005
CV-T1328
AS SHOWN



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-PREFFERRED 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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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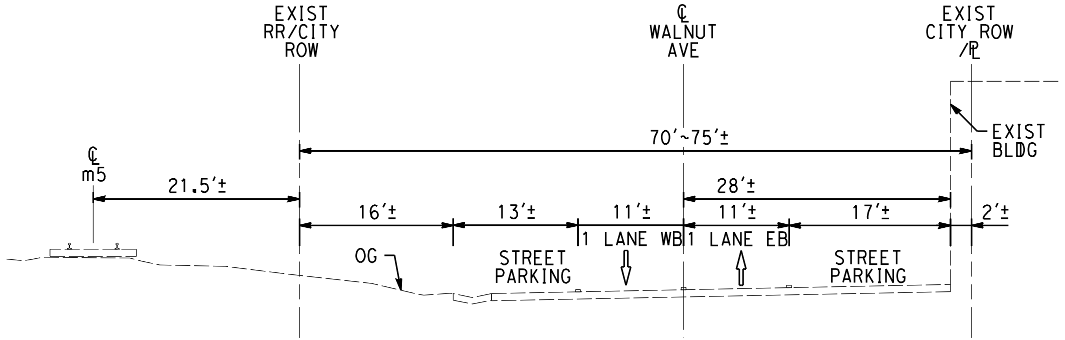
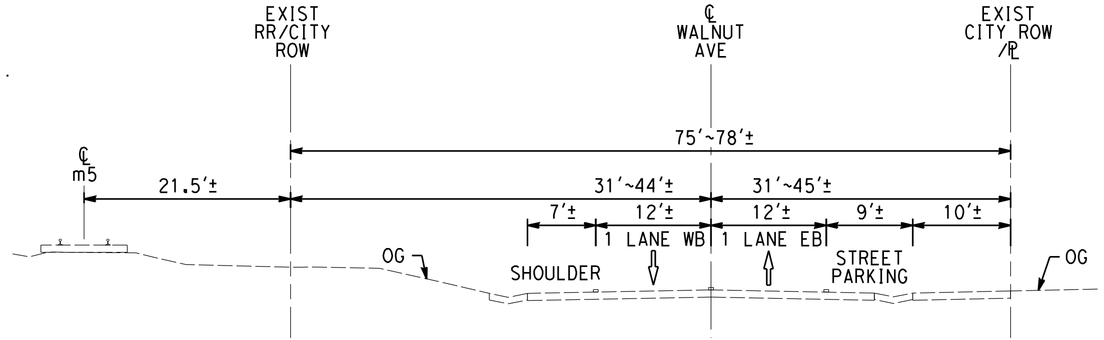
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
IMPACT PLAN - SHEET 4 OF 4

HSR06-0005
CV-T1329
AS SHOWN



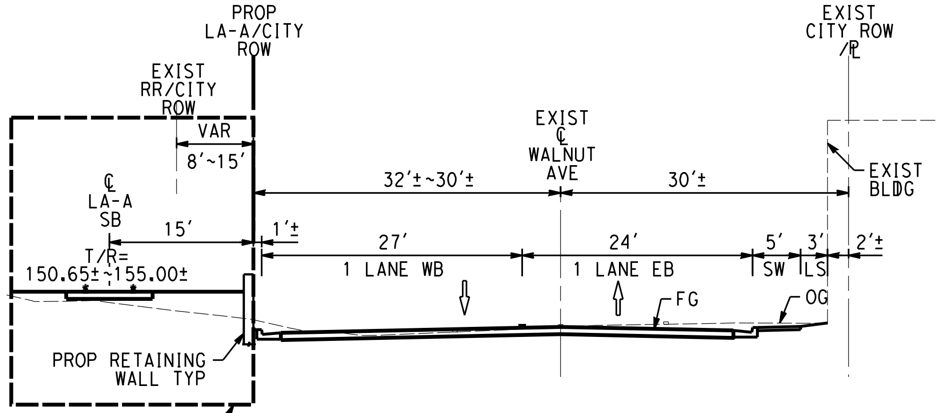
EXIST CONDITION
STA 73+00~80+00 (B/-)
CV-T1326 AS SHOWN



EXIST CONDITION
STA 80+00~83+00 (C/-)
CV-T1326 AS SHOWN

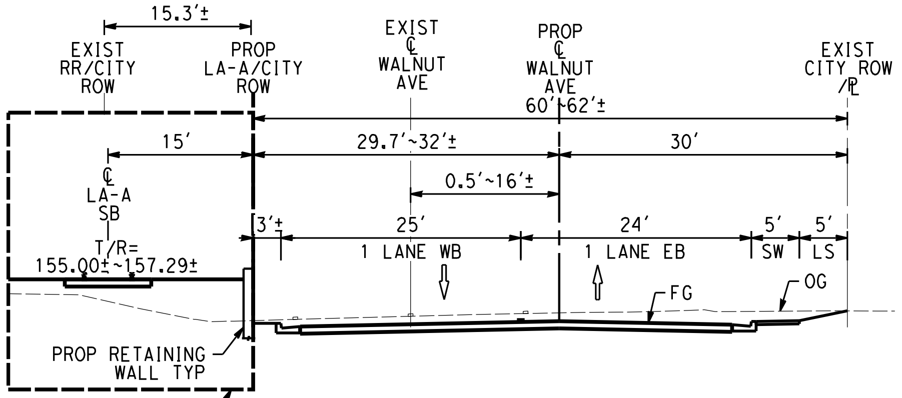
NOTES:

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-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



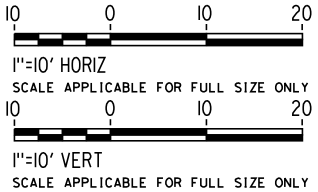
LA-A SECTION
SEE VOLUME 3.1
FOR DETAILS
TYP

PROP CONDITION STA 74+00
TYP STA 73+00~80+00 (B/-)
CV-T1326 AS SHOWN



LA-A SECTION
SEE VOLUME 3.1
FOR DETAILS
TYP

PROP CONDITION STA 82+50
TYP STA 80+00~83+00 (C/-)
CV-T1326 AS SHOWN



SCALE APPLICABLE FOR FULL SIZE ONLY

SCALE APPLICABLE FOR FULL SIZE ONLY

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

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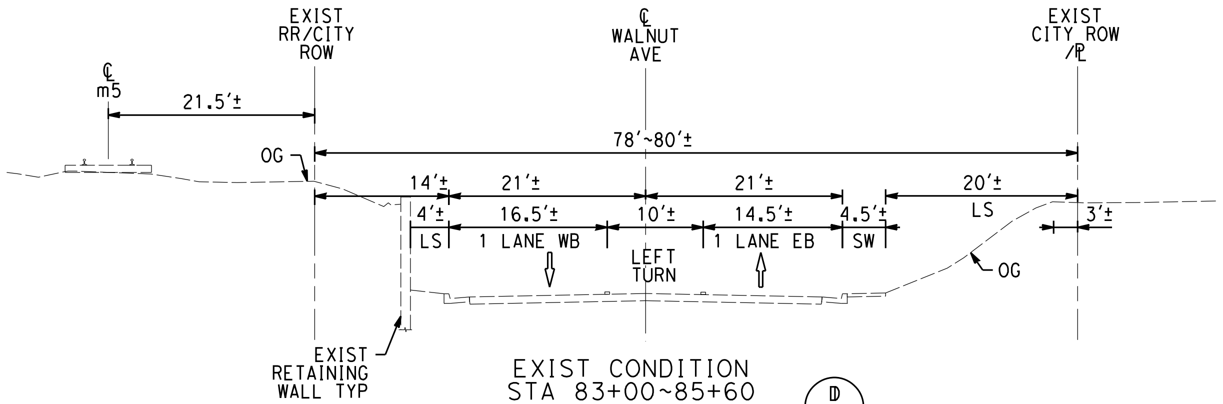
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
CROSS SECTION - SHEET 1 OF 4

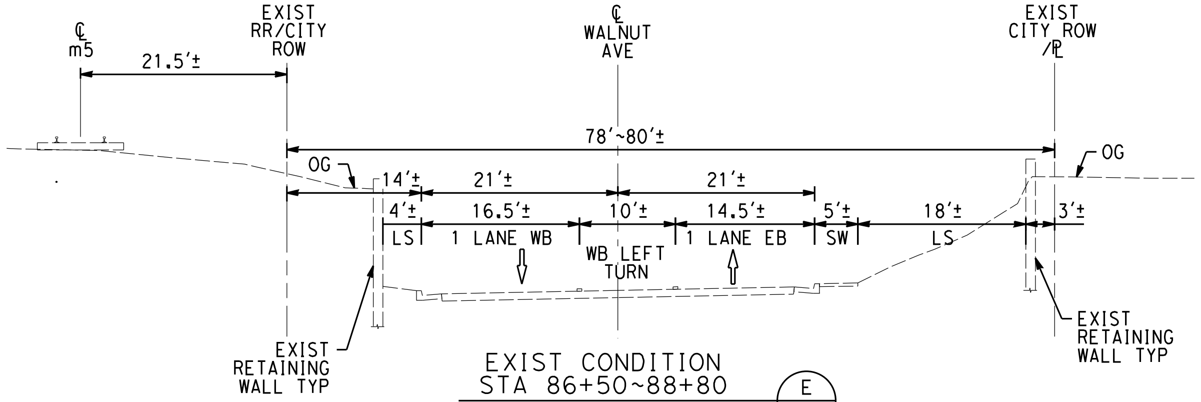
HSR06-0005
CV-T3321
AS SHOWN

NOTES:

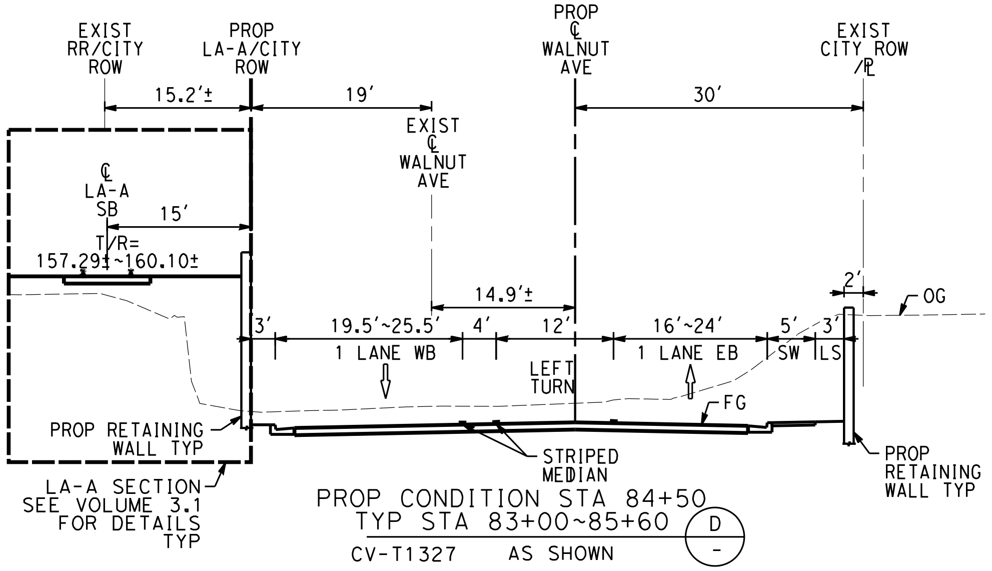
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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



