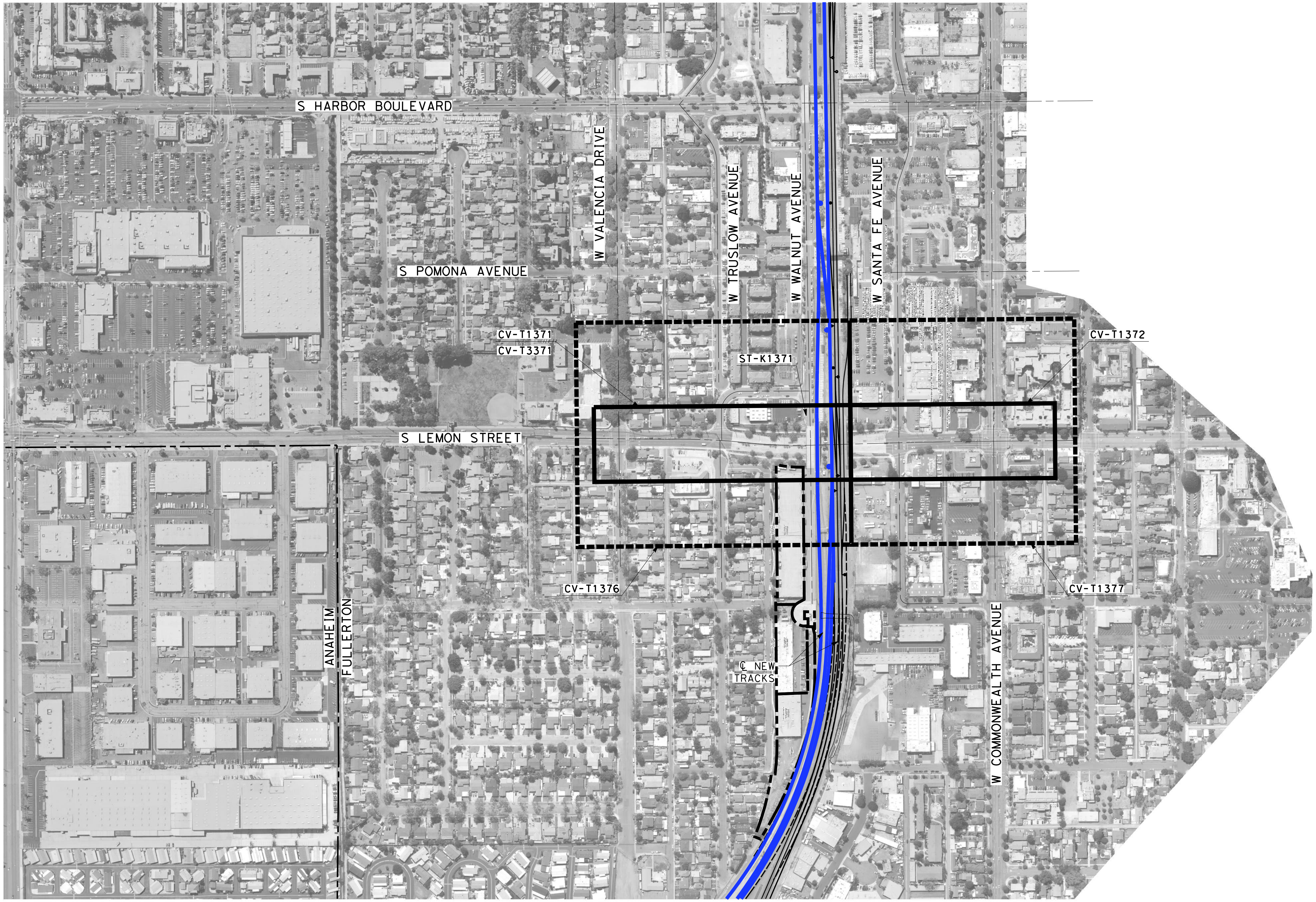


NOTES:

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

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

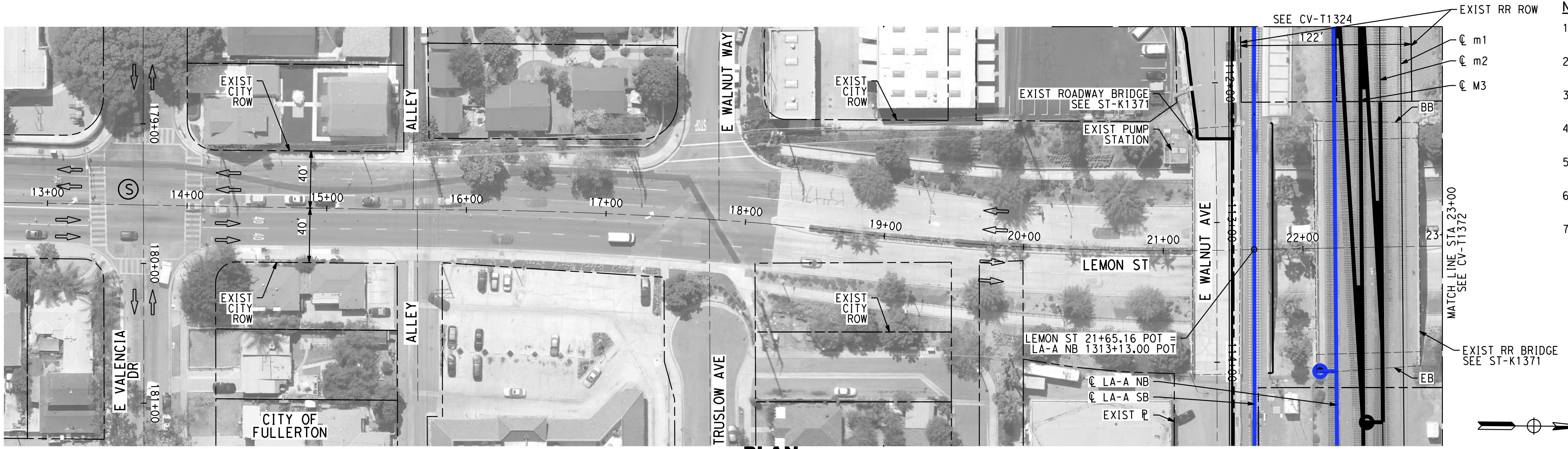
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0371
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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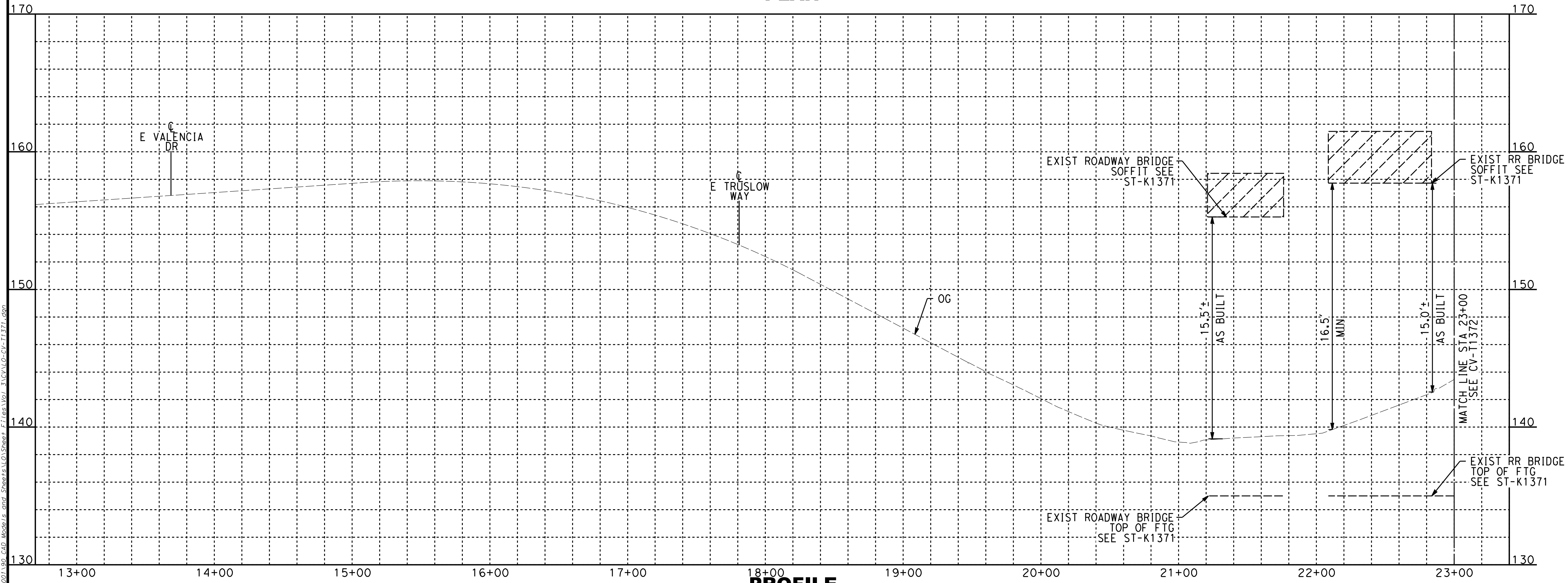
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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
170
160
150
140
130
℄ E VALENCIA DR
℄ E TRUSLOW WAY
OG
EXIST ROADWAY BRIDGE SOFFIT SEE ST-K1371
EXIST RR BRIDGE SOFFIT SEE ST-K1371
15.5'± AS BUILT
16.5' MIN
15.0'± AS BUILT
MATCH LINE STA 23+00 SEE CV-T1372
EXIST RR BRIDGE TOP OF FTG SEE ST-K1371
EXIST ROADWAY BRIDGE TOP OF FTG SEE ST-K1371
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00

PROFILE

ChiangM 2/6/2025 12:49:53 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

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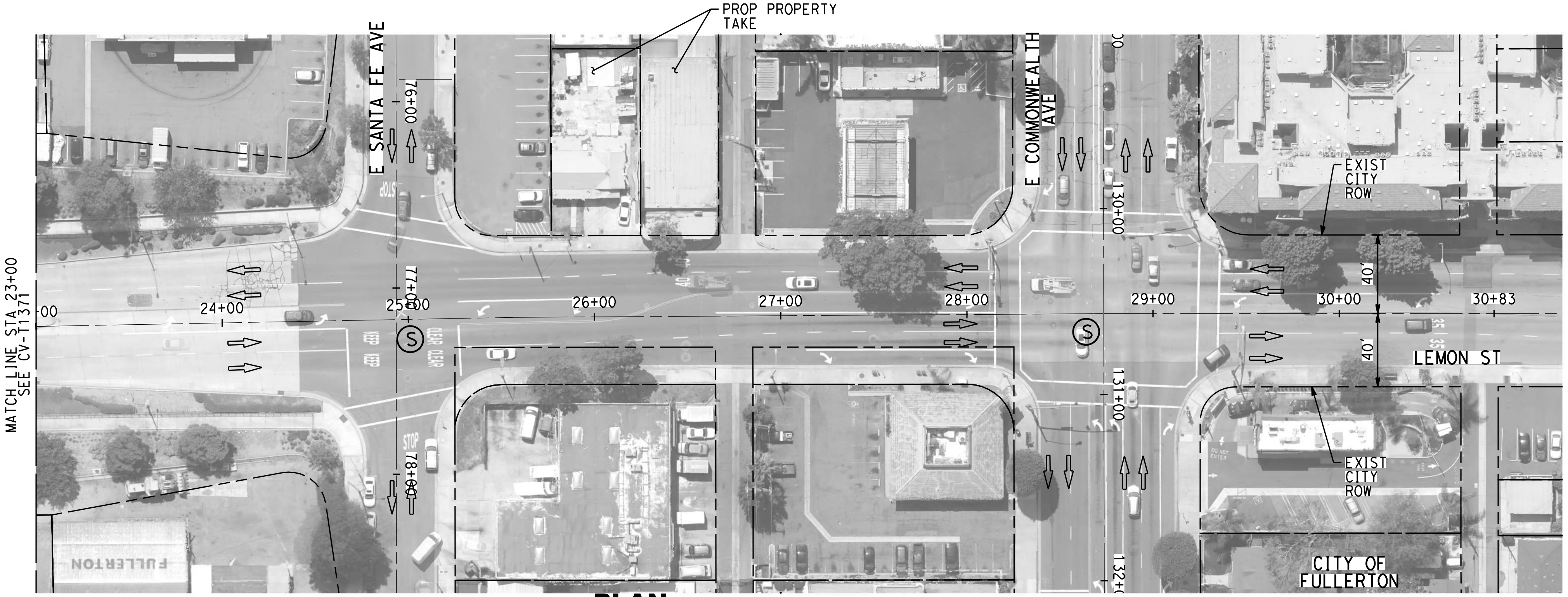
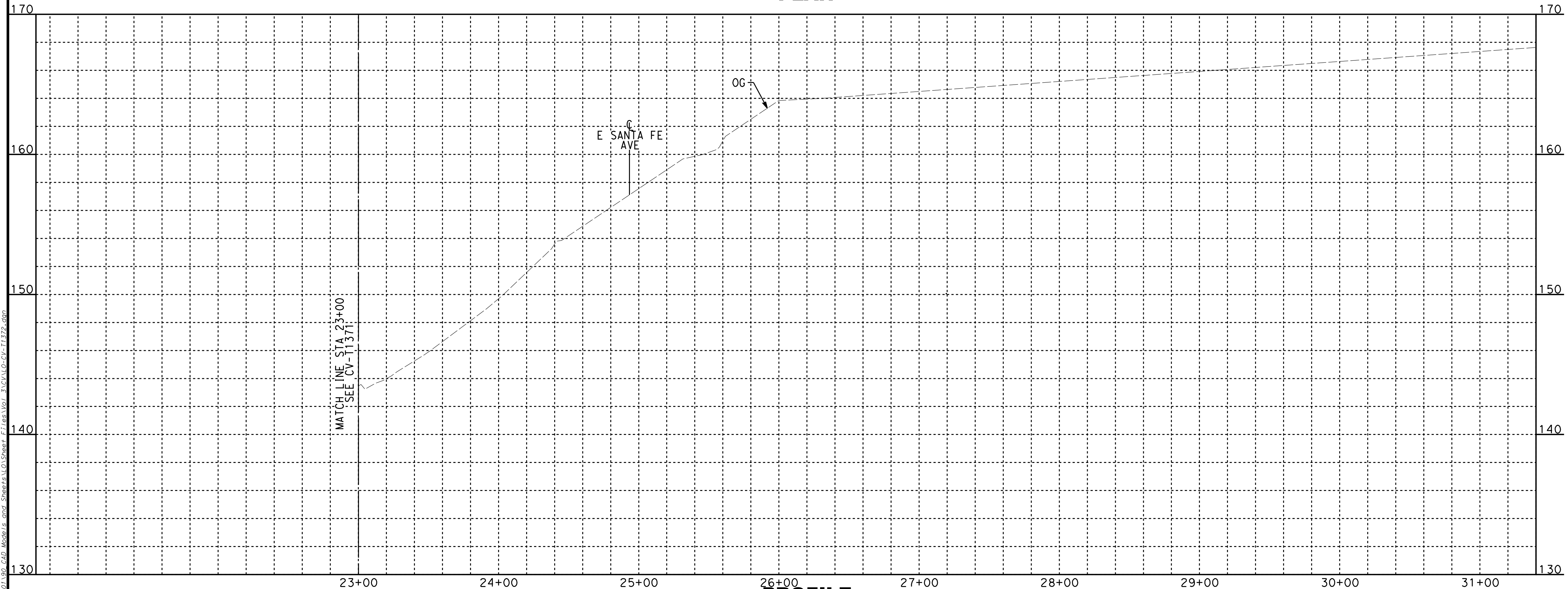
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1371
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

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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

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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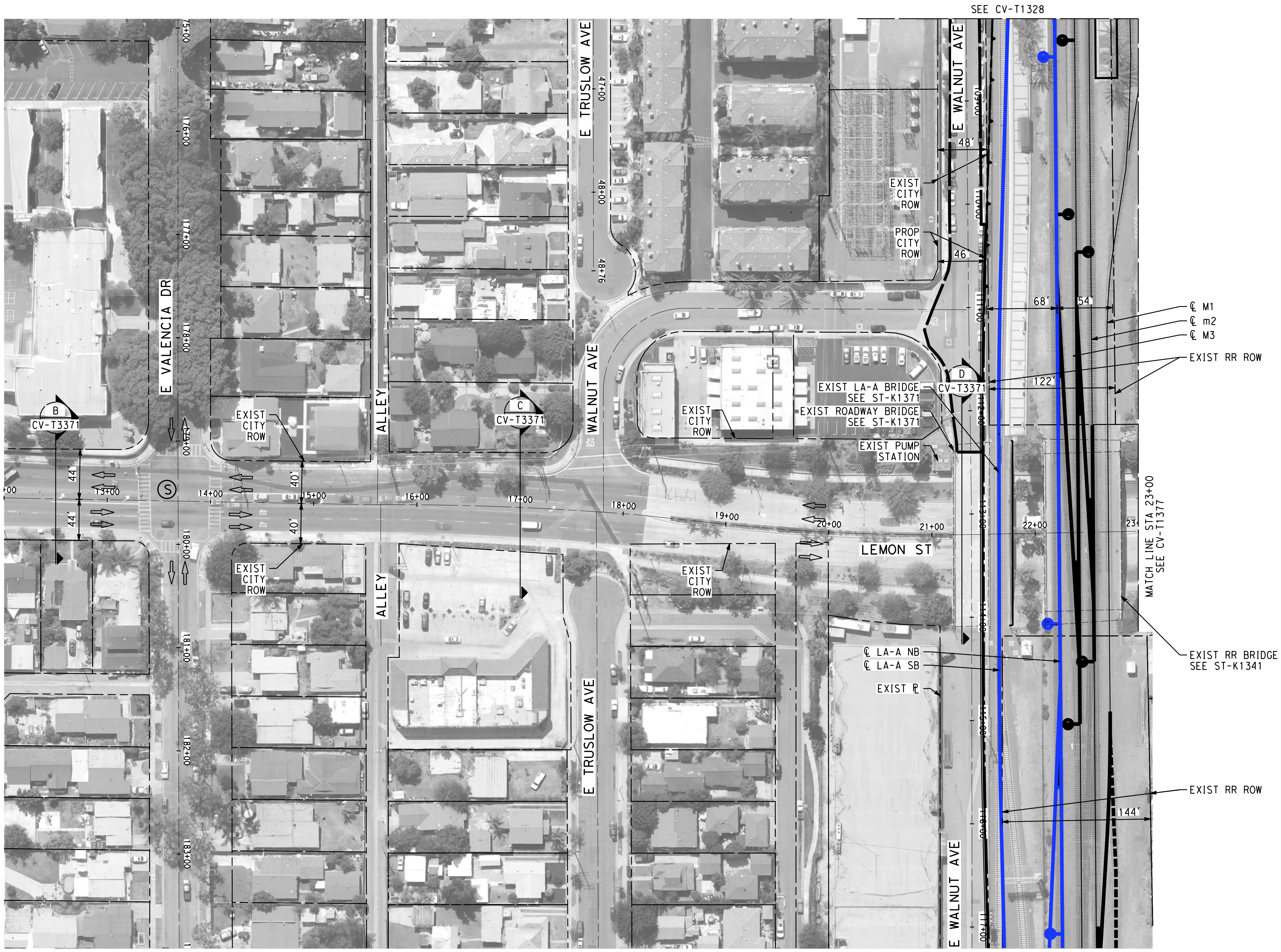
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1372
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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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

ChiangM 2/6/2025 12:50:46 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

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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 - LEMON ST
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1376
SCALE
AS SHOWN
SHEET NO.

NOTES:

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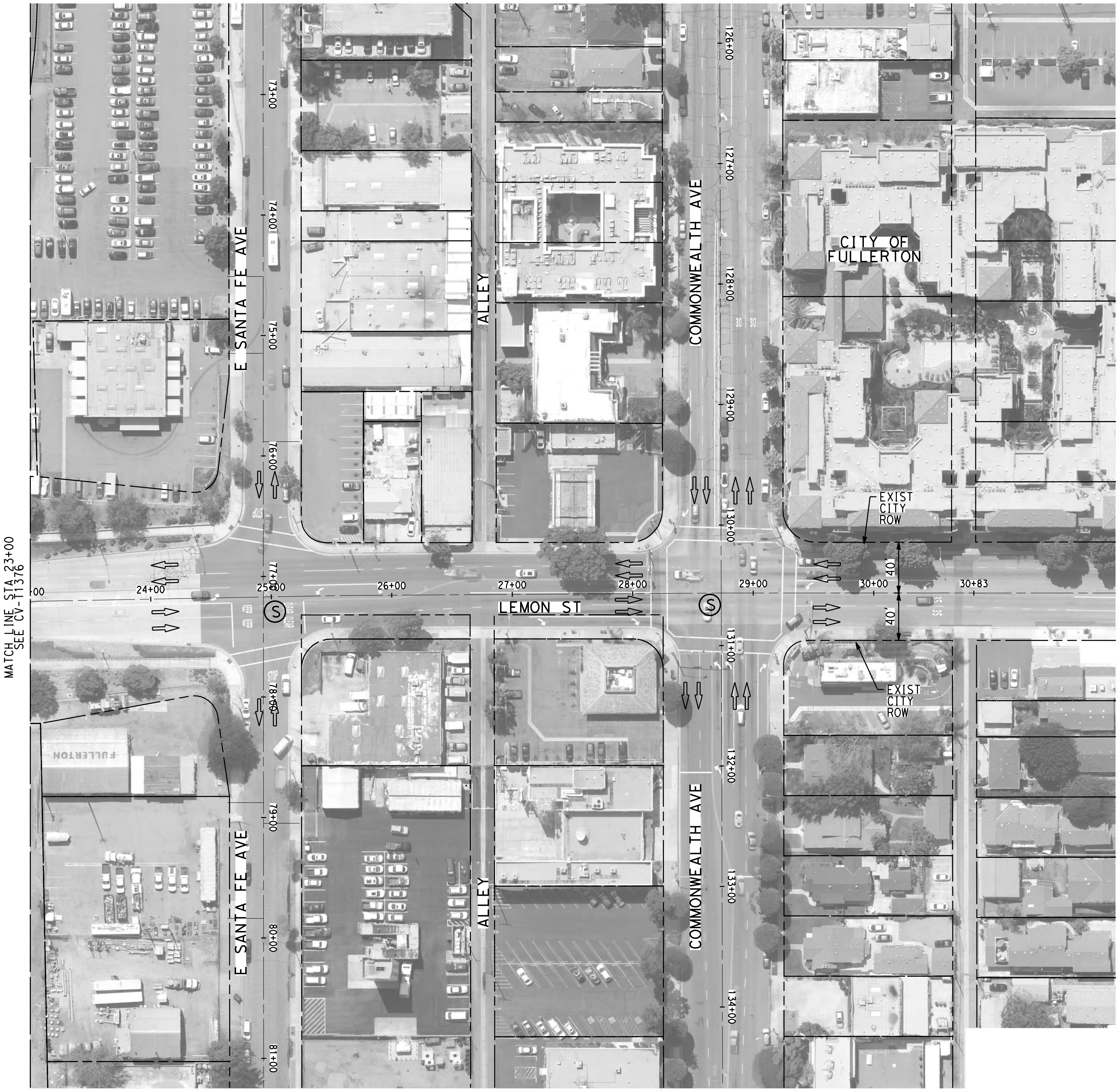

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

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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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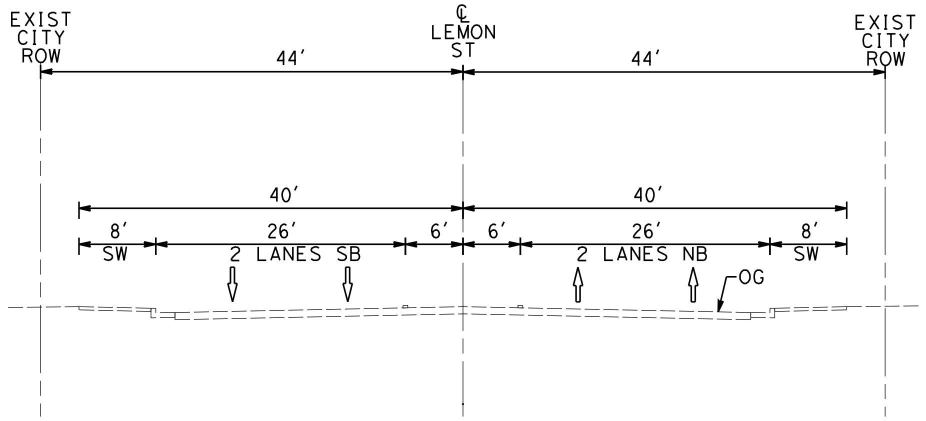
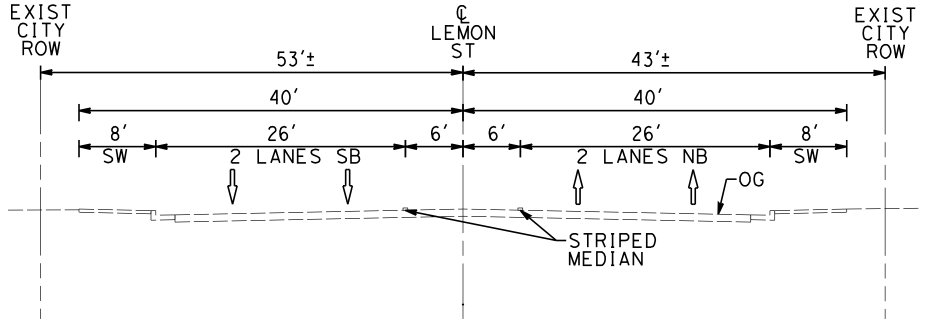
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

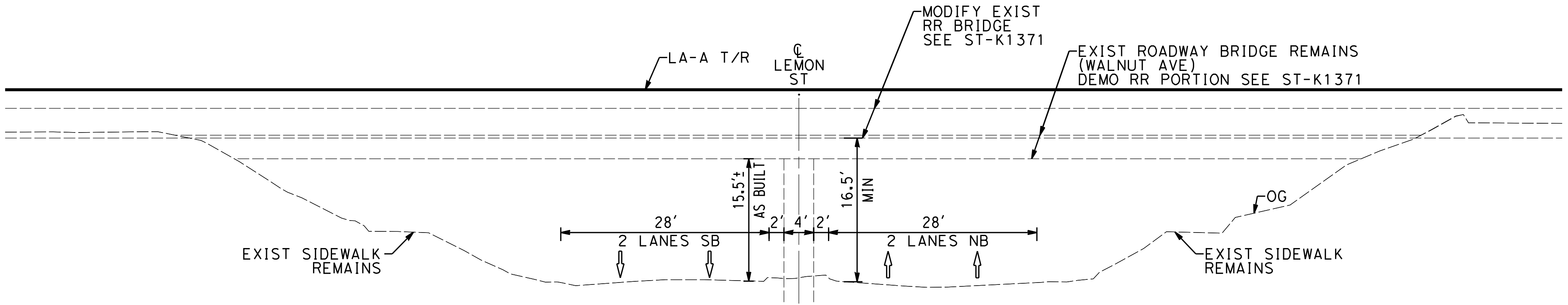
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1377
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 12+50
CV-T1376 AS SHOWN
B
-



EXIST CONDITION
STA 17+00
CV-T1376 AS SHOWN
C
-



MODIFY EXIST RR BRIDGE IS PROJECTED BEHIND STA 21+80

PROP CONDITION
STA 21+50
CV-T1376 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

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 - LEMON ST
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3371
SCALE
AS SHOWN
SHEET NO.

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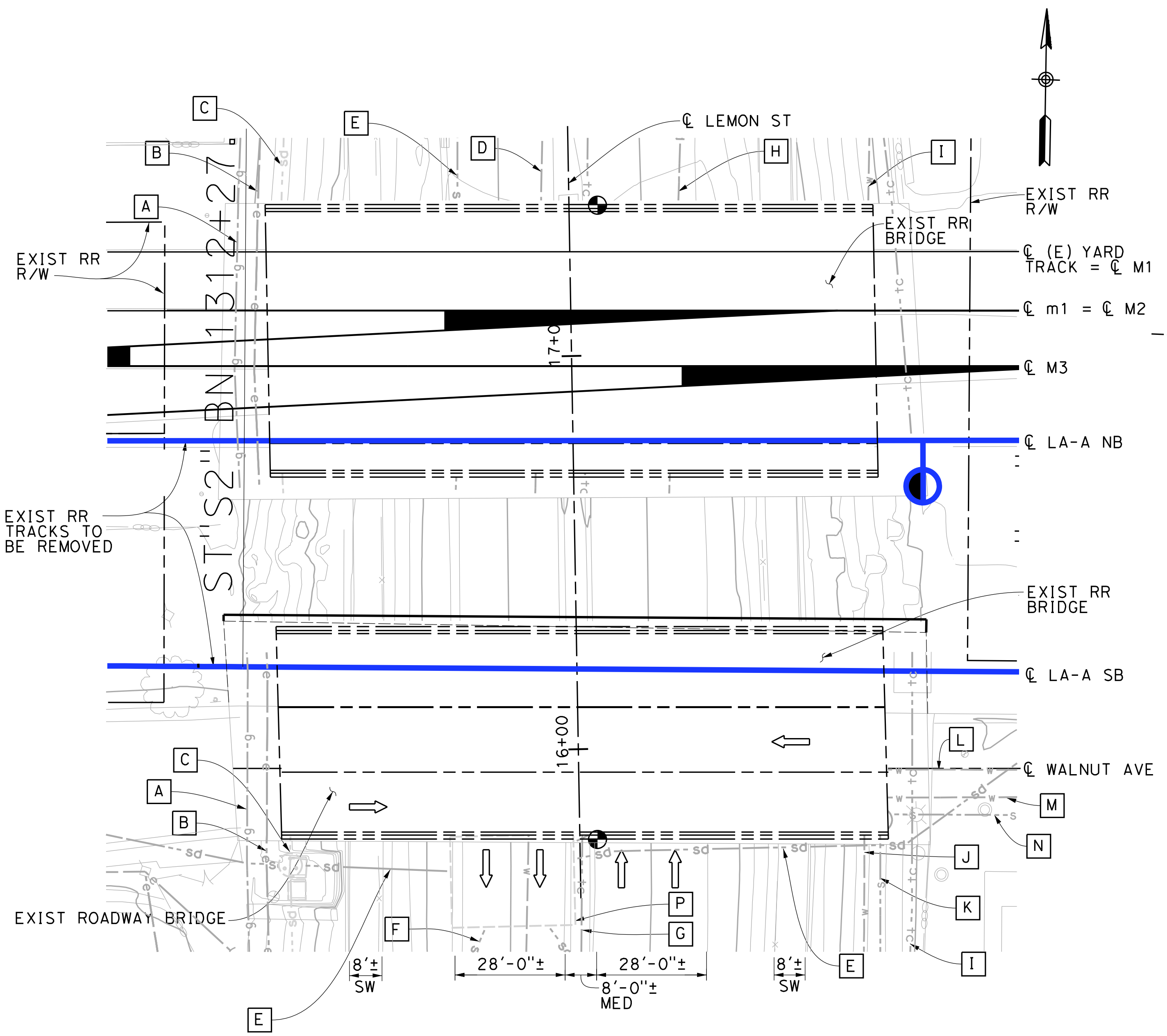
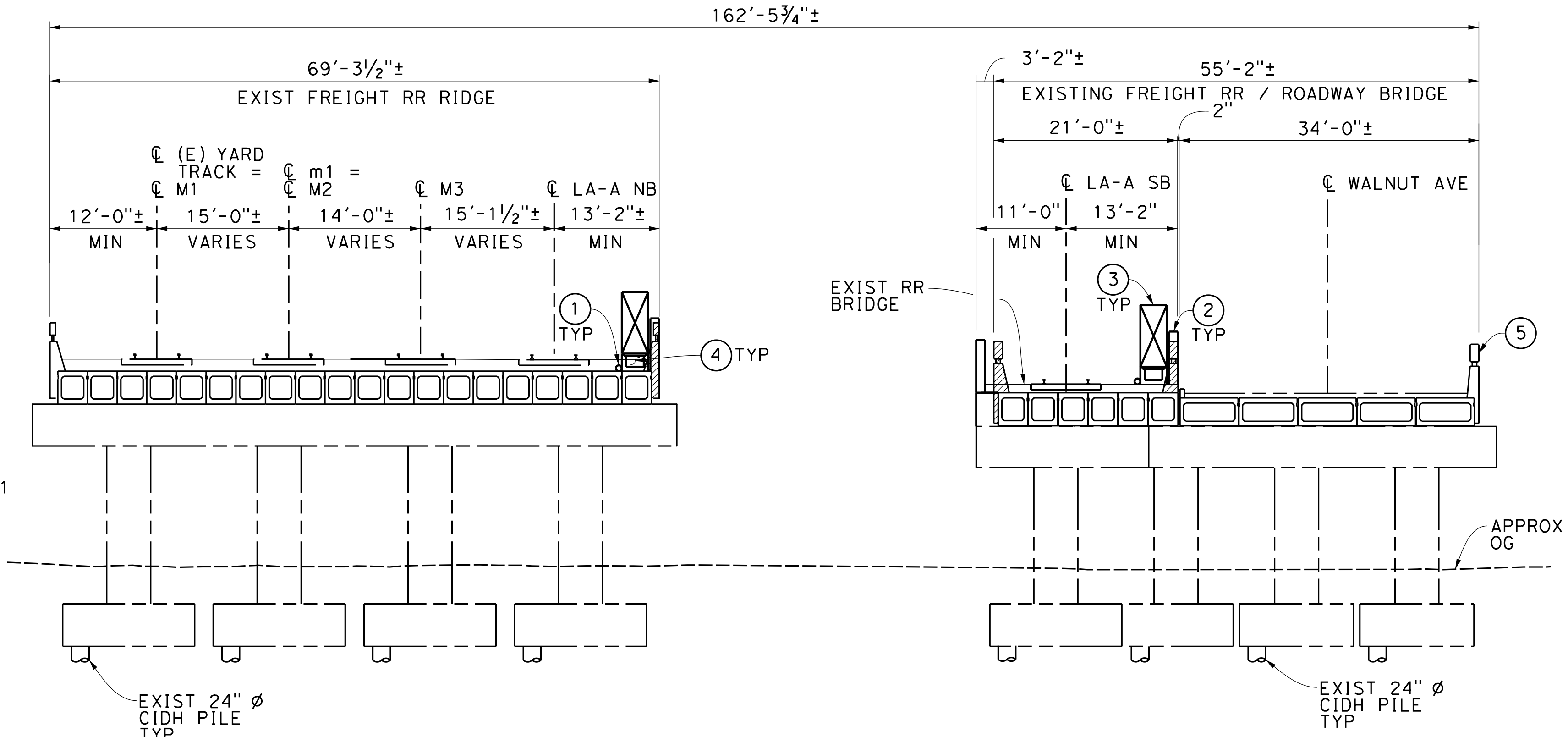


PLAN

1"= 20'-0"



TYPICAL SECTION

1" = 10'-0"

GENERAL NOTE:

1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.

EXISTING UTILITIES:

A	EXIST 8" GAS LINE (SCG), CITY OF FULLERTON (PROTECT IN PLACE)
B	EXIST ELECTRICAL UG LINE (SCE), CITY OF FULLERTON (PROTECT IN PLACE)
C	EXIST 33" RCP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
D	EXIST 2" IRRIGATION, CITY OF FULLERTON (PROTECT IN PLACE)
E	EXIST 18" CMP STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
F	EXIST STORM DRAIN, CITY OF FULLERTON (PROTECT IN PLACE)
G	EXIST COMMUNICATION LINE FO/CABLE TV, CITY OF FULLERTON (PIP)
H	EXIST DOUBLE RCB CULVERT, CITY OF FULLERTON (PROTECT IN PLACE)
I	EXIST 4" CABLE COMMUNICATION LINE, CITY OF FULLERTON (PIP)
J	EXIST 16" CIP WATER LINE, CITY OF FULLERTON (PROTECT IN PLACE)
K	EXIST 21" SEWER LINE, CITY OF FULLERTON (PROTECT IN PLACE)
L	EXIST 8" DI WATER LINE, CITY OF FULLERTON (PROTECT IN PLACE)
M	EXIST 4" CI WATER LINE, CITY OF FULLERTON (PROTECT IN PLACE)
N	EXIST 6" VCP SEWER LINE, CITY OF FULLERTON (PROTECT IN PLACE)
O	EXIST PUMP STATION, CITY OF FULLERTON (PROTECT IN PLACE)

TRAFFIC (PER DAY):

ADT$_{2009}$: 28,900
ADT$_{2035}$: 32,200
TRAIN VOLUME$_{2030}$: 118 FREIGHT
60 METROLINK
40 AMTRAK

NOTES:

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

LEGEND:

◐	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (15'-0"±)
◐	INDICATES EXISTING POINT OF MINIMUM VERTICAL CLEARANCE (15'-6"±)
⇦	INDICATES DIRECTION OF TRAFFIC
- - ——	INDICATES EXISTING
▨	INDICATES LIMITS OF BRIDGE REMOVAL
(M)	PROPOSED ALIGNMENT
(m)	EXISTING ALIGNMENT
(PIP)	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

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY S. LEE
DRAWN BY C. HUANG
CHECKED BY B. OLP
IN CHARGE J. SWANSON
DATE 08/29/22 02/28/25

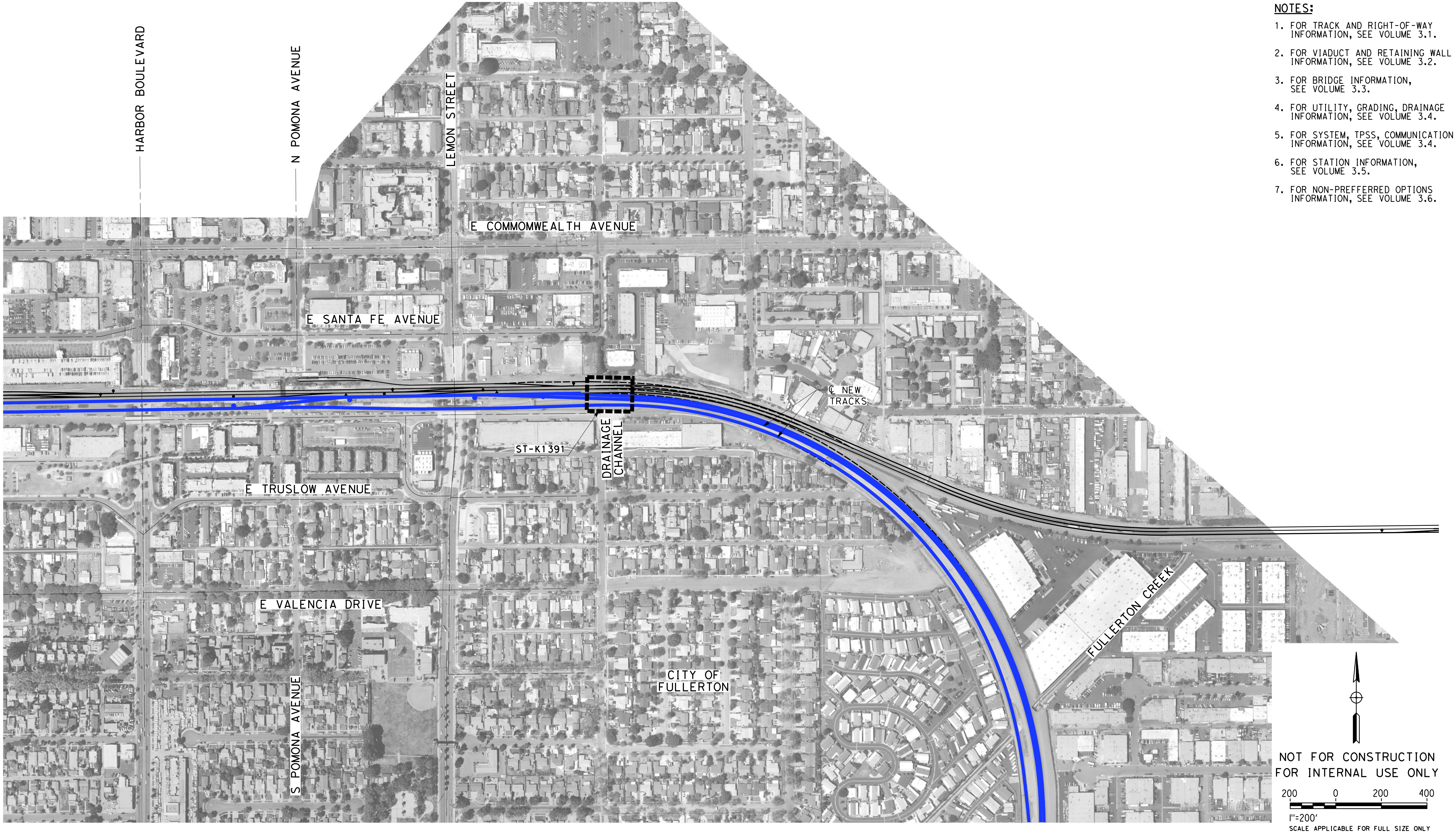
PEPD SUBMITTAL FOR INTERNAL USE ONLY

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 - LEMON STREET
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1371
SCALE AS SHOWN
SHEET NO.



NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

$PLOT$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/29/25 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

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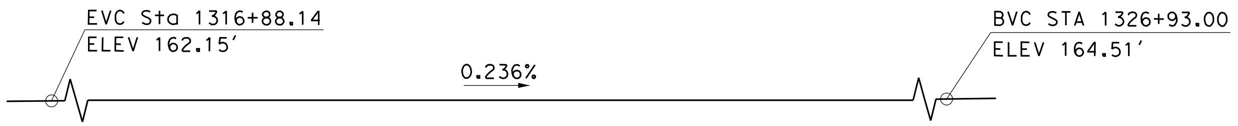
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

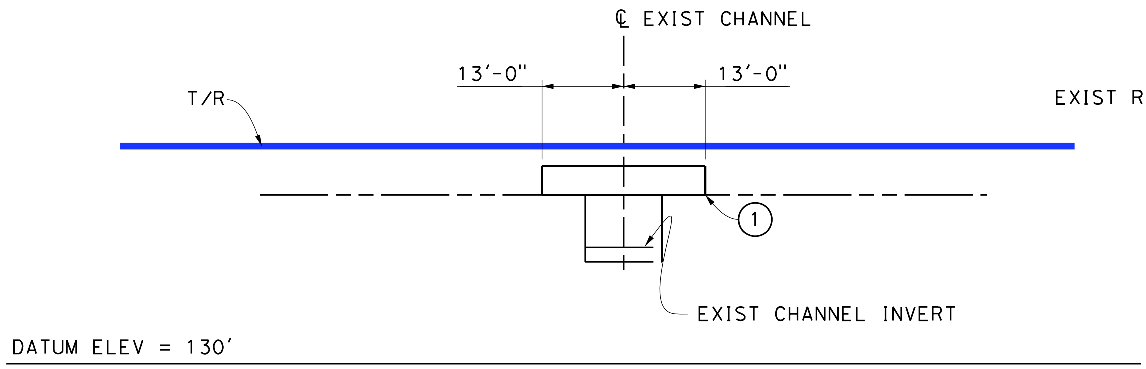
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - DRAINAGE CHANNEL
ORIENTATION MAP

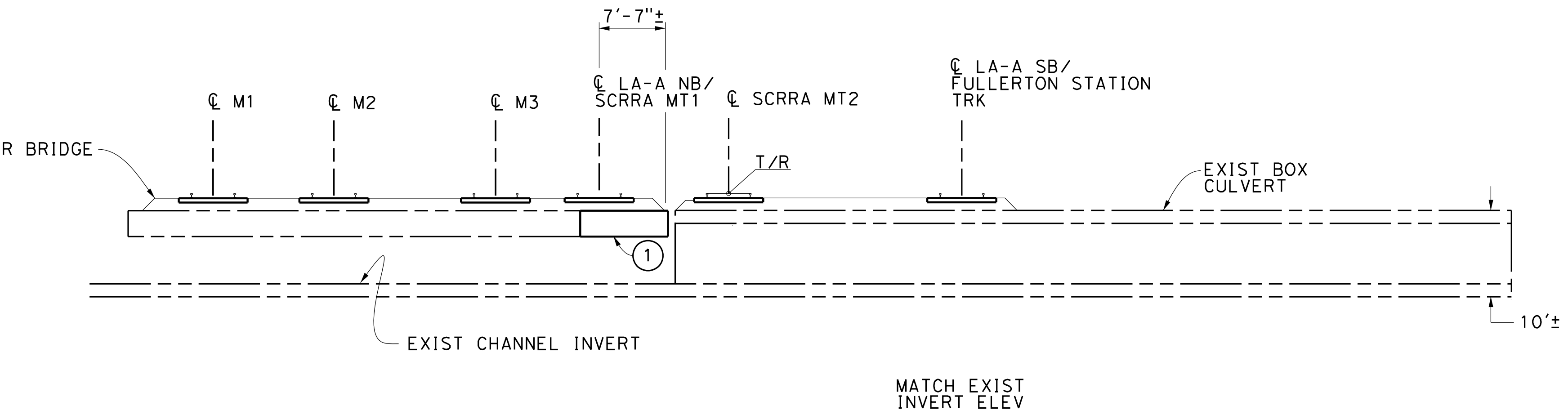
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0391
SCALE
1" = 200'
SHEET NO.



TOP OF RAIL PROFILE (M4)

NO SCALE



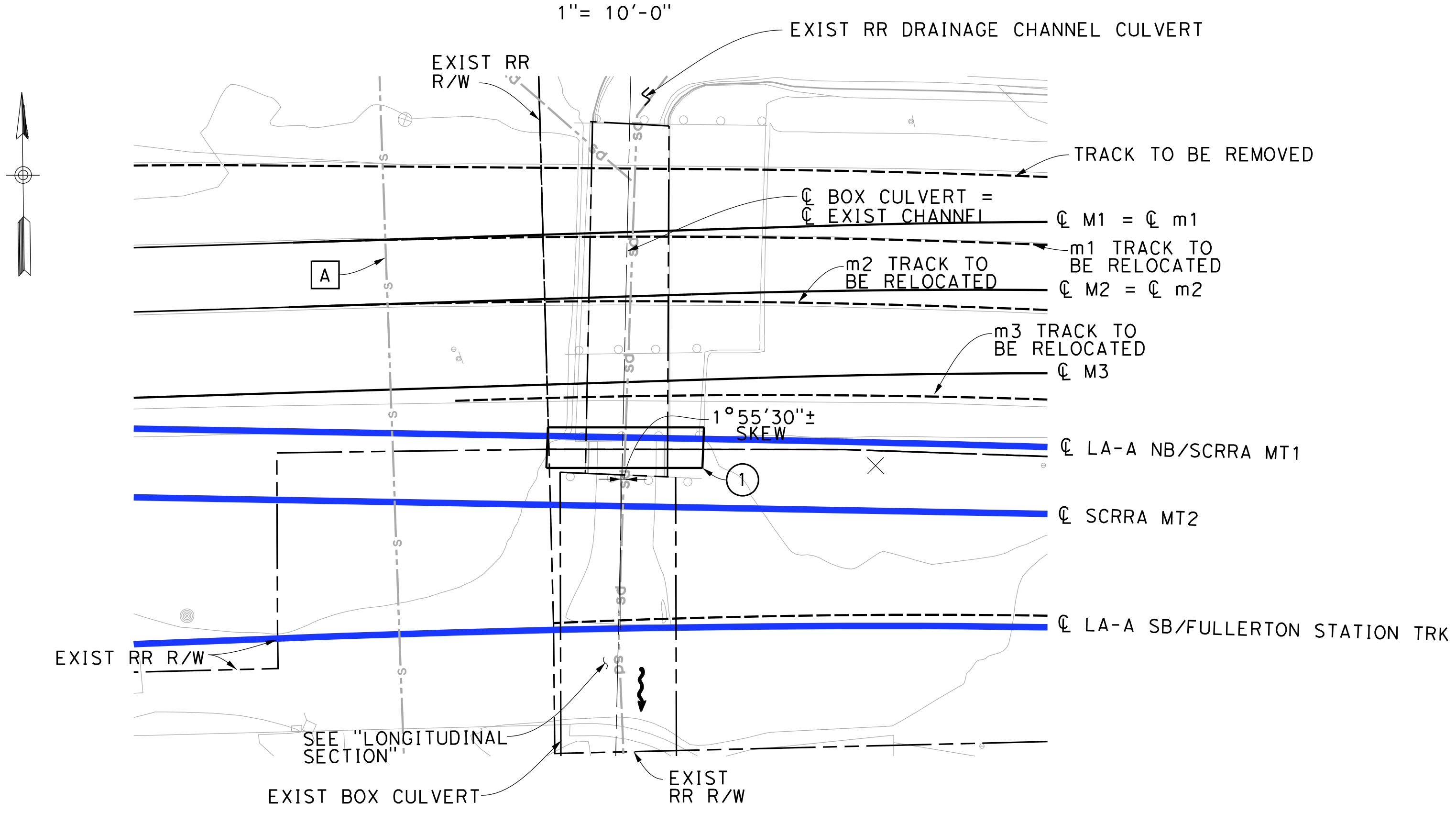


TYPICAL SECTION

1"= 10'-0"

LONGITUDINAL SECTION

1" = 10'-0"



PLAN

1"= 20'-0"

NOTES:

① PROPOSED BRIDGE/CULVERT EXTENSION

EXISTING UTILITIES:

A EXIST 21" SEWER, CITY OF FULLERTON (PROTECT IN PLACE)

LEGEND:

——— — — —	INDICATES EXISTING FEATURES
▨	INDICATES LIMITS OF EXIST OPEN CHANNEL REMOVAL
〰	INDICATES DIRECTION OF FLOW

TRAFFIC (PER DAY):

ADT$_{2010}$:	N/A
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

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1391
SCALE AS SHOWN
SHEET NO.

