LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

2000 0 2000 4000

1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

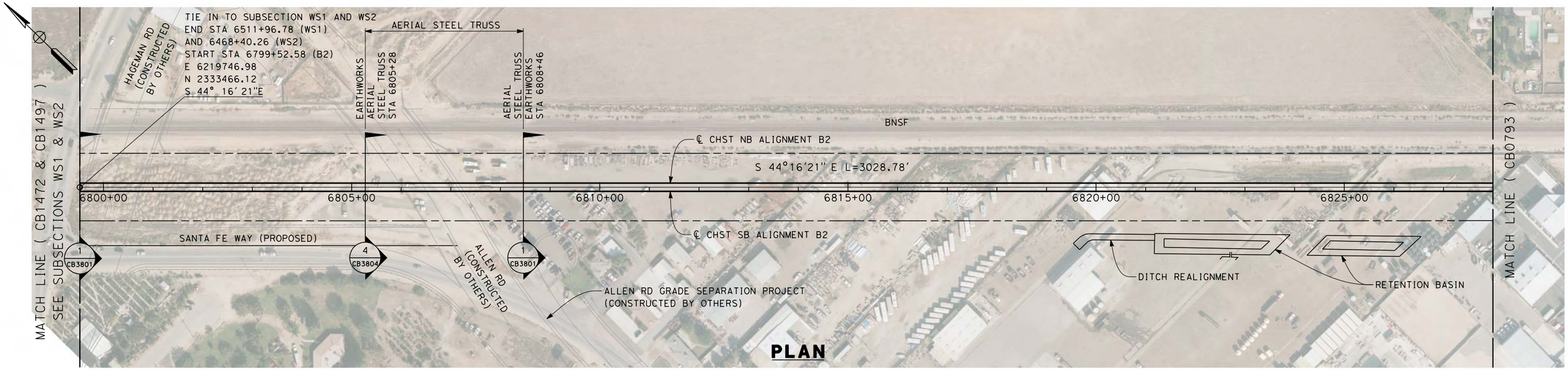
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

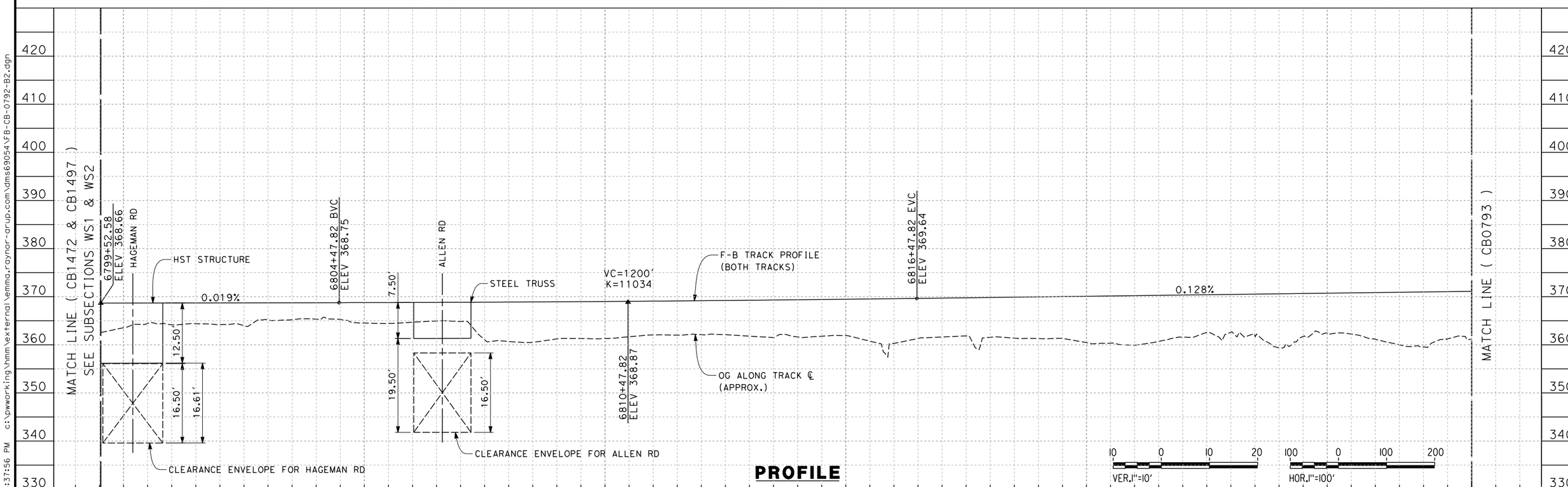
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6799+52.58 TO 7426+98.87
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0791
SCALE AS SHOWN
SHEET NO. 1 OF 35

emma.raynor 12/11/2013 7:40:46 PM c:\pwworking\hmm\external\emma.raynor-arup.com\dms69054\FB-CB-0791-B2.dgn





REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6799+52.58 TO 6828+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0792
SCALE AS SHOWN
SHEET NO. 2 OF 35

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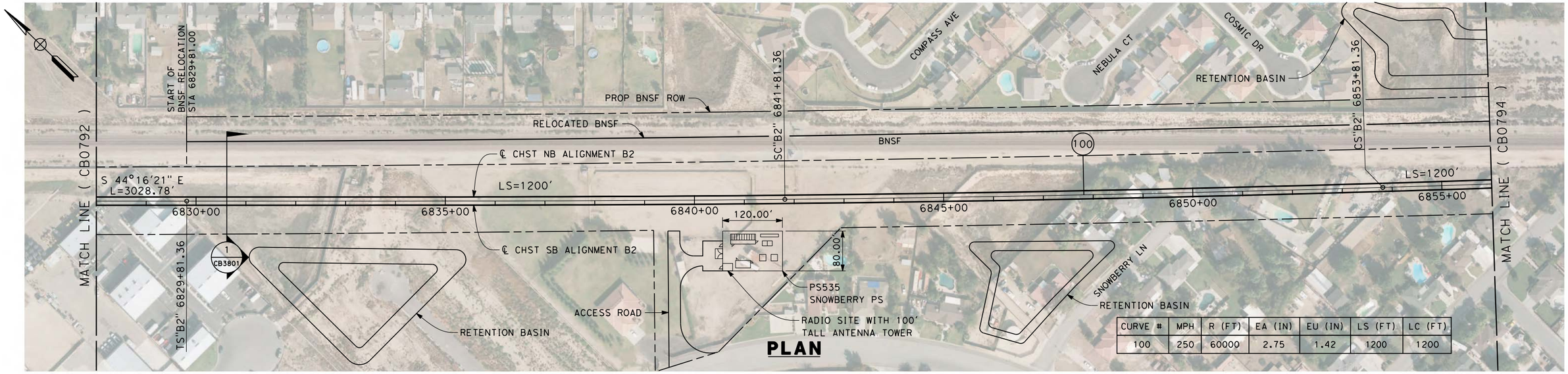
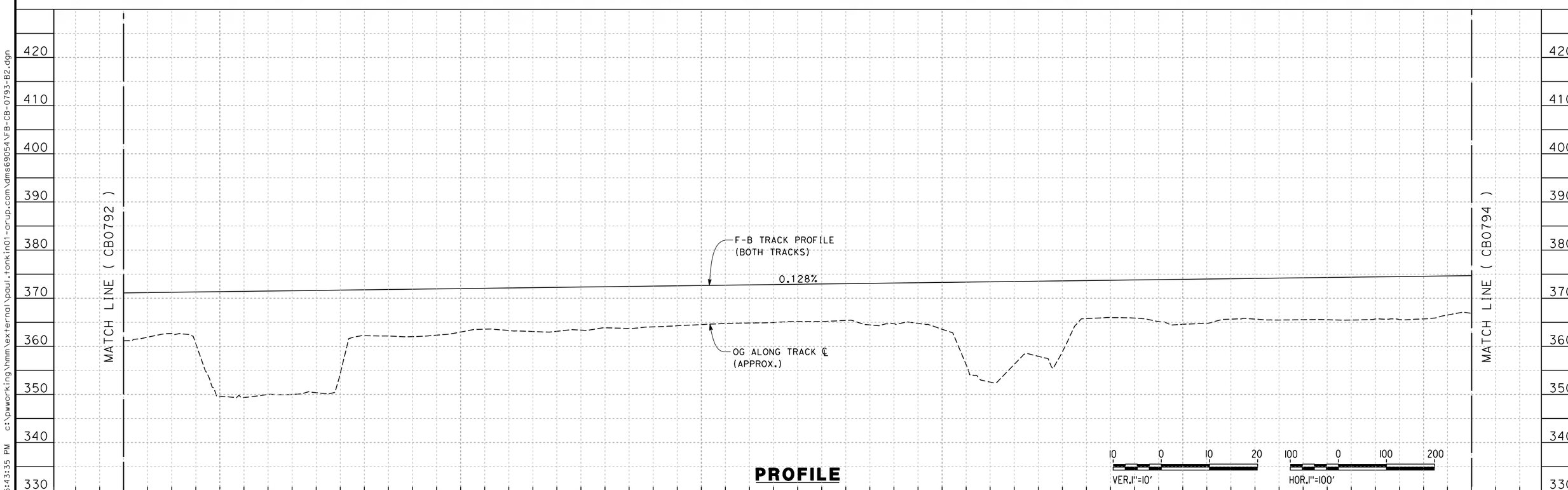


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
100	250	60000	2.75	1.42	1200	1200

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6828+00 TO 6856+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0793
SCALE AS SHOWN
SHEET NO. 3 OF 35

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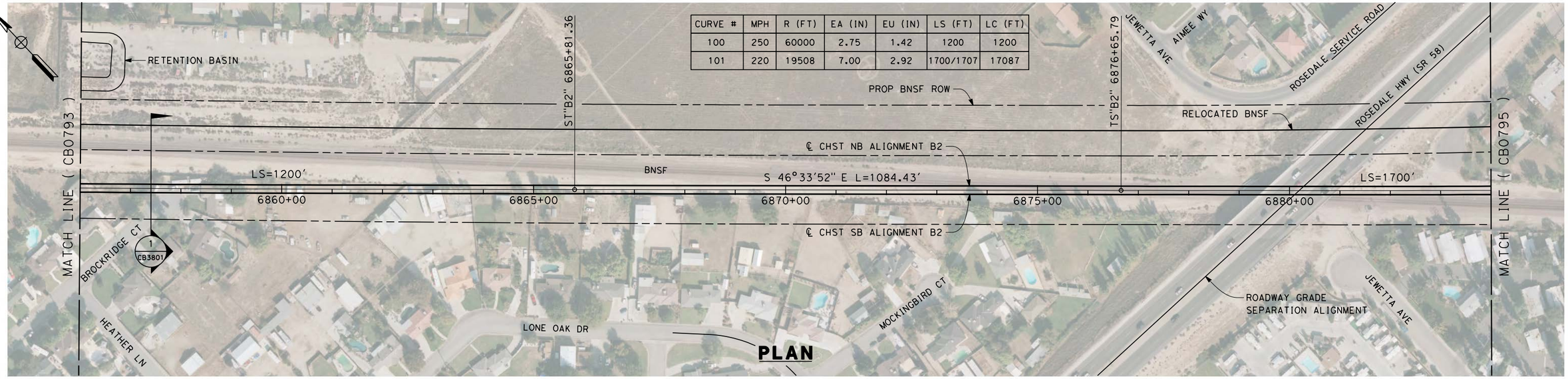
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
100	250	60000	2.75	1.42	1200	1200
101	220	19508	7.00	2.92	1700/1707	17087



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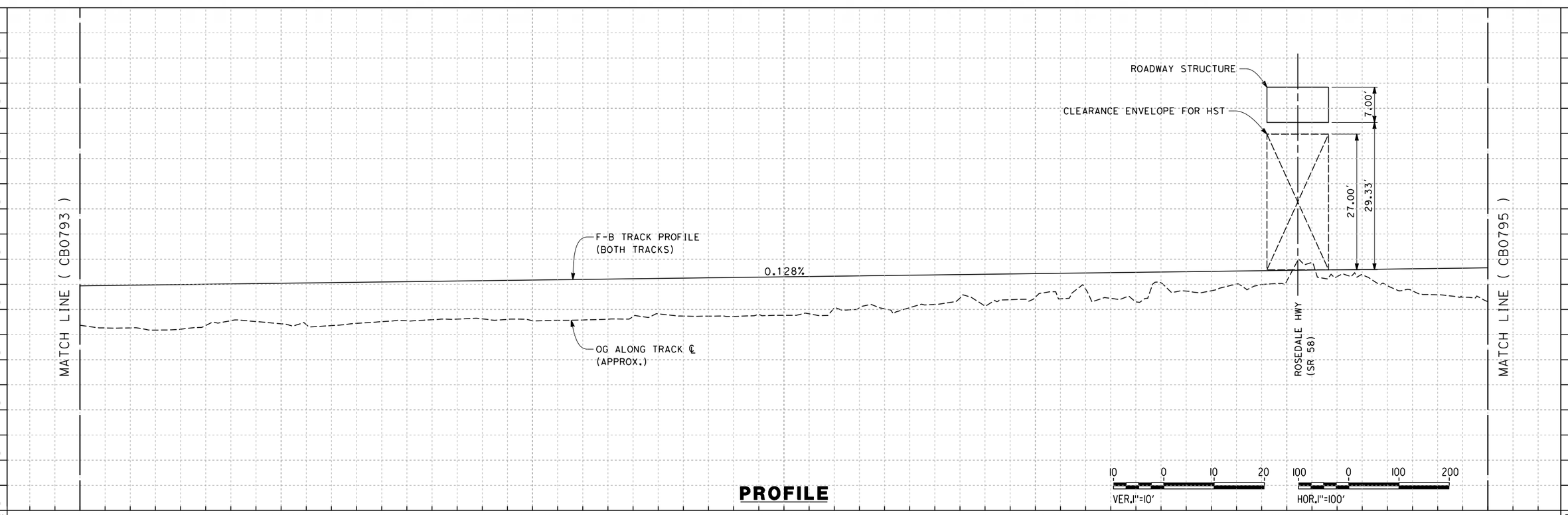

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6856+00 TO 6884+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0794
SCALE AS SHOWN
SHEET NO. 4 OF 35

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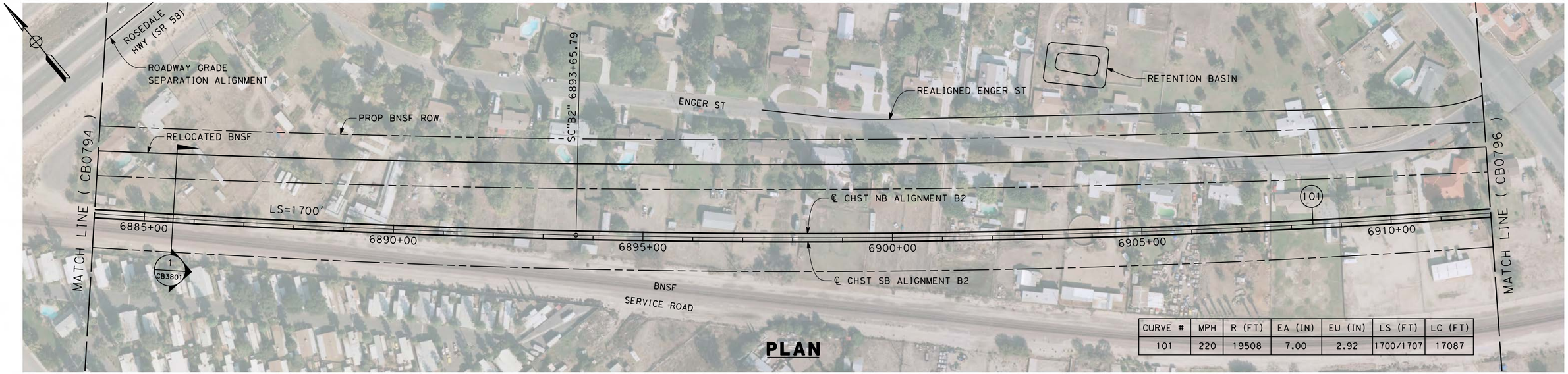
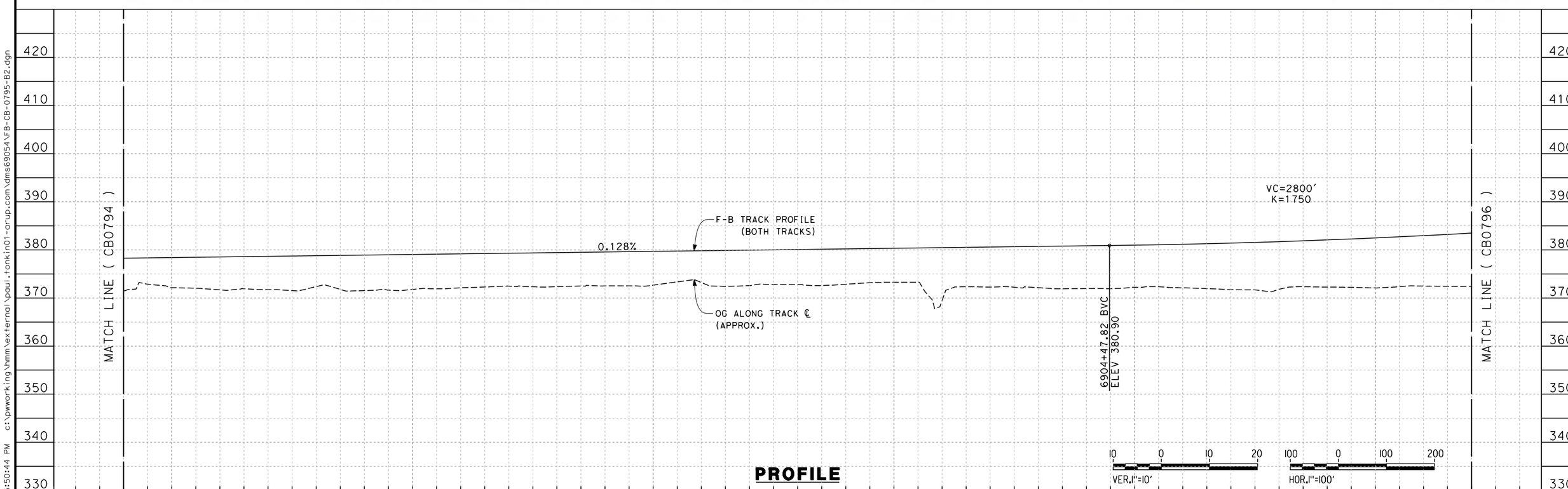


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6884+00 TO 6912+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0795
SCALE AS SHOWN
SHEET NO. 5 OF 35

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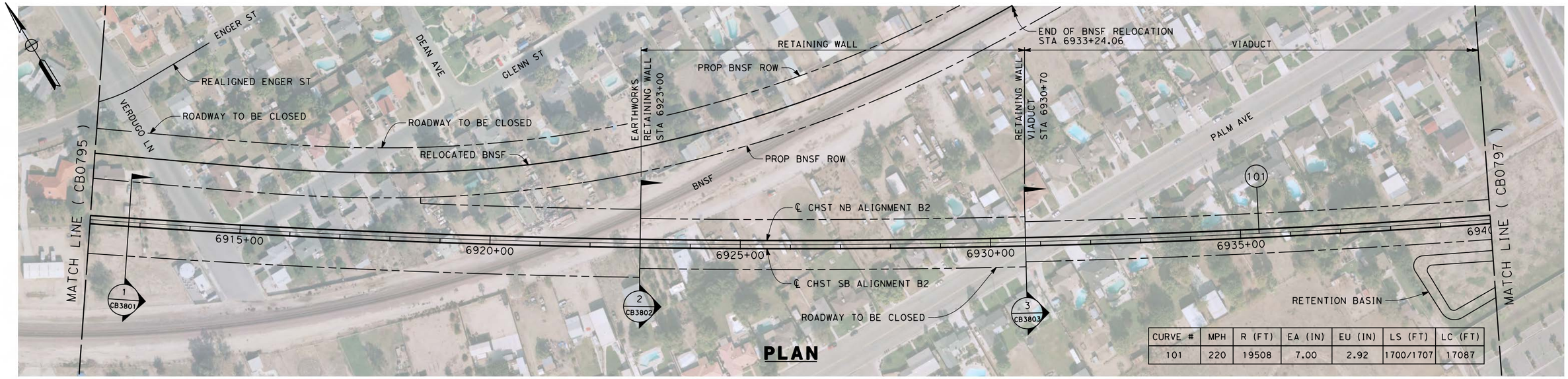
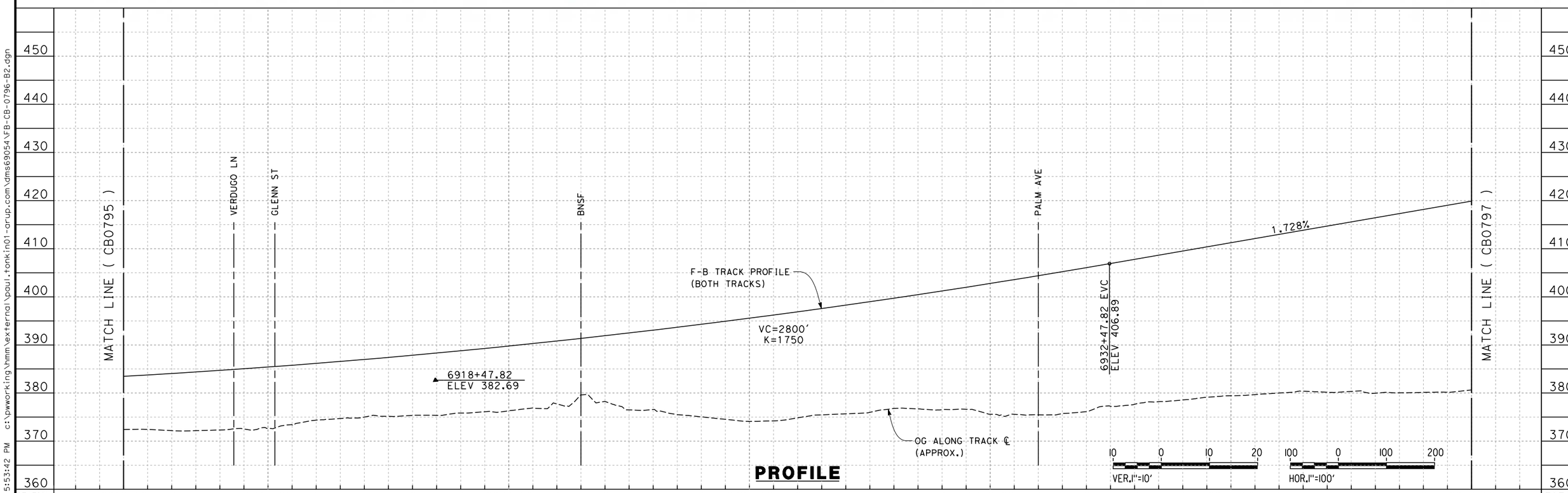


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6912+00 TO 6940+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0796
SCALE AS SHOWN
SHEET NO. 6 OF 35

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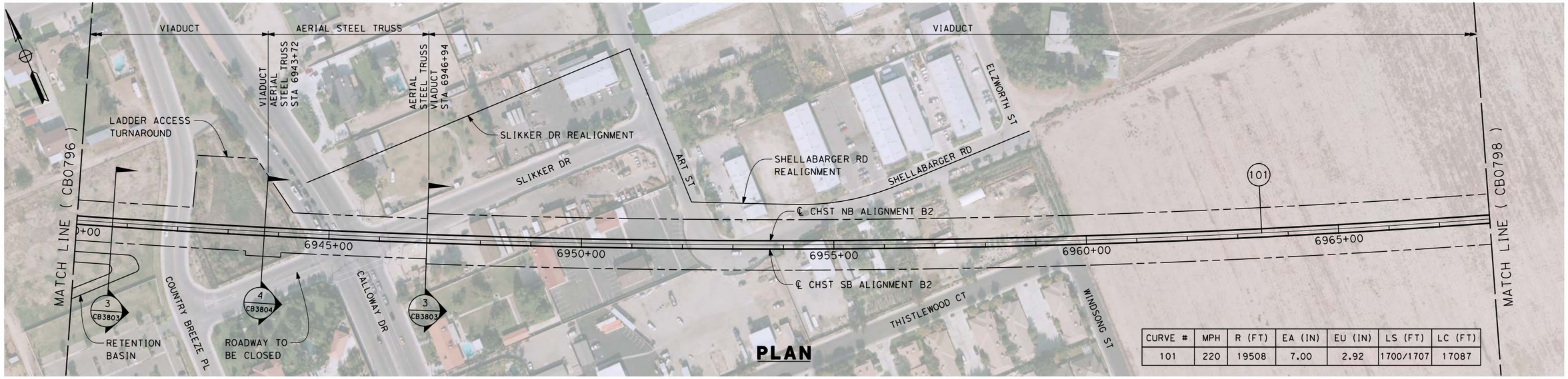
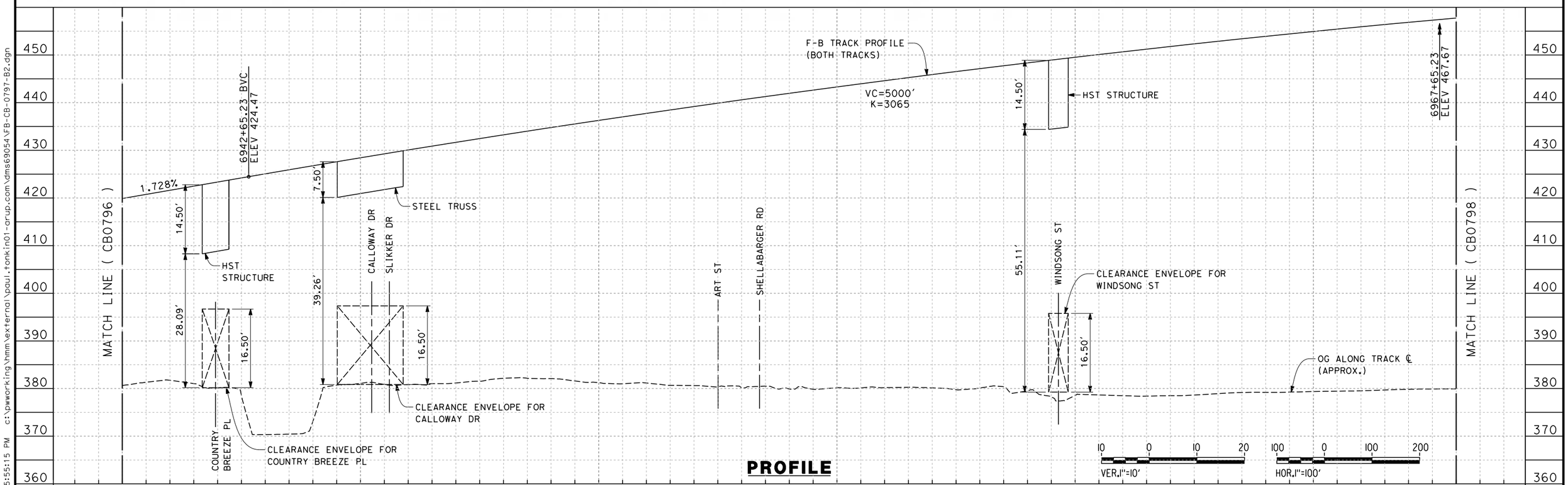


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
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DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6940+00 TO 6968+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0797
SCALE AS SHOWN
SHEET NO. 7 OF 35