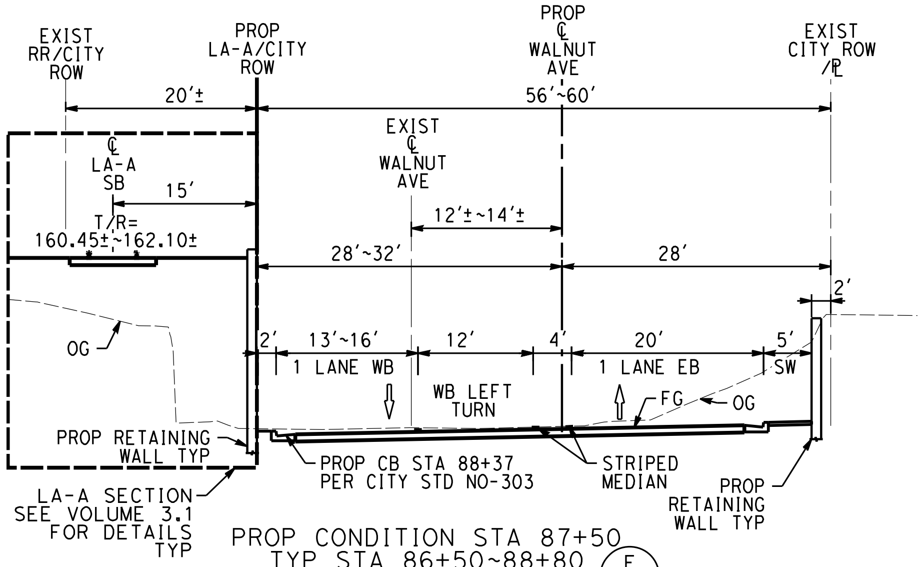
EXIST CONDITION
STA 83+00~85+60 (D/-)
CV-T1327 AS SHOWN



EXIST CONDITION
STA 86+50~88+80 (E/-)
CV-T1327 AS SHOWN



PROP CONDITION STA 84+50
TYP STA 83+00~85+60 (D/-)
CV-T1327 AS SHOWN



PROP CONDITION STA 87+50
TYP STA 86+50~88+80 (E/-)
CV-T1327 AS SHOWN

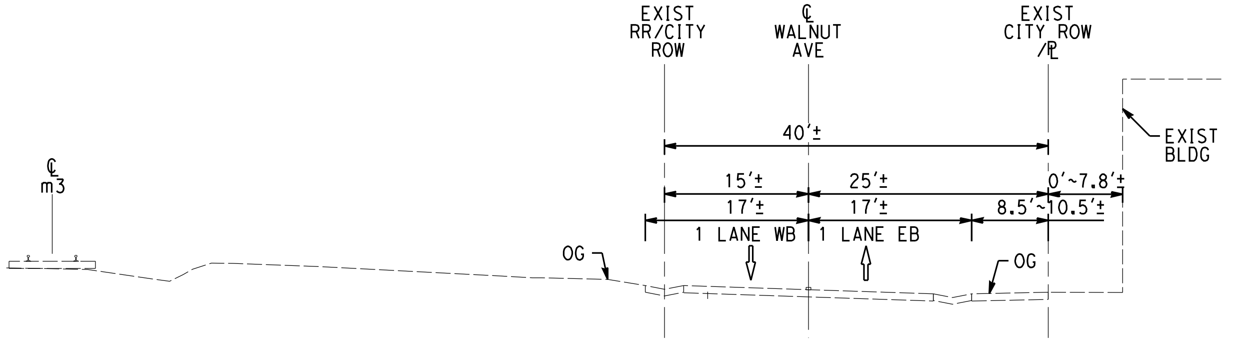
10 0 10 20
1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

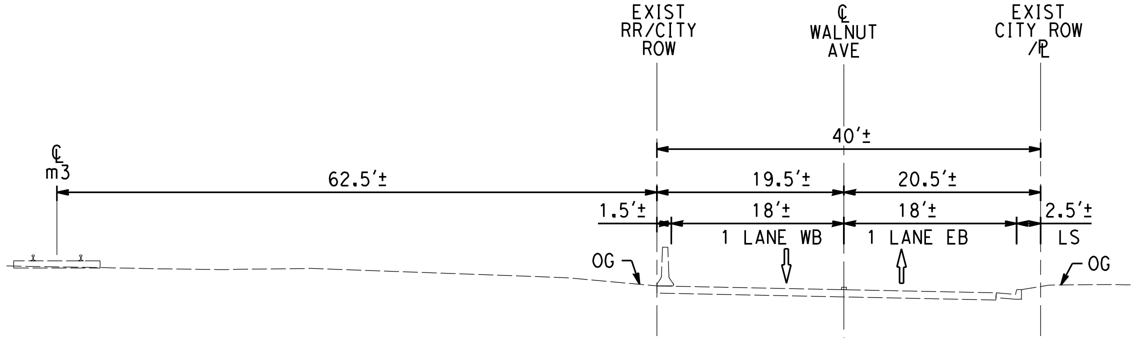
A. CHIANG A. CHIANG A. BOSCH J. SWANSON 02/28/25	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION	stv	CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - W&E WALNUT AVE CROSS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

NOTES:

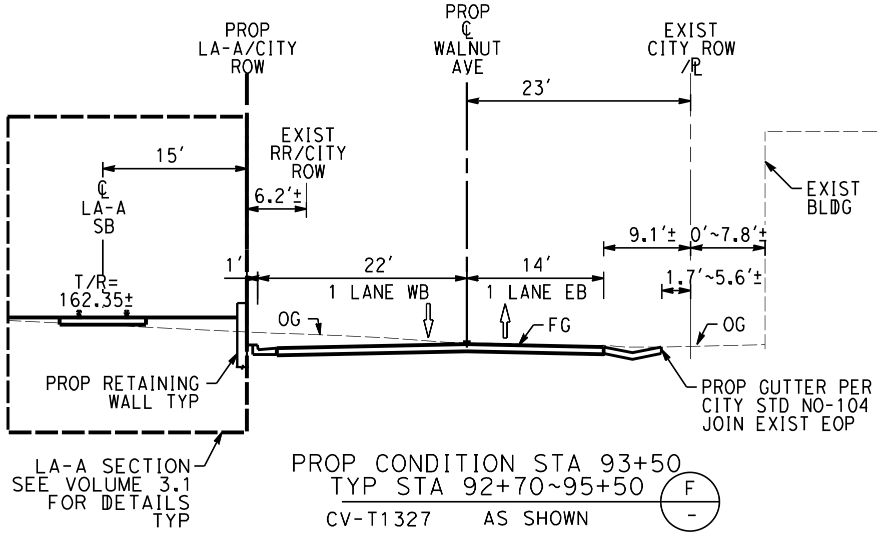
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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



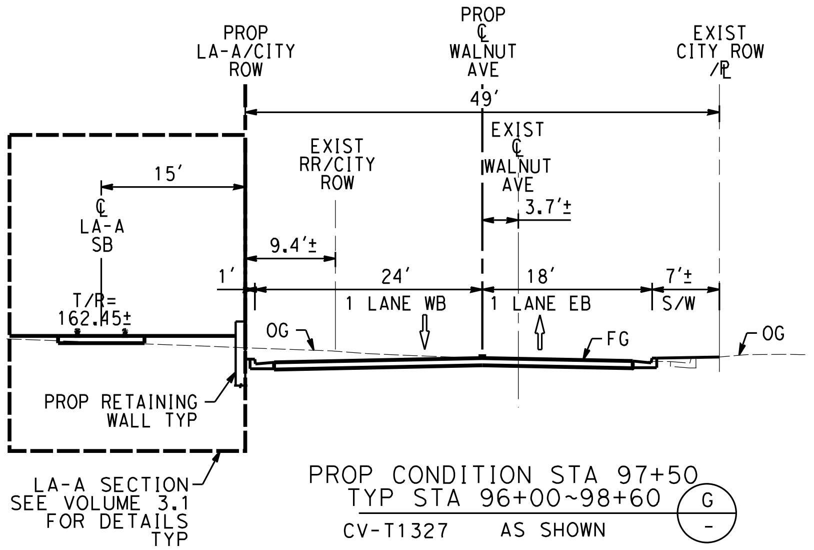
EXIST CONDITION
STA 92+70~95+50
F -
CV-T1327 AS SHOWN



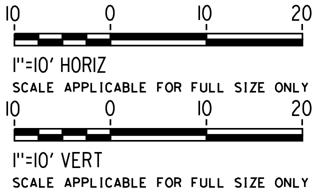
EXIST CONDITION
STA 96+00~98+60
G -
CV-T1327 AS SHOWN



PROP CONDITION STA 93+50
TYP STA 92+70~95+50
F -
CV-T1327 AS SHOWN



PROP CONDITION STA 97+50
TYP STA 96+00~98+60
G -
CV-T1327 AS SHOWN


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
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

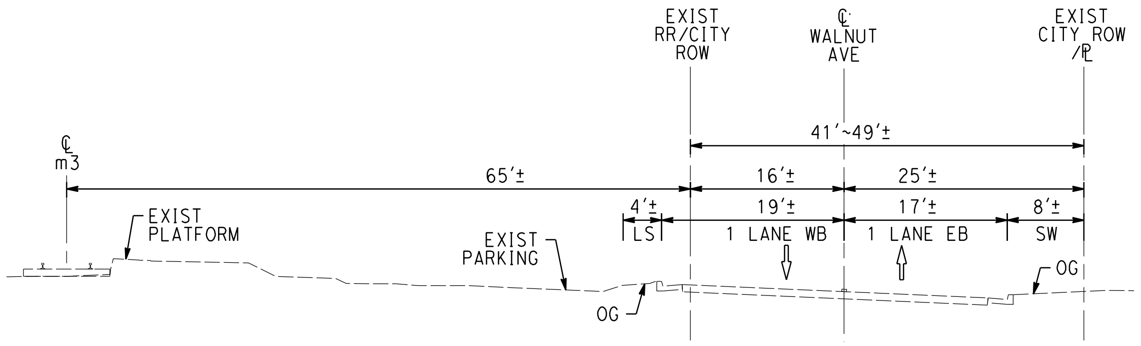
NOT FOR CONSTRUCTION

stv

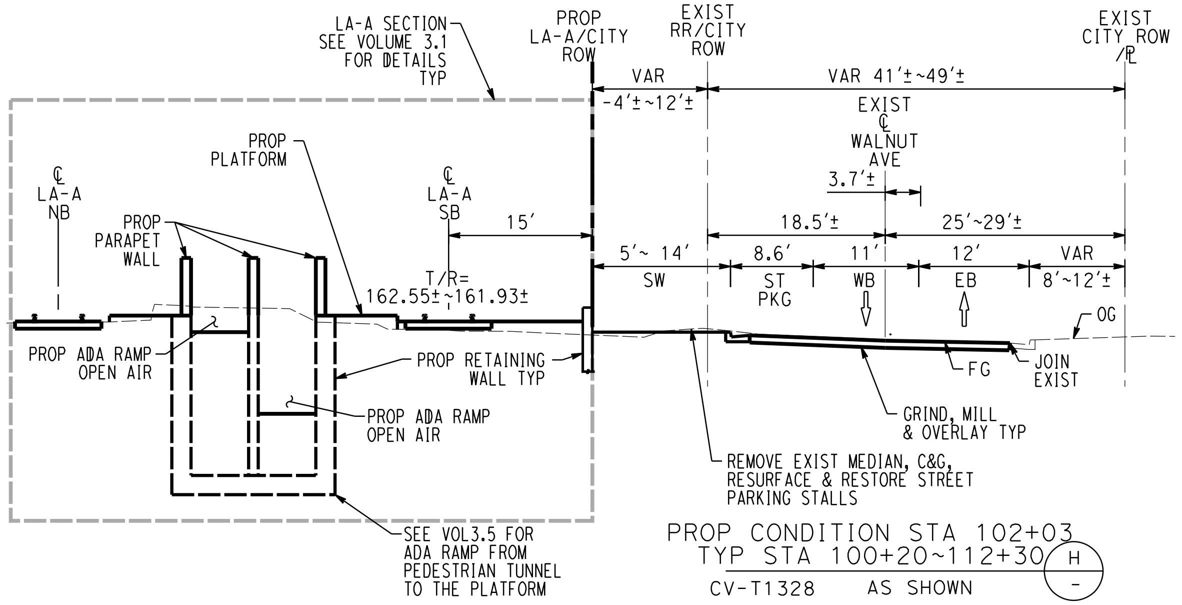
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
CROSS SECTION - SHEET 3 OF 4

HSR06-0005
CV-T3323
AS SHOWN



EXIST CONDITION
STA 100+20~112+30
CV-T1328 AS SHOWN
H
-



PROP CONDITION STA 102+03
TYP STA 100+20~112+30
CV-T1328 AS SHOWN
H
-

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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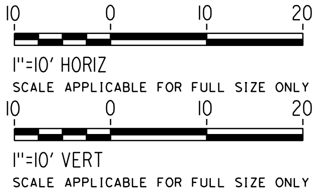
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.


