

TYPICAL DRAINAGE CONCEPT FOR AERIAL STRUCTURE

NTS

R. WONG DRAWN BY
D. BARRAZA CHECKED BY
M. SATISH N CHARGE J. SWANSON CONSTRUCTION DATE BY CHK APP DESCRIPTION 08/29/25

TYPICAL DRAINAGE CONCEPT FOR AT GRADE CONDITION

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR



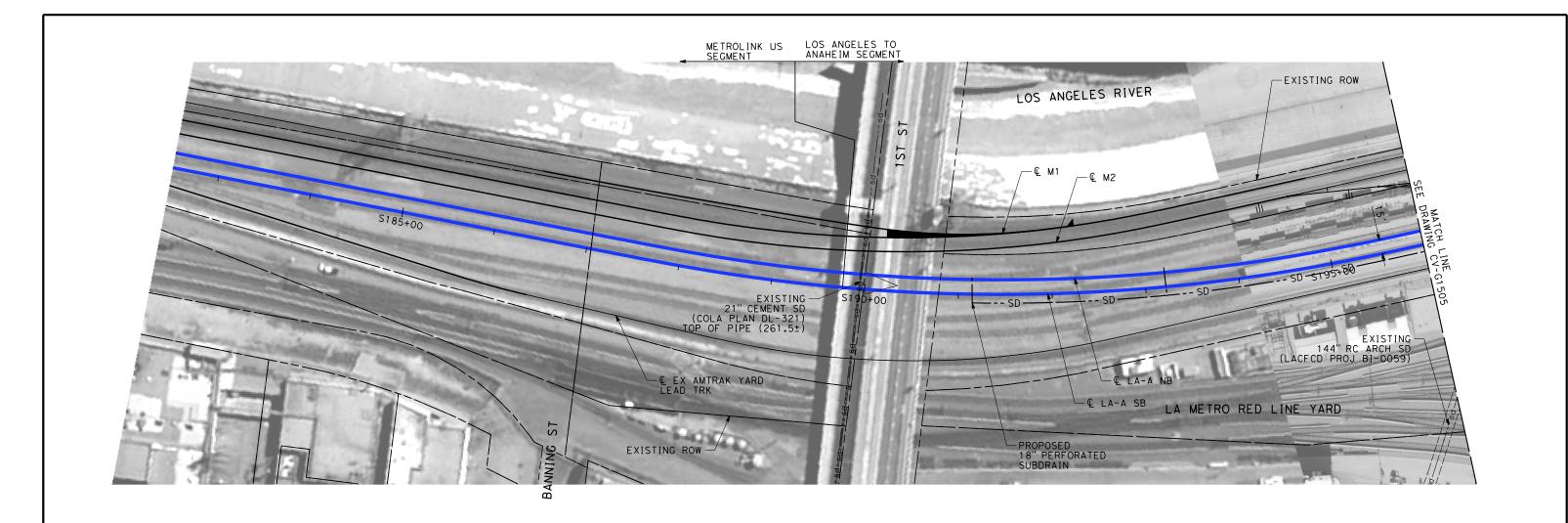
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION DRAINAGE TYPICAL SECTION

ICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO.
	CV-G0011
N	SCALE AS SHOWN
	SHEET NO.

NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

l"=10' SCALE APPL



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

SCALE APPLIC

NOT FOR CONSTRUCTION

FOR INTERNAL USE ONLY

						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	08/29/25

SUBMITTAL FOR INTERNAL **USE ONLY**

NOT FOR

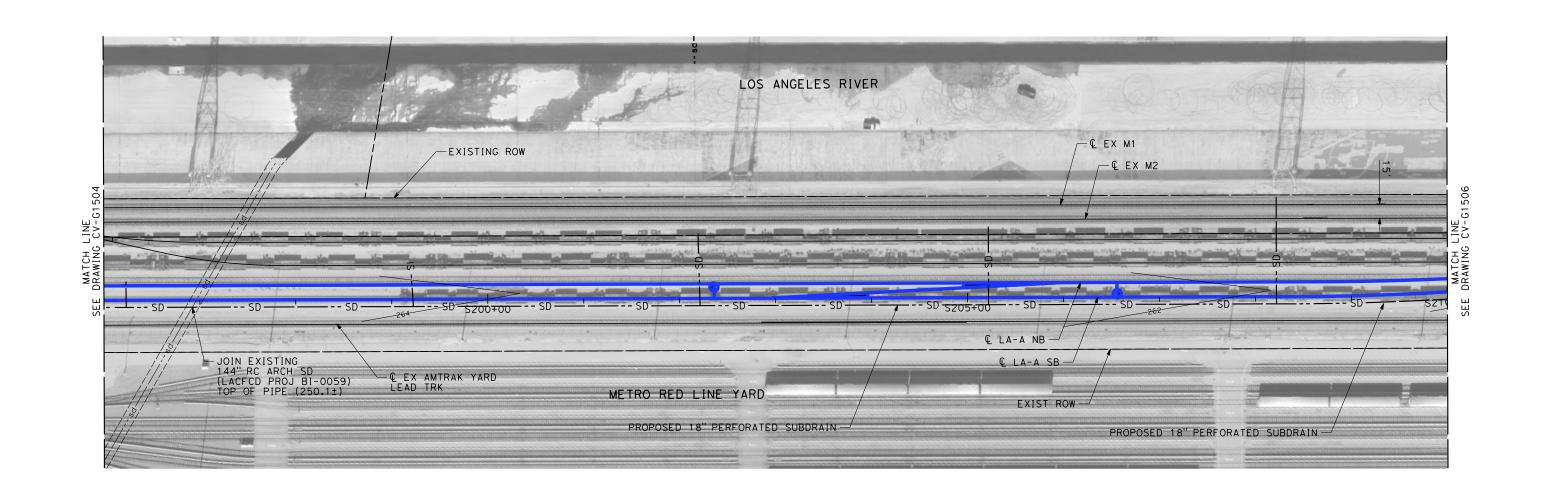
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA S182+50 TO STA S196+00

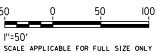
CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO.
	CV-G1504
.	SCALE
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA S196+00 TO STA S210+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1505
1	1" = 50'
	SHEET NO.

						R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	08/29/25

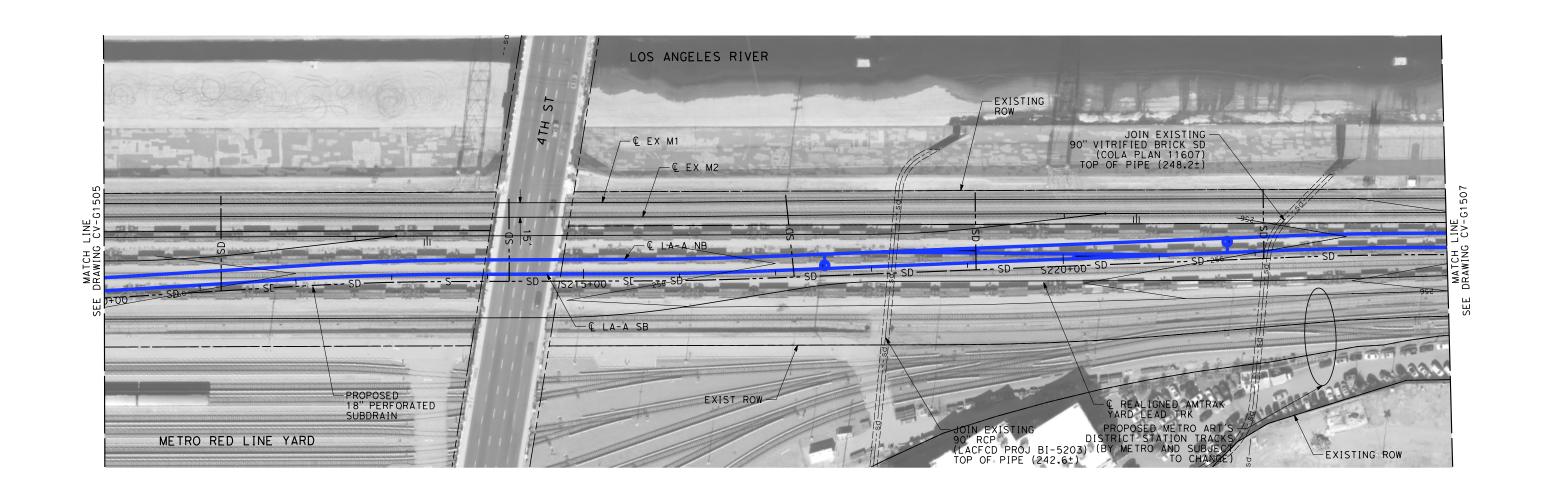
PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION





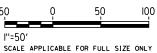


BY CHK APP

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- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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			R. WONG
			DRAWN BY
			CHECKED BY
			M. SATISH IN CHARGE
			J. SWANSON

DESCRIPTION

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08/29/25

NOT FOR CONSTRUCTION

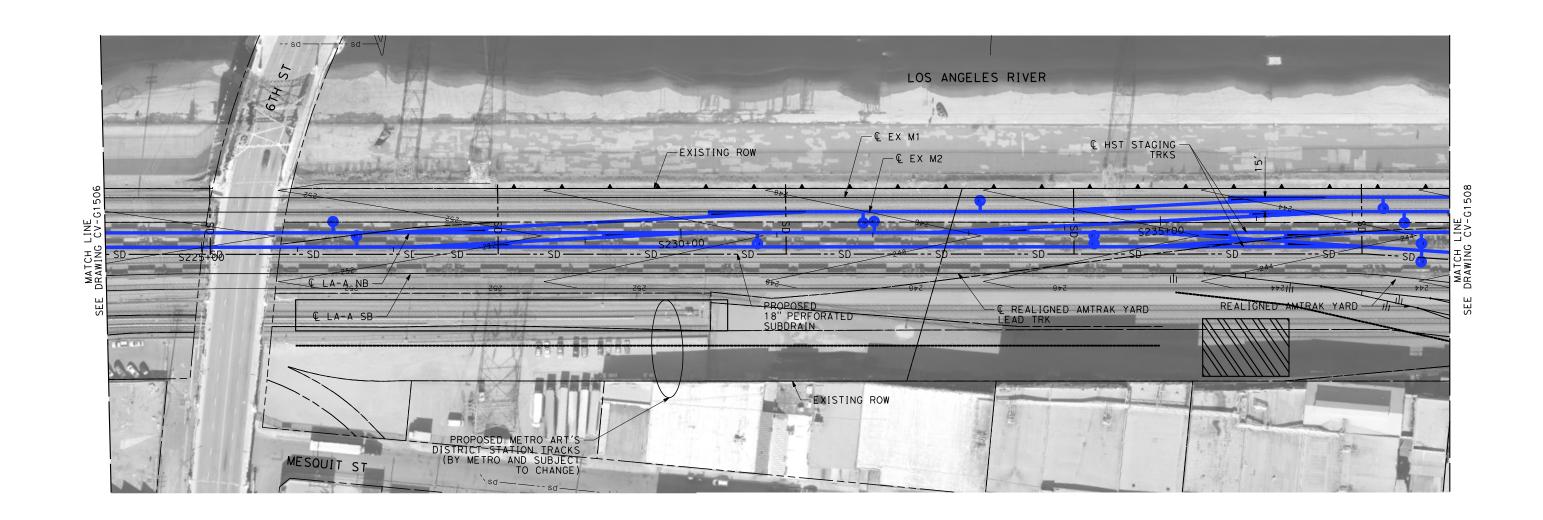




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA S210+00 TO STA S224+00

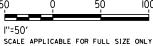
CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO. CV = G1506
1	SCALE 1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	08/29/25

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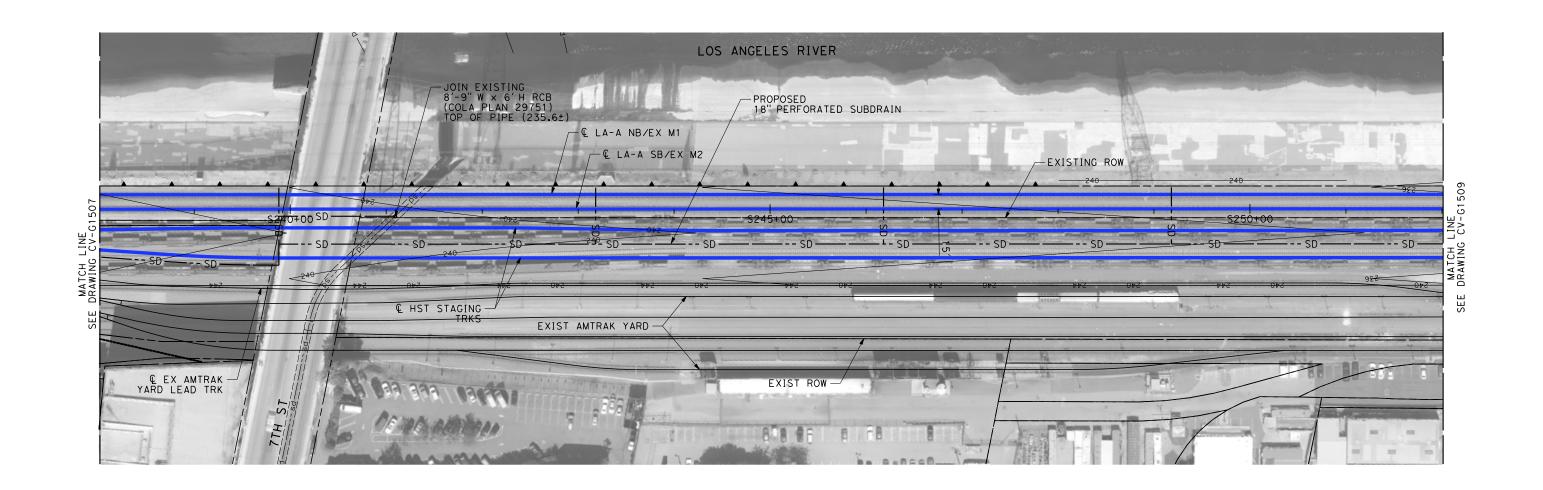




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA S224+00 TO STA S238+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO. CV - G1507
,	SCALE
•	1" = 50'

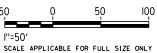


BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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			DESIGNED BY R. WONG
			DRAWN BY
			CHECKED BY M. SATISH
			IN CHARGE

DESCRIPTION

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CONSTRUCTION

08/29/25

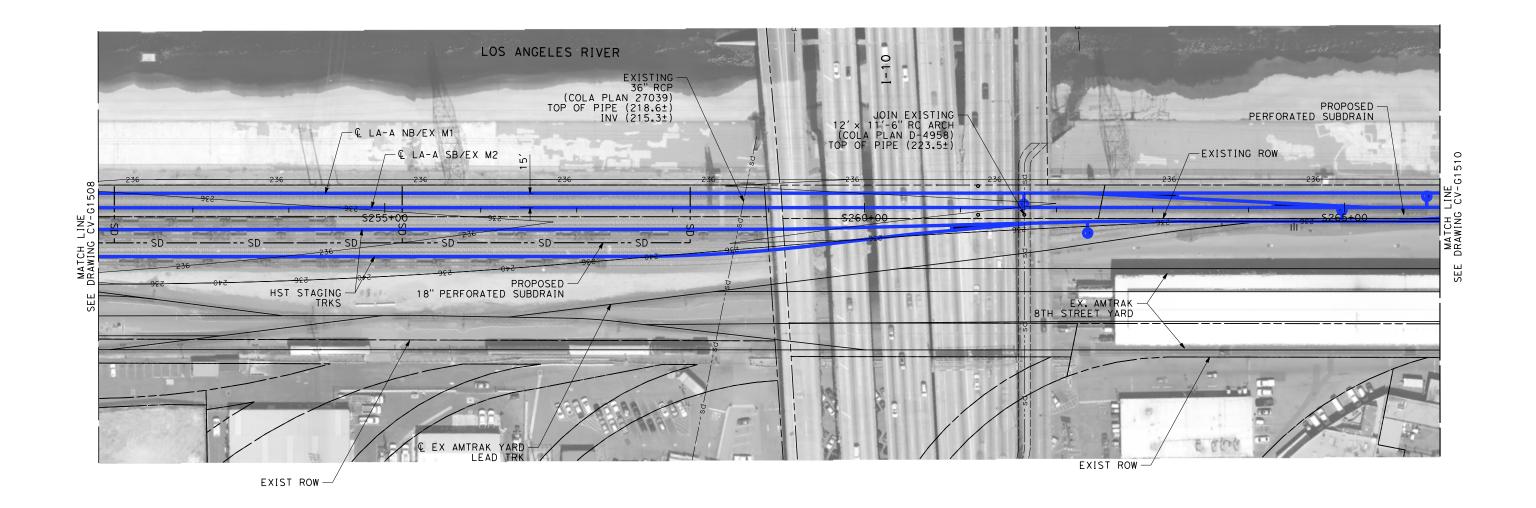
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA S238+00 TO STA S252+00

AB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO.
	CV-G1508
l	1" = 50'
	SHEET NO.



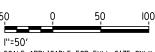
REV DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SCALE APPLICA

			R. WONG
			DRAWN BY
			CHECKED BY
			M. SATISH IN CHARGE
			J. SWANSON

DESCRIPTION

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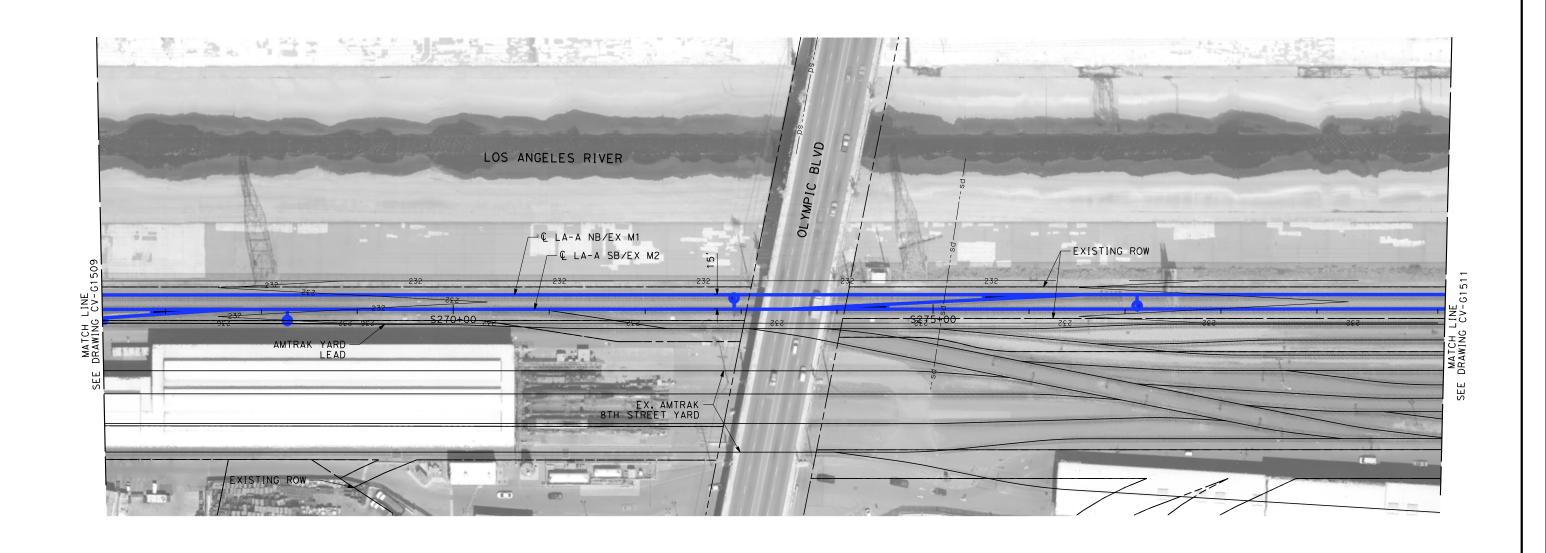
08/29/25



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA S252+00 TO STA S266+00

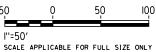
ΑB	ABLE FOR FULL SIZE ONLY							
	CONTRACT NO. HSR06-0005							
	DRAWING NO.							
	CV-G1509							
	SCALE							
l	1" = 50'							
	SHEET NO.							



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



ı							R. WONG
ı							D. BARRAZA
١							CHECKED BY
Ī							M. SATISH
9							IN CHARGE J. SWANSON
۳ ۲	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

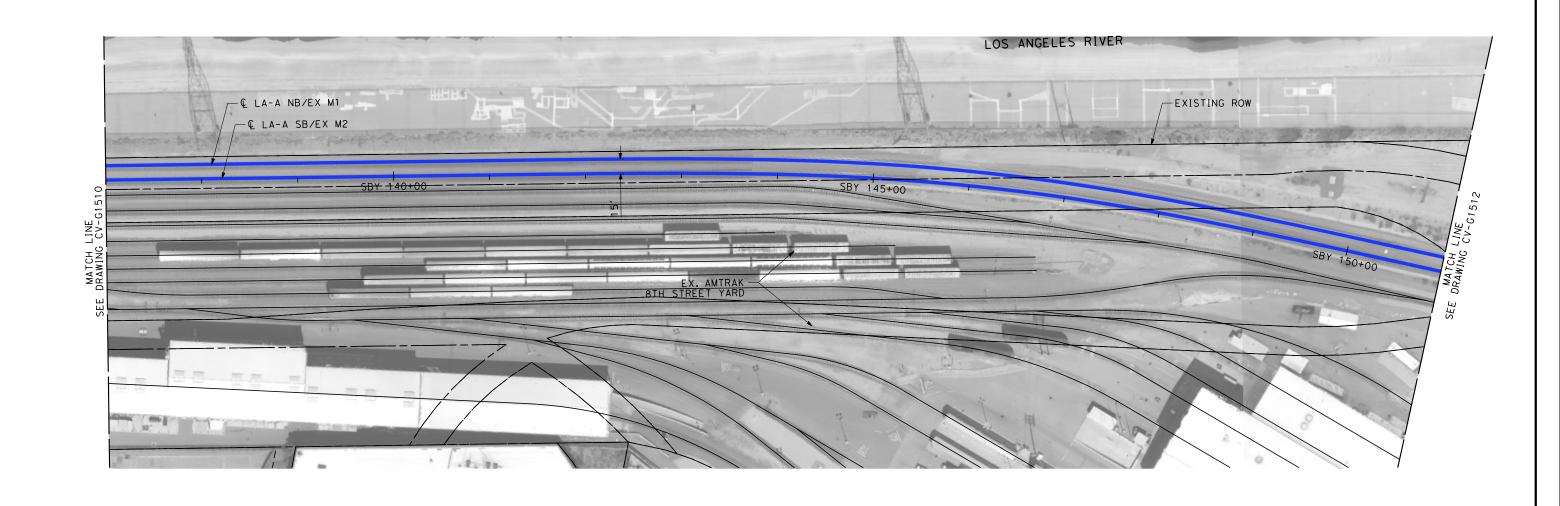




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

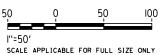
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA S266+00 (BACK) TO STA SBY 137+00 (AHEAD)

:AB	ABLE FOR FULL SIZE ONLY								
	CONTRACT NO. HSRO6-0005								
	DRAWING NO. CV-G1510								
I	1" = 50'								
	SHEET NO.								



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.





						DESIGNED BY R. WONG
						DRAWN BY
						CHECKED BY
\vdash						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY

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CONSTRUCTION

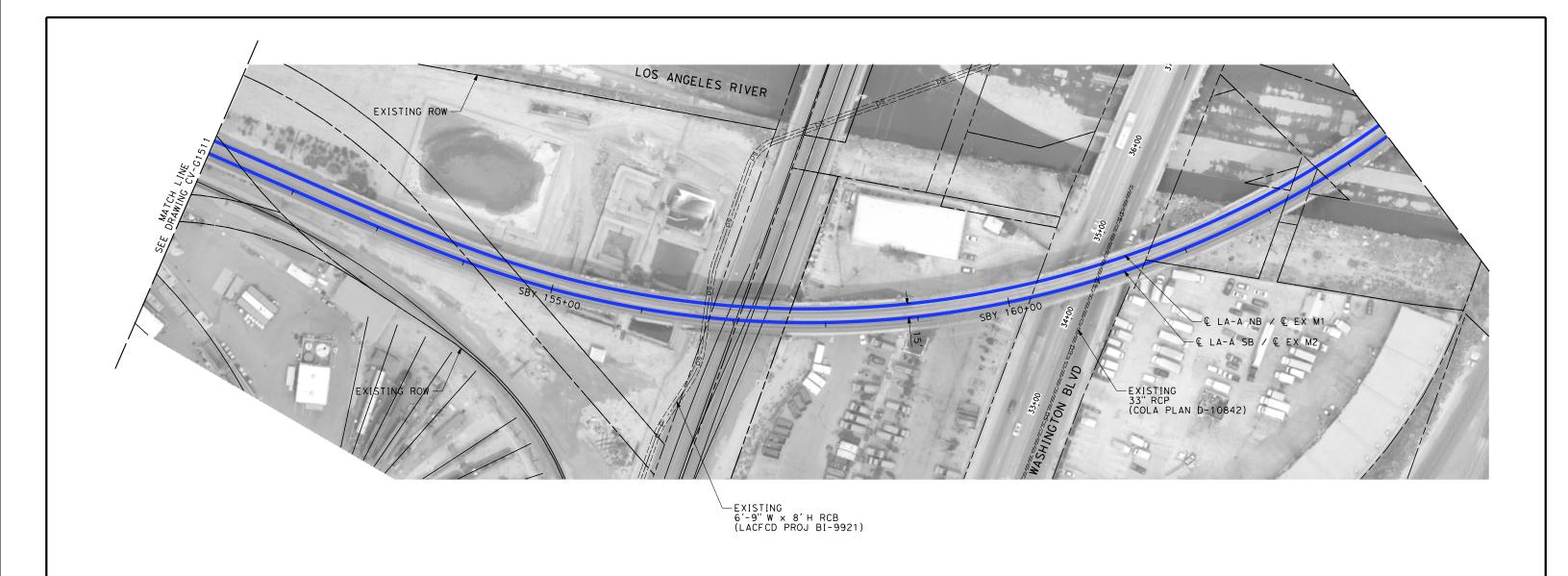




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 137+00 TO STA SBY 151+00

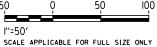
CAB	CABLE FOR FULL SIZE ONLY									
	CONTRACT NO. HSR06-0005									
	DRAWING NO.									
	CV-G1511									
٧	1" = 50'									
	SHEET NO.									



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG	
							DRAWN BY D. BARRAZA	
							D. BARRAZA	
							CHECKED BY	
							M. SATISH	
e l							IN CHARGE	
5							J. SWANSON	
Ĭ							DATE	
,	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25	

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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CONSTRUCTION

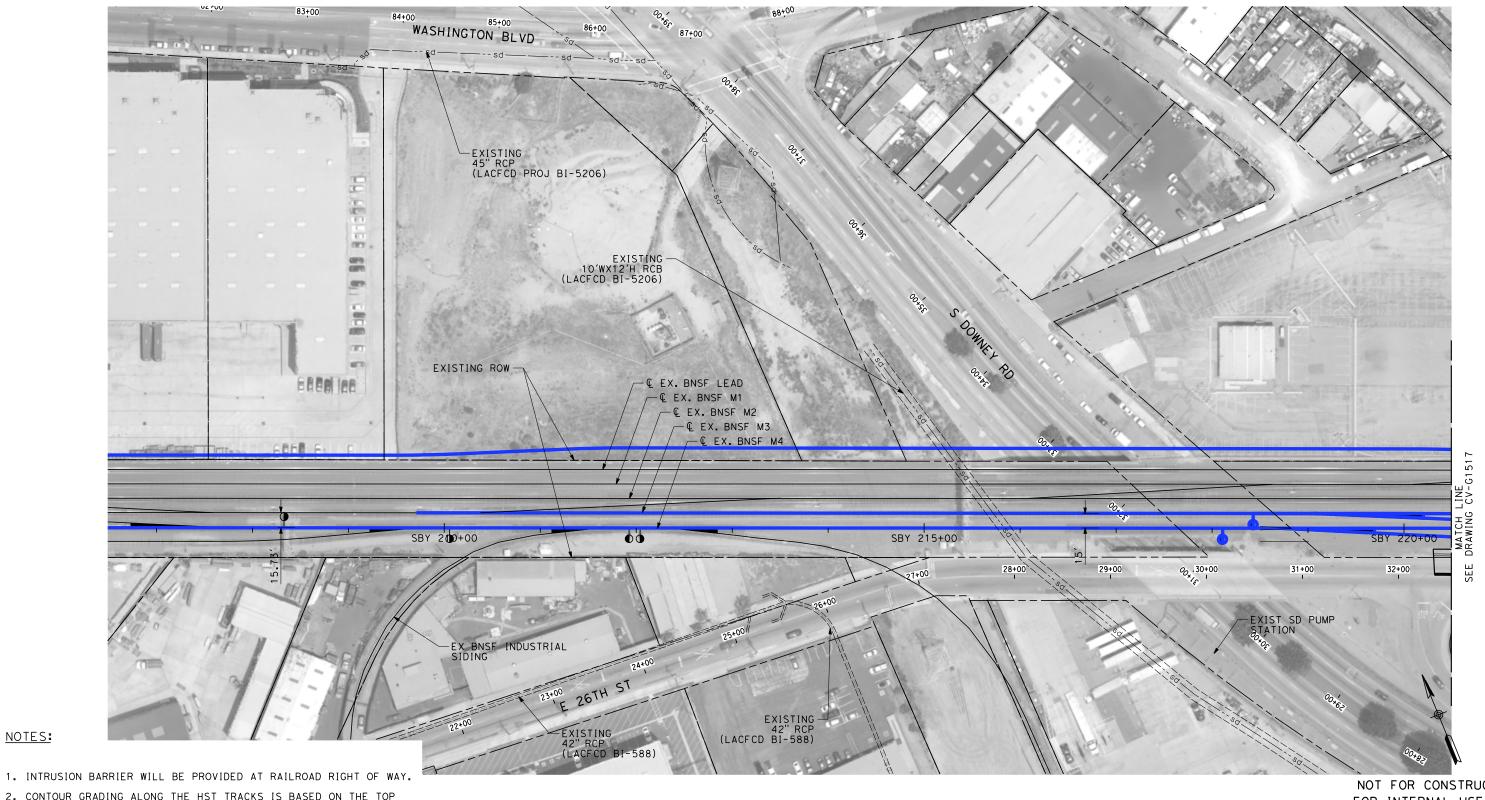
stv



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 151+00 TO STA SBY 164+50

CAB	CABLE FOR FULL SIZE ONLY								
	CONTRACT NO.								
	HSR06-0005								
	DRAWING NO.								
	CV-G1512								
.	SCALE								
V	1" = 50'								
	SHEET NO.								

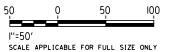


2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.

NOTES:

3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

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						DESIGNED BY R. WONG	
						DRAWN BY D. BARRAZA	1
						CHECKED BY M. SATISH	1
						IN CHARGE J. SWANSON	1
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	1

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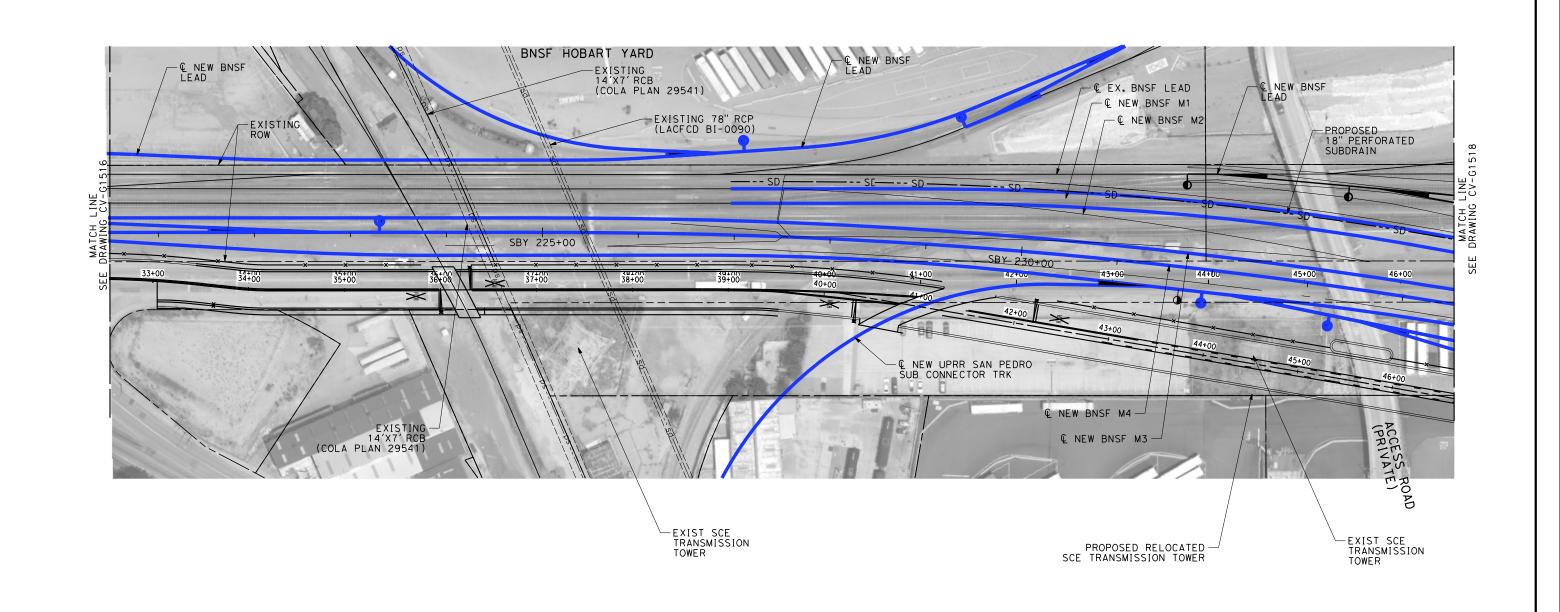
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 206+50 TO STA SBY 220+50

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- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

l''=50' SCALE APPLICAB

<u> </u>	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	ĺ
<u> </u>							J. SWANSON	ı
							M. SATISH	İ
							CHECKED BY	ĺ
L							DRAWN BY	İ
L							R. WONG	ĺ

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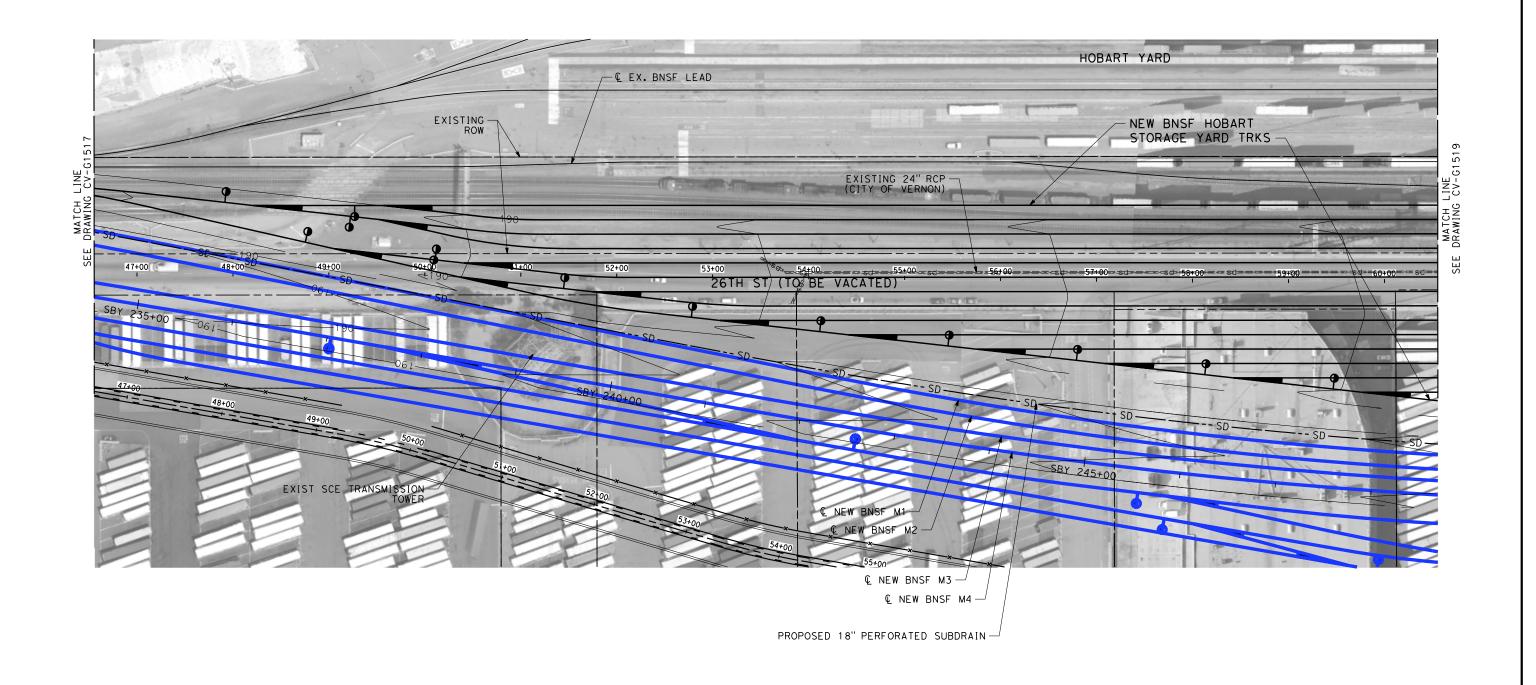




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 220+50 TO STA SBY 234+50

BLE FOR FULL SIZE ONLY
CONTRACT NO.
HSR06-0005
DRAWING NO.
CV-G1517
SCALE
1" = 50'
SHEET NO.



REV DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
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- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SCALE APPLICA

			DESIGNED BY R. WONG
			D. BARRAZA
			CHECKED BY
			M. SATISH IN CHARGE
			J. SWANSON

DESCRIPTION

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02/28/25

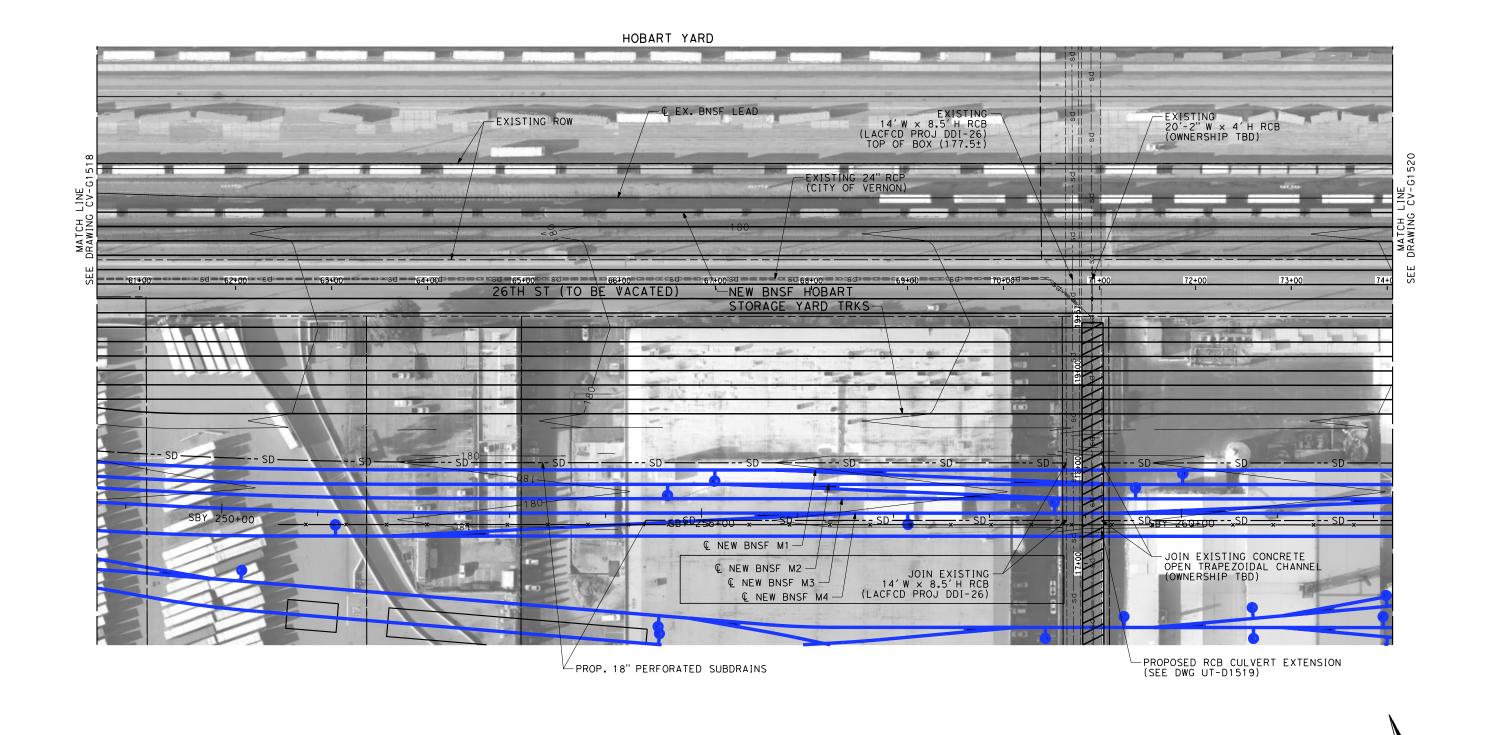




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 234+50 TO STA SBY 248+50

٩B	LE FOR FULL SIZE ONLY	
	CONTRACT NO. HSR06-0005	
	DRAWING NO.	
	CV-G1518	
	1" = 50'	
	SHEET NO.	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.
- 4. FOR RCB STRUCTURAL DESIGN SEE DWG ST-K1017 AND ST-K1018.

