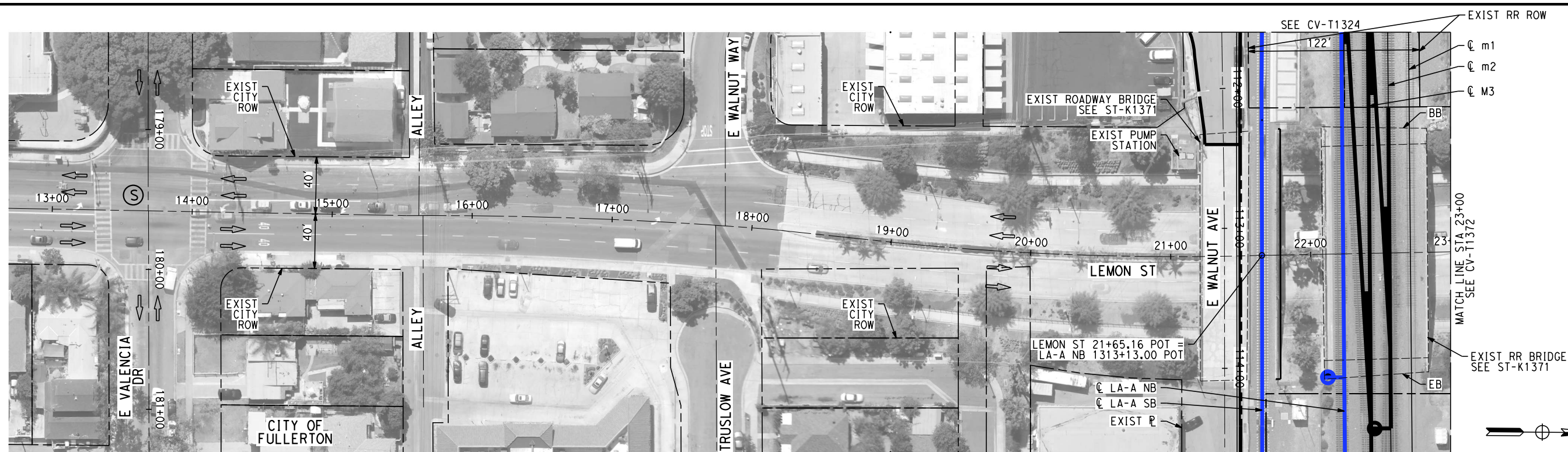
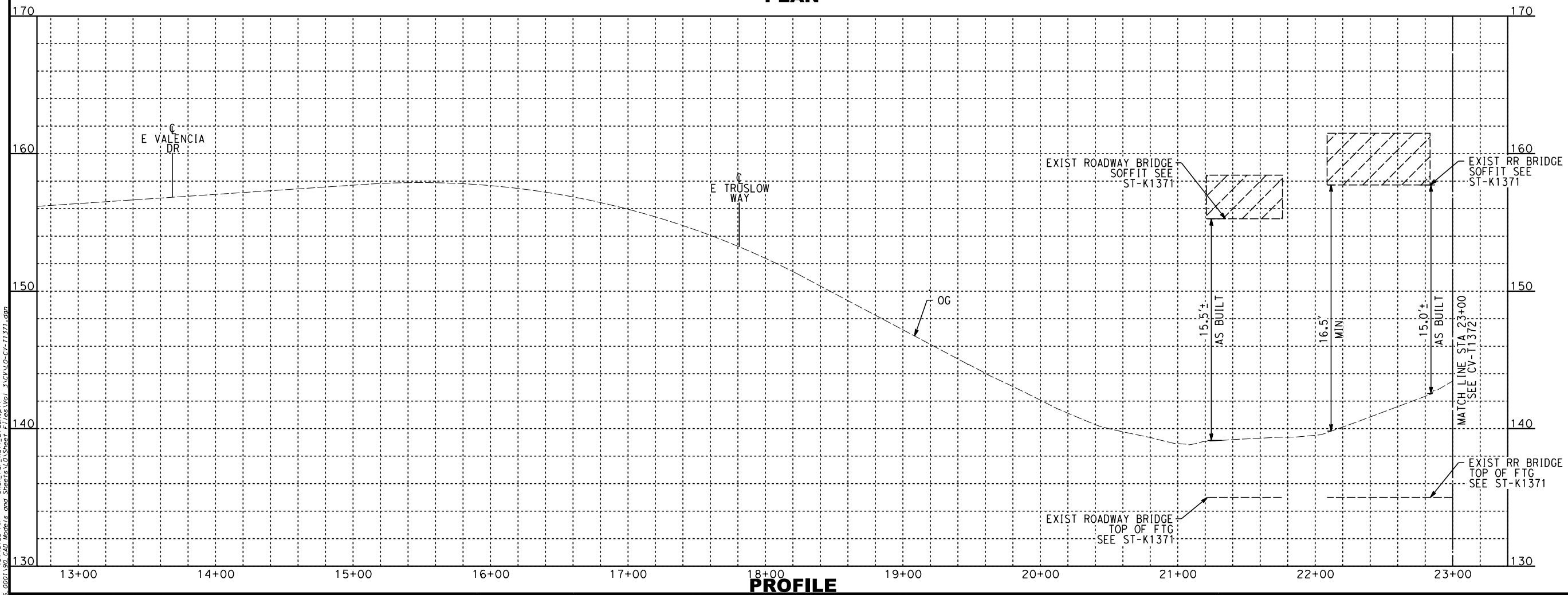
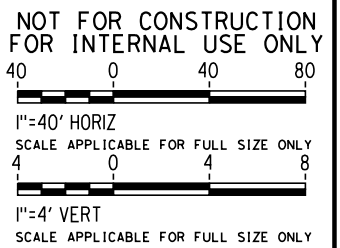




- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME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



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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

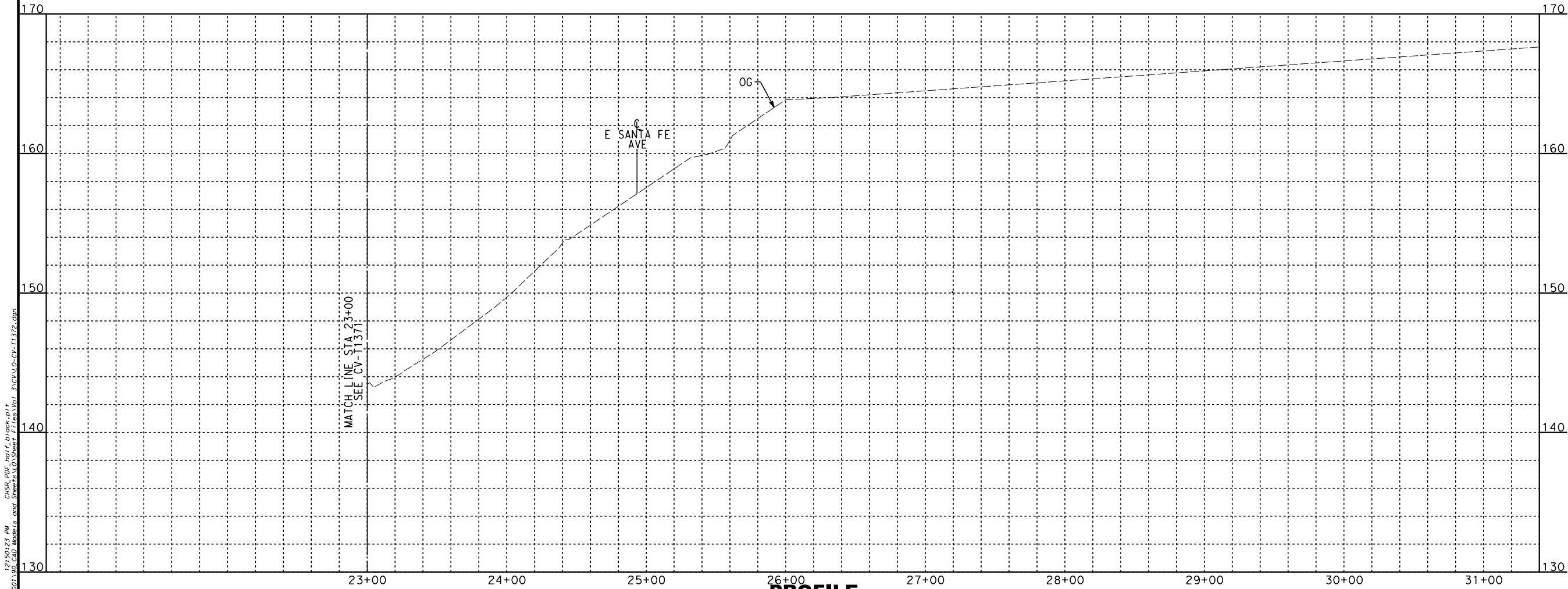
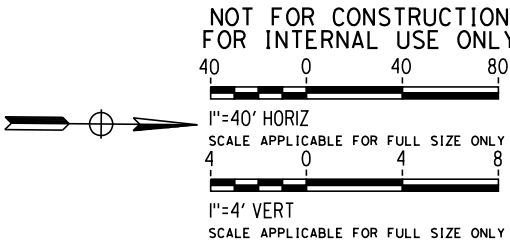
CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T1371
SCALE	AS SHOWN
SHEET NO.	

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PLAN

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



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

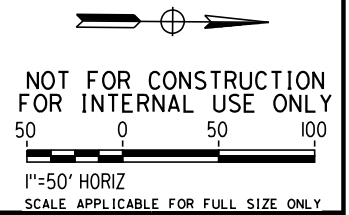
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

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

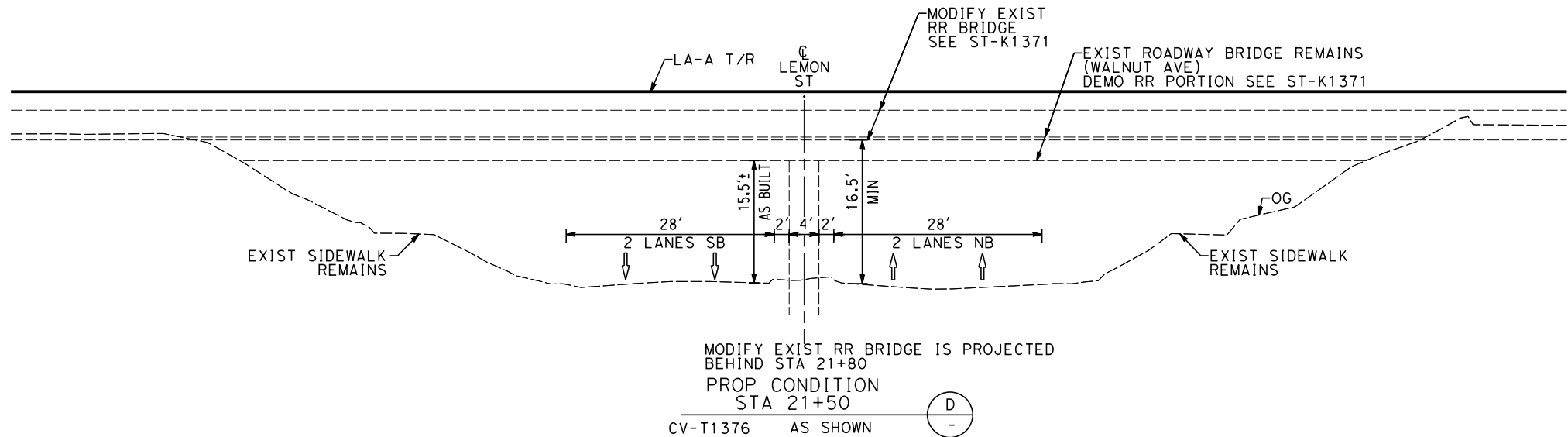
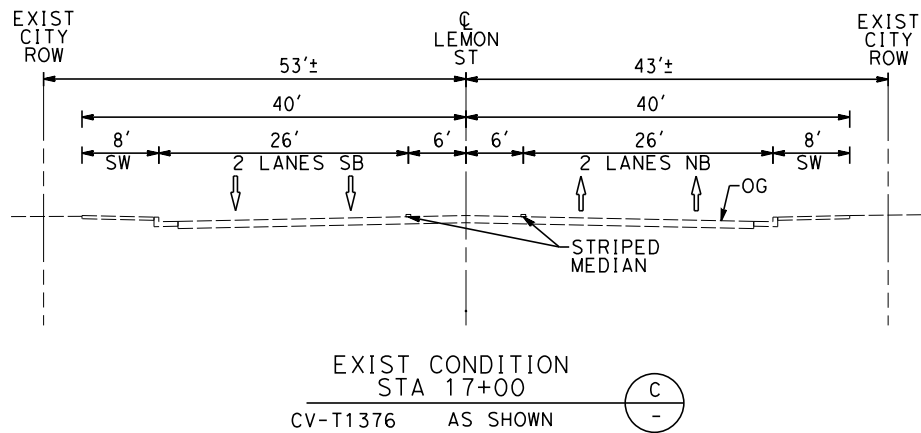
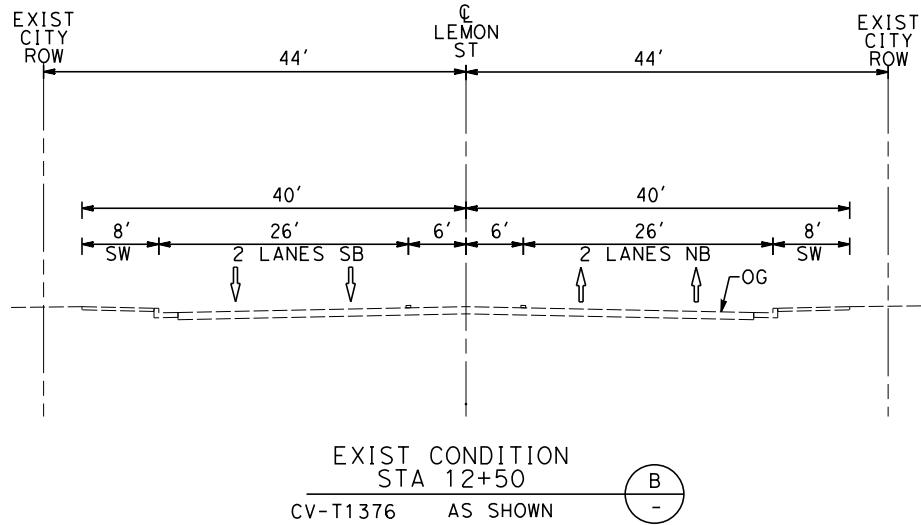
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1372
SCALE AS SHOWN
SHEET NO.

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



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

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

10 0 10 20

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

10 0 10 20

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**

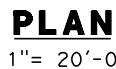


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

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

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


$$1'' = 10' - 0'$$

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

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)

ADT₂₀₀₉: 28,900
ADT₂₀₃₅: 32,200
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK

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

 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

IN CHARGE	J. SWANSON
DATE	08/29/258/25

**NOT FOR
CONSTRUCTION**

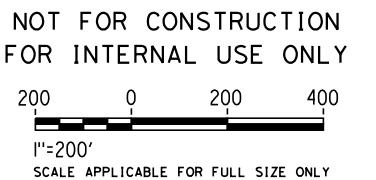


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - LEMON STREET
GENERAL PLAN

A
SHEET NO.

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

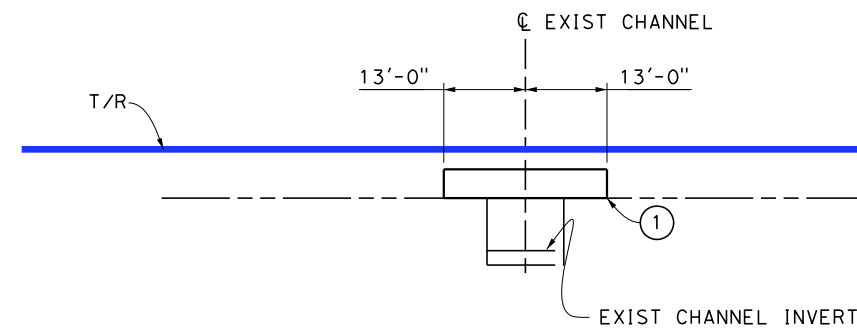


						DESIGNED BY	PEPD SUBMITTAL FOR INTERNAL USE ONLY	stv		CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM			CONTRACT NO.
						DRAWN BY					DRAWING NO.			
						CHECKED BY					SCALE			
						IN CHARGE					SHEET NO.			
						DATE								
REV	DATE	BY	CHK	APP	DESCRIPTION	08/29/25	NOT FOR CONSTRUCTION				RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - DRAINAGE CHANNEL ORIENTATION MAP			HSR06-0005 CV-T0391 1" = 200'

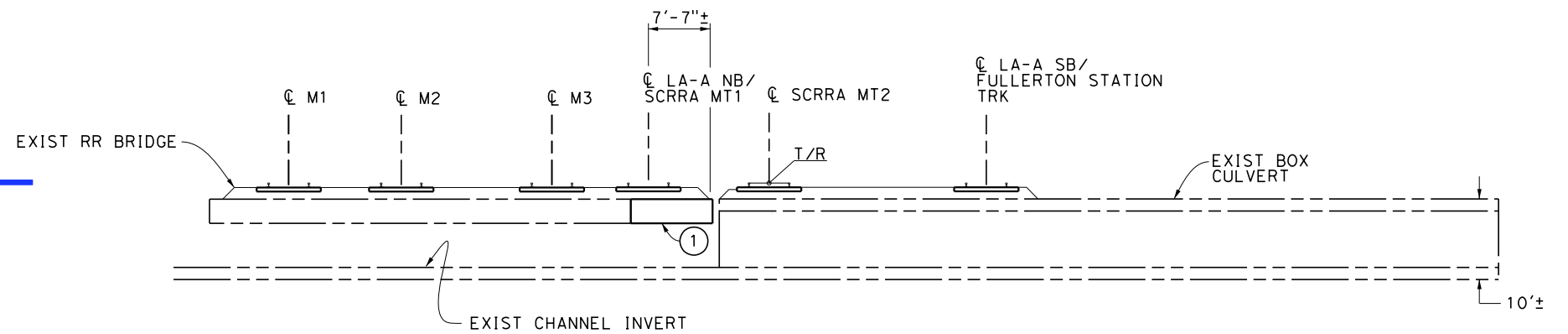


TOP OF RAIL PROFILE (M4)

NO SCALE



DATUM ELEV = 130'



MATCH EXIST
INVERT ELEV

TYPICAL SECTION

1" = 10'-0"

LONGITUDINAL SECTION

1" = 10'-0"

NOTES:

- ① PROPOSED BRIDGE/CULVERT EXTENSION

EXISTING UTILITIES:

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

LEGEND:

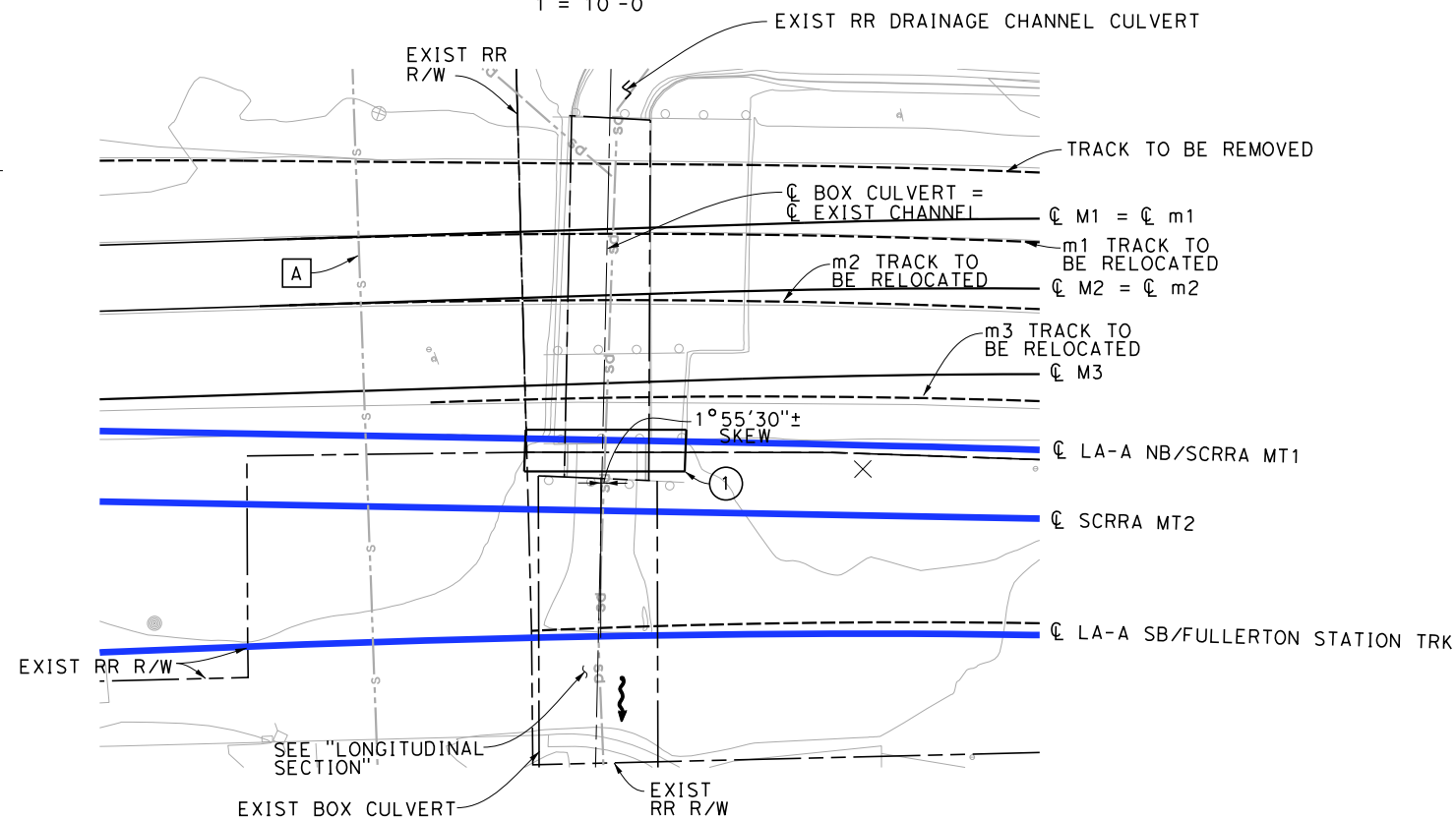
- INDICATES EXISTING FEATURES
- ▨ INDICATES LIMITS OF EXIST OPEN CHANNEL REMOVAL
- ~ INDICATES DIRECTION OF FLOW

TRAFFIC (PER DAY):

ADT₂₀₁₀: N/A

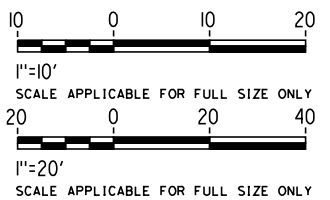
ADT₂₀₃₀: N/A

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
60 METROLINK
40 AMTRAK



PLAN

1" = 20'-0"



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

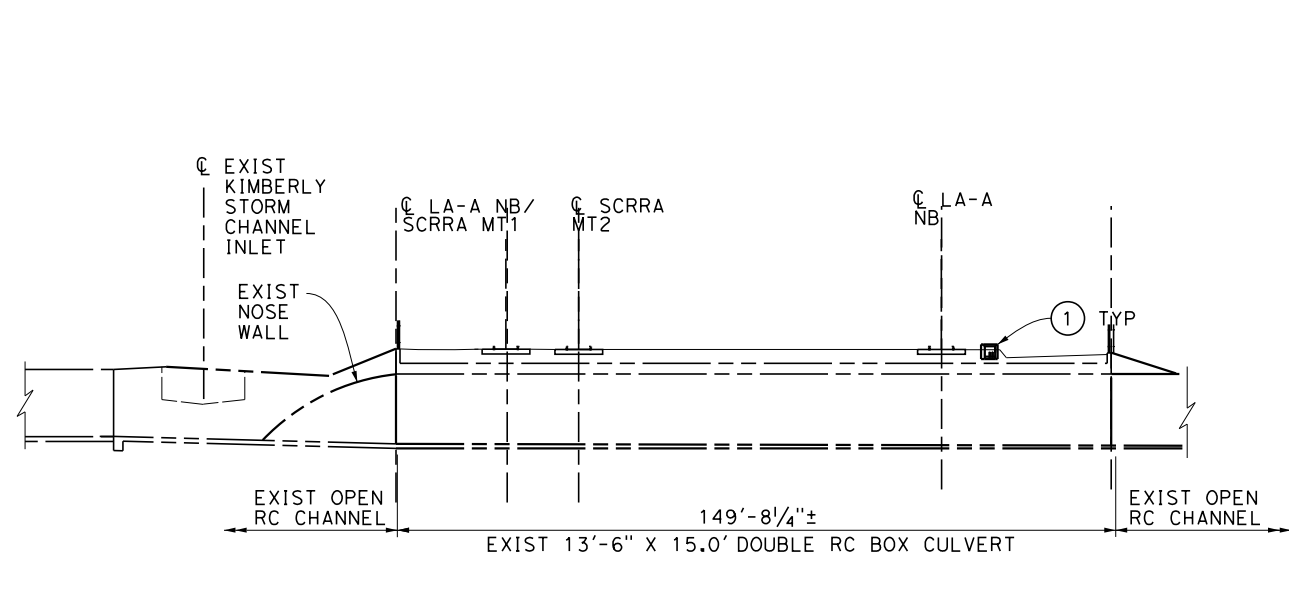
stv



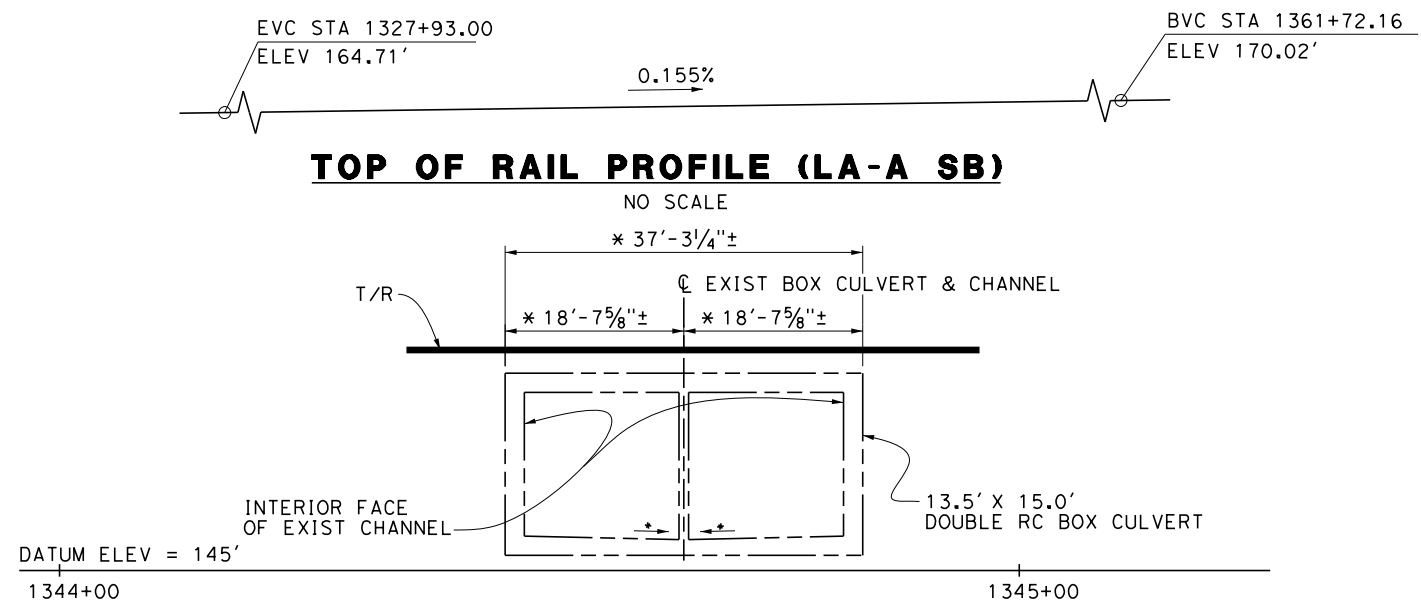
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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

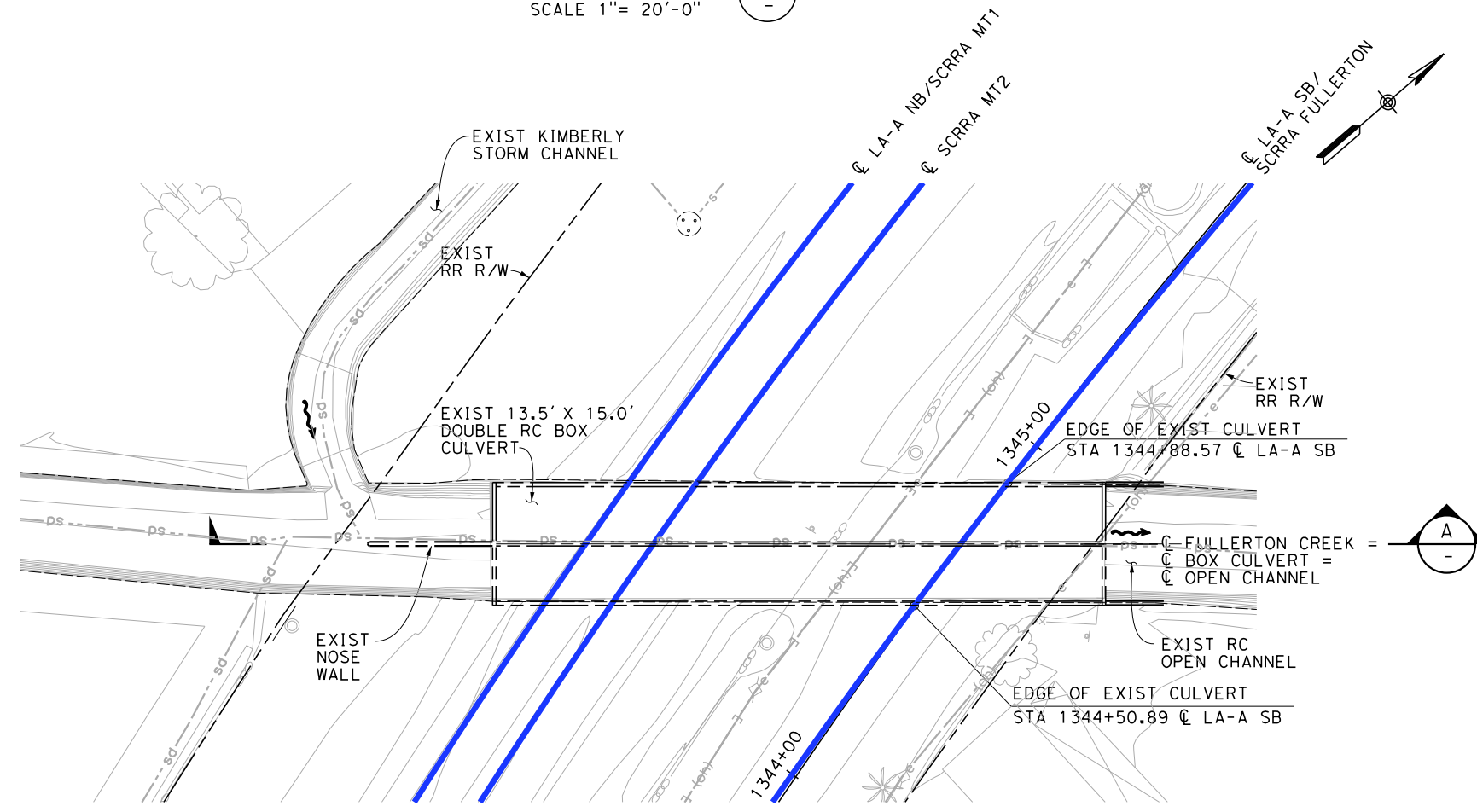


SECTION
SCALE 1"= 20'-0"



TOP OF RAIL PROFILE (LA-A SB)

TYPICAL SECTION
1"= 10'-0"



PLAN
1"= 20'-0"

NOTE:

- ① NEW UTILITY DUCT

NOTE:

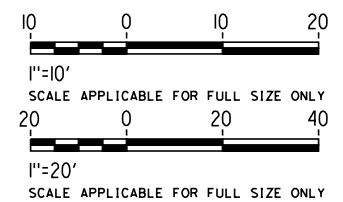
FREIGHT AND HSR UTILIZING EXISTING TRACKS

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



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

REV	DATE	BY	SUB	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

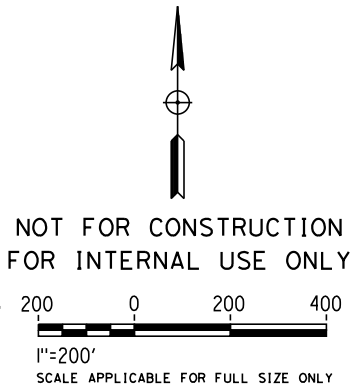


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - FULLERTON CREEK
GENERAL PLAN

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-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

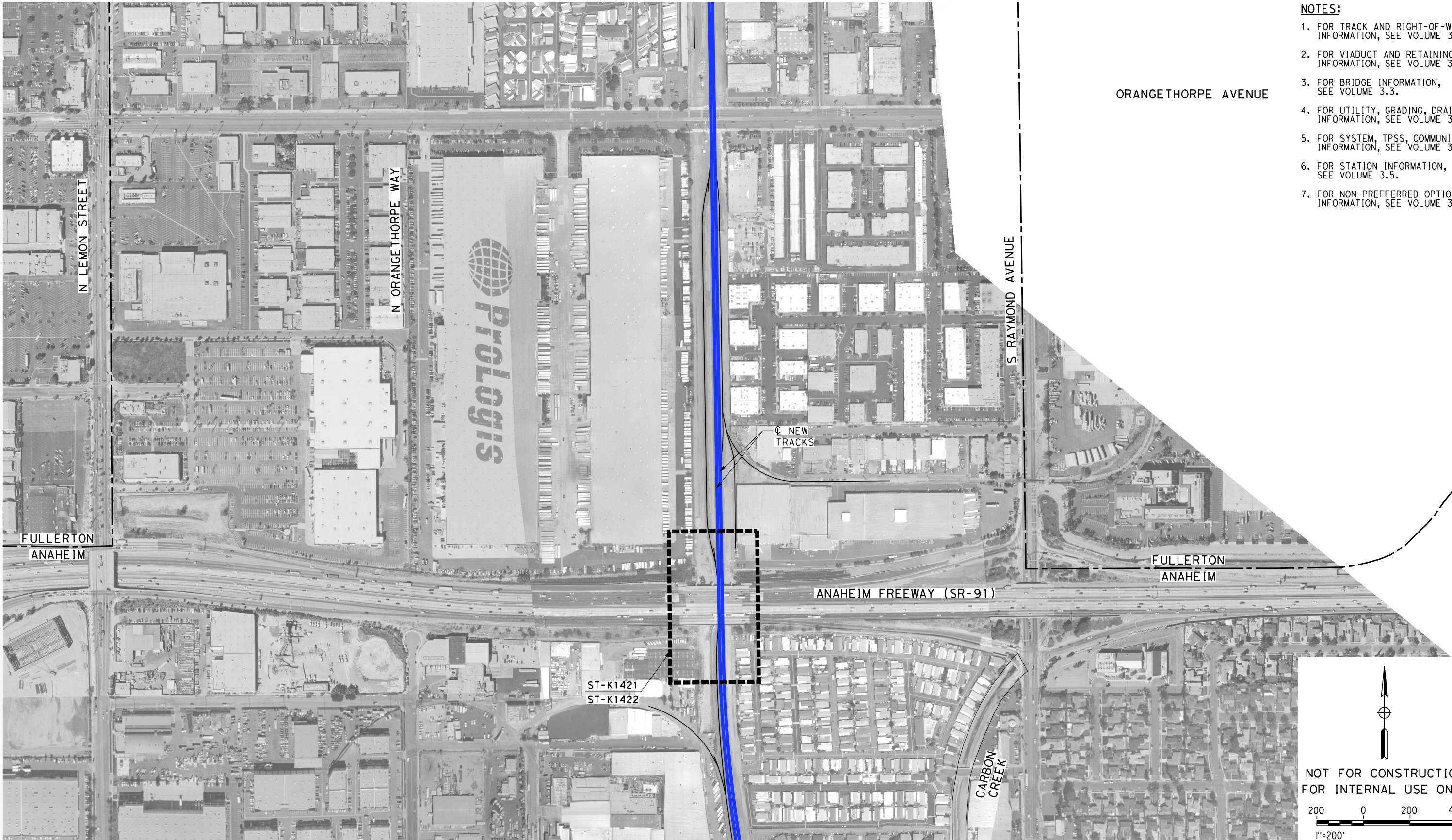
NOT FOR
CONSTRUCTION



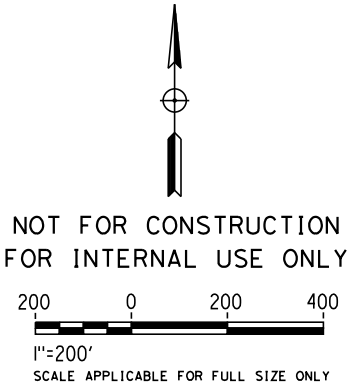
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0411
SCALE
1" = 200'
SHEET NO.



