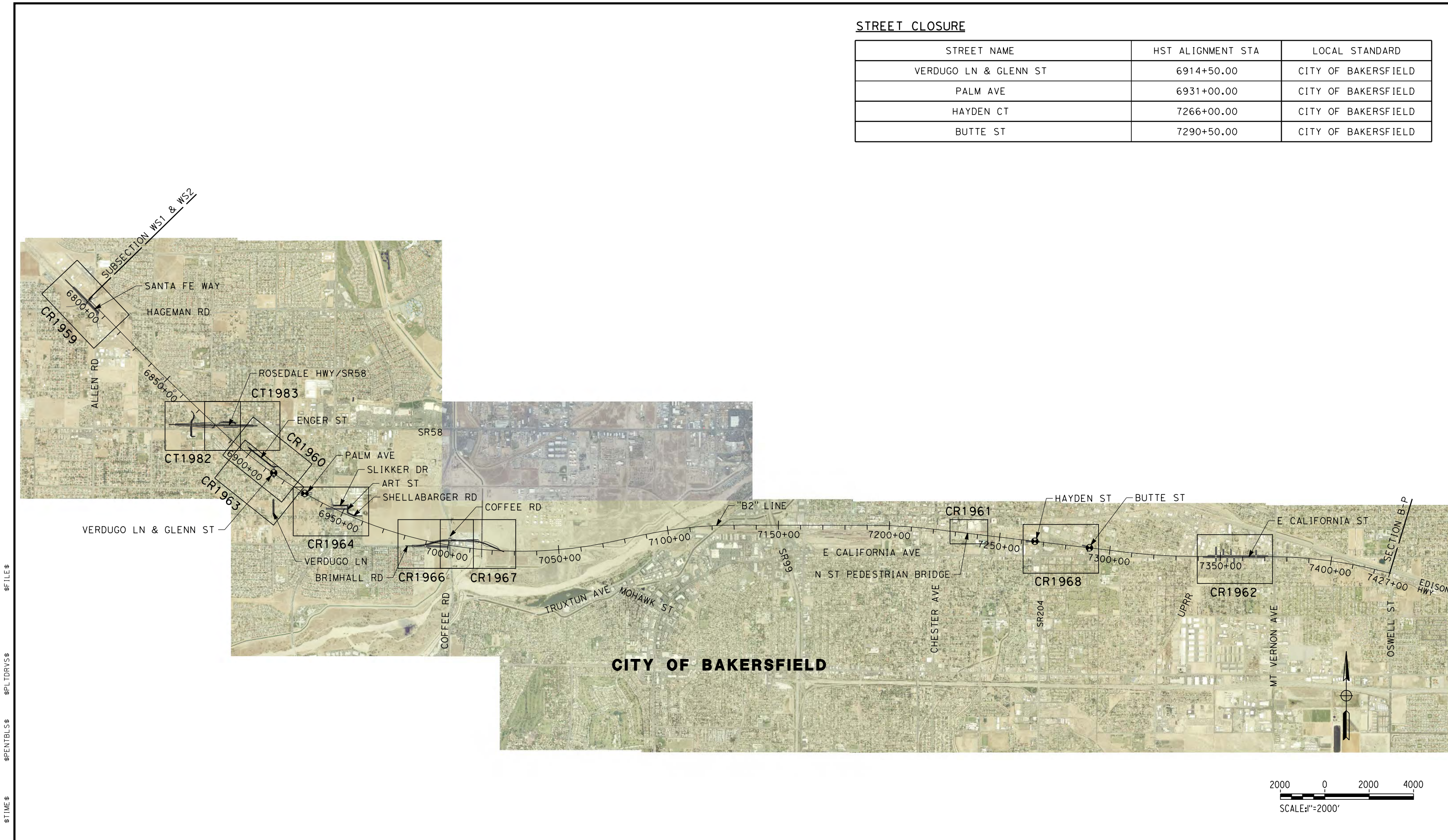


STREET CLOSURE

STREET NAME	HST ALIGNMENT STA	LOCAL STANDARD
VERDUGO LN & GLENN ST	6914+50.00	CITY OF BAKERSFIELD
PALM AVE	6931+00.00	CITY OF BAKERSFIELD
HAYDEN CT	7266+00.00	CITY OF BAKERSFIELD
BUTTE ST	7290+50.00	CITY OF BAKERSFIELD



\$FILE \$
 \$PLTDRVS \$
 \$PENTBLS \$
 \$TIME \$
 \$DATE \$
 \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY / GRADE SEPARATION
 KEY MAP

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB0200
 SCALE
 AS SHOWN
 SHEET NO.
 1 OF 24

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	90.21' LT "ROS" 105+37.39	123.81' LT "ROS" 113+80.85	859'	20'
2	81.54' RT "ROS" 105+36.74	74.87' RT "ROS" 115+94.50	1081'	20'
3	24.00' LT "JEW" 9+00.00	51.55' LT "JEW" 128+98.08	1021'	22'
4	94.51' RT "ROS" 119+95.97	78.30' RT "ROS" 126+06.36	611'	20'
5	55.84' RT "LOK" 102+91.55	28.00' RT "LOK" 18+99.34	327'	14'
6	93.47' LT "ROS" 117+82.42	128.47' LT "ROS" 120+87.04	322'	5'

LINE DATA

NO.	BEARING	DISTANCE
1	S 89°09'39" E	4000.00'
2	S 43°56'30" E	72.43'
3	S 34°36'55" W	56.89'
4	S 0°40'16" W	536.12'
5	S 89°19'44" E	151.51'
6	S 88°38'38" E	600.00'

CURVE DATA

NO.	R	Δ	T	L
①	250.00'	78°33'25"	204.47'	342.77'
②	273.00'	33°56'39"	83.32'	161.74'
③	50.00'	90°00'00"	50.00'	78.54'



\$FILE \$
 \$PLTDRVS \$
 \$PENTBLS \$
 \$DATE \$
 \$TIME \$
 \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

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 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 GRADE SEPARATION LAYOUT
 ROSEDALE HWY

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CT1982
 SCALE
AS SHOWN
 SHEET NO.
2 OF 24

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
3	19.00' LT "JEW" 9+00.00	48.57' LT "ROS" 128+98.08	1021'	22'
4	94.51' RT "ROS" 119+95.97	78.30' RT "ROS" 126+06.36	611'	20'

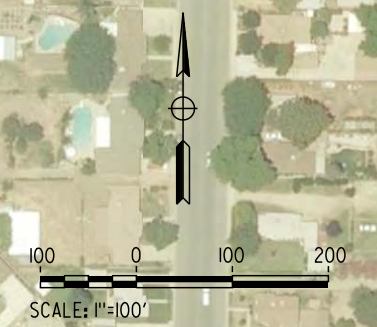


LINE DATA

NO.	BEARING	DISTANCE
1	S 89° 09' 39" E	4000.00'
6	S 88° 38' 38" E	600.00'
7	S 0° 53' 12" W	87.26'

CURVE DATA

NO.	R	Δ	T	L
(3)	55.00'	89° 31' 50"	54.55'	85.94'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

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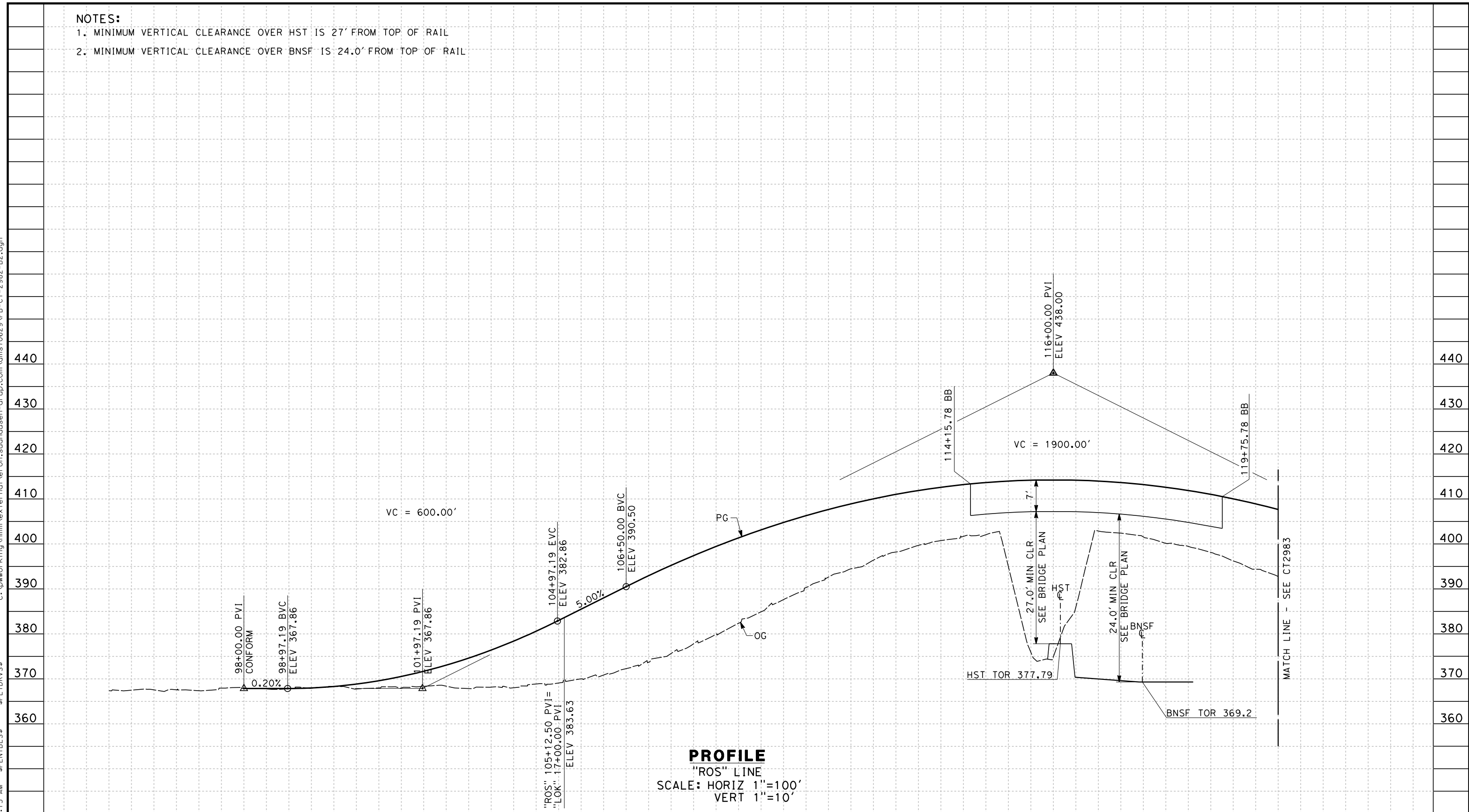
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
GRADE SEPARATION LAYOUT
ROSEDALE HWY

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CT1983
SCALE
AS SHOWN
SHEET NO.
3 OF 24

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER HST IS 27' FROM TOP OF RAIL
2. MINIMUM VERTICAL CLEARANCE OVER BNSF IS 24.0' FROM TOP OF RAIL

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 \$PENTBLS\$
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STATION	95	6	7	8	9	100	1	2	3	4	105	6	7	8	9	110	1	2	3	4	115	6	7	8	9	120	1	TOTAL	
Exc																													
Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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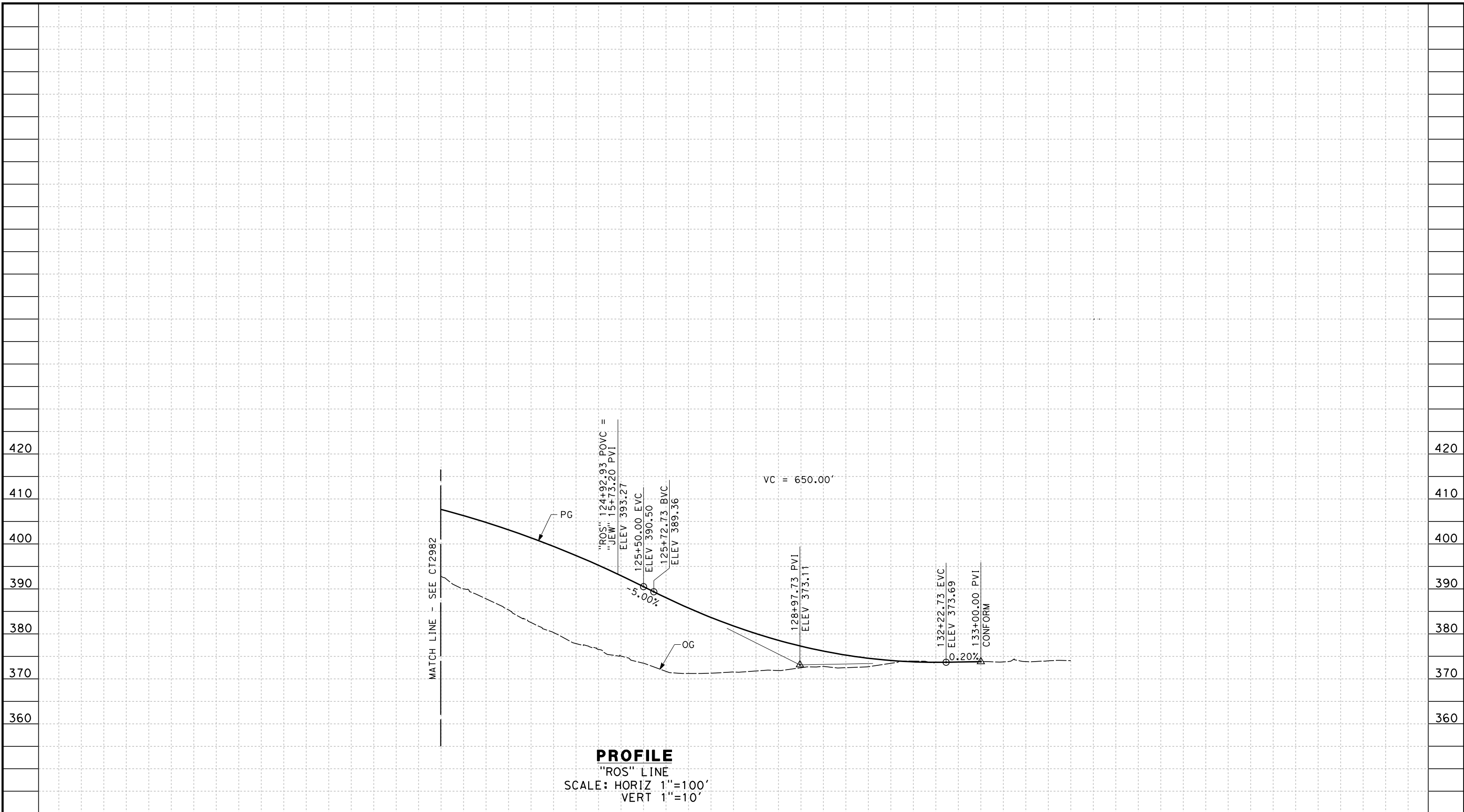
**NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 GRADE SEP PROFILE & SUPERELEVATION DIAGRAM
 ROSEDALE HWY

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CT2982
 SCALE
 AS SHOWN
 SHEET NO.
 4 OF 24

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 \$PENTBLS\$
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 eron.sudhausen 2/30/2013 11:53:46 AM



STATION	1	2	3	4	125	6	7	8	9	130	1	2	3	4	135	TOTAL
Exc																
Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

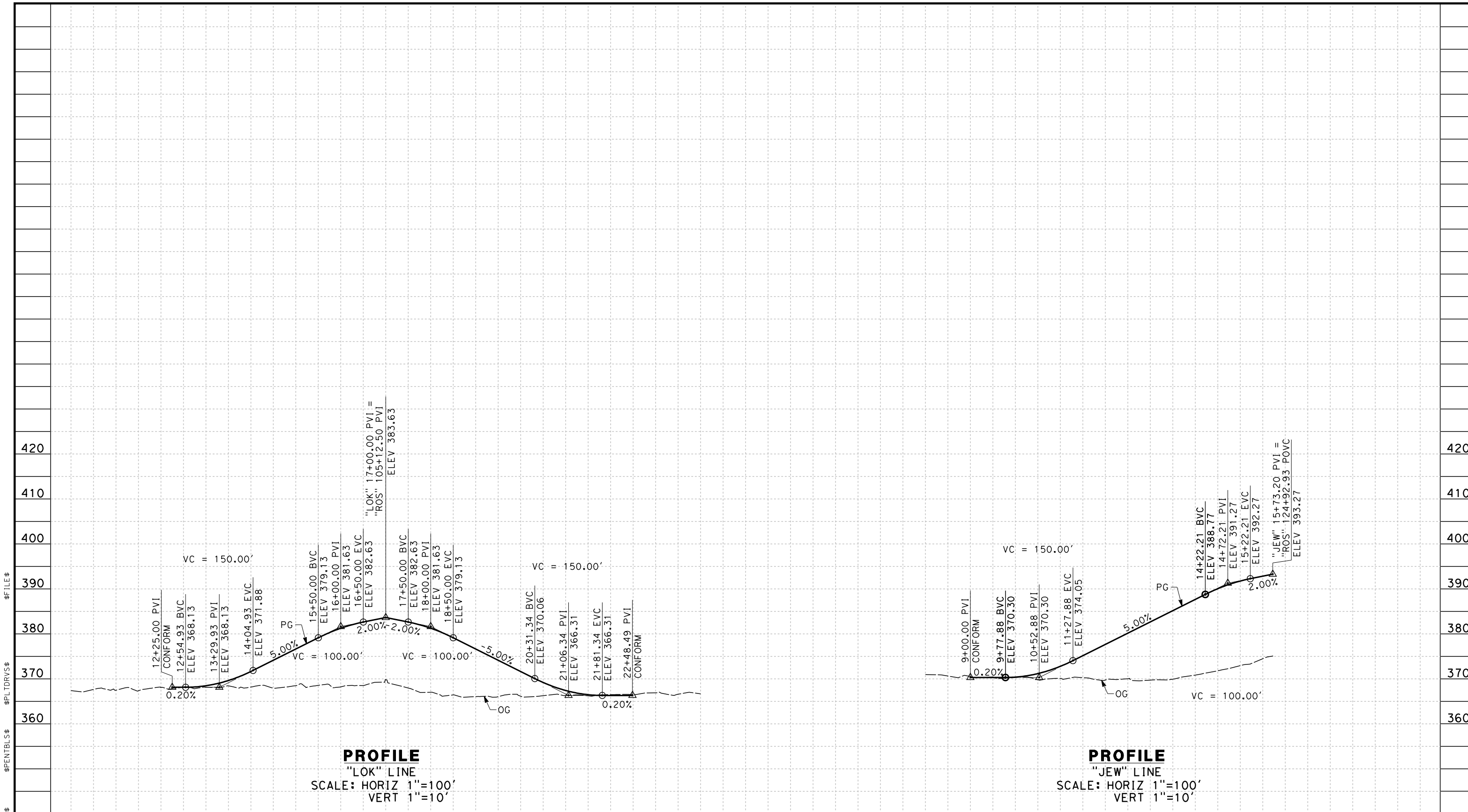
**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 GRADE SEP PROFILE & SUPERELEVATION DIAGRAM
 ROSDALE HWY

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CT2983
 SCALE
 AS SHOWN
 SHEET NO.
 5 OF 24



STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	9	10	1	2	3	4	15	6	7	TOTAL	
Exc																										
Emb																										

DESIGNED BY	A. CANNON
DRAWN BY	E. SUDHAUSEN
CHECKED BY	J. MONG
IN CHARGE	R. COFFIN
DATE	12/31/13

**RECORD SET 15%
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
GRADE SEP PROFILE & SUPERELEVATION DIAGRAM
LONE OAK DR AND JEWETTA AVE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CT2984
SCALE	AS SHOWN
SHEET NO.	6 OF 24

LINE DATA

NO.	BEARING	DISTANCE
1	S 44°15'47" E	302.07'
2	S 44°16'21" E	1417.60'

CURVE DATA

NO.	R	Δ	T	L
①	2000.00'	06°04'09"	106.03'	211.85'
②	2000.00'	06°03'34"	105.86'	211.52'

ROSEDALE LN

"B2" 6799+52.58 PI=
"WS1" 6511+99.19 PI
"WS2" 6468+32.91 PI

HAGEMAN ROAD/BNSF RAILROAD
GRADE SEPARATION IMPROVEMENT
(BY OTHER)

BNSF

HST ROW

"SF1" 85+82.40 EC

ROADWAY ROW

RETAINING WALL NO. 1 "WS1" & "WS2" LINE

RETAINING WALL NO. 2

CONFORM

"B2" LINE

"SF1" 83+70.88 PRC
CONFORM

6799+53

6800+00

6805+00

6810+00

6815+00

SANTA FE WAY

"SF1" LINE

SANTA FE WAY

"SF1" 100+00.00 PI

"SF1" 78+56.96 PI

"SF1" 81+59.03 BC

TOE OF FILL

ROADWAY ROW

"SF1" 92+18.87
CONFORM

CONFORM

R=304'

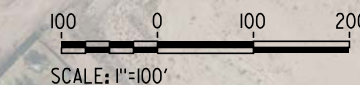
R=270'

ALLEN ROAD

REMOVE
CONCRETE
MEDIAN

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	43.00' LT "SF1" 84+79.52	43.00' LT "SF1" 91+97.52	718'	20'
2	43.00' LT "SF1" 93+84.82	43.00' LT "SF1" 99+34.02	549'	25'
3	81.69' RT "SF1" 93+27.26	137.10' RT "SF1" 100+00.00	714'	40'