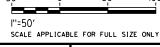
R. WONG DRAWN BY CHECKED BY CHARGE CONSTRUCTION DATE BY CHK APP DESCRIPTION

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FOR INTERNAL USE ONLY



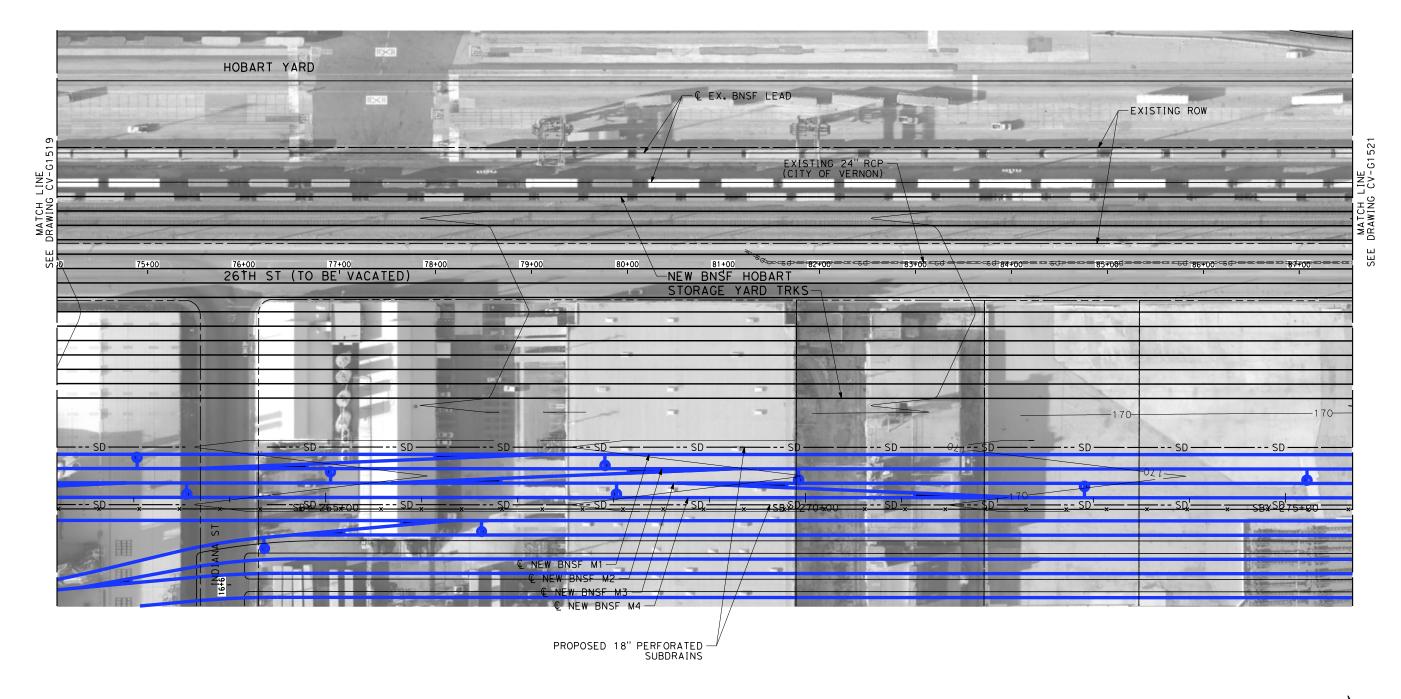
NOT FOR CONSTRUCTION

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 248+50 TO STA SBY 262+00

CALIFORNIA HIGH-SPEED TRAIN PROJECT

LOS ANGELES TO ANAHEIM

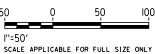
HSR06-0005 RAWING NO. CV-G1519 1" = 50' SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
\$10							IN CHARGE J. SWANSON
\$P∟	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

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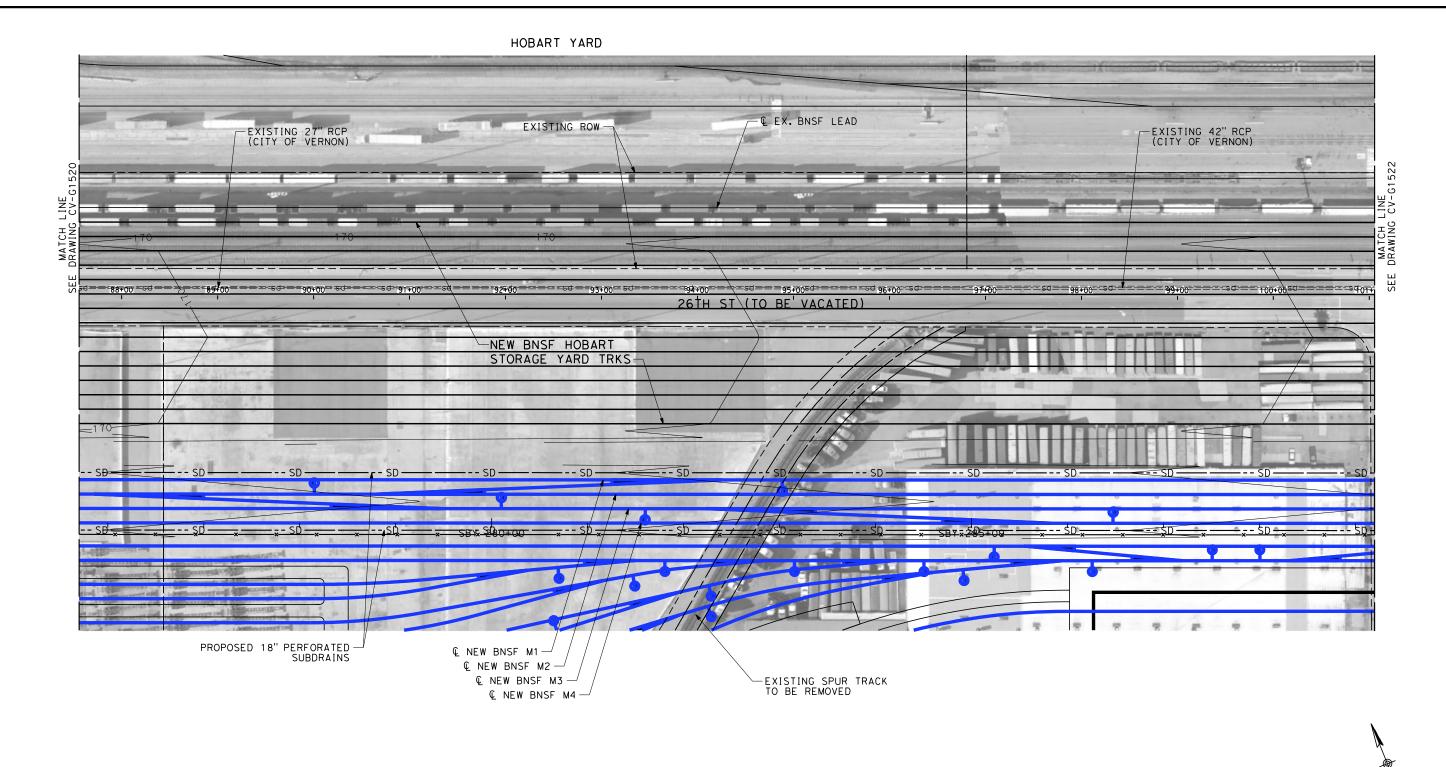




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 262+00 TO STA SBY 275+50

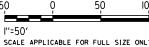
CABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1520					
u l	SCALE					
V	1" = 50'					
	SHEET NO.					



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- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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							D. BARRAZA	
							CHECKED BY	
							M. SATISH	İ
€							IN CHARGE	i
) To							J. SWANSON	İ
į.							DATE	ĺ
₩	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25	İ

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CONSTRUCTION

DESIGNED BY

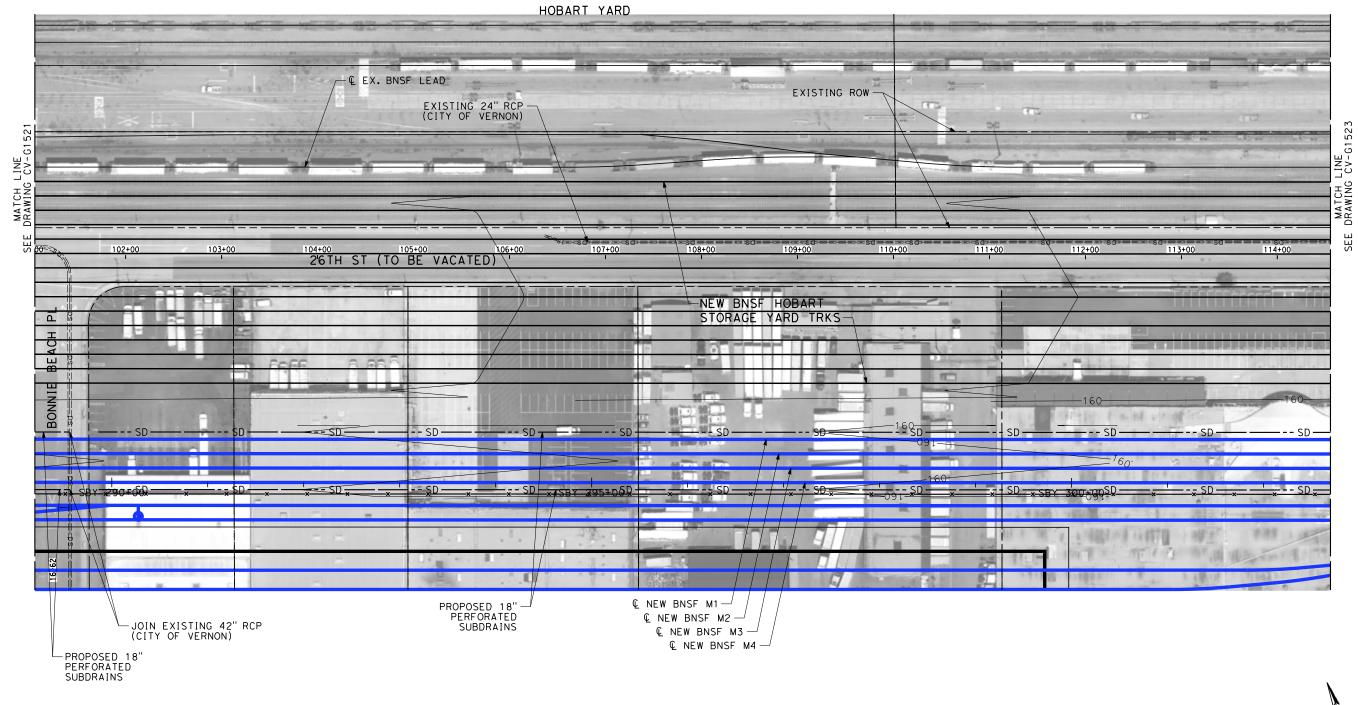




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 275+50 TO STA SBY 289+00

AB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1521
ı	scale 1'' = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SHEET NO.

CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONTRACT NO.

HSR06-0005

DRAWING NO.

CV-G1522

SCALE

1" = 50'

R. WONG

DRAWN BY
D. BARRAZA
CHECKED BY
M. SATISH
IN CHARGE
J. SWANSON
DATE

DESCRIPTION

SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION



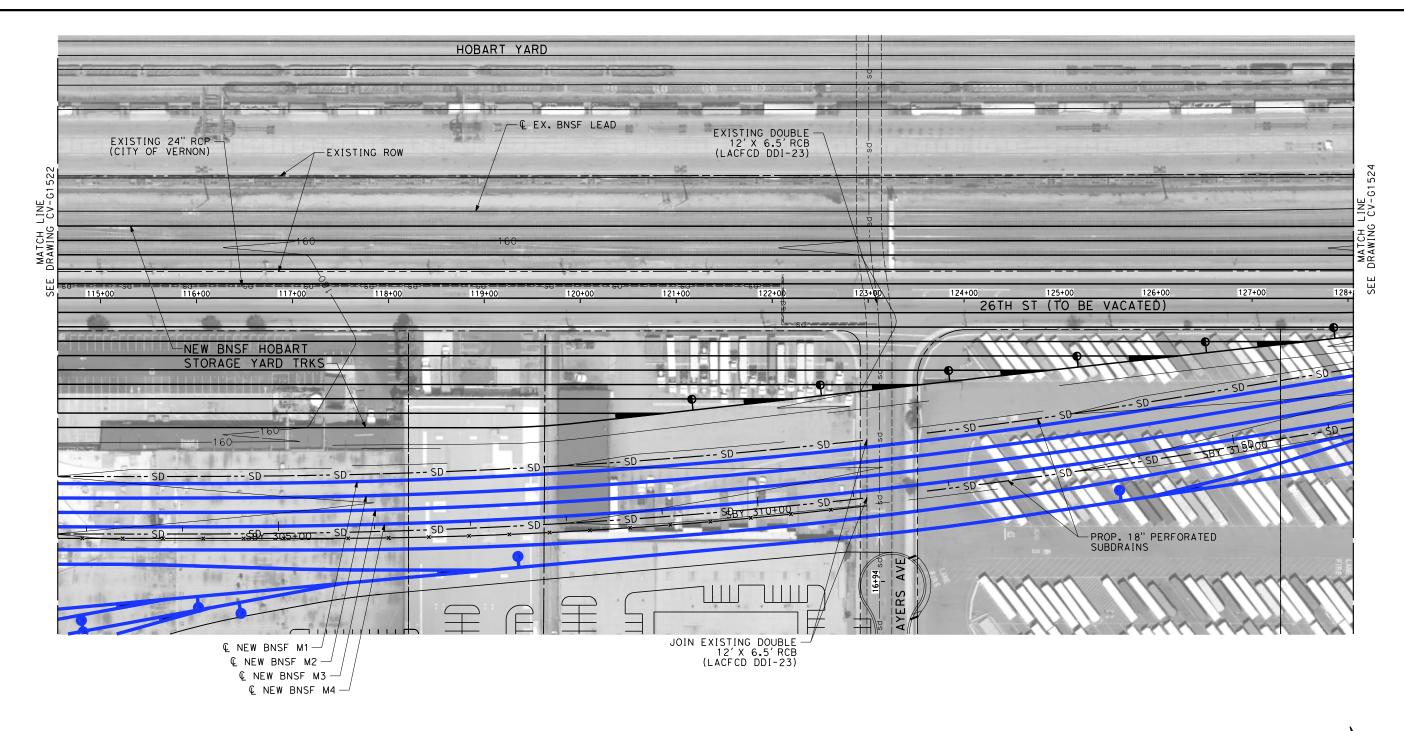


LOS ANGELES TO ANAHEIM RECORD SET RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROJECT DEFINITION RELIMINARY ENGINEERING FOR PROPERING FOR PROPERING FOR PROPERING FOR PROPERING FOR P

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 289+00 TO STA SBY 302+50

DATE

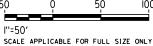
BY CHK APP



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR06-0005

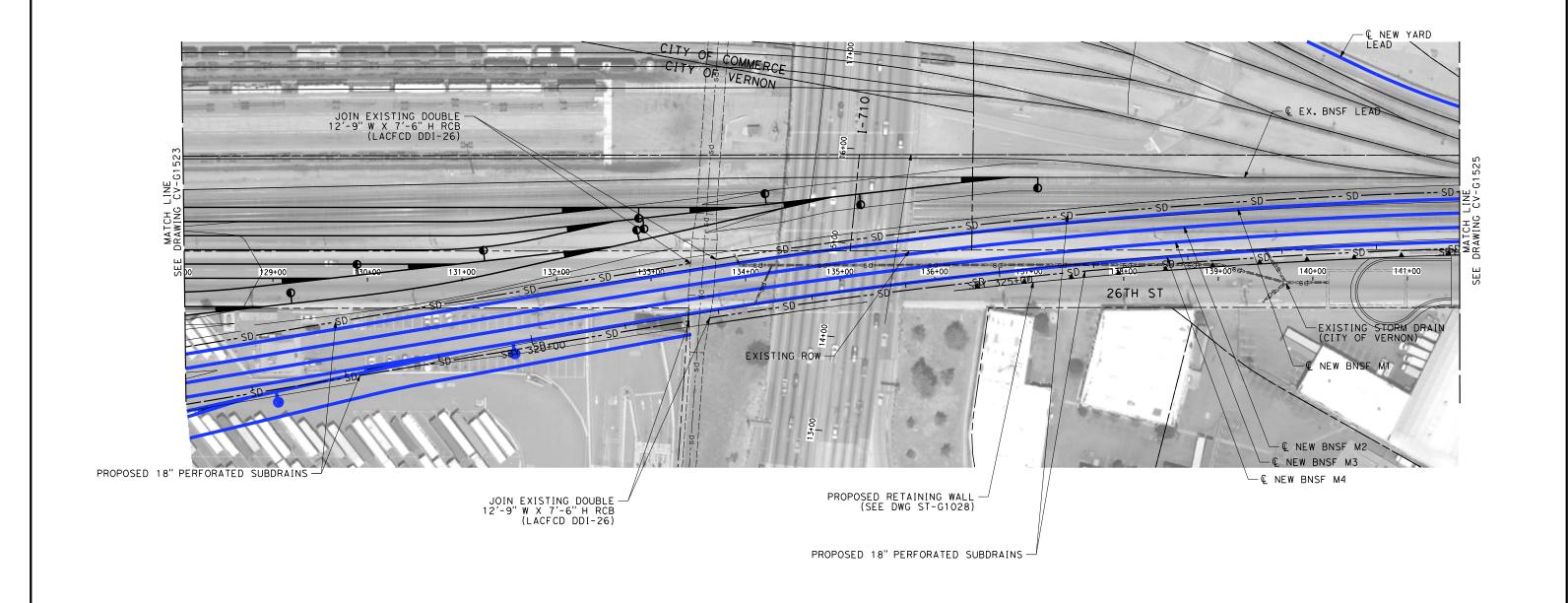
RAWING NO. CV-G1523 1" = 50' SHEET NO.

R. WONG DRAWN BY CHECKED BY CHARGE DATE BY CHK APP DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY CONSTRUCTION

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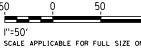




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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DESIGNED BY
R. WONG
DRAWN BY
D. BARRAZA
CHECKED BY
M. SATISH

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

CHARGE

stv



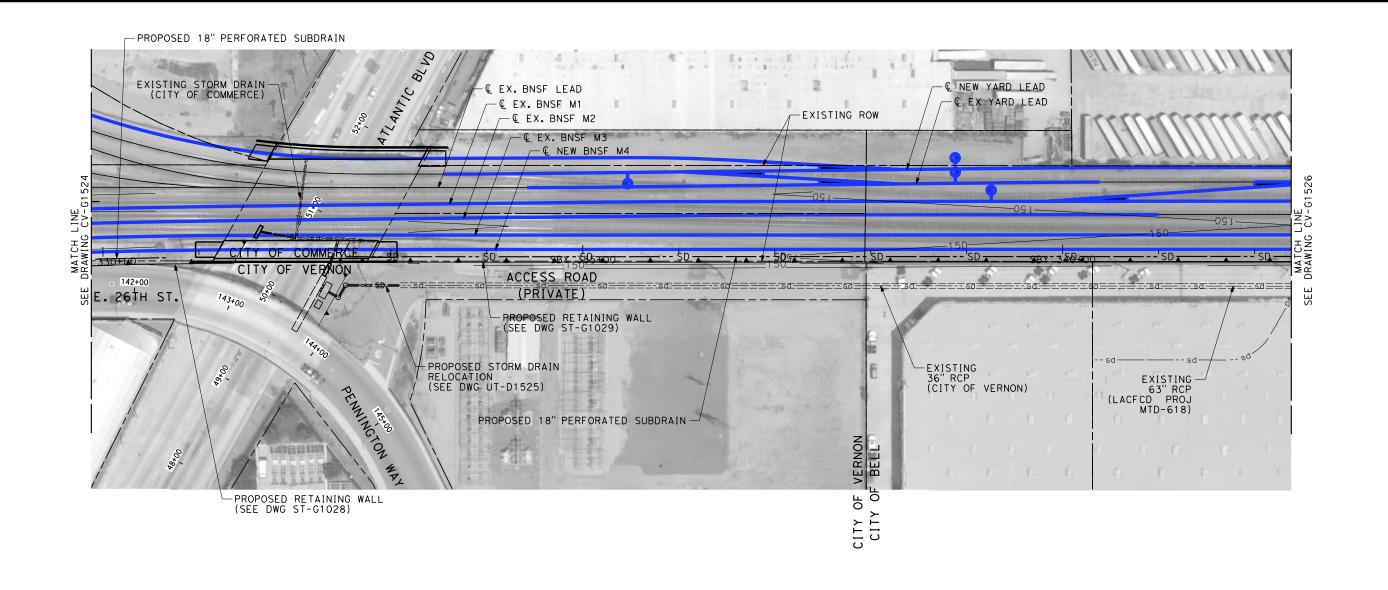
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 316+00 TO STA SBY 329+50

В	LE FOR FULL SIZE ONLY					
	CONTRACT NO. HSR06-0005					
	DRAWING NO.					
	CV-G1524					
	1" = 50'					
	SHEET NO.					

DATE

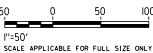
BY CHK APP



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG	ĺ
							DRAWN BY	ĺ
							CHECKED BY	ĺ
							M. SATISH	ĺ
9 -							IN CHARGE J. SWANSON	
ļ Ļ	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	

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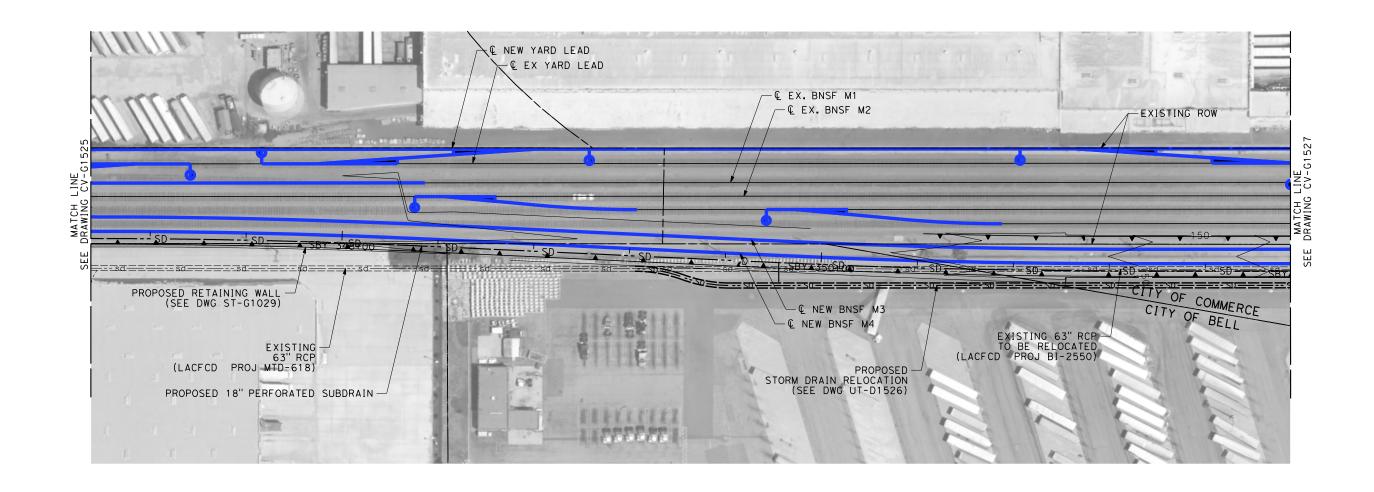
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 329+50 TO STA SBY 342+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO.
7	SCALE 1" = 50'
	SHEET NO.



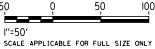
DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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			R. WONG
			DRAWN BY
			D. BARKAZA
			CHECKED BY
			M. SATISH
			IN CHARGE
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DESCRIPTION

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02/28/25

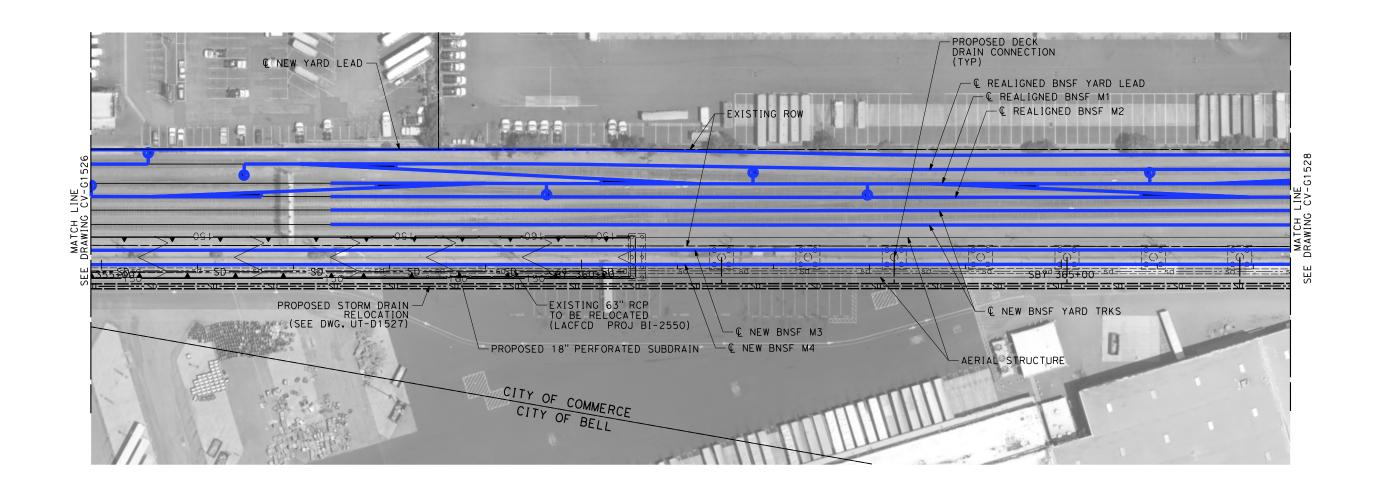
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 342+00 TO STA SBY 354+50

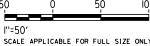
CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1526
.	SCALE
N	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 354+50 TO STA SBY 367+00

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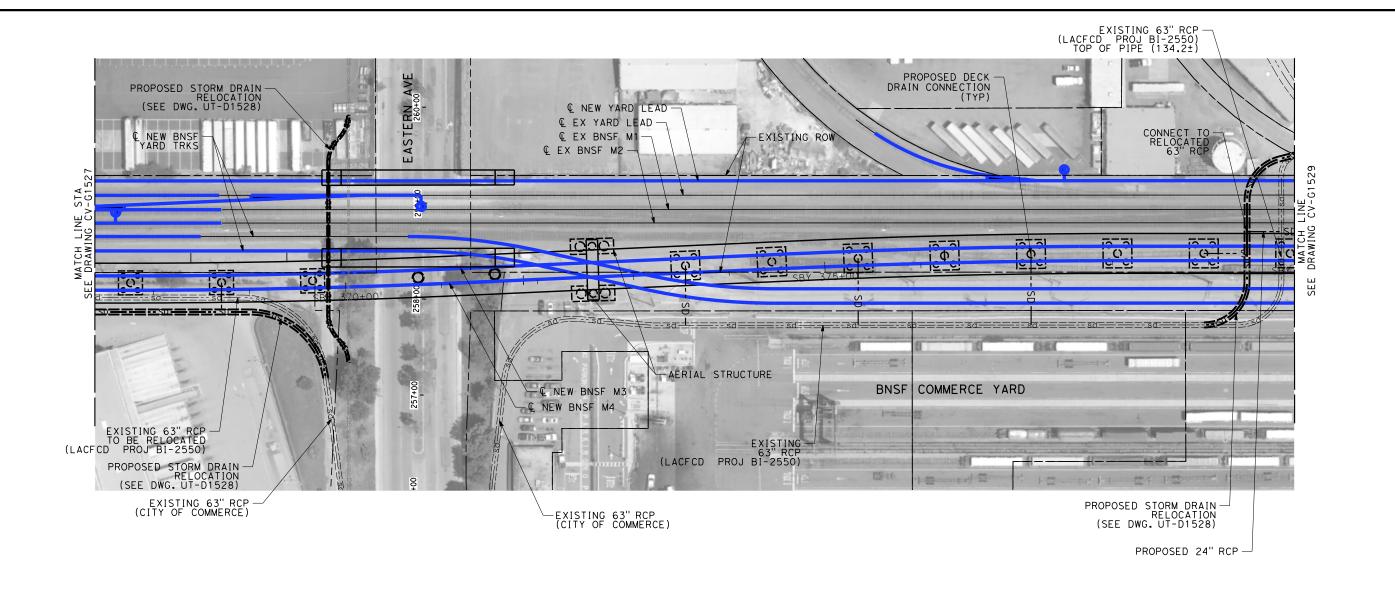
REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25
						J. SWANSON
						M. SATISH IN CHARGE
						CHECKED BY
						DRAWN BY D. BARRAZA
						R. WONG

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

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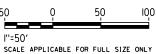




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG	ĺ
							DRAWN BY	ĺ
							CHECKED BY	ĺ
							M. SATISH	ĺ
9 -							IN CHARGE J. SWANSON	
ļ Ļ	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	

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CONSTRUCTION

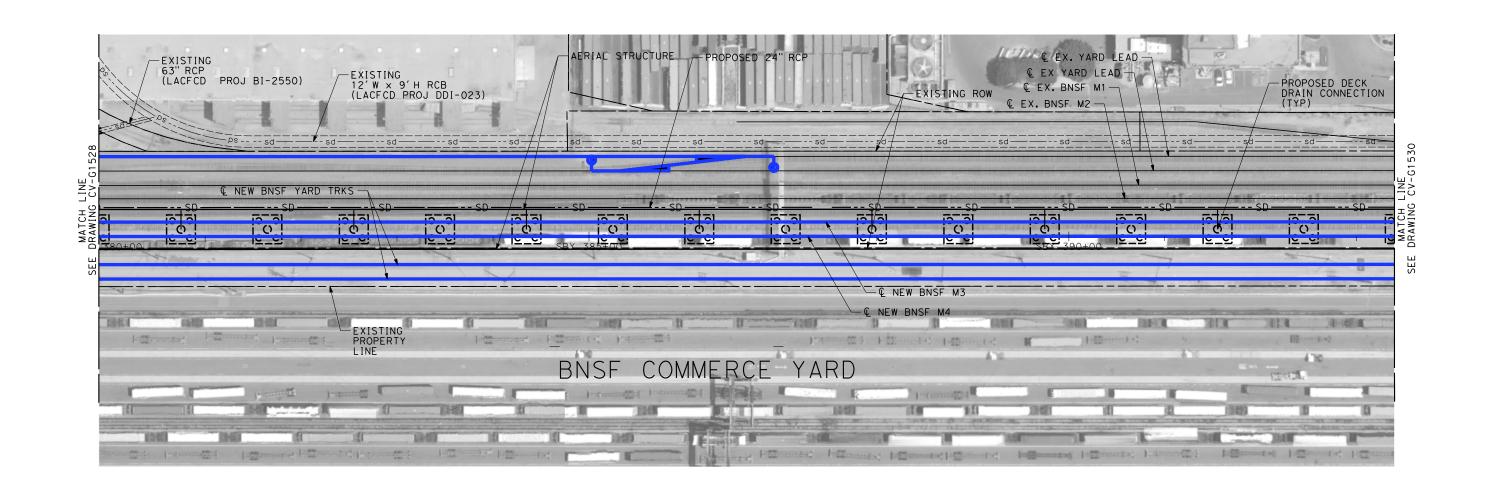
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 367+00 TO STA SBY 379+50

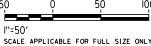
CAB	CABLE FOR FULL SIZE ONLY								
	CONTRACT NO.								
	HSR06-0005								
	DRAWING NO.								
	CV-G1528								
.	SCALE								
N	1" = 50'								
	SHEET NO.								



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

HSR06-0005 RAWING NO. CV-G1529

1" = 50' SHEET NO.

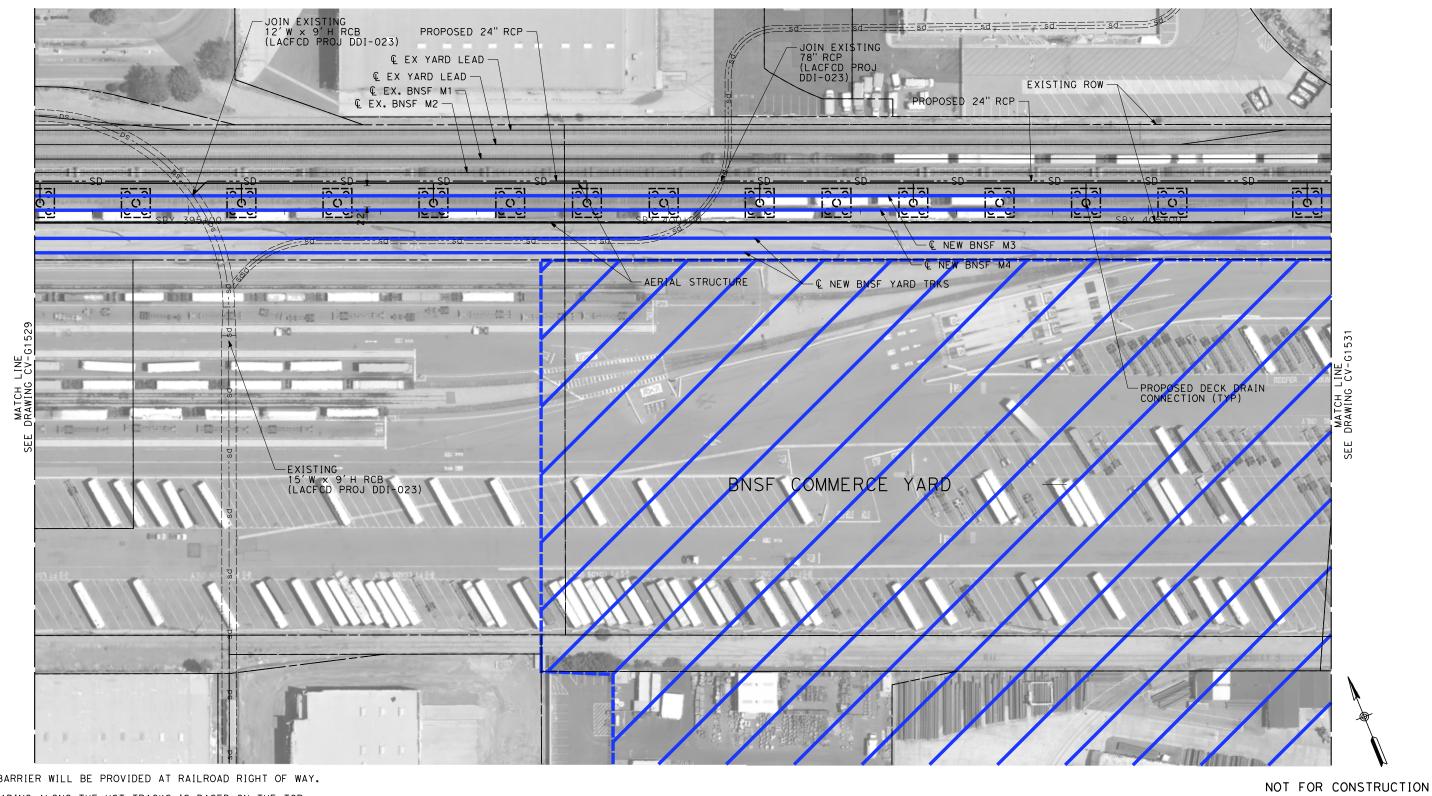
R. WONG DRAWN BY CHECKED BY N CHARGE J. SWANSON DATE BY CHK APP DESCRIPTION 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION







- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.

3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

FOR INTERNAL USE ONLY



						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

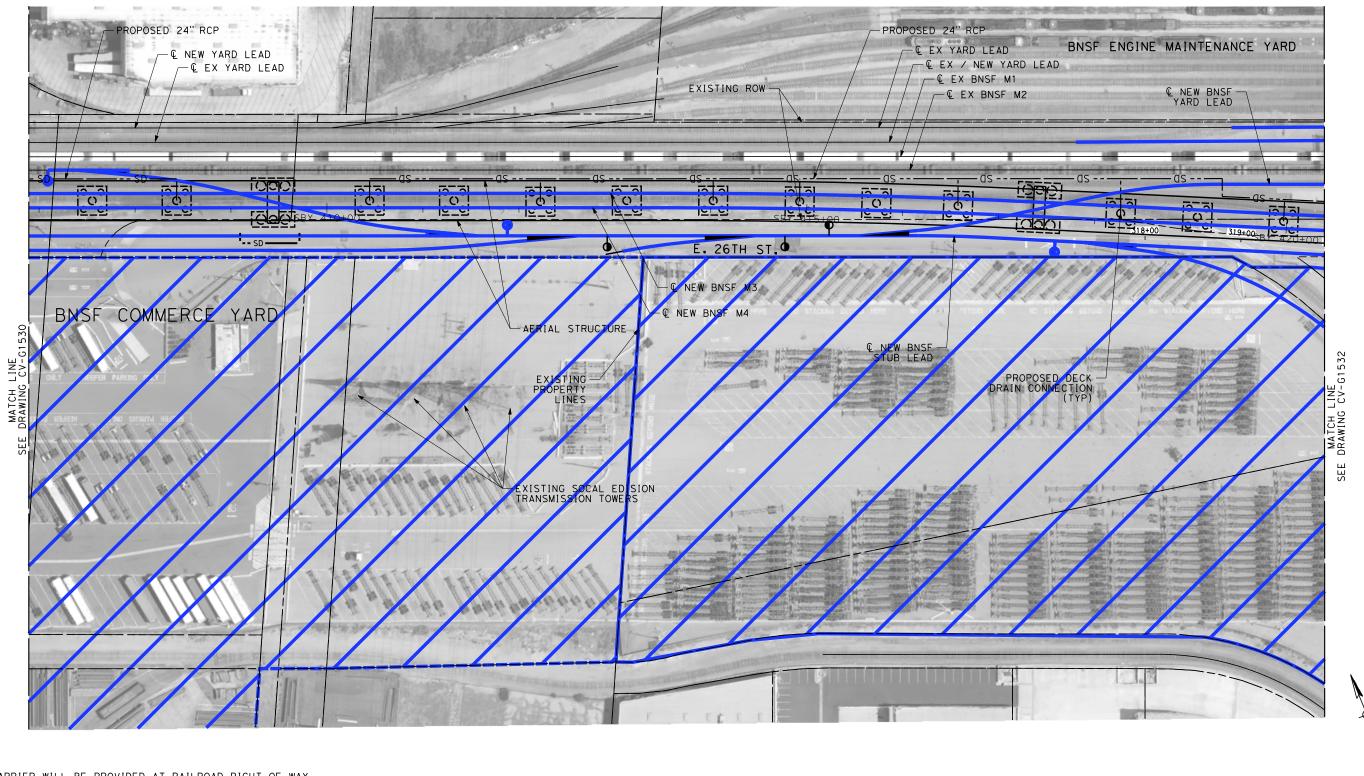




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 393+00 TO STA SBY 406+50

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CONTRACT NO.								
HSR06-0005								
DRAWING NO.								
CV-G1530								
SCALE								
1" = 50'								
SHEET NO.								

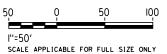


- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

						DESIGNED BY R. WONG	PEPD
						D. BARRAZA	SUBMITTAL FOR INTERNAL
						CHECKED BY	USE ONLY
						M. SATISH	
						J. SWANSON	NOT FOR CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	SS.IS. ROOTION



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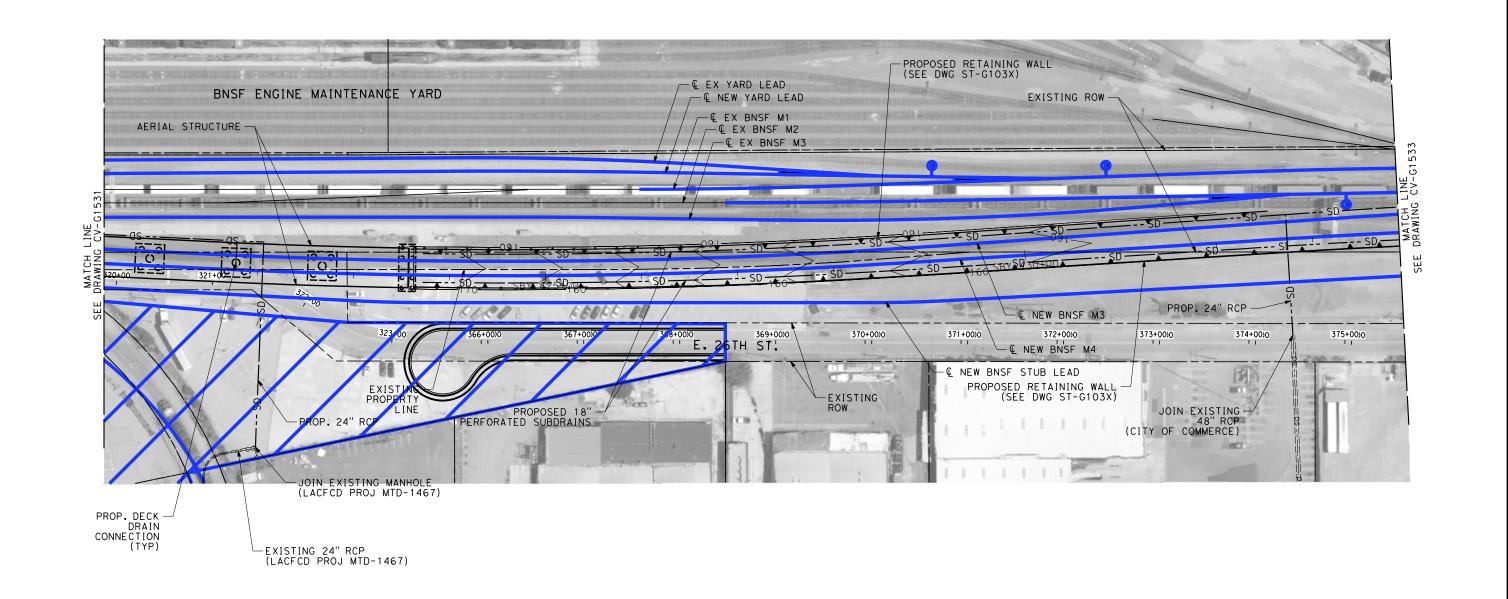


CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION

GRADING AND DRAINAGE

STA SBY 406+50 TO STA SBY 420+00

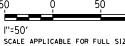
HSR06-0005 CV-G1531 1" = 50' SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONTRACT N
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LOS ANGELES TO ANAHEIM
RECORD SET

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBY 420+00 TO STA SBY 433+50

PLICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1532
ON	1" = 50'

SHEET NO.



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USE ONLY
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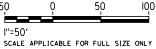




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONTRACT NO.

HSR06-00

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RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 433+50 TO STA SBY 446+00

CONTRACT NO.

HSR06-0005

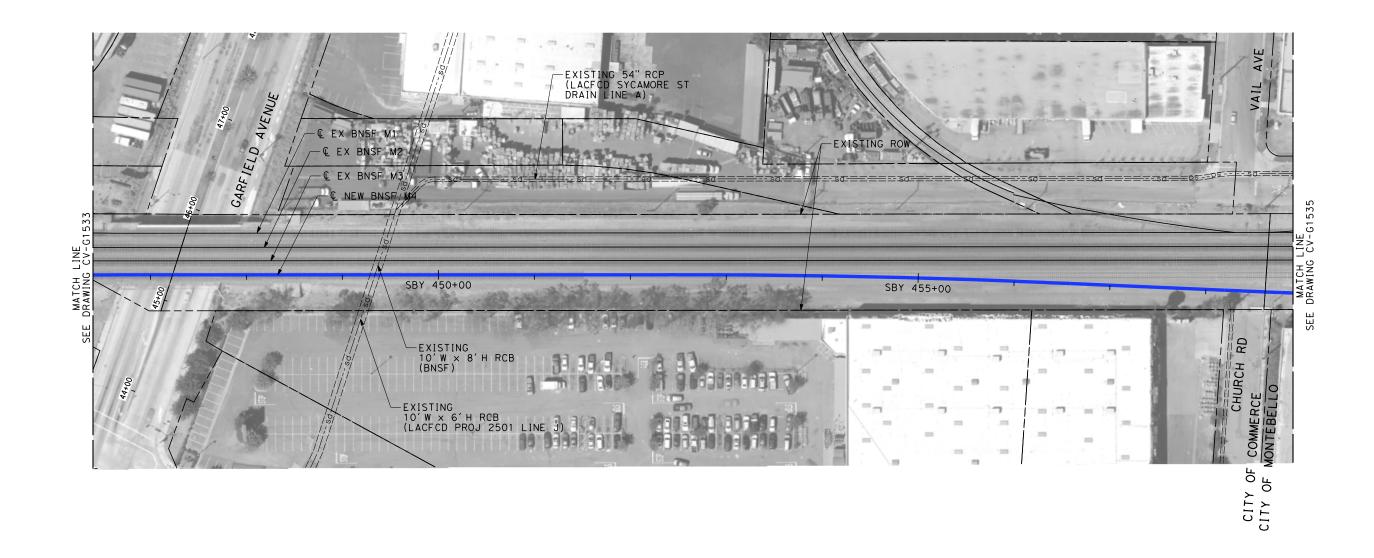
DRAWING NO.