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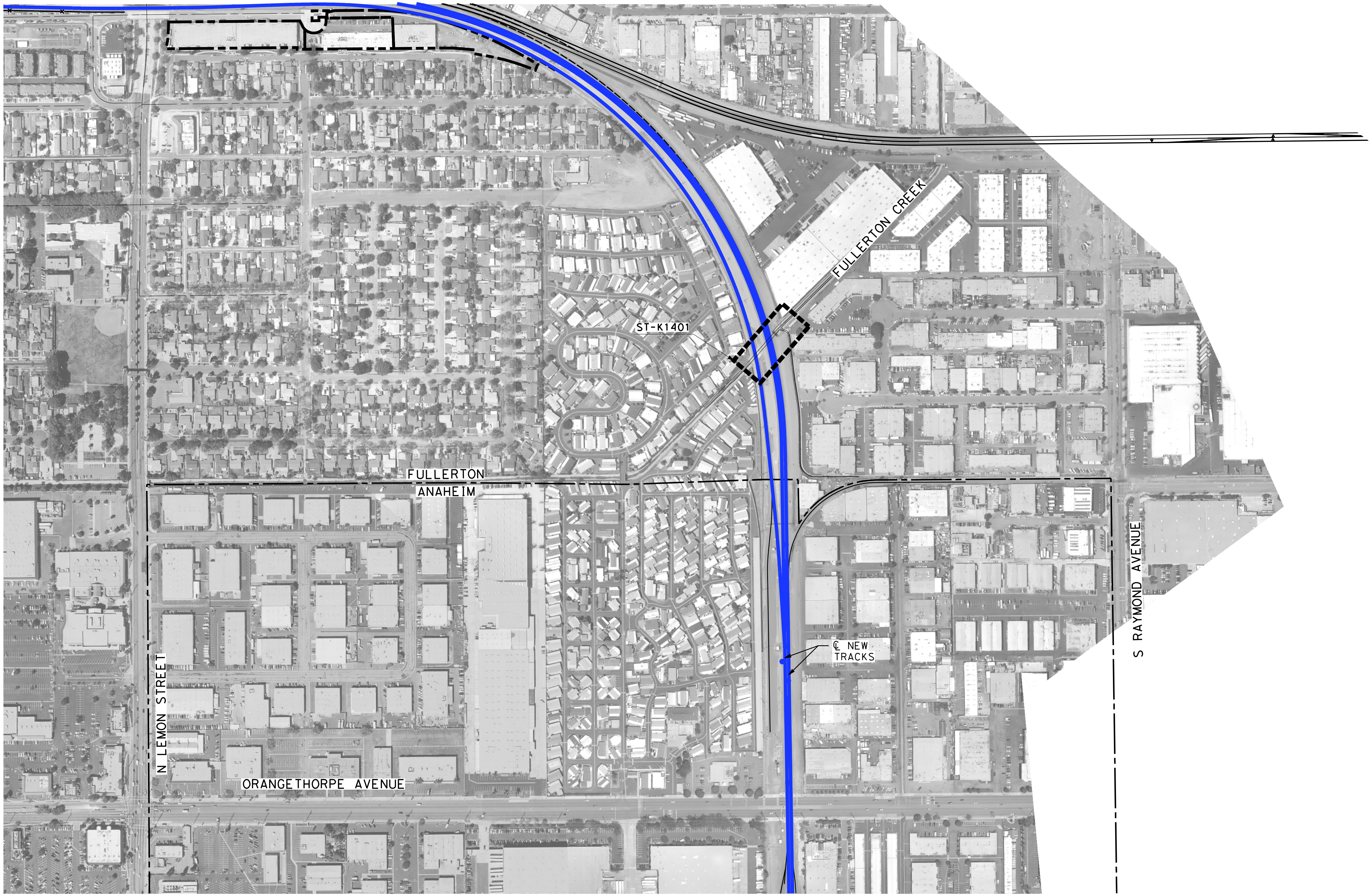
ChiangM



NOTES:

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

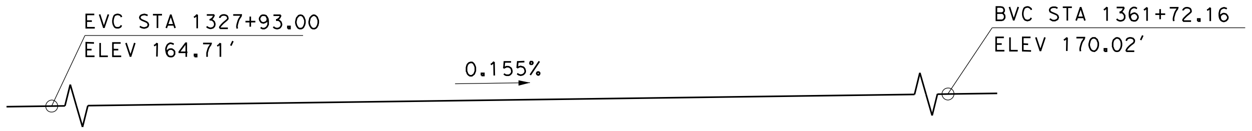
**NOT FOR
CONSTRUCTION**

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

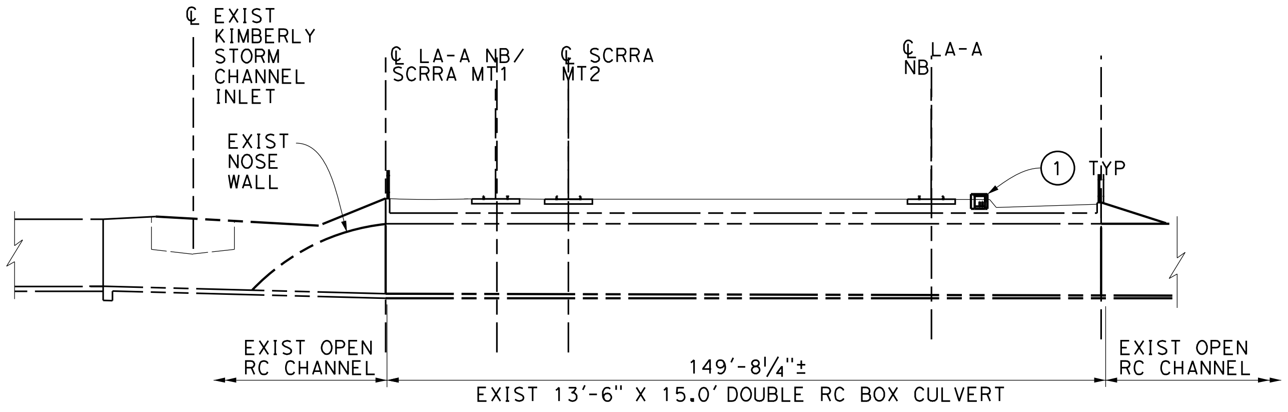
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0401
SCALE
1" = 200'
SHEET NO.

$PLOT$



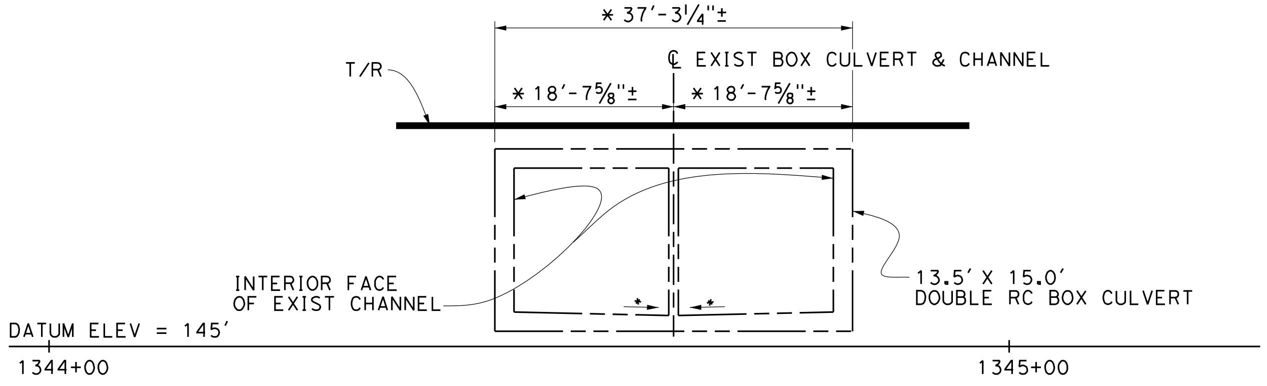
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



SECTION (A/–)

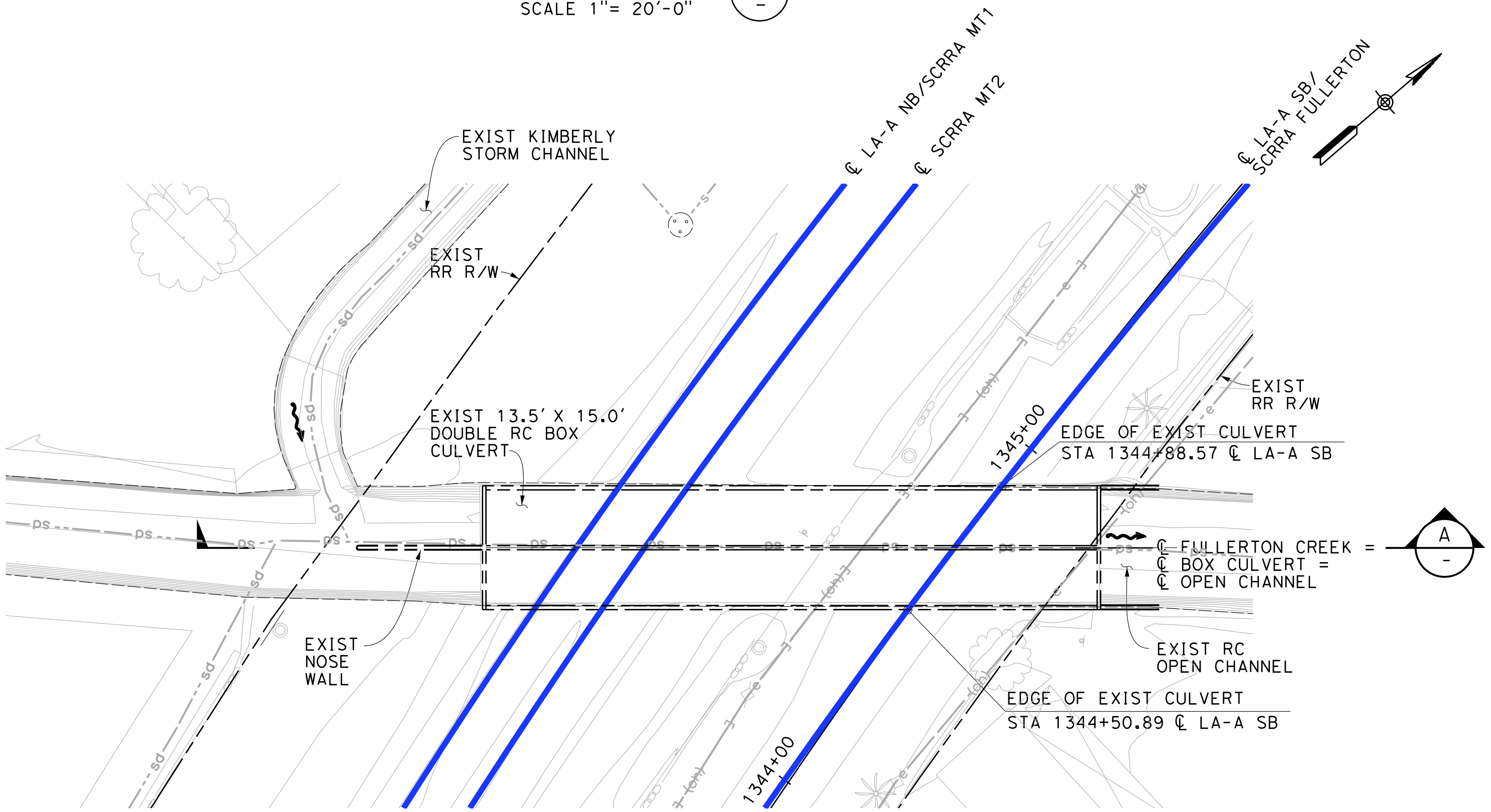
SCALE 1"= 20'-0"


* 37'-3¼"±
T/R
℄ EXIST BOX CULVERT & CHANNEL
* 18'-7⅝"±
* 18'-7⅝"±
INTERIOR FACE OF EXIST CHANNEL
13.5' X 15.0' DOUBLE RC BOX CULVERT
DATUM ELEV = 145'
1344+00
1345+00

* SECTION IS MEASURED ALONG ℄ OF LA-A SB TRACK

TYPICAL SECTION

1"= 10'-0"


℄ LA-A NB/SCRRA MT1
℄ SCRRA MT2
℄ LA-A SB/ SCRRA FULLERTON
EXIST KIMBERLY STORM CHANNEL
EXIST RR R/W
EXIST 13.5' X 15.0' DOUBLE RC BOX CULVERT
1345+00
EDGE OF EXIST CULVERT STA 1344+88.57 ℄ LA-A SB
EXIST RR R/W
℄ FULLERTON CREEK = ℄ BOX CULVERT = ℄ OPEN CHANNEL
A
–
EXIST NOSE WALL
EXIST RC OPEN CHANNEL
EDGE OF EXIST CULVERT STA 1344+50.89 ℄ LA-A SB
1344+00

PLAN

1"= 20'-0"

NOTE:

① NEW UTILITY DUCT

NOTE:

FREIGHT AND HSR UTILIZING EXISTING TRACKS

LEGEND:

—— — — INDICATES EXISTING
〰 INDICATES DIRECTION OF FLOW

TRAFFIC (PER DAY):

ADT$_{2010}$: N/A
ADT$_{2030}$: N/A
TRAIN VOLUME$_{2030}$: 118 FREIGHT
28 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

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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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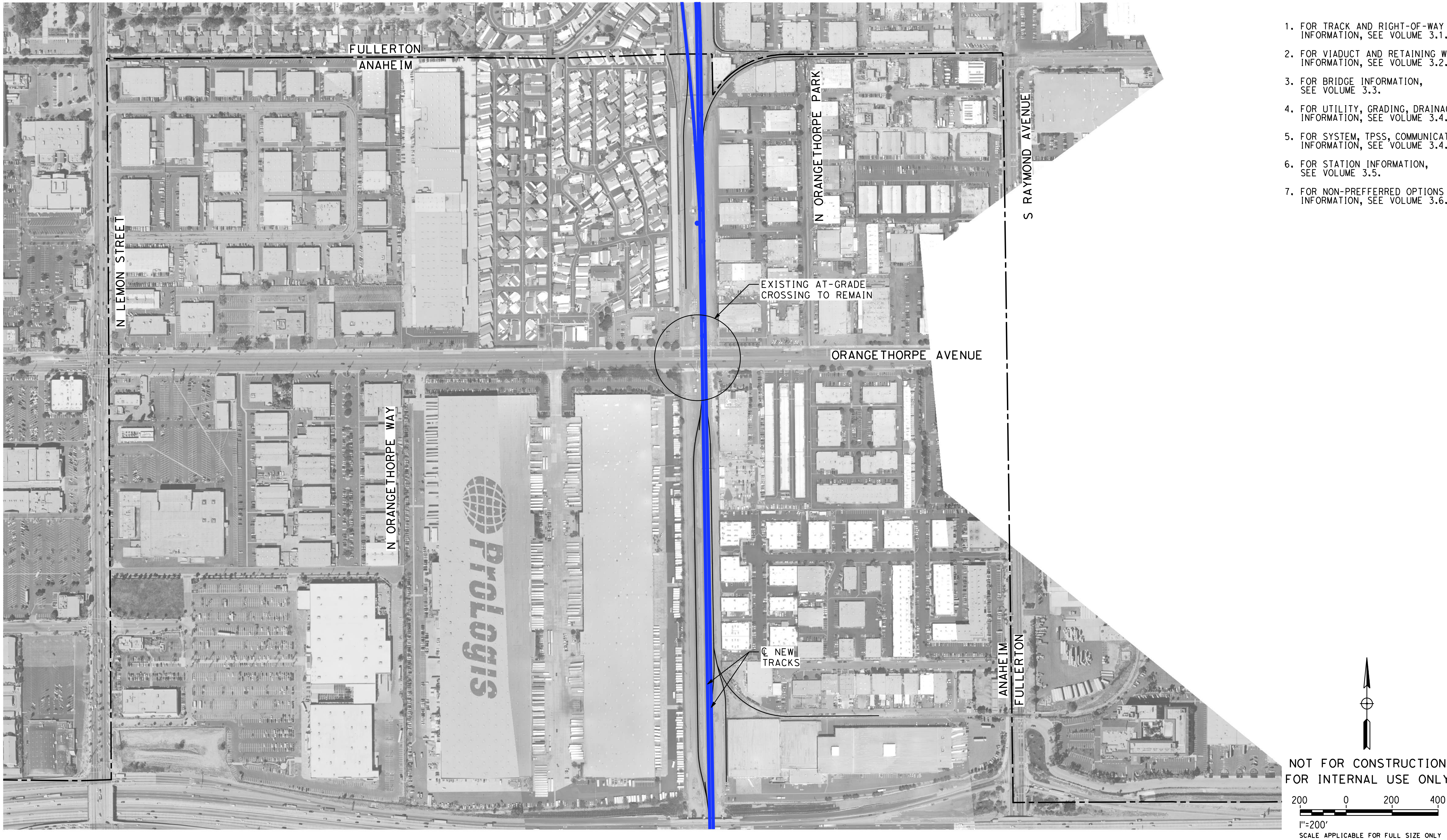
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1401
SCALE AS SHOWN
SHEET NO.

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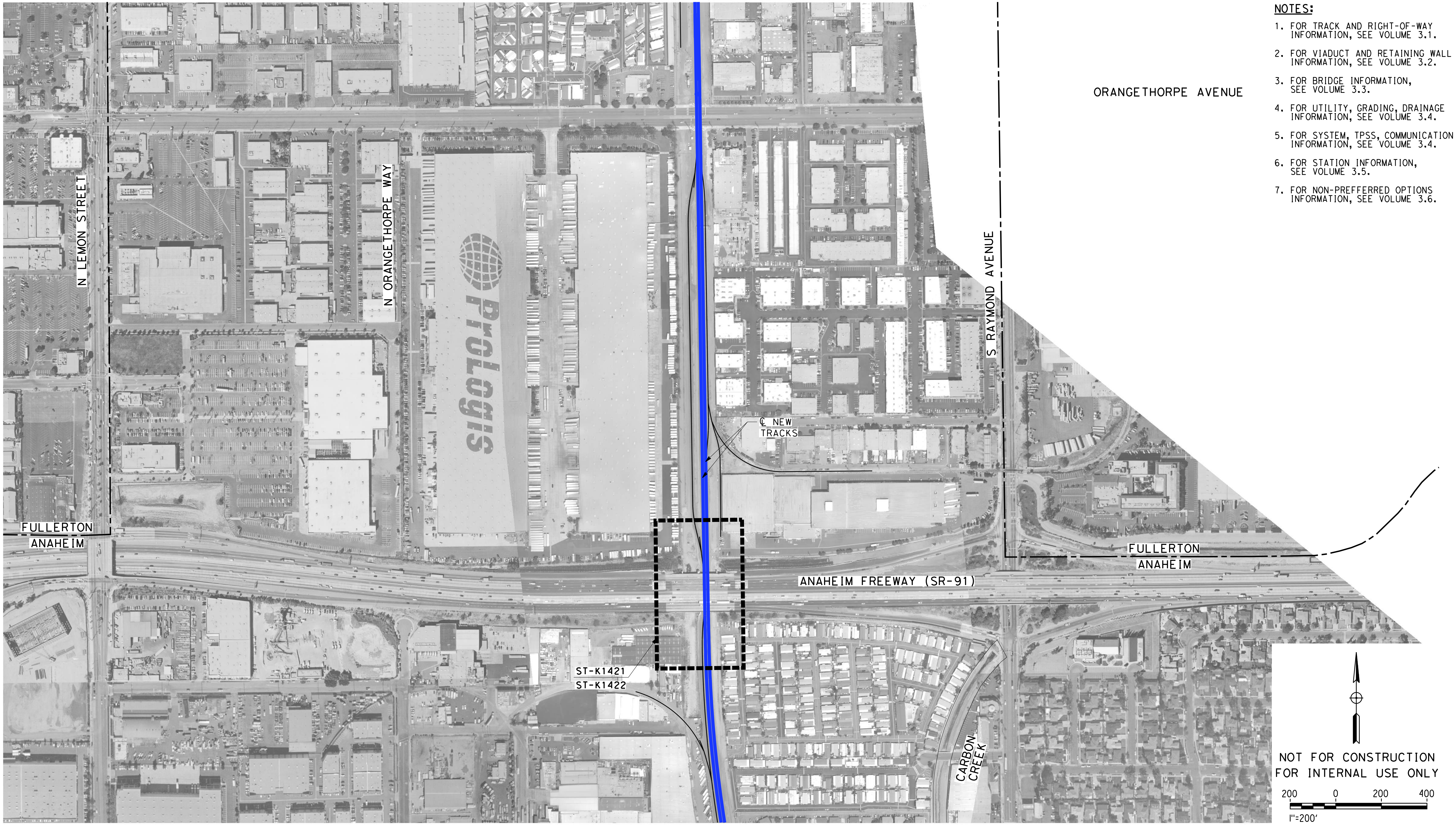
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0411
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.
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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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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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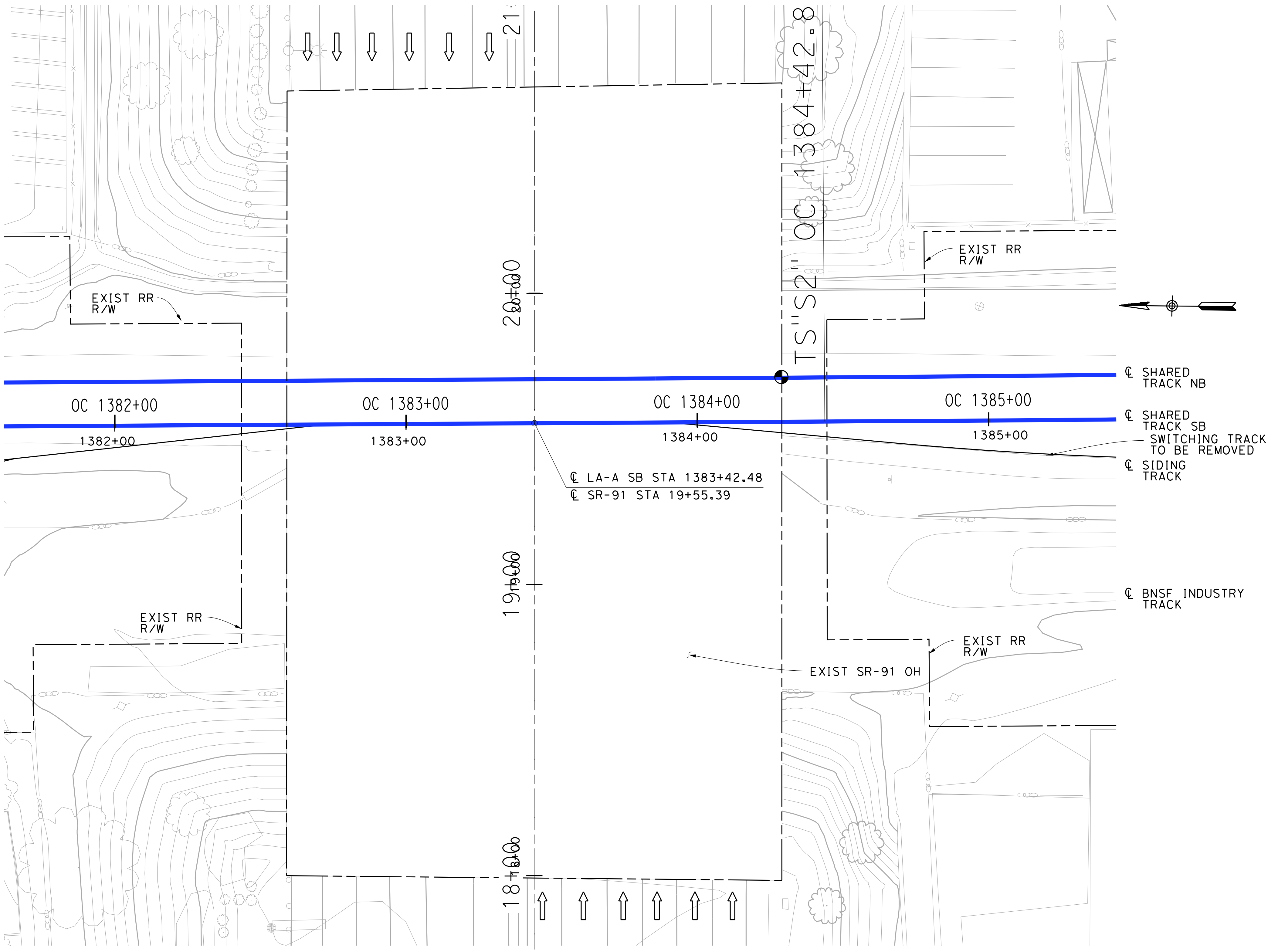
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
EXISTING NORTH ANAHEIM FWY OVERHEAD (SR-91)
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0421
SCALE
1" = 200'
SHEET NO.

$PLOT$



PLAN

1"= 20'-0"

GENERAL NOTES:

BRIDGE NO. 55-216

DESIGN DATE:		JULY 14, 1958
DESIGN:	AASHTO DATED 1953 WITH SUBSEQUENT REVISIONS AND BRIDGE DEPARTMENT SUPPLEMENTS DATED 1953	
LIVE LOADING:		H20-S16-44
REINFORCED CONCRETE:		Fs = 20,000 PSI, N = 10 Fc = 1,200 PSI
STRUCTURAL STEEL:		Fs = 18,000 PSI
PILE LOADING:		45 TONS CONCRETE PILES
CENTER WIDEN:		APRIL 19, 1965
DESIGN:	AASHTO DATED 1961 WITH REVISION AND AS SUPPLEMENTS BY BRIDGE PLANNING AND DESIGN MANUAL	
LIVE LOADING:		H20-S16-44 AND ALTERNATIVE
REINFORCED CONCRETE:		Fs = 20,000 PSI, N = 10 Fc = 1,200 PSI
STRUCTURAL STEEL:		Fs = 20,000 PSI
PILE LOADING:		45 TONS CIDH
CLEAN & TREAT BRIDGE DECK:		APRIL 14, 2003
WIDEN & SEISMIC RETROFIT:		JANURARY 20, 1997
DESIGN:	BRIDGE DESIGN SPECIFICATIONS (1983 AASHTO WITH INTERMS AND REVISIONS BY CALTRANS)	
LIVE LOADING:		H20-44 AND ALTERNATIVE AND PERMIT DESIGN LOADING
REINFORCED CONCRETE:		fy = 60000 PSI, N = 9 f'c = 3250 PSI
STRUCTURAL STEEL:		fy = 36000 PSI fs = 20000 PSI
PILE LOADING ABUTMENT: BENT:		 70 TONS 16" CIDH CONC PILES 100 TONS 16" CIDH CONC PILES

LEGEND:

- ● INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (24'-0" MIN)
- ⇦ INDICATES DIRECTION OF TRAFFIC

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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 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
EXISTING NORTH ANAHEIM FWY OVERHEAD (SR-91)
GENERAL PLAN 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1421
SCALE AS SHOWN
SHEET NO.

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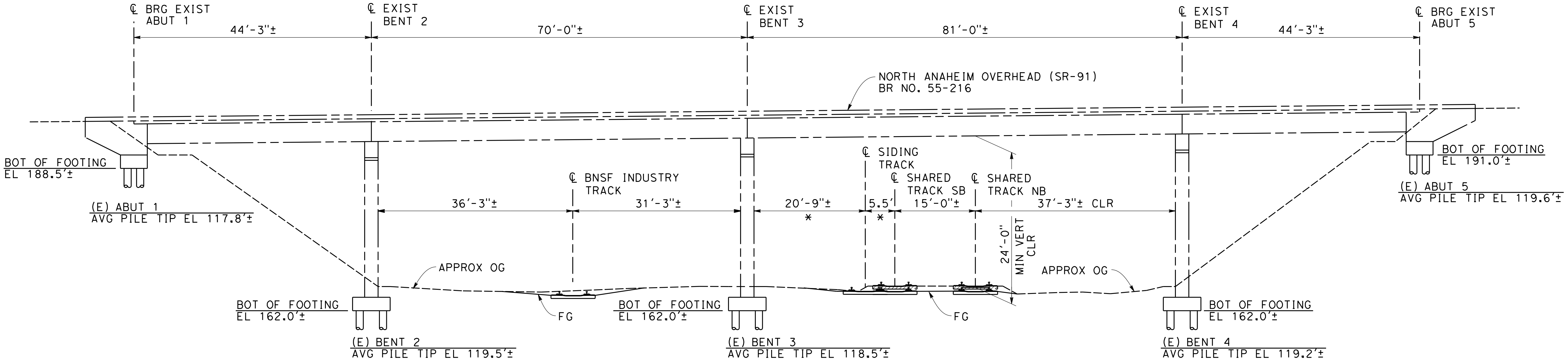

ELEVATION

1"=20'-0"

LEGEND:

———— – – – INDICATES EXISTING FEATURES

▨ INDICATES LIMITS OF EXIST TRACK AND TIE REMOVAL

NOTE:

* SIDING TRACK STARTS AT STATION 1383+68.35 AND IS ANGLED AT 5.25° AWAY FROM ℄ SHARED TRACK SB.

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 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
EXISTING NORTH ANAHEIM FWY OVERHEAD (SR-91)
GENERAL PLAN 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1422
SCALE AS SHOWN
SHEET NO.

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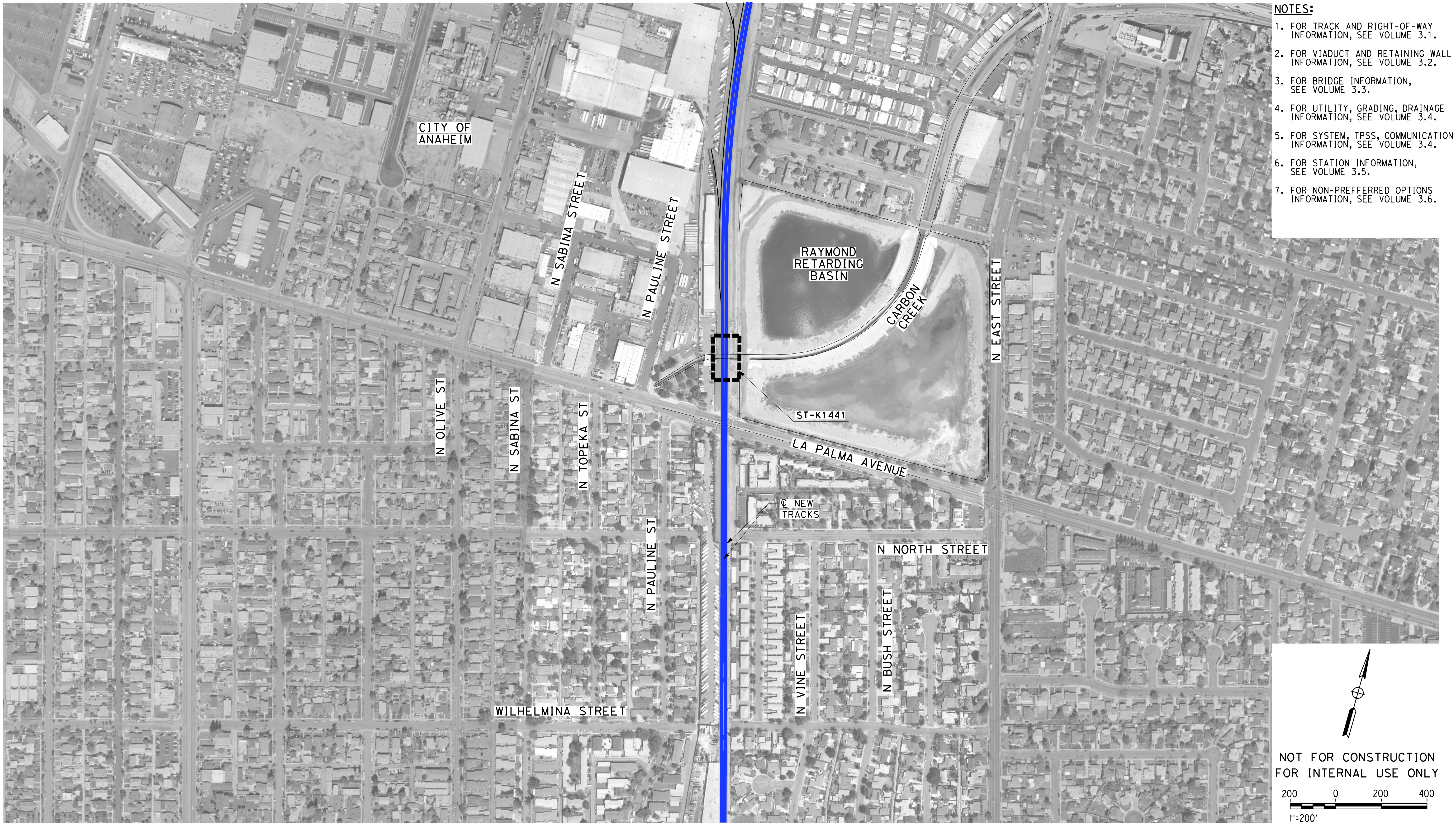

NOTES:

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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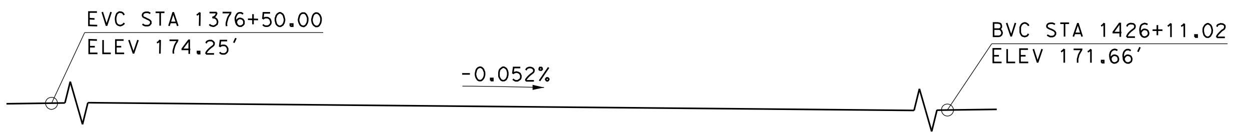
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

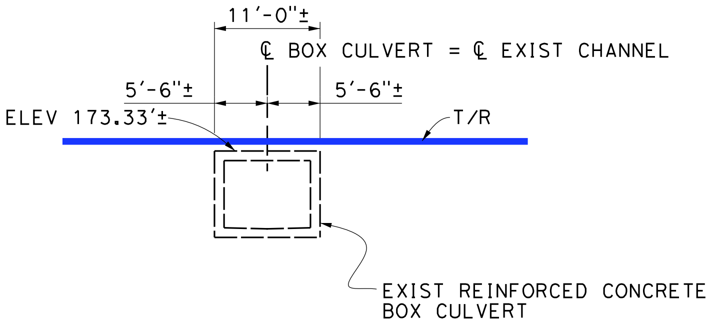
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0441
SCALE
1" = 200'
SHEET NO.

$PLOT$



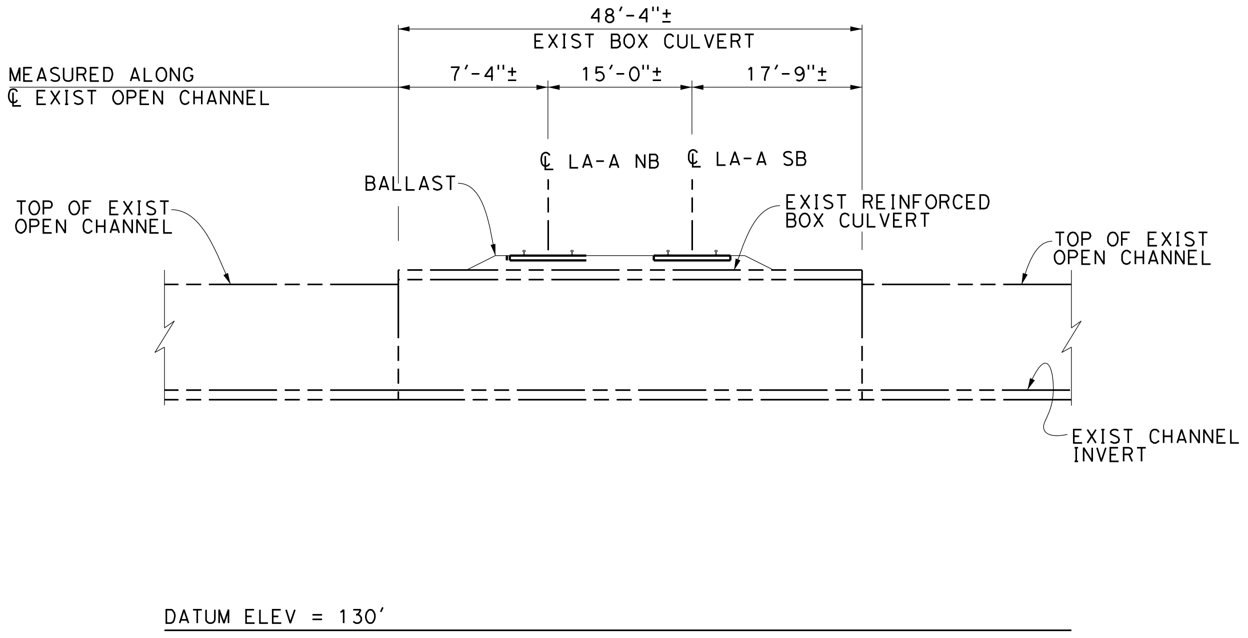
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



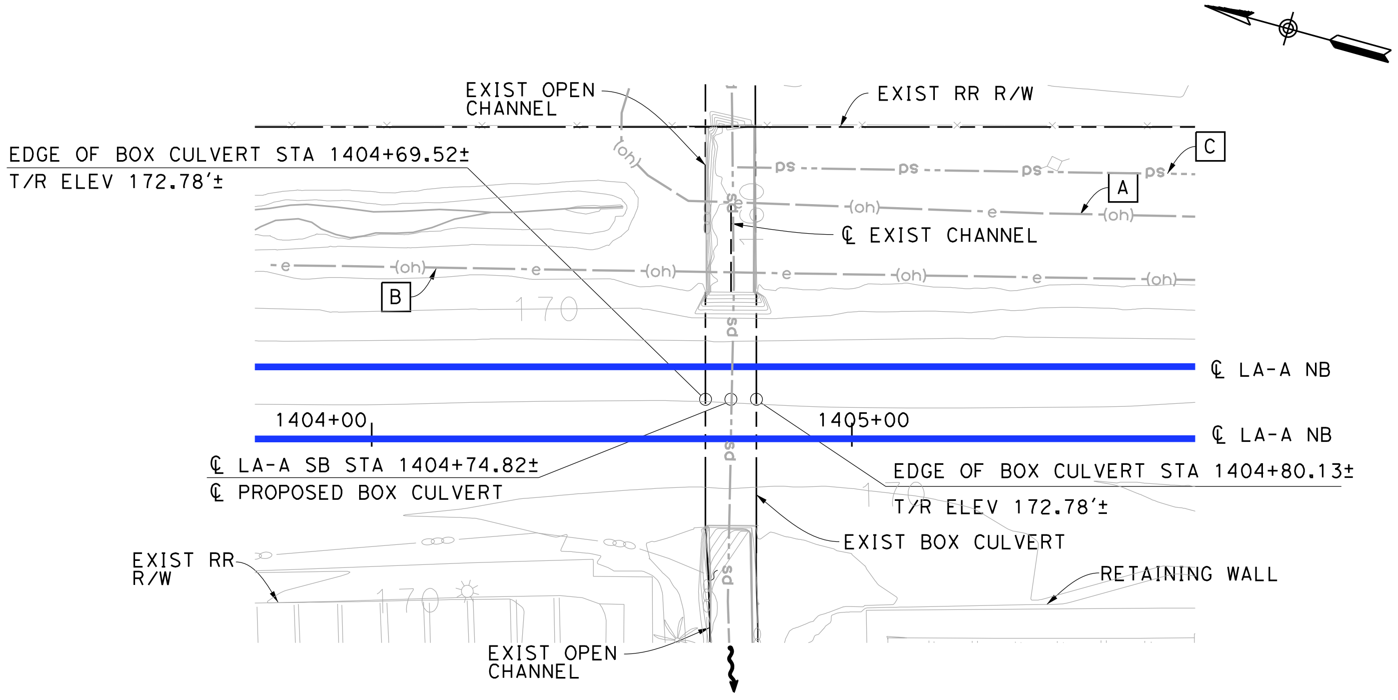
TYPICAL SECTION

1"= 10′-0"



LONGITUDINAL SECTION

1" = 10′-0"



PLAN

1"= 20′-0"

EXISTING UTILITIES:

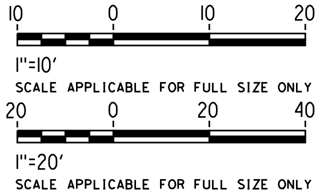
A	EXIST 12KV OVERHEAD ELECTRICAL LINE, CITY OF ANAHEIM (PROTECT IN PLACE)
B	EXIST 69KV 653.9 ACSR OVERHEAD ELECTRICAL LINE, CITY OF ANAHEIM (PROTECT IN PLACE)
C	EXIST 33" RCP STORM DRAIN, CITY OF ANAHEIM (PROTECT IN PLACE)

LEGEND:

——— — —	INDICATES EXISTING
▨	INDICATES LIMITS OF EXIST OPEN CHANNEL LINING REMOVAL
↜	INDICATES DIRECTION OF FLOW

TRAFFIC (PER DAY):

TRAIN VOLUME$_{2030}$:	118	FREIGHT
	28	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

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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 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 - CARBON CREEK
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1441
SCALE AS SHOWN
SHEET NO.

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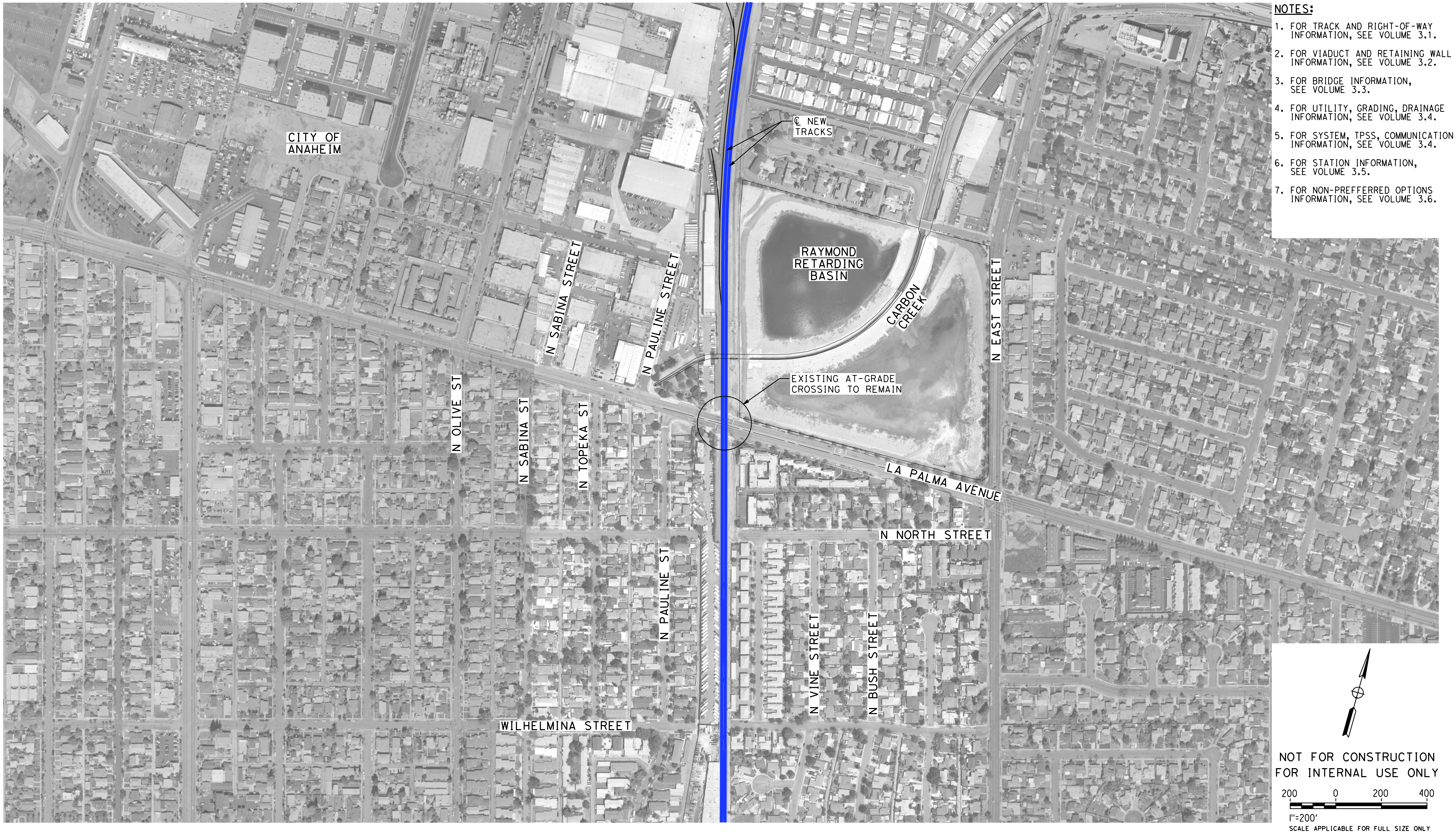
ChiangM



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.

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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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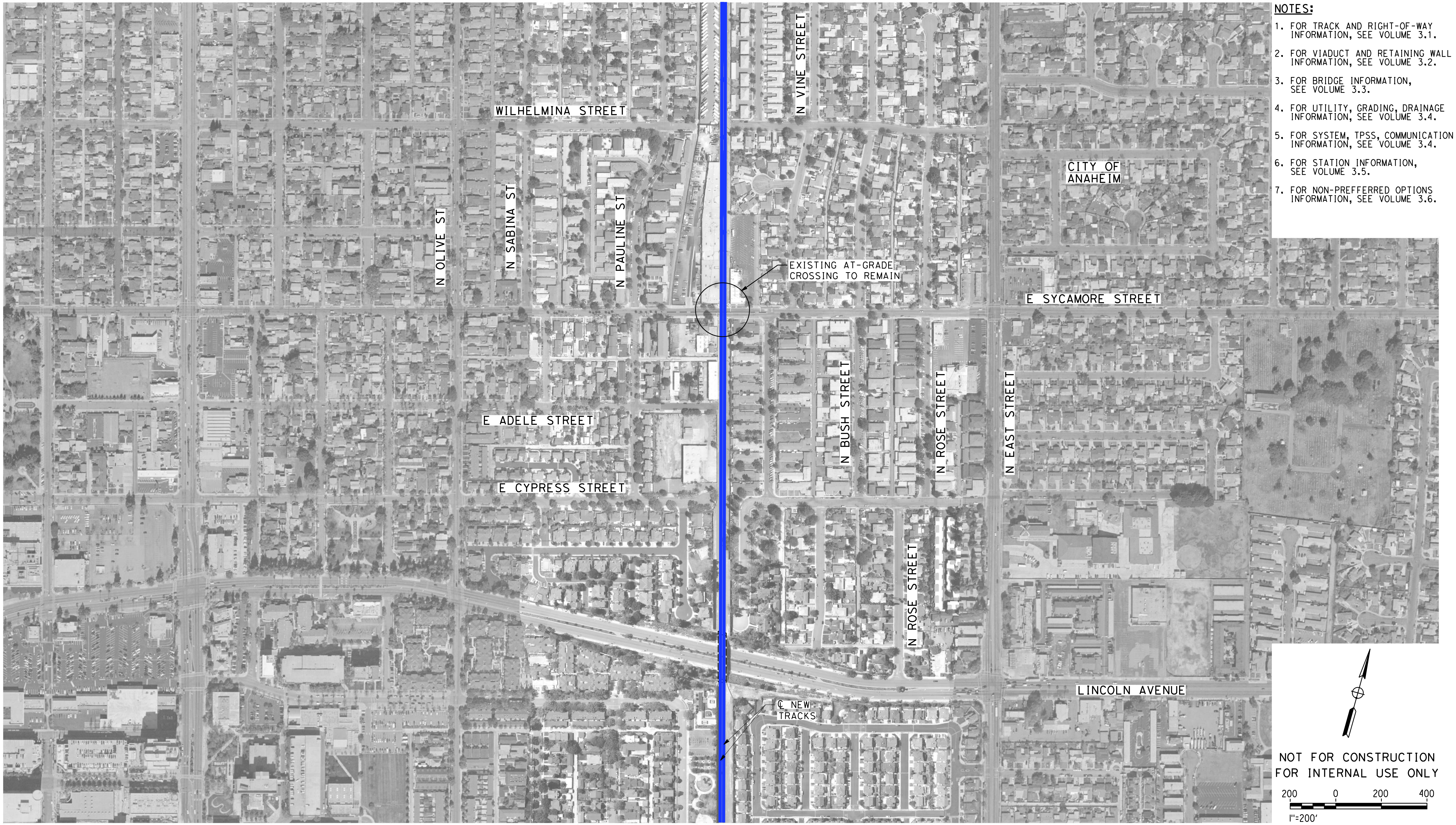
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0451
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.
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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 02/28/25

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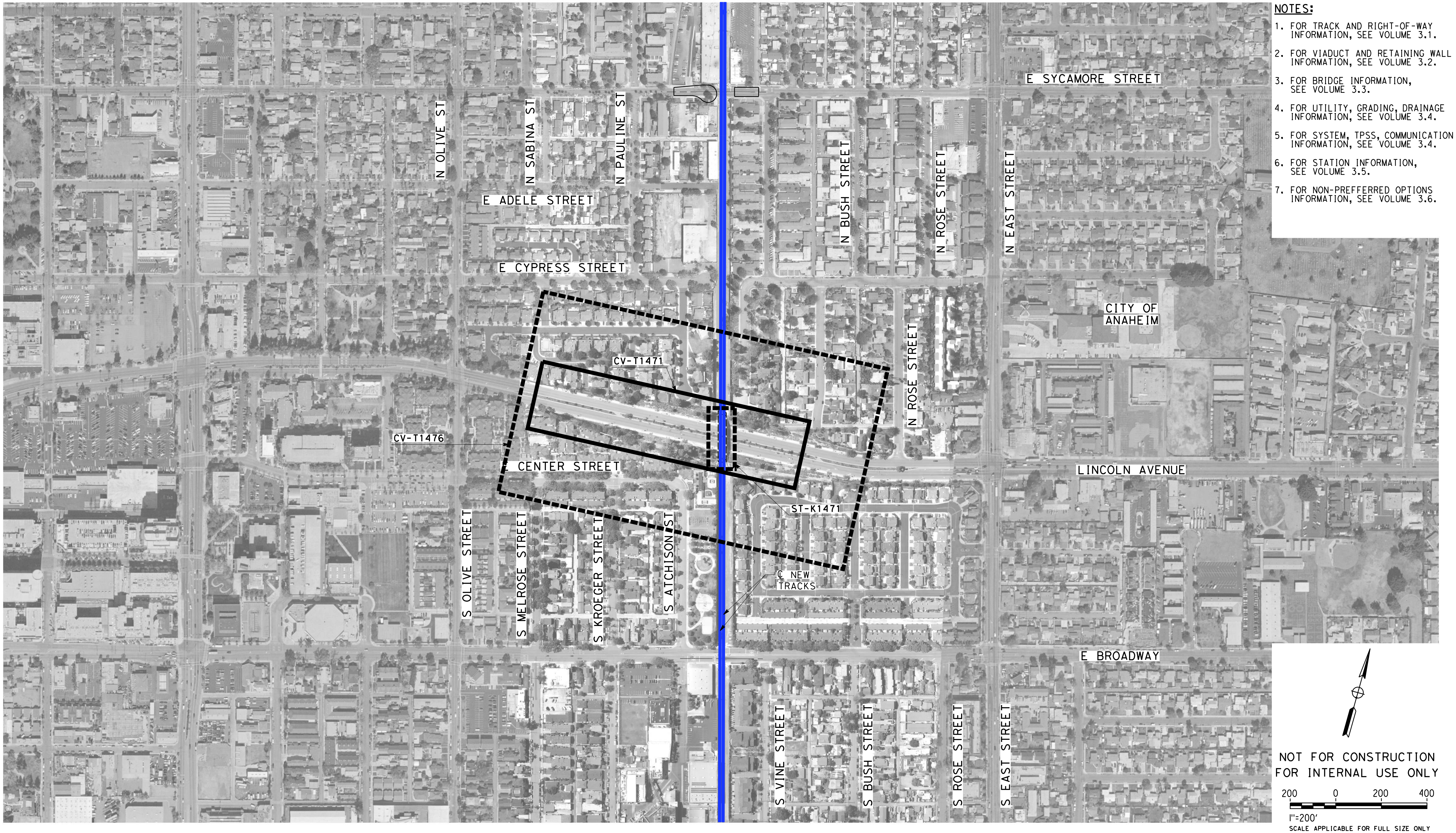
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0461
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.
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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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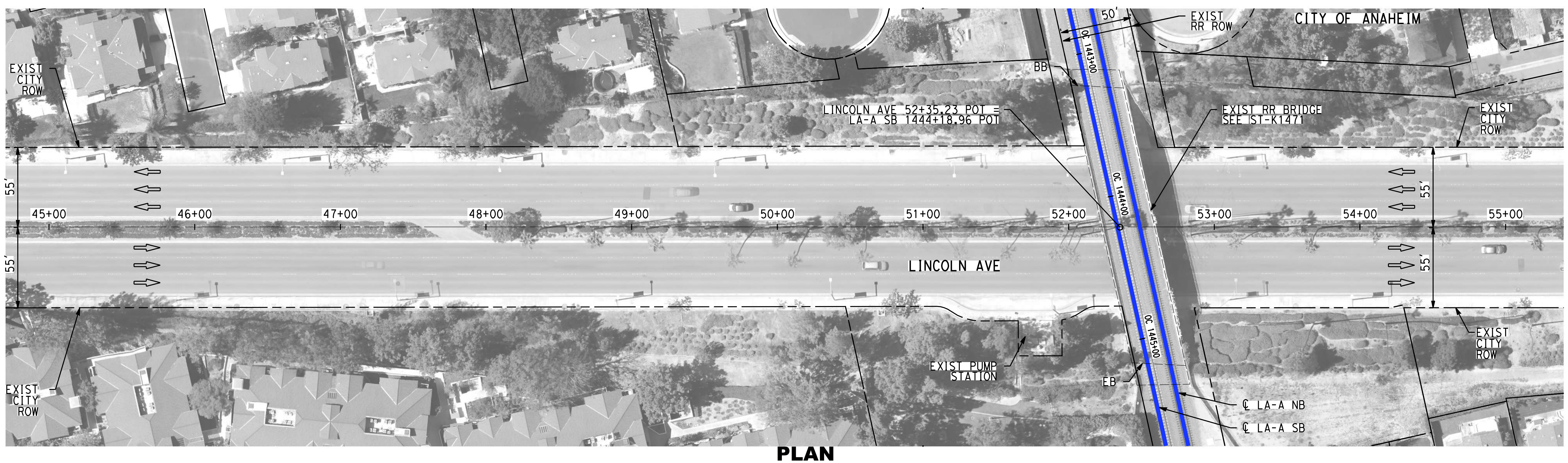
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0471
SCALE
1" = 200'
SHEET NO.