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DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY LAYOUT
SANTA FE WAY

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1959
SCALE
AS SHOWN
SHEET NO.
7 OF 24

REV	DATE	BY	CHK	APP	DESCRIPTION

LINE DATA

NO.	BEARING	DISTANCE
1	S 44° 14' 58" E	125.00'
2	S 51° 38' 21" E	1081.86'
3	S 89° 22' 17" E	166.60'

CURVE DATA

NO.	R	Δ	T	L
①	1000.00'	07° 23' 23"	64.58'	128.98'
②	300.00'	37° 43' 56"	102.52'	197.57'



joshua.thomas 12/27/2013 2:49:19 PM c:\pwworking\hmm\external\joshua.thomas-arup.com\dms70629\FB-CR-1960-B2.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

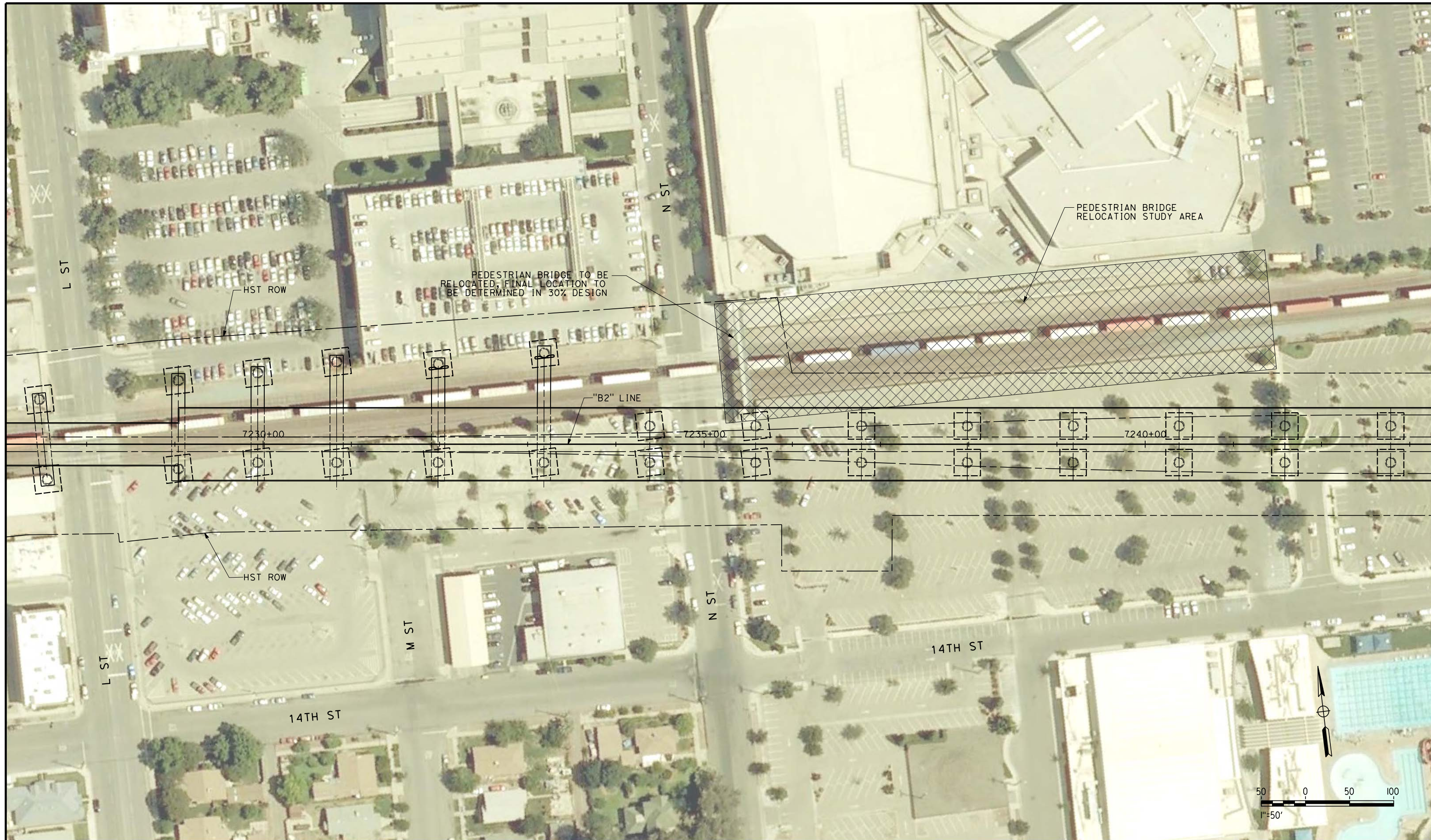
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY LAYOUT
ENGER ST

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1960
SCALE
AS SHOWN
SHEET NO.
8 OF 24



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 A. CANNON
 DRAWN BY
 E. SUDHAUSEN
 CHECKED BY
 J. MONG
 IN CHARGE
 R. COFFIN
 DATE
 12/31/13

**15% RECORD SET
 DESIGN SUBMISSION**

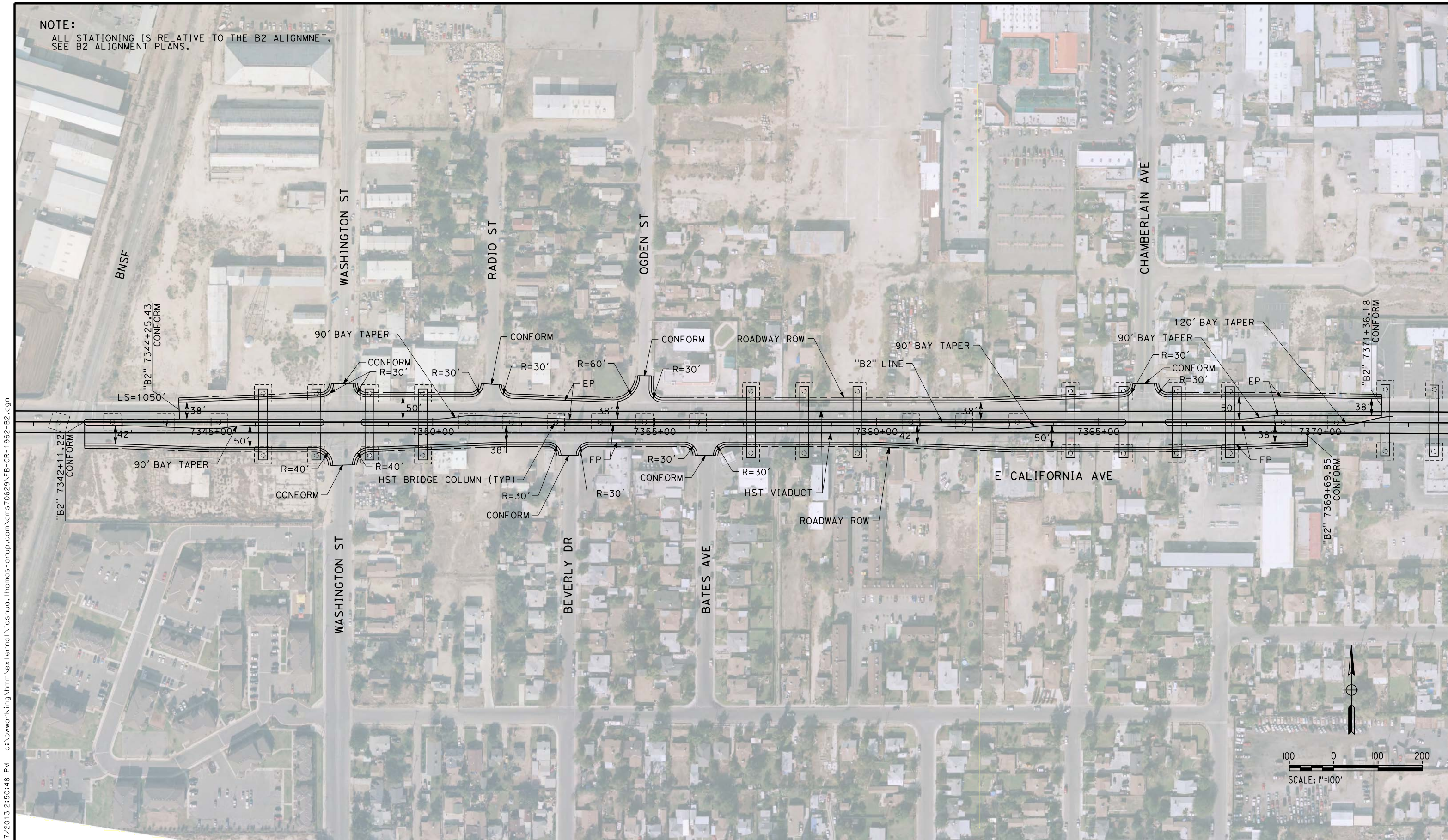
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY LAYOUT
 N-ST PEDESTRAIN BRIDGE

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR1961
 SCALE
 AS SHOWN
 SHEET NO.
 9 OF 24

NOTE:
ALL STATIONING IS RELATIVE TO THE B2 ALIGNMENT.
SEE B2 ALIGNMENT PLANS.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON

DRAWN BY
E. SUDHAUSEN

CHECKED BY
J. MONG

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY LAYOUT
E CALIFORNIA AVE

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CR1962

SCALE
AS SHOWN

SHEET NO.
10 OF 24

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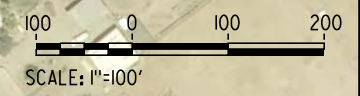


LINE DATA

NO.	BEARING	DISTANCE
1	S 01°18'02" E	389.47'
2	S 00°50'09" W	195.09'

CURVE DATA

NO.	R	Δ	T	L
①	1300.00'	04°34'12"	51.87'	103.69'
②	3000.00'	02°08'12"	55.94'	111.87'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

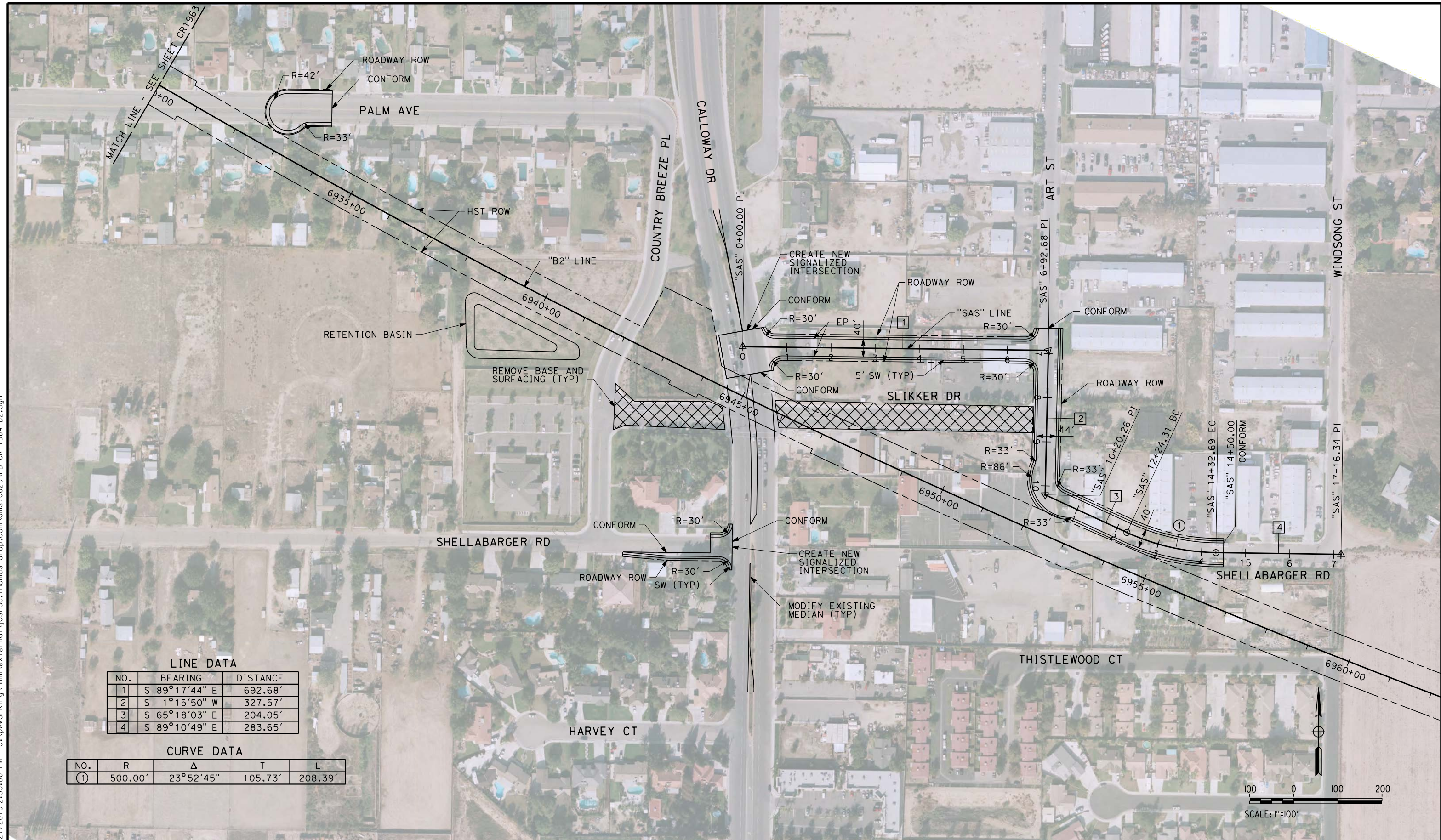
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY LAYOUT
VERDUGO LN

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1963
SCALE
AS SHOWN
SHEET NO.
11 OF 24

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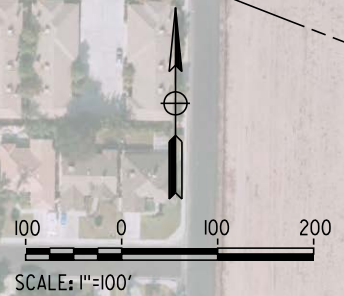


LINE DATA

NO.	BEARING	DISTANCE
1	S 89°17'44" E	692.68'
2	S 1°15'50" W	327.57'
3	S 65°18'03" E	204.05'
4	S 89°10'49" E	283.65'

CURVE DATA

NO.	R	Δ	T	L
(1)	500.00'	23°52'45"	105.73'	208.39'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

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DESIGN SUBMISSION**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY LAYOUT
SLIKKER DR / ART ST/ SHELLABARGER RD

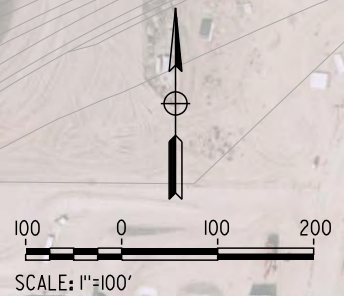
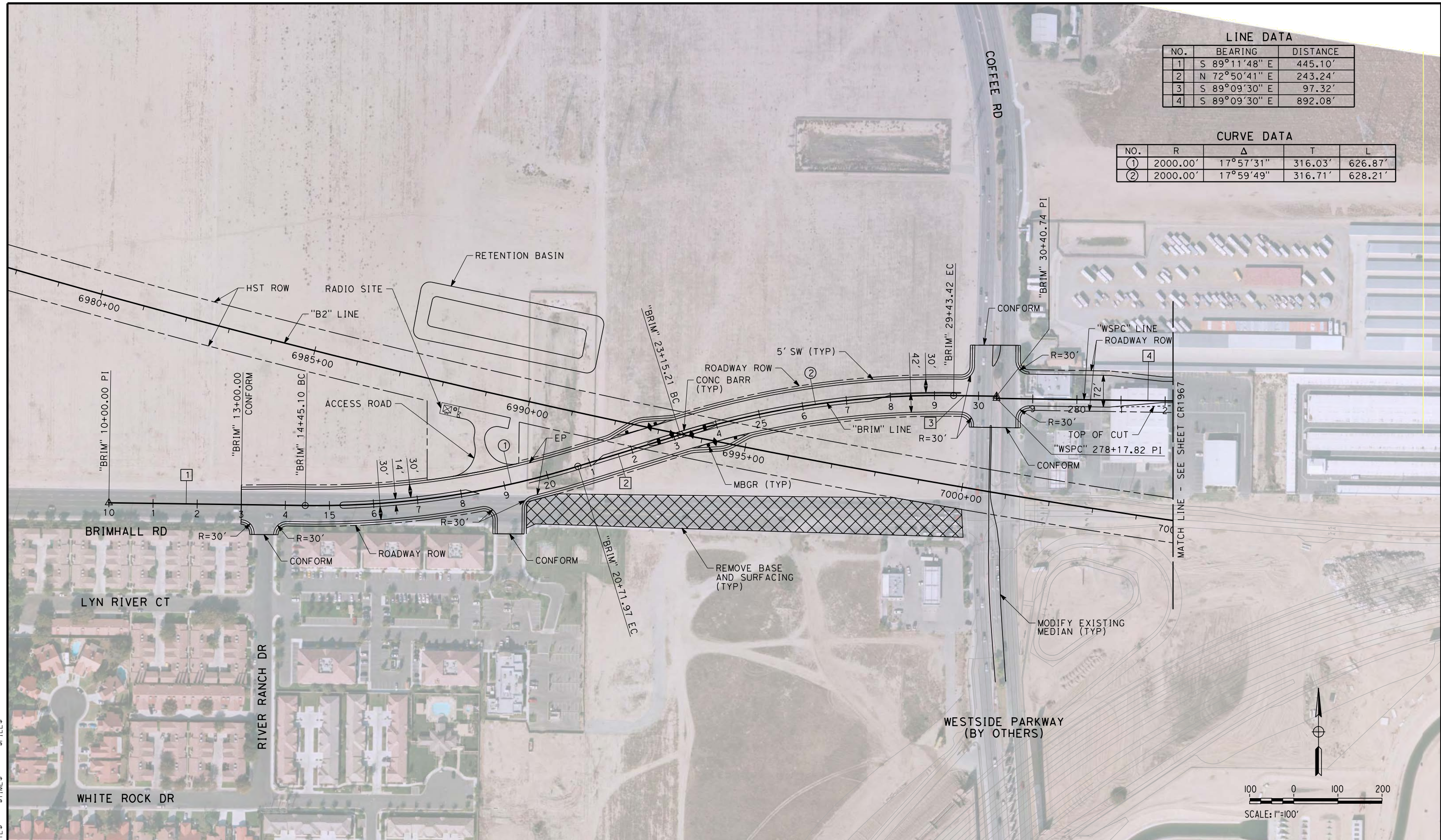
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1964
SCALE
AS SHOWN
SHEET NO.
12 OF 24

LINE DATA

NO.	BEARING	DISTANCE
1	S 89°11'48" E	445.10'
2	N 72°50'41" E	243.24'
3	S 89°09'30" E	97.32'
4	S 89°09'30" E	892.08'

CURVE DATA

NO.	R	Δ	T	L
①	2000.00'	17°57'31"	316.03'	626.87'
②	2000.00'	17°59'49"	316.71'	628.21'



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
S. BROWN
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY LAYOUT
 BRIMHALL RD / WESTSIDE PKY / COFFEE RD OFF RAMP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR1966
 SCALE
AS SHOWN
 SHEET NO.
13 OF 24

LINE DATA

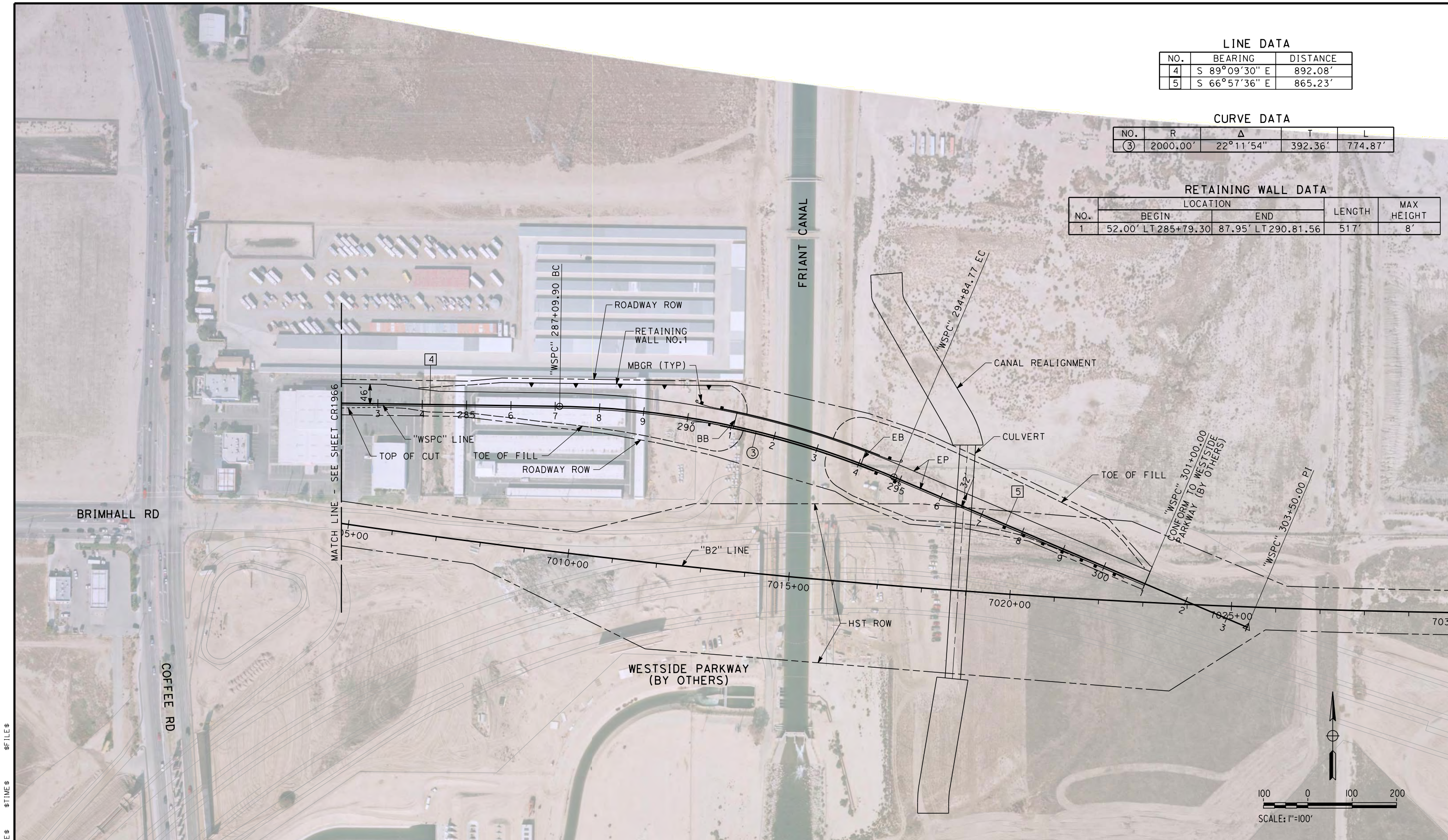
NO.	BEARING	DISTANCE
4	S 89°09'30" E	892.08'
5	S 66°57'36" E	865.23'