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



\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

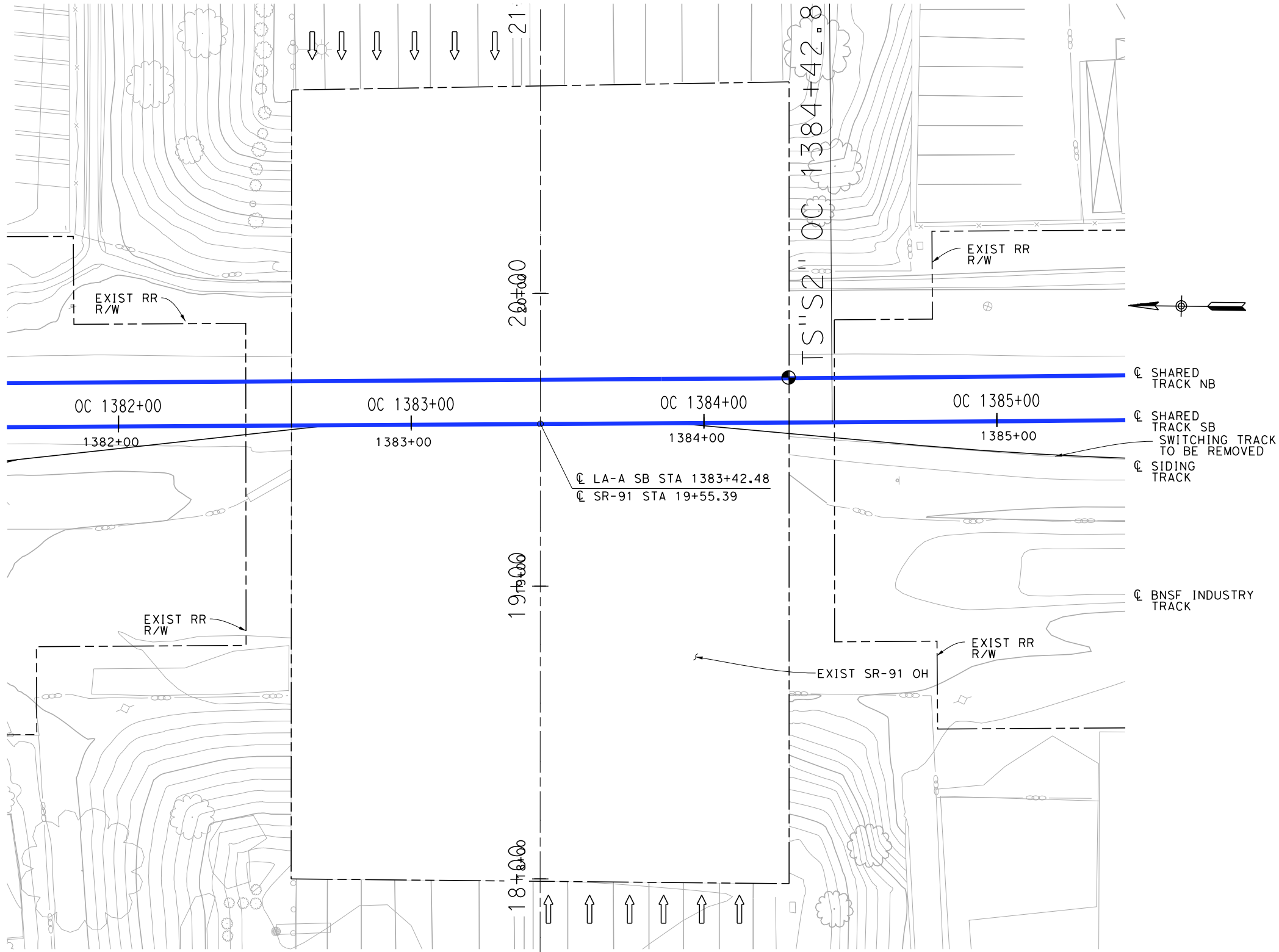


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
EXISTING NORTH ANAHEIM FWY OVERHEAD (SR-91)
ORIENTATION MAP

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

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ChiangM

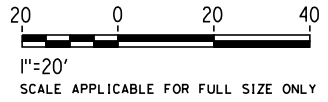


PLAN
1"= 20'-0"

- 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: $F_s = 20,000 \text{ PSI}$, $N = 10$
 $F_c = 1,200 \text{ PSI}$
STRUCTURAL STEEL: $F_s = 18,000 \text{ PSI}$
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: $F_s = 20,000 \text{ PSI}$, $N = 10$
 $F_c = 1,200 \text{ PSI}$
STRUCTURAL STEEL: $F_s = 20,000 \text{ PSI}$
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: $f_y = 60000 \text{ PSI}$, $N = 9$
 $f'_c = 3250 \text{ PSI}$
STRUCTURAL STEEL: $f_y = 36000 \text{ PSI}$
 $f_s = 20000 \text{ PSI}$
PILE LOADING
ABUTMENT: 70 TONS 16" CIDH CONC PILES
BENT: 100 TONS 16" CIDH CONC PILES

- LEGEND:**
⊙ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (24'-0" MIN)
⇨ INDICATES DIRECTION OF TRAFFIC

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
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.



NOTE:

[illegible]

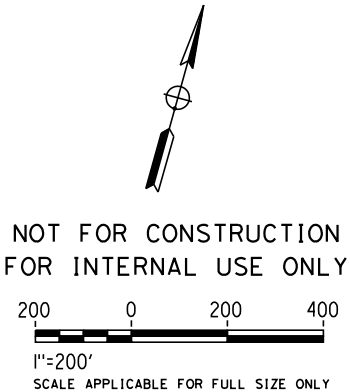
stv



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



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



\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

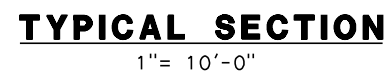
PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



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

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

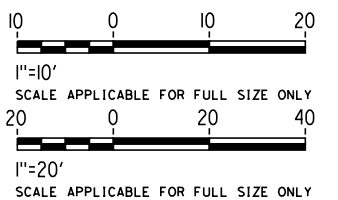


LONGITUDINAL SECTION
1" = 10'-0"

- | | |
|---|--|
| 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) |

 INDICATES EXISTING
 INDICATES LIMITS OF EXIST OPEN CHANNEL LINING REMOVAL
 INDICATES DIRECTION OF FLOW

TRAIN VOLUME ₂₀₃₀ :	118	FREIGHT
	28	METROLINK
	40	AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



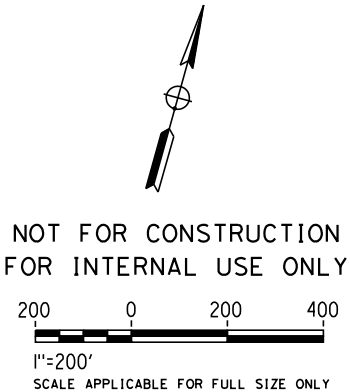
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



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



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

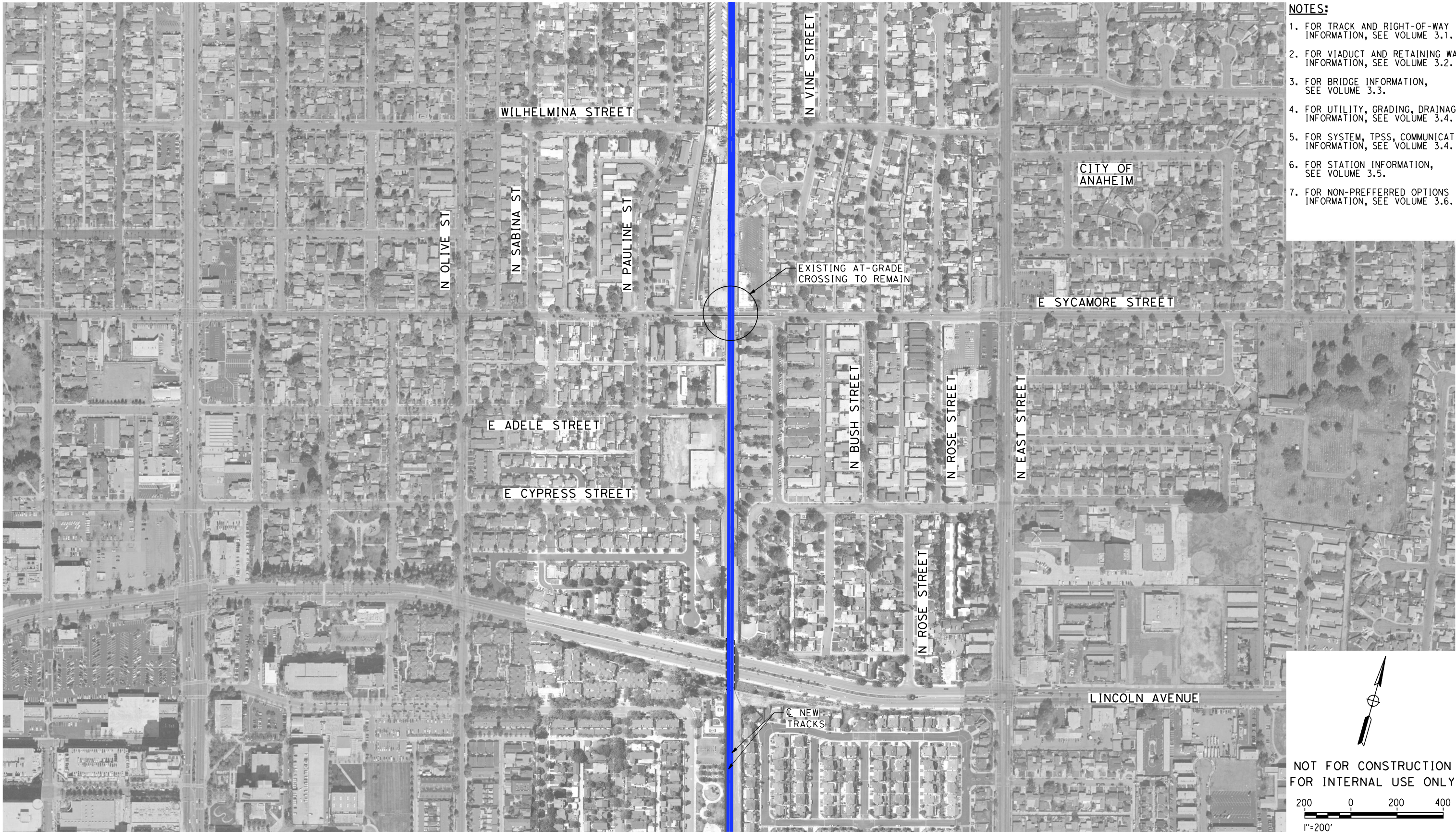
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SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

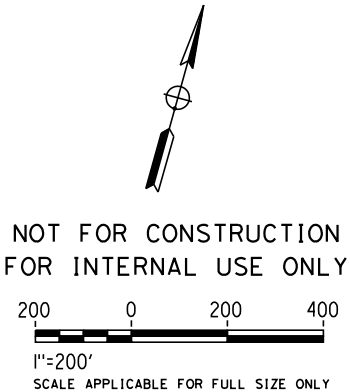


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - LA PALMA AVE
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0451
SCALE
1" = 200'
SHEET NO.



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



\$PLOT\$

REV	DATE	BY	CHK	APP	DESCRIPTION

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

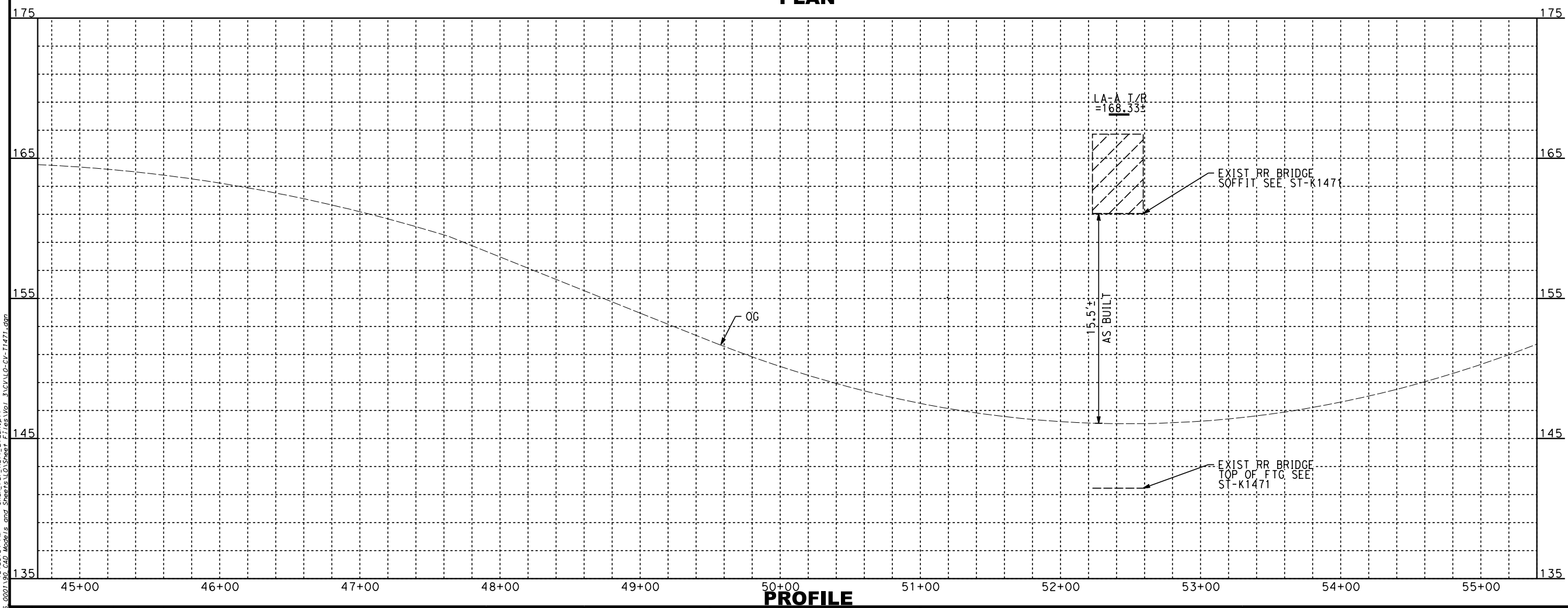
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SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



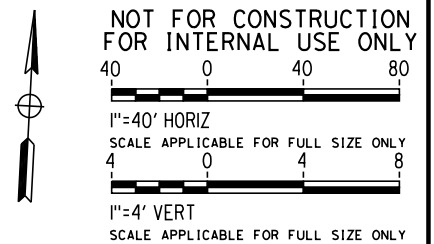
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - SYCAMORE ST
ORIENTATION MAP

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0461
SCALE
1" = 200'
SHEET NO.



- NOTES:

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



2/6/2025 4017456\4017456 Project\4017456\4017456					
REV	DATE	BY	CHK	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**

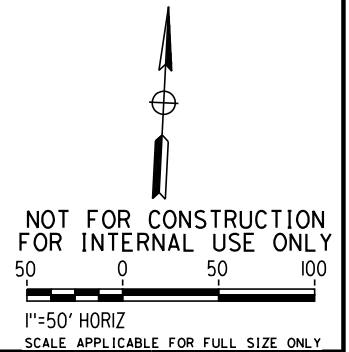


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

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

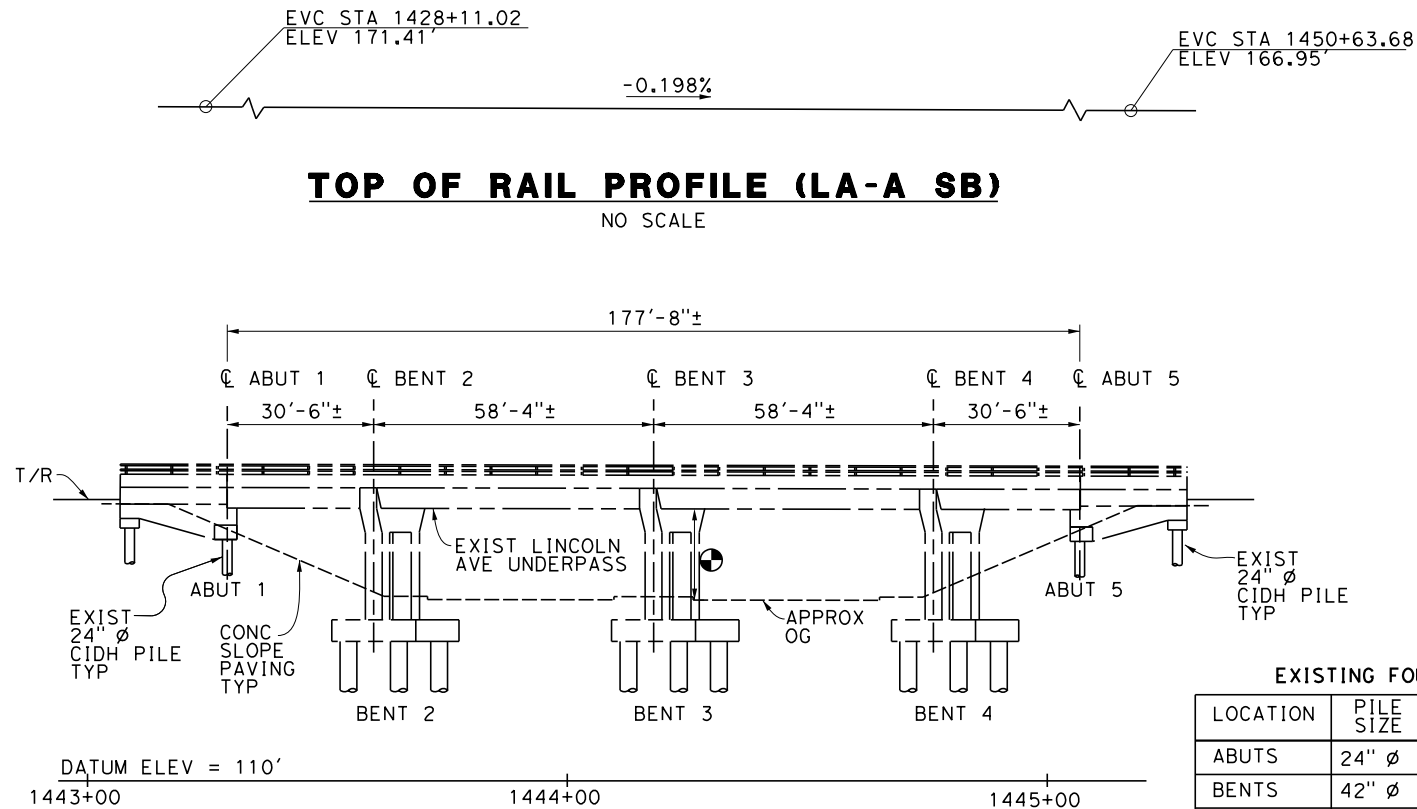
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1471
SCALE
AS SHOWN
SHEET NO.

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

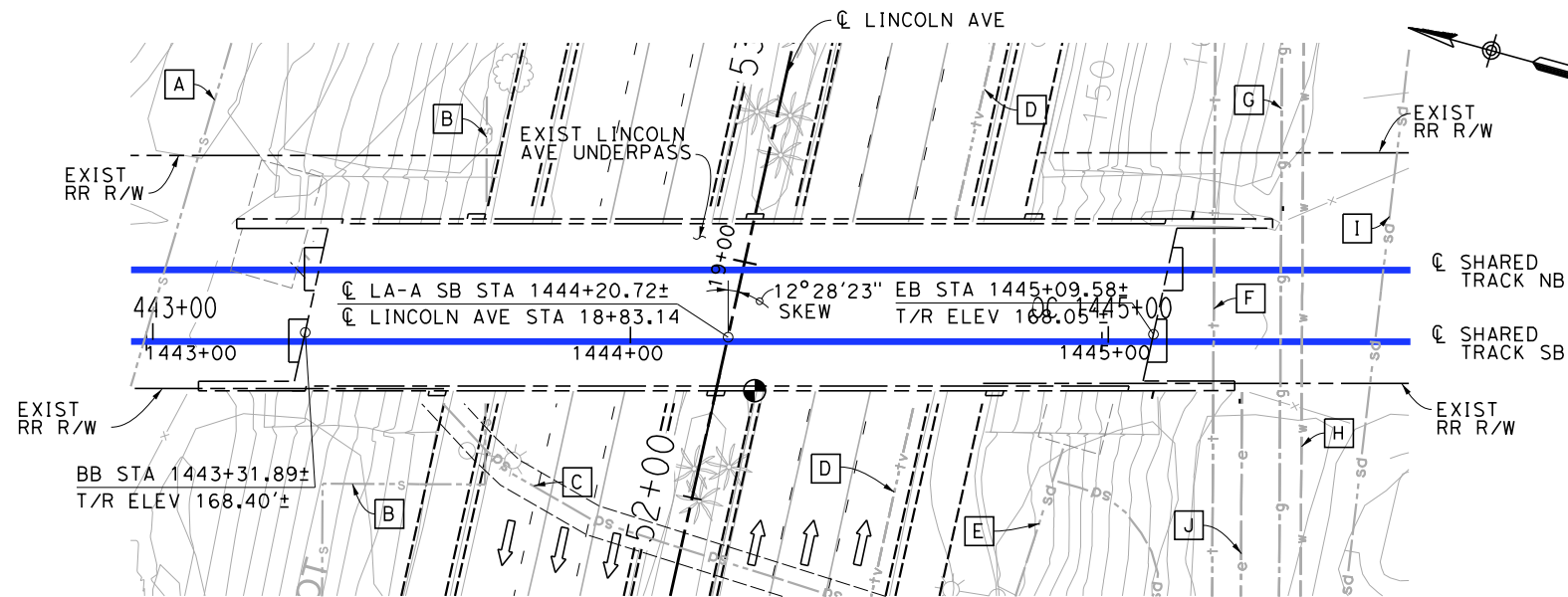


CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1476
SCALE
AS SHOWN
SHEET NO.

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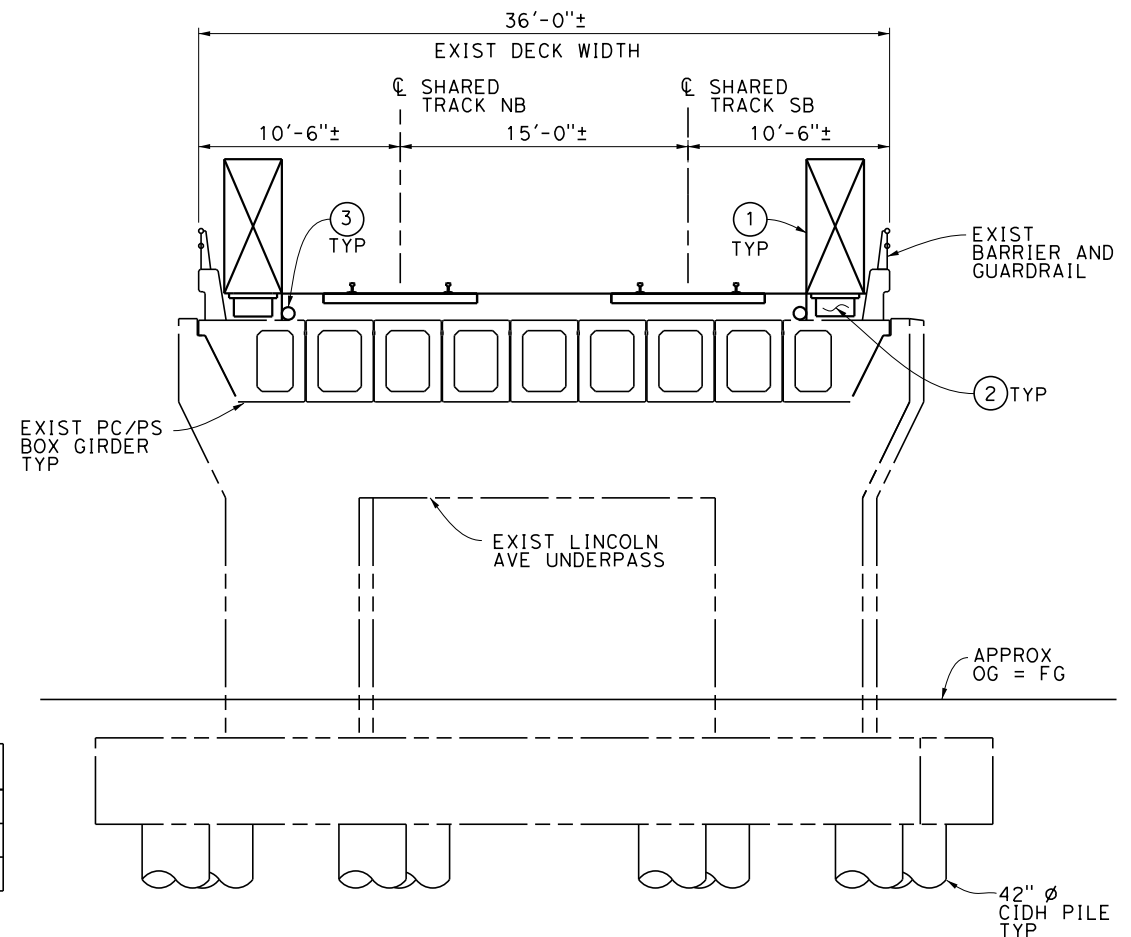


ELEVATION
1"=20'-0"



PLAN
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"

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:

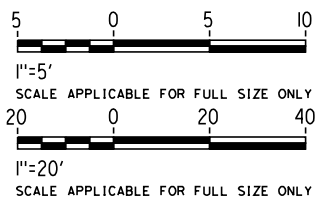
- ① WALKWAY (3'-0" WIDE)
- ② NEW UTILITY DUCT
- ③ DRAINAGE PIPE

TRAFFIC (PER DAY):