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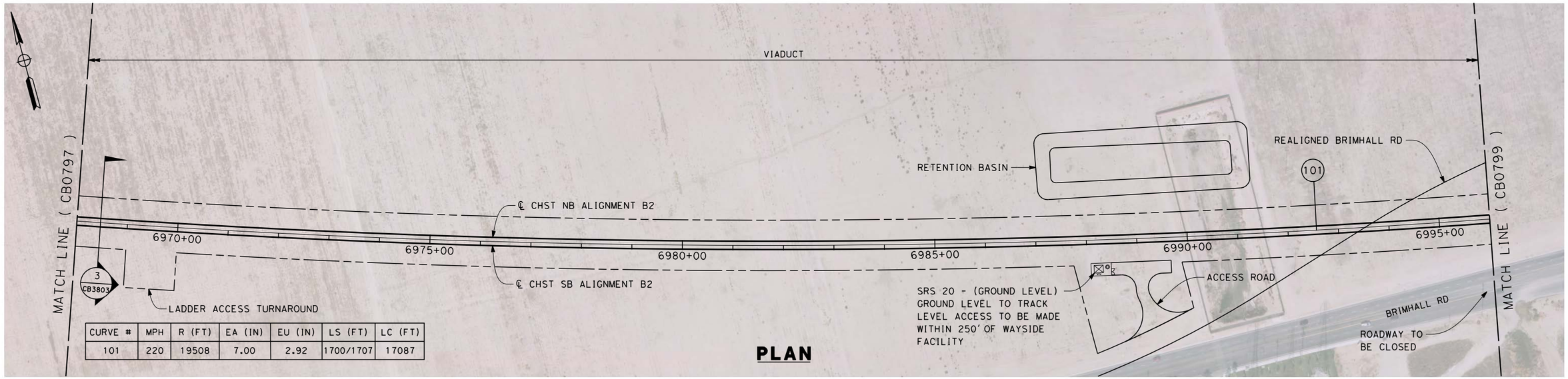
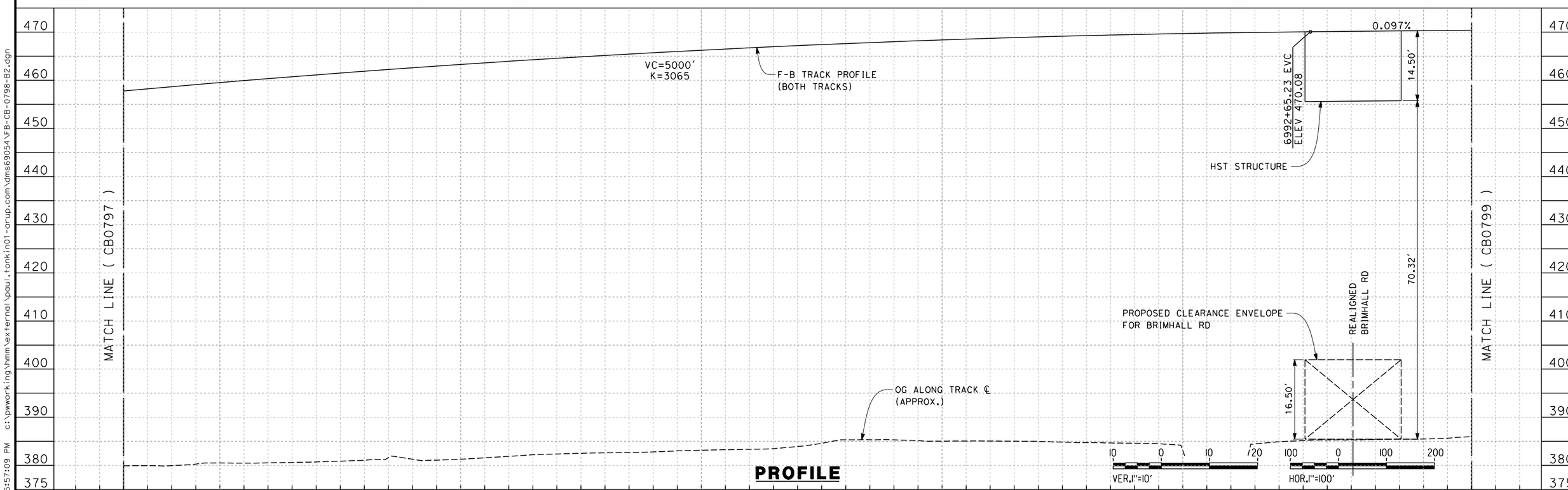


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0798
SCALE AS SHOWN
SHEET NO. 8 OF 35

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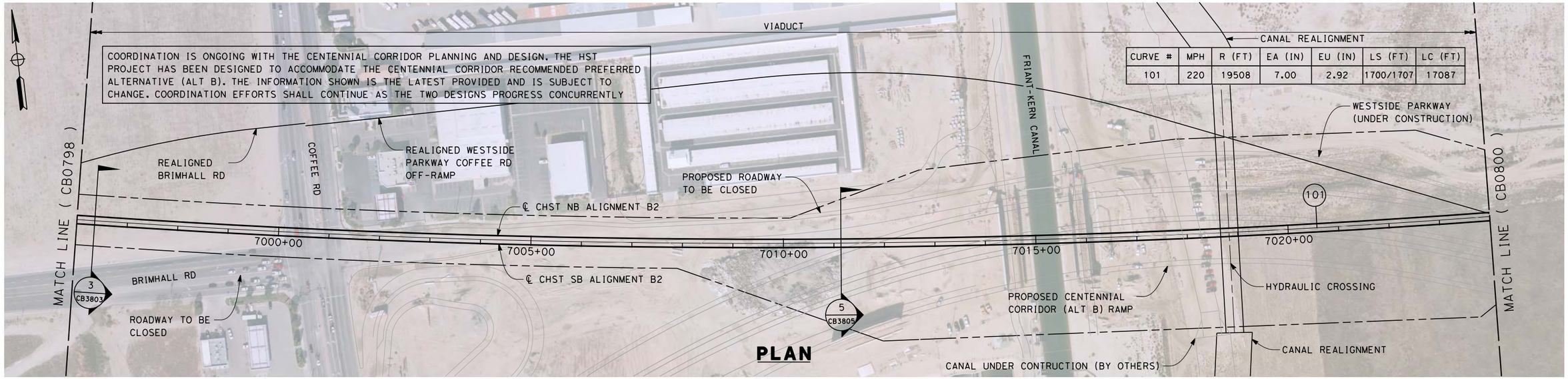
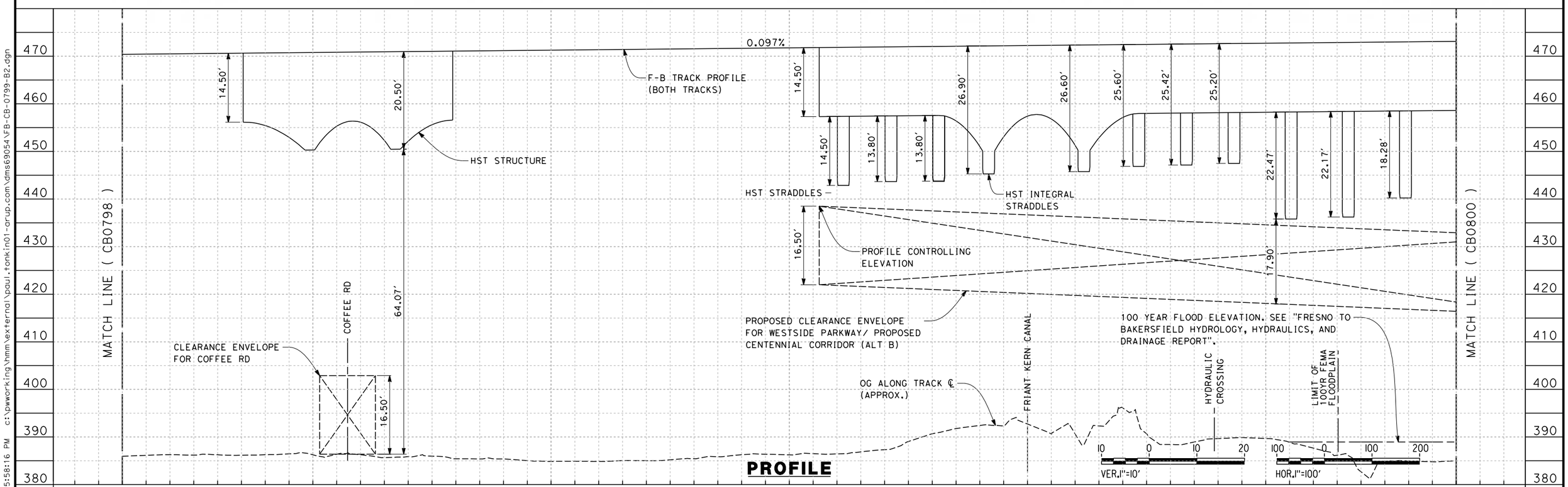


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6996+00 TO 7024+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0799
SCALE AS SHOWN
SHEET NO. 9 OF 35

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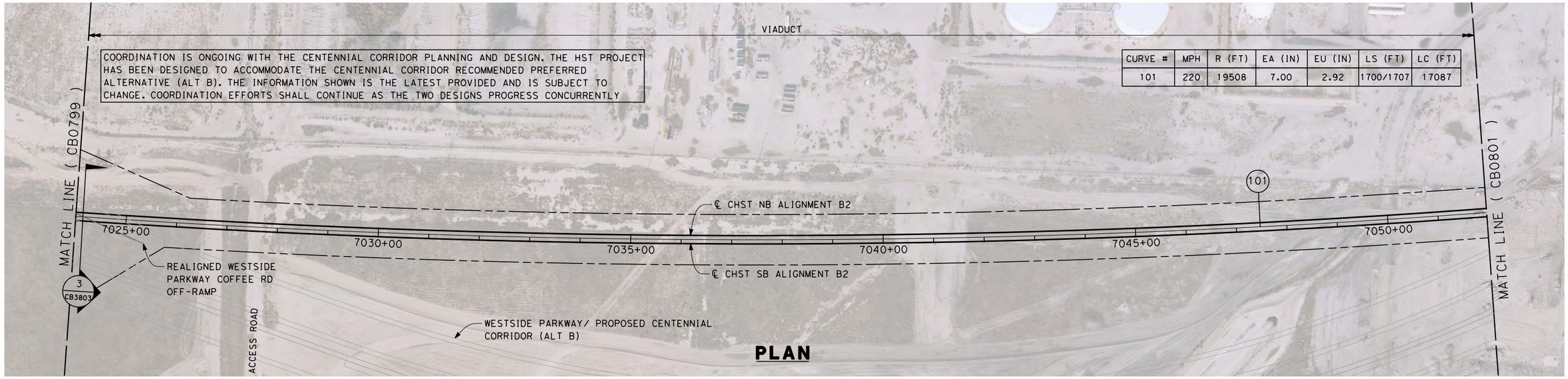
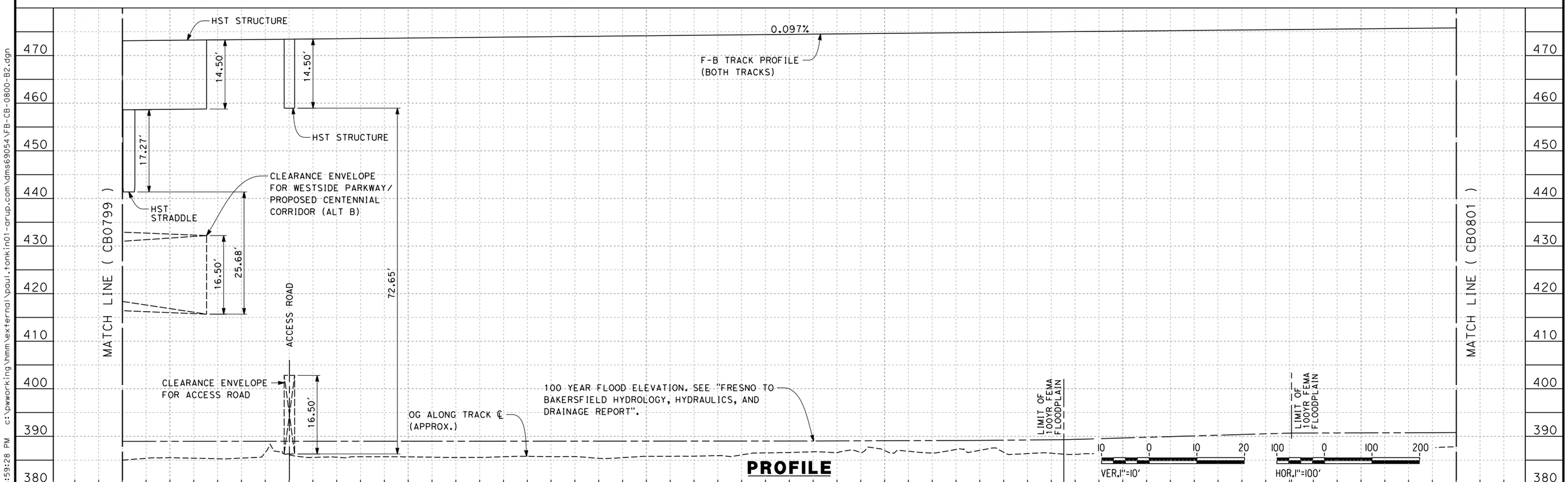


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7024+00 TO 7052+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0800
SCALE AS SHOWN
SHEET NO. 10 OF 35

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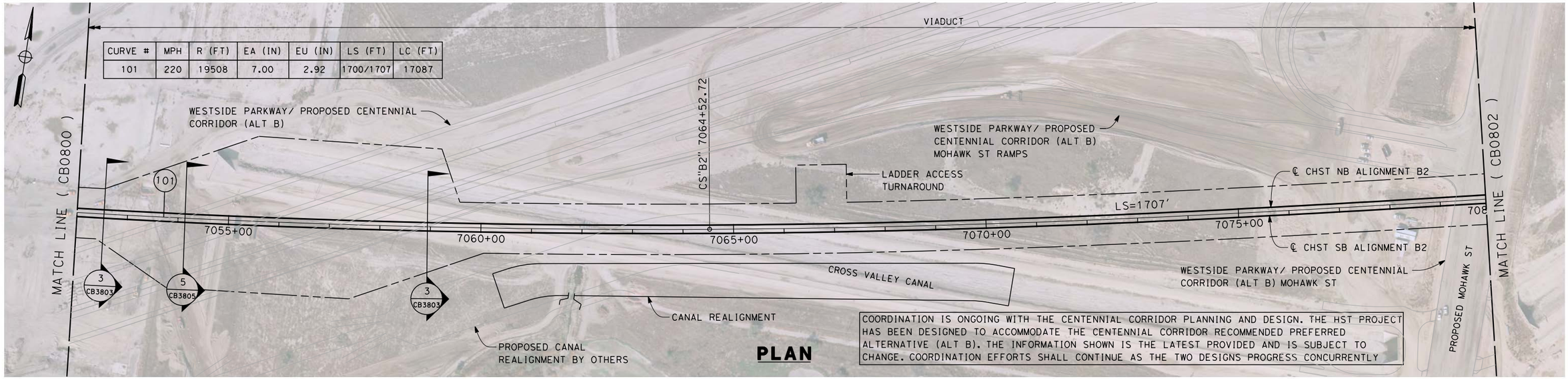
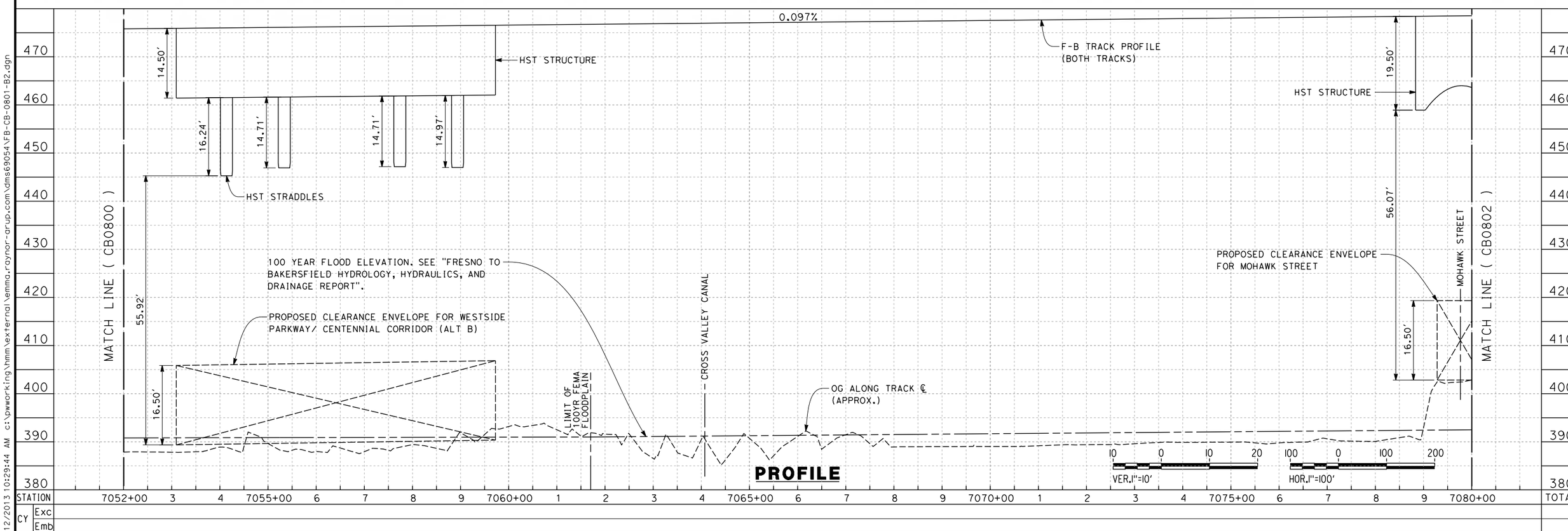
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087



COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE HST PROJECT HAS BEEN DESIGNED TO ACCOMMODATE THE CENTENNIAL CORRIDOR RECOMMENDED PREFERRED ALTERNATIVE (ALT B). THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7052+00 TO 7080+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0801
SCALE AS SHOWN
SHEET NO. 11 OF 35

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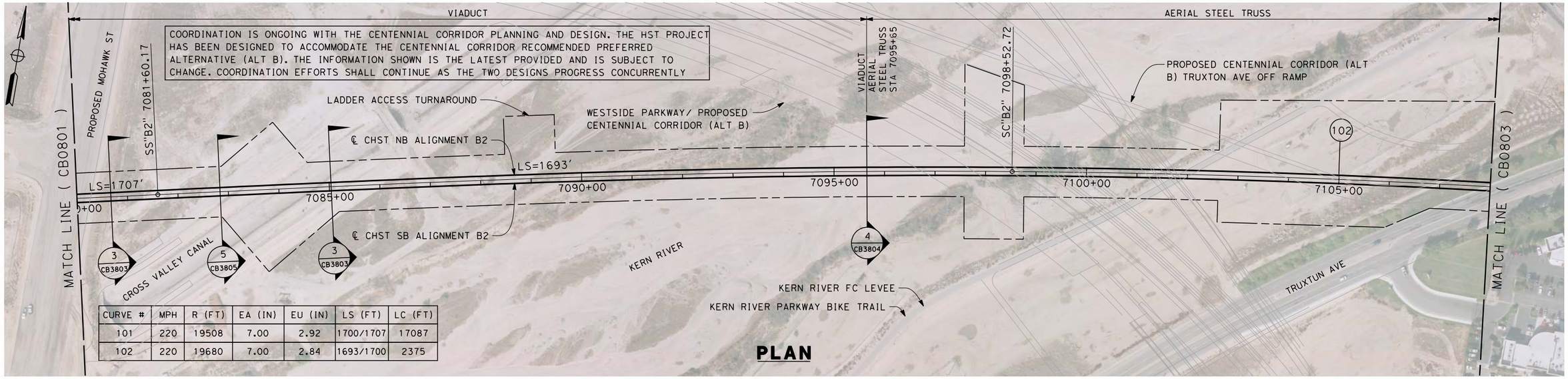
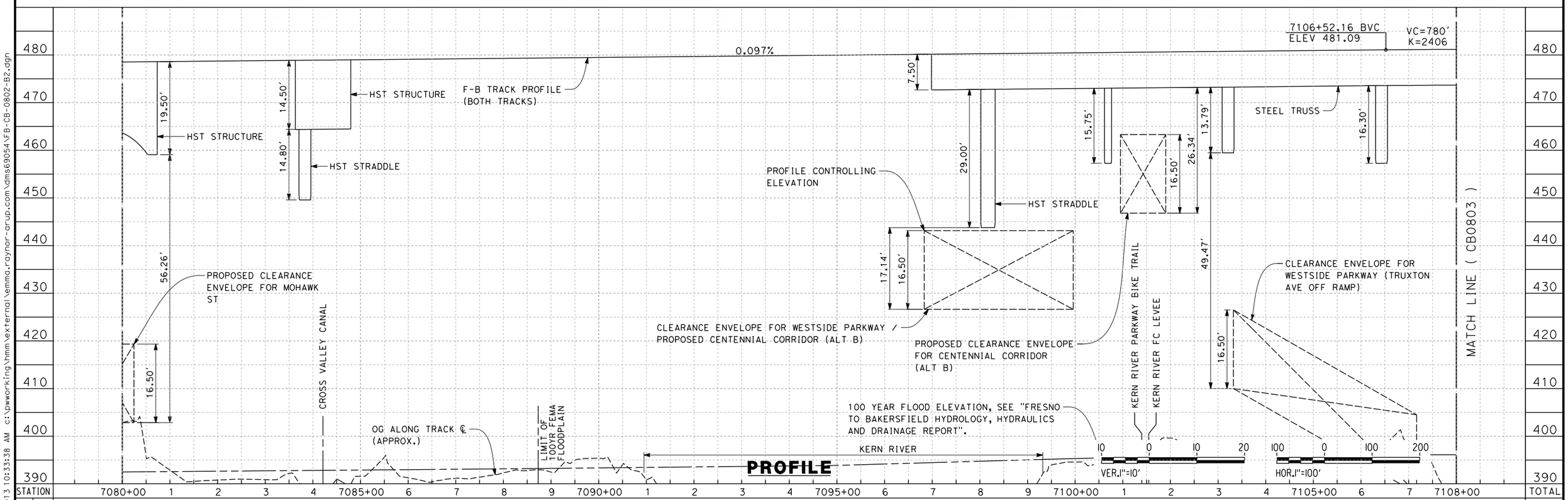


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19508	7.00	2.92	1700/1707	17087
102	220	19680	7.00	2.84	1693/1700	2375

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7080+00 TO 7108+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0802
SCALE AS SHOWN
SHEET NO. 12 OF 35

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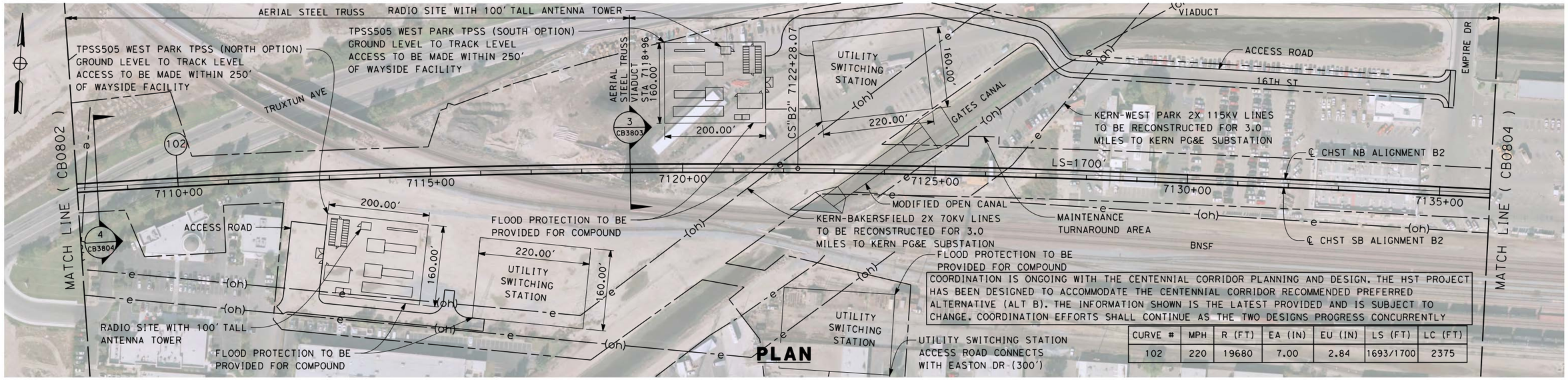
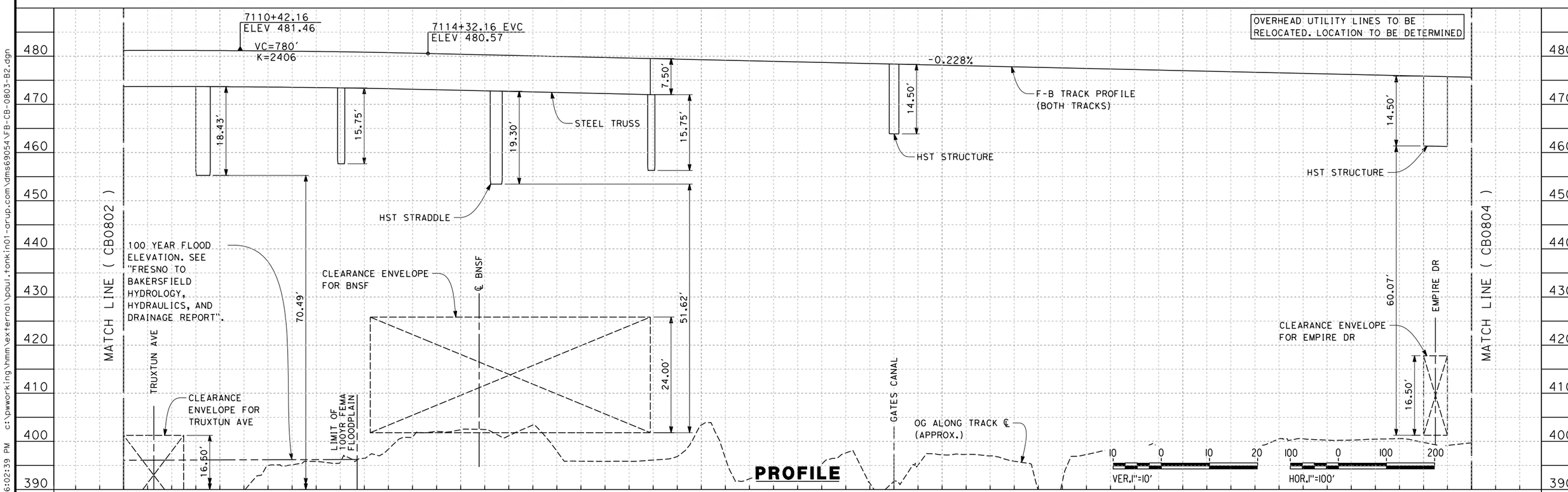


COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE HST PROJECT HAS BEEN DESIGNED TO ACCOMMODATE THE CENTENNIAL CORRIDOR RECOMMENDED PREFERRED ALTERNATIVE (ALT B). THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	220	19680	7.00	2.84	1693/1700	2375



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7108+00 TO 7136+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0803
SCALE AS SHOWN
SHEET NO. 13 OF 35