CURVE DATA

NO.	R	Δ	T	L
③	2000.00'	22°11'54"	392.36'	774.87'

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	52.00' LT 285+79.30	87.95' LT 290.81.56	517'	8'



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

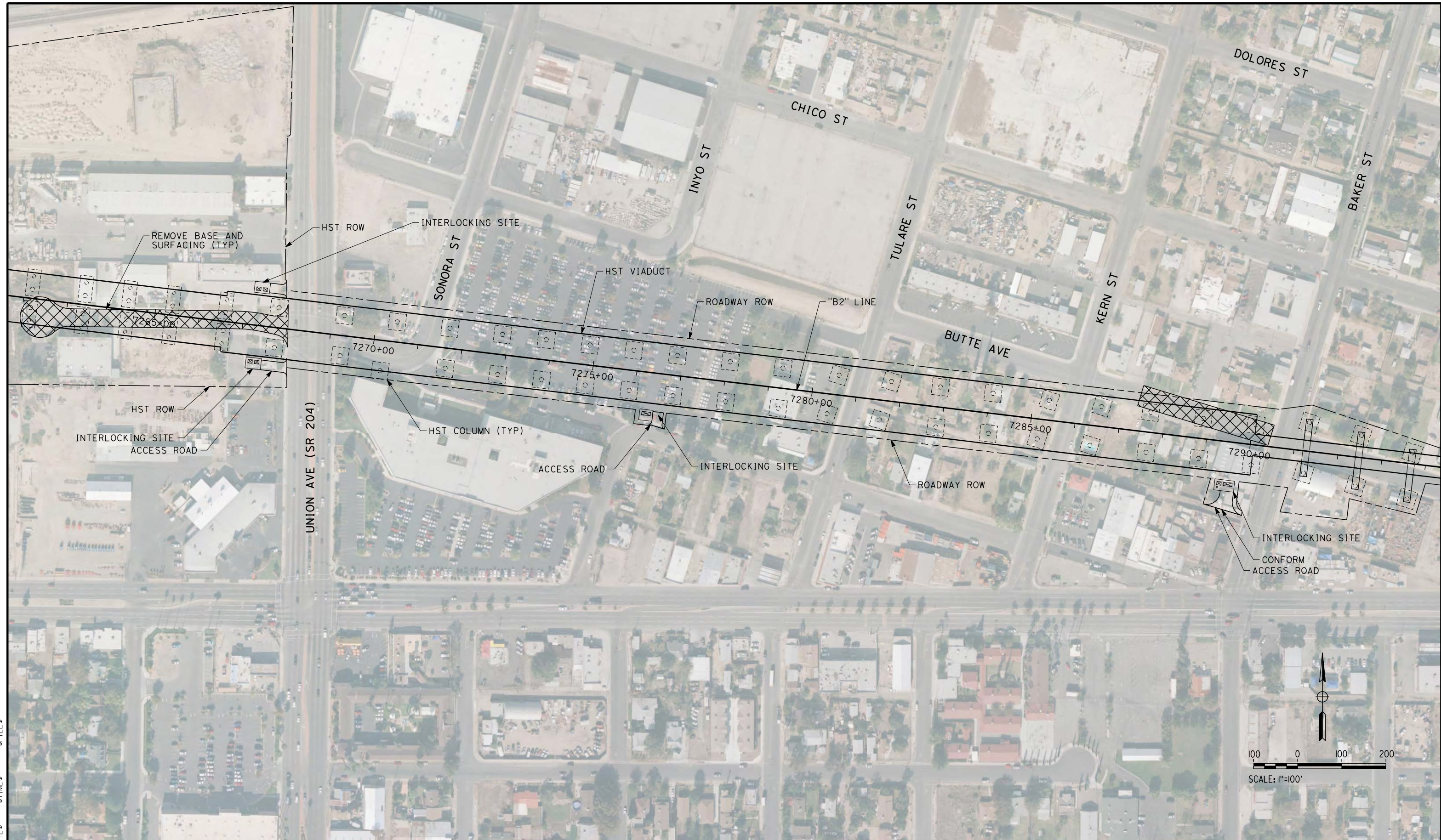
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY LAYOUT
 WESTSIDE PKY/ COFFEE RD OFF RAMP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR1967
 SCALE
AS SHOWN
 SHEET NO.
14 OF 24



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 A. CANNON
 DRAWN BY
 E. SUDHAUSEN
 CHECKED BY
 S. BROWN
 IN CHARGE
 R. COFFIN
 DATE
 12/31/13

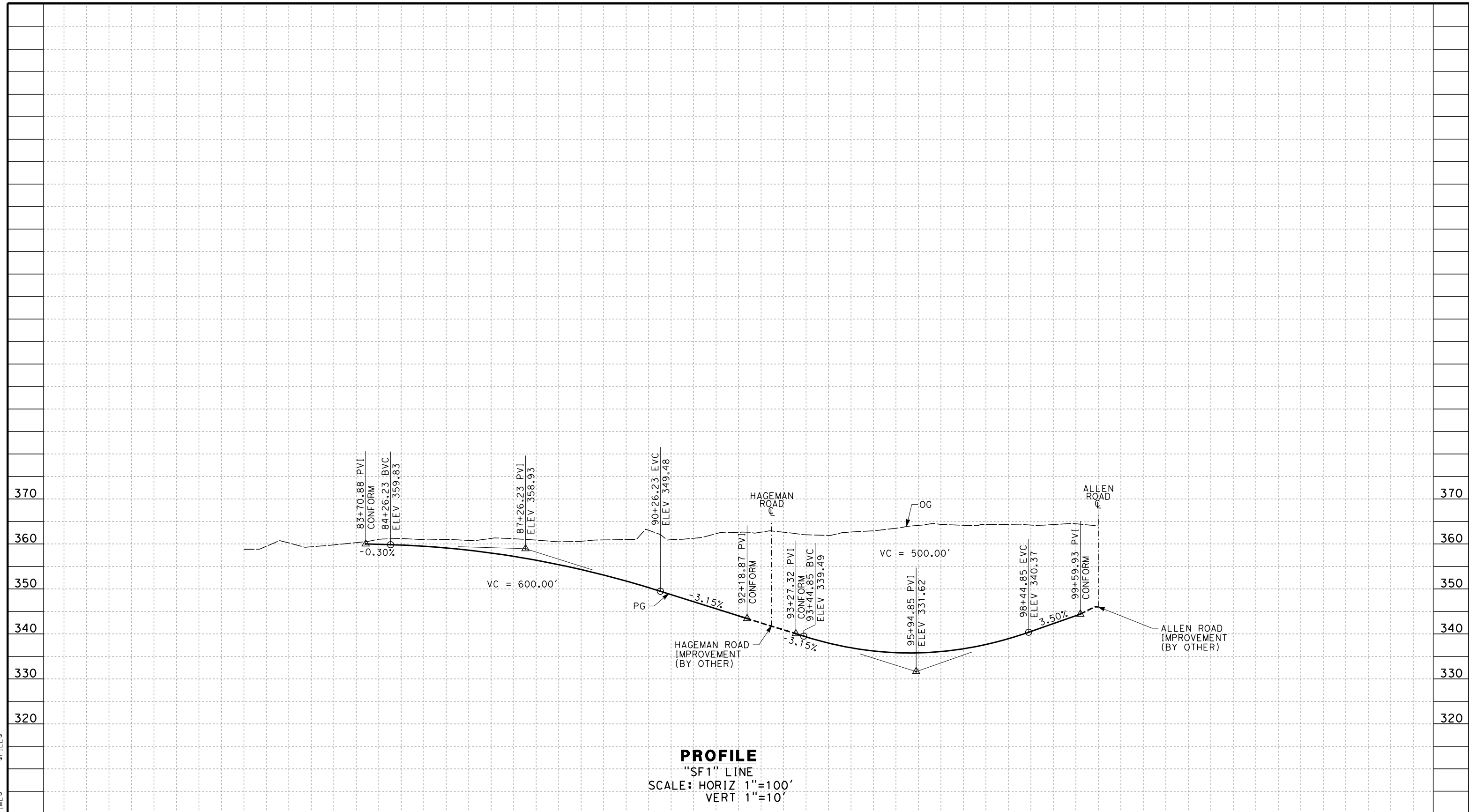
**RECORD SET 15%
 DESIGN SUBMISSION**

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 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY LAYOUT
 EAST BAKERSFIELD DETAIL

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR1968
 SCALE
 AS SHOWN
 SHEET NO.
 15 OF 24



PROFILE
 "SF1" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

STATION	80	1	2	3	4	85	6	7	8	9	90	1	2	3	4	95	6	7	8	9	100	TOTAL	
Exc																							
Emb																							

DESIGNED BY	A. CANNON
DRAWN BY	E. SUDHAUSEN
CHECKED BY	J. MONG
IN CHARGE	R. COFFIN
DATE	12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

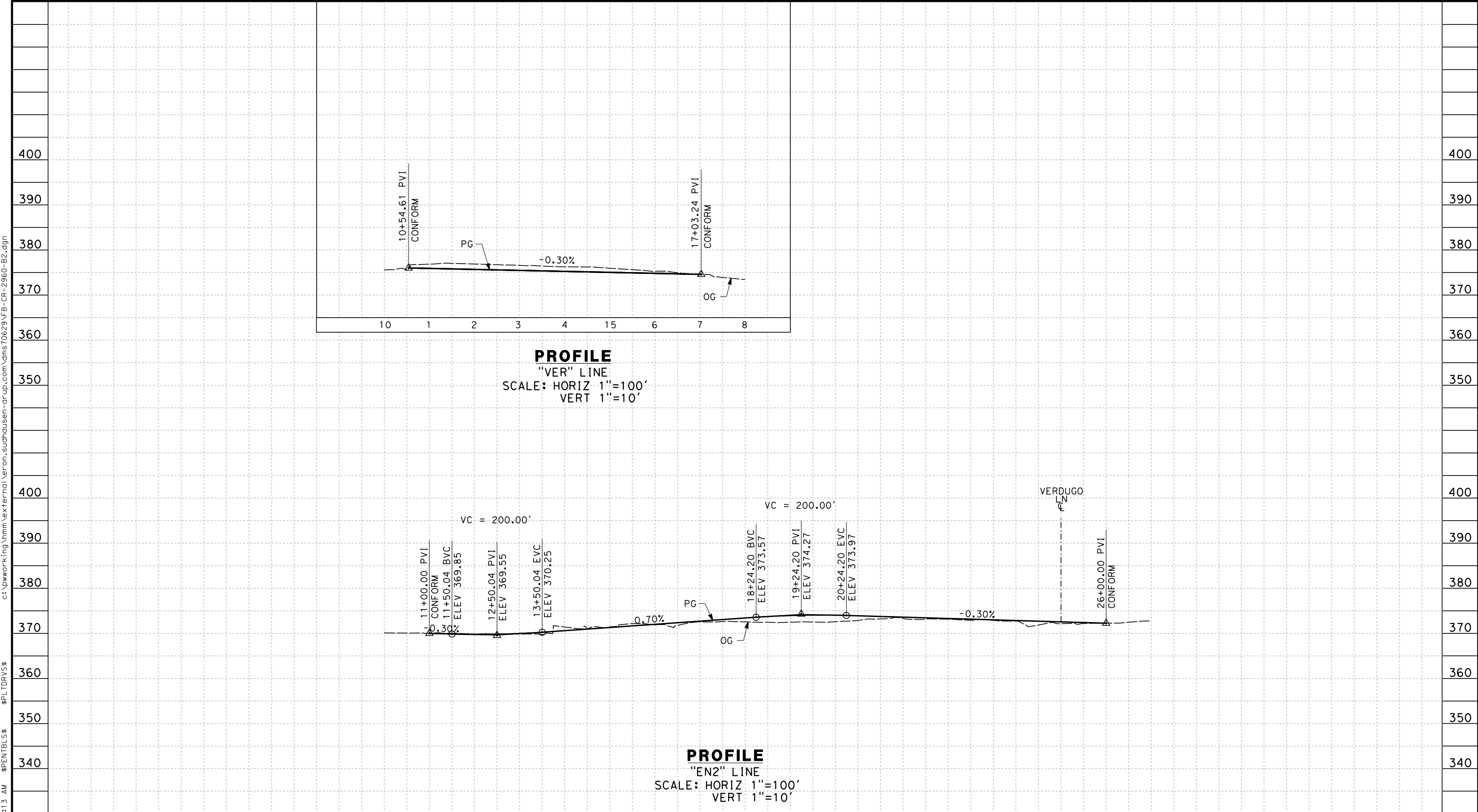


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**

BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY PROFILE
 SANTA FE WAY

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CR2959
SCALE	AS SHOWN
SHEET NO.	16 OF 24

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 \$PLTDRVS\$
 \$PENTBLS\$
 12/30/2013 1:21:13 AM



STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	25	6	7	TOTAL	
Exc																				
Emb																				

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

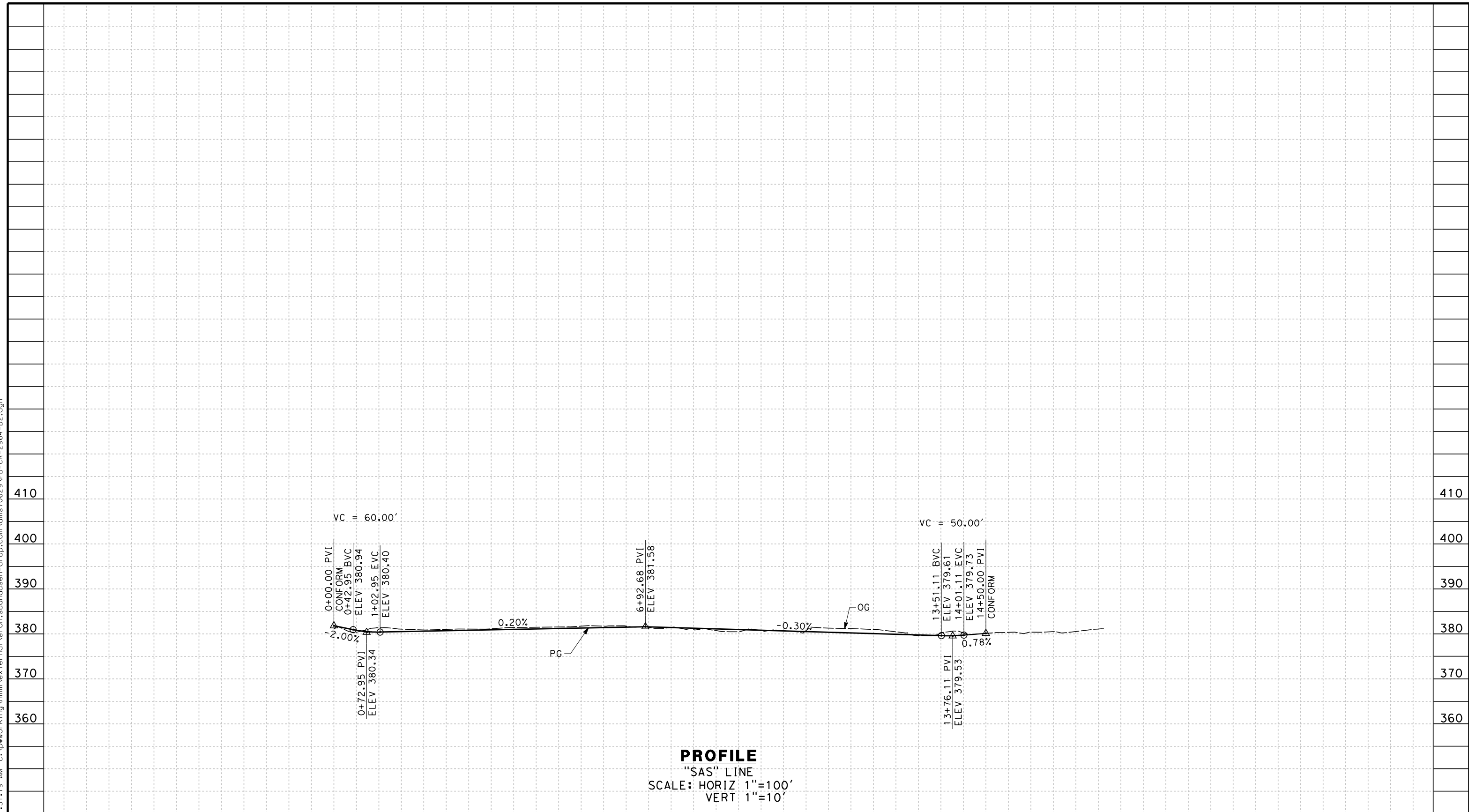
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY PROFILE
 ENGER ST AND VERDUGO LN

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR2960
 SCALE
 AS SHOWN
 SHEET NO.
 17 OF 24

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STATION	0	1	2	3	4	5	6	7	8	9	10	1	2	3	4	15	6	7	TOTAL
Exc																			
Emb																			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

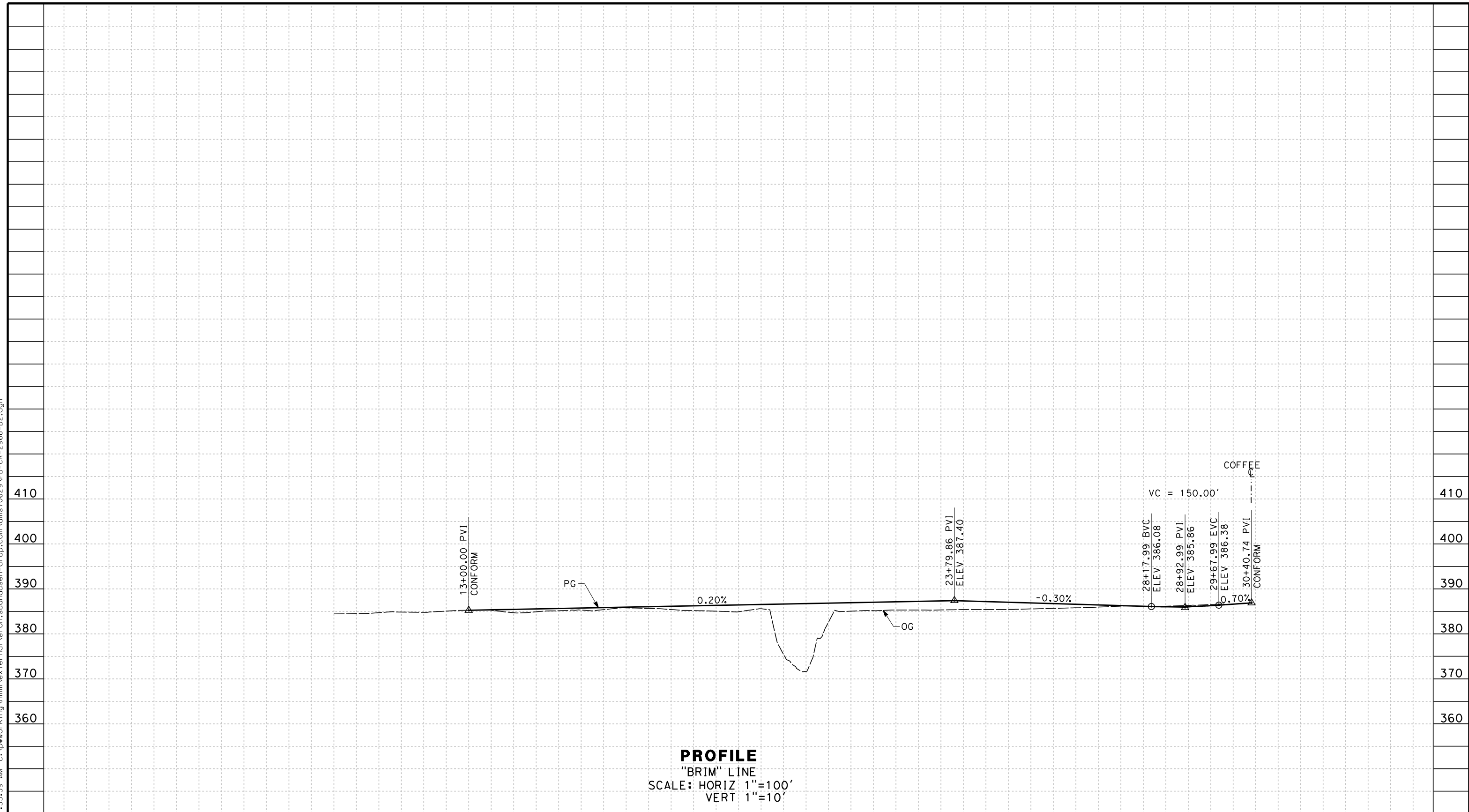
**RECORD SET 15%
 DESIGN SUBMISSION**
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY PROFILE
 SLIKKER DR / ART ST / SHELLABARGER RD