CV-G1533

SCALE

1'' = 50'

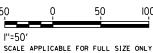
SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG
							D. BARRAZA
							D. BARRAZA
							CHECKED BY
							M. SATISH
€							IN CHARGE
OTs							J. SWANSON
į							DATE
₩	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

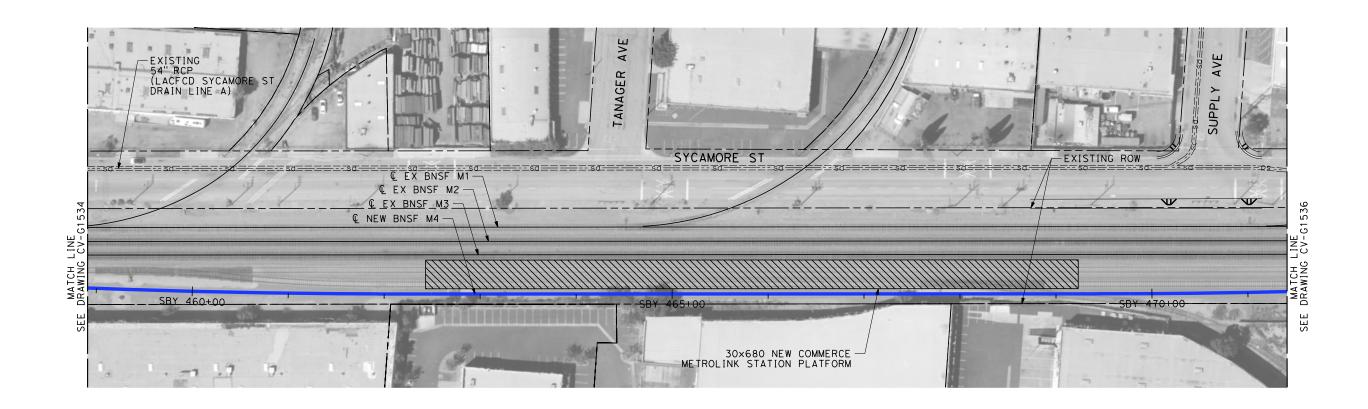




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 446+00 TO STA SBY 458+50

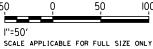
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	CONTRACT NO.						
	HSR06-0005						
	DRAWING NO.						
	CV-G1534						
ĸ.	SCALE						
N	1" = 50'						
	SHEET NO.						



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR06-0005

RAWING NO. CV-G1535 PRELIMINARY ENGINEERING FOR PROJECT DEFINITION 1" = 50'

SHEET NO.

GRADING AND DRAINAGE STA SBY 458+50 TO STA SBY 471+00

LOS ANGELES TO ANAHEIM

RECORD SET

						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION





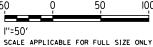


BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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			R. WONG
			DRAWN BY
			D. BARRAZA CHECKED BY
			M. SATISH IN CHARGE
			J. SWANSON

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

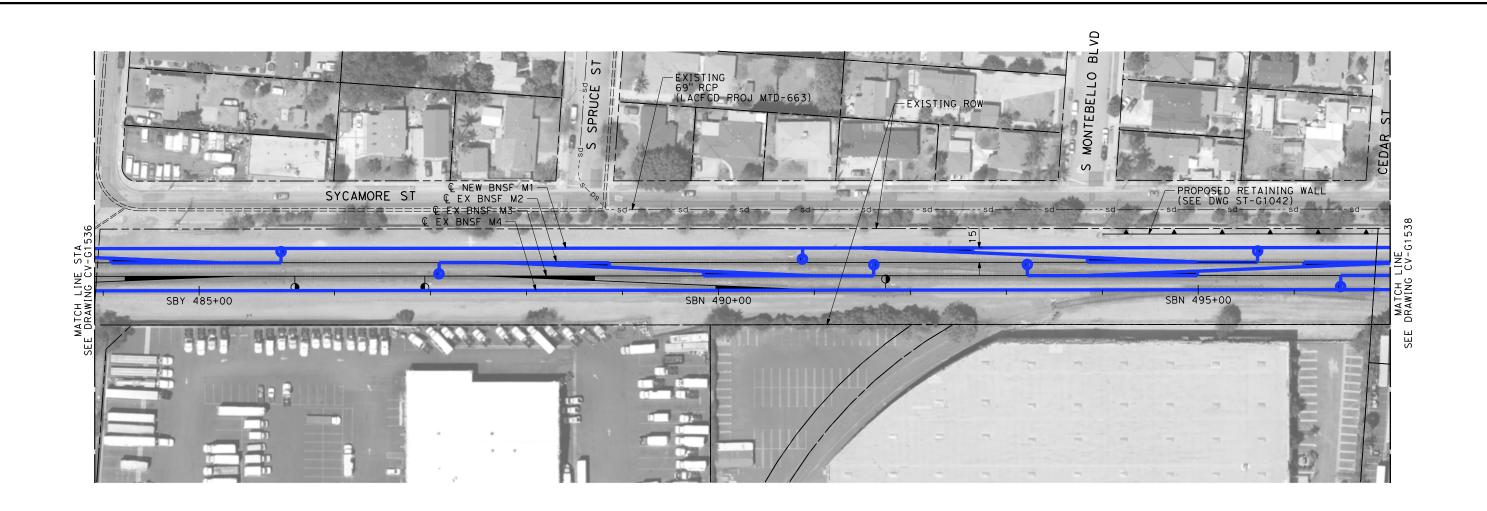




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 471+00 TO STA SBY 483+50

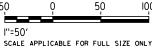
PLICABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1536					
٦N.	SCALE					
NC	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	BY	СНК	ΔPP	DESCRIPTION	DATE

SUBMITTAL FOR INTERNAL USE ONLY

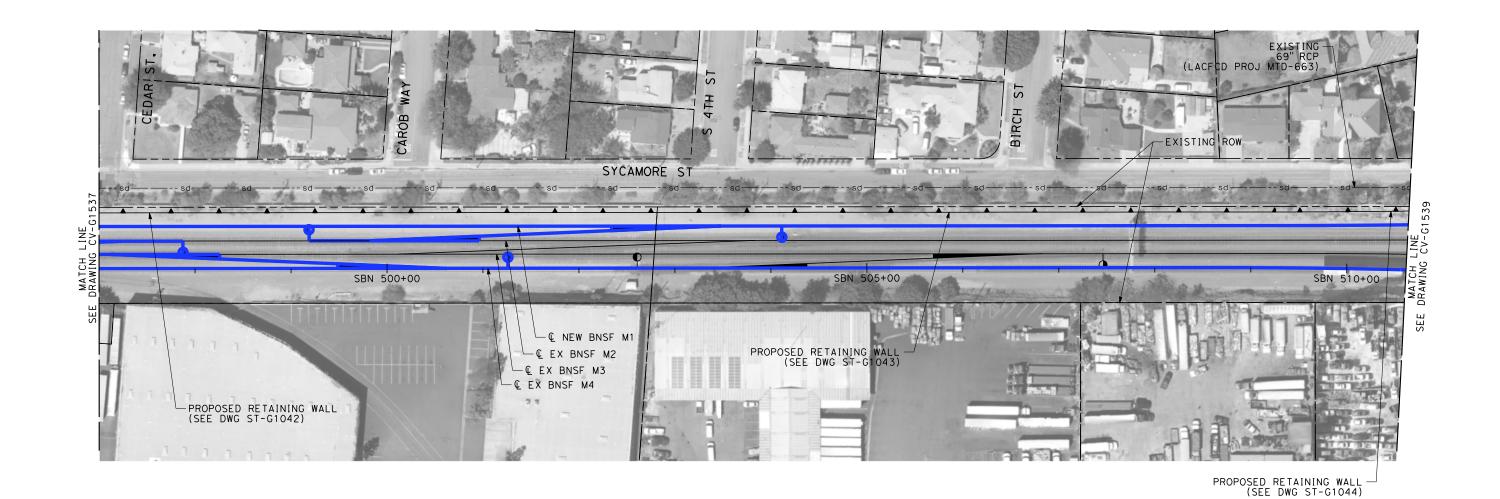
NOT FOR CONSTRUCTION



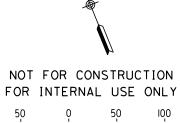
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBY 483+50 TO STA SBN 497+00

CABLE FOR FULL SIZE ONLY		
	CONTRACT NO.	
	HSR06-0005	
	DRAWING NO.	
	CV-G1537	
	SCALE	
N	1" = 50'	
	SHEET NO.	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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l"=50' scale	APPLICABLE	FOR FULL	SIZE ONLY	

							DESIGNED BY R. WONG
							DRAWN BY D. BARRAZA
							CHECKED BY
							M. SATISH
-							IN CHARGE J. SWANSON
	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

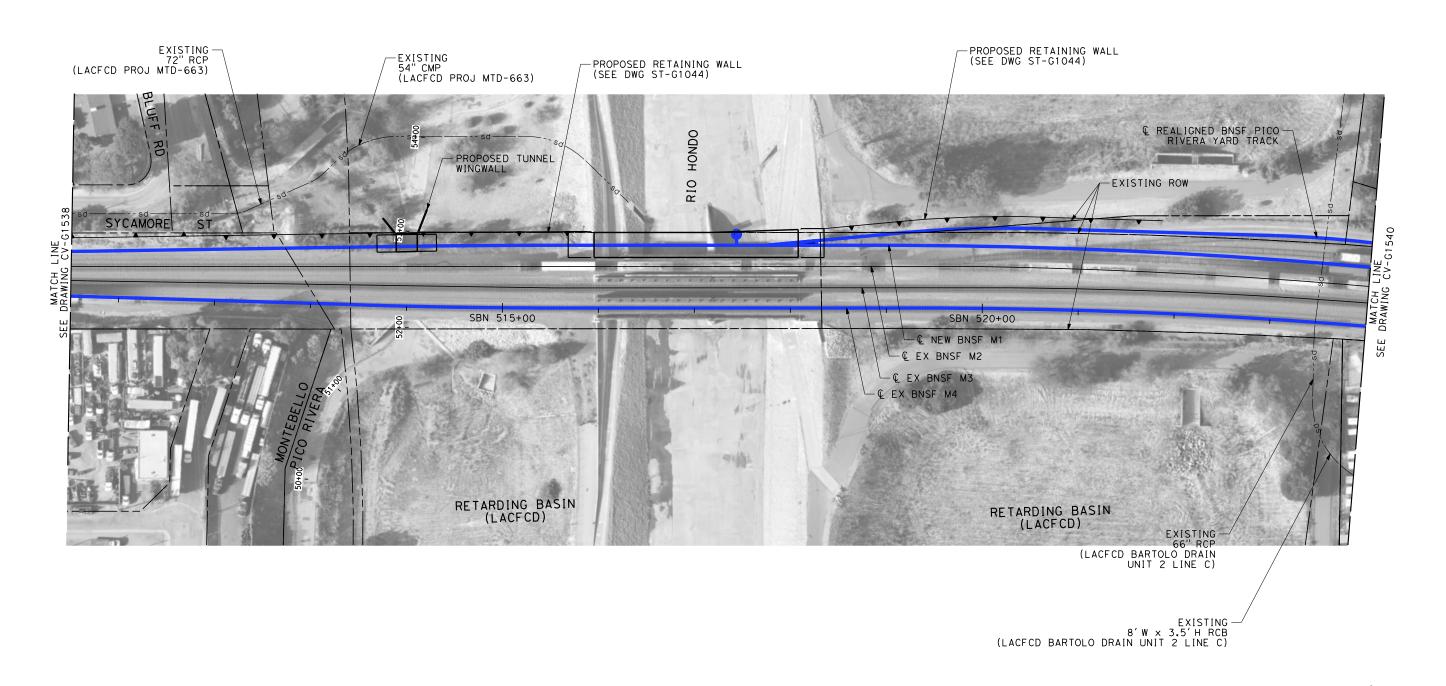
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 497+00 TO STA SBN 510+50

ICABLE FOR FULL SIZE ONLY			
	CONTRACT NO.		
	HSR06-0005		
	DRAWING NO.		
	CV-G1538		
	SCALE		
N	1" = 50'		
	SHEET NO.		

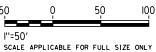


BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



			R. WONG
			DRAWN BY
ī			D. BARRAZA
			CHECKED BY
Ī			M. SATISH
			IN CHARGE
			J. SWANSON

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

DESIGNED BY

NOT FOR CONSTRUCTION

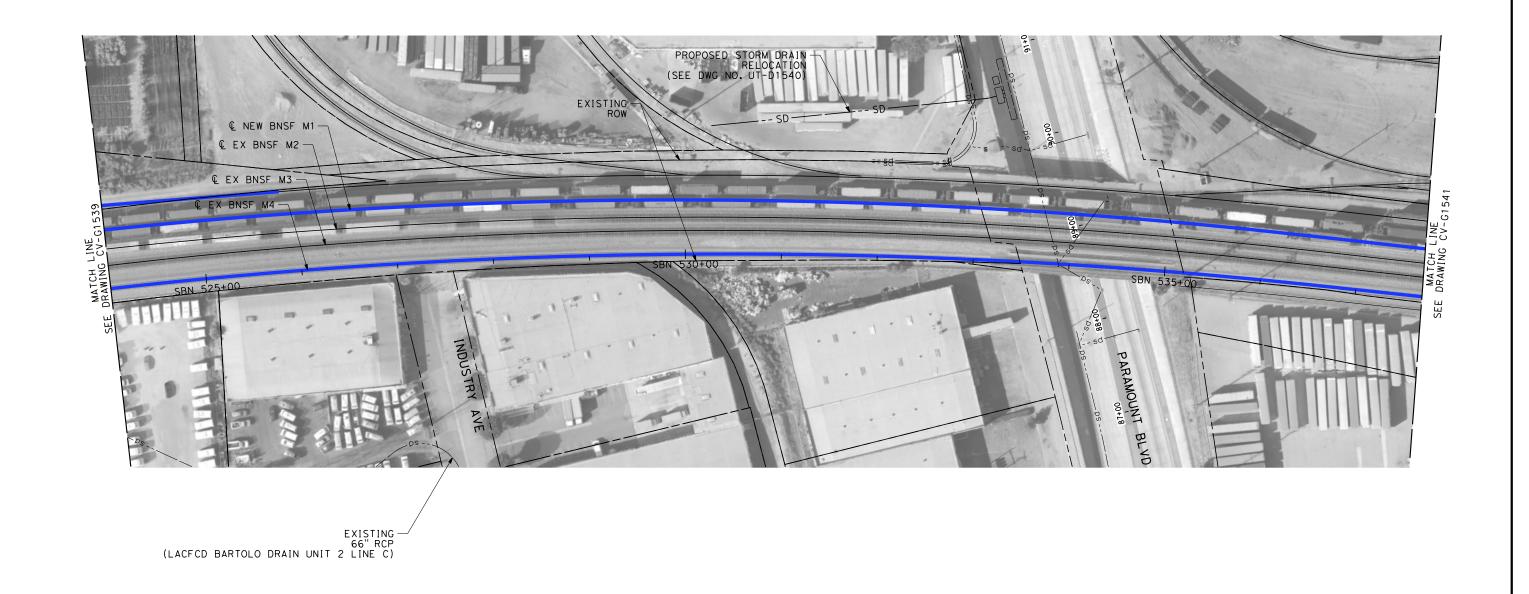




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 510+50 TO STA SBN 524+00

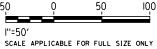
CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO.
	CV-G1539
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

CONTRACT NO.

HSR06-00

						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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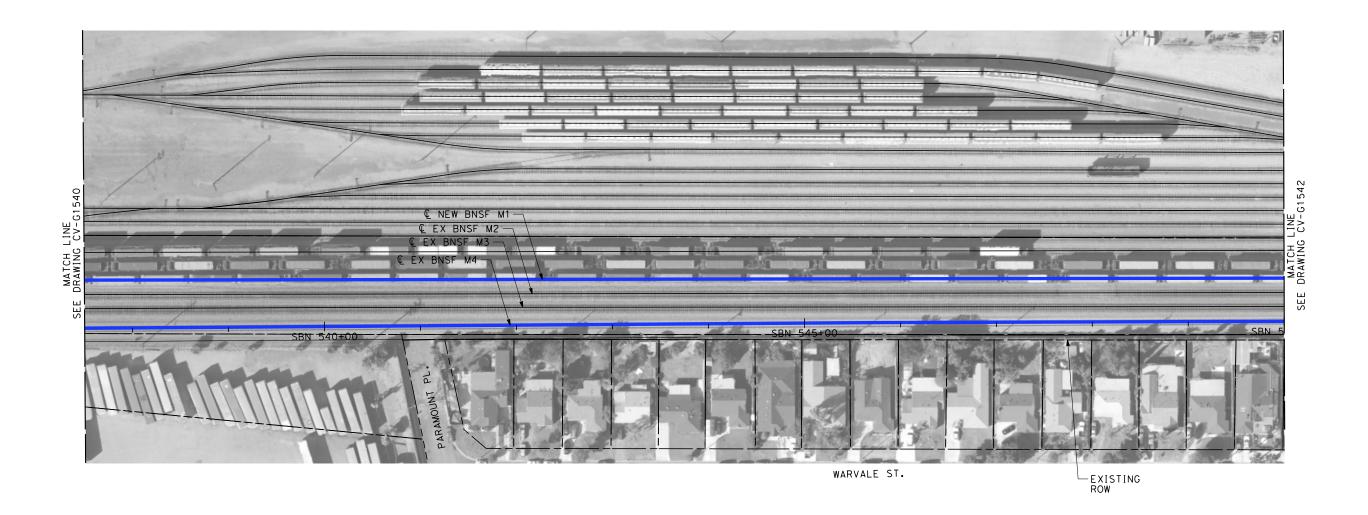
CONSTRUCTION





LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 524+00 TO STA SBN 537+50

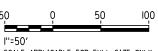
LICABLE FOR FULL SIZE ONLY		
CONTRACT NO. HSRO6-0005		
DRAWING NO.		
CV-G1540		
1" = 50'		
SHEET NO.		
	CONTRACT NO. HSR06-0005 DRAWING NO. CV-G1540 SCALE	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SCALE APP

						DESIGNED BY R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

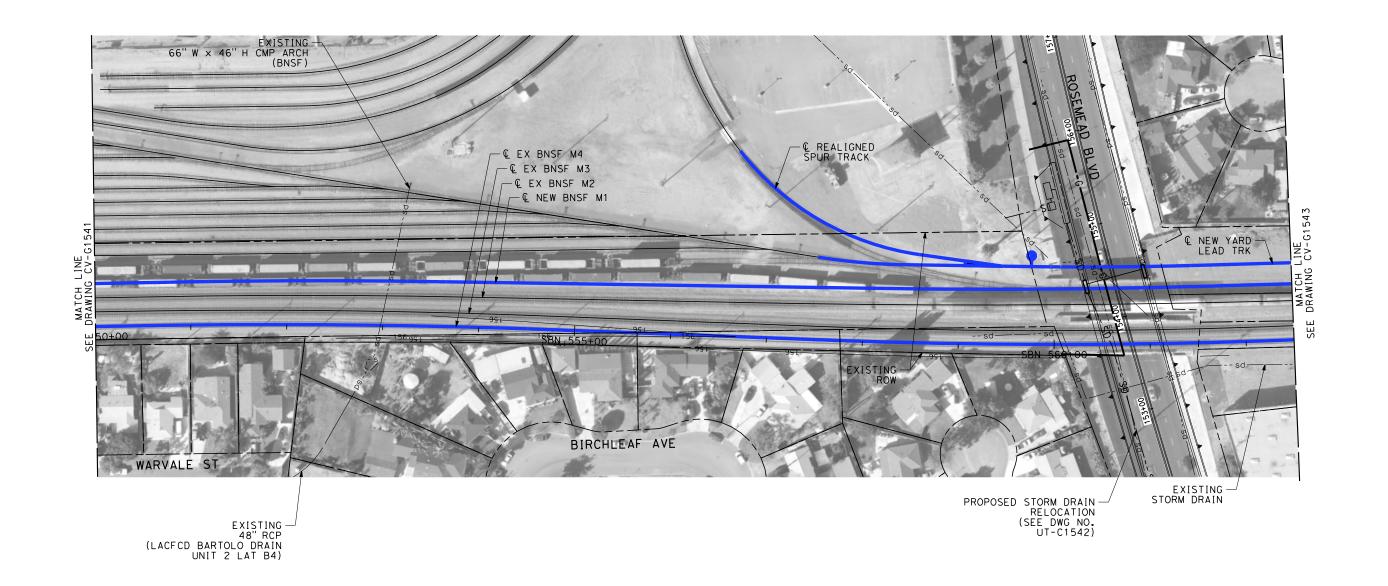




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 537+50 TO STA SBN 550+00

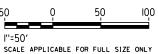
PLICABLE FOR FULL SIZE ONLY		
	CONTRACT NO.	
	HSR06-0005	
	DRAWING NO.	
	CV-G1541	
ON	1" = 50'	
	SHEET NO.	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG
							DRAWN BY
							D. BARRAZA
							CHECKED BY
							M. SATISH
€							IN CHARGE
OTS							J. SWANSON
ب							DATE
₩	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

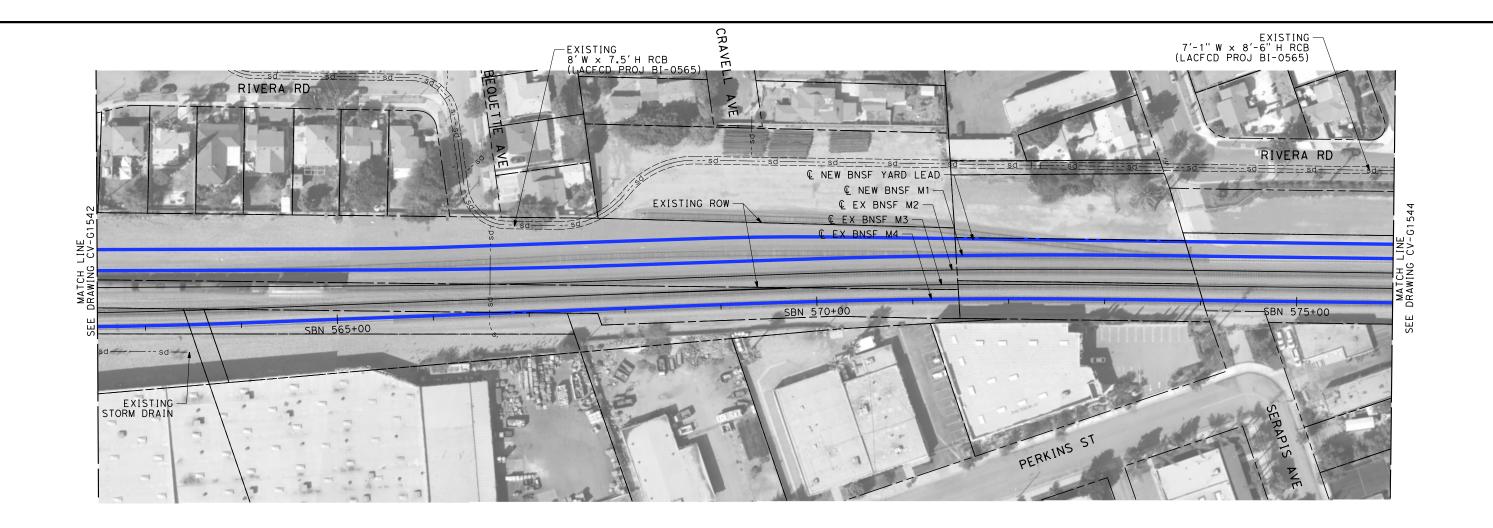
DESIGNED BY



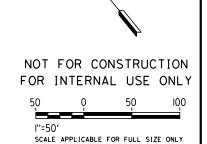
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 550+00 TO STA SBN 562+50

ICAB	ICABLE FOR FULL SIZE ONLY				
	CONTRACT NO. HSR06-0005				
	n3KU0-0U03				
	DRAWING NO.				
	CV-G1542				
N	SCALE				
IN.	1" = 50'				
	SHEET NO.				



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
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CONSTRUCTION

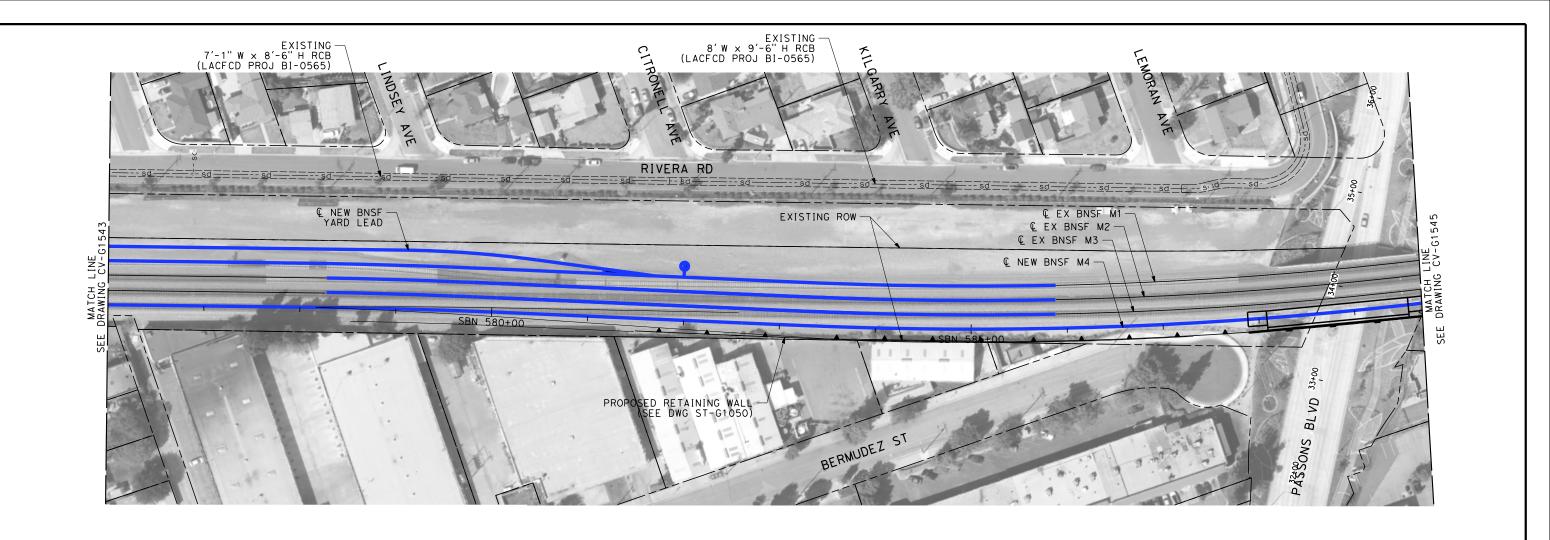
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 562+50 TO STA SBN 576+00

LICABLE FOR FULL SIZE ONLY					
CONTRACT NO.	ı				
HSR06-0005	l				
DRAWING NO.	ı				
CV-G1543	l				
1" = 50'					
SHEET NO.					
	CONTRACT NO. HSR06-0005 DRAWING NO. CV-G1543 SCALE 1'' = 50'				



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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0	0	50	100	
''=50 scale)' E APPLICABLE	FOR FULL	. SIZE ONLY	

RAWING NO.

SHEET NO.

HSR06-0005

CV-G1544

1" = 50'

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 576+00 TO STA SBN 589+50

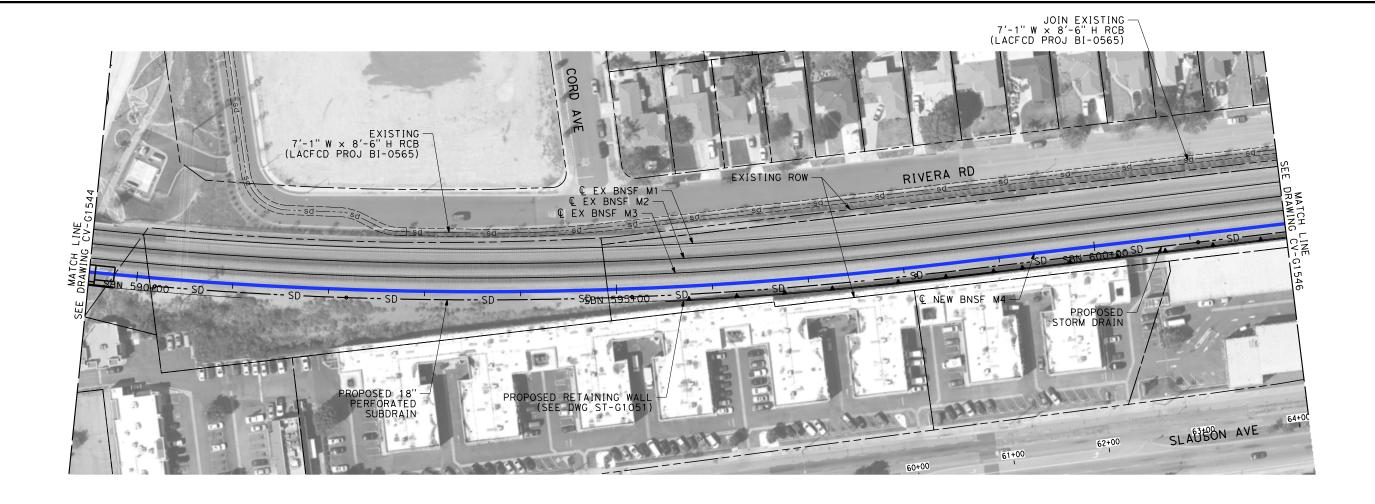
						DESIGNED BY R. WONG
						D. BARRAZA
						CHECKED BY M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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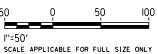




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



FOR INTERNAL USE ONLY



		_					DESIGNED BY R. WONG
							D. BARRAZA
							CHECKED BY
							M. SATISH IN CHARGE
-							J. SWANSON
T	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

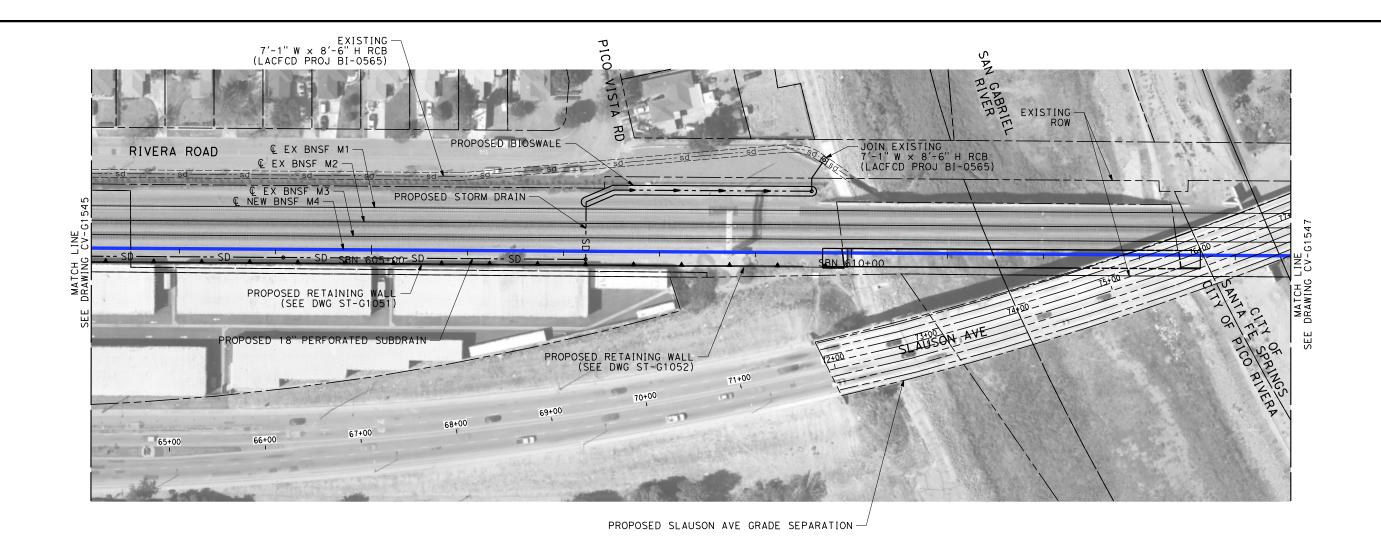
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 589+50 TO STA SBN 602+00

ICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1545
ĸi	SCALE
N	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

l''=50'

SCALE APPLIC

DESIGNED BY DRAWN BY CHECKED BY CHARGE DATE BY CHK APP DESCRIPTION 02/28/25

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

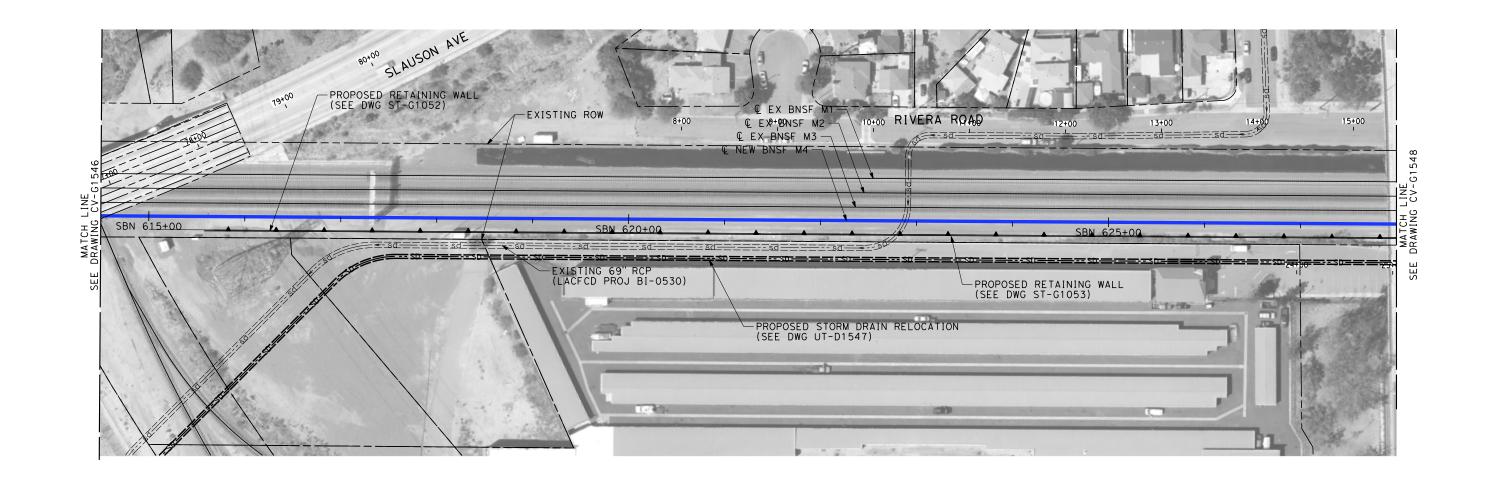




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 602+00 TO STA SBN 614+50

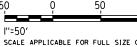
AB	ABLE FOR FULL SIZE ONLY						
	CONTRACT NO. HSRO6-0005						
	DRAWING NO.						
	CV-G1546						
I	scale 1" = 50'						
	SHEET NO.						



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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						DESIGNED BY R. WONG
						D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

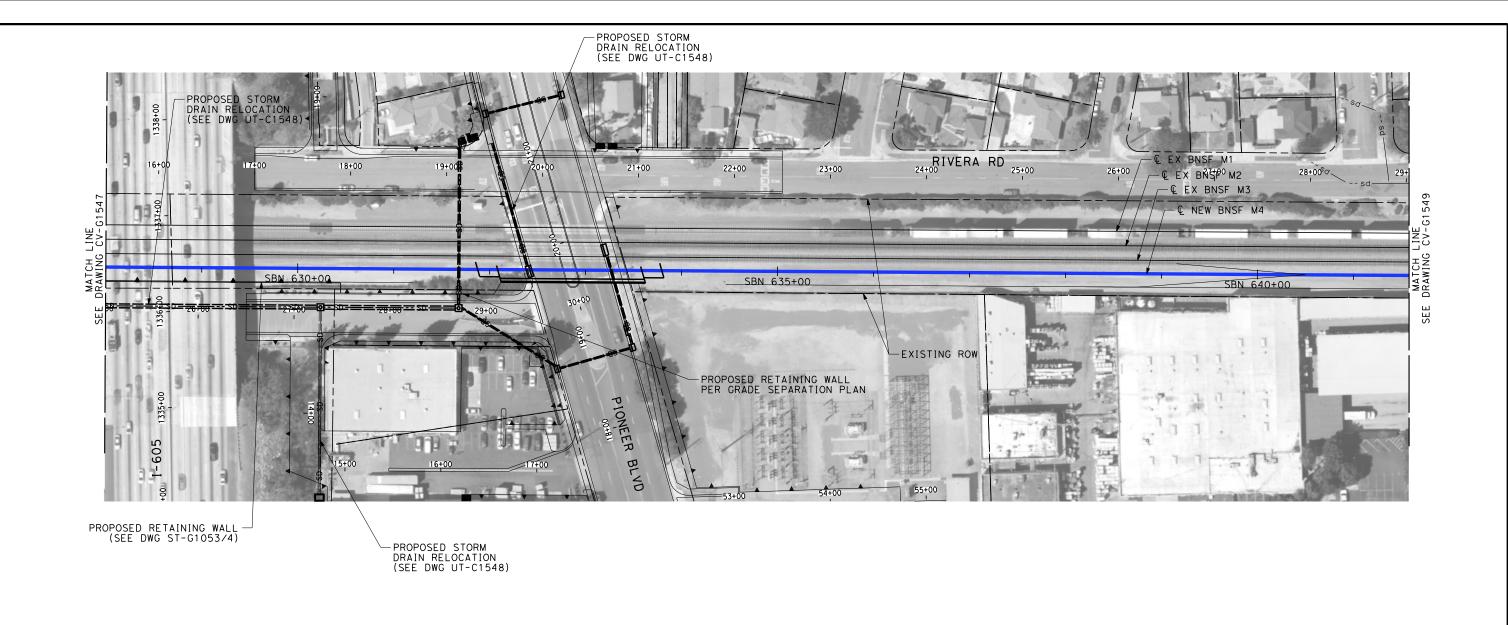




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 614+50 TO STA SBN 628+00

CAB	CABLE FOR FULL SIZE ONLY				
	CONTRACT NO.				
	HSR06-0005				
	DRAWING NO.				
	CV-G1547				
.	SCALE				
N	1" = 50'				
	SHEET NO.				



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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50 0 50 100

I"=50"

SCALE APPLICABLE FOR FULL SIZE ONLY

							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
⊕ ○							IN CHARGE J. SWANSON
쑮	REV	DATE	BY	СНК	APP	DESCRIPTION	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
GRADING AND DRAINAGE
STA SBN 628+00 TO STA SBN 641+50

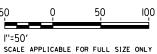
AB	ABLE FOR FULL SIZE ONLY							
	CONTRACT NO.							
	HSR06-0005							
	DRAWING NO.							
	CV-G1548							
ı١	SCALE							
'	1" = 50'							
	SHEET NO.							



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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							R. WONG	İ
							DRAWN BY D. BARRAZA	
							CHECKED BY	
							M. SATISH	
9							J. SWANSON	
7	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	

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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 641+50 TO STA SBN 654+00

ICABLE FOR FULL SIZE ONLY							
	CONTRACT NO.						
	HSR06-0005						
	DRAWING NO.						
	CV-G1549						
NI	SCALE						
N	1" = 50'						
	SHEET NO.						



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG	ĺ
							DRAWN BY	ĺ
							CHECKED BY	ĺ
							M. SATISH	ĺ
9 -							IN CHARGE J. SWANSON	
ļ Ļ	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	

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FOR INTERNAL
USE ONLY
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CONSTRUCTION

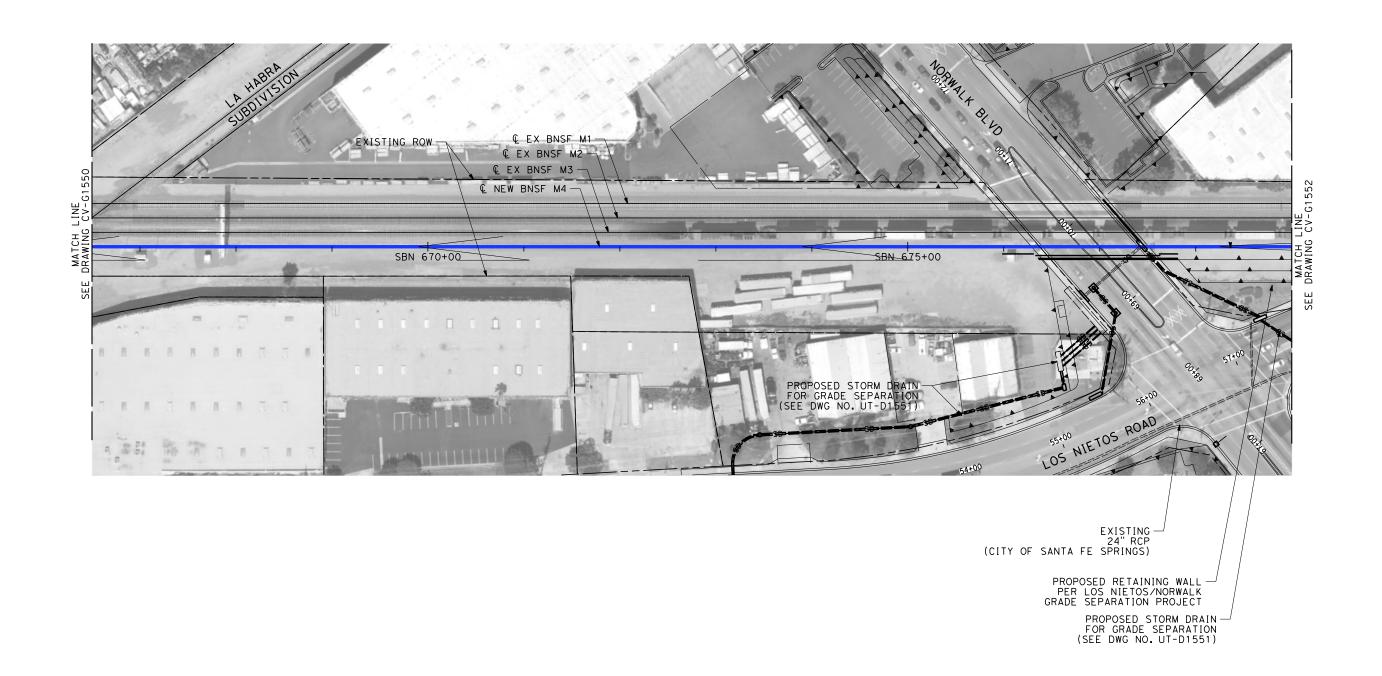




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 654+00 TO STA SBN 666+50

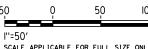
ICABLE FOR FULL SIZE ONLY							
	CONTRACT NO. HSRO6-0005						
	DRAWING NO.						
	CV-G1550						
N	SCALE						
IN	1" = 50'						
	SHEET NO.						



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 666+50 TO STA SBN 679+00

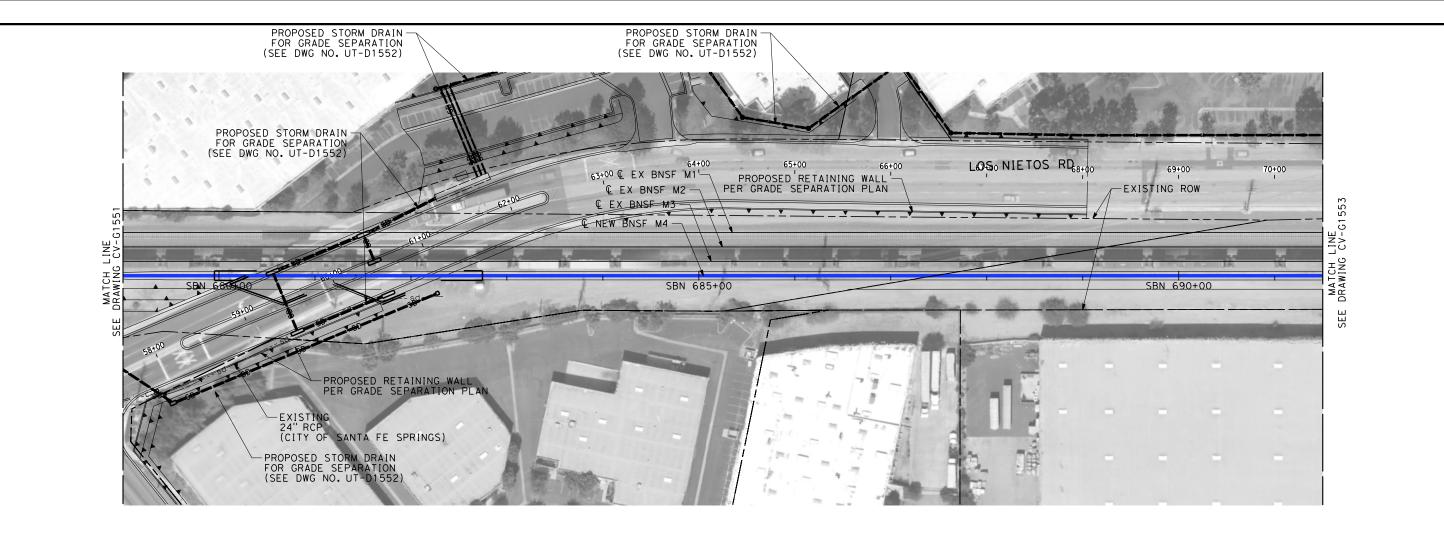
CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1551
.	SCALE
1	1" = 50'
	SHEET NO.