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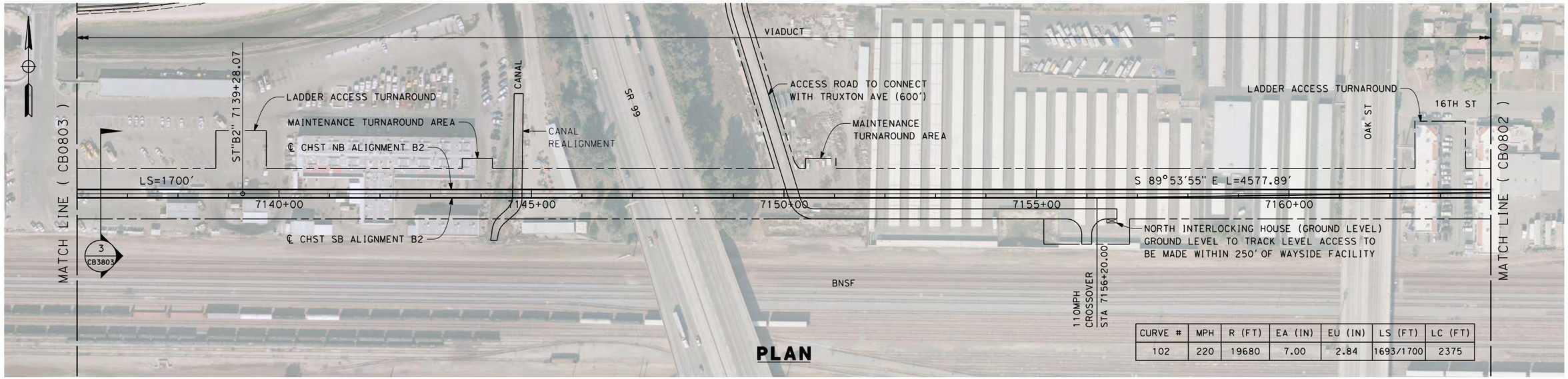
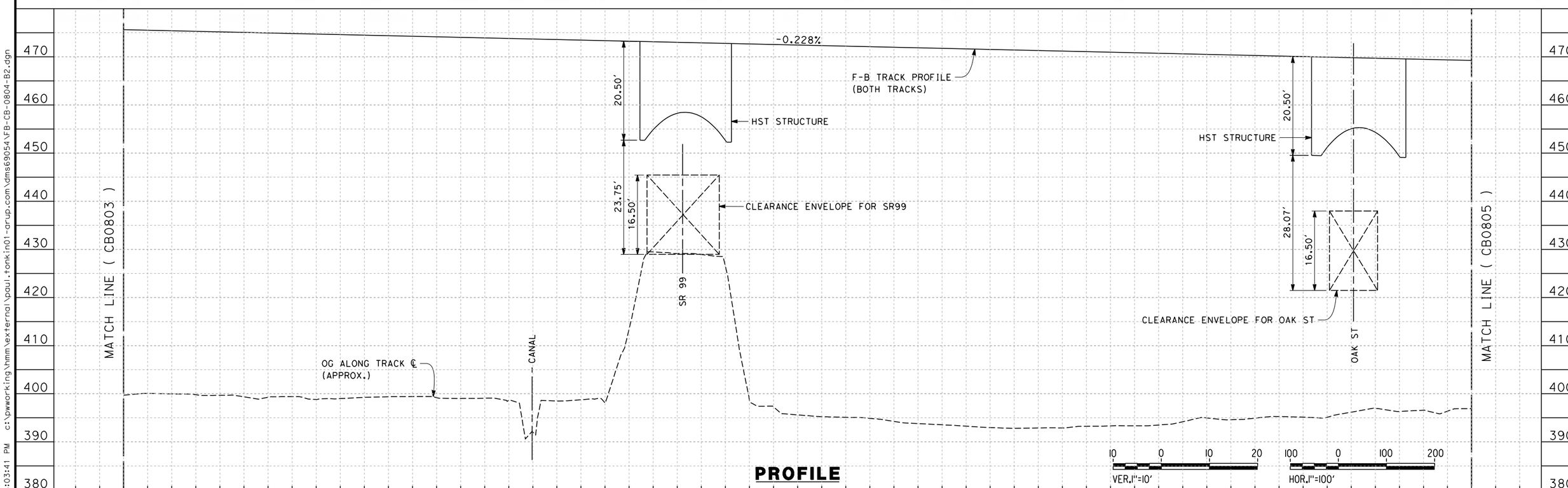


PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	220	19680	7.00	2.84	1693/1700	2375



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

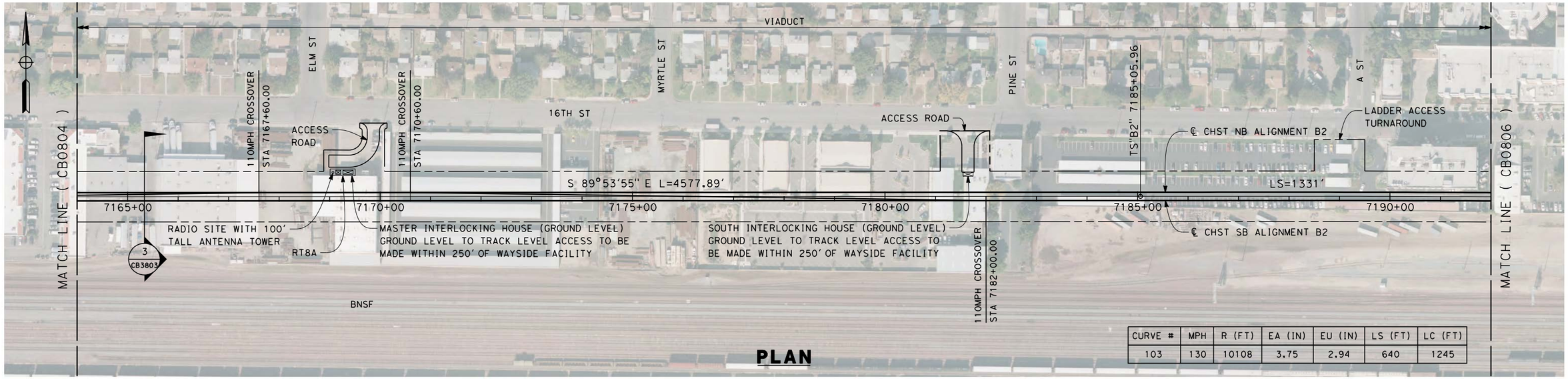
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7136+00 TO 7164+00
PLAN AND PROFILE

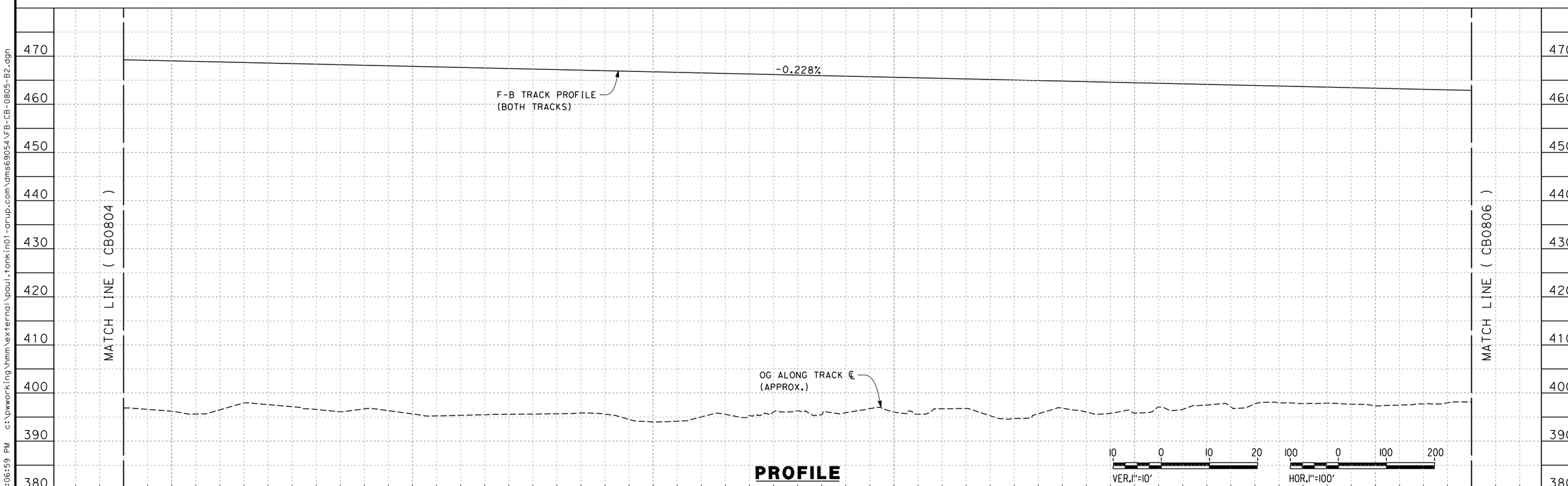
CONTRACT NO. HSR 06-0003
DRAWING NO. CB0804
SCALE AS SHOWN
SHEET NO. 14 OF 35

paul.tonkin 12/11/2013 6:03:41 PM c:\pwworking\hmm\external\paul.tonkin01-arup.com\dms69054\FB-CB-0804-B2.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
103	130	10108	3.75	2.94	640	1245

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7164+00 TO 7192+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0805
SCALE AS SHOWN
SHEET NO. 15 OF 35

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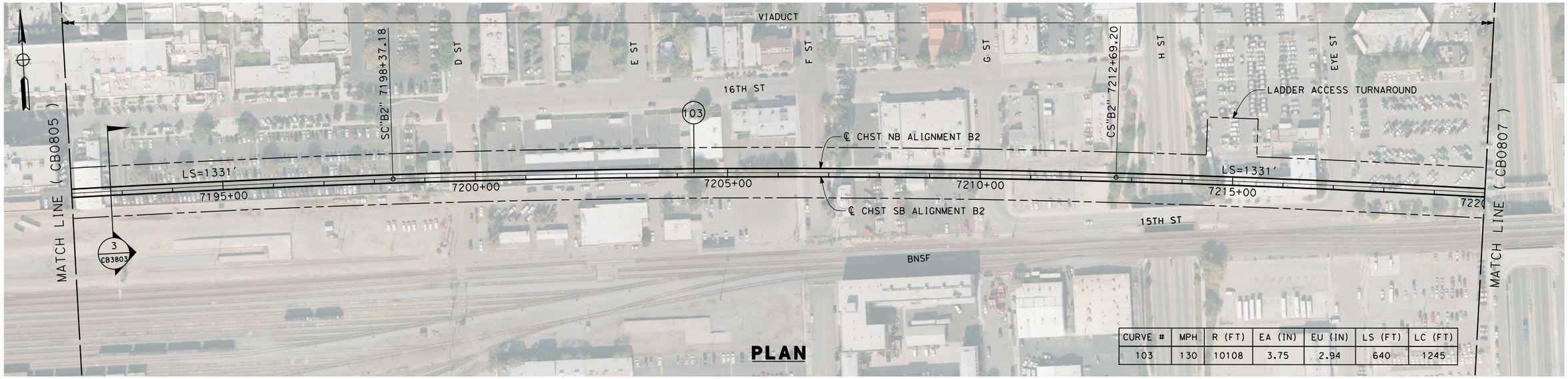
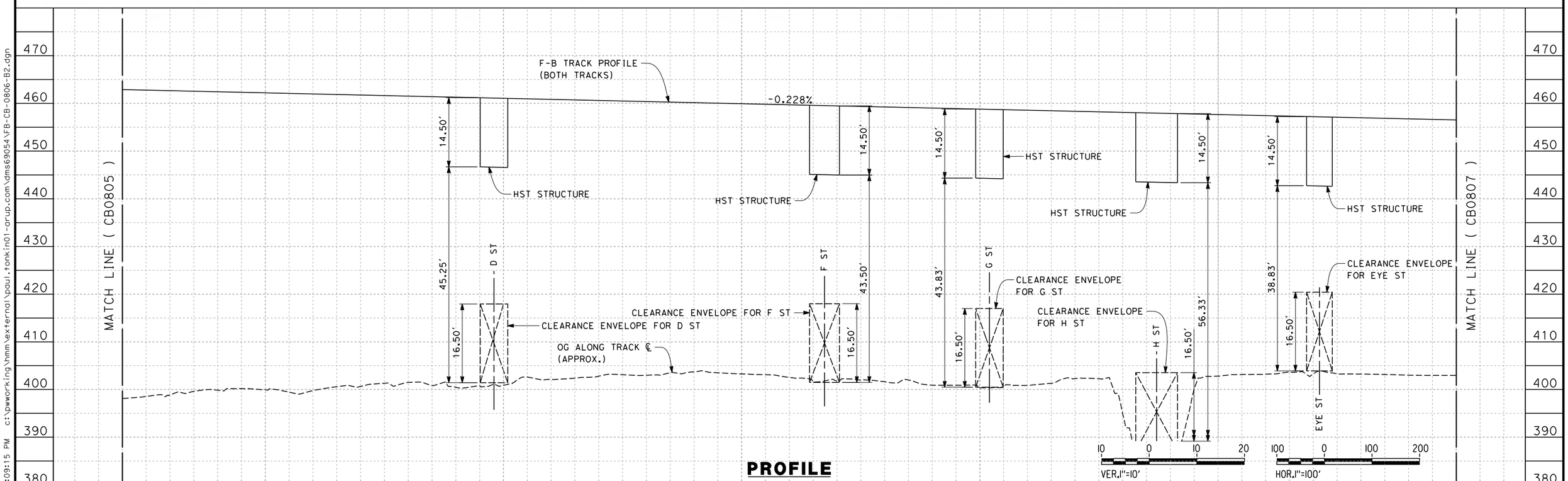


PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
103	130	10108	3.75	2.94	640	1245



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7192+00 TO 7220+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0806
SCALE AS SHOWN
SHEET NO. 16 OF 35

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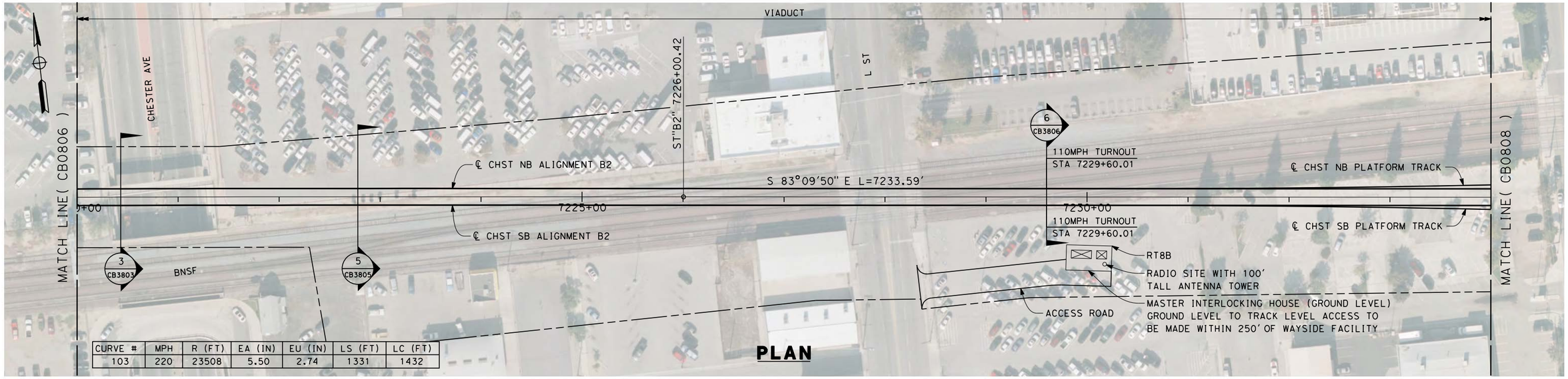

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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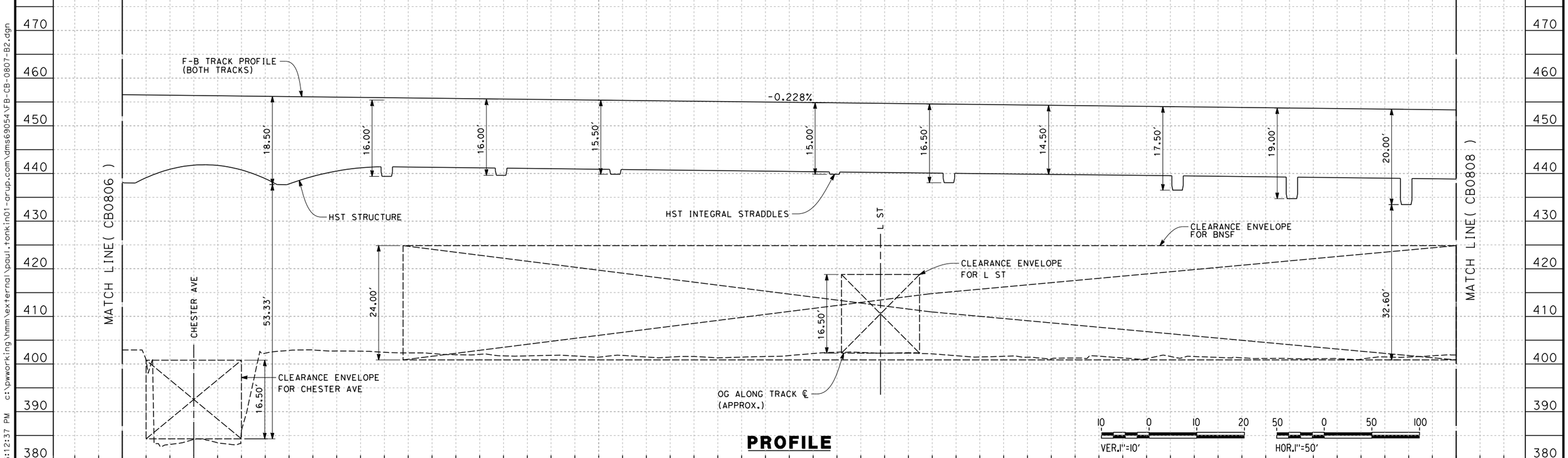
PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7220+00 TO 7234+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0807
SCALE AS SHOWN
SHEET NO. 17 OF 35

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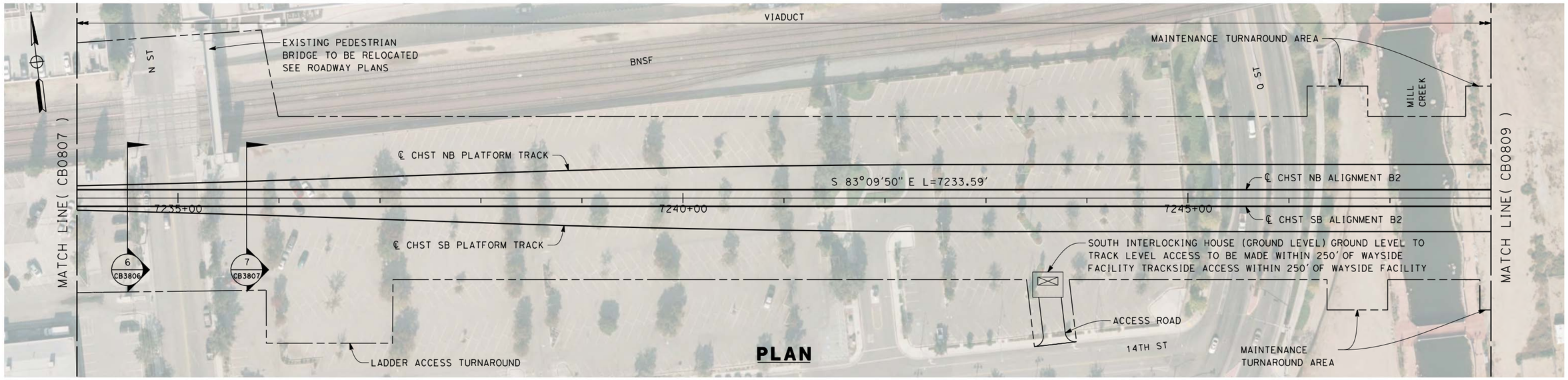

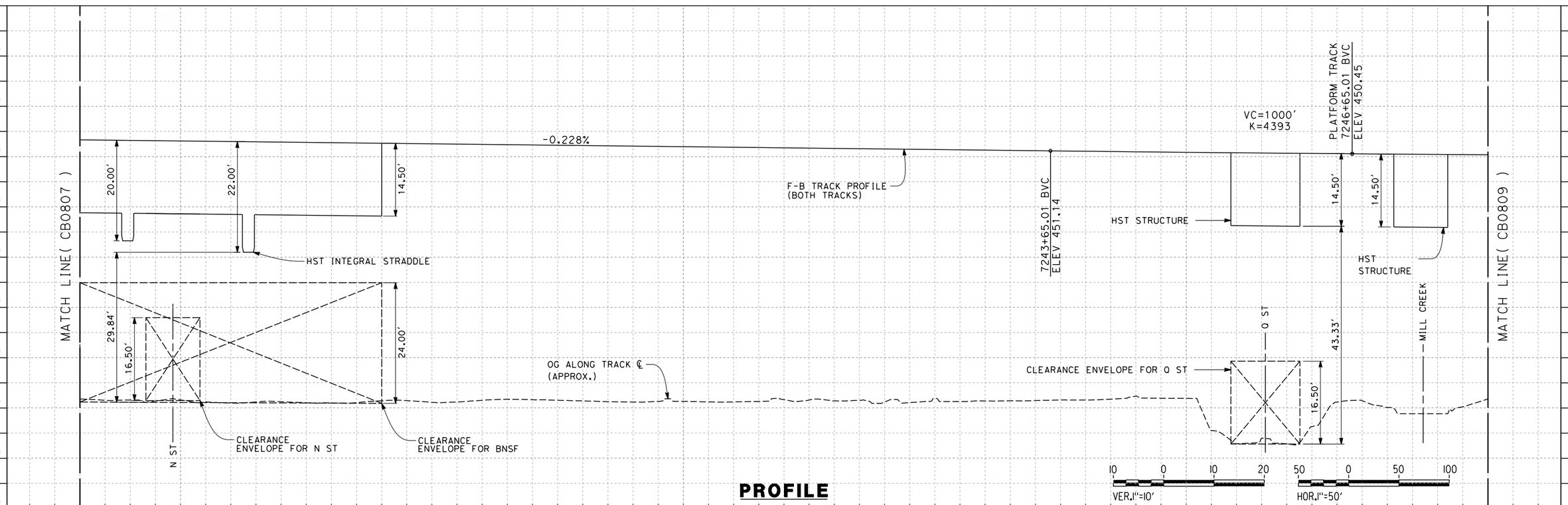

STATION	7234+00	7235+00	6	7	8	9	7240+00	1	2	3	4	7245+00	6	7	7248+00	TOTAL
CY Exc																
CY Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7234+00 TO 7248+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0808
SCALE AS SHOWN
SHEET NO. 18 OF 35

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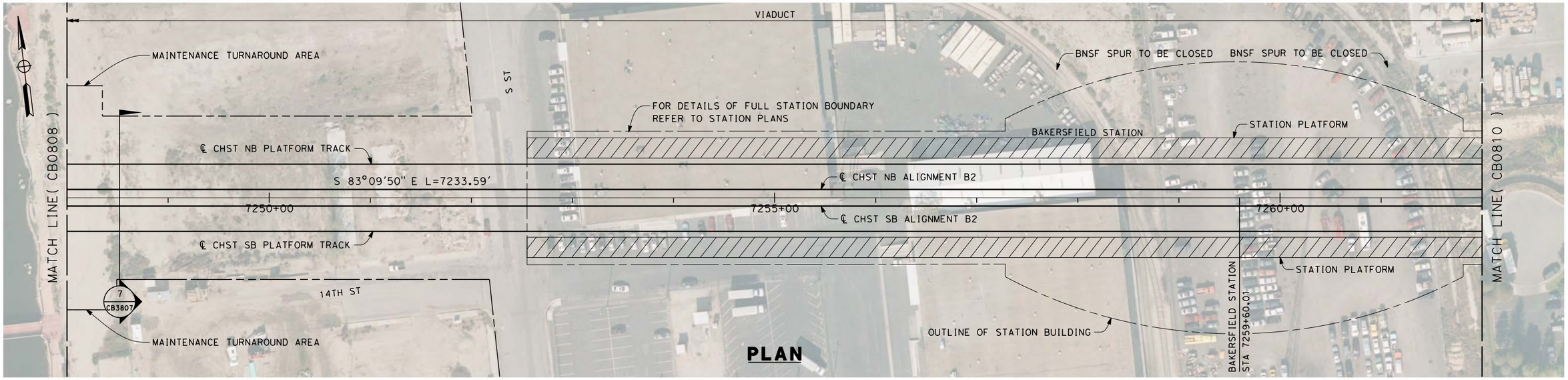
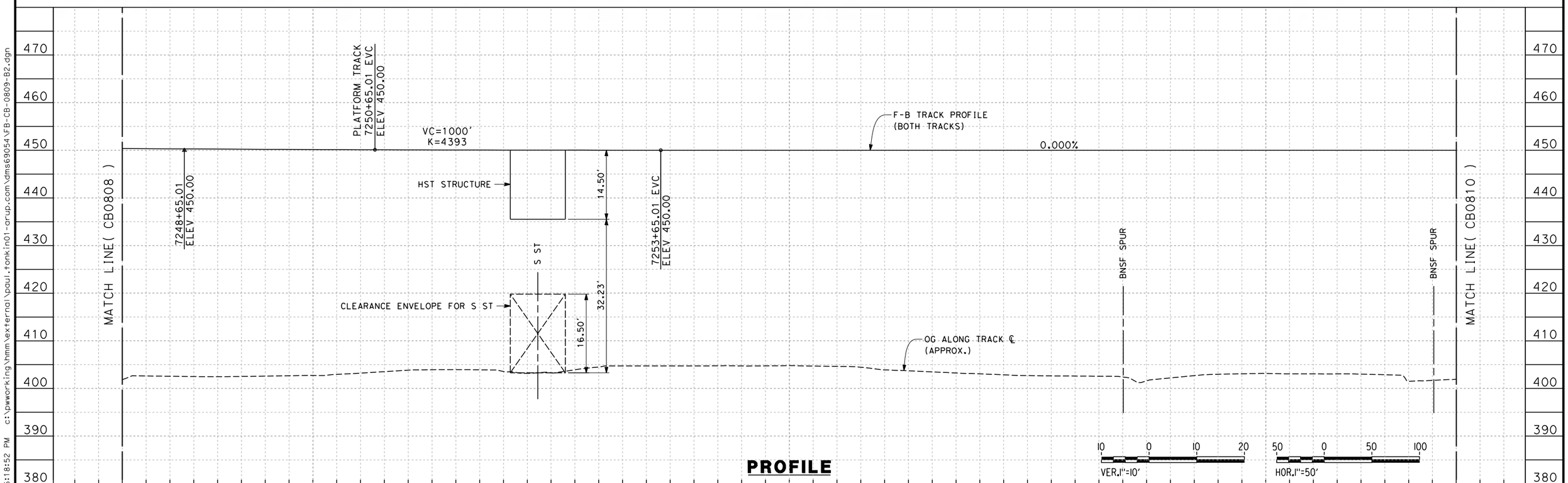
emma.raynor





REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7248+00 TO 7262+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0809
SCALE AS SHOWN
SHEET NO. 19 OF 35