ADT₂₀₀₉: 23,000

ADT₂₀₃₀: NOT AVAILABLE AT THIS TIME

TRAIN VOLUME₂₀₃₀: 118 FREIGHT
28 METROLINK
40 AMTRAK



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

REV	DATE	BY	SUB	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

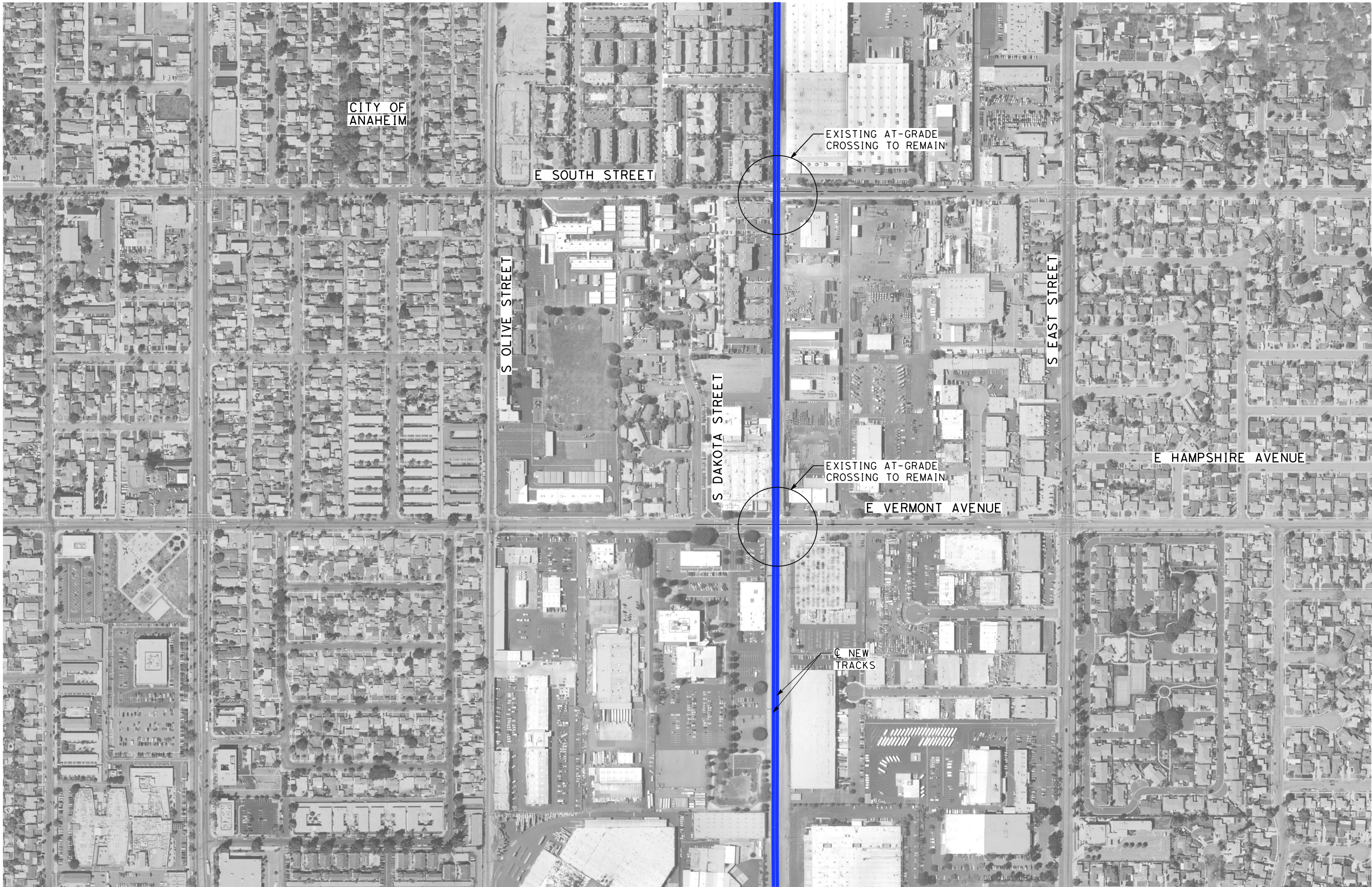
RECORD SET

PRELIMINARY ENGINEERING PROJECT DOCUMENT

GRADE SEPARATION - LINCOLN AVE

GENERAL PLAN

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



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



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

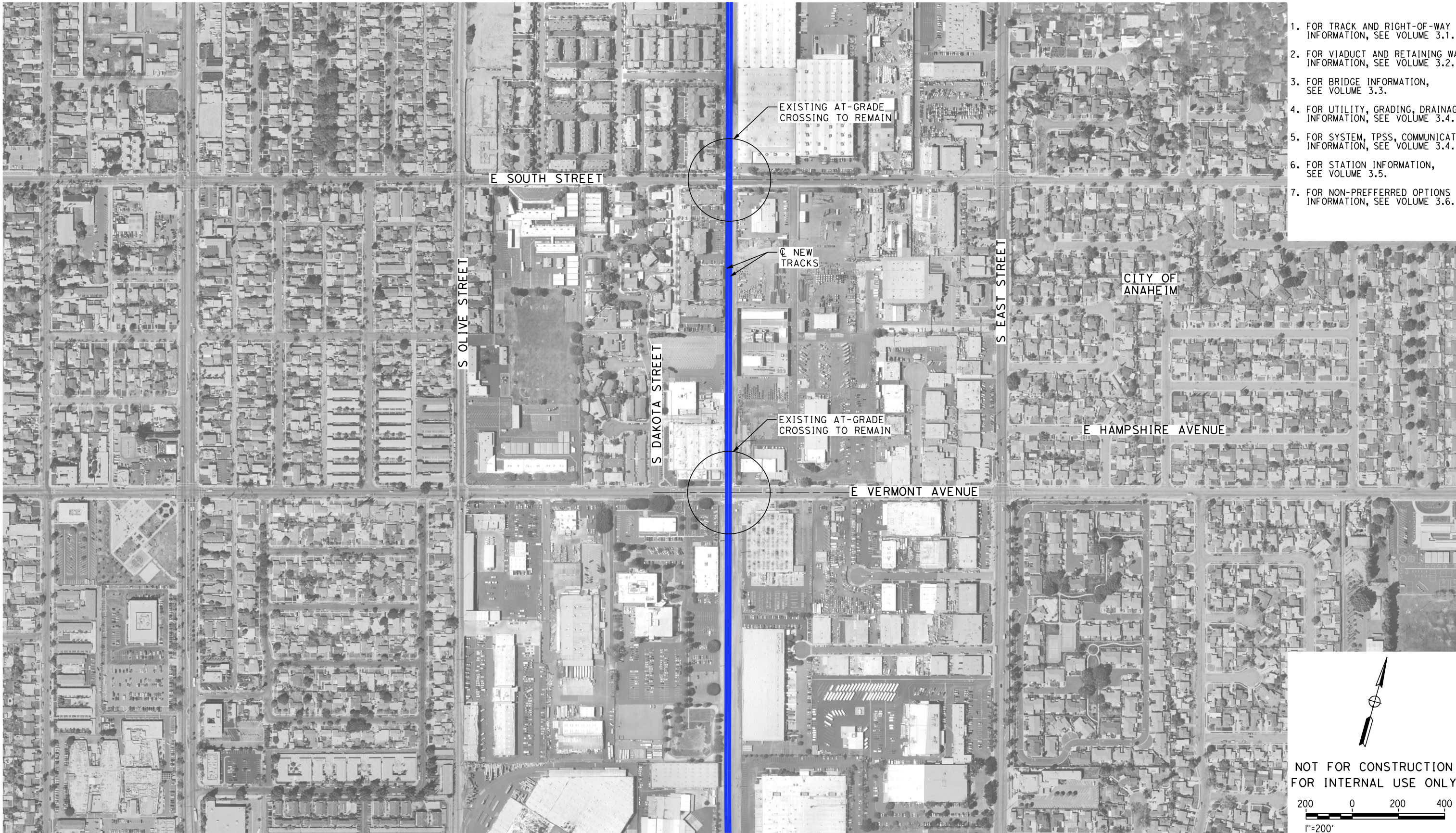
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E SOUTH ST
ORIENTATION MAP

CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T0501

SCALE
1" = 200'

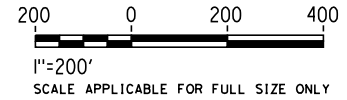
SHEET NO.



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



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
08/29/23

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

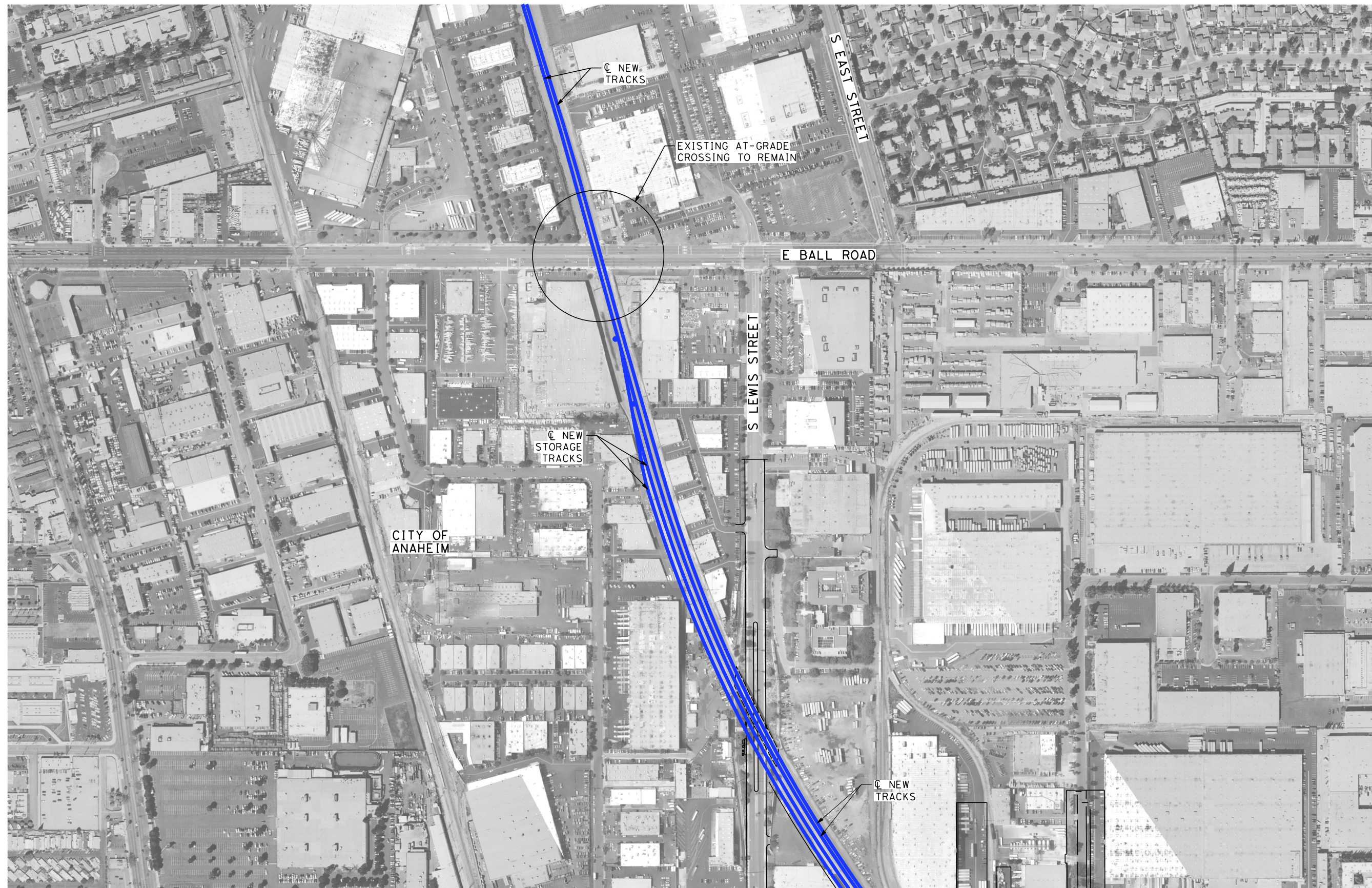
NOT FOR
CONSTRUCTION



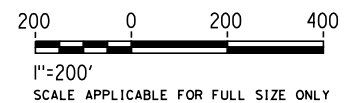
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



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



PLOT \$						
REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY	M. MAMAWAL
DRAWN BY	M. MAMAWAL
CHECKED BY	J. SWANSON
IN CHARGE	J. SWANSON
DATE	08/29/23

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

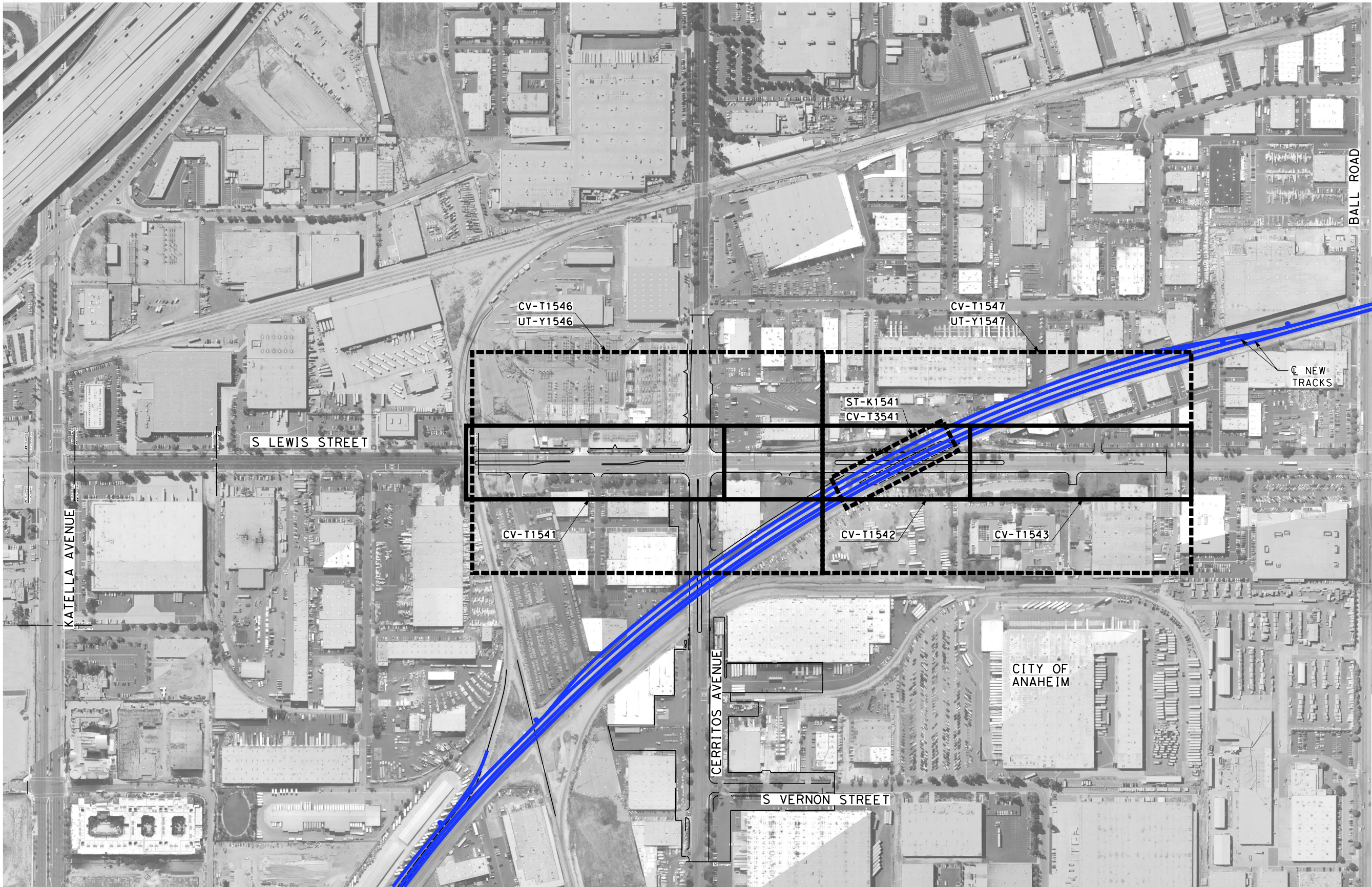
**NOT FOR
CONSTRUCTION**



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

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

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



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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

200 0 200 400

1"=200'

SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL

DRAWN BY
M. MAMAWAL

CHECKED BY
J. SWANSON

IN CHARGE
J. SWANSON

DATE
08/29/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

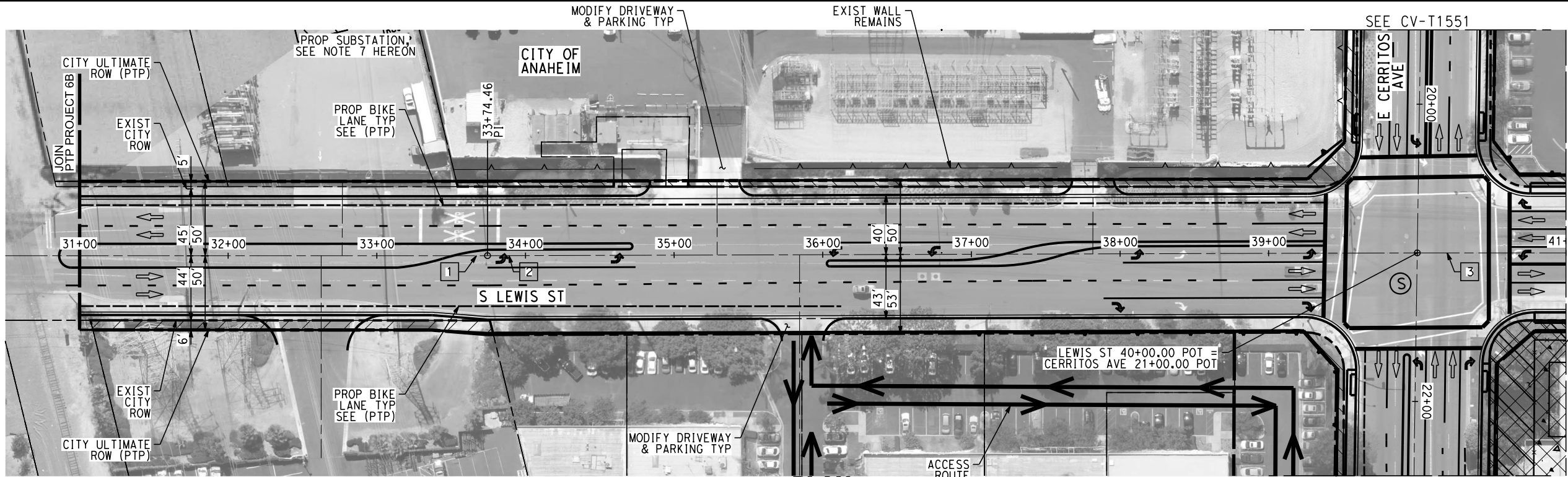
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
ORIENTATION MAP

CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T0541

SCALE
1" = 200'

SHEET NO.

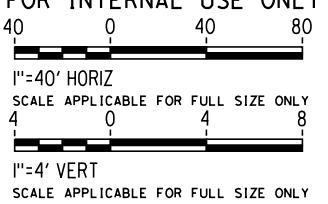


PLAN

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

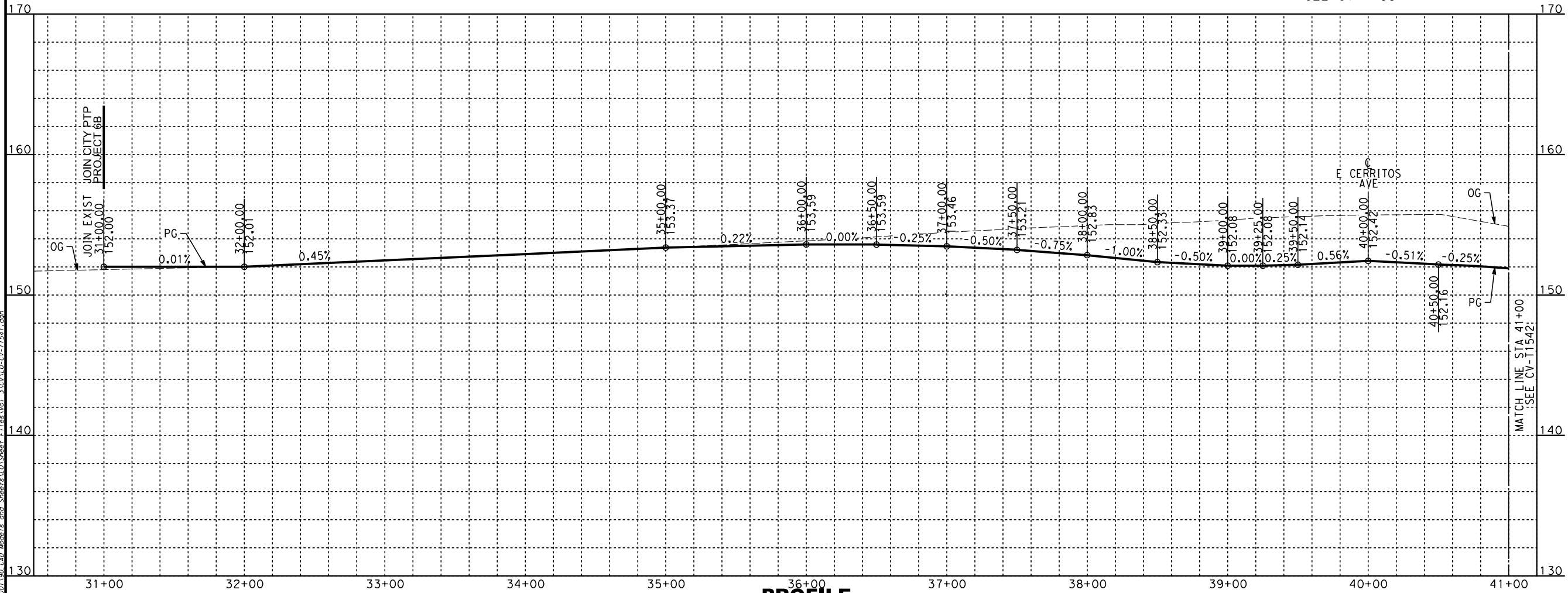
PROP PROPERTY TAKE
(CONSTRUCTION STAGING AND)
(POTENTIAL FACILITY BUILDING)
SEE NOTE 2 HEREON

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



LINE DATA

NO	BEARING	DISTANCE
1	N00°17'07"W	2009.51'
2	N00°27'38"W	625.53'
3	N00°17'17"W	1700.00'



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

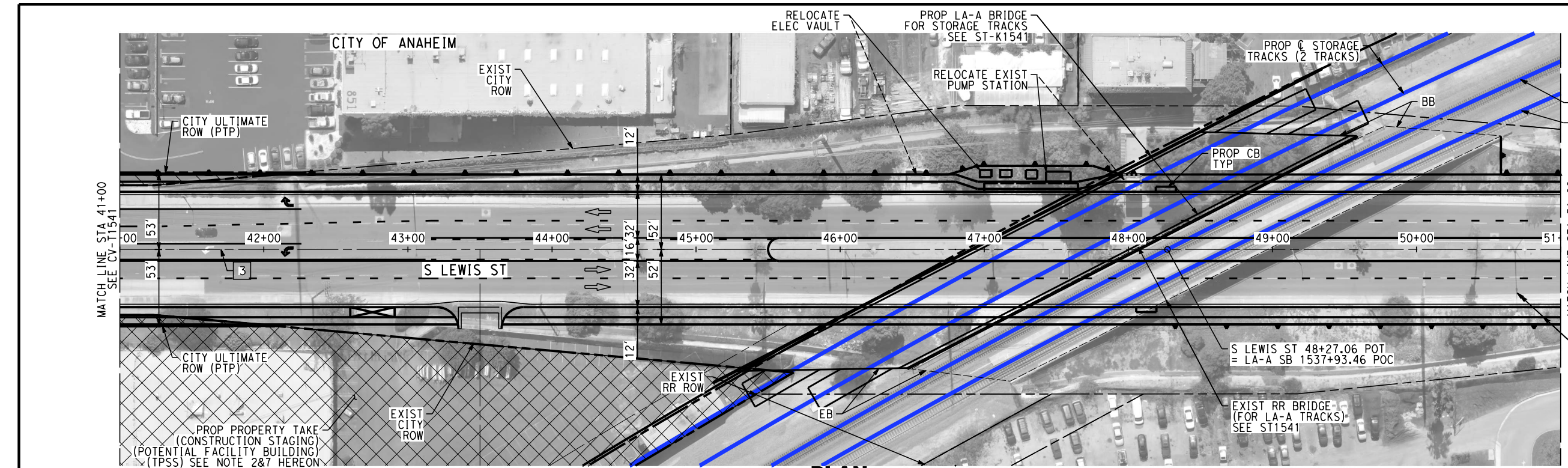
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

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

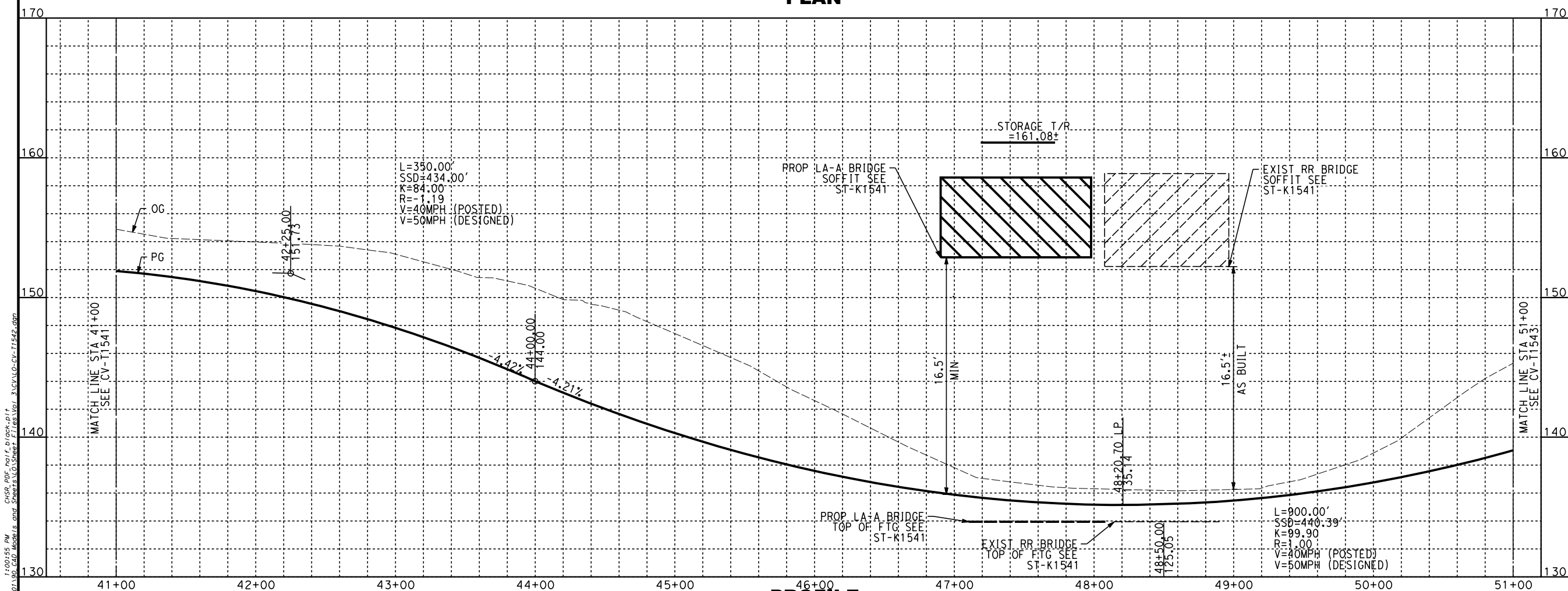
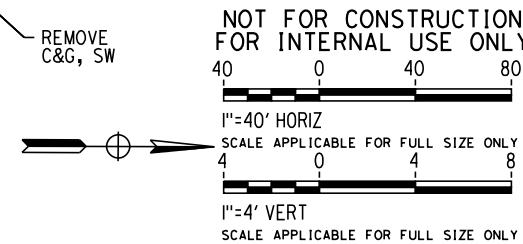
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HSR06-0005
DRAWING NO.
CV-T1541
SCALE
AS SHOWN
SHEET NO.

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PLAN

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



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

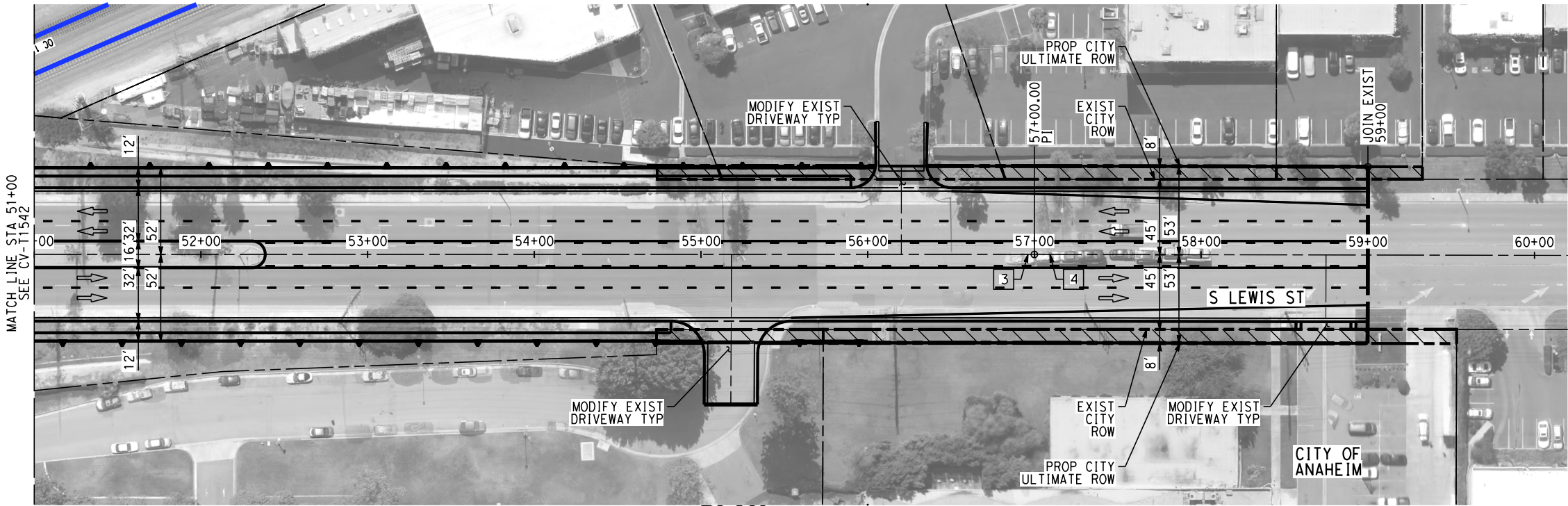


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
PLAN AND PROFILE - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1542
SCALE
AS SHOWN
SHEET NO.



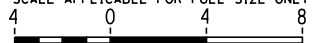
NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



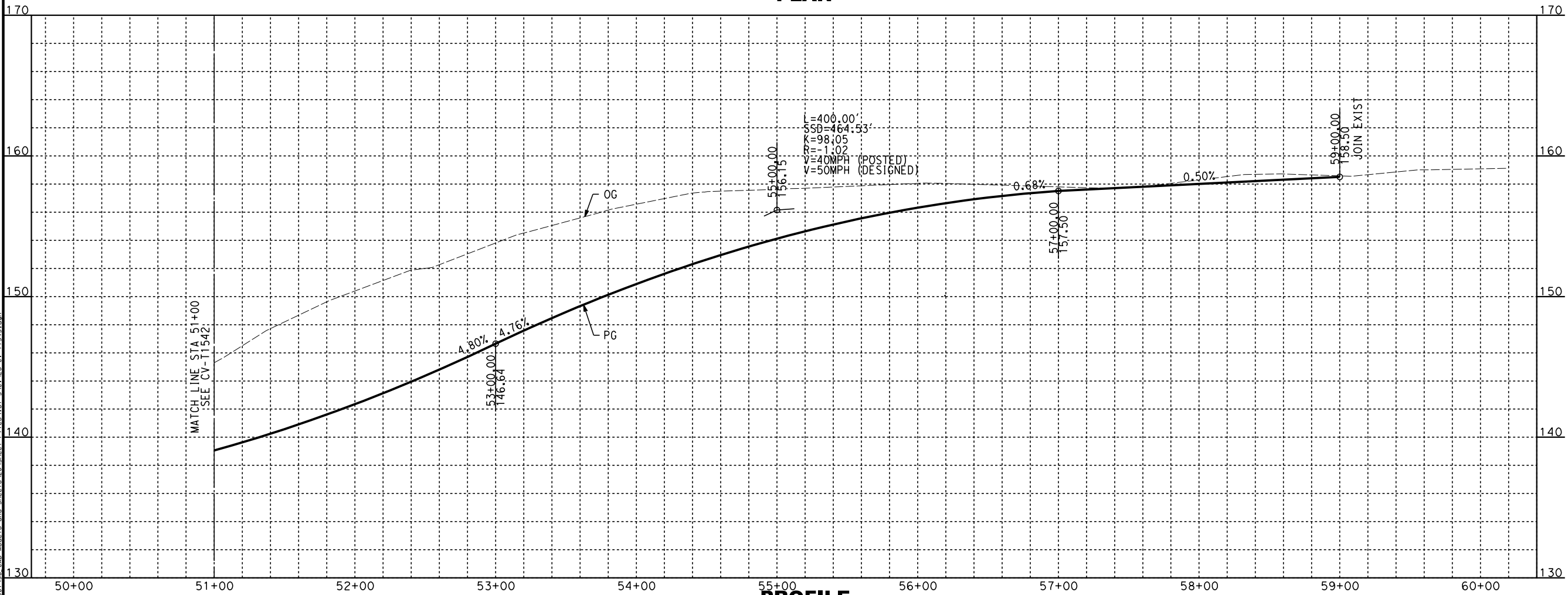
1"=40' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY



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'



2/18/2025 4:11:54 PM CHSR_PDF_half_black.plt
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Chiang