PLAN

NOTES:

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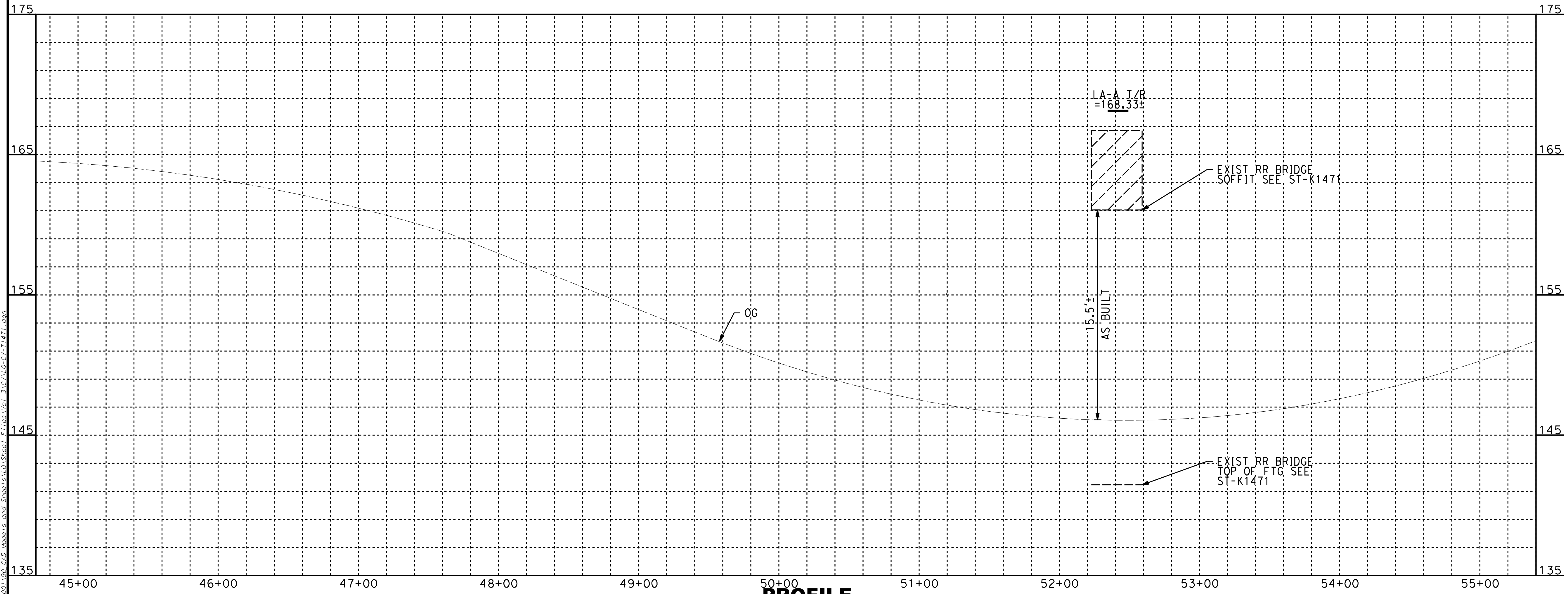
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

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

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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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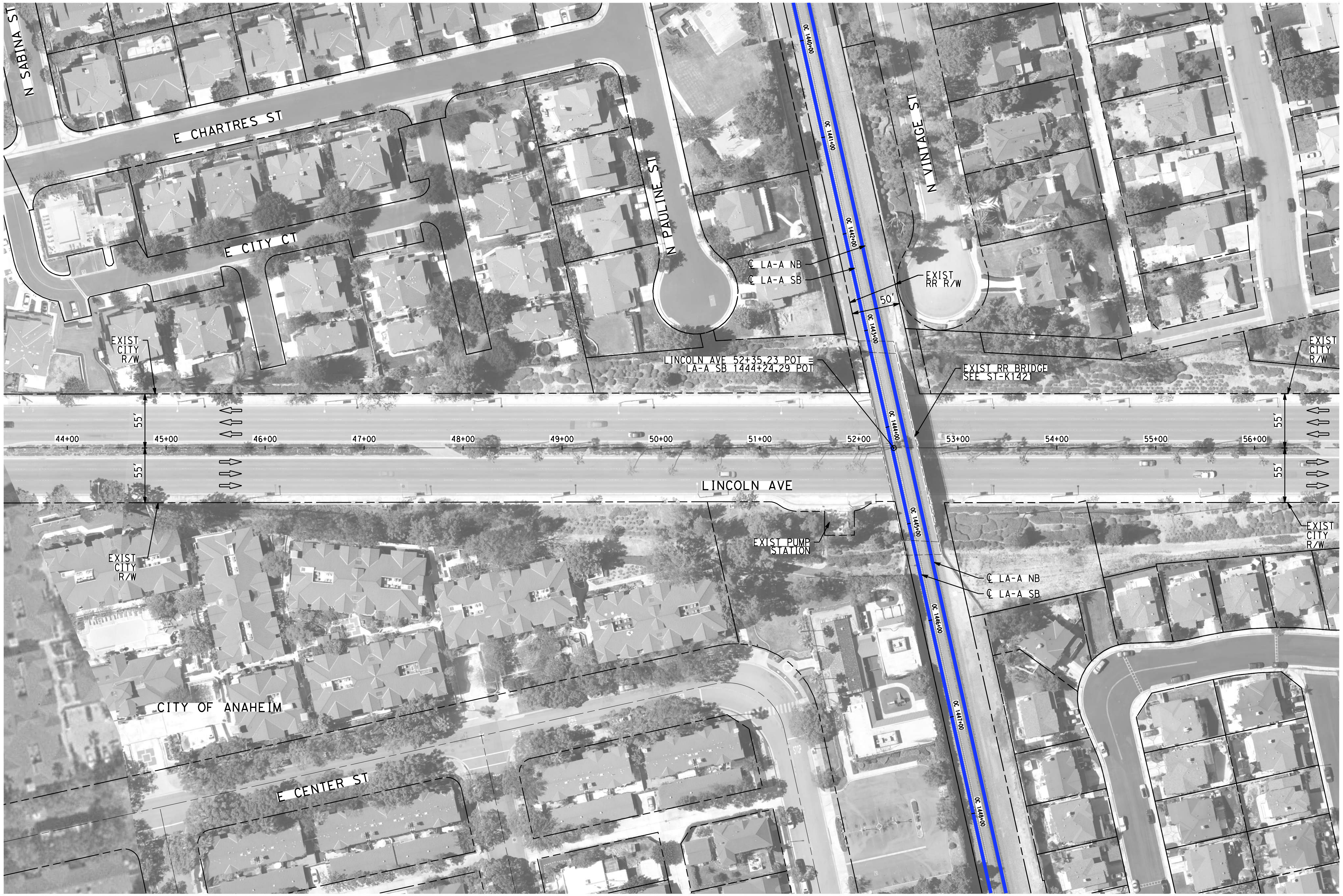
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1471
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

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

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1476
SCALE
AS SHOWN
SHEET NO.

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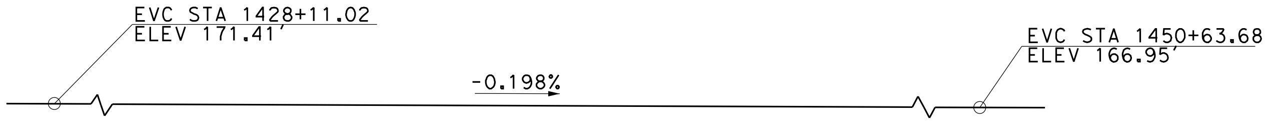
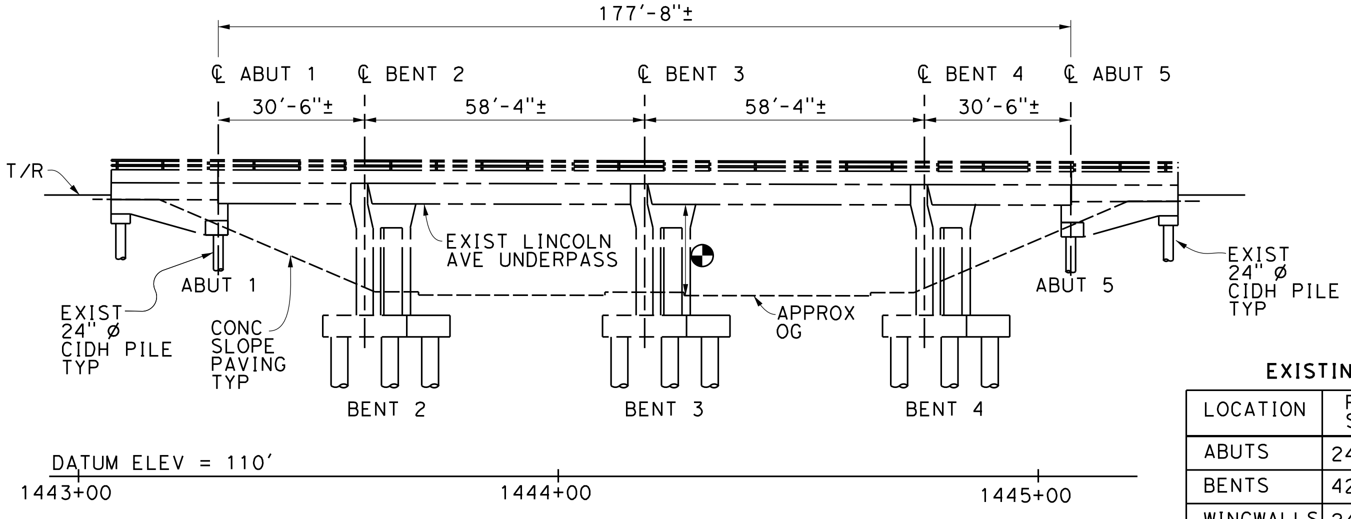


TOP OF RAIL PROFILE (LA-A SB)

NO SCALE

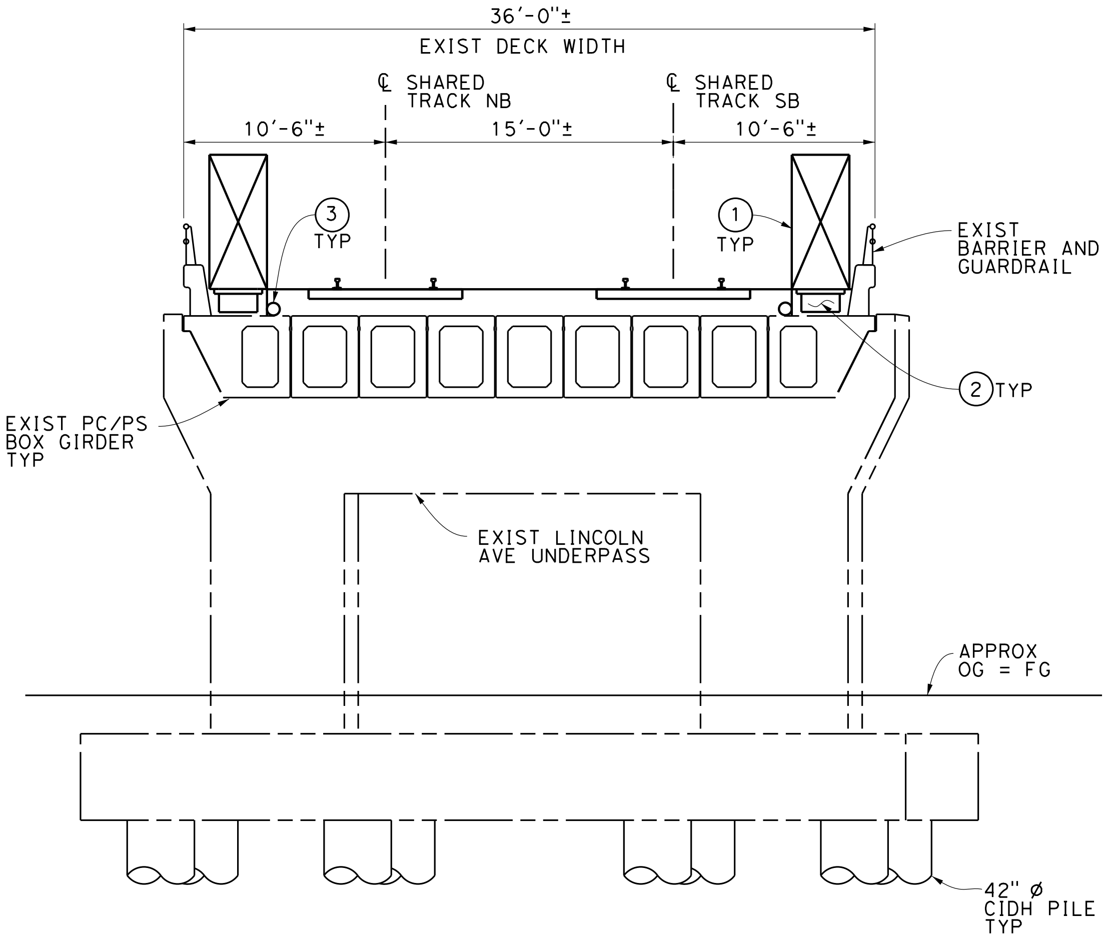


ELEVATION

1"=20'-0"

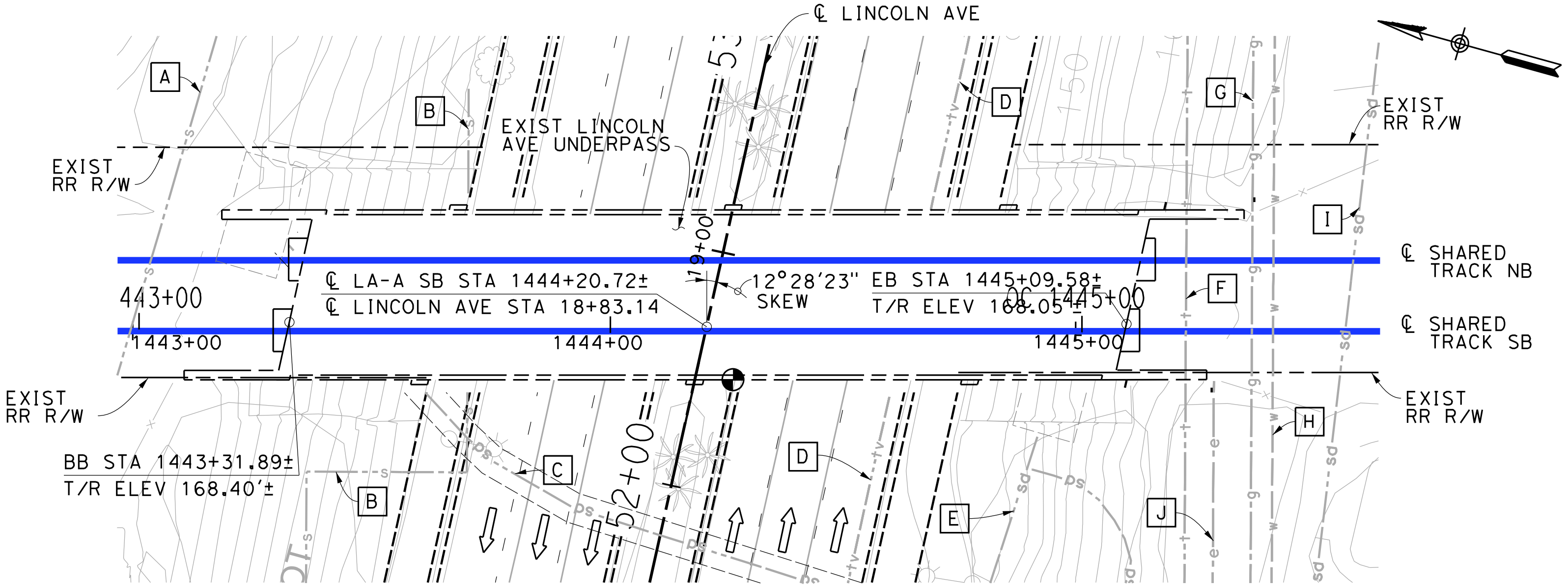
EXISTING FOUNDATION DATA

LOCATION	PILE SIZE	SPECIFIED TIP ELEV	ULT LOAD CAPACITY
ABUTS	24" ø	115' ±	325 Kips
BENTS	42" ø	113' ±	500 Kips
WINGWALLS	24" ø	126' ±	200 Kips



TYPICAL SECTION

1"=5'-0"



PLAN

1"=20'-0"

LEGEND:

●	INDICATES EXISTING POINT OF MINIMUM VERTICAL CLEARANCE (15'-6"±)
⇦	INDICATES DIRECTION OF TRAFFIC
— — —	INDICATES EXISTING

EXISTING UTILITIES:

A	EXIST 10" VCP SEWER, CITY OF ANAHEIM (PROTECT IN PLACE)
B	EXIST 8" VCP SEWER, CITY OF ANAHEIM (PROTECT IN PLACE)
C	EXIST 18" STORM DRAIN, CITY OF ANAHEIM (PROTECT IN PLACE)
D	EXIST CABLE TELEVISION LINE, CITY OF ANAHEIM (PROTECT IN PLACE)
E	EXIST 18" STORM DRAIN, CITY OF ANAHEIM (PROTECT IN PLACE)
F	EXIST TELEPHONE LINE, CITY OF ANAHEIM (PROTECT IN PLACE)
G	EXIST 6" GAS, CITY OF ANAHEIM (PROTECT IN PLACE)
H	EXIST 4" WATER, CITY OF ANAHEIM (PROTECT IN PLACE)
I	EXIST 78" RCP STORM DRAIN, CITY OF ANAHEIM (PROTECT IN PLACE)
J	EXIST ELECTRICAL LINE, CITY OF ANAHEIM (PROTECT IN PLACE)

NOTES:

① WALKWAY (3'-0" WIDE)
② NEW UTILITY DUCT
③ DRAINAGE PIPE

TRAFFIC (PER DAY):

ADT_{2009}: 23,000
ADT_{2030}: NOT AVAILABLE AT THIS TIME
TRAIN VOLUME$_{2030}$: 118 FREIGHT
28 METROLINK
40 AMTRAK

5 0 5 10
1"=5'
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

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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 - LINCOLN AVE
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1471
SCALE AS SHOWN
SHEET NO.

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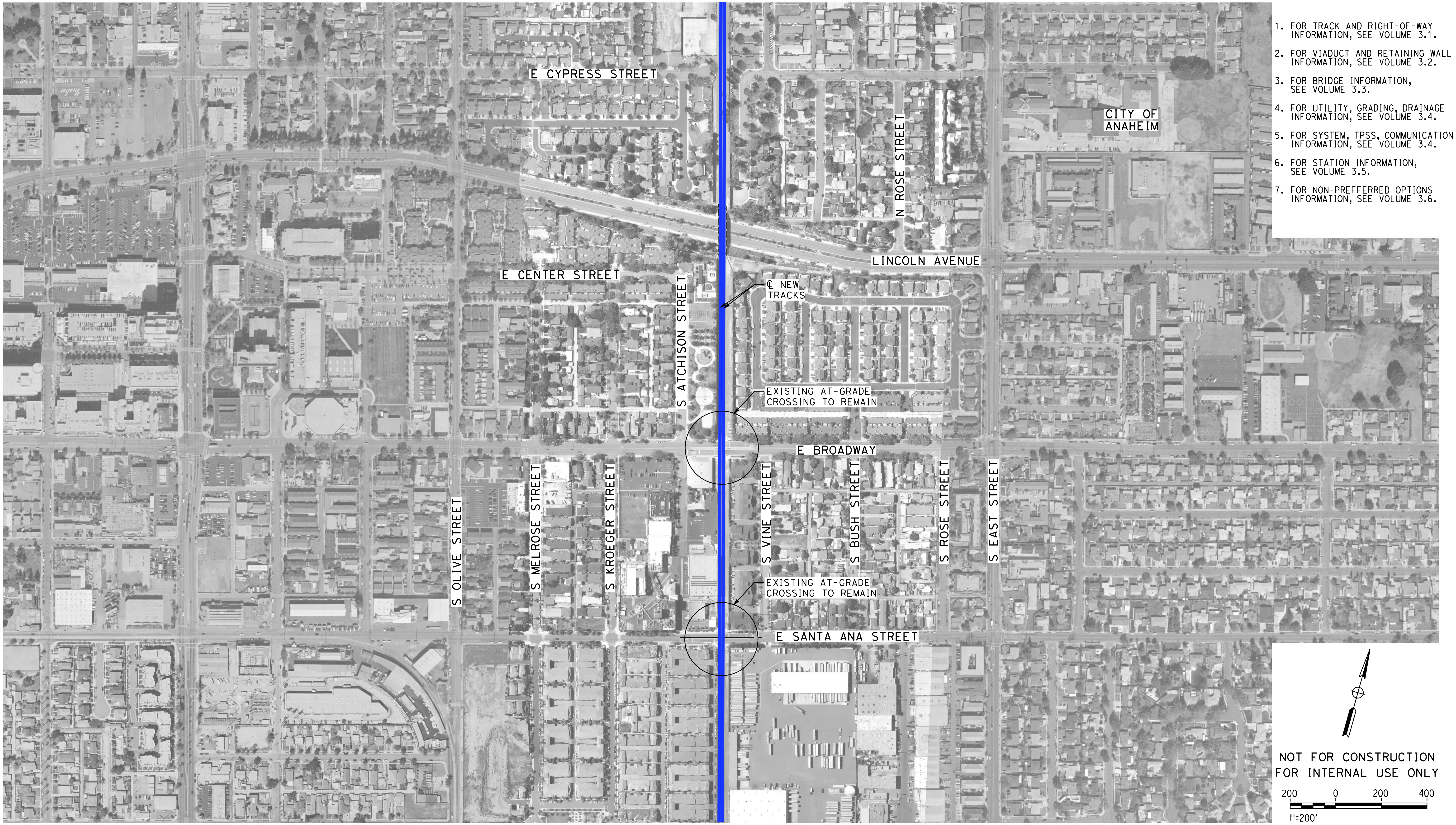
ChiangM



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 02/28/25

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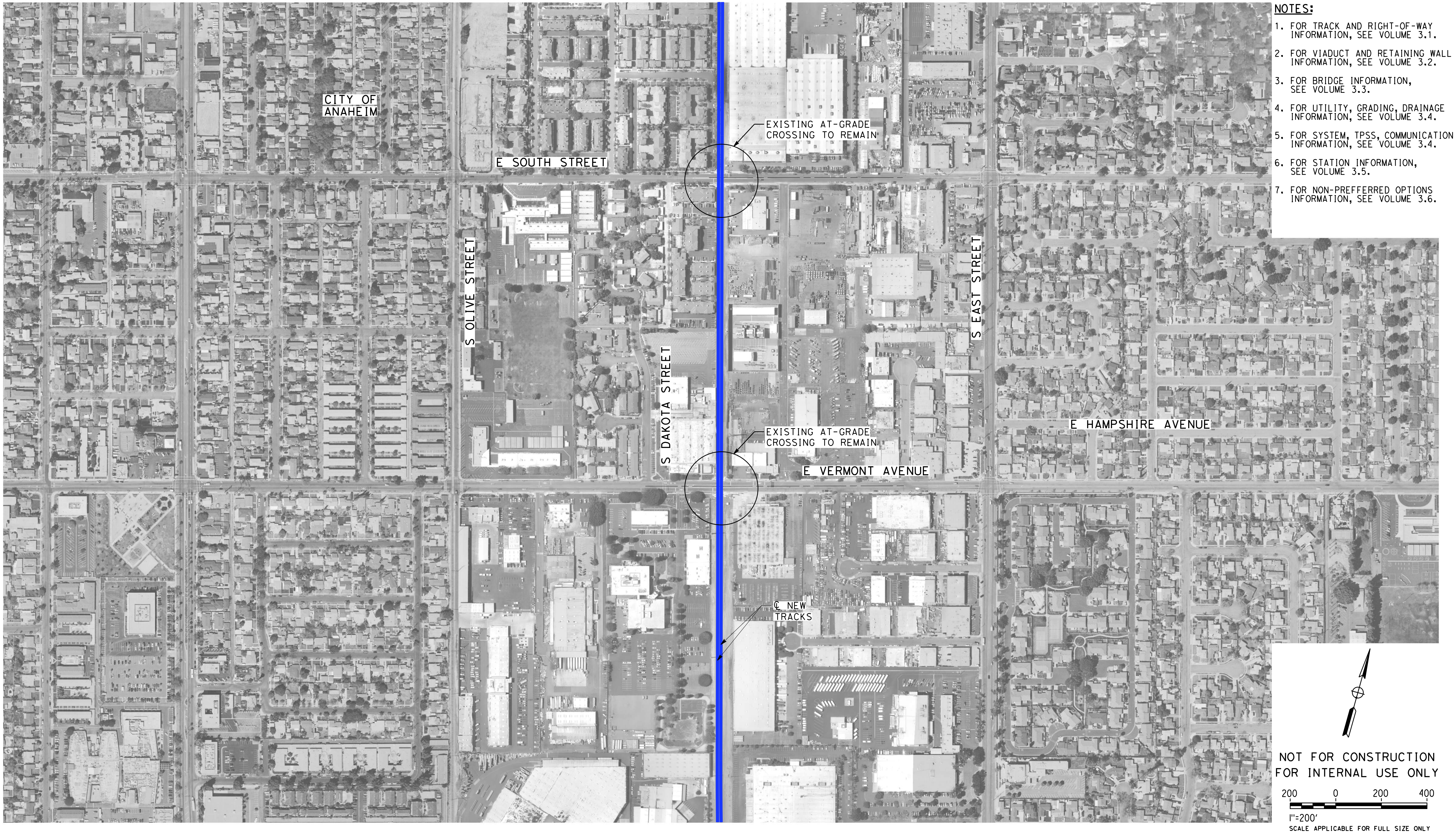
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T0491
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.
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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
08/29/25 02/28/25

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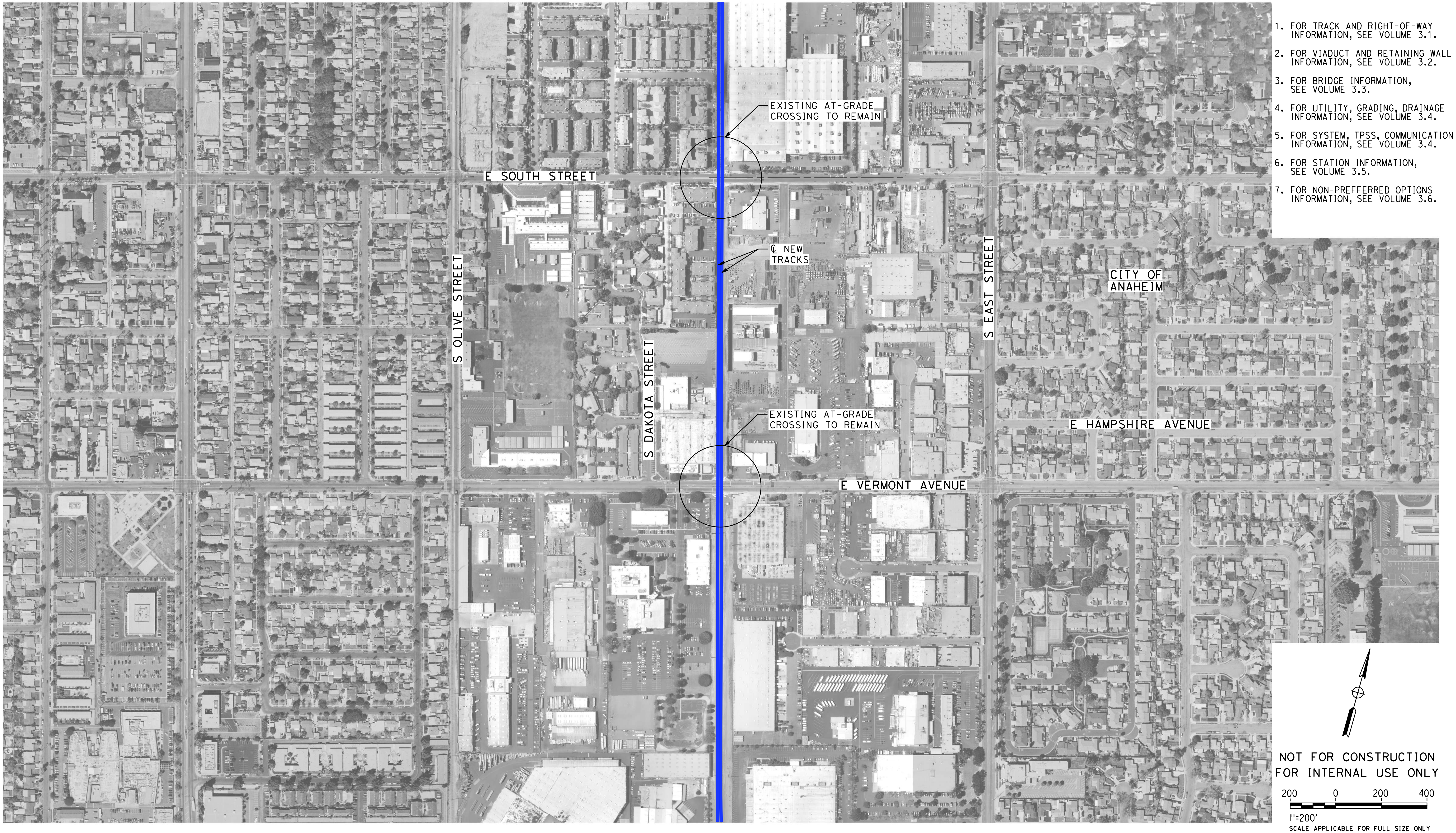
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0501
SCALE
1" = 200'
SHEET NO.

$PLOT$



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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CONSTRUCTION**

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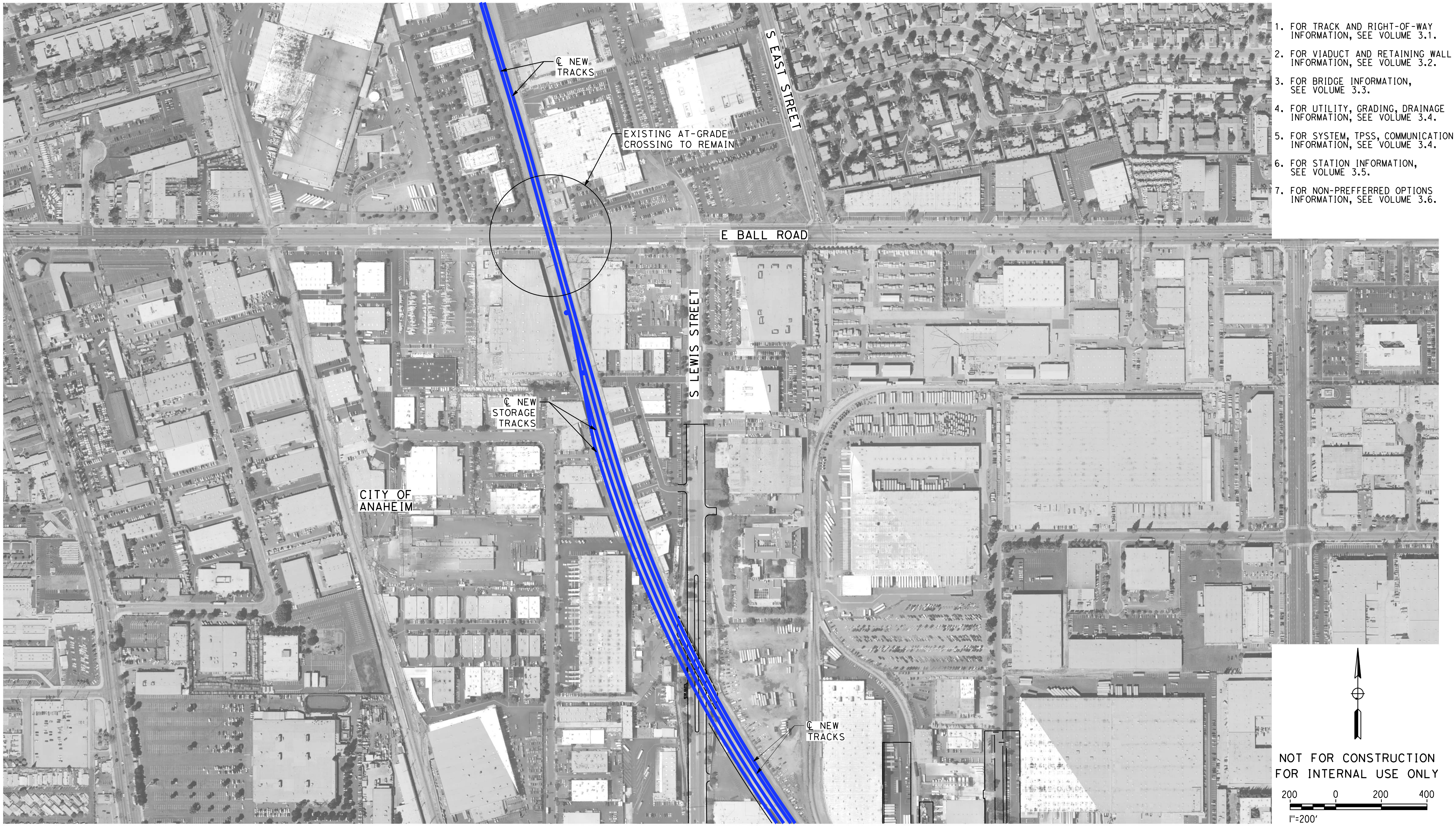
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0511
SCALE
1" = 200'
SHEET NO.

$PLOT$



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

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 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 - E BALL RD
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0521
SCALE
1" = 200'
SHEET NO.

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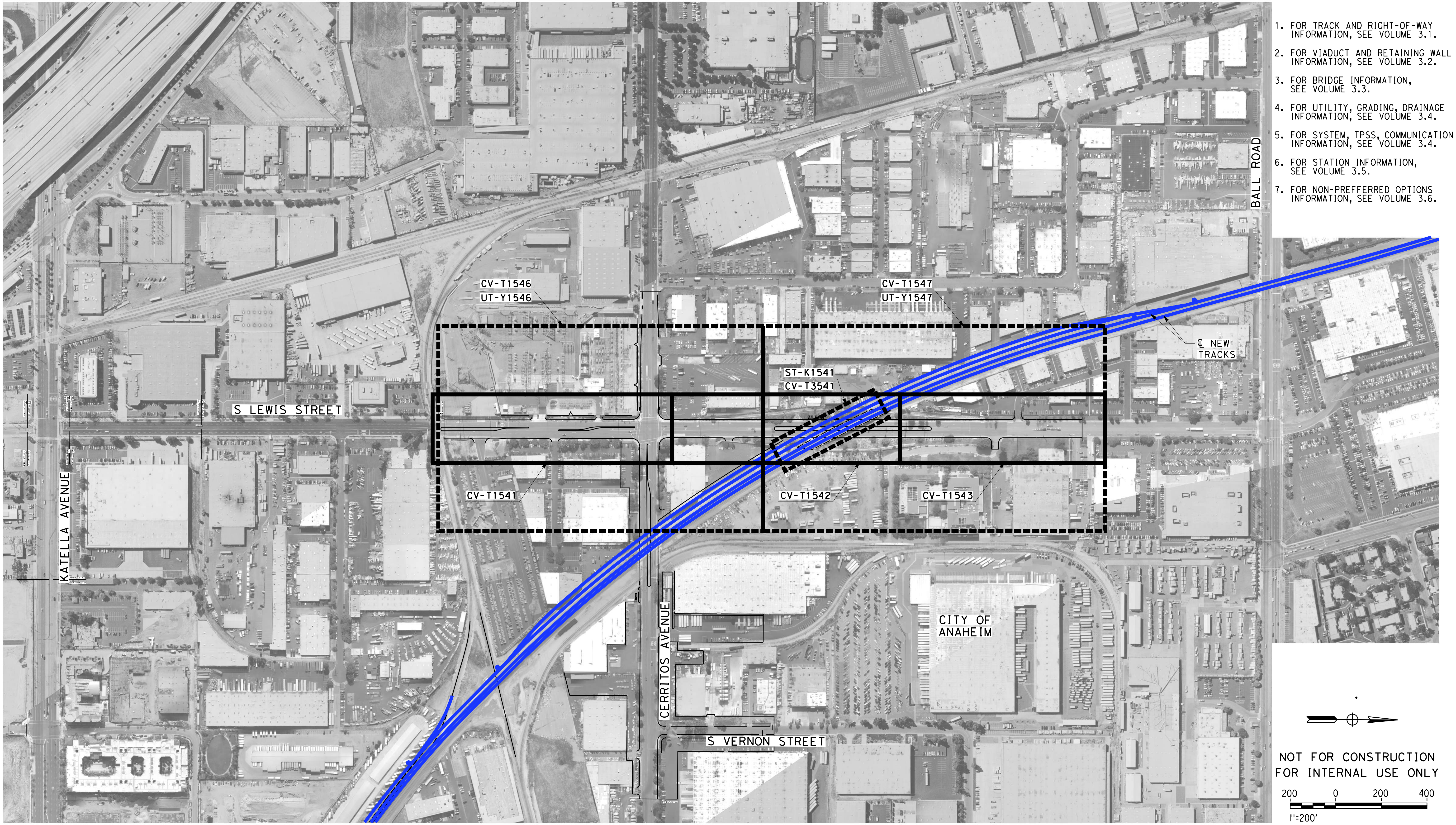

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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

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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

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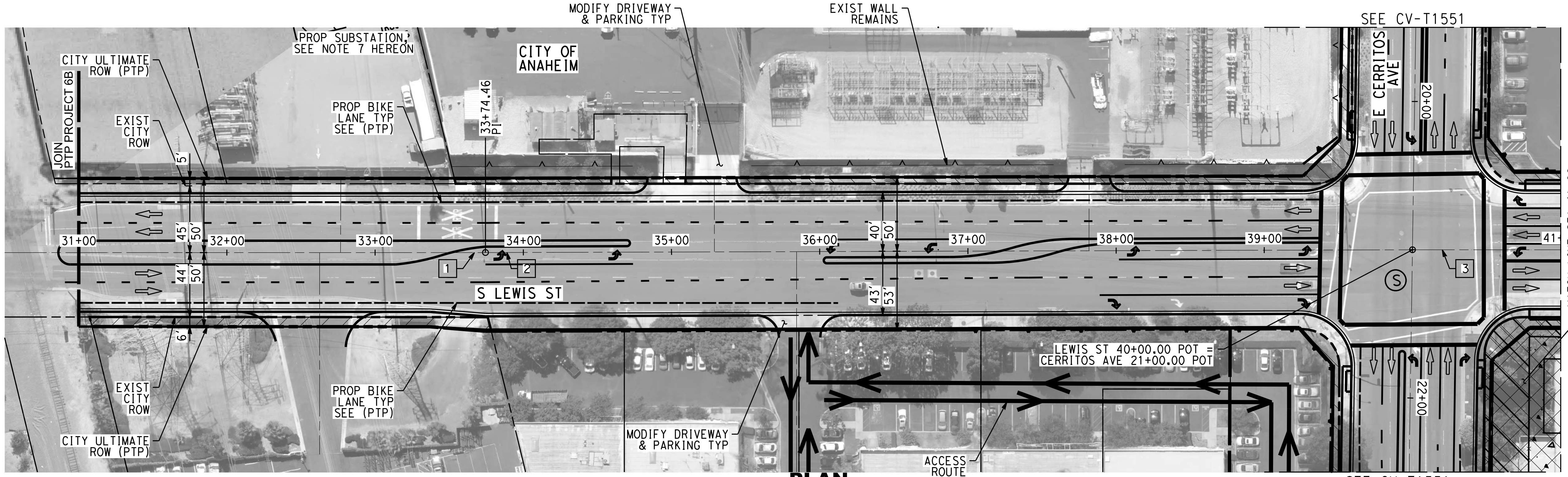
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T0541
SCALE 1" = 200'
SHEET NO.



PLAN

PROP PROPERTY TAKE (CONSTRUCTION STAGING AND) (POTENTIAL FACILITY BUILDING) SEE NOTE 2 HEREON

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

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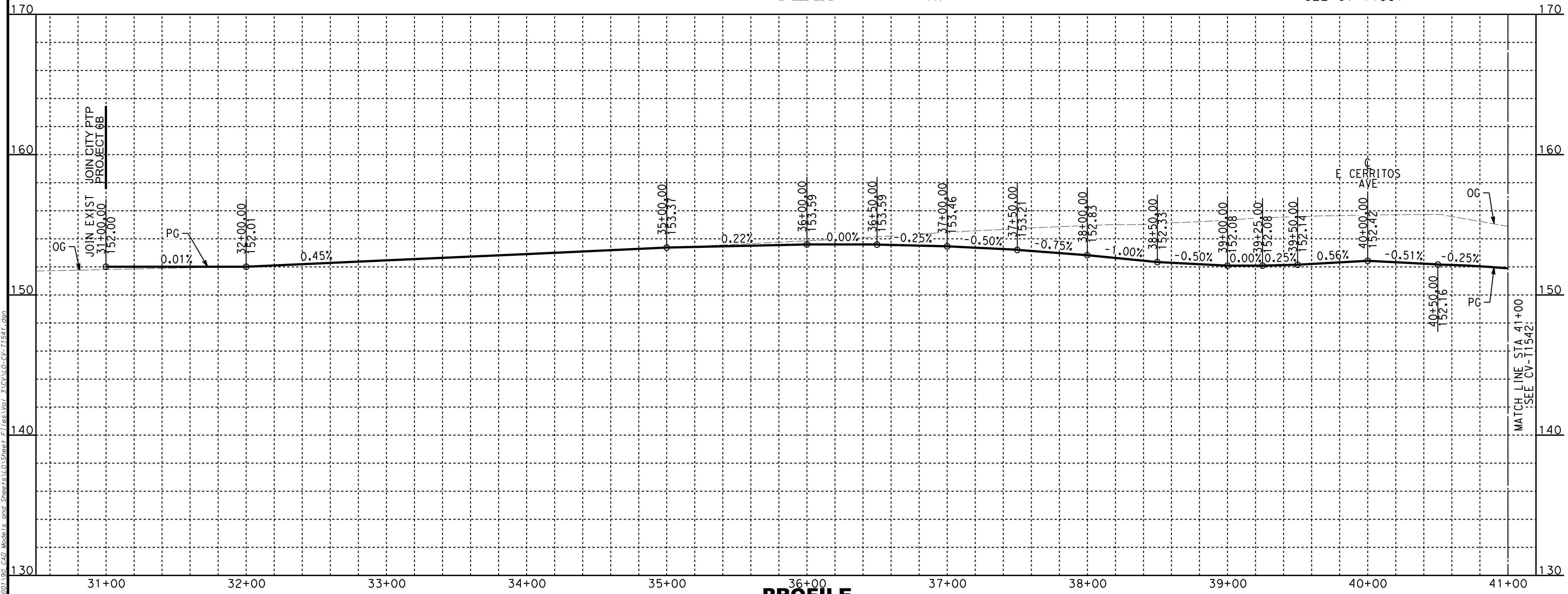
3	N00°17'17"W	1700.00'



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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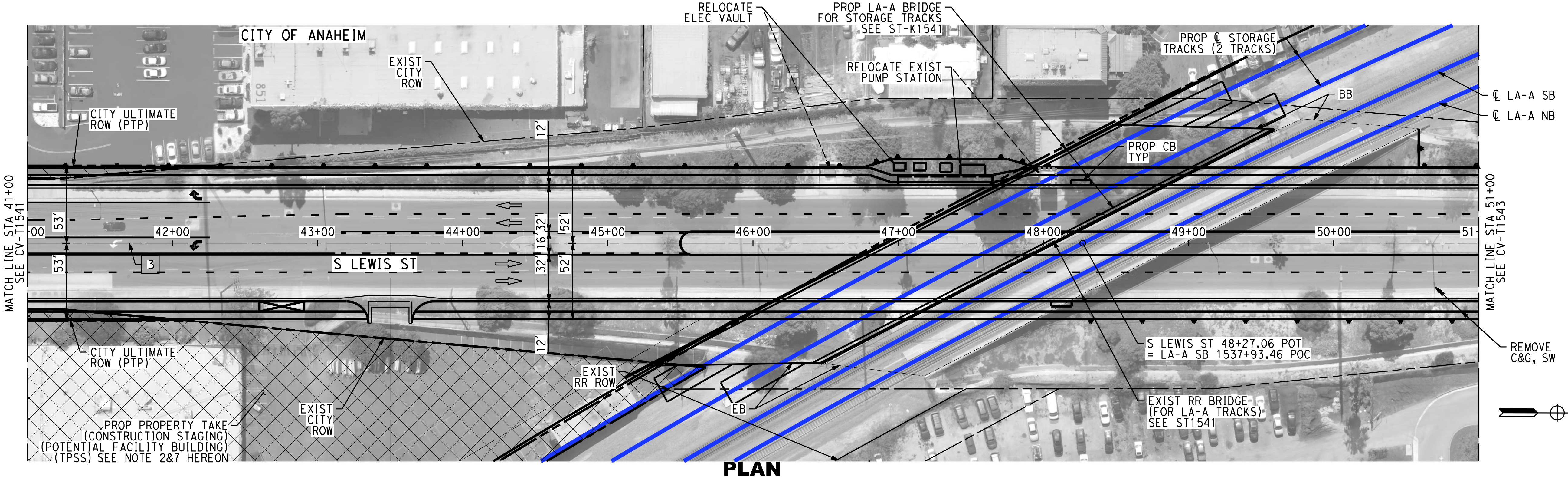
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

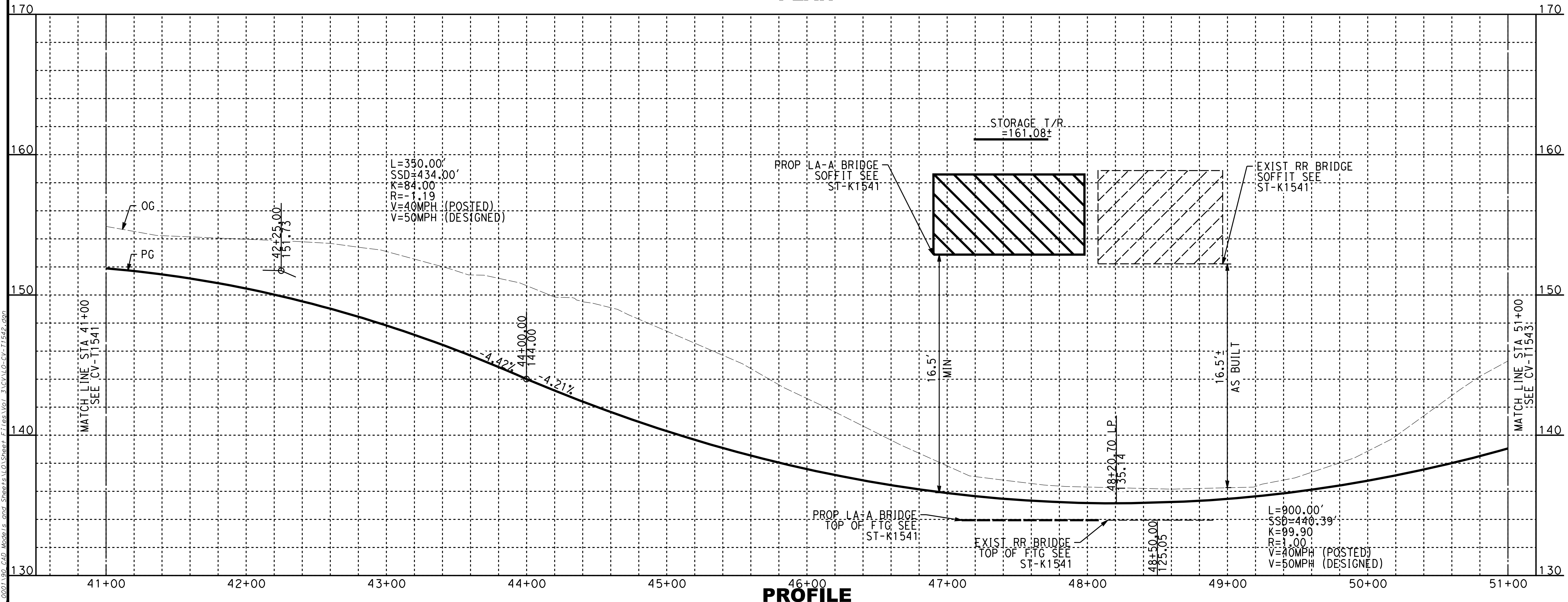
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
PLAN AND PROFILE - SHEET 1 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1541
SCALE
AS SHOWN
SHEET NO.


