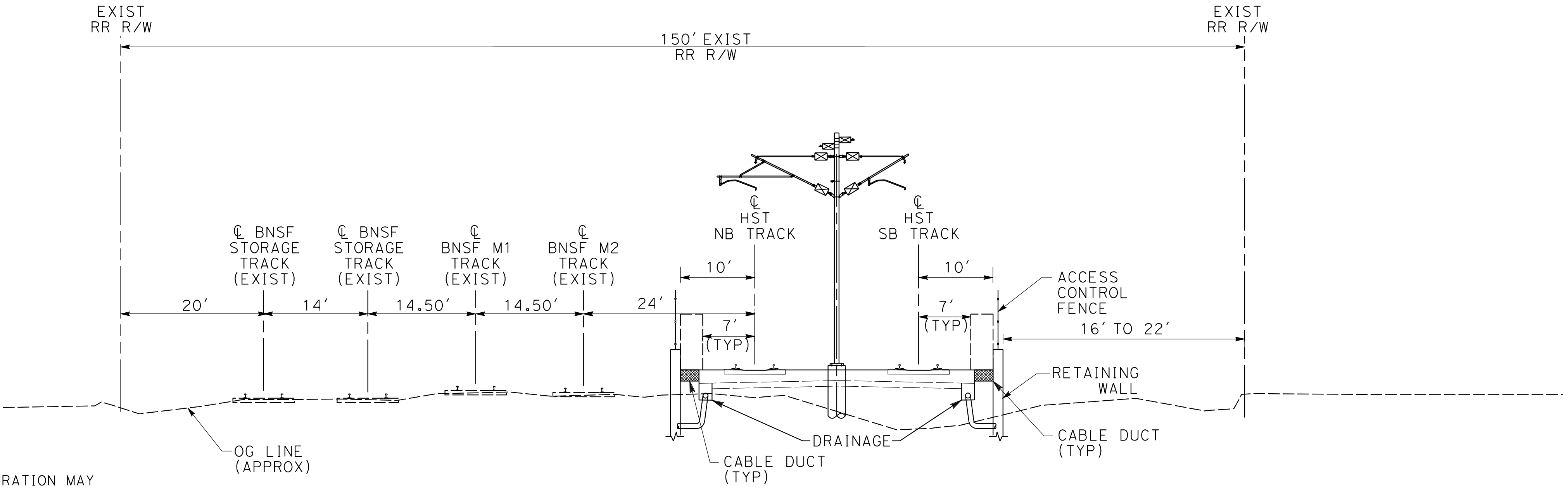
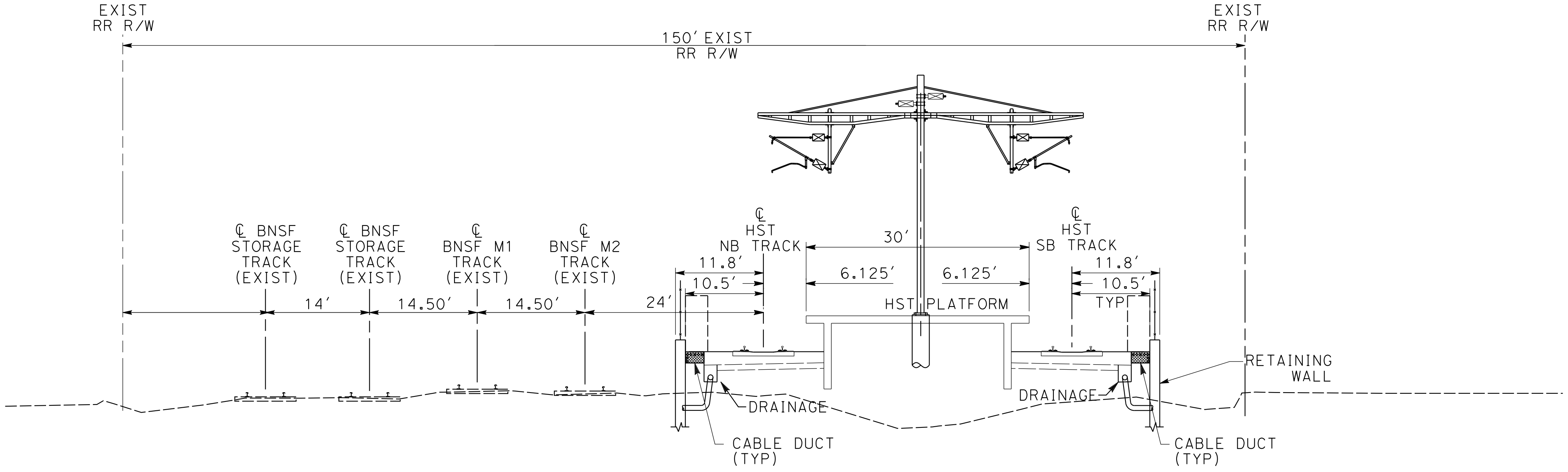


NOTE:
1. STATION CONFIGURATION MAY CHANGE BASED ON DIRECTION FROM AUTHORITY

SECTION JJ-JJ

HSR STATION APPROACH IN FULLERTON

STA SBN 1270+00 TO STA SBN 1292+80



SECTION LL-LL

AT GRADE HSR FULLERTON STATION-SIDE PLATFORM CONFIGURATION

STA SBN 1292+80 TO STA SBN 1300+75

10 0 10 20

1"=10' HOR

SCALE APPLICABLE FOR FULL SIZE ONLY

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FOR INTERNAL USE ONLY

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boschal

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

**PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY**

**NOT FOR
CONSTRUCTION**

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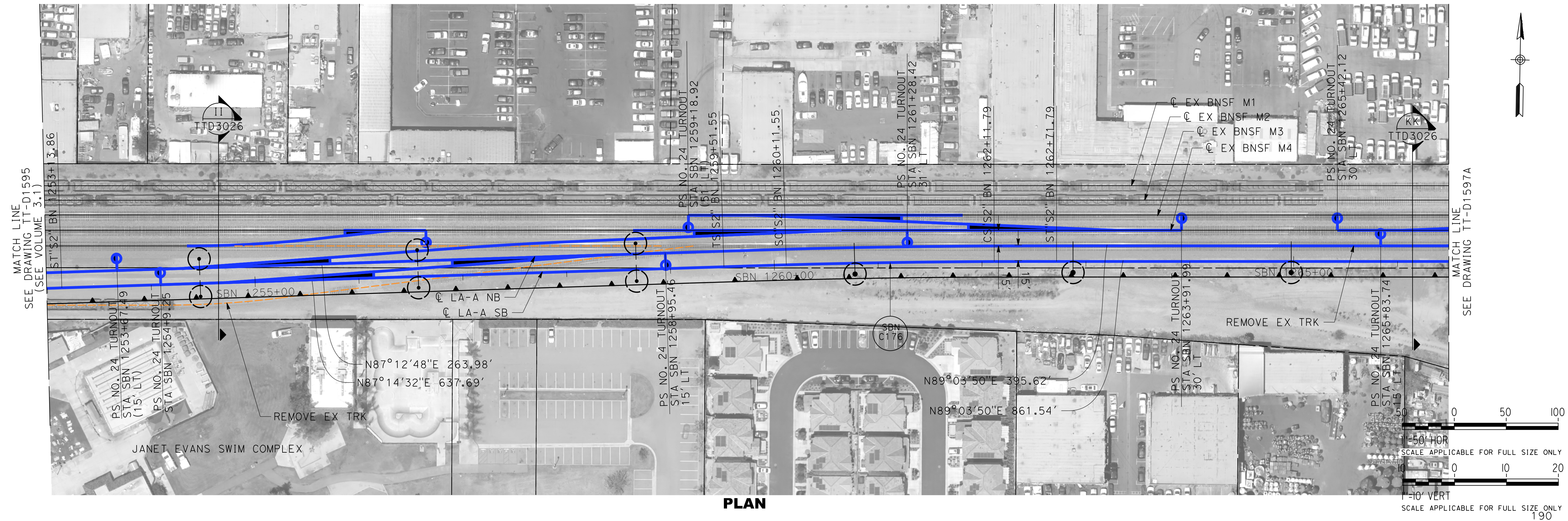
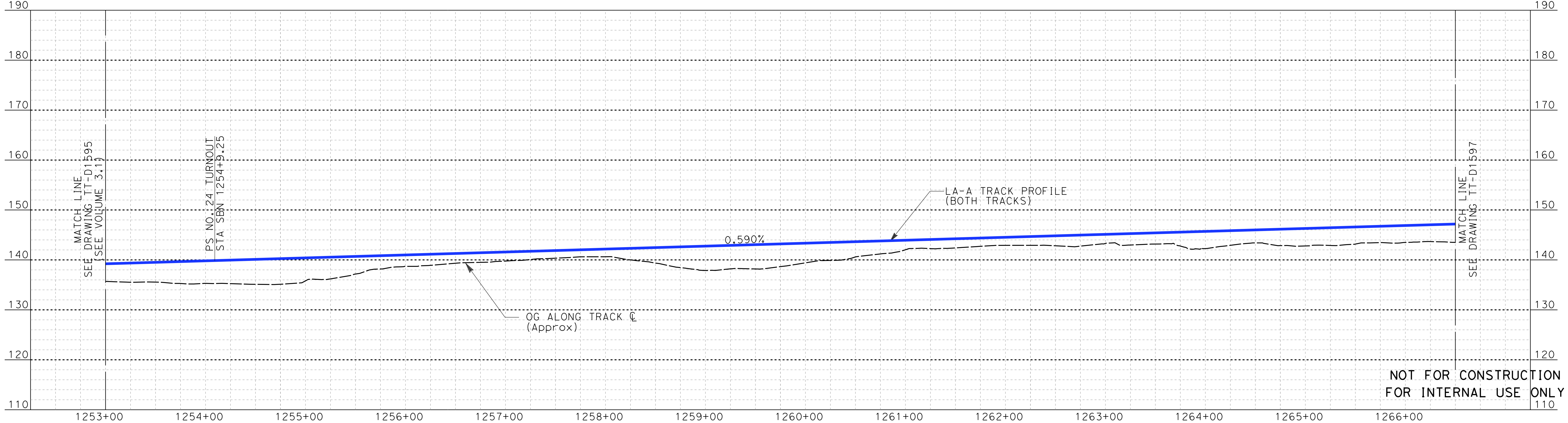
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
CROSS SECTIONS
HSR FULLERTON STATION OPTION

CONTRACT NO.
HSR06-0005
DRAWING NO.
TT-D3027A
SCALE
SHEET NO.



**PLAN**



**PROFILE**

| REV | DATE | BY | SUB | APP | DESCRIPTION |
|---|---|---|---|---|---|

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

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**NOT FOR CONSTRUCTION**

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
PLAN AND PROFILE
HSR FULLERTON STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. TT-D1596A
SCALE AS SHOWN
SHEET NO.

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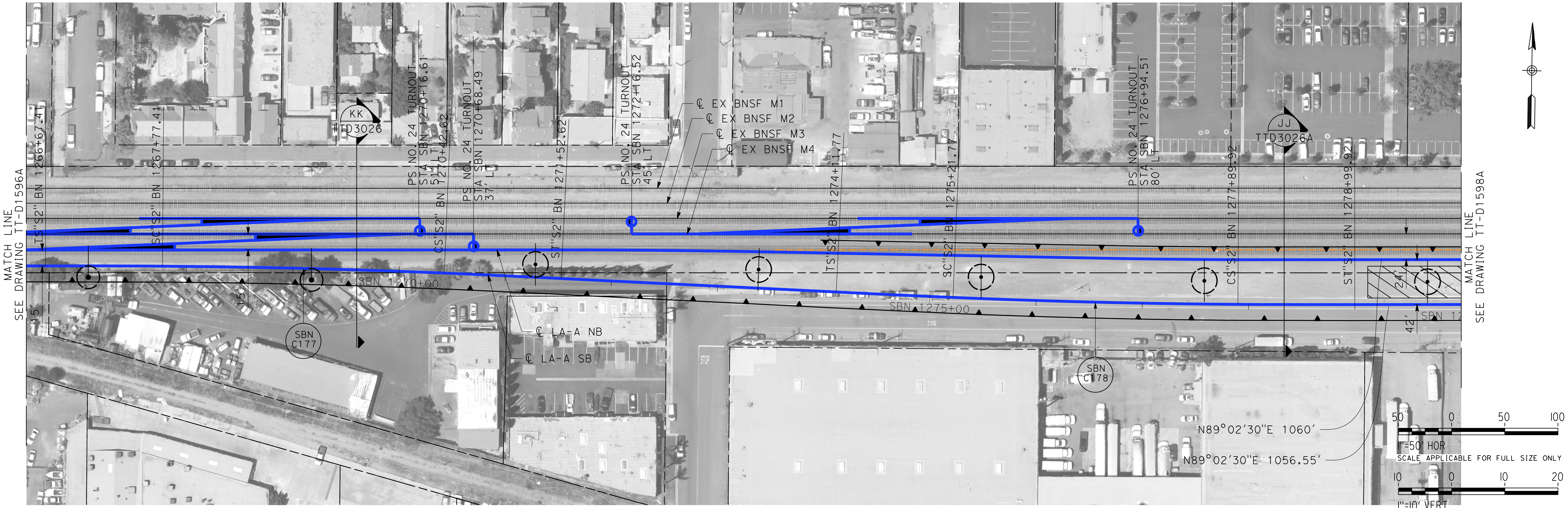
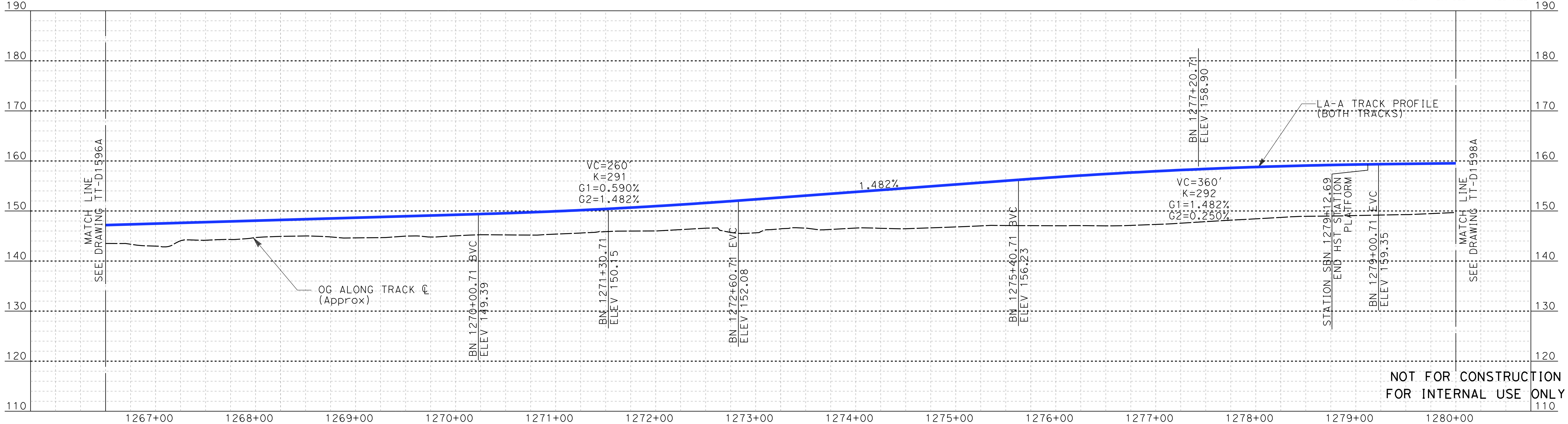


## PLAN



## PROFILE

| REV | DATE | BY | SUB | APP | DESCRIPTION |
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DESIGNED BY A. LEWISZ
DRAWN BY S. ALKHOURI
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
PLAN AND PROFILE
HSR FULLERTON STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. TT-D1597A
SCALE AS SHOWN
SHEET NO.

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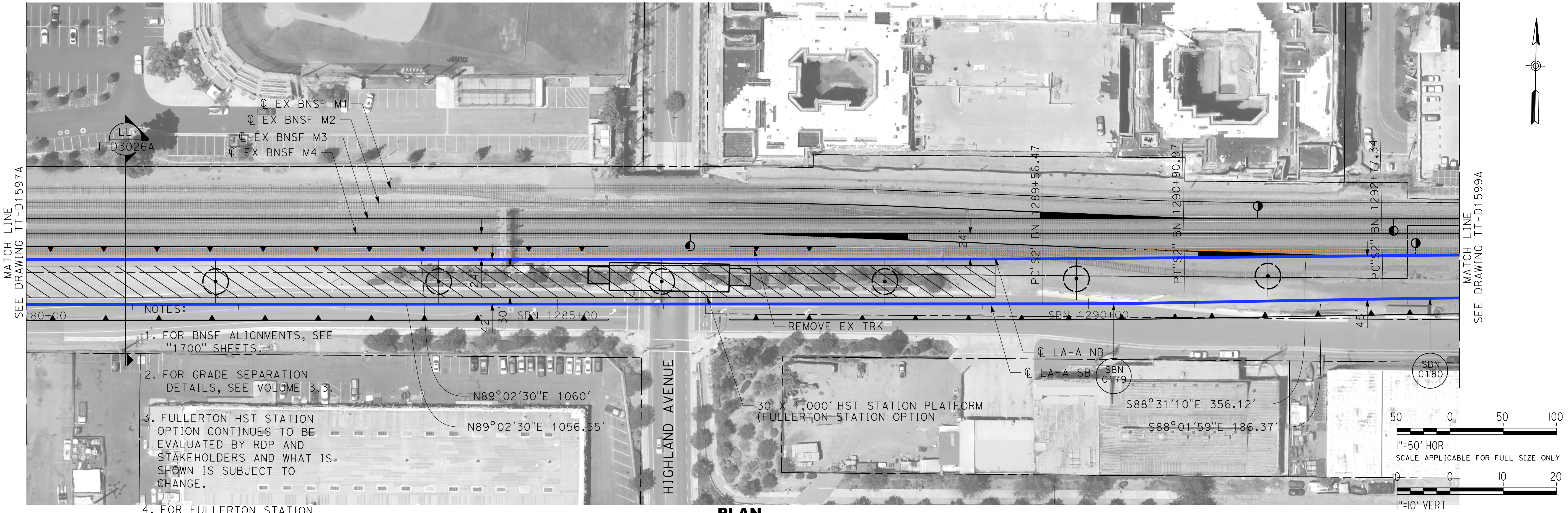
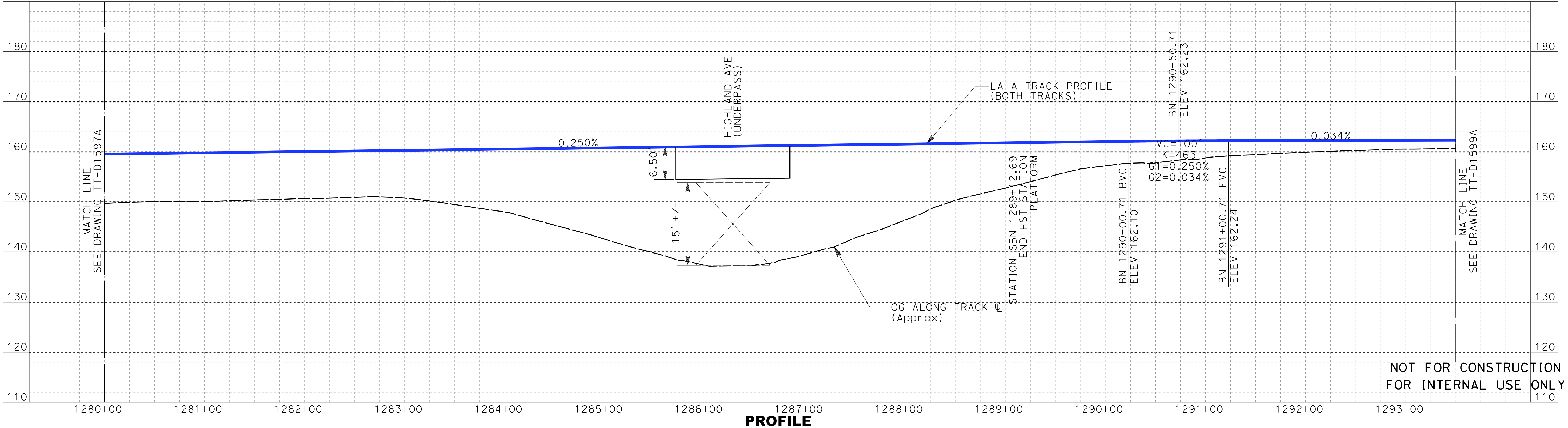


NOTES:

1. FOR BNSF ALIGNMENTS, SEE "1700" SHEETS.
2. FOR GRADE SEPARATION DETAILS, SEE VOLUME 3.3.
3. FULLERTON HST STATION OPTION CONTINUES TO BE EVALUATED BY RDP AND STAKEHOLDERS AND WHAT IS SHOWN IS SUBJECT TO CHANGE.
4. FOR FULLERTON STATION PLANS, SEE VOLUME 3.5.

**PLAN**



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

**PROFILE**

| REV | DATE | BY | SUB | APP | DESCRIPTION |
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| | | | | | |

DESIGNED BY A. LEWIS:Z
DRAWN BY S. ALKHOURI
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 08/29/25

**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
PLAN AND PROFILE
HSR FULLERTON STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. TT-D1598A
SCALE AS SHOWN
SHEET NO.

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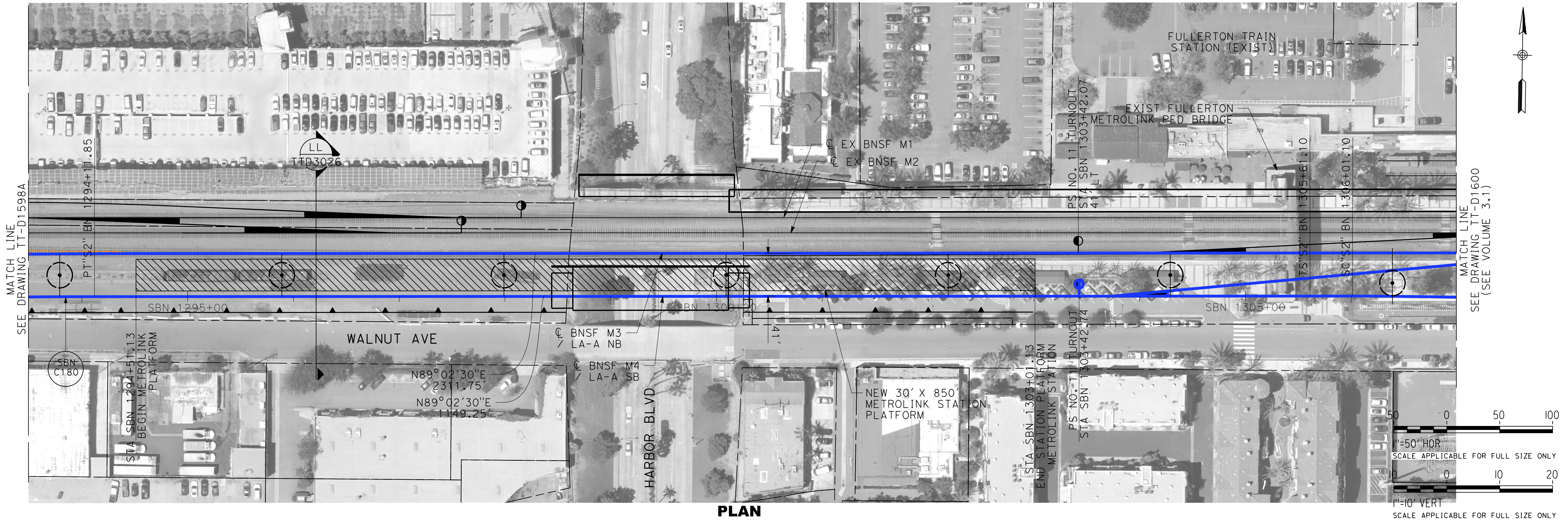
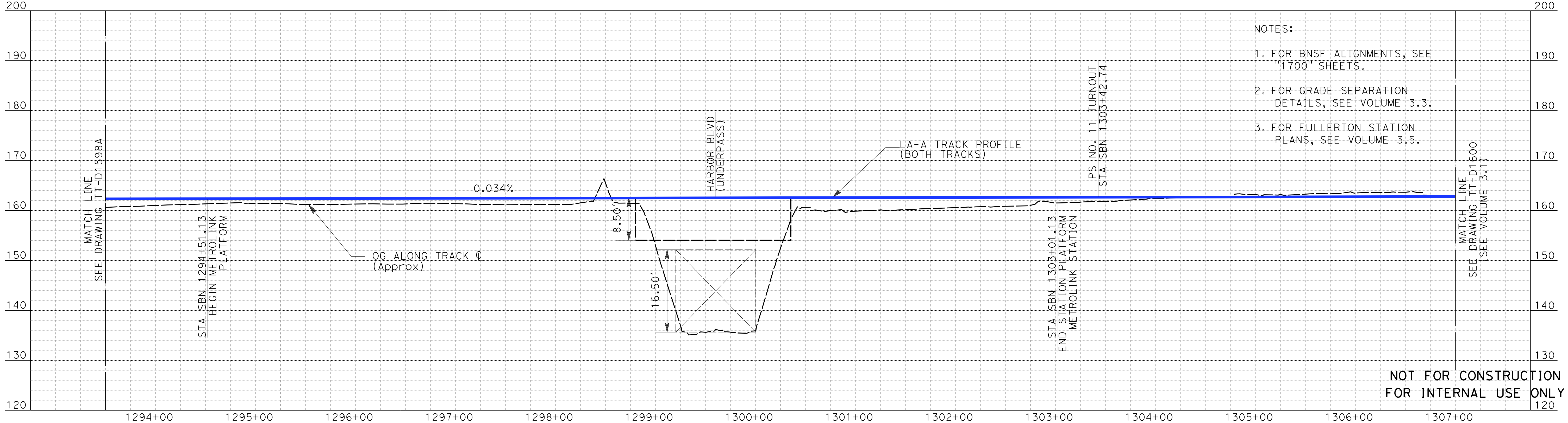

MATCH LINE SEE DRAWING TT-D1598A
PT "S2" BN 1294+11.85
LL TTD3026
SBN C180
STA SBN 1294+51.13 BEGIN METROLINK PLATFORM
SBN 1295+00
WALNUT AVE
N89°02'30"E 2311.75'
N89°02'30"E 1149.25'
℄ BNSF M3 / LA-A NB
℄ BNSF M4 / LA-A SB
HARBOR BLVD
SBN 1300+00
41'
℄ EX BNSF M1
℄ EX BNSF M2
NEW 30' X 850' METROLINK STATION PLATFORM
STA SBN 1303+01.13 END STATION PLATFORM METROLINK STATION
PS NO. 11 TURNOUT STA SBN 1303+42.07 41' LT
PS NO. 11 TURNOUT STA SBN 1303+42.74
FULLERTON TRAIN STATION (EXIST)
EXIST FULLERTON METROLINK PED BRIDGE
SBN 1305+00
TS "S2" BN 1305+61.10
SC "S2" BN 1306+01.10
MATCH LINE SEE DRAWING TT-D1600 (SEE VOLUME 3.1)
50 0 50 100
1"=50' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY
10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

**PLAN**



NOTES:

1. FOR BNSF ALIGNMENTS, SEE "1700" SHEETS.
2. FOR GRADE SEPARATION DETAILS, SEE VOLUME 3.3.
3. FOR FULLERTON STATION PLANS, SEE VOLUME 3.5.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

**PROFILE**

| REV | DATE | BY | SUB | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY A. LEWISZ
DRAWN BY S. ALKHOURI
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
PLAN AND PROFILE
HSR FULLERTON STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. TT-D1599A
SCALE AS SHOWN
SHEET NO.