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
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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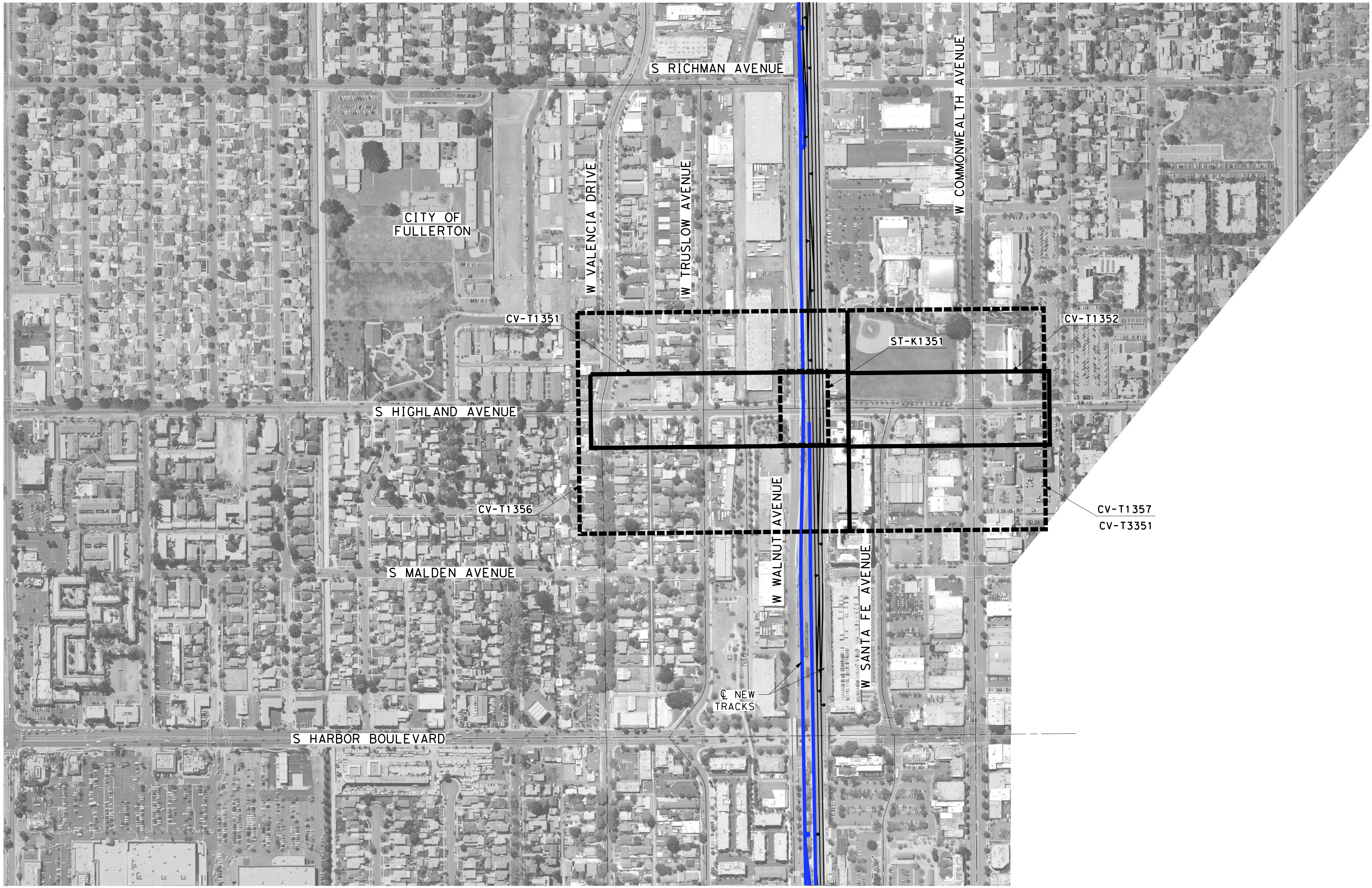
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
CROSS SECTION - SHEET 4 OF 4

HSR06-0005
CV-T3324
AS SHOWN



NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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7. FOR NON-PREFFERRED 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
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

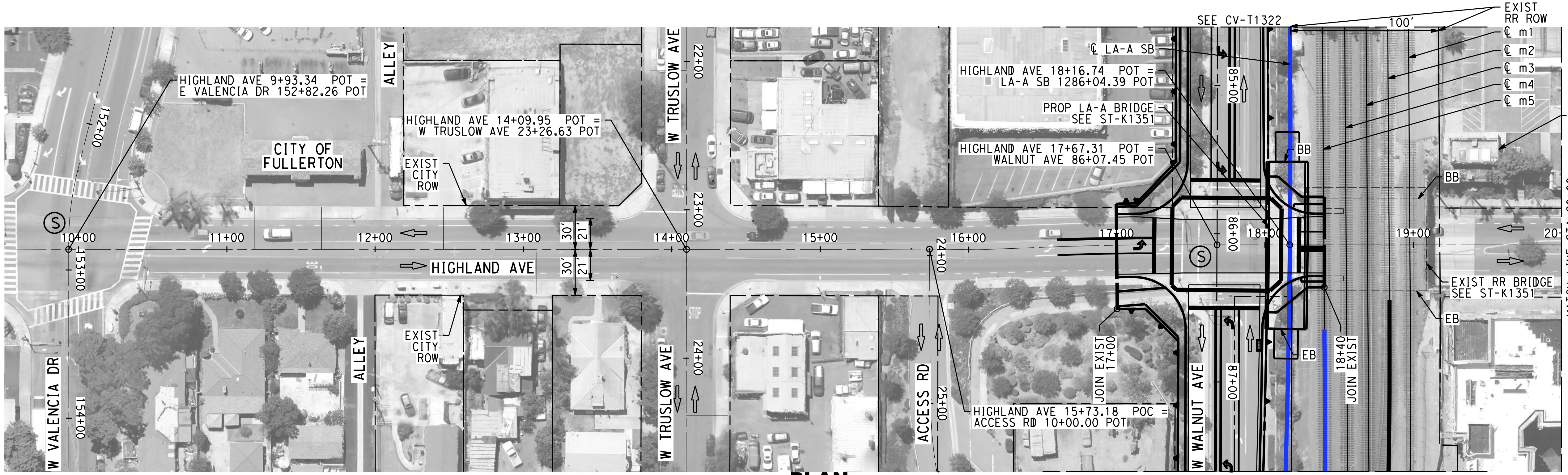
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0351
SCALE
1" = 200'
SHEET NO.

$PLOT$


SEE CV-T1322
EXIST RR ROW
100'
℄ m1
℄ m2
℄ m3
℄ m4
℄ m5
EXIST PUMP STATION
℄ LA-A SB
HIGHLAND AVE 18+16.74 POT = LA-A SB 1286+04.39 POT
PROP LA-A BRIDGE SEE ST-K1351
HIGHLAND AVE 17+67.31 POT = WALNUT AVE 86+07.45 POT
HIGHLAND AVE 9+93.34 POT = E VALENCIA DR 152+82.26 POT
HIGHLAND AVE 14+09.95 POT = W TRUSLOW AVE 23+26.63 POT
HIGHLAND AVE 15+73.18 POC = ACCESS RD 10+00.00 POT
CITY OF FULLERTON
EXIST CITY ROW
ALLEY
W TRUSLOW AVE
W VALENCIA DR
HIGHLAND AVE
ACCESS RD
W WALNUT AVE
152+00
153+00
154+00
22+00
23+00
24+00
25+00
85+00
86+00
87+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+
30'
21'
BB
EB
JOIN EXIST 17+00
18+40 JOIN EXIST
EXIST RR BRIDGE SEE ST-K1351
MATCH LINE STA 20+00 SEE CV-T1352
S

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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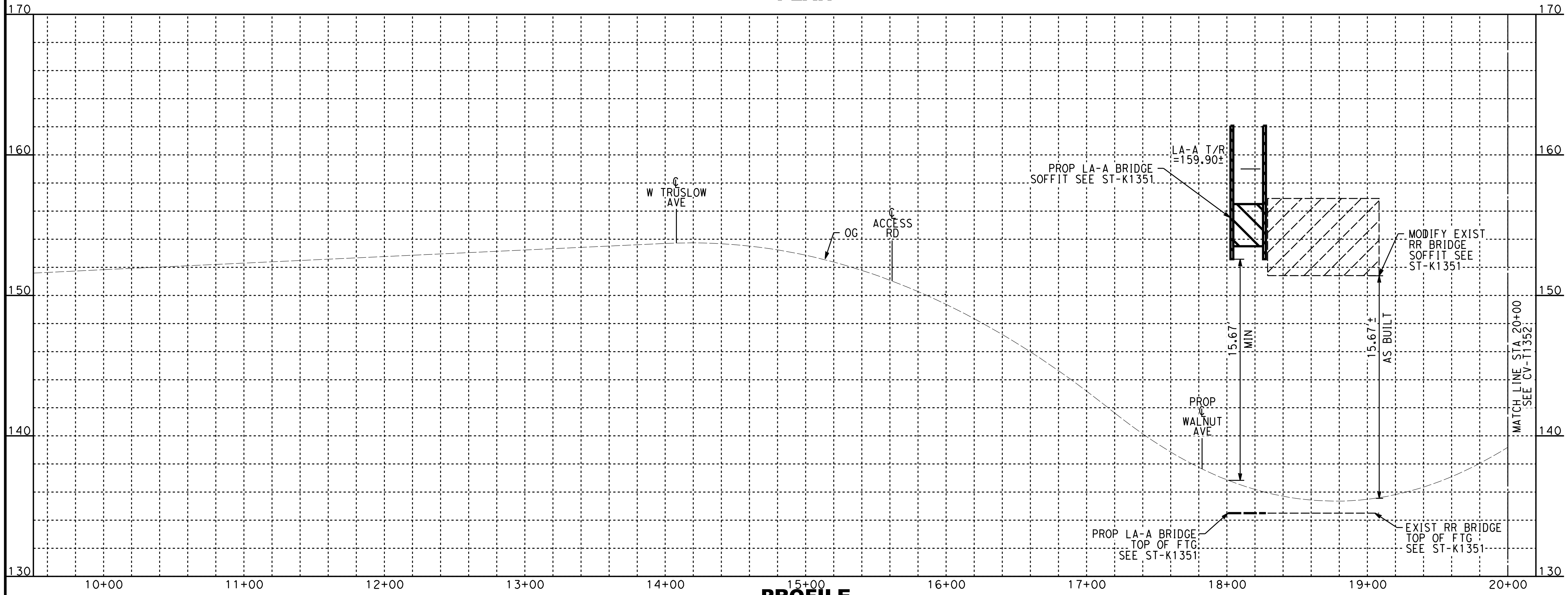
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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


170
160
150
140
130
℄ W TRUSLOW AVE
OG
℄ ACCESS RD
LA-A T/R =159.90±
PROP LA-A BRIDGE SOFFIT SEE ST-K1351
MODIFY EXIST RR BRIDGE SOFFIT SEE ST-K1351
15.67' MIN
15.67'± AS BUILT
PROP ℄ WALNUT AVE
PROP LA-A BRIDGE TOP OF FTG SEE ST-K1351
EXIST RR BRIDGE TOP OF FTG SEE ST-K1351
MATCH LINE STA 20+00 SEE CV-T1352
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00