REV	DATE	BY	CHK	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

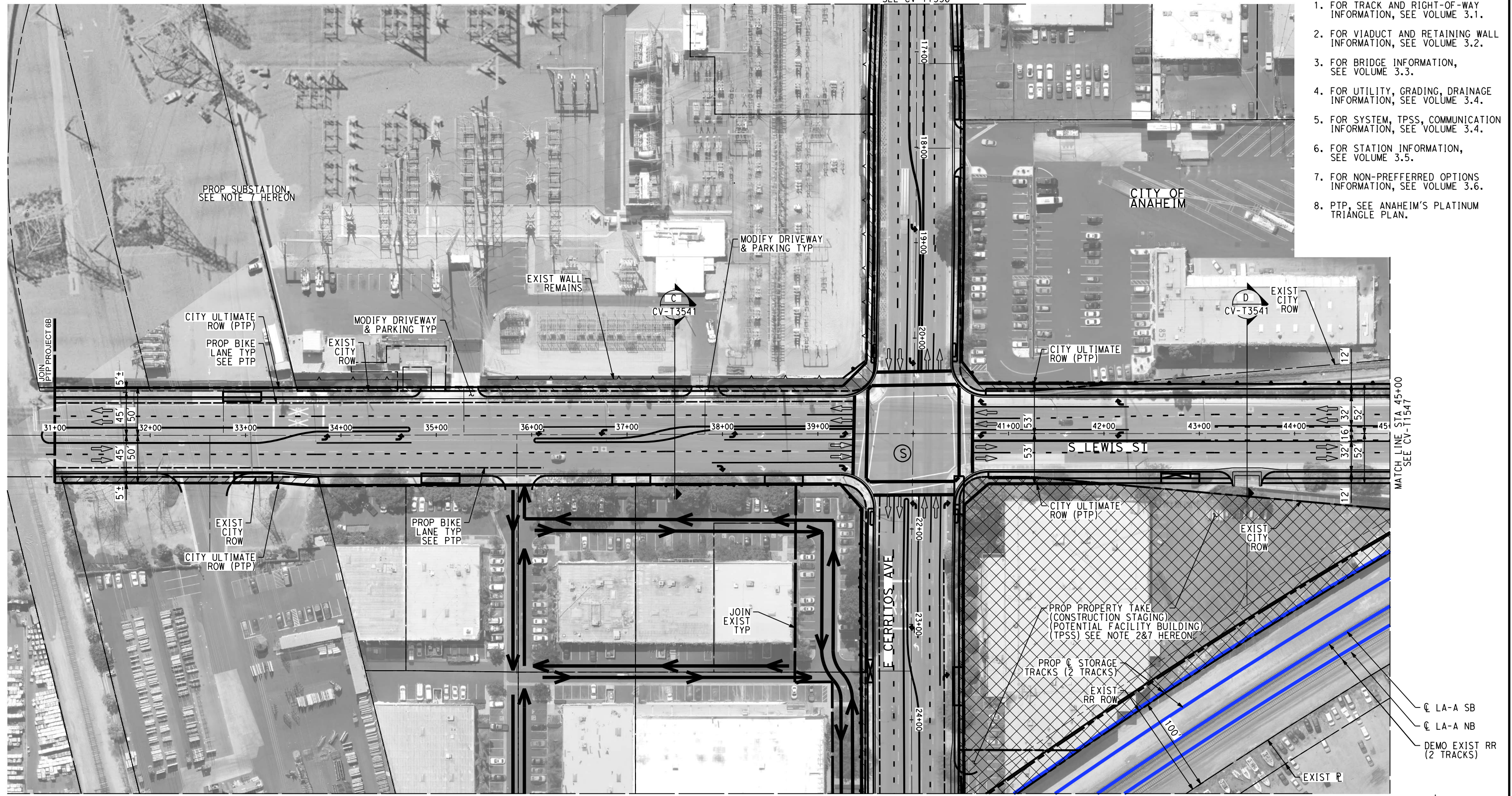
RECORD SET

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

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

SEE CV-T1557

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



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

REV	DATE	BY	CHK	APP	DESCRIPTION

**NOT FOR
CONSTRUCTION**

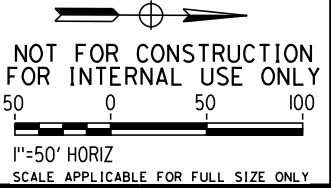
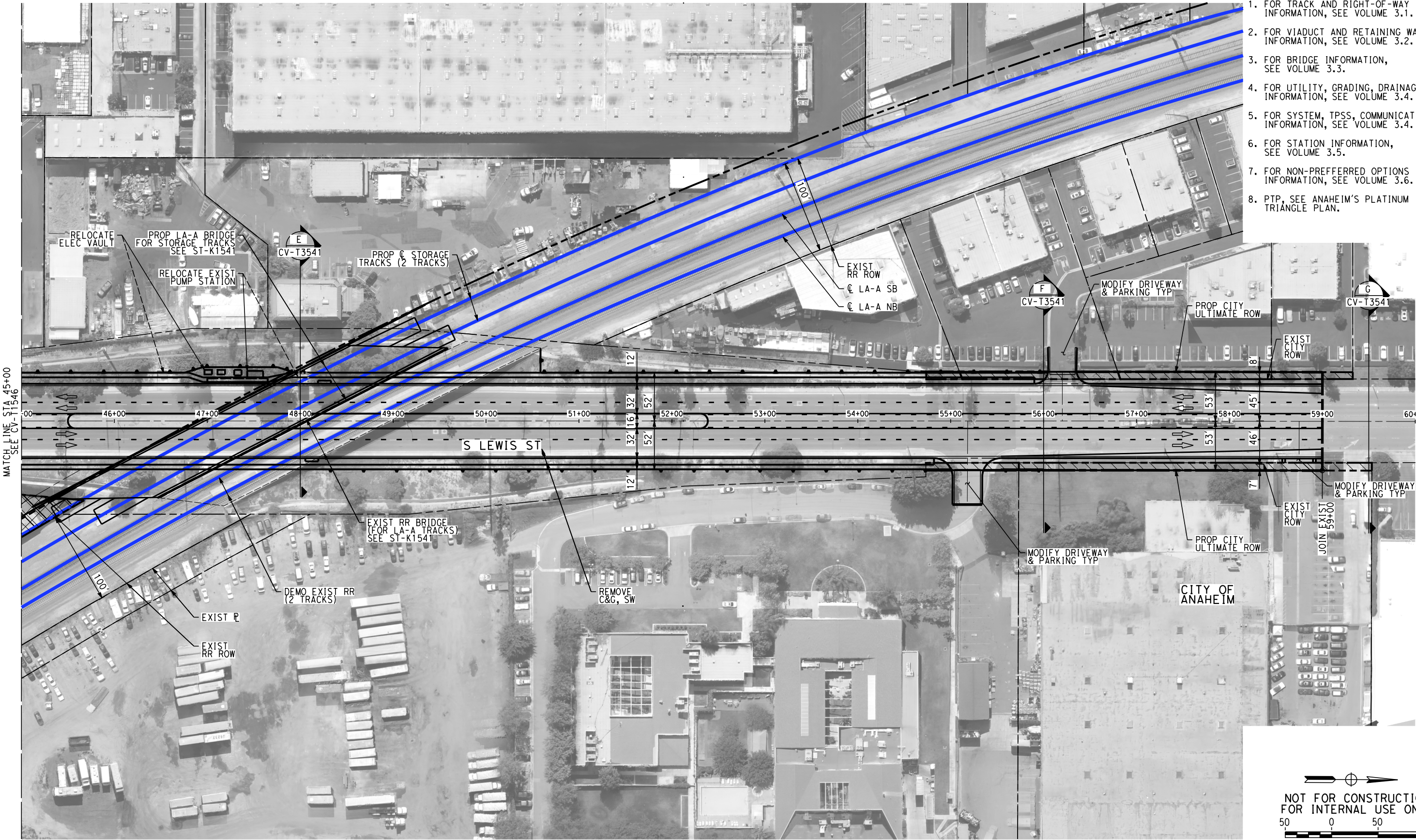


PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
IMPACT PLAN - SHEET 1 OF 2

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T1546
SCALE	AS SHOWN
SHEET NO.	

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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.



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CONSTRUCTION



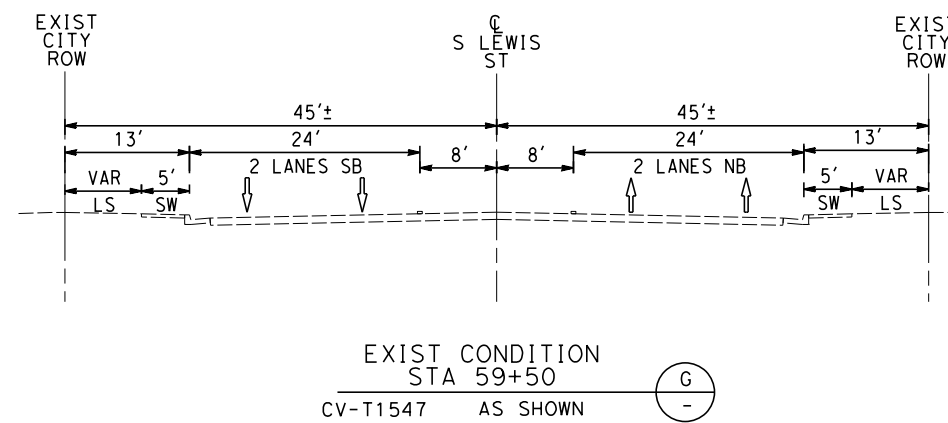
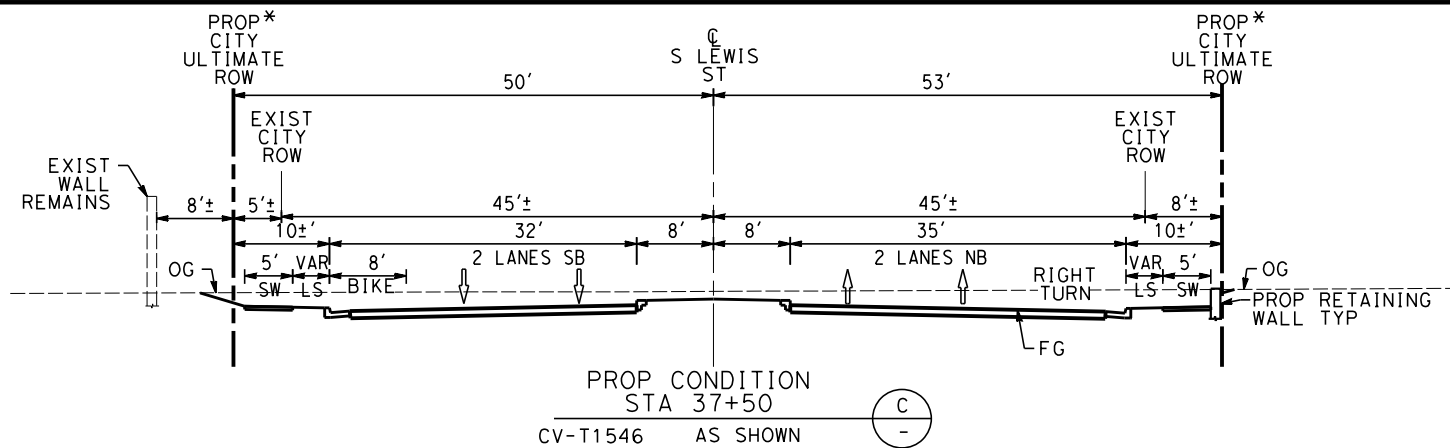
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

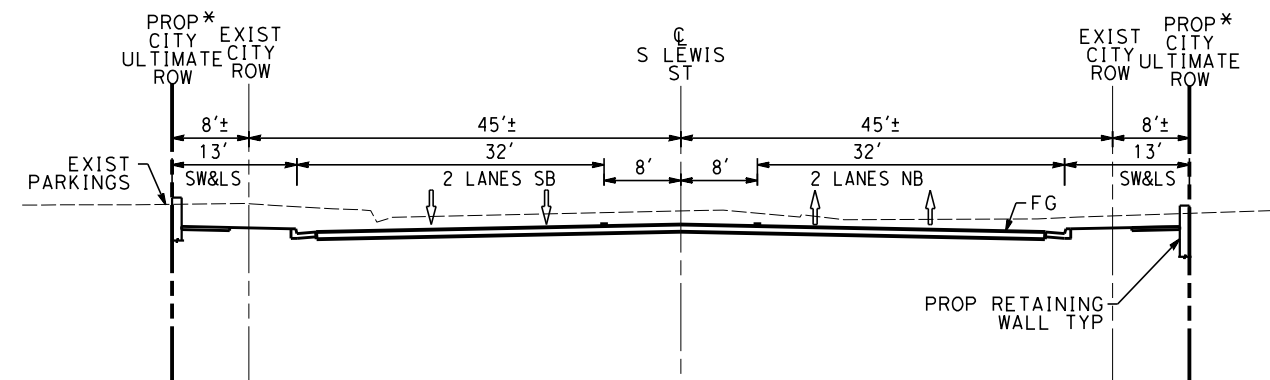
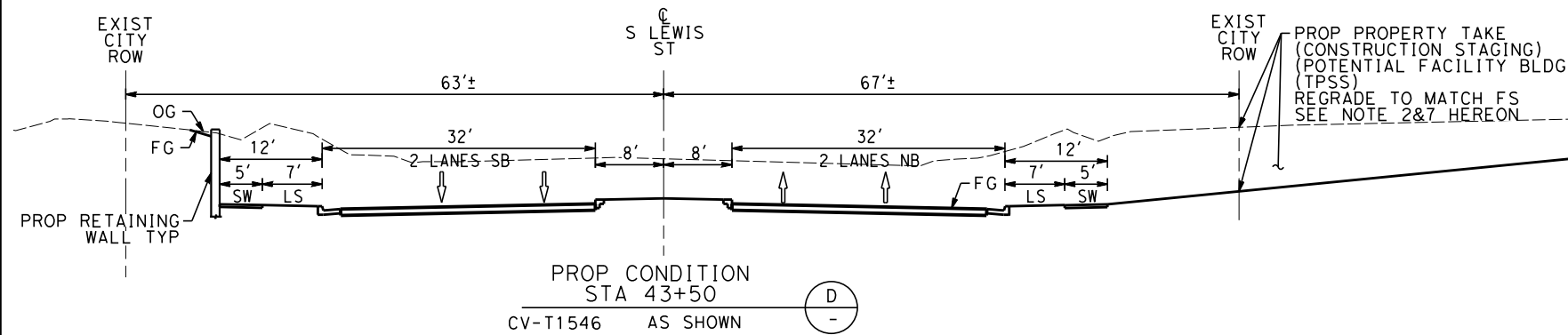
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
IMPACT PLAN - SHEET 2 OF 2

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

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Chiang



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

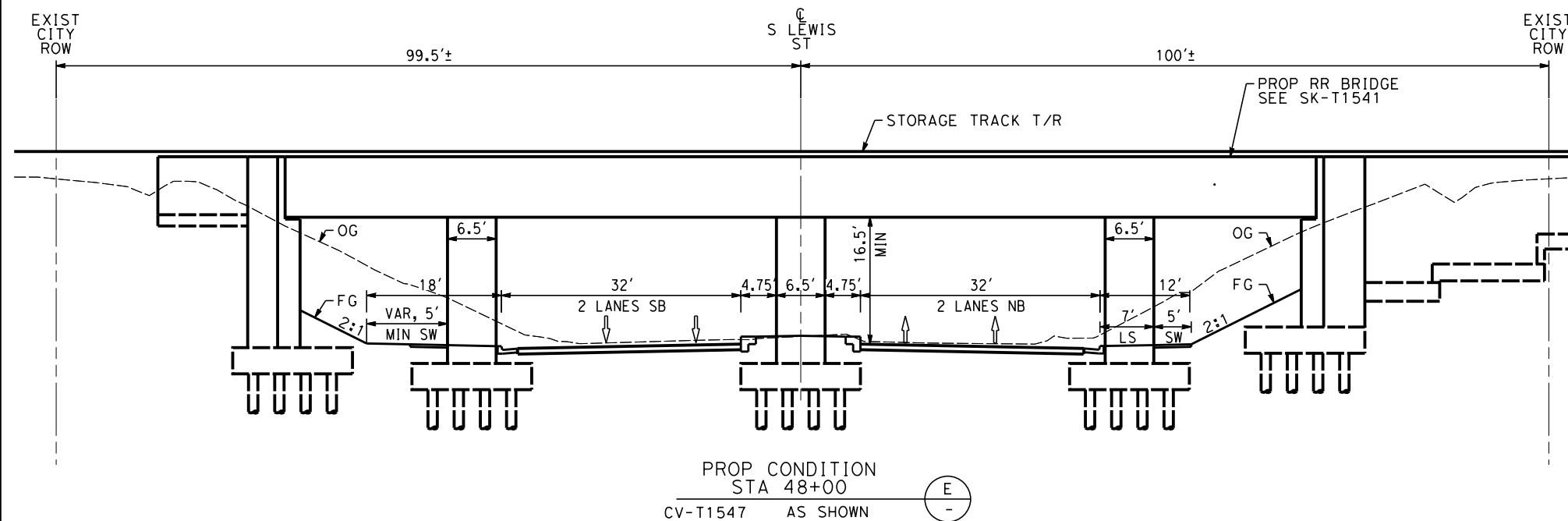


* PROP CITY ULTIMATE RIGHT-OF-WAY TO MATCH CITY'S PTP (PLATINUM TRIANGLE PLAN) SEE PTP PROJECT 6B

PROP CONDITION STA 56+00

CV-T1547 AS SHOWN

(F)



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

10 0 10 20

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

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CHIANG

DRAWN BY
A. CHIANG

CHECKED BY
A. BOSCH

IN CHARGE
J. SWANSON

DATE
02/28/25

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION

GRADE SEPARATION - S LEWIS ST

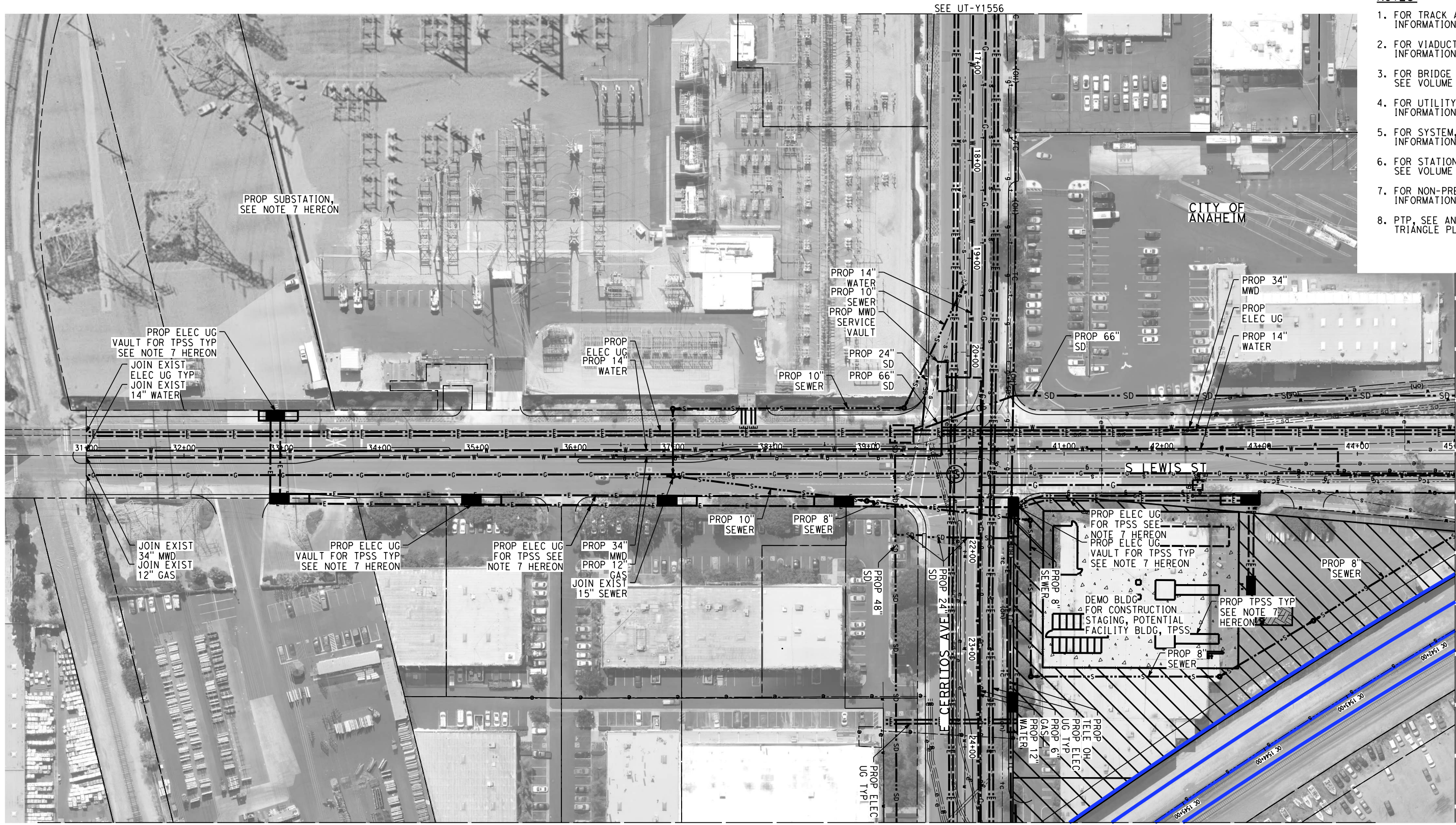
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T3541

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-PREFERRED 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

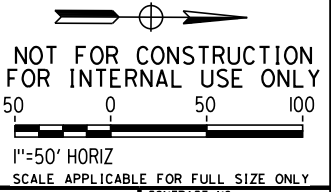
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

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.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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 7. FOR NON-PREFERRED 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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SUBMITTAL
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USE ONLY

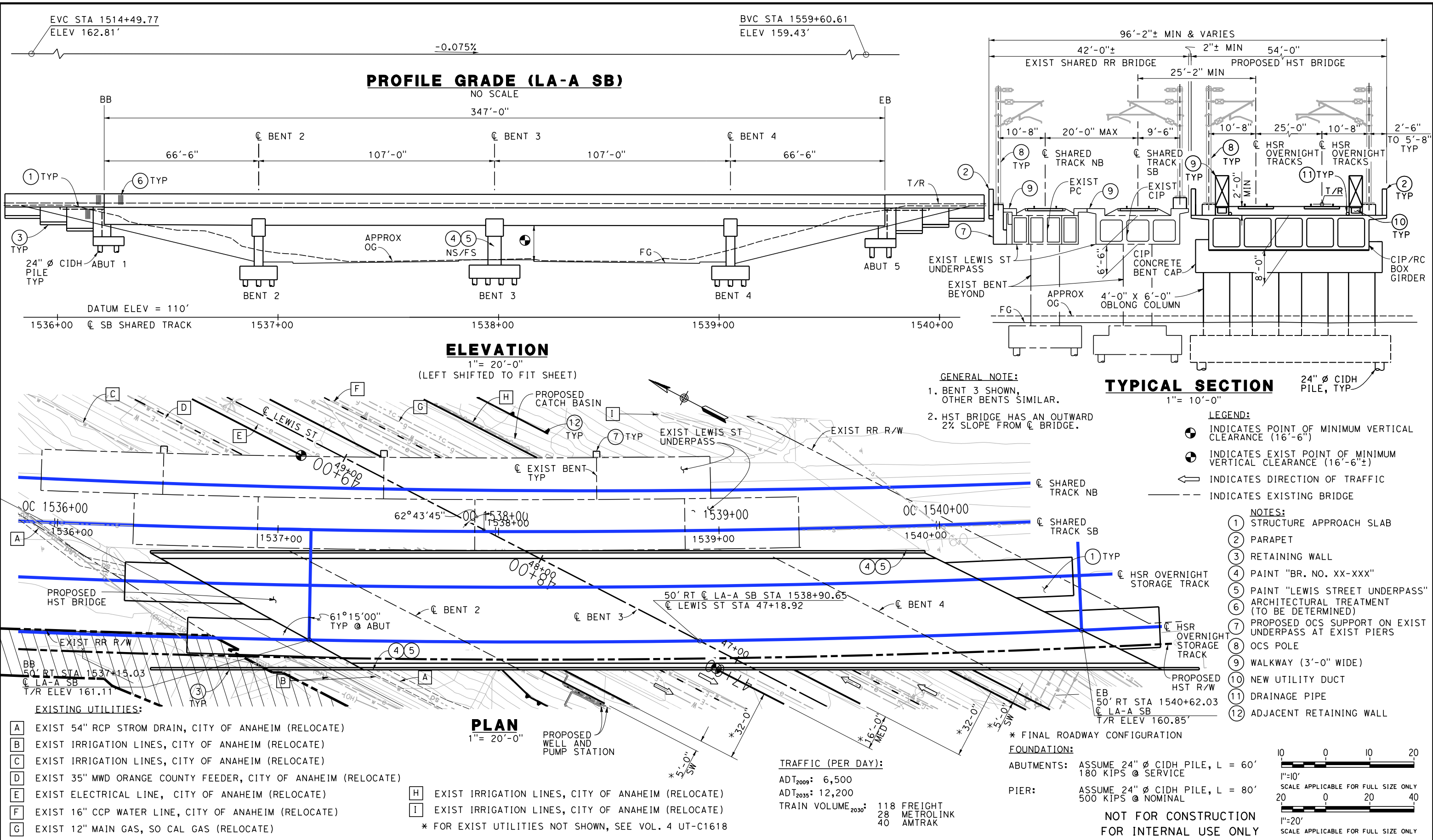
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S LEWIS ST
UTILITY PLAN - SHEET 2 OF 2

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

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REV	DATE	BY	SUB	APP	DESCRIPTION

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

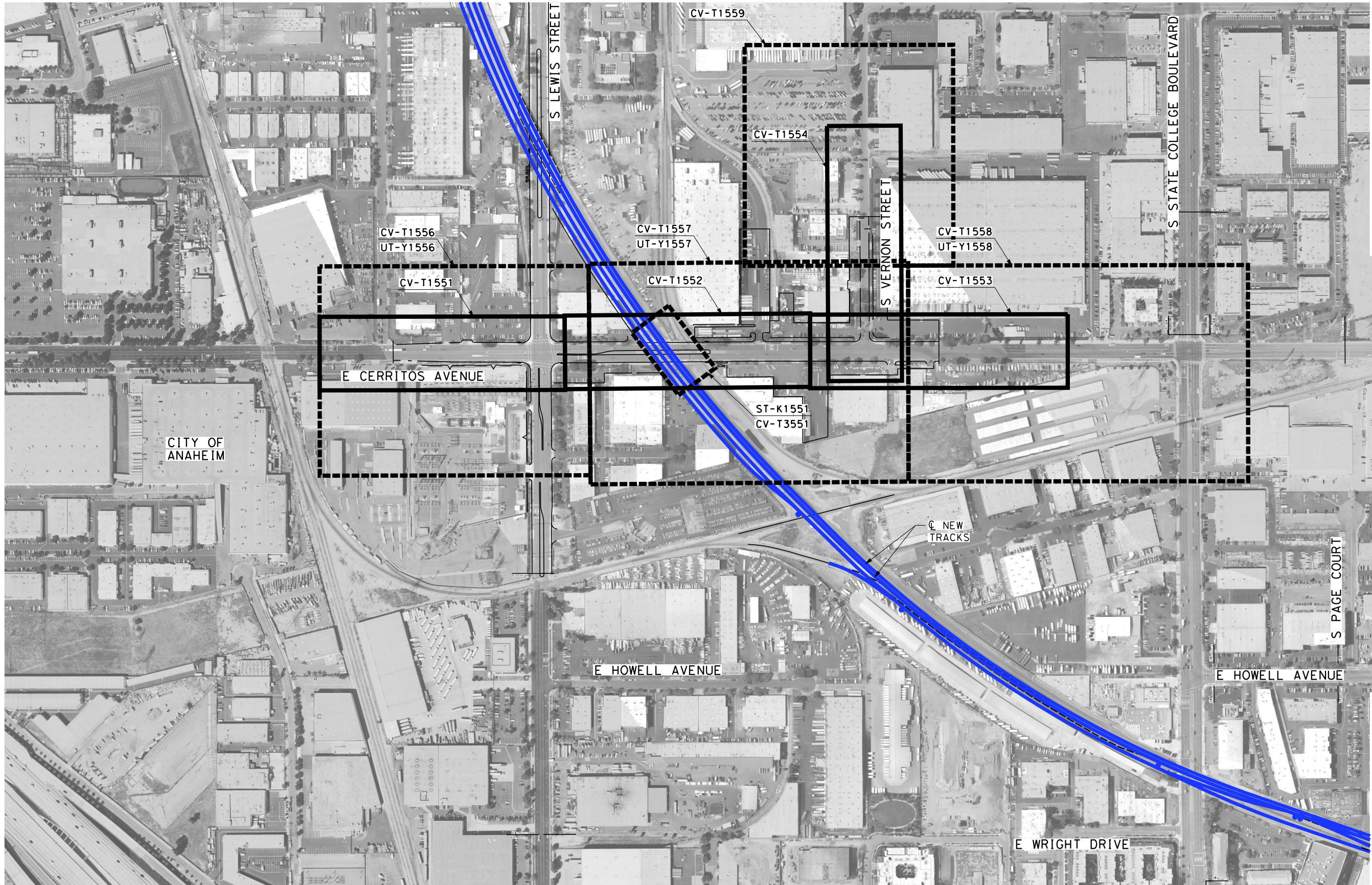
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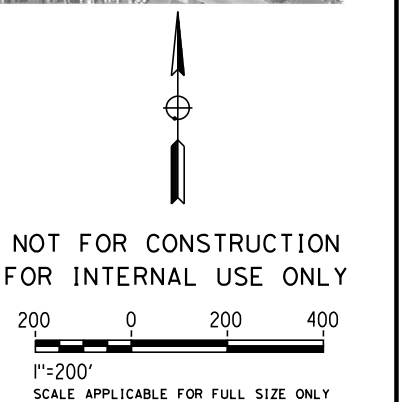


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - LEWIS ST
GENERAL PLAN

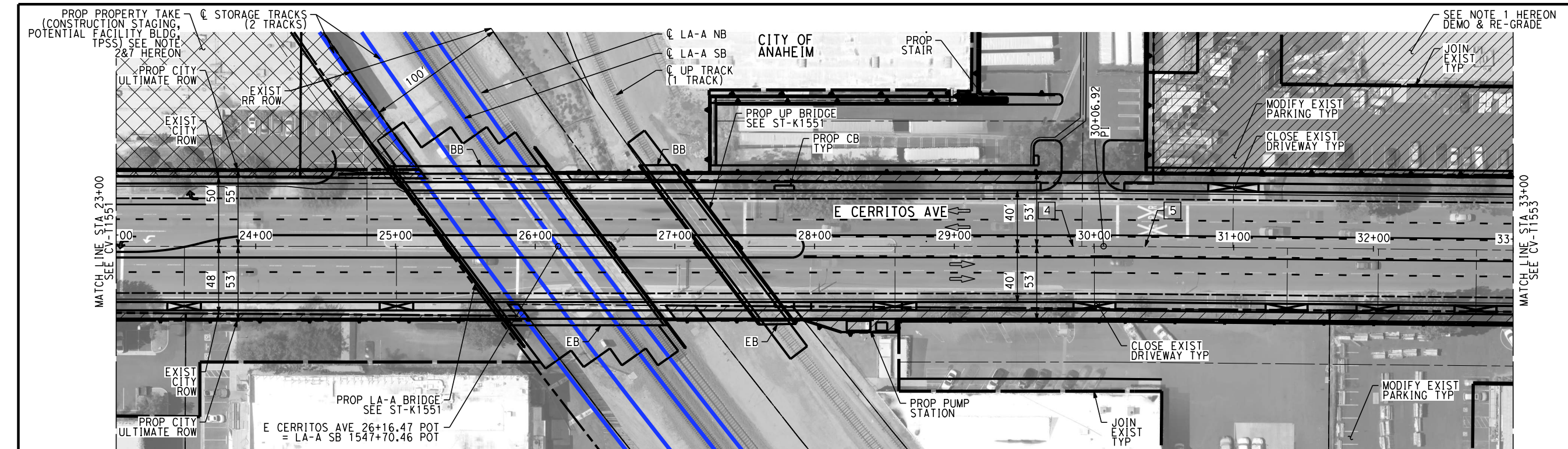
PROJECT NO.
HSR06-0005
DRAWING NO.
ST-K1541
SCALE
AS SHOWN
SHEET NO.