						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SCALE APPLICAT

						DESIGNED BY R. WONG
						D. BARRAZA
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

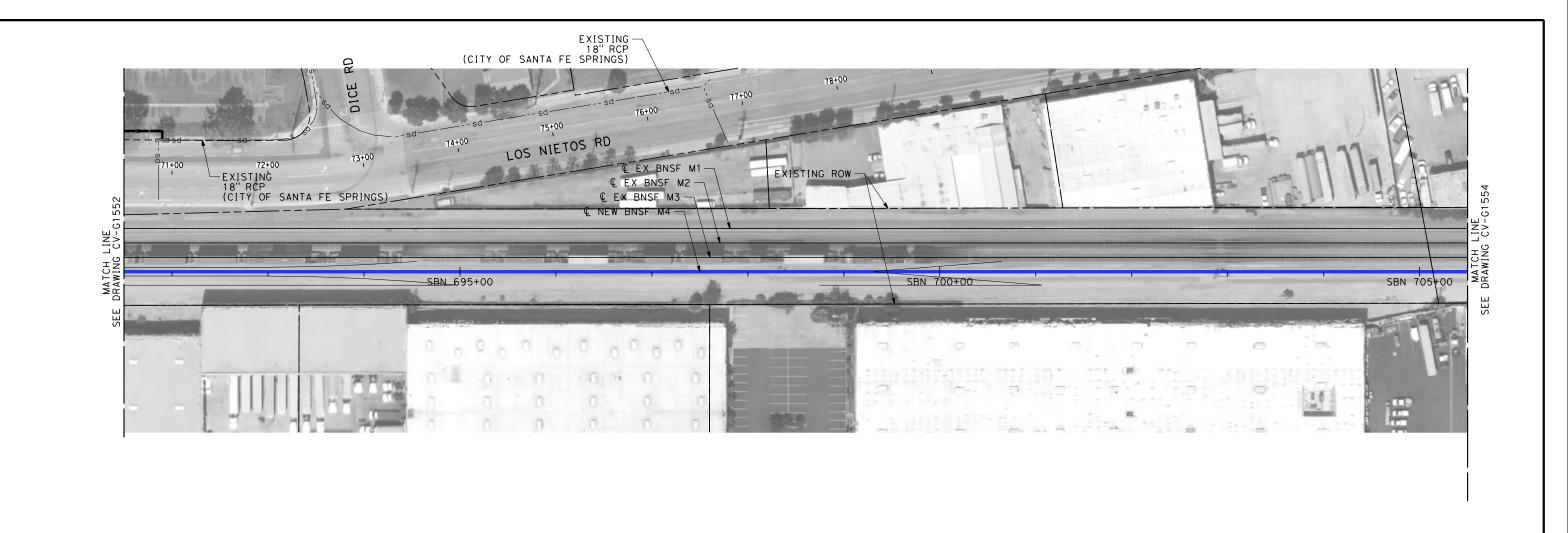




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 679+00 TO STA SBN 691+50

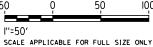
BLE FOR FULL SIZE ONLY							
CONTRACT NO. HSRO6-0005							
DRAWING NO.	\dashv						
CV-G1552							
1" = 50'							
SHEET NO.							



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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E APPLICABLE FOR

CALIFORNIA HIGH-SPEED TRAIN PROJECT

HSR06-0005

DRAWING NO.

CV-G1553

1" = 50'

REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	
						IN CHARGE J. SWANSON	ı
						M. SATISH	ı
						CHECKED BY	ı
						DRAWN BY D. BARRAZA	ı
						DESIGNED BY R. WONG	

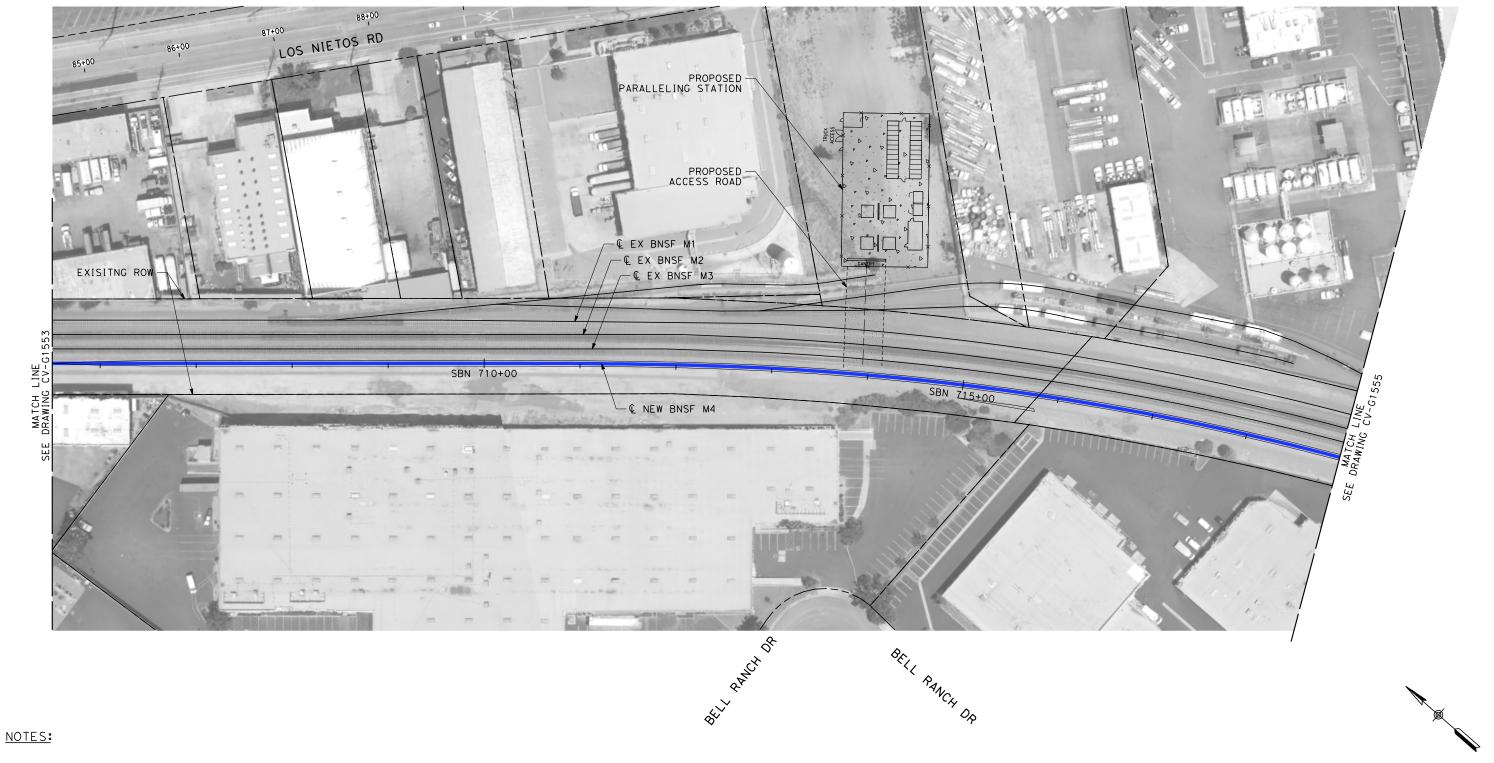
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USE ONLY
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CONSTRUCTION





RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 691+50 TO STA SBN 705+50



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

						DESIGNED BY R. WONG	PEPD
						DRAWN BY	SUBMITTAL FOR INTERNAL
						CHECKED BY	USE ONLY
						M. SATISH IN CHARGE	
						J. SWANSON	NOT FOR CONSTRUCTION
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	CONSTRUCTION



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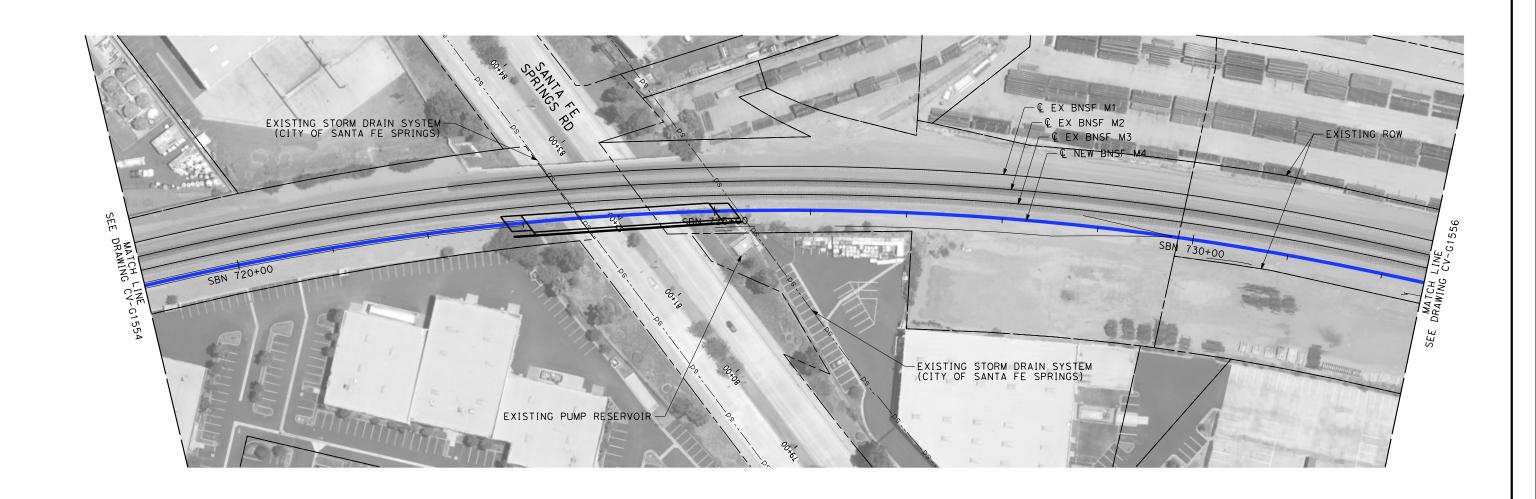
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l''=50'			
SCALE	ADDI TOADI E	EOD EIII I	SITE ONLY

LOS ANGELES TO ANAHEIM RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE

STA SBN 705+50 TO STA SBN 719+00

CALIFORNIA HIGH-SPEED TRAIN PROJECT

ICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1554
N	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
\$10							IN CHARGE J. SWANSON
\$PL	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

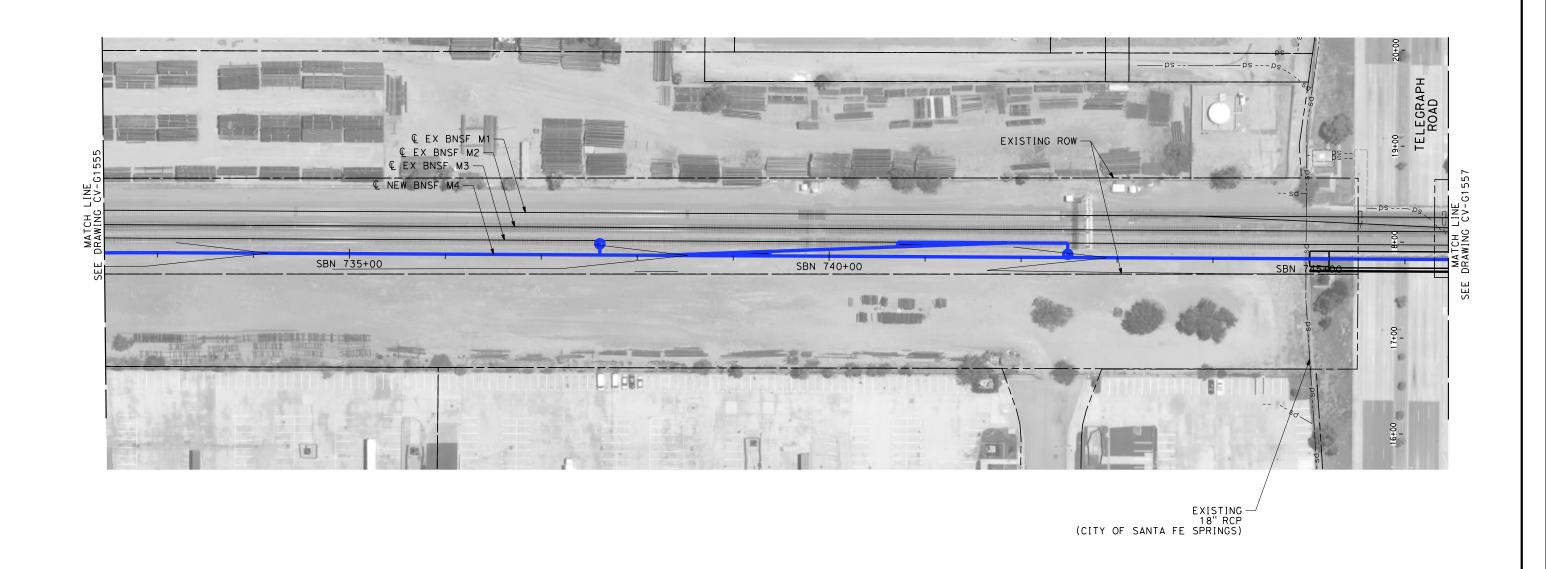
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

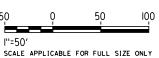
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 719+00 TO STA SBN 732+50

CAB	CABLE FOR FULL SIZE ONLY								
	CONTRACT NO.								
	HSR06-0005								
	DRAWING NO.								
	CV-G1555								
	SCALE								
N	1" = 50'								
	SHEET NO.								



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

NOT	FOR	CONS	STRUC	TION	
	INITE	DALAC	HICE	ONLY	



						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

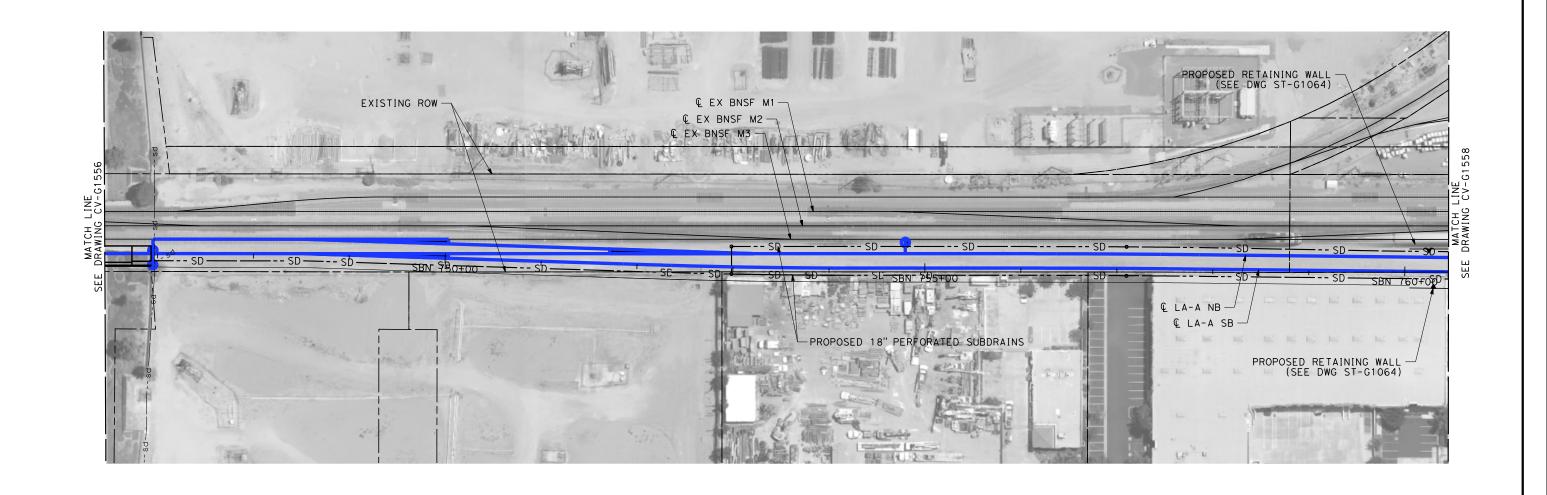




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 732+50 TO STA SBN 746+50

BLE FOR FULL SIZE ONLY								
CONTRACT NO.								
HSR06-0005								
DRAWING NO.								
CV-G1556								
SCALE								
1" = 50'								
SHEET NO.								



DATE

BY CHK APP

1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.

DESCRIPTION

- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.





NOT FOR CONSTRUCTION

SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

DESIGNED BY

DRAWN BY D. BARRAZA

CHECKED BY M. SATISH

N CHARGE J. SWANSON

02/28/25

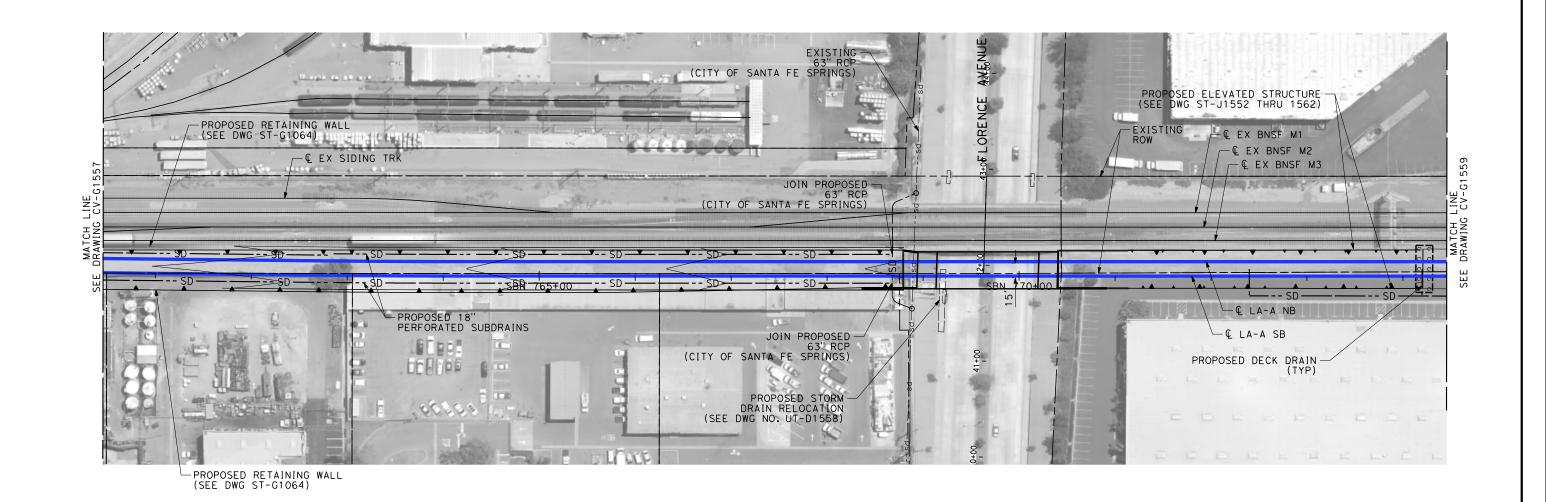
stv



LOS ANGELES TO ANAHEIM RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 746+50 TO STA SBN 760+50

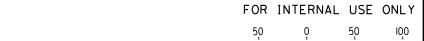
CALIFORNIA HIGH-SPEED TRAIN PROJECT

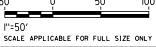
CONTRACT NO.								
HSR06-0005								
DRAWING NO.								
CV-G1557								
SCALE								
1" = 50'								
SHEET NO.								



BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.





NOT FOR CONSTRUCTION

		<u> </u>				DESIGNED BY R. WONG
		<u> </u>	<u></u> —'	\sqcup	—'	D. BARRAZA
	\square		∟'	\sqcup	∟'	CHECKED BY
					Ĺ'	M. SATISH IN CHARGE
1	-		\Box	\Box	$rac{1}{2}$	I SWANSON

DESCRIPTION

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02/28/25

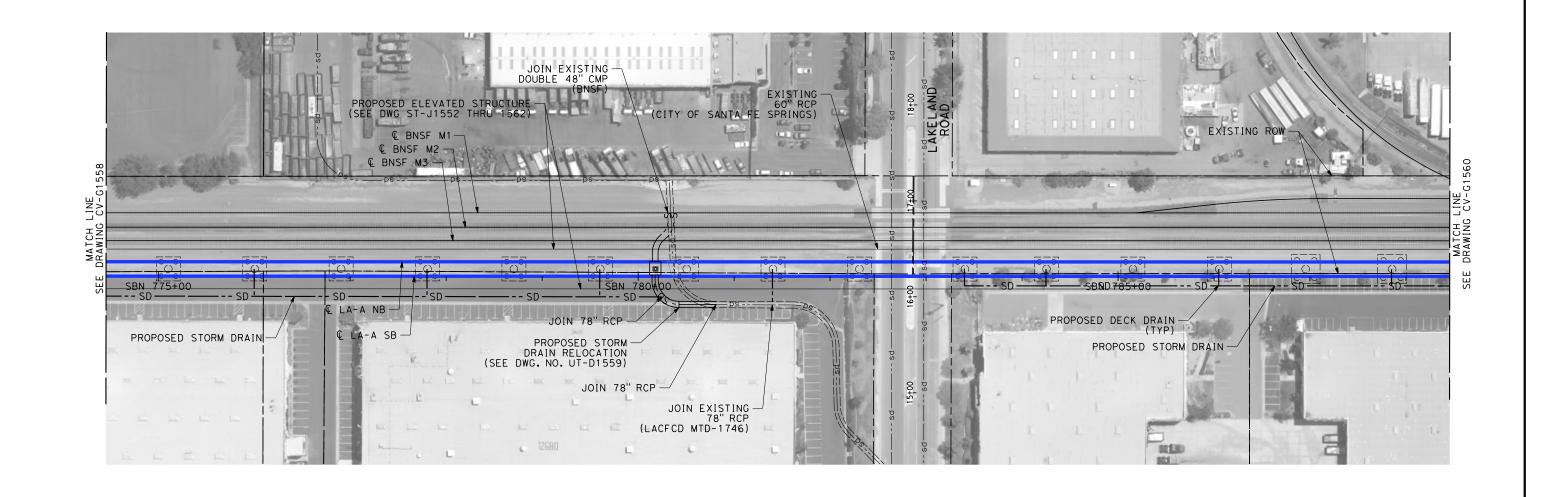




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 760+50 TO STA SBN 774+50

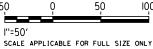
_	
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1558
	SCALE
	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SHEET NO.

CALIFORNIA HIGH-SPEED TRAIN PROJECT

HSR06-0005 CV-G1559 PRELIMINARY ENGINEERING FOR PROJECT DEFINITION 1" = 50'

GRADING AND DRAINAGE STA SBN 774+50 TO STA SBN 788+50

LOS ANGELES TO ANAHEIM

RECORD SET

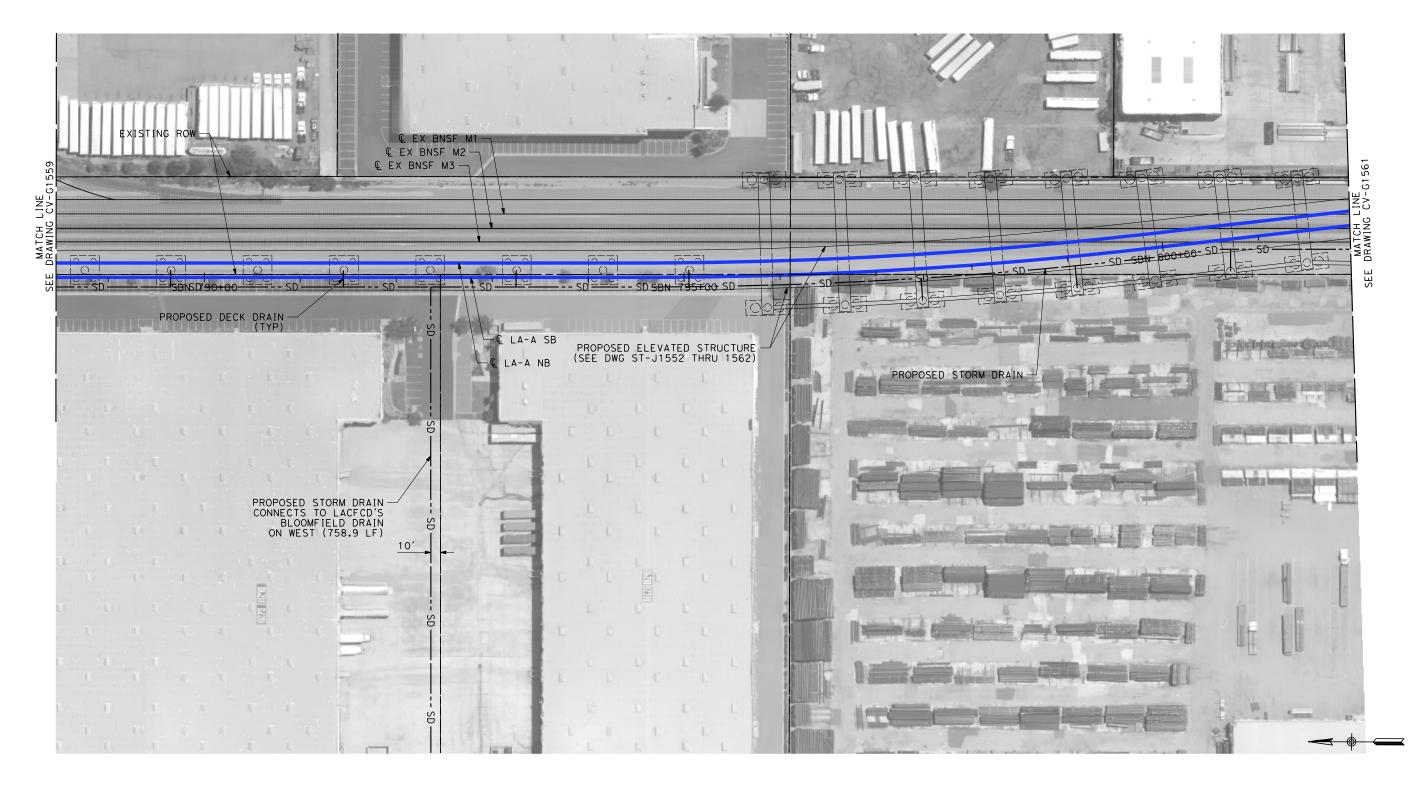
						DESIGNED BY R. WONG DRAWN BY D. BARRAZA CHECKED BY M. SATISH IN CHARGE J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

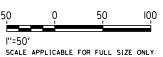






- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

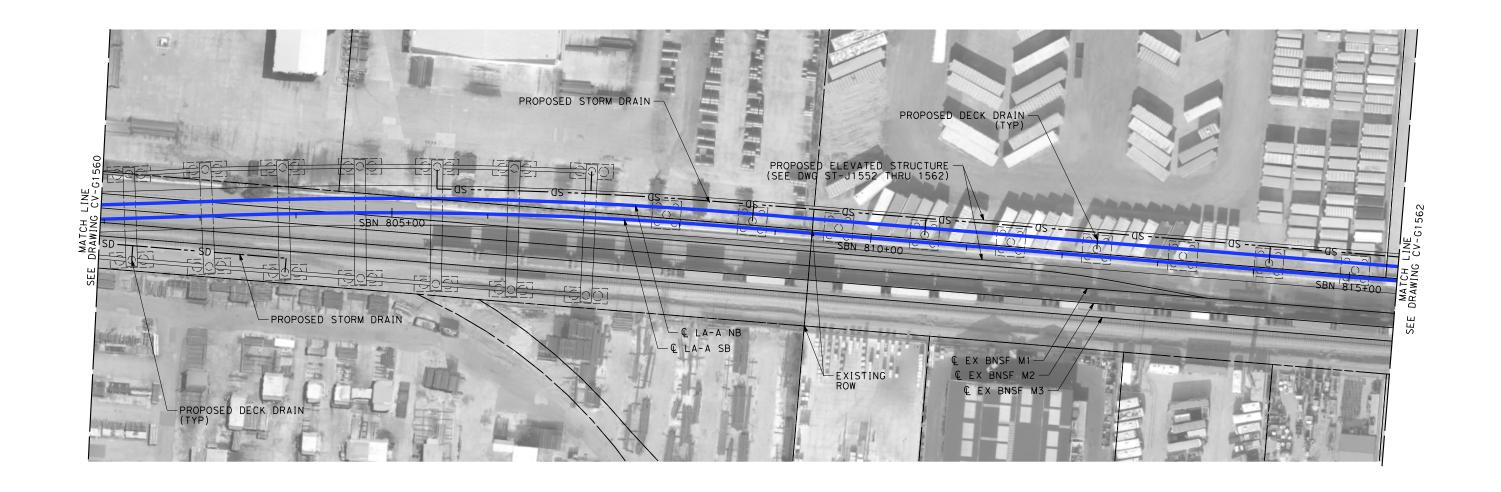
stv



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 788+50 TO STA SBN 802+00

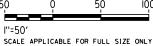
AB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1560
	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



_		<u> </u>	<u> </u>	R. WONG
				DRAWN BY
				CHECKED BY
				M. SATISH
				IN CHARGE
				J. SWANSON

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

DESIGNED BY

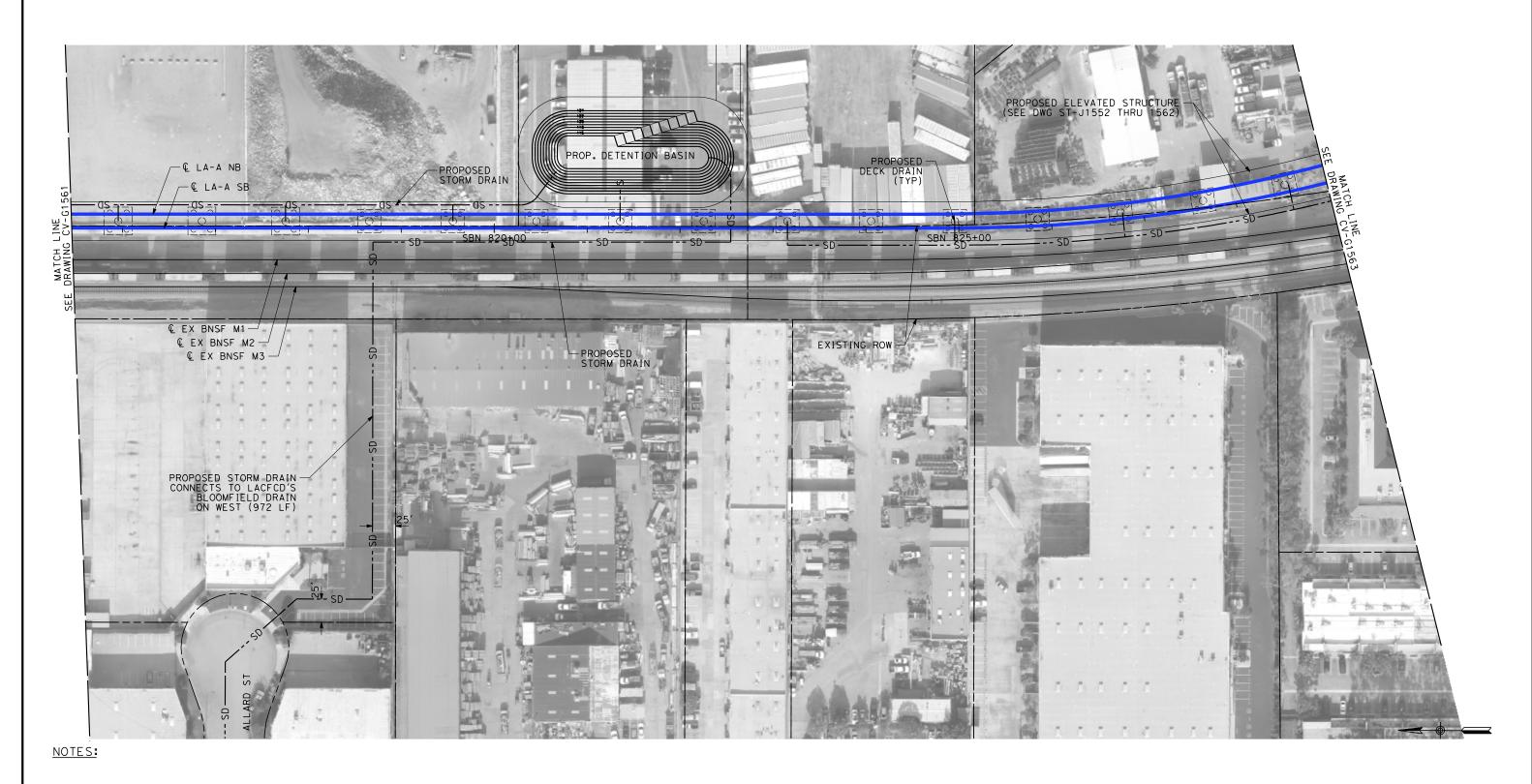




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

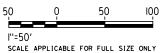
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 802+00 TO STA SBN 815+50

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO.
	CV-G1561
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



<u> </u>	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	ĺ
<u> </u>							J. SWANSON	ı
							M. SATISH	İ
							CHECKED BY	ĺ
L							DRAWN BY	İ
L							R. WONG	ĺ

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

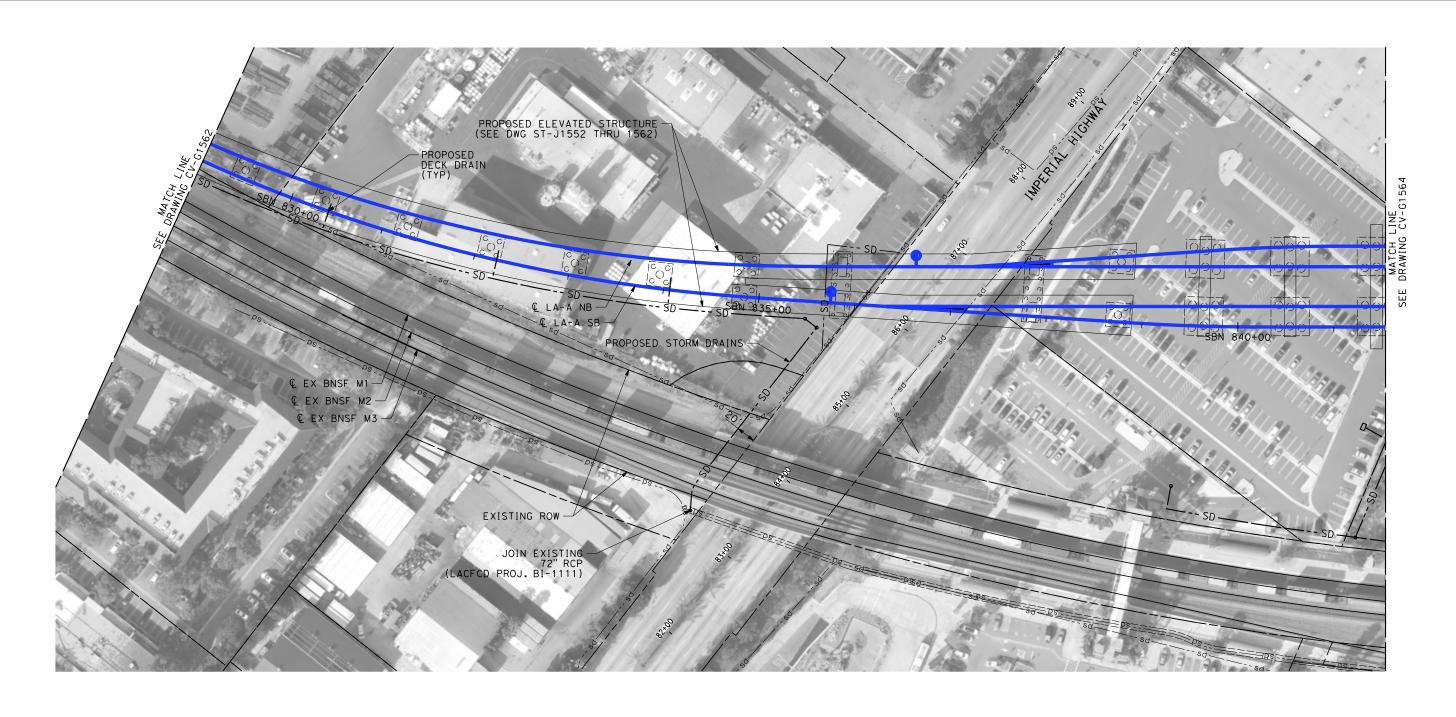




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 815+50 TO STA SBN 829+00

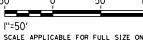
AB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1562
	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	
							J. SWANSON	ı
							M. SATISH IN CHARGE	ı
L							CHECKED BY	ĺ
L							DRAWN BY	l
L							R. WONG	ı

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

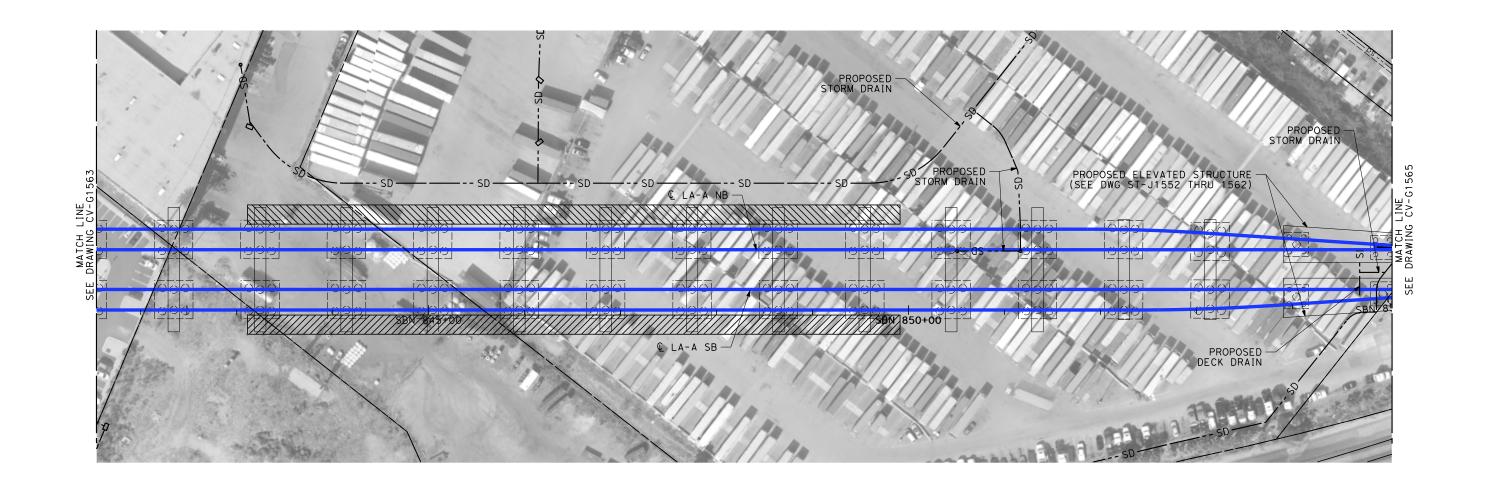




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 829+00 TO STA SBN 841+50

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	DRAWING NO. CV-G1563
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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I"=50'
SCALE APPLICABLE FOR FULL SIZE

							R. WONG	ĺ
							DRAWN BY	ĺ
							CHECKED BY	ĺ
							M. SATISH	ĺ
9 -							IN CHARGE J. SWANSON	
ļ Ļ	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

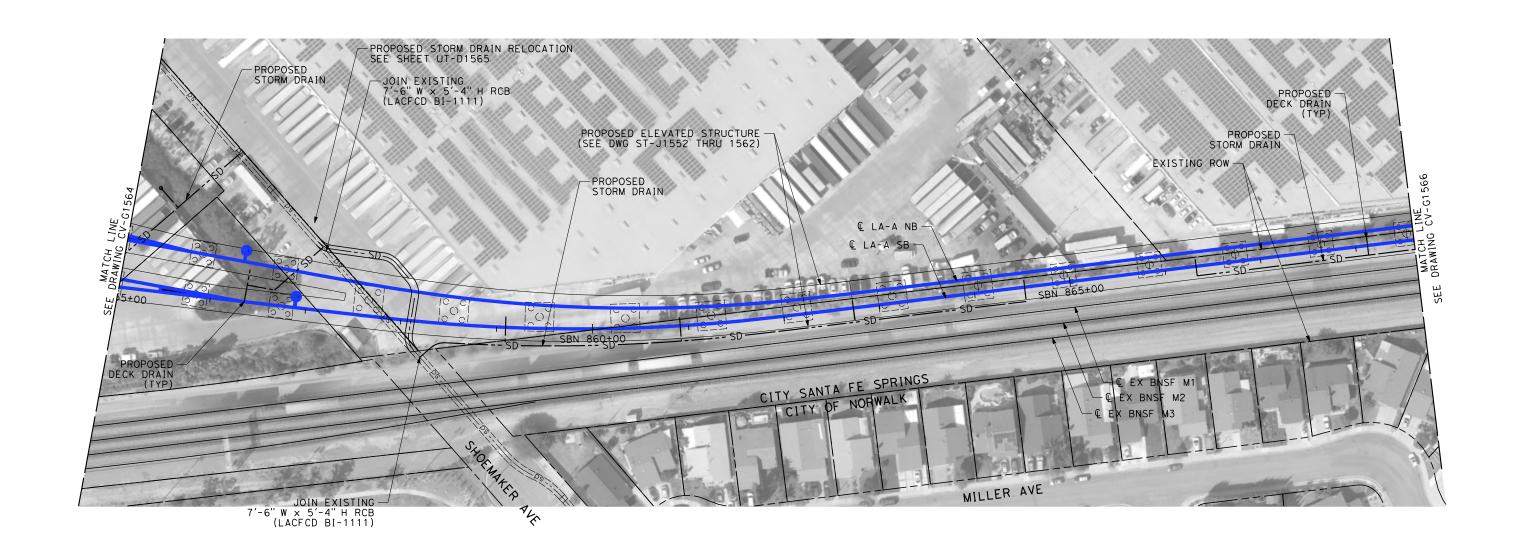




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 841+50 TO STA SBN 855+00

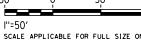
CABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1564					
.	SCALE					
V	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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R	Eν	DATE	BY	СНК	APP	DESCRIPTION	02/28/25
							J. SWANSON
							M. SATISH
							CHECKED BY
							DRAWN BY
							R. WONG

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

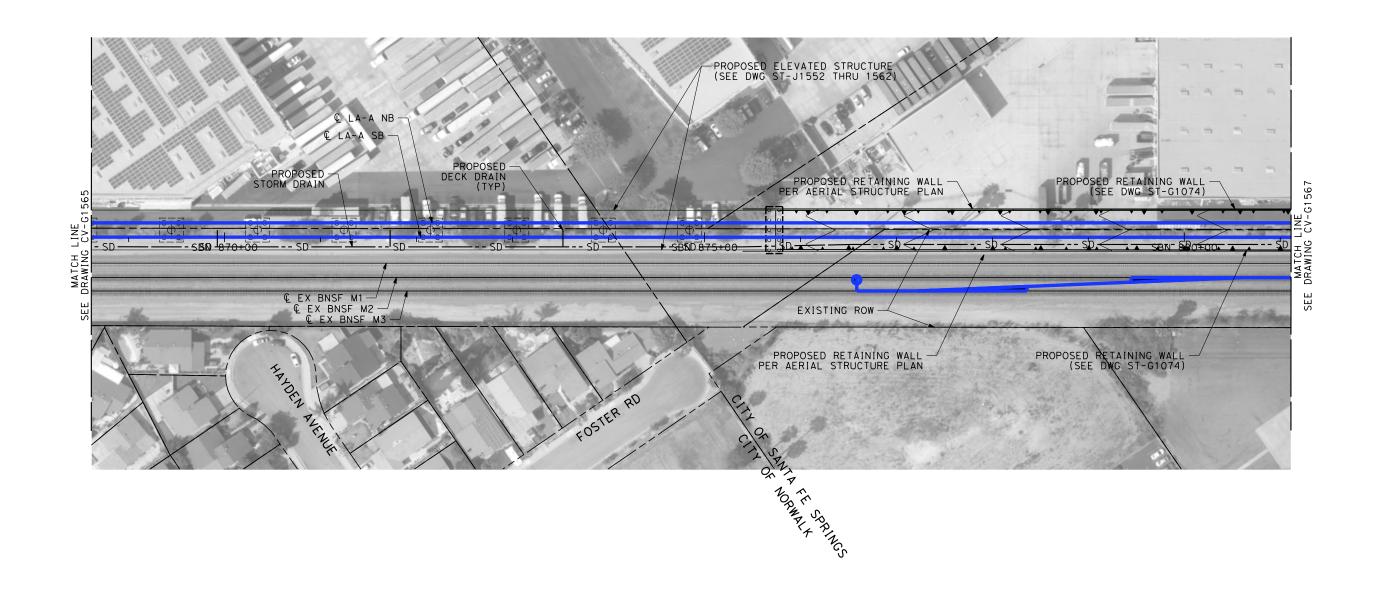
stv



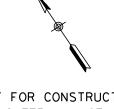
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 855+00 TO STA SBN 868+50

ICABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1565					
N	SCALE					
IN.	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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l''=50' SCALE APPL

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 868+50 TO STA SBN 881+00

ICAB	ICABLE FOR FULL SIZE ONLY						
	CONTRACT NO.						
	HSR06-0005						
	DRAWING NO.						
	CV-G1566						
N	SCALE						
IN	1" = 50'						
	SHEET NO.						
	1						

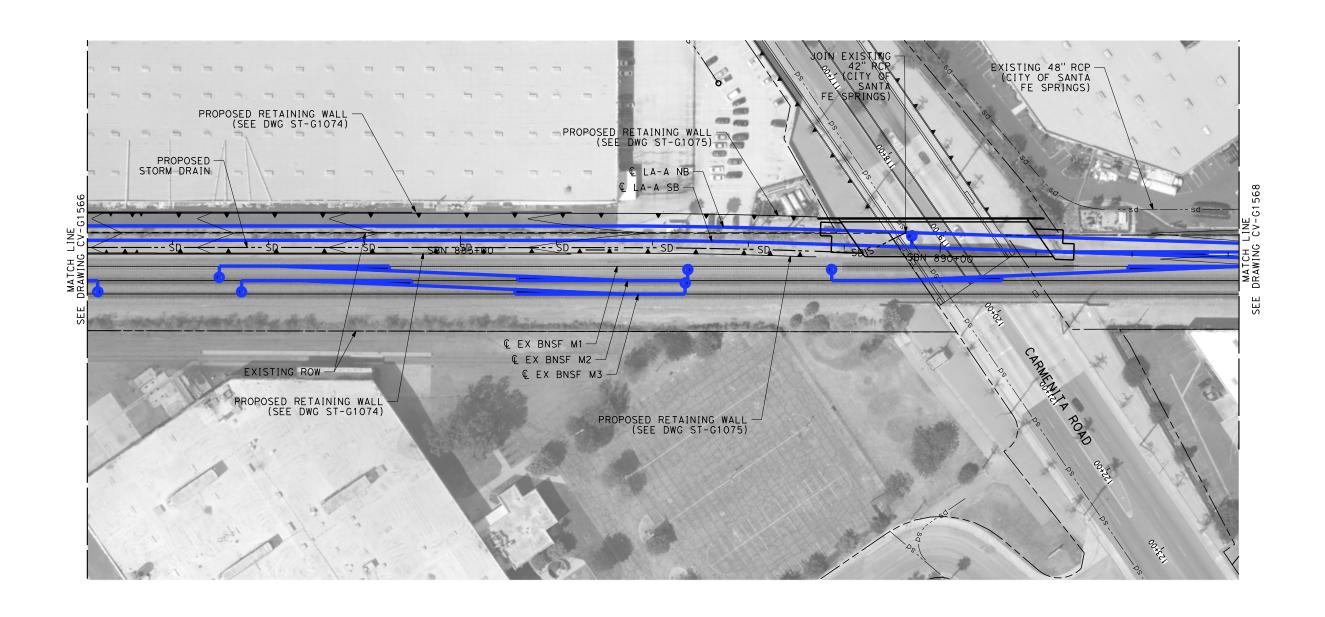
						DESIGNED BY R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL **USE ONLY** NOT FOR

CONSTRUCTION







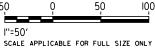
DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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DESIGNED BY
R. WONG
DRAWN BY
D. BARRAZA
CHECKED BY
M. SATISH
IN CHARGE
J. SWANSON

DESCRIPTION

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

02/28/25

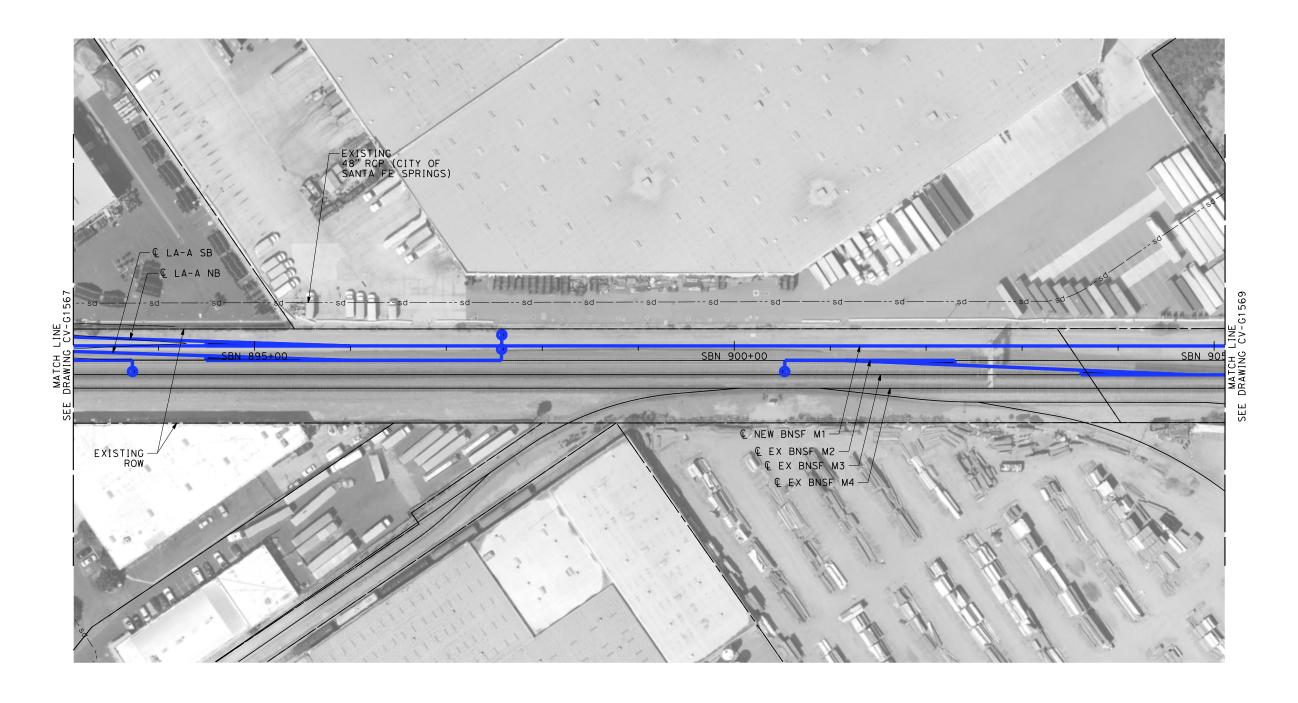
stv



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 881+00 TO STA SBN 893+00

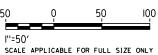
CABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1567					
	SCALE					
N	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
9							IN CHARGE J. SWANSON
L H	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

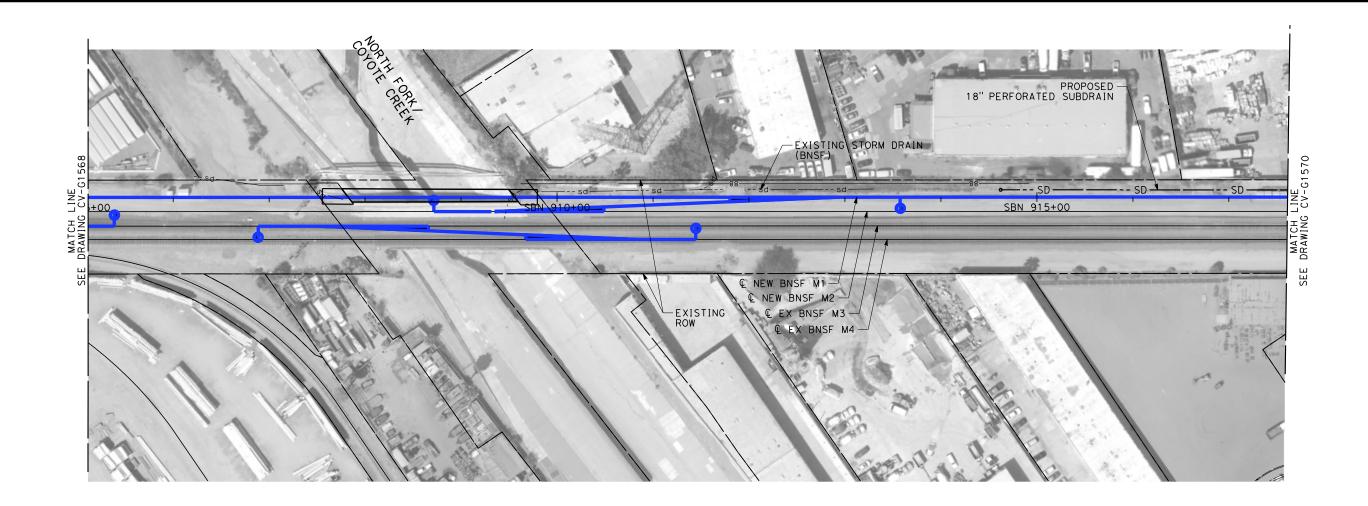




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 893+00 TO STA SBN 905+00

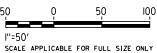
ICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1568
N	SCALE
IN	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



			DESIGNED BY R. WONG
			D. BARRAZA
			CHECKED BY
			M. SATISH
			J. SWANSON

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

02/28/25

USE ONLY

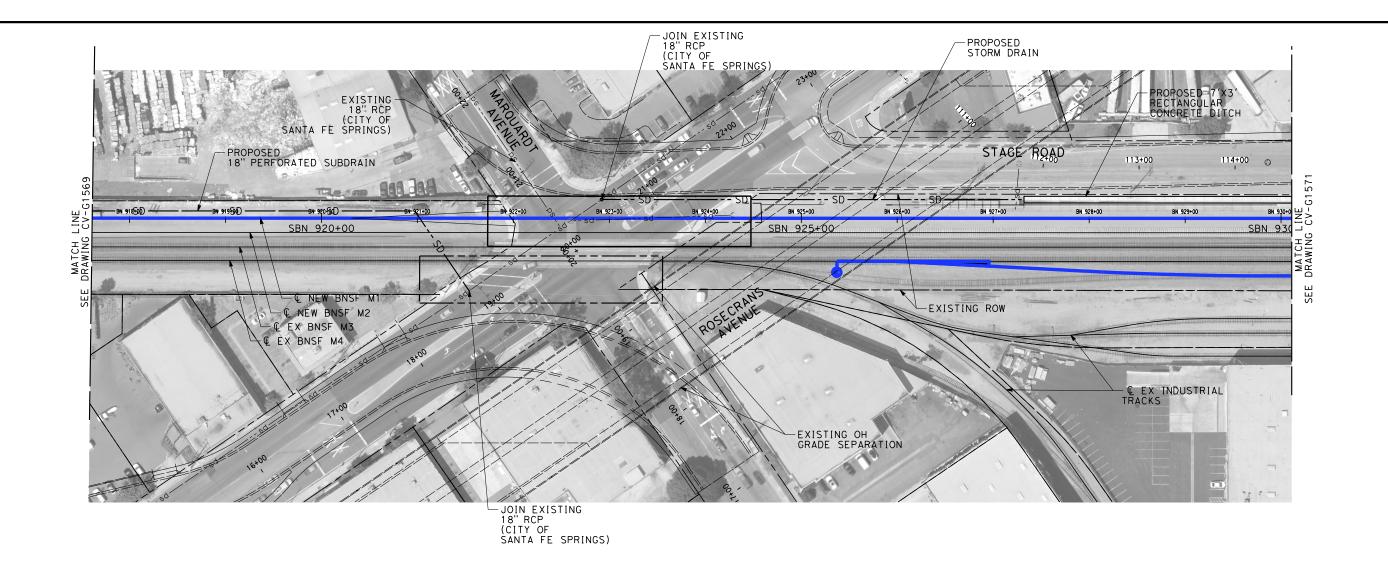
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 905+00 TO STA SBN 917+50

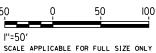
ICABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1569					
	SCALE					
N	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



							R. WONG	İ
							DRAWN BY	
							D. BARRAZA	i
							CHECKED BY	
							M. SATISH	ı
€							IN CHARGE	i
OT8							J. SWANSON	
بَ							DATE	i
₩	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25	i

PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

DESIGNED BY

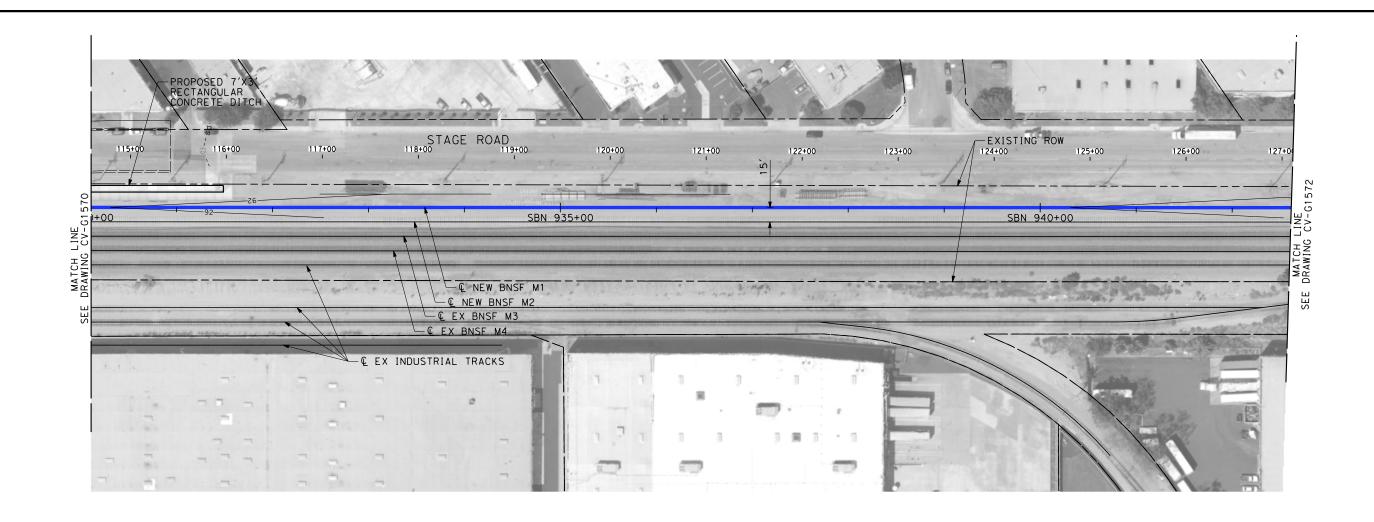




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 917+50 TO STA SBN 930+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1570
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

50 0 50 100

I"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
\$10							IN CHARGE J. SWANSON
\$PL	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

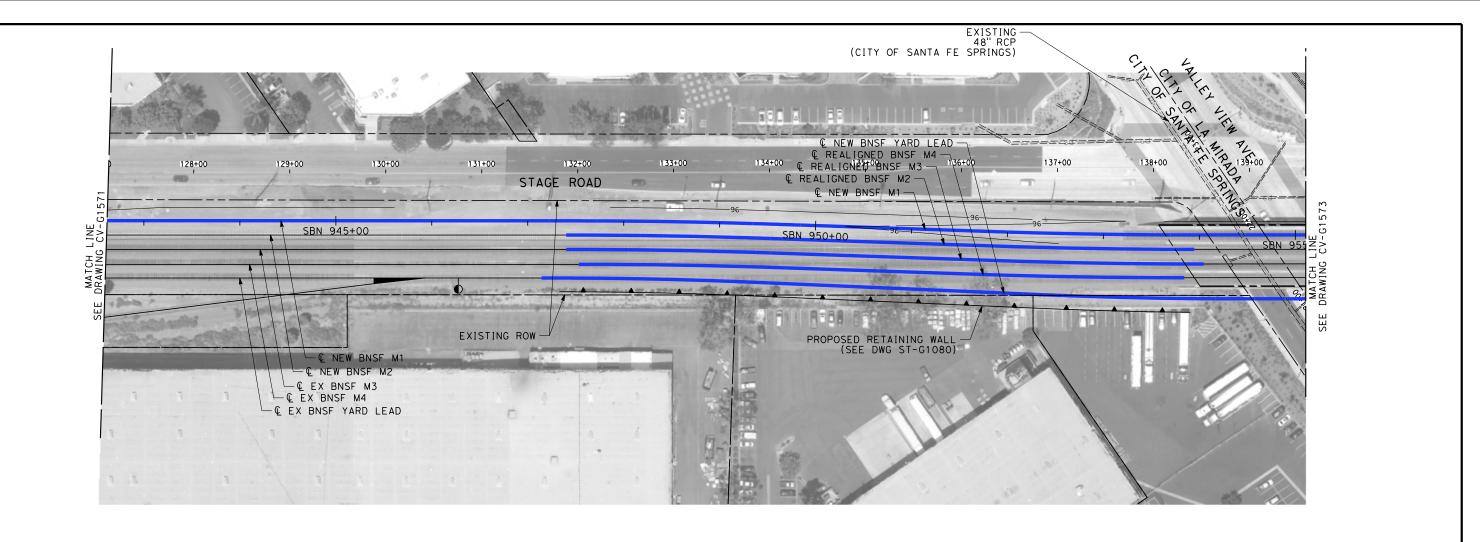




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 930+00 TO STA SBN 942+50

CABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	CV-G1571					
u l	SCALE					
V	1" = 50'					
	SHEET NO.					



DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

l''=50' SCALE APPLICAT

DESIGNED BY DRAWN BY CHECKED BY CHARGE

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

02/28/25

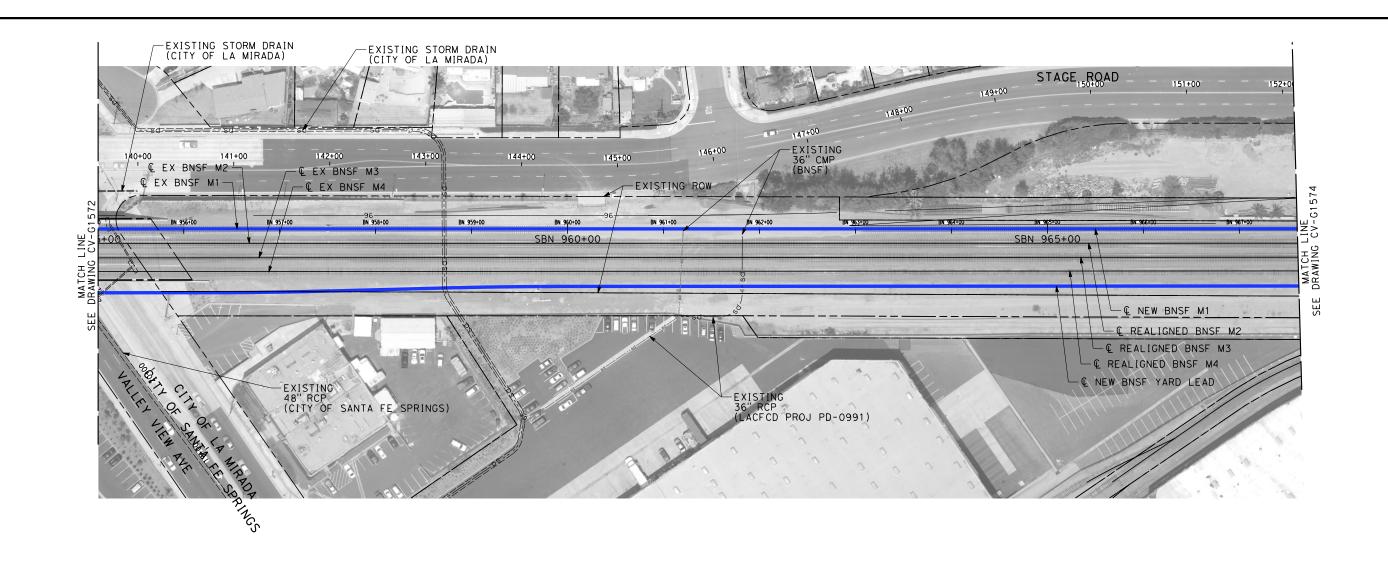




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 942+50 TO STA SBN 955+00

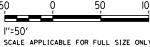
В	LE FOR FULL SIZE ONLY	l							
	CONTRACT NO. HSR06-0005								
	DRAWING NO.	l							
	CV-G1572	l							
	1" = 50'								
	SHEET NO.								



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY





CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

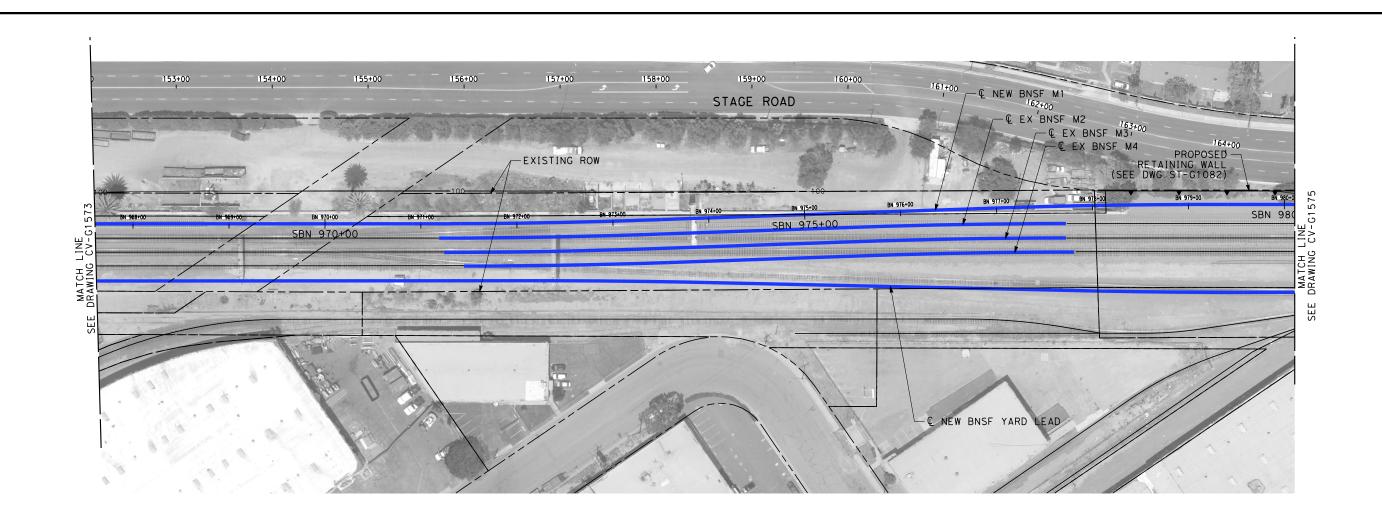
RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 955+00 TO STA SBN 967+50

CAB	CABLE FOR FULL SIZE ONLY								
	CONTRACT NO. HSR06-0005								
	DRAWING NO. CV-G1573								
	0. 0.0.0								
٧	1" = 50'								
	SHEET NO.								

						R. WONG
						D. BARRAZA
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL **USE ONLY** NOT FOR

CONSTRUCTION



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

50 0 50 I"=50' SCALE APPLICABLE FOR FULL SIZE

							R. WONG
							DRAWN BY
							CHECKED BY
							M. SATISH
,							IN CHARGE
5							J. SWANSON
3. 2.	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

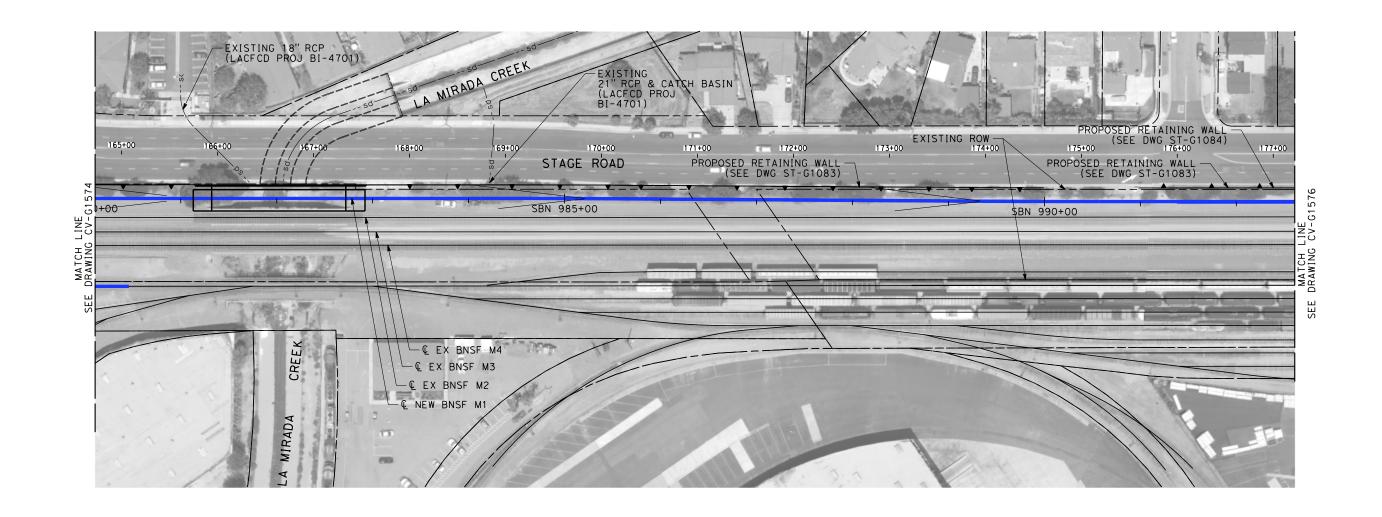




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 967+50 TO STA SBN 980+00

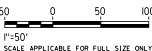
CAB	CABLE FOR FULL SIZE ONLY								
	CONTRACT NO.								
	HSR06-0005								
	DRAWING NO.								
	CV-G1574								
.	SCALE								
V	1" = 50'								
	SHEET NO.								



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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SCALE APPL

						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL **USE ONLY** NOT FOR

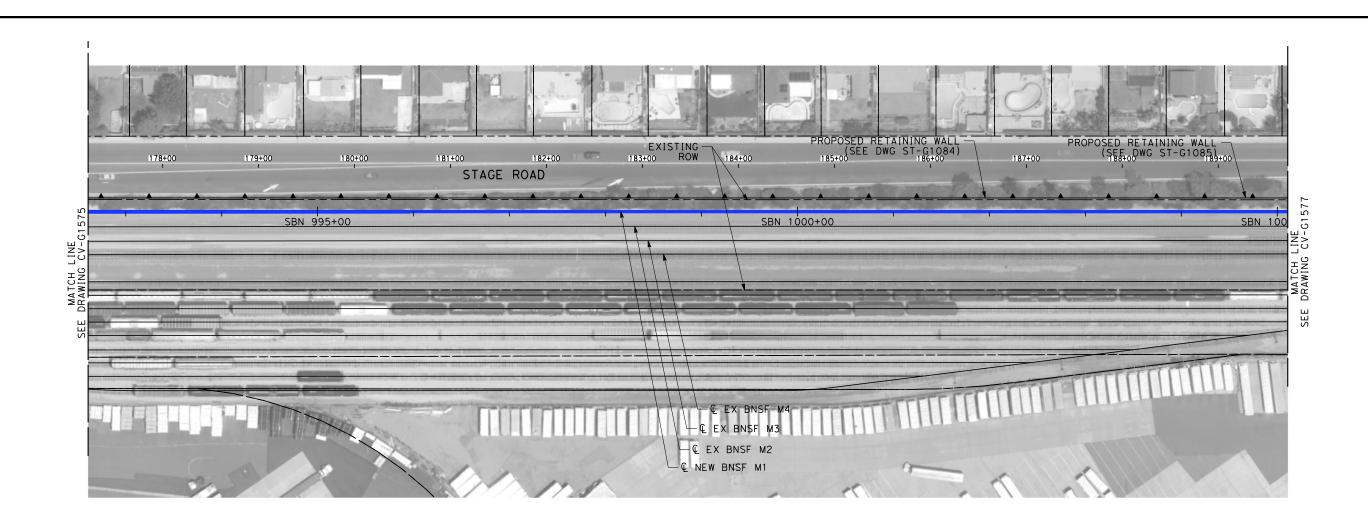
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 980+00 TO STA SBN 992+50

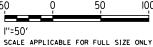
ICAB	CABLE FOR FULL SIZE ONLY									
	CONTRACT NO.									
	HSR06-0005									
	DRAWING NO.									
	CV-G1575									
N	SCALE									
IN	1" = 50'									
	SHEET NO.									



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT

LOS ANGELES TO ANAHEIM

RECORD SET

GRADING AND DRAINAGE

STA SBN 992+50 TO STA SBN 1005+00

HSR06-0005 RAWING NO. CV-G1576

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION SCALE 1" = 50' SHEET NO.

			IN CHARGE J. SWANSON DATE
			CHECKED BY
			D. BARRAZA
			DESIGNED BY R. WONG

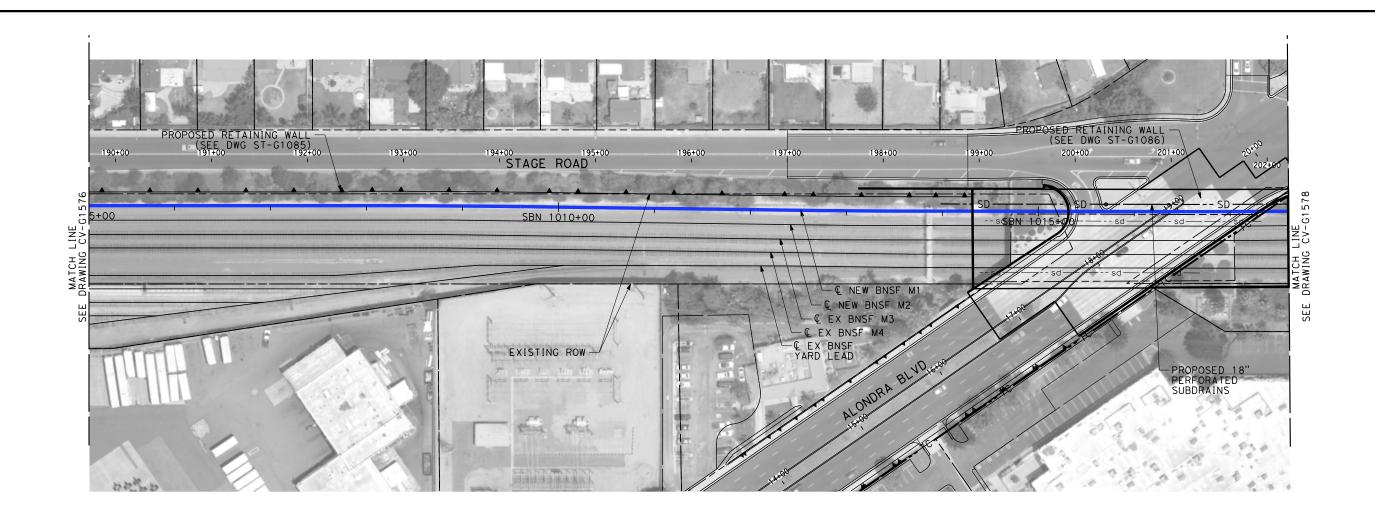
PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION



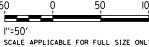




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

STA SBN 1005+00 TO STA SBN 1017+50

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1577
1	1" = 50'
	SHEET NO.

REV	DATE	BY	СНК	APP	DESCRIPTION	IN CHARGE J. SWANSON DATE
						CHECKED BY M. SATISH
						DRAWN BY D. BARRAZA
						DESIGNED BY R. WONG

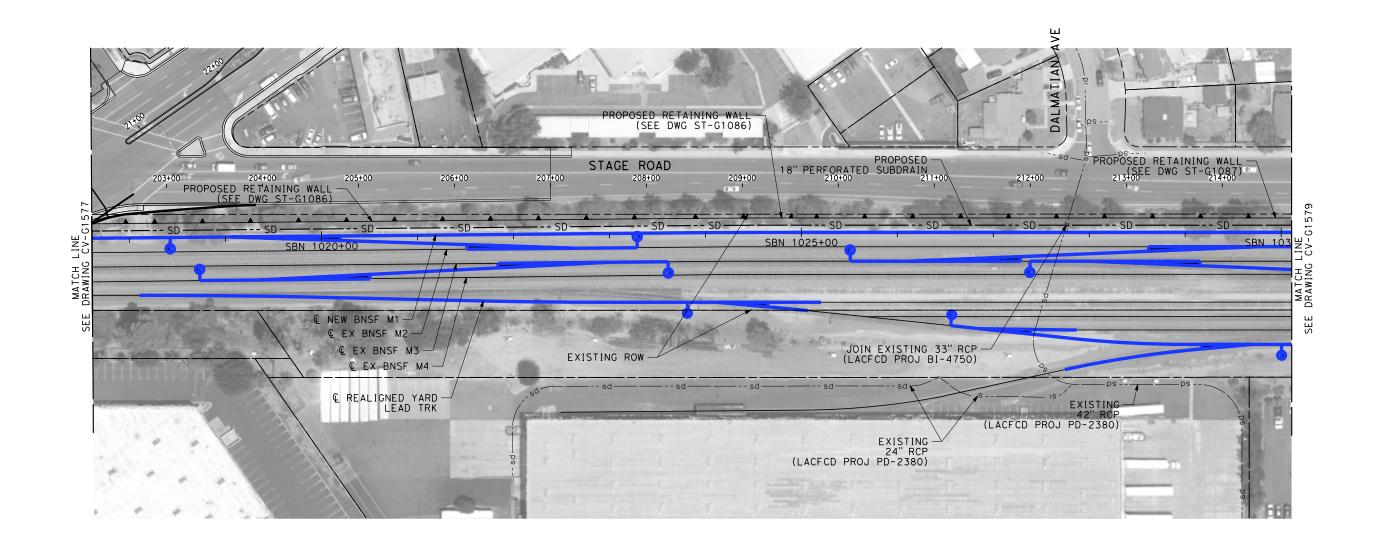
PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION







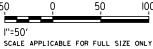
DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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DESIGNED BY
R. WONG
DRAWN BY
D. BARRAZA
CHECKED BY
M. SATISH
IN CHARGE
J. SWANSON

DESCRIPTION

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

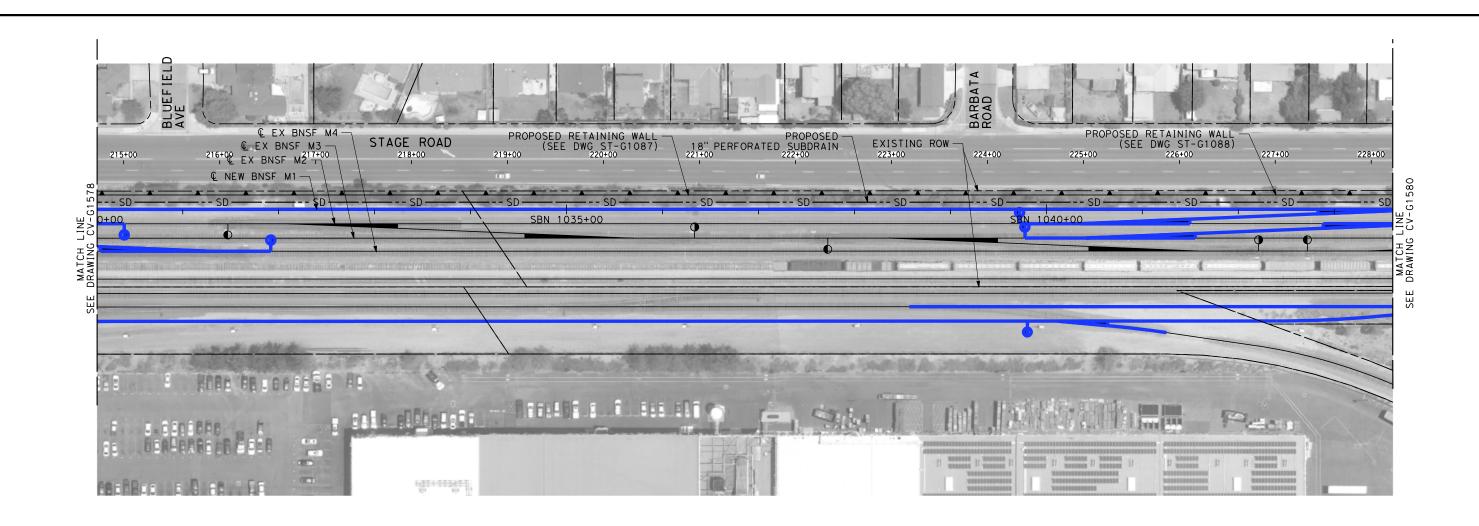




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1017+50 TO STA SBN 1030+00

ICAB	LE FOR FULL SIZE ONLY									
	CONTRACT NO. HSR06-0005									
	DRAWING NO. CV-G1578									
N scale 1'' = 50'										
	SHEET NO.									



DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

DESCRIPTION



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

50 0 50 10

I"=50'
SCALE APPLICABLE FOR FULL SIZE ONL

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

DESIGNED BY

DRAWN BY

N CHARGE J. SWANSON

02/28/25

CHECKED BY M. SATISH

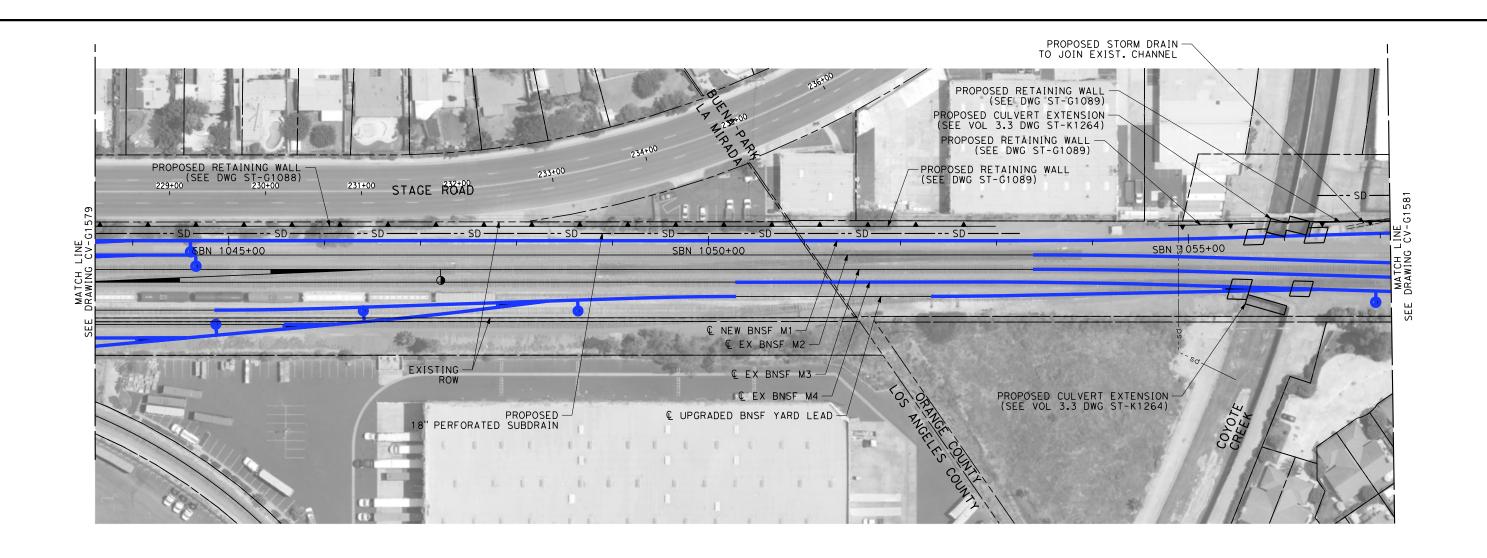




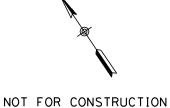
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1030+00 TO STA SBN 1043+50

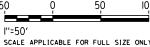
CAB	CABLE FOR FULL SIZE ONLY										
	CONTRACT NO.										
	HSR06-0005										
	DRAWING NO.										
	CV-G1579										
u l	SCALE										
V	1" = 50'										
	SHEET NO.										



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION

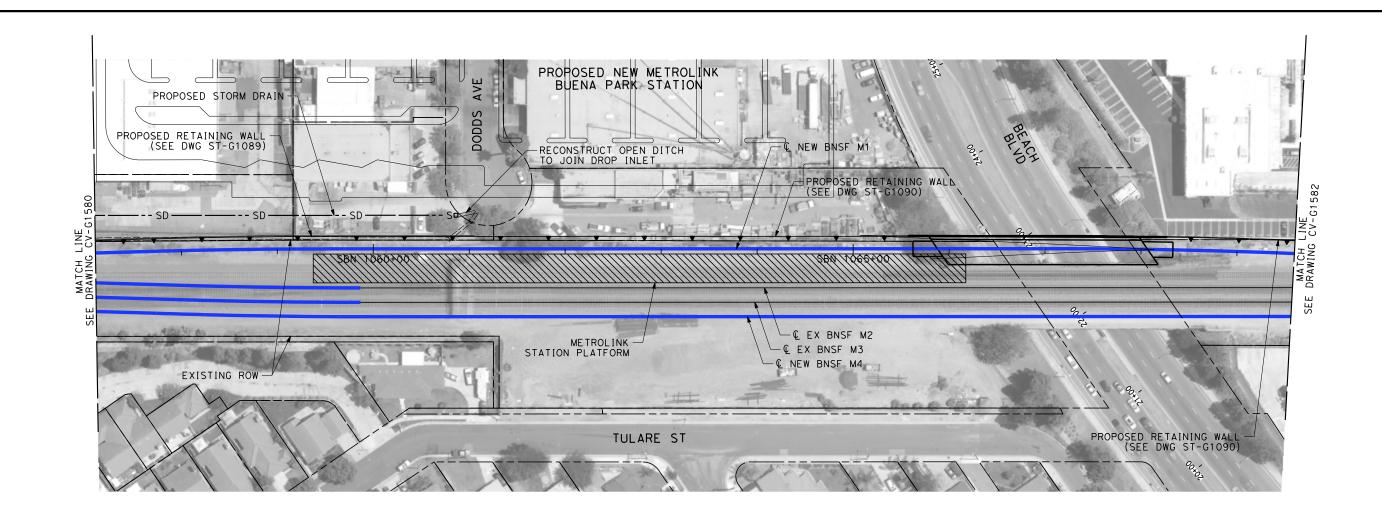




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1043+50 TO STA SBN 1057+00

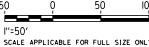
CABLE FOR FULL SIZE ONLY								
	CONTRACT NO.							
	HSR06-0005							
	DRAWING NO.							
	CV-G1580							
vi	SCALE							
N	1" = 50'							
	SHEET NO.							



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1057+00 TO STA SBN 1069+50

:AB	LE FOF	R FULL SIZE ONLY
		ACT NO. HSR06-0005
	DRAWIN	CV-G1581
I	SCALE	1" = 50'
	SHEET	NO.