# TRACK GEOMETRY DATA

| CURVE NO. | DESC | BEARING | DISTANCE | STATION | NORTHING | EASTING | RADIUS feet | RADIUS Degrees | L feet | Spiral Type | LS feet | Ea inches | EuP inches | VP mph | EuF inches | VF mph | STANDARD HSR or SCRRA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | N87°14′32″E | 637.687 | | | | | | | | | | | | | | |
| 176 | TS | | | 1259+51.55 | 1774462.848 | 6580663.653 | | | | | | | | | | | |
| | SC | | | 1260+11.55 | 1774465.661 | 6580723.587 | | | | CLOTHOID | 60 | | | | | | SCRRA |
| | CS | | | 1262+11.79 | 1774472.115 | 6580923.716 | 8185 | 0°42′00″ | 200.24 | | | 0.50 | 2.56 | 79 | 0.73 | 50 | |
| | ST | | | 1262+71.79 | 1774473.169 | 6580983.707 | | | | CLOTHOID | 60 | | | | | | SCRRA |
| | | N89°03′50″E | 395.622 | | | | | | | | | | | | | | |
| 177 | TS | | | 1266+67.408 | 1774479.633 | 6581379.276 | | | | | | | | | | | |
| | SC | | | 1267+77.408 | 1774481.166 | 6581489.266 | | | | CLOTHOID | 110 | | | | | | SCRRA |
| | CS | | | 1270+42.619 | 1774478.987 | 6581754.454 | 7640 | 0°45′00″ | 265.21 | | | 0.50 | 2.28 | 79 | 0.31 | 50 | |
| | ST | | | 1271+52.619 | 1774475.647 | 6581864.403 | | | | CLOTHOID | 110 | | | | | | SCRRA |
| | | N88°07′20″W | 259.150 | | | | | | | | | | | | | | |
| 178 | TS | | | 1274+11.769 | 1774467.155 | 6582123.414 | | | | | | | | | | | |
| | SC | | | 1275+21.769 | 1774463.815 | 6582233.363 | | | | CLOTHOID | 110 | | | | | | SCRRA |
| | CS | | | 1277+89.922 | 1774461.664 | 6582501.494 | 7640 | 0°45′00″ | 268.15 | | | 0.50 | 2.28 | 79 | 0.31 | 50 | |
| | ST | | | 1278+99.922 | 1774463.239 | 6582611.483 | | | | CLOTHOID | 110 | | | | | | SCRRA |
| | | N89°02′30″E | 1056.545 | | | | | | | | | | | | | | |
| 179 | TC | | | 1289+56.466 | 1774480.909 | 6583667.879 | | | | | | | | | | | |
| | CT | | | 1290+90.970 | 1774484.342 | 6583802.338 | 7640 | 0°45′00″ | 134.50 | | | 0.00 | 1.89 | 60 | 1.31 | 50 | SCRRA |
| | | N88°01′59″E | 186.373 | | | | | | | | | | | | | | |
| 180 | TC | | | 1292+77.344 | 1774490.739 | 6583988.601 | | | | | | | | | | | |
| | CT | | | 1294+11.847 | 1774494.172 | 6584123.059 | 7640 | 0°45′00″ | 134.50 | | | 0.00 | 1.89 | 60 | 1.31 | 50 | SCRRA |
| | | N89°02′30″E | 1149.249 | | | | | | | | | | | | | | |

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boschal

| REV | D-TE | BY | SUB | -PP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY
A. LEWIS:Z
DR-WN BY
D. RAMIREZ
CHECKED BY
A. BOSCH
IN CH-RGE
J. SWANSON
D-TE
08/29/25

**PEPD**
**SUBMITTAL**
**FOR INTERNAL**
**USE ONLY**

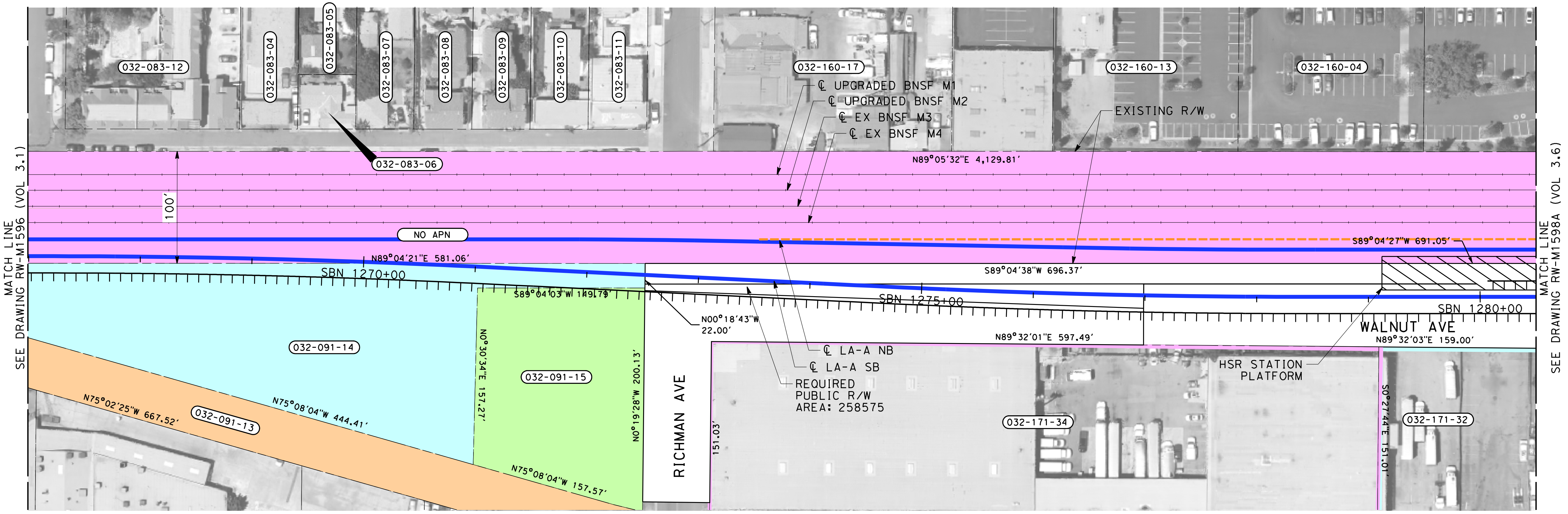
**NOT FOR**
**CONSTRUCTION**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMIN-RY ENGINEERING FOR PROJECT DEFINITION
HORIZONTAL ALIGNMENT DATA
LA-A SOUTHBOUND TRACK

CONTR-CT NO.
HSR06-0005
DR-WING NO.
TT-D6006A
SC-LE
NO SCALE
SHEET NO.



| PARCEL# | TITLE CODE ② | GRANTOR | AREAS (square feet or as noted) |  |  |  | REMARKS | RECORDATION |  |  |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  | TOTAL | REQUIRED ⬡ [UF] | EXCESS ⬡ [UF] | REMAINDER |  | TYPE ③ | DATE | DOC.# ④ |
| 032-091-14 |  | BOS TICK JAMES BTR | 54624 | 54624 |  |  | TRACK |  |  |  |
| 032-171-32 |  | FULLERTON MANUFACTURING | 29890 | 366 |  |  | UTILITY |  |  |  |
| 032-091-15 |  | GKB JR LLC | 27111 | 27111 |  |  | TRACK/ROAD |  |  |  |
| 032-171-34 |  | GKB JR LLC | 89815 | 10356 |  |  | UTILITY |  |  |  |

THE DISPOSITION, WHETHER OWNED OR LEASED, OF RIGHT-OF-WAY (ROW) FROM REDONDO JUNCTION (EXISTING BRIDGE OVER LOS ANGELES RIVER) TO THE CITY OF FULLERTON IS DEPENDENT UPON THE DISCUSSIONS AND NEGOTIATIONS BETWEEN THE CALIFORNIA HIGH SPEED RAIL AUTHORITY (AUTHORITY) AND THE BURLINGTON NORTHERN SANTA FE RAILWAY (BNSF).

NOTES:

1. INFORMATION IS BASED ON APPRAISAL MAPPING FROM COUNTY AND GIS; NEEDS TO BE VERIFIED.
2. PARCELS THAT FALL ON MULTIPLE SHEETS ARE ONLY PRESENTED ON THE FIRST SHEET TABLE.
3. GRADE SEPARATION & SYSTEM FACILITY IMPACTS LOCATED BEYOND ALIGNMENT ARE LOCATED ON "RW-M17XX SERIES" SHEETS.
4. MAINTENANCE YARD IMPACTS ARE LOCATED ON "RW-M18XX SERIES" SHEETS.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
|  |  |  |  |  |  |

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

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

**NOT FOR CONSTRUCTION**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
RIGHT-OF-WAY IMPACT
FULLERTON HSR STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. RW-M1597A
SCALE AS SHOWN
SHEET NO.

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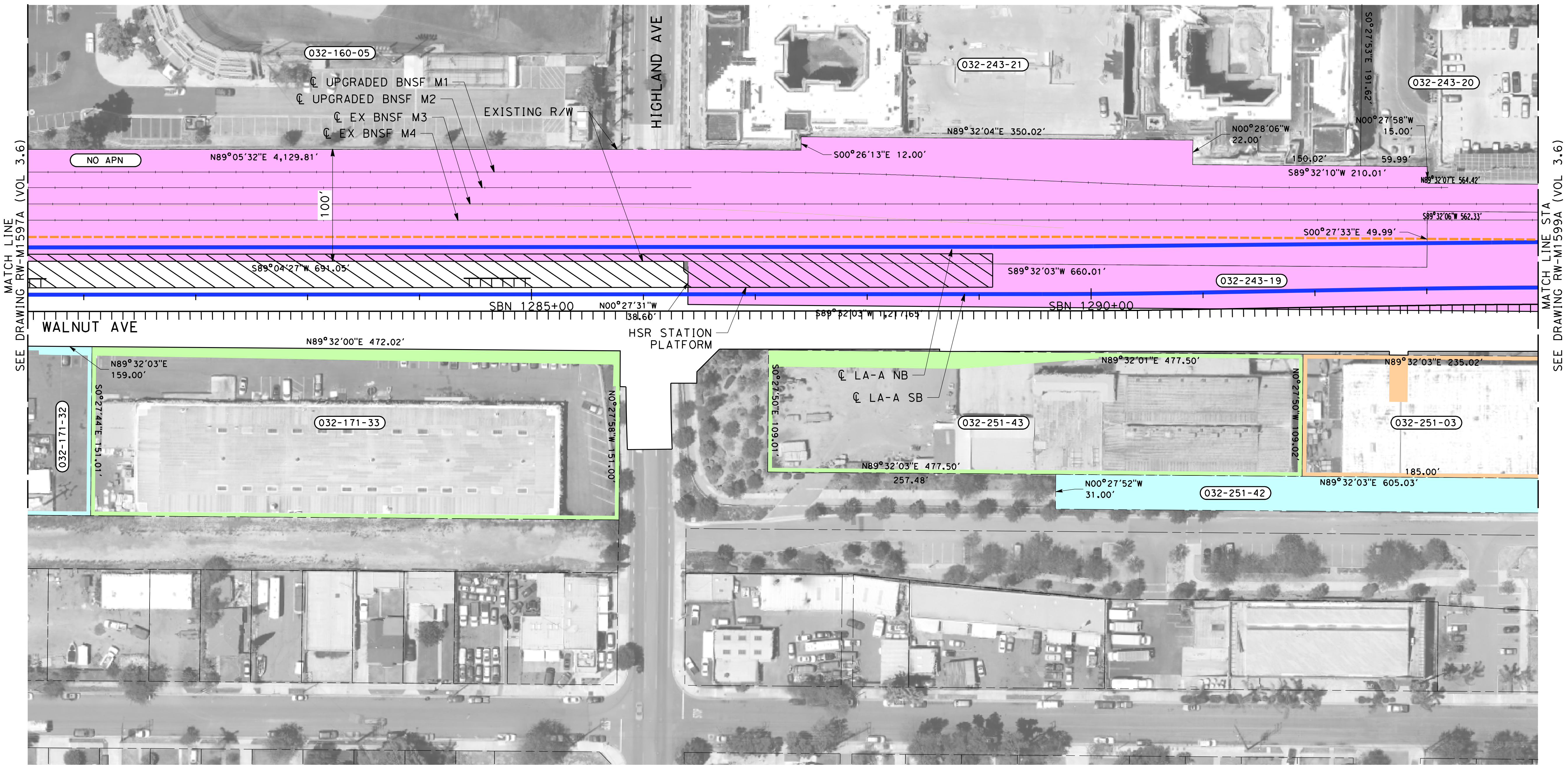

THE DISPOSITION, WHETHER OWNED OR LEASED, OF RIGHT-OF-WAY (ROW) FROM REDONDO JUNCTION (EXISTING BRIDGE OVER LOS ANGELES RIVER) TO THE CITY OF FULLERTON IS DEPENDENT UPON THE DISCUSSIONS AND NEGOTIATIONS BETWEEN THE CALIFORNIA HIGH SPEED RAIL AUTHORITY (AUTHORITY) AND THE BURLINGTON NORTHERN SANTA FE RAILWAY (BNSF).

NOTES:

1. INFORMATION IS BASED ON APPRAISAL MAPPING FROM COUNTY AND GIS; NEEDS TO BE VERIFIED.
2. PARCELS THAT FALL ON MULTIPLE SHEETS ARE ONLY PRESENTED ON THE FIRST SHEET TABLE.
3. GRADE SEPARATION & SYSTEM FACILITY IMPACTS LOCATED BEYOND ALIGNMENT ARE LOCATED ON "RW-M17XX SERIES" SHEETS.
4. MAINTENANCE YARD IMPACTS ARE LOCATED ON "RW-M18XX SERIES" SHEETS.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

| PARCEL# | TITLE CODE ② | GRANTOR | AREAS (square feet or as noted) TOTAL | REQUIRED ⎔ [UF] | EXCESS ⎔ [UF] | REMAINDER | REMARKS | RECORDATION TYPE ③ | DATE | DOC.# ④ |
|---|---|---|---|---|---|---|---|---|---|---|
| 032-251-42 | | UNKNOWN | 24711 | 24711 | | | STATION FACILITIES | | | |
| 032-171-33 | | FULLERTON MANUFACTURING | 71276 | 4891 | | | UTILITY | | | |
| 032-251-43 | | LUI LLC | 52054 | 3828 | | | UTILITY | | | |
| 032-251-03 | | LOPEZ LANCE G TR LAND | 25621 | 25621 | | | STATION FACILITIES | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
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DESIGNED BY R. NAFAR
DRAWN BY M. MAMAWAL
CHECKED BY M. SATISH
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
RIGHT-OF-WAY IMPACT
FULLERTON HSR STATION OPTION

CONTRACT NO. HSR06-0005
DRAWING NO. RW-M1598A
SCALE AS SHOWN
SHEET NO.

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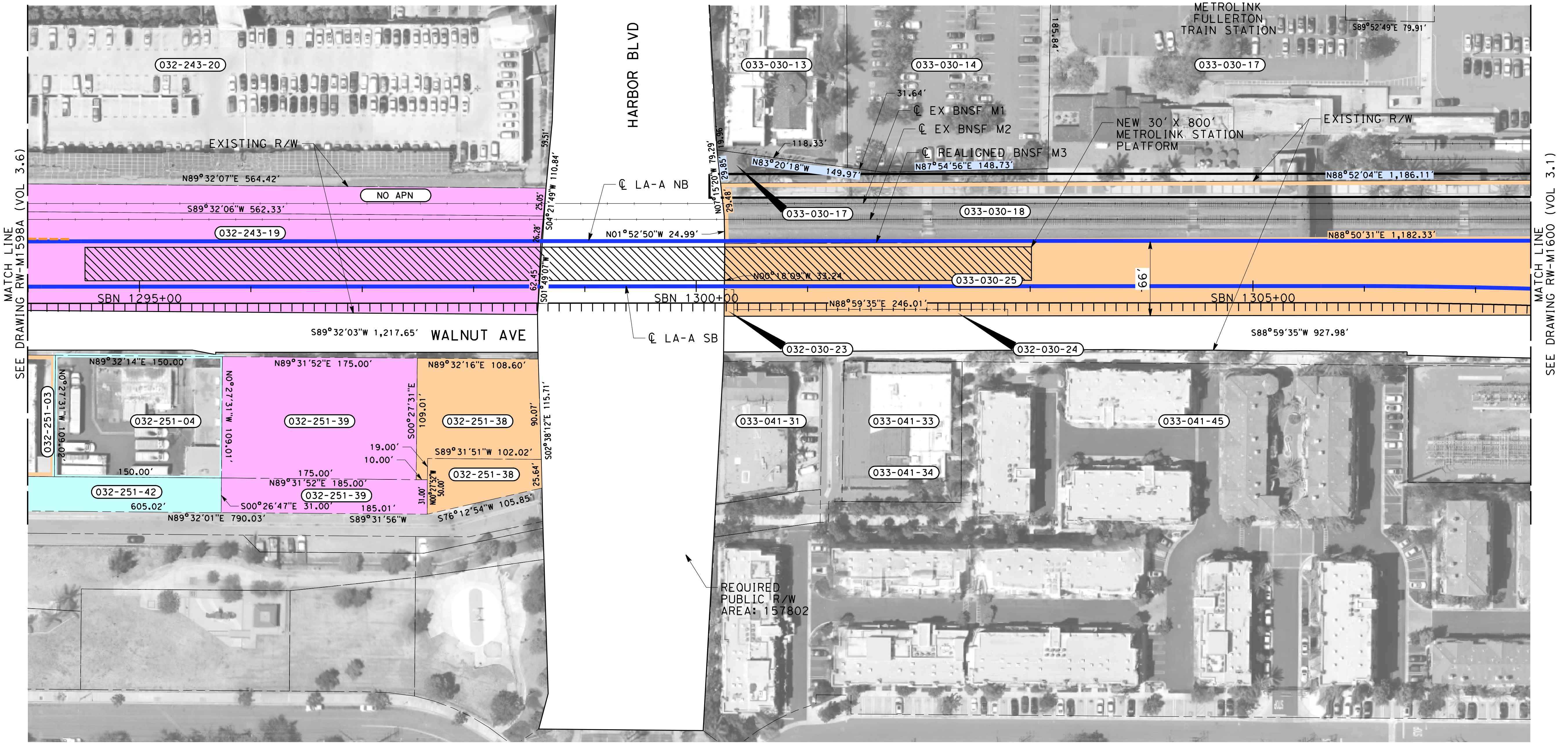

THE DISPOSITION, WHETHER OWNED OR LEASED, OF RIGHT-OF-WAY (ROW) FROM REDONDO JUNCTION (EXISTING BRIDGE OVER LOS ANGELES RIVER) TO THE CITY OF FULLERTON IS DEPENDENT UPON THE DISCUSSIONS AND NEGOTIATIONS BETWEEN THE CALIFORNIA HIGH SPEED RAIL AUTHORITY (AUTHORITY) AND THE BURLINGTON NORTHERN SANTA FE RAILWAY (BNSF).

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4. MAINTENANCE YARD IMPACTS ARE LOCATED ON "RW-M18XX SERIES" SHEETS.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

| PARCEL# | TITLE CODE ② | GRANTOR | AREAS (square feet or as noted) |  |  |  | REMARKS | RECORDATION |  |  |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  | TOTAL | REQUIRED ⬡ [UF] | EXCESS ⬡ [UF] | REMAINDER |  | TYPE ③ | DATE | DOC.# ④ |
| 032-251-04 |  | BUSHALA JR, GEORGE | 16352 | 16352 |  |  | STATION FACILITIES |  |  |  |
| 032-251-39 |  | COX, THADDEUS W | 24813 | 24813 |  |  | STATION FACILITIES |  |  |  |
| 032-251-38 |  | COX, THADDEUS W | 14000 | 14000 |  |  | STATION FACILITIES |  |  |  |
| 032-251-39 |  | COX, THADDEUS W | 5761 | 5761 |  |  | STATION FACILITIES |  |  |  |
| 032-251-38 |  | COX, THADDEUS W | 3882 | 3882 |  |  | STATION FACILITIES |  |  |  |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DESIGNED BY
R. NAFAR
DRAWN BY
M. MAMAWAL
CHECKED BY
M. SATISH
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
RIGHT-OF-WAY IMPACT
FULLERTON HSR STATION OPTION

CONTRACT NO.
HSR06-0005
DRAWING NO.
RW-M1599A
SCALE
AS SHOWN
SHEET NO.

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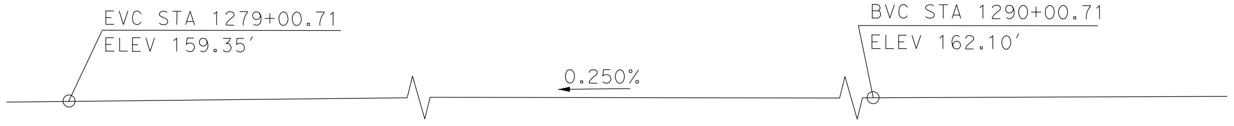
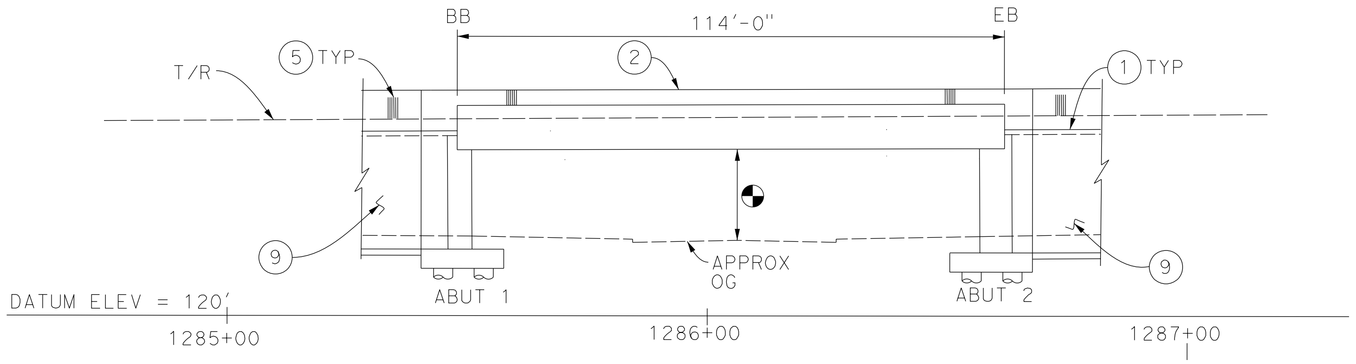


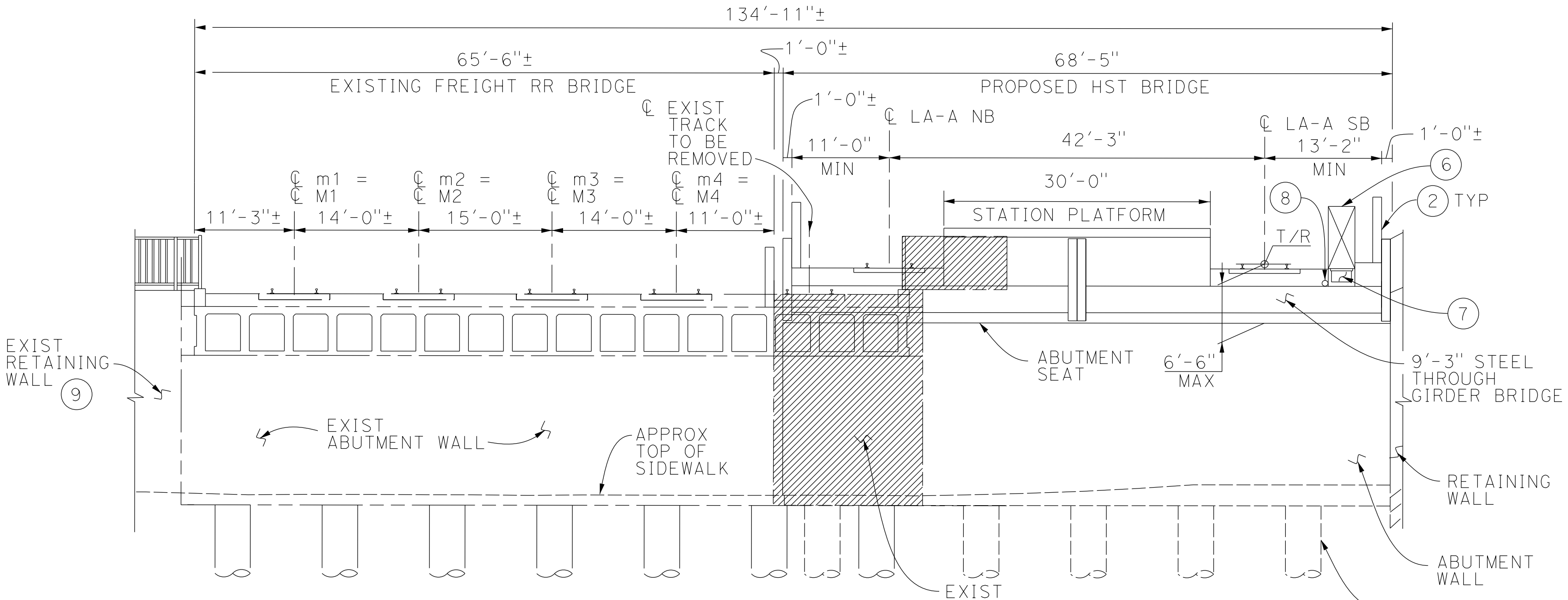
## TOP OF RAIL PROFILE (LA-A SB)

NO SCALE



## ELEVATION

1"=20'-0"



## TYPICAL SECTION

1"=10'-0"