PROFILE

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

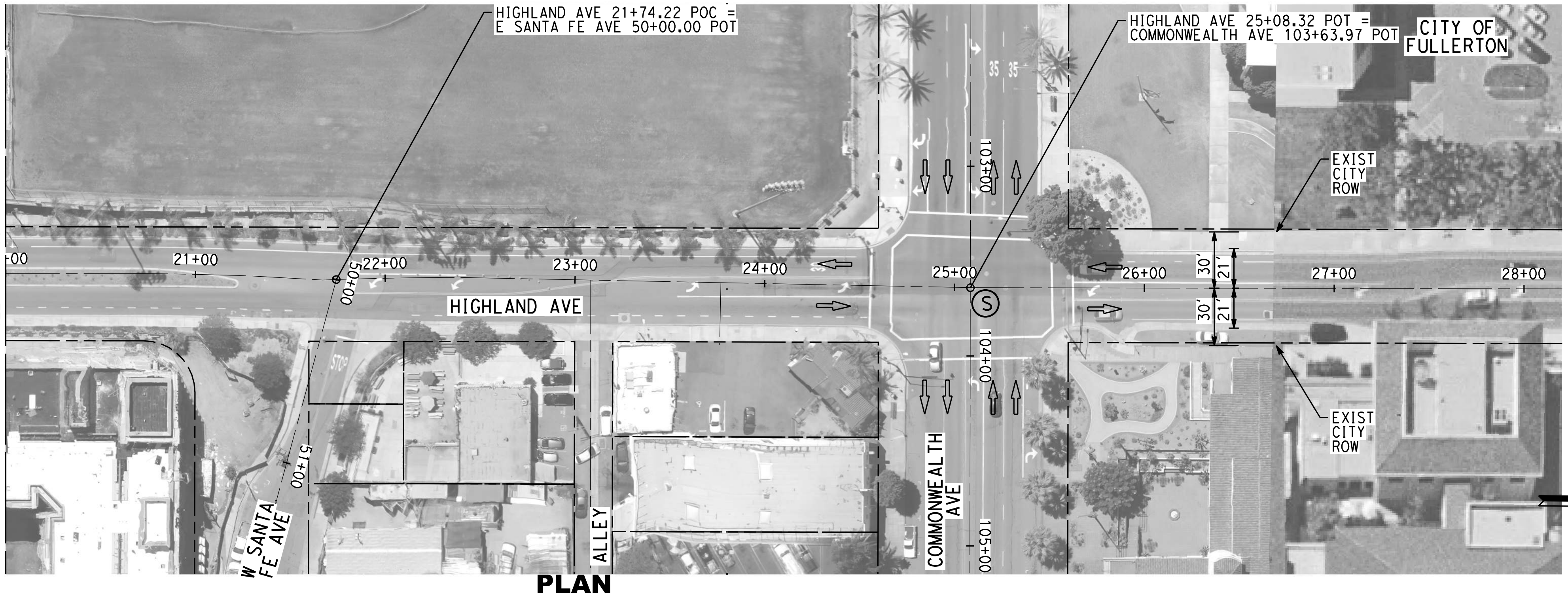
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - HIGHLAND AVE
PLAN AND PROFILE - SHEET 1 OF 2

HSR06-0005
CV-T1351
AS SHOWN



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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7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

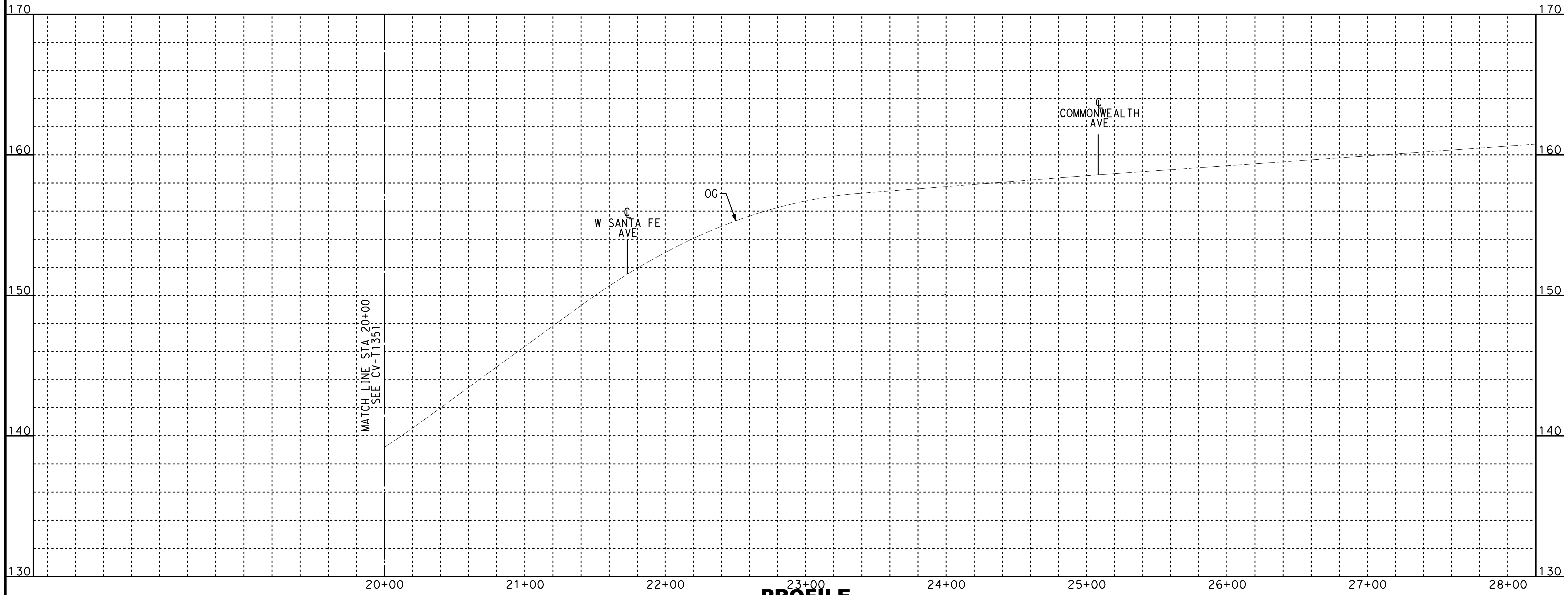
NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

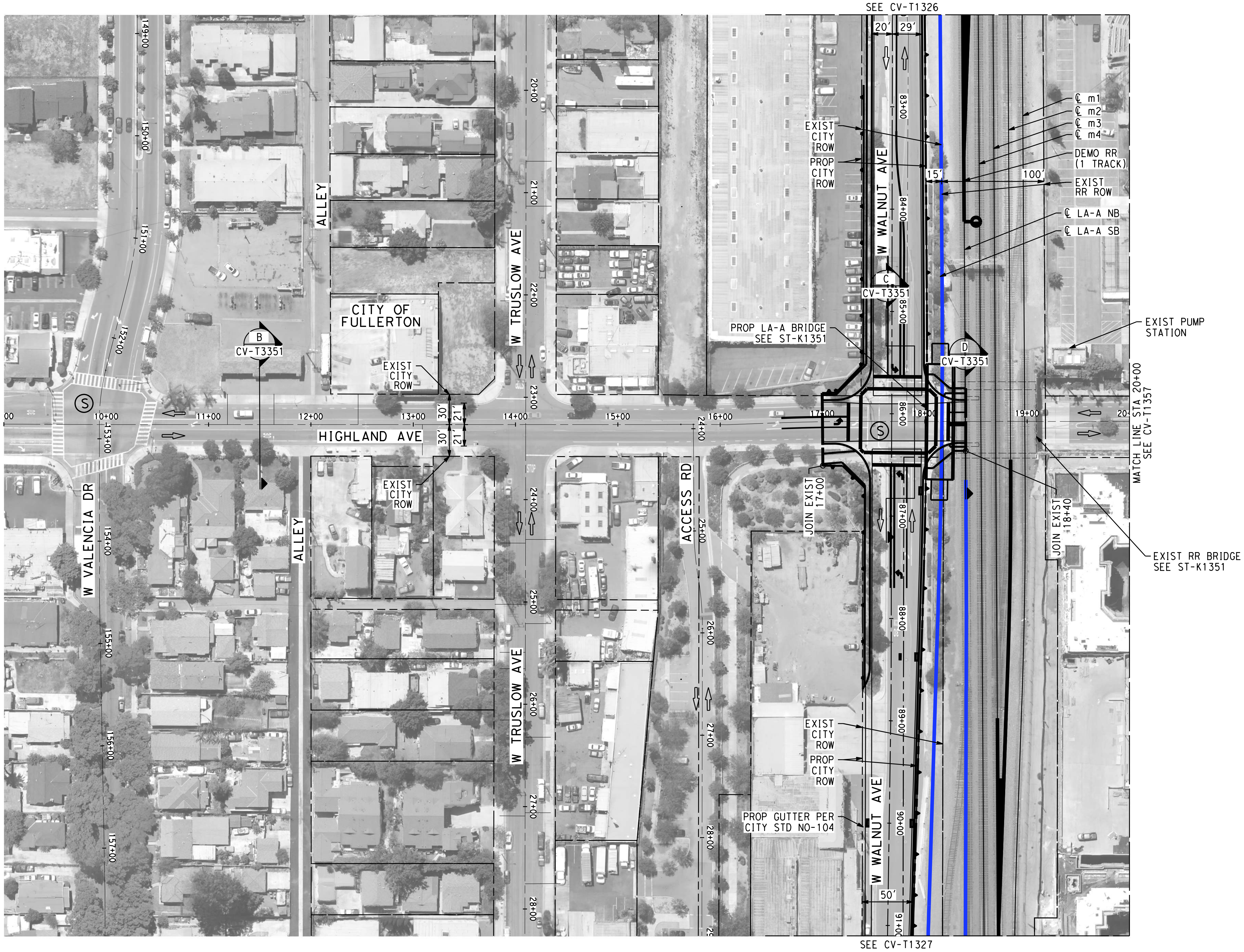
A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION
A. CHIANG	
A. BOSCH	
J. SWANSON	
02/28/25	

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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



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-PREFFERRED 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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

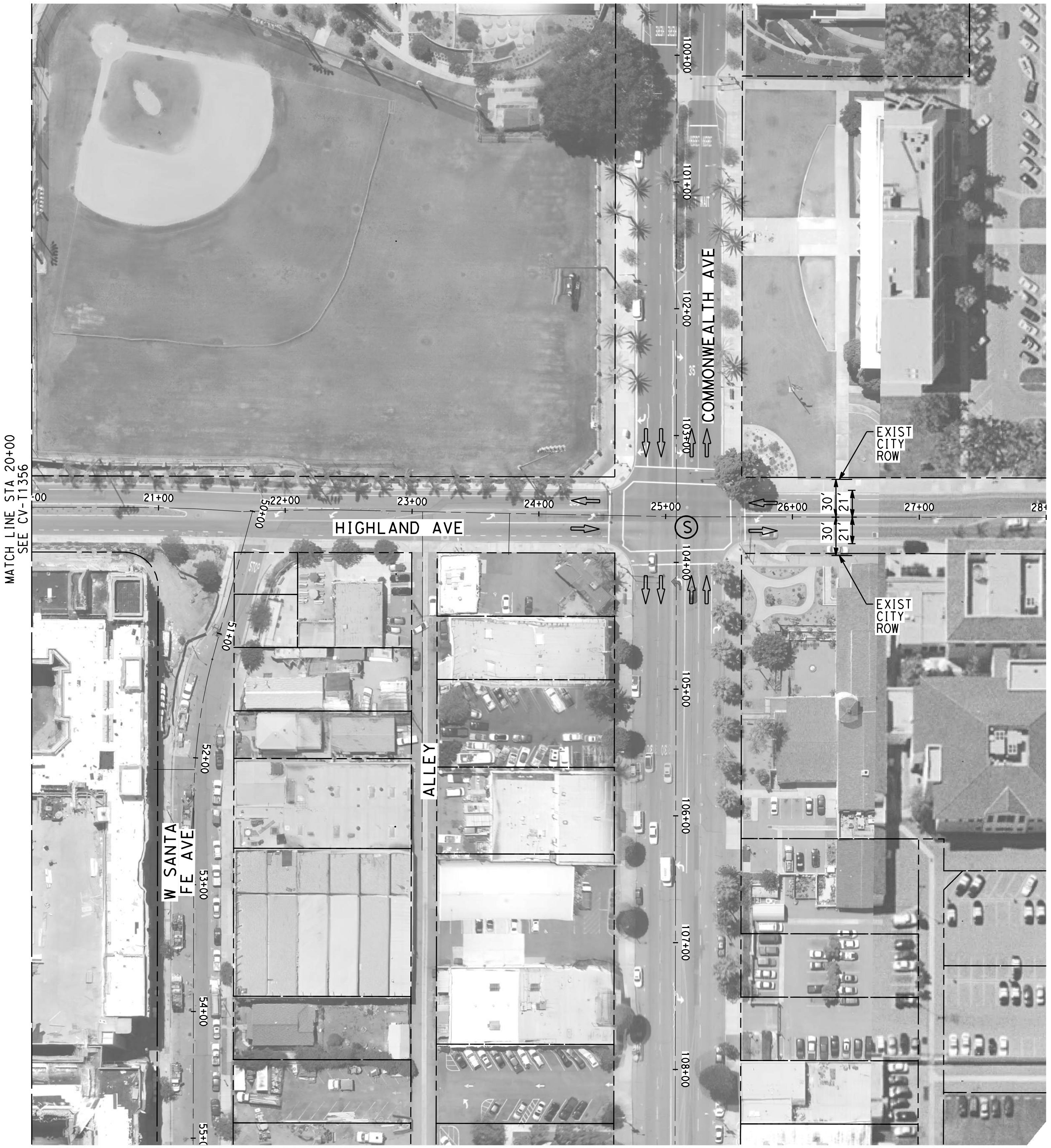
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T1356
AS SHOWN