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2964
 SCALE
AS SHOWN
 SHEET NO.
19 OF 24

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STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	25	6	7	8	9	30	1	TOTAL	
Exc																								
Emb																								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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 DESIGN SUBMISSION**
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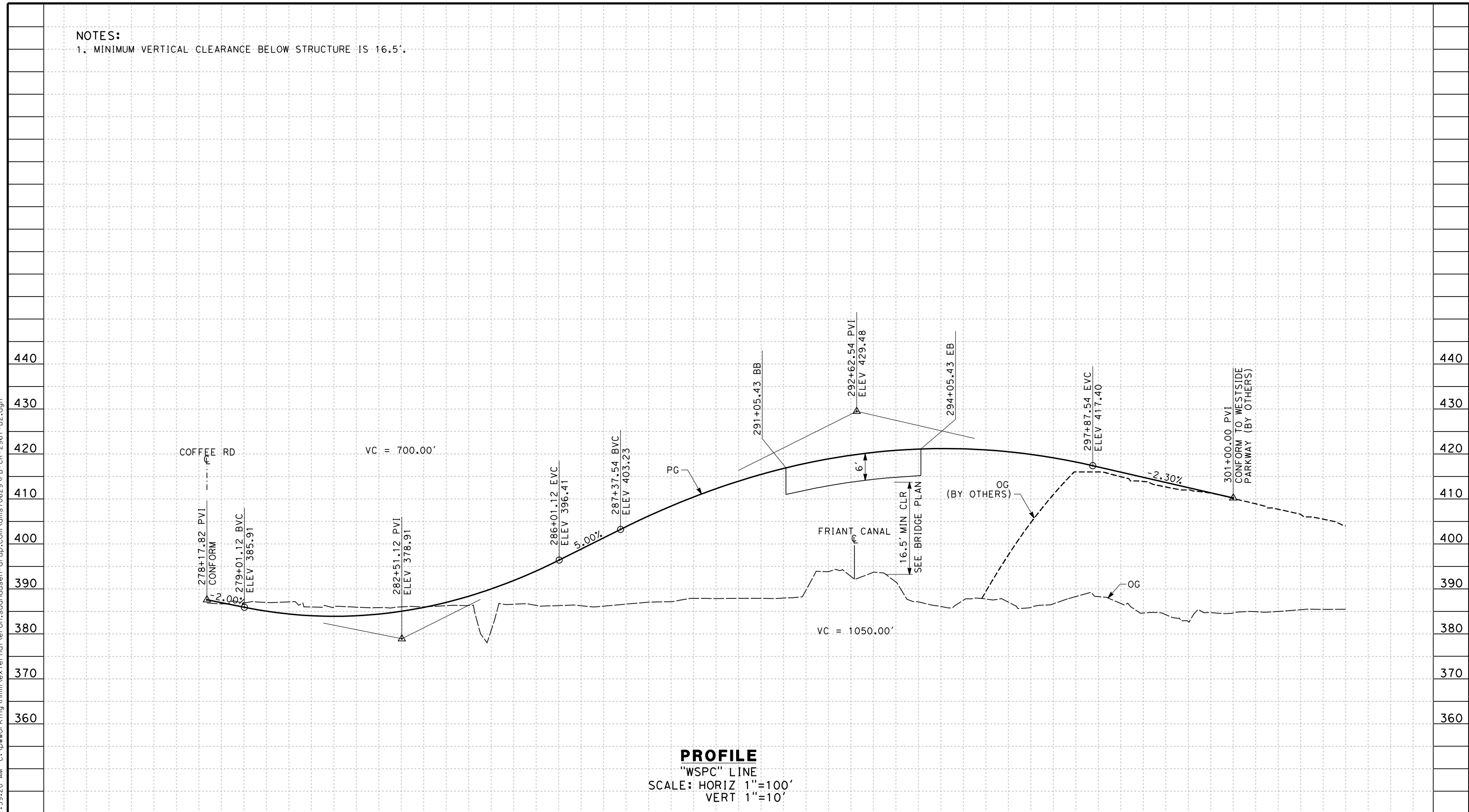


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY PROFILE
 BRIMHALL RD

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2966
 SCALE
AS SHOWN
 SHEET NO.
20 OF 24

NOTES:

1. MINIMUM VERTICAL CLEARANCE BELOW STRUCTURE IS 16.5'.



PROFILE
 "WSPC" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

STATION	8	9	280	1	2	3	4	285	6	7	8	9	290	1	2	3	4	295	6	7	8	9	300	1	2	3	4	TOTAL
Exc																												
Emb																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY PROFILE
 WESTSIDE PKWY / COFFEE RD OFF RAMP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2967
 SCALE
AS SHOWN
 SHEET NO.
21 OF 24

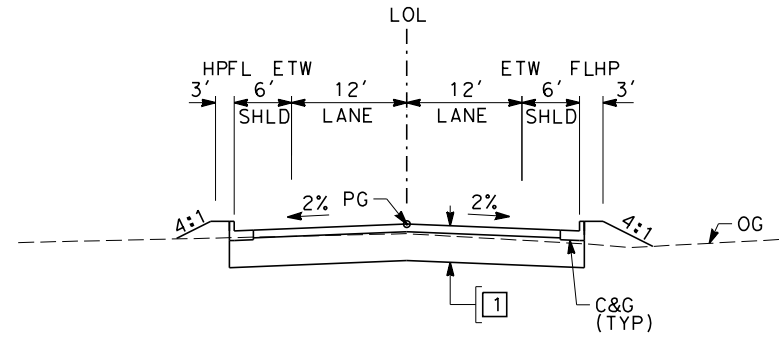
eron_sudhausen 12/30/2013 11:39:20 AM c:\pwworking\hmm\external\eron_sudhausen-arup.com\dms70629\FB-CR-2967-B2.dgn

NOTES:

1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXACT DIMENSION AND MATERIAL OF THE PAVEMENT SECTION TO BE CONFIRMED.
3. PEDESTRIAN FACILITIES WILL BE DESIGNED TO COMPLY WITH ADA REQUIREMENTS.

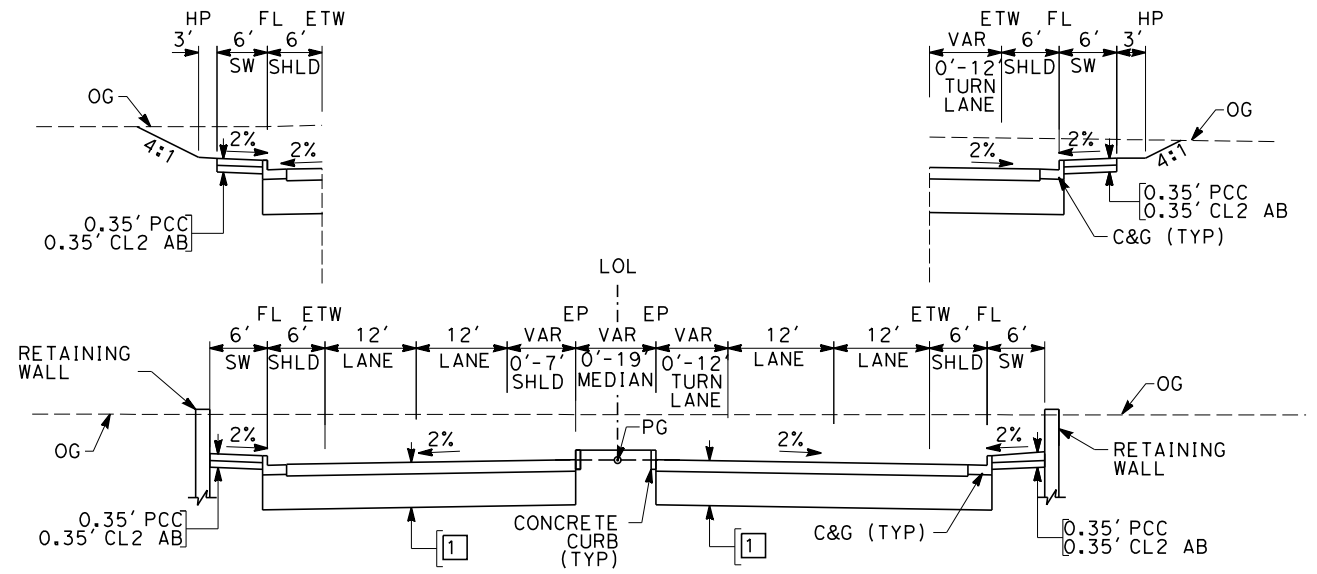
STRUCTURAL SECTIONS
TYPICAL ROADWAY

- 1 0.50' HMA (TYPE A)
- 1 1.00' CL2 AB



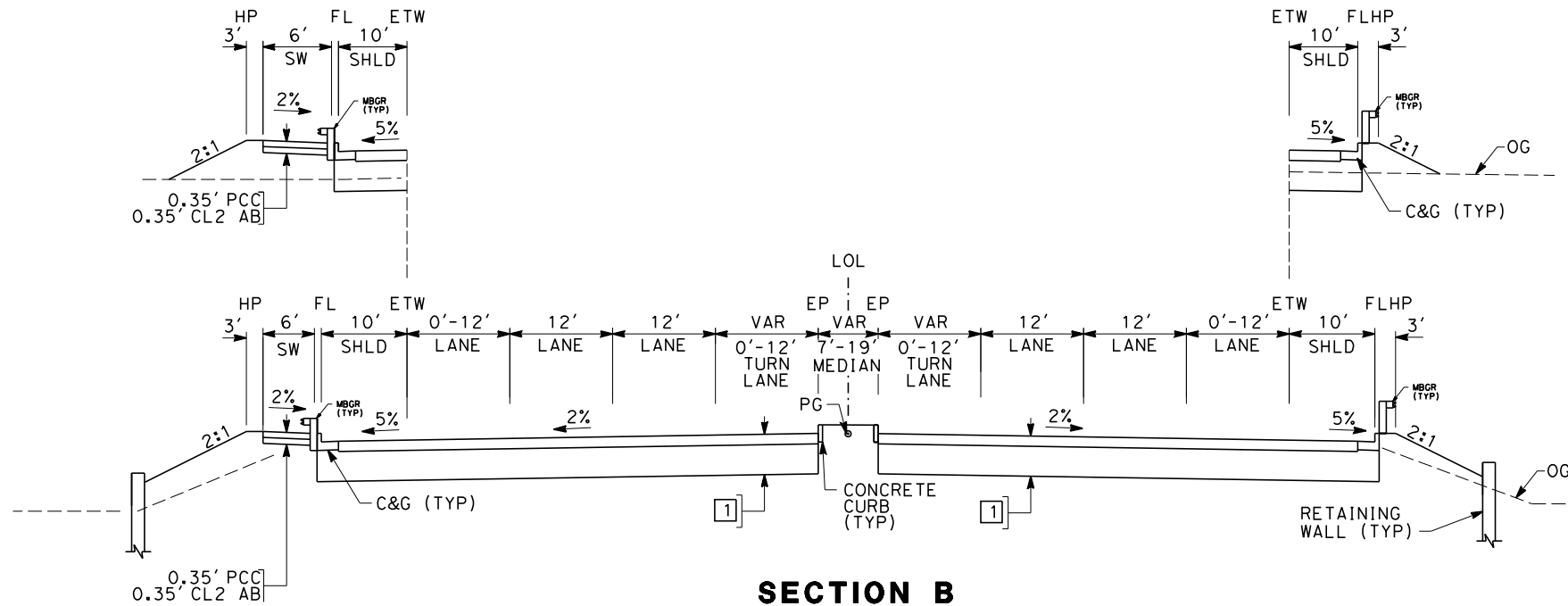
SECTION A

"EN2" 11+00.00 TO 26+00.00



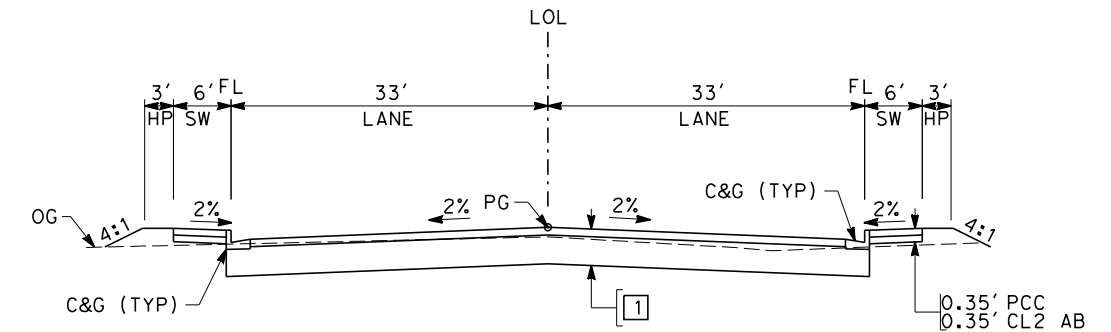
SECTION C

"SF1" 83+70.88 TO 92+18.87
"SF1" 93+27.32 TO 99+59.93



SECTION B

"ROS" 98+00.00 TO 114+15+78
"ROS" 119+75.78 TO 133+00.00



SECTION D

"VER" 10+54.61 TO 17+03.24

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

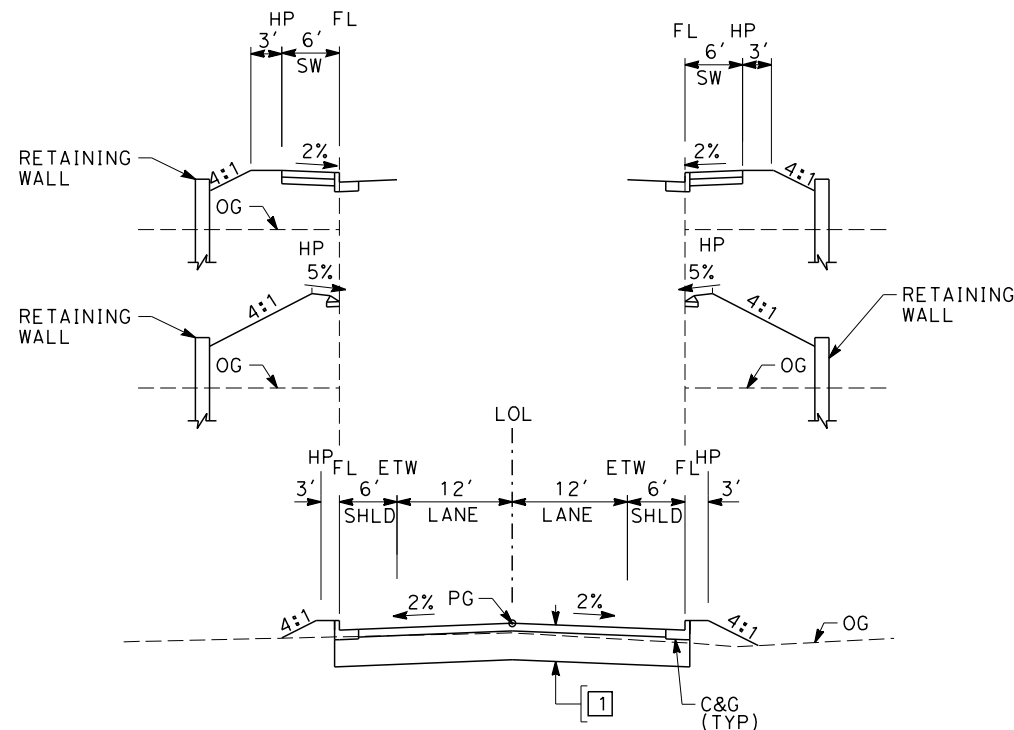
**NOT FOR
CONSTRUCTION**



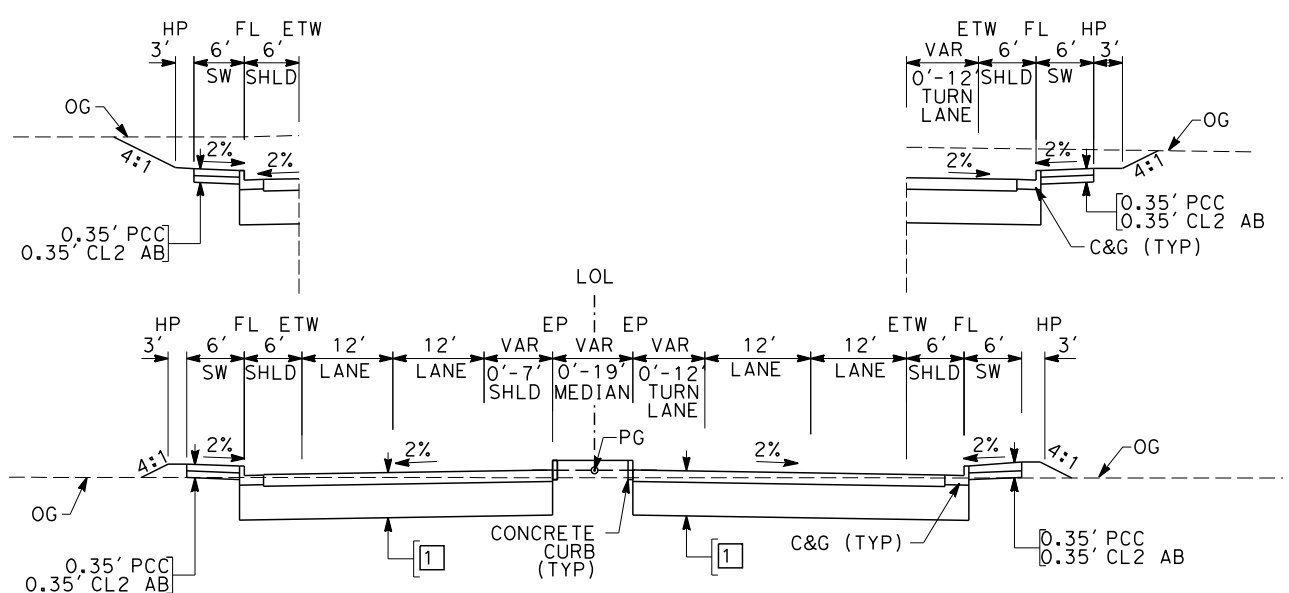
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CT3160
SCALE NO SCALE
SHEET NO. 22 OF 24

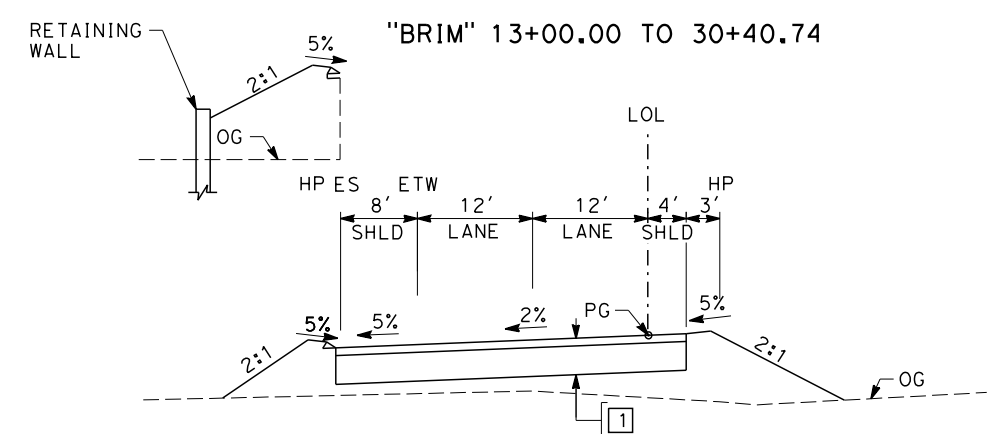
\$FILE \$
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 \$PENTBLS \$
 \$DATE \$
 \$TIME \$
 \$USER \$



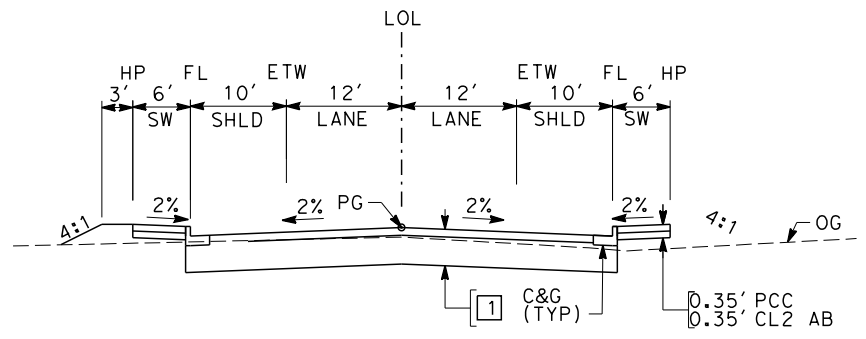
SECTION E
 "LOK" 12+25.00 TO 22+48.49
 "JEW" 9+00.0 TO 15+73.20