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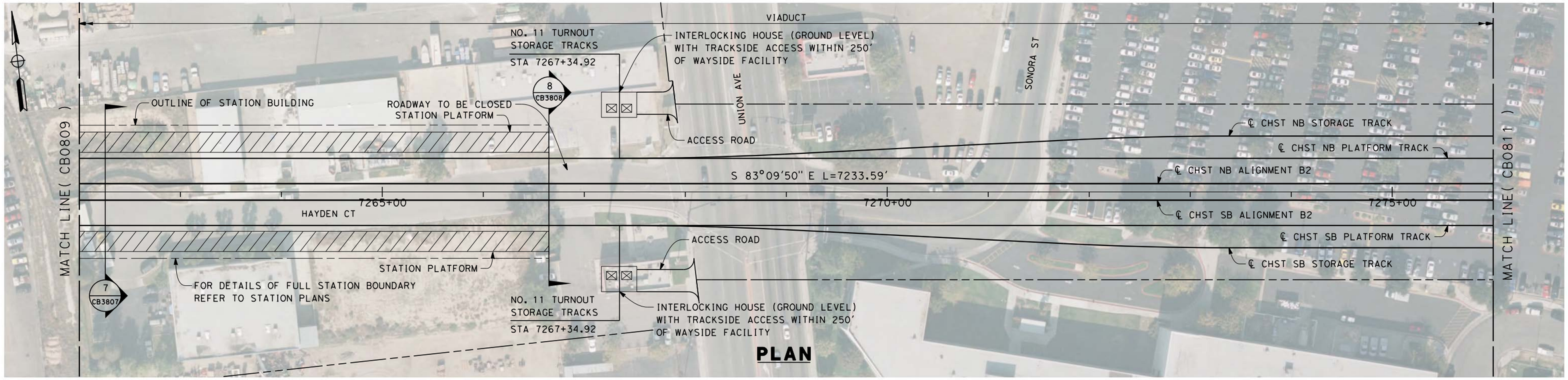
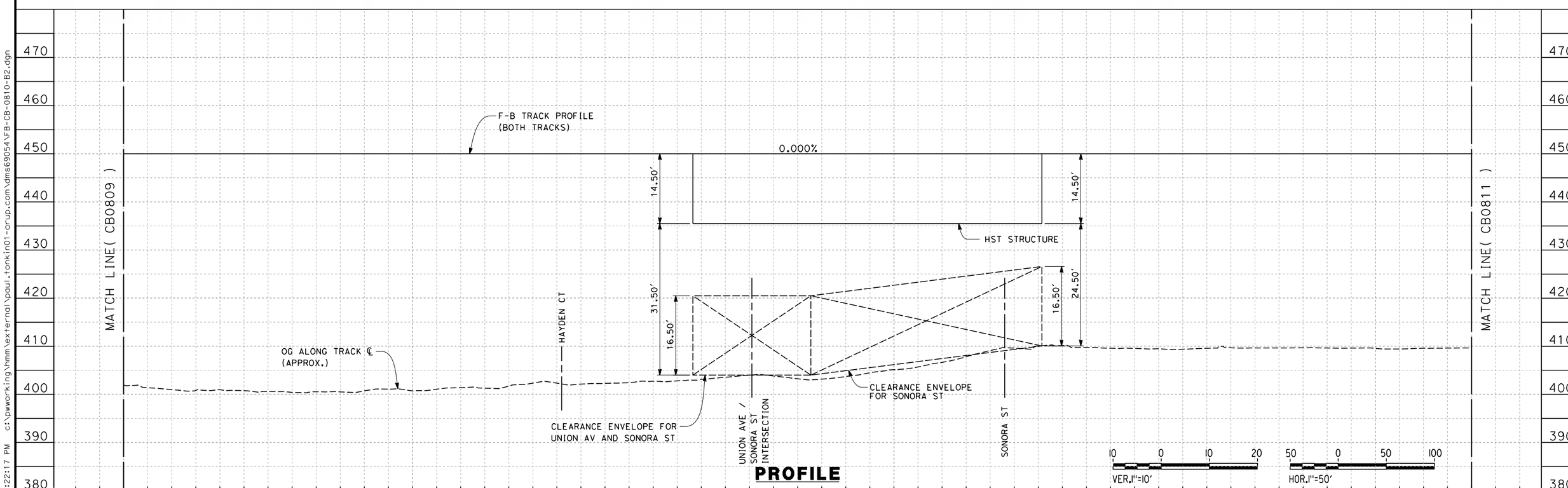


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7262+00 TO 7276+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0810
SCALE AS SHOWN
SHEET NO. 20 OF 35

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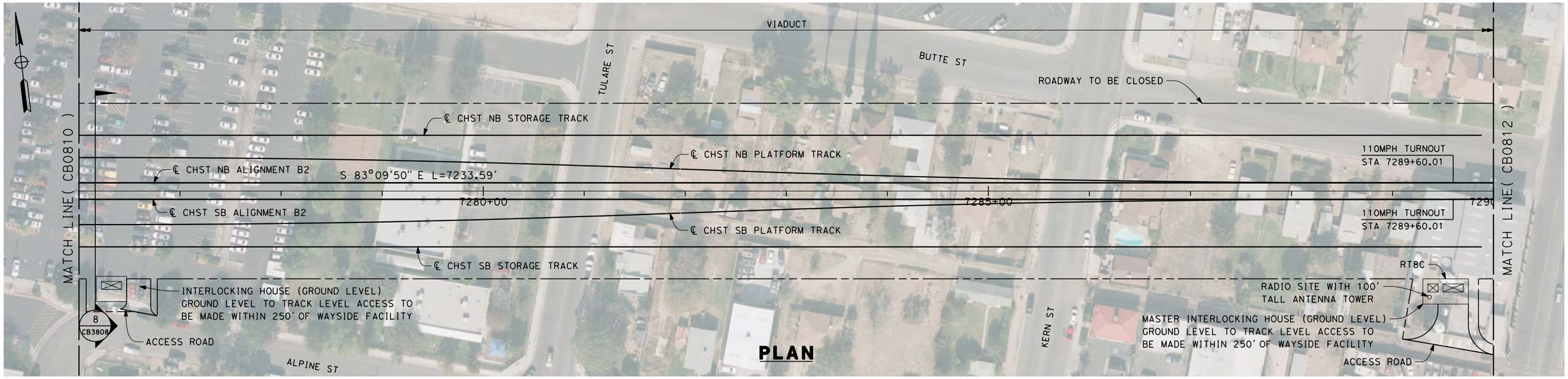
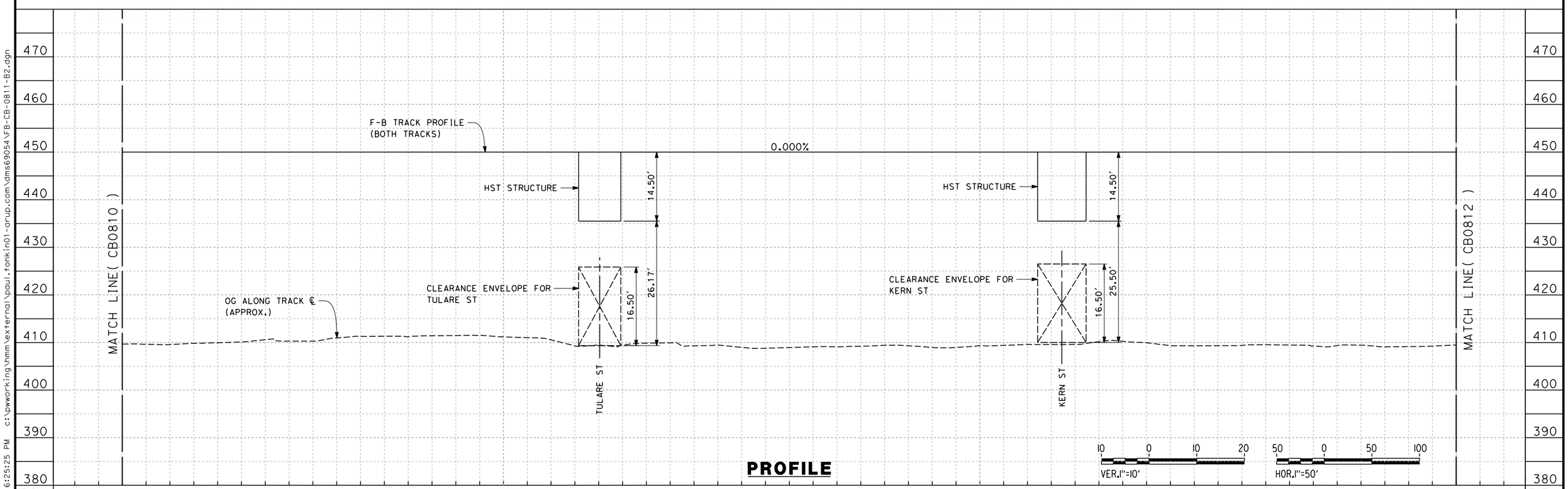


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7276+00 TO 7290+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0811
SCALE AS SHOWN
SHEET NO. 21 OF 35

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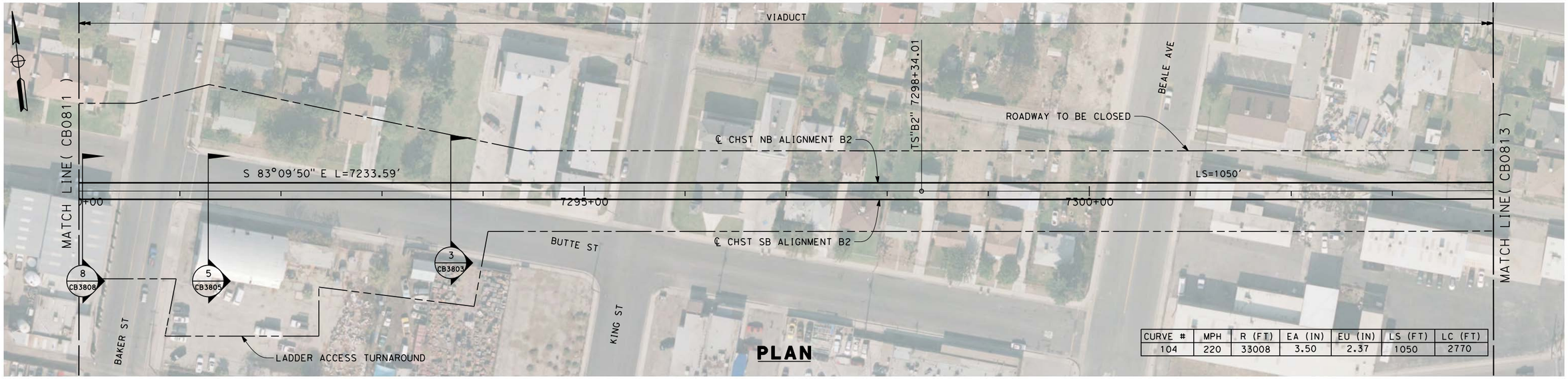

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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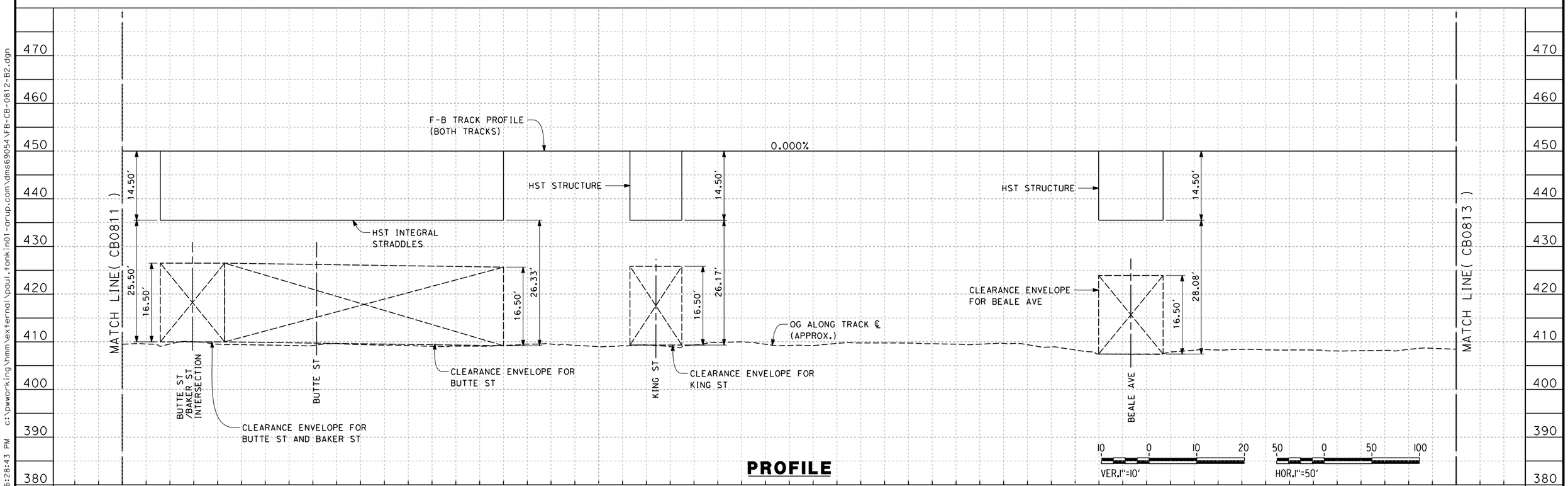
PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7290+00 TO 7304+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0812
SCALE AS SHOWN
SHEET NO. 22 OF 35

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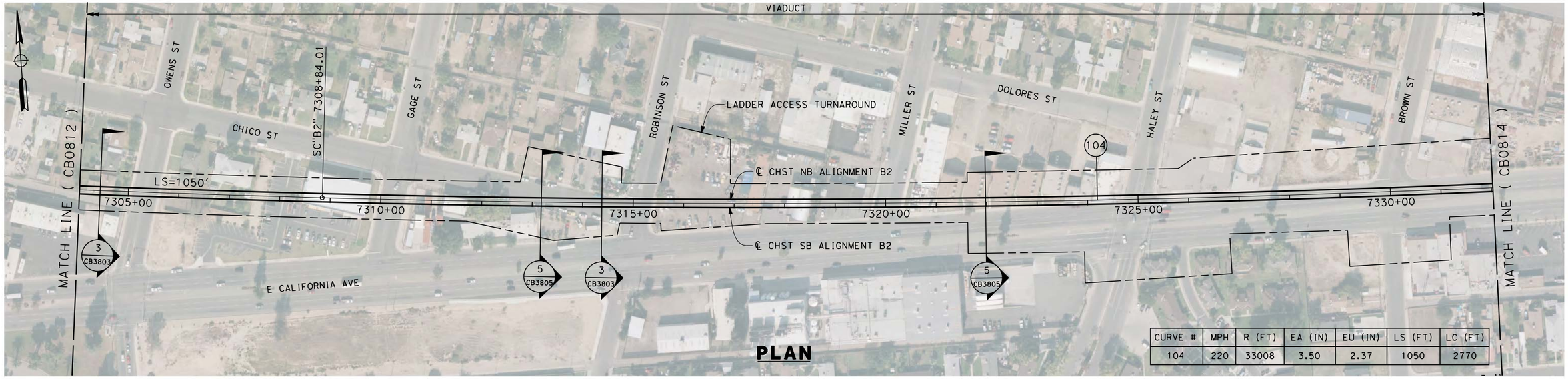
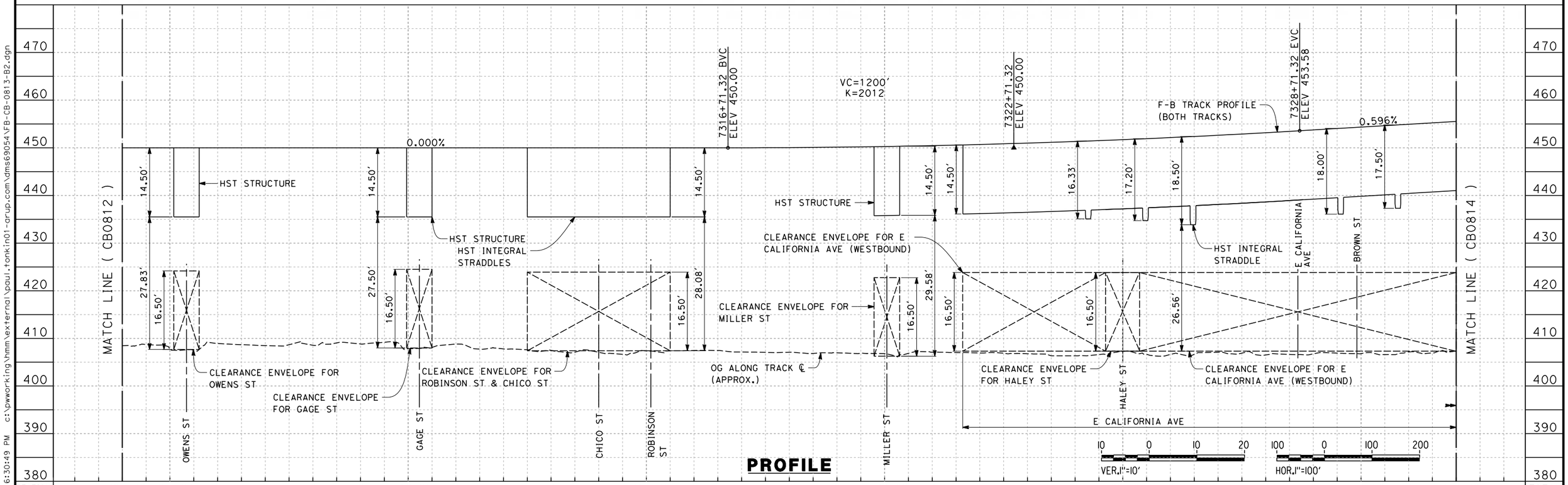


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
104	220	33008	3.50	2.37	1050	2770

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7304+00 TO 7332+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0813
SCALE AS SHOWN
SHEET NO. 23 OF 35

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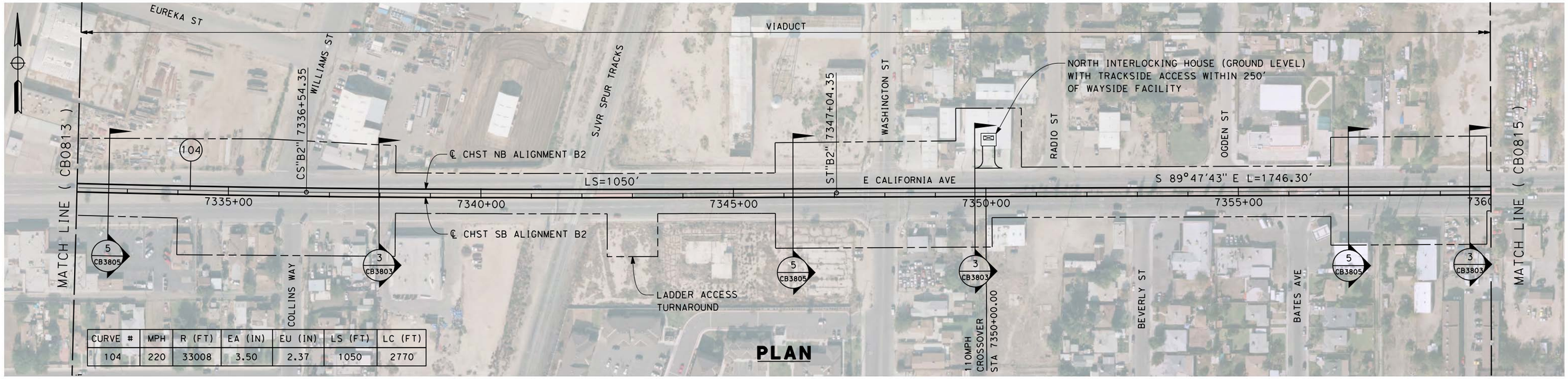
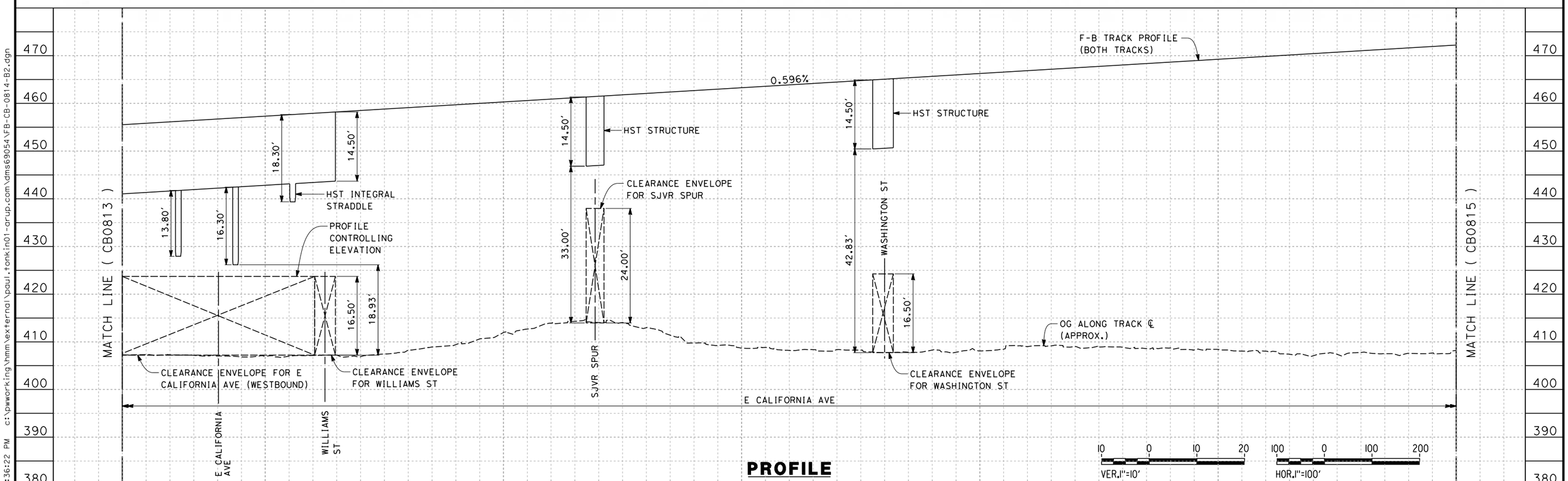


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
104	220	33008	3.50	2.37	1050	2770

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7332+00 TO 7360+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0814
SCALE AS SHOWN
SHEET NO. 24 OF 35

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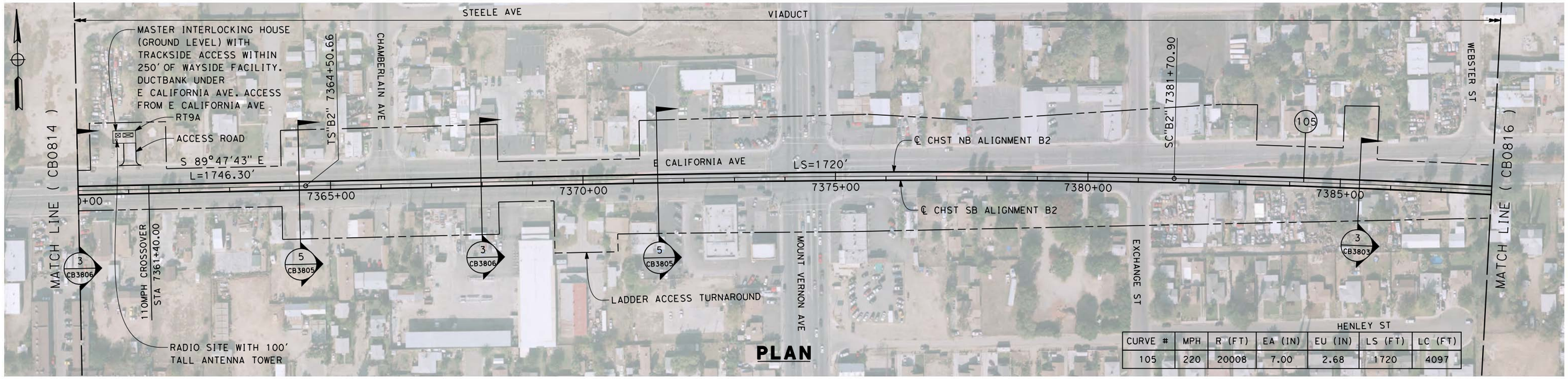

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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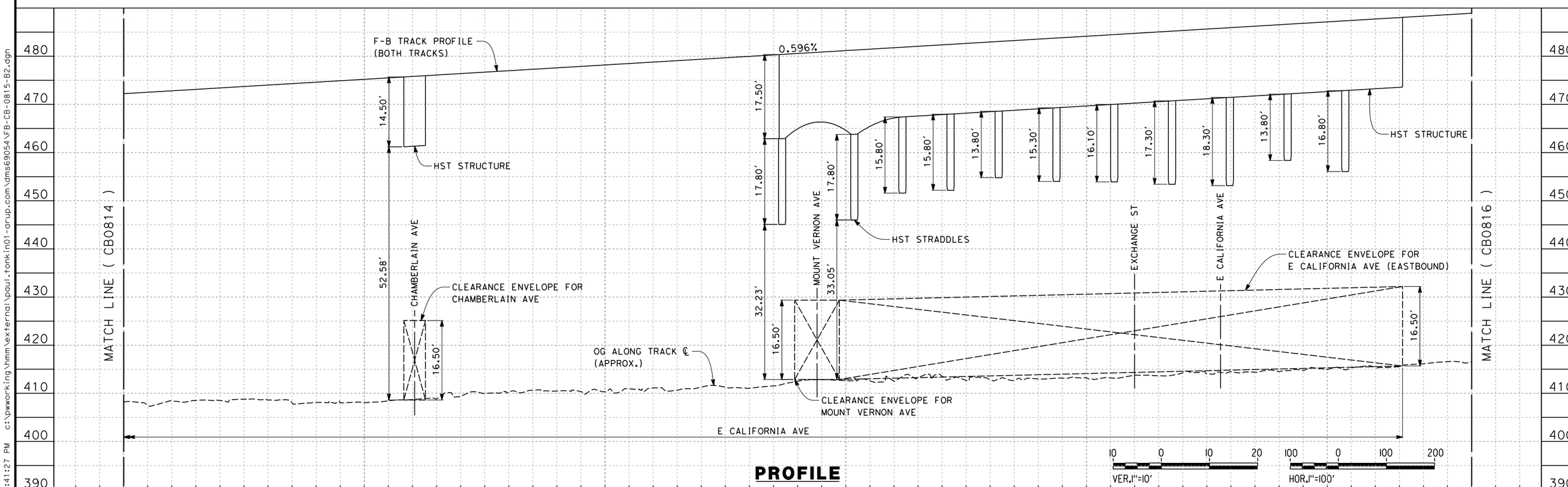

STATION	7360+00	1	2	3	4	7365+00	6	7	8	9	7370+00	1	2	3	4	7375+00	6	7	8	9	7380+00	1	2	3	4	7385+00	6	7	7388+00	TOTAL
CY Exc																														
CY Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7360+00 TO 7388+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0815
SCALE AS SHOWN
SHEET NO. 25 OF 35

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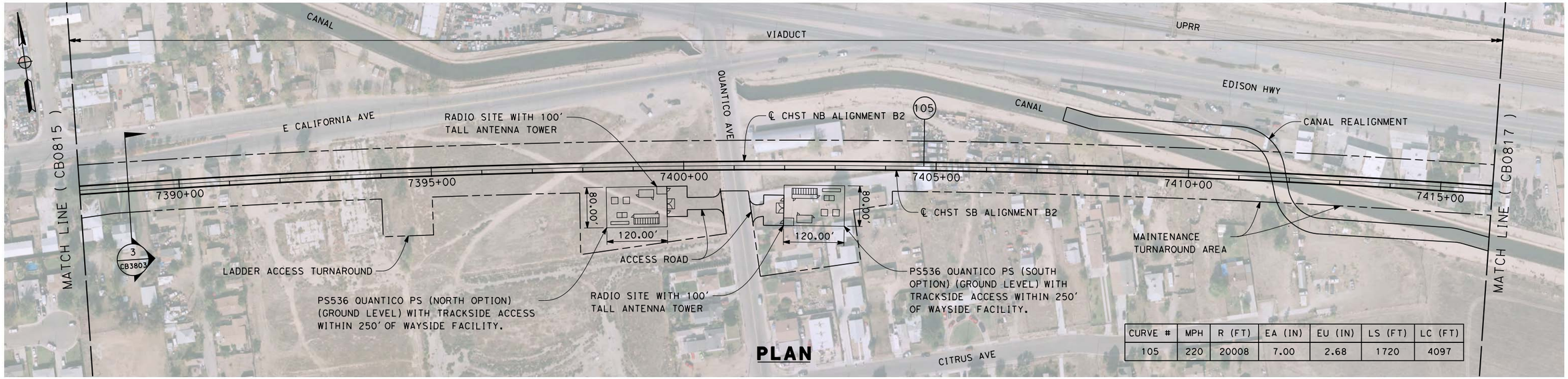
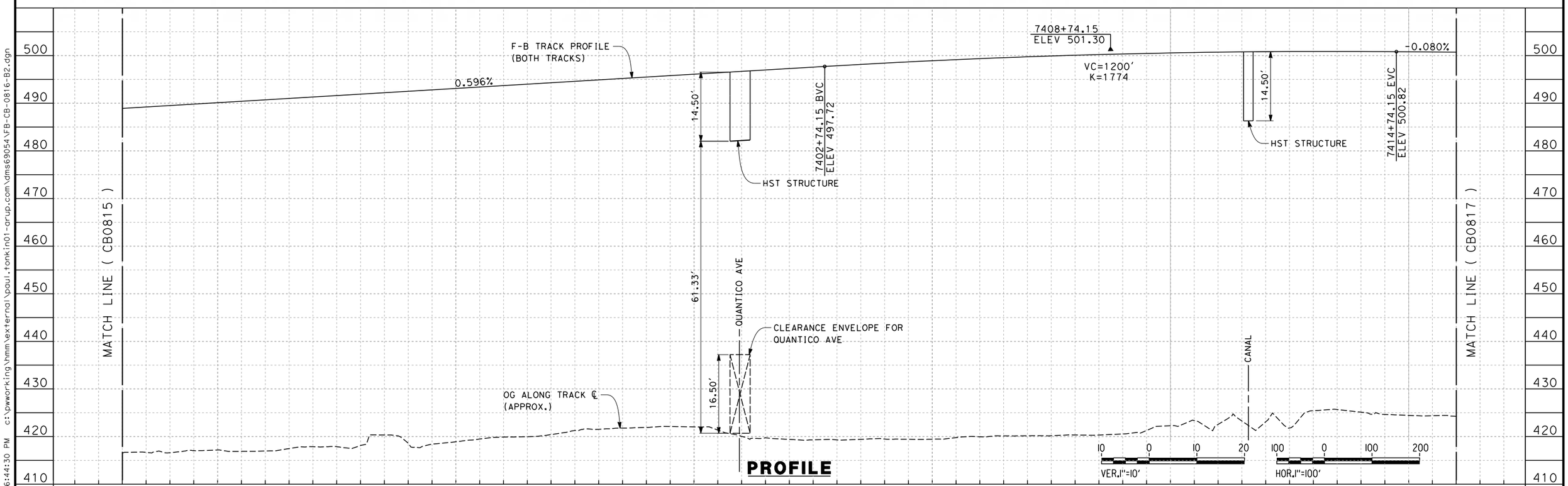


PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
105	220	20008	7.00	2.68	1720	4097



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7388+00 TO 7416+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0816
SCALE AS SHOWN
SHEET NO. 26 OF 35

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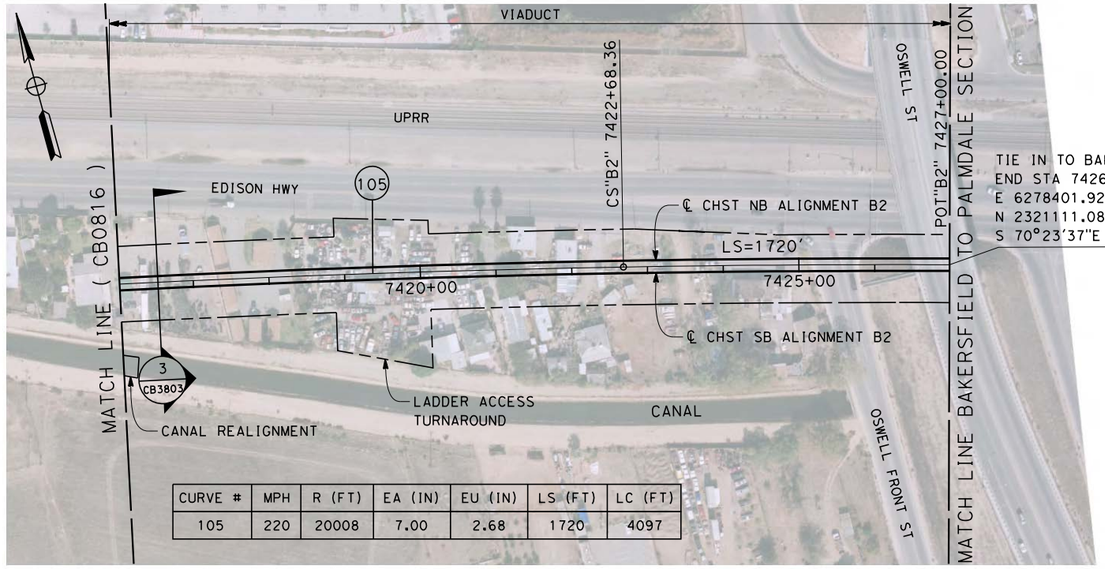
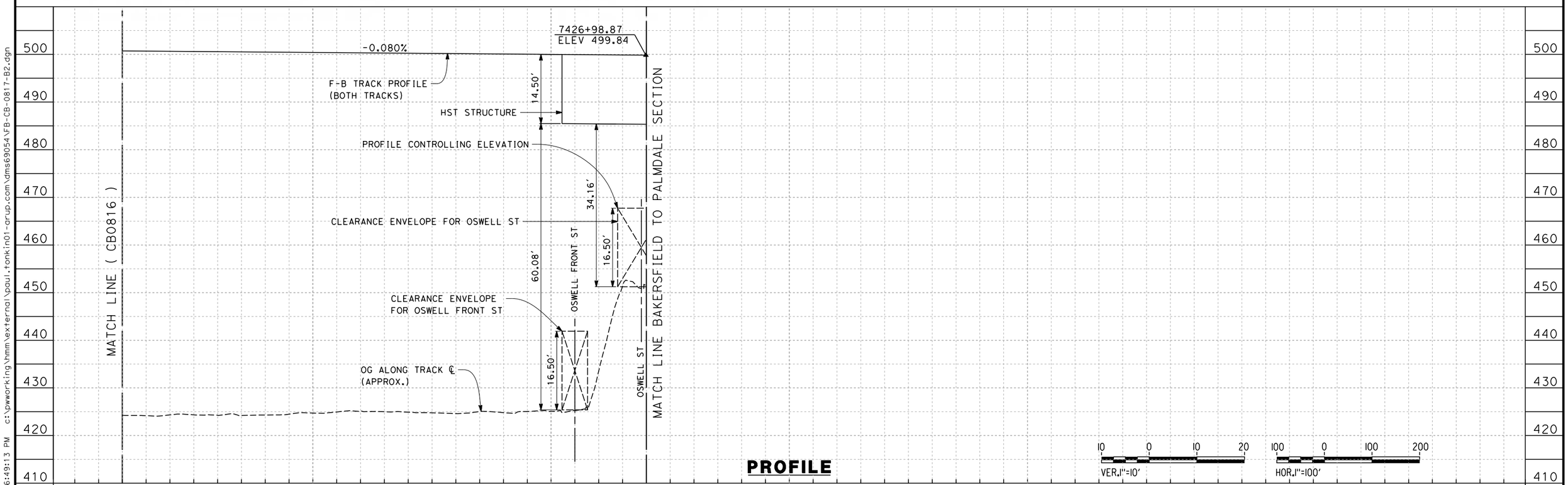
paul.tonkin



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
105	220	20008	7.00	2.68	1720	4097

TIE IN TO BAKERSFIELD TO PALMDALE SECTION
END STA 7426+98.87 (B2) ELEV 499.84
E 6278401.92
N 2321111.08
S 70°23'37"E

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

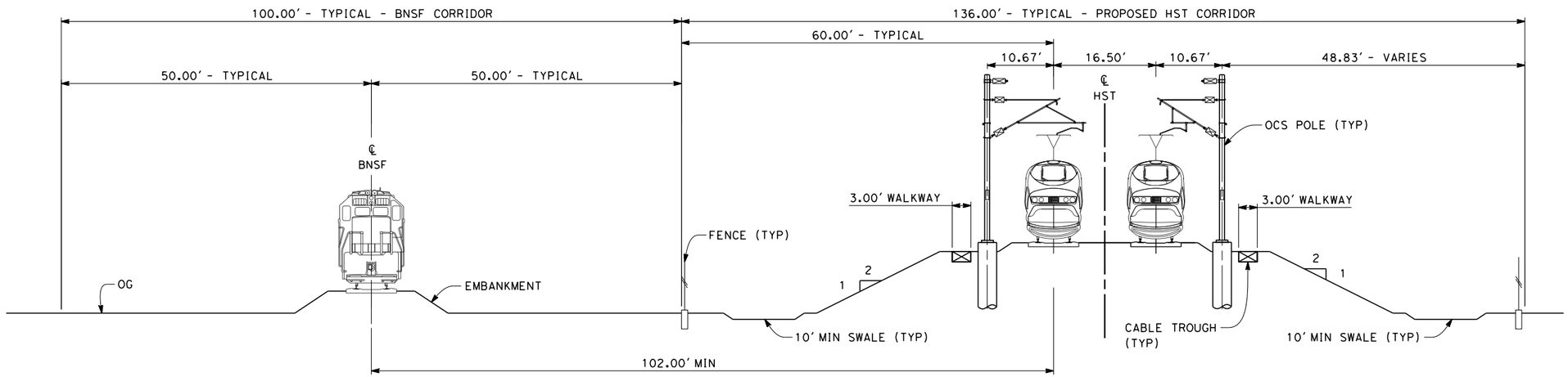
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7416+00 TO 7426+98.87
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0817
SCALE AS SHOWN
SHEET NO. 27 OF 35

paul.tonkin 12/11/2013 6:49:13 PM c:\pwworking\hmm\external\paul.tonkin01-arup.com\dms69054\FB-CB-0817-B2.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. BNSF RELOCATED BEYOND STATION 6829+81.00
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPEREVELATION IS SHOWN IN THE CURVE DATA TABLES.
4. INDICATIVE BNSF RELOCATION SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



SECTION 1

TWIN TRACK - ADJACENT TO BNSF TRACK
STA 6799+52 THROUGH STA 6805+28
STA 6808+46 THROUGH STA 6923+00

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

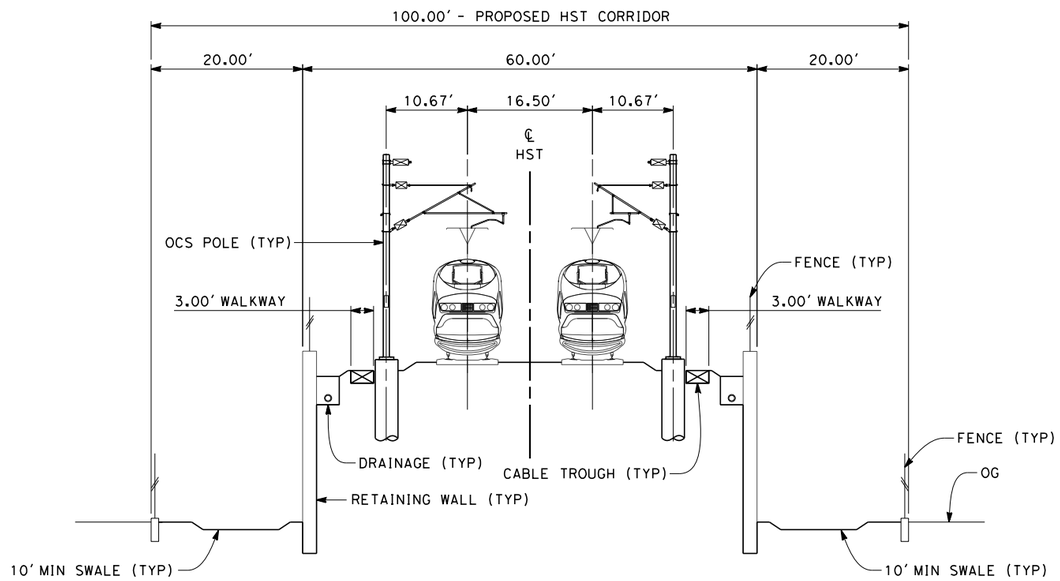
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3801
SCALE AS SHOWN
SHEET NO. 28 OF 35

paul.tonkin 12/11/2013 6:50:15 PM c:\pwworking\hmm\external\paul.tonkin01-arup.com\dms69054\FB-CB-3801-B2.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 2

TWIN TRACK ON RETAINED EMBANKMENT
STA 6923+00 THROUGH STA 6930+70

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3802
SCALE AS SHOWN
SHEET NO. 29 OF 35

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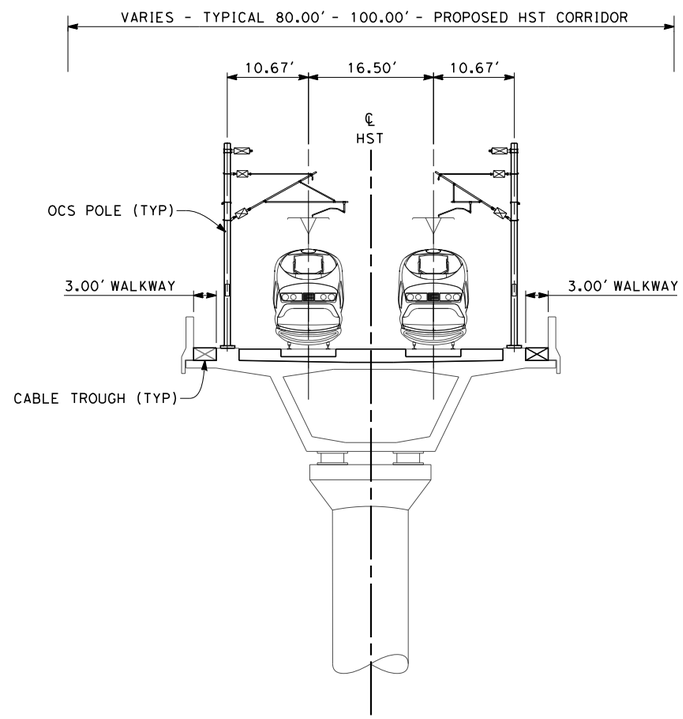
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3

TWIN TRACK - AERIAL VIADUCT
STA 6930+70 THROUGH STA 6943+72
STA 6946+94 THROUGH STA 7011+14
STA 7024+14 THROUGH STA 7054+14
STA 7058+94 THROUGH STA 7082+84
STA 7085+04 THROUGH STA 7095+65
STA 7118+96 THROUGH STA 7222+78
STA 7293+68 THROUGH STA 7313+18
STA 7314+38 THROUGH STA 7321+98
STA 7337+98 THROUGH STA 7346+18
STA 7349+78 THROUGH STA 7357+18
STA 7359+58 THROUGH STA 7364+38
STA 7367+98 THROUGH STA 7371+48
STA 7385+38 THROUGH STA 7426+99

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3803
SCALE AS SHOWN
SHEET NO. 30 OF 35

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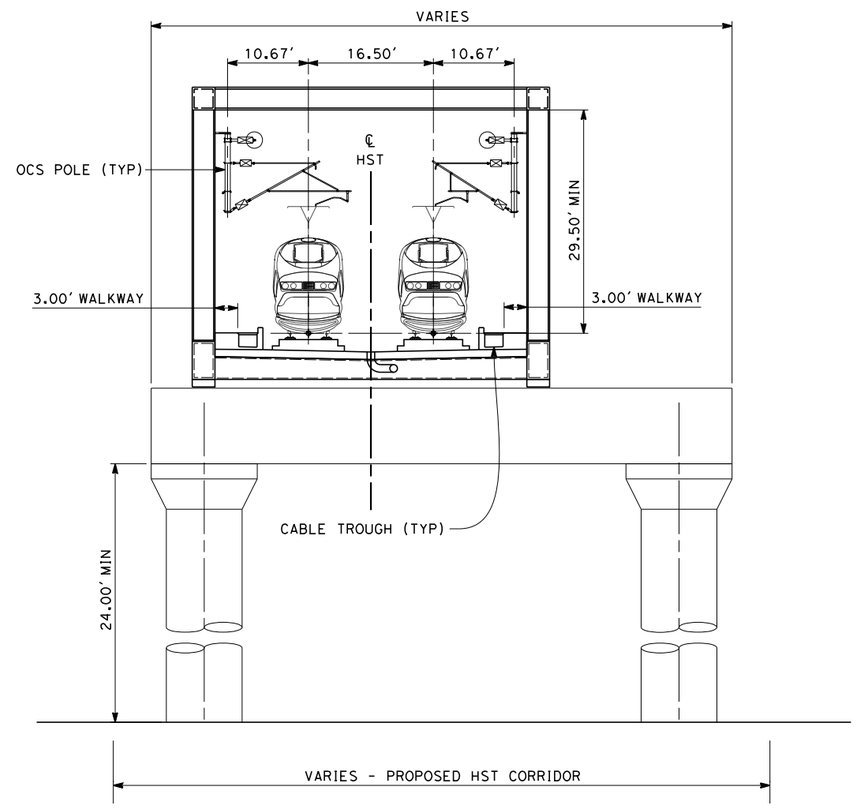
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. STRADDLE BENT ONLY BETWEEN STA 7095+65 TO STA 7118+96.



SECTION 4

TWIN TRACK - TRUSS WITH STRADDLE BENT
STA 6805+28 THROUGH STA 6808+46
STA 6943+72 THROUGH STA 6946+94
STA 7095+65 THROUGH STA 7118+96

10 0 10 20
1"=10′

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3804
SCALE AS SHOWN
SHEET NO. 31 OF 35

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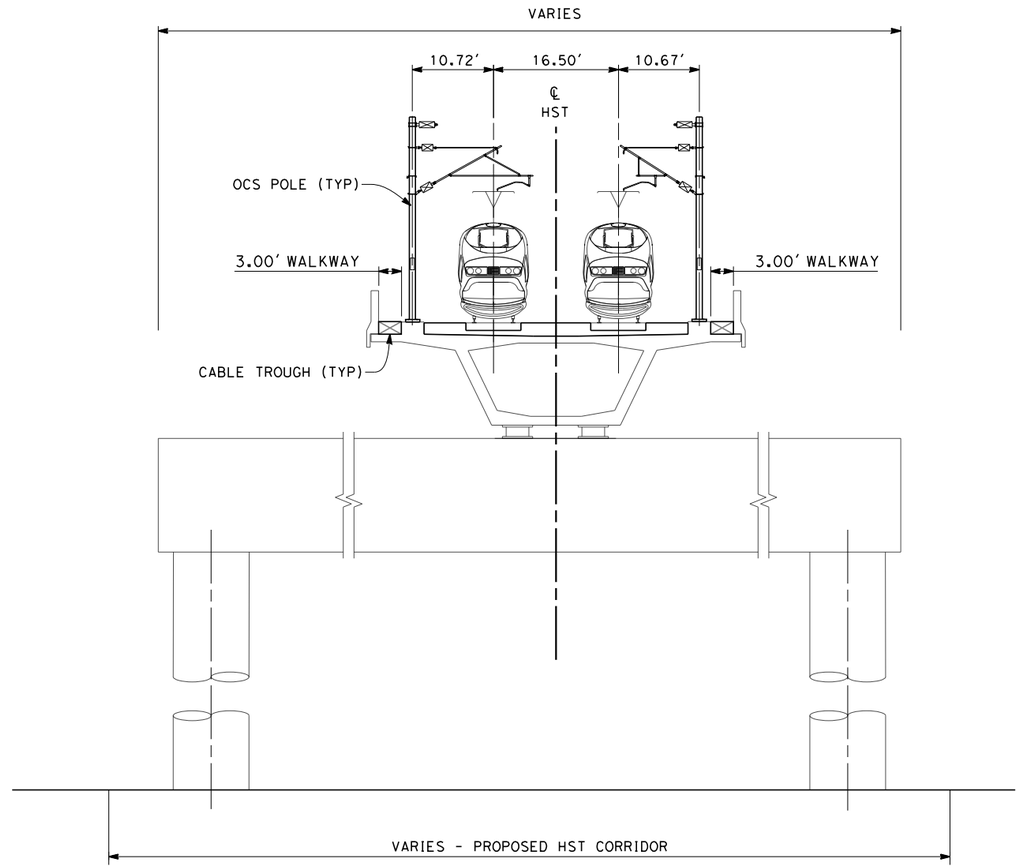
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
4. FOR INTEGRAL STRADDLES REFER TO STRUCTURAL DRAWINGS.



SECTION 5

TWIN TRACK - STRADDLE BENT
STA 7011+14 THROUGH STA 7024+14
STA 7054+14 THROUGH STA 7058+94
STA 7082+84 THROUGH STA 7085+04
STA 7222+78 THROUGH STA 7229+60
STA 7291+28 THROUGH STA 7293+68
STA 7313+18 THROUGH STA 7314+38
STA 7321+98 THROUGH STA 7337+98
STA 7346+18 THROUGH STA 7349+78
STA 7357+18 THROUGH STA 7359+58
STA 7364+38 THROUGH STA 7367+98
STA 7371+48 THROUGH STA 7385+38

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3805
SCALE AS SHOWN
SHEET NO. 32 OF 35

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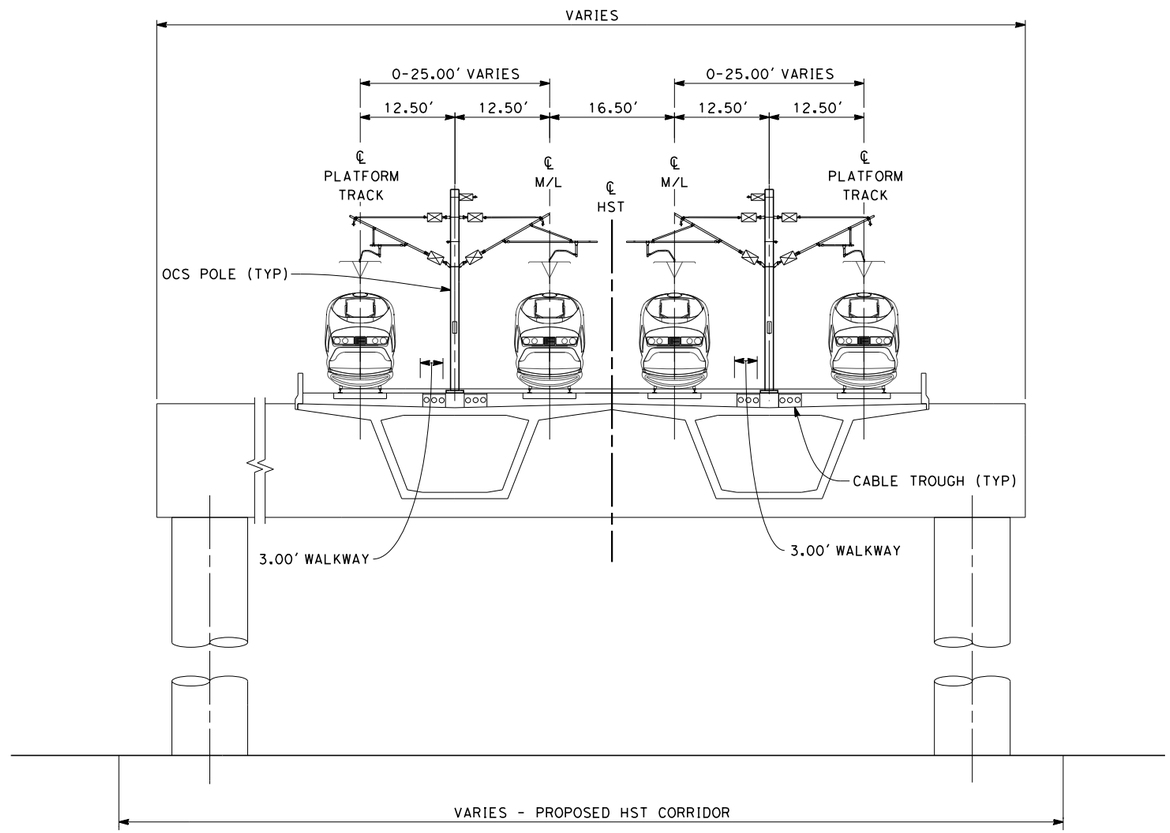
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. DISTANCE BETWEEN TRACKS VARIES FROM 0.00' TO 25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 6

FOUR TRACK - INTEGRAL STRADDLE BENT
STA 7229+60 THROUGH STA 7235+68

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3806
SCALE AS SHOWN
SHEET NO. 33 OF 35

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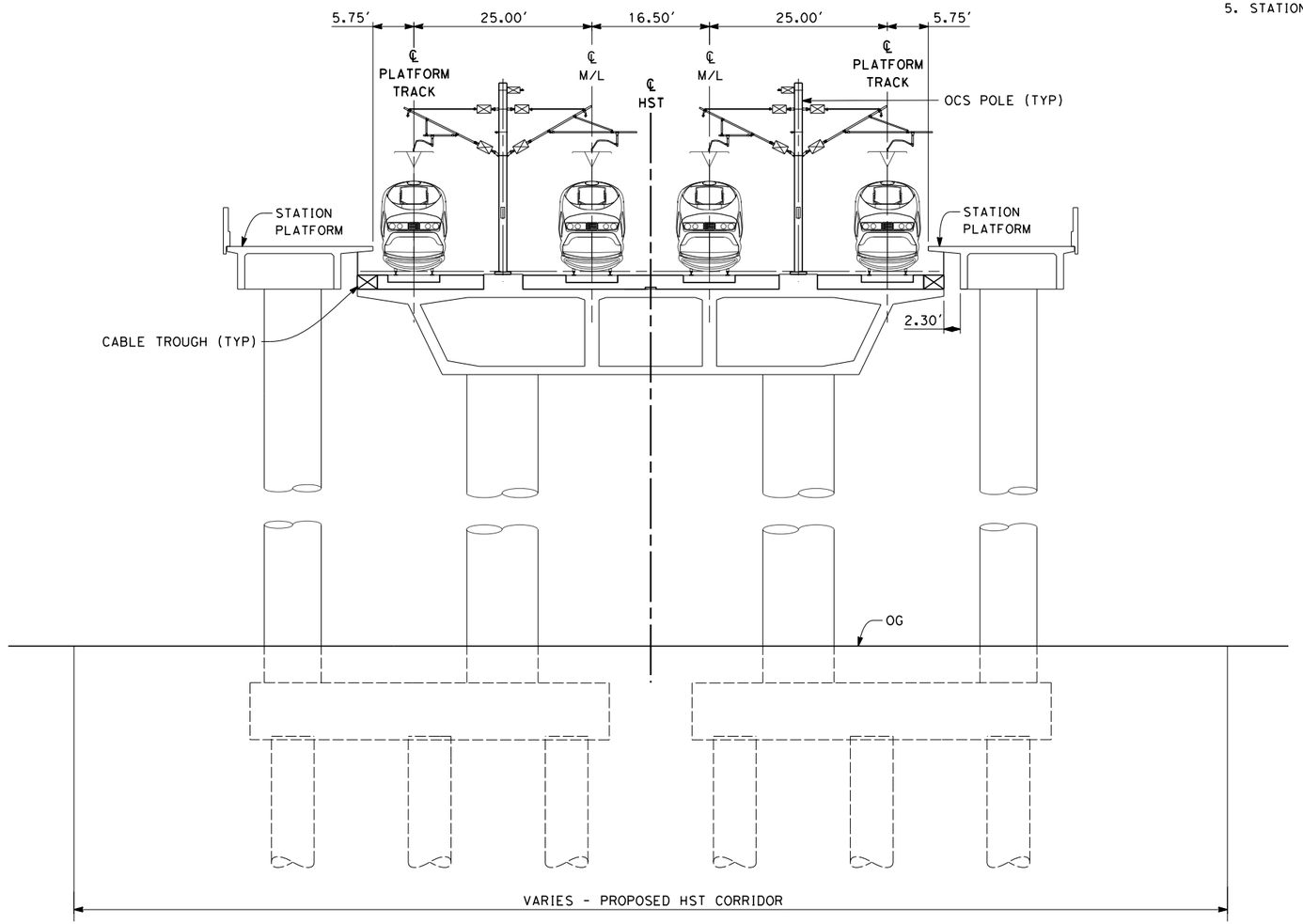
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.
5. STATION PLATFORMS LOCATED BETWEEN STA 7252+55 TO STA 7266+65.