NOTES:

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2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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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-PREFFERRED 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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

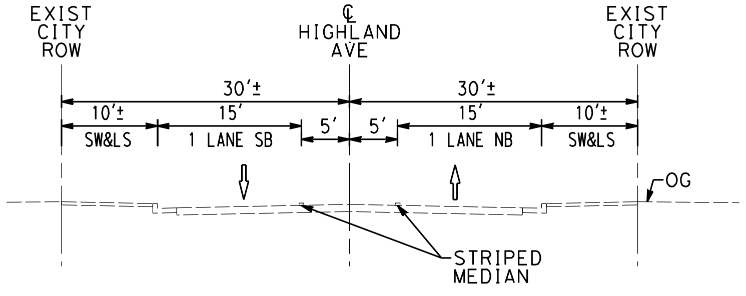
NOT FOR CONSTRUCTION

stv

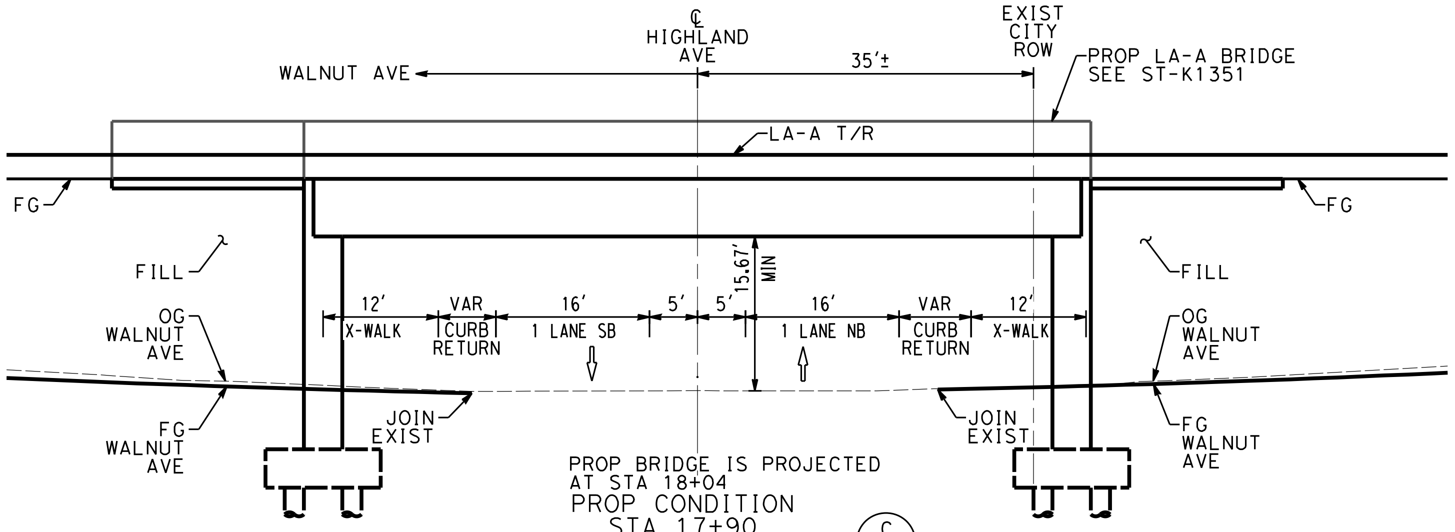
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

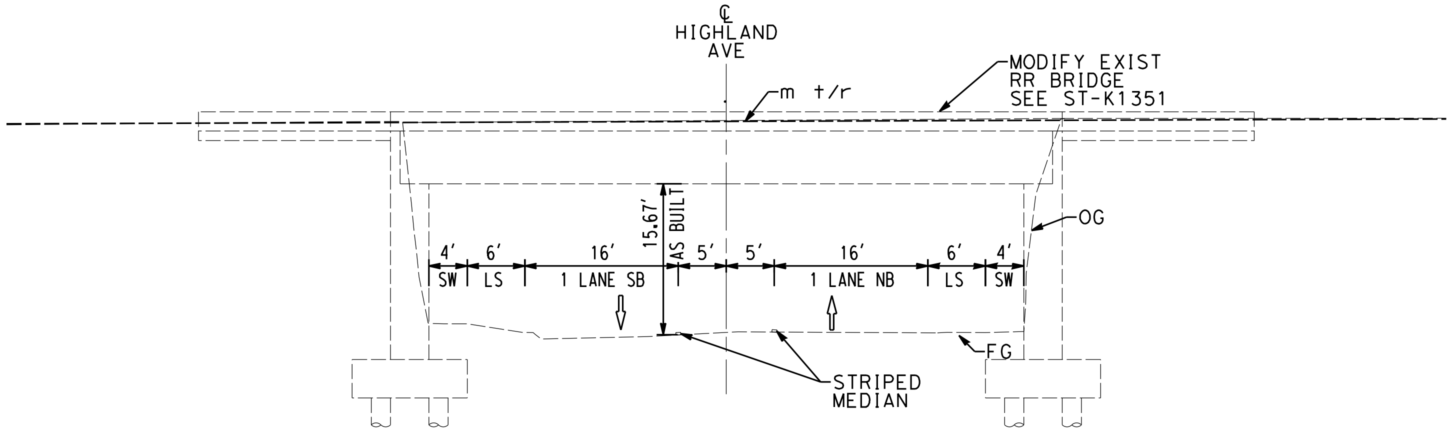
HSR06-0005
CV-T1357
AS SHOWN



EXIST CONDITION
STA 11+50
CV-T1356 AS SHOWN
B
-



PROP BRIDGE IS PROJECTED AT STA 18+04
PROP CONDITION
STA 17+90
CV-T1356 AS SHOWN
C
-



EXIST CONDITION
STA 18+40
CV-T1356 AS SHOWN
D
-

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-PREFFERRED 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
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

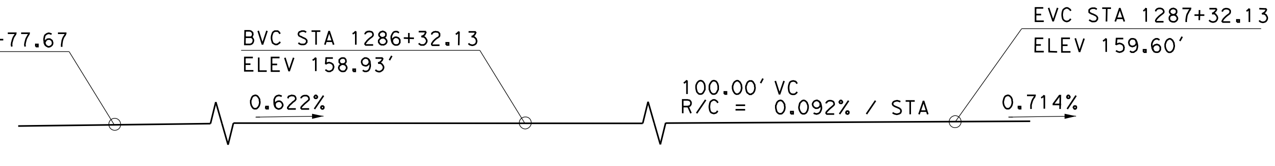
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

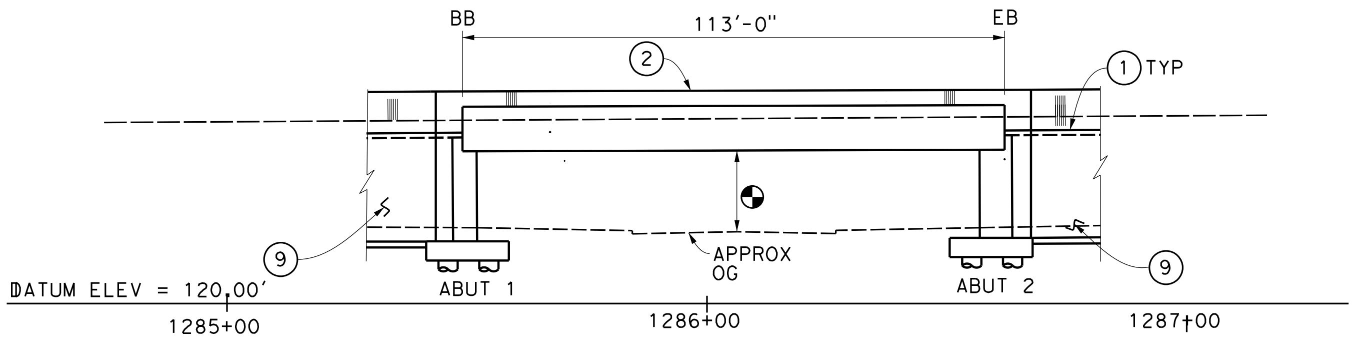
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - HIGHLAND AVE
CROSS SECTION - SHEET 1 OF 1

HSR06-0005
CV-T3351
AS SHOWN



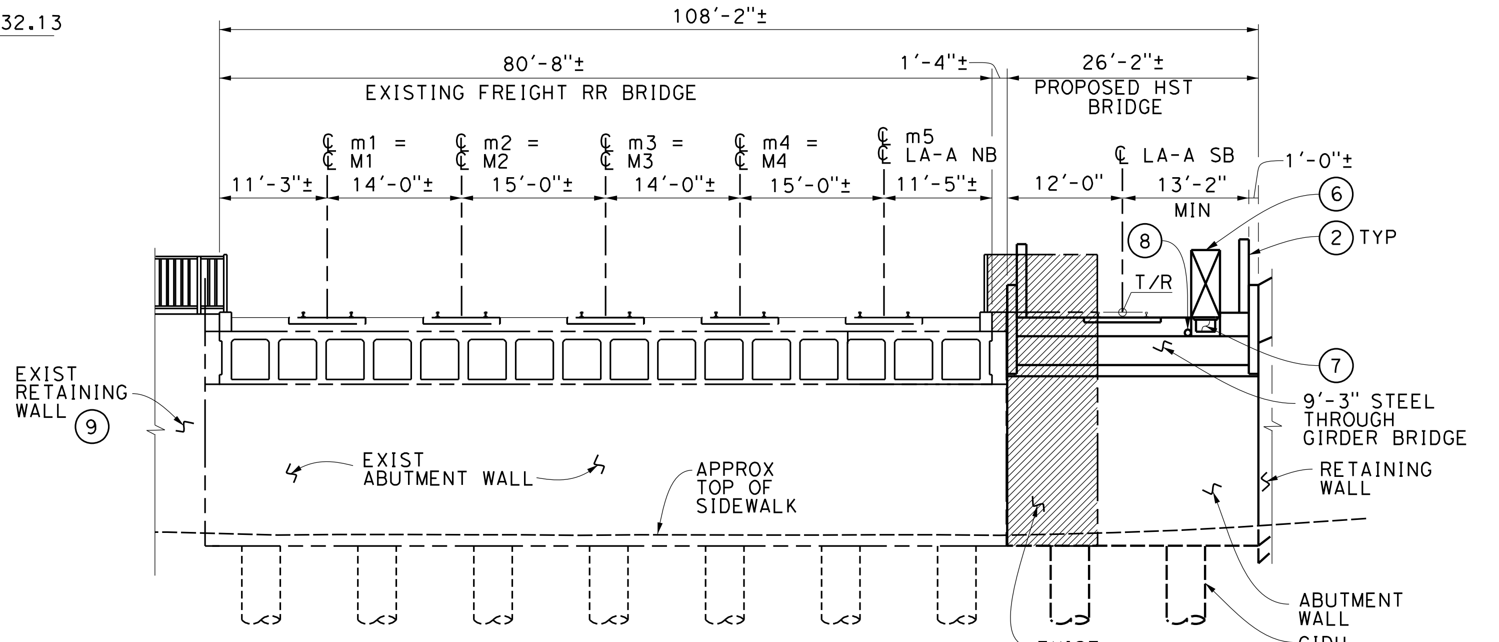
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