REV	DATE	BY	СНК	APP	DESCRIPTION	J. SWANSON DATE 02/28/25
						M. SATISH IN CHARGE
						CHECKED BY
						DRAWN BY D. BARRAZA
						DESIGNED BY R. WONG

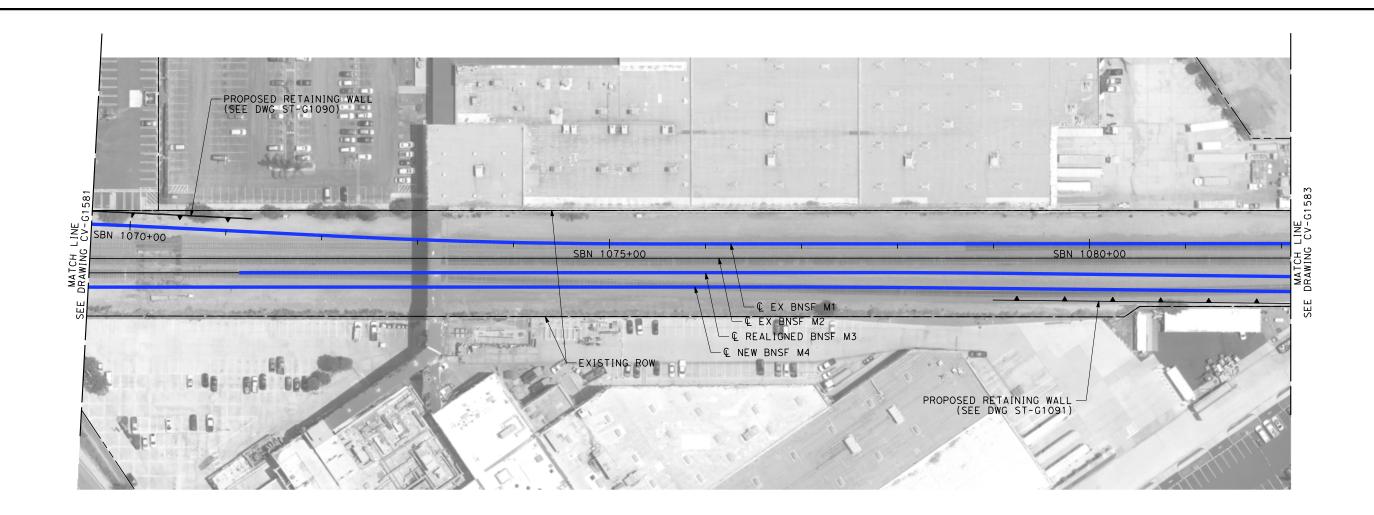
PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

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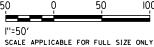




- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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LE APPLICABLE FOR FULL S

CALIFORNIA HIGH-SPEED TRAIN PRO-LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1069+50 TO STA SBN 1082+00

RAIN PROJECT	HSRO6-0005		
NAHEIM	CV-G1582		
PROJECT DEFINITION	1" = 50'		
INAGE SBN 1082+00	SHEET NO.		

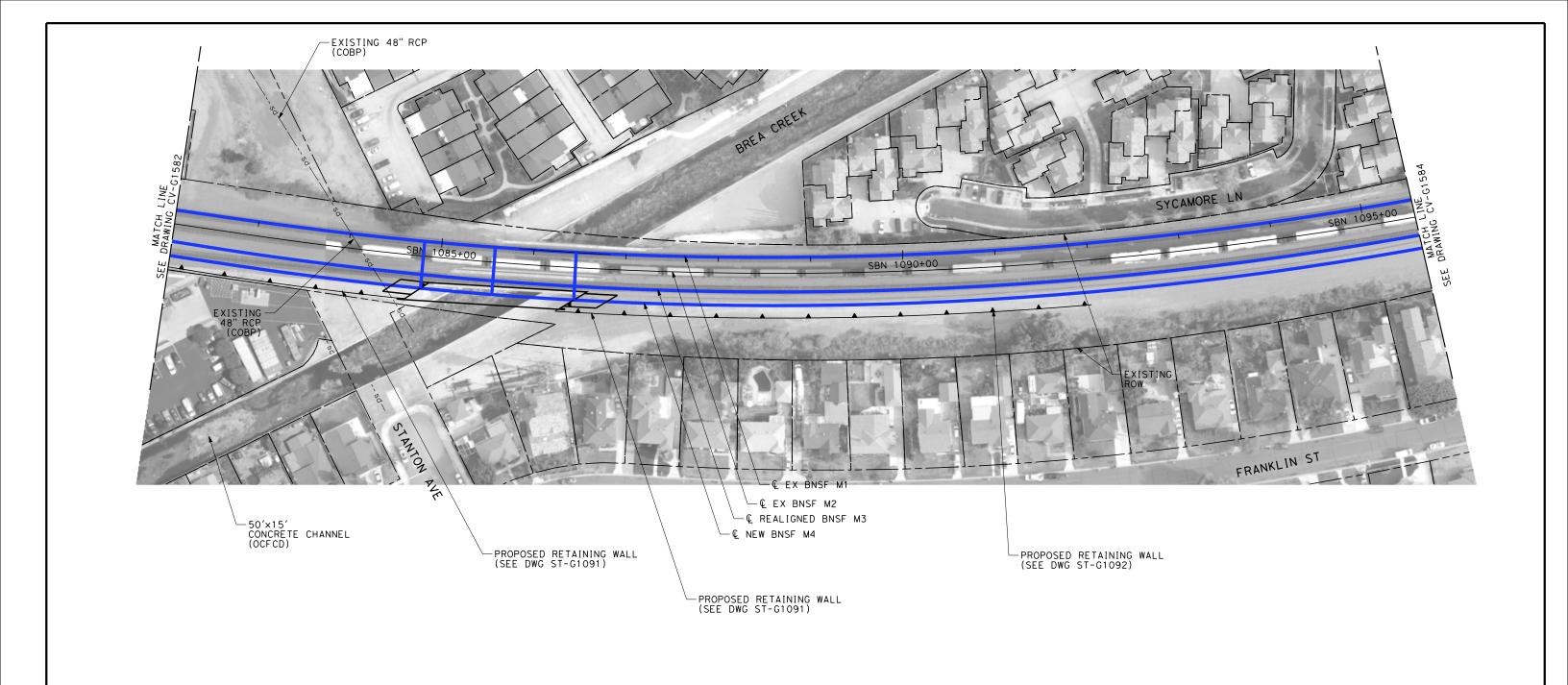
REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25
						J. SWANSON
						M. SATISH IN CHARGE
						CHECKED BY
						DRAWN BY D. BARRAZA
						R. WONG

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

stv



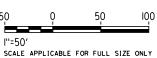


BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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			CHECKED BY M. SATISH IN CHARGE J. SWANSON
-			DESIGNED BY R. WONG DRAWN BY

DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

02/28/25

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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1082+00 TO STA SBN 1095+50

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1583
1	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY

l''=50' SCALE APPLICABLE FOR FULL SIZE ONLY

HSR06-0005

CALIFORNIA HIGH-SPEED TRAIN PROJECT

RAWING NO. CV-G1584 1" = 50' SHEET NO.

						DESIGNED BY R. WONG
						D. BARRAZA
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

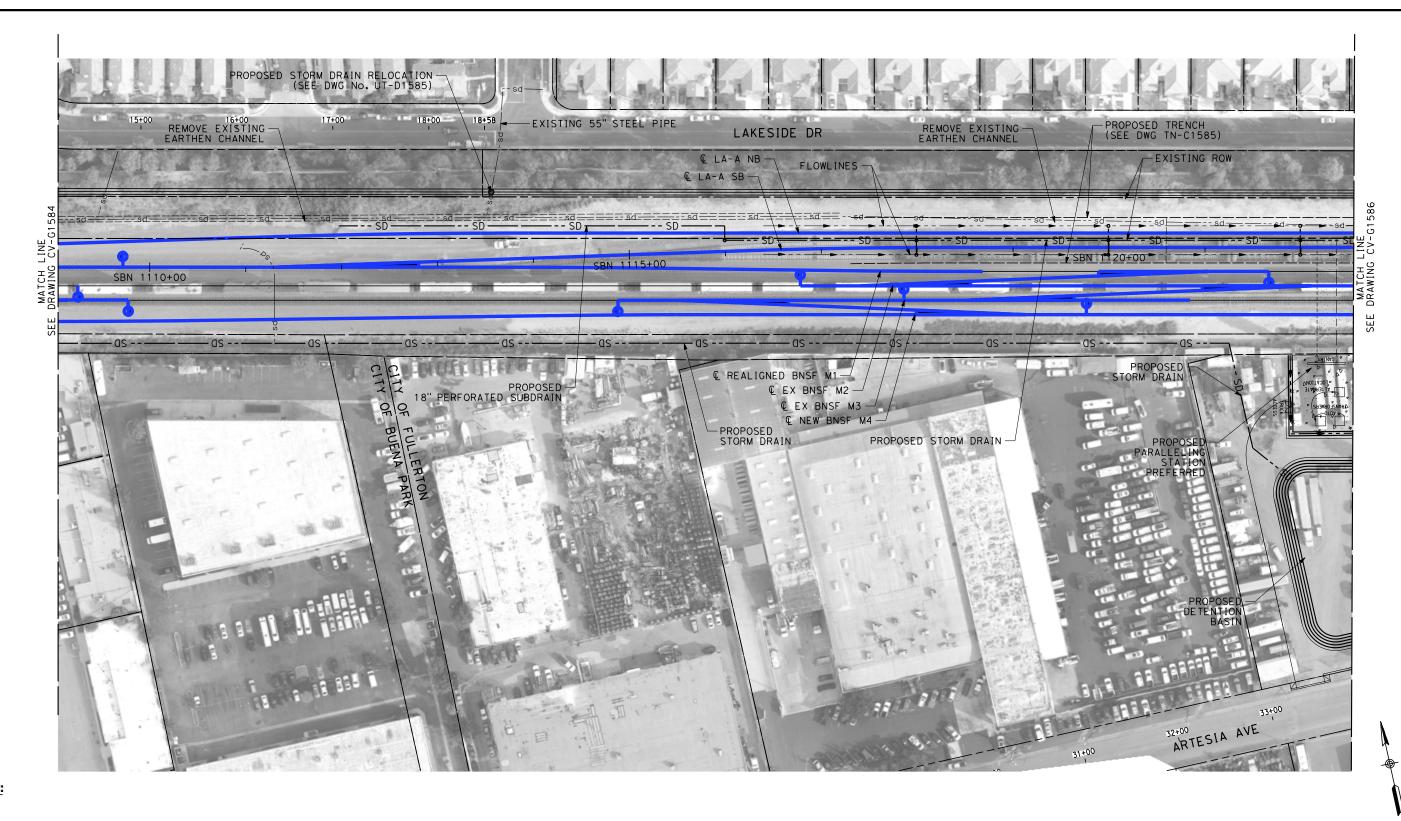
PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION



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LOS ANGELES TO ANAHEIM
RECORD SET
RELIMINARY ENGINEERING FOR PROJECT DEFINITI



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1109+00 TO STA SBN 1122+50

SCALE APPLICAB	LE FOR FULL SIZE ONLY
ECT	CONTRACT NO. HSRO6-0005
	HSR06-0005
	DRAWING NO.
	CV-G1585
INITION	1" = 50'

NOT FOR CONSTRUCTION

FOR INTERNAL USE ONLY

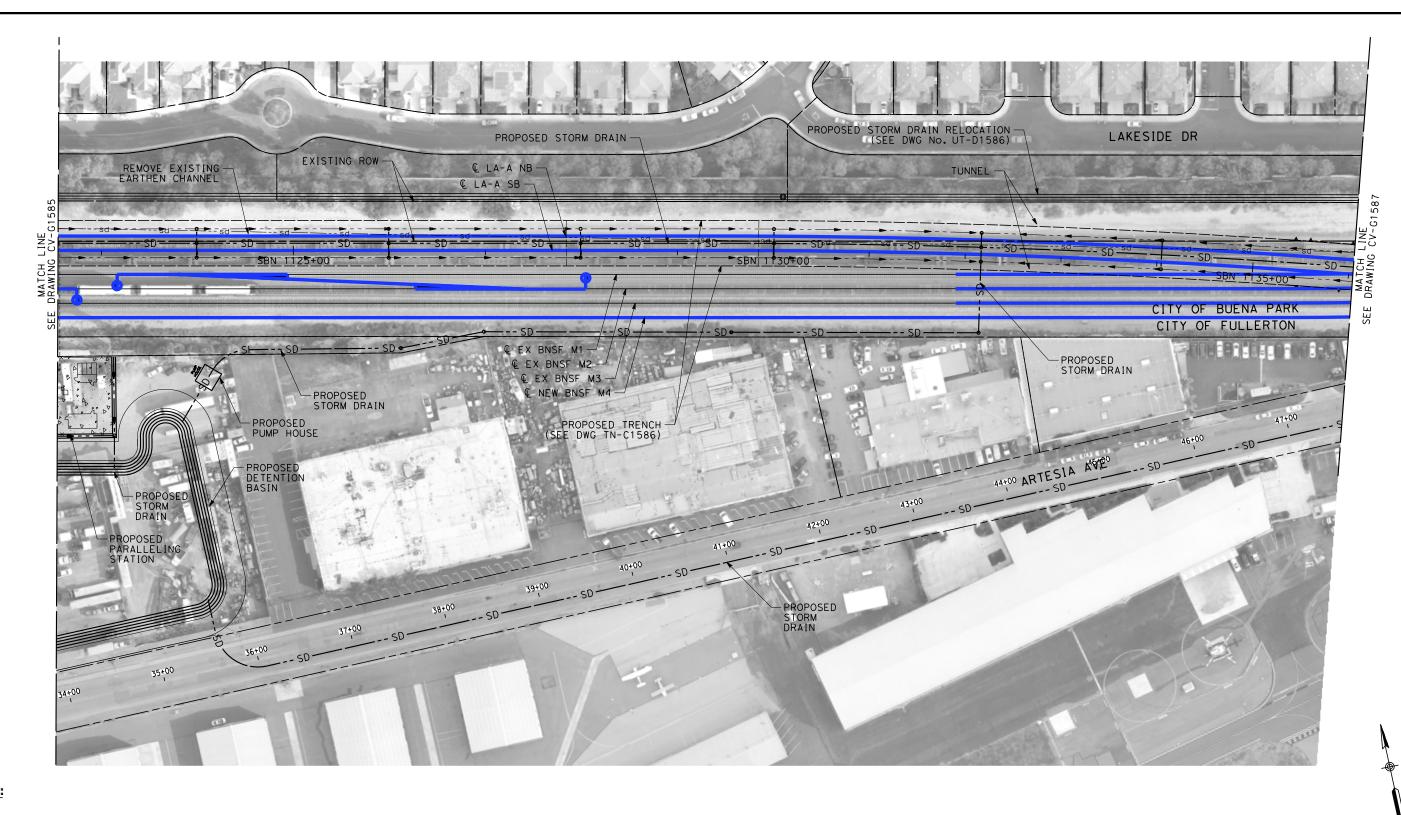
						DESIGNED BY R. WONG DRAWN BY
						D. BARRAZA CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION





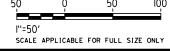


- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

						DESIGNED BY R. WONG	PEPD
						DRAWN BY	SUBMITTAL FOR INTERNAL
						CHECKED BY	USE ONLY
						M. SATISH IN CHARGE	
						J. SWANSON	NOT FOR CONSTRUCTION
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	CONSTRUCTION



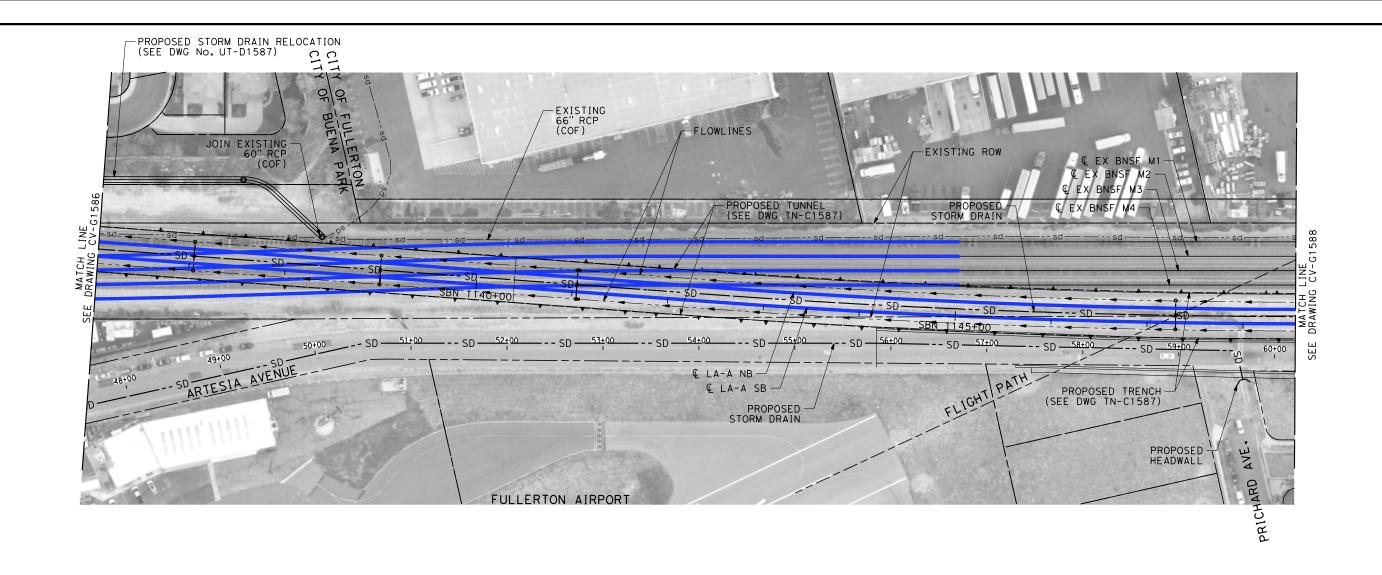
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
RECORD SET

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1122+50 TO STA SBN 1136+00

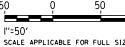
HSR06-0005 CV-G1586 1" = 50' SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



SCALE APPLICABI

						DESIGNED BY R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL **USE ONLY** NOT FOR

CONSTRUCTION

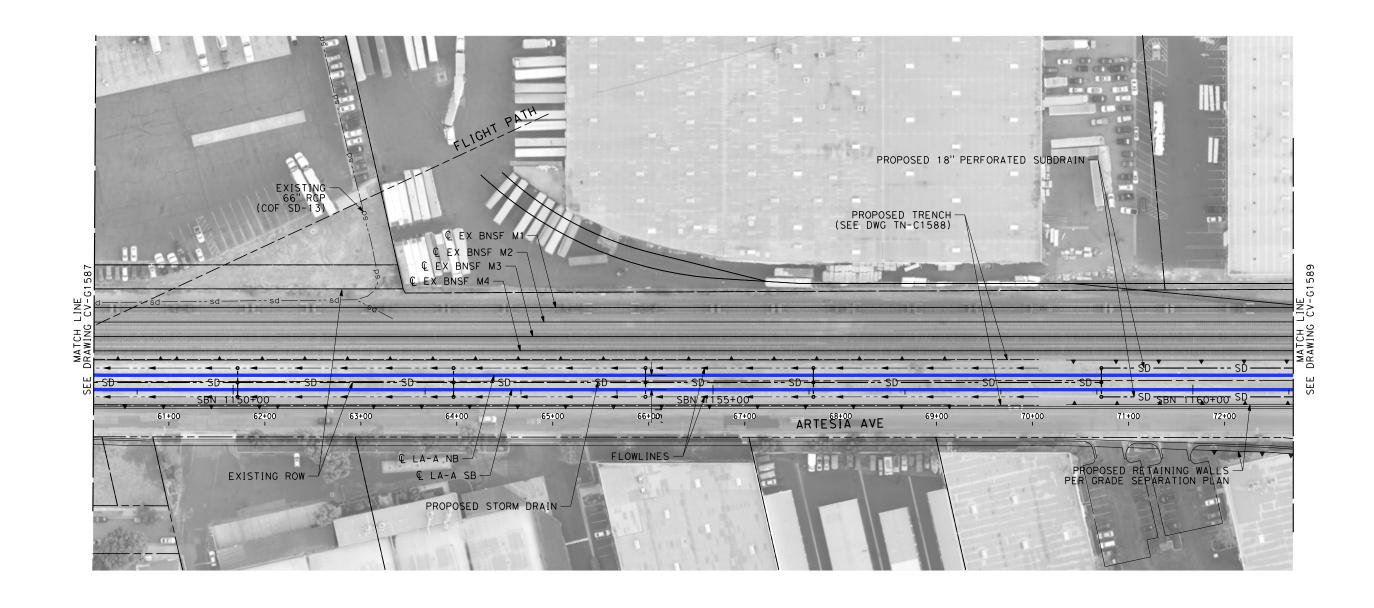




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1136+00 TO STA SBN 1148+50

BLE FOR FULL SIZE ONLY	
CONTRACT NO.	
HSR06-0005	_
DRAWING NO.	- 1
CV-G1587	
SCALE	
1" = 50'	
SHEET NO.	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



SCALE APPLICABLE FOR FU

						DESIGNED BY R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY M. SATISH
						IN CHARGE
						J. SWANSON DATE
REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25

PEPD
SUBMITTAL
FOR INTERNAL
USE ONLY
NOT FOR

CONSTRUCTION

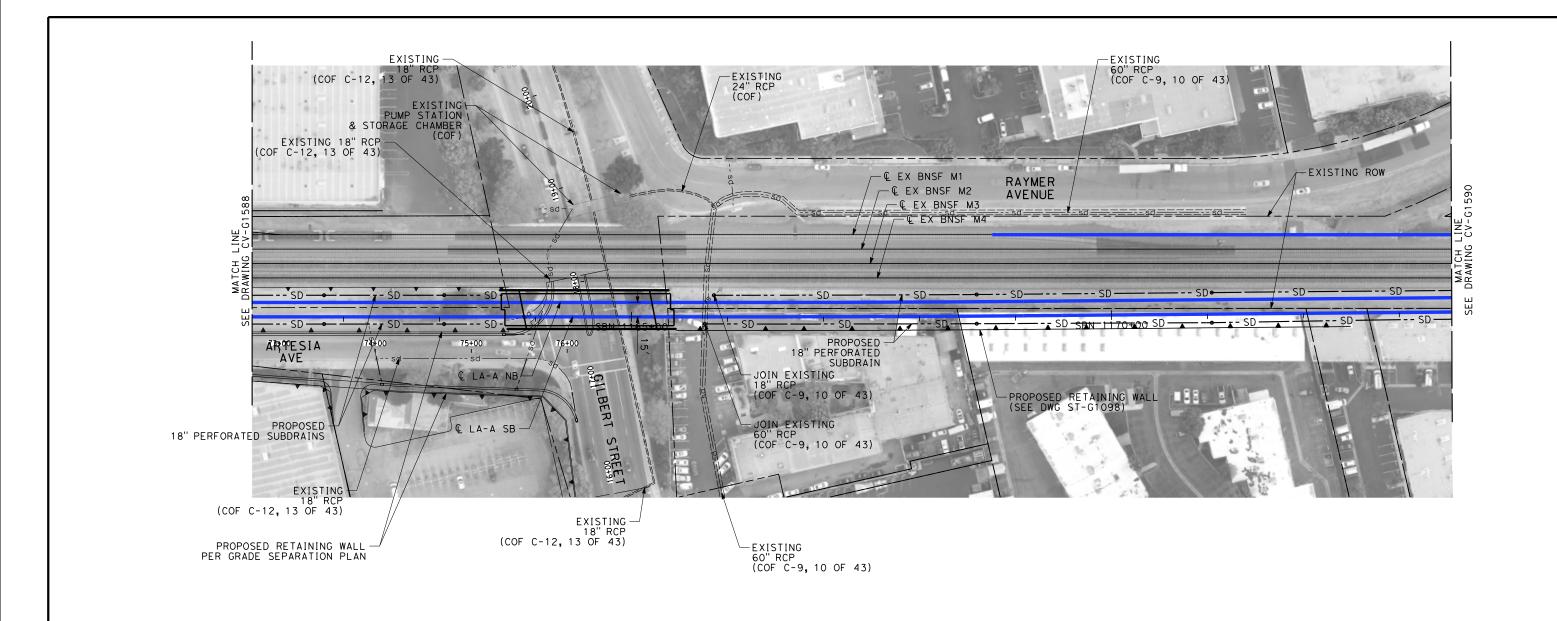




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1148+50 TO STA SBN 1161+00

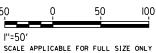
CAB	LE FOR FULL SIZE ONLY						
	CONTRACT NO. HSR06-0005						
	DRAWING NO.						
	CV-G1588						
1	1" = 50'						
	SHEET NO.						



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY



R. WONG
DRAWN BY
D. BARRAZA
CHECKED BY
M. SATISH
IN CHARGE
J. SWANSON

DESCRIPTION

PEPD SUBMITTAL FOR INTERNAL USE ONLY

02/28/25

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

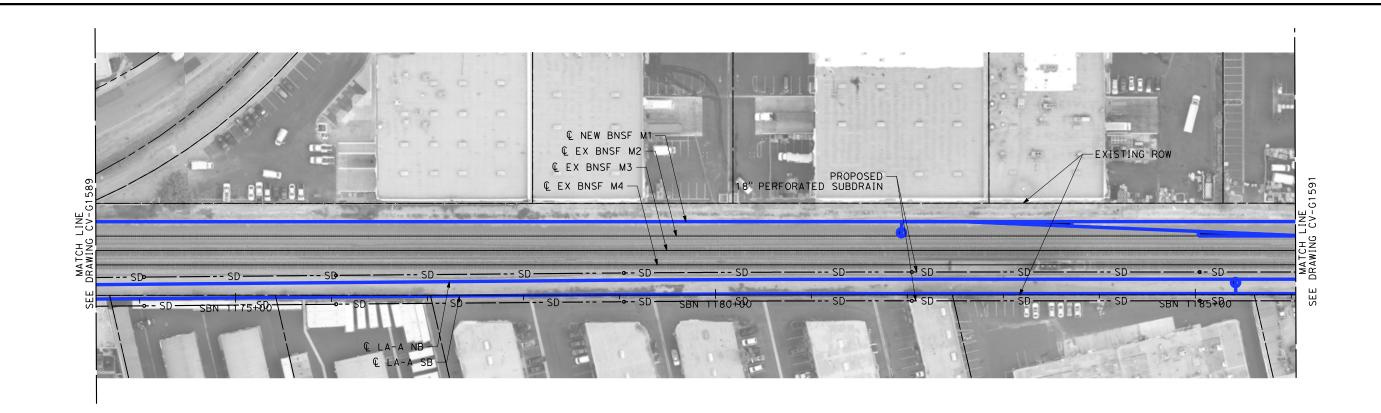
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1161+00 TO STA SBN 1173+50

CAB	LE FOR FULL SIZE ONLY						
	CONTRACT NO. HSR06-0005						
	DRAWING NO. CV-G1589						
1	SCALE 1" = 50'						
	SHEET NO.						

\$PI OT\$

DATE

BY CHK APP



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

DESCRIPTION

DESIGNED BY

DRAWN BY

CHECKED BY M. SATISH

N CHARGE J. SWANSON

02/28/25

SUBMITTAL

FOR INTERNAL

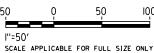
USE ONLY

NOT FOR

CONSTRUCTION



FOR INTERNAL USE ONLY





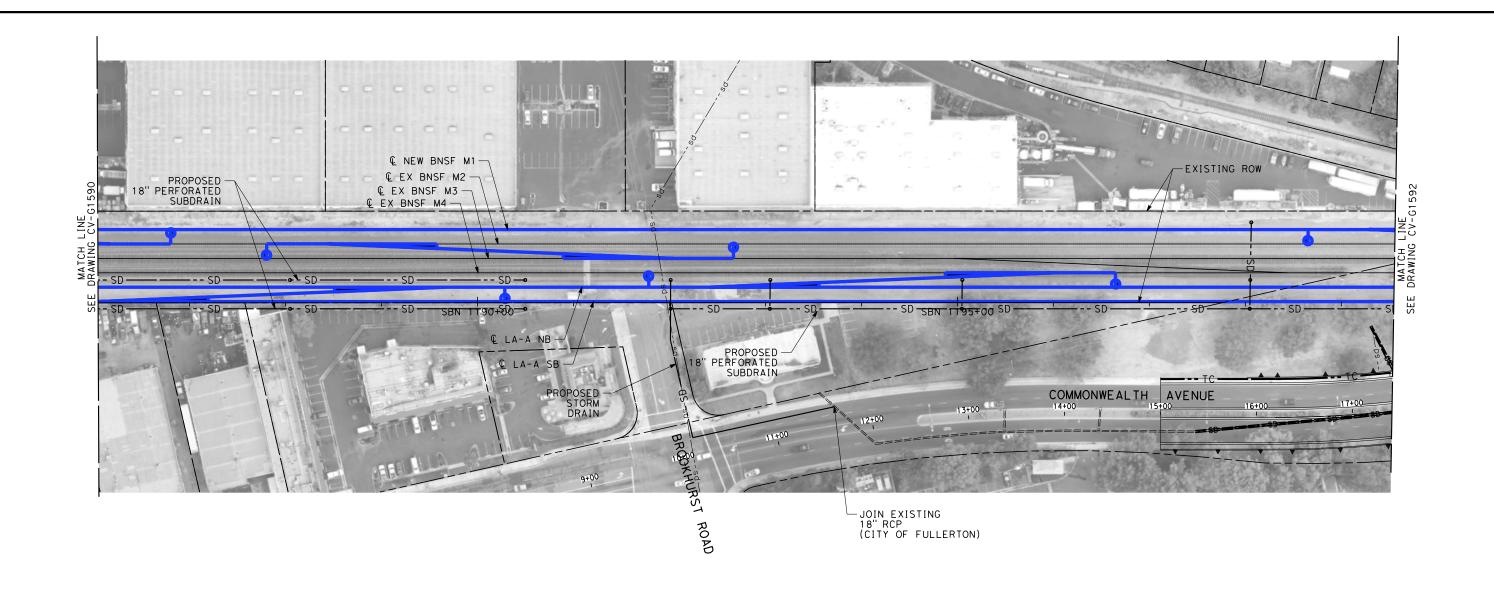
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1173+50 TO STA SBN 1186+00

CAB	LE FOR FULL SIZE ONLY				
	CONTRACT NO.				
	HSR06-0005				
	DRAWING NO.				
	CV-G1590				
.	SCALE				
V	1" = 50'				
	SHEET NO.				

DATE

BY CHK APP



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.

1187+00

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

CONSTRUCTION

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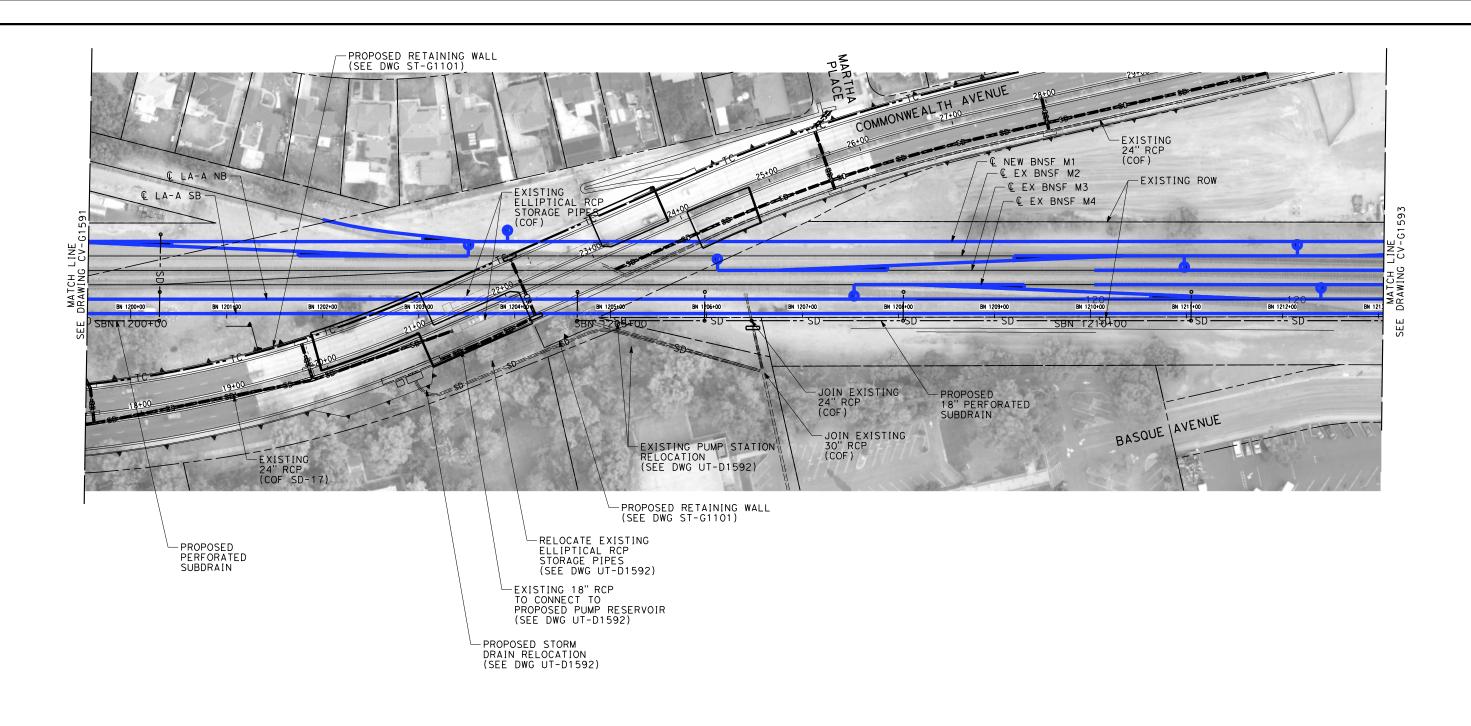
I"=50' SCALE APPLICABLE FOR FULL SIZE ONLY

NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1186+00 TO STA SBN 1199+50

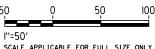
В	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1591
	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1199+50 TO STA SBN 1213+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1592
.	SCALE
1	1" = 50'
	SHEET NO.

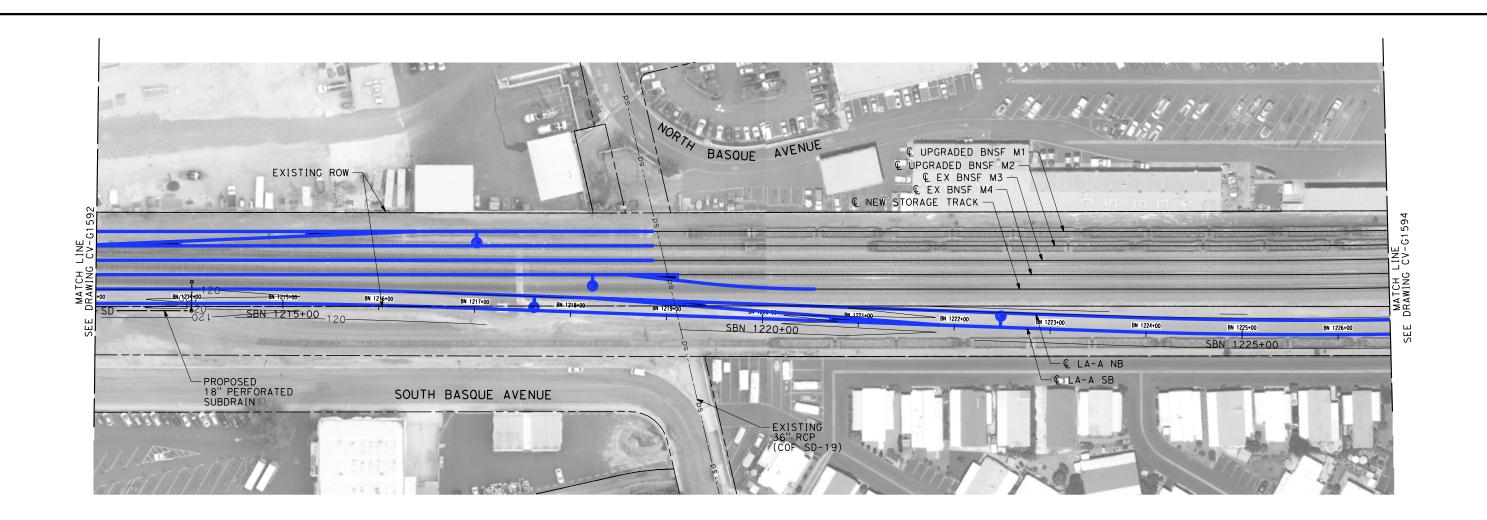
						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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CONSTRUCTION







REV DATE

BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



FOR INTERNAL USE ONLY

l''=50' SCALE APPLIC

			DESIGNED BY R. WONG	
			D. BARRAZA	ĺ
				ı
			CHECKED BY	ı
			M. SATISH	ı
_			IN CHARGE	ı
			J. SWANSON	ı

DESCRIPTION

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CONSTRUCTION

02/28/25

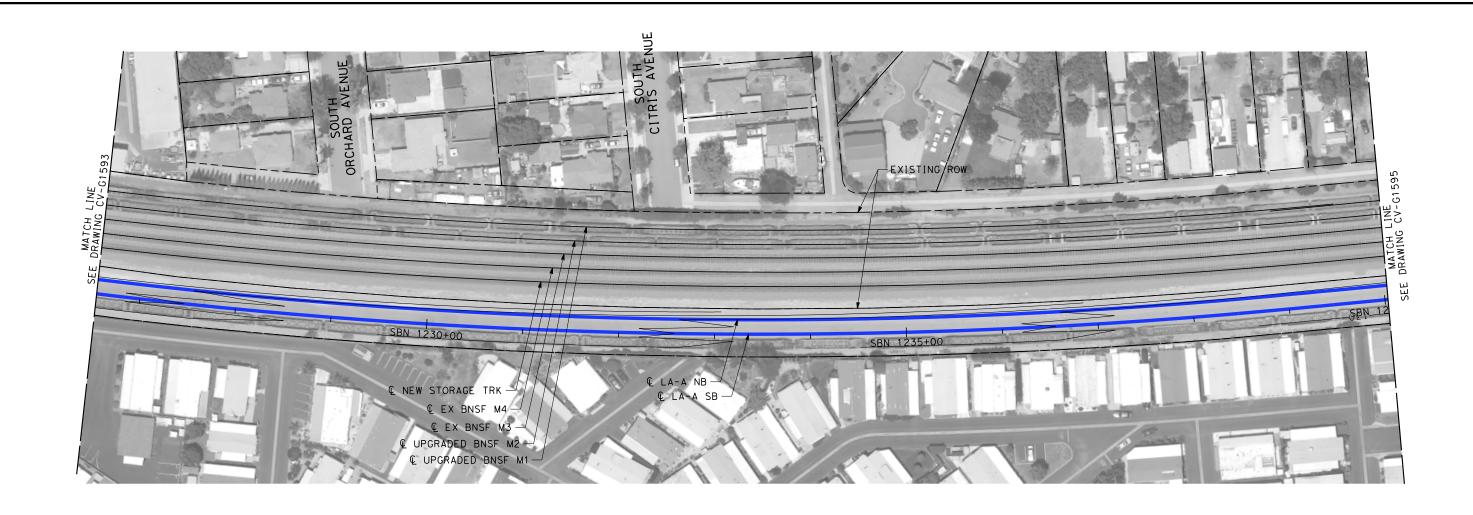




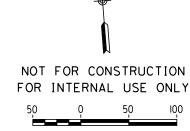
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1213+00 TO STA SBN 1226+50

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSR06-0005
	H2K06-0002
	DRAWING NO.
	CV-G1593
.	SCALE
N	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



"=50°	,							
					_			
SCALE	APF	LICA	BLE	FOR	FULL	SIZE	ONLY	
			Loc	MIT DA	CT NO			-

REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25
						J. SWANSON
						M. SATISH IN CHARGE
						CHECKED BY
						DRAWN BY
						R. WONG

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR

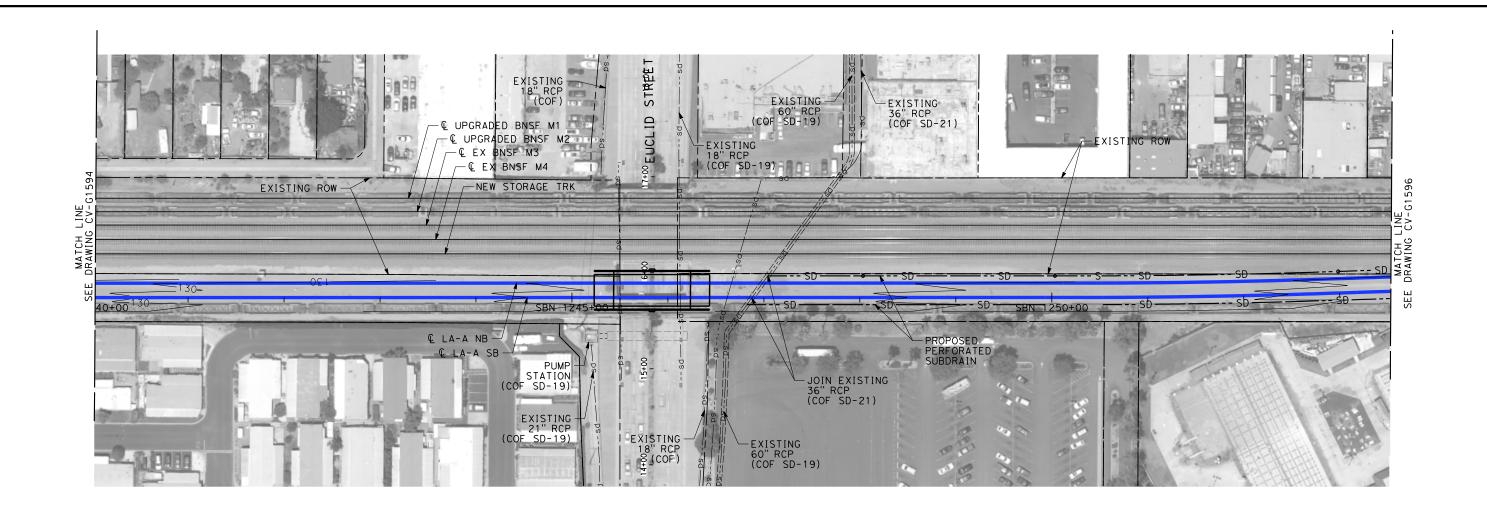
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1226+50 TO STA SBN 1240+00

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1594
	SCALE
N	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1240+00 TO STA SBN 1253+50

SCALE APPLICAB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
ECT	HSR06-0005
	DRAWING NO.
	CV-G1595
TALLTION	SCALE
INITION	1" = 50'
50	SHEET NO.