ABUTMENT 2 SHOWN, ABUTMENT 1 SIMILAR

NOTES:

① STRUCTURE APPROACH SLAB
② PARAPET
③ PAINT "BR. NO. XX-XXX"
④ PAINT "HIGHLAND AVENUE UNDERPASS"
⑤ ARCHITECTURAL TREATMENT (TO BE DETERMINED)
⑥ WALKWAY (3'-0" WIDE)
⑦ NEW UTILITY DUCT
⑧ DRAINAGE PIPE
⑨ ADJACENT RETAINING WALL (SEE CIVIL PLANS)
⑩ REMOVE EXIST RETAINING WALL
⑪ STATION PLATFORM

EXISTING UTILITIES:

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

NOTE: FOR UTILITLY NOT SHOWN, SEE VOL. 3.4 UT-C1598

LEGEND:

◐ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE (16'-6")
◐ INDICATES EXISTING POINT OF MINIMUM VERTICAL CLEARANCE (15'-8"±)
⇦ INDICATES DIRECTION OF TRAFFIC
— — INDICATES EXISTING
▨ INDICATES LIMITS OF REMOVAL
(M) PROPOSED ALIGNMENT
(m) EXISTING ALIGNMENT

GENERAL NOTES:

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

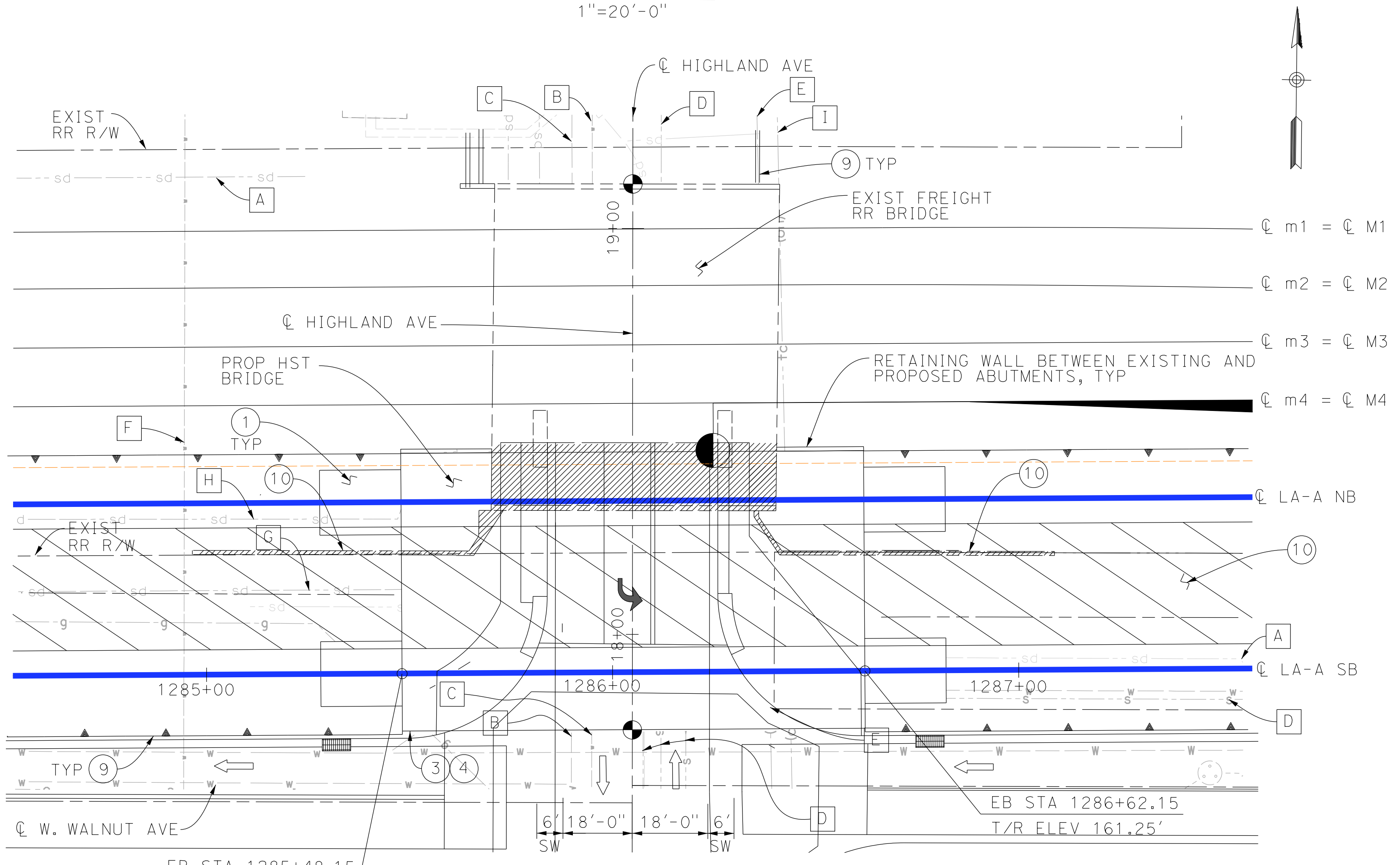
FOUNDATION:

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

TRAFFIC (PER DAY):

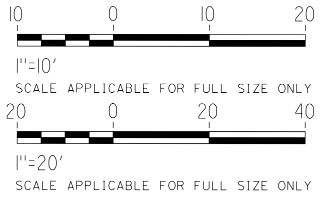
ADT$_{2009}$: 9,800
ADT$_{35}$ : 14,500

| | |
|---|---|
| TRAIN VOLUME$_{2030}$: | 118 FREIGHT<br>60 METROLINK<br>40 AMTRAK |



## PLAN

1"=20'-0"


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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

| REV | DATE | BY | SUB | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. ST-K1351A
SCALE AS SHOWN
SHEET NO.

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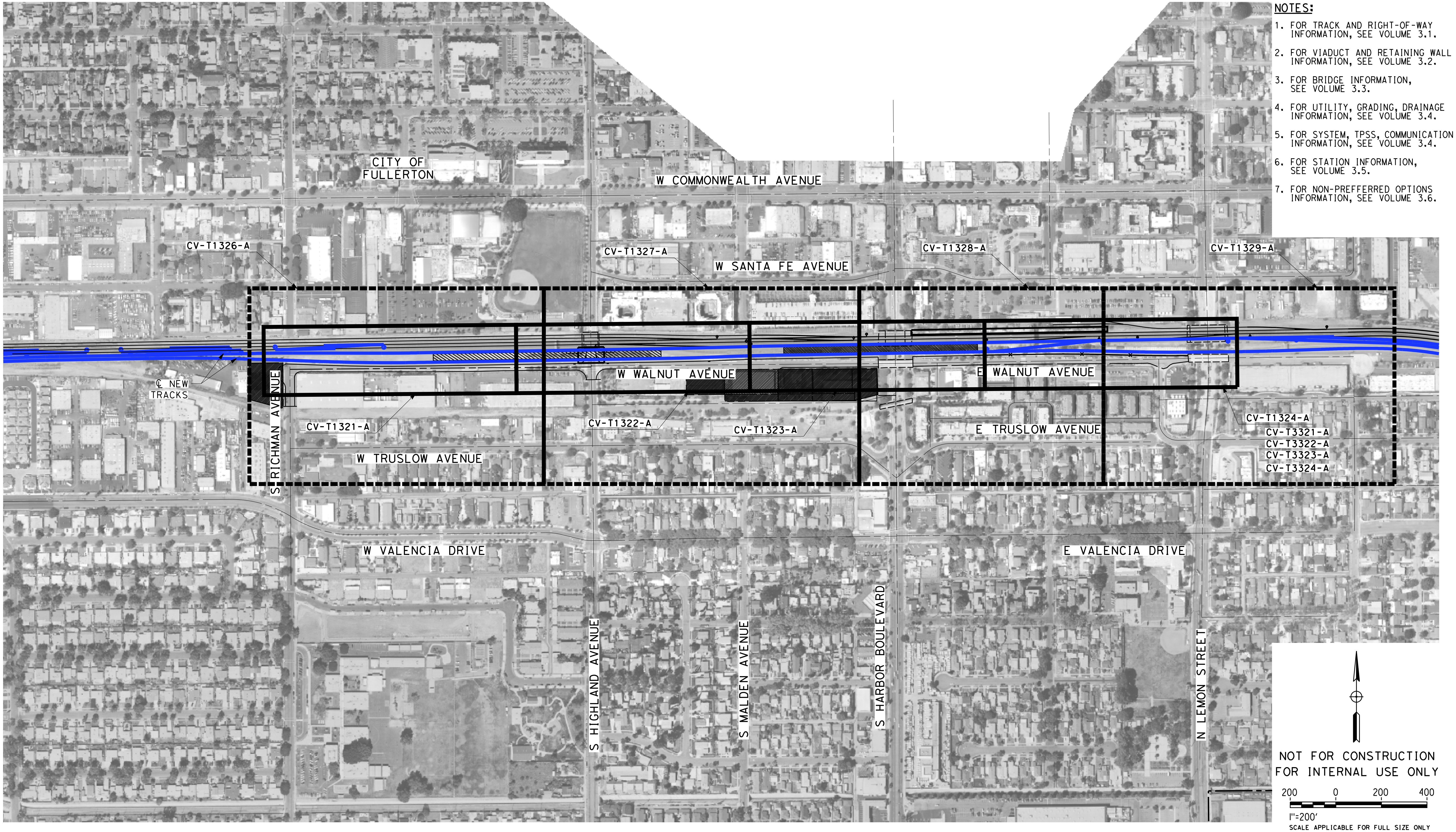

NOTES:

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

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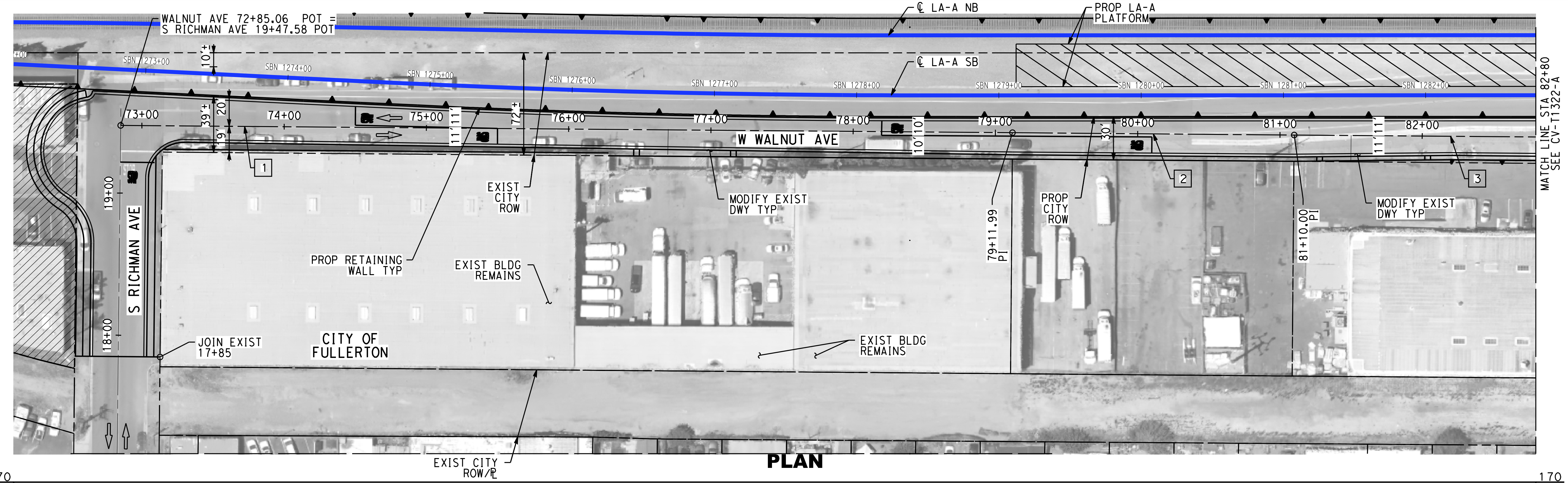
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

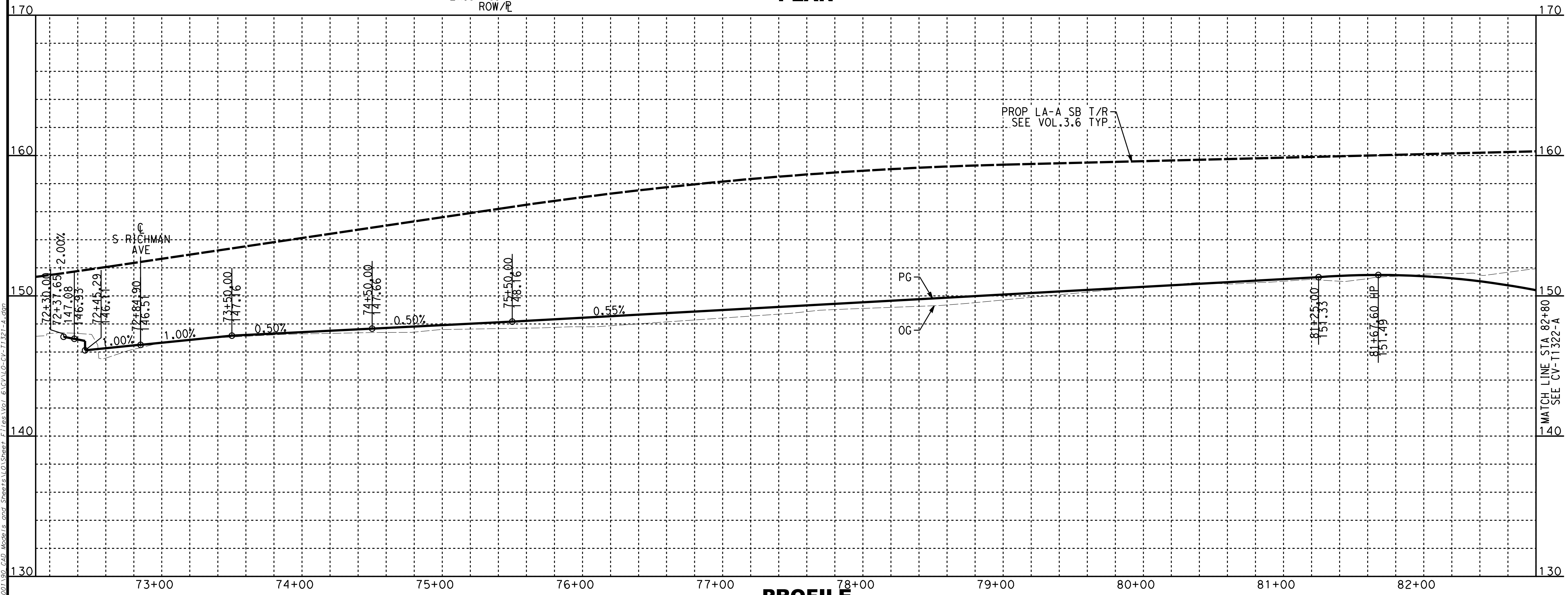
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADE SEPARATION - W&E WALNUT AVE
ORIENTATION MAP

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

$PLOT$



## PLAN



## PROFILE

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

LINE DATA

| NO | BEARING | DISTANCE |
|---|---|---|
| 1 | N89°32'01"E | 626.93' |
| 2 | N89°32'04"E | 198.00' |
| 3 | N89°32'00"E | 497.16' |

| 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

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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 - W&E WALNUT AVE
PLAN AND PROFILE - SHEET 1 OF 4

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1321-A
SCALE
AS SHOWN
SHEET NO.

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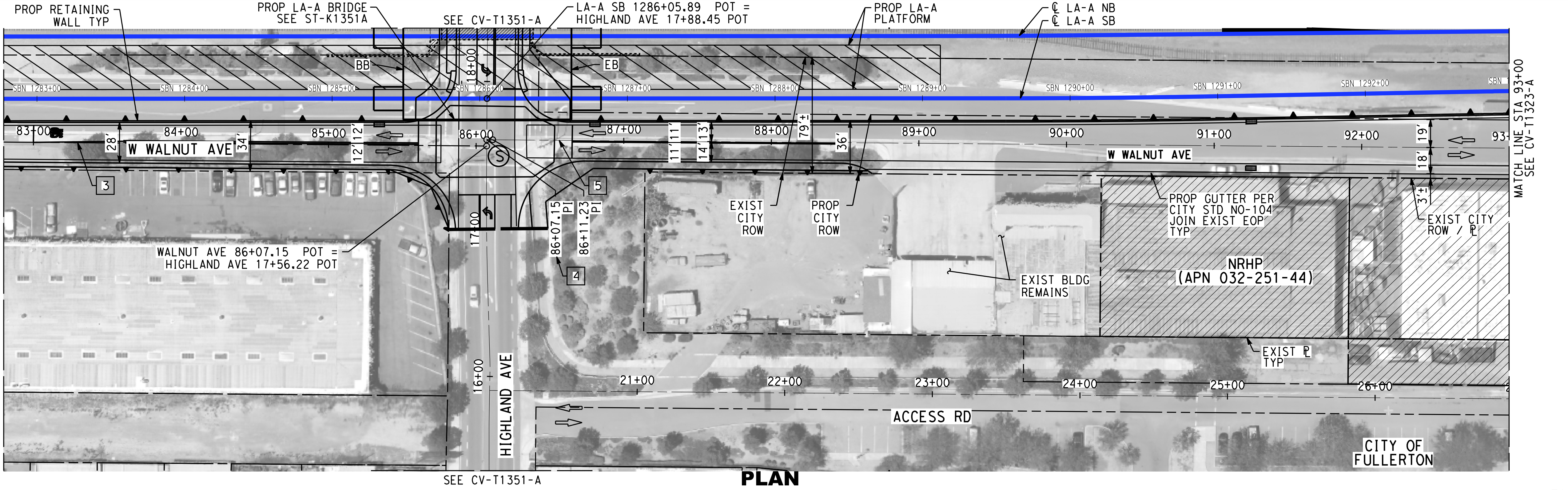
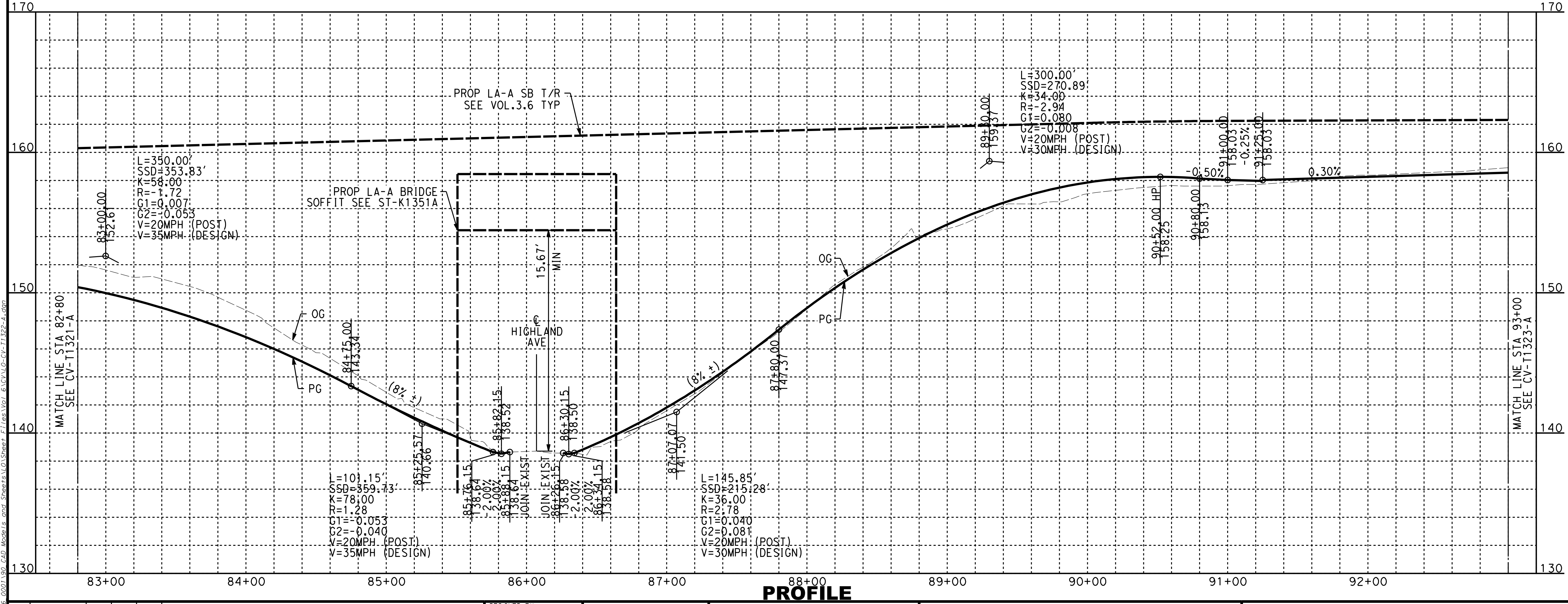


## PLAN



## PROFILE

NOTES:

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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

LINE DATA

| NO | BEARING | DISTANCE |
|---|---|---|
| 3 | N89°32'00"E | 497.16' |
| 4 | N88°55'45"E | 4.08' |
| 5 | N89°32'05"E | 1330.07' |

| 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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1322-A
SCALE AS SHOWN
SHEET NO.

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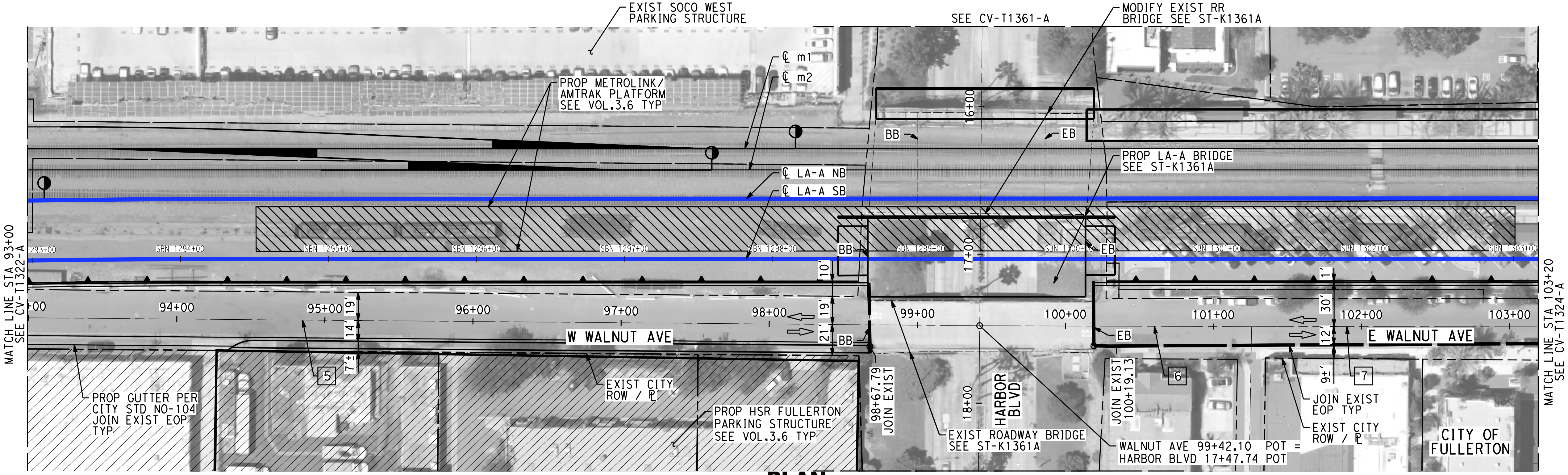
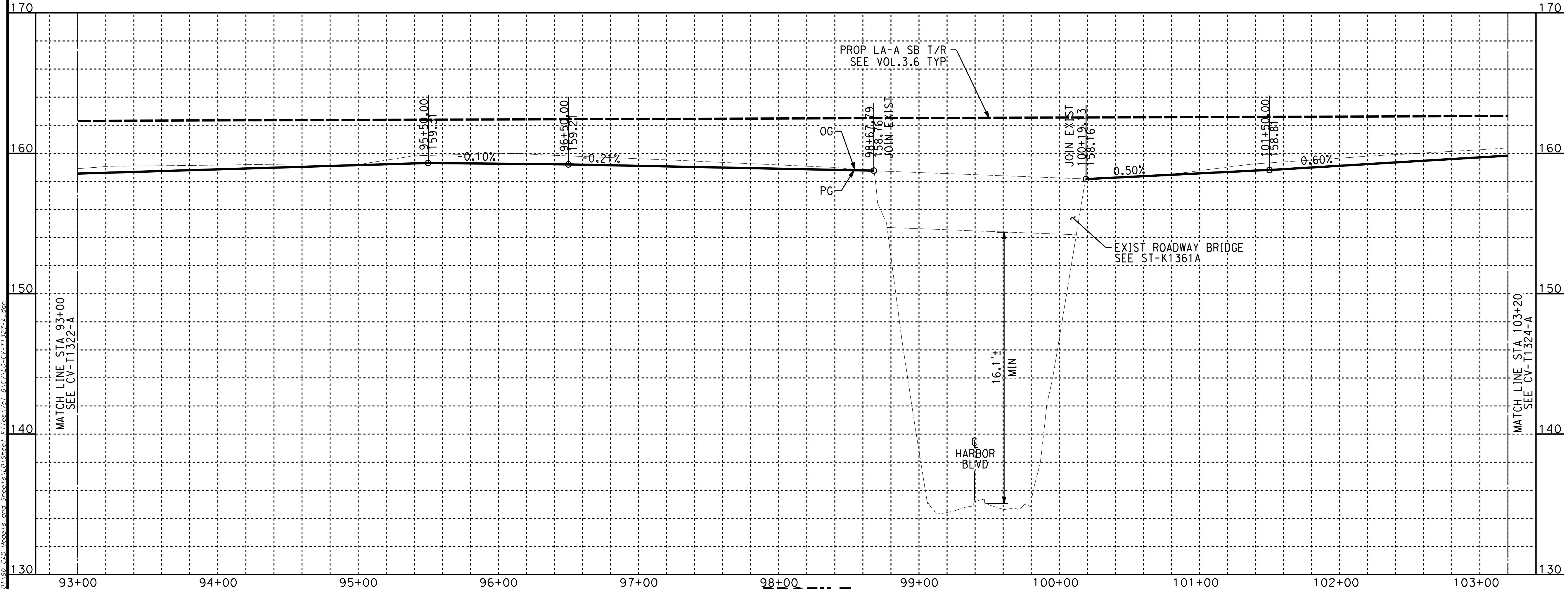


**PLAN**

SEE CV-T1361-A



**PROFILE**

NOTES:

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NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

LINE DATA

| NO | BEARING | DISTANCE |
|---|---|---|
| 5 | N89°32'05"E | 1330.07' |
| 6 | N89°16'18"E | 184.43' |
| 7 | N88°59'40"E | 491.60' |