ELEVATION

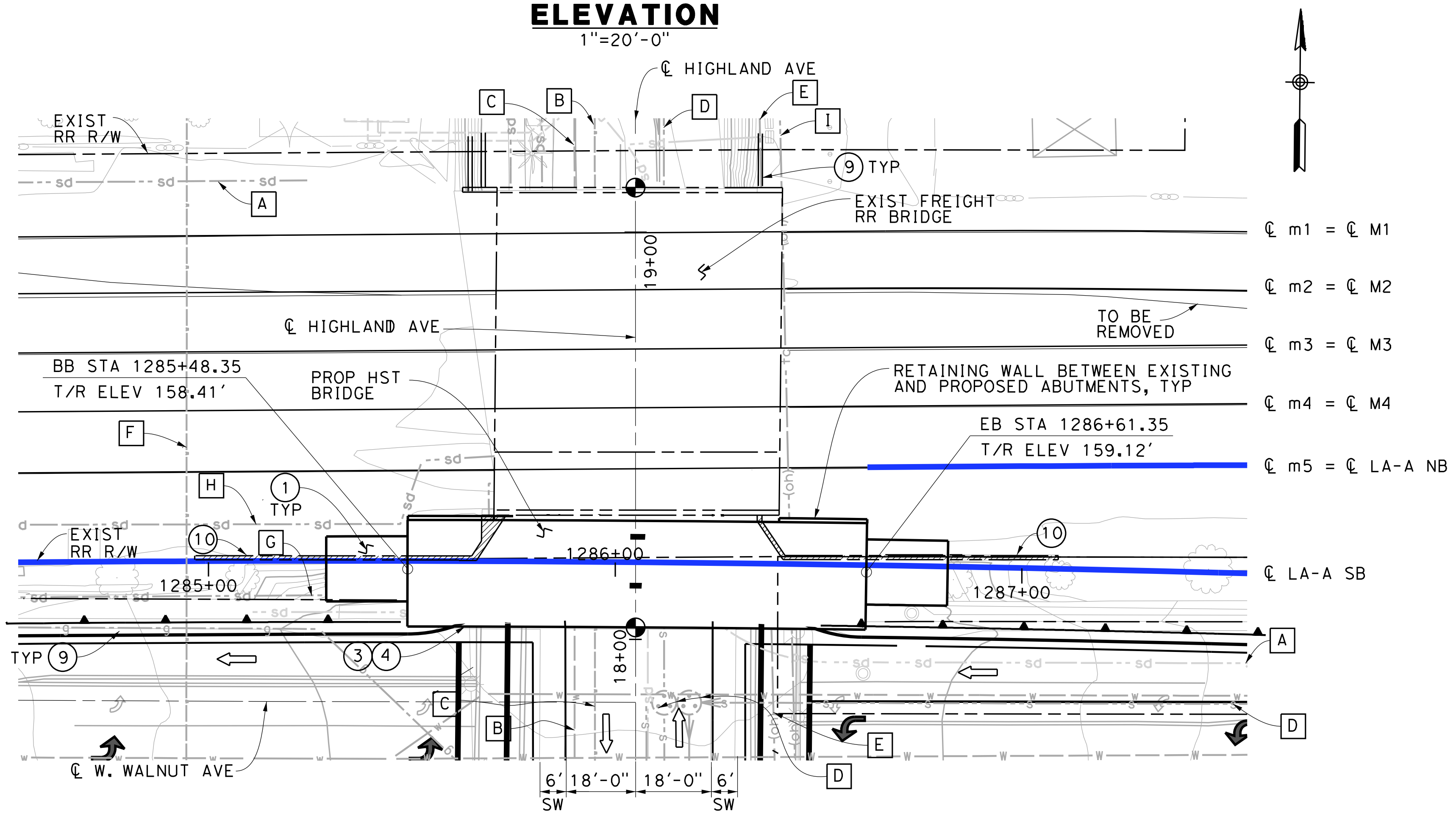
1"=20'-0"



TYPICAL SECTION

1"=10'-0"

ABUTMENT 2 SHOWN, ABUTMENT 1 SIMILAR



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):

ADT$_{2009}$: 9,800
ADT$_{35}$: 14,500
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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

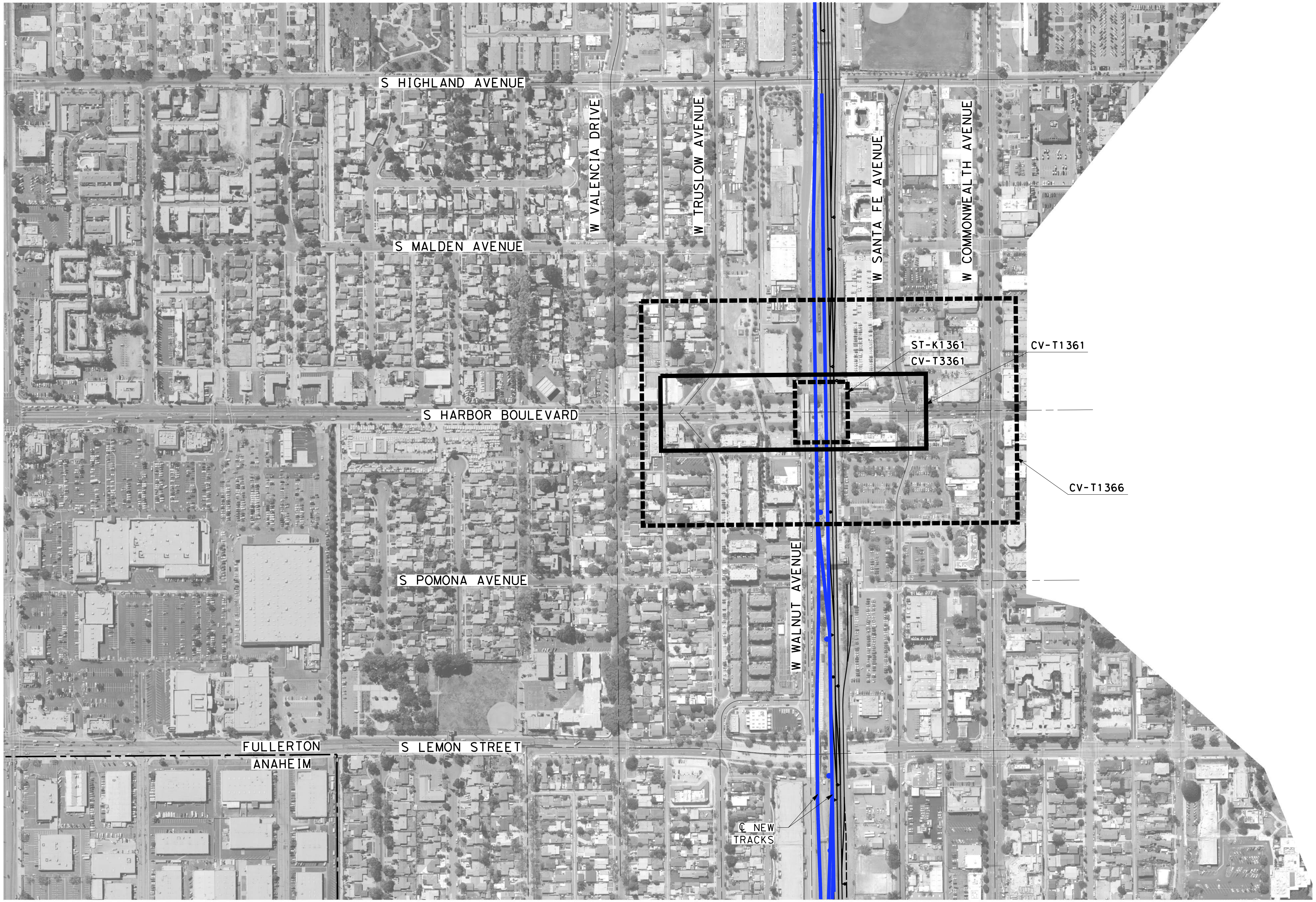
NOT FOR CONSTRUCTION

stv

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:

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7. FOR NON-PREFFERRED 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 08/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

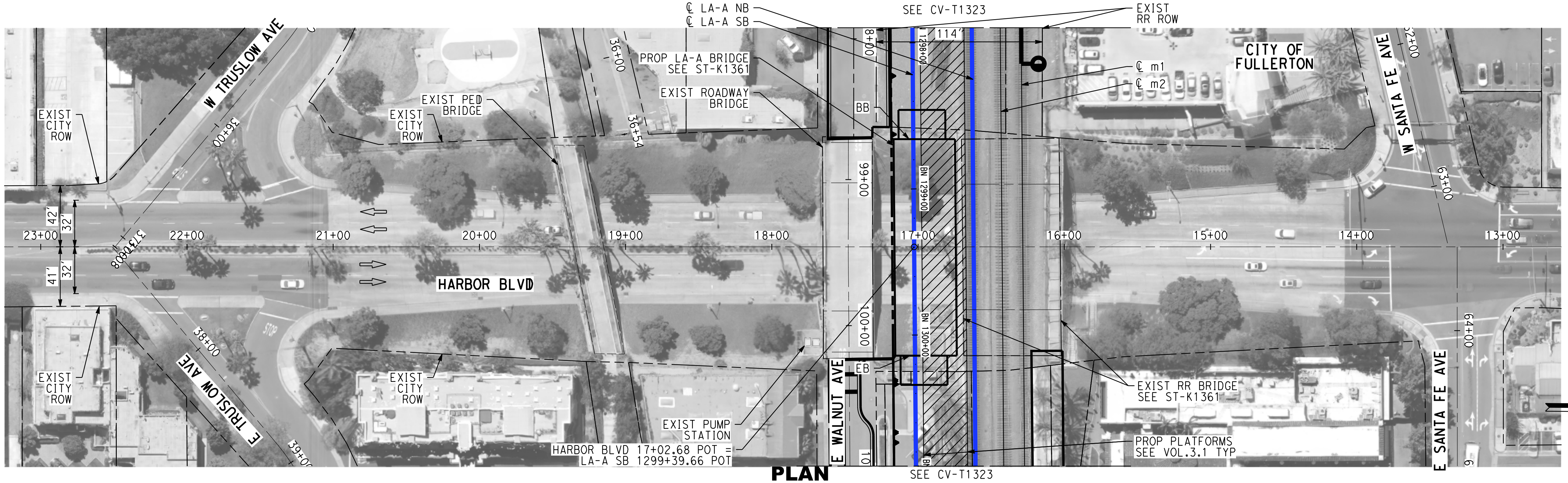
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

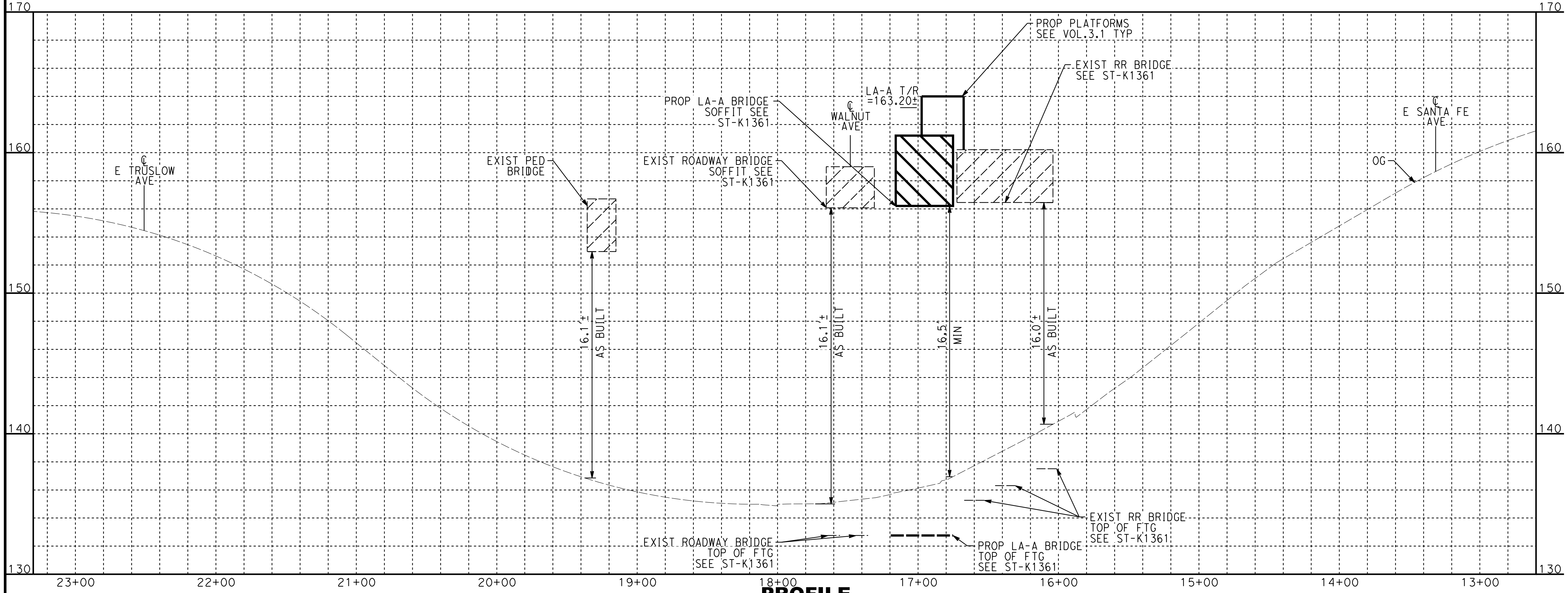
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - HARBOR BLVD
ORIENTATION MAP