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

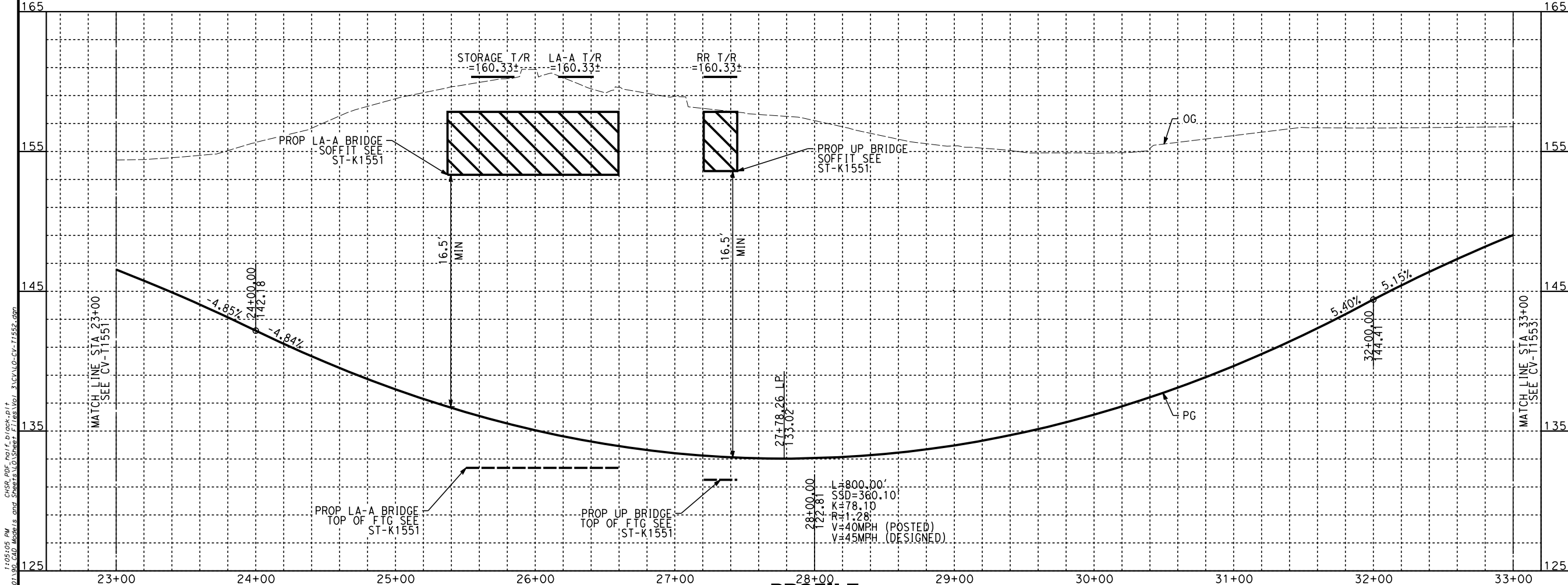
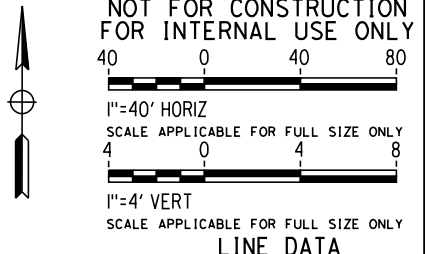


						DESIGNED BY M. MAMAWAL	PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADE SEPARATION - E CERRITOS AVE ORIENTATION MAP	CONTRACT NO. HSR06-0005
						DRAWN BY M. MAMAWAL				DRAWING NO. CV-T0551
						CHECKED BY J. SWANSON				SCALE 1" = 200'
						IN CHARGE J. SWANSON				SHEET NO.
						DATE 08/29/25				
REV	DATE	BY	CHK	APP	DESCRIPTION					



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-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



PROFILE

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

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

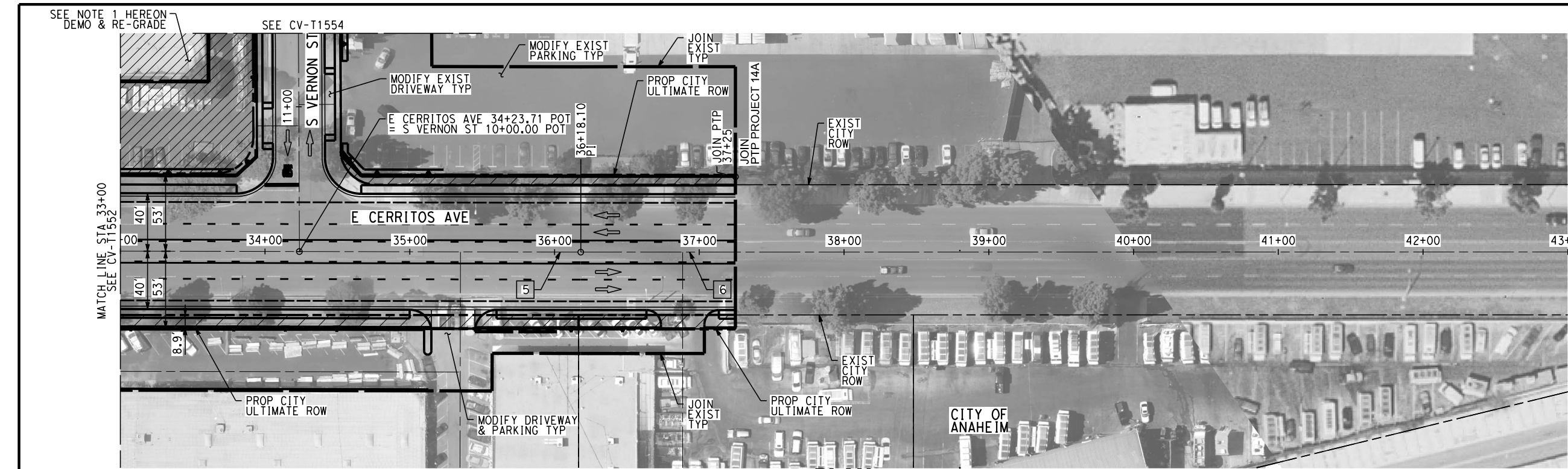


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

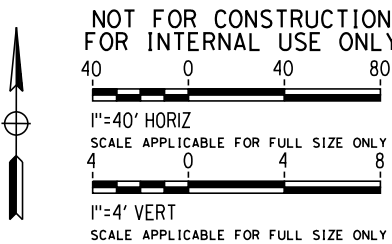
RECORD SET

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

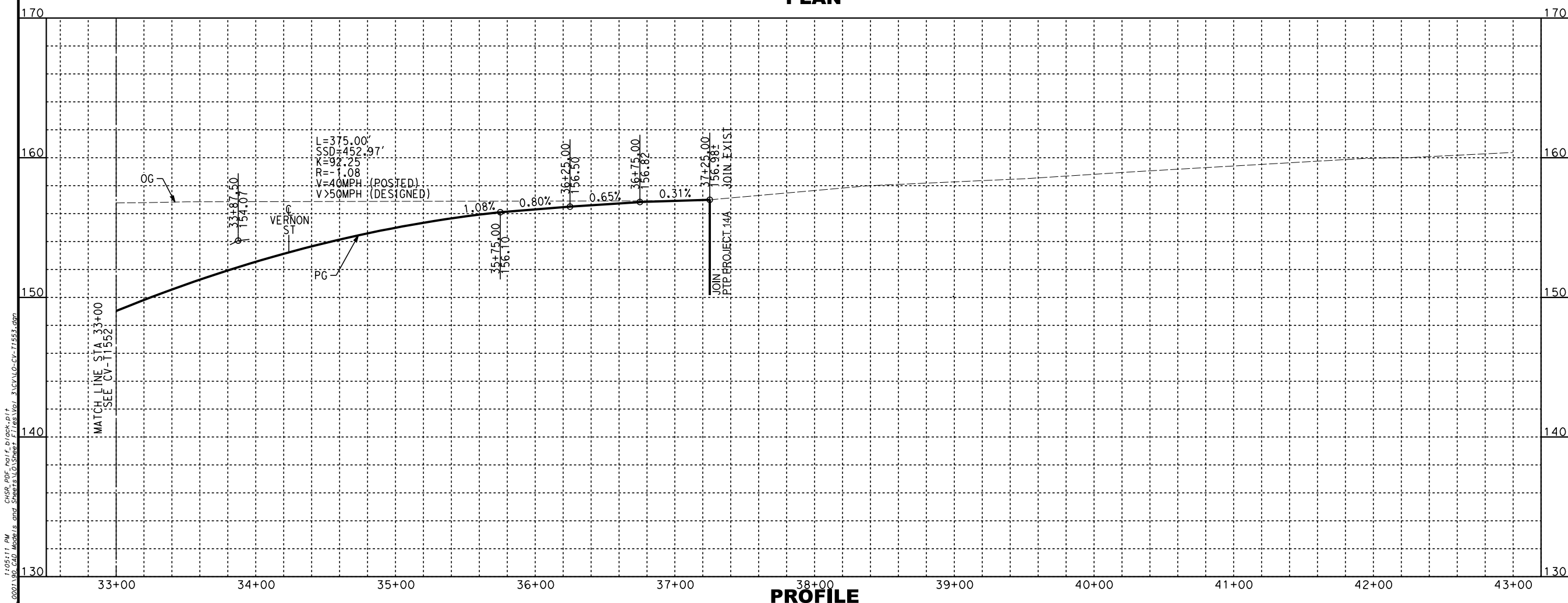
CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1552
SCALE AS SHOWN
SHEET NO.



- 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-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.



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



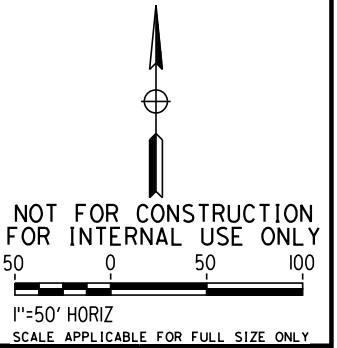
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REV	DATE	BY	CHK	APP	DESCRIPTION																

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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.
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7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

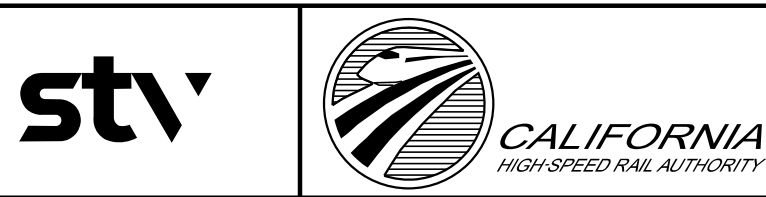


REV	DATE	BY	CHK	APP	DESCRIPTION

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

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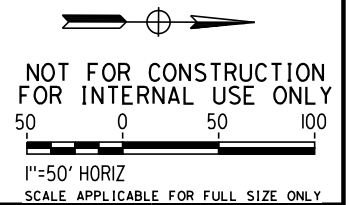
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED 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
DRAWING NO.
CV-T1558
SCALE
AS SHOWN
SHEET NO.

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



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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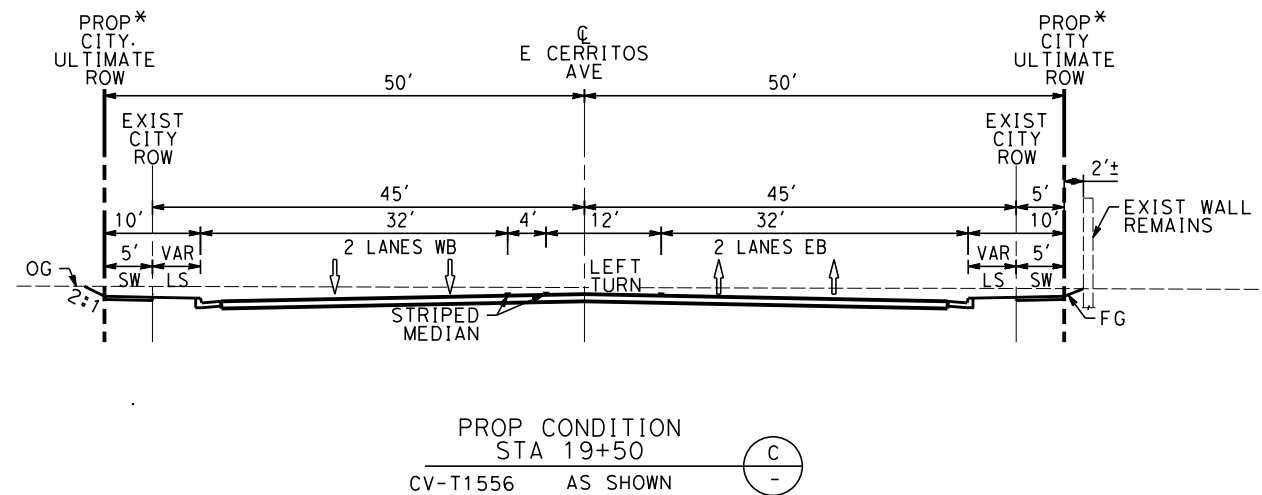


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

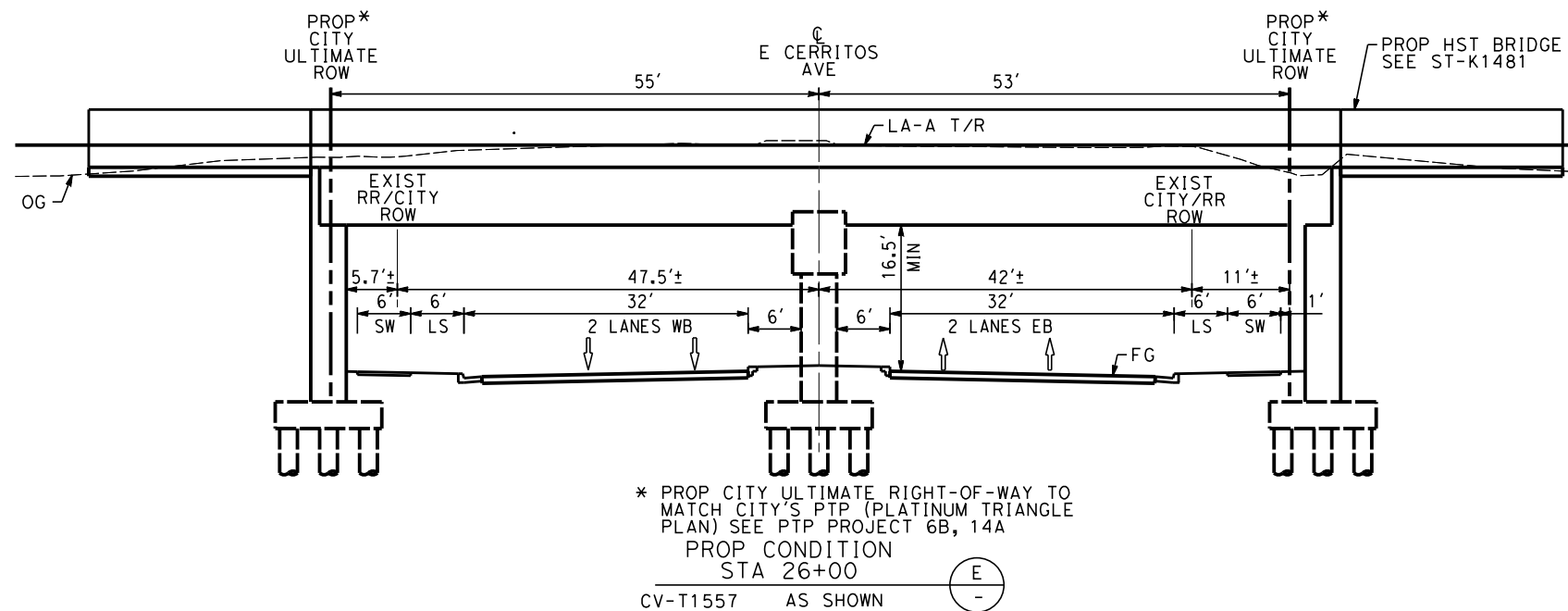
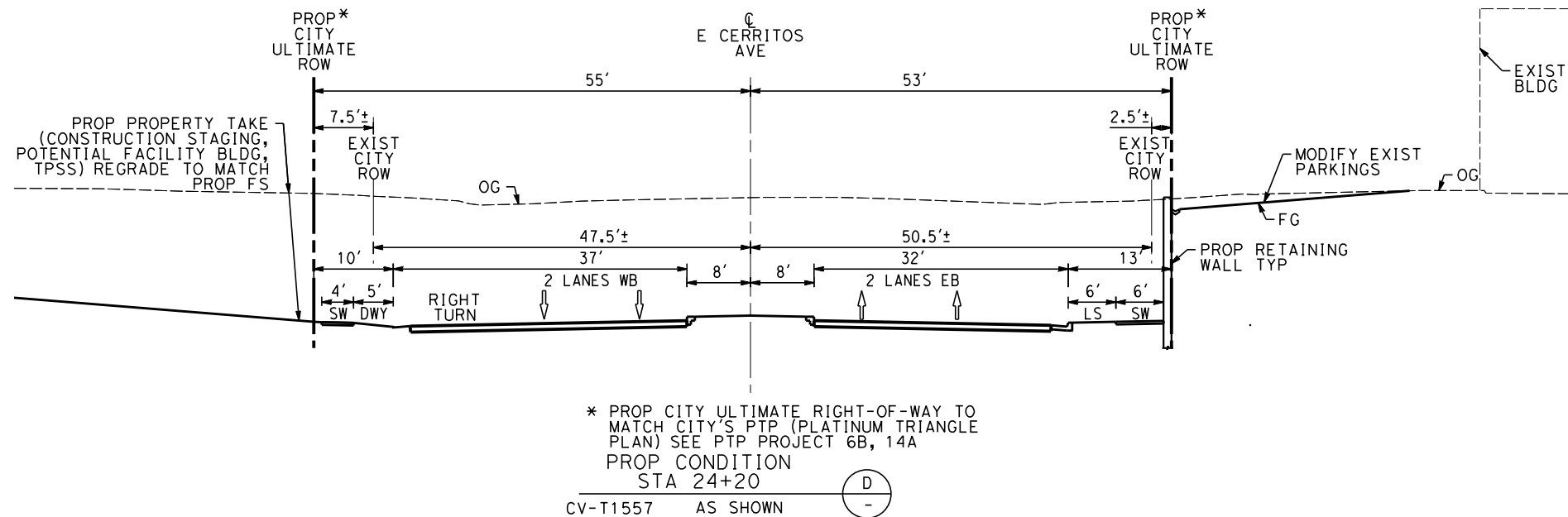
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S VERNON ST
IMPACT PLAN - SHEET 1 OF 1

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



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FOR INTERNAL USE ONLY

10 0 10 20

1"=10' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20

1"=10' VERT

SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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CONSTRUCTION**



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

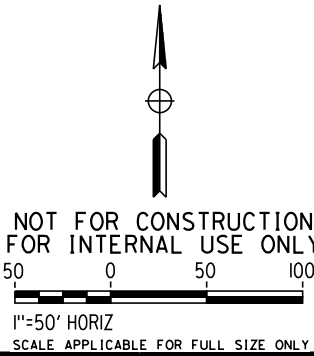
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NOTES:

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.



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

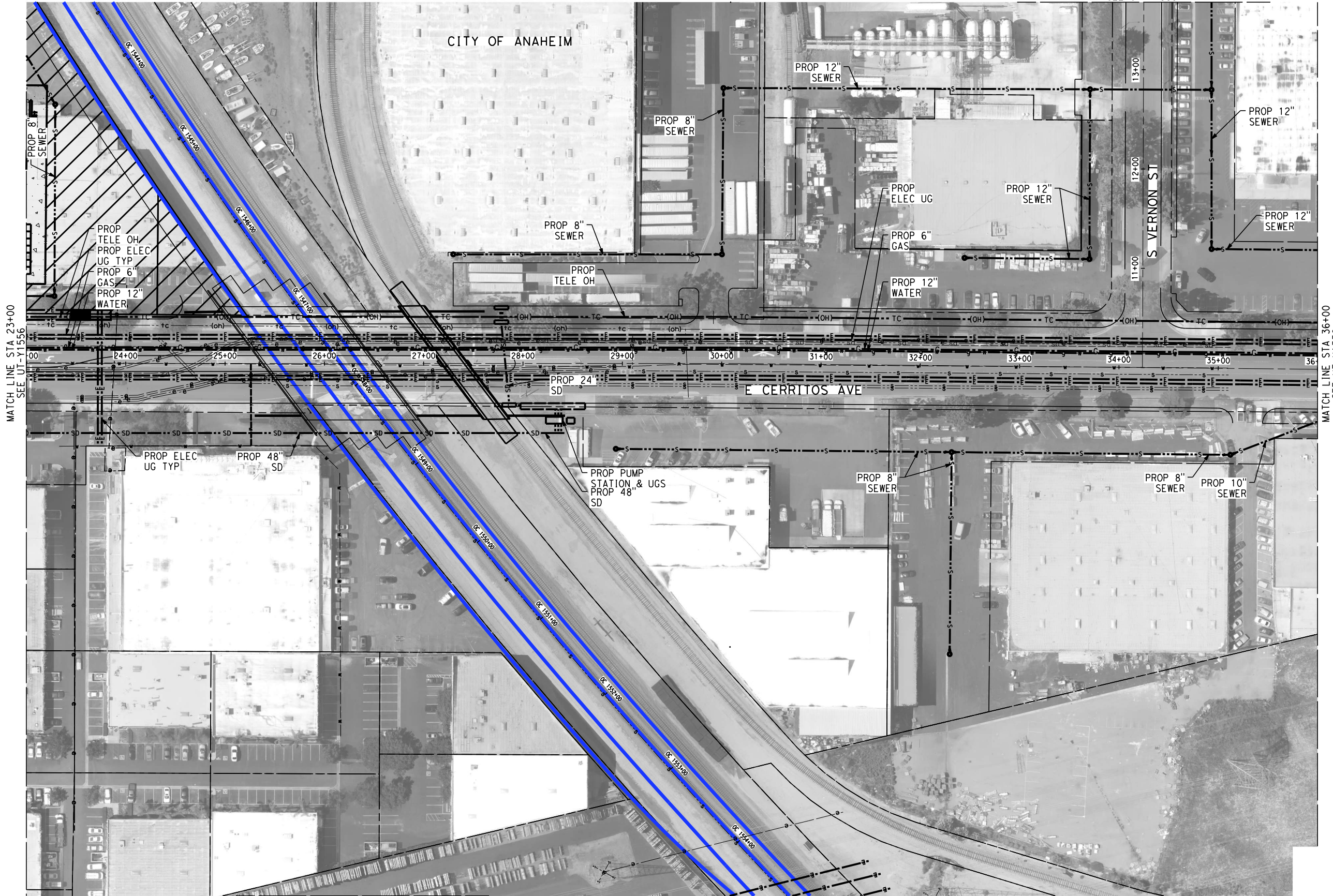
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
UTILITY PLAN - SHEET 1 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1556
SCALE
AS SHOWN
SHEET NO.

NOTES:

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

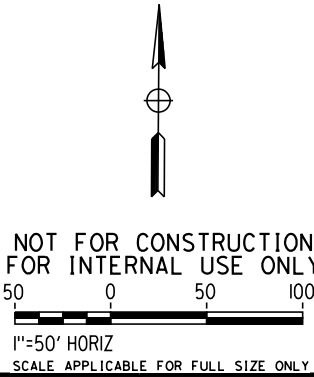
SEE UT-Y1559



MATCH LINE STA 36+00
SEE UT-Y1558

MATCH LINE STA 23+00
SEE UT-Y1556

SEE UT-Y1546



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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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CONSTRUCTION

stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

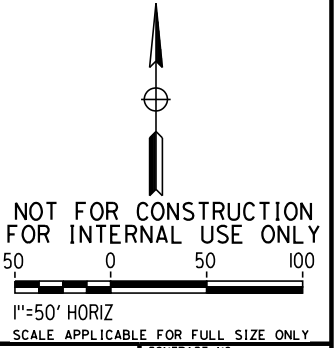
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PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
UTILITY PLAN - SHEET 2 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1557
SCALE
AS SHOWN
SHEET NO.



- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
 4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
 5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
 6. FOR STATION INFORMATION, SEE VOLUME 3.5.
 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. 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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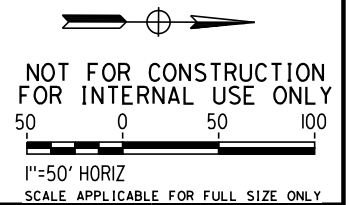
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

RECORD SET

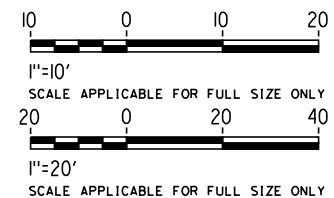
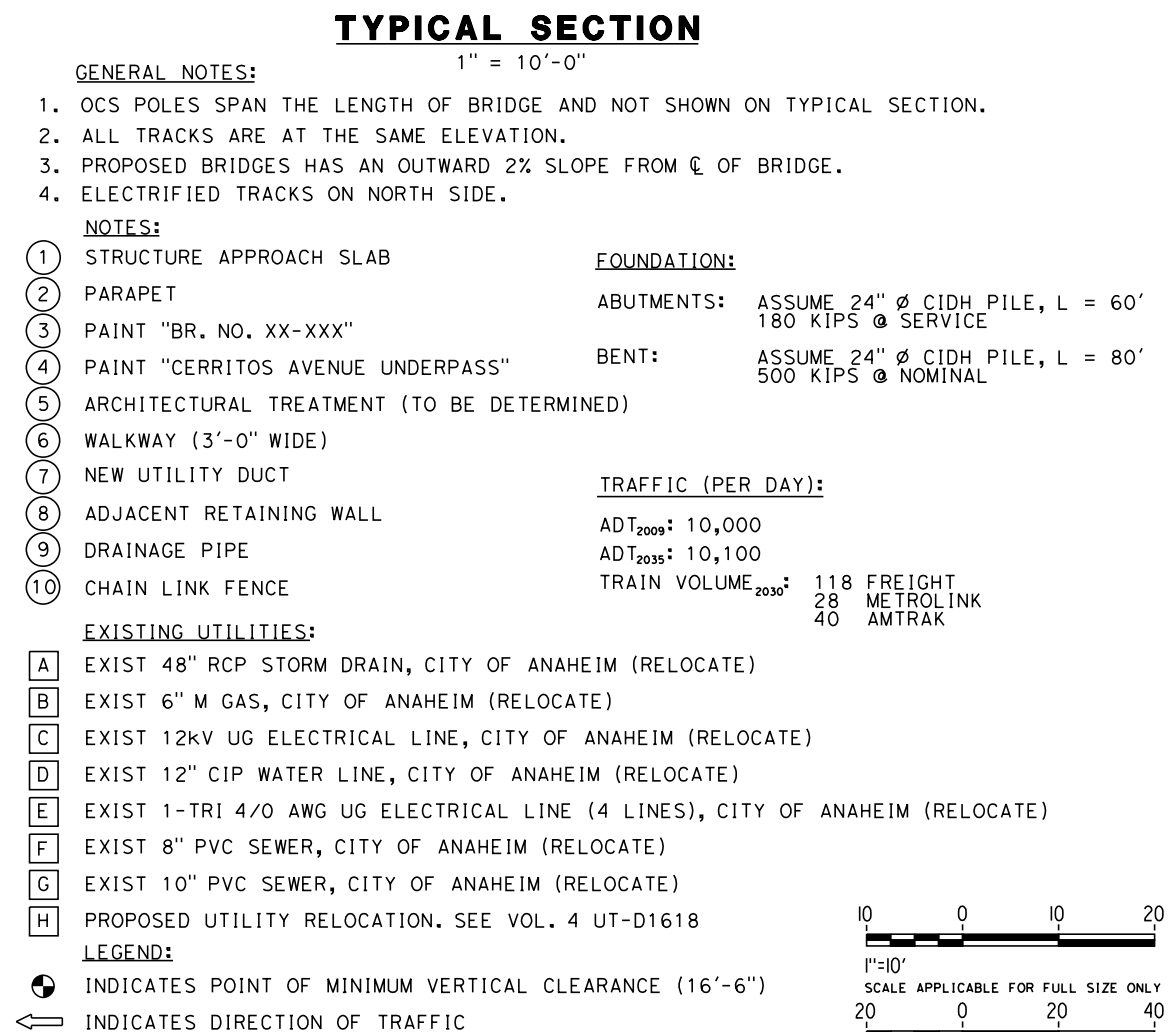
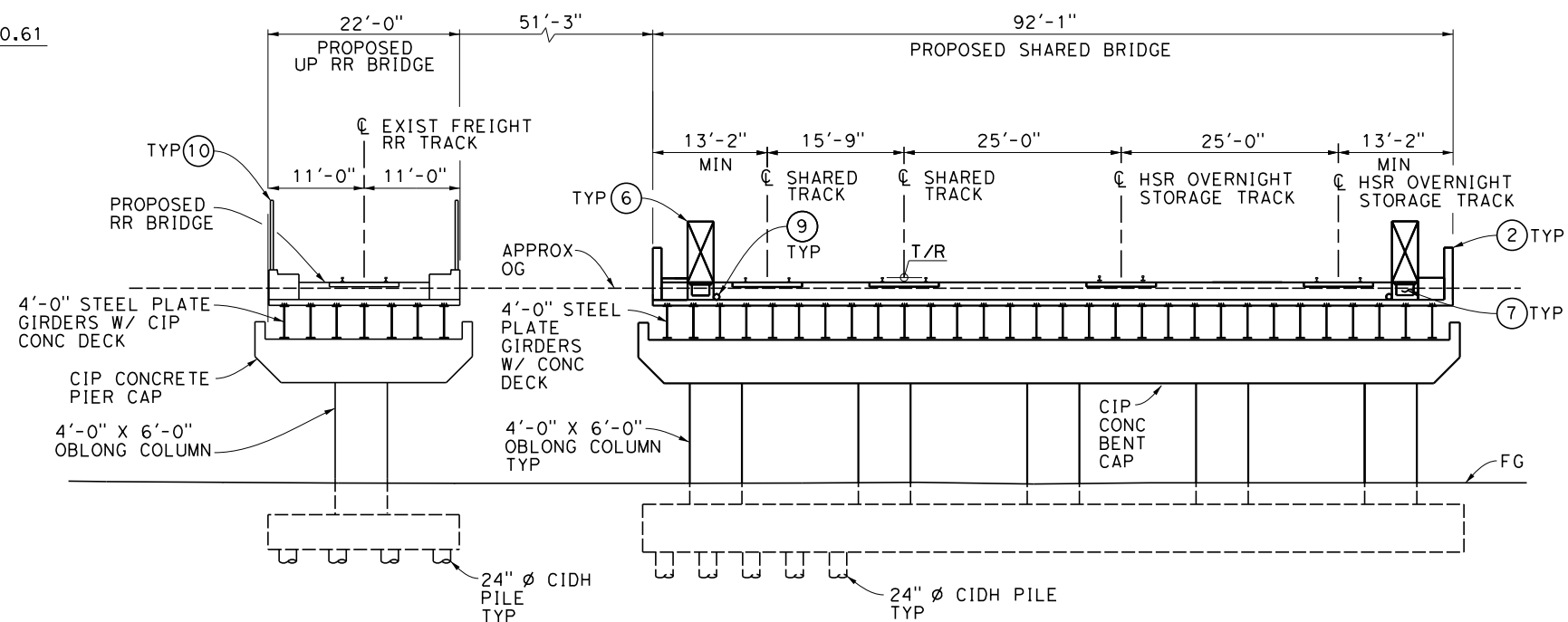
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E CERRITOS AVE
UTILITY PLAN - SHEET 3 OF 3

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

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



CONTRACT NO.
HSR06-0005
DRAWING NO.
UT-Y1559
SCALE
AS SHOWN
SHEET NO.