NOT FOR CONSTRUCTION

FOR INTERNAL USE ONLY

l''=50'

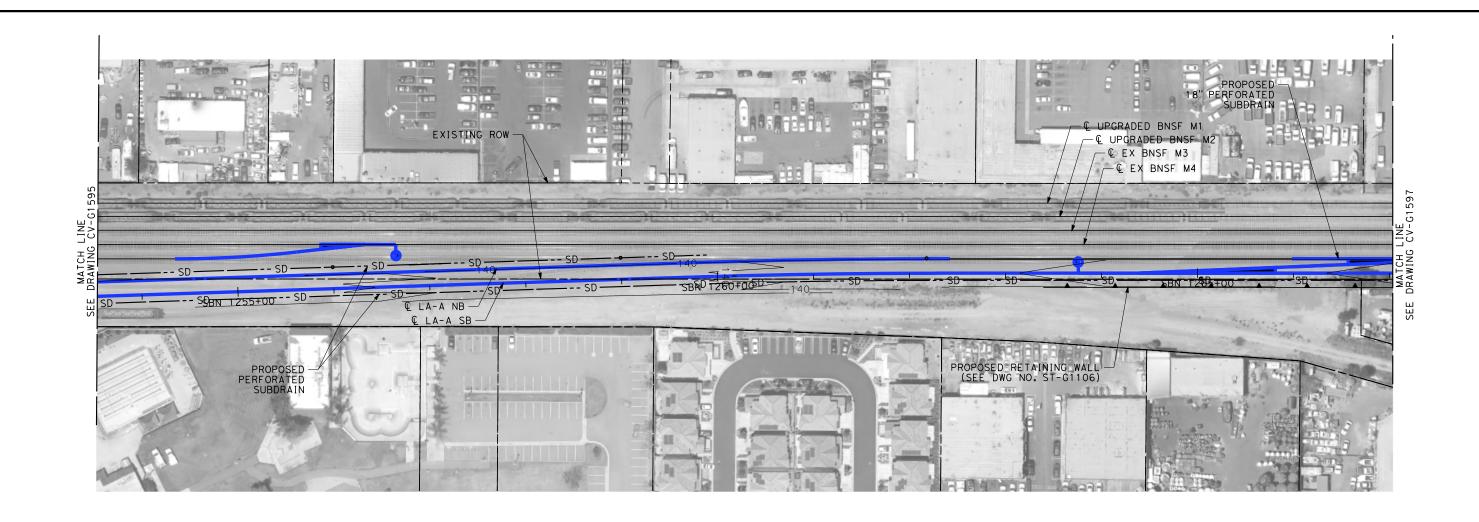
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25
						J. SWANSON
						M. SATISH IN CHARGE
						CHECKED BY
						DRAWN BY D. BARRAZA
						R. WONG

PEPD SUBMITTAL FOR INTERNAL USE ONLY

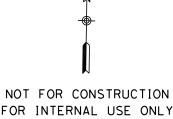
NOT FOR CONSTRUCTION







- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



FOR INTERNAL USE ONLY

l''=50' SCALE APPLICAT

						R. WONG
						DRAWN BY D. BARRAZA
						CHECKED BY
						M. SATISH
						IN CHARGE J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

SUBMITTAL FOR INTERNAL **USE ONLY**

NOT FOR

CONSTRUCTION

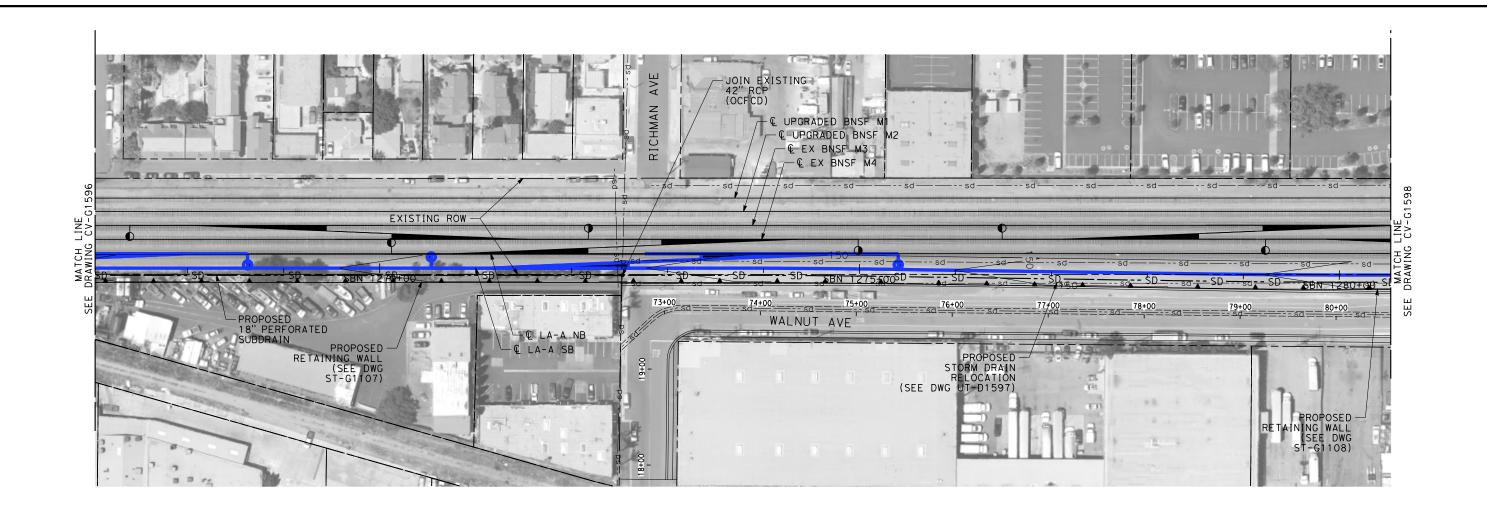




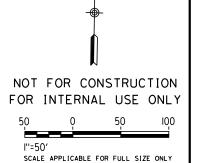
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SBN 1253+50 TO STA SBN 1267+00

В	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CV-G1596
	1" = 50'
	SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



	REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25
							J. SWANSON
							M. SATISH
							CHECKED BY
L							DRAWN BY D. BARRAZA
L							R. WONG

PEPD SUBMITTAL FOR INTERNAL USE ONLY

USE ONLY

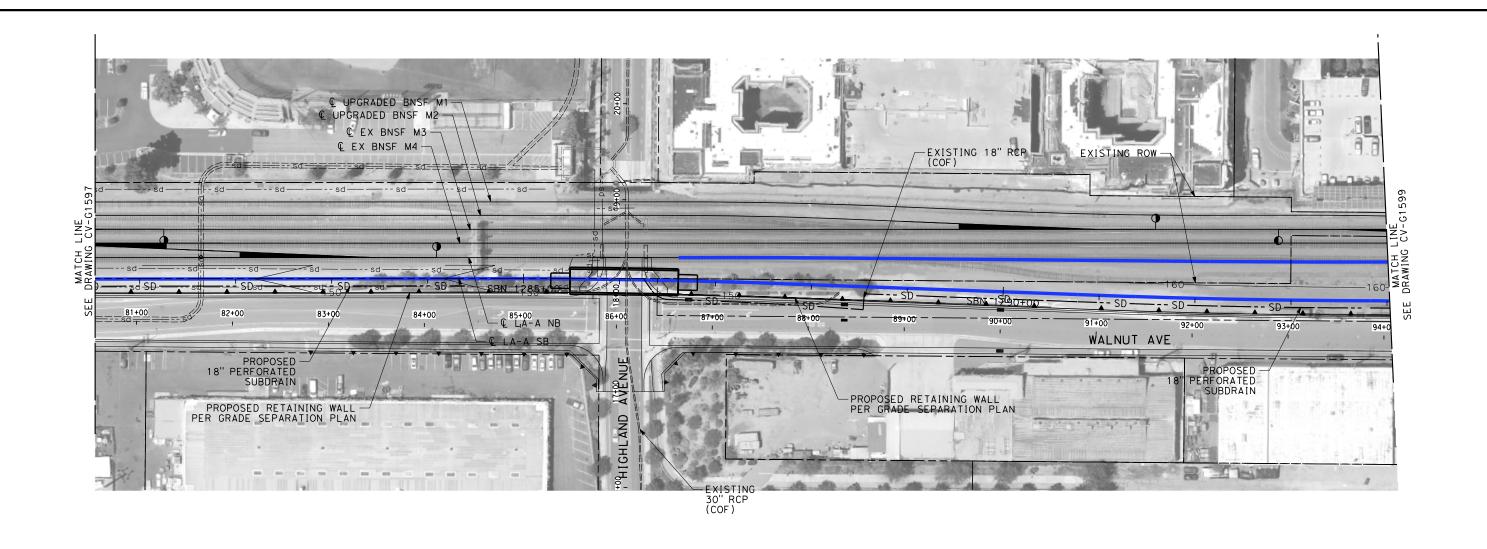
NOT FOR
CONSTRUCTION



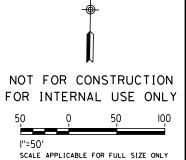
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1267+00 TO STA SBN 1280+50

CONTRACT NO.	
HSR06-0005	
DRAWING NO.	
CV-G1597	
SCALE	
1" = 50'	
SHEET NO.	



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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						DESIGNED BY R. WONG	
						DRAWN BY	İ
						CHECKED BY	
						M. SATISH	
_						IN CHARGE	i
						J. SWANSON	
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25	ĺ

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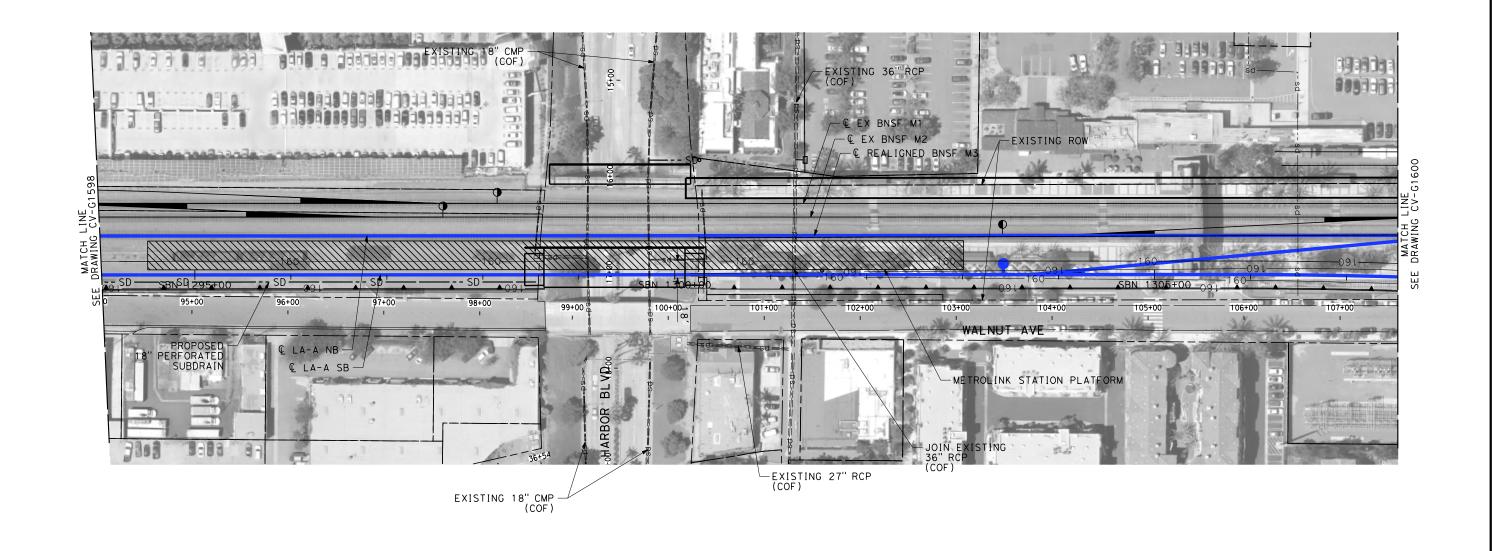
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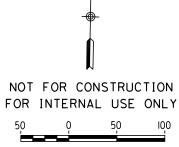
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1280+50 TO STA SBN 1294+00

В	LE FOR FULL SIZE ONLY	
	CONTRACT NO.	ı
	HSR06-0005	ı
	DRAWING NO.	ı
	CV-G1598	ı
	SCALE	ı
	1" = 50'	
	SHEET NO.	ı
_		



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



l"=50' scale applica	BLE FOR FL	JLL SIZE	ONL
CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT	NO.	200

						R. WONG
						DRAWN BY
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

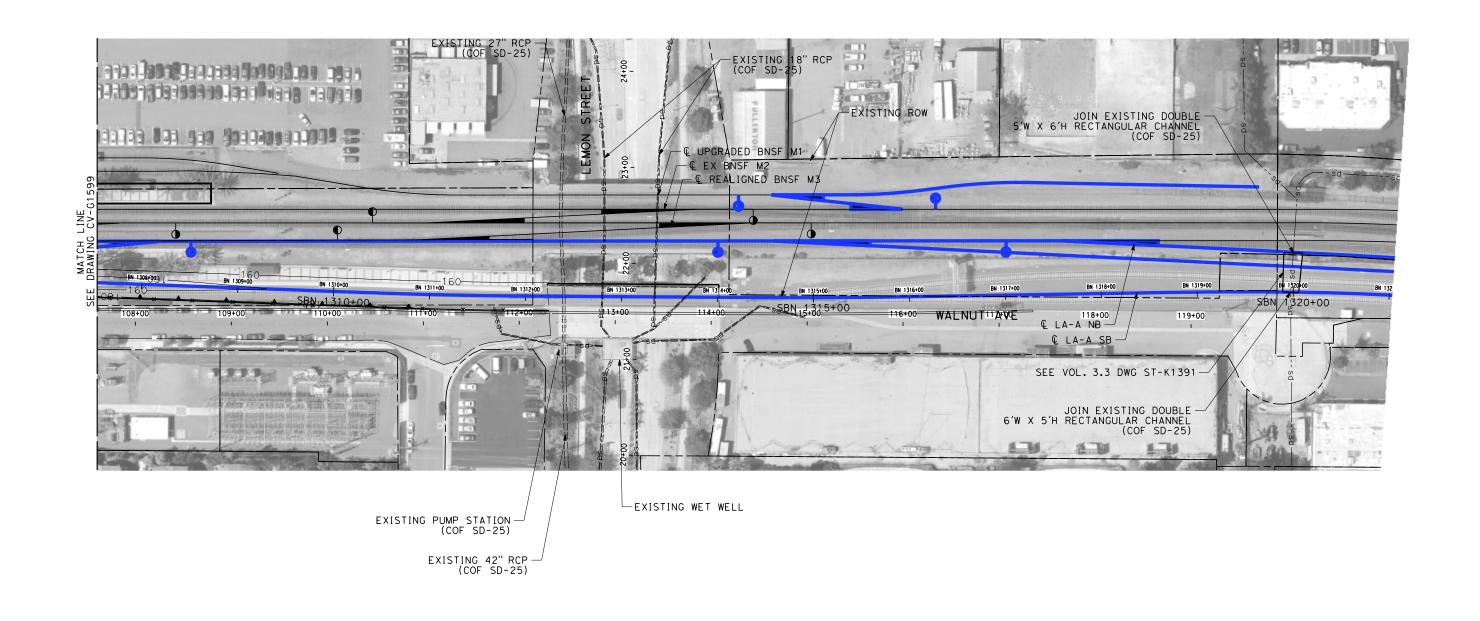
NOT FOR CONSTRUCTION



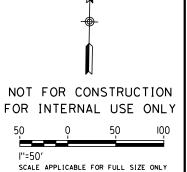


LOS ANGELES TO ANAHEIM
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1294+00 TO STA SBN 1307+50

CONTRACT NO.
HSRO6-0005
DRAWING NO.
CV-G1599
SCALE
1" = 50'
SHEET NO.



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25
						J. SWANSON
						M. SATISH
						CHECKED BY
						DRAWN BY D. BARRAZA
						R. WONG

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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CONSTRUCTION

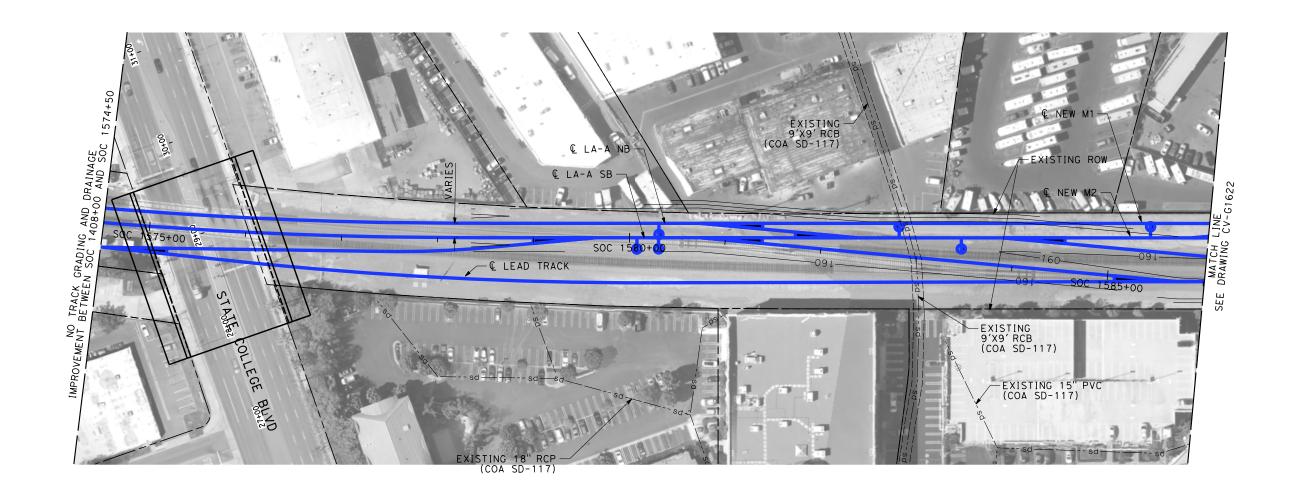
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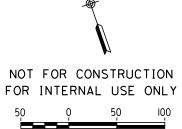
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SBN 1307+50 TO STA SBN 1321+00

CABLE FOR FULL SIZE ONLY				
	CONTRACT NO.			
	HSR06-0005			
	DRAWING NO.			
	CV-G1600			
u l	SCALE			
١,	1" = 50'			
	SHEET NO.			



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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I''=50′					
SCALE	APPLICABLE	FOR	FULL	SIZE	ONLY

						R. WONG	İ
						DRAWN BY	
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						M. SATISH IN CHARGE	İ
						J. SWANSON	
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	

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SUBMITTAL
FOR INTERNAL
USE ONLY
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CONSTRUCTION

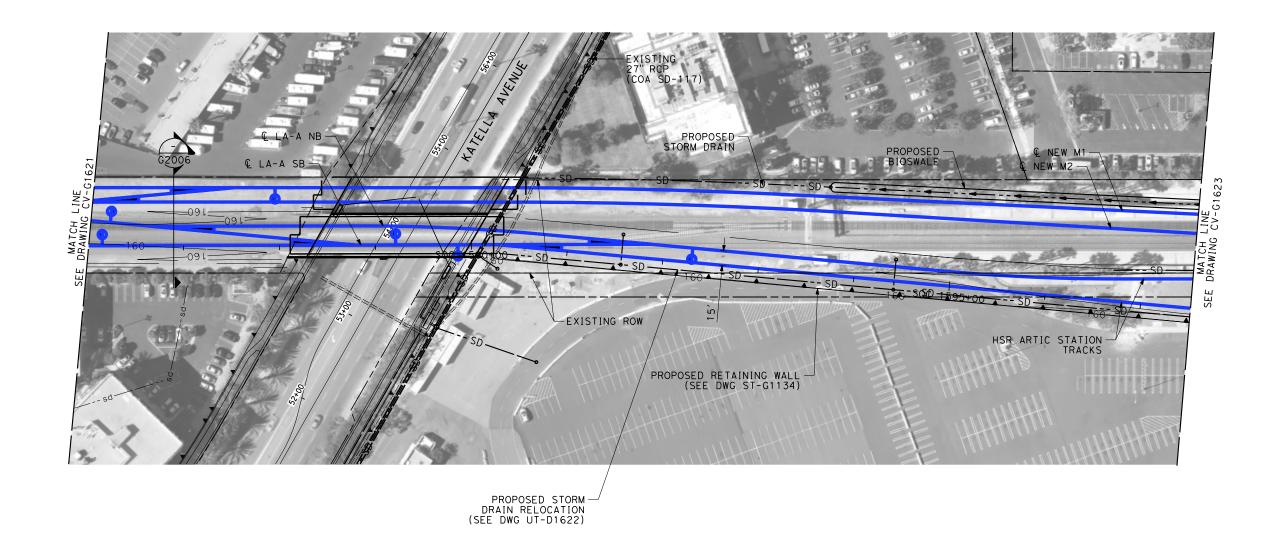
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

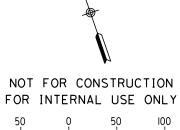
RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SOC 1574+50 TO STA SOC 1586+00

CABLE FOR FULL SIZE ONLY				
	CONTRACT NO.			
	HSR06-0005			
	DRAWING NO.			
	CV-G1621			
	SCALE			
N	1" = 50'			
	SHEET NO.			



BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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l"=50' scale	APPLICABLE	FOR FULL	SIZE	ONLY

				DESIGNED BY R. WONG
				DRAWN BY D. BARRAZA
				CHECKED BY
ω				M. SATISH
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DESCRIPTION

SUBMITTAL FOR INTERNAL USE ONLY

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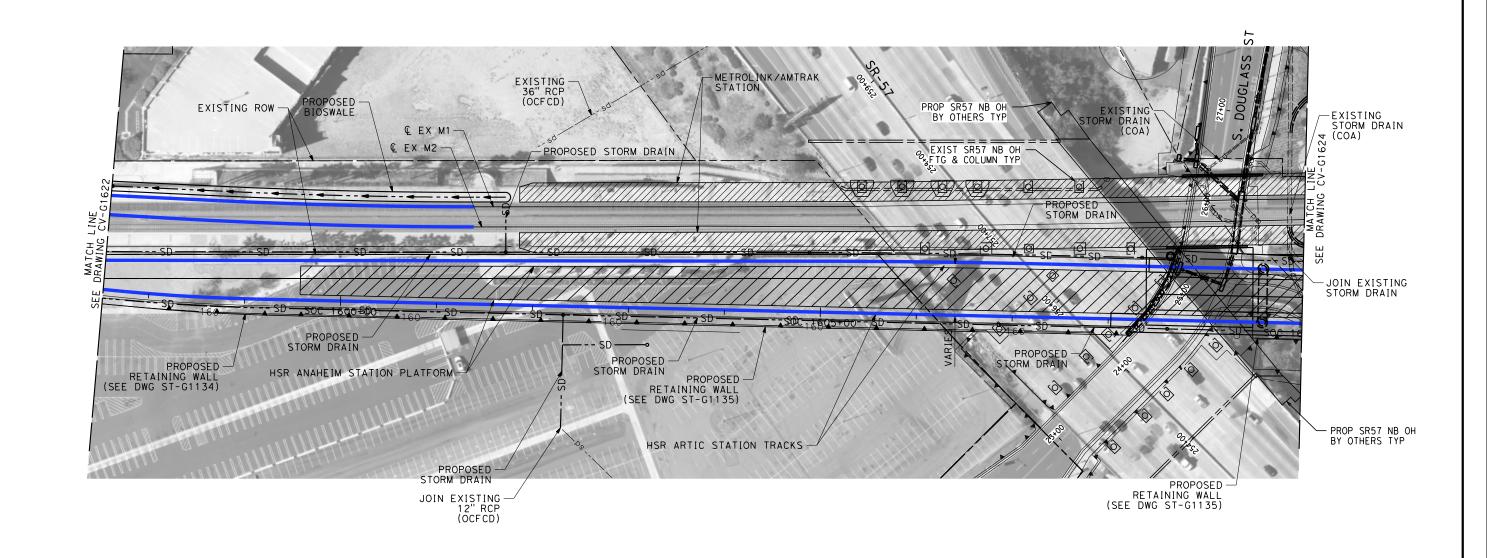
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SOC 1586+00 TO STA SOC 1597+50

CAB	CABLE FOR FULL SIZE ONLY						
	CONTRACT NO.						
	HSR06-0005						
	DRAWING NO.						
	CV-G1622						
	SCALE						
N	1" = 50'						
	SHEET NO.						

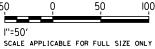


BY CHK APP

- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



FOR INTERNAL USE ONLY



					DESIGNED BY R. WONG	Г
					D. BARRAZA	ı
					CHECKED BY	ı
					M. SATISH IN CHARGE	ı
					J. SWANSON	ı

DESCRIPTION

PEPD SUBMITTAL FOR INTERNAL USE ONLY NOT FOR

CONSTRUCTION

02/28/25

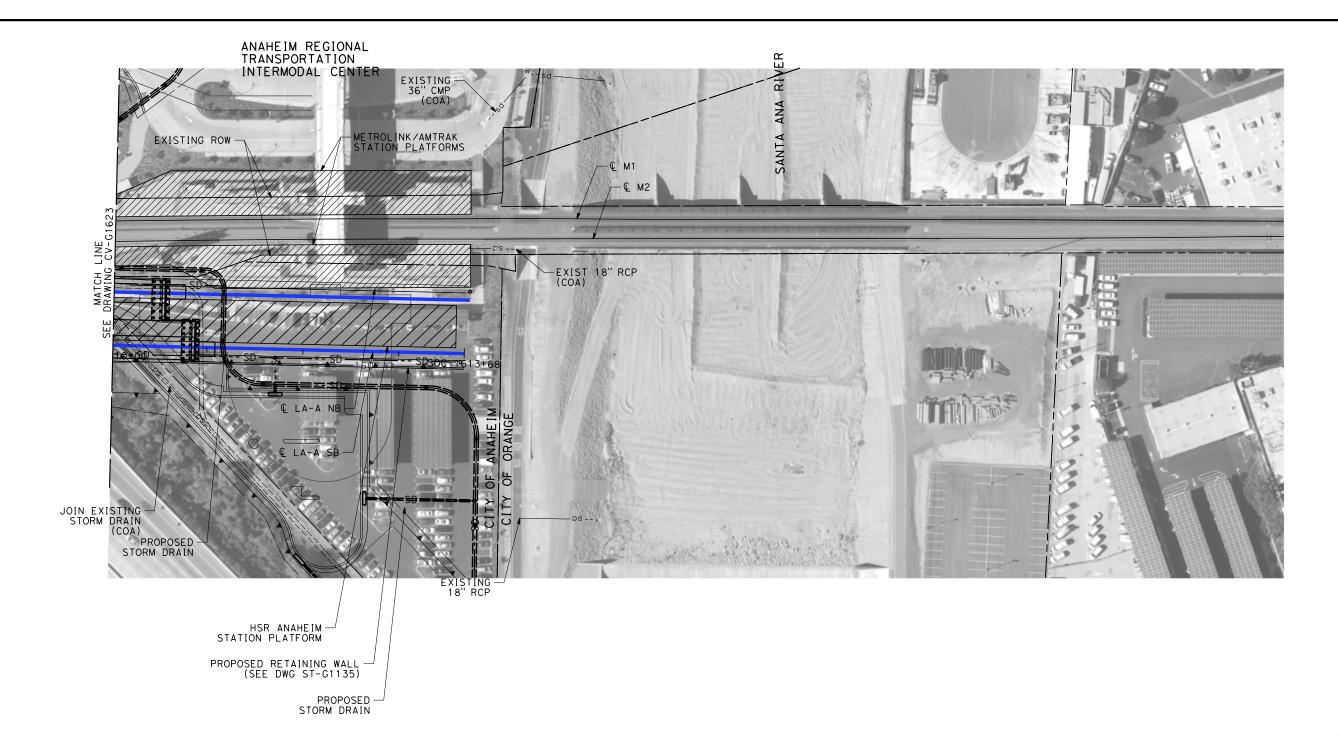




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION GRADING AND DRAINAGE STA SOC 1597+50 TO STA SOC 1610+00

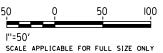
ICABLE FOR FULL SIZE ONLY						
	CONTRACT NO. HSR06-0005					
	DRAWING NO.					
	CV-G1623					
N	1" = 50'					
	SHEET NO.					



- 1. INTRUSION BARRIER WILL BE PROVIDED AT RAILROAD RIGHT OF WAY.
- 2. CONTOUR GRADING ALONG THE HST TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS, BALLAST IS NOT INCLUDED.
- 3. FOR RETAINING WALL INFORMATION SEE RETAINING WALL PLANS IN VOLUME 3.2.



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							R. WONG	ĺ
							DRAWN BY D. BARRAZA	
							CHECKED BY	
							M. SATISH	
9							IN CHARGE J. SWANSON	
# -	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25	

PEPD SUBMITTAL FOR INTERNAL USE ONLY

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CONSTRUCTION

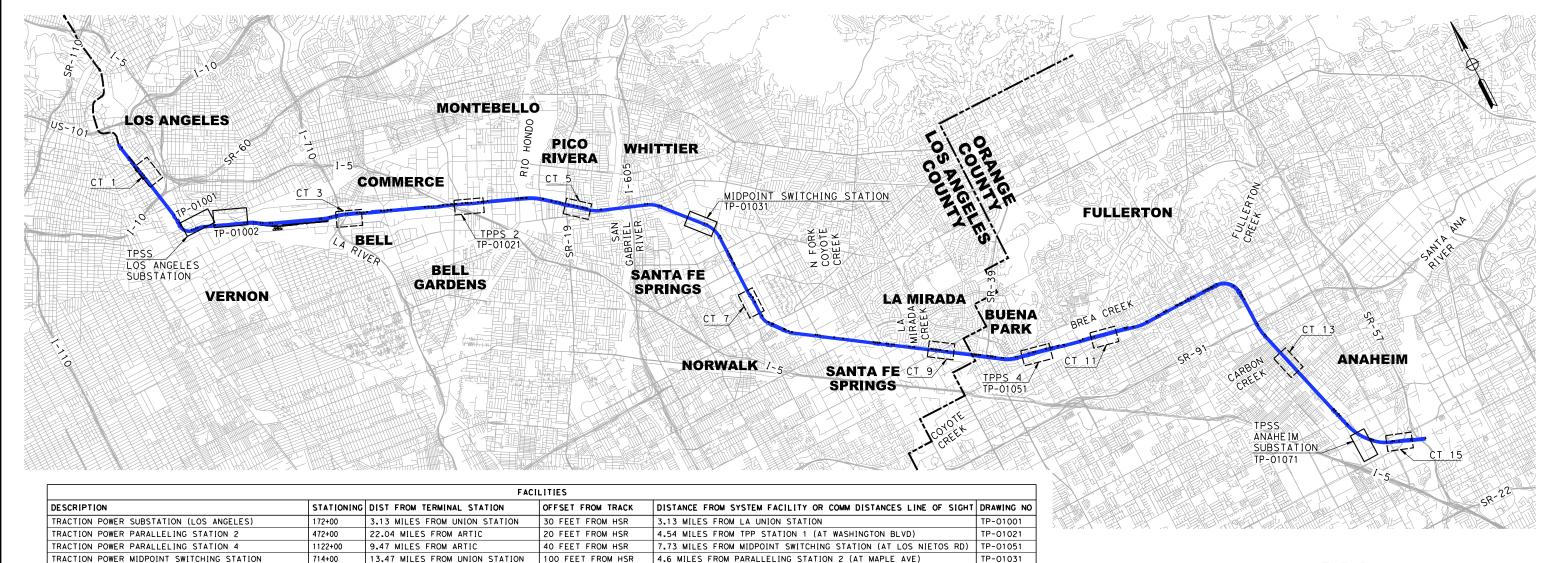
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
GRADING AND DRAINAGE
STA SOC 1610+00 TO STA SOC 1613+68

AB	LE FOR FULL SIZE ONLY
	CONTRACT NO.
	HSR06-0005
	DRAWING NO.
	CV-G1624
.	SCALE
'	1" = 50'
	SHEET NO.



8.01 MILES FROM PARALLELING STATION 4 (AT ARTESIA BLVD)

4.10 MILES FROM COMMUNICATION TOWER 1 (AT JESSE ST)

1.38 MILES FROM COMMUNICATION TOWER AT PATSAOURAS PLAZA

4.50 MILES FROM COMMUNICATION TOWER 3 (AT ATLANTIC BLVD

3,87 MILES FROM COMMUNICATION TOWER 7 (AT BLOOMFIELD AVE)

3,57 MILES FROM COMMUNICATION TOWER 11 (AT BROOKHURST RD)

3.22 MILES FROM COMMUNICATION TOWER 13 (AT SYCAMORE STREET)

3.91 MILES FROM COMMUNICATION TOWER 5 (AT SERAPIS AVE)

3.27 MILES FROM COMMUNICATION TOWER 9 (AT ALONDRA RD)

TRACTION POWER PARALLELING STATION

TRACTION POWER SUBSTATION

TRACTION SWITCHING STATION

COMMUNICATION TOWER

СТ

ΤO TURNOUT

LEGEND:

TPSWS

ΧO CROSSOVER

LOS ANGELES LΑ

IMPACTED PARCELS SEE ROW DRAWINGS

NOT FOR CONSTRUCTION FOR INTERNAL USE ONLY 5,000 10,000

l"=5000' SCALE APPLICABLE FOR FULL SIZE ONLY

R. NAFAR D. BARRAZA CHECKED BY M. SATISH V CHARGE J. SWANSON DATE BY CHK APP DESCRIPTION

1545+00

235+00

337+50

575+00

1021+00

1. SINCE THE HSR BURBANK TO LA SEGMENT (APPROXIMATELY 12 MILES LONG) HAS NO TRACTION POWER SUBSTATIONS (TPSS) WITHIN IT'S SEGMENT, THE LA TO ANAHEIM SEGMENT MUST HAVE TWO TPSS'S WITHIN IT'S SEGMENT. ONE IS LOCATED ON THE EAST BANK OF THE LA RIVER WITHIN THE CITY OF LA AND THE OTHER IS AT THE END OF THIS SEGMENT IN CITY OF ANAHEIM.

DISTANCE BETWEEN THESE TPSS'S IS APPROXIMATELY 30 MILES.

1.5 MILES FROM ARTIC

1.74 MILES FROM UNION STATION

6.25 MILES FROM UNION STATION

10.91 MILES FROM UNION STATION

15.27 MILES FROM UNION STATION

19.31 MILES FROM UNION STATION

22.52 MILES FROM UNION STATION

30.06 MILES FROM UNION STATION

27 MILES FROM UNION STATION

TRACTION POWER SUBSTATION (ANAHEIM)

COMMUNICATION TOWER 1 (STANDALONE RADIO SITE 1)

COMMUNICATION TOWER 3 (STANDALONE RADIO SITE 3)

COMMUNICATION TOWER 5 (STANDALONE RADIO SITE 5)

COMMUNICATION TOWER 7 (STANDALONE RADIO SITE 7)

COMMUNICATION TOWER 9 (STANDALONE RADIO SITE 9)

COMMUNICATION TOWER 11 (STANDALONE RADIO SITE 11) 1190+00

COMMUNICATION TOWER 13 (STANDALONE RADIO SITE 13) 1429+00

COMMUNICATION TOWER 15 (STANDALONE RADIO SITE 15) 1590+00

SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

69 FEET FROM HSR

801 FEET FROM HSR

53 FEET FROM HSR

72 FEET FROM HSR

97 FEET FROM HSR

100 FEET FROM HSR

111 FEET FROM HSR

178 FEET FROM HSR



TP-01071

CO-F1011

CO-F1031 CO-F1051

CO-F1071

CO-F1091

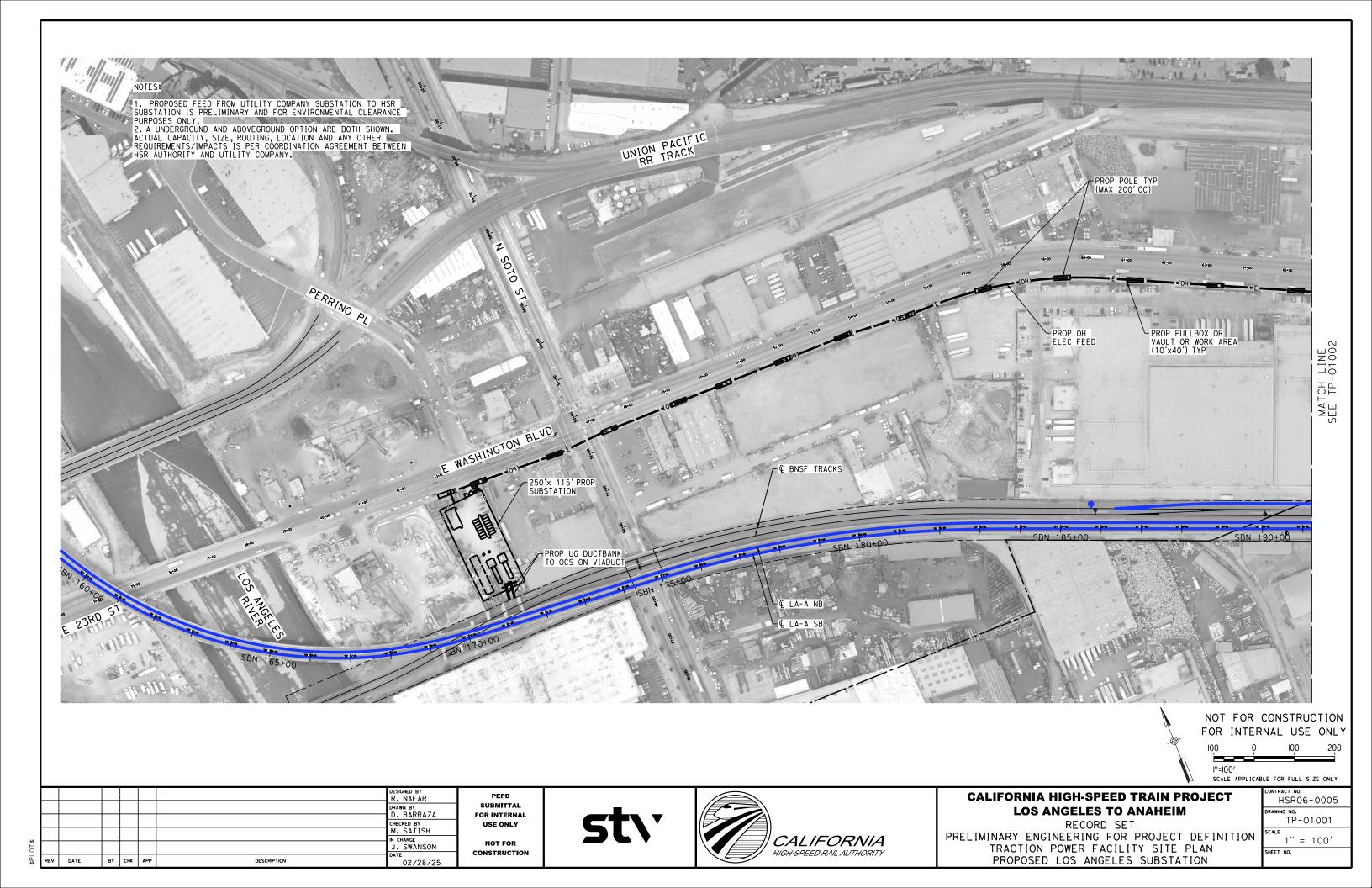
CO-F1111

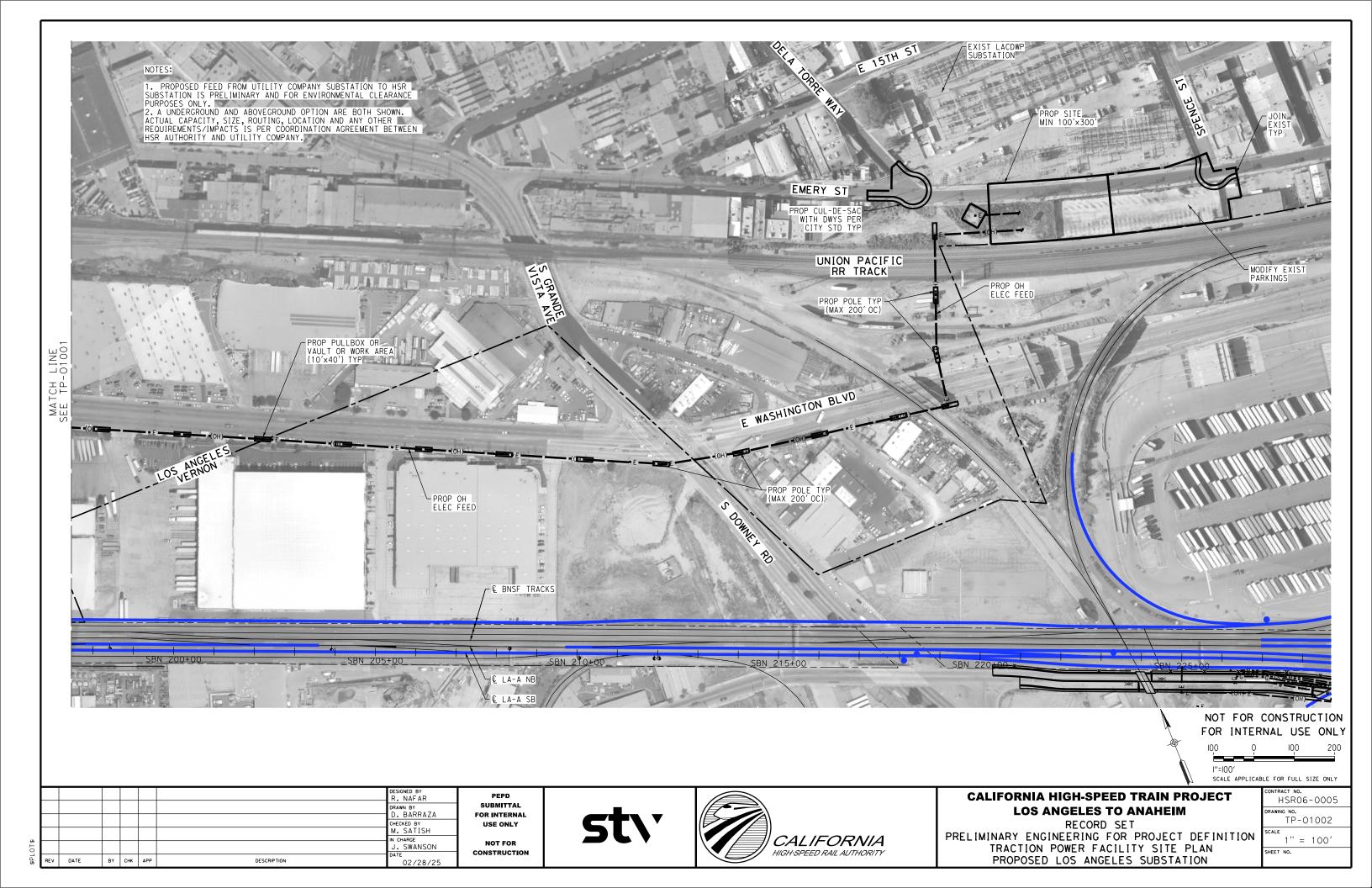
CO-F1131

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET PRELIMINARY ENGINEERING FOR PROJECT DEFINITION SYSTEM FACILITIES KEY PLAN SHEET 1 OF 1

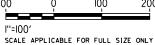
CONTRACT NO.
HSR06-0005
DRAWING NO.
TP-B0001
SCALE
1" = 5000'
SHEET NO.











CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
TRACTION POWER FACILITY SITE PLAN
PROPOSED PARALLELING STATION 2

_	
	CONTRACT NO. HSRO6-0005
	DRAWING NO. TP-01021
	1" = 100'
	SHEET NO.