SECTION F
 "BRIM" 13+00.00 TO 30+40.74



SECTION G
 "WSPC" 217+17.82 TO 291+05.43
 "WSPC" 294+05.03 TO 301+00.00



SECTION H
 "SAS" 0+00.00 TO 14+50.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 A. CANNON
 DRAWN BY
 E. SUDHAUSEN
 CHECKED BY
 J. MONG
 IN CHARGE
 R. COFFIN
 DATE
 12/31/13

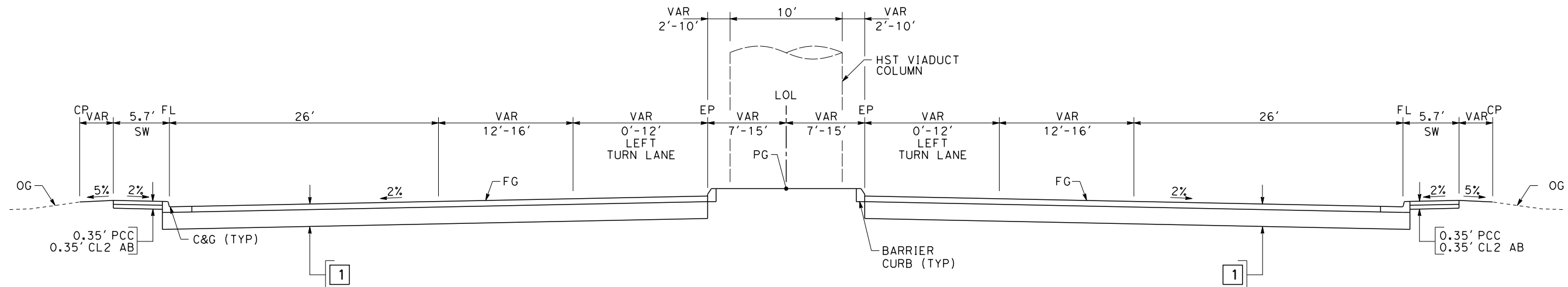
**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 ROADWAY / GRADE SEPARATION
 TYPICAL CROSS SECTIONS

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CT3165
 SCALE
 AS SHOWN
 SHEET NO.
 23 OF 24



SECTION I
"B2" 7342+11.22 TO 7371+36.18

TABLE OF DESIGN SPEEDS

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED	CRITERIA/JURISDICTION
ROSEDALE HWY	ROS	55	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
LONE OAK DR	LOK	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
JEWETTA AVE	JEW	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SANTA FE WAY	SF1	40	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
ENGER ST	EN1	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
VERDUGO LN	VER	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SLIKKER DR	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
ART ST	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SHELLEBARGER AVE	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
BRIMHALL RD	BRIM	55	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
WESTSIDE PARKWAY - COFFEE RD OFF-RAMP	WSPC	50	HDM/CALTRANS
CALIFORNIA AVE	B2	45	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
S. BROWN
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

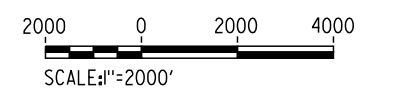
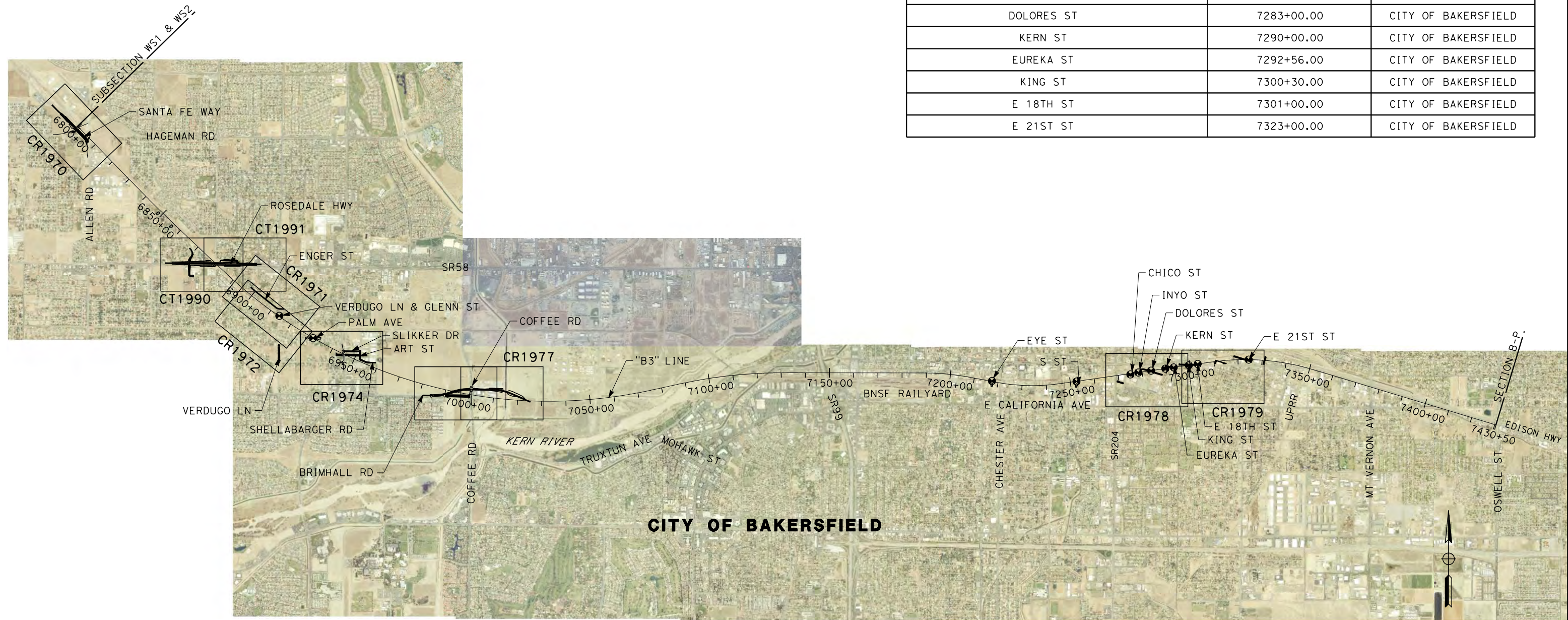


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
ROADWAY/GRADE SEPARATION
TYPICAL CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CT3180
SCALE
NO SCALE
SHEET NO.
24 OF 24

STREET CLOSURE

STREET NAME	HST ALIGNMENT STA	LOCAL STANDARD
VERDUGO LN & GLENN ST	6914+50.00	CITY OF BAKERSFIELD
PALM AVE	6931+00.00	CITY OF BAKERSFIELD
EYE ST	7217+40.00	CITY OF BAKERSFIELD
S ST	7252+00.00	CITY OF BAKERSFIELD
CHICO ST	7274+00.00	CITY OF BAKERSFIELD
INYO ST	7279+09.00	CITY OF BAKERSFIELD
DOLORES ST	7283+00.00	CITY OF BAKERSFIELD
KERN ST	7290+00.00	CITY OF BAKERSFIELD
EUREKA ST	7292+56.00	CITY OF BAKERSFIELD
KING ST	7300+30.00	CITY OF BAKERSFIELD
E 18TH ST	7301+00.00	CITY OF BAKERSFIELD
E 21ST ST	7323+00.00	CITY OF BAKERSFIELD



\$FILE \$ \$PLTDRVS \$ \$PENTBLS \$ \$TIME \$ \$DATE \$ \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY / GRADE SEPARATION
 KEY MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0240
 SCALE
AS SHOWN
 SHEET NO.
1 OF 21

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RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	90.21' LT "ROS" 105+37.39	123.81' LT "ROS" 113+80.85	859'	20'
2	81.54' RT "ROS" 105+36.74	74.87' RT "ROS" 115+94.50	1081'	20'
3	24.00' LT "JEW" 9+00.00	48.57' LT "ROS" 128+98.08	1022'	22'
4	94.51' RT "ROS" 119+95.97	78.30' RT "ROS" 126+06.36	611'	20'
5	55.84' RT "LOK" 102+91.55	28.00' RT "LOK" 18+99.34	327'	14'
6	130.93' LT "ROS" 118+14.37	93.47' LT "ROS" 117+82.42	322'	5'

LINE DATA

NO.	BEARING	DISTANCE
1	S 89°09'39" E	4000.00'
2	S 43°56'30" E	72.43'
3	S 34°36'55" W	56.89'
4	S 0°40'16" W	536.12'
5	S 89°19'44" E	151.51'
6	S 88°38'38" E	600.00'

CURVE DATA

NO.	R	Δ	T	L
①	250.00'	78°33'25"	204.47'	342.77'
②	273.00'	33°56'39"	83.32'	161.74'
③	50.00'	90°00'00"	50.00'	78.54'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
GRADE SEPARATION LAYOUT
ROSEDALE HWY

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CT1990
SCALE
AS SHOWN
SHEET NO.
2 OF 21

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RETAINING WALL DATA

NO.	BEGIN	LOCATION	END	LENGTH	MAX HEIGHT
3	24.00' LT "JEW" 9+00.00		48.57' LT "JEW" 128+98.08	1022'	22'
4	94.51' RT "ROS" 119+95.97		78.30' RT "ROS" 126+06.36	611'	20'

LINE DATA

NO.	BEARING	DISTANCE
1	S 89° 09' 39" E	4000.00'
6	S 88° 38' 38" E	600.00'
7	S 0° 53' 12" W	87.26'

CURVE DATA

NO.	R	Δ	T	L
(3)	55.00'	89° 31' 50"	54.55'	85.94'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON

DRAWN BY
E. SUDHAUSEN

CHECKED BY
J. MONG

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 GRADE SEPARATION LAYOUT
 ROSEDALE HWY

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CT1991

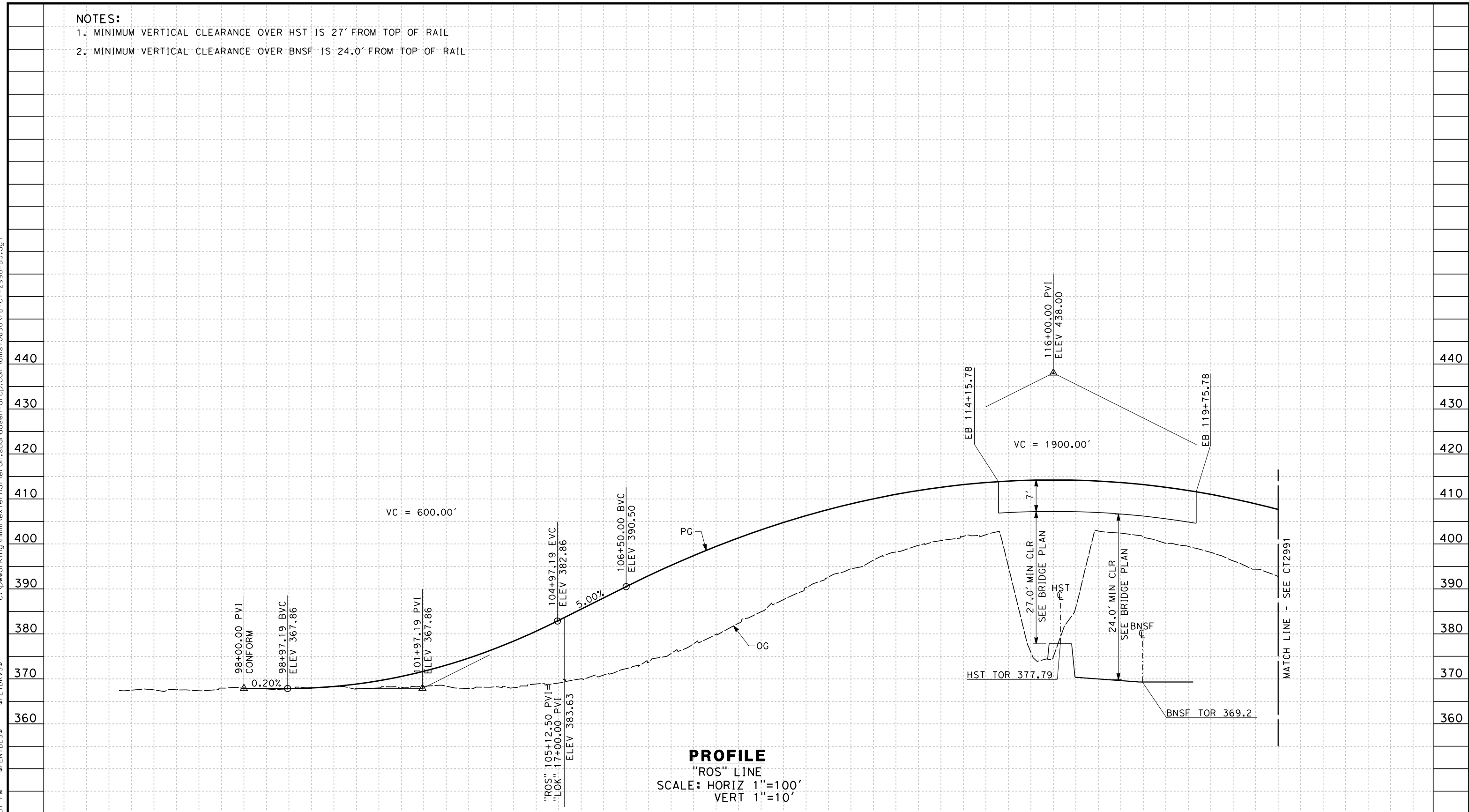
SCALE
AS SHOWN

SHEET NO.
3 OF 21

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER HST IS 27' FROM TOP OF RAIL
2. MINIMUM VERTICAL CLEARANCE OVER BNSF IS 24.0' FROM TOP OF RAIL

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 eron.sudhausen



PROFILE
 "ROS" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

STATION	95	6	7	8	9	100	1	2	3	4	105	6	7	8	9	110	1	2	3	4	115	6	7	8	9	120	1	TOTAL
Exc																												
Emb																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 A. CANNON
 DRAWN BY
 E. SUDHAUSEN
 CHECKED BY
 J. MONG
 IN CHARGE
 R. COFFIN
 DATE
 12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

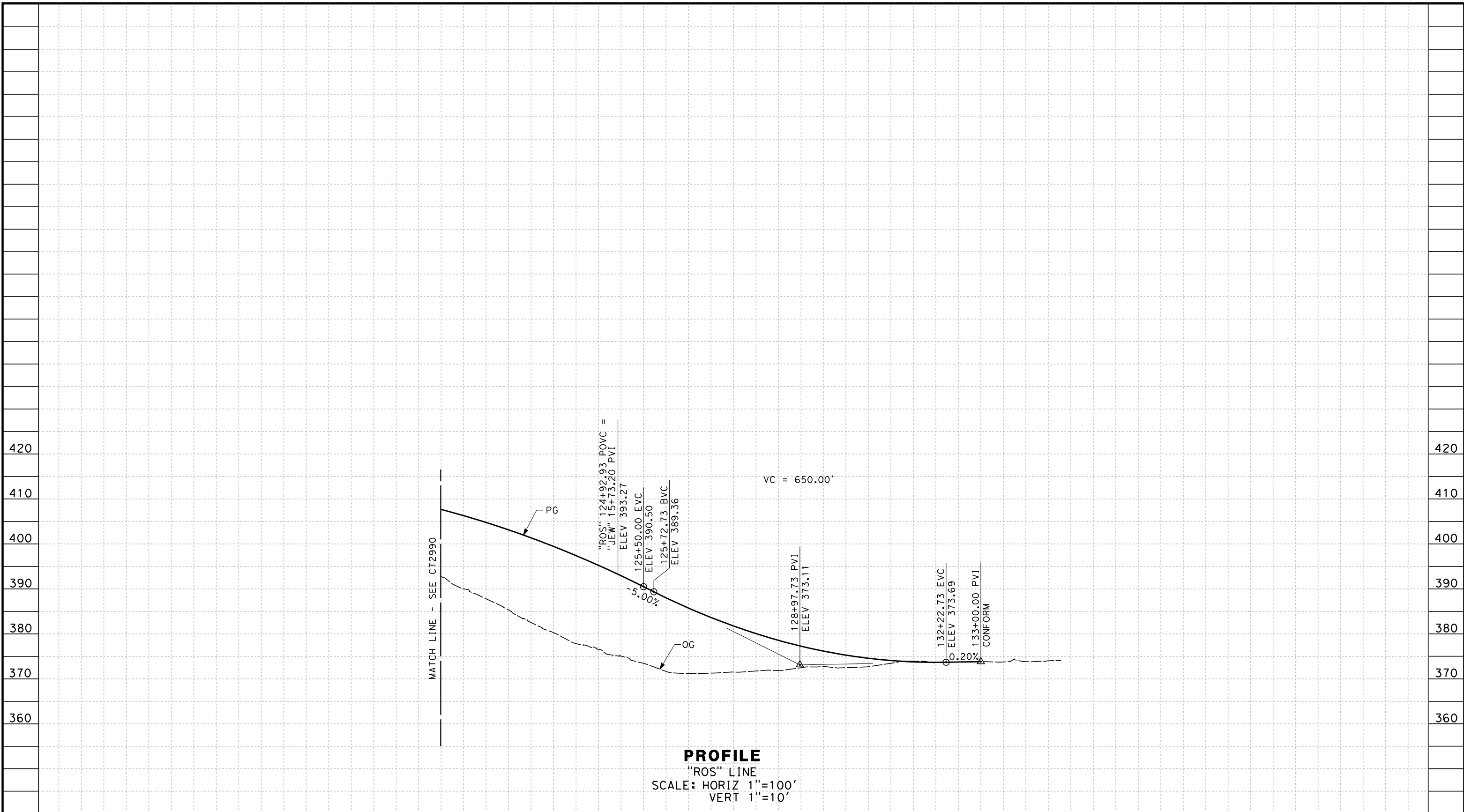
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 GRADE SEP PROFILE & SUPERELEVATION DIAGRAM
 ROSEDALE HWY

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CT2990
 SCALE
 AS SHOWN
 SHEET NO.
 4 OF 21

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STATION	1	2	3	4	125	6	7	8	9	130	1	2	3	4	135	TOTAL
Exc																
Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

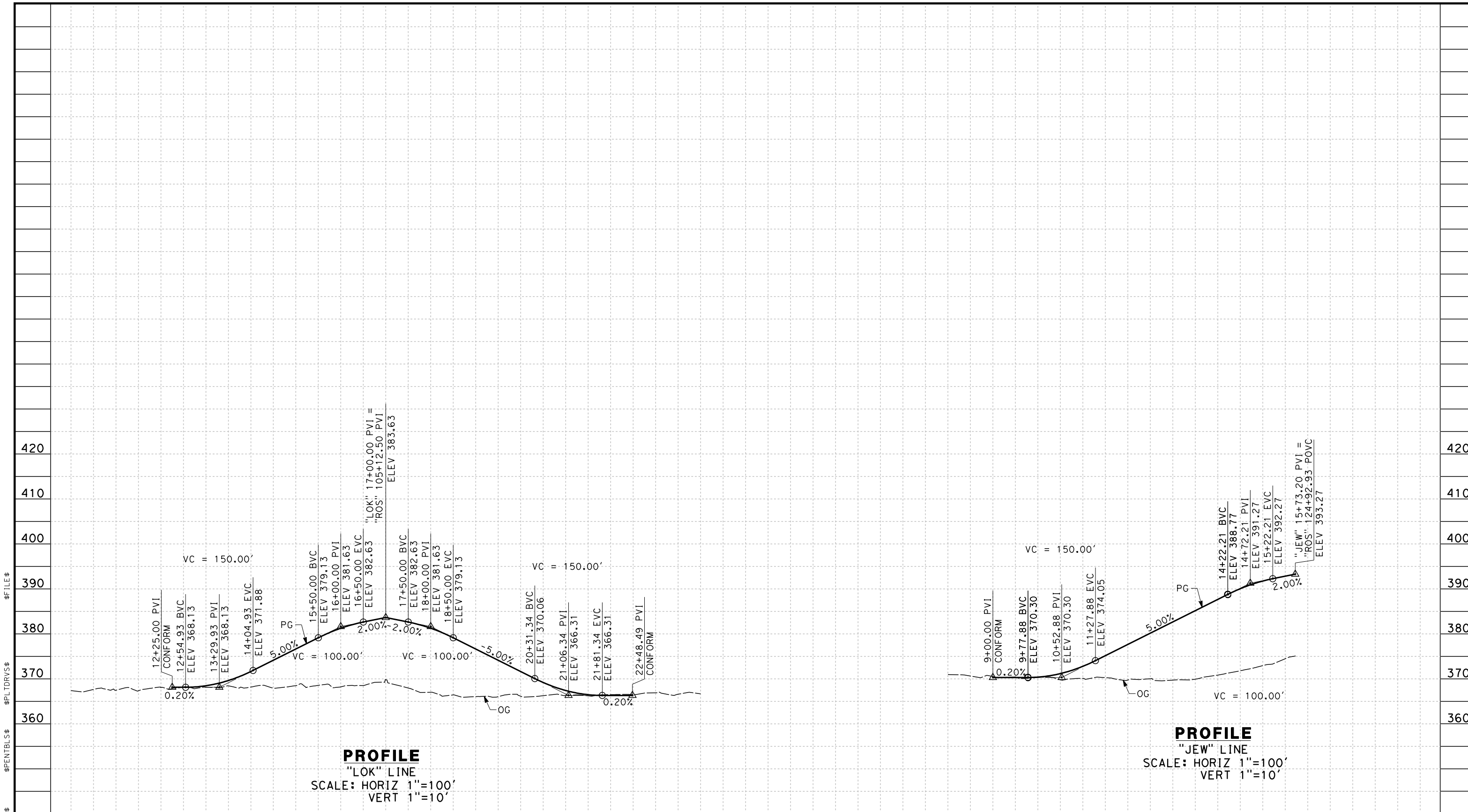
**RECORD SET 15%
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 GRADE SEP PROFILE & SUPERELEVATION DIAGRAM
 ROSEDALE HWY