[illegible]

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
USE ONLY**

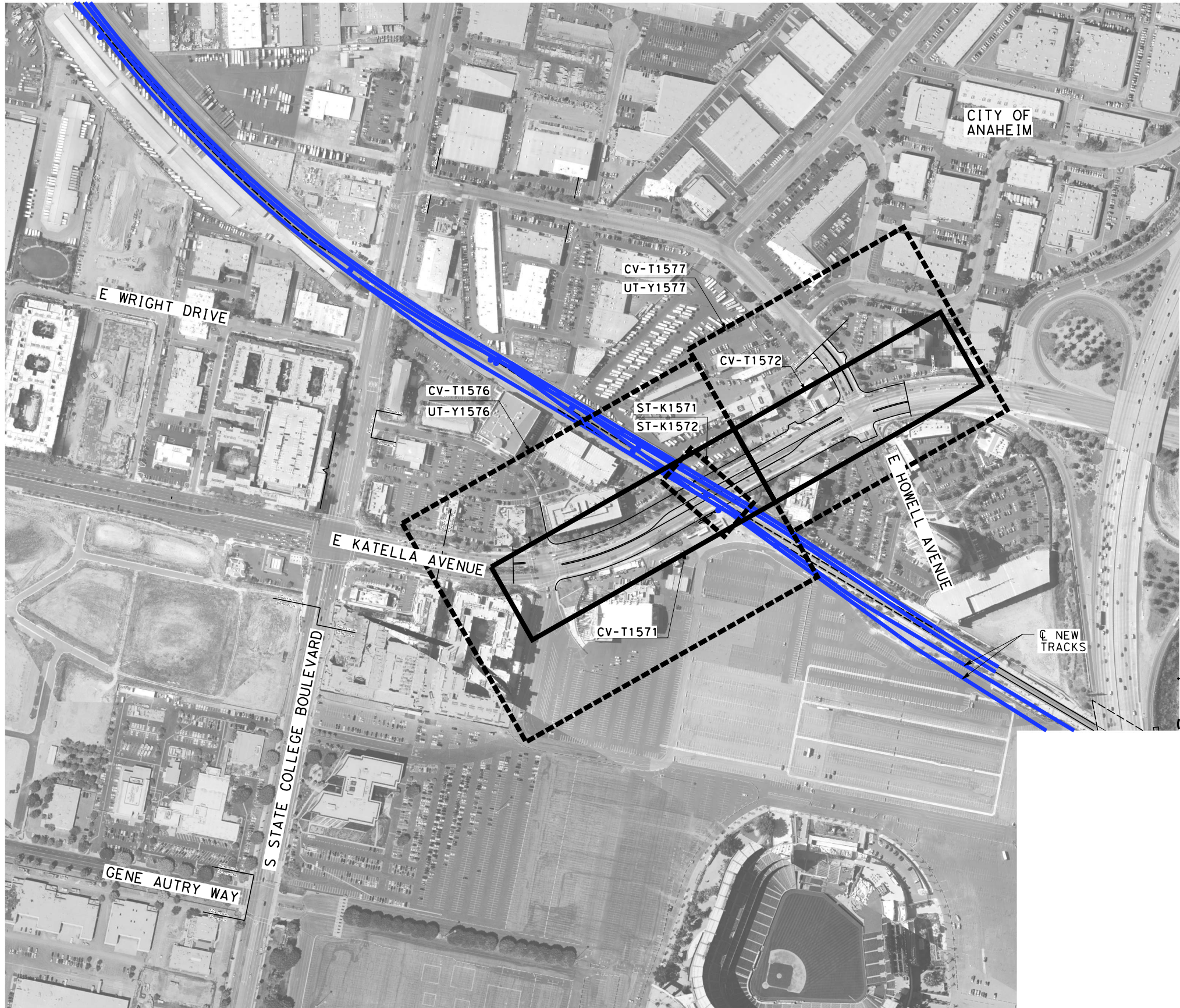
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CONSTRUCTION**



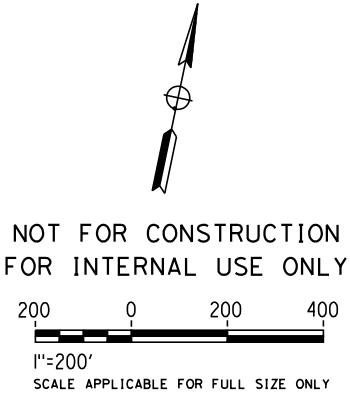
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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



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



\$PLOT\$						
	REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. MAMAWAL
DRAWN BY
M. MAMAWAL
CHECKED BY
J. SWANSON
IN CHARGE
J. SWANSON
DATE
08/09/25

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SUBMITTAL
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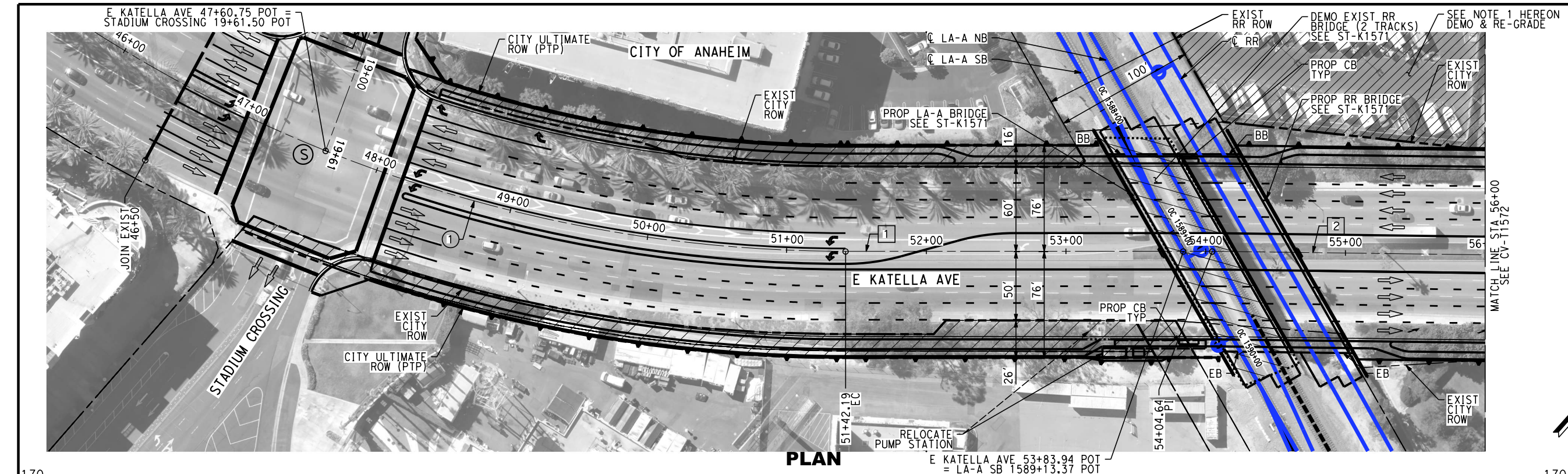
NOT FOR
CONSTRUCTION



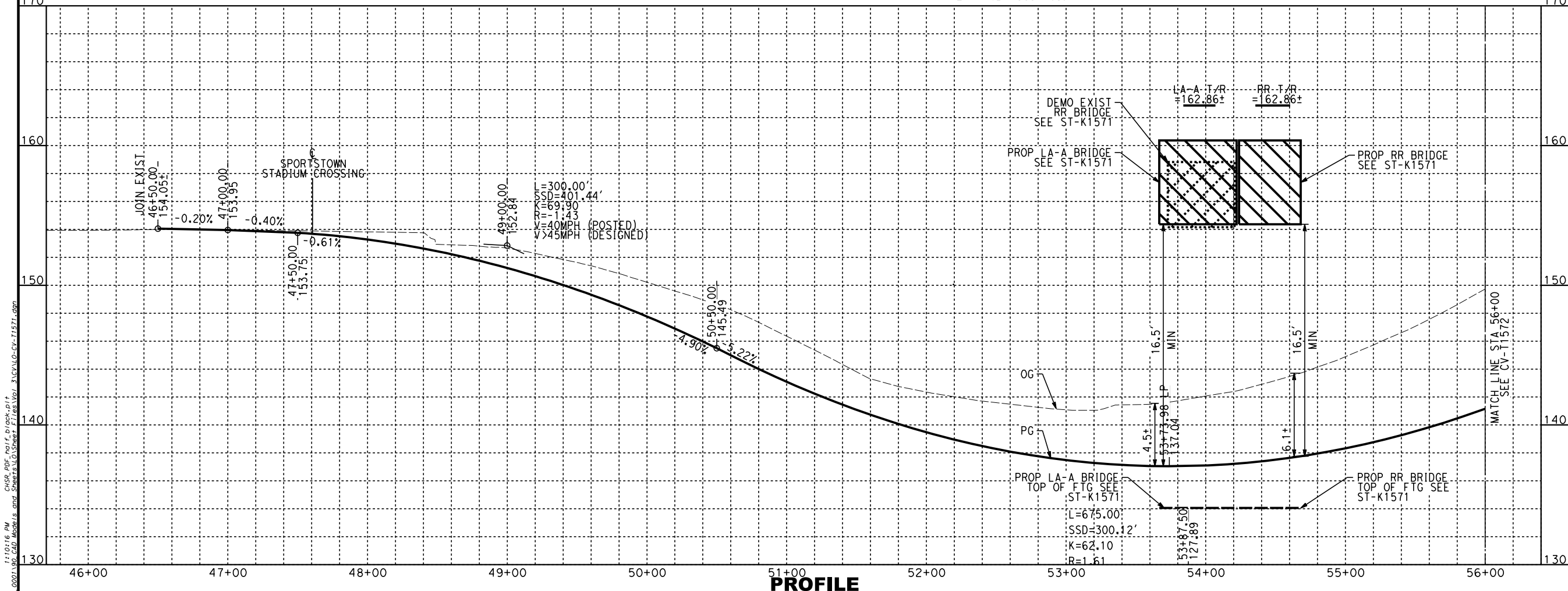
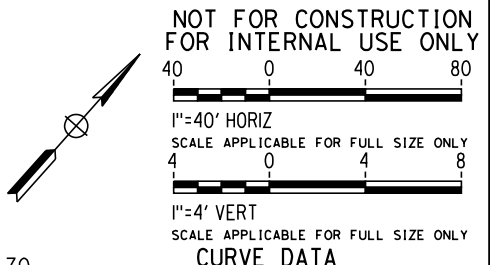
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T0571
SCALE
1" = 200'
SHEET NO.



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



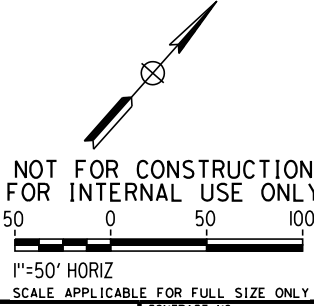
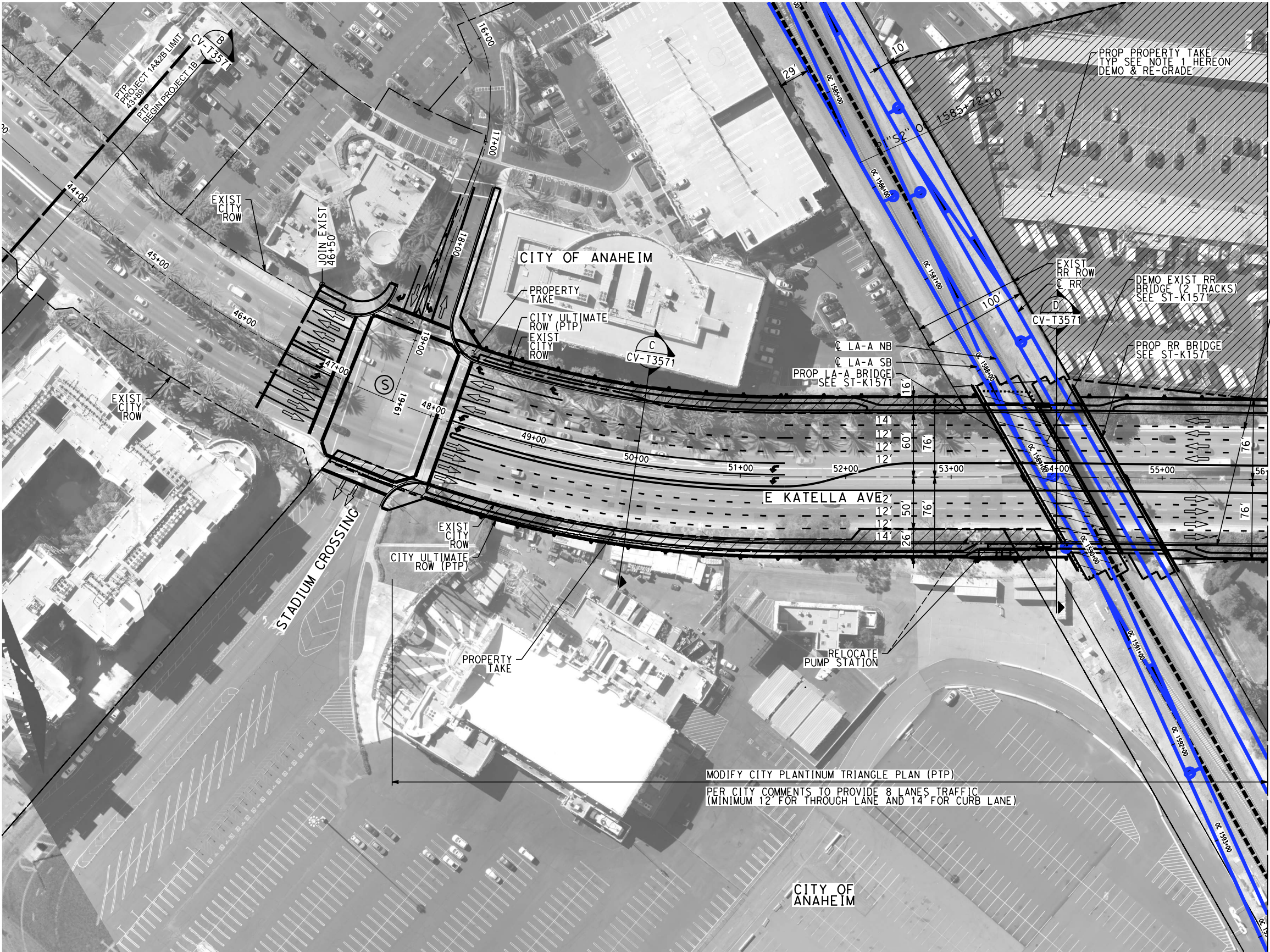
LINE DATA

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

		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
DESIGNED BY A. CHIANG	PEPD SUBMITTAL FOR INTERNAL USE ONLY	NOT FOR CONSTRUCTION	SCALE AS SHOWN
DRAWN BY A. CHIANG			SHEET NO.
CHECKED BY A. BOSCH			
IN CHARGE J. SWANSON			
DATE 02/28/25			

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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7. FOR NON-PREFERRED 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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USE ONLY

NOT FOR
CONSTRUCTION



**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.

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REV	DATE	BY	CHK	APP	DESCRIPTION

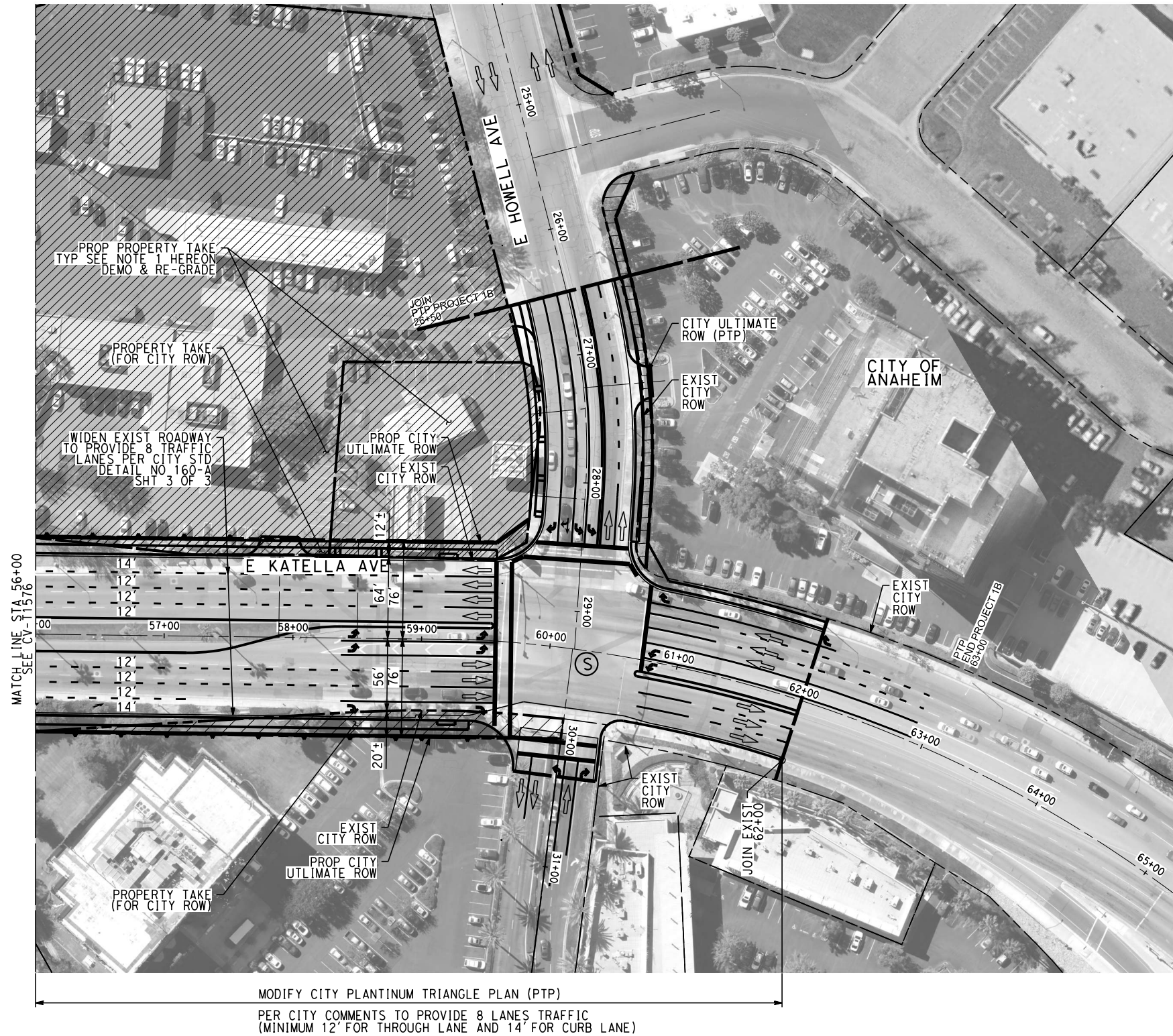
DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25

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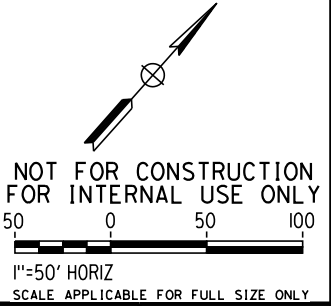


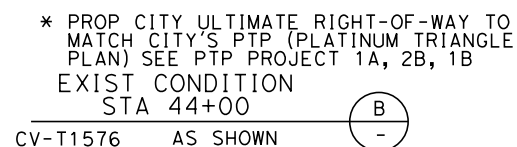
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E KATELLA AVE
IMPACT PLAN - SHEET 2 OF 2

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

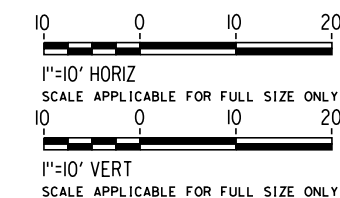
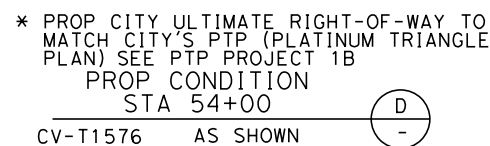
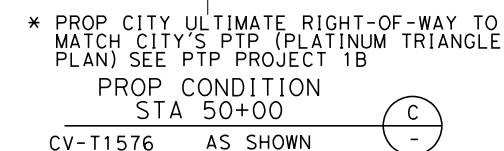


- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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 8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.





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7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
8. PTP, SEE ANAHEIM'S PLATINUM TRIANGLE PLAN.

[illegible]

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

**PEPD
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FOR INTERNAL
USE ONLY**

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CONSTRUCTION**

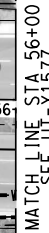


RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E KATELLA AVE
CROSS SECTION - SHEET 1 OF 1

CONTRACT NO.	HSR06-0005
DRAWING NO.	CV-T3571
SCALE	AS SHOWN
SHEET NO.	

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



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

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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET

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

CONTRACT NO.
HSR06-0005

DRAWING NO.

UT-Y1576

SCALE

AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

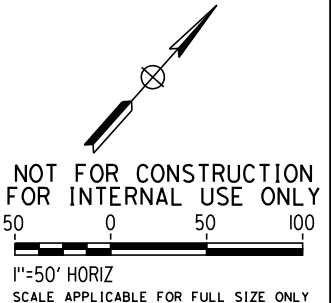
RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - E KATELLA AVE
UTILITY PLAN - SHEET 2 OF 2

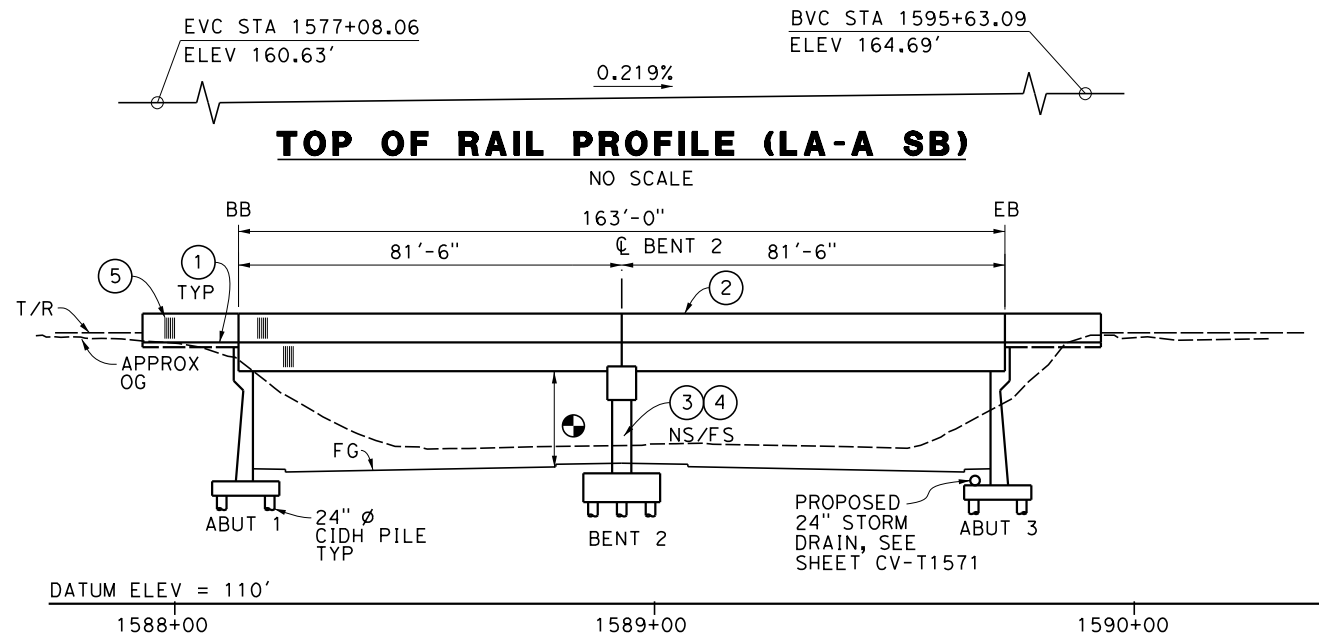
CONTRACT NO. HSR06-0005
DRAWING NO. UT-Y1577
SCALE AS SHOWN
SHEET NO.



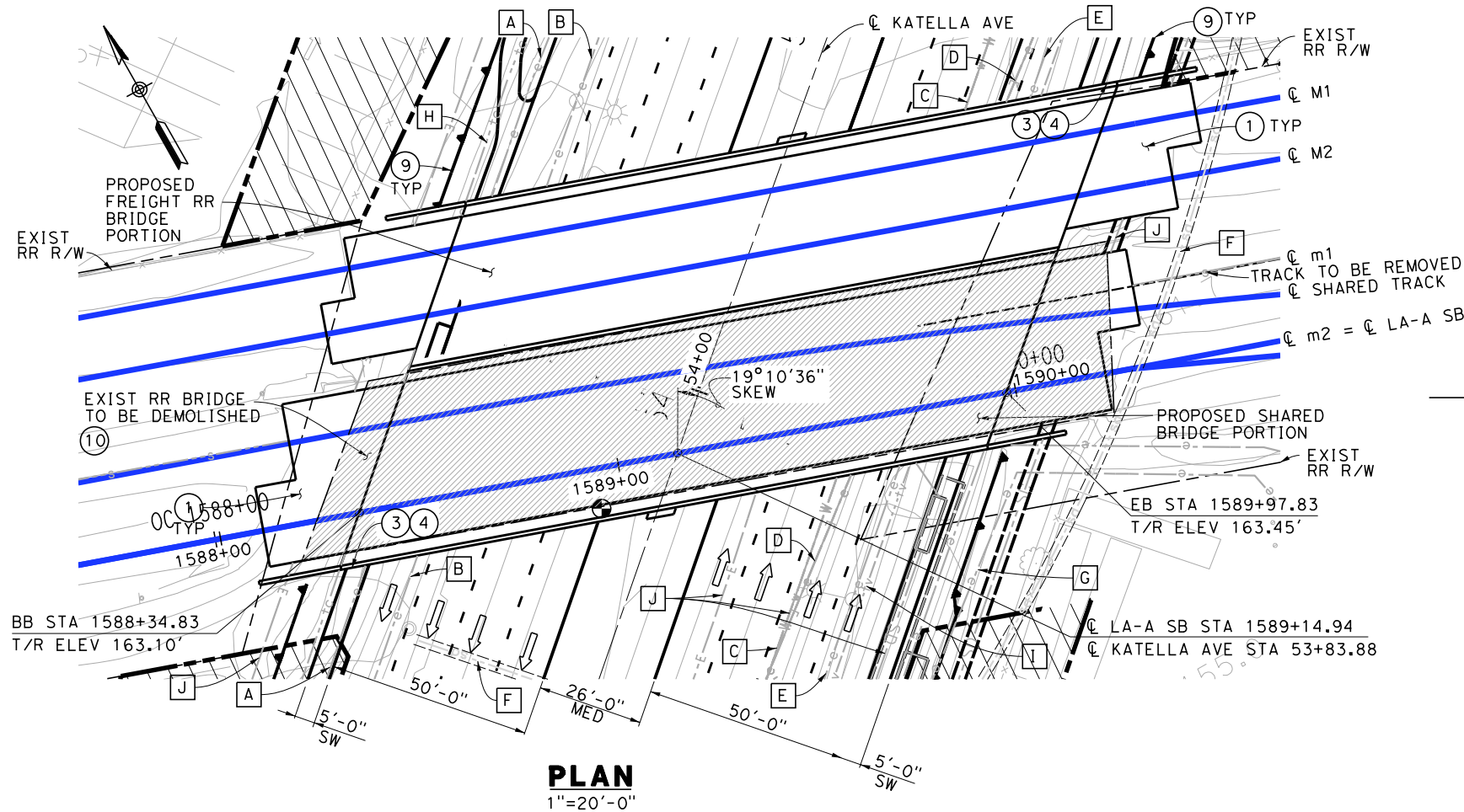
- NOTES:**
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
 2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
 3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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 7. FOR NON-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.
 8. PTP, SEE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



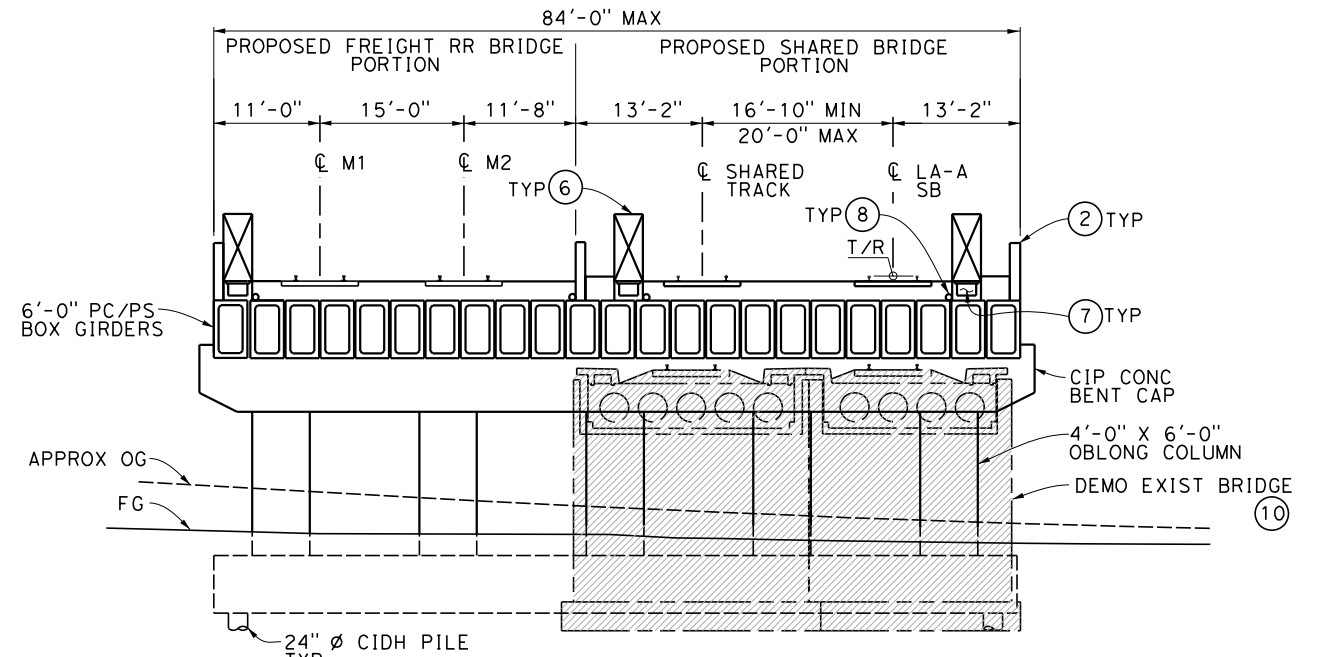
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ELEVATION
1"=20'-0"



PLAN
1"=20'-0"



TYPICAL SECTION
1" = 10'-0"

- NOTES:**
- STRUCTURE APPROACH SLAB
 - PARAPET
 - PAINT "BR. NO. XX-XXX"
 - PAINT "KATELLA AVENUE UNDERPASS"
 - ARCHITECTURAL TREATMENT (TO BE DETERMINED)
 - WALKWAY (3'-0" WIDE)
 - NEW UTILITY DUCT
 - DRAINAGE PIPE
 - RETAINING WALL (SEE CV-T1571)
 - 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

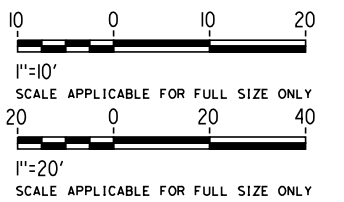
GENERAL NOTES:

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

TRAFFIC (PER DAY):

- ADT₂₀₀₉: 34,200
ADT₂₀₃₅: 50,000
TRAIN VOLUME₂₀₃₀: 118 FREIGHT
28 METROLINK
40 AMTRAK

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**

stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - KATELLA AVE
GENERAL PLAN

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

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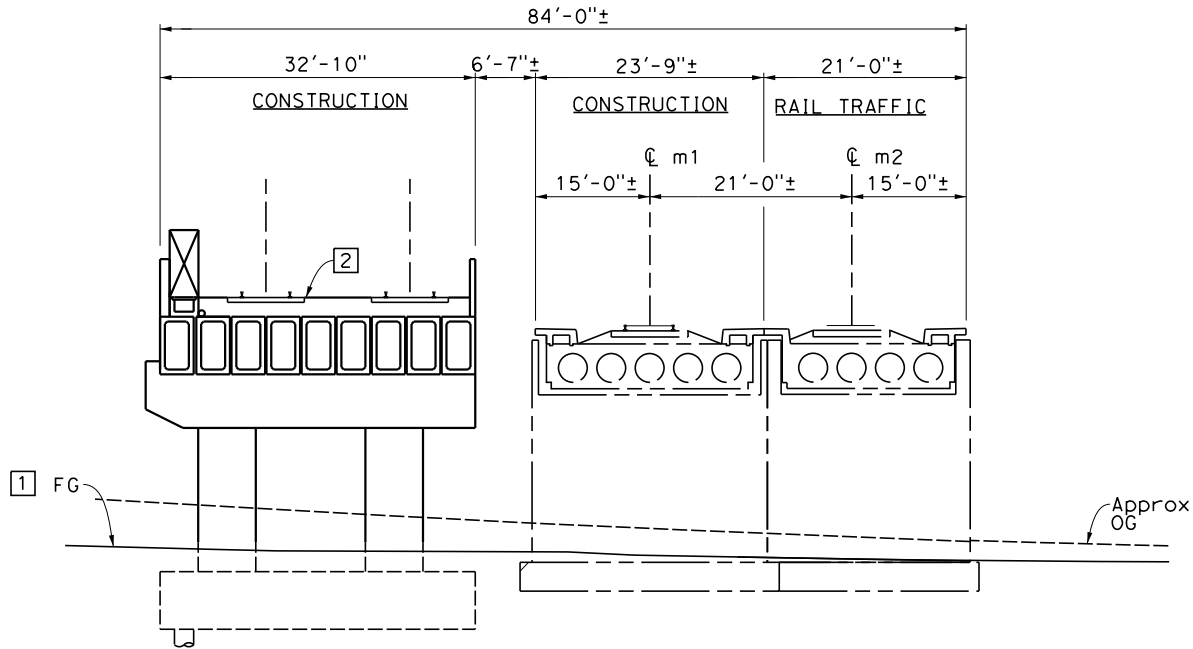
SUGGESTED CONSTRUCTION STAGING:

STAGE 1 REGRADE CURRENT ROADWAY.