RELOCATE ELEC VAULT
PROP LA-A BRIDGE FOR STORAGE TRACKS SEE ST-K1541
PROP ℄ STORAGE TRACKS (2 TRACKS)
CITY OF ANAHEIM
EXIST CITY ROW
RELOCATE EXIST PUMP STATION
℄ LA-A SB
℄ LA-A NB
BB
CITY ULTIMATE ROW (PTP)
PROP CB TYP
12'
53'
53'
16'
32'
32'
52'
52'
42+00
43+00
44+00
45+00
46+00
47+00
48+00
49+00
50+00
51+
3
S LEWIS ST
MATCH LINE STA 41+00 SEE CV-T1541
MATCH LINE STA 51+00 SEE CV-T1543
CITY ULTIMATE ROW (PTP)
EXIST RR ROW
EB
S LEWIS ST 48+27.06 POT = LA-A SB 1537+93.46 POC
REMOVE C&G, SW
EXIST RR BRIDGE (FOR LA-A TRACKS) SEE ST1541
EXIST CITY ROW
PROP PROPERTY TAKE (CONSTRUCTION STAGING) (POTENTIAL FACILITY BUILDING) (TPSS) SEE NOTE 2&7 HEREON

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	N00°17'07"W	1700.00'

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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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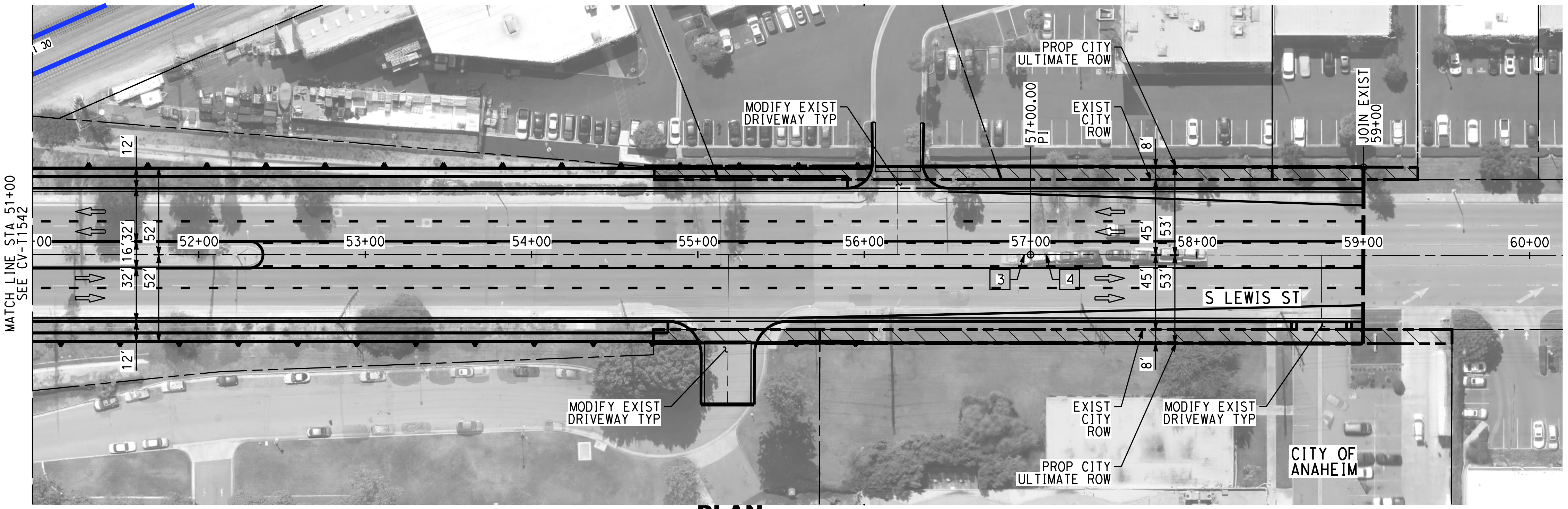
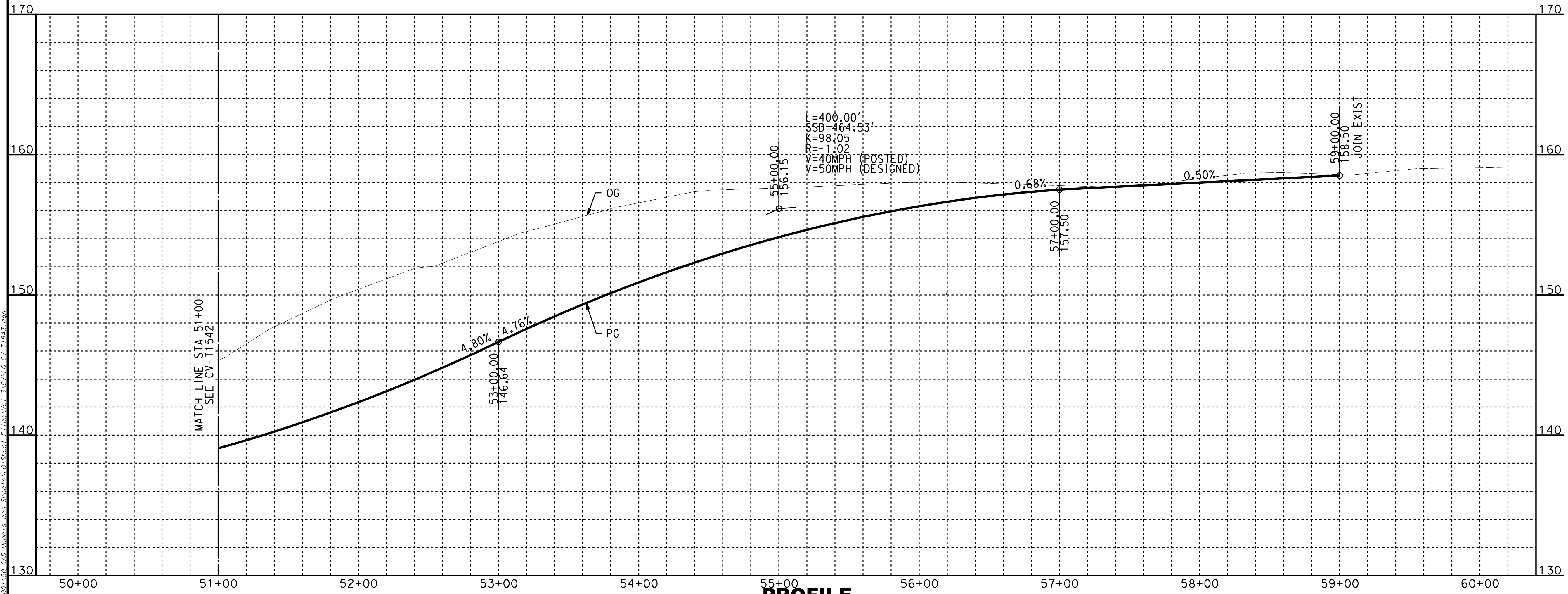
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1542
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

LINE DATA

NO	BEARING	DISTANCE
3	N00°17'17"W	1700.00'
4	N00°10'43"W	500.00'

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

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USE ONLY**

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CONSTRUCTION**

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1543
SCALE
AS SHOWN
SHEET NO.

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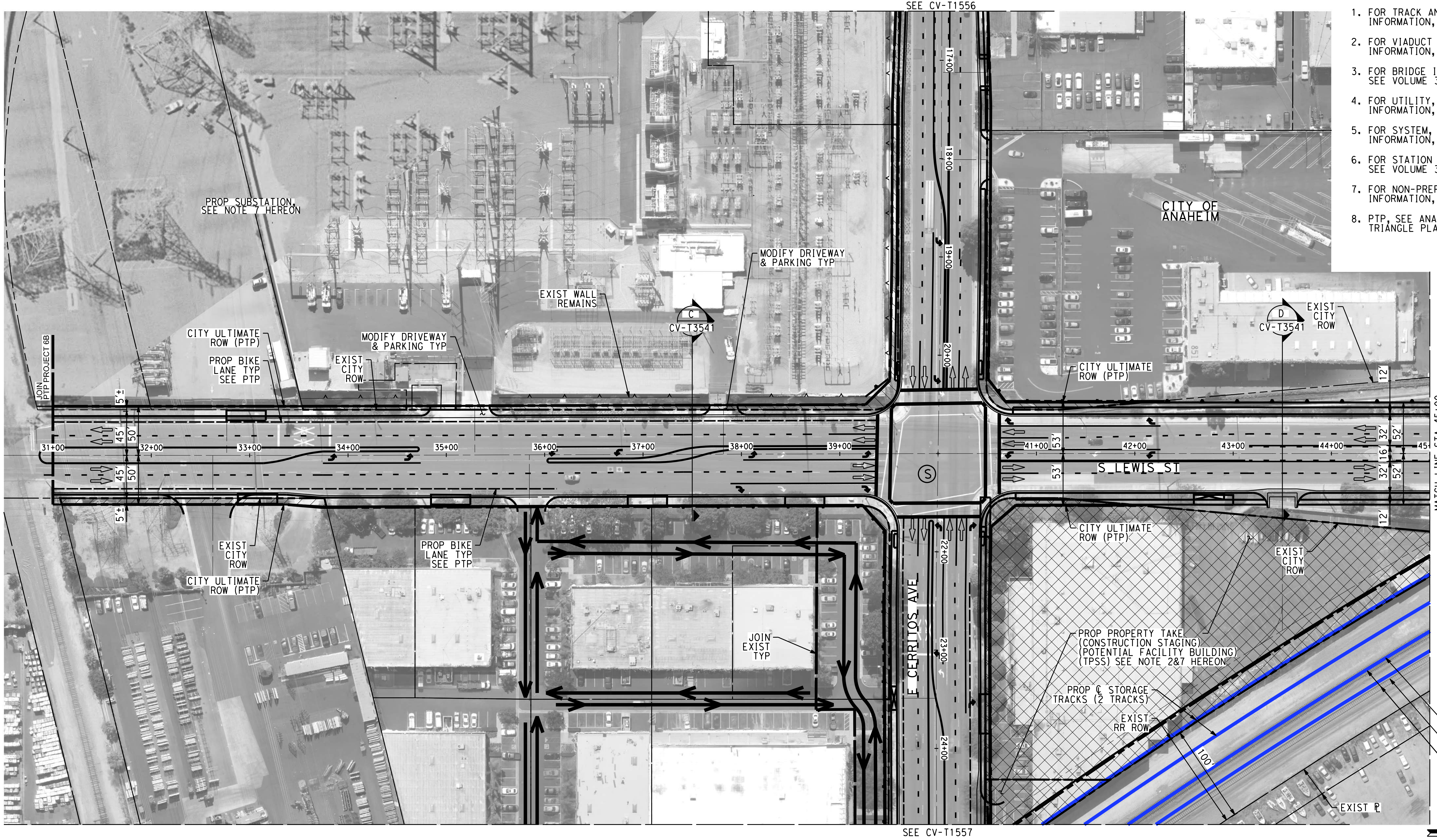

NOTES:

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.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

ChiangM 2/6/2025 1:01:26 PM CHSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

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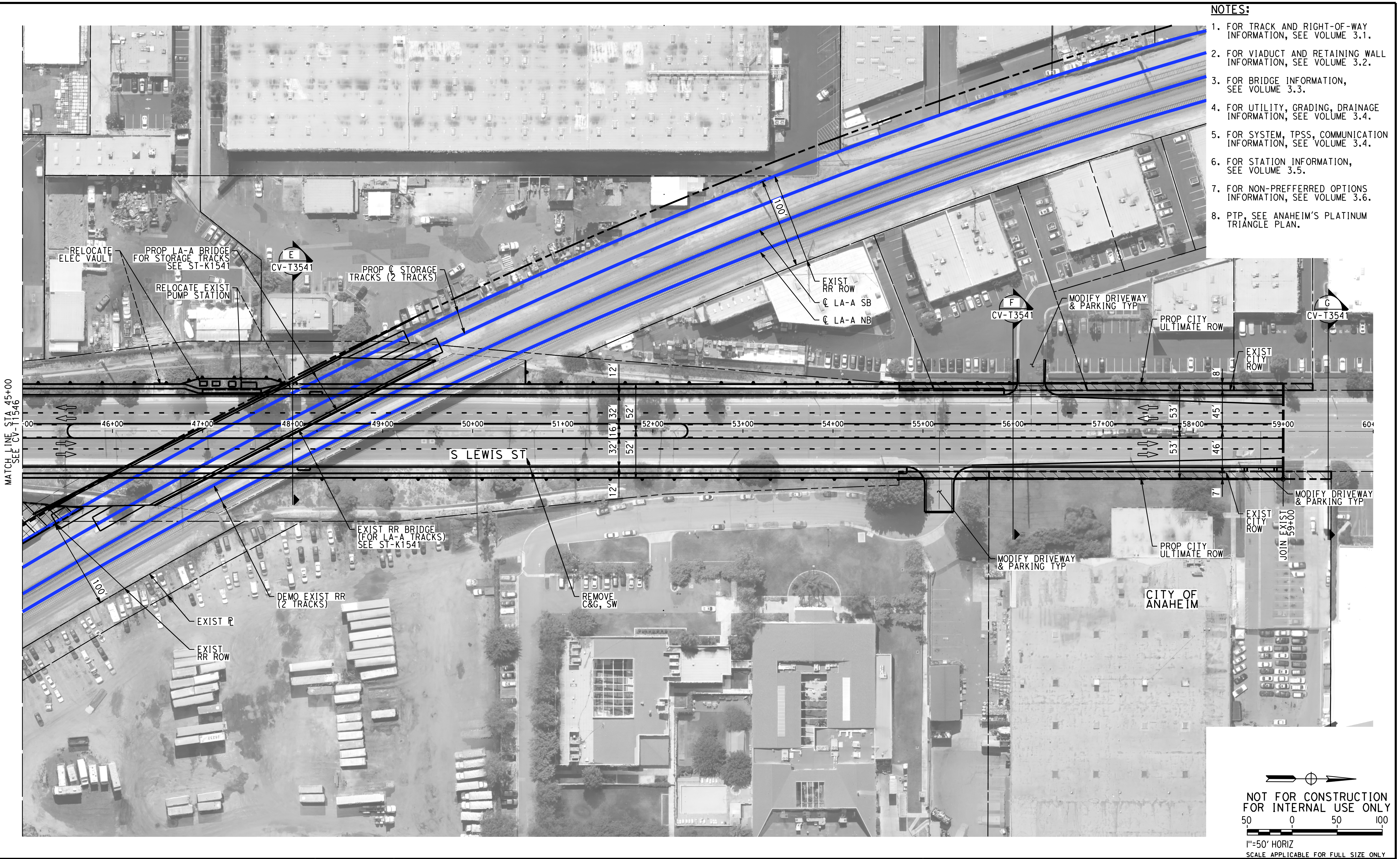
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1546
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. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

ChiangM 2/18/2025 4:12:08 PM CHSR_PDF_half_black.plt
I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\CV\LO-CV-T1547.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD SUBMITTAL FOR INTERNAL USE ONLY

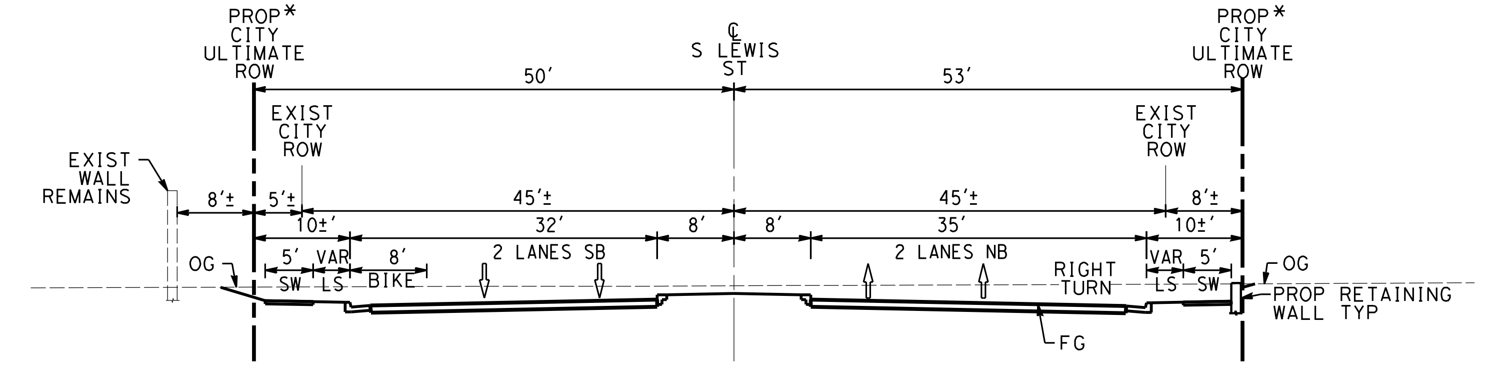
NOT FOR CONSTRUCTION

stv

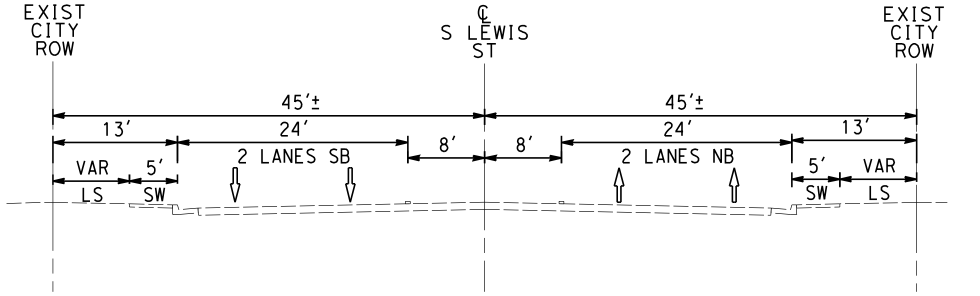
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1547
SCALE
AS SHOWN
SHEET NO.



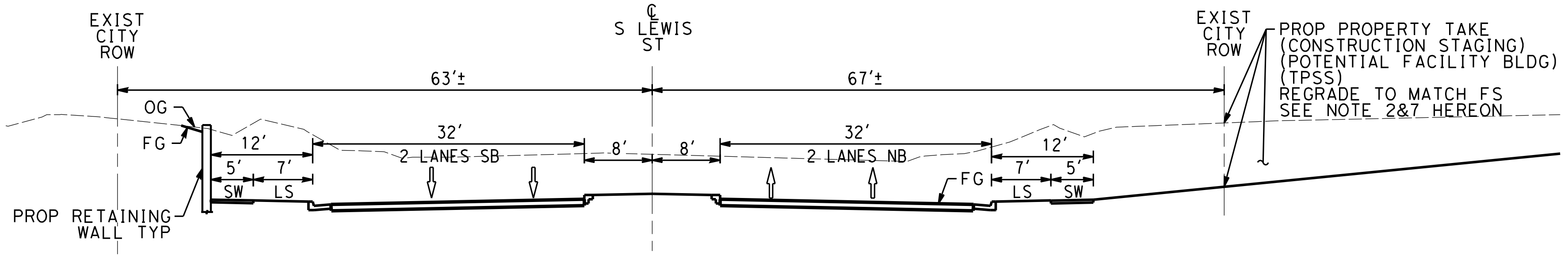
PROP CONDITION
STA 37+50
CV-T1546 AS SHOWN
C
-



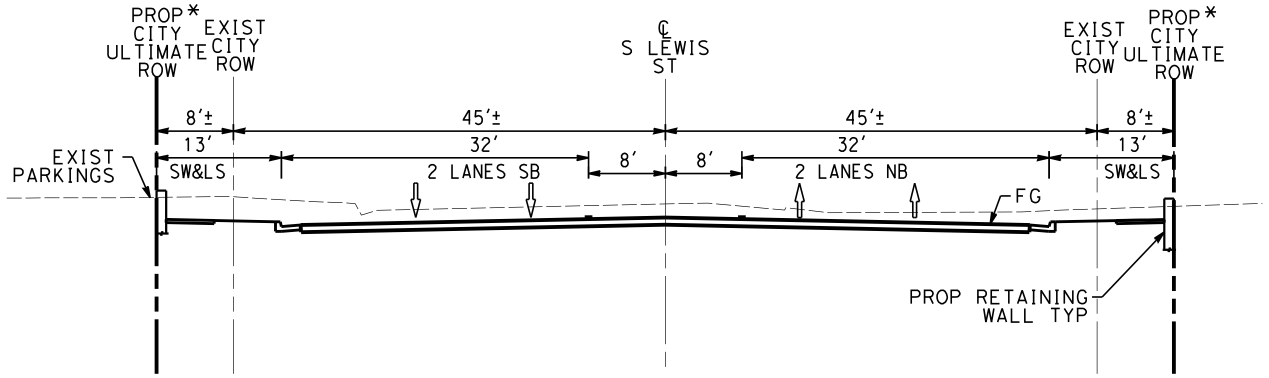
EXIST CONDITION
STA 59+50
CV-T1547 AS SHOWN
G
-

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.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

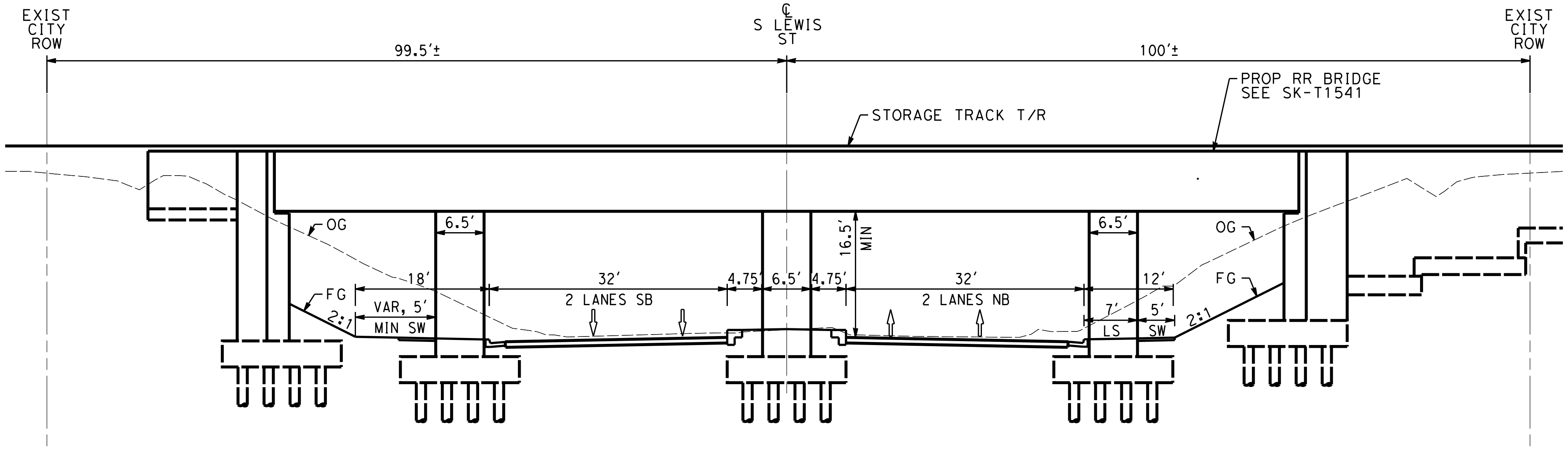


PROP CONDITION
STA 43+50
CV-T1546 AS SHOWN
D
-



* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 6B

PROP CONDITION
STA 56+00
CV-T1547 AS SHOWN
F
-



PROP CONDITION
STA 48+00
CV-T1547 AS SHOWN
E
-

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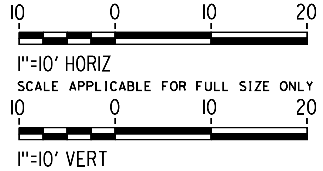

1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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 - S LEWIS ST
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3541
SCALE
AS SHOWN
SHEET NO.

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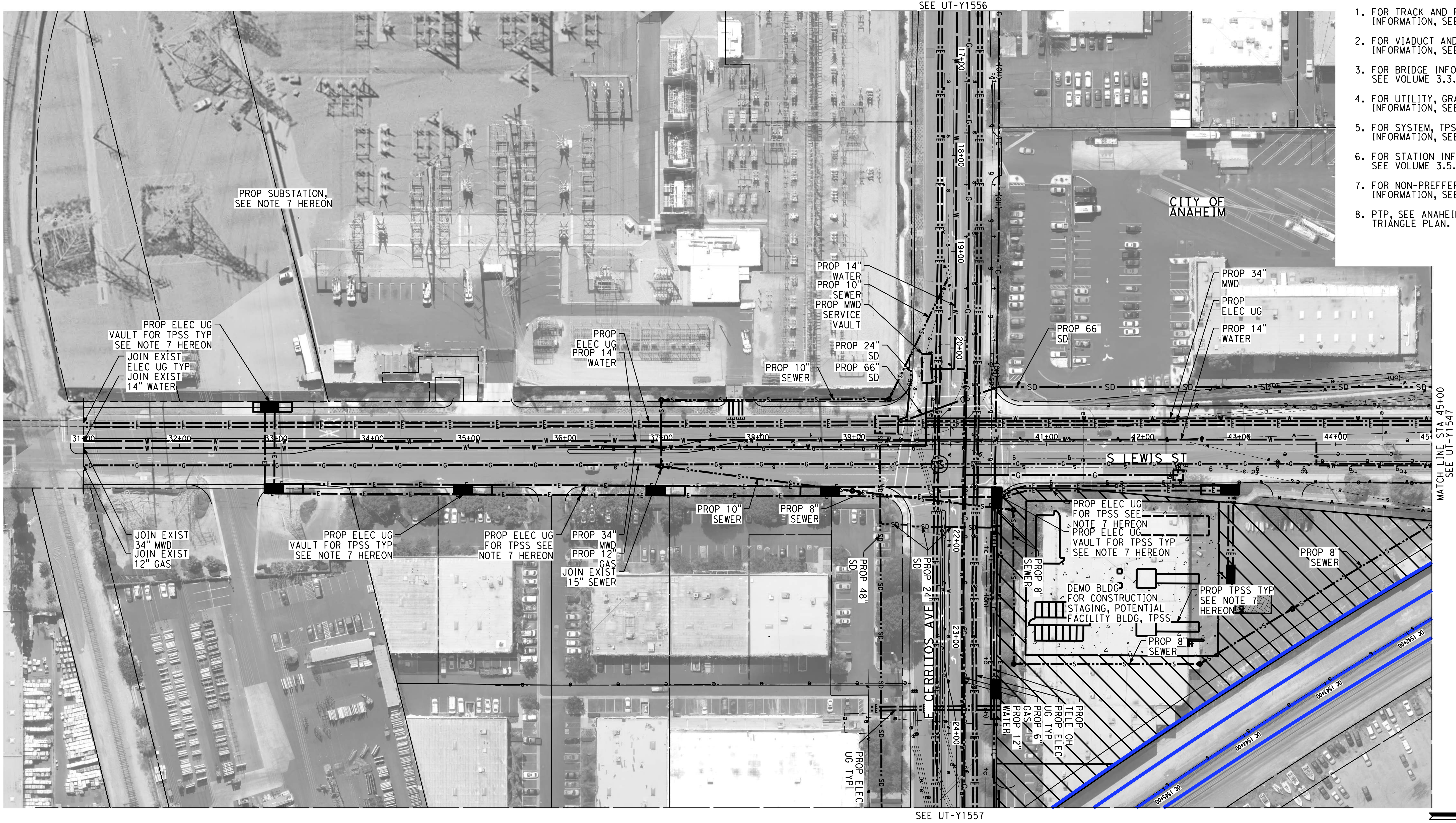

NOTES:

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.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

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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 - S LEWIS ST
UTILITY PLAN - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. UT-Y1546
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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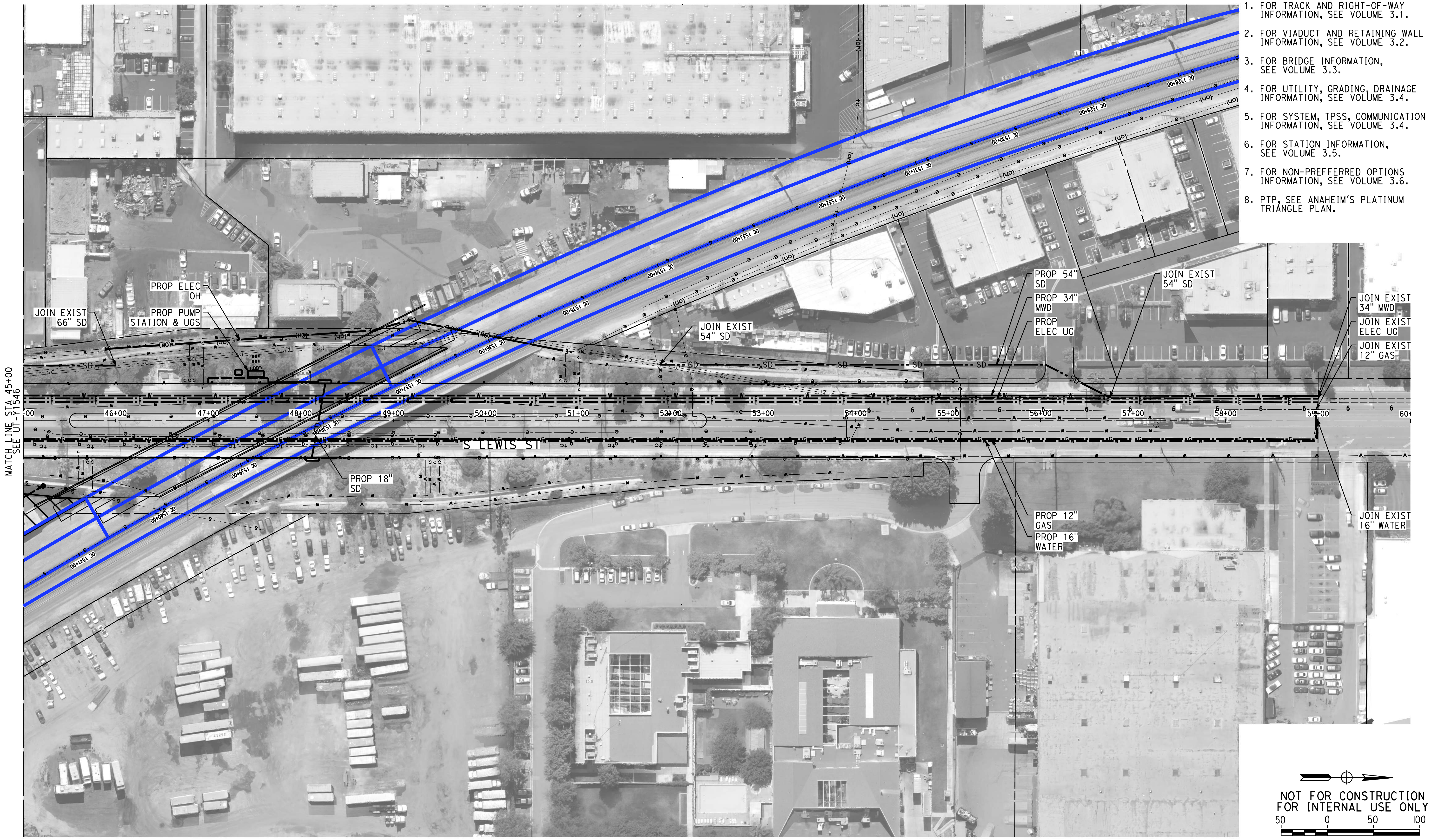
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



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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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 - S LEWIS ST
UTILITY PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1547
SCALE
AS SHOWN
SHEET NO.

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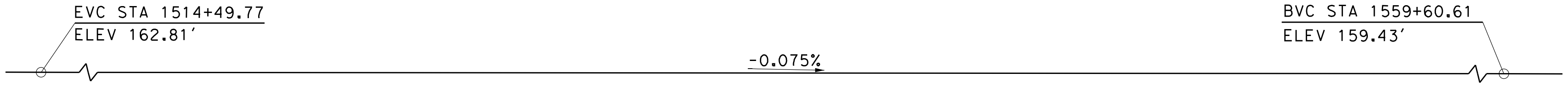
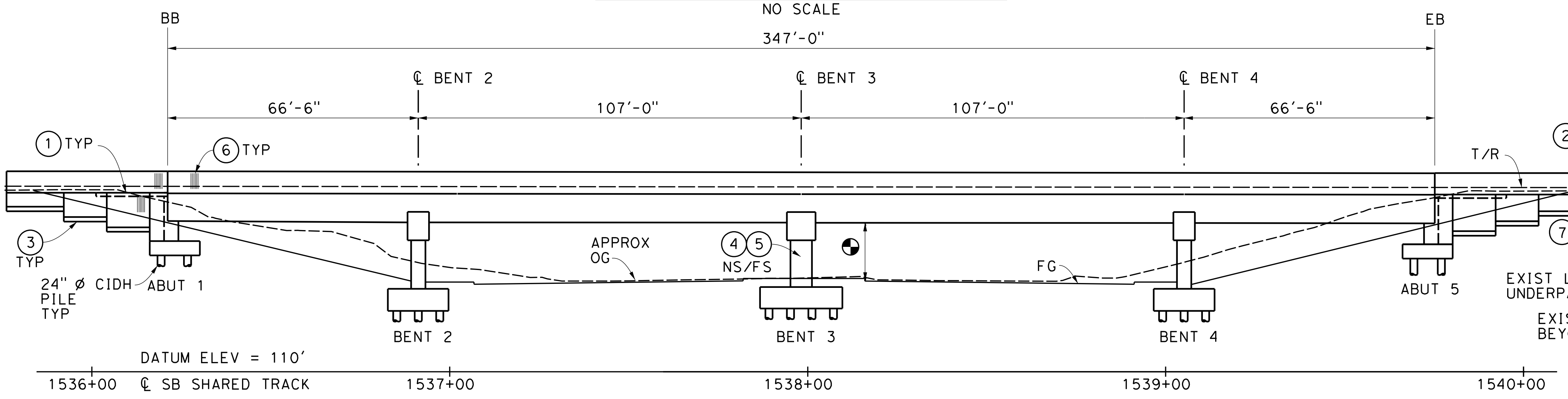


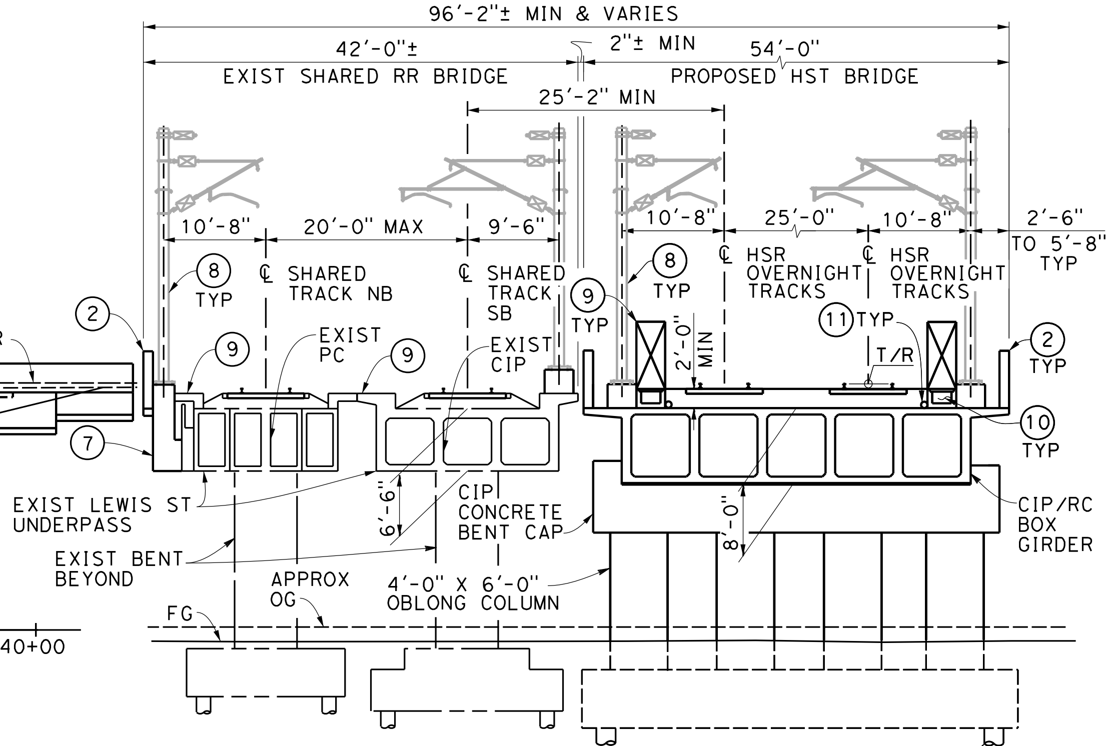
PROFILE GRADE (LA-A SB)

NO SCALE



ELEVATION

1"= 20'-0"
(LEFT SHIFTED TO FIT SHEET)

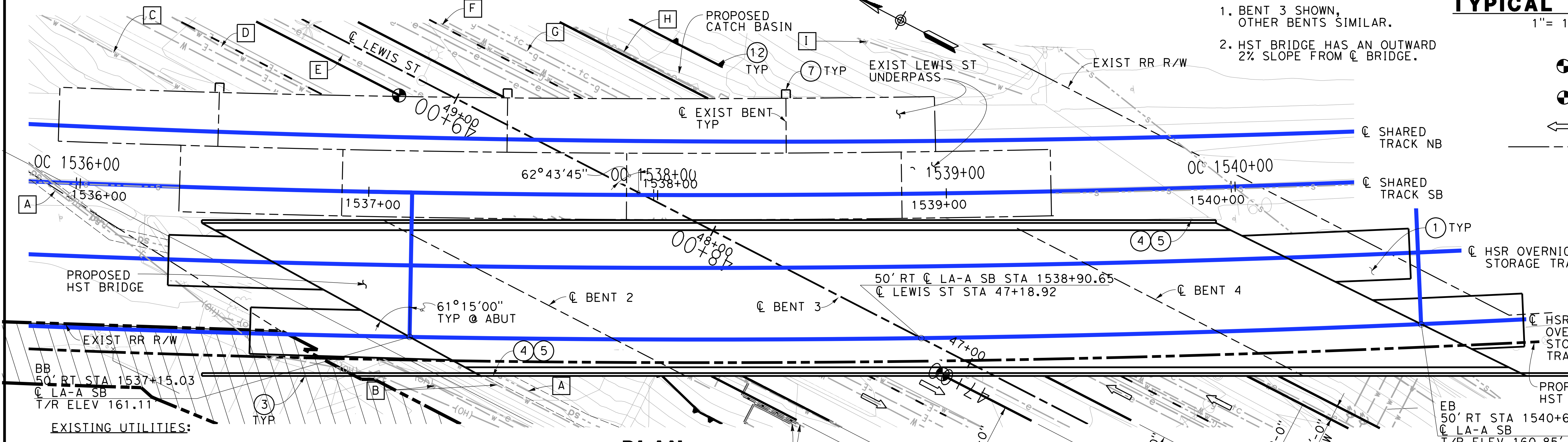


TYPICAL SECTION

1"= 10'-0"

GENERAL NOTE:

1. BENT 3 SHOWN, OTHER BENTS SIMILAR.
2. HST BRIDGE HAS AN OUTWARD 2% SLOPE FROM ℄ BRIDGE.



PLAN

1"= 20'-0"

LEGEND:

◕	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6")
◕	INDICATES EXIST POINT OF MINIMUM VERTICAL CLEARANCE (16'-6"±)
⇦	INDICATES DIRECTION OF TRAFFIC
— — —	INDICATES EXISTING BRIDGE

NOTES:

① STRUCTURE APPROACH SLAB
② PARAPET
③ RETAINING WALL
④ PAINT "BR. NO. XX-XXX"
⑤ PAINT "LEWIS STREET UNDERPASS"
⑥ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
⑦ PROPOSED OCS SUPPORT ON EXIST UNDERPASS AT EXIST PIERS
⑧ OCS POLE
⑨ WALKWAY (3'-0" WIDE)
⑩ NEW UTILITY DUCT
⑪ DRAINAGE PIPE
⑫ ADJACENT RETAINING WALL

EXISTING UTILITIES:

A	EXIST 54" RCP STROM DRAIN, CITY OF ANAHEIM (RELOCATE)
B	EXIST IRRIGATION LINES, CITY OF ANAHEIM (RELOCATE)
C	EXIST IRRIGATION LINES, CITY OF ANAHEIM (RELOCATE)
D	EXIST 35" MWD ORANGE COUNTY FEEDER, CITY OF ANAHEIM (RELOCATE)
E	EXIST ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
F	EXIST 16" CCP WATER LINE, CITY OF ANAHEIM (RELOCATE)
G	EXIST 12" MAIN GAS, SO CAL GAS (RELOCATE)
H	EXIST IRRIGATION LINES, CITY OF ANAHEIM (RELOCATE)
I	EXIST IRRIGATION LINES, CITY OF ANAHEIM (RELOCATE)

* FOR EXIST UTILITIES NOT SHOWN, SEE VOL. 4 UT-C1618

TRAFFIC (PER DAY):

ADT_{2009}: 6,500
ADT_{2035}: 12,200
TRAIN VOLUME$_{2030}$: 118 FREIGHT
28 METROLINK
40 AMTRAK

* FINAL ROADWAY CONFIGURATION

FOUNDATION:

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

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

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FOR INTERNAL USE ONLY

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE 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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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1541
SCALE AS SHOWN
SHEET NO.

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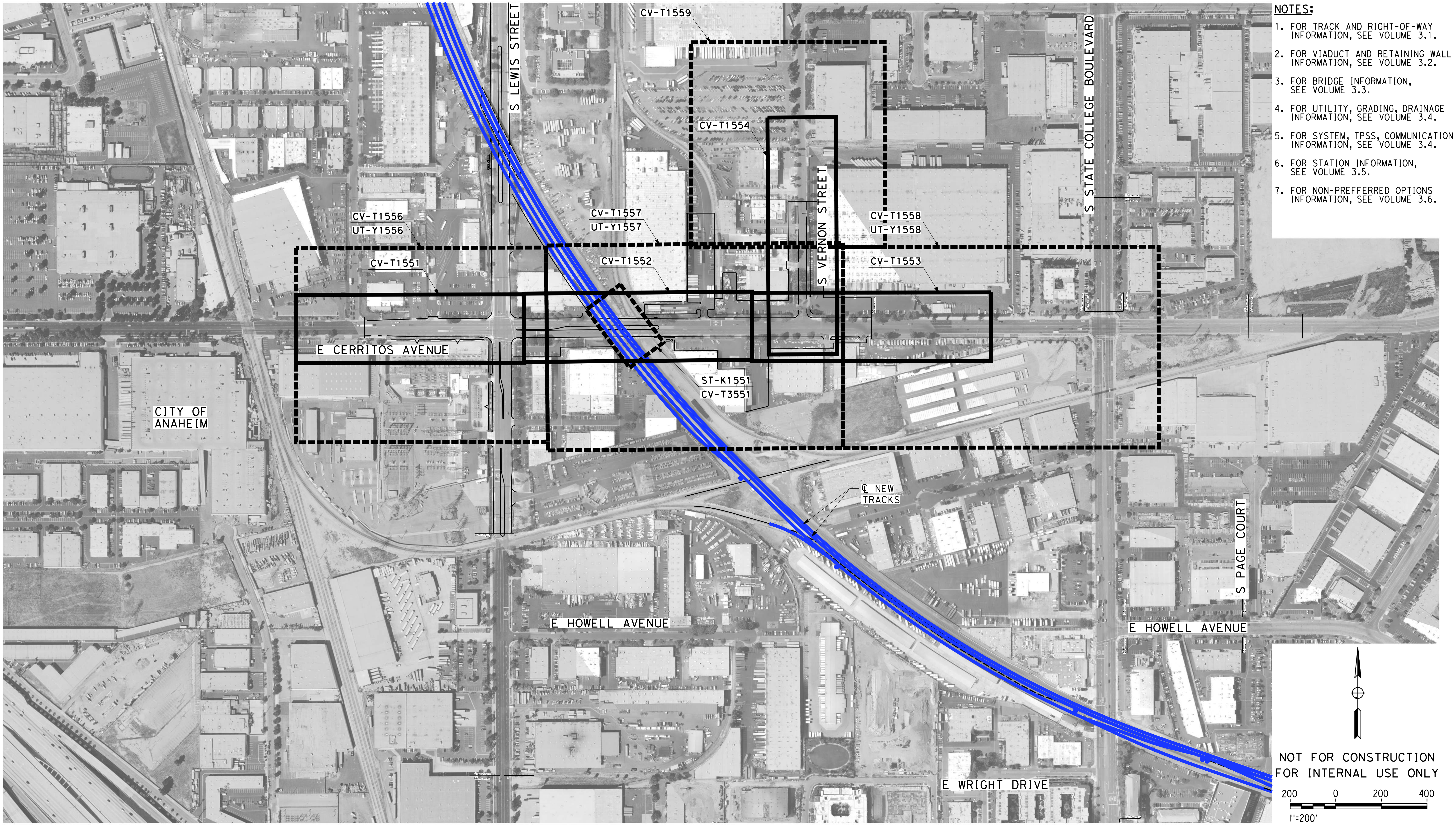

NOTES:

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.

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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
02/28/25

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SUBMITTAL
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USE ONLY**

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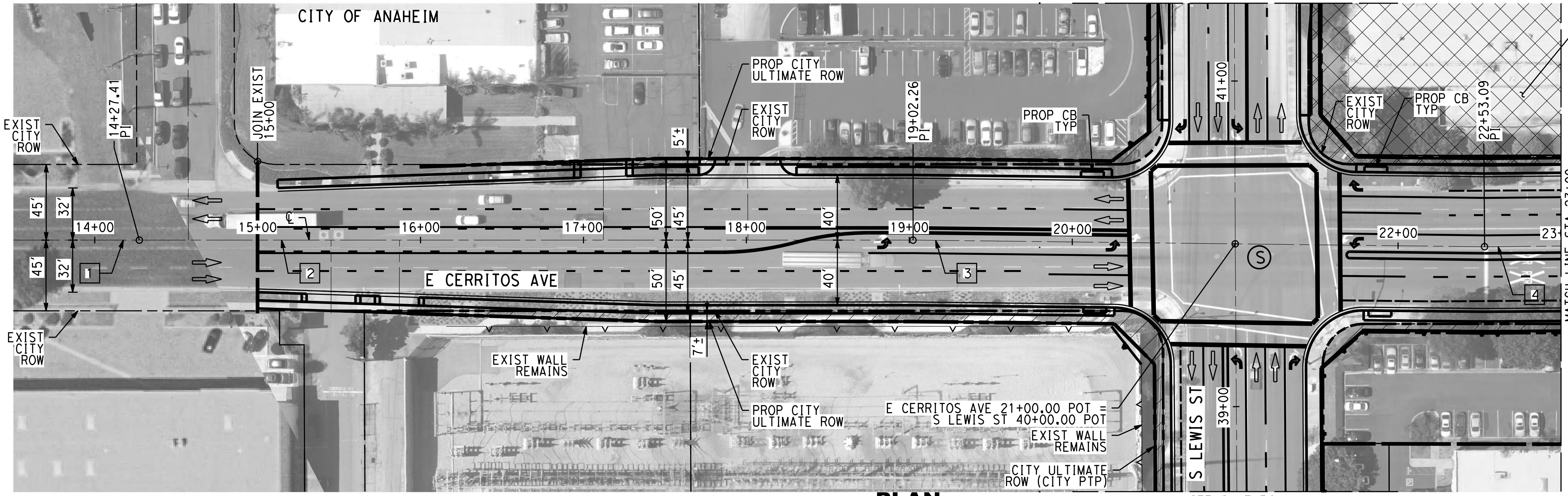
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

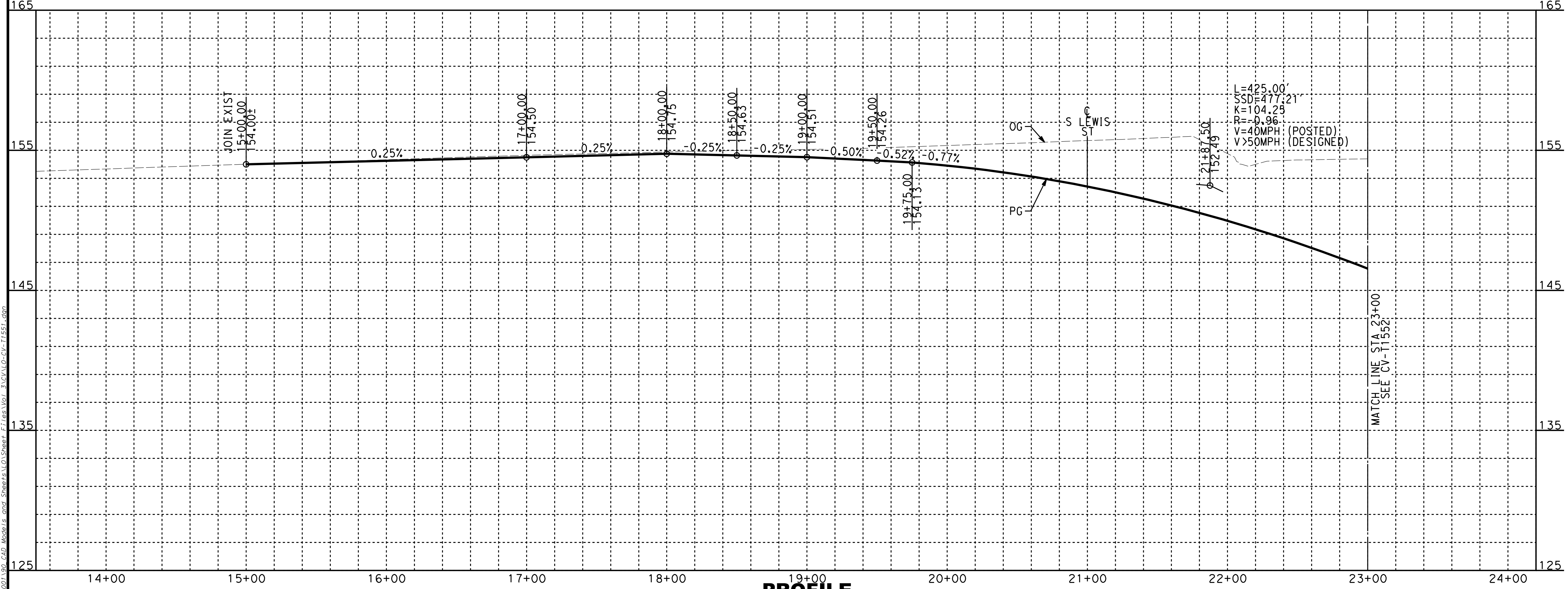
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0551
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.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE 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	N89°54'48"E	1182.19'
2	N89°54'57"E	474.85'
3	S89°25'40"E	350.83'
4	N89°28'40"E	753.83'

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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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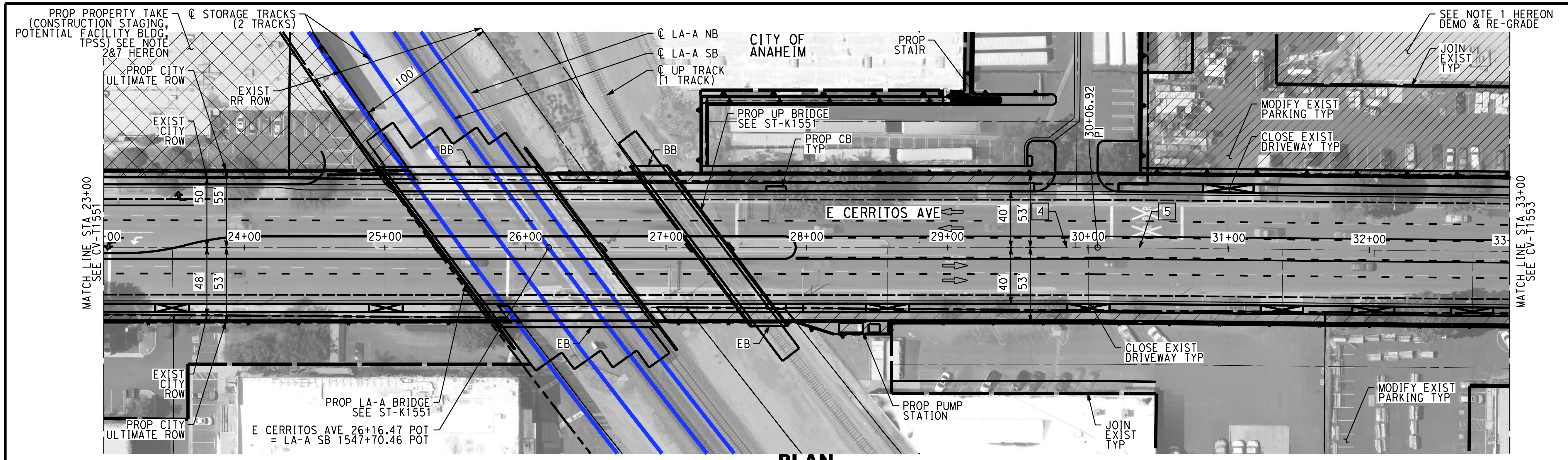
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1551
SCALE
AS SHOWN
SHEET NO.