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CT2991
 SCALE
AS SHOWN
 SHEET NO.
5 OF 21



PROFILE
 "LOK" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

PROFILE
 "JEW" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	8	9	10	1	2	3	4	15	6	7	TOTAL	
Exc																											
Emb																											

DESIGNED BY	A. CANNON
DRAWN BY	E. SUDHAUSEN
CHECKED BY	J. MONG
IN CHARGE	R. COFFIN
DATE	12/31/13

**RECORD SET 15%
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 GRADE SEPARATION PROFILE
 LONE OAK ROAD AND JEWETTA RD

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CT2992
SCALE	AS SHOWN
SHEET NO.	6 OF 21

LINE DATA

NO.	BEARING	DISTANCE
1	S 44°15'47" E	302.07'
2	S 44°16'21" E	1417.60'

CURVE DATA

NO.	R	Δ	T	L	V
①	2000.00'	06°04'09"	106.03'	211.85'	50 MPH
②	2000.00'	06°03'34"	105.86'	211.52'	50 MPH

ROSEDALE LN

"B3" 6799+52.58 PI=
"WS1" 6511+99.19 PI
"WS2" 6468+32.91 PI

HAGEMAN ROAD/BNSF RAILROAD
GRADE SEPARATION IMPROVEMENT
(BY OTHER)

BNSF

HST ROW

"SF1" 85+82.40 EC

"WS1" & "S2" LINE

"SF1" 83+70.88 PRC6460+00
CONFORM

RETAINING
WALL NO. 1

"B3" LINE

CONFORM

RETAINING
WALL NO. 2

R=5'

6455+00

6805+00

6810+00

6815+00

SANTA FE WAY

"SF1" LINE

SANTA FE WAY

"SF1" 100+00.00 PI

REMOVE
CONCRETE
MEDIAN

"SF1" 78+56.96 PI

"SF1" 81+59.03 BC

ROADWAY ROW

TOE OF CUT

"SF1" 92+18.87
CONFORM

R=60'

R=304'

RETAINING
WALL NO. 3

"SF1" 93+27.32
CONFORM

"SF1" 99+59.93
CONFORM

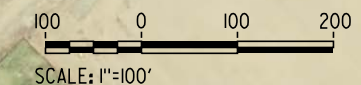
R=270'

ALLEN ROAD

HAGEMAN ROAD

RETAINING WALL DATA

NO.	BEGIN	END	LENGTH	MAX HEIGHT
1	43.00' LT 84+79.52	43.00' LT 91+97.52	718'	20'
2	43.00' LT 93+84.82	43.00' LT 99+34.02	549'	25'
3	81.69' RT 93+27.26	137.10' RT 100+00.00	714'	40'



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
ROADWAY LAYOUT
SANTA FE WAY

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1970
SCALE
AS SHOWN
SHEET NO.
7 OF 21

LINE DATA

NO.	BEARING	DISTANCE
1	S 44°14'58" E	125.00'
2	S 51°38'21" E	1081.86'
3	S 89°22'17" E	166.60'

CURVE DATA

NO.	R	Δ	T	L
①	1000.00'	07°23'23"	64.58'	128.98'
②	300.00'	37°43'56"	102.52'	197.57'



\$FILE \$
 \$PLTDRVS \$
 \$PENTBLS \$
 \$TIME \$
 \$DATE \$
 \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY LAYOUT
 ENGER ST

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR1971
 SCALE
 AS SHOWN
 SHEET NO.
 8 OF 21



MATCH LINE SEE SHEET CR19174

LINE DATA

NO.	BEARING	DISTANCE
1	S 01°18'02" E	389.47'
2	S 00°50'09" W	195.09'

CURVE DATA

NO.	R	Δ	T	L
①	1300.00'	04°34'12"	51.87'	103.69'
②	3000.00'	02°08'12"	55.94'	111.87'

\$USER \$ DATE \$ TIME \$ \$ENTBL \$ \$PLTDRV \$ \$FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

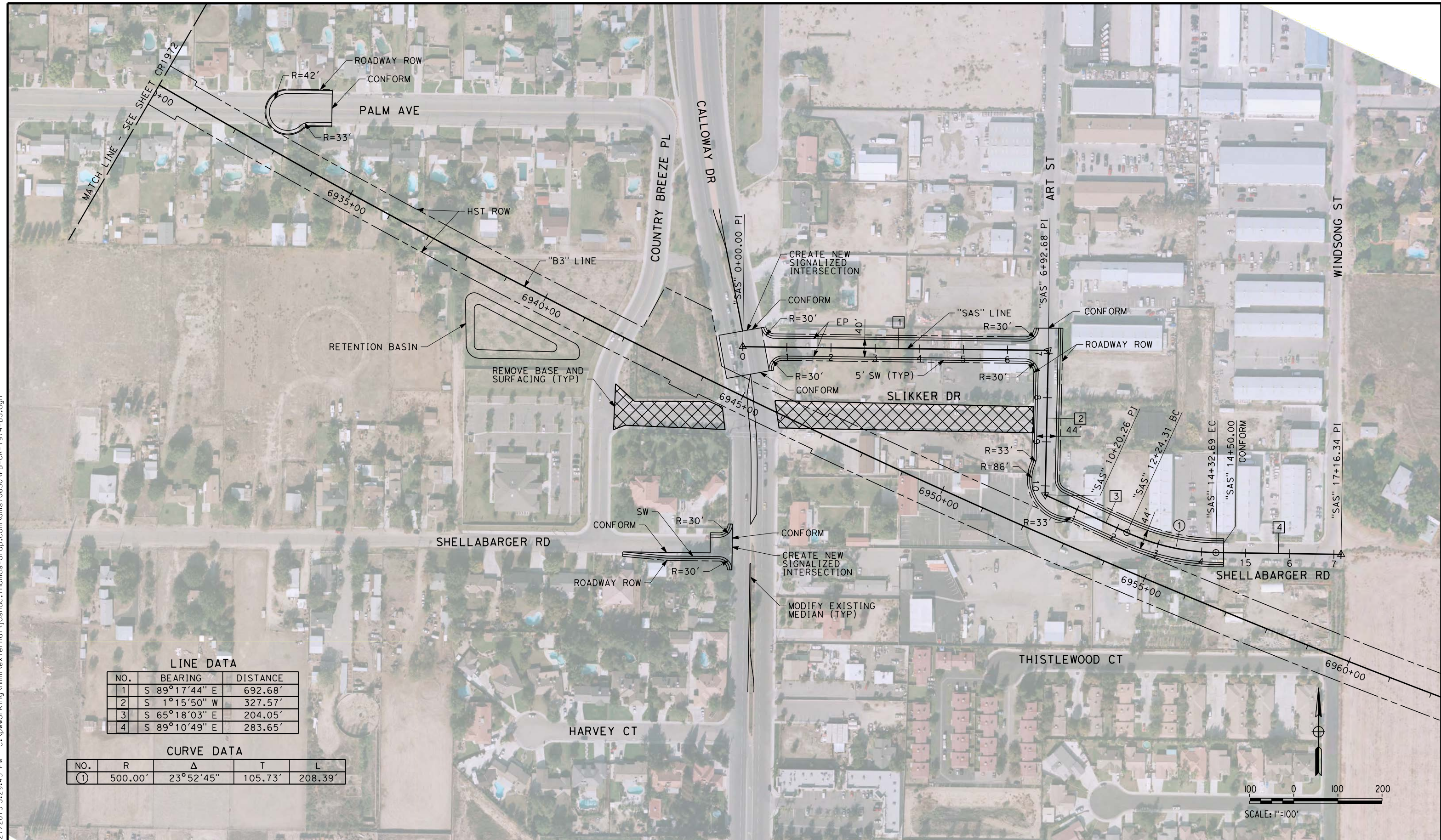
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
ROADWAY LAYOUT
VERDUGO LN

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1972
SCALE
AS SHOWN
SHEET NO.
9 OF 21

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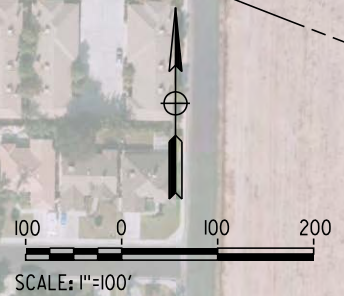


LINE DATA

NO.	BEARING	DISTANCE
1	S 89°17'44" E	692.68'
2	S 1°15'50" W	327.57'
3	S 65°18'03" E	204.05'
4	S 89°10'49" E	283.65'

CURVE DATA

NO.	R	Δ	T	L
(1)	500.00'	23°52'45"	105.73'	208.39'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

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DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
ROADWAY LAYOUT
SLIKKER DR / ART ST/ SHELLABARGER RD

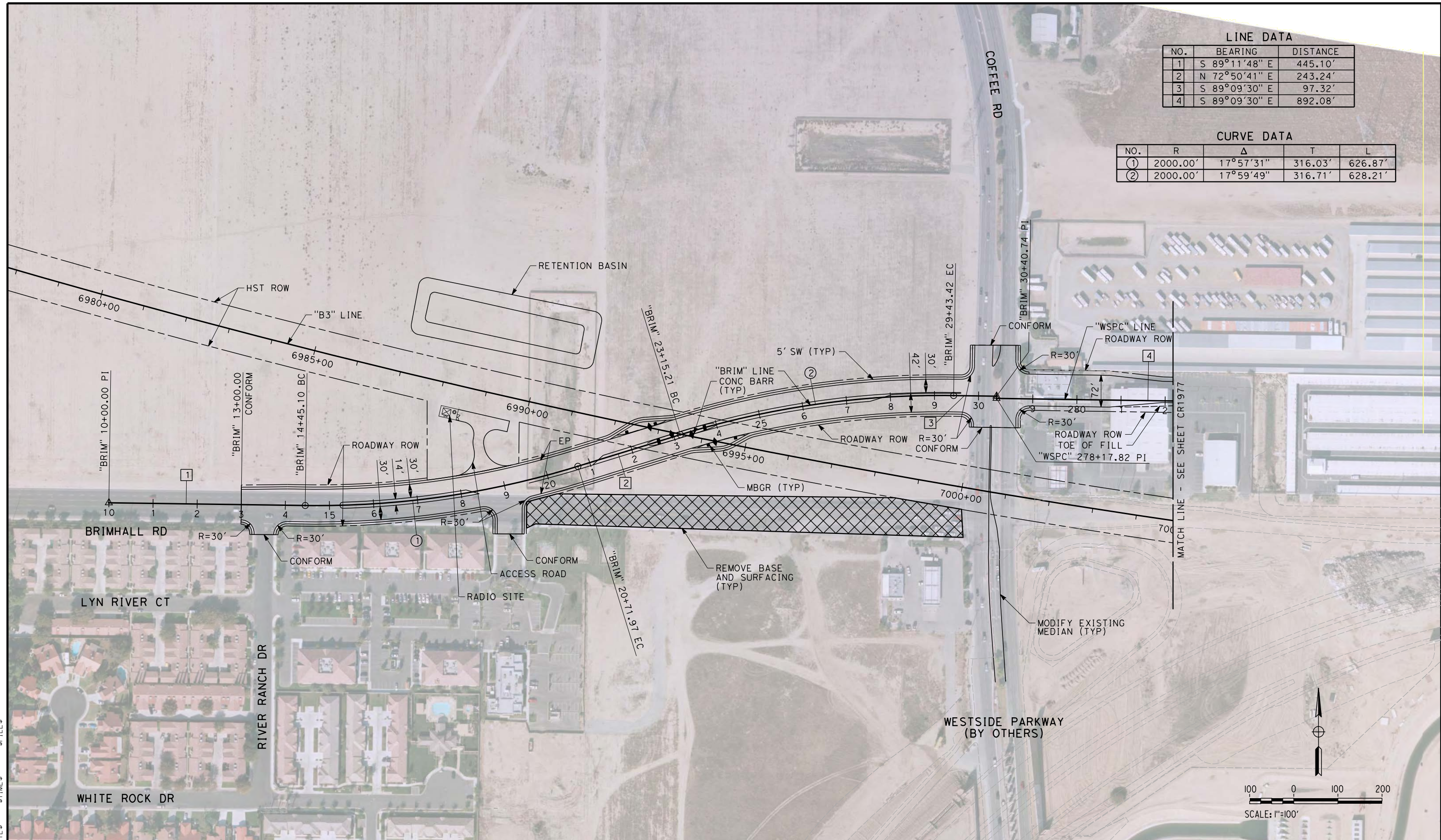
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CR1974
SCALE
AS SHOWN
SHEET NO.
10 OF 21

LINE DATA

NO.	BEARING	DISTANCE
1	S 89°11'48" E	445.10'
2	N 72°50'41" E	243.24'
3	S 89°09'30" E	97.32'
4	S 89°09'30" E	892.08'

CURVE DATA

NO.	R	Δ	T	L
①	2000.00'	17°57'31"	316.03'	626.87'
②	2000.00'	17°59'49"	316.71'	628.21'



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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 DESIGN SUBMISSION**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY LAYOUT
 BRIMHALL RD / WESTSIDE PKY / COFFEE RD OFF RAMP

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR1976
 SCALE
 AS SHOWN
 SHEET NO.
 11 OF 21

LINE DATA

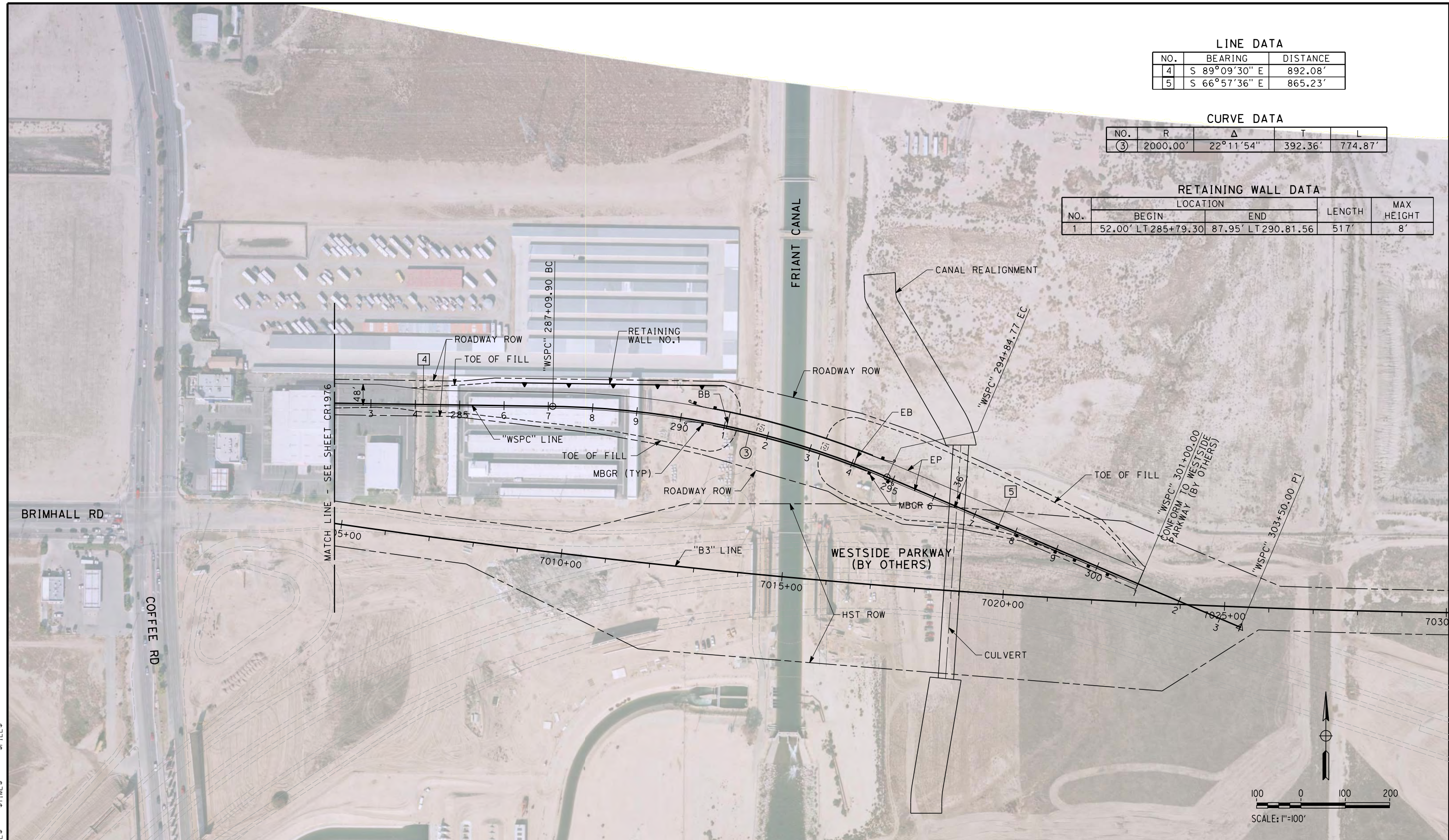
NO.	BEARING	DISTANCE
4	S 89°09'30" E	892.08'
5	S 66°57'36" E	865.23'

CURVE DATA

NO.	R	Δ	T	L
③	2000.00'	22°11'54"	392.36'	774.87'

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	52.00' LT 285+79.30	87.95' LT 290.81.56	517'	8'



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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
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J. MONG
 IN CHARGE
R. COFFIN
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DESIGN SUBMISSION**

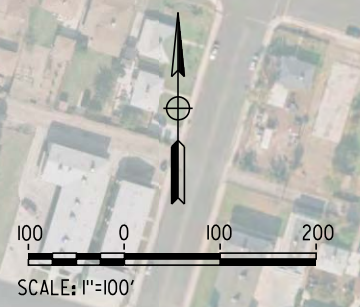
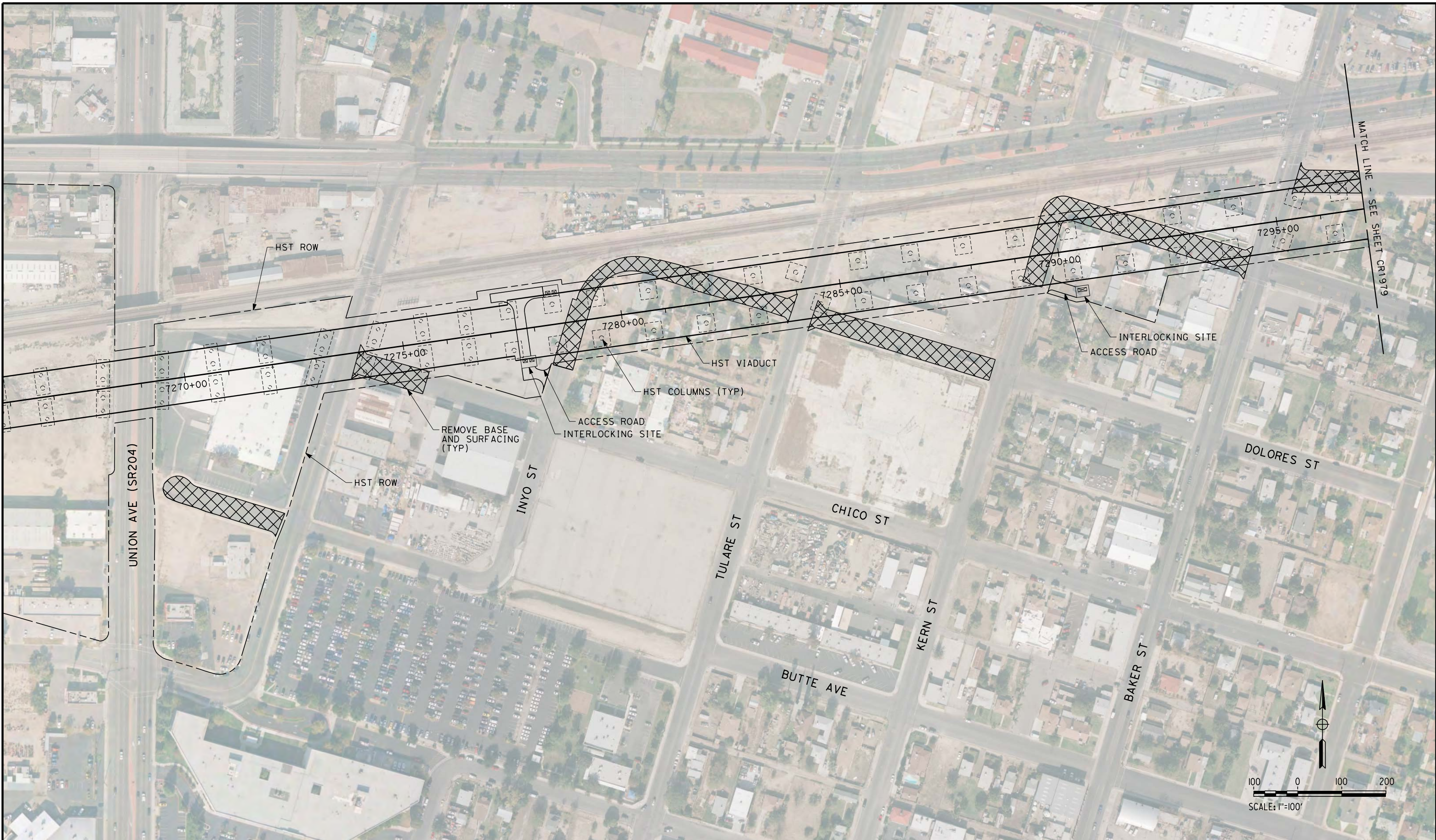
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY LAYOUT
 BRIMHALL RD / WESTSIDE PKY / COFFEE RD OFF RAMP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR1977
 SCALE
AS SHOWN
 SHEET NO.
12 OF 21