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DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE
02/28/25 08/29/25

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1323-A
SCALE
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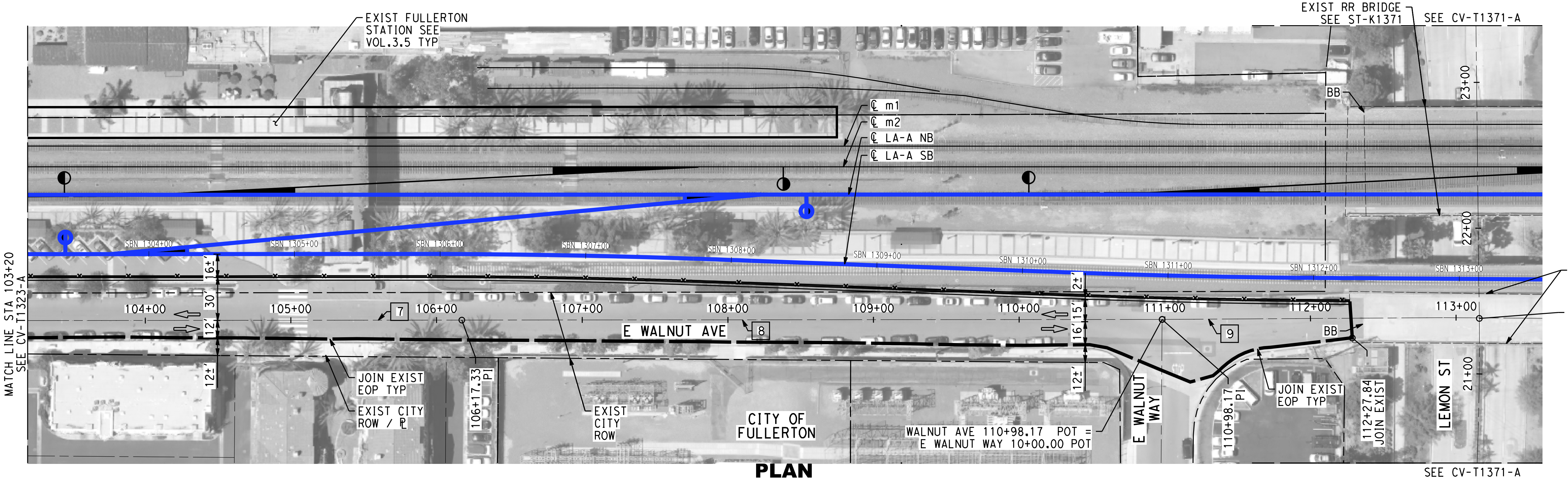
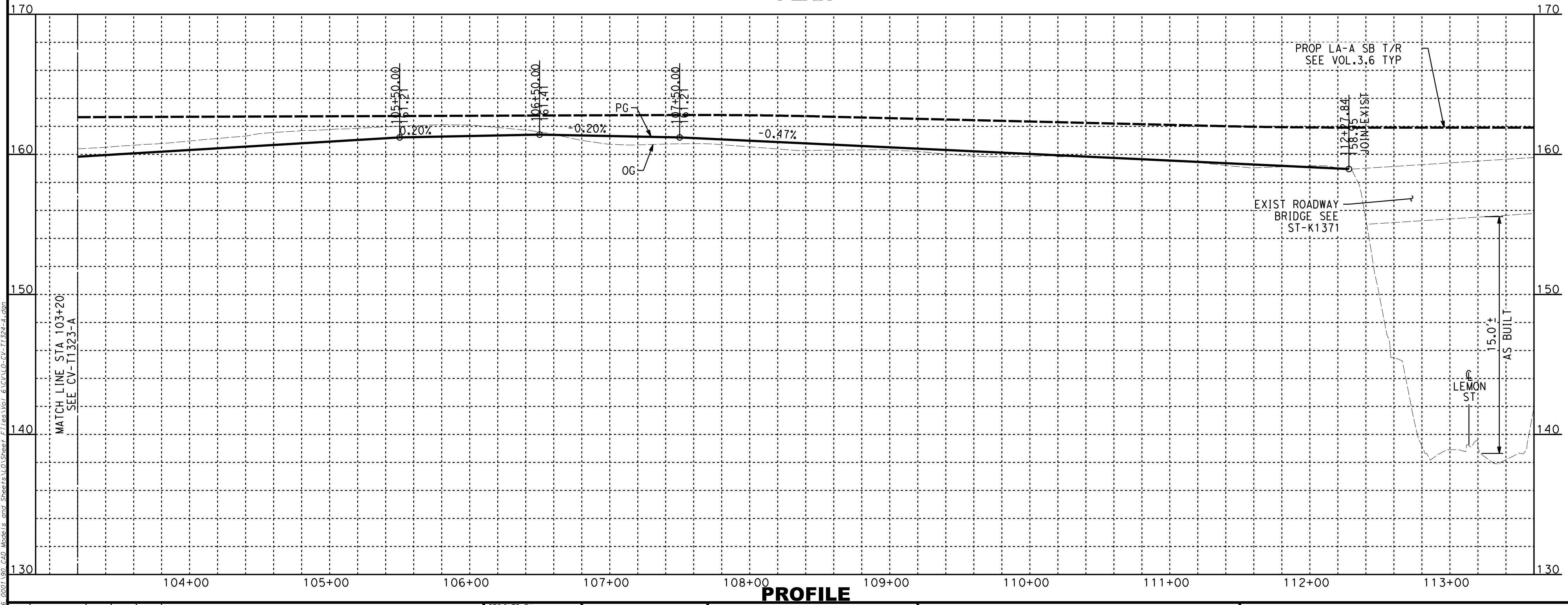
SHEET NO.



## PLAN



## PROFILE

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
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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 |
|---|---|---|
| 7 | N88°59'40"E | 491.60' |
| 8 | N89°00'28"E | 480.84' |
| 9 | N88°41'48"E | 193.27' |

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DESIGNED BY A. CHIANG
DRAWN BY A. CHIANG
CHECKED BY A. BOSCH
IN CHARGE J. SWANSON
DATE 02/28/25 08/29/25

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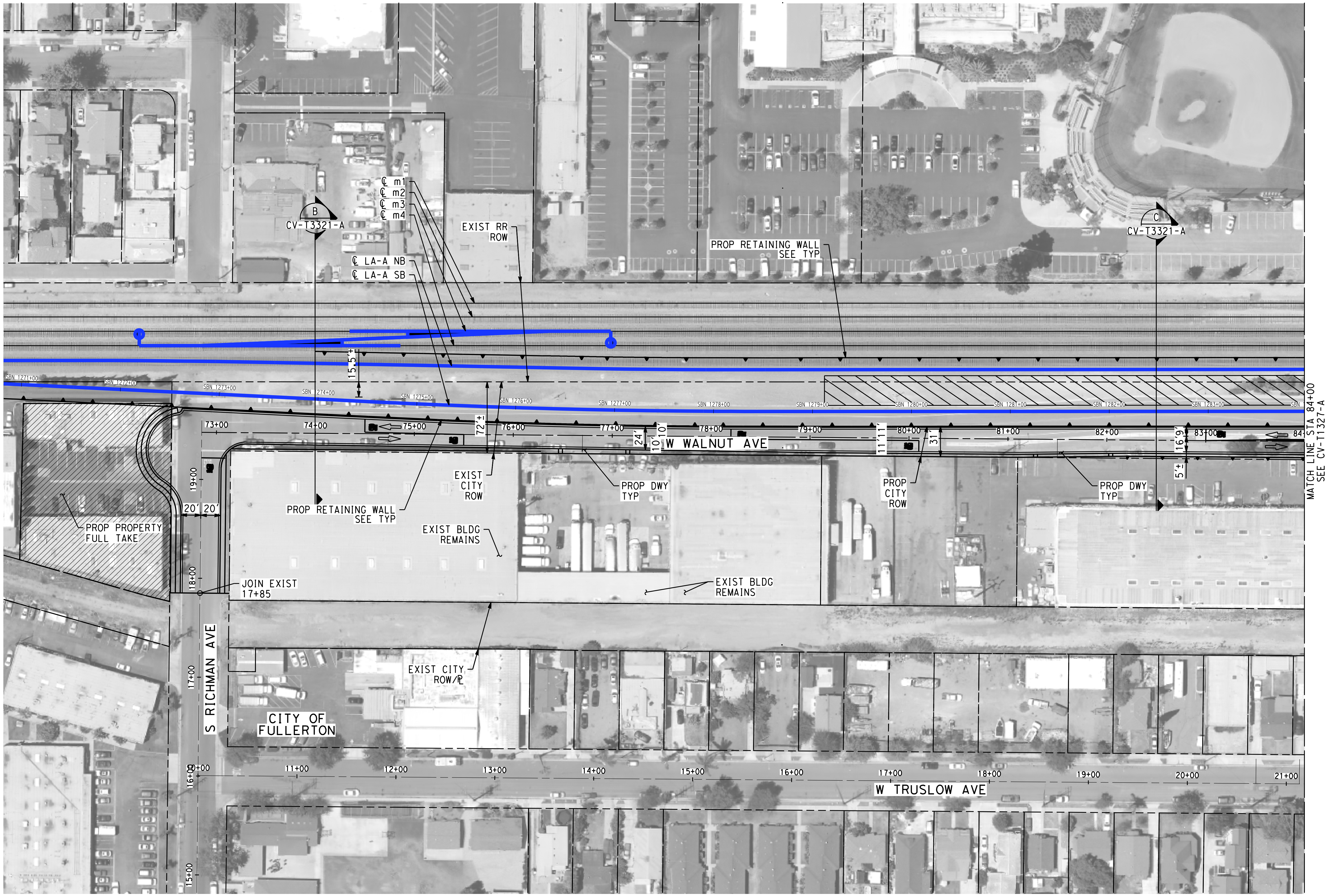
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR06-0005
DRAWING NO. CV-T1324-A
SCALE AS SHOWN
SHEET NO.



NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
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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
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 - W&E WALNUT AVE
IMPACT PLAN - SHEET 1 OF 4

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1326-A
SCALE
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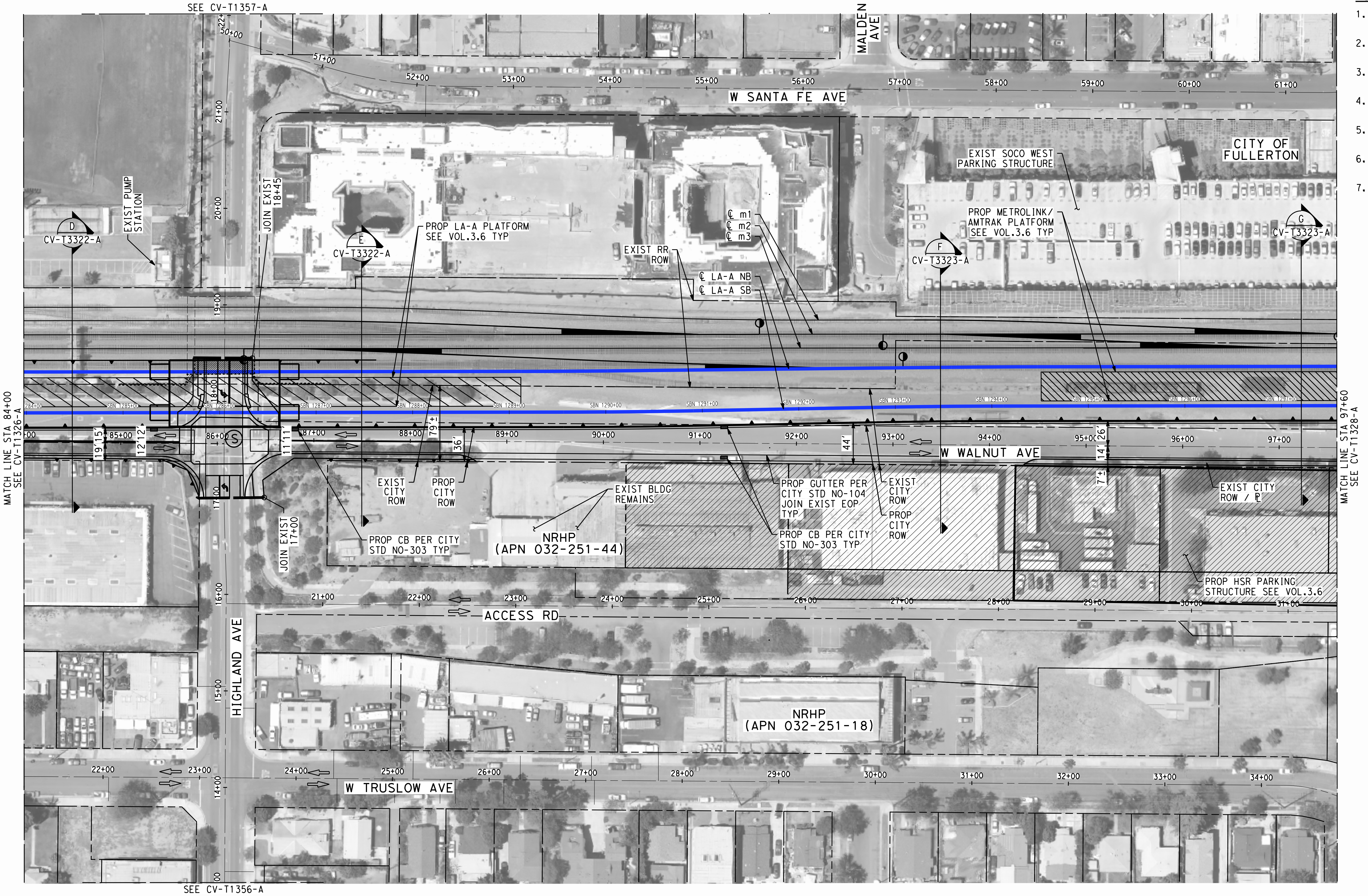
SHEET NO.



NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
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7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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
08/29/25

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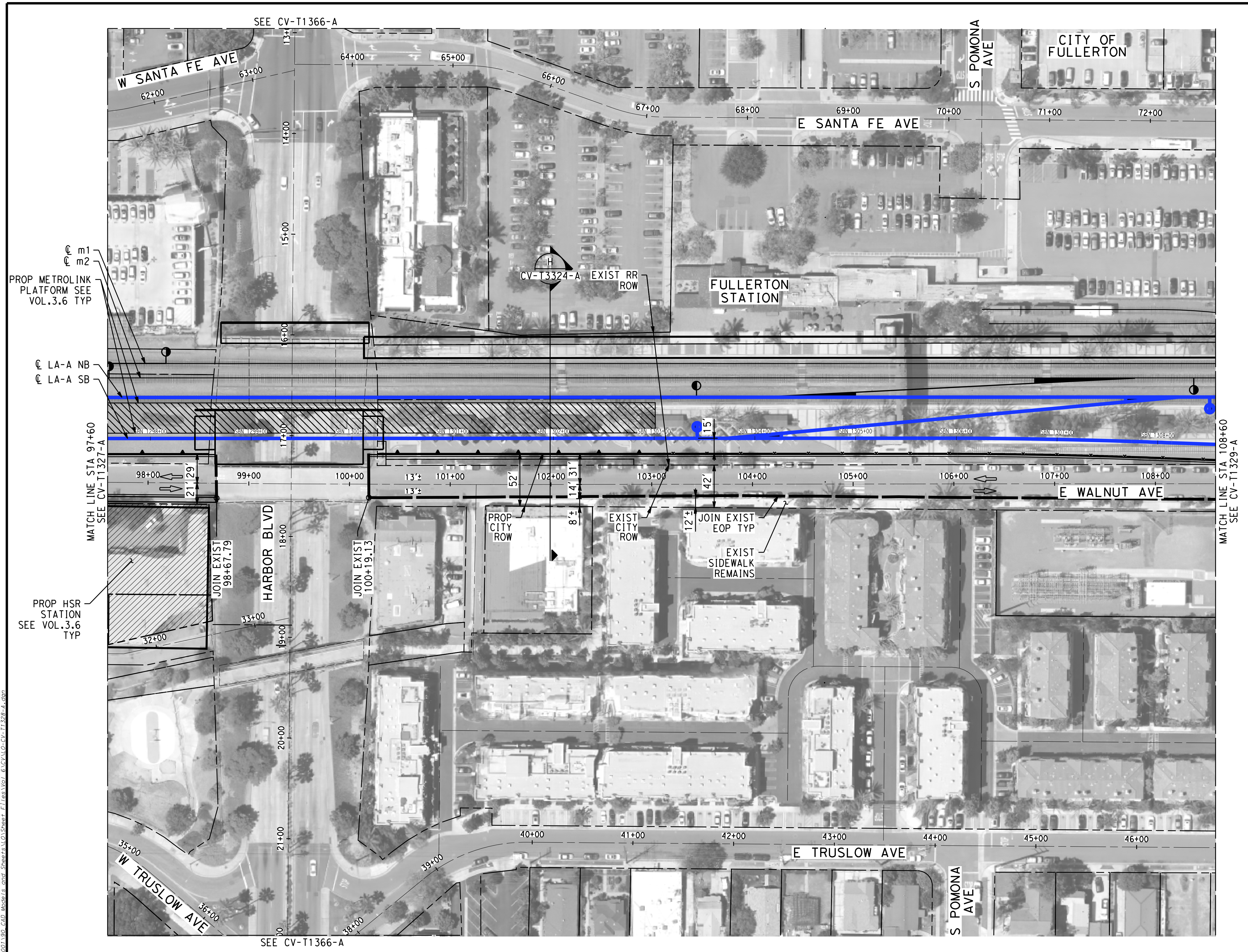
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1327-A
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 |
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| | | | | | |

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

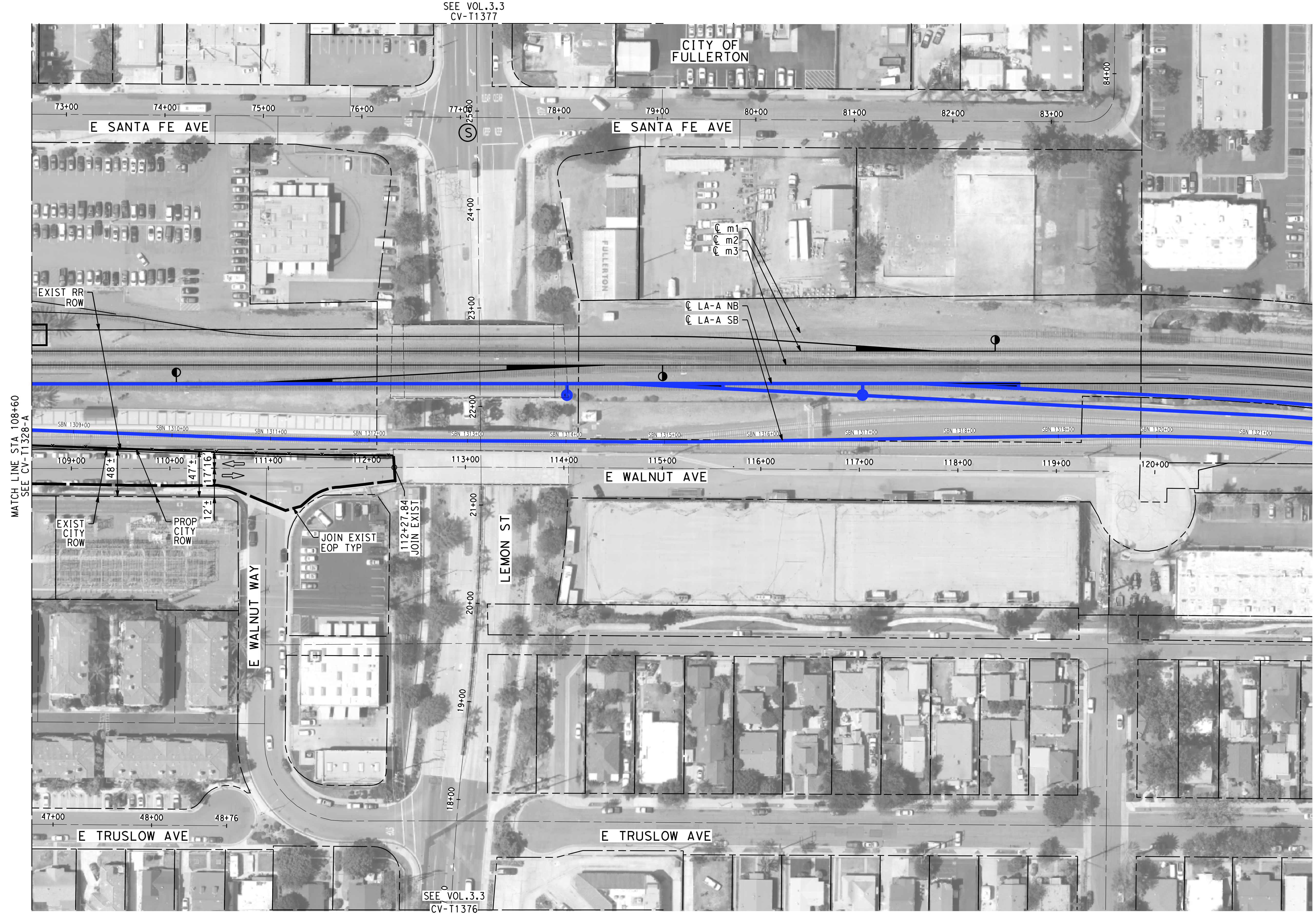
**NOT FOR CONSTRUCTION**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1328-A
SCALE
AS SHOWN
SHEET NO.



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

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

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY

NOT FOR
CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1329-A
SCALE
AS SHOWN
SHEET NO.

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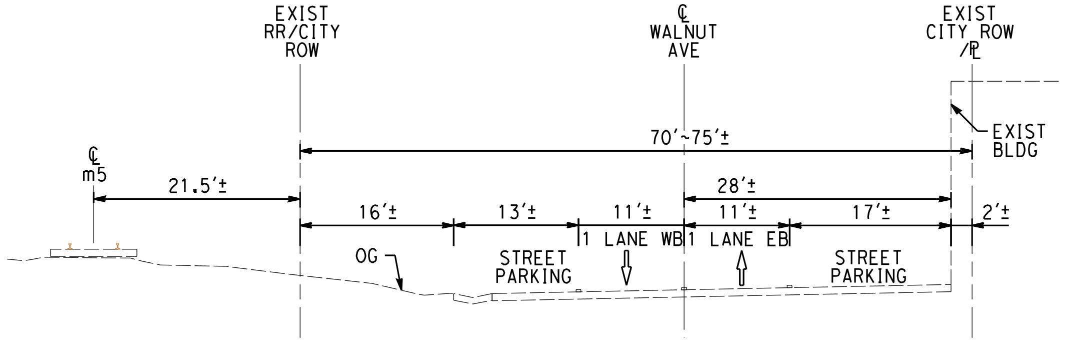
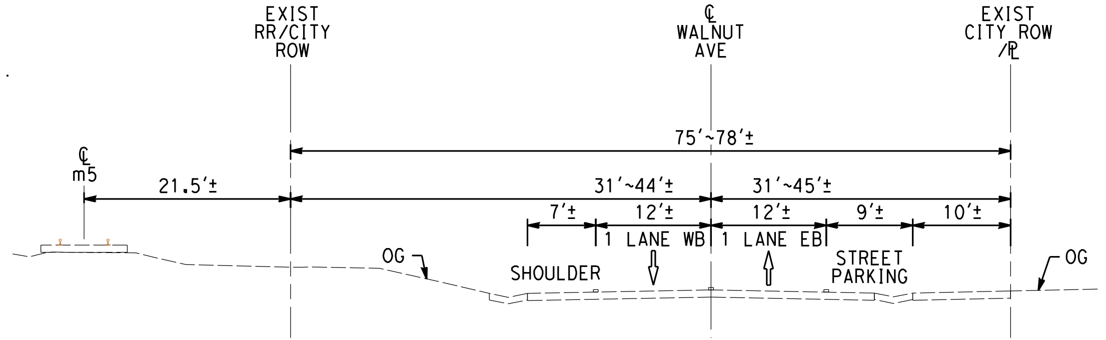
## NOTES:

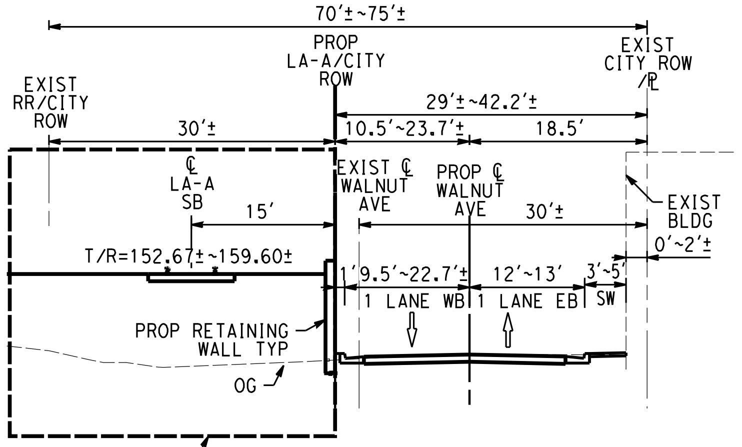
1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
4. FOR UTILITY, GRADING, DRAINAGE INFORMATION, SEE VOLUME 3.4.
5. FOR SYSTEM, TPSS, COMMUNICATION INFORMATION, SEE VOLUME 3.4.
6. FOR STATION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



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

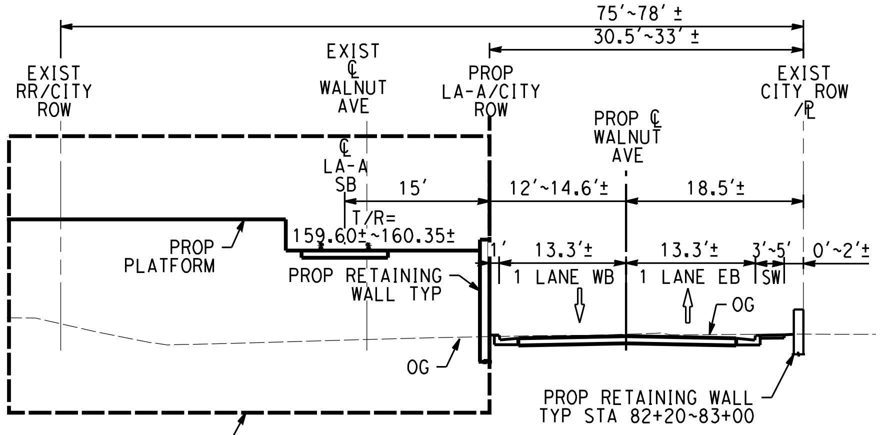


EXIST CONDITION
STA 80+00~83+00 (C / -)
CV-T1326-A AS SHOWN



LA-A SECTION SEE VOL.3.6 FOR DETAILS TYP

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



LA-A SECTION SEE VOL.3.6 FOR DETAILS TYP

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

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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
08/29/25