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

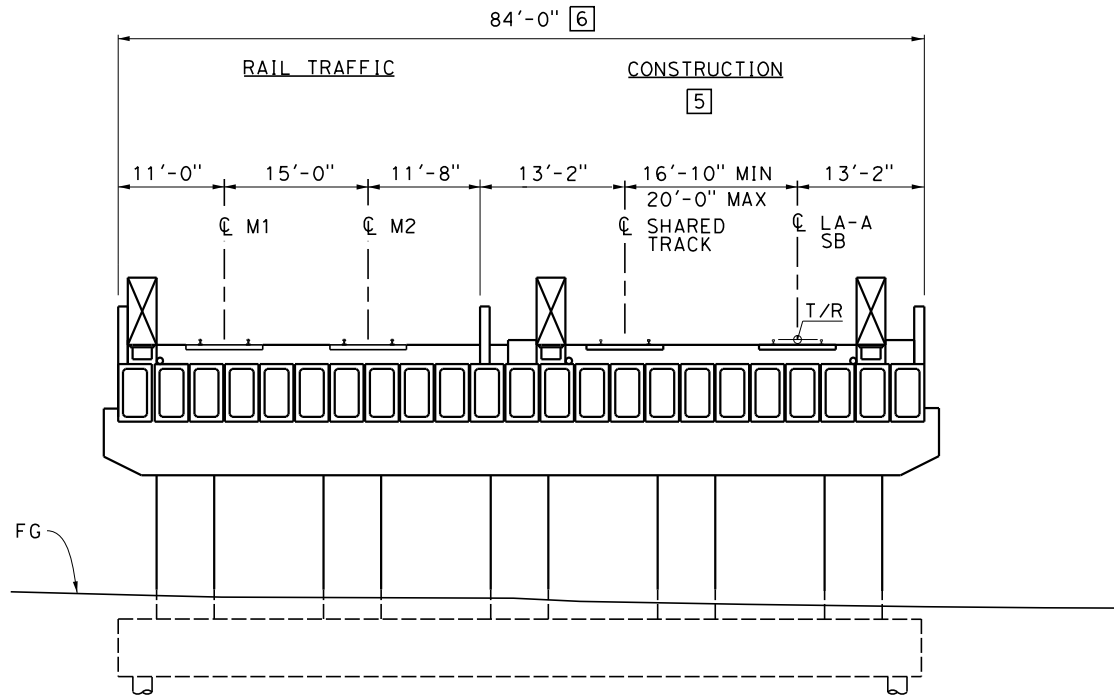
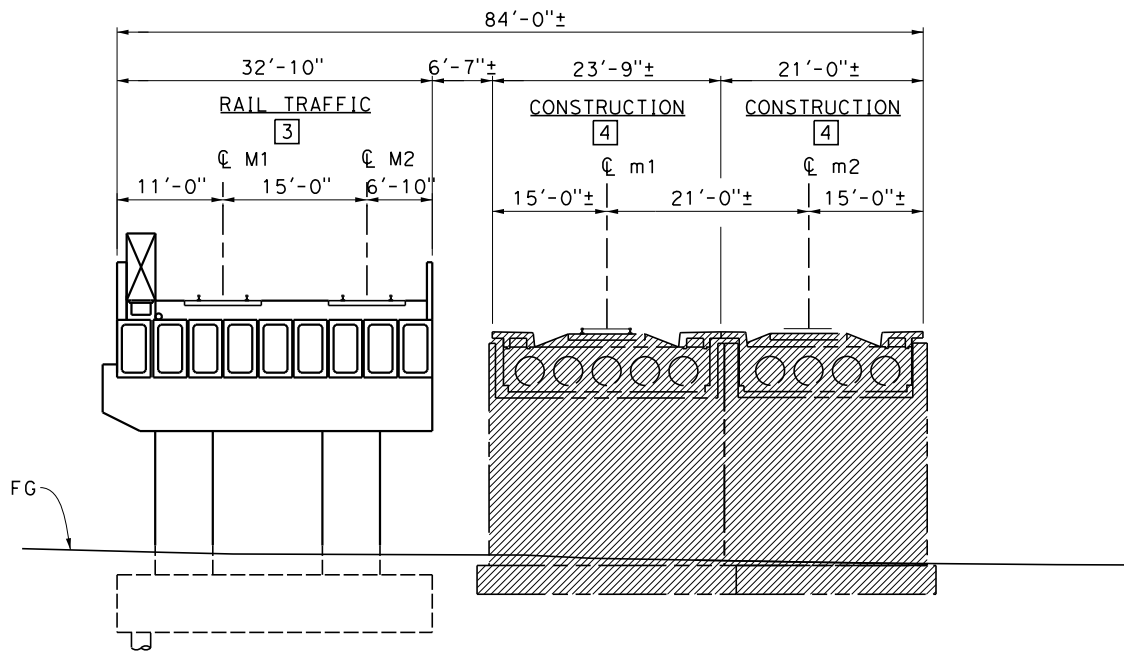
STAGE 5 CONSTRUCT REMAINING PORTION OF THE HST/SHARED TRACK BRIDGE.

STAGE 6 SHIFT ALL RAIL TRAFFIC TO FINAL LOCATIONS.

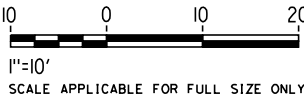


STAGE 3 SHIFT NB RAIL TRAFFIC ON NEWLY CONSTRUCTED RR BRIDGE.

STAGE 4 DEMOLISH EXISTING RR BRIDGE.



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



REV	DATE	BY	SUB	APP	DESCRIPTION

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

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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 - KATELLA AVE
STAGE CONSTRUCTION

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

\$PLOT\$

REV	DATE	BY	CHK	APP	DESCRIPTION

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

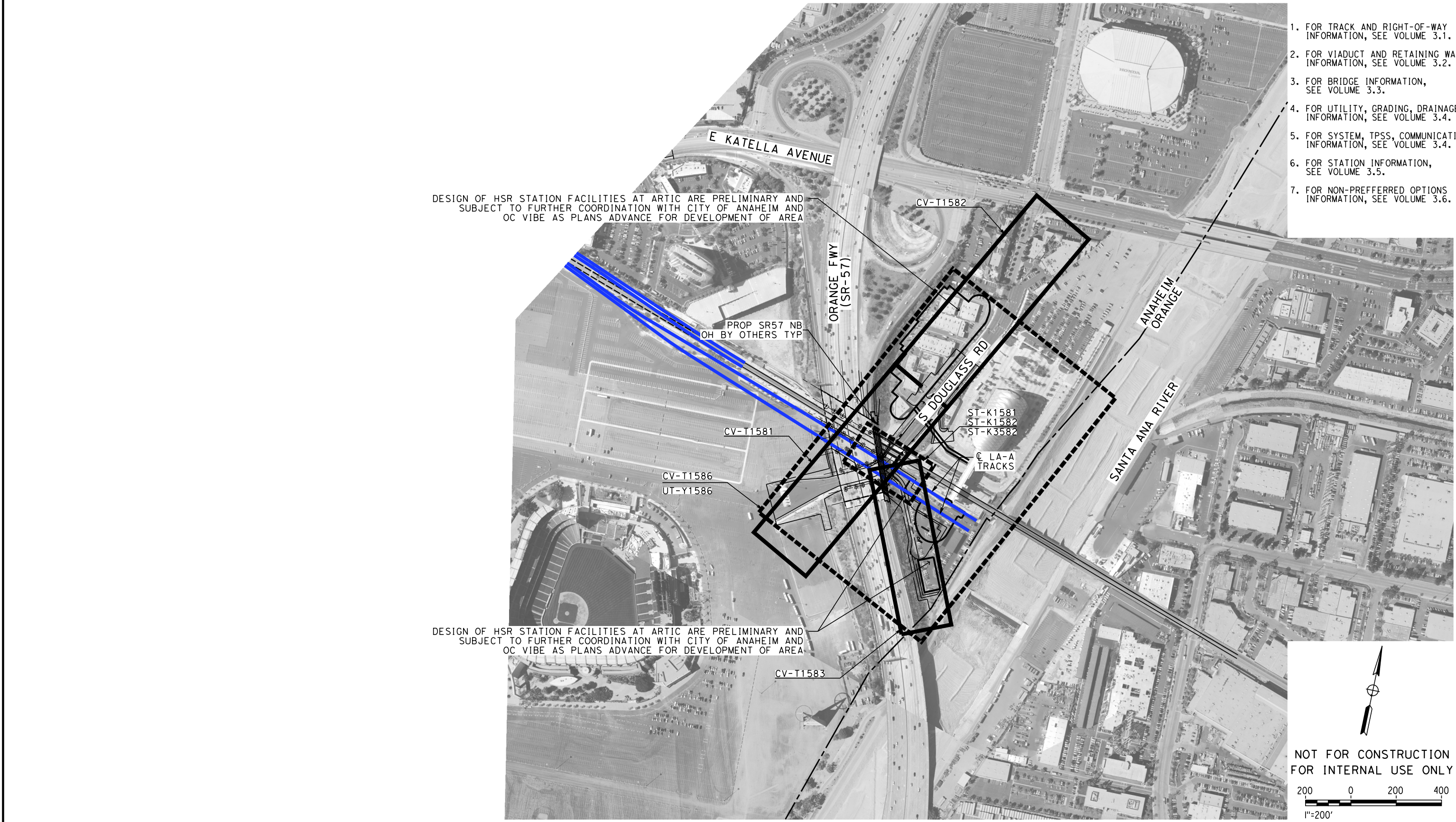
PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

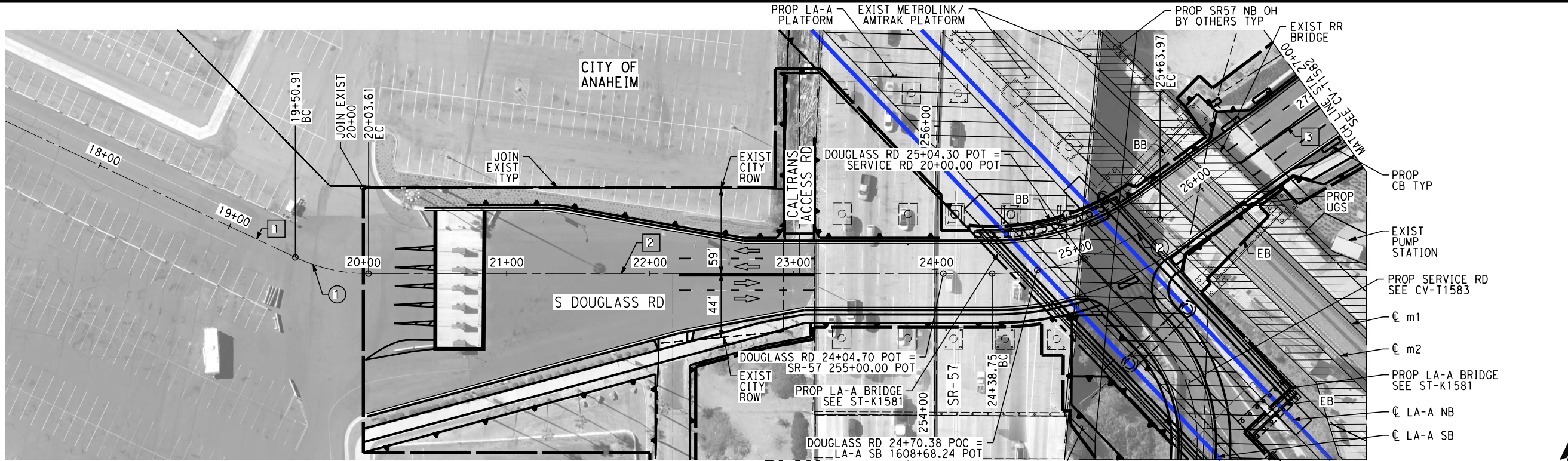


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S DOUGLASS RD
ORIENTATION MAP

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

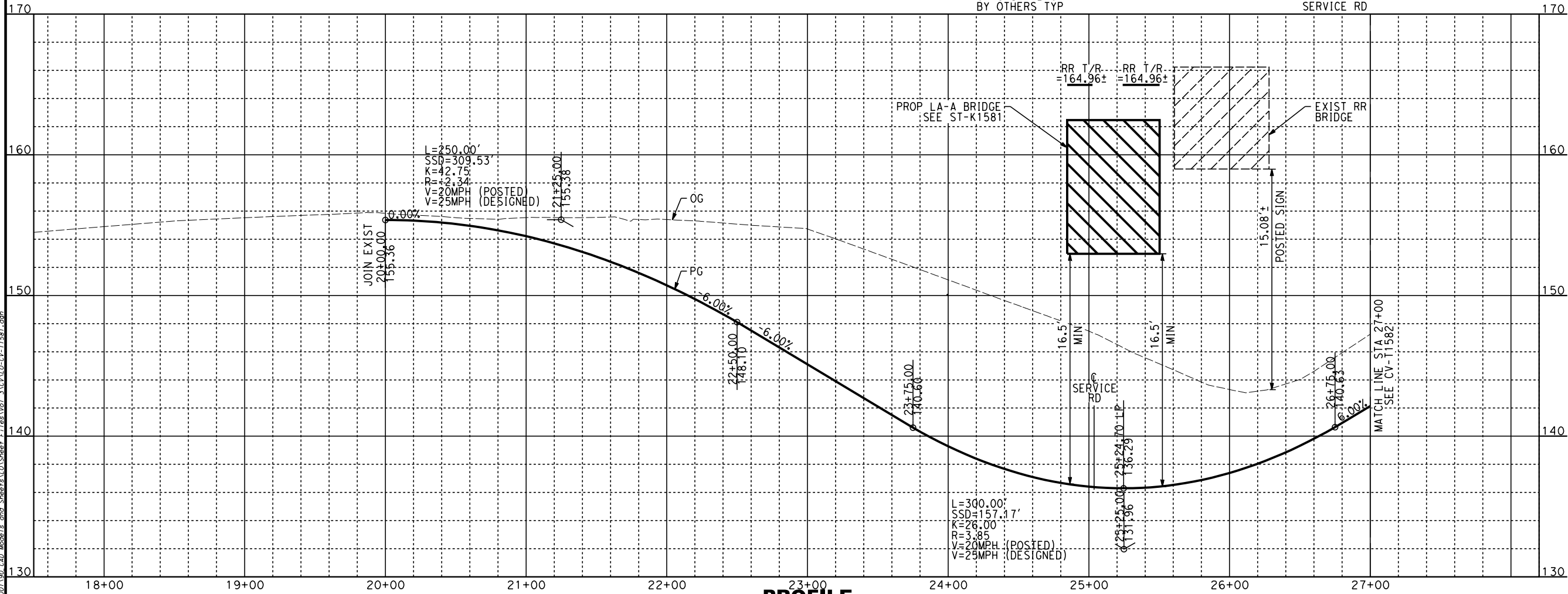
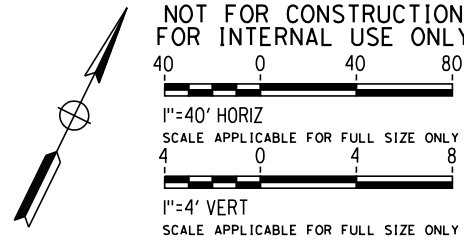


1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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



PLAN

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



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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 - S DOUGLASS RD
PLAN AND PROFILE - SHEET 1 OF 2

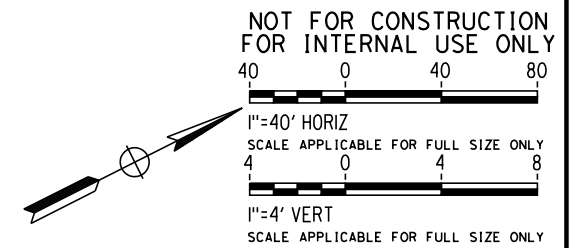
CONTRACT NO.
HSR06-0005

DRAWING NO.
CV-T1581

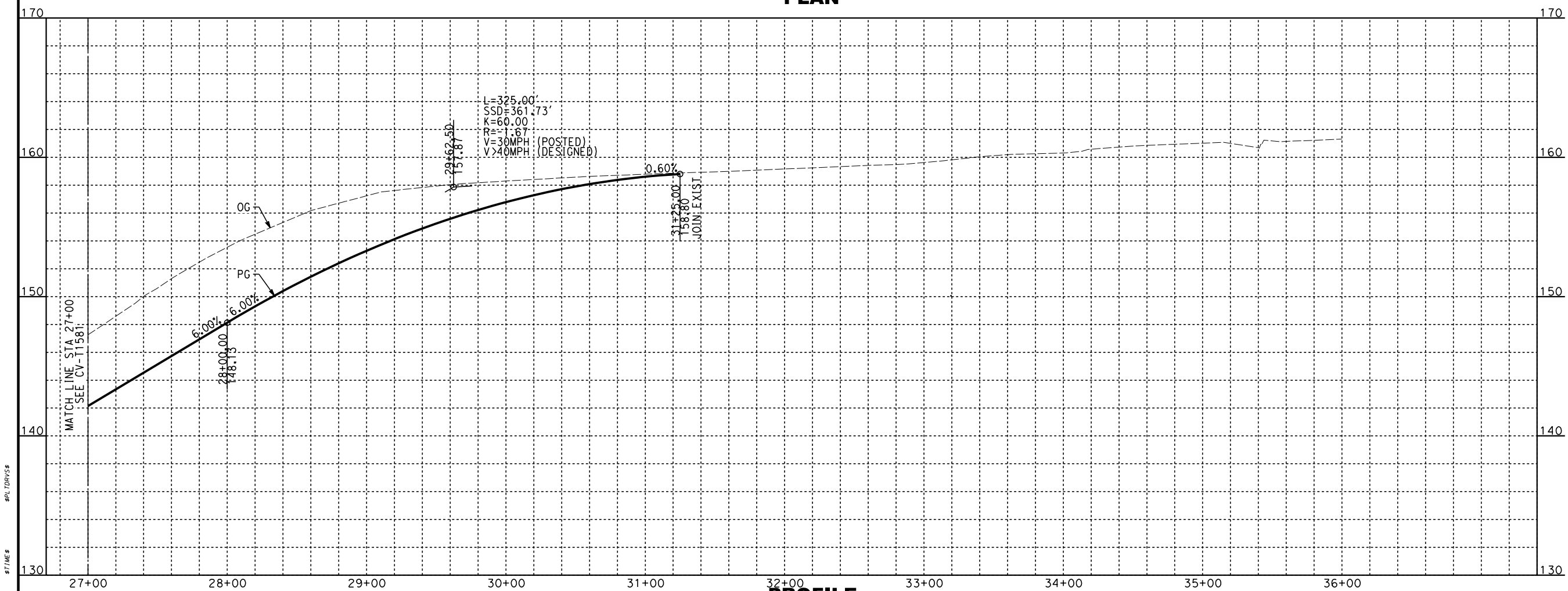
SCALE
AS SHOWN

SHEET NO.

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



PLAN



32+00 PROFILE

NO	BEARING	DISTANCE
3	N28°05'08"E	330.57'
4	N26°44'41"E	416.37'

[illegible]

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

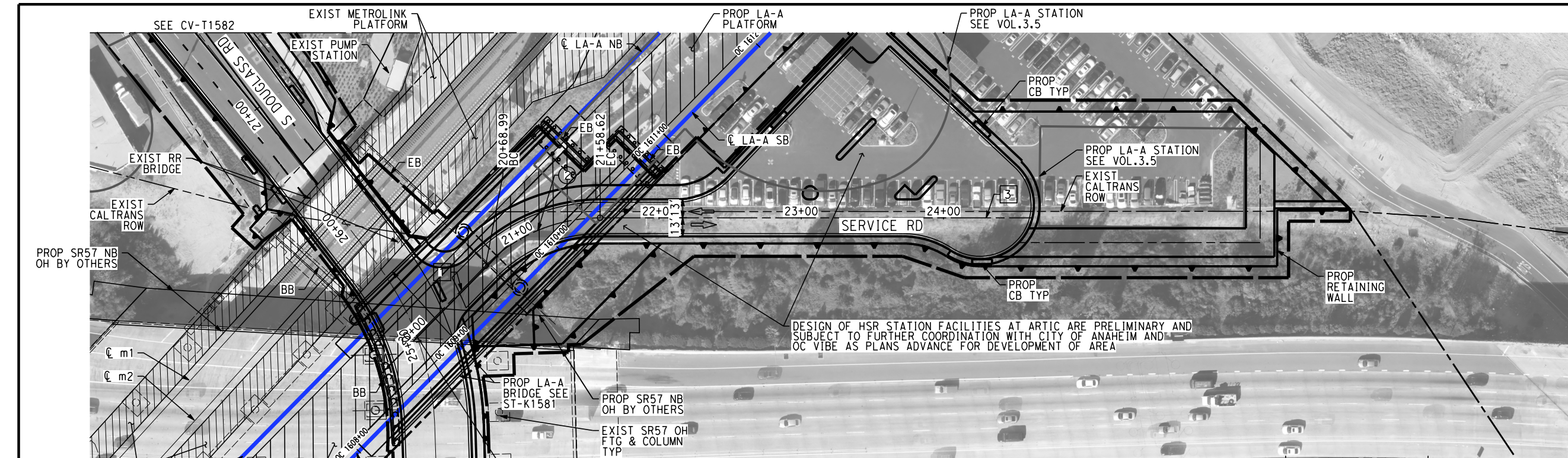
**NOT FOR
CONSTRUCTION**



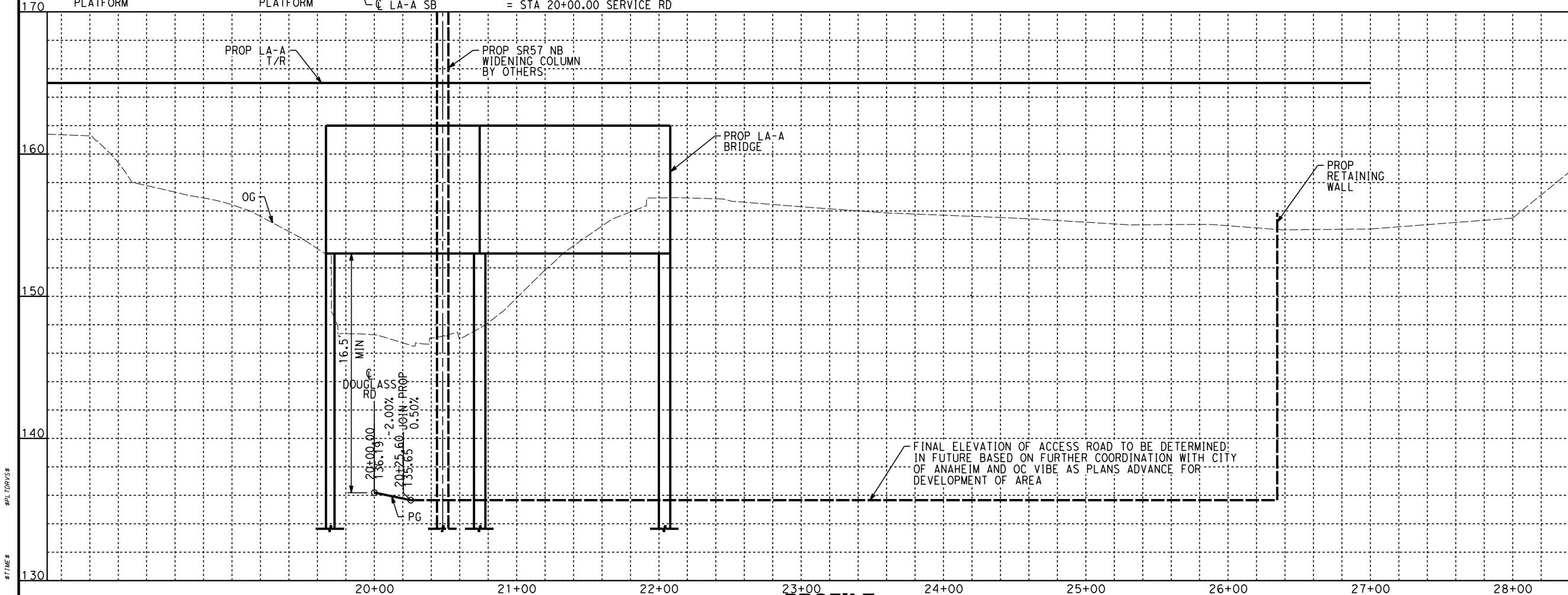
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S DOUGLASS RD
PLAN AND PROFILE - SHEET 2 OF 2

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

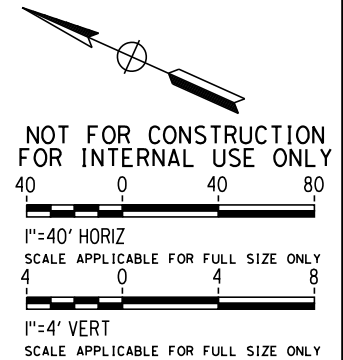


PLAN



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-PREFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



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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CONSTRUCTION



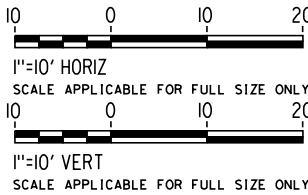
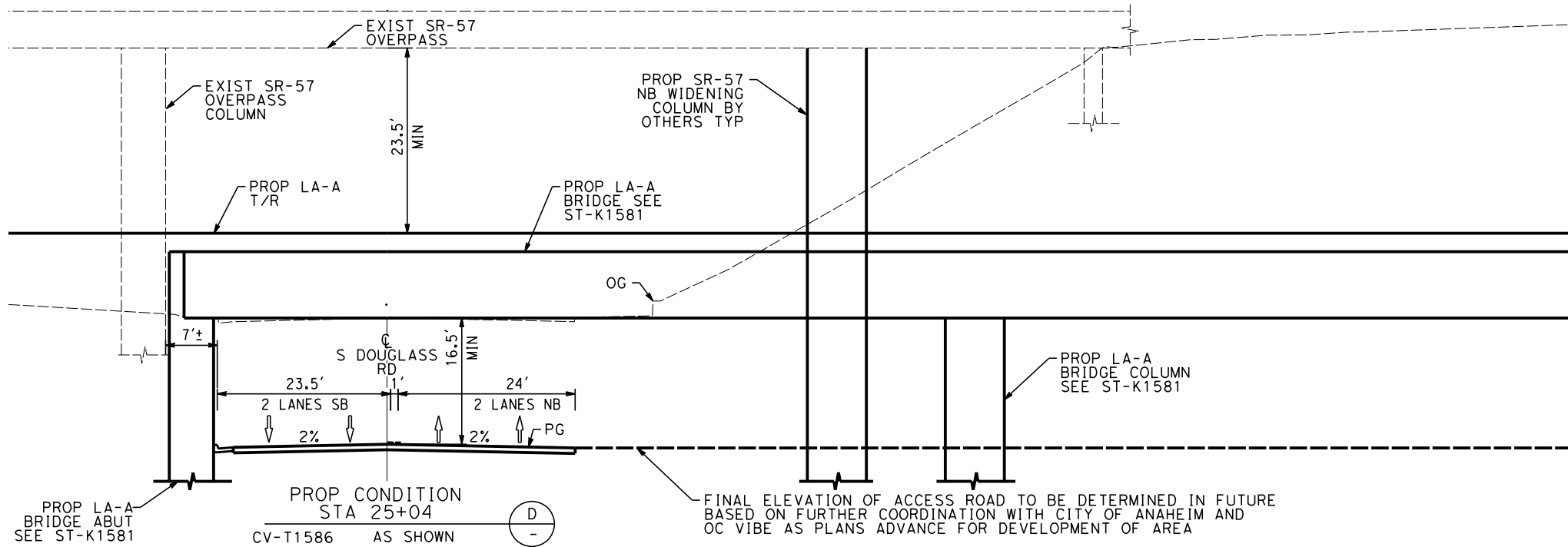
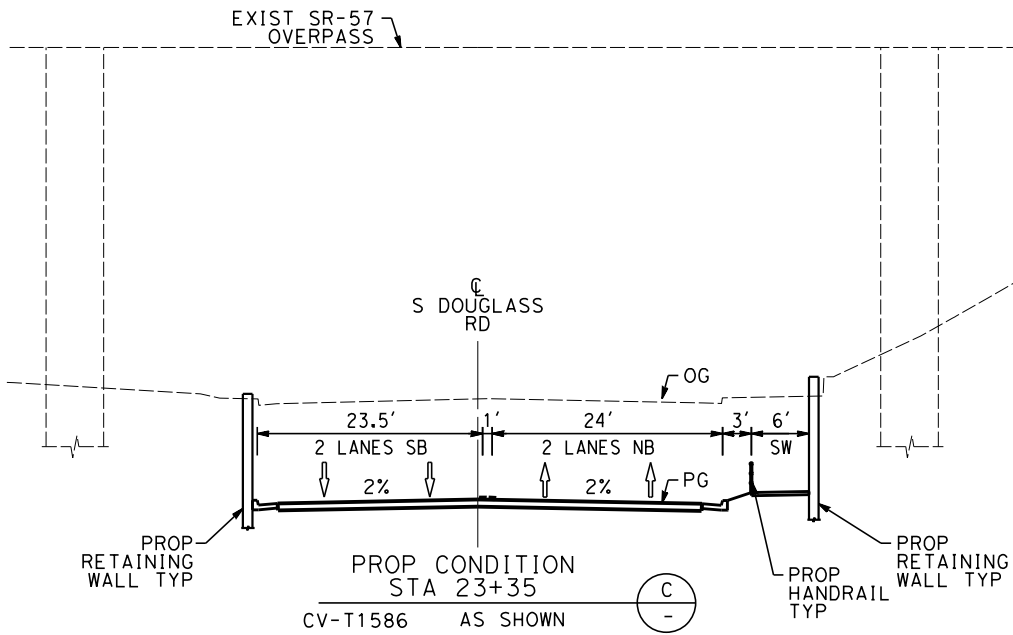
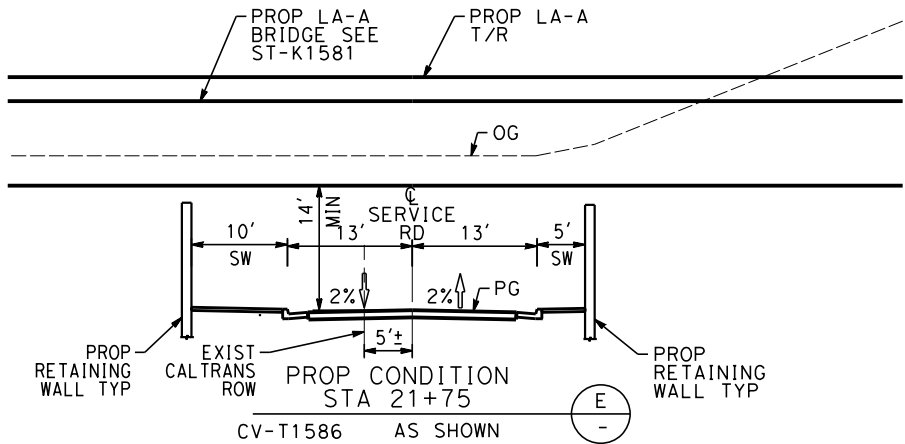
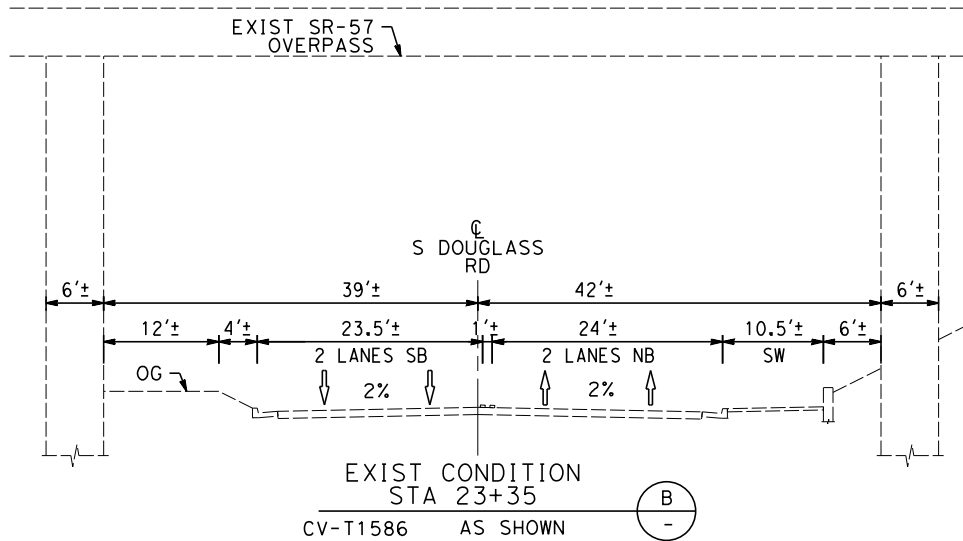
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**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.

NOTES:

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



#PLTDRVS\$
\$TIME\$
\$DATE\$
\$USER\$
\$FILE\$

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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SUBMITTAL
FOR INTERNAL
USE ONLY

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CONSTRUCTION

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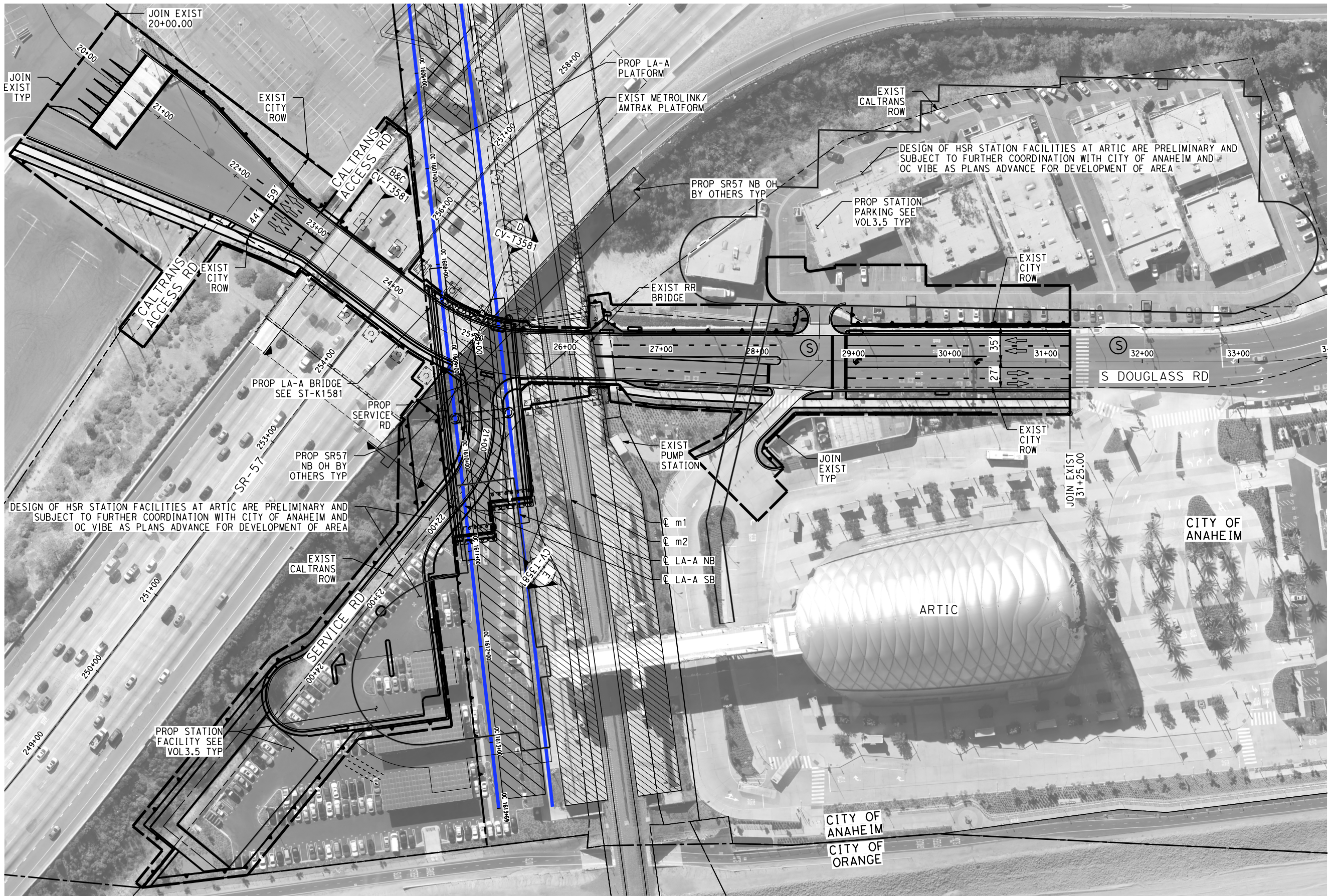


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

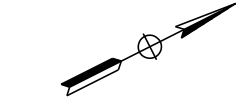
RECORD SET

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.