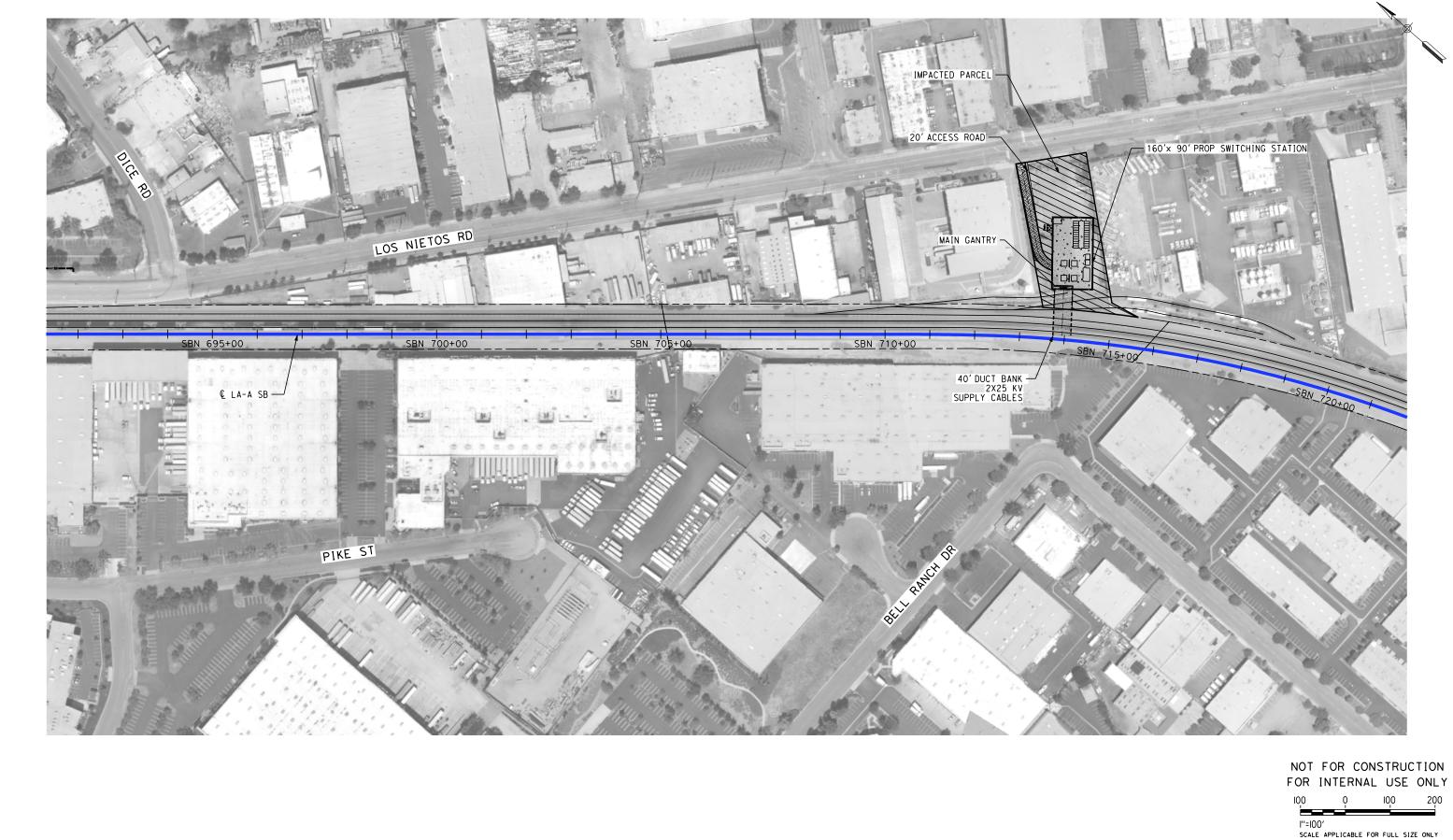
						DESIGNED BY R. NAFAR	_
						DRAWN BY D. BARRAZA	
						CHECKED BY	
						M. SATISH	
						IN CHARGE	
						J. SWANSON	
$\overline{}$			\vdash	\vdash		DATE	
REV	DATE	BY	СНК	APP	DESCRIPTION	02/28/25	

SUBMITTAL FOR INTERNAL **USE ONLY**

NOT FOR CONSTRUCTION







PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

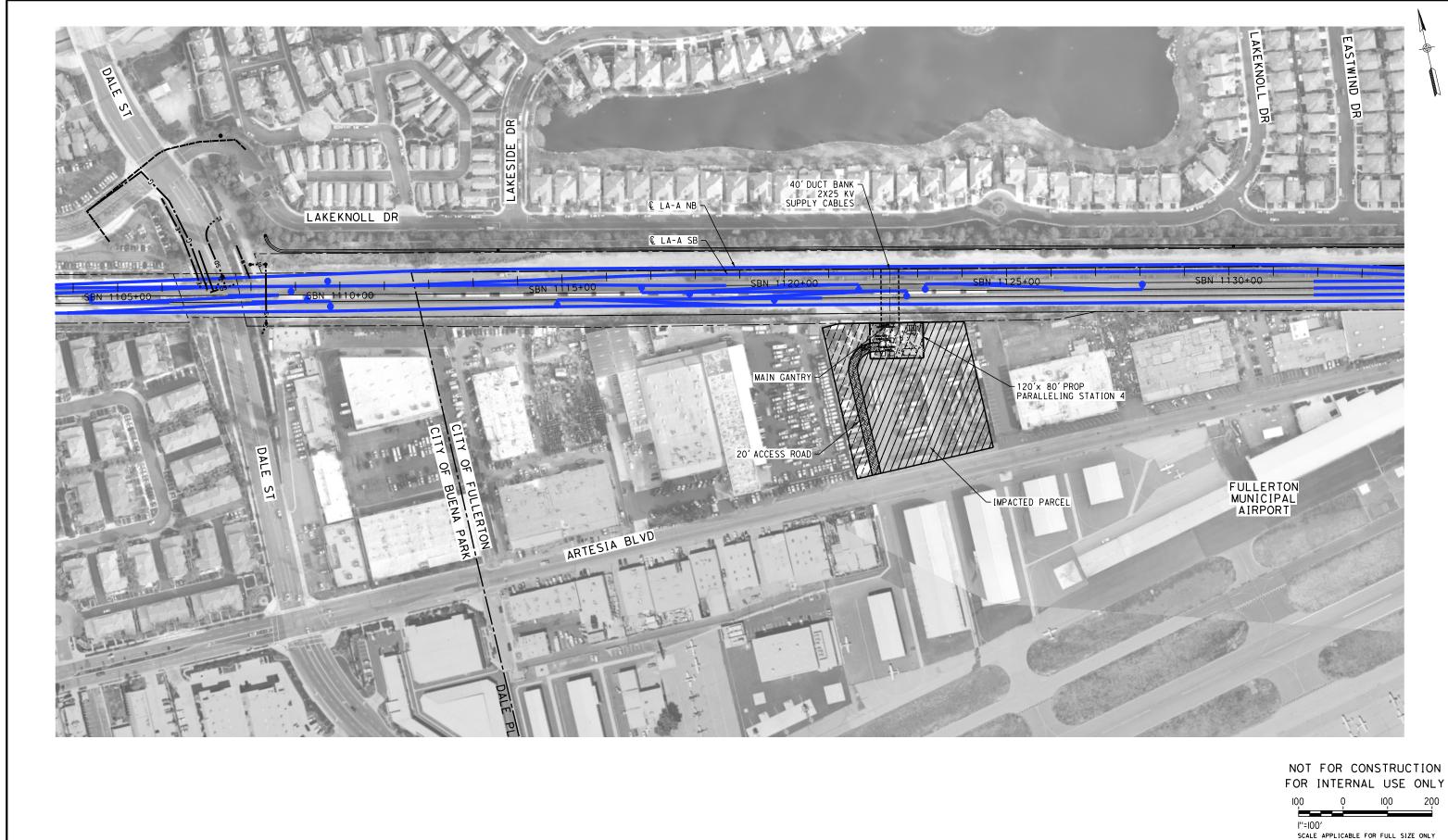
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CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
TRACTION POWER FACILITY SITE PLAN
PROPOSED MIDPOINT SWITCHING STATION

PLICABLE FOR FULL SIZE ONLY						
	CONTRACT NO.					
	HSR06-0005					
	DRAWING NO.					
	TP-01031					
ои	SCALE 4.00/					
···	1" = 100'					
	SHEET NO.					



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
TRACTION POWER FACILITY SITE PLAN
PROPOSED PARALLELING STATION 4

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. TP-01051
1	1" = 100'
	SHEET NO.

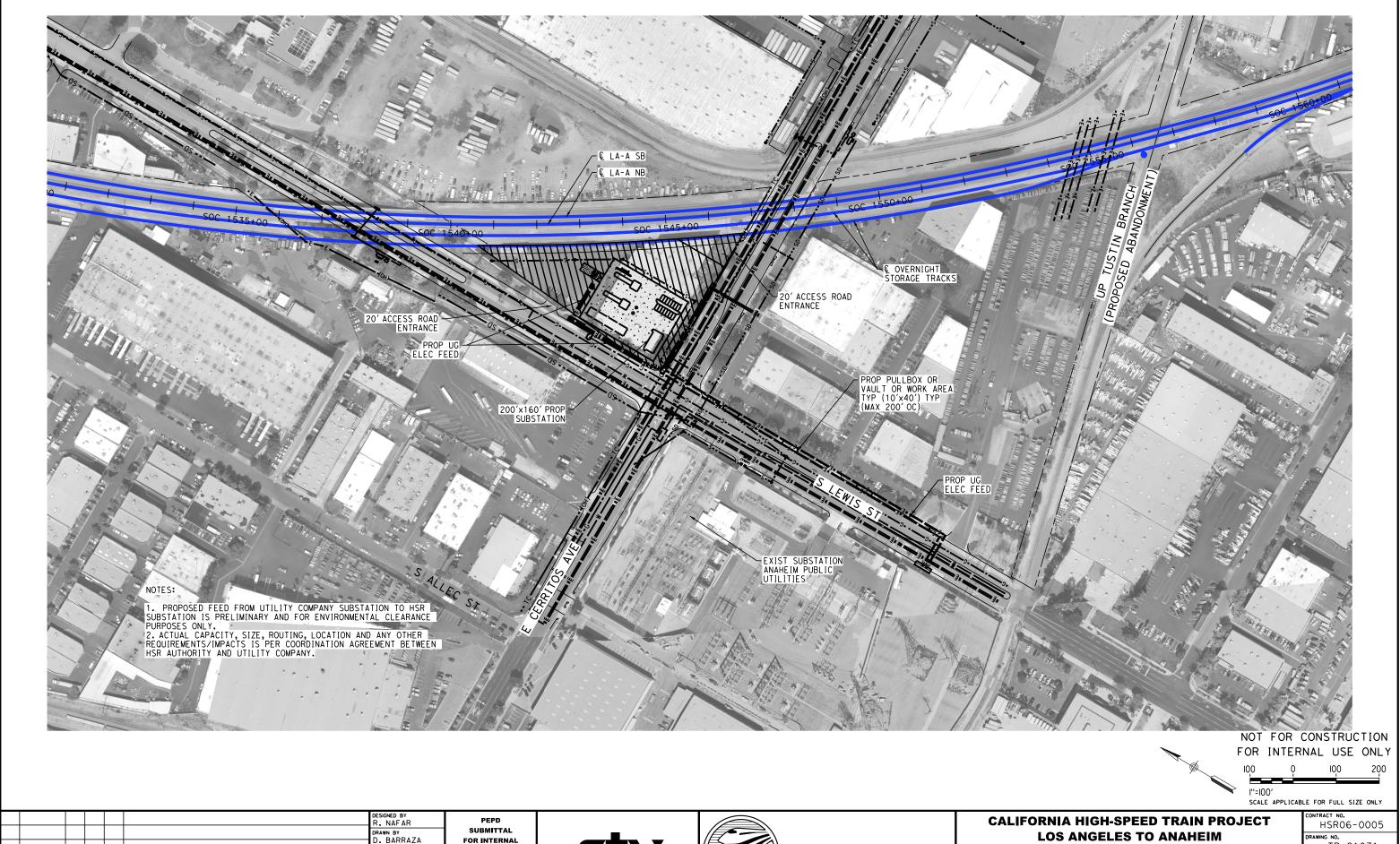
						DESIGNED BY R. NAFAR
						DRAWN BY
						CHECKED BY
						M. SATISH
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

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BY CHK APP

DESCRIPTION

CHECKED BY M. SATISH USE ONLY CHARGE NOT FOR CONSTRUCTION

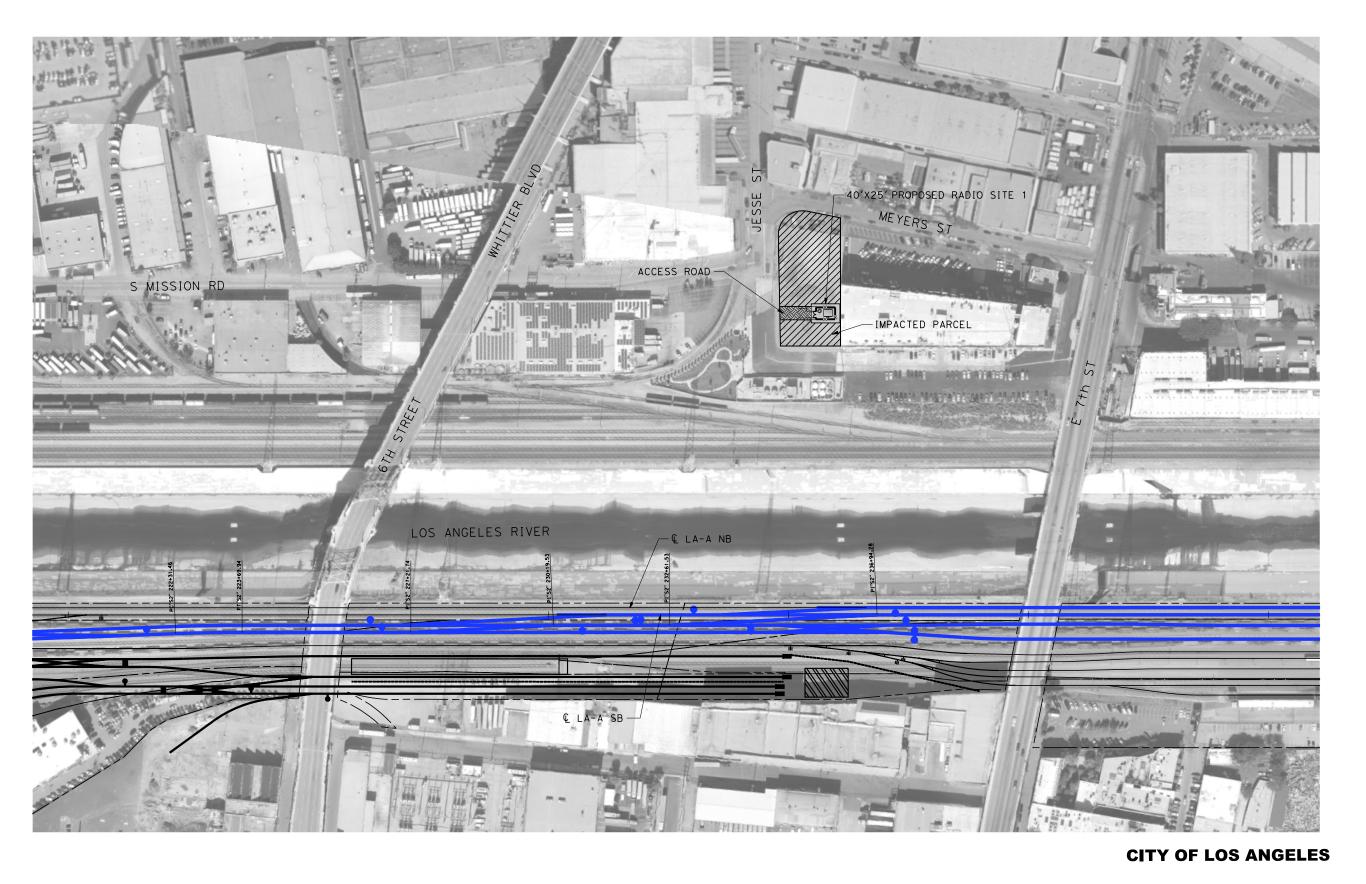
02/28/25



LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
TRACTION POWER FACILITY SITE PLAN
PROPOSED ANAHEIM SUBSTATION

CAB	CABLE FOR FULL SIZE ONLY				
	CONTRACT NO. HSR06-0005				
	H3K06-0003				
	DRAWING NO.				
	TP-01071				
.	SCALE				
V	1" = 100'				
	SHEET NO.				



SCALE APPLICABLE FOR FULL SIZE ONLY

CALIFORNIA HIGH-SPEED TRAIN PROJECT

LOS ANGELES TO ANAHEIM RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN STANDALONE RADIO SITE 1

CONTRACT NO.
HSR06-0005
DRAWING NO.
CO-F1011
SCALE
1" = 100'
SHEET NO.

SUBMITTAL FOR INTERNAL USE ONLY





NOT FOR CONSTRUCTION

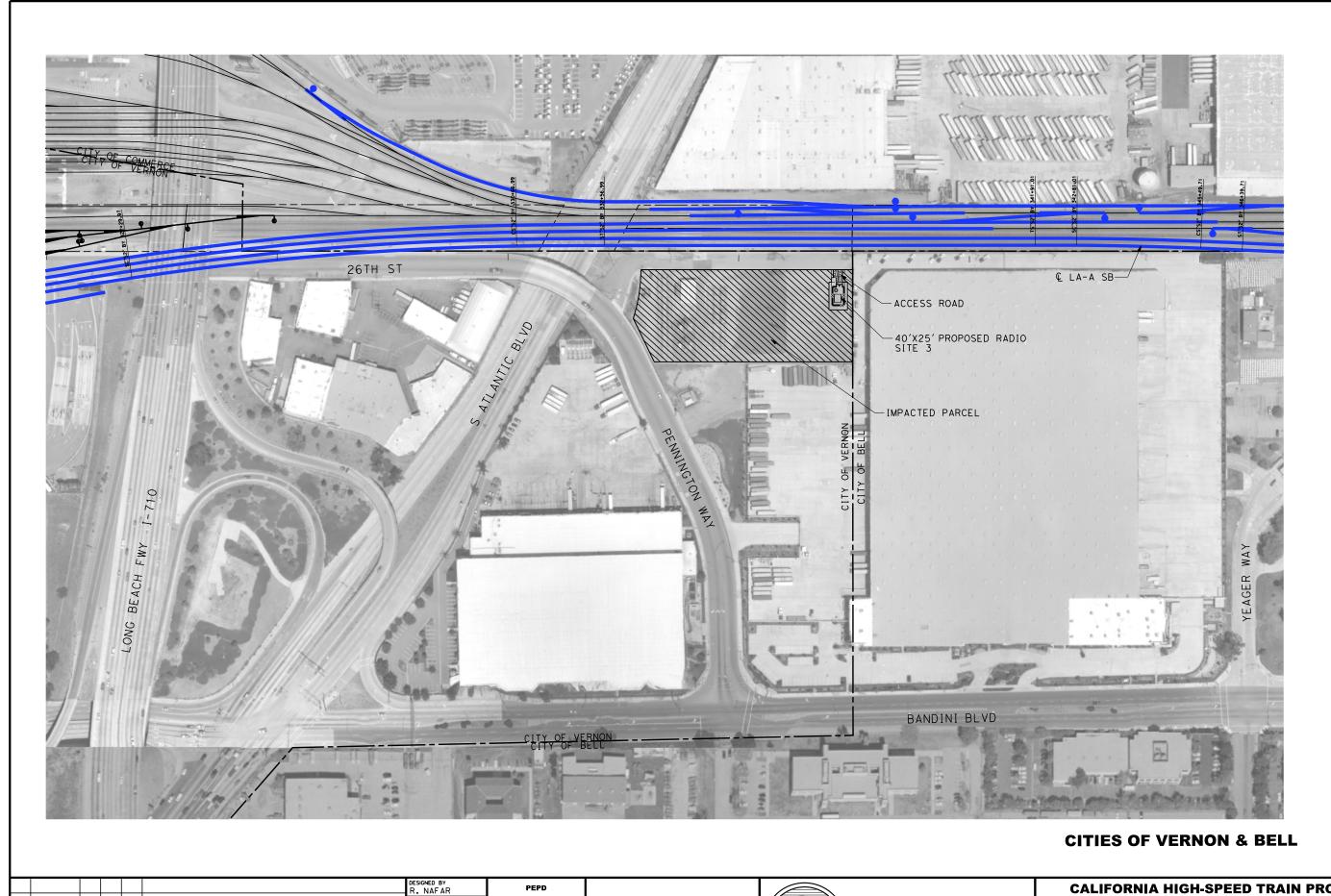
DESIGNED BY R. NAFAR

DRAWN BY

CHECKED BY M. SATISH

DESCRIPTION

N CHARGE J. SWANSON



SCALE APPLICABLE FOR FUL

SUBMITTAL DRAWN BY D. BARRAZA FOR INTERNAL CHECKED BY M. SATISH USE ONLY

CHARGE

02/28/25

NOT FOR CONSTRUCTION





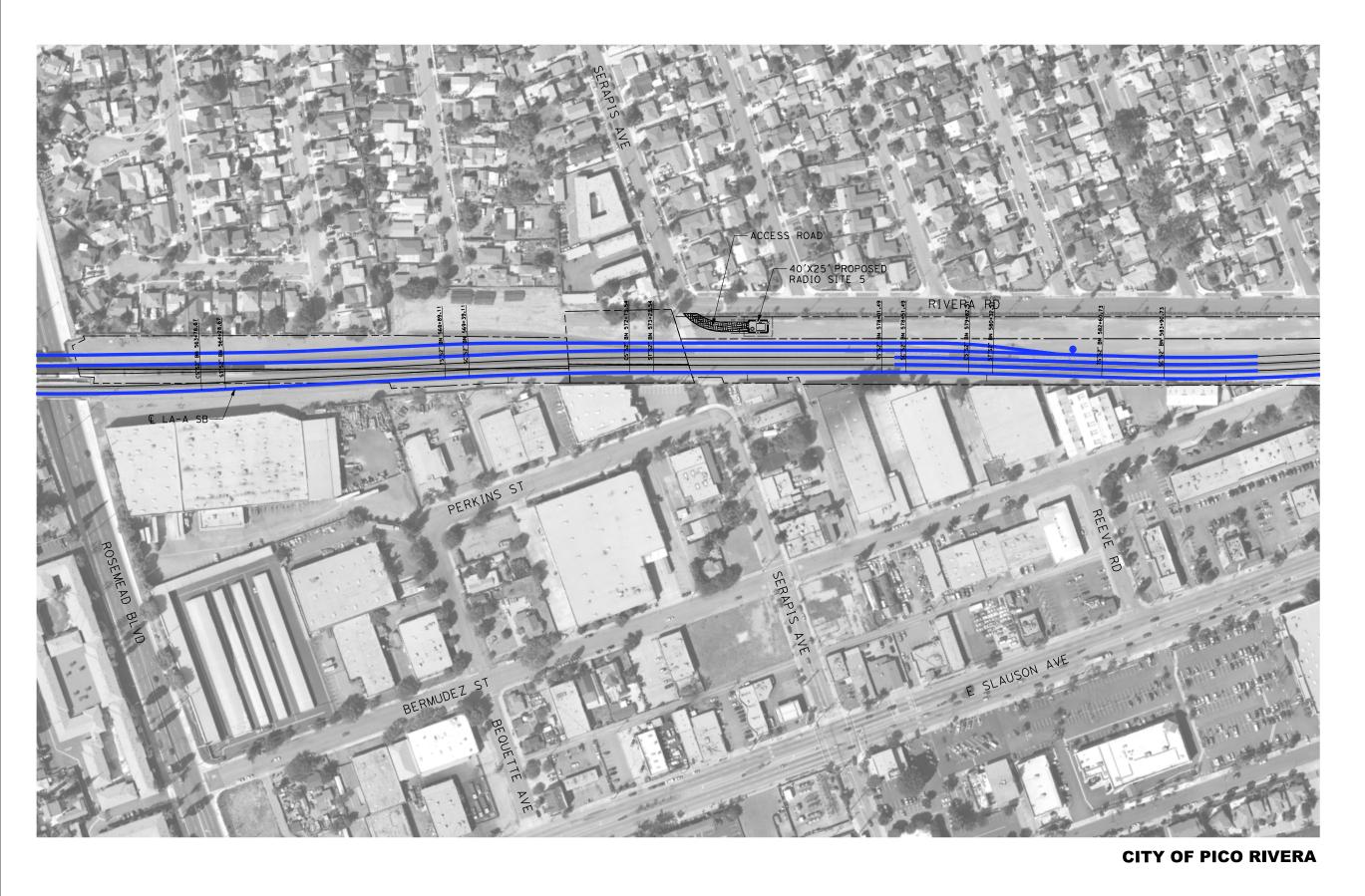
CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 3

SLE FOR FULL SIZE ONLY					
CONTRACT NO. HSR06-0005					
CO-F1031					
1'' = 100'					
SHEET NO.					

BY CHK APP

DESCRIPTION



|"=|00'
SCALE APPLICABLE FOR FULL SIZE ONL

						DESIGNED BY R. NAFAR
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

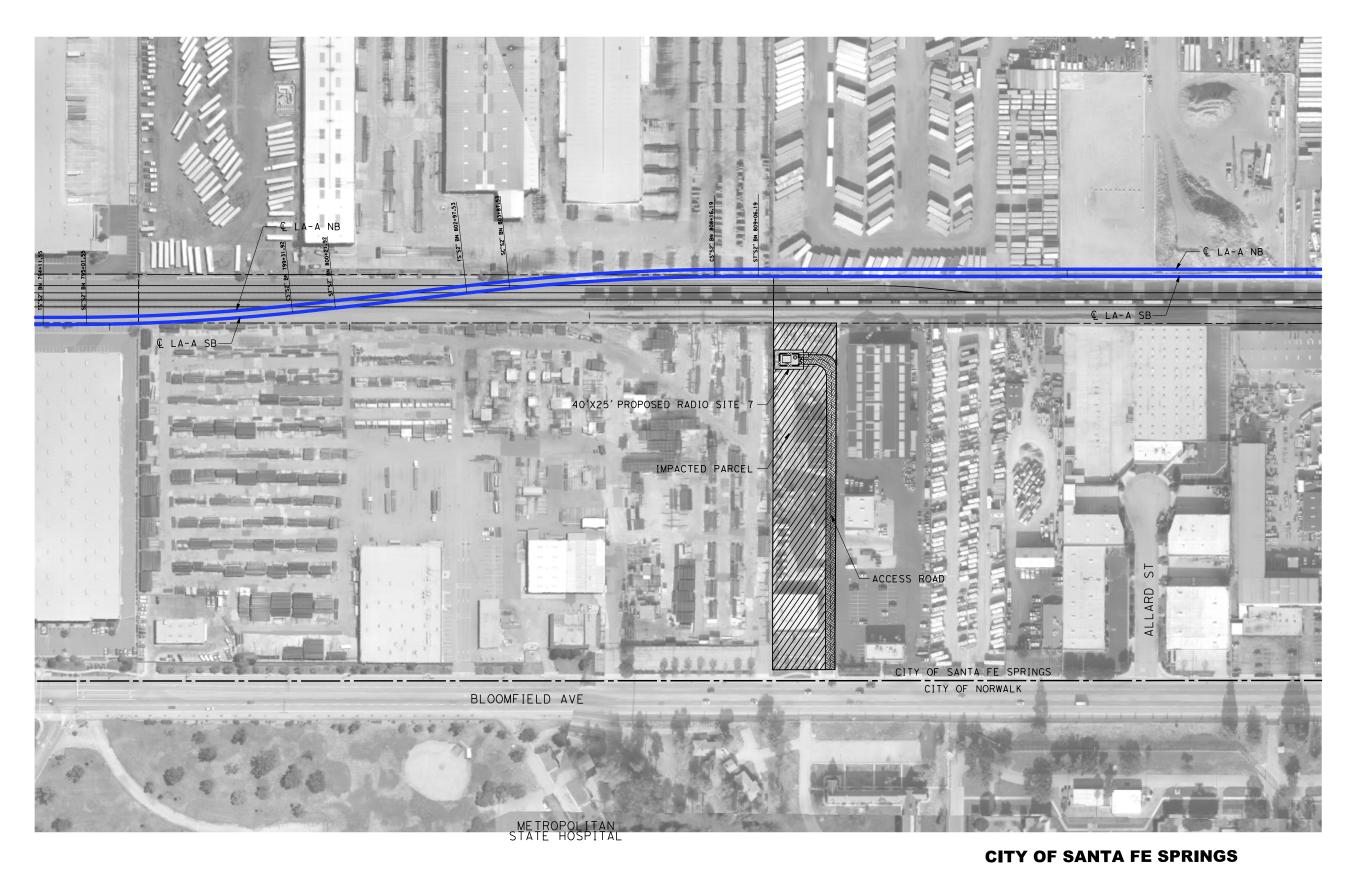
st



CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 5

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO.
	CO-F1051
1	1" = 100'
	SHEET NO.



100 0 100 200 1"=100'

|"=|()()'
SCALE APPLICABLE FOR FULL SIZE

| DESIGNED BY | R, NAF AR | DRAWN BY | D. BARRAZA | CHECKED BY | M, SATISH | IN CHARGE | J. SWANSON | DATE | BY CHK | APP | DESCRIPTION | DATE | O2/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

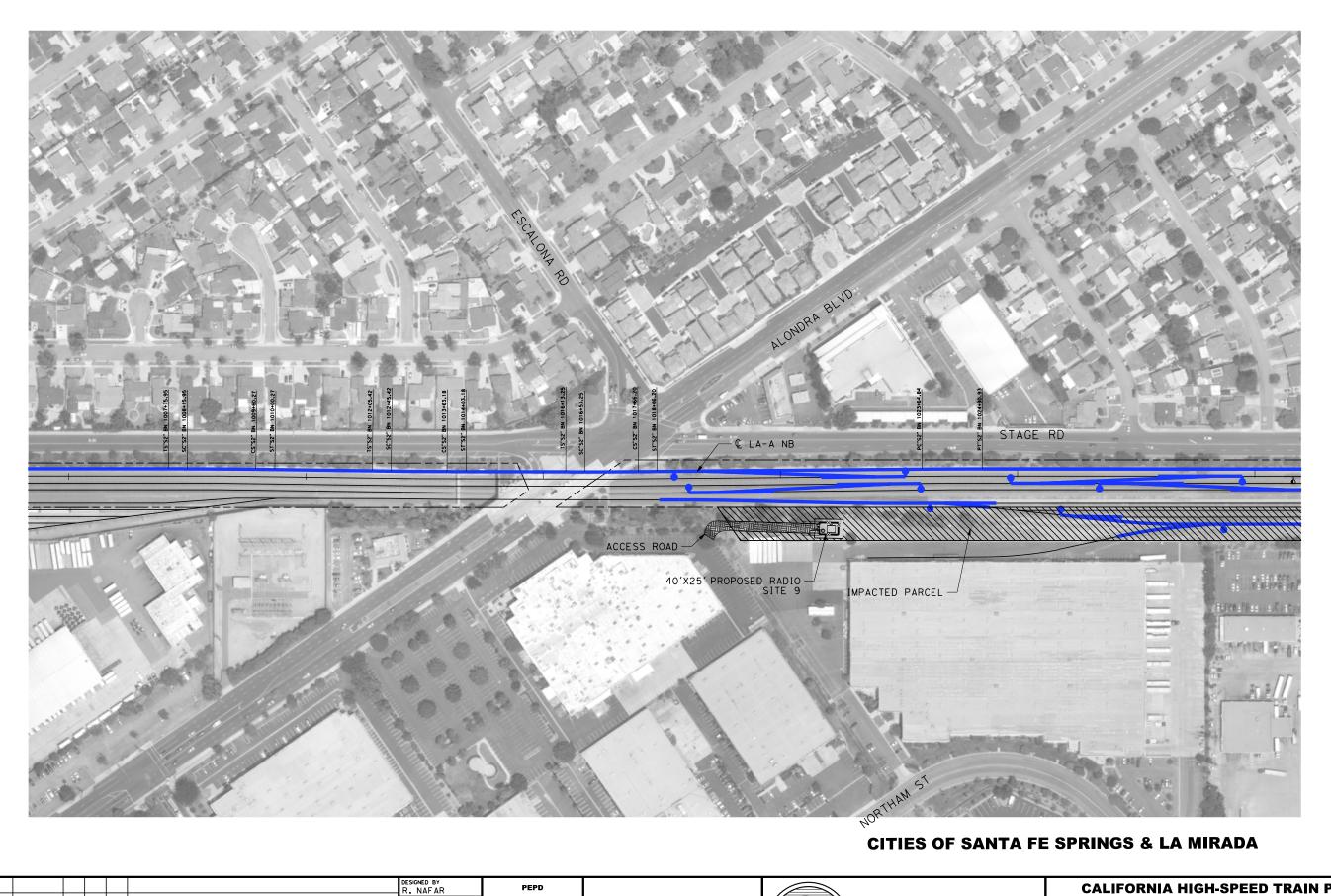




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 7

CAB	LE FOR FULL SIZE ONLY
	CONTRACT NO. HSRO6-0005
	DRAWING NO. CO-F1071
1	1" = 100'
	SHEET NO.



00 0 100 200

I"=100'
SCALE APPLICABLE FOR FULL SIZE ONLY

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 9

	CONTRACT NO. HSRO6-0005
	DRAWING NO.
	CO-F1091
.	SCALE
'	1" = 100'
	SHEET NO.

PEPD SUBMITTAL FOR INTERNAL USE ONLY

DRAWN BY D. BARRAZA

CHECKED BY M. SATISH

CHARGE

02/28/25

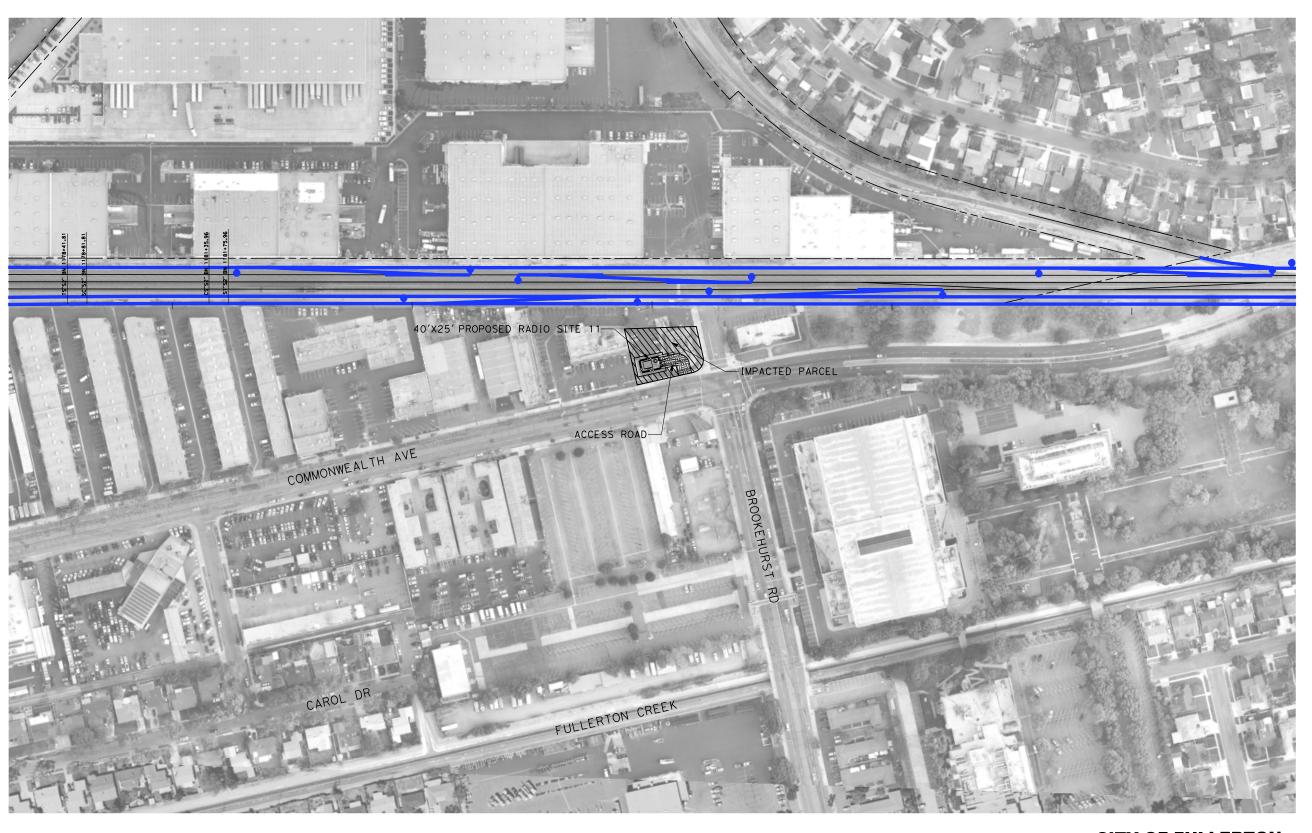
NOT FOR CONSTRUCTION





BY CHK APP

DESCRIPTION



100 0 100 20 I''=100' SCALE APPLICABLE FOR FULL SIZE ONLY

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 11

, до	LE FOR FULL SIZE ONL!
	CONTRACT NO. HSR06-0005
	DRAWING NO.
	CO-F1111
I	1" = 100'
	SHEET NO.

CITY OF FULLERTON

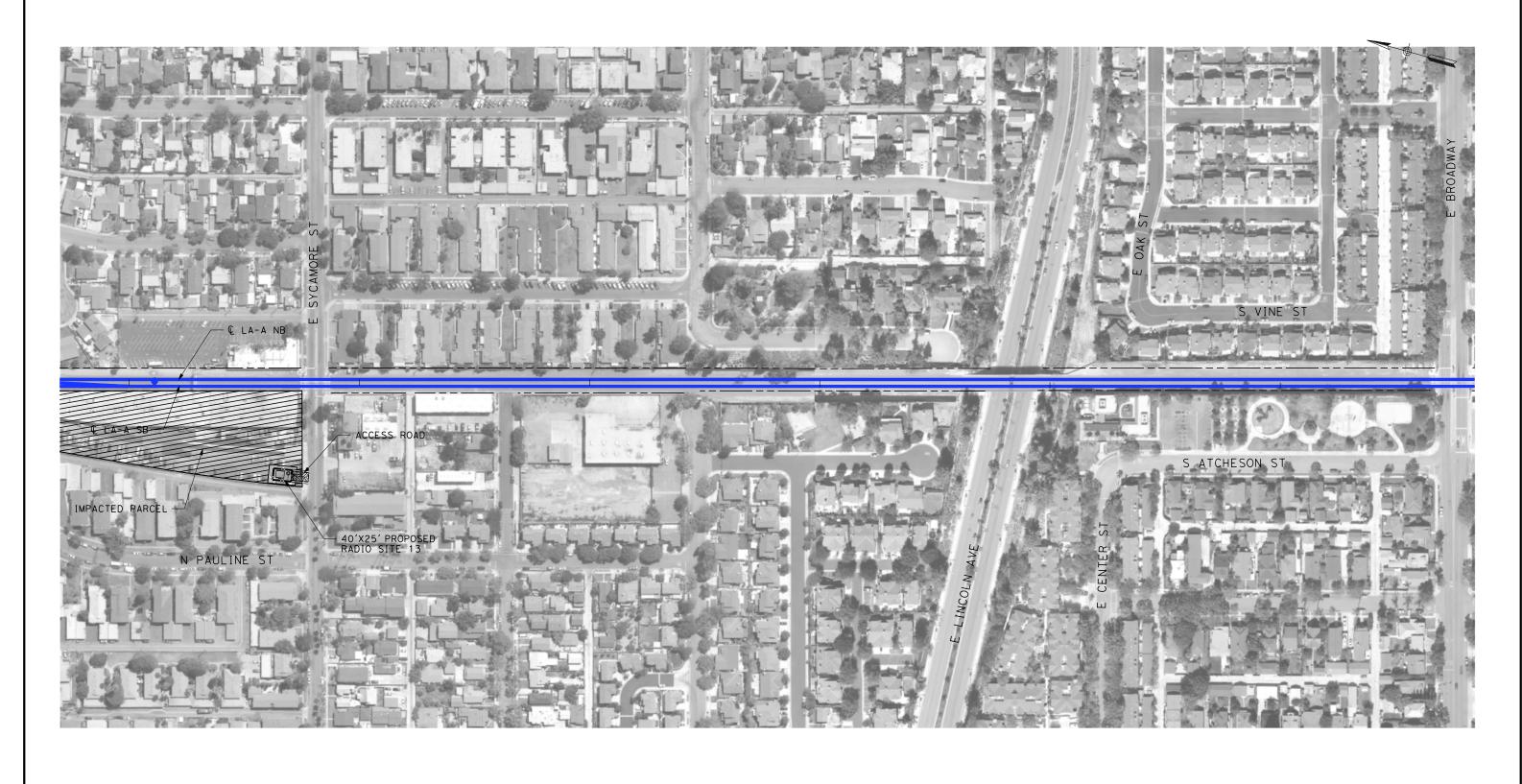
						DESIGNED BY R. NAFAR
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION







CITY OF ANAHEIM

NOT FOR CONSTRUCTION
FOR INTERNAL USE ONLY
100 0 100 200

I"-100'
SCALE APPLICABLE FOR FULL SIZE ONLY

						DESIGNED BY R. NAFAR
						DRAWN BY
						CHECKED BY
						M. SATISH IN CHARGE
						J. SWANSON
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/28/25

PEPD SUBMITTAL FOR INTERNAL USE ONLY

NOT FOR CONSTRUCTION

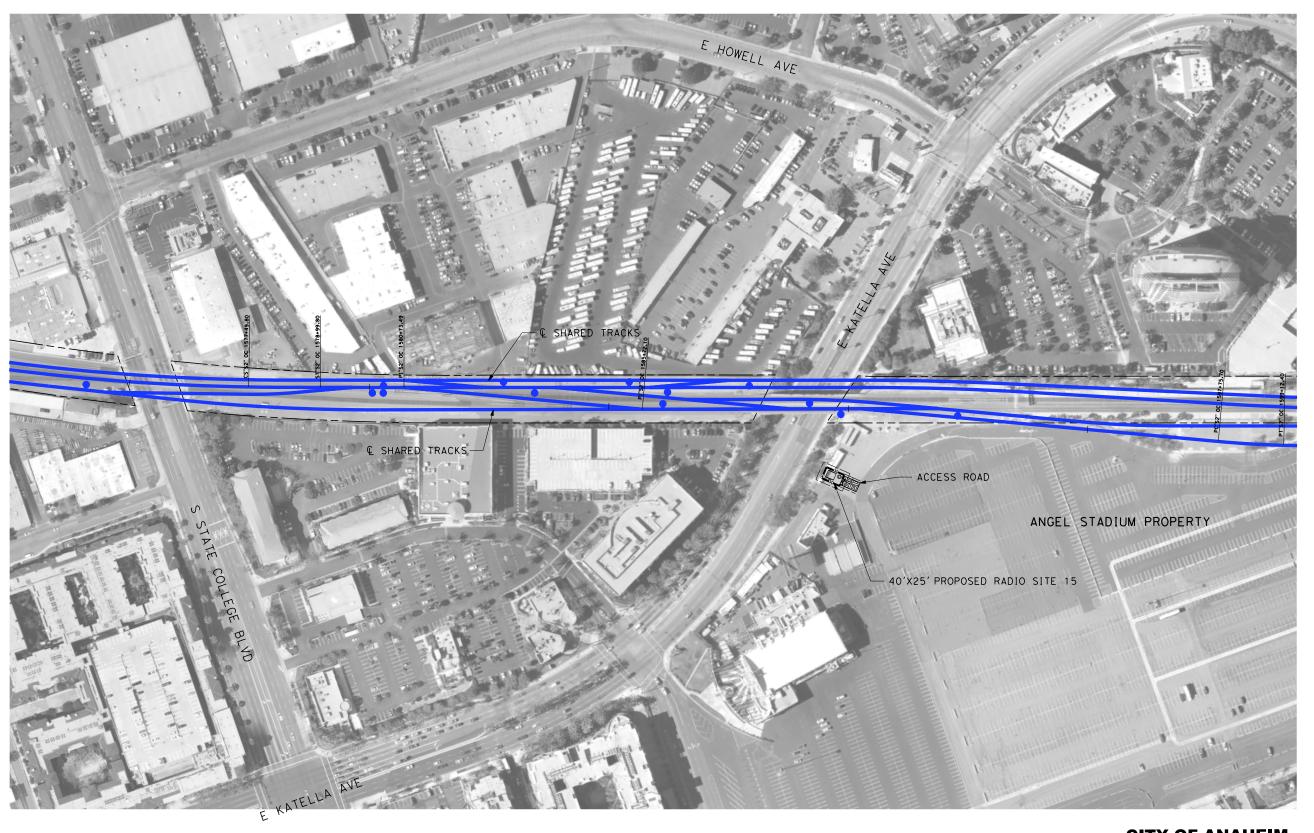




CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM

RECORD SET
PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
COMMUNICATIONS SYSTEM SITE PLAN
STANDALONE RADIO SITE 13

CABLE FOR FULL SIZE ONLY			
	CONTRACT NO. HSR06-0005		
	DRAWING NO.		
	CO-F1131		
u l	SCALE		
V	1" = 100'		
	SHEET NO.		



SCALE APPLICABLE FOR FULL SIZE ONLY

CALIFORNIA HIGH-SPEED TRAIN PROJECT

HSR06-0005 CO-F1151

CITY OF ANAHEIM

						DESIGNED BY R. NAFAR
						DRAWN BY D. BARRAZA
						CHECKED BY M. SATISH
						IN CHARGE
						J. SWANSON
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/28/25

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NOT FOR CONSTRUCTION