PLAN

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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NOT FOR CONSTRUCTION
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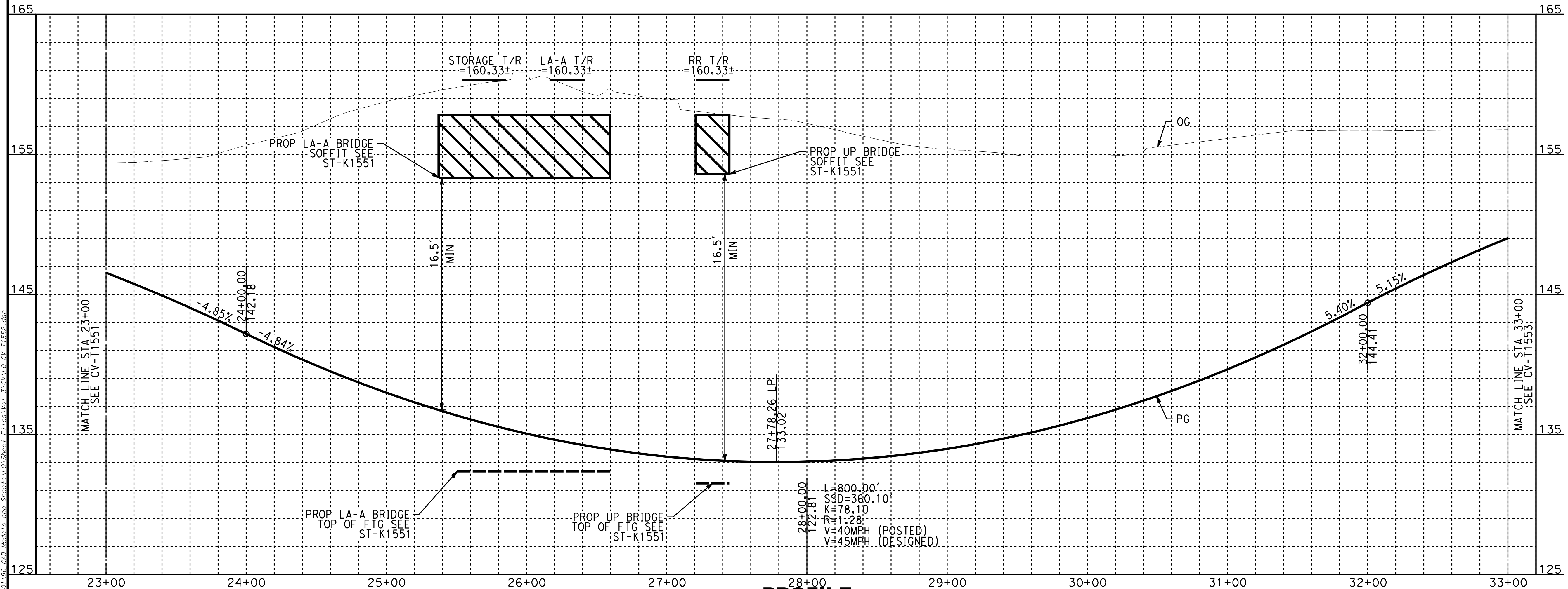
40 0 40 80
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY
4 0 4 8
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

LINE DATA

NO	BEARING	DISTANCE
4	N89°28'40"E	753.83'
5	S89°58'06"E	611.18'



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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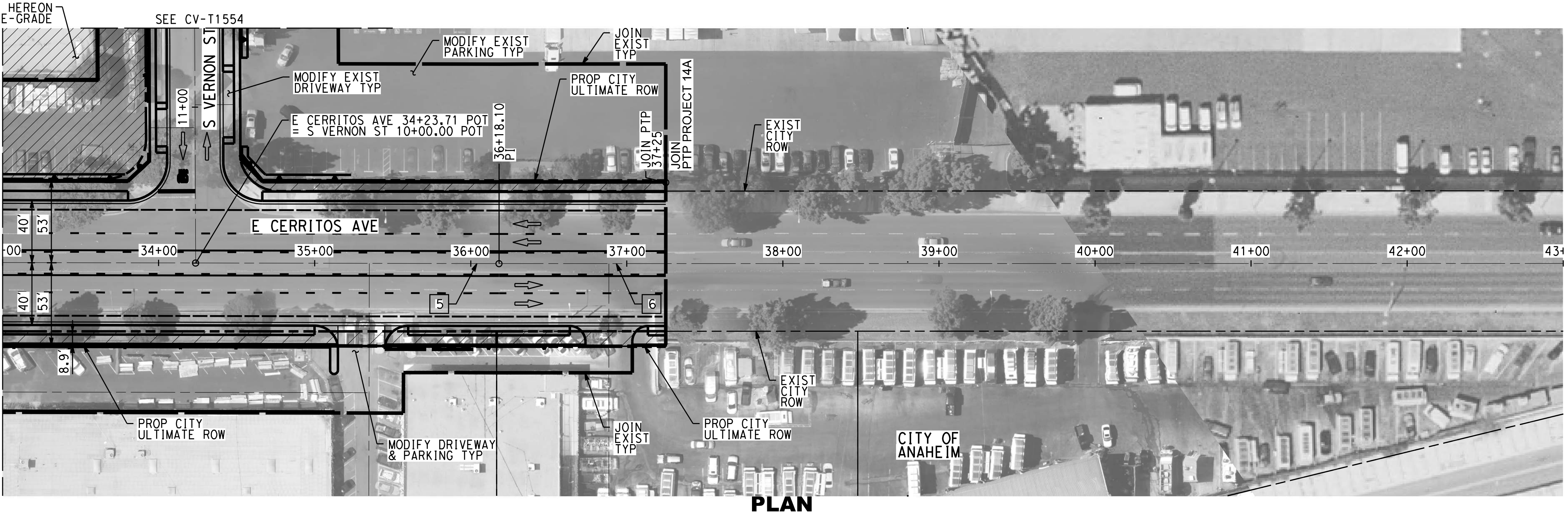
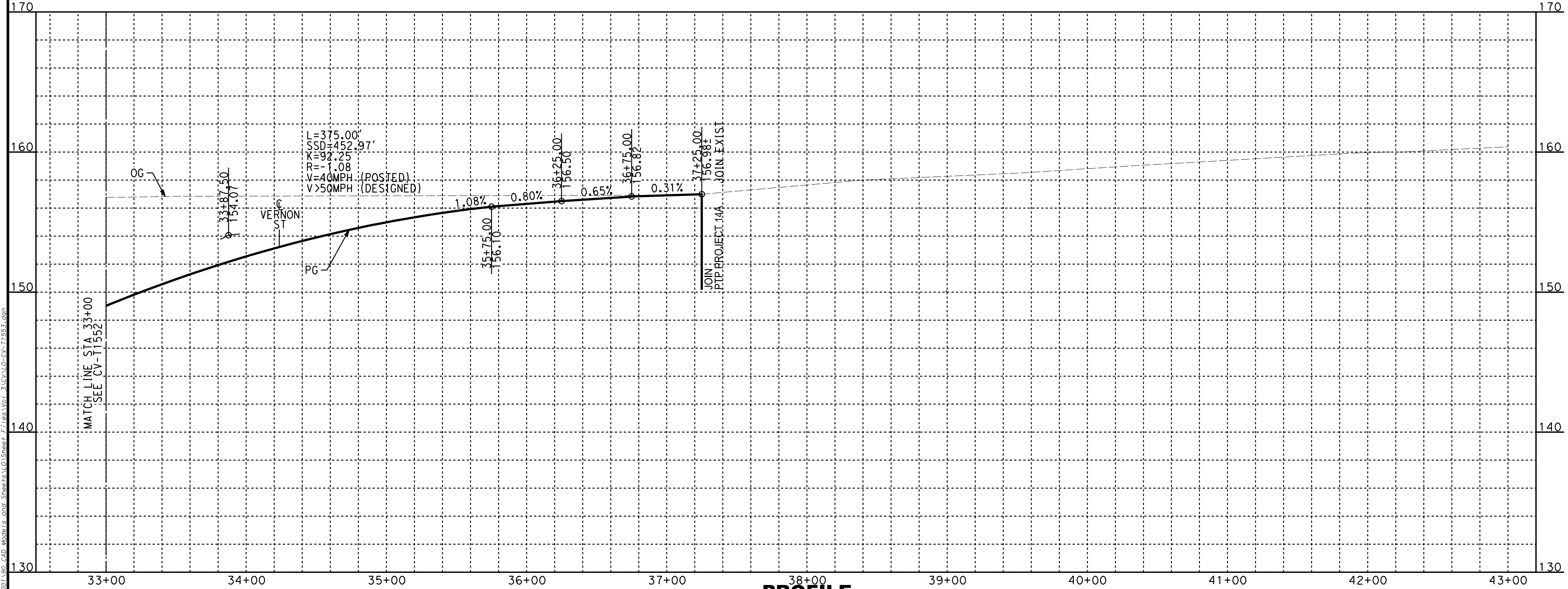
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1552
SCALE AS SHOWN
SHEET NO.



PLAN



PROFILE

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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

LINE DATA

NO	BEARING	DISTANCE
5	S89°58'06"E	611.18'
6	N89°54'10"E	1762.42'

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 - E CERRITOS AVE
PLAN AND PROFILE - SHEET 3 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1553
SCALE AS SHOWN
SHEET NO.

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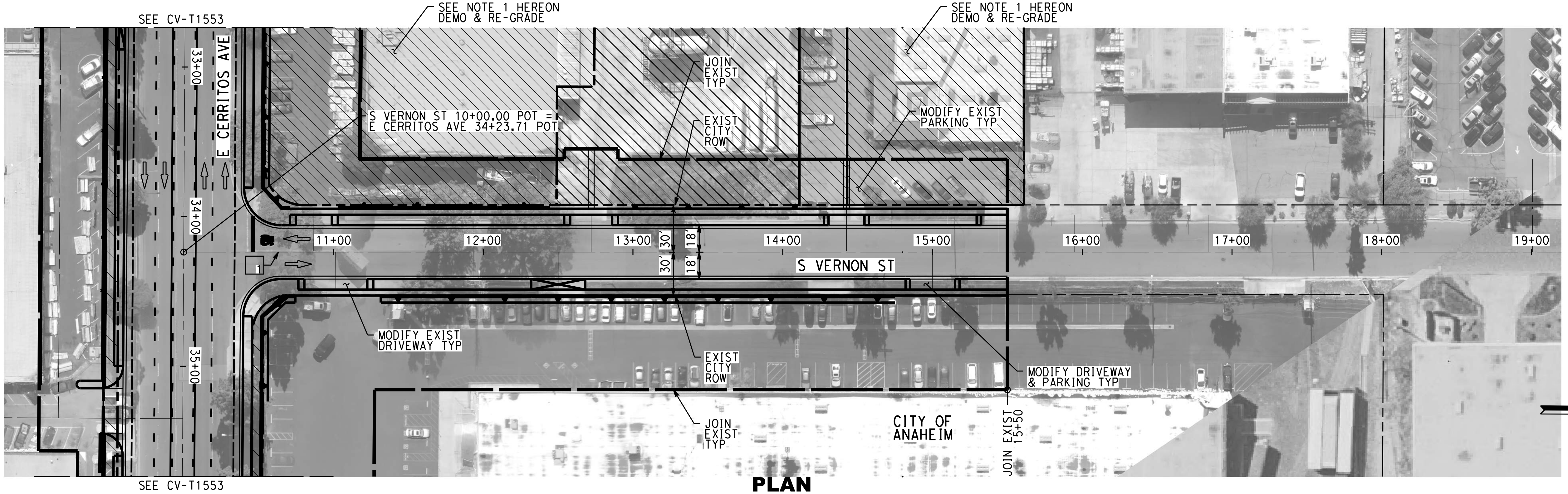

PLAN

NOTES:

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

LINE DATA

NO	BEARING	DISTANCE
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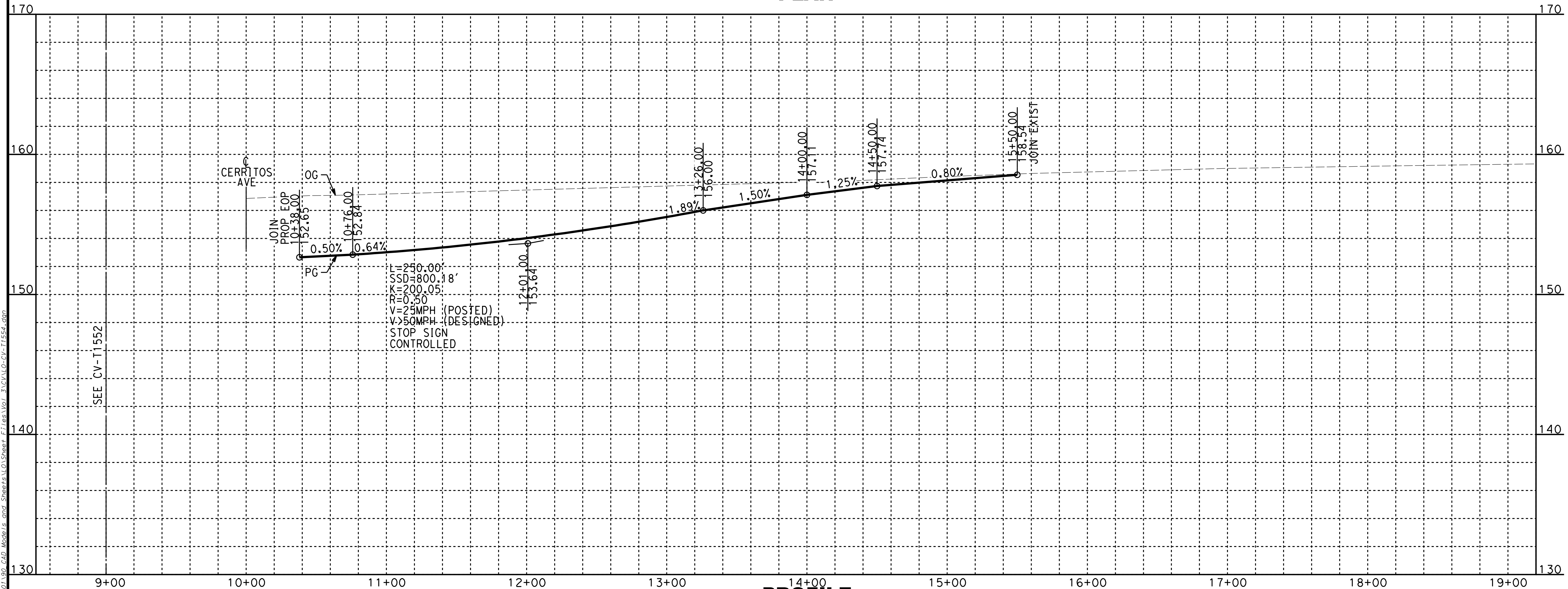

PROFILE

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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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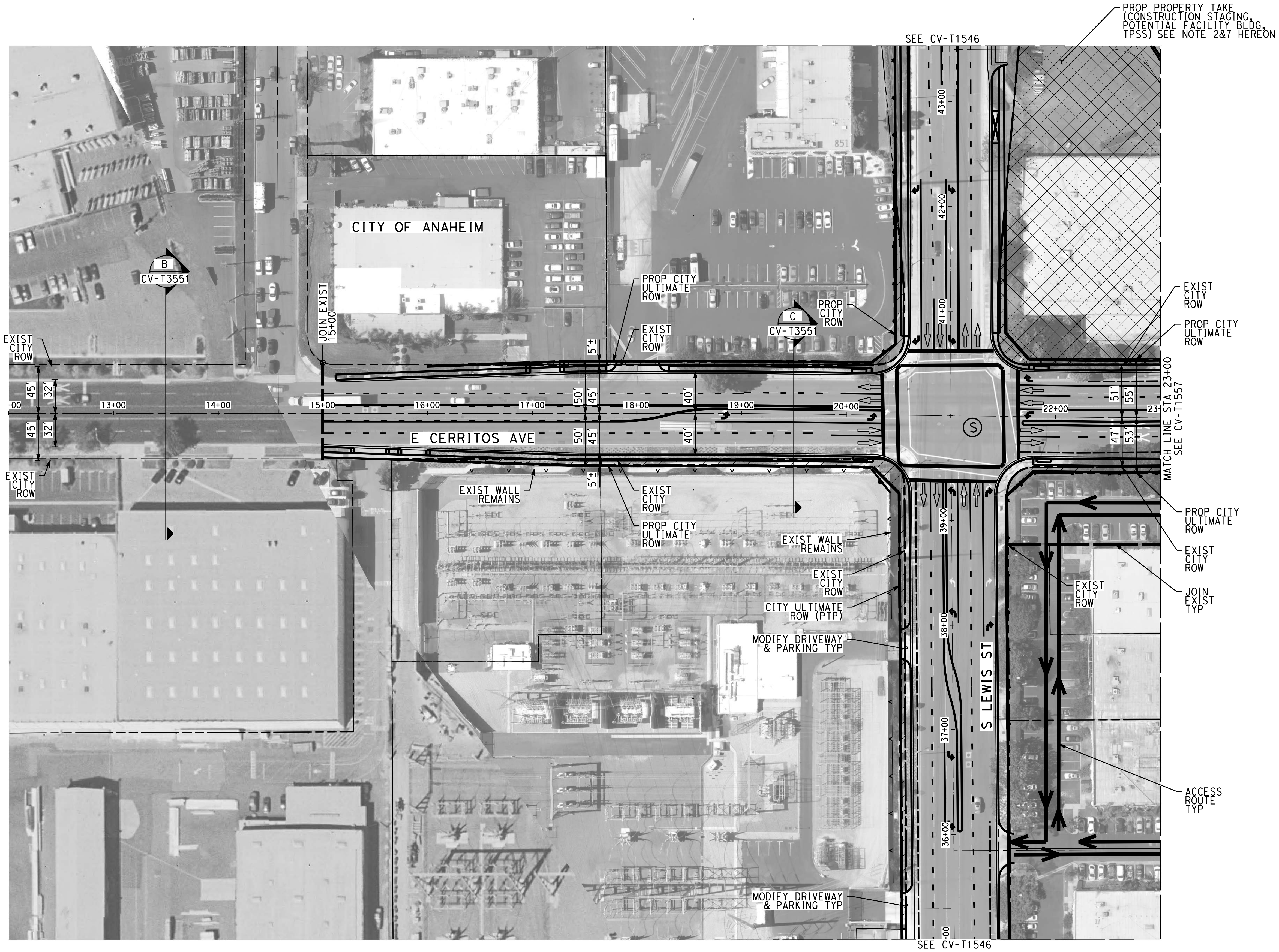
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1554
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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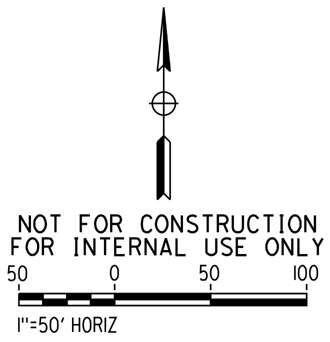
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



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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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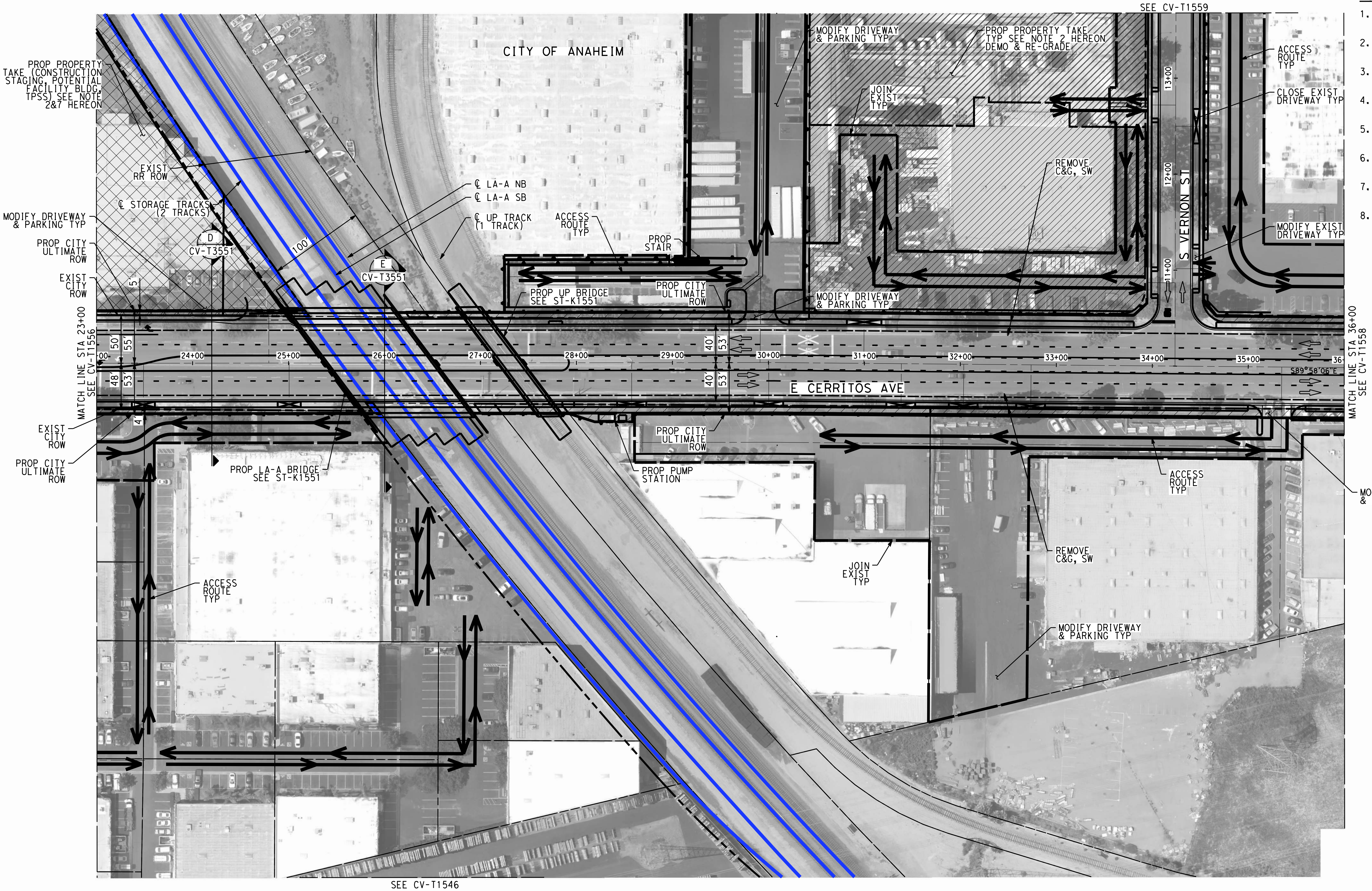
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
IMPACT PLAN - SHEET 1 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1556
SCALE
AS SHOWN
SHEET NO.



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50 0 50 100
1"=50' HORIZ
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LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
IMPACT PLAN - SHEET 2 OF 3

CONTRACT NO.
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SHEET NO.

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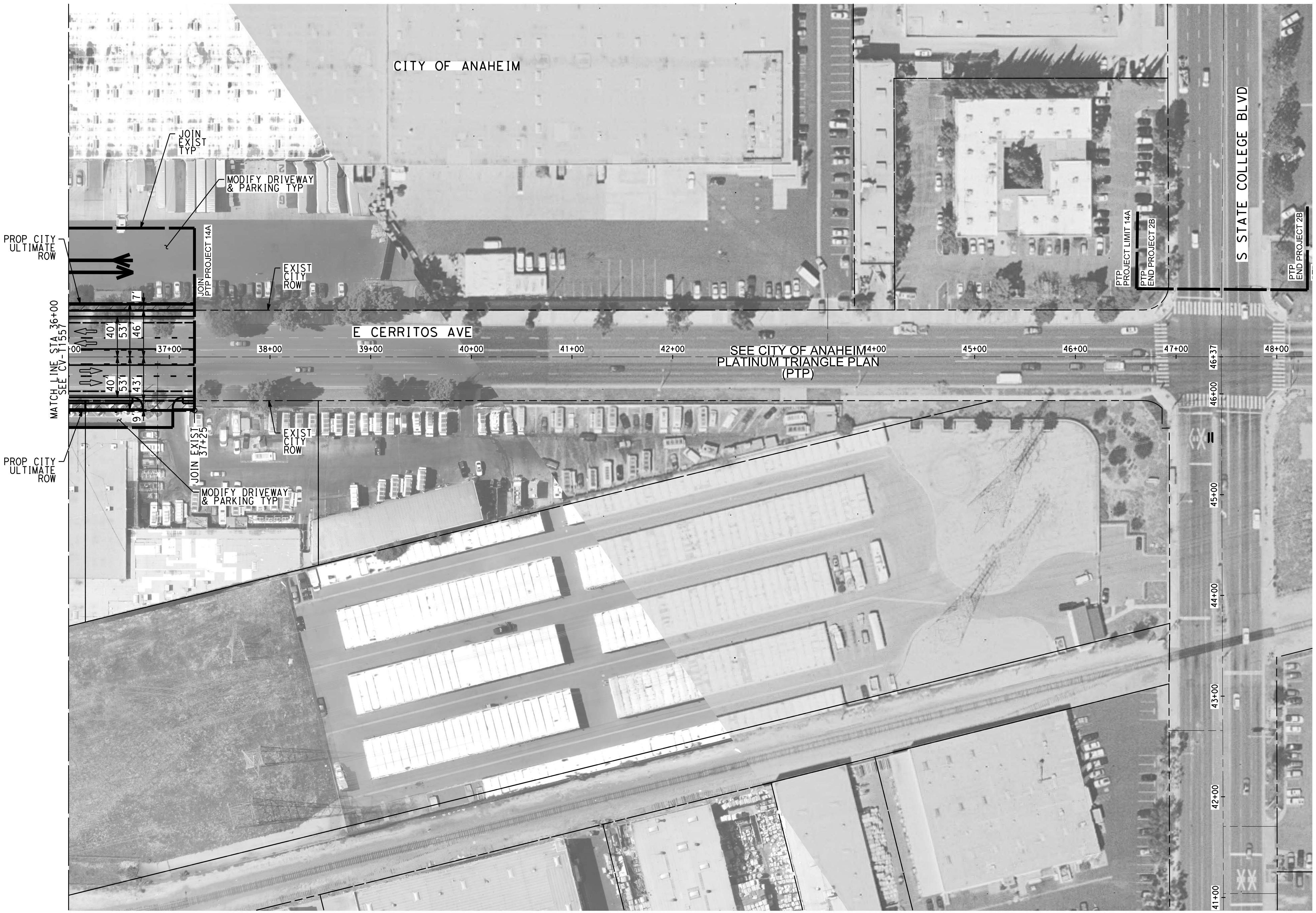

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50 0 50 100

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

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DESIGNED BY
A. CHIANG
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A. CHIANG
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IN CHARGE
J. SWANSON
DATE
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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 - E CERRITOS AVE
IMPACT PLAN - SHEET 3 OF 3

CONTRACT NO.
HSR06-0005
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CV-T1558
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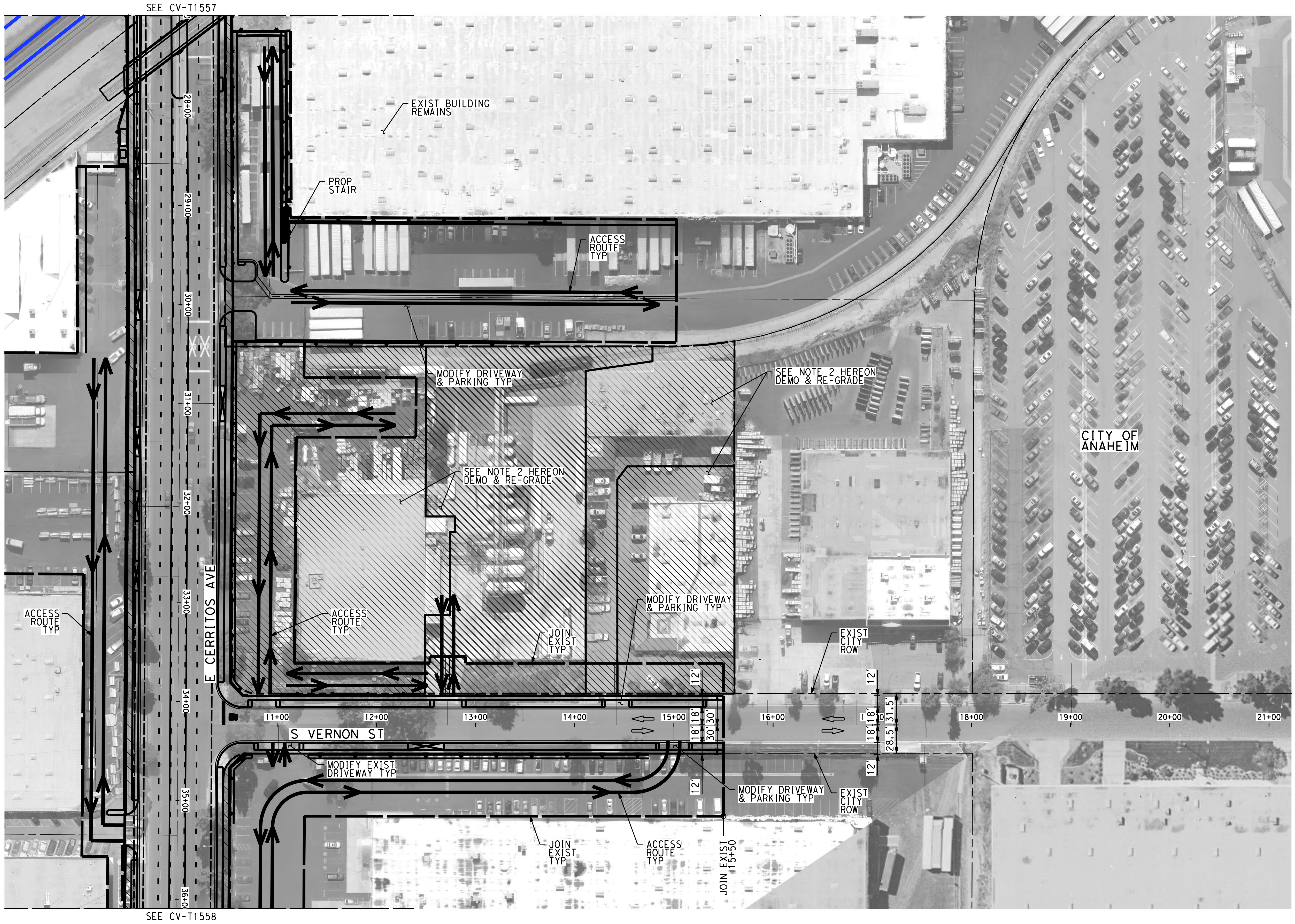
SHEET NO.

SEE CV-T1557



SEE CV-T1558

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50 0 50 100
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DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25

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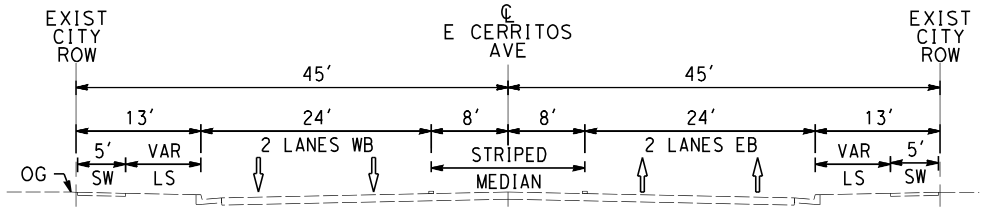
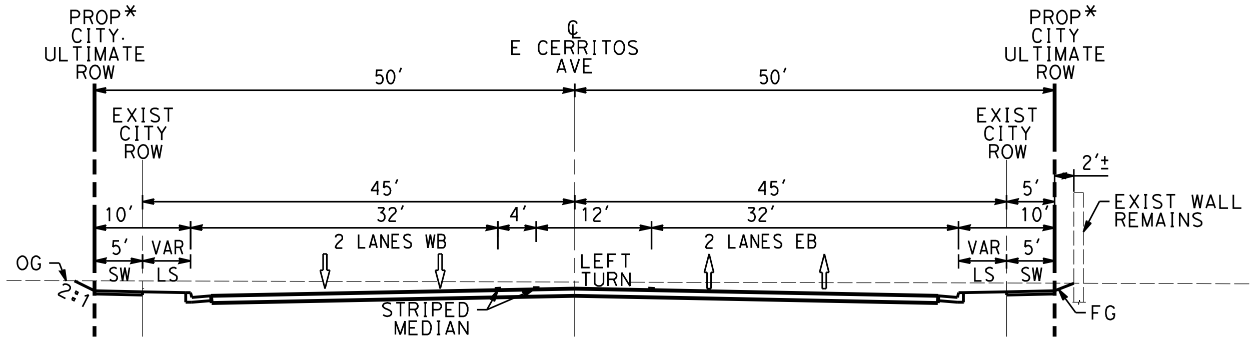
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1559
SCALE
AS SHOWN
SHEET NO.



EXIST CONDITION
STA 13+50
CV-T1556 AS SHOWN
B
-



PROP CONDITION
STA 19+50
CV-T1556 AS SHOWN
C
-

NOTES:

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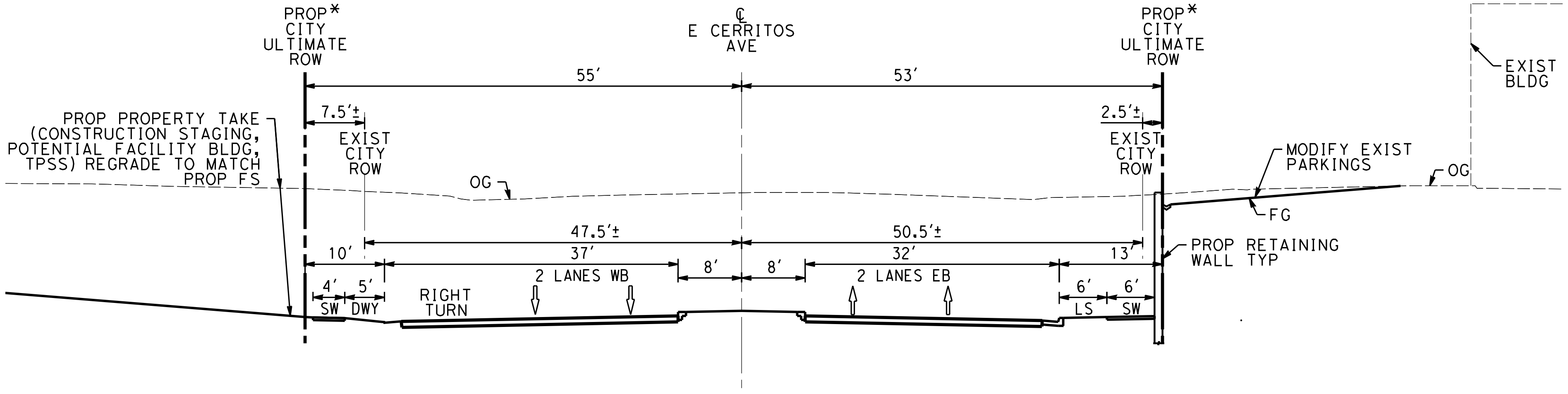
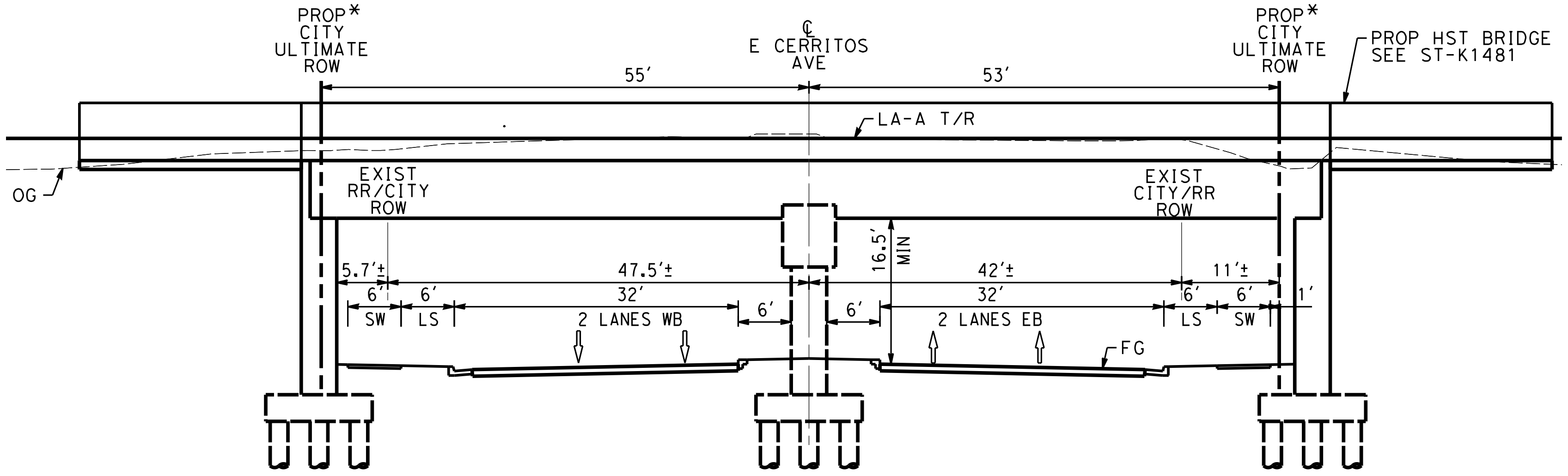


* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 6B, 14A

PROP CONDITION
STA 24+20
CV-T1557 AS SHOWN
D
-



* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 6B, 14A

PROP CONDITION
STA 26+00
CV-T1557 AS SHOWN
E
-

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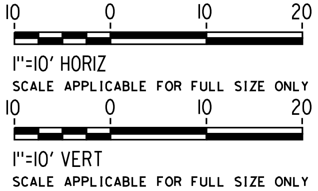
10
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10
20
1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY
10
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20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

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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 - E CERRITOS AVE
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3551
SCALE
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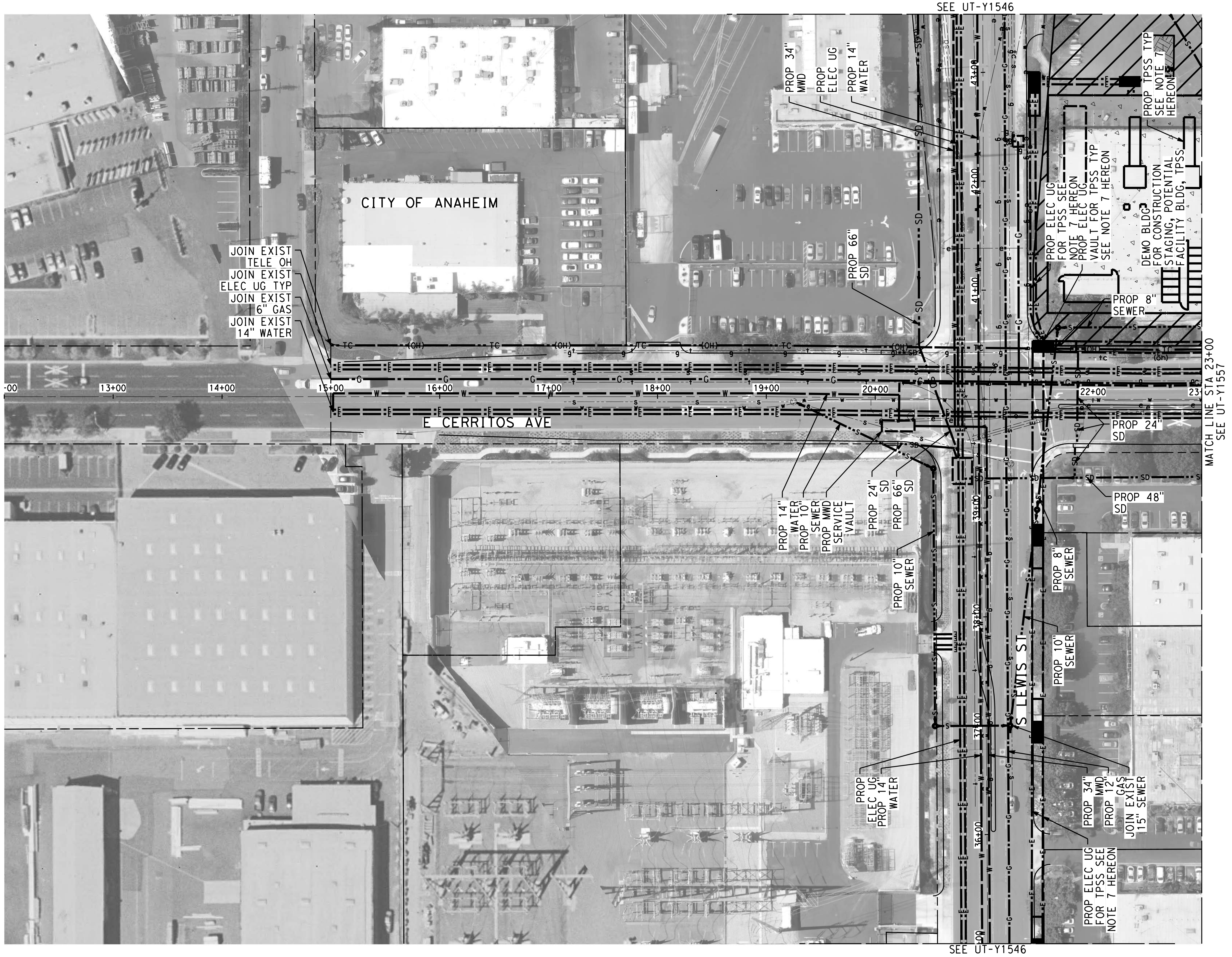
SHEET NO.



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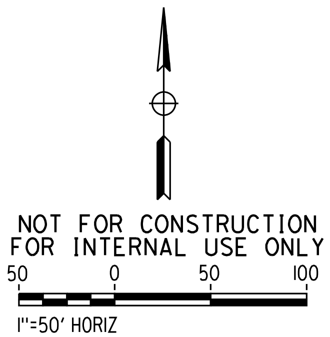

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1"=50' HORIZ
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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
UTILITY PLAN - SHEET 1 OF 3

CONTRACT NO.
HSR06-0005
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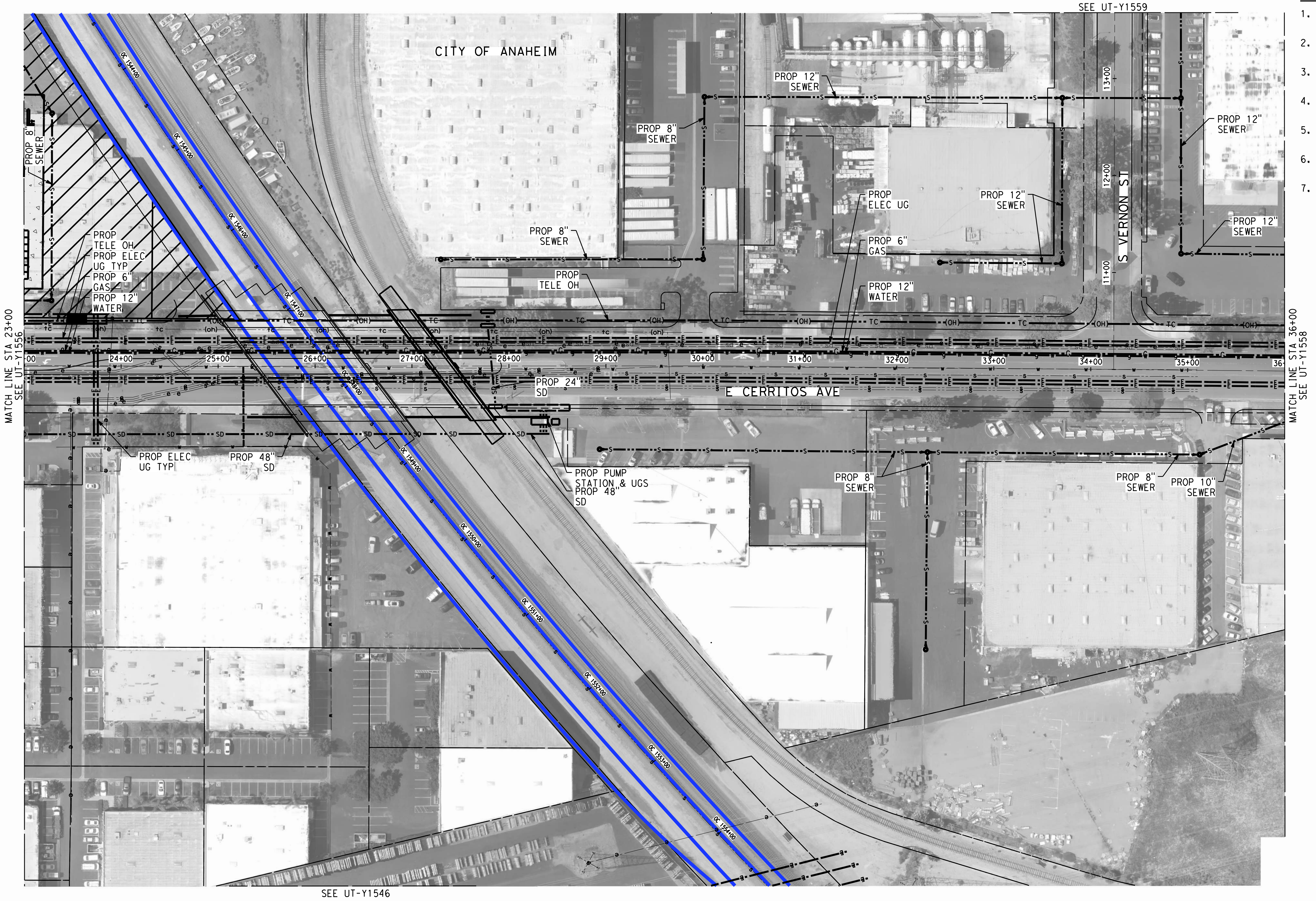

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1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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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 - E CERRITOS AVE
UTILITY PLAN - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1557
SCALE
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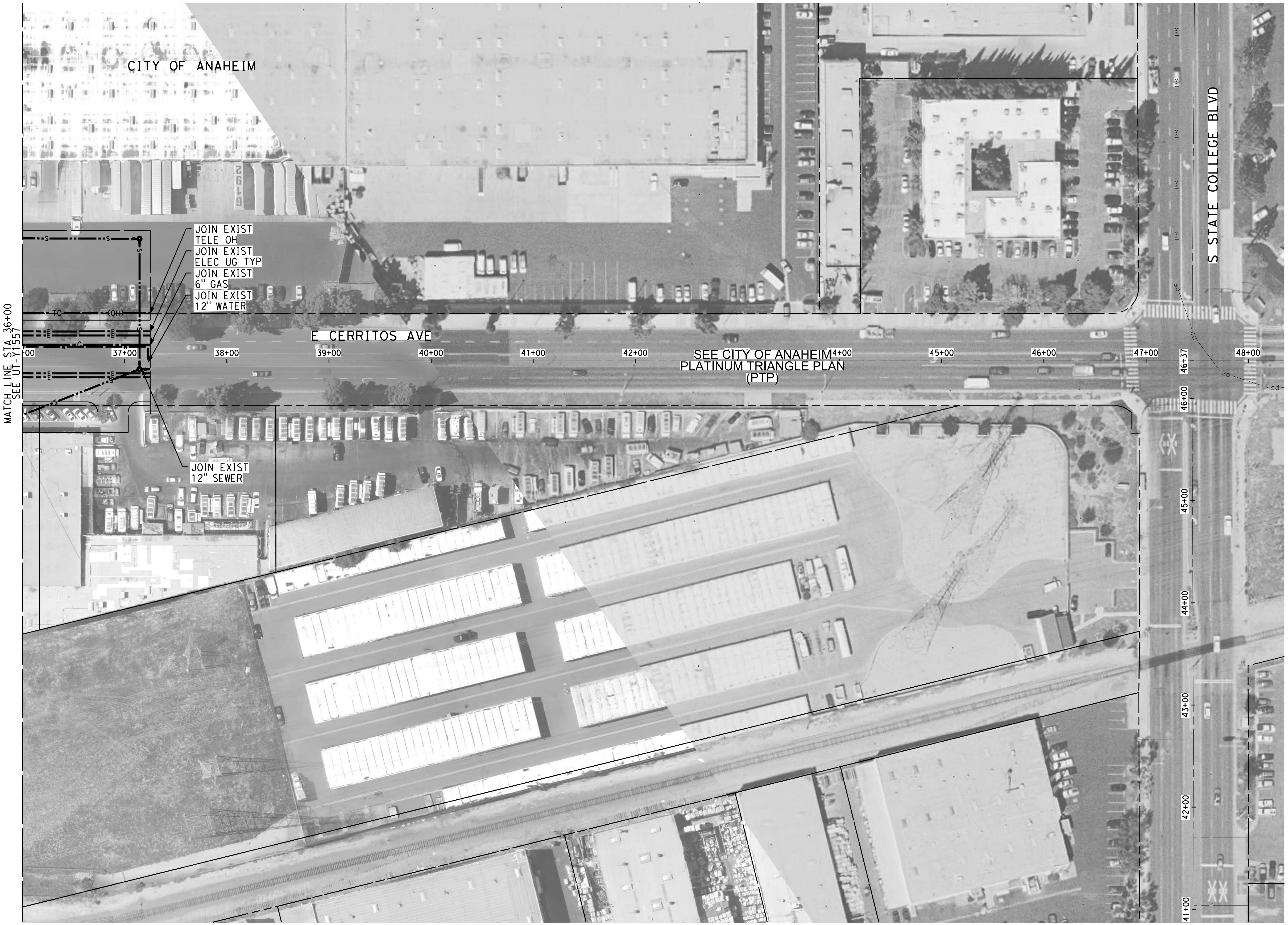

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50 0 50 100

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

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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
UTILITY PLAN - SHEET 3 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. UT-Y1558
SCALE AS SHOWN
SHEET NO.