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

$PLOT$



PLAN


170
160
150
140
130
PROP PLATFORMS SEE VOL.3.1 TYP
EXIST RR BRIDGE SEE ST-K1361
LA-A T/R =163.20±
PROP LA-A BRIDGE SOFFIT SEE ST-K1361
℄ WALNUT AVE
℄ E SANTA FE AVE
℄ E TRUSLOW AVE
EXIST PED BRIDGE
EXIST ROADWAY BRIDGE SOFFIT SEE ST-K1361
OG
16.1'± AS BUILT
16.1'± AS BUILT
16.5' MIN
16.0'± AS BUILT
EXIST RR BRIDGE TOP OF FTG SEE ST-K1361
EXIST ROADWAY BRIDGE TOP OF FTG SEE ST-K1361
PROP LA-A BRIDGE TOP OF FTG SEE ST-K1361
23+00
22+00
21+00
20+00
19+00
18+00
17+00
16+00
15+00
14+00
13+00

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-PREFFERRED 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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
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 - HARBOR BLVD
PLAN AND PROFILE - SHEET 1 OF 1

HSR06-0005
CV-T1361
AS SHOWN

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.
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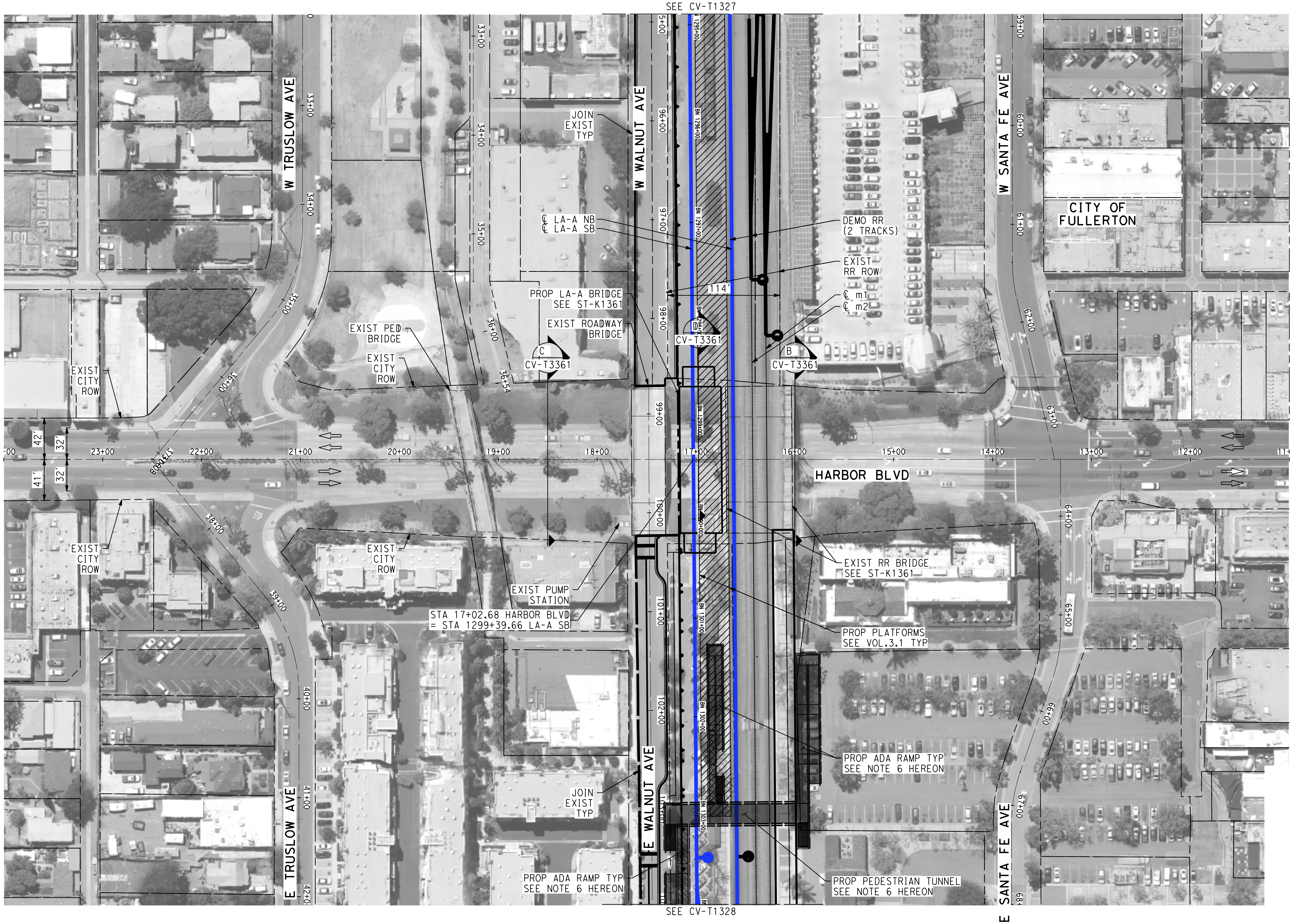
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

A. CHIANG	
A. CHIANG	
A. BOSCH	
J. SWANSON	
02/28/25	

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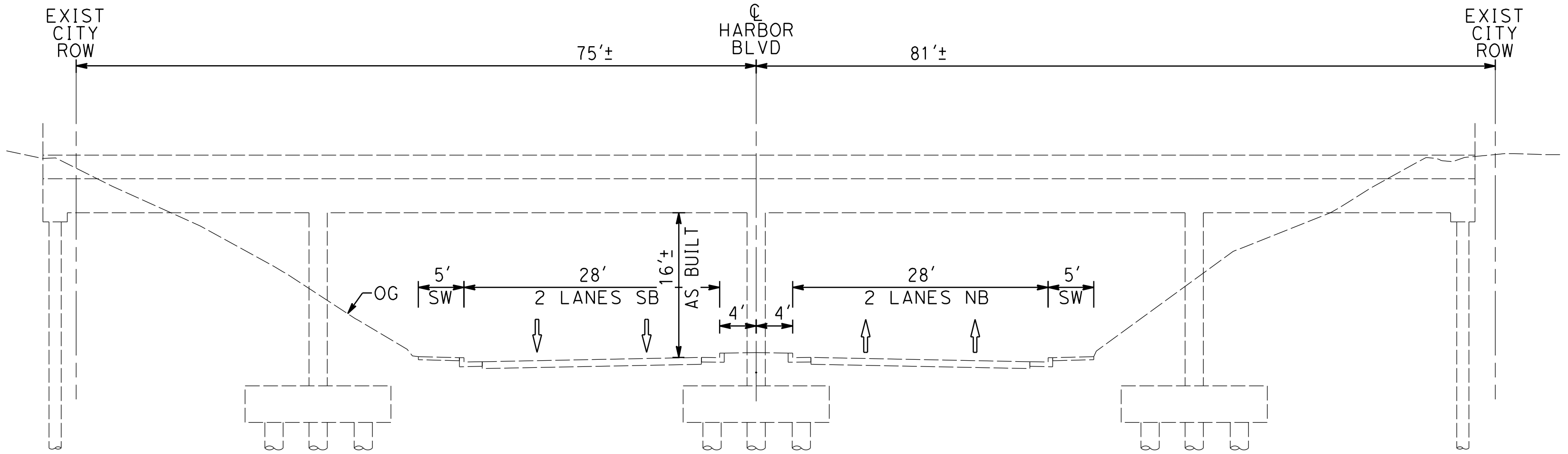
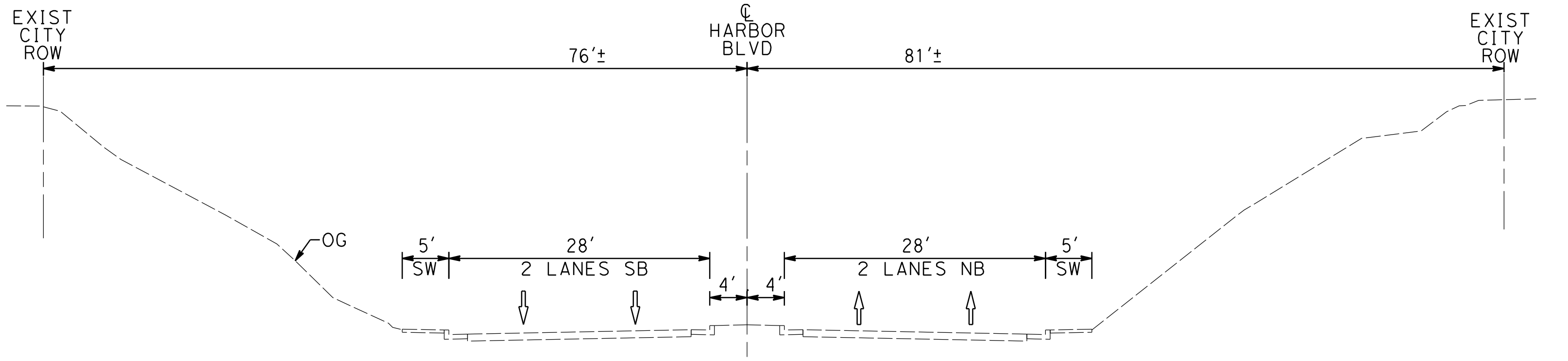
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

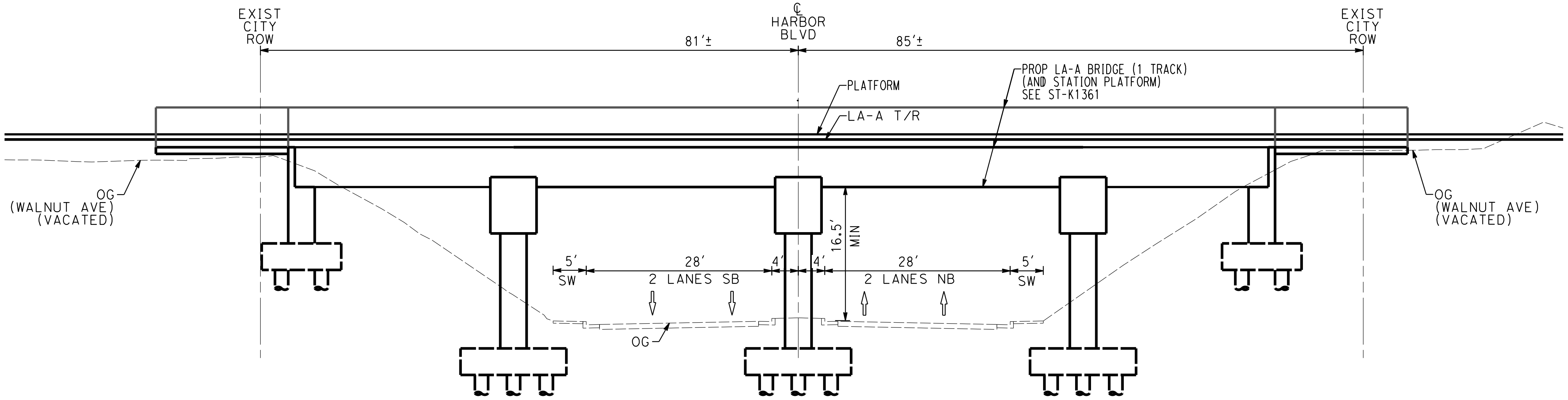
HSR06-0005
CV-T1366
AS SHOWN



PROP CONDITION
STA 16+00
CV-T1366 AS SHOWN
B
-



EXIST CONDITION
STA 18+50
CV-T1366 AS SHOWN
C
-



PROP CONDITION
STA 17+00
CV-T1366 AS SHOWN
D
-

NOTES:

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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-PREFFERRED 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
A. CHIANG
A. BOSCH
J. SWANSON
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

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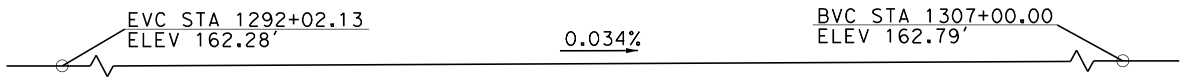
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

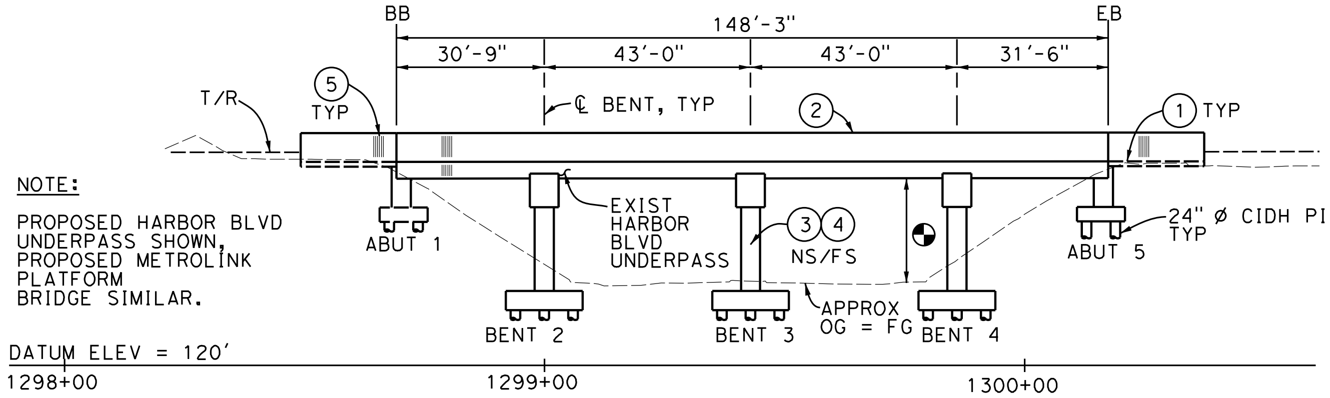
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - HARBOR BLVD
CROSS SECTION - SHEET 1 OF 1

HSR06-0005
CV-T3361
AS SHOWN



TOP OF RAIL PROFILE (LA-A SB)

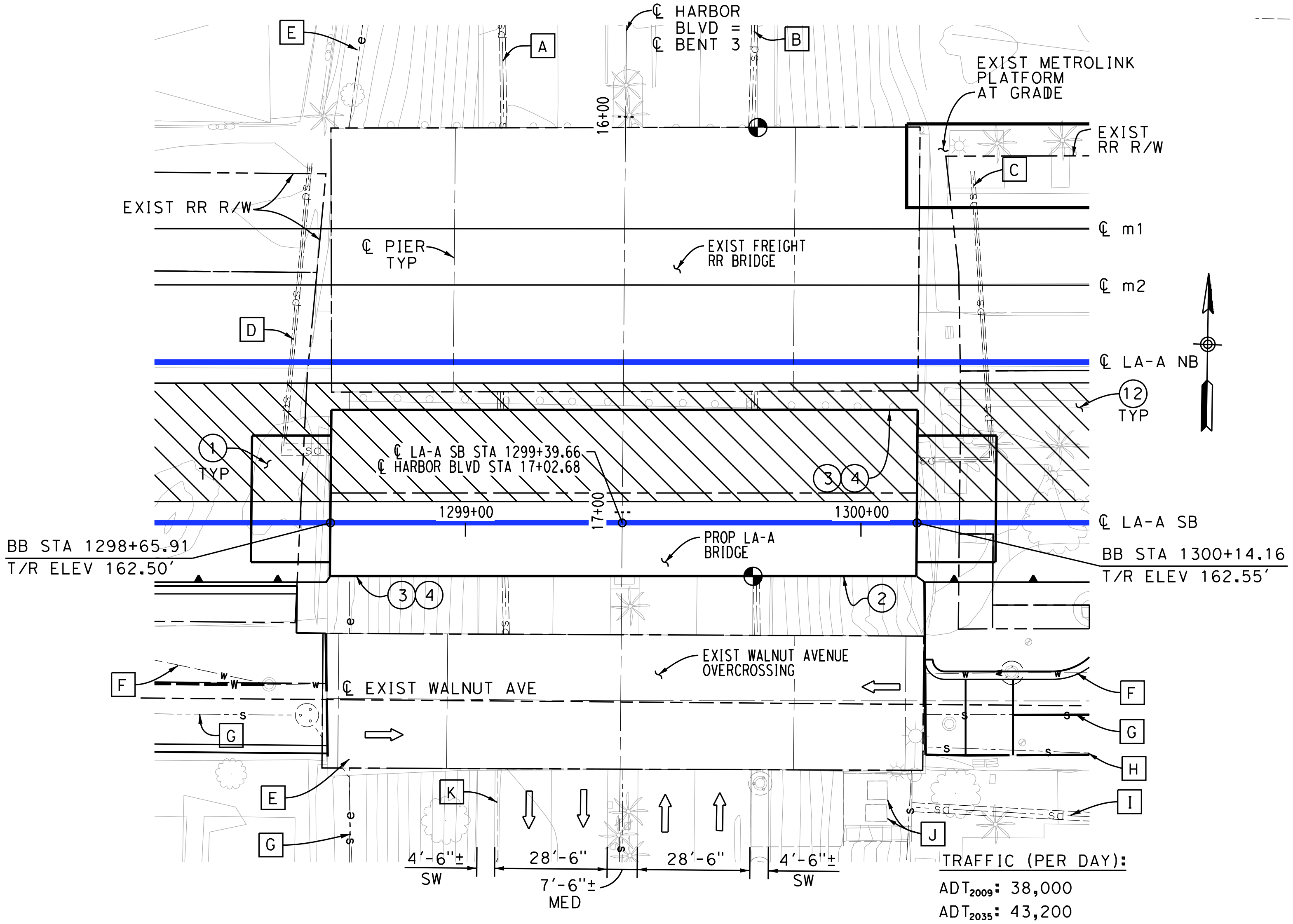
NO SCALE



NOTE:
PROPOSED HARBOR BLVD UNDERPASS SHOWN, PROPOSED METROLINK PLATFORM BRIDGE SIMILAR.

ELEVATION

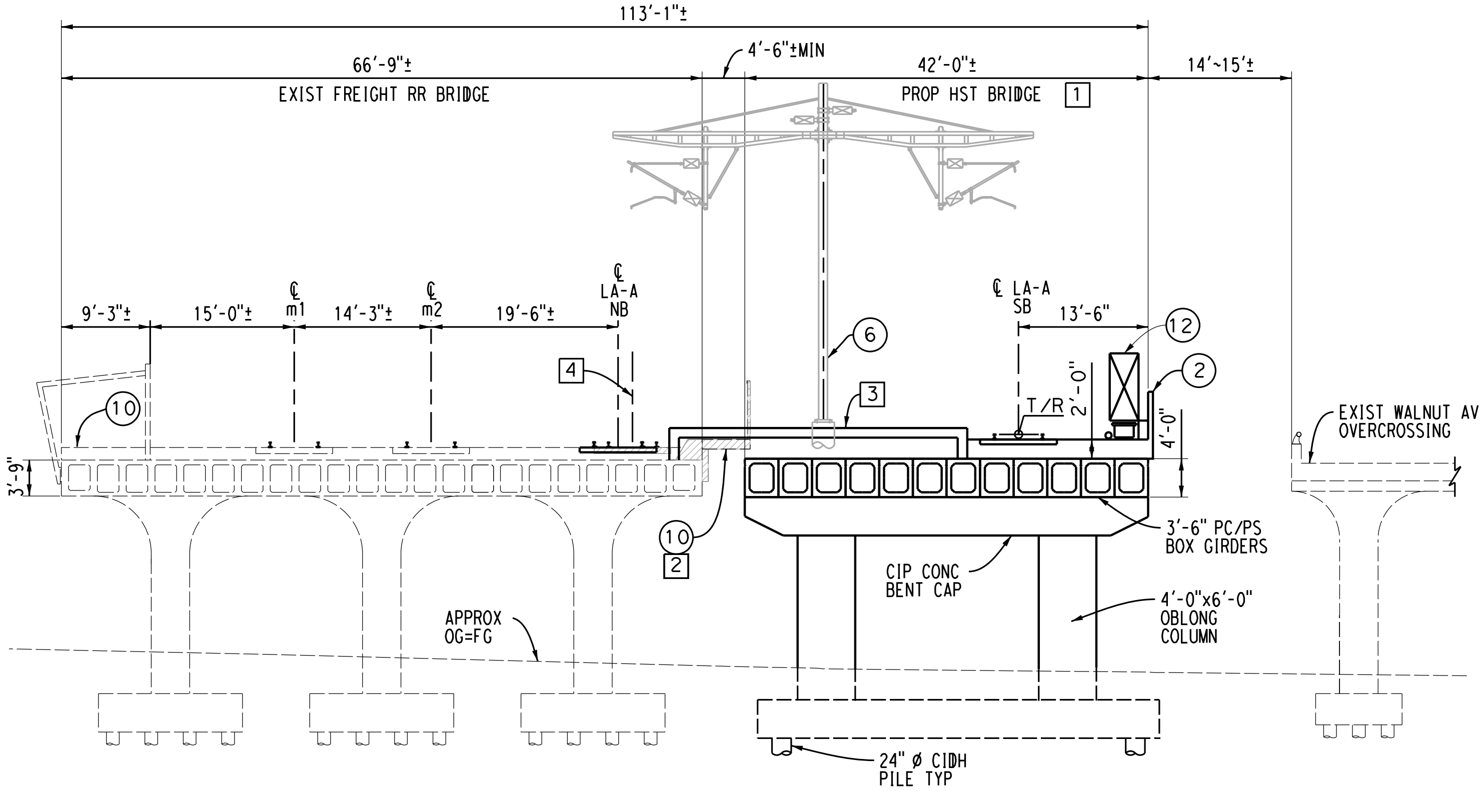
1"=20'-0"



PLAN

1"=20'-0"

TRAFFIC (PER DAY):
ADT_{2009}: 38,000
ADT_{2035}: 43,200
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK



TYPICAL SECTION

1"=10'-0"

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

GENERAL NOTE:
HST BRIDGE HAS AN OUTWARD 2% SLOPE FROM ℄ BRIDGE.

LEGEND:

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

NOTES:

① STRUCTURE APPROACH SLAB
② PARAPET
③ PAINT "BR. NO. XX-XXX"
④ PAINT "HARBOR BLVD UNDERPASS"
⑤ ARCHITECTURAL TREATMENT (TBD)
⑥ OCS POLE
⑦ PARAPET WALL
⑧ NEW UTILITY DUCT
⑨ METROLINK PLATFORM
⑩ EXIST PEDESTRIAN WALKWAY
⑪ DRAINAGE PIPE
⑫ WALKWAY (3'-0" WIDE)

CONSTRUCTION STAGING NOTES:

1 CONSTRUCT NEW HST BRIDGE.
2 REMOVE EXIST PEDESTRIAN WALKWAY.
3 CONSTRUCT METROLINK PLATFORM.
4 REMOVE EXIST RAIL.

EXISTING UTILITIES:

A	EXIST 18" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
B	EXIST 8" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
C	EXIST 12" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
D	EXIST 36" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
E	EXIST 36" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
F	EXIST 8" WATER, CITY OF FULLERTON (PROTECT IN PLACE)
G	EXIST 8" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
H	EXIST 8" VCP SEWER, CITY OF FULLERTON (PROTECT IN PLACE)
I	EXIST 27" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
J	EXIST PUMP STATION, CITY OF FULLERTON (PROTECT IN PLACE)
K	EXIST SD UNDERGROUND STORAGE, CITY OF FULLERTON (PROTECT IN PLACE)

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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 - HARBOR BLVD
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1361
SCALE AS SHOWN
SHEET NO.