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

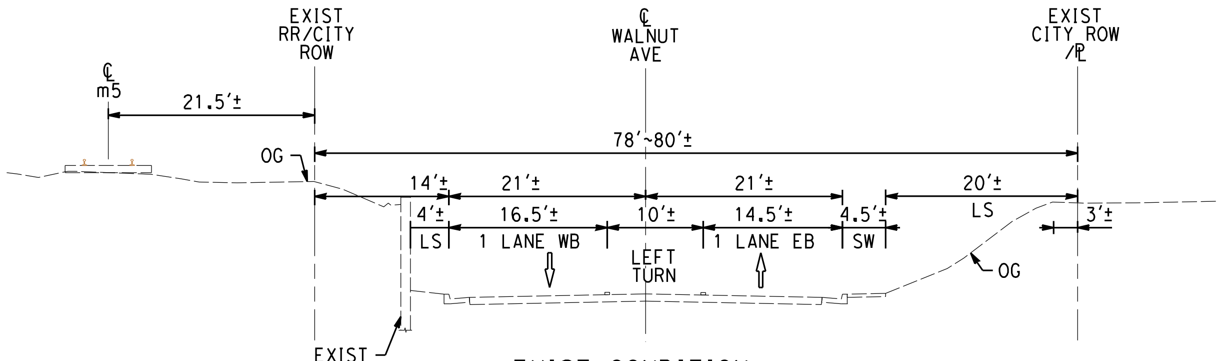
**NOT FOR CONSTRUCTION**

stv

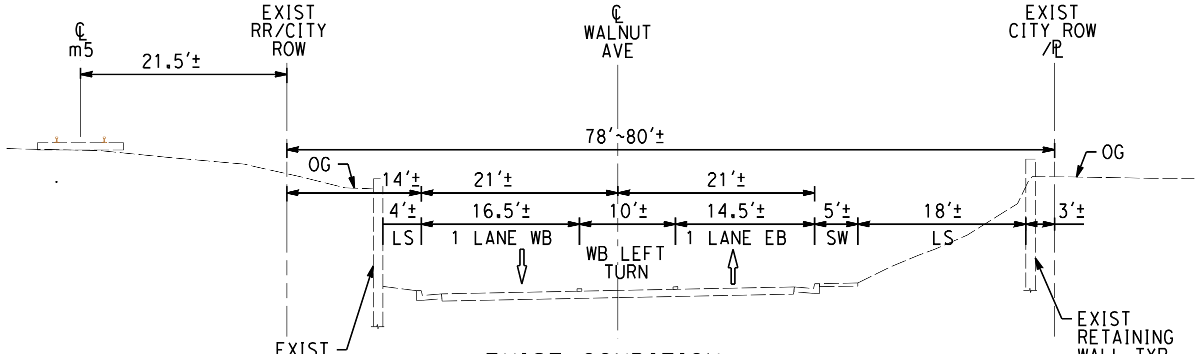
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3321-A
AS SHOWN



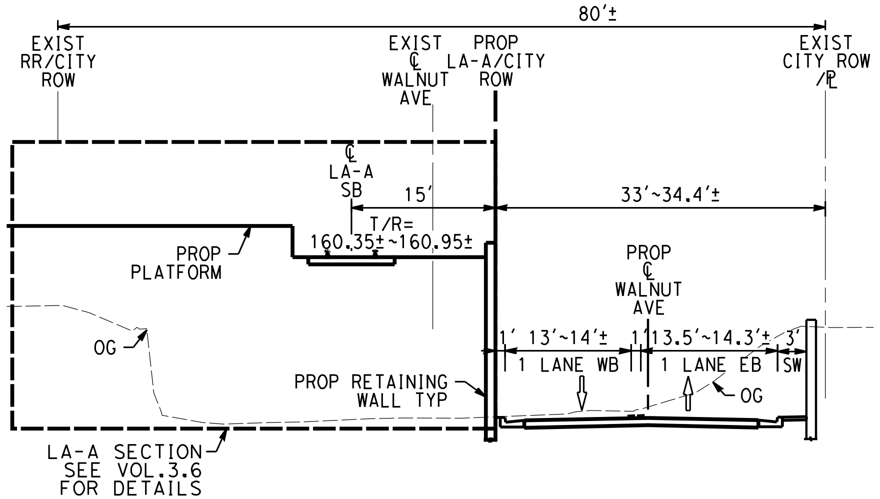
EXIST CONDITION
STA 83+00~85+60
CV-T1327-A AS SHOWN
D
-



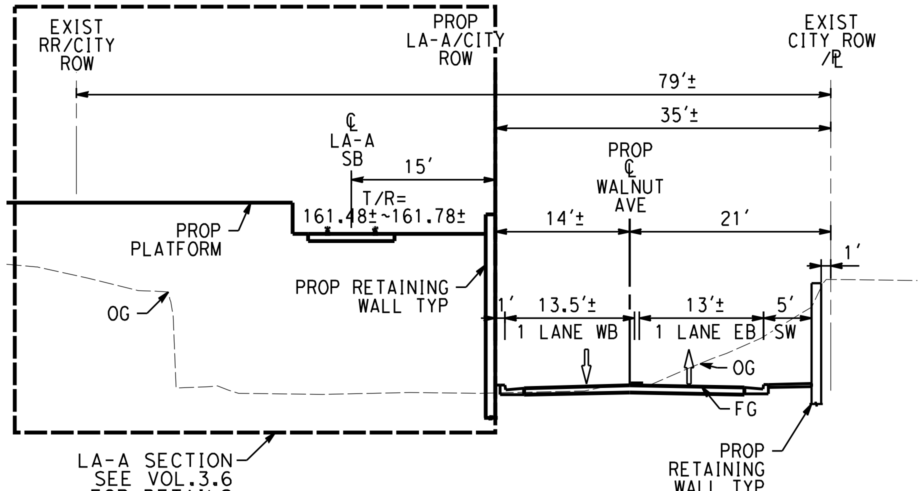
EXIST CONDITION
STA 86+75~88+68
CV-T1327-A AS SHOWN
E
-

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 84+50
TYP STA 83+00~85+40
CV-T1327-A AS SHOWN
D
-



PROP CONDITION STA 87+50
TYP STA 86+75~88+68
CV-T1327-A AS SHOWN
E
-

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

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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
08/29/25

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

**NOT FOR CONSTRUCTION**

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3322-A
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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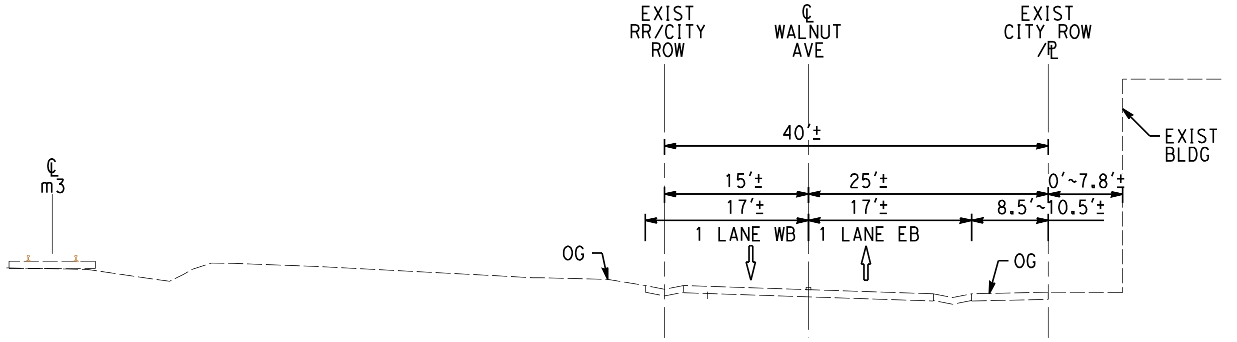
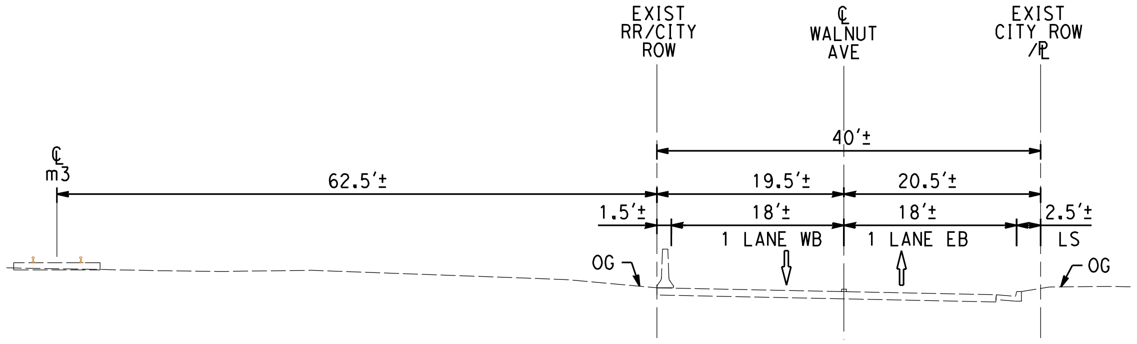
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



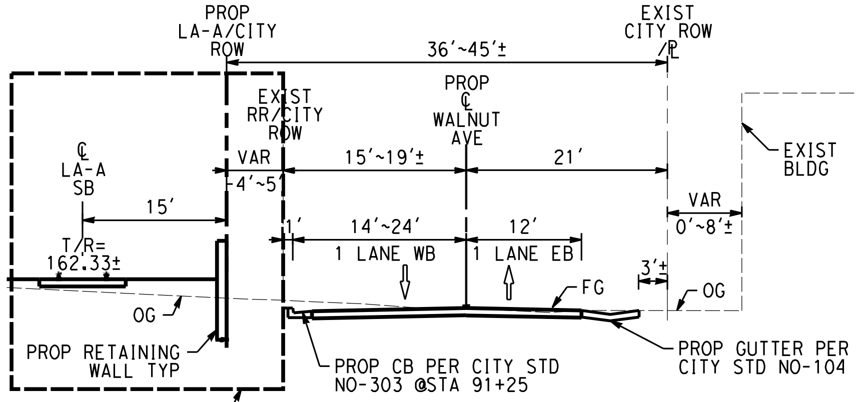
EXIST CONDITION STA 88+68~94+30 (F / -)

CV-T1327-A AS SHOWN



EXIST CONDITION STA 94+30~98+68 (G / -)

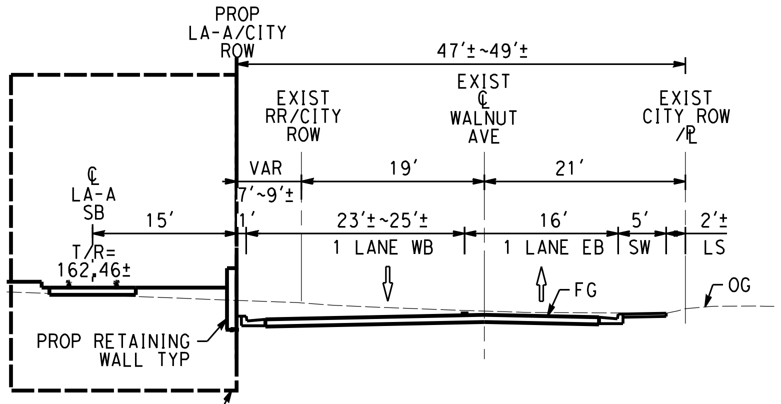
CV-T1327-A AS SHOWN



LA-A SECTION SEE VOL.3.6 FOR DETAILS TYP

PROP CONDITION STA 93+50 TYP STA 88+68~94+30 (F / -)

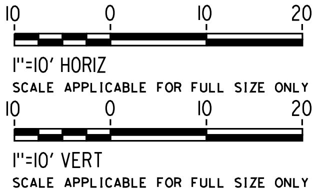
CV-T1327-A AS SHOWN



LA-A SECTION SEE VOL.3.6 FOR DETAILS TYP

PROP CONDITION STA 97+50 TYP STA 94+30~98+68 (G / -)

CV-T1327-A AS SHOWN


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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
08/29/25

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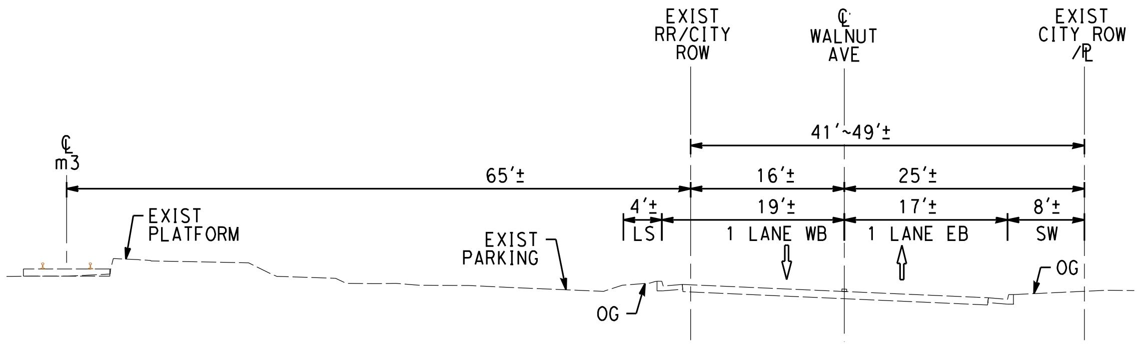
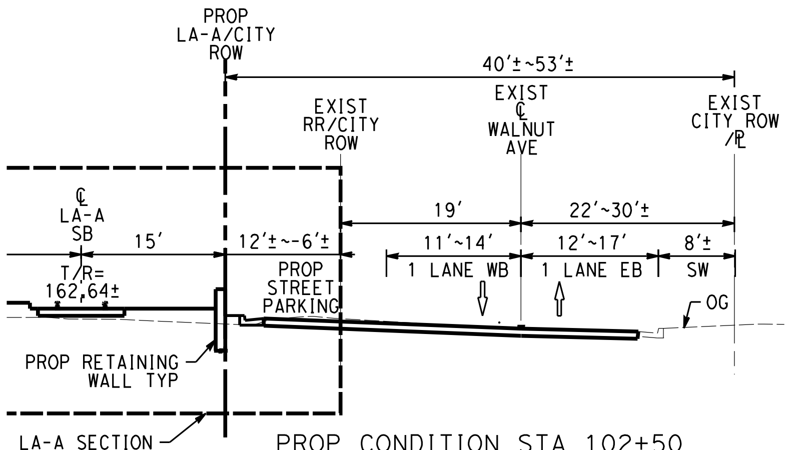
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3323-A
AS SHOWN



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



PROP CONDITION STA 102+50
TYP STA 100+20~112+27
CV-T1328-A AS SHOWN
H
-

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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.

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

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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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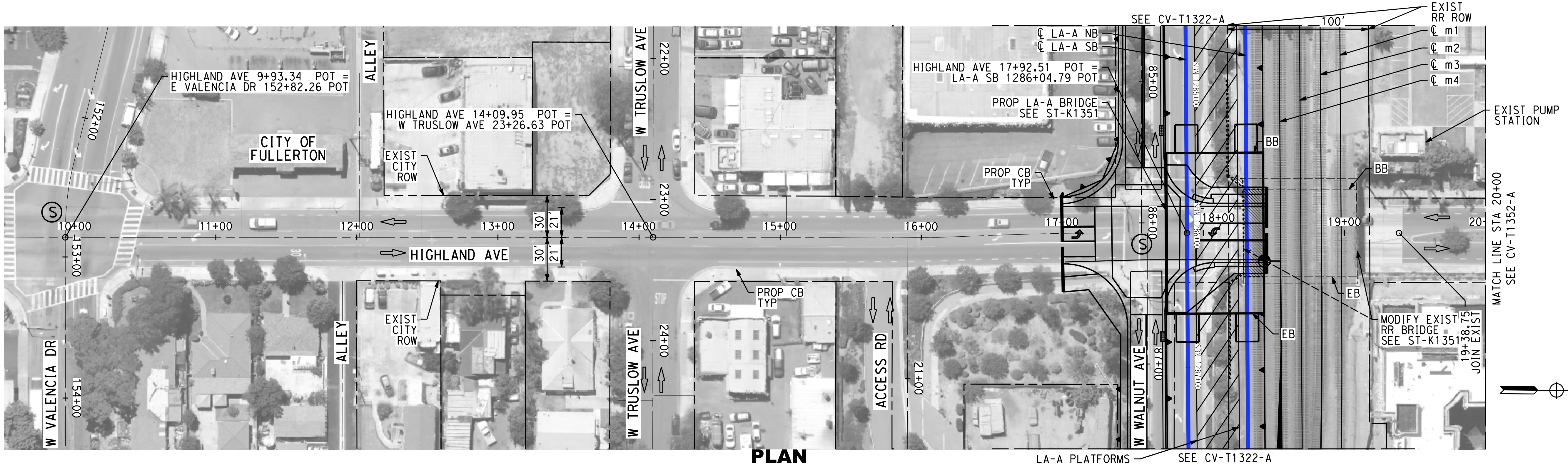
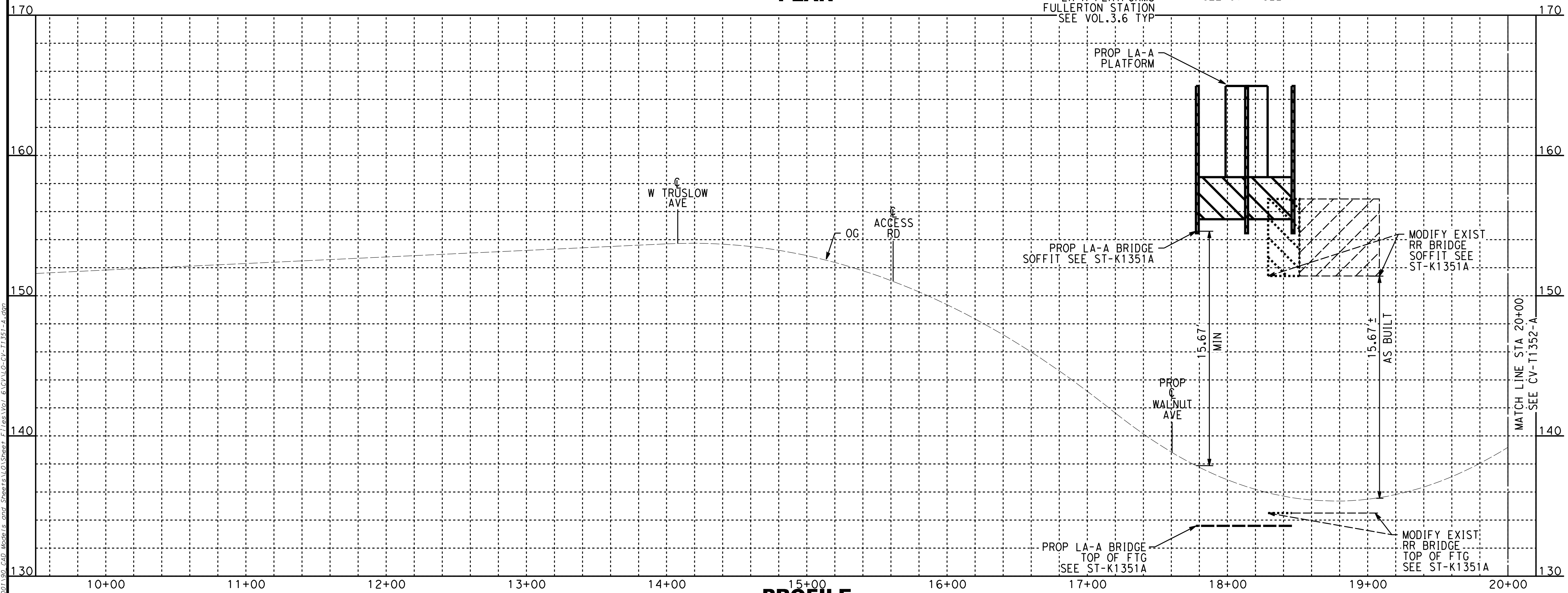
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3324-A
AS SHOWN



## PLAN



## PROFILE

NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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

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| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1351-A
SCALE
AS SHOWN
SHEET NO.

NOTES:

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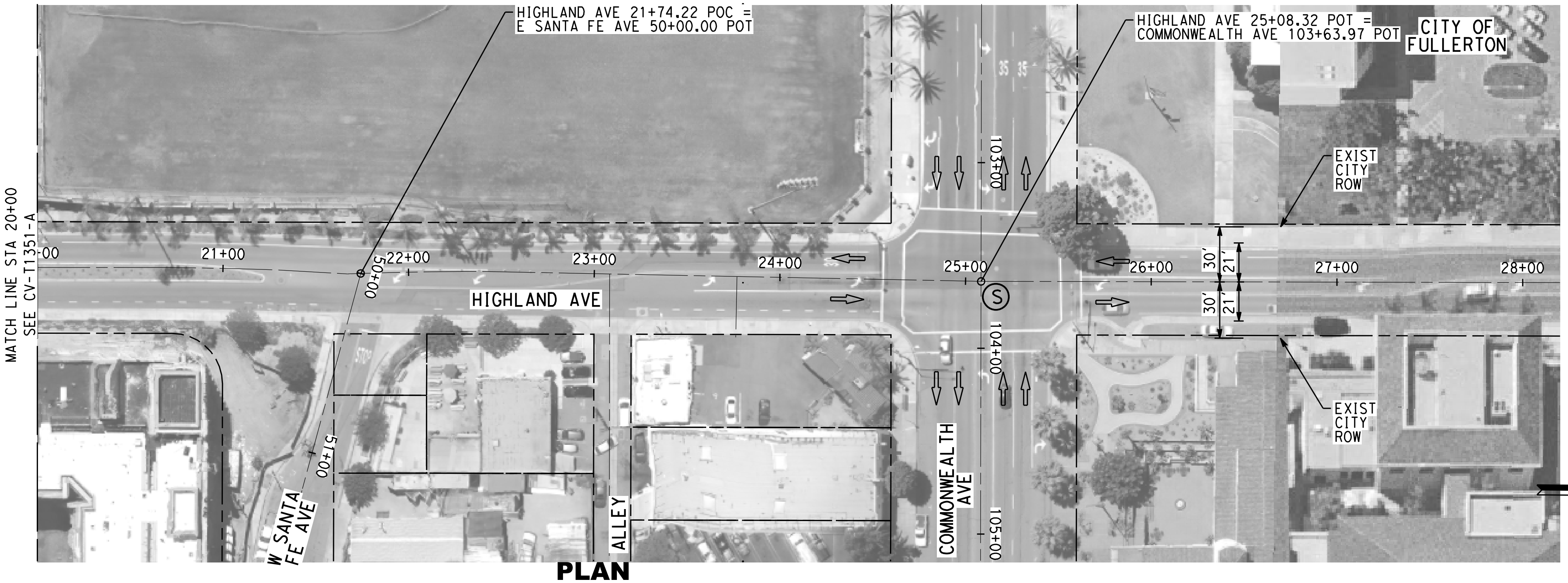
6. FOR STATION INFORMATION, SEE VOLUME 3.5.
7. FOR NON-PREFFERRED OPTIONS INFORMATION, SEE VOLUME 3.6.



## PLAN

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

40 0 40 80

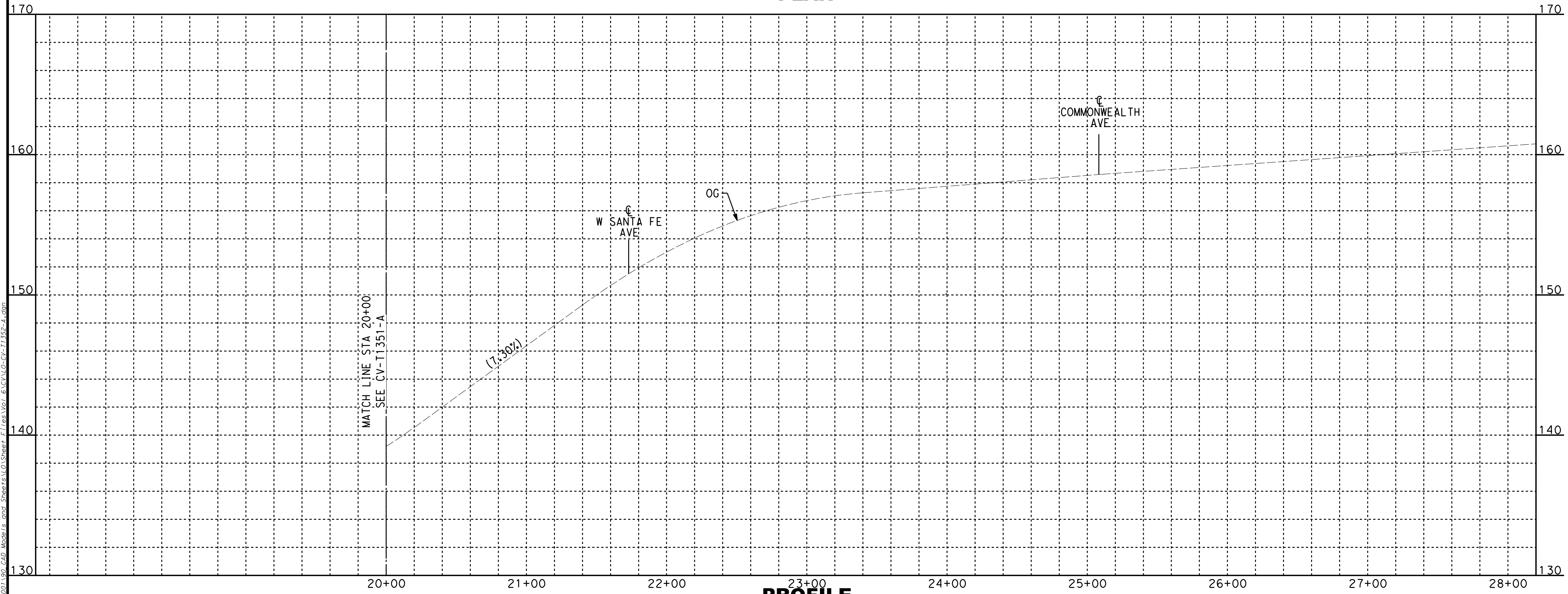
1"=40' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

4 0 4 8

1"=4' VERT

SCALE APPLICABLE FOR FULL SIZE ONLY



## PROFILE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY
A. CHIANG
DRAWN BY
A. CHIANG
CHECKED BY
A. BOSCH
IN CHARGE
J. SWANSON
DATE

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

**NOT FOR CONSTRUCTION**

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-T1352-A
SCALE
AS SHOWN
SHEET NO.