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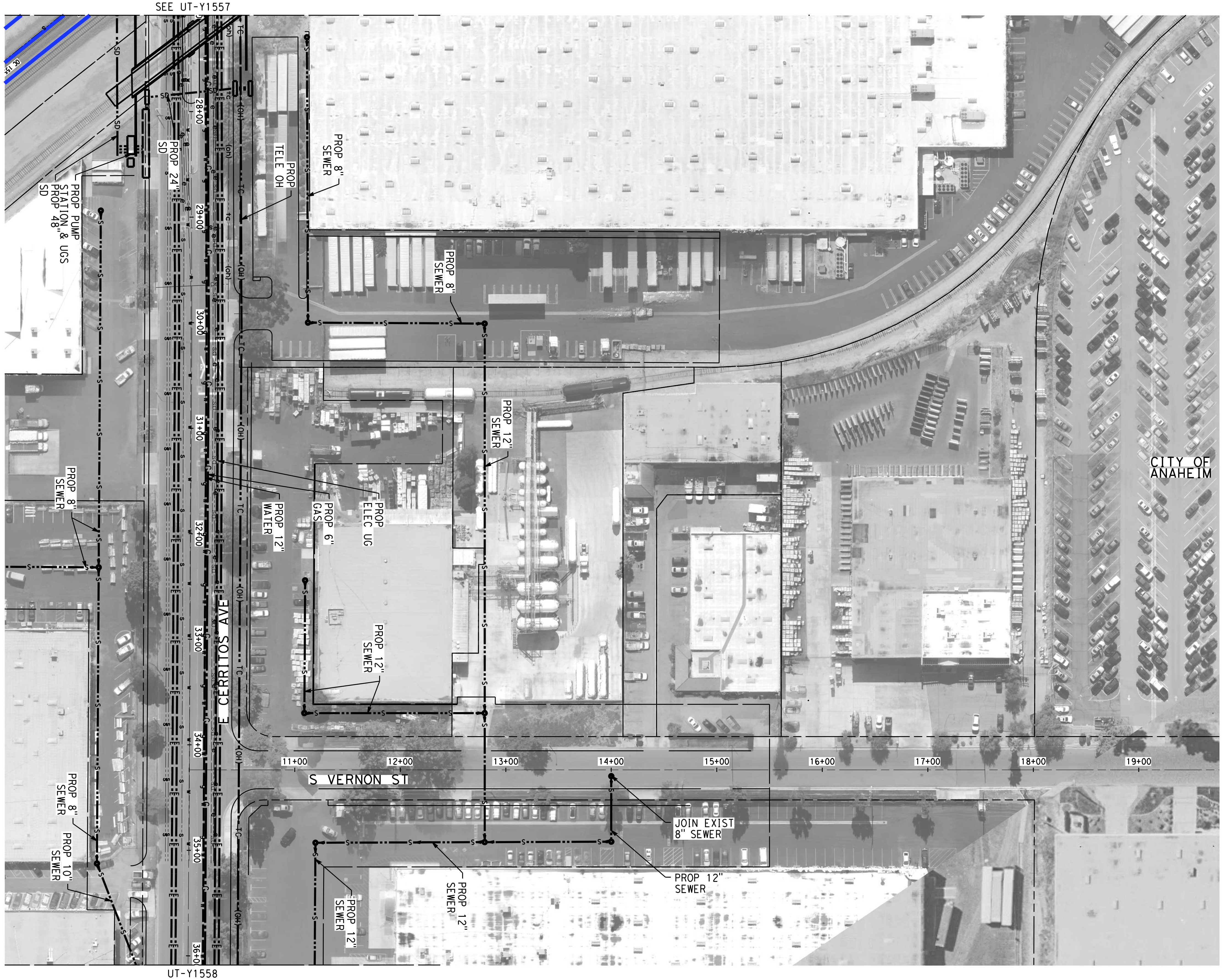

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50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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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 - S VERNON ST
UTILITY PLAN - SHEET 1 OF 1

CONTRACT NO.
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UT-Y1559
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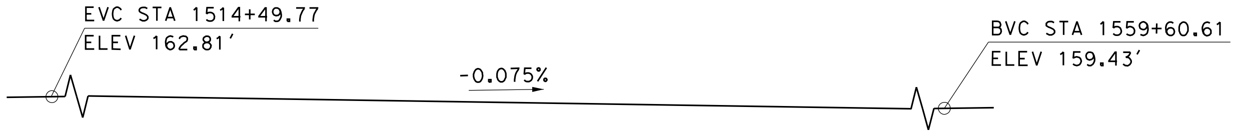
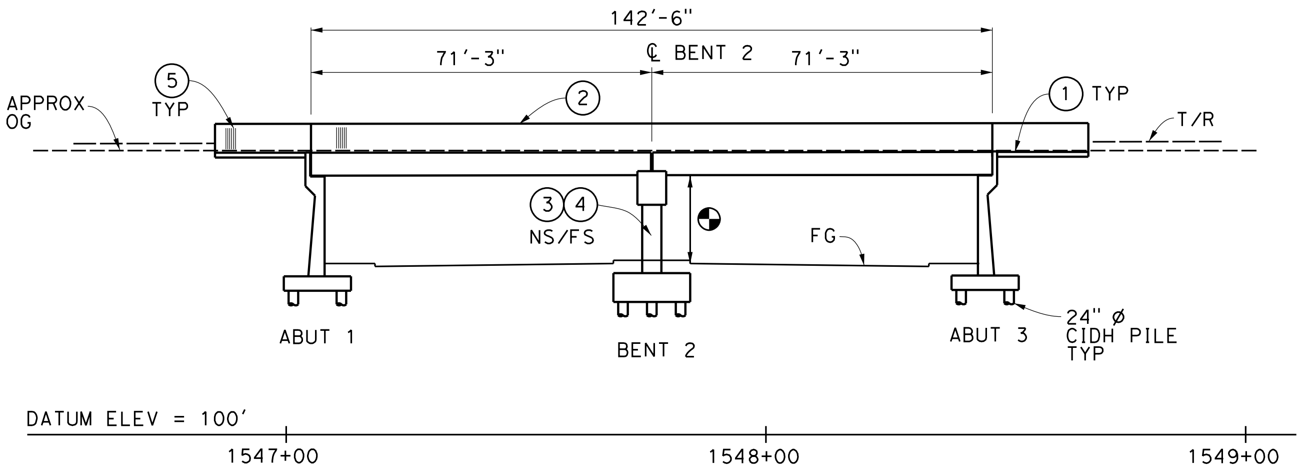


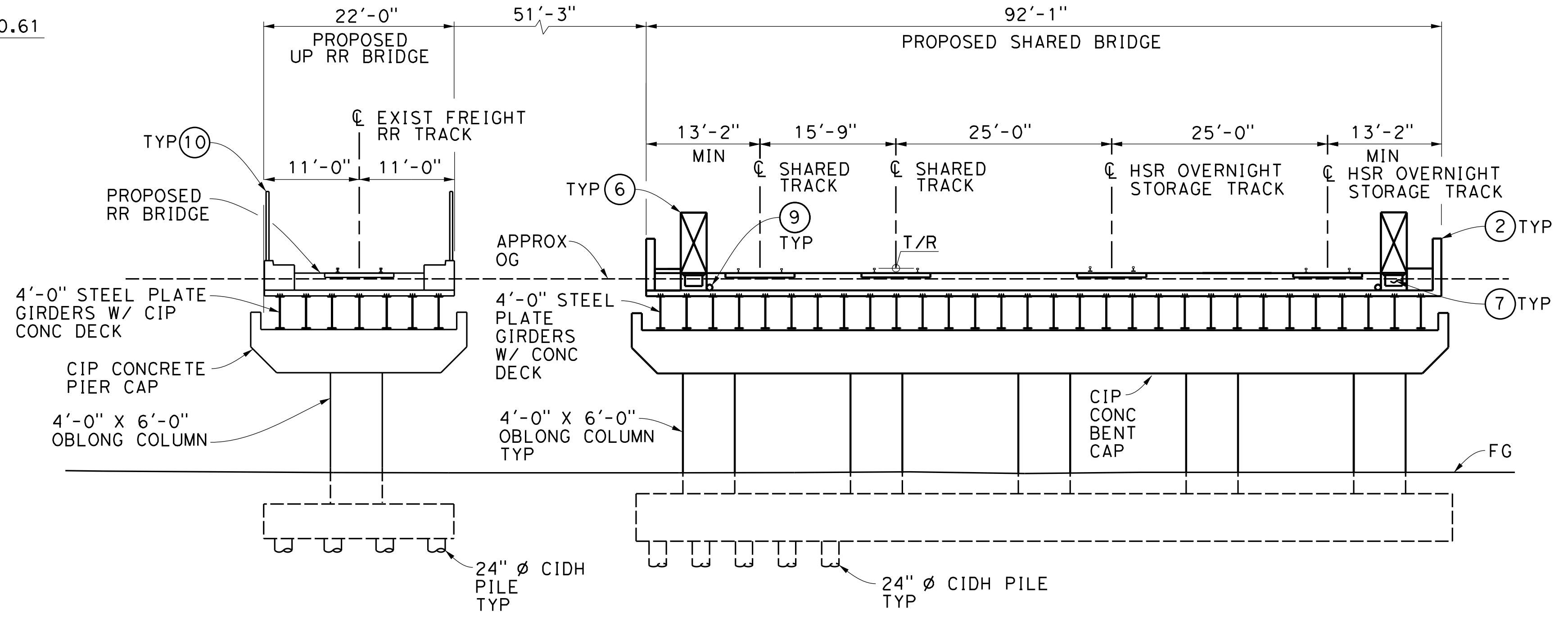
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



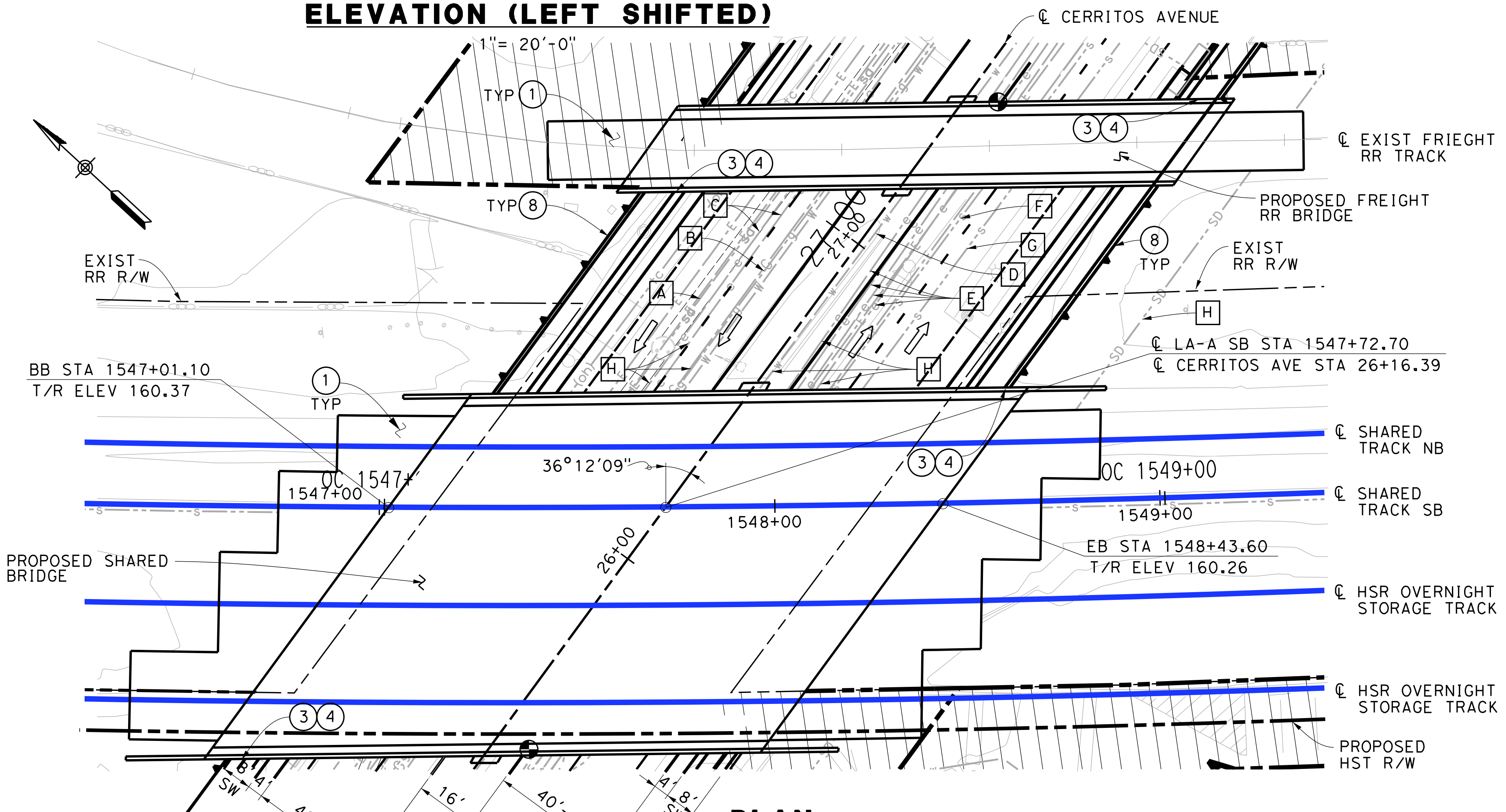
ELEVATION (LEFT SHIFTED)

1"= 20'-0"



TYPICAL SECTION

1" = 10'-0"



PLAN

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. PROPOSED BRIDGES HAS AN OUTWARD 2% SLOPE FROM ℄ OF BRIDGE.
4. ELECTRIFIED TRACKS ON NORTH SIDE.

NOTES:

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

EXISTING UTILITIES:

A EXIST 48" RCP STORM DRAIN, CITY OF ANAHEIM (RELOCATE)
B EXIST 6" M GAS, CITY OF ANAHEIM (RELOCATE)
C EXIST 12kV UG ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
D EXIST 12" CIP WATER LINE, CITY OF ANAHEIM (RELOCATE)
E EXIST 1-TRI 4/0 AWG UG ELECTRICAL LINE (4 LINES), CITY OF ANAHEIM (RELOCATE)
F EXIST 8" PVC SEWER, CITY OF ANAHEIM (RELOCATE)
G EXIST 10" PVC SEWER, CITY OF ANAHEIM (RELOCATE)
H PROPOSED UTILITY RELOCATION. SEE VOL. 4 UT-D1618

LEGEND:

● INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6")
⇦ INDICATES DIRECTION OF TRAFFIC

FOUNDATION:

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

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

TRAFFIC (PER DAY):

ADT$_{2009}$: 10,000
ADT$_{2035}$: 10,100
TRAIN VOLUME$_{2030}$: 118 FREIGHT
28 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

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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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FOR INTERNAL
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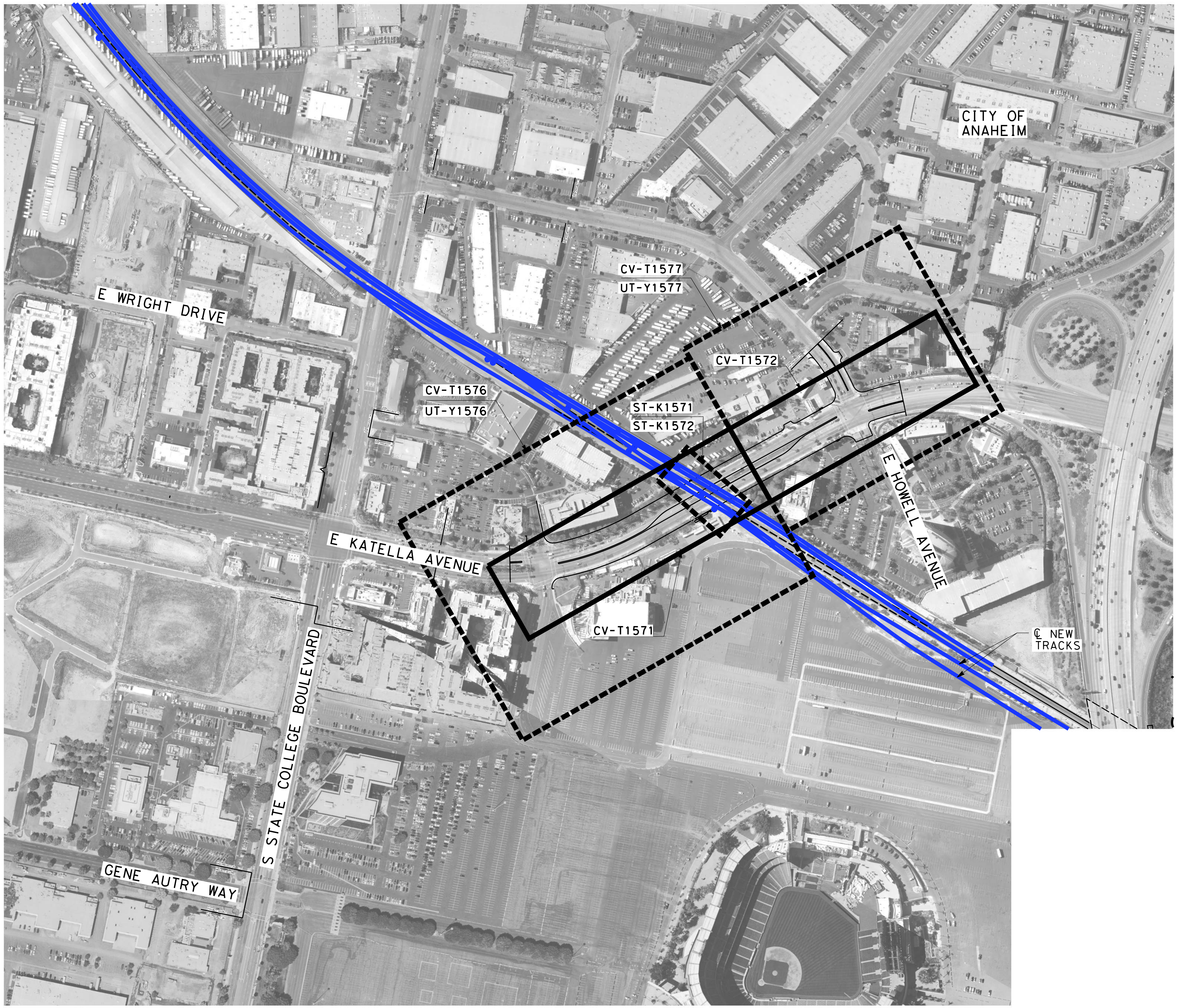
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1551
SCALE AS SHOWN
SHEET NO.



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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
02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

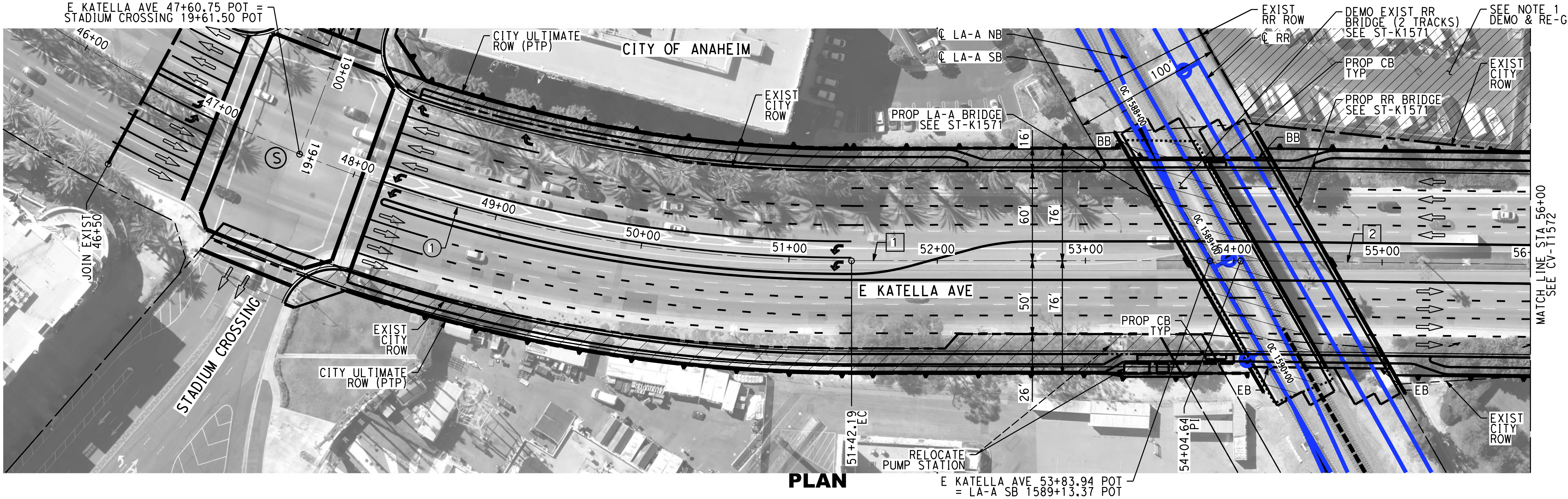
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

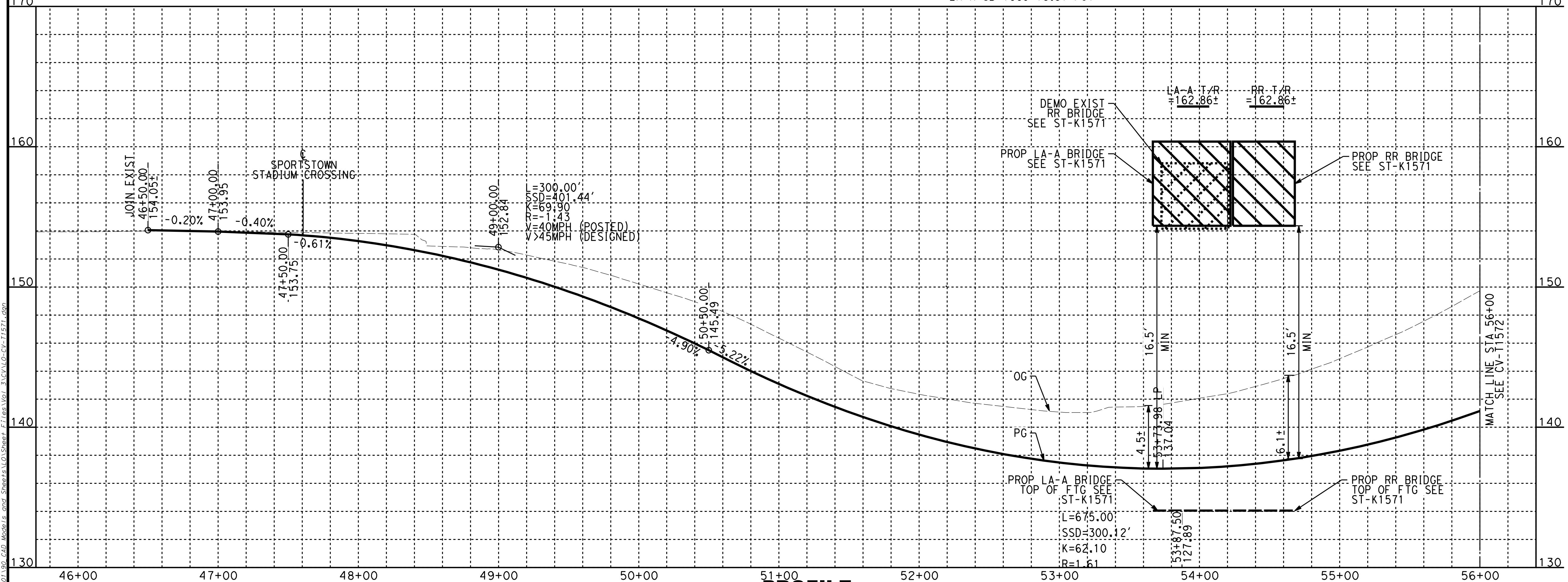
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E KATELLA AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0571
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.
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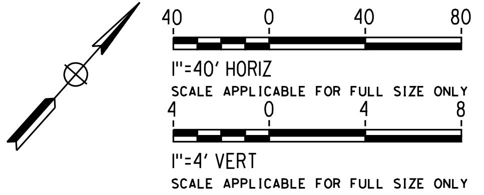
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

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

CURVE DATA

NO	R	Δ	T	L
①	1000.00'	41°35'30"	379.78'	725.91'

LINE DATA

NO	BEARING	DISTANCE
1	N48°39'48"E	262.45'
2	N49°23'16"E	491.39'

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 - E KATELLA AVE
PLAN AND PROFILE - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1571
SCALE AS SHOWN
SHEET NO.

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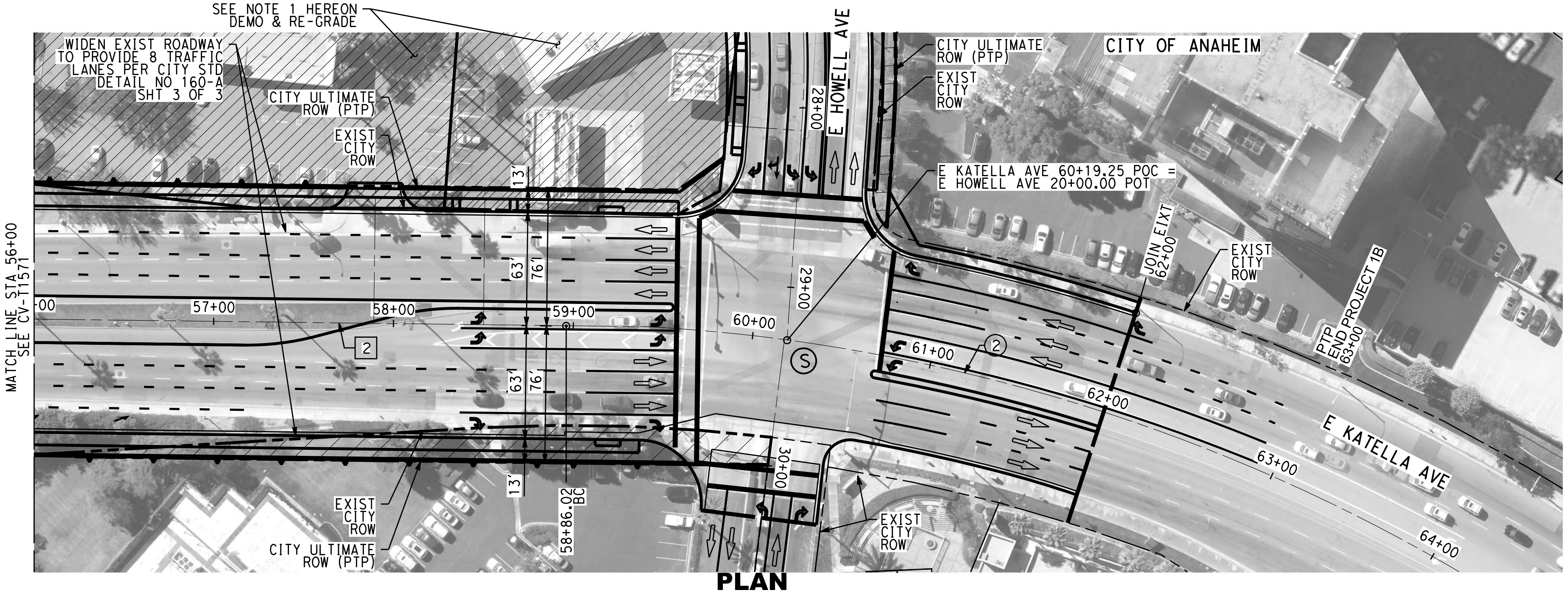

PLAN

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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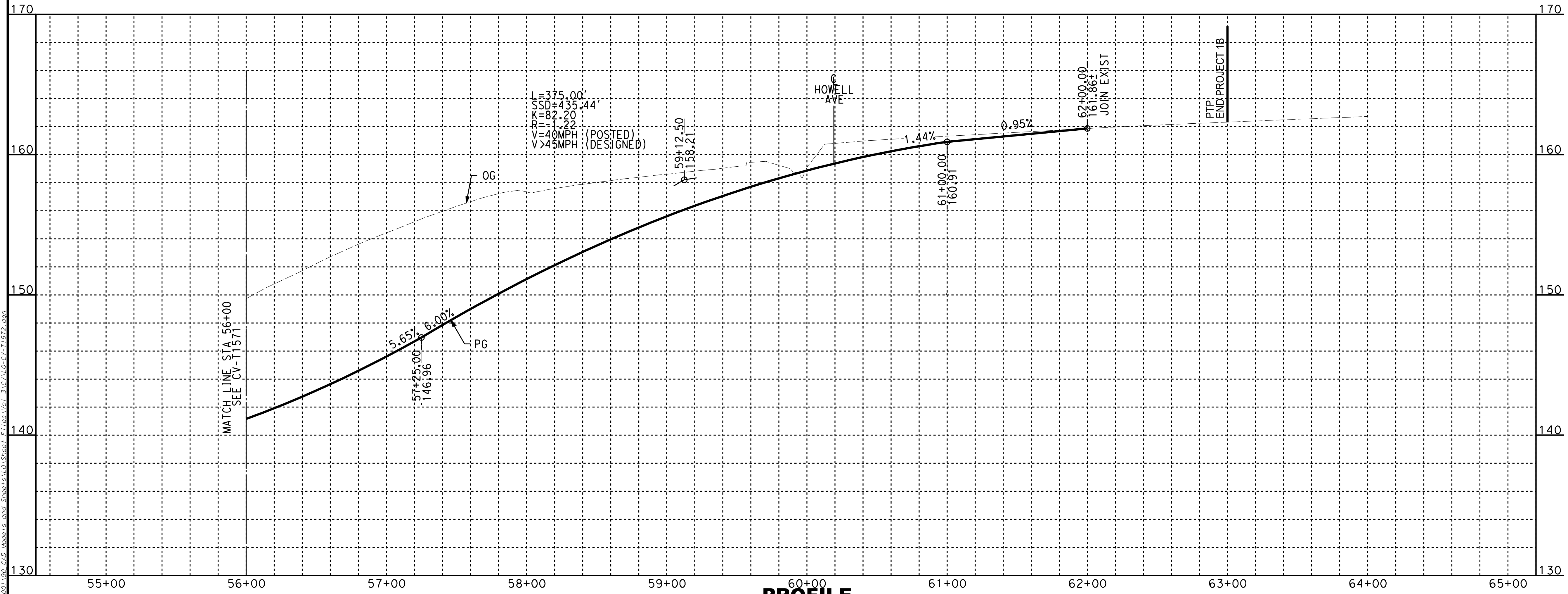
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

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

CURVE DATA

NO	R	Δ	T	L
②	1000.00'	34°18'51"	308.73'	598.90'



PROFILE

LINE DATA

NO	BEARING	DISTANCE
2	N49°23'16"E	491.39'

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 - E KATELLA AVE
PLAN AND PROFILE - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1572
SCALE
AS SHOWN
SHEET NO.

ChiangM 2/6/2025 1:10:37 PM CHSR_PDF_half_black.plt
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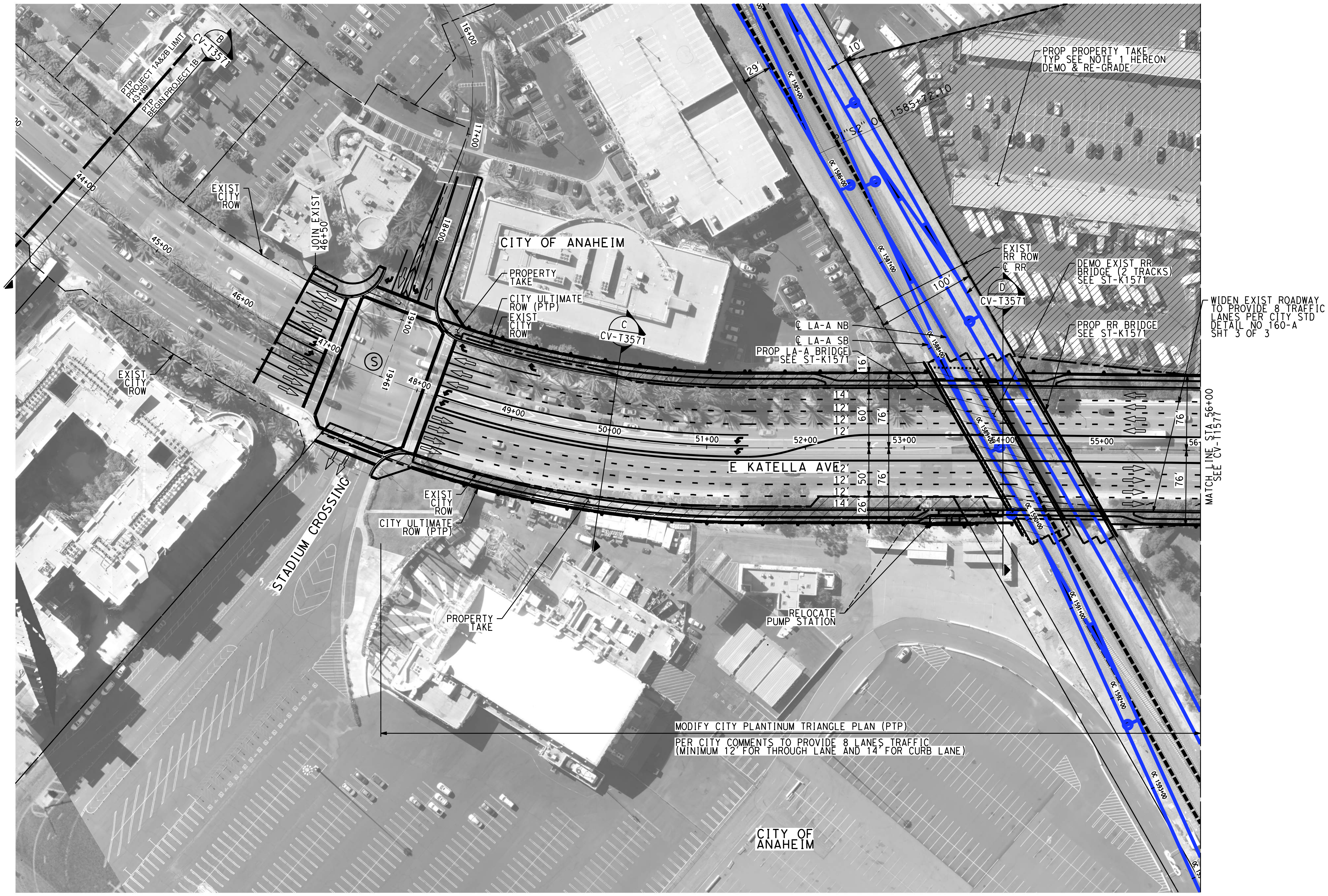

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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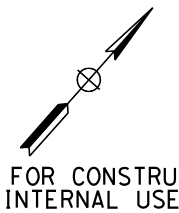
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



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 - E KATELLA AVE
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1576
SCALE AS SHOWN
SHEET NO.

ChiangM 2/6/2025 1:10:59 PM CHSR_PDF_half_black.plt
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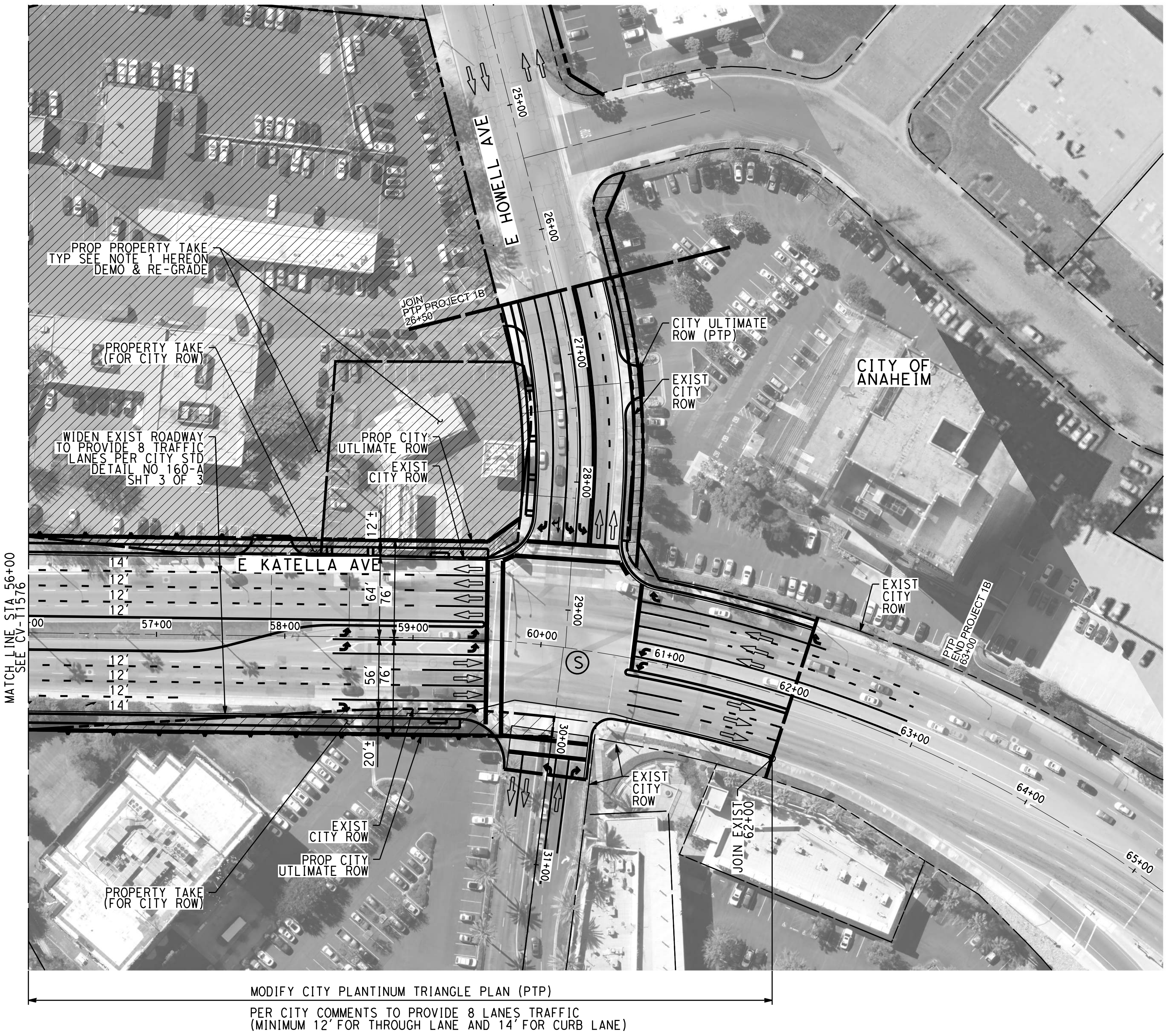
E HOWELL AVE
E KATELLA AVE
25+00
26+00
27+00
28+00
29+00
30+00
31+00
57+00
58+00
59+00
60+00
61+00
62+00
63+00
64+00
65+00
JOIN PTP PROJECT 1B 26+50
PROP PROPERTY TAKE TYP SEE NOTE 1 HEREON DEMO & RE-GRADE
PROPERTY TAKE (FOR CITY ROW)
WIDEN EXIST ROADWAY TO PROVIDE 8 TRAFFIC LANES PER CITY STD DETAIL NO 160-A SHT 3 OF 3
PROP CITY ULTIMATE ROW
EXIST CITY ROW
12'±
CITY ULTIMATE ROW (PTP)
EXIST CITY ROW
CITY OF ANAHEIM
EXIST CITY ROW
PTP END PROJECT 1B 63+00
MATCH LINE STA 56+00 SEE CV-T1576
14'
12'
12'
12'
12'
64'
76'
12'
12'
12'
12'
14'
56'
76'
20'±
S
EXIST CITY ROW
PROP CITY ULTIMATE ROW
PROPERTY TAKE (FOR CITY ROW)
EXIST CITY ROW
JOIN EXIST 62+00
MODIFY CITY PLANTINUM TRIANGLE PLAN (PTP)
PER CITY COMMENTS TO PROVIDE 8 LANES TRAFFIC
(MINIMUM 12' FOR THROUGH LANE AND 14' FOR CURB LANE)

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.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

ChiangM 2/6/2025 1:11:17 PM CHSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

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CONSTRUCTION**

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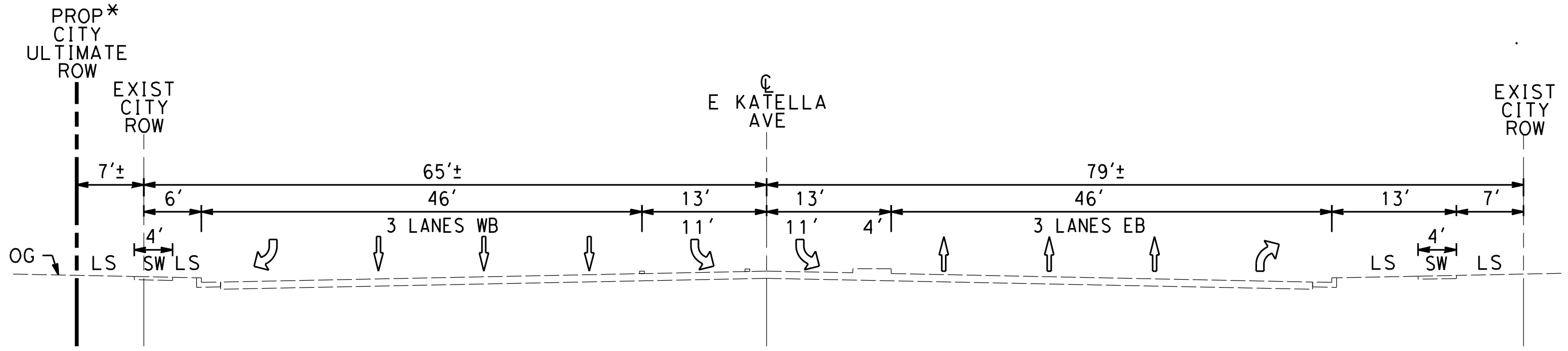
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1577
SCALE
AS SHOWN
SHEET NO.



* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 1A, 2B, 1B

EXIST CONDITION
STA 44+00 (B)
CV-T1576 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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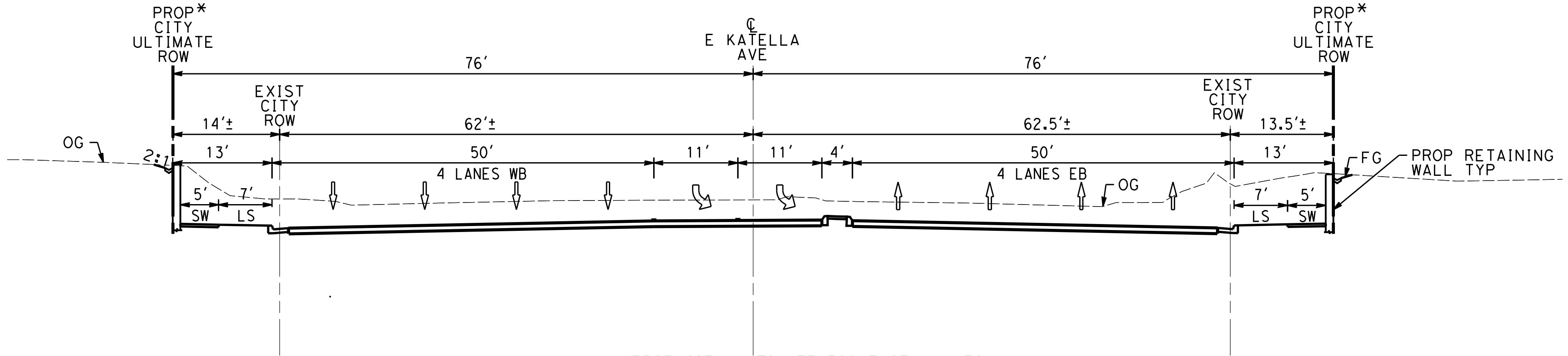
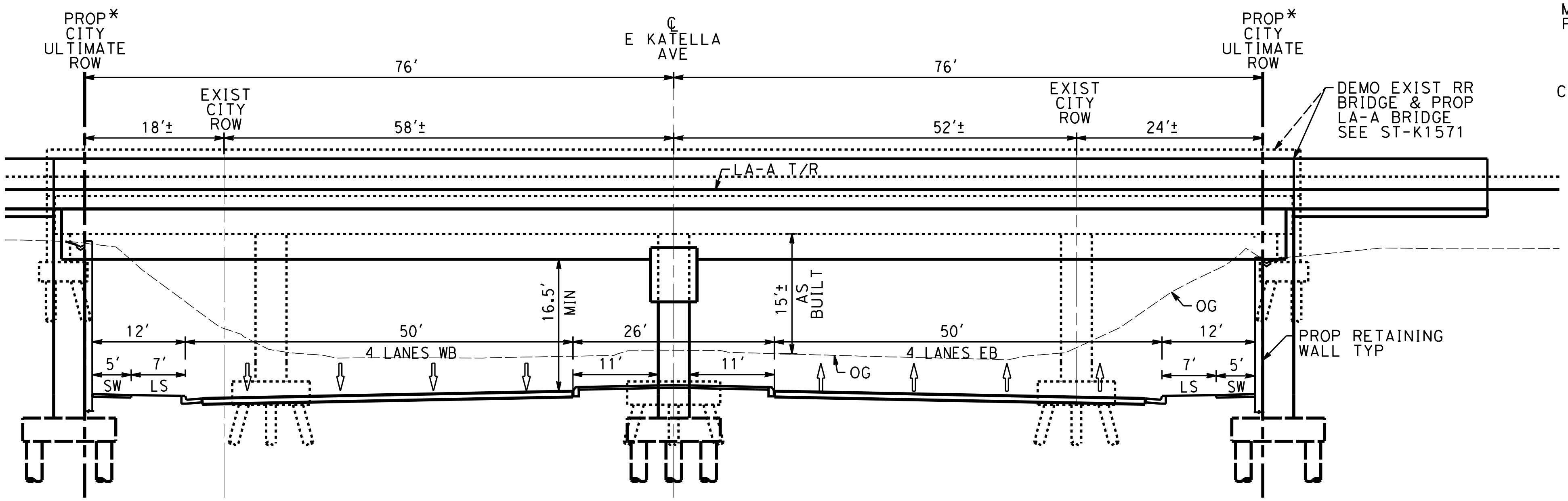
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 1B

PROP CONDITION
STA 50+00 (C)
CV-T1576 AS SHOWN -



* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 1B

PROP CONDITION
STA 54+00 (D)
CV-T1576 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

ChiangM 2/6/2025 1:11:31 PM CHSR_PDF_half_black.plt
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REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD SUBMITTAL FOR INTERNAL USE ONLY

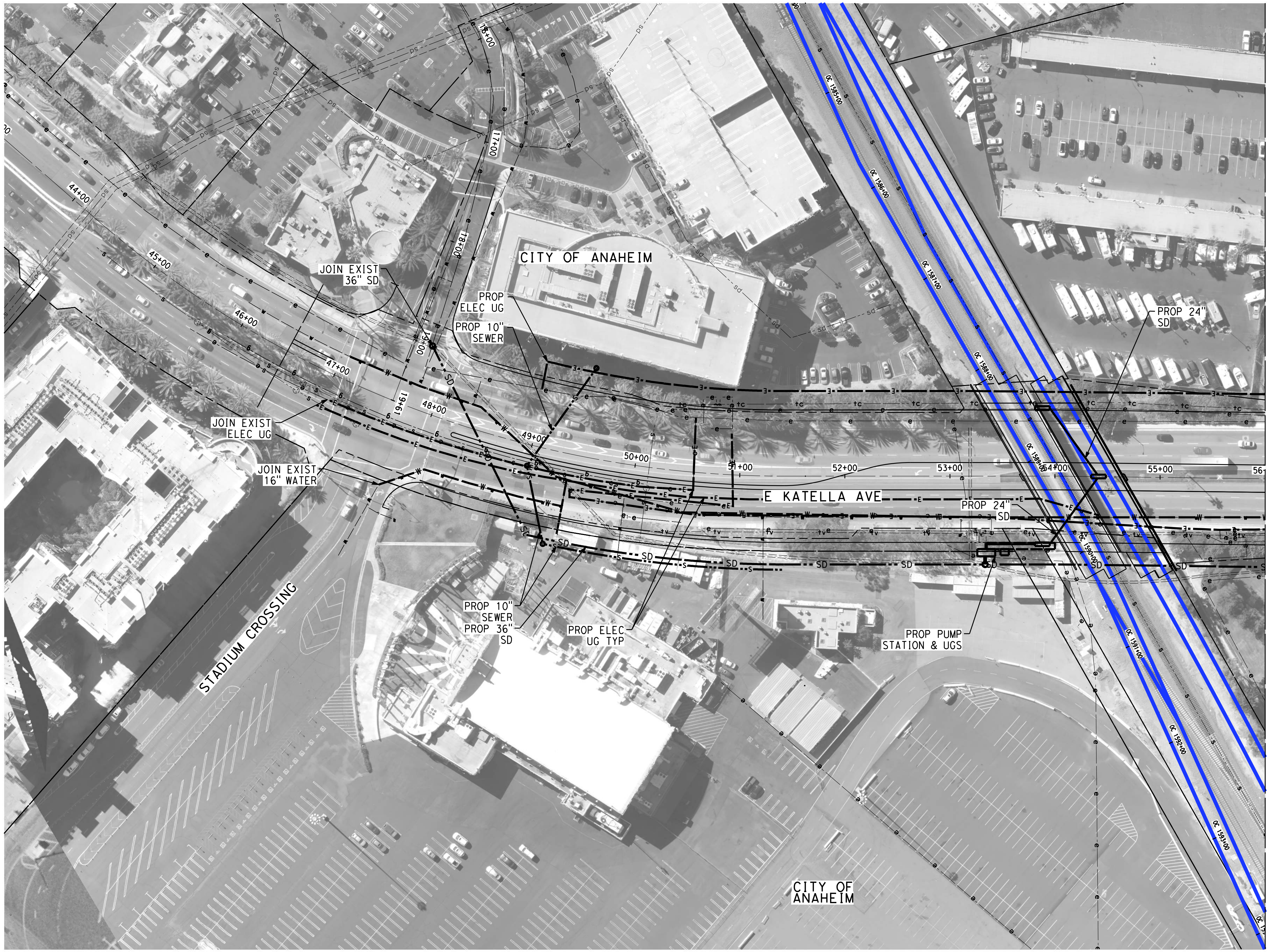
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T3571
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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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. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

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 - E KATELLA AVE
UTILITY PLAN - SHEET 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1576
SCALE
AS SHOWN
SHEET NO.