SECTION 7

FOUR TRACK - ELEVATED STATION
STA 7235+68 THROUGH STA 7266+65

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3807
SCALE AS SHOWN
SHEET NO. 34 OF 35

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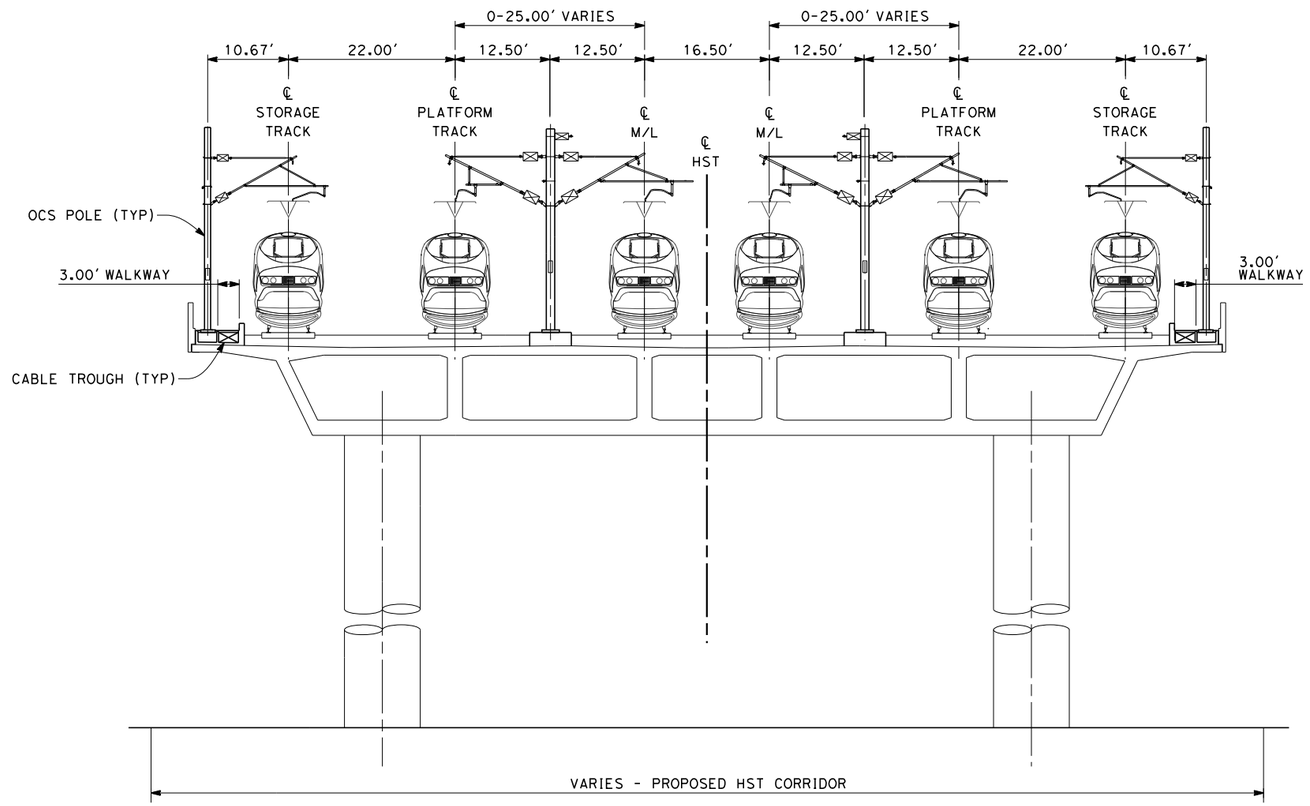
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. DISTANCE BETWEEN PLATFORM AND STORAGE TRACKS VARIES FROM 0.00' TO 22.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 8

SIX TRACK - ELEVATED BOX GIRDER
STA 7266+65 THROUGH STA 7291+28

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3808
SCALE AS SHOWN
SHEET NO. 35 OF 35

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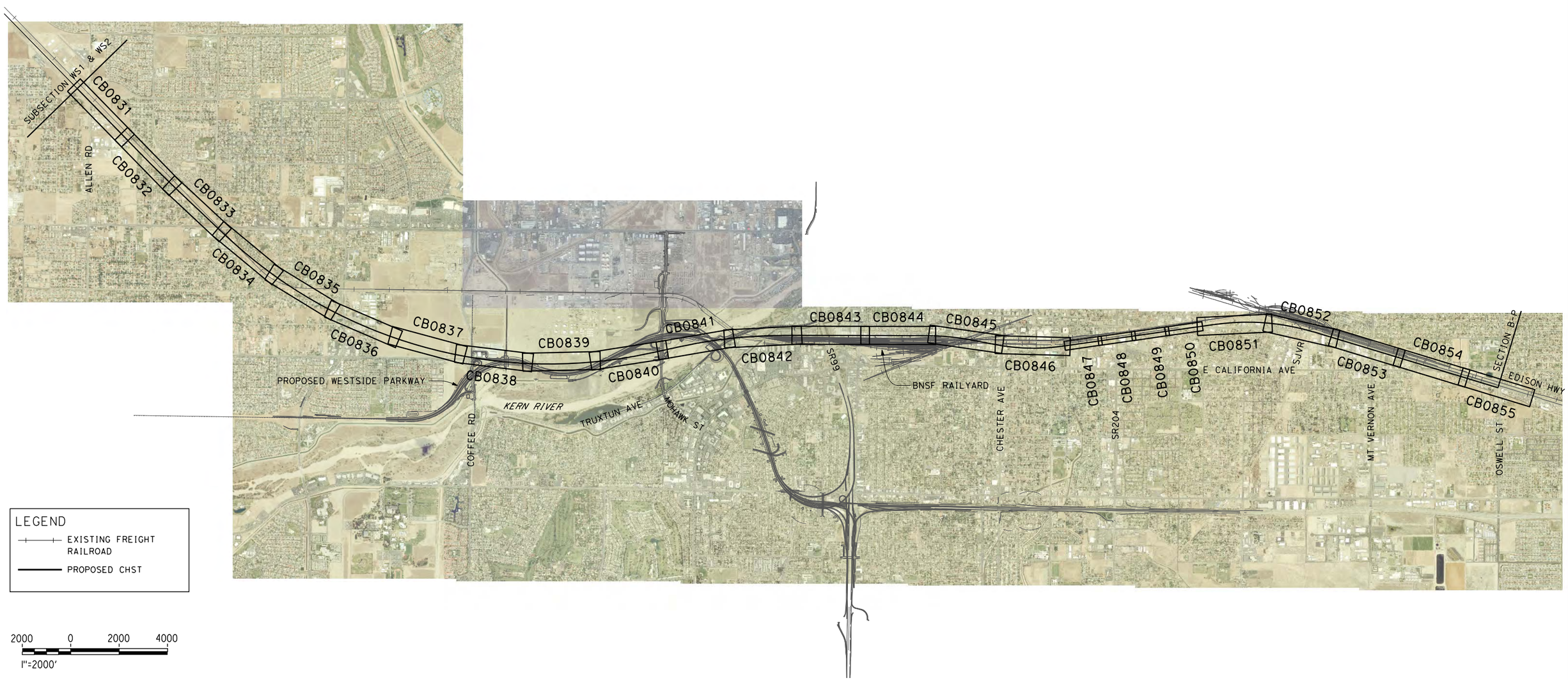

LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

2000 0 2000 4000

1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6799+52.58 TO 7430+49.81
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0830
SCALE AS SHOWN
SHEET NO. 1 OF 31

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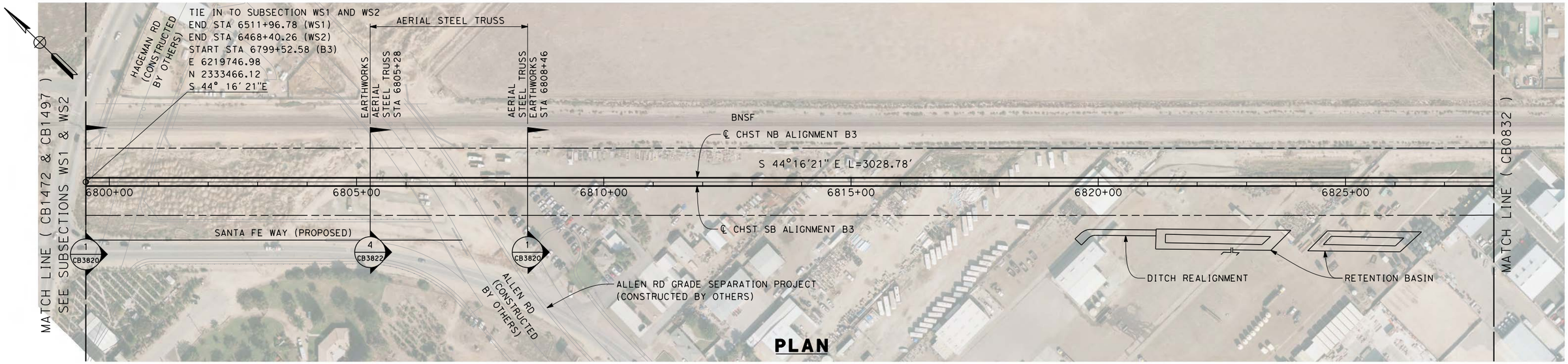

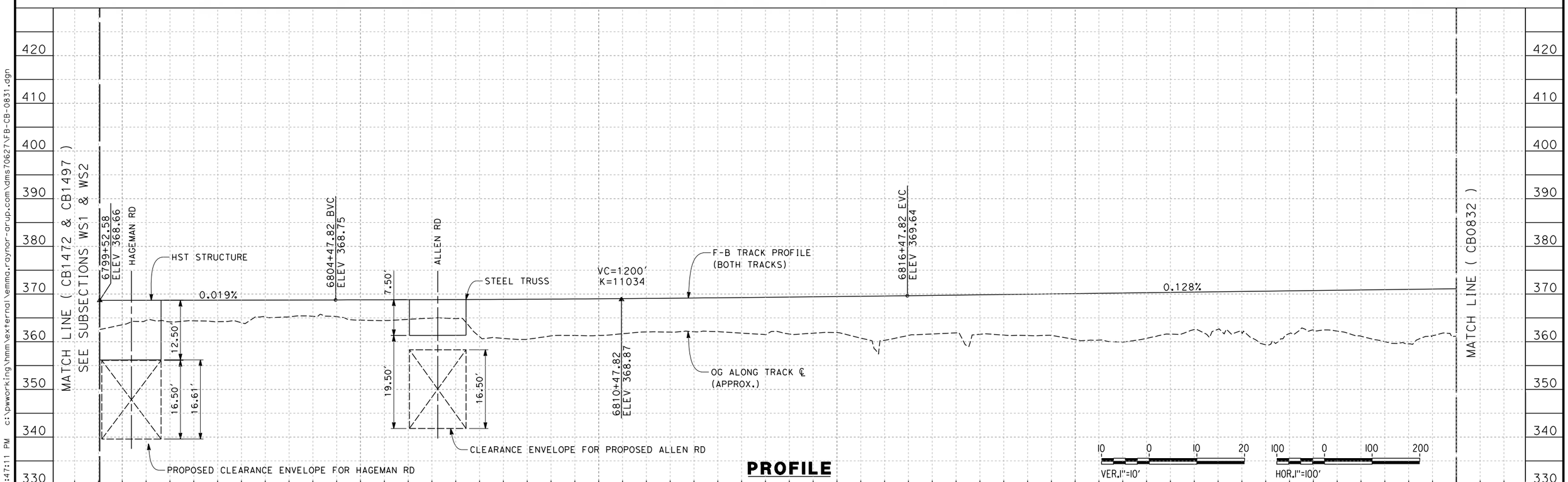

REV	DATE	BY	CHK	APP	DESCRIPTION
REV					

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6798+52.58 TO 6828+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0831
SCALE AS SHOWN
SHEET NO. 2 OF 31

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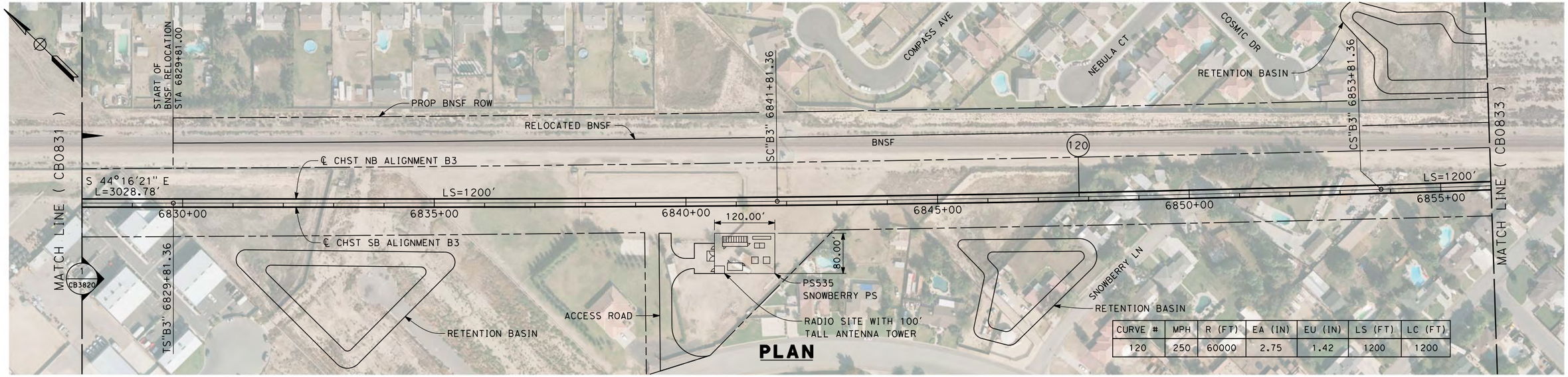
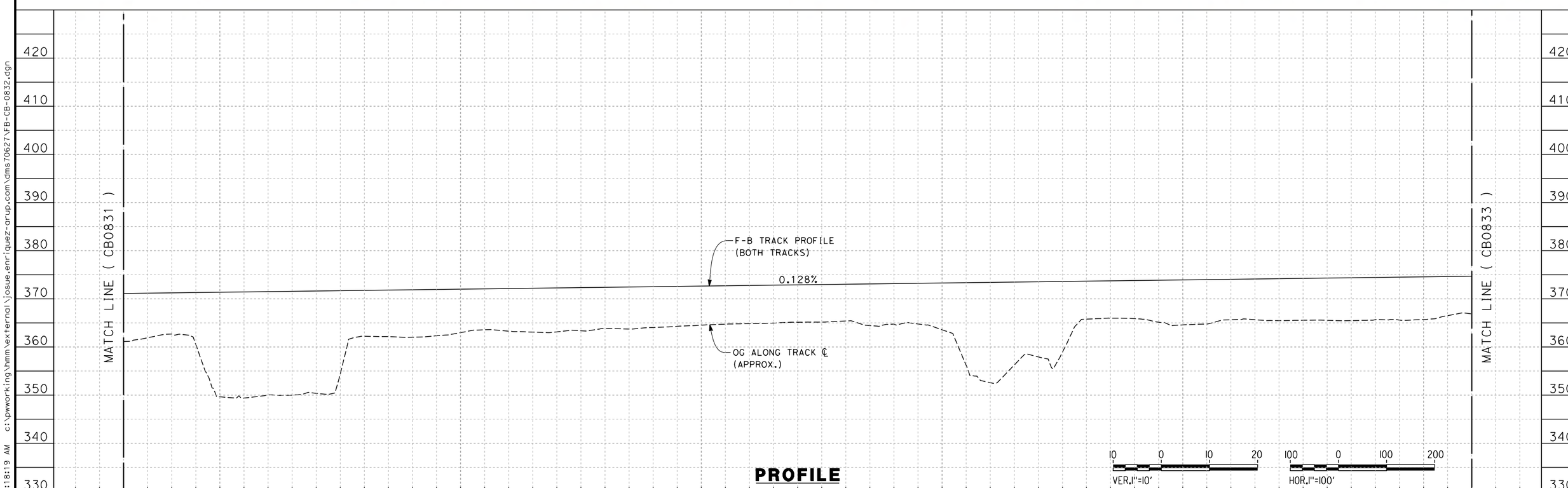


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
120	250	60000	2.75	1.42	1200	1200

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6828+00 TO 6856+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0832
SCALE AS SHOWN
SHEET NO. 3 OF 31

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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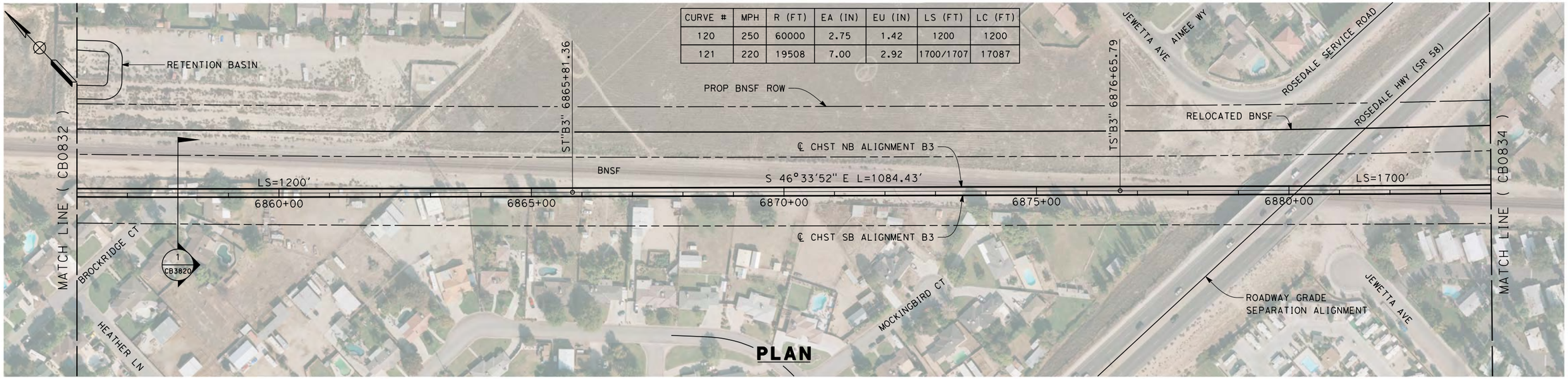
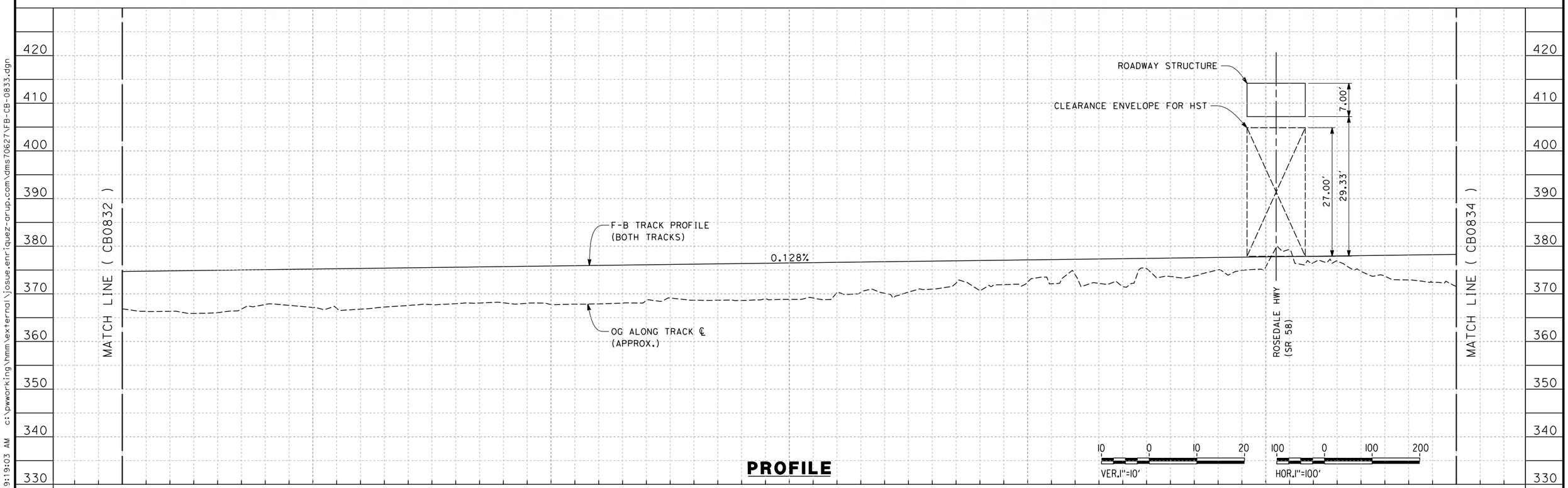
121	220	19508	7.00	2.92	1700/1707	17087



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6856+00 TO 6884+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0833
SCALE AS SHOWN
SHEET NO. 4 OF 31

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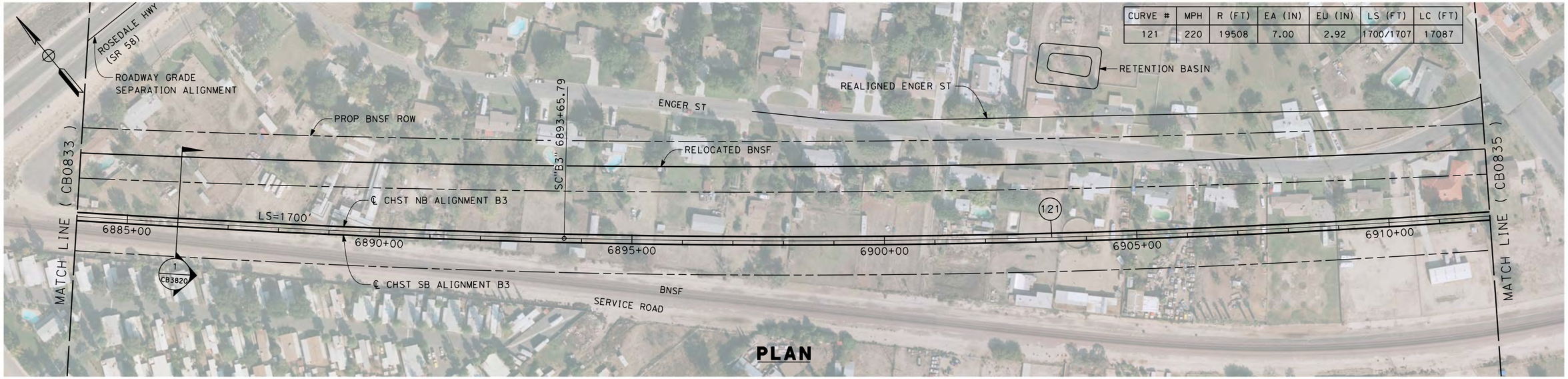
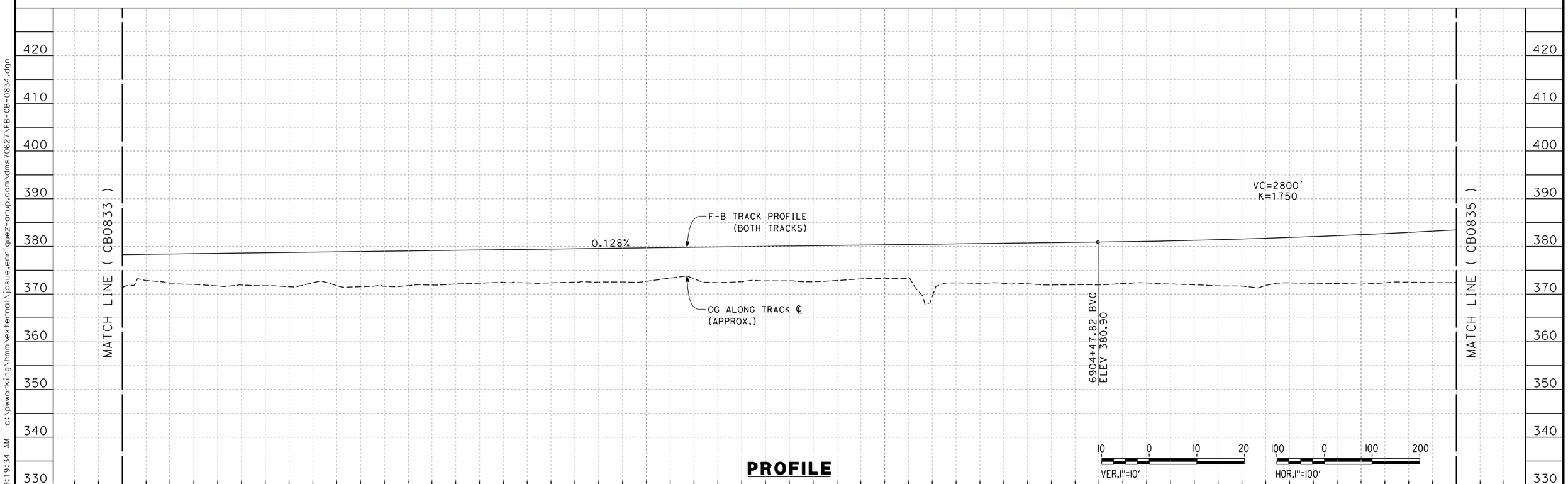
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6884+00 TO 6912+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0834
SCALE AS SHOWN
SHEET NO. 5 OF 31

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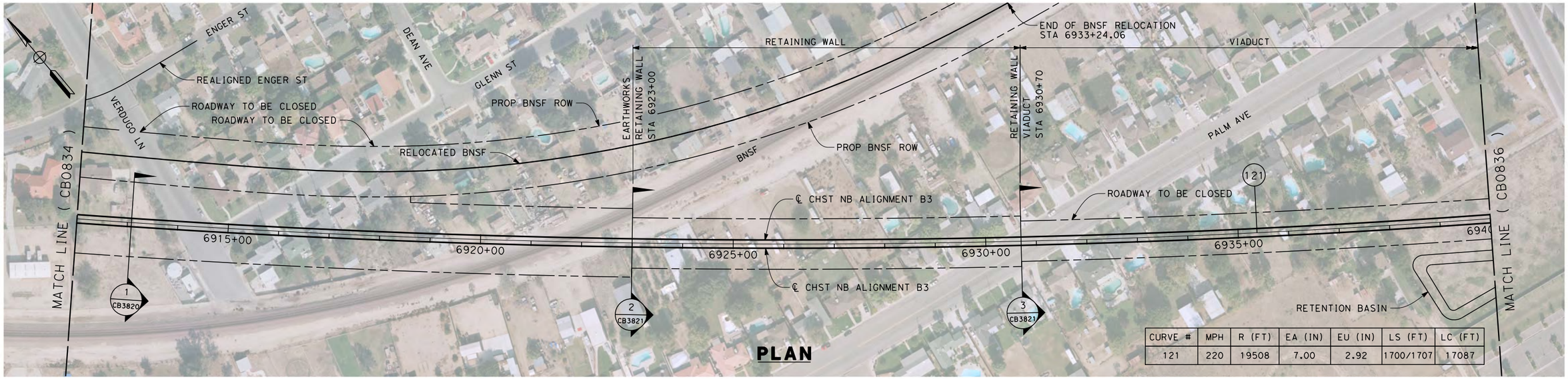
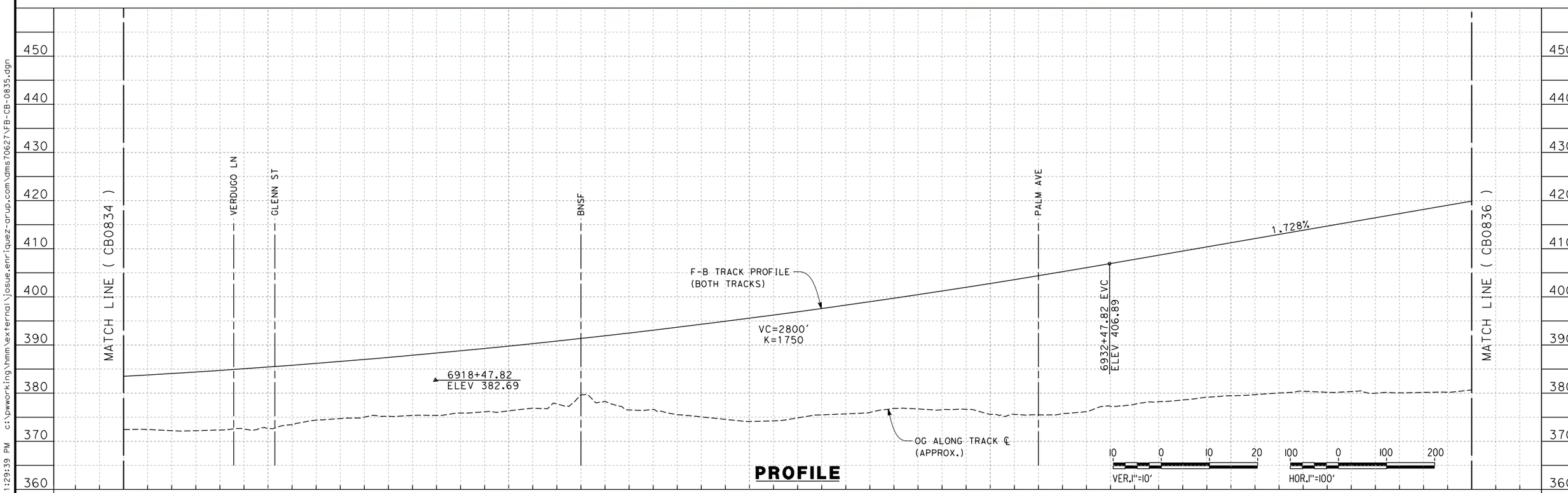