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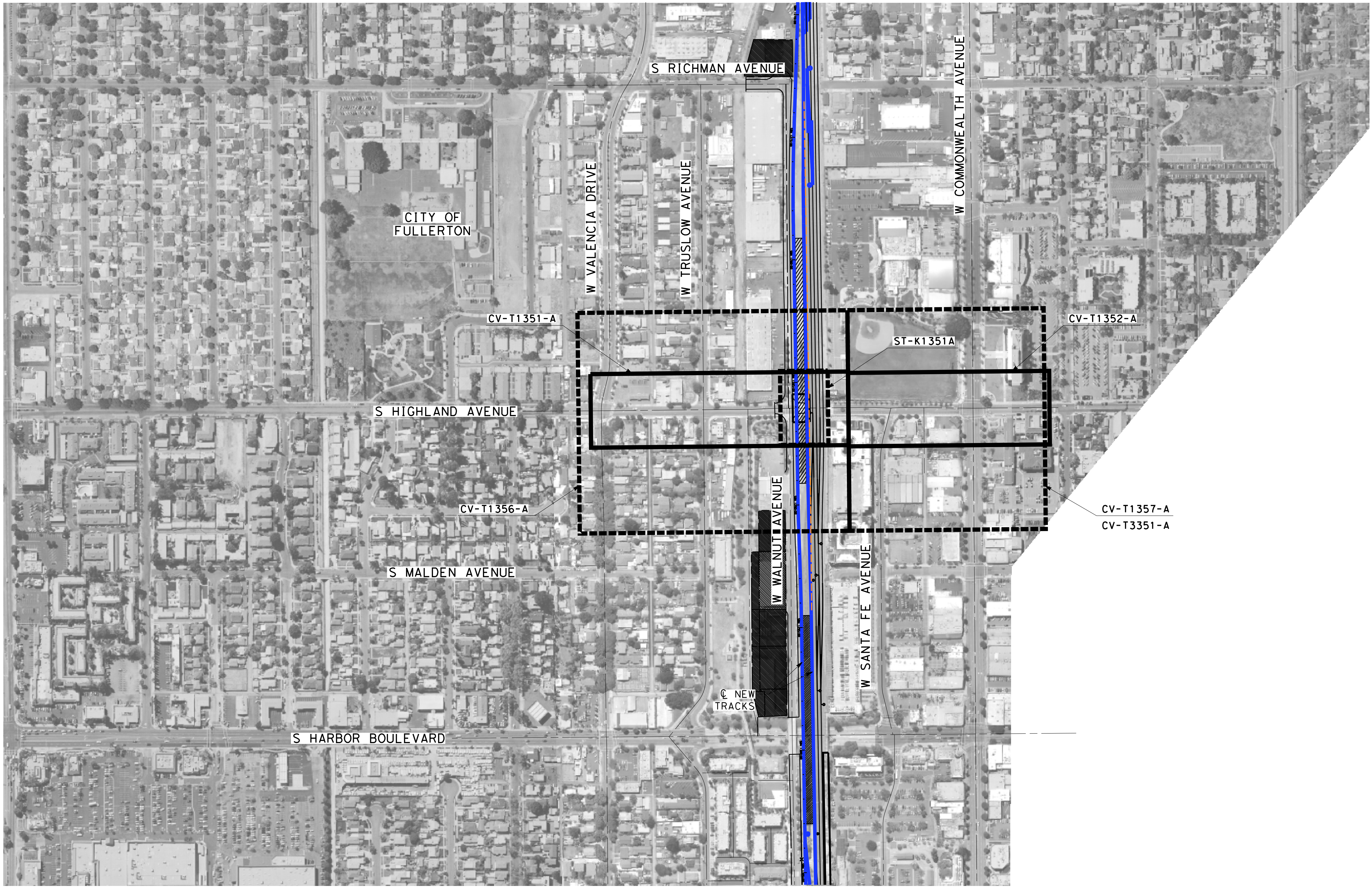

NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY M. MAMAWAL
DRAWN BY M. MAMAWAL
CHECKED BY J. SWANSON
IN CHARGE J. SWANSON
DATE

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

**NOT FOR CONSTRUCTION**

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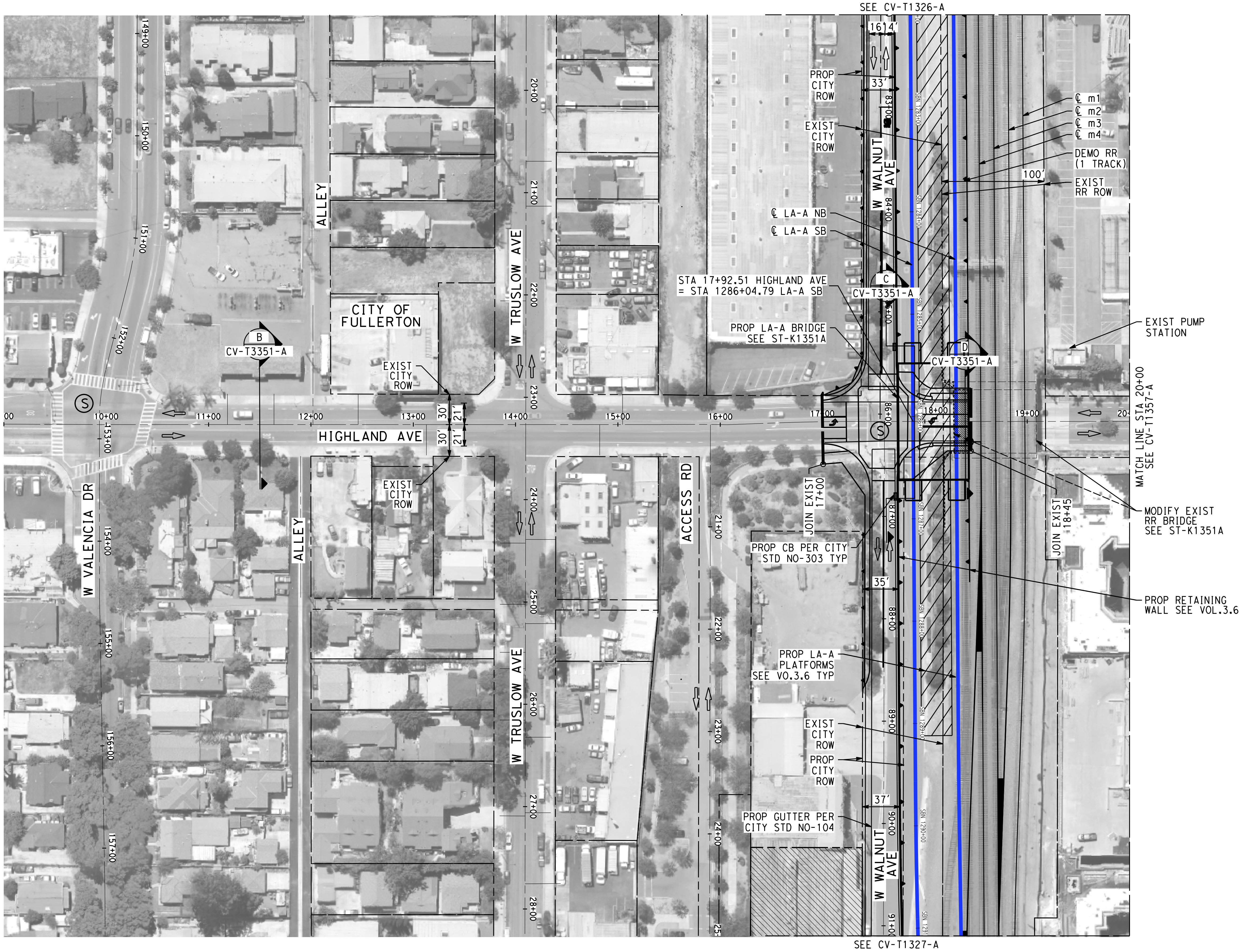
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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

$PLOT$



NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

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

| | |
|---|---|
| A. CHIANG | PEPD SUBMITTAL FOR INTERNAL USE ONLY |
| A. CHIANG | |
| A. BOSCH | NOT FOR CONSTRUCTION |
| J. SWANSON | |
| 08/29/25 | |

stv

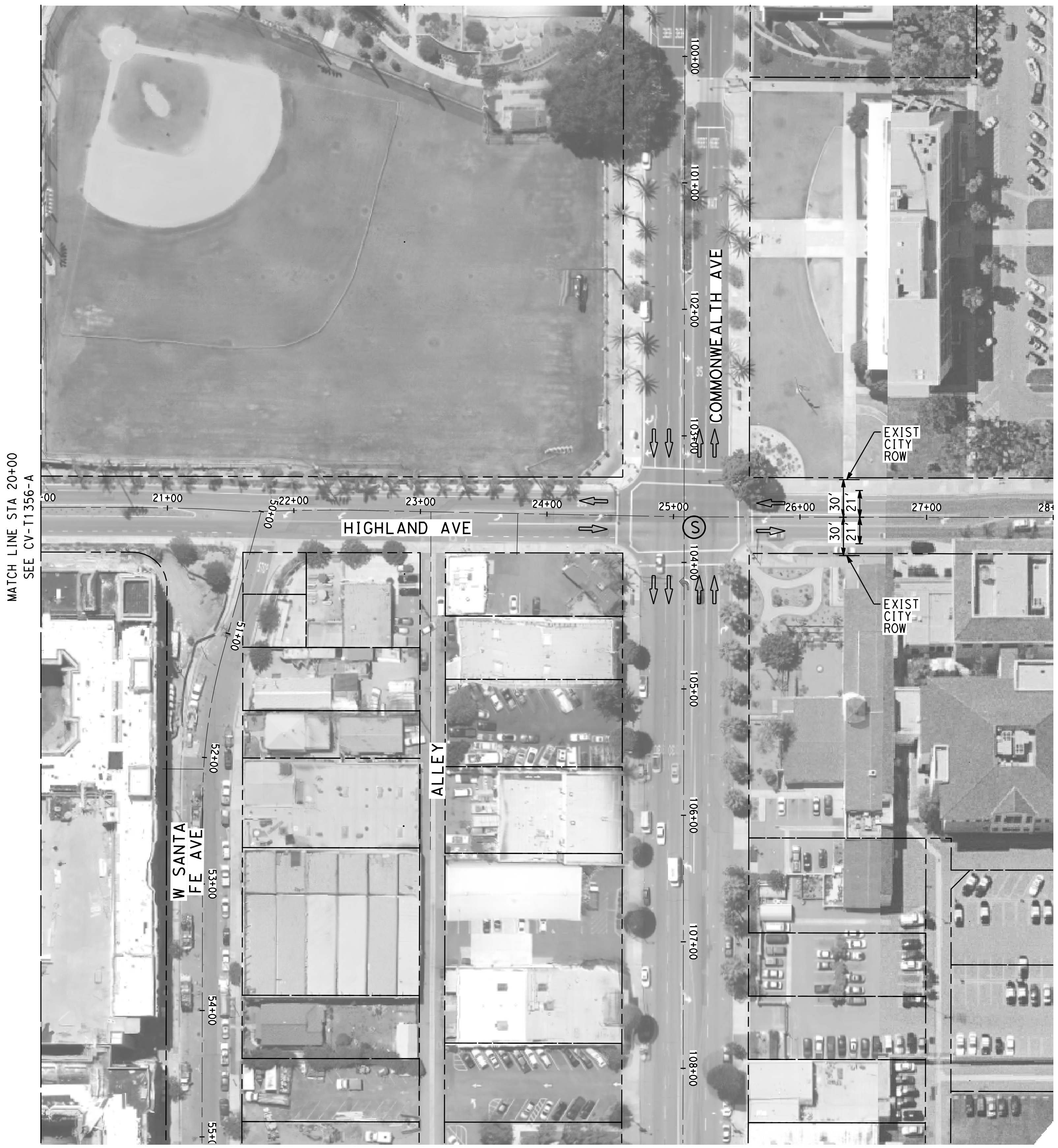
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T1356-A
AS SHOWN

NOTES:

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



NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

50 0 50 100

1"=50' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON

**PEPD SUBMITTAL FOR INTERNAL USE ONLY**

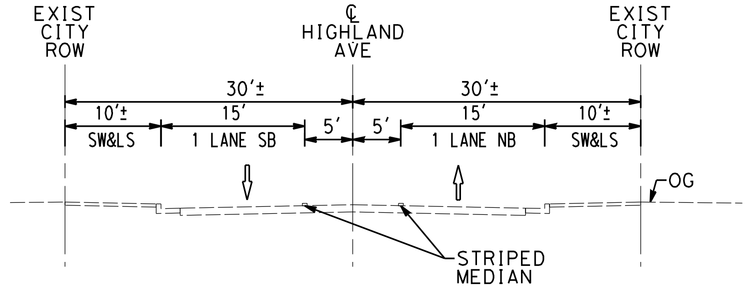
**NOT FOR CONSTRUCTION**

stv

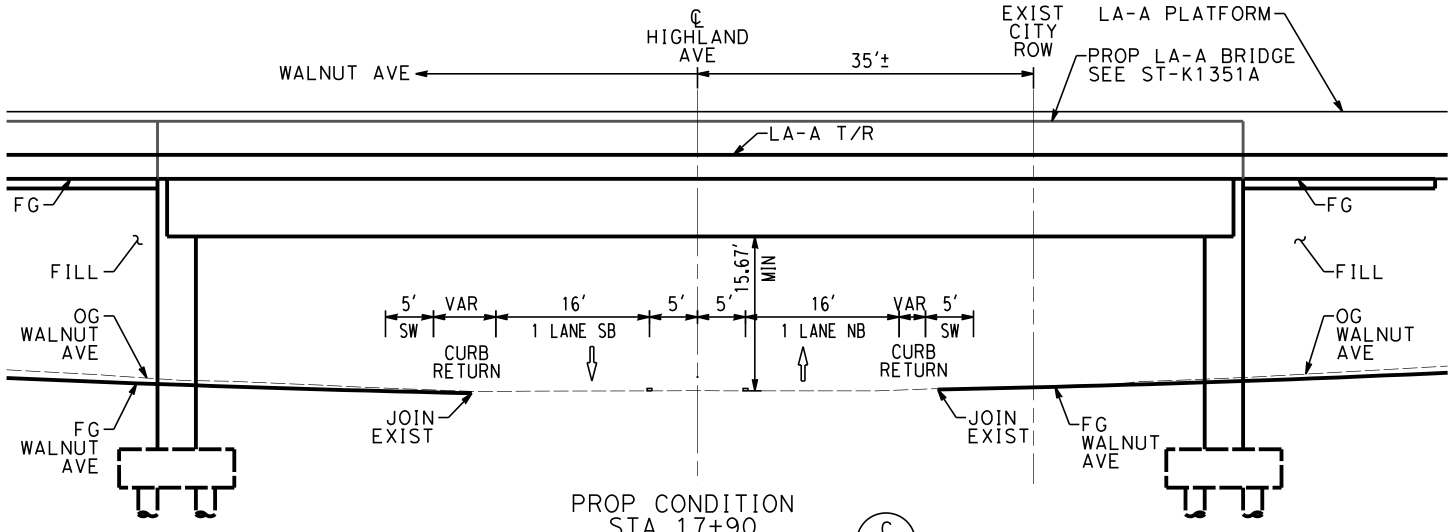
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

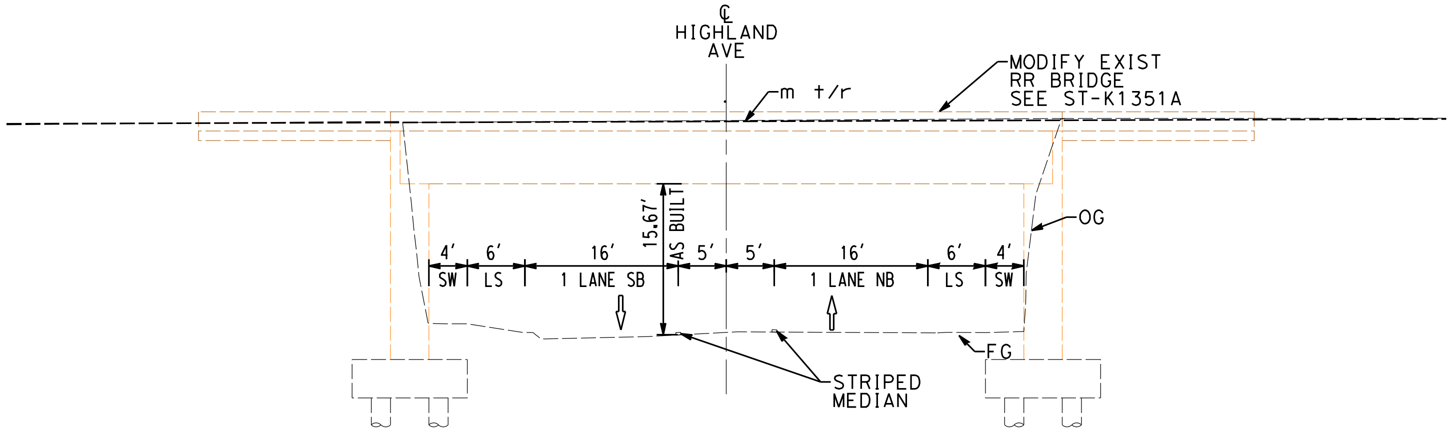
HSR06-0005
CV-T1357-A
AS SHOWN



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



PROP CONDITION
STA 17+90
CV-T1356-A AS SHOWN
C
-



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

NOTES:

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

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY

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

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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON

PEPD SUBMITTAL FOR INTERNAL USE ONLY

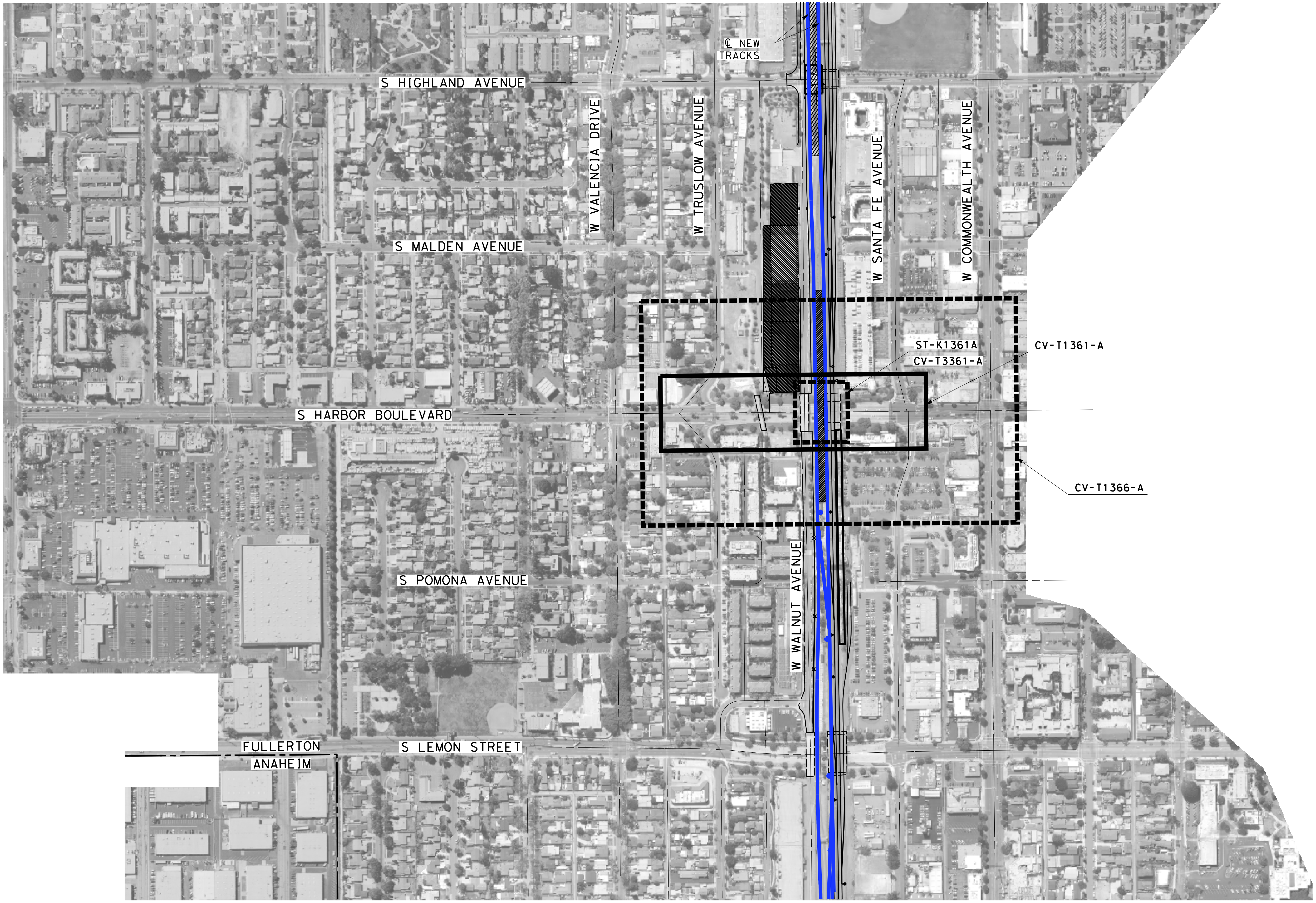
NOT FOR CONSTRUCTION

stv

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3351-A
AS SHOWN



NOTES:

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

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

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

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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

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

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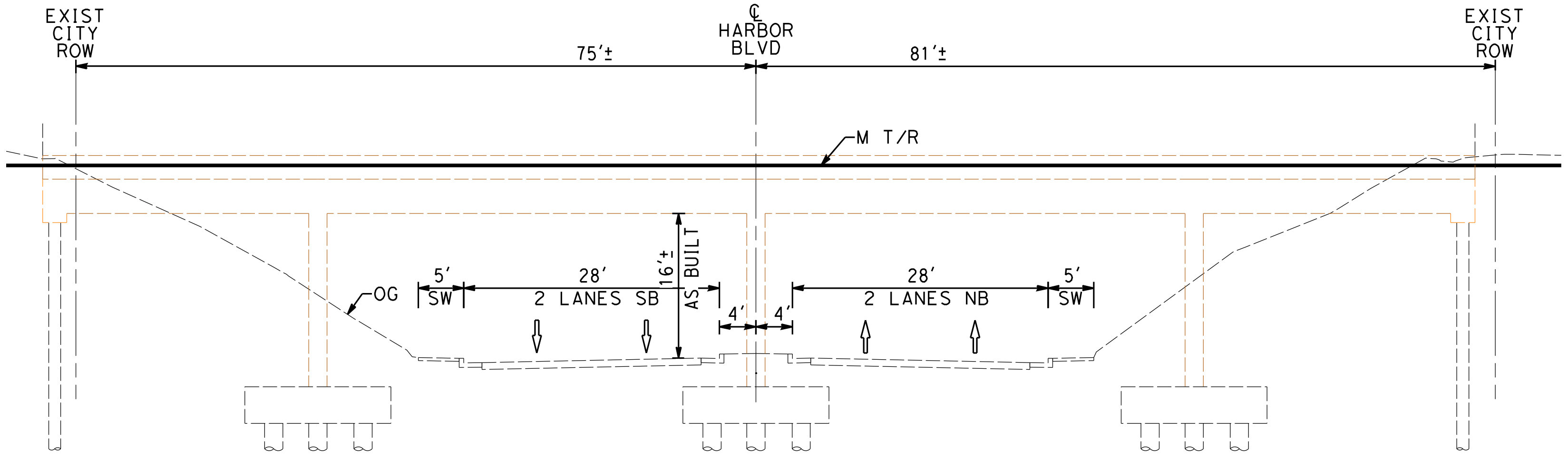

PROP CONDITION
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CV-T1366-A AS SHOWN
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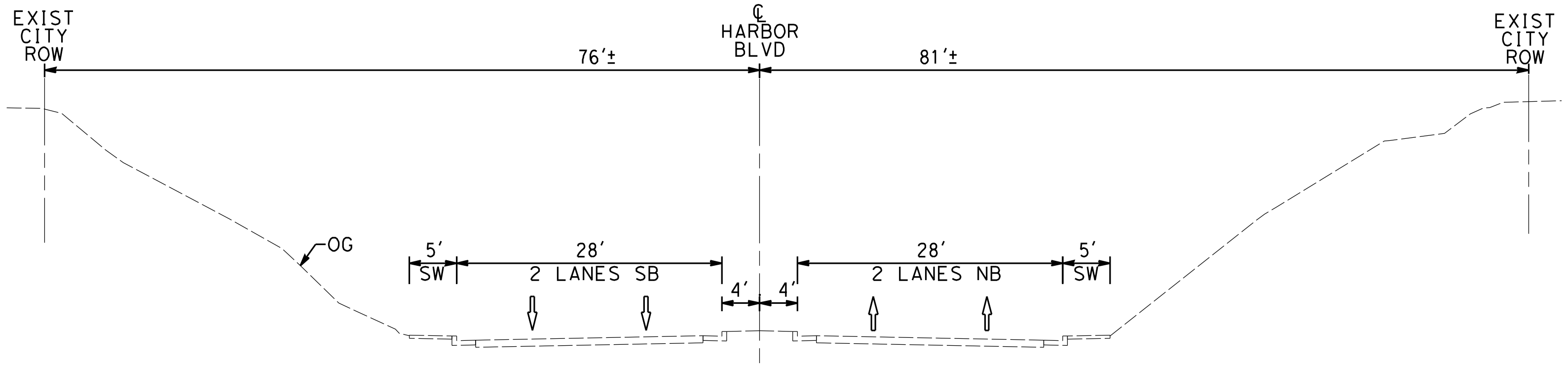

EXIST CONDITION
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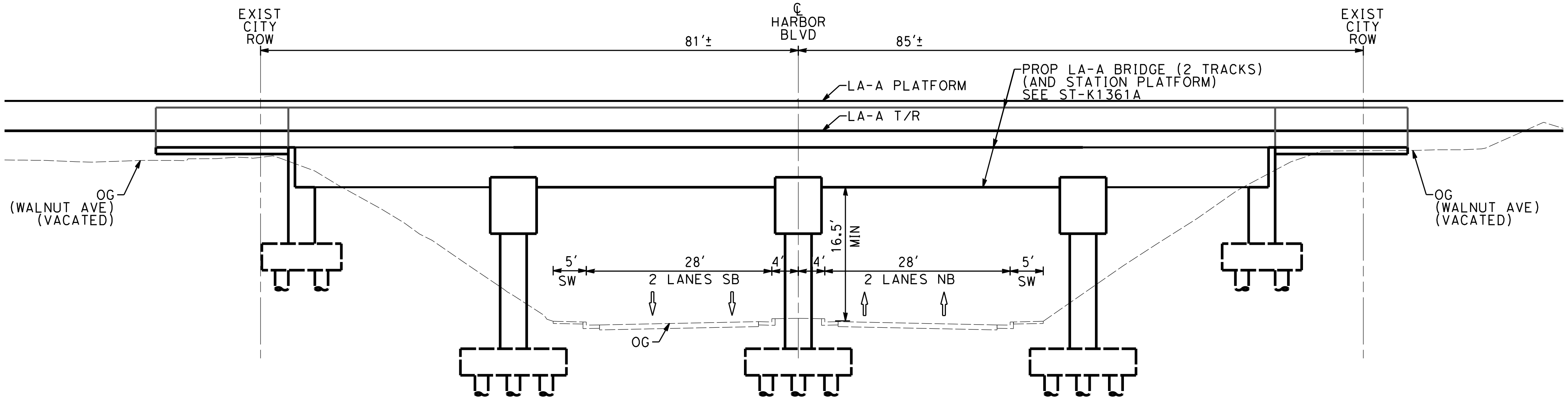