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 joshua.thomas



REV	DATE	BY	CHK	APP	DESCRIPTION

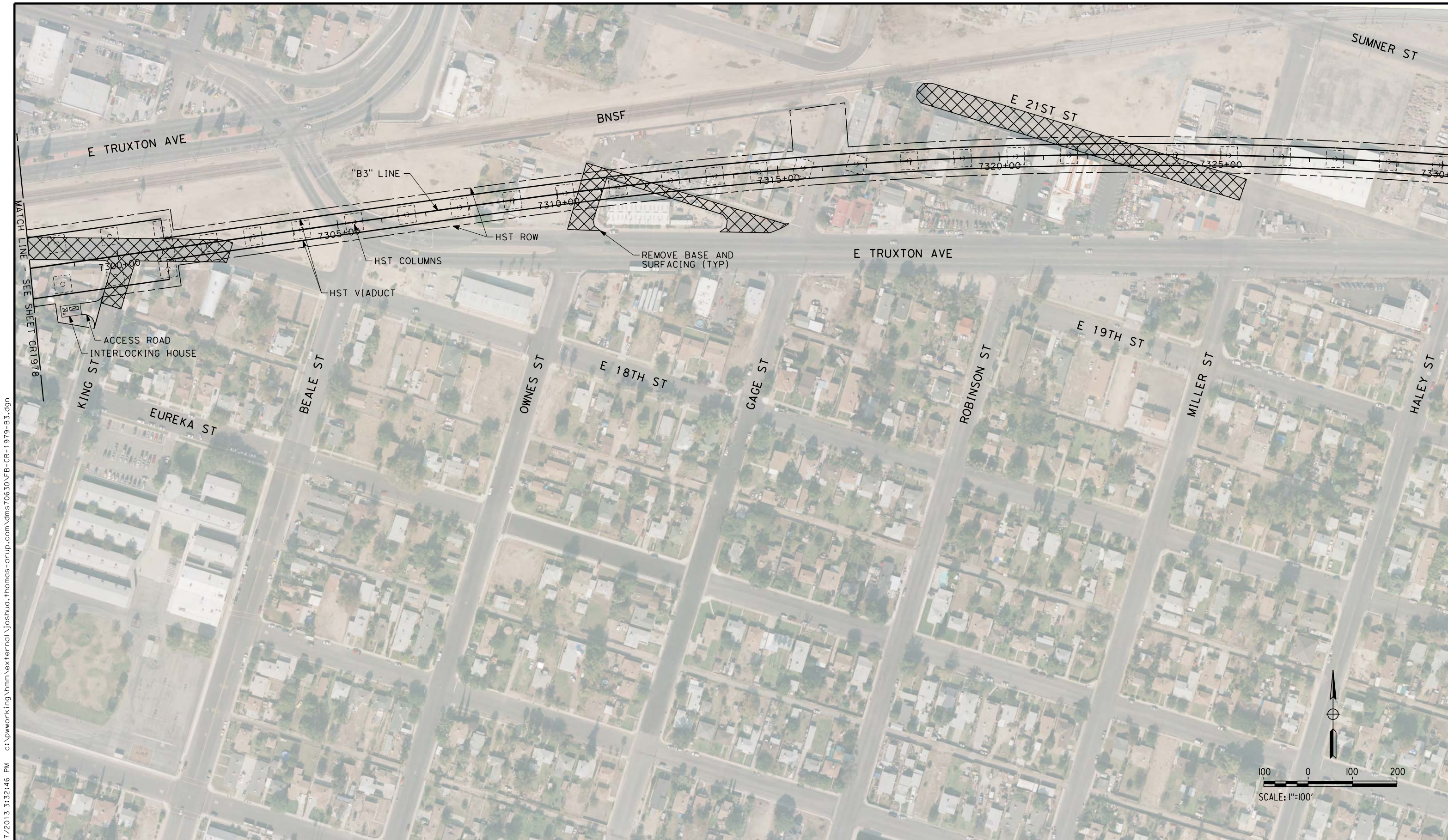
DESIGNED BY
A. CANNON
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E. SUDHAUSEN
 CHECKED BY
S. BROWN
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY LAYOUT
 EAST BAKERSFIELD DETAIL

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR1978
 SCALE
AS SHOWN
 SHEET NO.
13 OF 21



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
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J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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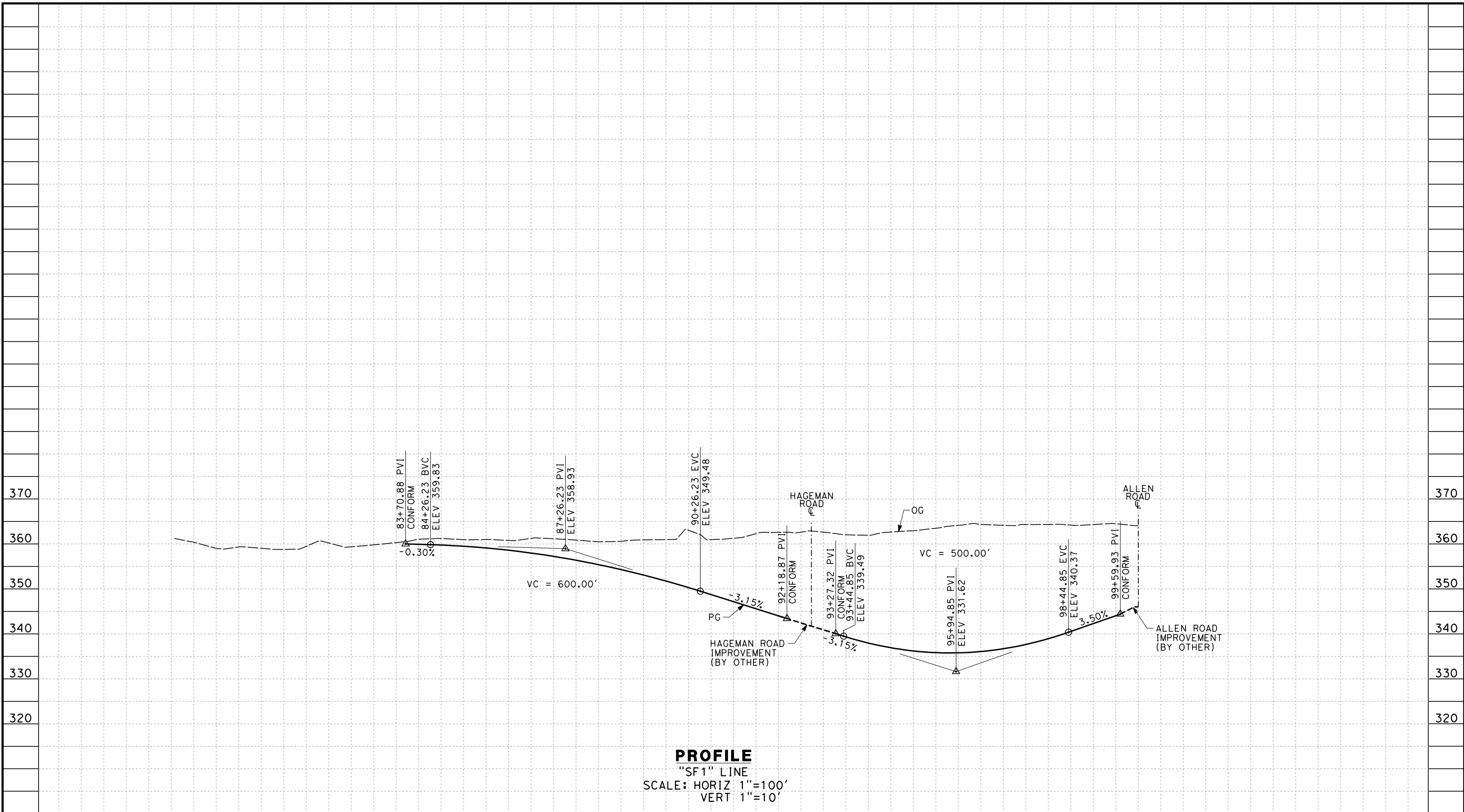
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY LAYOUT
 EAST BAKERSFIELD DETAIL

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR1979
 SCALE
 AS SHOWN
 SHEET NO.
 14 OF 21

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 \$PLTDRVS\$
 \$PENTBLS\$
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STATION	3	4	85	6	7	8	9	90	1	2	3	4	95	6	7	8	9	100	TOTAL
Exc																			
Emb																			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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 E. SUDHAUSEN
 CHECKED BY
 J. MONG
 IN CHARGE
 R. COFFIN
 DATE
 12/31/13

**RECORD SET 15%
 DESIGN SUBMISSION**

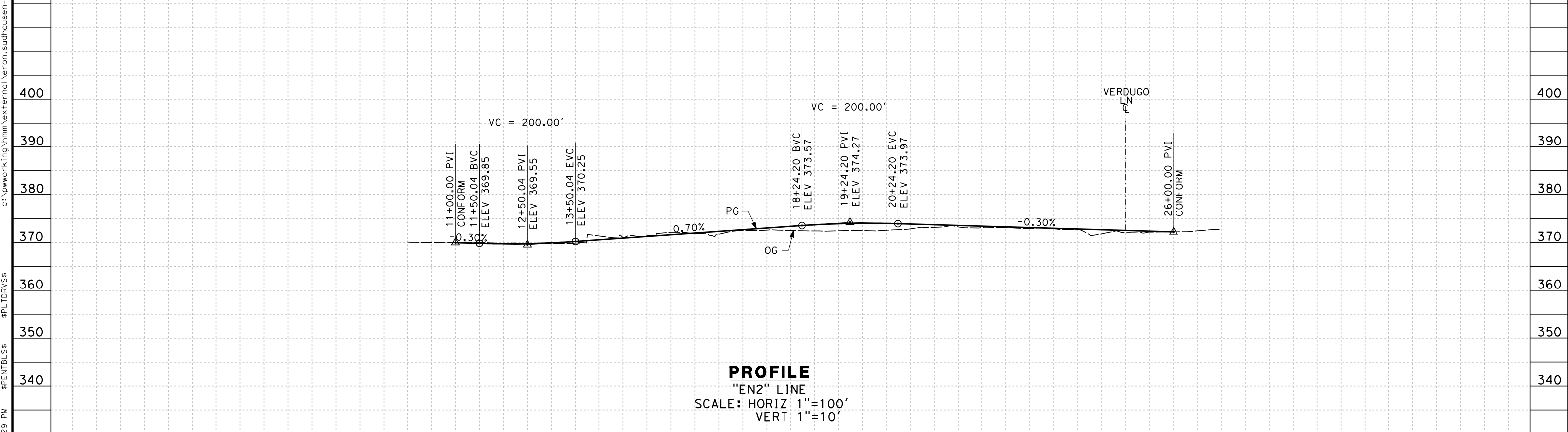
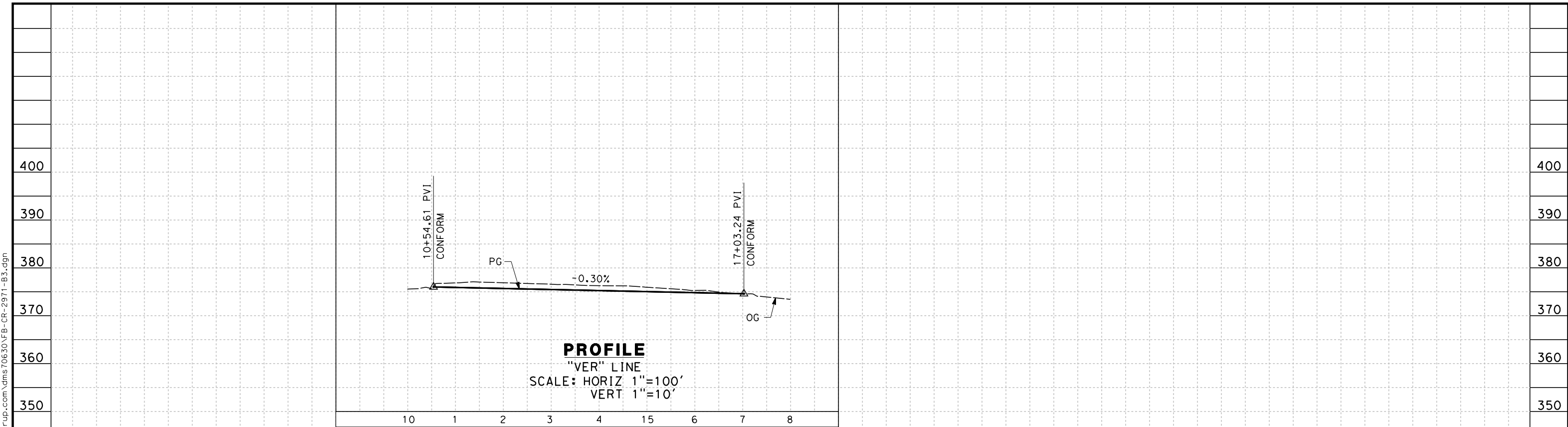
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY PROFILE
 SANTA FE WAY

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CR2970
 SCALE
 AS SHOWN
 SHEET NO.
 15 OF 21

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 \$PLTDRVS\$
 \$PENTBLS\$
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STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	25	6	7	TOTAL	
CY	Exc																			
	Emb																			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

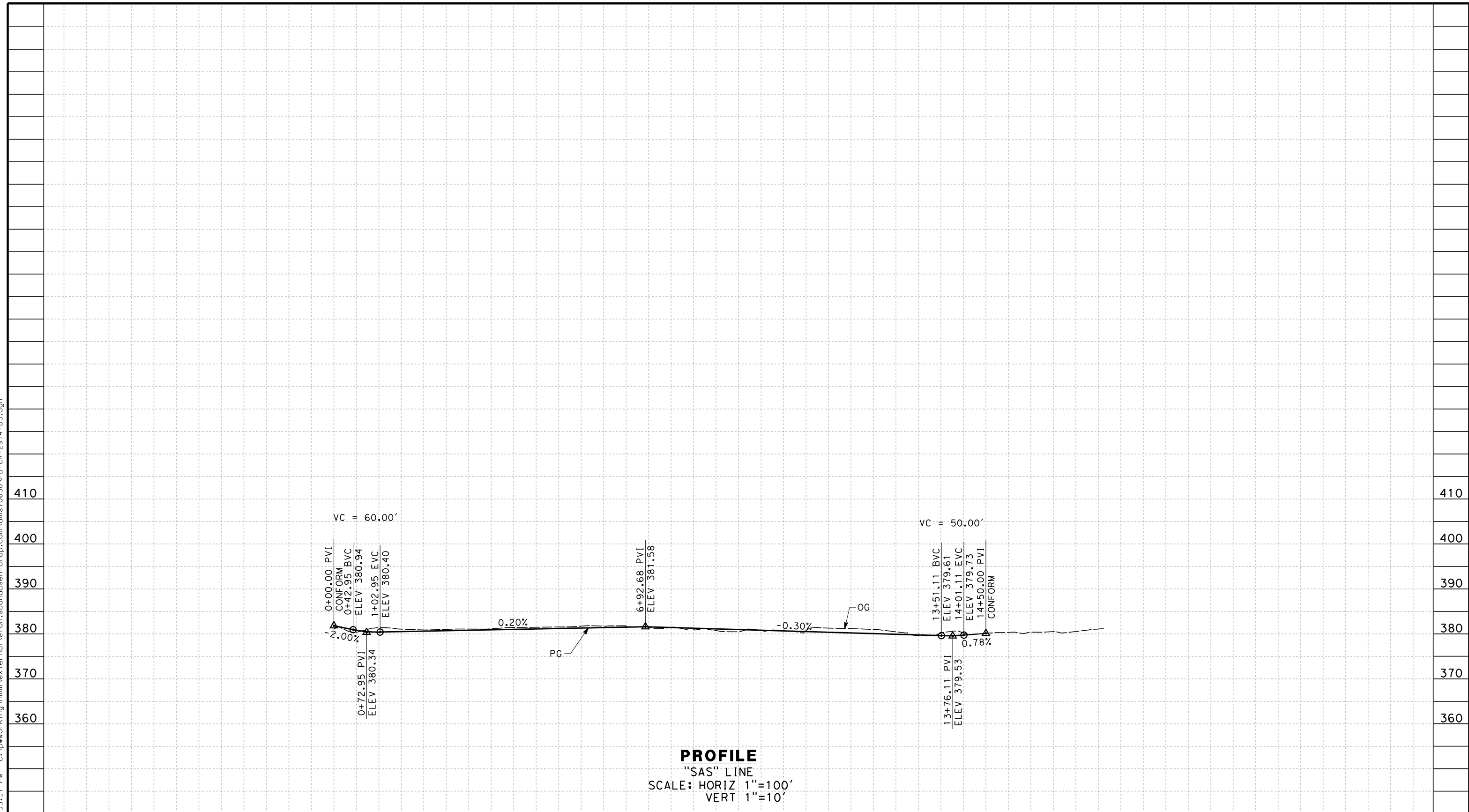
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY PROFILE
 ENGER ST AND VERDUGO LN

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2971
 SCALE
AS SHOWN
 SHEET NO.
16 OF 21

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STATION	0	1	2	3	4	5	6	7	8	9	10	1	2	3	4	15	6	7	TOTAL
Exc																			
Emb																			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
S. BROWN
 IN CHARGE
R. COFFIN
 DATE
12/31/13

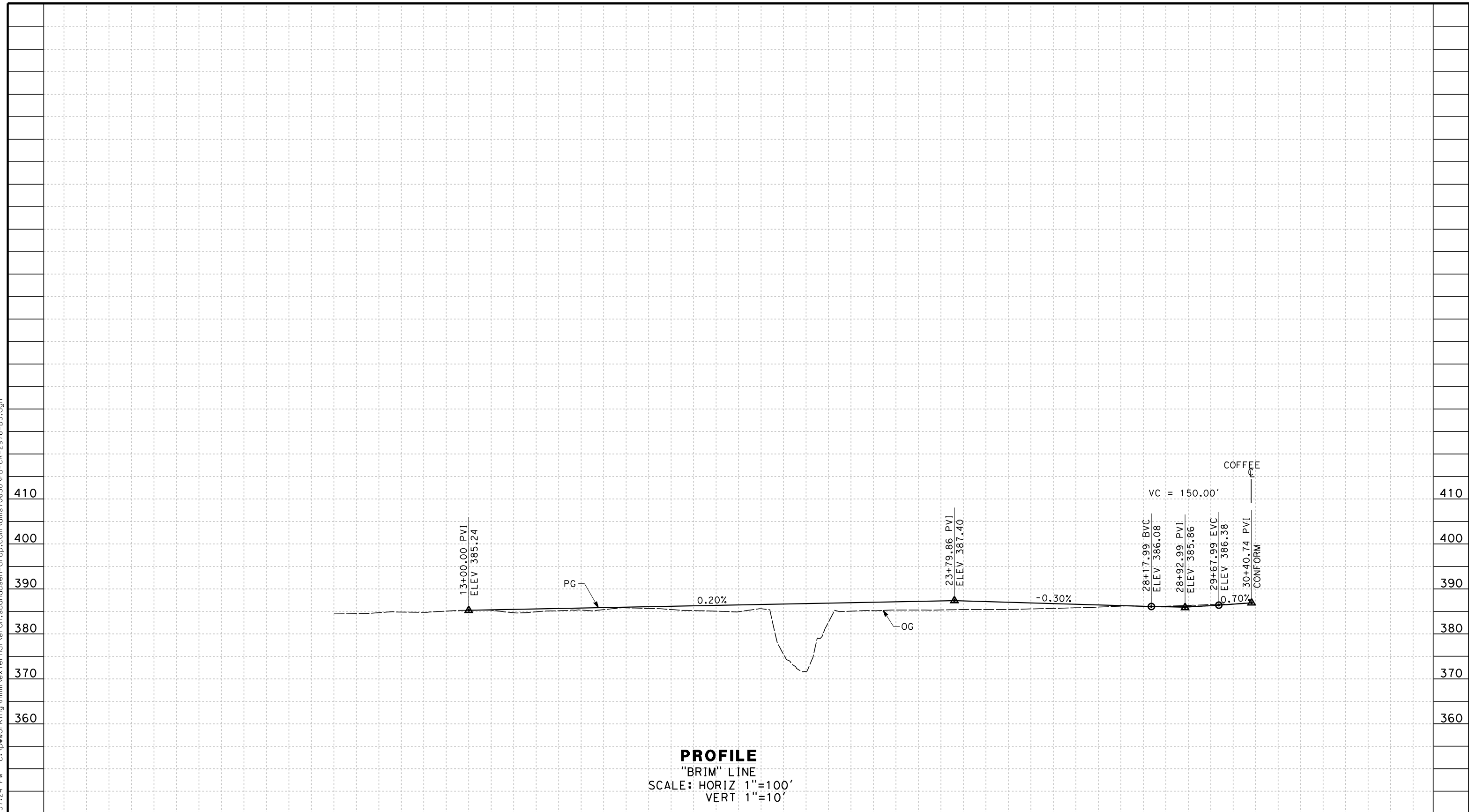
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY PROFILE
 SLIKKER DR / ART ST / SHELLABARGER RD