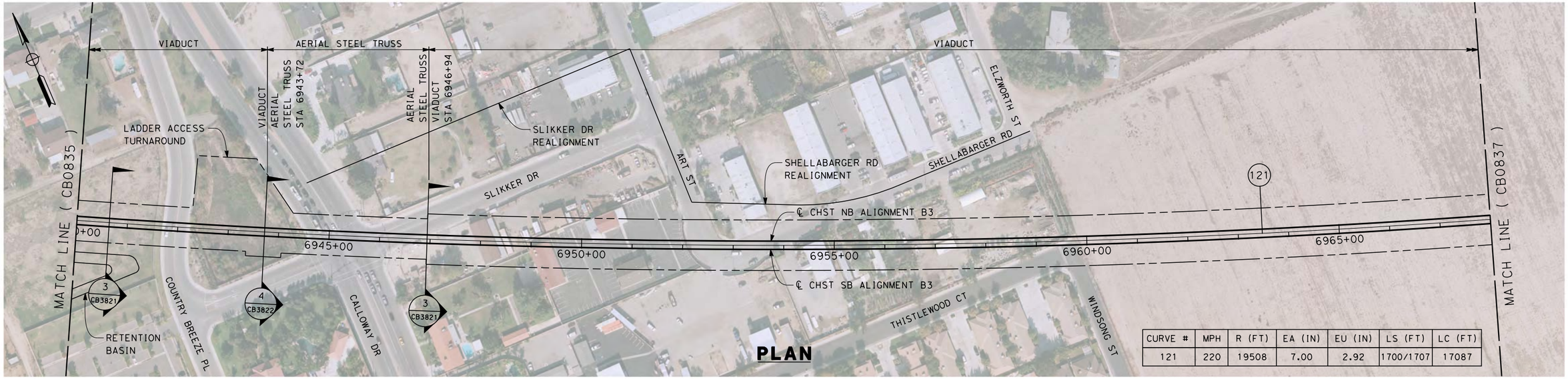
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087

PLAN



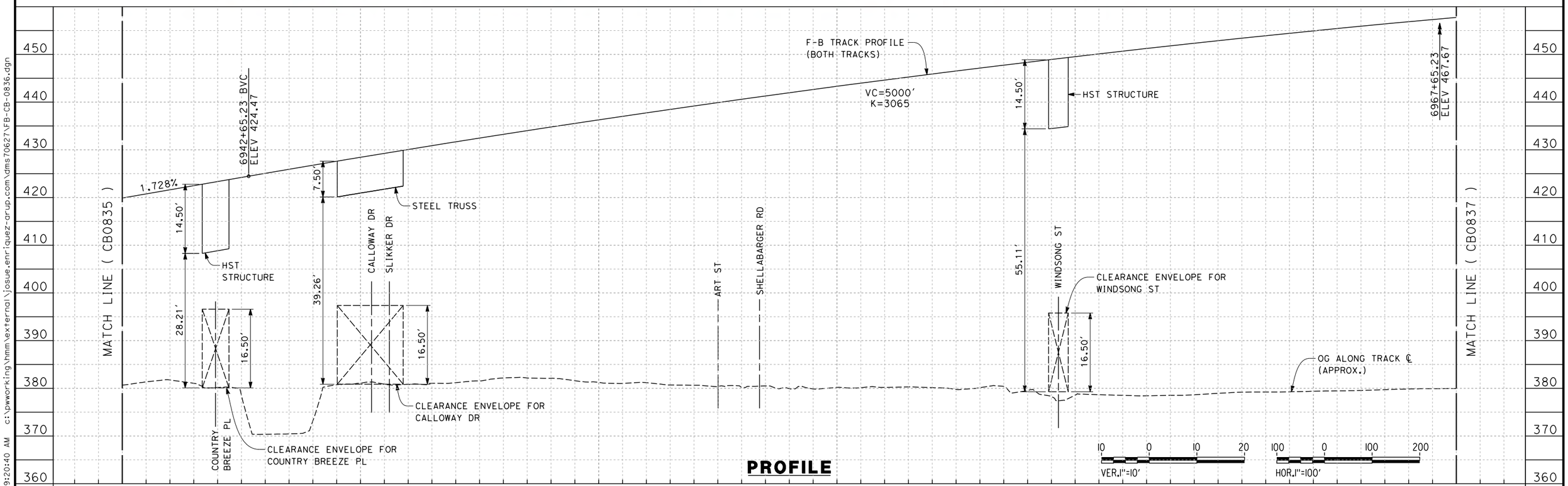
PROFILE

| STATION | | |



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6940+00 TO 6968+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0836
SCALE AS SHOWN
SHEET NO. 7 OF 31

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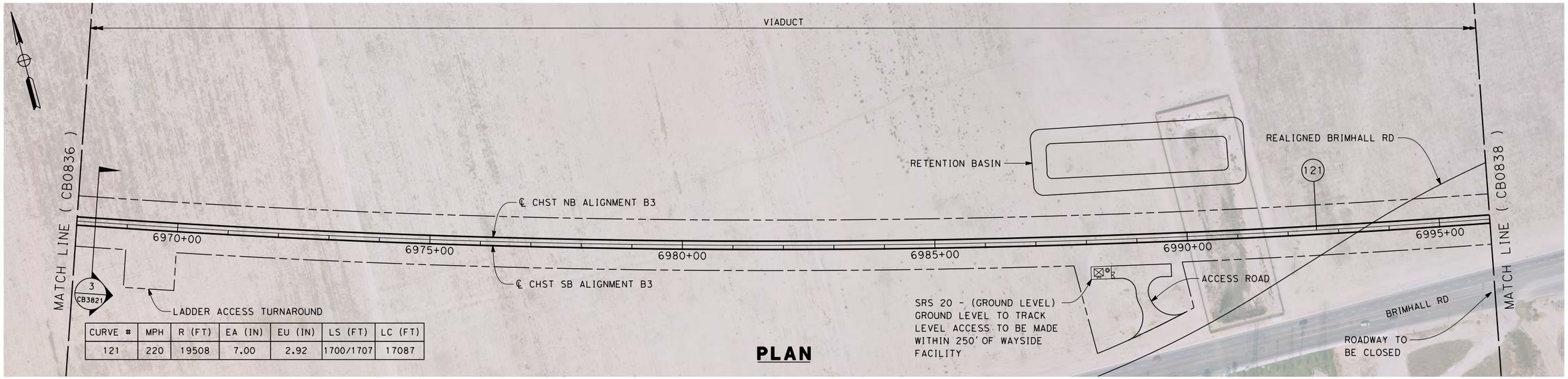
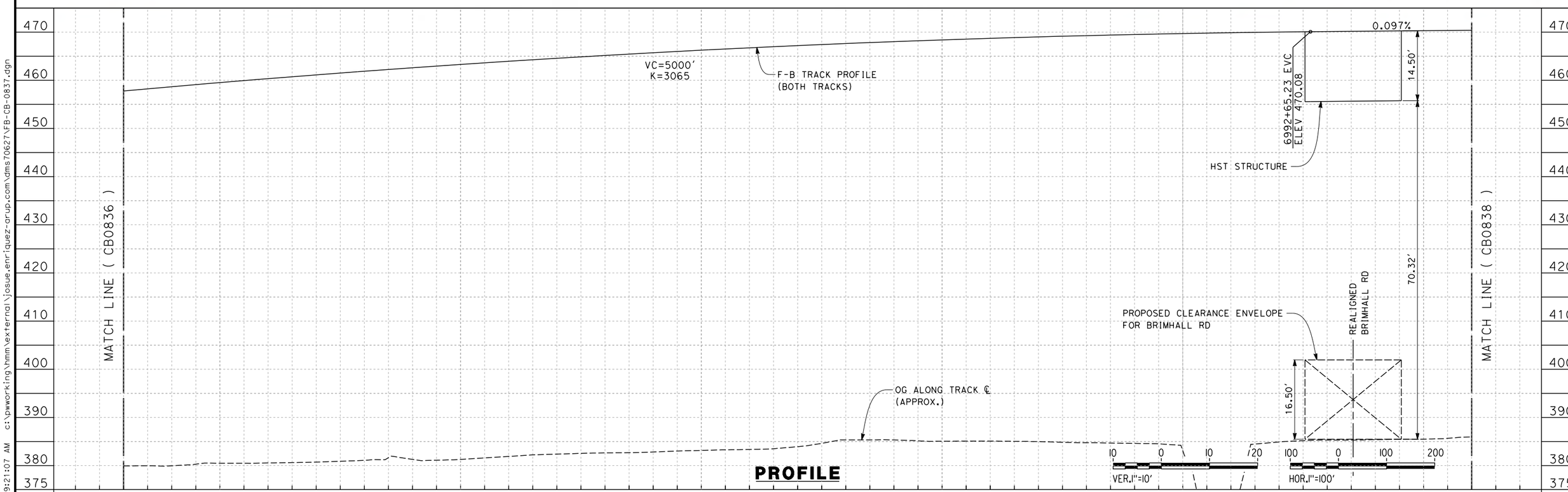


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0837
SCALE AS SHOWN
SHEET NO. 8 OF 31

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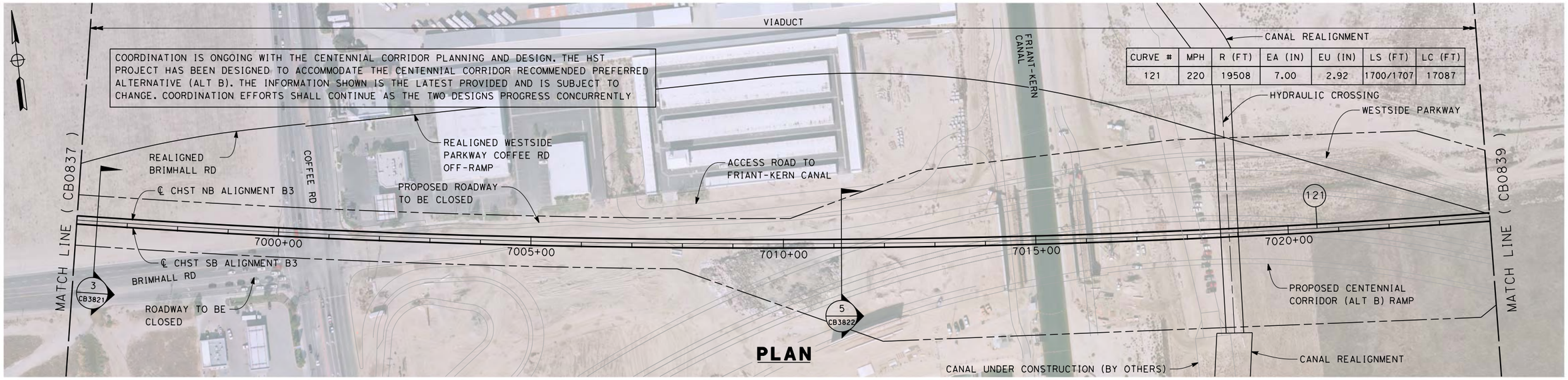
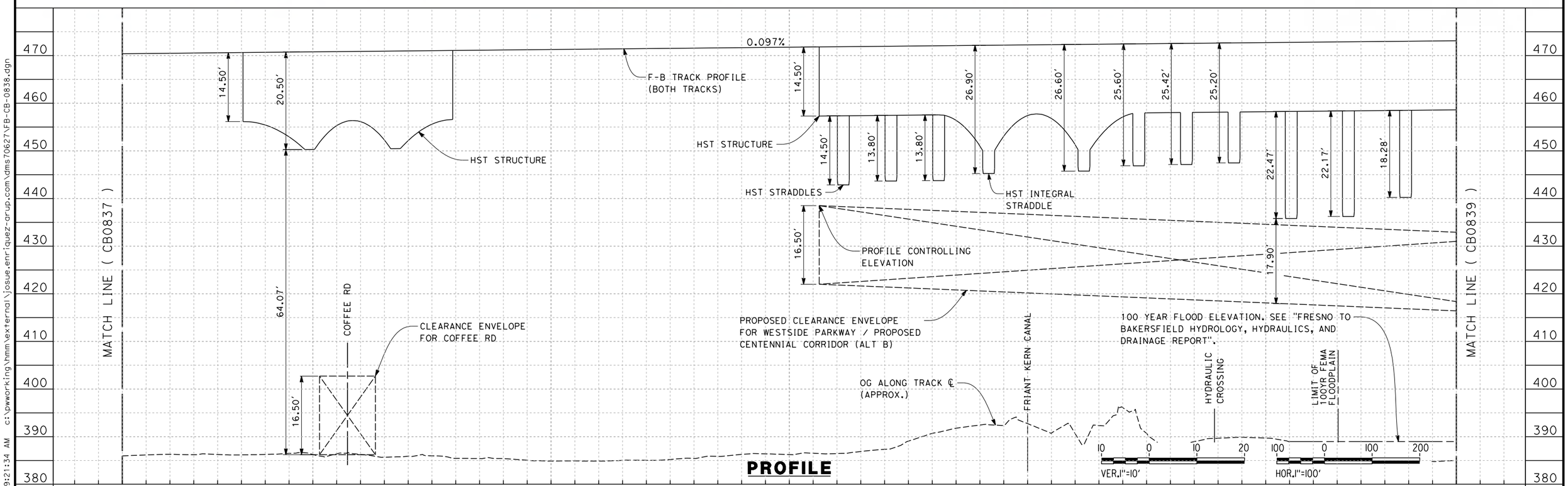


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6996+00 TO 7024+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0838
SCALE AS SHOWN
SHEET NO. 9 OF 31

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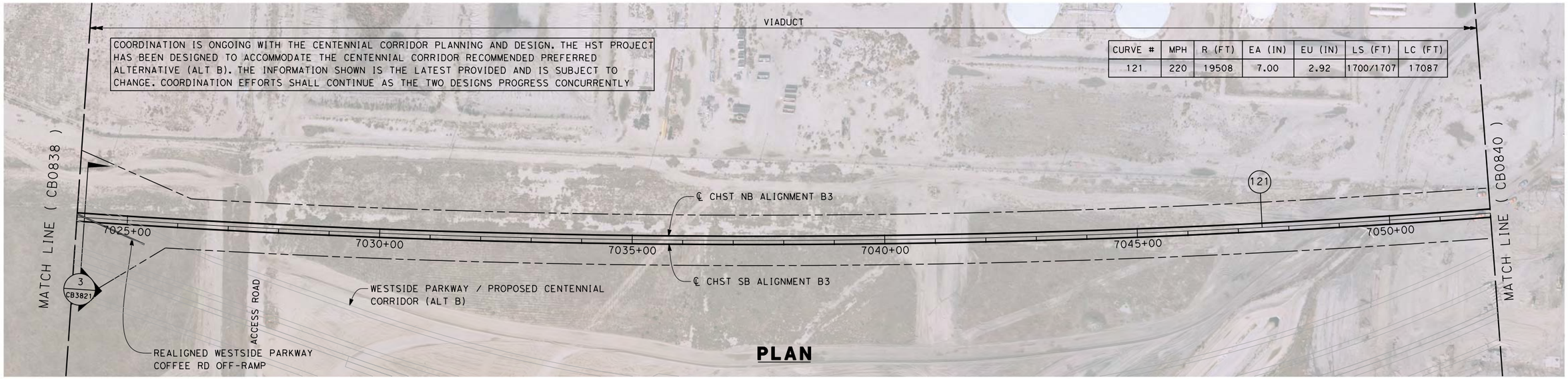
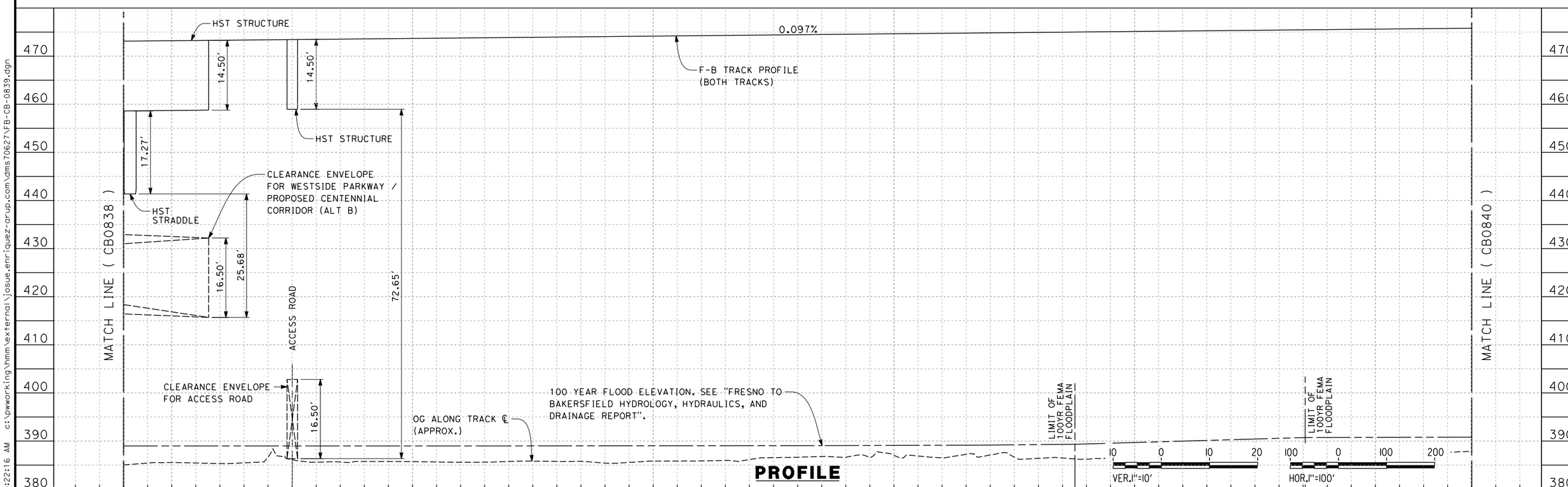


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7024+00 TO 7052+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0839
SCALE AS SHOWN
SHEET NO. 10 OF 31

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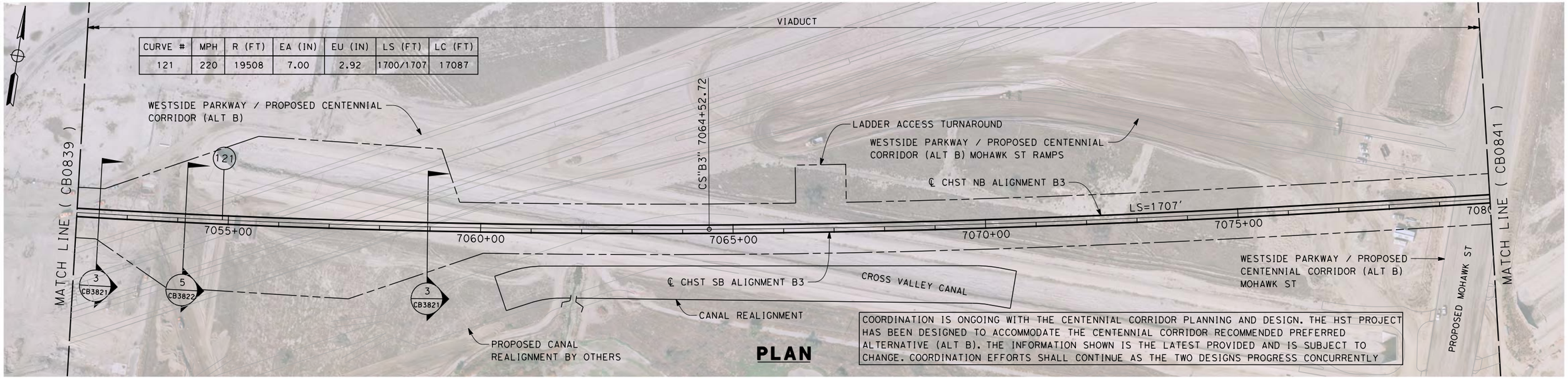
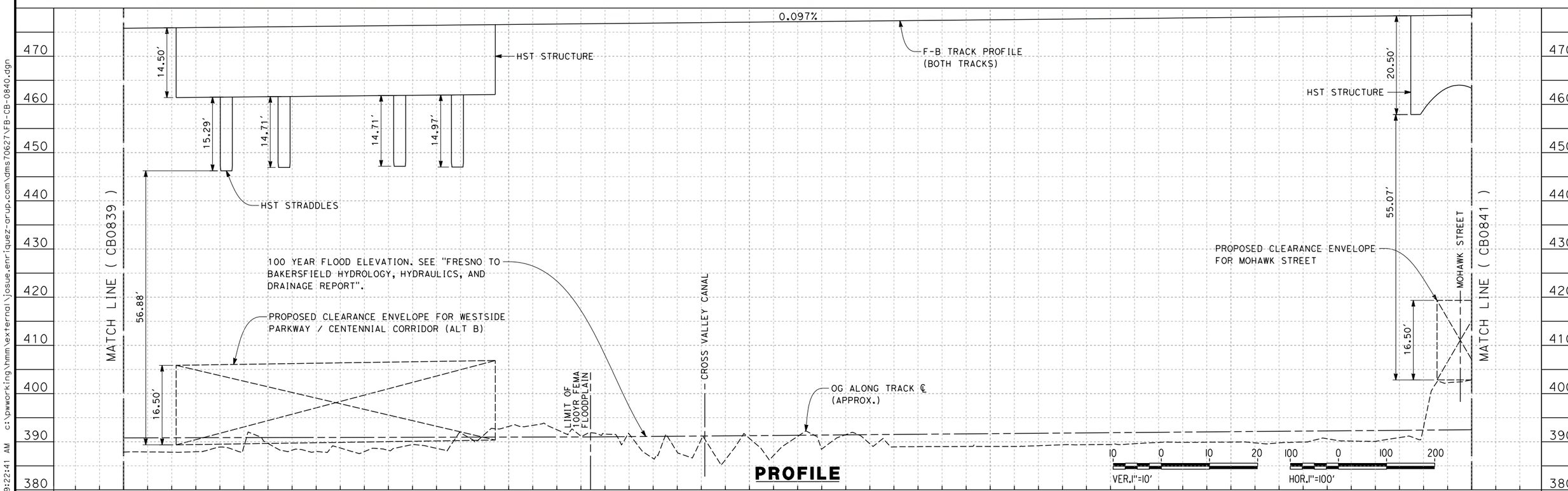
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087



COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE HST PROJECT HAS BEEN DESIGNED TO ACCOMMODATE THE CENTENNIAL CORRIDOR RECOMMENDED PREFERRED ALTERNATIVE (ALT B). THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7052+00 TO 7080+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0840
SCALE AS SHOWN
SHEET NO. 11 OF 31

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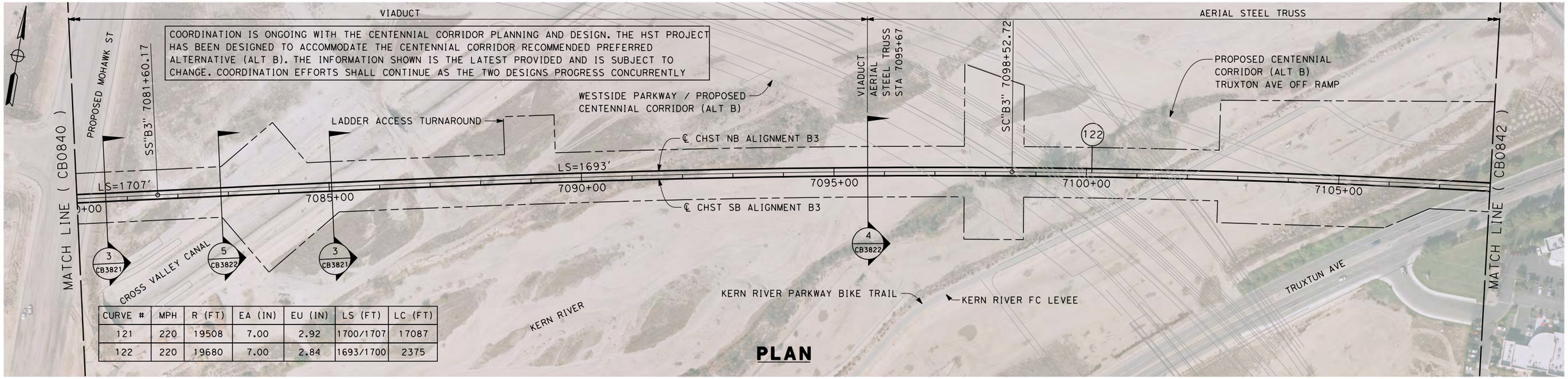
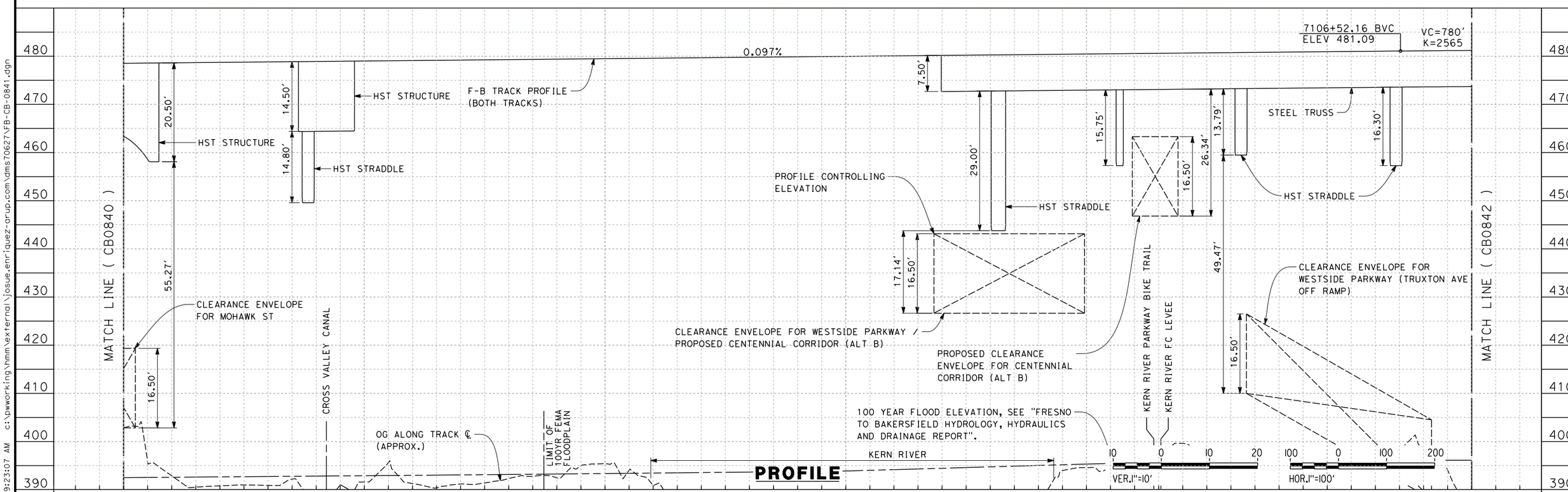