PROP CONDITION
STA 17+00
CV-T1366-A AS SHOWN
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-

NOTES:

1. FOR TRACK AND RIGHT-OF-WAY INFORMATION, SEE VOLUME 3.1.
2. FOR VIADUCT AND RETAINING WALL INFORMATION, SEE VOLUME 3.2.
3. FOR BRIDGE INFORMATION, SEE VOLUME 3.3.
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10 0 10 20
1"=10' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON

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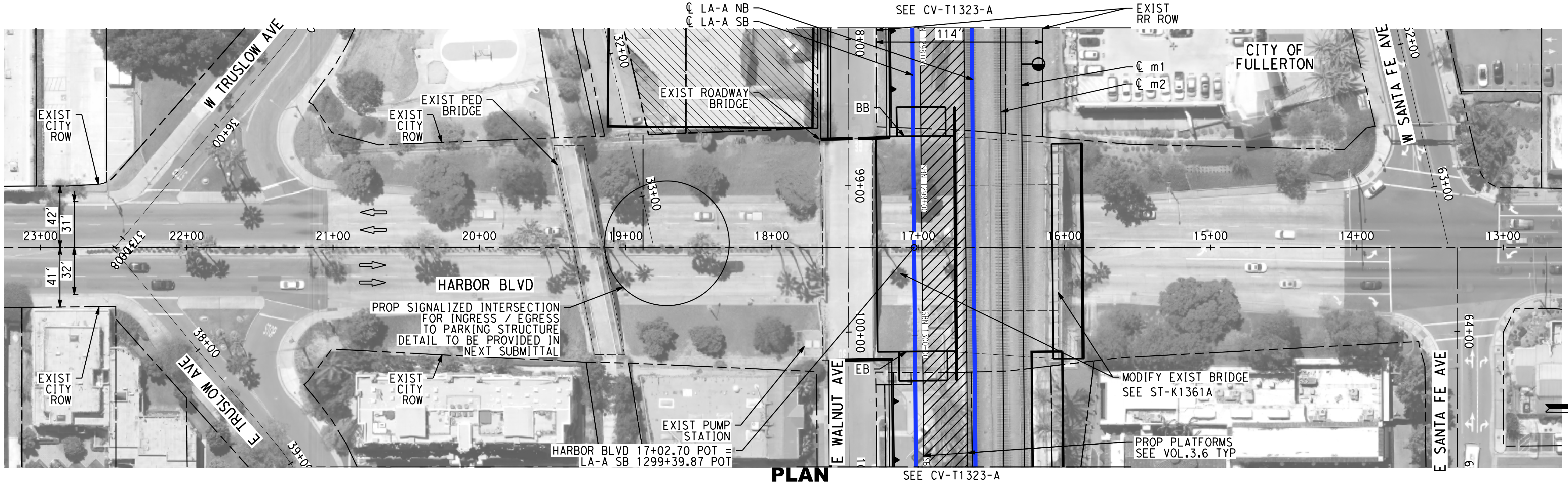
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T3361-A
AS SHOWN



**PLAN**

NOTES:

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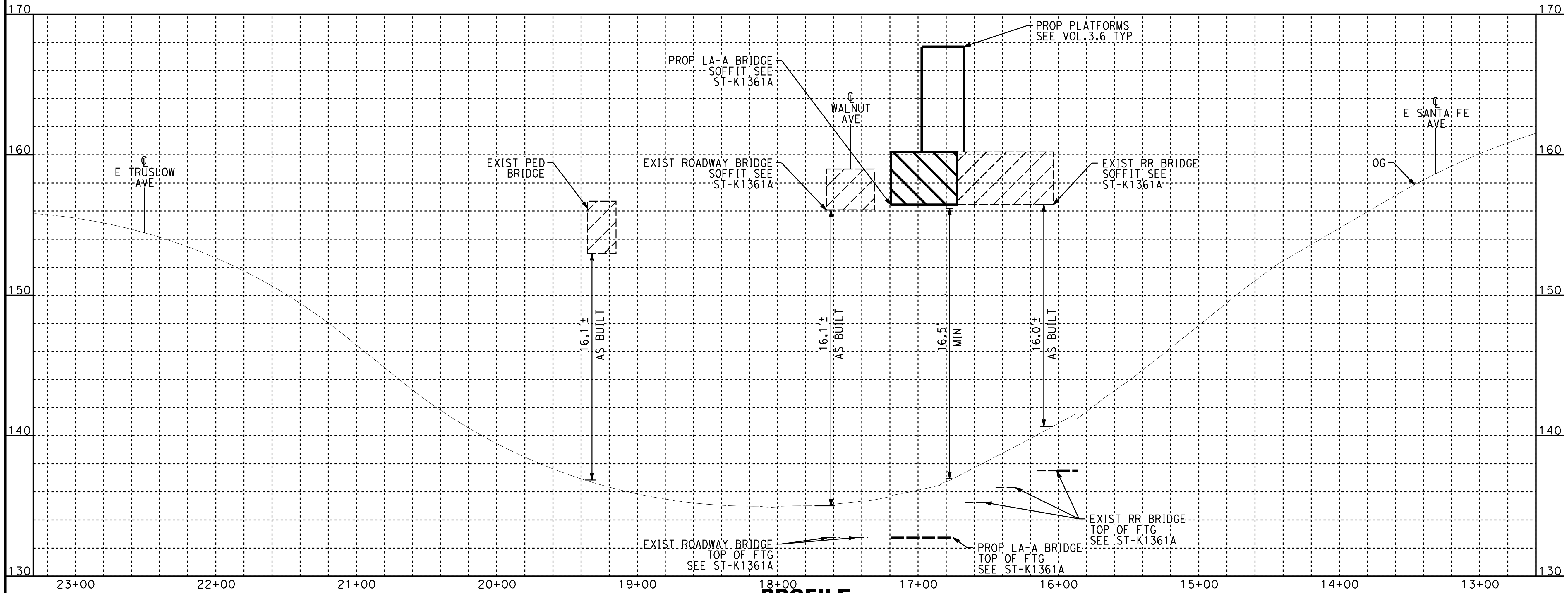
1"=4' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY


170
160
150
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130
PROP PLATFORMS SEE VOL.3.6 TYP
PROP LA-A BRIDGE SOFFIT SEE ST-K1361A
℄ WALNUT AVE
℄ E SANTA FE AVE
℄ E TRUSLOW AVE
OG
EXIST PED BRIDGE
EXIST ROADWAY BRIDGE SOFFIT SEE ST-K1361A
EXIST RR BRIDGE SOFFIT SEE ST-K1361A
16.1'± AS BUILT
16.1'± AS BUILT
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16.0'± AS BUILT
EXIST RR BRIDGE TOP OF FTG SEE ST-K1361A
EXIST ROADWAY BRIDGE TOP OF FTG SEE ST-K1361A
PROP LA-A BRIDGE TOP OF FTG SEE ST-K1361A
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13+00

**PROFILE**

A. CHIANG
A. CHIANG
A. BOSCH
J. SWANSON
08/29/25

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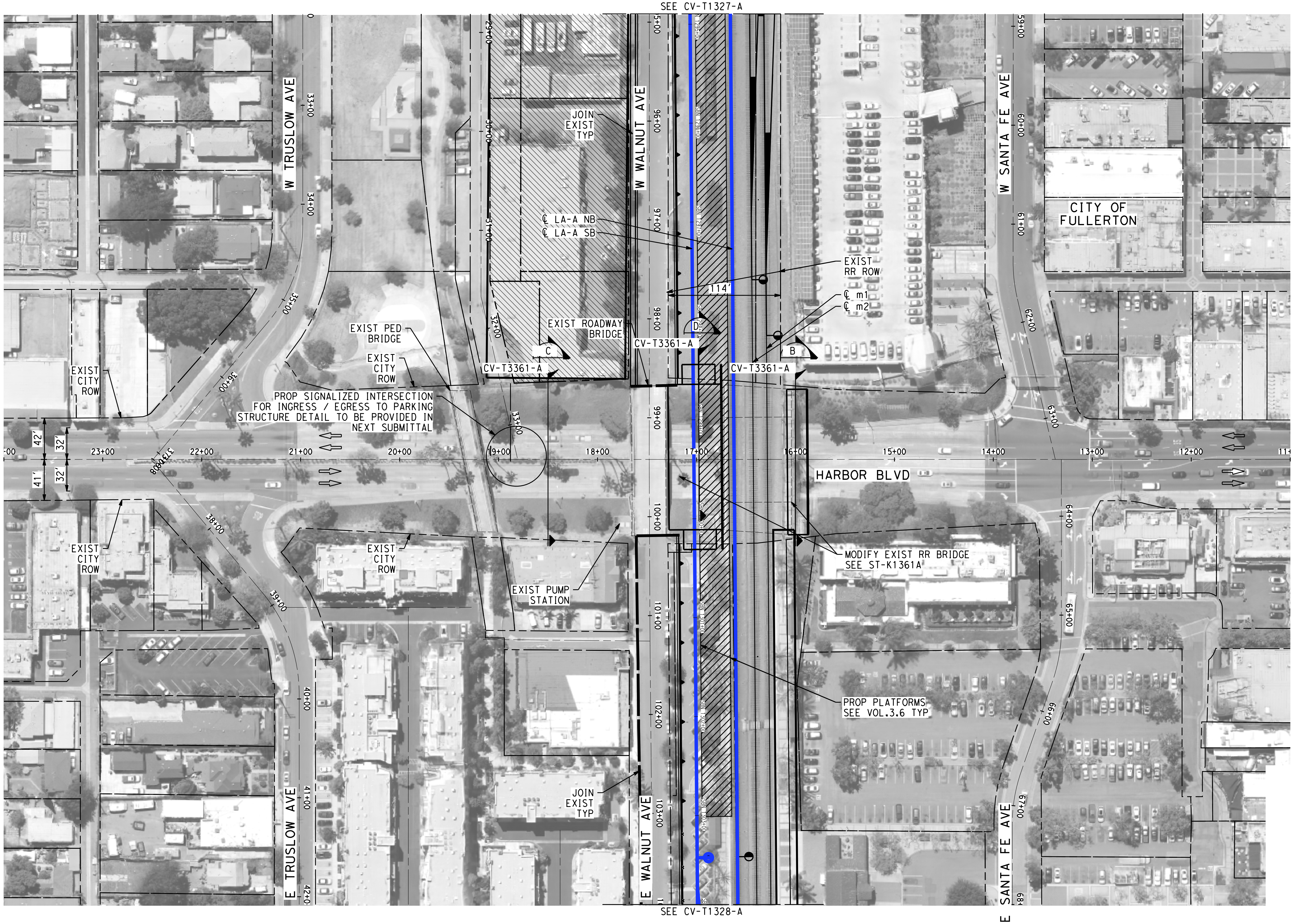
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T1361-A
AS SHOWN



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

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

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HSR06-0005
CV-T1366-A
AS SHOWN

|  | No | Program Facility | Assumptions/Equation (Chapter 14 March 2016 Revision 2) | Required Area | Minimum Required Width/Linear Feet (lf) | Queuing Distance (lf) | Designed Area | HSR Project Design Criteria Chapter 14: Stations |
|---|---|---|---|---|---|---|---|---|
| **Station Public Areas** |  | **Unpaid Area** |  |  |  |  |  |  |
|  | 1 | Waiting Area | None |  |  |  | 1,609 | 14.3.5.3.C - Public Waiting Areas |
|  | 2 | Public Restrooms (Male/Female) | Based on CBC for Group A-3 Occupancy | 570 |  |  | 644 | 14.3.5.4 - Public Restrooms |
|  | 3 | Public Restrooms (Unisex) | 64 sf minimum per restroom | 64 |  |  | 95 | 14.3.5.4 - Public Restrooms |
|  | 4 | Public Amenity (Commercial) Space | Less than 5k = 3,000 sf; 5k-10k = 6,000 sf; More than 10k = 9,000 sf | 6,000 |  |  | 6,007 | 14.3.5.5 - Passenger Amenity Spaces |
|  | 5 | Fare Gates (Queuing Area) | P1b/50ppm x ((number of faregates -1x3) + (1 faregate x 4)) x 20 liner feet | 80 |  | 20 lf | 320 | 14.3.5.6.E - Fare Gates |
|  | 6 | Ticket Vending Machines (Incl. Queuing Area) | Provided to meet peak passenger demand | 136 |  | 8 lf | 220 | 14.3.5.6.C - Ticket Vending Machines |
|  | 7 | Ticket Sales Office | 75 sf x each ticket window (windows required dependent on ridership) | 150 |  |  | 158 | 14.3.5.6.B - Ticket Office Window |
|  | 8 | Ticket Sales Windows (Queuing Area) | Ticket Windows x 5 linear feet in width (each) x queuing distance | 200 |  | 20 lf | 200 | 14.3.3.1.B - Queuing Space |
|  | 9 | Passenger Information Counter | 100 sf minimum | 100 |  |  | 102 | 14.3.5.7.B - Passenger Information Counter |
|  | 10 | Business Lounge | 600 sf minimum without Restrooms | 600 |  |  | 1,292 | 14.3.5.7.C - Business Lounge |
|  | 11 | Vertical Transportation - Elevators | Elevator for Business Lounge access | 242 |  |  | 242 | 14.3.3.3.E - Passenger Elevators |
|  | 12 | Vertical Transportation - Stairs/Escalators/Ramps |  | 480 |  |  | 6,631 | 14.3.3.3.B and 14.3.3.3.C - Escalators and Stairs |
|  | 13 | Vertical Transportation - Elevators (Queuing Area) | Table 14-5 | 160 |  | 8 lf | 160 | 14.3.3.1.B - Queuing Space |
|  | 14 | Vertical Transportation - Stairs/Escalators/Ramps (Queuing Area) | Table 14-5 | 240 |  | 15 lf | 1,170 | 14.3.3.1.B - Queuing Space |
|  | 15 | Pedestrian Bridge/Pedestrian Passageway Circulation | CHSTP Ridership in accordance with NFPA 130 |  |  |  | 6,880 |  |
|  | 16 | Circulation | CHSTP Ridership in accordance with NFPA 130 |  | 16 lf |  | 1,432 | 14.3.3.2 - Horizontal Circulation |
|  |  | *Subtotal* |  |  |  |  | *27,162* |  |
|  |  | **Paid Area** |  |  |  |  |  |  |
|  | 17 | Fare Gates (Queuing Area) | P1b/50ppm x 20 linear feet | 140 |  | 20 lf | 840 | 14.3.5.6.E - Fare Gates |
|  | 18 | Value Added Machines (Including Queuing Area) | 3.4' width x 8 linear feet x # VAMs | 54 |  |  | 270 | 14.3.5.6.D - Value Added Machines (VAMs) |
|  | 19 | Vertical Transportation - Elevators | 2 Elevators per platform and level | 480 |  |  | 484 | 14.3.3.3.E - Passenger Elevators |
|  | 20 | Vertical Transportation - Stairs/Escalators |  | 1,200 |  |  | 1,200 | 14.3.3.3.B and 14.3.3.3.C - Escalators and Stairs |
|  | 21 | Vertical Transportation - Elevators (Queuing Area) | Table 14-5 | 320 |  | 8 lf | 352 | 14.3.3.1.B - Queuing Space |
|  | 22 | Vertical Transportation - Stairs/Escalators (Queuing Area) | Table 14-5 | 540 |  | 15 lf | 540 | 14.3.3.1.B - Queuing Space |
|  | 23 | Circulation | CHSTP Ridership in accordance with NFPA 130 |  | 16 lf |  | 3,198 | 14.3.3.2 - Horizontal Circulation |
|  |  | *Subtotal* |  |  |  |  | *6,884* |  |
|  |  | **Platform** |  |  |  |  |  |  |
|  | 24 | Platform Area (Per Platform) | Max Length = 800 lf due to engineering/site constraints ; Min Width = 20 lf | 32,660 | 20 lf |  | 32,660 | 14.3.2.2 - Platform Planning |
|  |  | *Subtotal* |  |  |  |  | *32,660* |  |

Table continued on next page

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DESIGNED BY
A. MALEITZKE
DRAWN BY
R. KUCINSKI
CHECKED BY
E. CARBREY
IN CHARGE
J. SWANSON
DATE
02/28/25

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
FULLERTON STATION
PROGRAM SCHEDULE 1 OF 3

CONTRACT NO.
HSR06-0005
DRAWING NO.
AR-Y9701A
SCALE
1" = 100'
SHEET NO.

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|  | No | Program Facility | Assumptions/Equation (Chapter 14 March 2016 Revision 2) | Required Area | Minimum Required Width/Linear Feet (lf) | Queuing Distance (lf) | Designed Area | HSR Project Design Criteria Chapter 14: Stations |
|---|---|---|---|---|---|---|---|---|
| **Non-Public Station Support Areas** |  | **Non-Public Station Administrative Staff Support Services Facilities** |  |  |  |  |  |  |
|  | 25 | Station Managers Office | 270 sf minimum | 270 |  |  | 271 | 14.3.6.1.A - Station Managers Office |
|  | 26 | Station Administrative Offices | Size as Required |  |  |  | 574 | 14.3.6.1.B - Station Administration Office |
|  | 27 | Facility Maintenance Office | 330 sf minimum | 330 |  |  | 346 | 14.3.6.1.C - Facility Maintenance Office |
|  | 28 | Transportation Agency Offices | Requested by local agencies |  |  |  | 621 | 14.3.6.1.D - Transportation Agency Offices |
|  | 29 | Lost and Found | 80 sf minimum | 80 |  |  | 83 | 14.3.6.1.E - Lost and Found |
|  | 30 | First Aid Room | 80 sf minimum | 80 |  |  | 81 | 14.3.6.1.F - First Aid Room |
|  | 31 | Staff Break Room | 200 sf minimum or 25 sf per staff typical shift | 200 |  |  | 248 | 14.3.6.1.G - Staff Break Room |
|  | 32 | Training and Meeting Room | 200 sf minimum or 25 sf per staff typical shift | 200 |  |  | 248 | 14.3.6.1.H - Training and Meeting Room |
|  | 33 | Staff Locker Room | Size as Required |  |  |  | 2,045 | 14.3.6.1.I - Staff Locker Rooms |
|  | 34 | Staff Restrooms (Male/Female) | Accordance with CBC | 510 |  |  | 926 | 14.3.6.1.J - Staff Restrooms |
|  | 35 | Circulation/Hallways | Per CBC |  | 3'-8" lf |  | 485 | 14.3.3.2.F - Non-Public Corridors |
|  |  | *Subtotal* |  |  |  |  | *5,928* |  |
|  |  | **Non-Public Secure Station Staff Support Services Facilities** |  |  |  |  |  |  |
|  | 36 | Police Office | 500 sf minimum | 500 |  |  | 520 | 14.3.6.2.A - Police Office |
|  | 37 | Security Guard Office | 144 sf minimum | 144 |  |  | 162 | 14.3.6.2.B - Security Guard Office |
|  | 38 | Ticket Administration Office | 75 sf per ticket window, 2 windows min. | 150 |  |  | 158 | 14.3.6.2.C - Ticket Administration Office |
|  | 39 | Cash Handling and Ticket Storage Room | 260 sf minimum | 260 |  |  | 260 | 14.3.6.2.D - Cash Handling and Ticket Storage Room |
|  | 40 | Station Control Room (SCR) | 1,100 sf minimum | 1,100 |  |  | 1,100 | 14.3.6.2.E - Station Control Room (SCR) |
|  | 41 | Station Computer Rooms | 500 sf each, 2 required | 1,000 |  |  | 1,046 | 14.3.6.2.F - Station Computer Rooms |
|  | 42 | Temporary Command Post (CP) | 300 sf minimum | 300 |  |  | 304 | 14.3.6.2.G - Temporary Command Post (CP) |
|  | 43 | Stations Operations Room (SOR) | 1.100 sf minimum | 1,100 |  |  | 1,100 | 14.3.6.2.H - Stations Operations Room (SOR) |
|  | 44 | Operation Management Booth (OMB) | 100 sf per platform | 200 |  |  | 200 | 14.3.6.2.I - Operation Management Booth |
|  | 45 | Secured Circulation/Hallways | Per CBC |  | 3'-8" lf |  | 1,340 | 14.3.6.2 |
|  |  | *Subtotal* |  |  |  |  | *6,190* |  |
| **Station Ancillary Facilities** |  | **Maintenance Support Spaces** |  |  |  |  |  |  |
|  | 46 | Main Station Recycling / Refuse Storage Facility | 150 sf minimum | 150 |  |  | 150 | 14.3.7.1.A - Main Station Recycling / Refuse Storage Facility |
|  | 47 | Secondary Station Recycling / Refuse Storage Facility | 100 sf minimum | 100 |  |  | 101 | 14.3.7.1.B - Secondary Station Recycling / Refuse Storage Facility |
|  | 48 | Janitor's Closet | 60 sf each x 4 | 240 |  |  | 339 | 14.3.7.1.C - Janitor's Closet |
|  | 49 | Station General Storage Rooms | 200 sf + 60 sf for misc. storage spaces | 260 |  |  | 336 | 14.3.7.1.D - Station General Storage Rooms |
|  | 50 | Landscape Maintenance Room | 100 sf minimum | 100 |  |  | 105 | 14.3.7.1.E - Landscape Maintenance Room |
|  | 51 | Loading Zone | Sized as appropriate |  |  |  | 217 | 14.3.7.1.F - Loading Zone |
|  | 52 | Loading Dock | Sized as appropriate |  |  |  | 195 | 14.3.7.1.G - Loading Dock |
|  | 53 | Service Access | Sized as appropriate |  |  |  | 466 | 14.3.7.1.H - Service Access |
|  |  | *Subtotal* |  |  |  |  | *1,909* |  |
|  |  | **Building Services and Plant Rooms** |  |  |  |  |  |  |
|  | 54 | Environmental Control | Sized by Designer |  |  |  | 250 | 14.3.7.2.A - Environmental Control |
|  | 55 | Electric System | 10,000 sf Substation + 1,100 sf Station | 11,100 |  |  | 11,120 | 14.3.7.2.B - Electric System |
|  | 56 | Fire Protection | Sized by Designer |  |  |  | 150 | 14.3.7.2.C- Fire Protection |
|  | 57 | Plumbing and Drainage | Sized by Designer |  |  |  | 150 | 14.3.7.2.D- Plumbing and Drainage |
|  | 58 | CHST Core Systems Spaces | See Table 14-8 | 2,405 |  |  | 2,414 | 14.3.7.2.E- CHST Core Systems Spaces |
|  | 59 | Circulation/Hallways | Per CBC |  | 3'-8" lf |  | 1,340 | 14.3.6.2 |
|  |  | *Subtotal* |  |  |  |  | *15,424* |  |

Table continued on next page

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DESIGNED BY A. MALEITZKE
DRAWN BY R. KUCINSKI
CHECKED BY E. CARBREY
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
FULLERTON STATION
PROGRAM SCHEDULE 2 OF 3

CONTRACT NO. HSR06-0005
DRAWING NO. AR-Y9702A
SCALE 1" = 100'
SHEET NO.

|  | No | Program Facility | Assumptions/Equation (Chapter 14 March 2016 Revision 2) | Required Area | Minimum Required Width/Linear Feet (lf) | Queuing Distance (lf) | Designed Area | HSR Project Design Criteria Chapter 14: Stations |
|---|---|---|---|---|---|---|---|---|
|  |  | **Ingress/Egress Circulation** |  |  |  |  |  |  |
| **Transportation** | 60 | Parking | ModeShare Summary 6-21-16 | See Below |  |  | See Below |  |
|  | 61 | Pick-Up/Drop-Off | ModeShare Summary 6-21-16 | See Below |  |  | See Below |  |
|  | 62 | Bus Bays | ModeShare Summary 6-21-16 | See Below |  |  | See Below |  |
|  | 63 | Roads/Circulation | Sized by Designer | See Below |  |  | See Below |  |
|  |  | *Subtotal* |  |  |  |  |  |  |
|  |  | ***Station Program Subtotal*** |  |  |  |  | ***96,157*** |  |
|  |  | ***Walls and Structure*** | Assumed 25% Grossing Factor of Total Program Area sf |  |  |  | ***24,039*** |  |
|  |  | **Station Total** |  |  |  |  | **120,196** |  |

## Parking and Pick-up/Drop-Off Uses

| **Parking** |  |  |  |  |  |
|---|---|---|---|---|---|
|  | Facility | Type | 2029 Quantity | 2040 Quantity | Unit |
| HSR | P1 | Structure | 940 | 0 | stalls (9'x18') |
| Metrolink/Amtrak Replacement |  |  | 230 | 0 |  |
| Public On-Street Replacement |  |  | 67 | 0 |  |
| Restaurant |  |  | 105 | 0 |  |
| TOTAL |  |  | **1,342** |  | **stalls** |
|  |  |  | **1.86[1]** |  | **acres** |
| **Pick-up/Drop-off** |  |  |  |  |  |
| HSR Dedicated |  |  | 33 |  | bays (8'x20') |
| TOTAL |  |  | **33** |  | **bays** |
|  |  |  | **23,107[2]** |  | **sf. ft.** |

[1] The total parking area also includes the parking access roads, sidewalks, and landscaping areas.

[2] The total area includes the stalls, buffer lanes (adjacent to traffic lane), adjacent sidewalk and access roads.

## Station Entry Plazas and Transit Plazas

| **Program Facility** | **Required Area** | **Designed Area** | **HSR Design Criteria Chapter 14** |
|---|---|---|---|
| Station Entry Plaza | Varies per Site | **35,100 sq. ft.** | 14.4.4.8 Station Entry Plazas |
| Transit Plaza | Varies per Site | **3,650 sq. ft.** | 14.4.2.4 Transit Planning Principles |
| **TOTAL PLAZA** |  | **38,750 sq. ft.** |  |

Note: All Plaza areas include main and secondary plazas per the proposed general and detailed site plans.