ChiangM 2/6/2025 1:11:46 PM CHSR_PDF_half_black.plt
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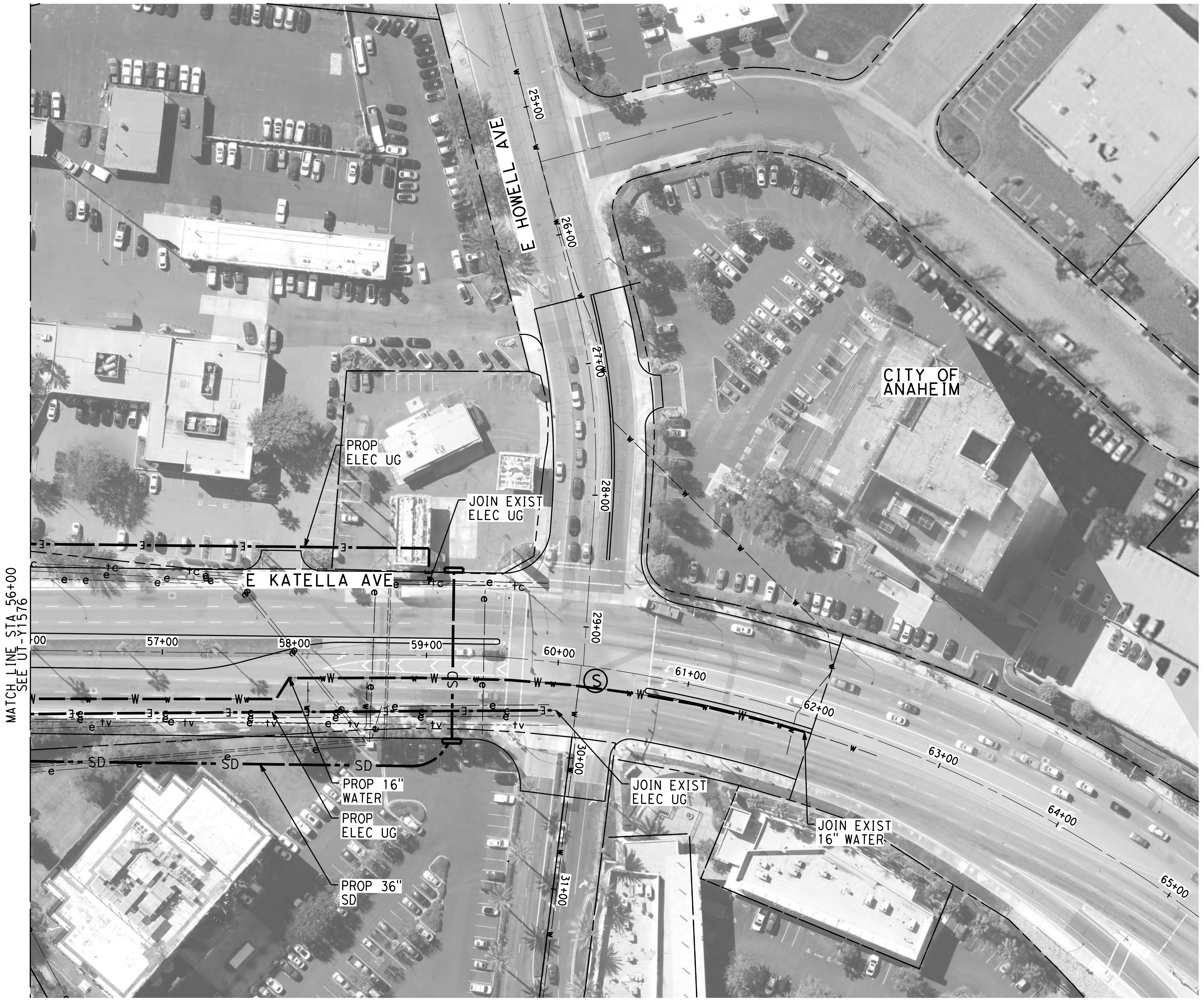

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

ChiangM 2/6/2025 1:12:12 PM CHSR_PDF_half_black.plt
I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\CV\LO-UT-Y1577.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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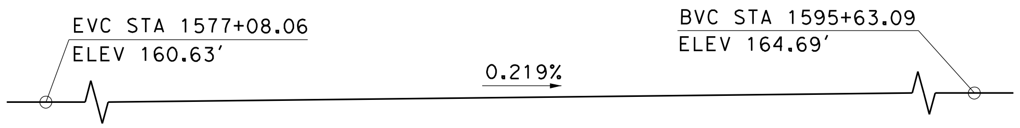
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

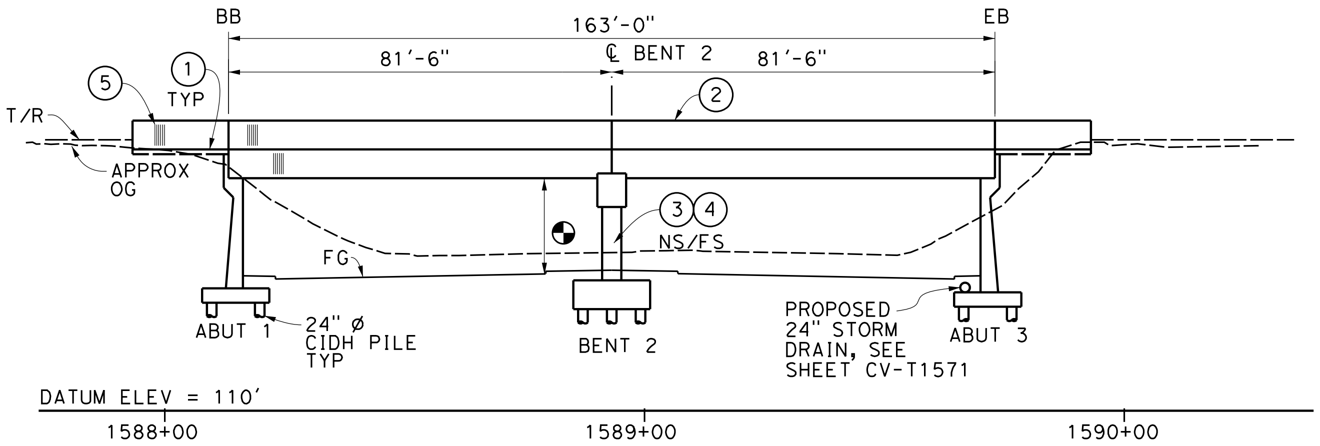
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E KATELLA AVE
UTILITY PLAN - SHEET 2 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1577
SCALE
AS SHOWN
SHEET NO.



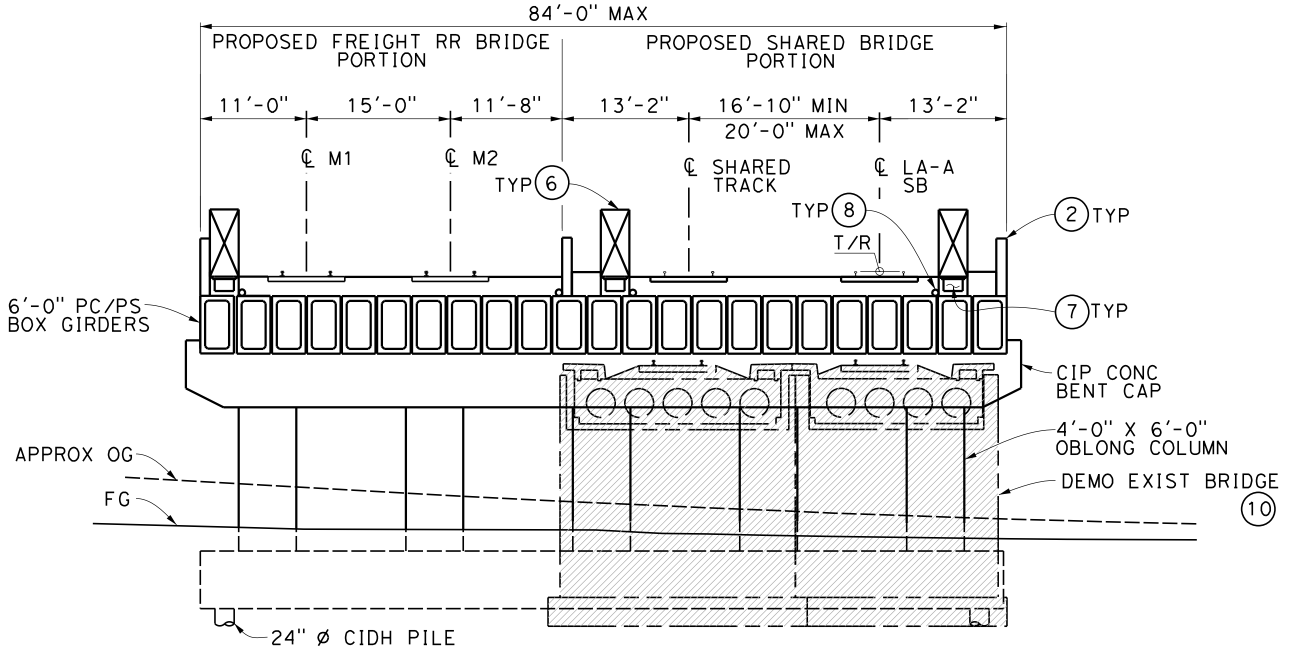
TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



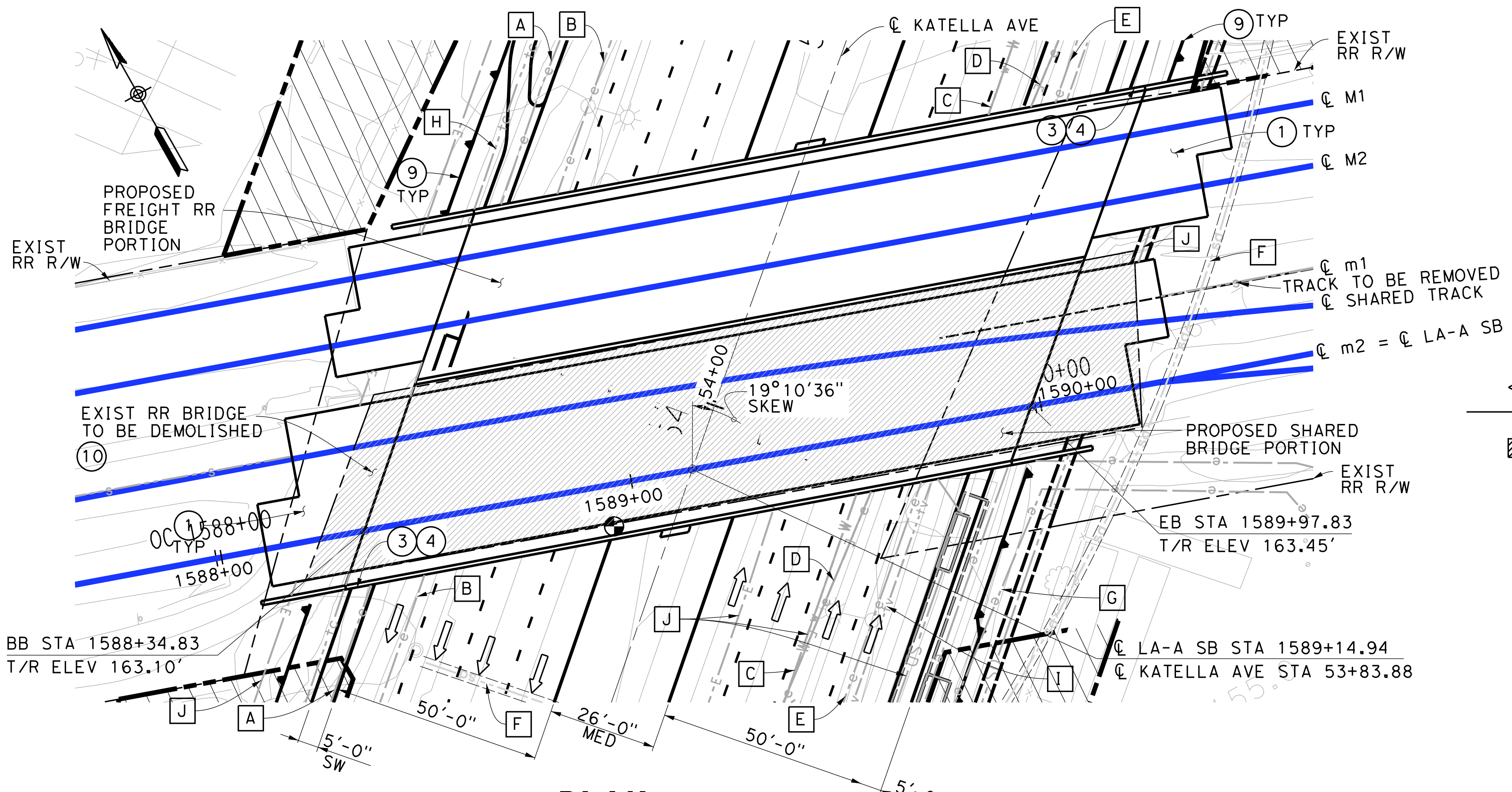
ELEVATION

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 "KATELLA AVENUE UNDERPASS"
⑤	ARCHITECTURAL TREATMENT (TO BE DETERMINED)
⑥	WALKWAY (3'-0" WIDE)
⑦	NEW UTILITY DUCT
⑧	DRAINAGE PIPE
⑨	RETAINING WALL (SEE CV-T1571)
⑩	DEMOLISH EXISTING BRIDGE

LEGEND:

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

EXISTING UTILITIES:

A	EXIST 6.9 KV 240Y/120V UNDERGROUND ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
B	EXIST 6.9 KV 240Y/120V UNDERGROUND ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
C	EXIST 12" CIP WATER, CITY OF ANAHEIM (PROTECT IN PLACE)
D	EXIST UNDERGROUND ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
E	EXIST UNDERGROUND ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
F	EXIST 27" RCP STORM DRAIN, CITY OF ANAHEIM (RELOCATE)
G	EXIST UNDERGROUND ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
H	EXIST COMMUNICATION LINE (VERIZON BUSINESS), CITY OF ANAHEIM (RELOCATE)
I	EXIST CABLE TV COMMUNICATION LINE (TIME WARNER), CITY OF ANAHEIM (RELOCATE)
J	PROPOSED UTILITY RELOCATION. SEE VOL. 4 UT-D1622

FOUNDATION:

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

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

GENERAL NOTES:

1. FOR STAGE CONSTRUCTION NOTES, SEE ST-K1572.
2. PROPOSED BRIDGE HAS AN OUTWARD 2% SLOPE FROM ℄ OF EACH BRIDGE PORTION.
3. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
4. ALL TRACKS ARE AT THE SAME ELEVATION.
5. ELECTRIFIED TRACKS ON SOUTH SIDE.

TRAFFIC (PER DAY):

ADT_{2009}: 34,200
ADT_{2035}: 50,000
TRAIN $VOLUME_{2030}$: 118 FREIGHT
28 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
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2/6/2025
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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

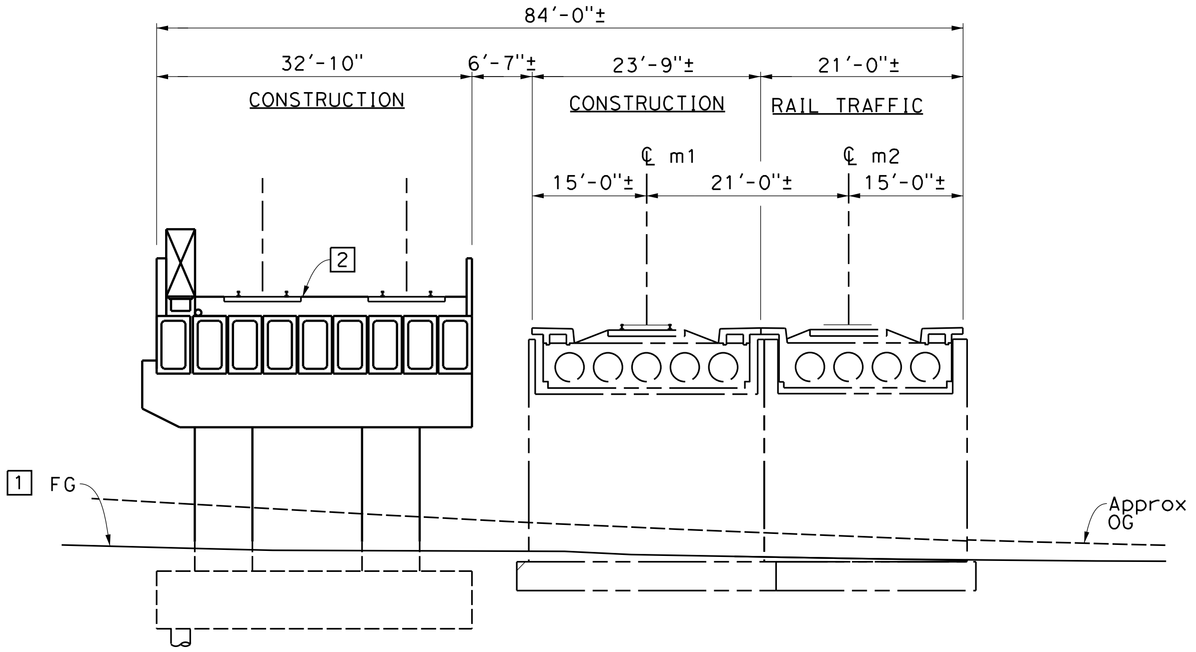
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - KATELLA AVE
GENERAL PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1571
SCALE AS SHOWN
SHEET NO.

SUGGESTED CONSTRUCTION STAGING:

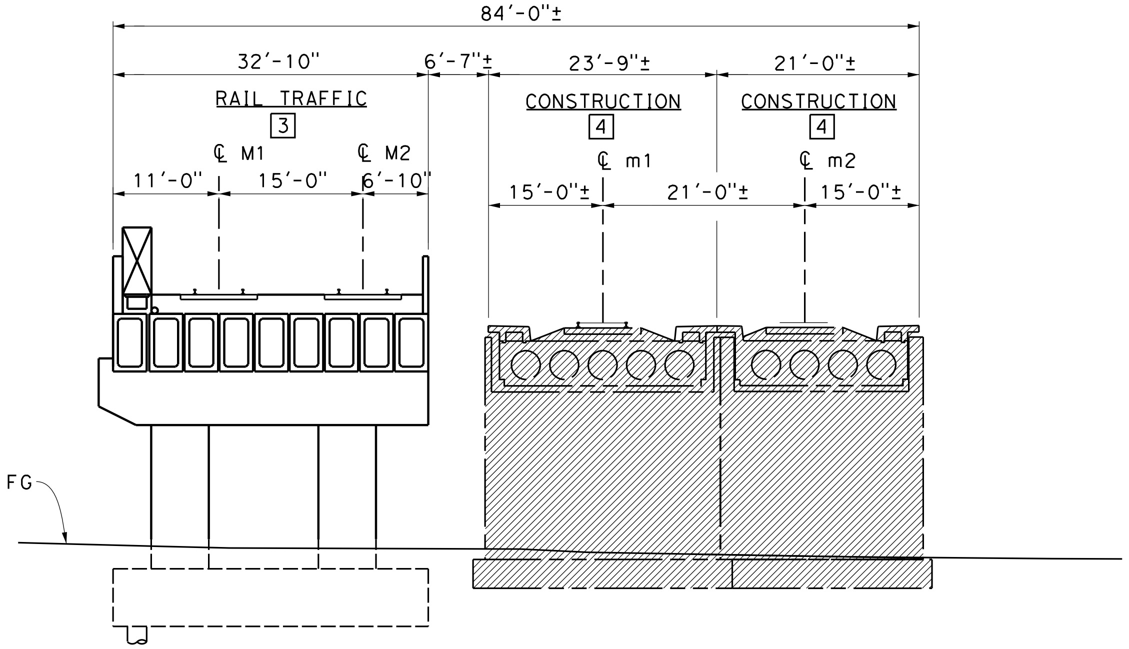
STAGE 1 REGRADE CURRENT ROADWAY.

STAGE 2 CONSTRUCT 2 OF THE FOUR TRACKS PORTION RR BRIDGE.



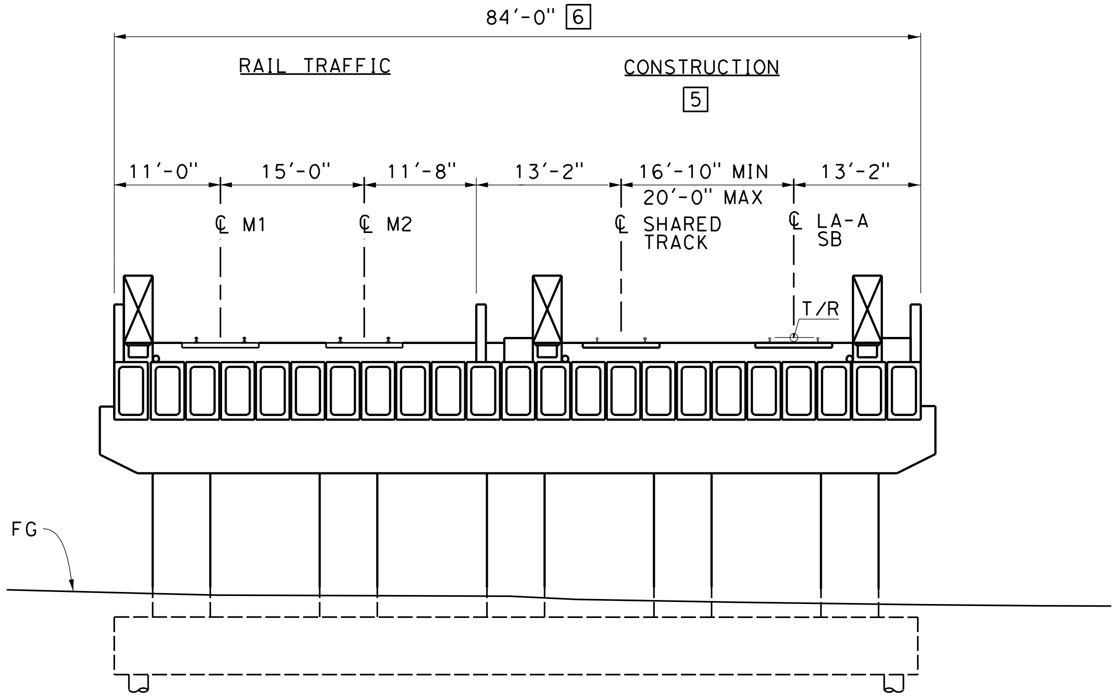
STAGE 3 SHIFT NB RAIL TRAFFIC ON NEWLY CONSTRUCTED RR BRIDGE.

STAGE 4 DEMOLISH EXISTING RR BRIDGE.



STAGE 5 CONSTRUCT REMAINING PORTION OF THE HST/SHARED TRACK BRIDGE.

STAGE 6 SHIFT ALL RAIL TRAFFIC TO FINAL LOCATIONS.



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 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 - KATELLA AVE
STAGE CONSTRUCTION

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1572
SCALE 1" = 10'
SHEET NO.

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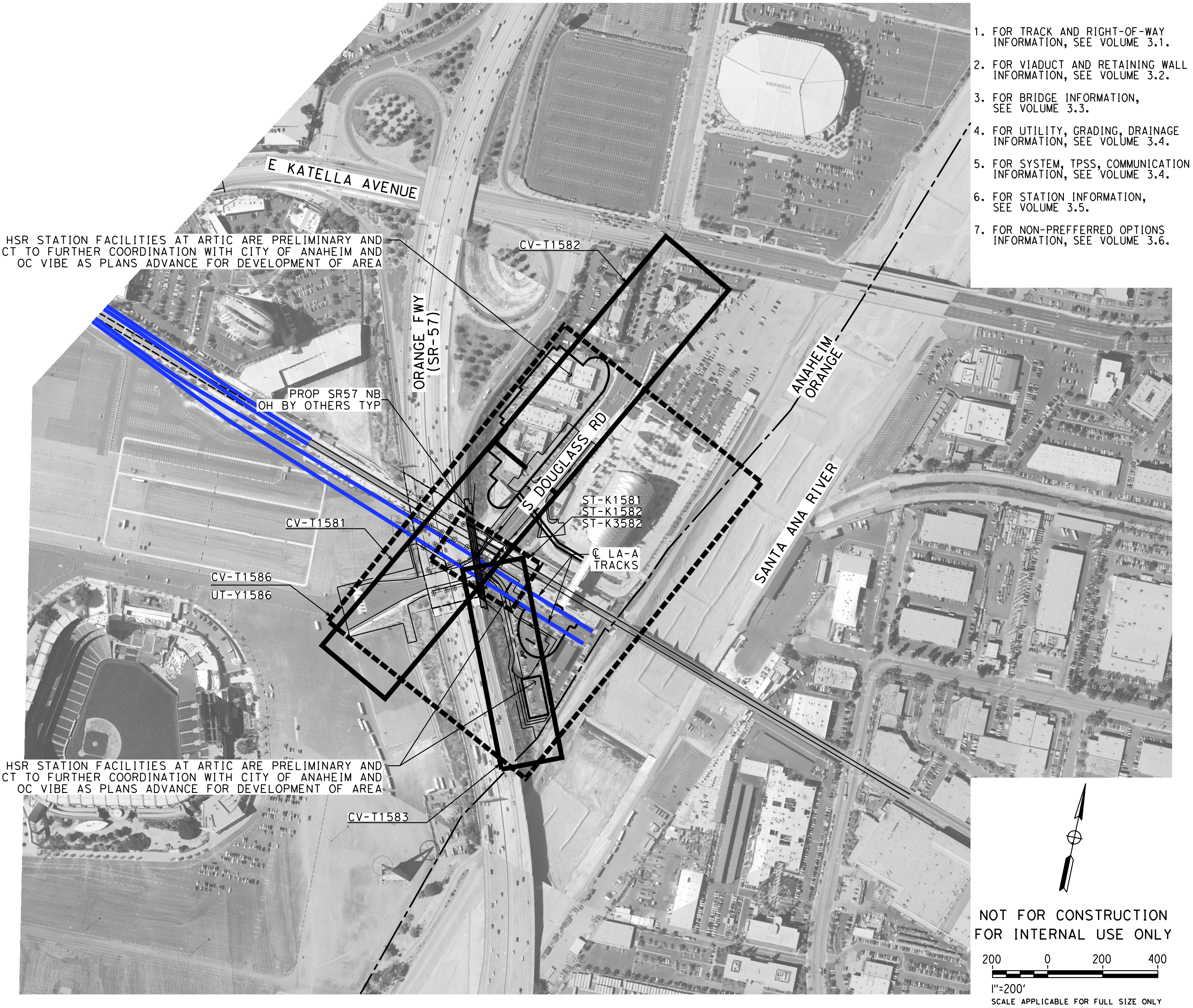
ChiangM


E KATELLA AVENUE
DESIGN OF HSR STATION FACILITIES AT ARTIC ARE PRELIMINARY AND SUBJECT TO FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
CV-T1582
ORANGE FWY (SR-57)
PROP SR57 NB OH BY OTHERS TYP
ANAHEIM
ORANGE
S DOUGLASS RD
ST-K1581
ST-K1582
ST-K3582
CV-T1581
℄ LA-A TRACKS
SANTA ANA RIVER
CV-T1586
UT-Y1586
DESIGN OF HSR STATION FACILITIES AT ARTIC ARE PRELIMINARY AND SUBJECT TO FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
CV-T1583
200 0 200 400
1"=200'
SCALE APPLICABLE FOR FULL SIZE ONLY

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

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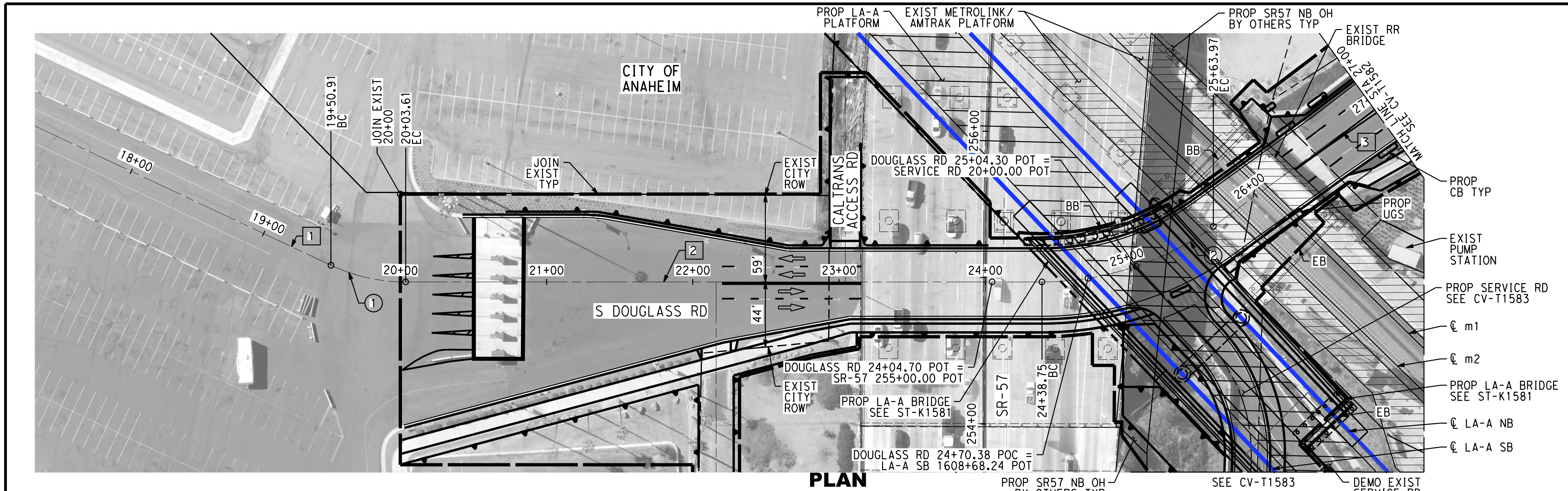
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

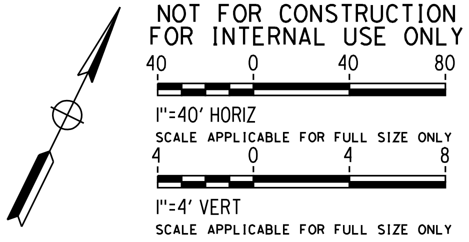
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S DOUGLASS RD
ORIENTATION MAP

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T0581
SCALE 1" = 200'
SHEET NO.

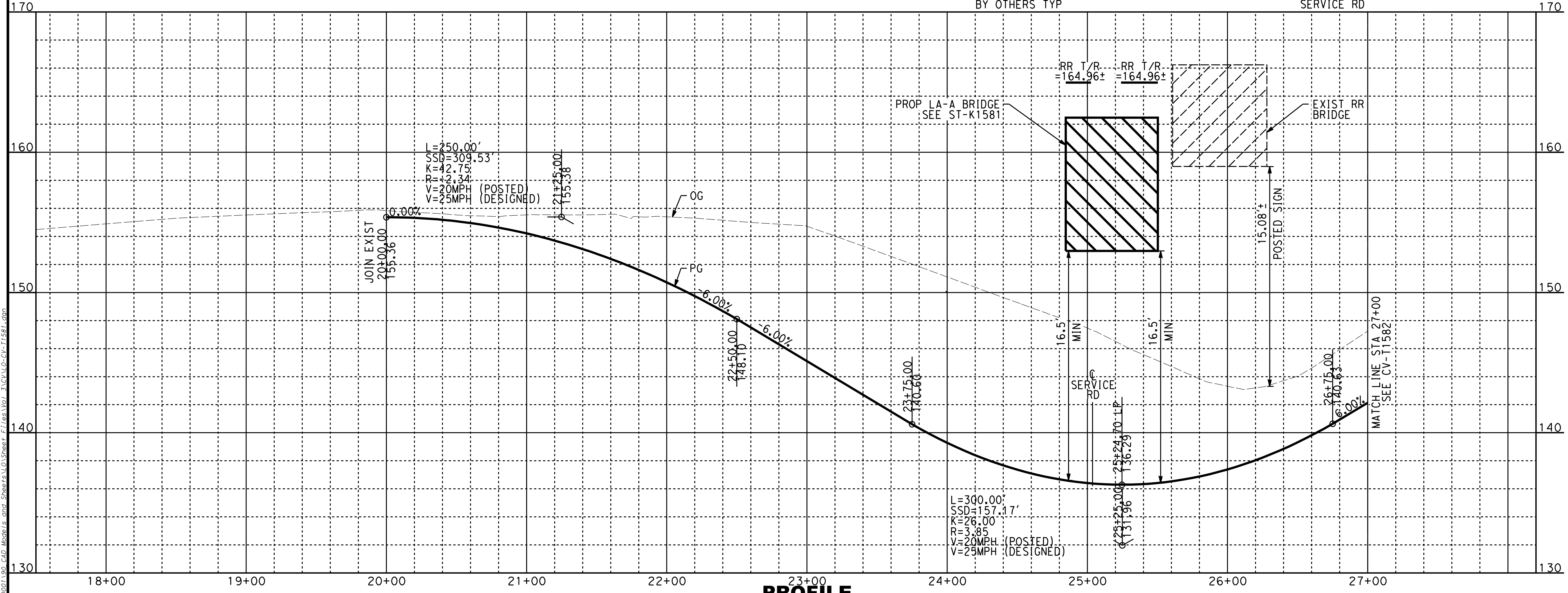
$PLOT$



PLAN


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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



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.

CURVE DATA

NO	R	Δ	T	L
①	120.00'	25°09'55"	26.79'	52.71'
②	200.00'	35°52'22"	64.74'	125.22'

LINE DATA

NO	BEARING	DISTANCE
1	N89°07'22"E	911.37'
2	N63°57'27"E	435.14'
3	N28°05'08"E	330.57'

ChiangM 2/6/2025 1:13:38 PM CHSR_PDF_half_black.plt
I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\CV\LO-CV-T1581.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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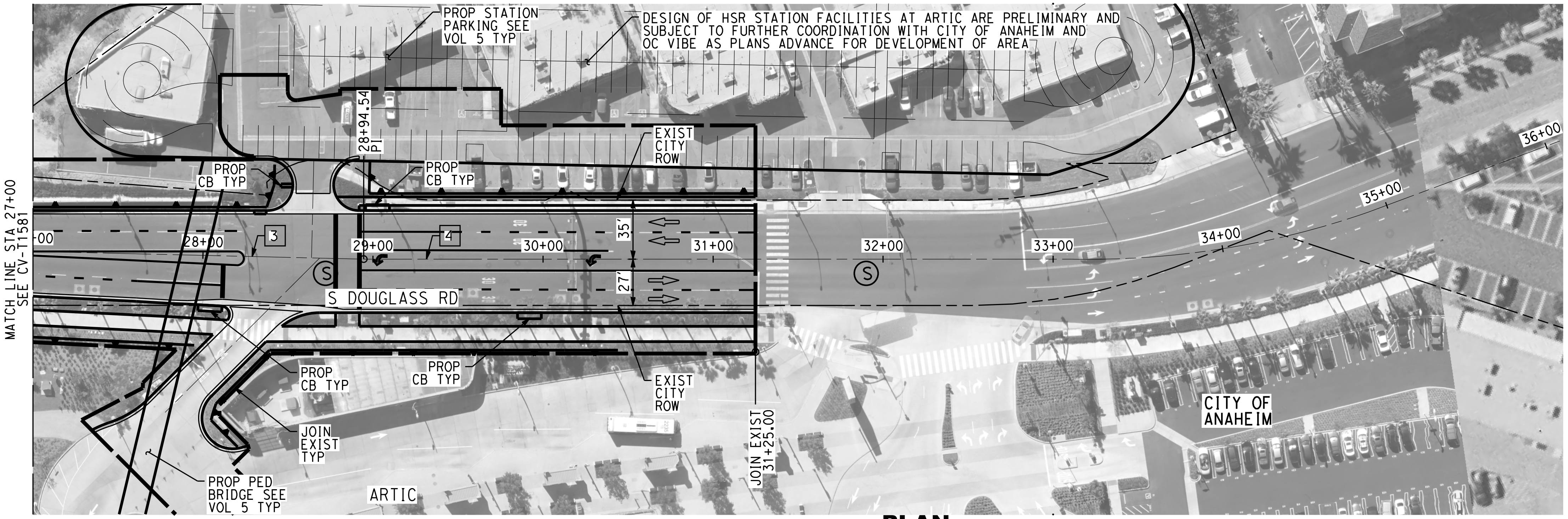
stv

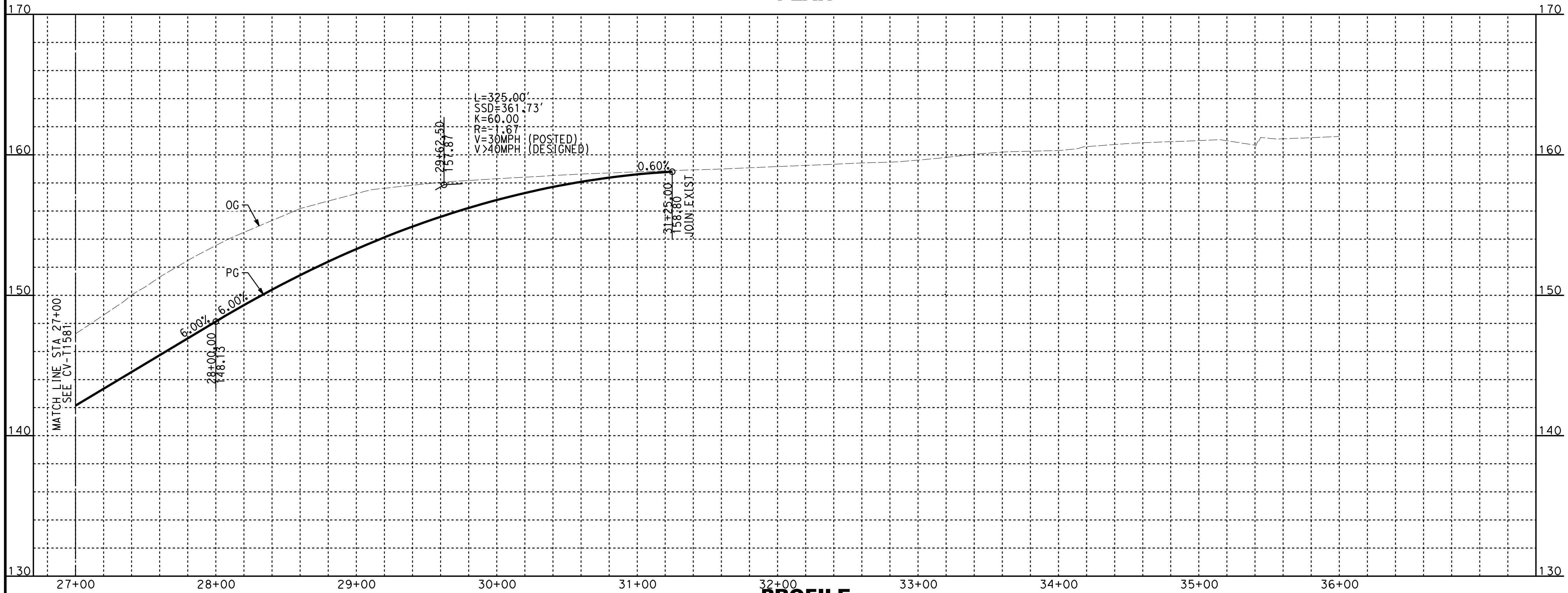
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1581
SCALE AS SHOWN
SHEET NO.


PROP STATION PARKING SEE VOL 5 TYP
DESIGN OF HSR STATION FACILITIES AT ARTIC ARE PRELIMINARY AND SUBJECT TO FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
28+94.54 PI
EXIST CITY ROW
PROP CB TYP
PROP CB TYP
MATCH LINE STA 27+00 SEE CV-T1581
3
4
35'
27'
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
S
S DOUGLASS RD
PROP CB TYP
PROP CB TYP
EXIST CITY ROW
JOIN EXIST TYP
JOIN EXIST 31+25.00
PROP PED BRIDGE SEE VOL 5 TYP
ARTIC
CITY OF ANAHEIM

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	N28°05'08"E	330.57'
4	N26°44'41"E	416.37'

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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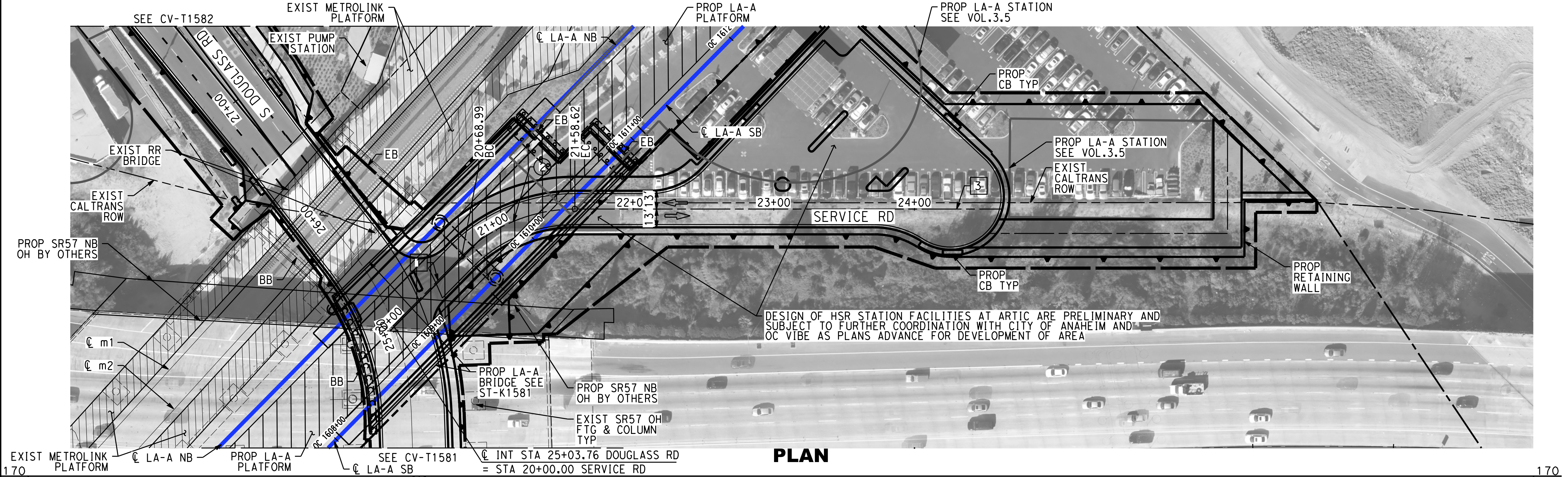
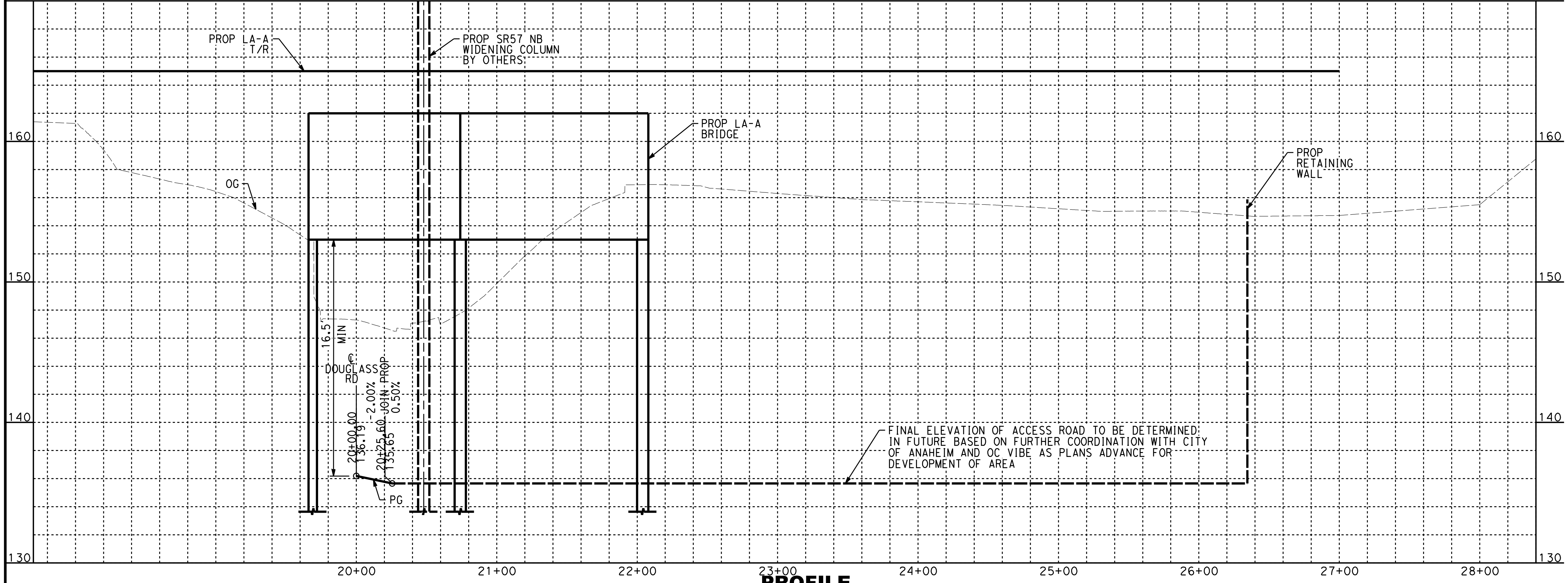
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1582
SCALE AS SHOWN
SHEET NO.



PLAN


170
160
150
140
130
PROP LA-A T/R
PROP SR57 NB WIDENING COLUMN BY OTHERS
PROP LA-A BRIDGE
PROP RETAINING WALL
OG
16.5' MIN
℄ DOUGLASS RD
20+00.00 136.19
-2.00%
20+25.60 135.65
JOIN PROP 0.50%
PG
FINAL ELEVATION OF ACCESS ROAD TO BE DETERMINED IN FUTURE BASED ON FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+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

CURVE DATA

NO	R	Δ	T	L
②	113.00'	45°26'57"	47.33'	89.64'

LINE DATA

NO	BEARING	DISTANCE
1	S69°38'07"E	68.99'
3	S24°11'10"E	303.88'

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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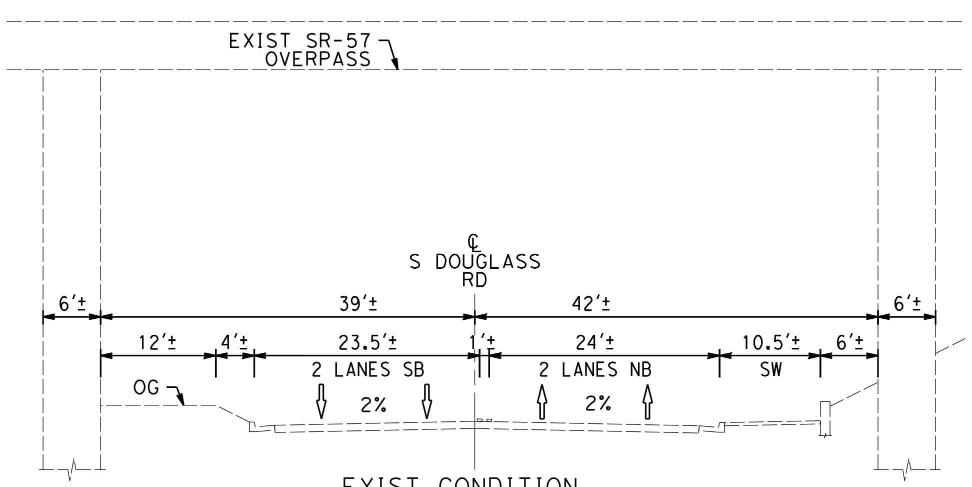
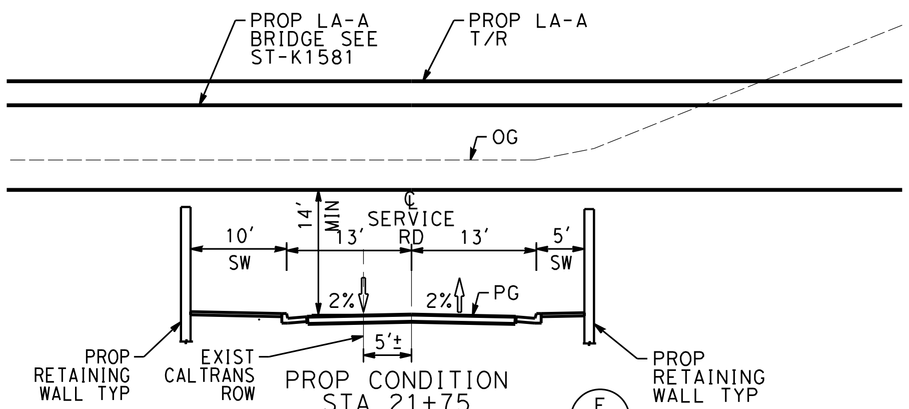
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1583
SCALE
AS SHOWN
SHEET NO.