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



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

#PLTDRVS\$
#TIME\$
#DATE\$
#USER\$
#FILE\$

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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USE ONLY

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

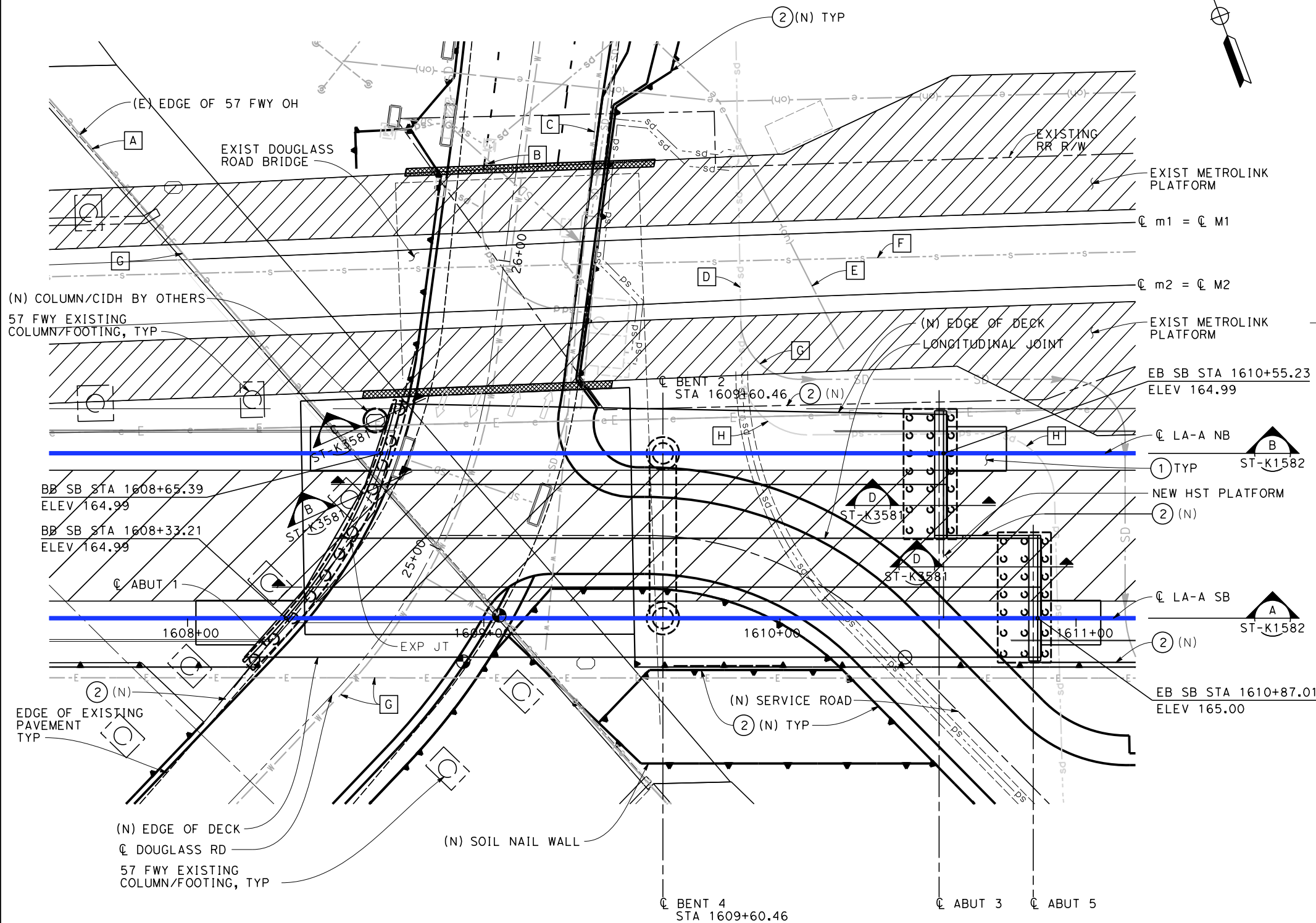
RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - S DOUGLASS RD
IMPACT PLAN - SHEET 1 OF 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1586
SCALE
AS SHOWN
SHEET NO.

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ChiangM



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):

- ADT₂₀₀₈: 6,700
ADT₂₀₃₅: N/A
TRAIN VOLUME₂₀₃₅: 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')

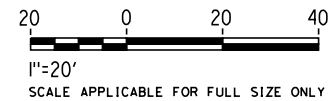
EXISTING UTILITIES:

- [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



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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FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**



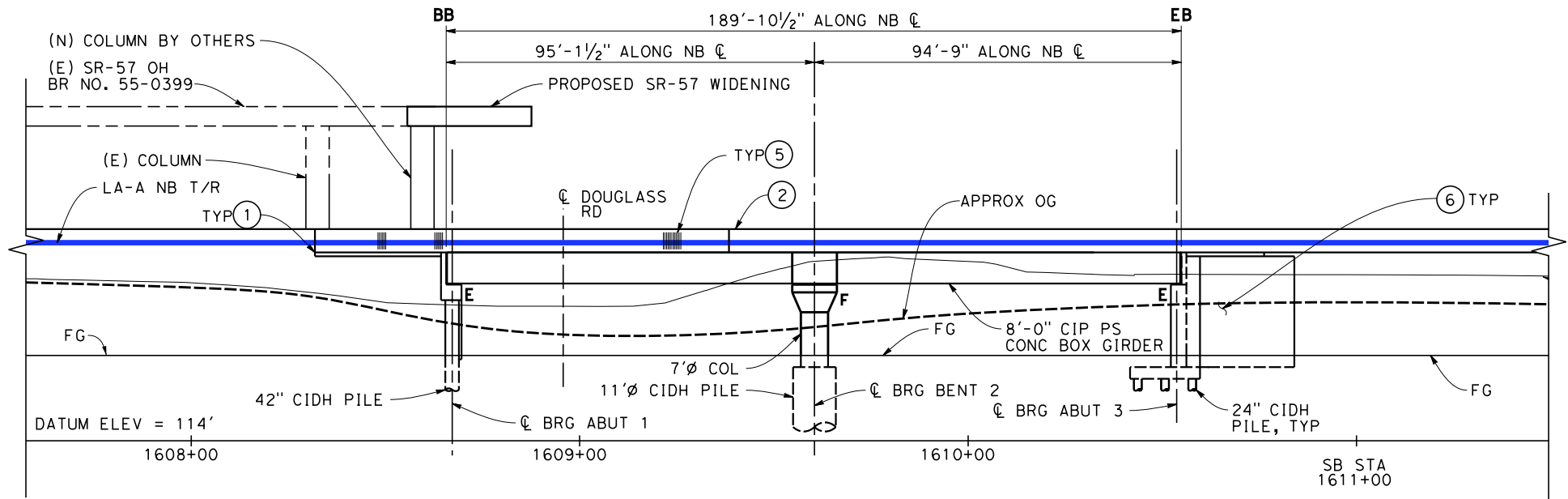
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

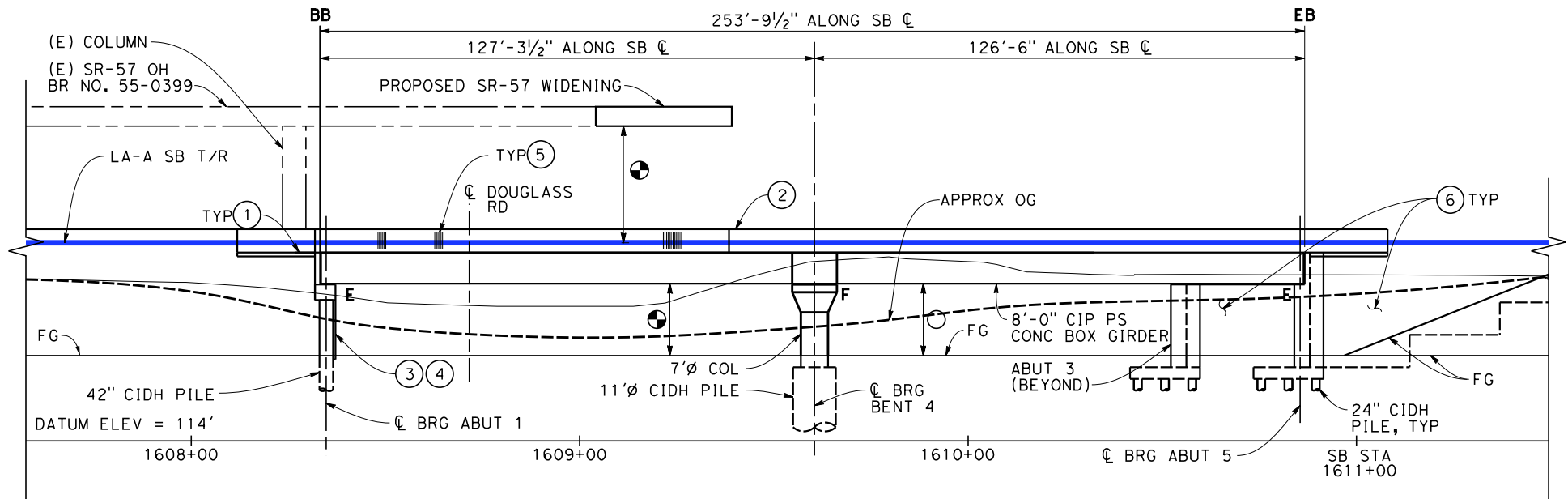
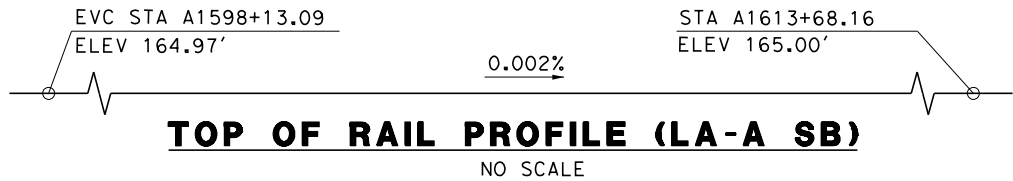
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - SOUTH DOUGLASS ROAD
GENERAL PLAN

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

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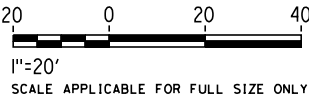
ELEVATION - HST BRIDGE - NB (B)
(VIEW LOOKING NORTH)
SCALE: 1"=20'-0"
ST-K1581



ELEVATION - HST BRIDGE - SB (A)
(VIEW LOOKING NORTH)
SCALE: 1"=20'-0"
ST-K1581

- 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')



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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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CONSTRUCTION



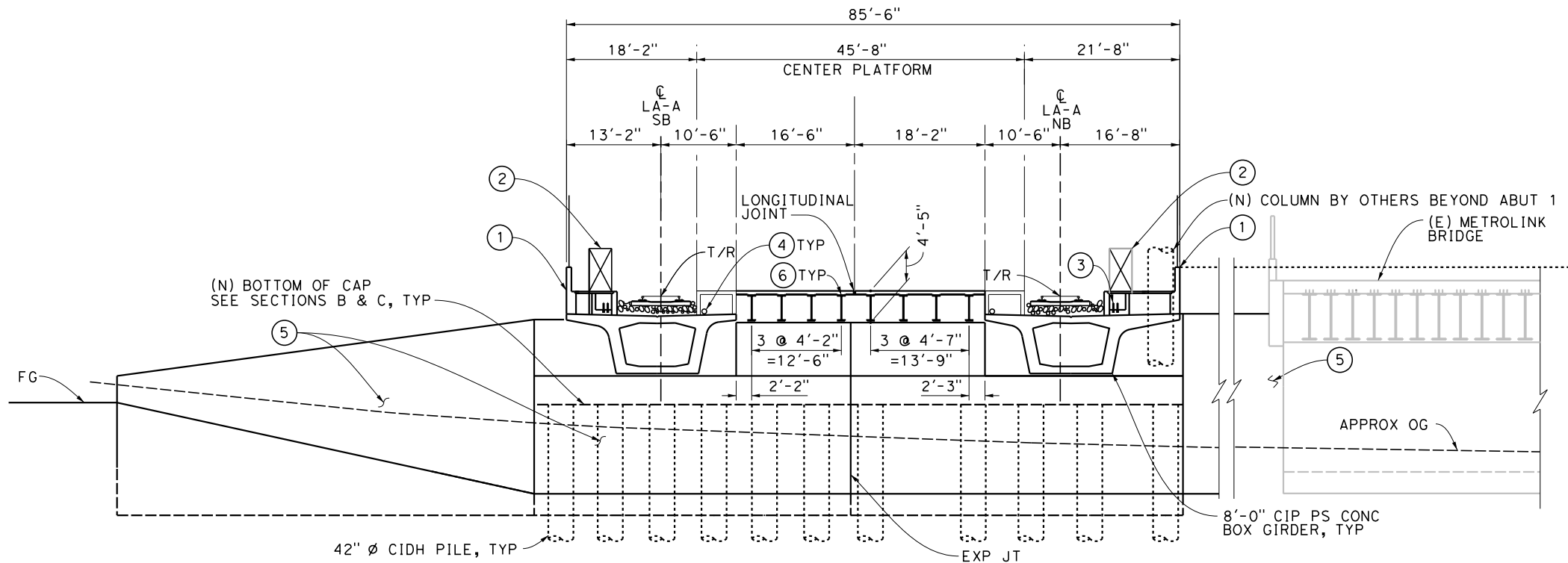
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**

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.

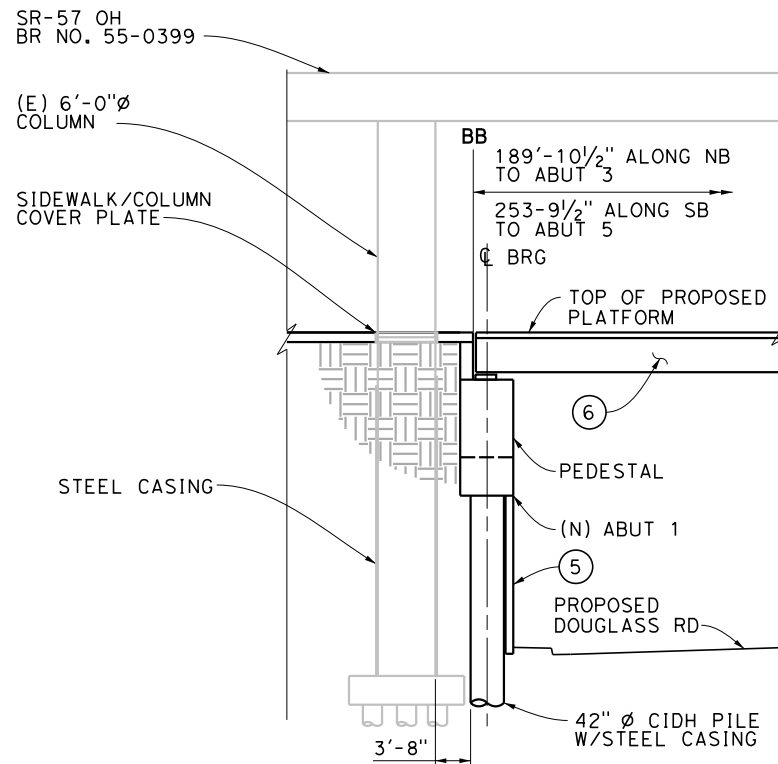
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ABUTMENT 1 SECTION

1"=10'-0"

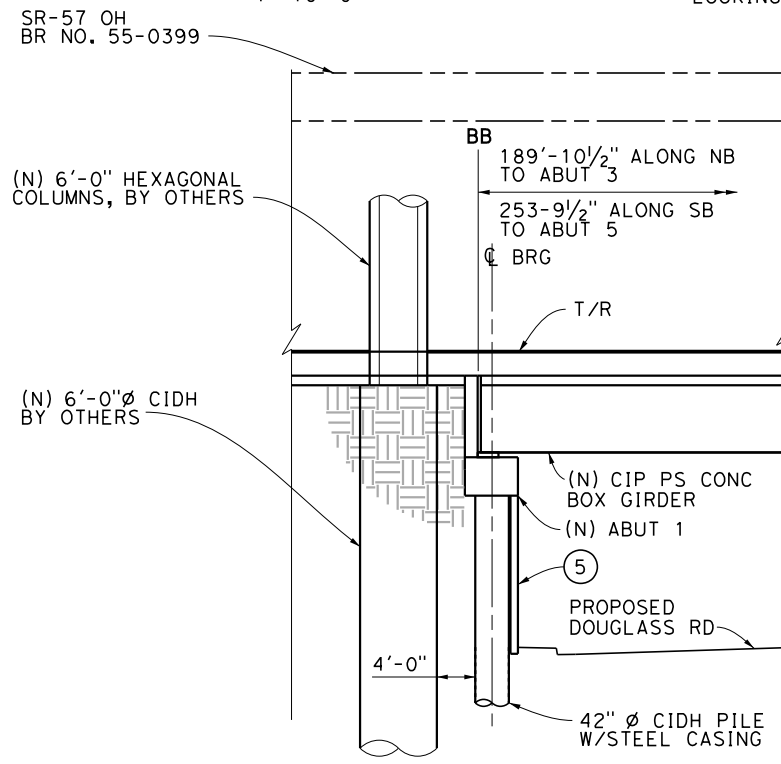
NOTE:
LOOKING BACK STATION



SECTION B

1"=10'-0"

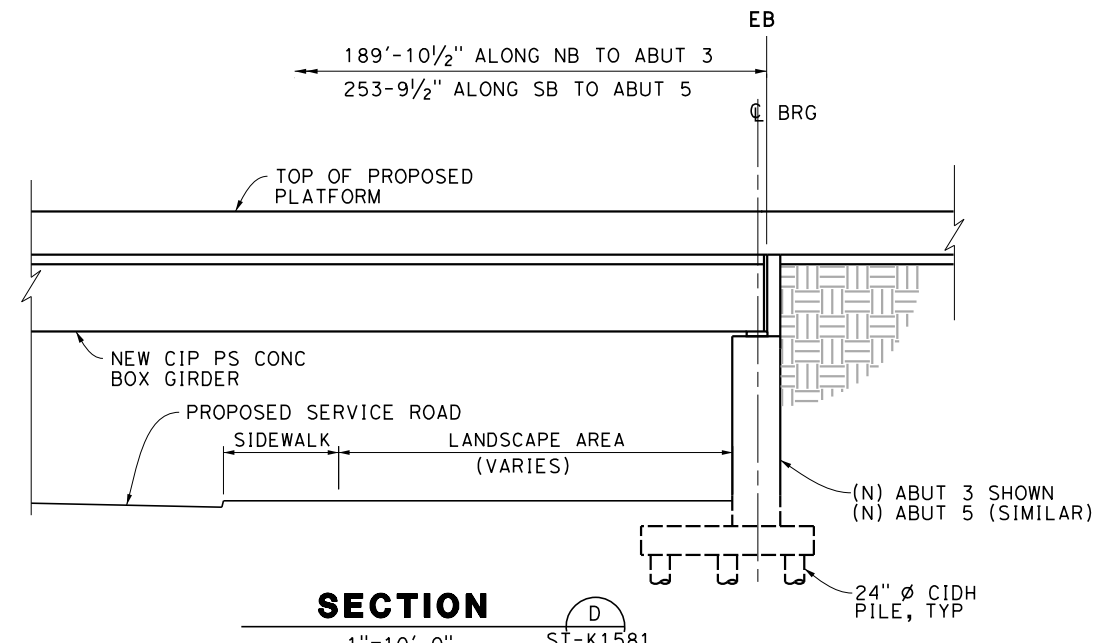
ST-K1581



SECTION C

1"=10'-0"

ST-K1581

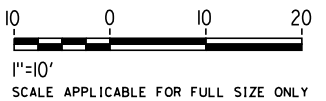


SECTION D

1"=10'-0"

ST-K1581

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY



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 C OF BRIDGE.
4. THE DIMENSIONS SHOWN IN "ABUTMENT 1 SECTION" ARE MEASURED PERPENDICULAR TO C 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

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

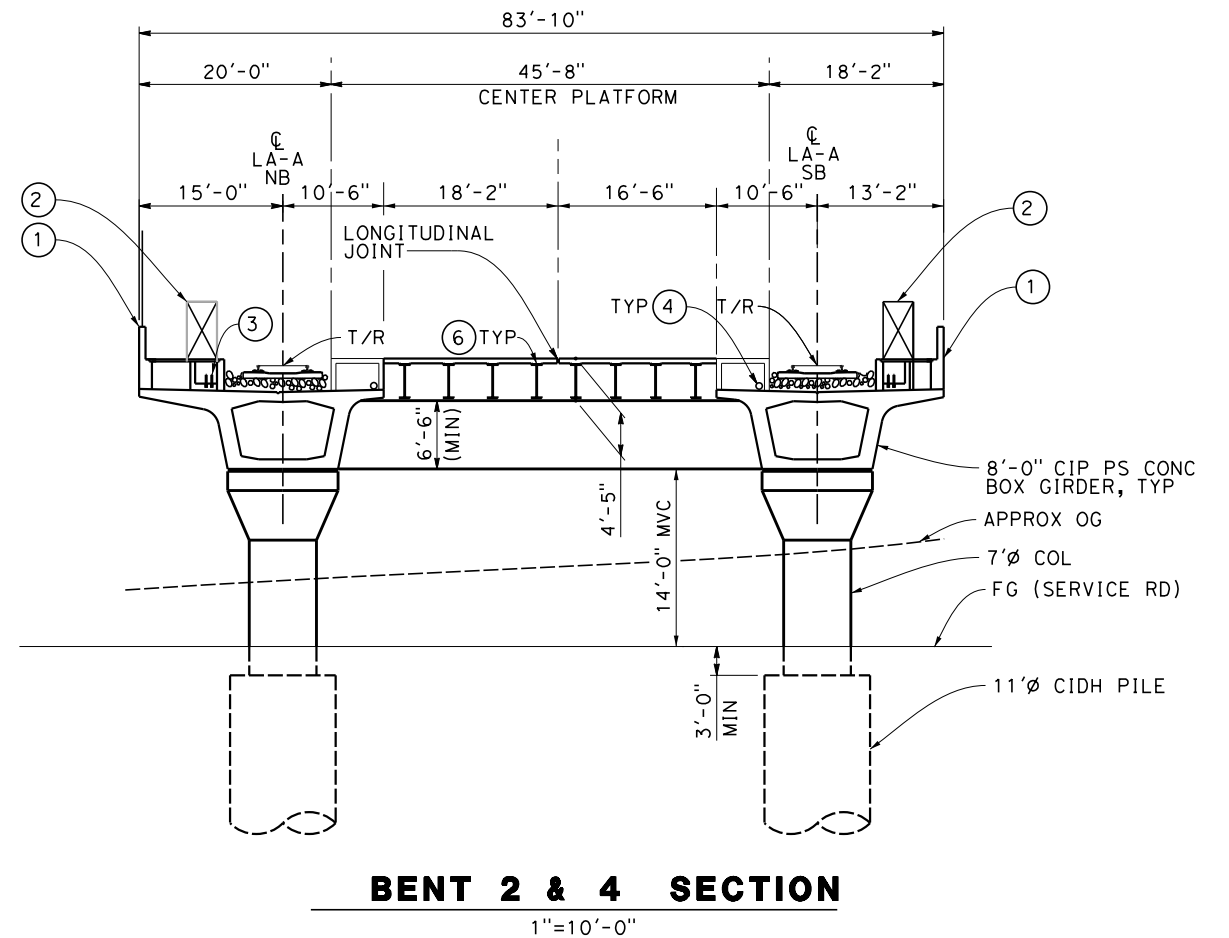
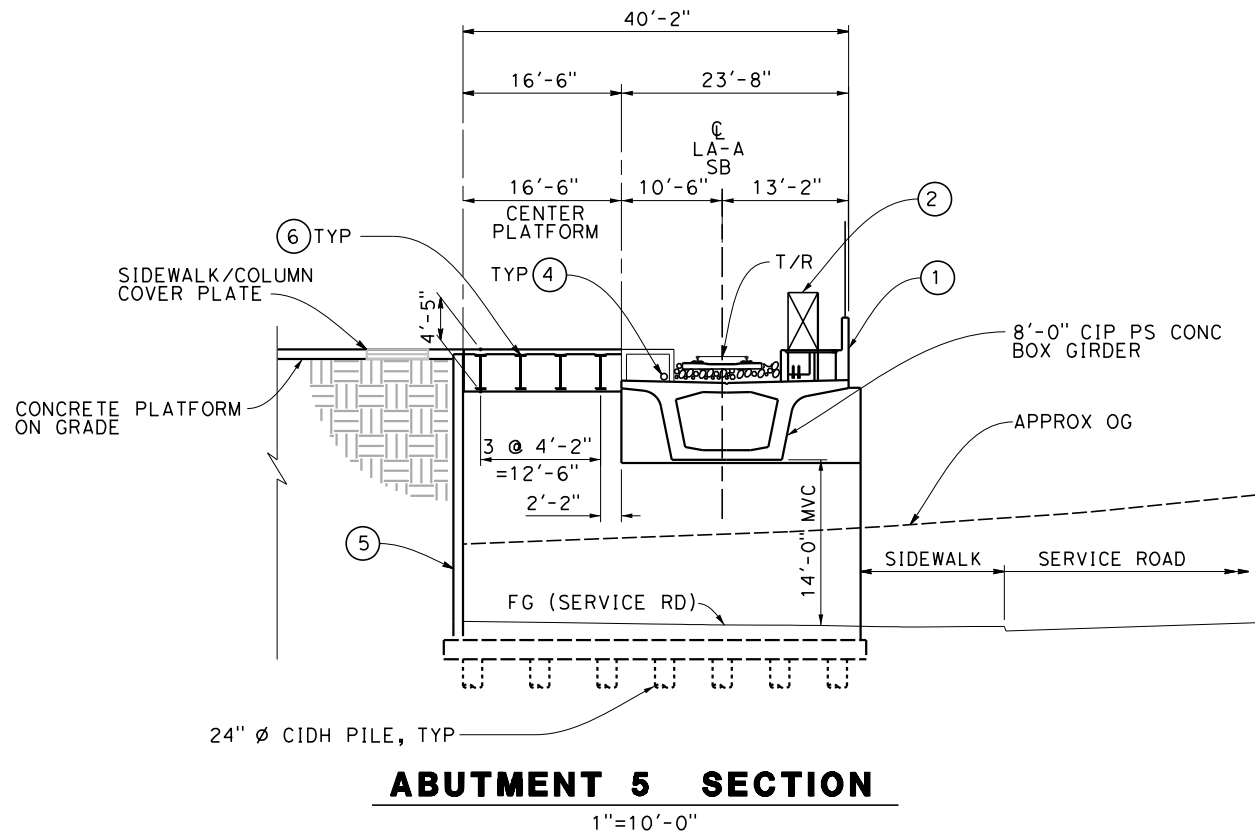
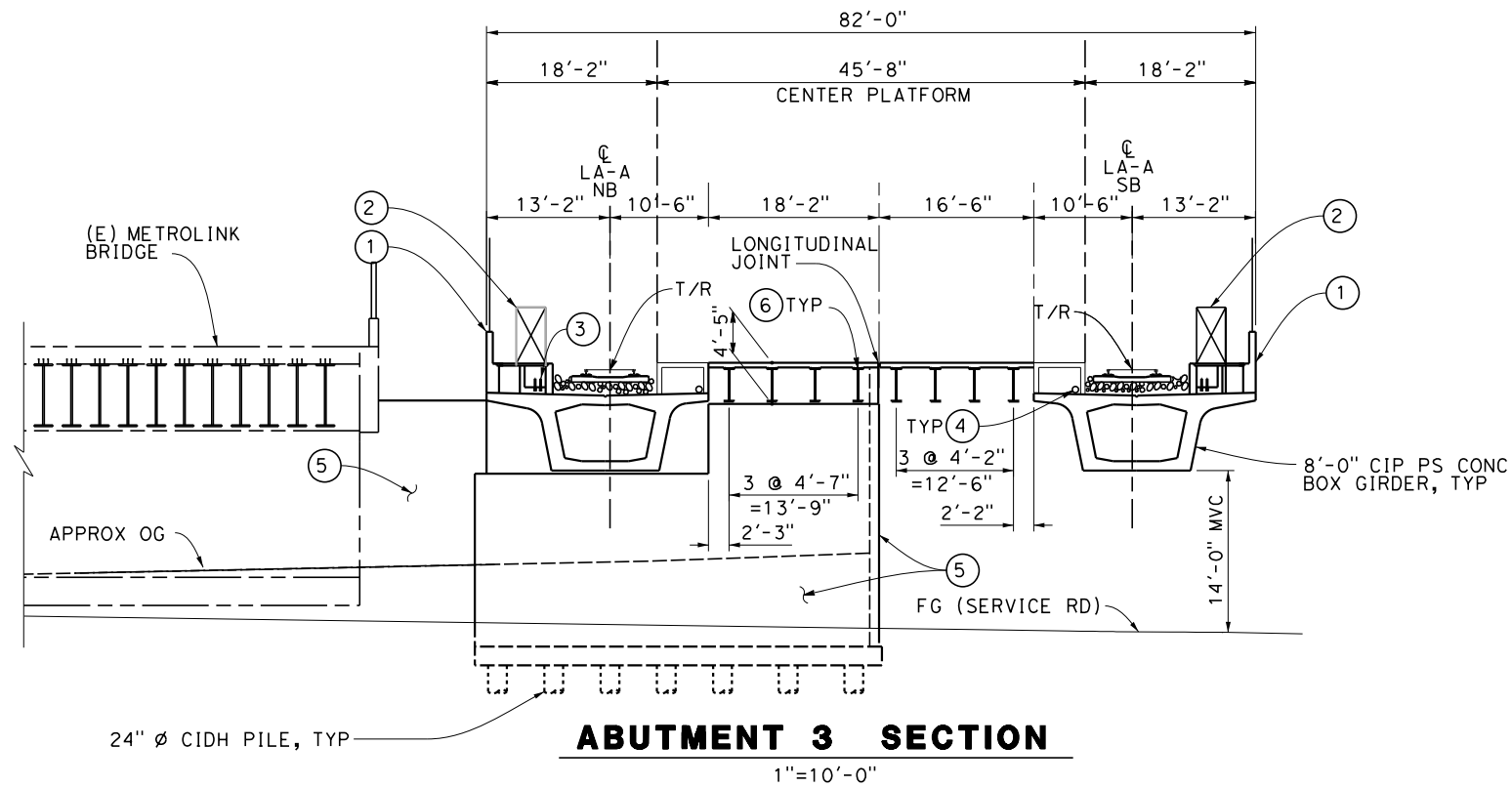


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - SOUTH DOUGLASS ROAD
TYPICAL SECTION (SHEET 1 OF 2)

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

2/18/2025 5:47:25 PM I:\Projects\4017456\4017456_0001\90_CAD Models and Sheets\LO\Sheet Files\Vol 3\ST\LO-ST-K3582.dgn



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 $\mathcal{C}$ OF BRIDGE.
4. THE DIMENSIONS SHOWN IN "ABUTMENT 1 SECTION" ARE MEASURED PERPENDICULAR TO $\mathcal{C}$ LA-A NB/SB LINES.

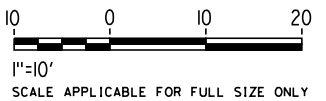
NOTES:

- 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



REV	DATE	BY	SUB	APP	DESCRIPTION

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

RECORD SET

PRELIMINARY ENGINEERING PROJECT DOCUMENT
GRADE SEPARATION - SOUTH DOUGLASS ROAD
TYPICAL SECTION (SHEET 2 OF 2)

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