## Ridership Estimates

|  |  |  |
|---|---|---|
| Daily Boardings per CHSRA 2016 Business Plan | **2029** | 3,900 |
|  | **2040** | 8,100 |

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CONTRACT NO. HSR06-0005
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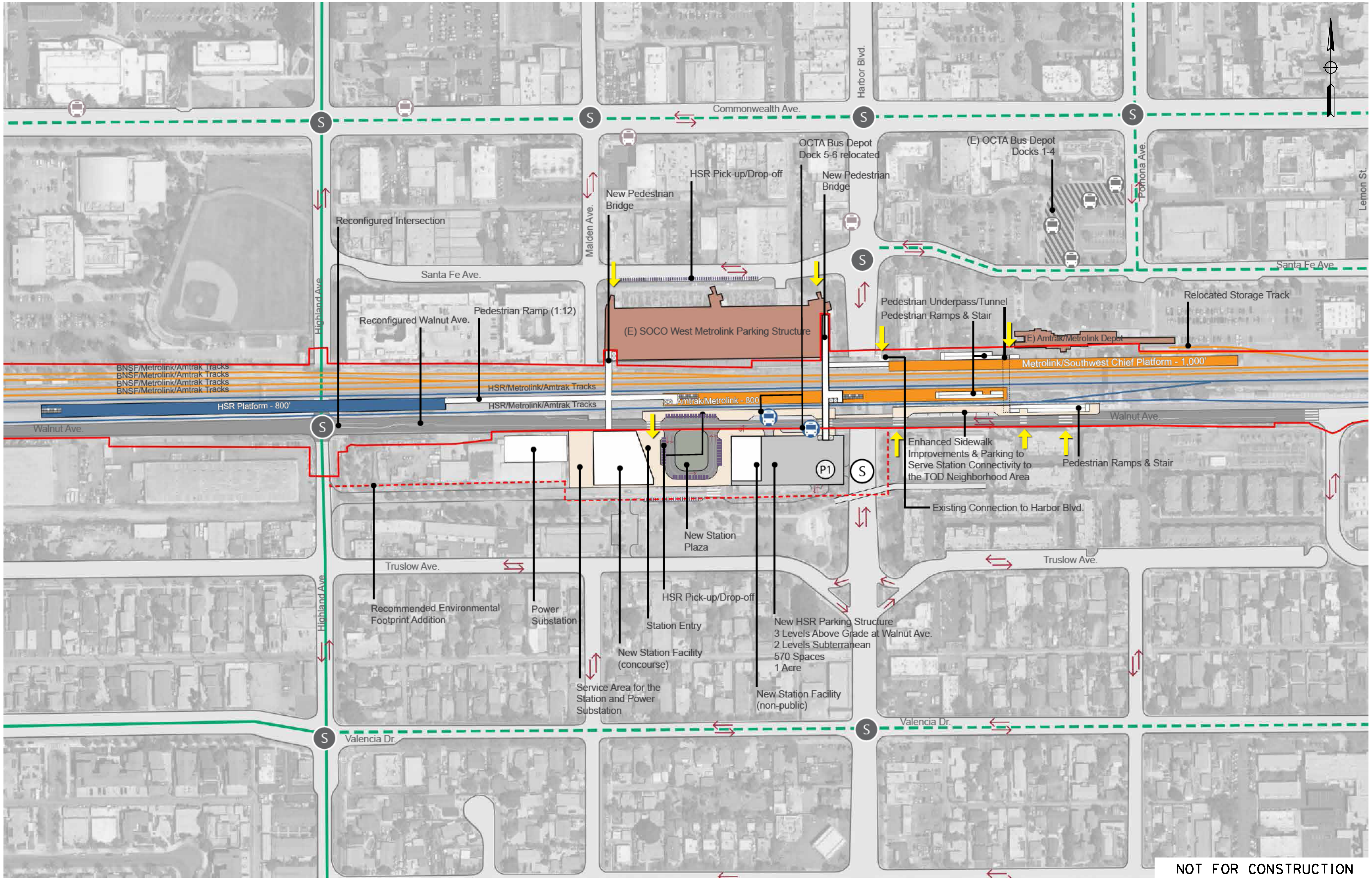

Commonwealth Ave.
Harbor Blvd.
Santa Fe Ave.
Santa Fe Ave.
Malden Ave.
Pomona Ave.
Lemon St.
Highland Ave.
Highland Ave.
Walnut Ave.
Walnut Ave.
Truslow Ave.
Truslow Ave.
Valencia Dr.
Valencia Dr.
Reconfigured Intersection
New Pedestrian Bridge
HSR Pick-up/Drop-off
OCTA Bus Depot Dock 5-6 relocated
New Pedestrian Bridge
(E) OCTA Bus Depot Docks 1-4
Reconfigured Walnut Ave.
Pedestrian Ramp (1:12)
(E) SOCO West Metrolink Parking Structure
Pedestrian Underpass/Tunnel
Pedestrian Ramps & Stair
Relocated Storage Track
(E) Amtrak/Metrolink Depot
Metrolink/Southwest Chief Platform - 1,000'
BNSF/Metrolink/Amtrak Tracks
BNSF/Metrolink/Amtrak Tracks
BNSF/Metrolink/Amtrak Tracks
BNSF/Metrolink/Amtrak Tracks
HSR/Metrolink/Amtrak Tracks
HSR/Metrolink/Amtrak Tracks
HSR Platform - 800'
Amtrak/Metrolink - 800'
S
P1
Enhanced Sidewalk Improvements & Parking to Serve Station Connectivity to the TOD Neighborhood Area
Pedestrian Ramps & Stair
Existing Connection to Harbor Blvd.
New Station Plaza
Recommended Environmental Footprint Addition
Power Substation
HSR Pick-up/Drop-off
Station Entry
New Station Facility (concourse)
Service Area for the Station and Power Substation
New HSR Parking Structure 3 Levels Above Grade at Walnut Ave. 2 Levels Subterranean 570 Spaces 1 Acre
New Station Facility (non-public)

LEGEND

Note: (E) annotation indicates existing facilities

| | |
|---|---|
| ☐ | Environmental Footprint |
| ■ | HSR Tracks and Platform |
| ☐ | New Station Facilities |
| ■ | Non-HSR Tracks & Platforms |
| ■ | (E) Existing Transit Facilities |
| ━ | Existing Bicycle Facilities |
| ╍ | Proposed Bicycle Facilities |
| ● | (E) On-Street Transit Stop |
| ● | (E) OCTA Bus Depot Docks |
| ● | Proposed Transit Stop |
| ▨ | (E)Transit Plaza (Shared w/ OCTA) |
| P | New Parking Facility |
| ■ | Proposed Roadway |
| ┅ | Pick-up/Drop-off Zone |
| ⇆ | Roadway Directional Arrows |
| S | Existing Signalized Intersection |
| S | New Signalized Intersection |
| → | Station Acess |
| ☐ | Pedestrian Passageway |

100 0 100 200

GRAPHIC SCALE

SCALE APPLICABLE FOR FULL SIZE ONLY

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DRAWN BY R. KUCINSKI
CHECKED BY E. CARBREY
IN CHARGE J. SWANSON
DATE 02/28/25

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GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
FULLERTON STATION
GENERAL SITE PLAN

CONTRACT NO. HSR06-0005
DRAWING NO. AR-B0701A
SCALE 1" = 100'
SHEET NO.

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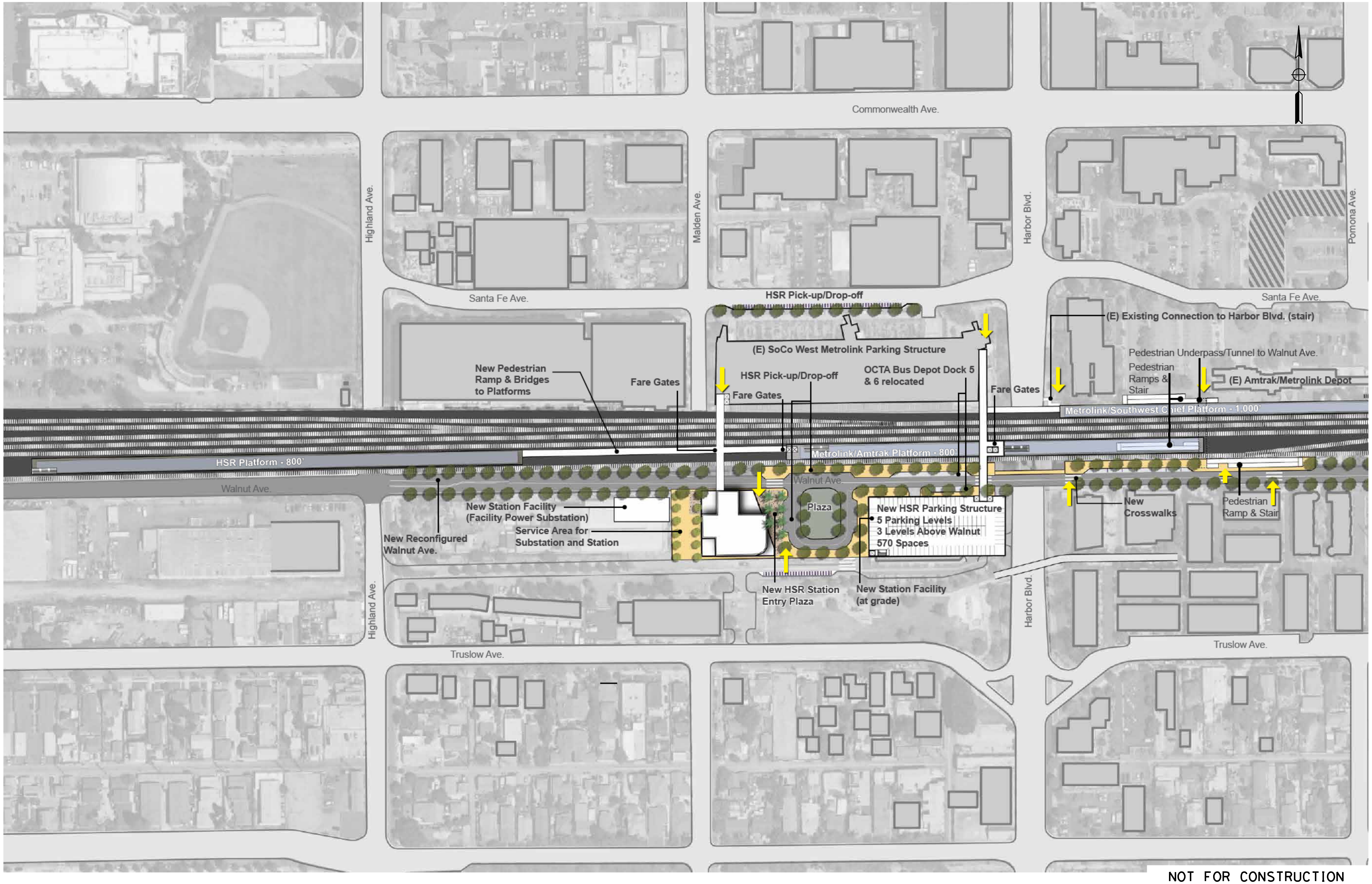
Commonwealth Ave.
Highland Ave.
Malden Ave.
Harbor Blvd.
Pomona Ave.
Santa Fe Ave.
HSR Pick-up/Drop-off
(E) Existing Connection to Harbor Blvd. (stair)
(E) SoCo West Metrolink Parking Structure
New Pedestrian Ramp & Bridges to Platforms
Fare Gates
HSR Pick-up/Drop-off
Fare Gates
OCTA Bus Depot Dock 5 & 6 relocated
Fare Gates
Pedestrian Underpass/Tunnel to Walnut Ave.
Pedestrian Ramps & Stair
(E) Amtrak/Metrolink Depot
Metrolink/Southwest Chief Platform - 1,000'
HSR Platform - 800'
Metrolink/Amtrak Platform - 800'
Walnut Ave.
Walnut Ave.
New Station Facility (Facility Power Substation)
Service Area for Substation and Station
New Reconfigured Walnut Ave.
Plaza
New HSR Parking Structure
5 Parking Levels
3 Levels Above Walnut
570 Spaces
New Crosswalks
Pedestrian Ramp & Stair
New HSR Station Entry Plaza
New Station Facility (at grade)
Highland Ave.
Harbor Blvd.
Truslow Ave.
Truslow Ave.

**LEGEND**

Note: (E) annotation indicates existing facilities

- ▬ HSR Platform and Canopy
- ▭ New Station Facilities
- ▬ Non-HSR Platforms and Cano
- ▨ Tracks
- ▬ Proposed Roadway
- ⬚ Pedestrian Passageway
- ⇨ Station Entrance

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100 0 100 200
GRAPHIC SCALE
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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
FULLERTON STATION
DETAILED PLAN 1 OF 1

CONTRACT NO. HSR06-0005
DRAWING NO. AR-C1701A
SCALE 1" = 100'
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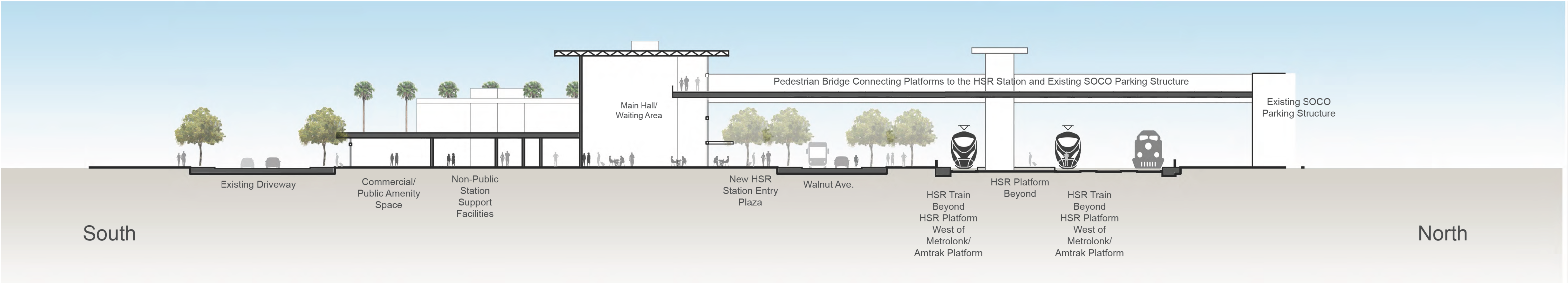
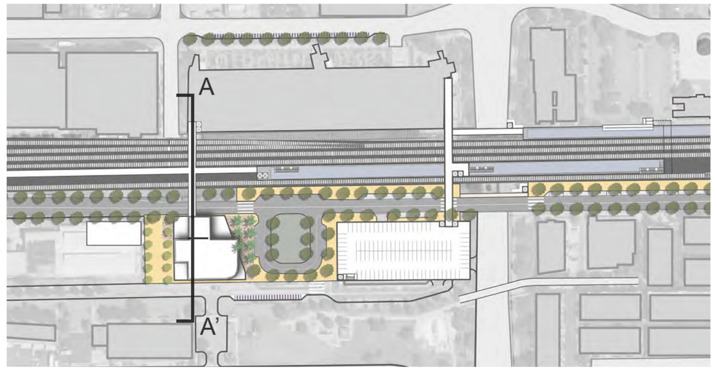


Section A-A'



**LEGEND**

- HSR
- Metrolink/Amtrak
- BNSF/Freight

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GRAPHIC SCALE
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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
FULLERTON STATION
CROSS SECTION 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
AR-J3701A
SCALE
1" = 20'
SHEET NO.

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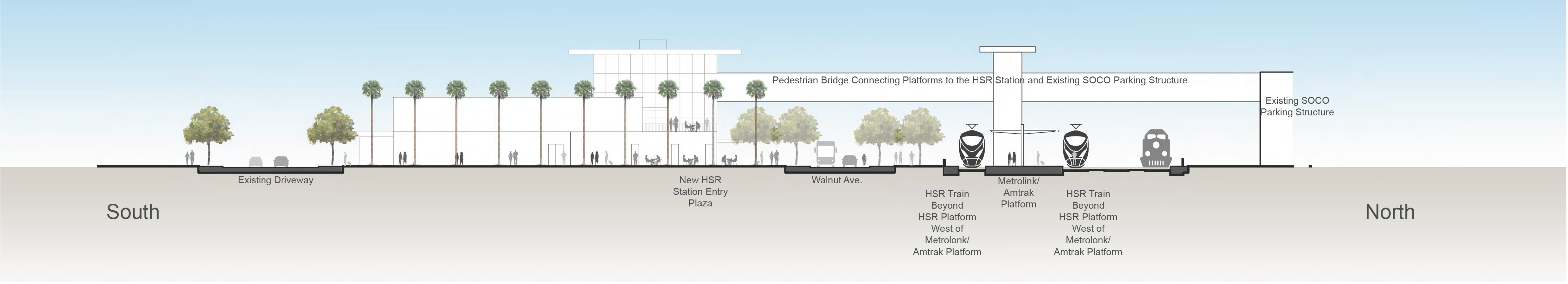
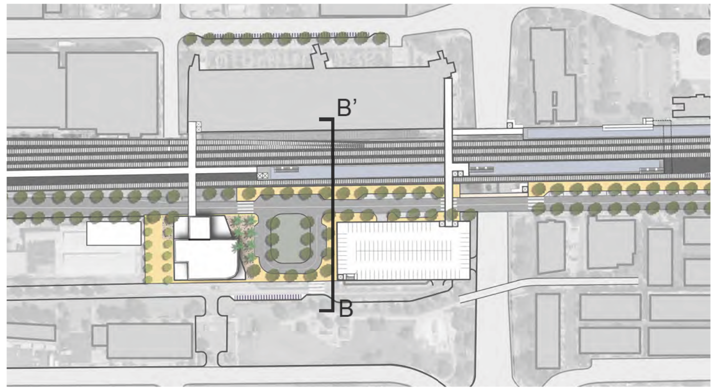

Pedestrian Bridge Connecting Platforms to the HSR Station and Existing SOCO Parking Structure
Existing SOCO Parking Structure
South
Existing Driveway
New HSR Station Entry Plaza
Walnut Ave.
HSR Train Beyond HSR Platform West of Metrolonk/ Amtrak Platform
Metrolink/ Amtrak Platform
HSR Train Beyond HSR Platform West of Metrolonk/ Amtrak Platform
North

Section B-B'



**LEGEND**

- HSR
- Metrolink/Amtrak
- BNSF/Freight

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20 0 20 40
GRAPHIC SCALE
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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
FULLERTON STATION
CROSS SECTION 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. AR-J3702A
SCALE 1" = 20'
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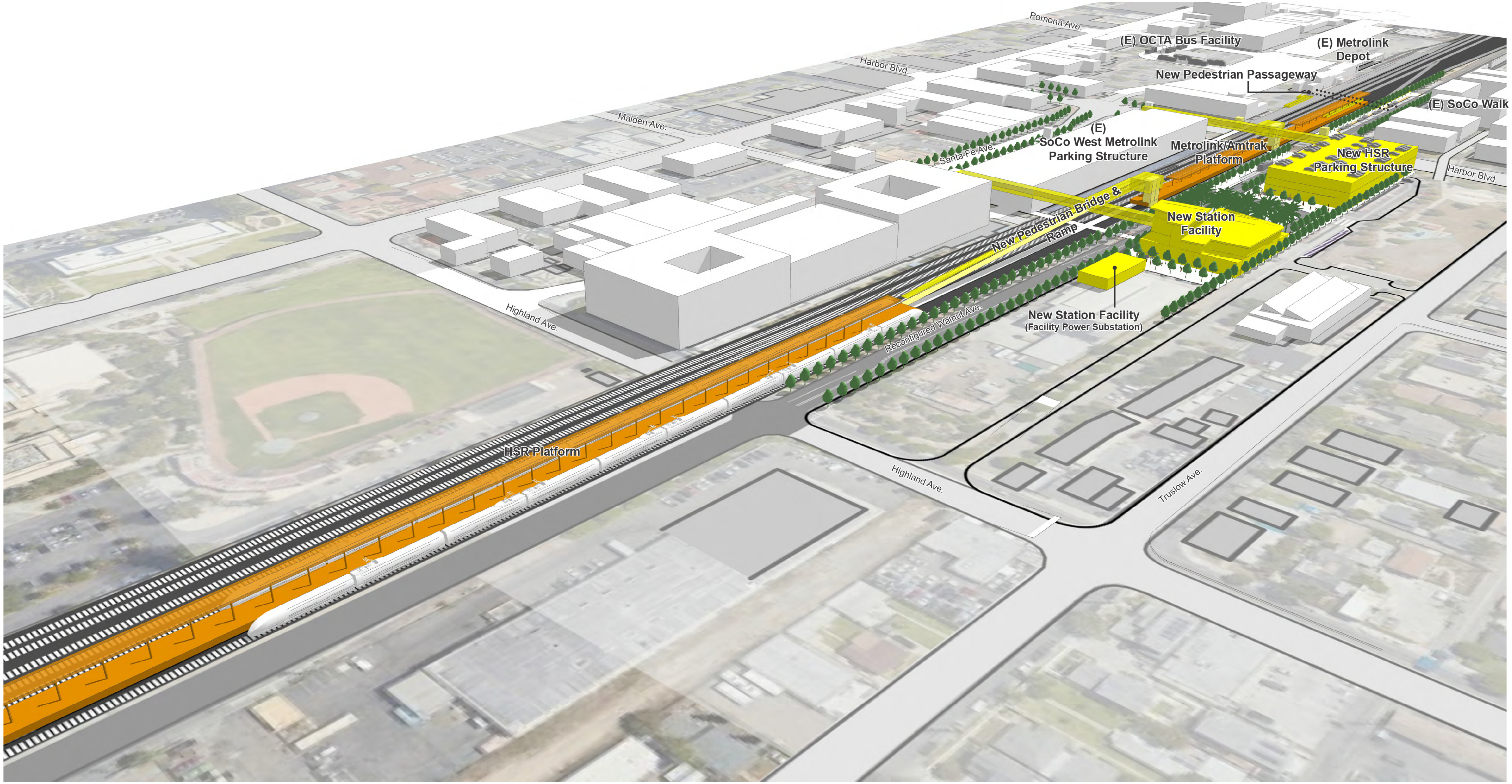

**LEGEND**

Note: (E) annotation indicates existing facilities

| | |
|---|---|
| 🟨 | New Station Facility or Parking Structure |
| 🟧 | New HSR Platform |

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IN CHARGE
J. SWANSON
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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
FULLERTON STATION
MASSING MODEL 1 OF 2

CONTRACT NO.
HSR06-0005
DRAWING NO.
AR-J8701
SCALE
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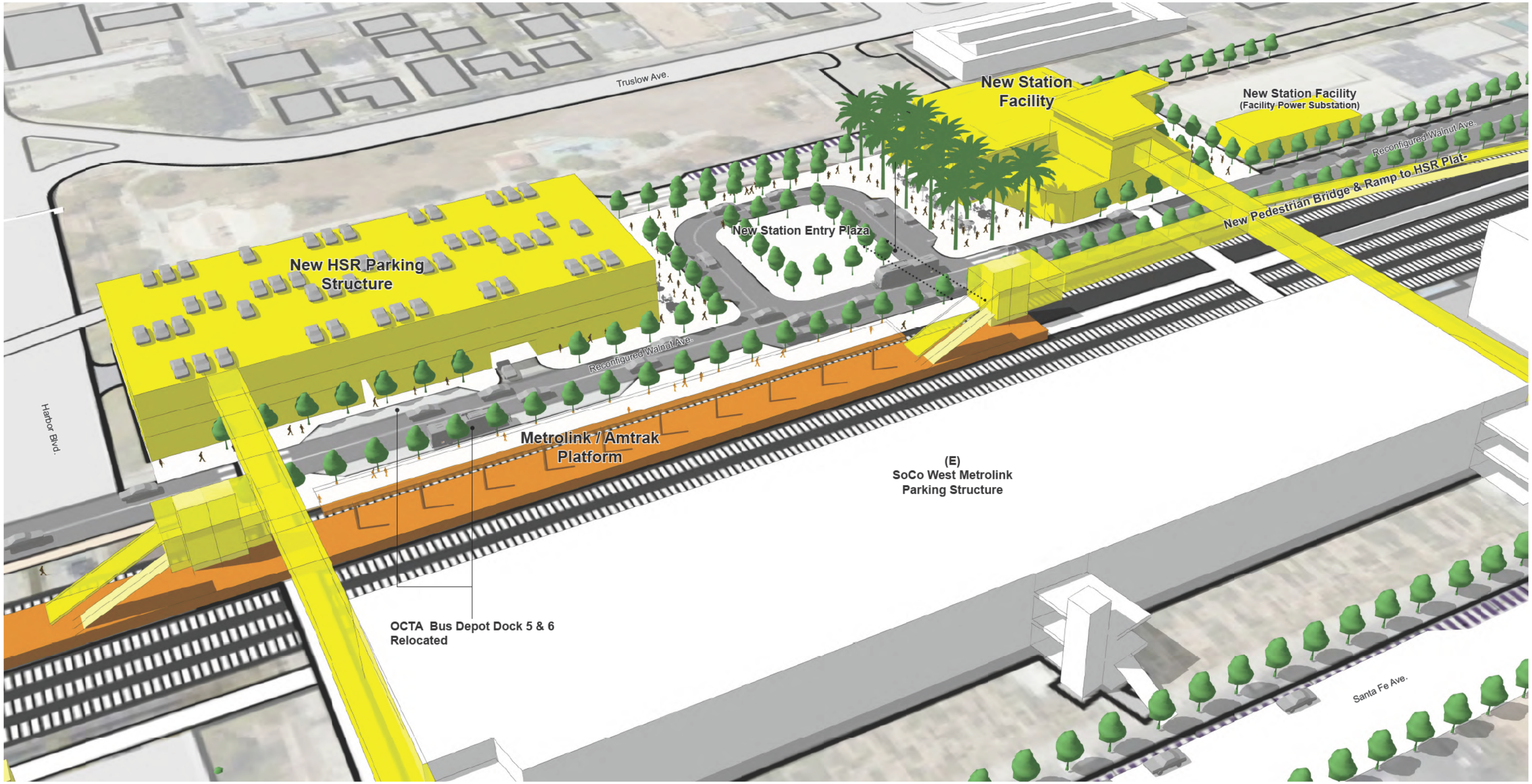

**LEGEND**

Note: (E) annotation indicates existing facilities

| | |
|---|---|
| 🟨 | New Station Facility or Parking Structure |
| 🟧 | New HSR Platform |

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CALIFORNIA
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**LOS ANGELES TO ANAHEIM**
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
FULLERTON STATION
MASSING MODEL 2 OF 2

CONTRACT NO. HSR06-0005
DRAWING NO. AR-J8702A
SCALE NO SCALE
SHEET NO.

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