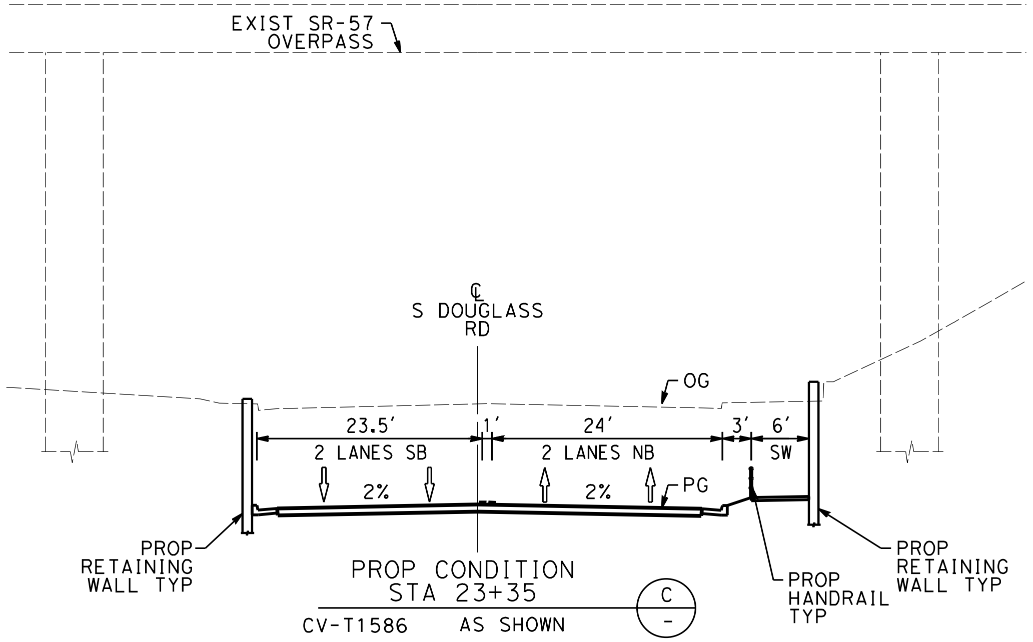
EXIST CONDITION
STA 23+35
CV-T1586 AS SHOWN
B
-



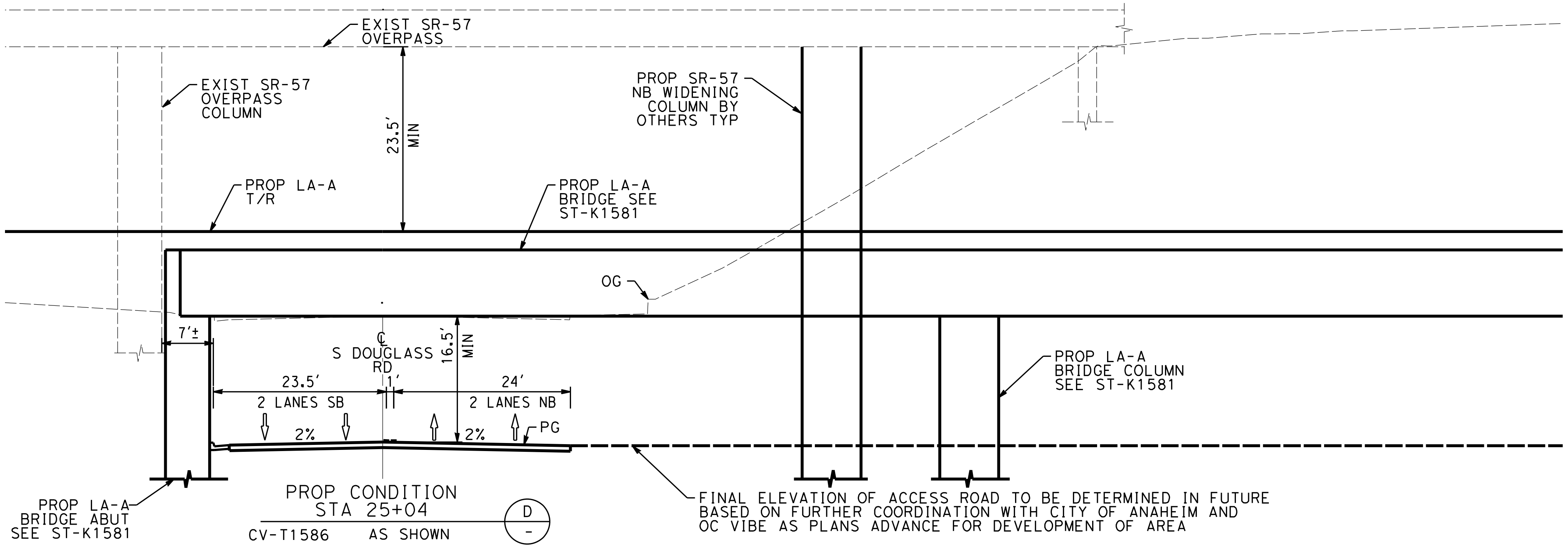
PROP CONDITION
STA 21+75
CV-T1586 AS SHOWN
E
-

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.



PROP CONDITION
STA 23+35
CV-T1586 AS SHOWN
C
-



PROP CONDITION
STA 25+04
CV-T1586 AS SHOWN
D
-

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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SUBMITTAL
FOR INTERNAL
USE ONLY

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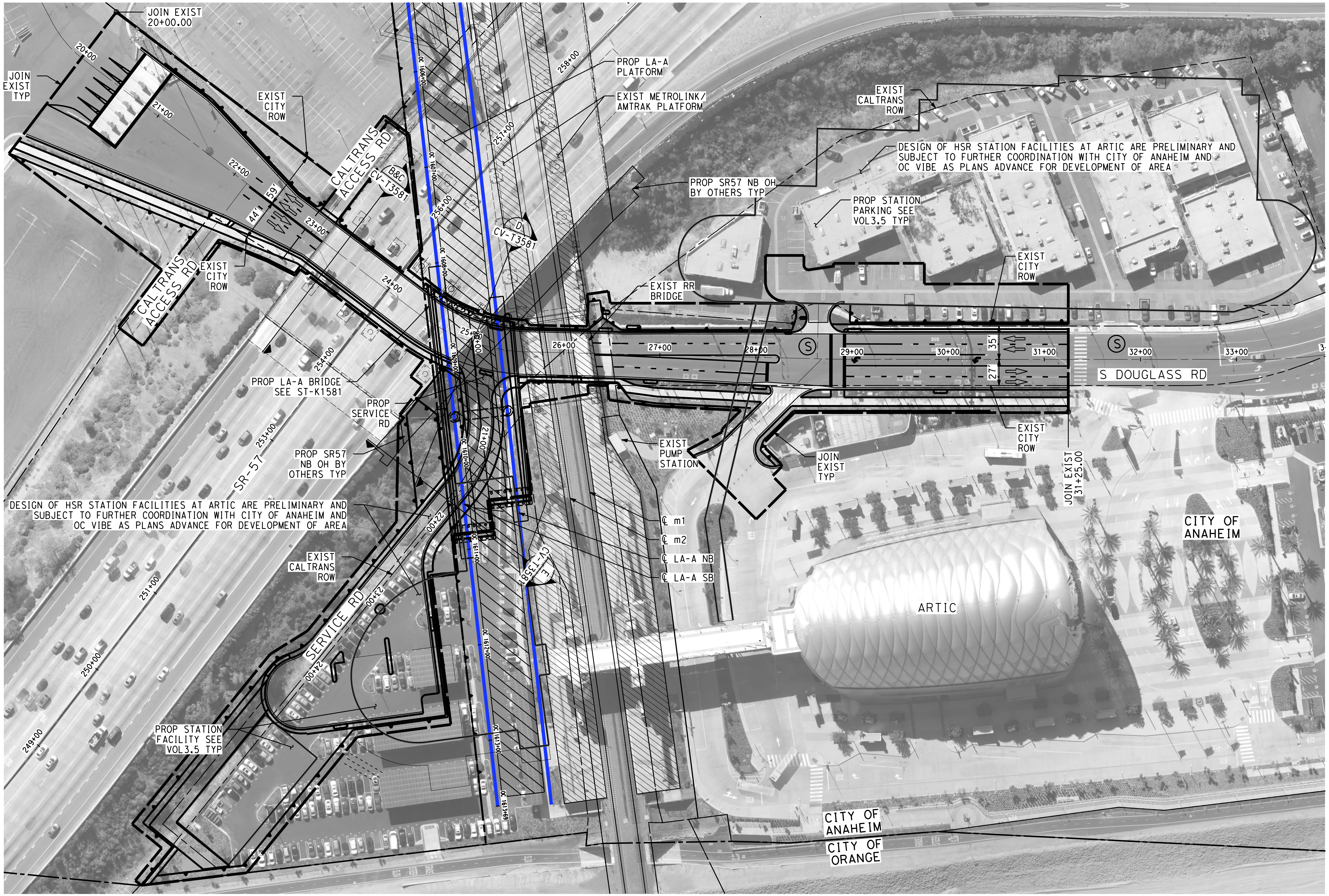
CONSTRUCTION

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T3581
SCALE
AS SHOWN
SHEET NO.


JOIN EXIST 20+00.00
JOIN EXIST TYP
20+00
21+00
22+00
23+00
24+00
59'
44'
EXIST CITY ROW
CALTRANS ACCESS RD
B&C CV-T3581
D CV-T3581
E CV-T3581
256+00
257+00
258+00
255+00
254+00
253+00
252+00
251+00
250+00
249+00
PROP LA-A PLATFORM
EXIST METROLINK/ AMTRAK PLATFORM
PROP SR57 NB OH BY OTHERS TYP
EXIST CALTRANS ROW
DESIGN OF HSR STATION FACILITIES AT ARTIC ARE PRELIMINARY AND SUBJECT TO FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
PROP STATION PARKING SEE VOL3.5 TYP
EXIST CITY ROW
EXIST RR BRIDGE
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
35'
27'
S DOUGLASS RD
PROP LA-A BRIDGE SEE ST-K1581
PROP SERVICE RD
EXIST PUMP STATION
JOIN EXIST TYP
EXIST CITY ROW
JOIN EXIST 31+25.00
PROP SR57 NB OH BY OTHERS TYP
SR-57
DESIGN OF HSR STATION FACILITIES AT ARTIC ARE PRELIMINARY AND SUBJECT TO FURTHER COORDINATION WITH CITY OF ANAHEIM AND OC VIBE AS PLANS ADVANCE FOR DEVELOPMENT OF AREA
℄ m1
℄ m2
℄ LA-A NB
℄ LA-A SB
EXIST CALTRANS ROW
SERVICE RD
21+00
22+00
23+00
24+00
CITY OF ANAHEIM
ARTIC
PROP STATION FACILITY SEE VOL3.5 TYP
CITY OF ANAHEIM
CITY OF ORANGE

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

NOT FOR CONSTRUCTION

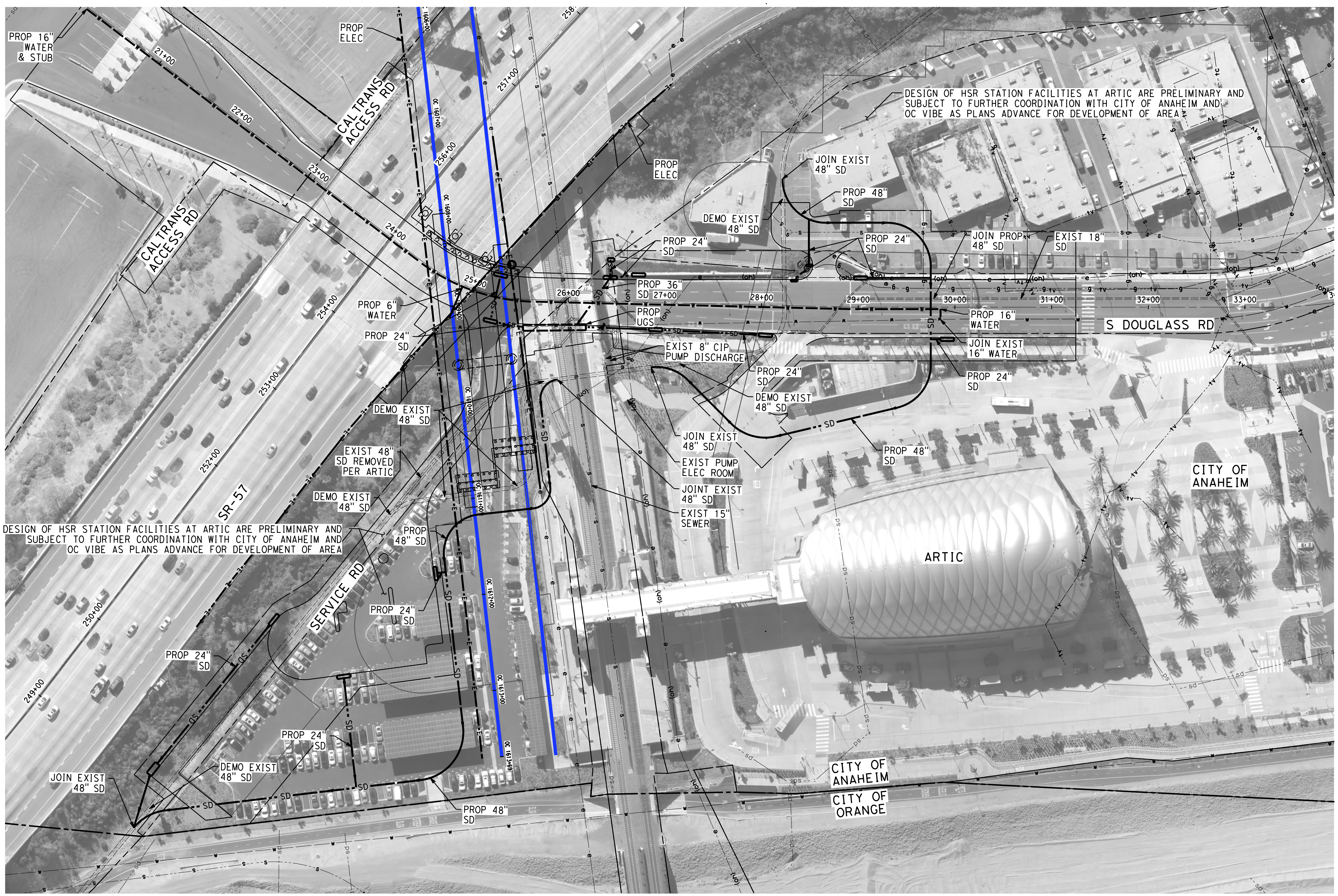
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1586
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.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.
4. 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

NOT FOR CONSTRUCTION

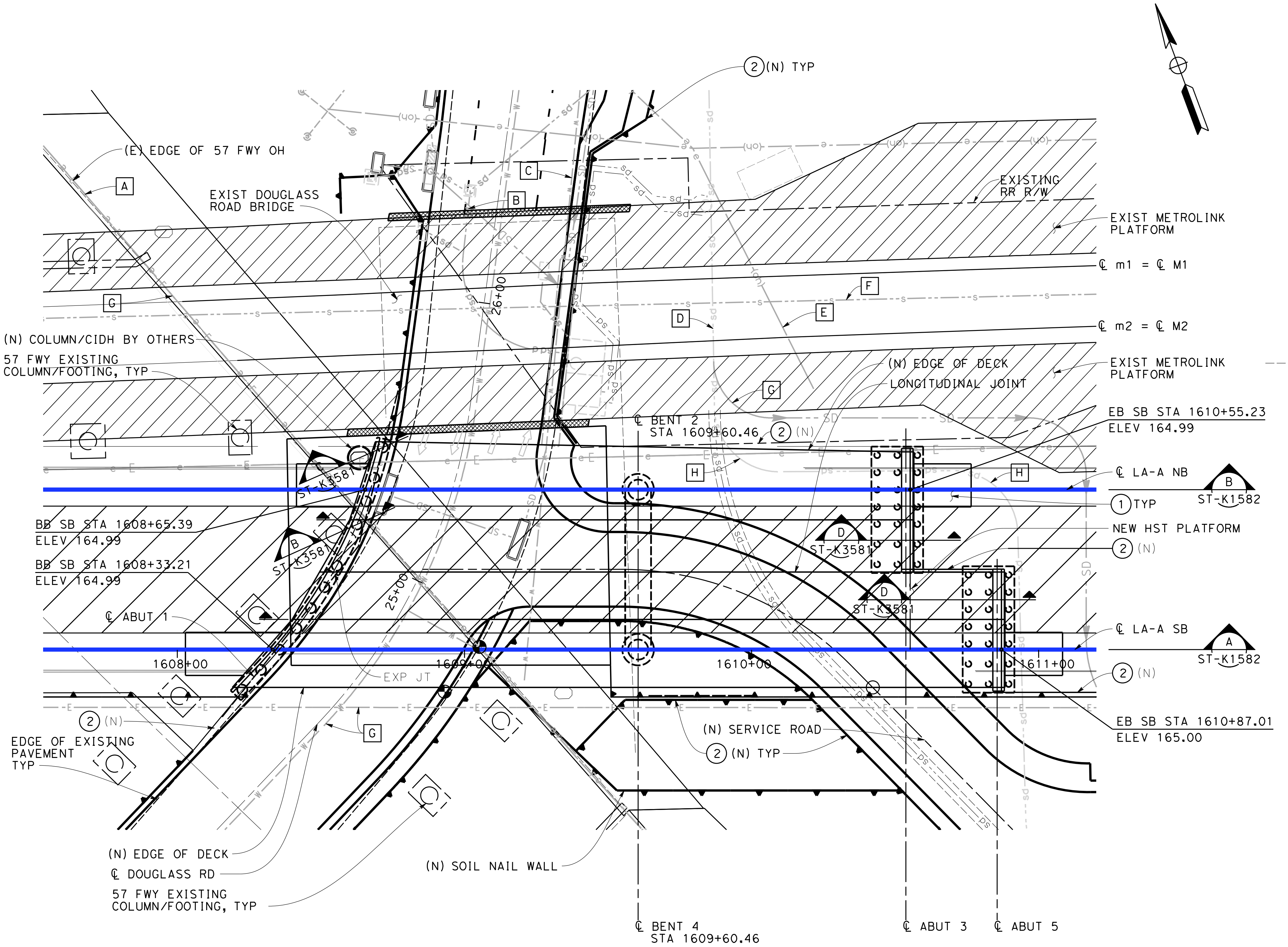
stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1586
SCALE
AS SHOWN
SHEET NO.

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



PLAN

1"=20'-0"

FOUNDATION:

ABUTMENT 1: ASSUME 42"Ø CIDH, L = 80'
365 KIPS @ SERVICE

BENT 2 & 4: ASSUME 132" Ø CIDH, L = 80'
5215 KIPS @ SERVICE

ABUTMENT 3: ASSUME 24" Ø CIDH, L = 60'
183 KIPS @ SERVICE

ABUTMENT 5: ASSUME 24" Ø CIDH, L = 60'
180 KIPS @ SERVICE

TRAFFIC (PER DAY):

ADT_{2008}: 6,700
ADT_{2035}: N/A
$TRAIN\ VOLUME_{2030}$: 118 FREIGHT
28 METROLINK
40 AMTRAK

LEGEND:

◐	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6") BETWEEN HSR BRIDGE AND DOUGLASS RD
◐	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (24'-0"±) BETWEEN HSR BRIDGE AND SR-57
⇦	INDICATES DIRECTION OF TRAFFIC
– – – –	INDICATES EXISTING BRIDGE
(M)	PROPOSED ALIGNMENT
(m)	EXISTING ALIGNMENT
(N)	NEW
(E)	EXISTING
○	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (14')

EXISTING UTILITIES:

A	EXIST 12kV ELECTRICAL LINE, CITY OF ANAHEIM (RELOCATE)
B	EXIST 36" RCP STORM DRAIN, CITY OF ANAHEIM (RELOCATE)
C	EXIST 16" DIP WATER LINE, CITY OF ANAHEIM (RELOCATE)
D	EXIST 48" RCP STORM DRAIN, CALTRANS/OCFCD (PROTECT IN PLACE)
E	EXIST OVERHEAD ELECTRICAL LINE, CITY OF ANAHEIM (PROTECT IN PLACE)
F	EXIST SEWER, CITY OF ANAHEIM (PROTECT IN PLACE)
G	PROPOSED UTILITY RELOCATION. SEE CT-Y1586, VOL3.4 UT-D1623 AND UT-D1624.
H	DEMOLISH EXIST 48" RCP SD CALTRANS/OCFCD, SEE CT-Y1586

NOTES:

①	STRUCTURE APPROACH SLAB
②	RETAINING WALL

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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ChiangM

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY Y. WUNSCH
DRAWN BY P. MCDONALD
CHECKED BY S. LEE
IN CHARGE J. SWANSON
DATE 02/28/25

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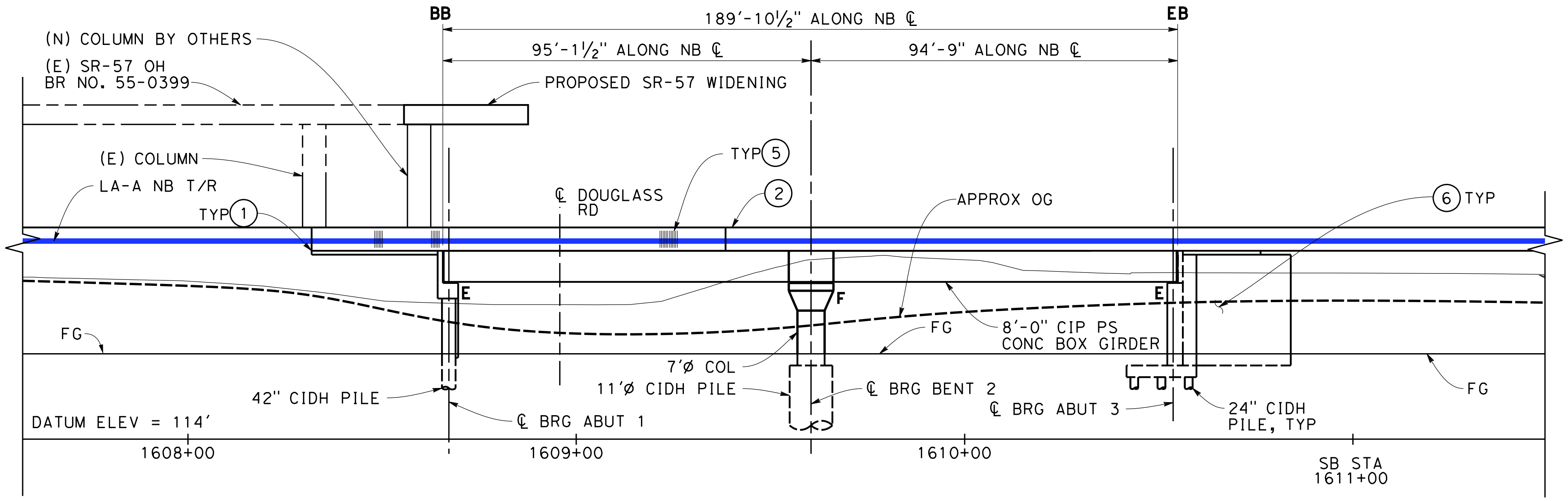
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - SOUTH DOUGLASS ROAD
GENERAL PLAN

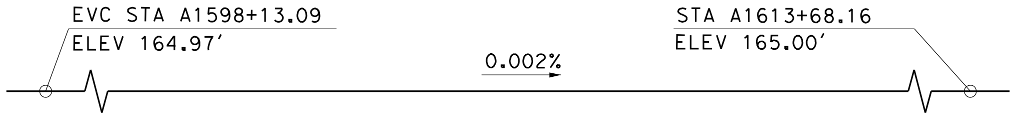
CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1581
SCALE AS SHOWN
SHEET NO.



ELEVATION - HST BRIDGE - NB

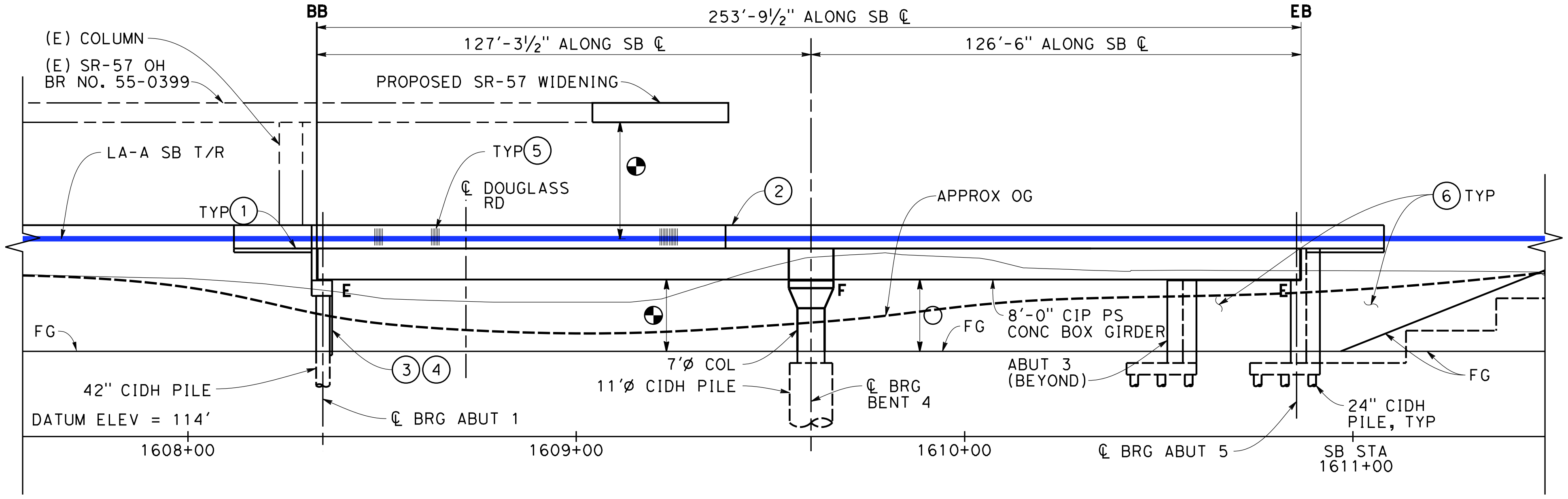
Ⓑ ST-K1581

(VIEW LOOKING NORTH)
SCALE: 1"=20'-0"



TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



ELEVATION - HST BRIDGE - SB

Ⓐ ST-K1581

(VIEW LOOKING NORTH)
SCALE: 1"=20'-0"

NOTES:

① STRUCTURE APPROACH SLAB
② PARAPET
③ PAINT "BR. NO. XX-XXX"
④ PAINT "DOUGLASS ROAD UNDERPASS"
⑤ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
⑥ RETAINING WALL

LEGEND:

◑	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6") BETWEEN HSR BRIDGE AND DOUGLASS RD
◑	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (24'-0"±) BETWEEN HSR BRIDGE AND SR-57
— — —	INDICATES EXISTING BRIDGE
(E)	EXISTING
(N)	NEW
○	INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (14')

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20 0 20 40
1"=20'
SCALE APPLICABLE FOR FULL SIZE 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 - SOUTH DOUGLASS ROAD
SB & NB ELEVATION

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1582
SCALE AS SHOWN
SHEET NO.

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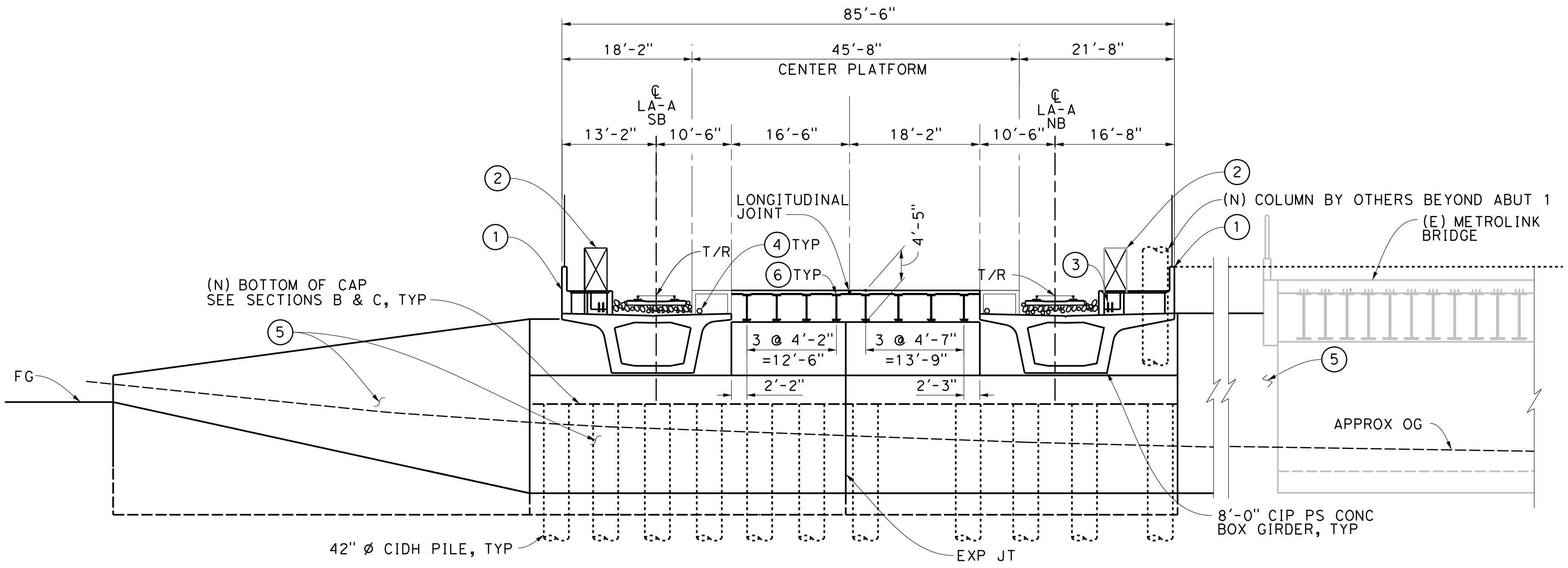


ABUTMENT 1 SECTION

1"=10'-0"

NOTE:
LOOKING BACK STATION

GENERAL NOTES:

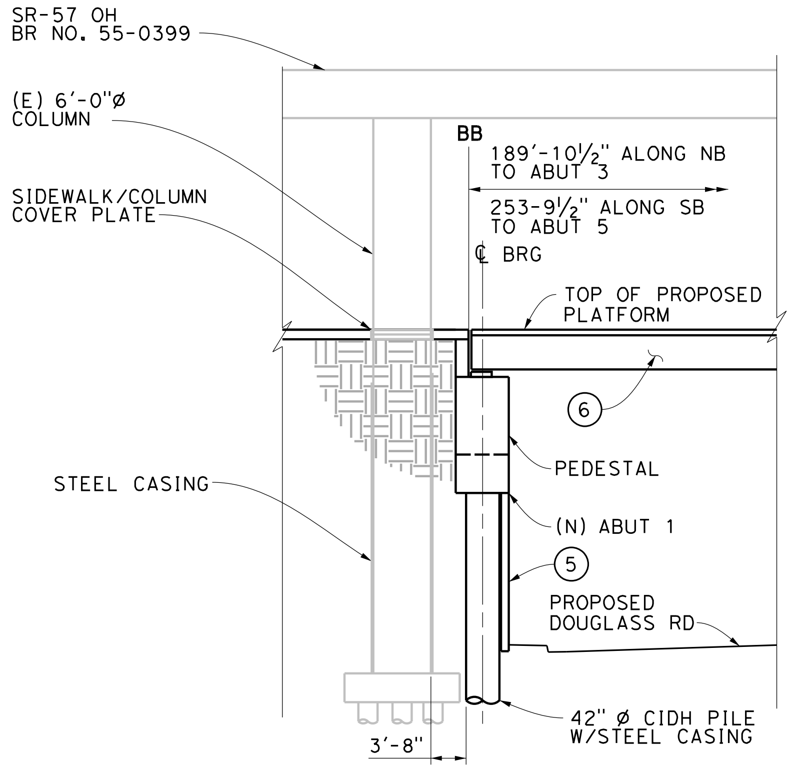
1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
2. ALL PROPOSED TRACKS ARE AT THE SAME ELEVATION.
3. PROPOSED BRIDGES HAS AN OUTWARD 2% SLOPE FROM ℄ OF BRIDGE.
4. THE DIMENSIONS SHOWN IN "ABUTMENT 1 SECTION" ARE MEASURED PERPENDICULAR TO ℄ LA-A NB/SB LINES.

NOTES:

① PARAPET
② WALKWAY (3'-0" WIDE)
③ NEW UTILITY DUCT
④ DRAINAGE PIPE
⑤ FACIA WALL, WALL TYPE TO BE DETERMINED
⑥ STEEL GIRDER W/CIP CONCRETE PLATFORM

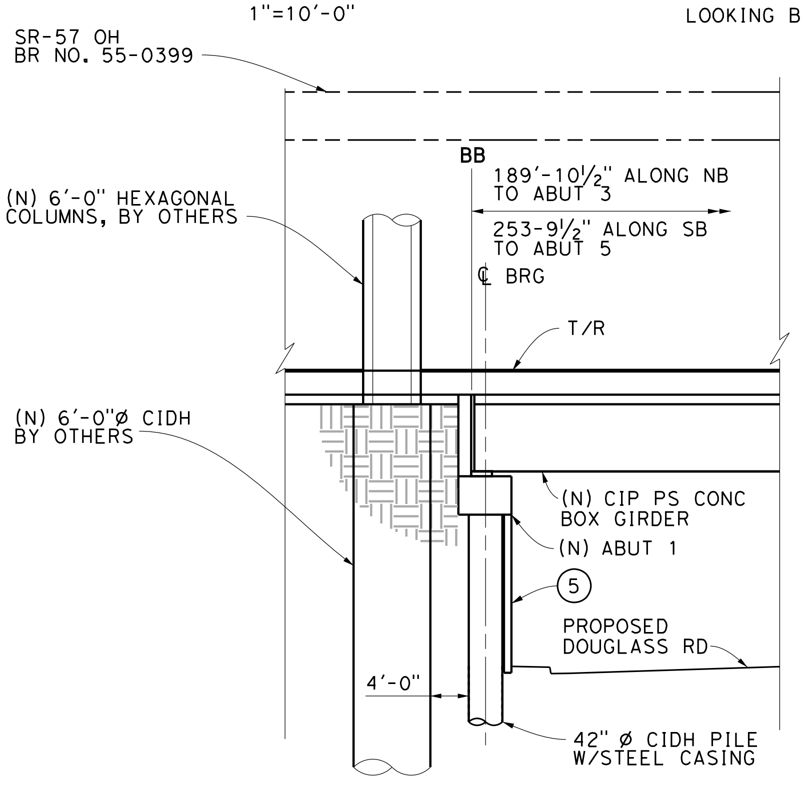
LEGEND:

— — —	INDICATES EXISTING BRIDGE
(N)	NEW
(E)	EXISTING



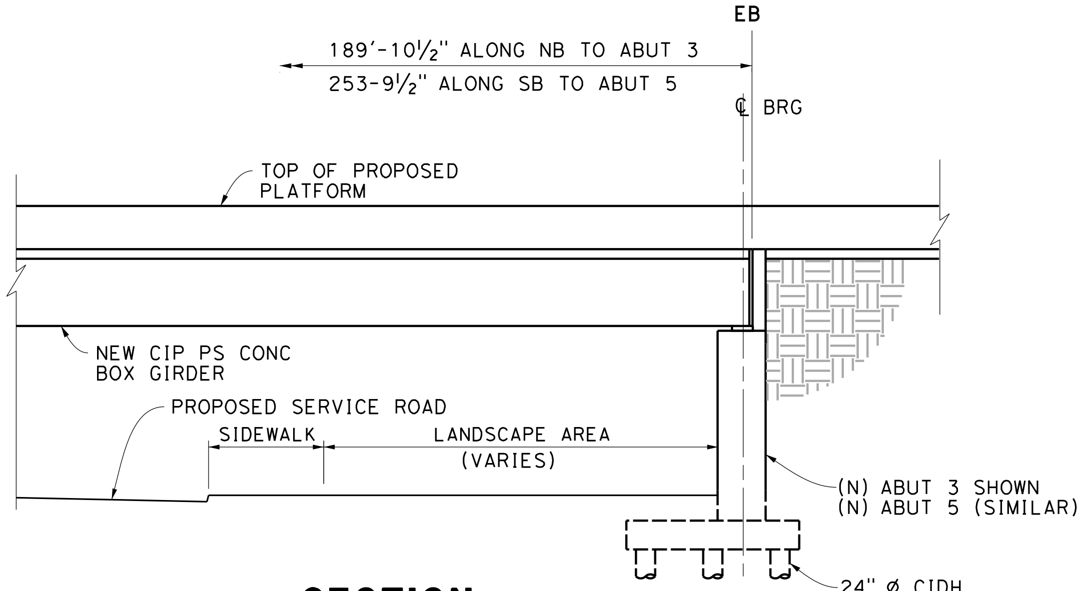
SECTION B

1"=10'-0" ST-K1581


SR-57 OH
BR NO. 55-0399
(N) 6'-0" HEXAGONAL COLUMNS, BY OTHERS
BB
189'-10½" ALONG NB TO ABUT 3
253-9½" ALONG SB TO ABUT 5
℄ BRG
T/R
(N) 6'-0"ø CIDH BY OTHERS
(N) CIP PS CONC BOX GIRDER
(N) ABUT 1
⑤
PROPOSED DOUGLASS RD
4'-0"
42" ø CIDH PILE W/STEEL CASING

SECTION C

1"=10'-0" ST-K1581



SECTION D

1"=10'-0" ST-K1581

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FOR INTERNAL USE ONLY

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

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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 - SOUTH DOUGLASS ROAD
TYPICAL SECTION (SHEET 1 OF 2)

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3581
SCALE AS SHOWN
SHEET NO.

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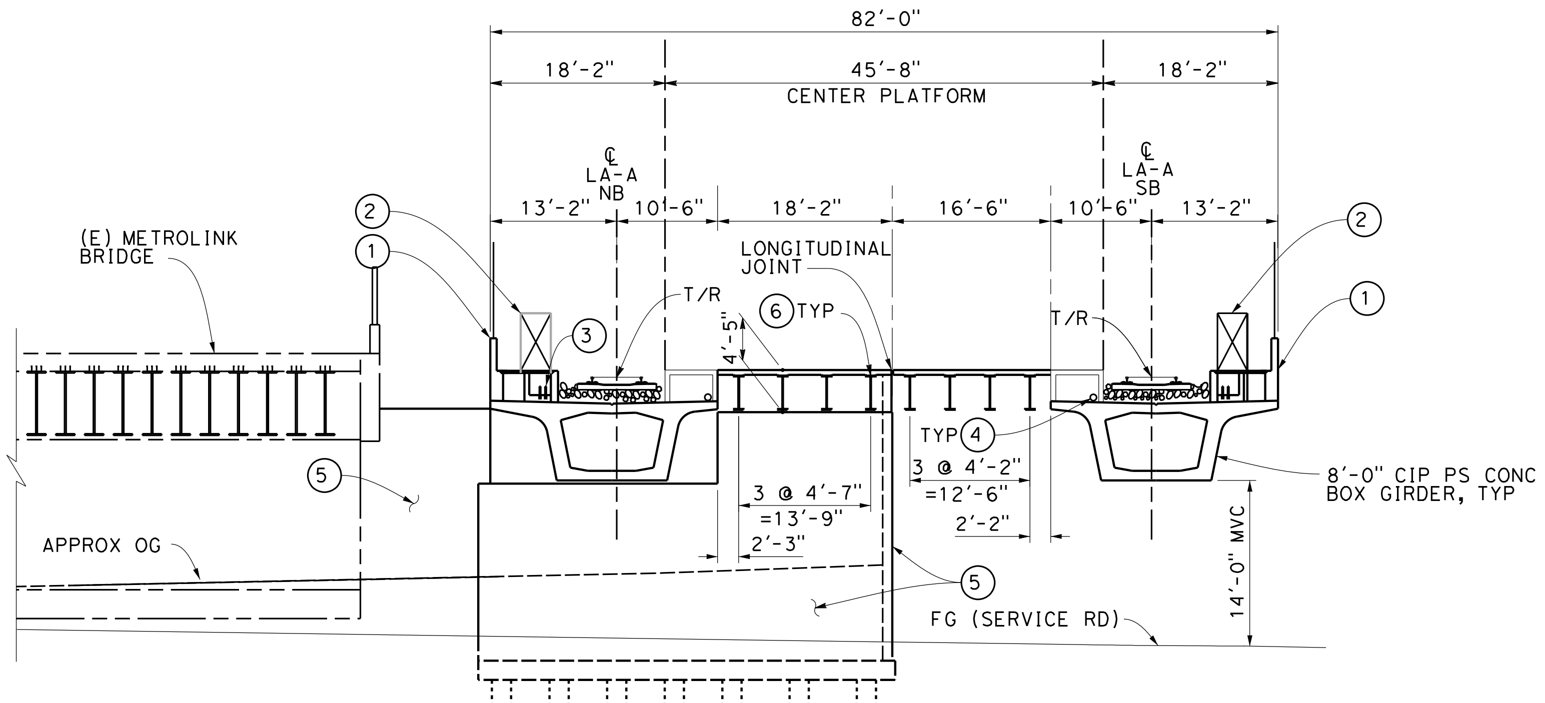
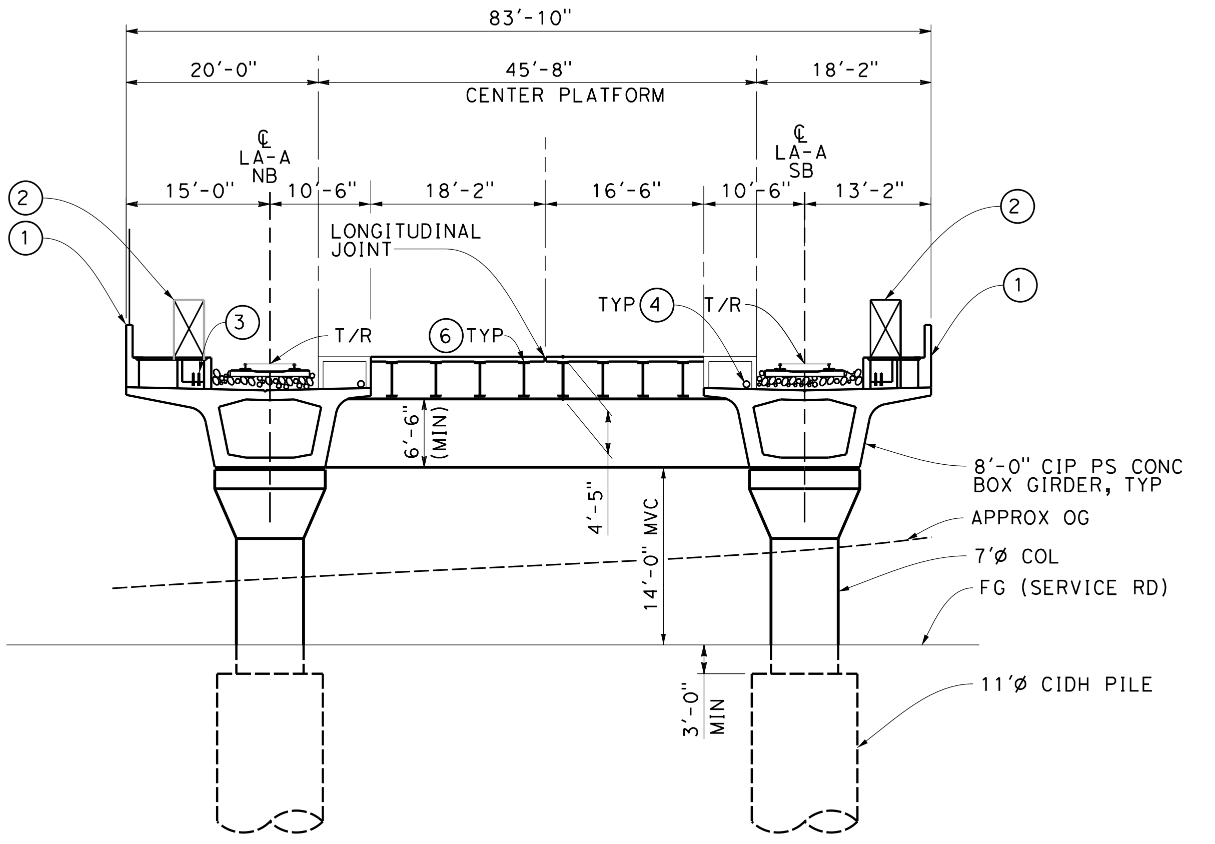


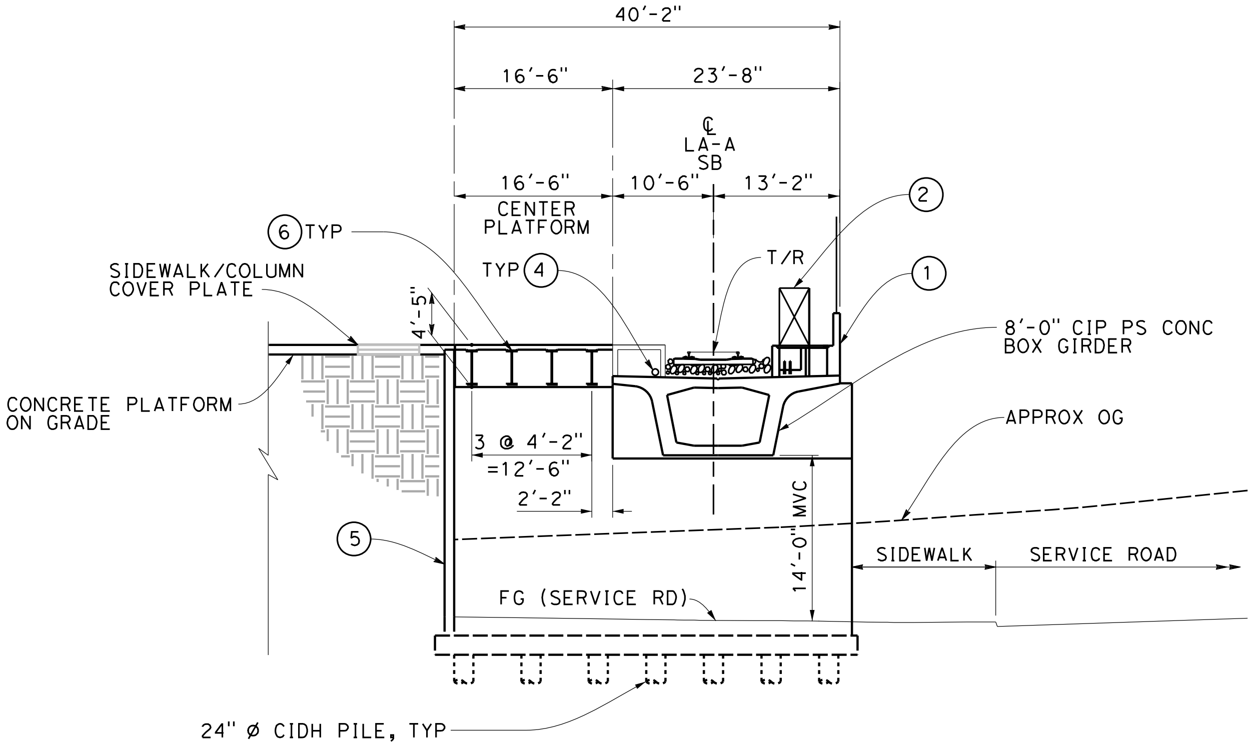
ABUTMENT 3 SECTION

1"=10'-0"



BENT 2 & 4 SECTION

1"=10'-0"



ABUTMENT 5 SECTION

1"=10'-0"

GENERAL NOTES:

1. OCS POLES SPAN THE LENGTH OF BRIDGE AND NOT SHOWN ON TYPICAL SECTION.
2. ALL PROPOSED TRACKS ARE AT THE SAME ELEVATION.
3. PROPOSED BRIDGES HAS AN OUTWARD 2% SLOPE FROM ℄ OF BRIDGE.
4. THE DIMENSIONS SHOWN IN "ABUTMENT 1 SECTION" ARE MEASURED PERPENDICULAR TO ℄ LA-A NB/SB LINES.

NOTES:

① PARAPET
② WALKWAY (3'-0" WIDE)
③ NEW UTILITY DUCT
④ DRAINAGE PIPE
⑤ FASCIA WALL, WALL TYPE TO BE DETERMINED
⑥ STEEL GIRDER W/CIP CONCRETE PLATFORM

LEGEND:

– – –—— INDICATES EXISTING BRIDGE
(N) NEW
(E) EXISTING
MVC MINIMUM VERTICAL CLEARANCE

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - SOUTH DOUGLASS ROAD
TYPICAL SECTION (SHEET 2 OF 2)

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K3582
SCALE AS SHOWN
SHEET NO.

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