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2974
 SCALE
AS SHOWN
 SHEET NO.
17 OF 21

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STATION	10	1	2	3	4	15	6	7	8	9	20	1	2	3	4	25	6	7	8	9	30	TOTAL	
Exc																							
Emb																							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

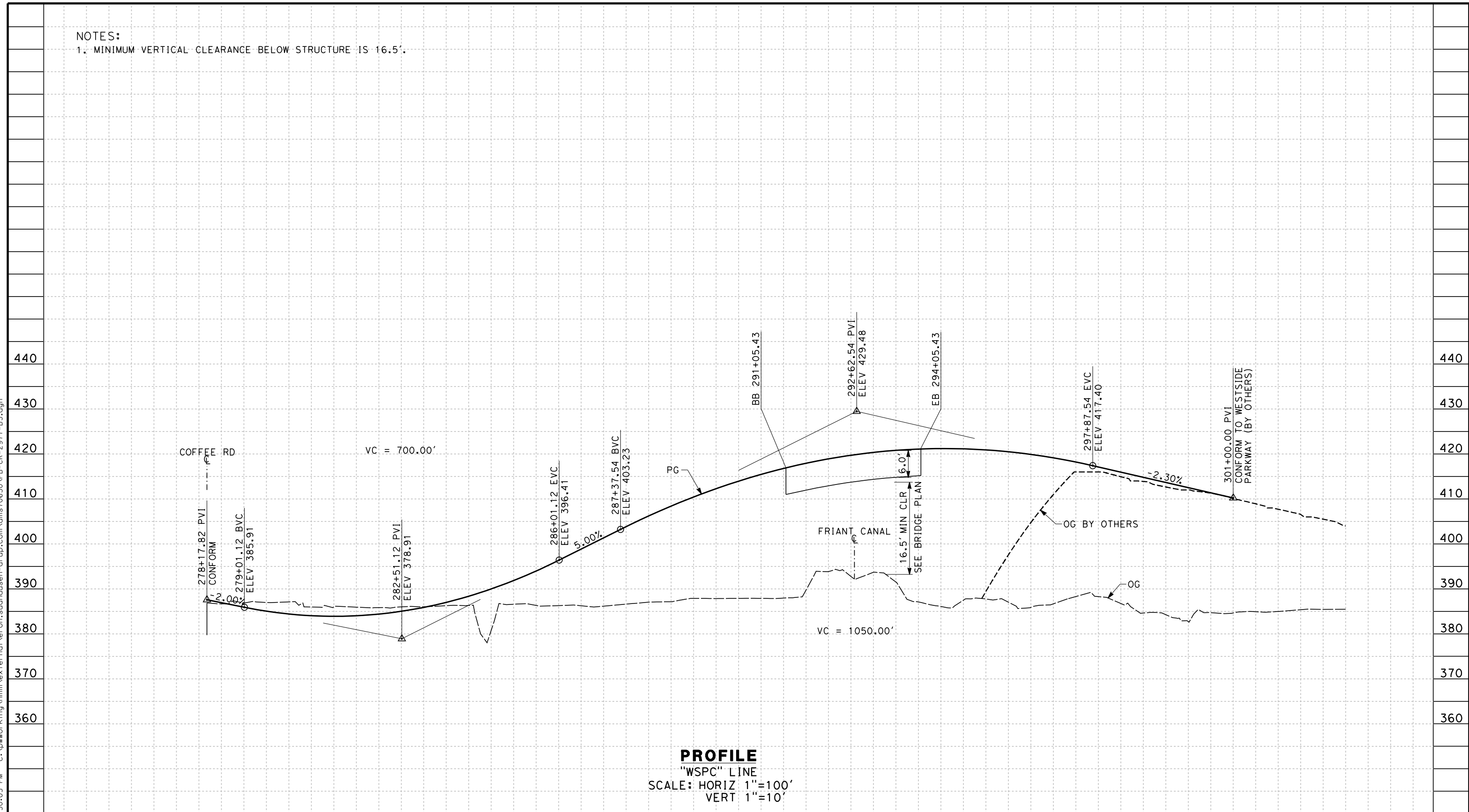
**RECORD SET 15%
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 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY PROFILE
 BRIMHALL RD

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2976
 SCALE
AS SHOWN
 SHEET NO.
18 OF 21

NOTES:
 1. MINIMUM VERTICAL CLEARANCE BELOW STRUCTURE IS 16.5'.



PROFILE
 "WSPC" LINE
 SCALE: HORIZ 1"=100'
 VERT 1"=10'

STATION	8	9	280	1	2	3	4	285	6	7	8	9	290	1	2	3	4	295	6	7	8	9	300	1	2	3	4	TOTAL
Exc																												
Emb																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
 DRAWN BY
E. SUDHAUSEN
 CHECKED BY
J. MONG
 IN CHARGE
R. COFFIN
 DATE
12/31/13

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 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY PROFILE
 WESTSIDE PKWY / COFFEE RD OFF RAMP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CR2977
 SCALE
AS SHOWN
 SHEET NO.
19 OF 21

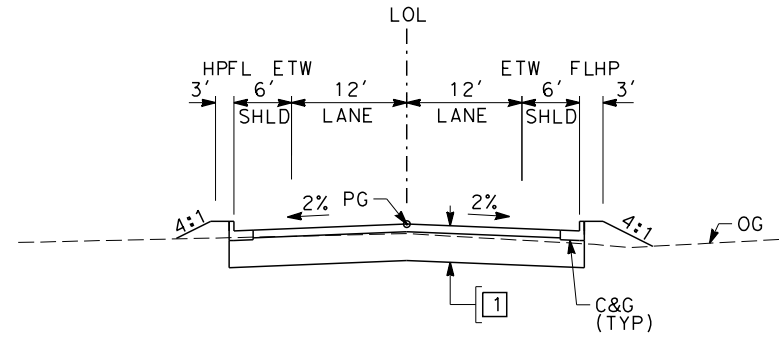
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 12/30/2013 1:50:05 PM
 eron.sudhausen

NOTES:

1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXACT DIMENSION AND MATERIAL OF THE PAVEMENT SECTION TO BE CONFIRMED.
3. PEDESTRIAN FACILITIES WILL BE DESIGNED TO COMPLY WITH ADA REQUIREMENTS.

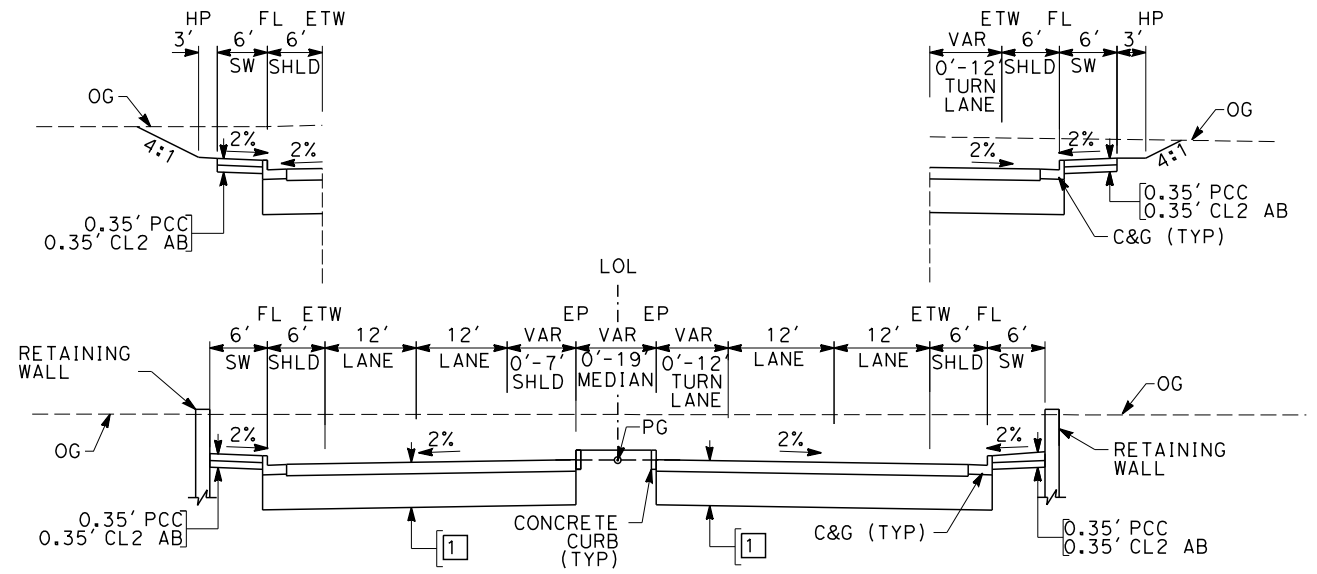
**STRUCTURAL SECTIONS
TYPICAL ROADWAY**

- 1 [0.50' HMA (TYPE A)]
- 1 [1.00' CL2 AB]



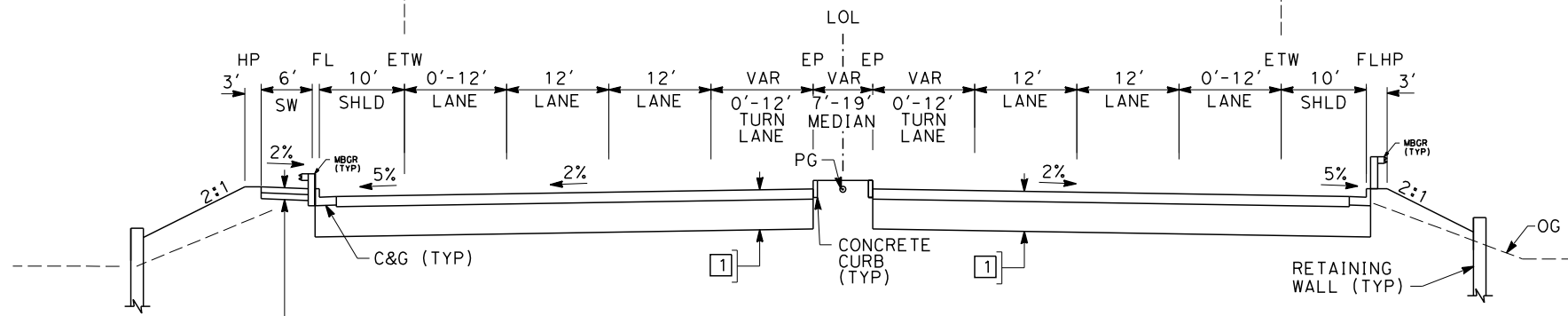
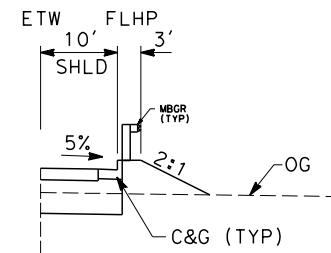
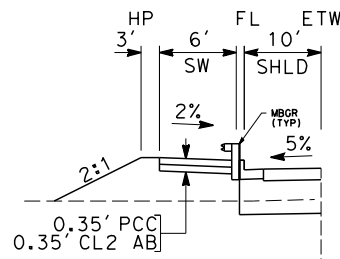
SECTION A

"EN2" 11+00.00 TO 26+00.00



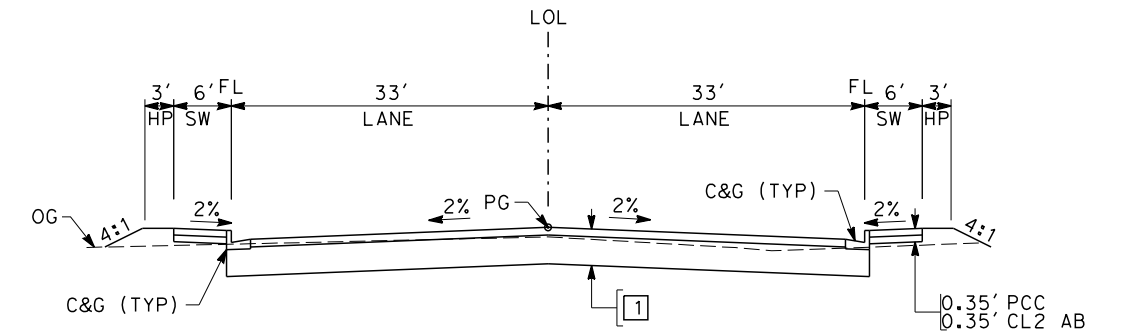
SECTION C

"SF1" 83+70.88 TO 92+18.87
"SF1" 93+27.32 TO 99+59.93



SECTION B

"ROS" 98+00.00 TO 114+15.78
"ROS" 119+75.78 TO 133+00.00



SECTION D

"VER" 10+54.61 TO 17+03.24

\$FILE \$ \$PLTDRVS \$ \$PENTBLS \$ \$TIME \$ \$DATE \$ \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CANNON
DRAWN BY
E. SUDHAUSEN
CHECKED BY
J. MONG
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTION

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CT3190
SCALE	NO SCALE
SHEET NO.	20 OF 21

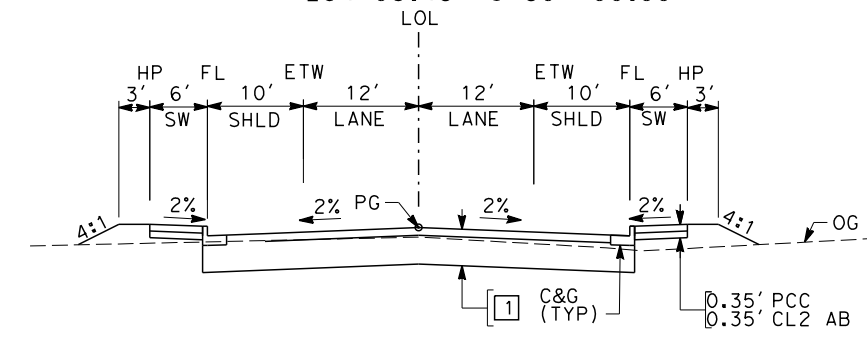
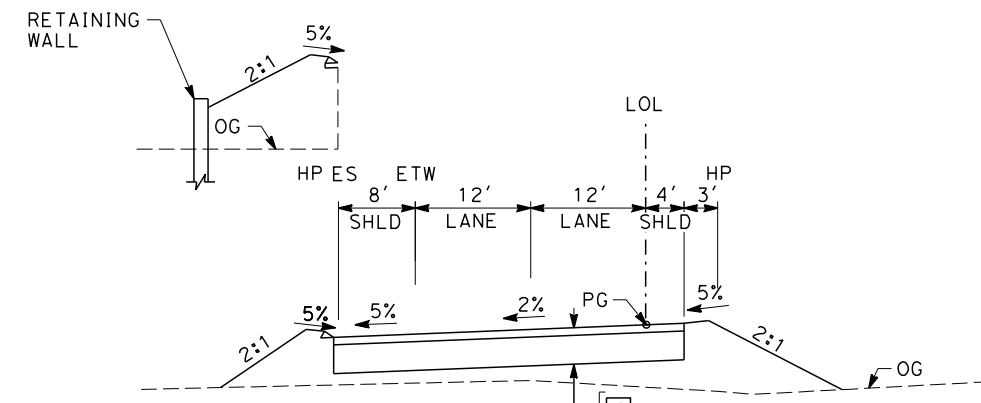
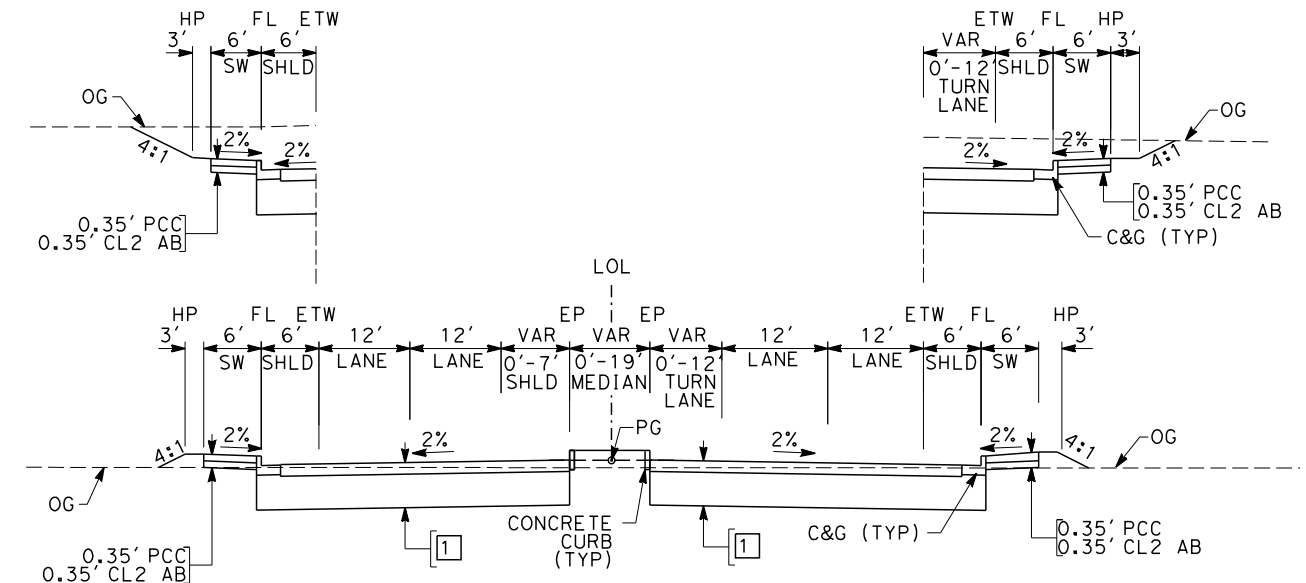
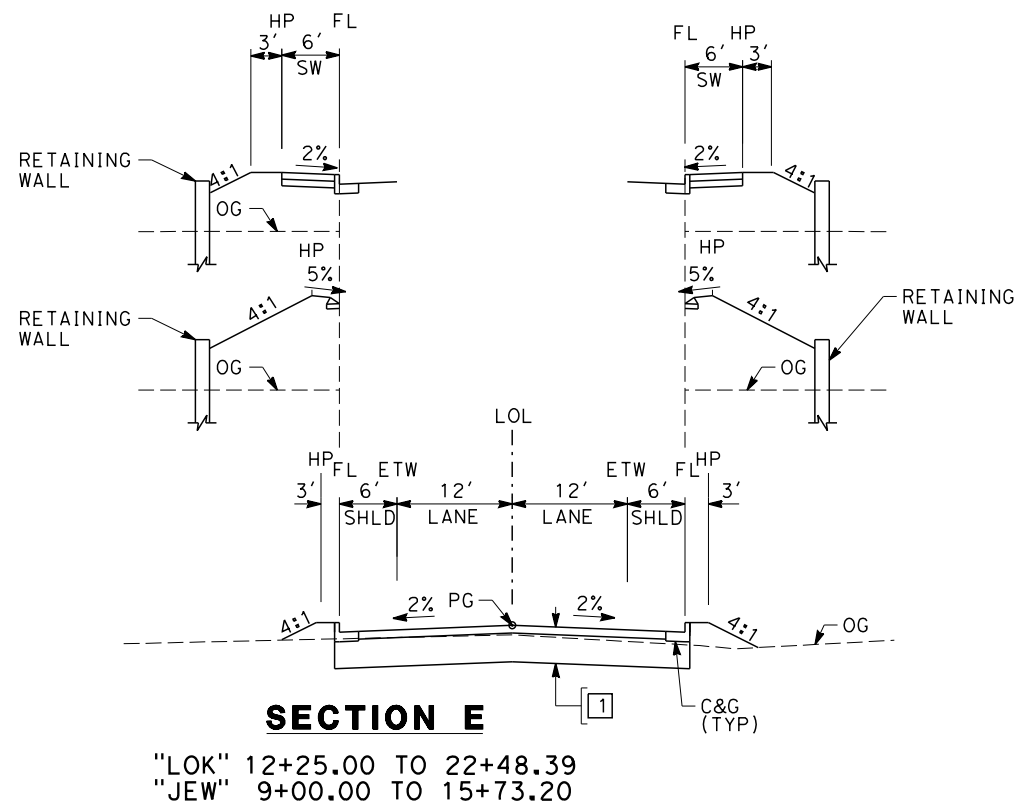


TABLE OF DESIGN SPEEDS

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED	CRITERIA/JURISDICTION
ROSEDALE HWY	ROS	55	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
LONE OAK DR	LOK	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
JEWETTA AVE	JEW	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SANTA FE WAY	SF1	40	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
ENGER ST	EN1	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
VERDUGO LN	VER	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SLIKKER DR	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
ART ST	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SHELLEBARGER AVE	SAS	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
BRIMHALL RD	BRIM	55	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
WESTSIDE PARKWAY - COFFEE RD OFF-RAMP	WSPC	50	HDM/CALTRANS

\$FILE \$ \$PLTDRVS \$ \$PENTBLS \$ \$TIME \$ \$DATE \$ \$USER \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 A. CANNON
 DRAWN BY
 E. SUDHAUSEN
 CHECKED BY
 J. MONG
 IN CHARGE
 R. COFFIN
 DATE
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 ROADWAY / GRADE SEPARATION
 TYPICAL CROSS SECTIONS

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CT3195
 SCALE
 AS SHOWN
 SHEET NO.
 21 OF 21