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	220	19508	7.00	2.92	1700/1707	17087
122	220	19680	7.00	2.84	1693/1700	2375



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7080+00 TO 7108+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-003
DRAWING NO. CB0841
SCALE AS SHOWN
SHEET NO. 12 OF 31

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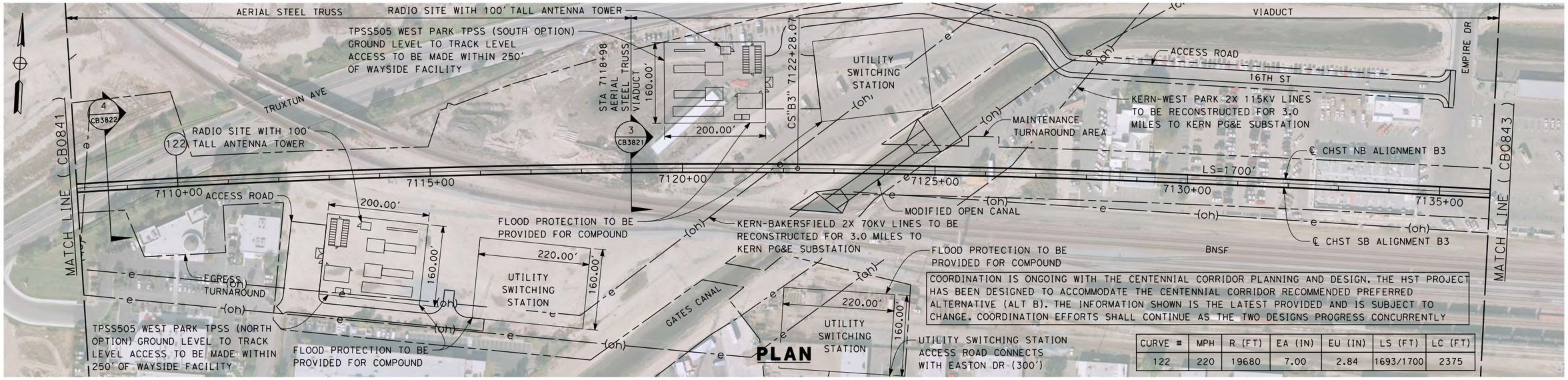
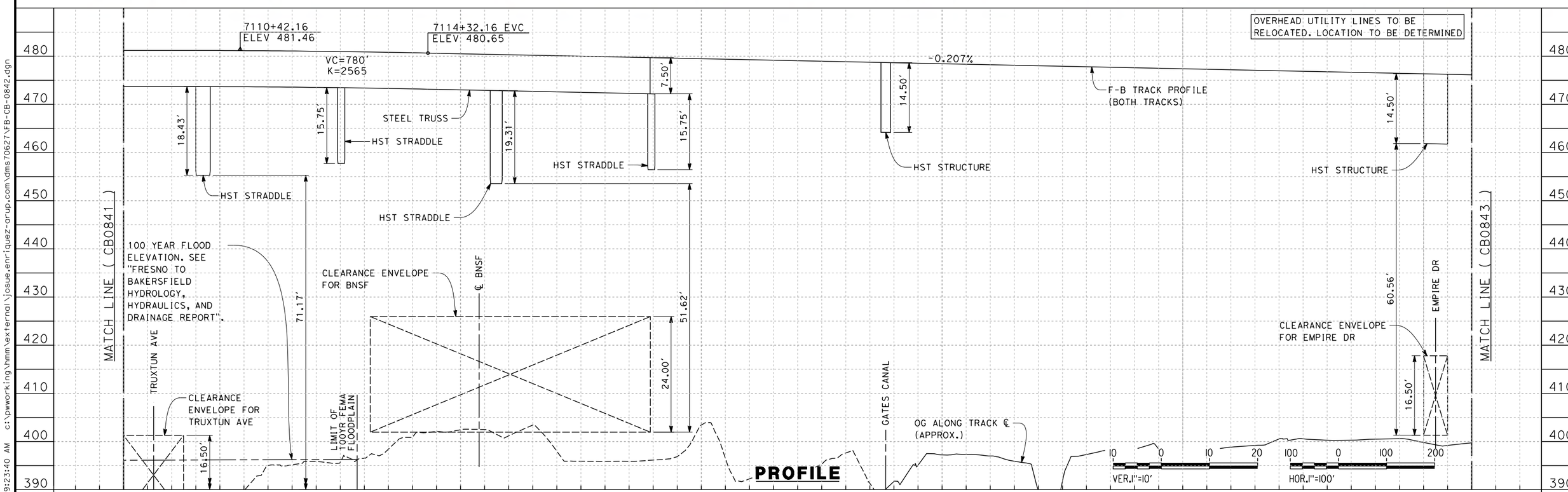


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
122	220	19680	7.00	2.84	1693/1700	2375



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7108+00 TO 7136+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0842
SCALE AS SHOWN
SHEET NO. 13 OF 31

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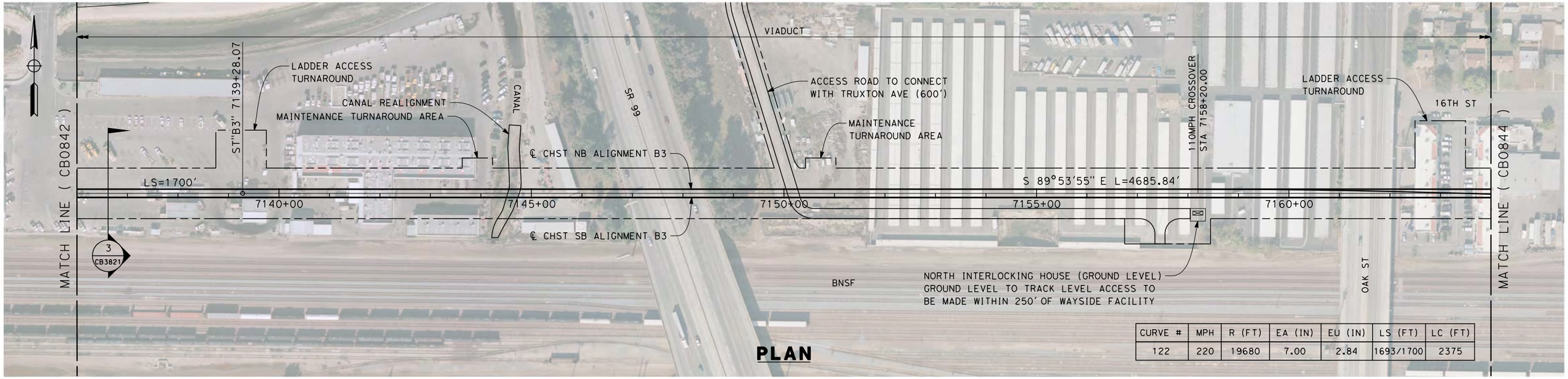
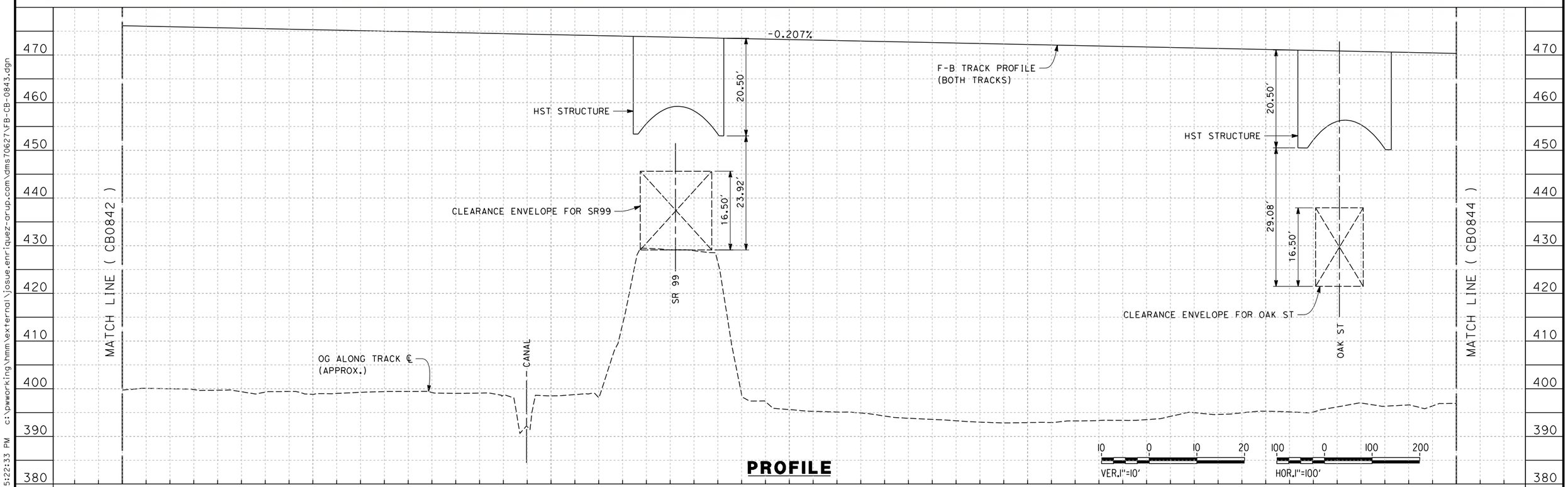


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
122	220	19680	7.00	2.84	1693/1700	2375

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7136+00 TO 7164+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0843
SCALE AS SHOWN
SHEET NO. 14 OF 31

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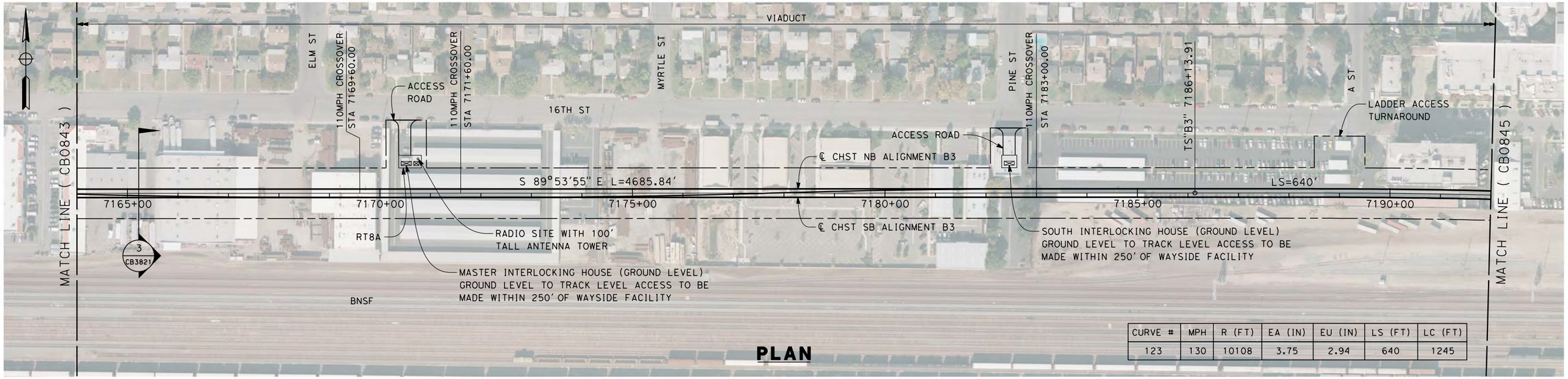
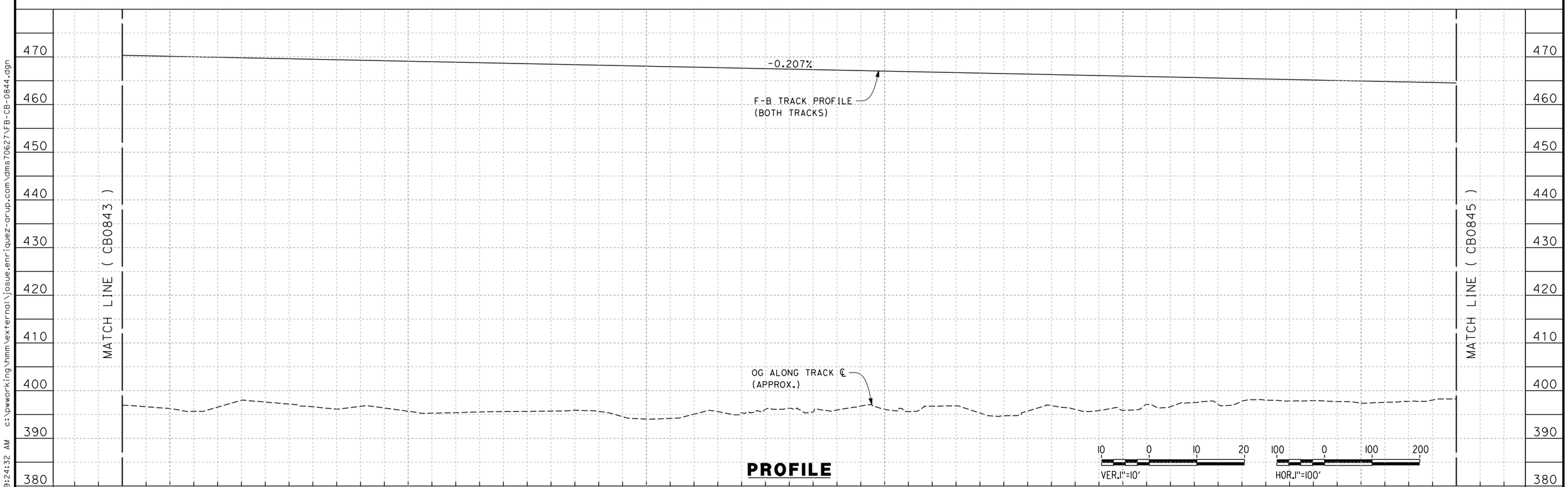


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
123	130	10108	3.75	2.94	640	1245

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7164+00 TO 7192+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0844
SCALE AS SHOWN
SHEET NO. 15 OF 31

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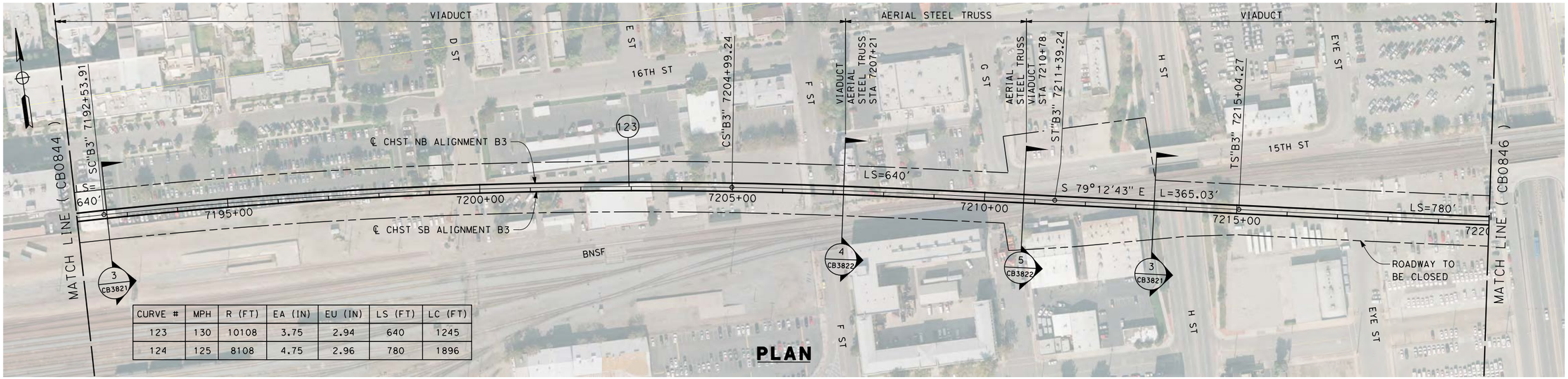
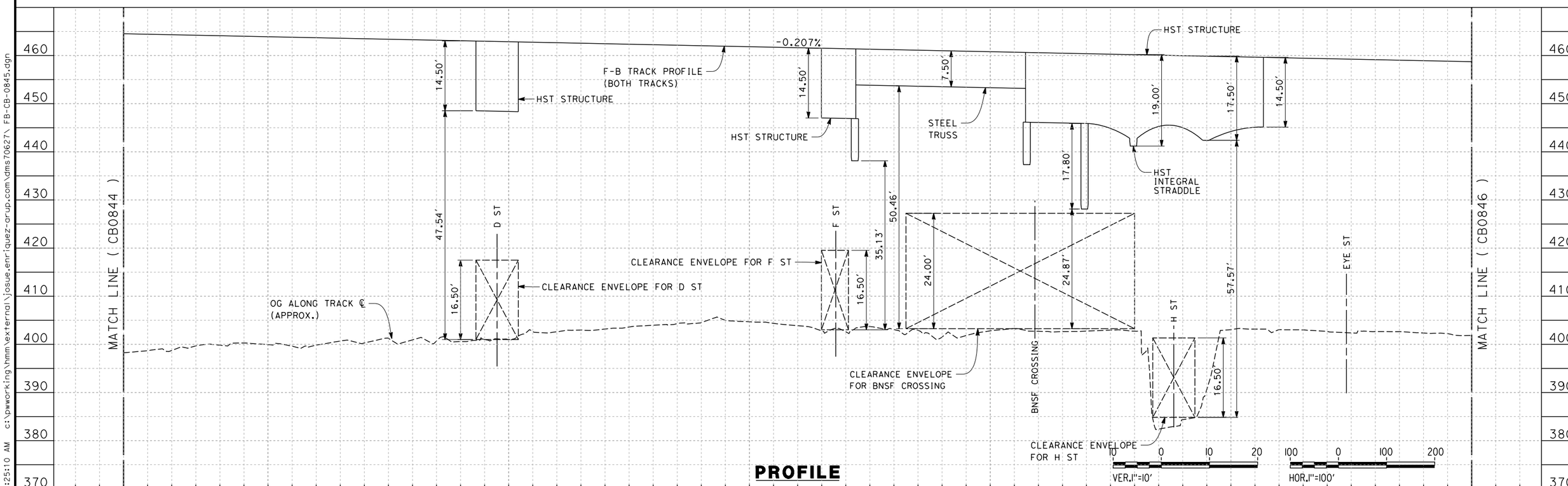


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
123	130	10108	3.75	2.94	640	1245
124	125	8108	4.75	2.96	780	1896



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7192+00 TO 7220+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0845
SCALE AS SHOWN
SHEET NO. 16 OF 31

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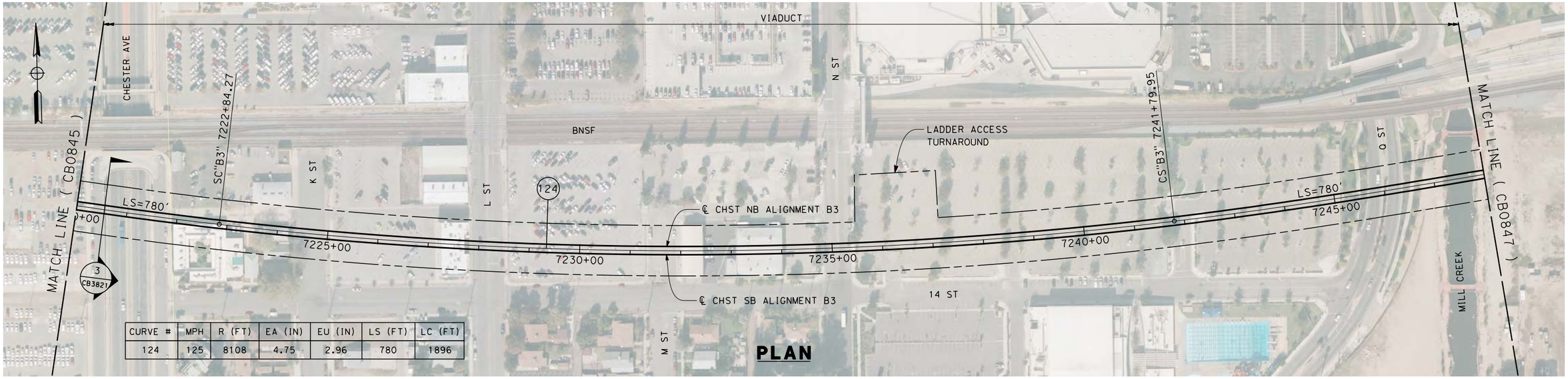
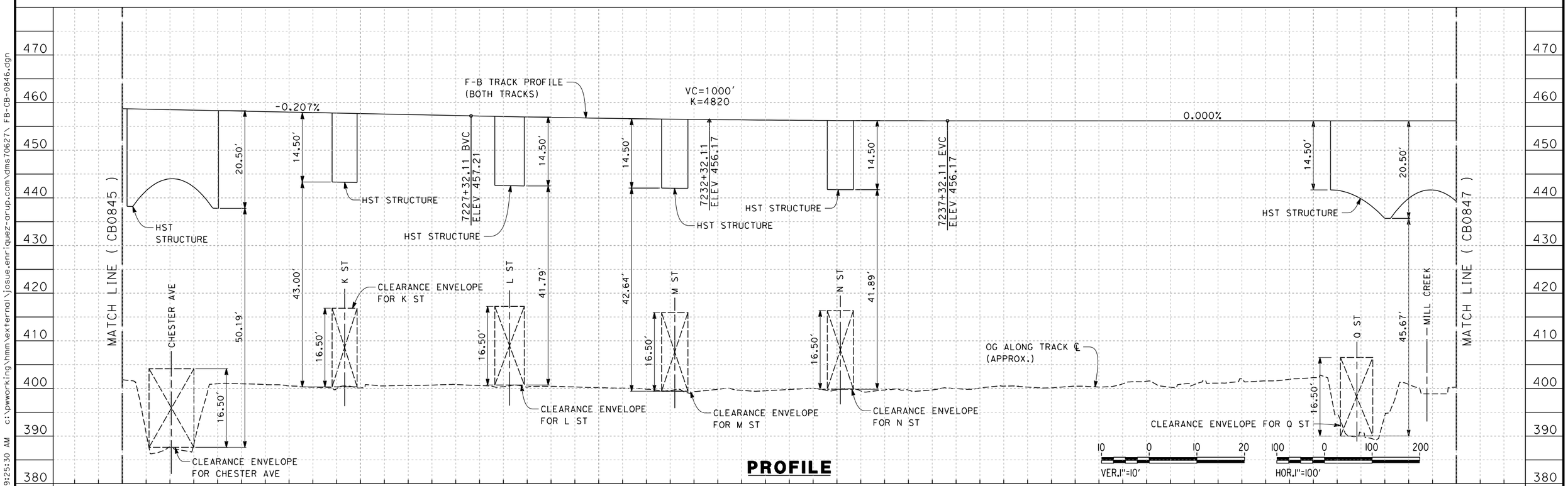


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
124	125	8108	4.75	2.96	780	1896

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7220+00 TO 7248+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0846
SCALE AS SHOWN
SHEET NO. 17 OF 31

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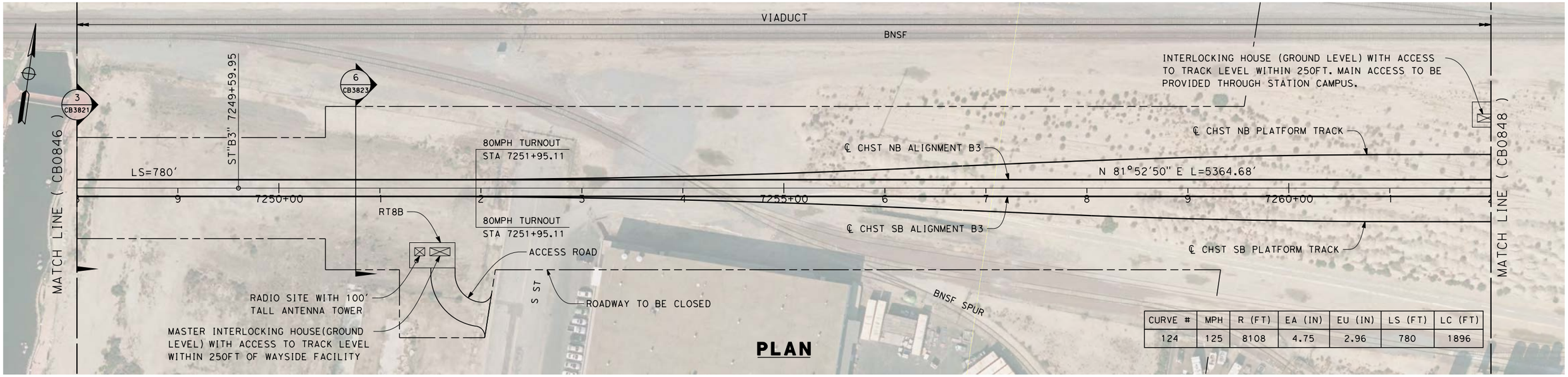
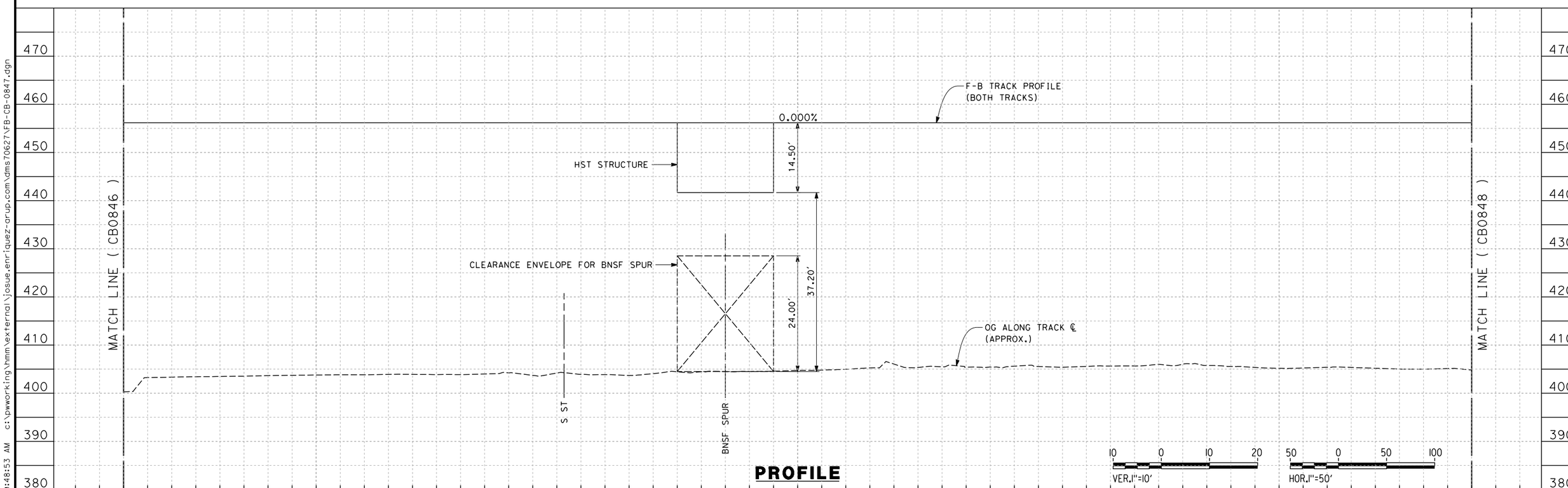


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
124	125	8108	4.75	2.96	780	1896



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7248+00 TO 7262+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0847
SCALE AS SHOWN
SHEET NO. 18 OF 31

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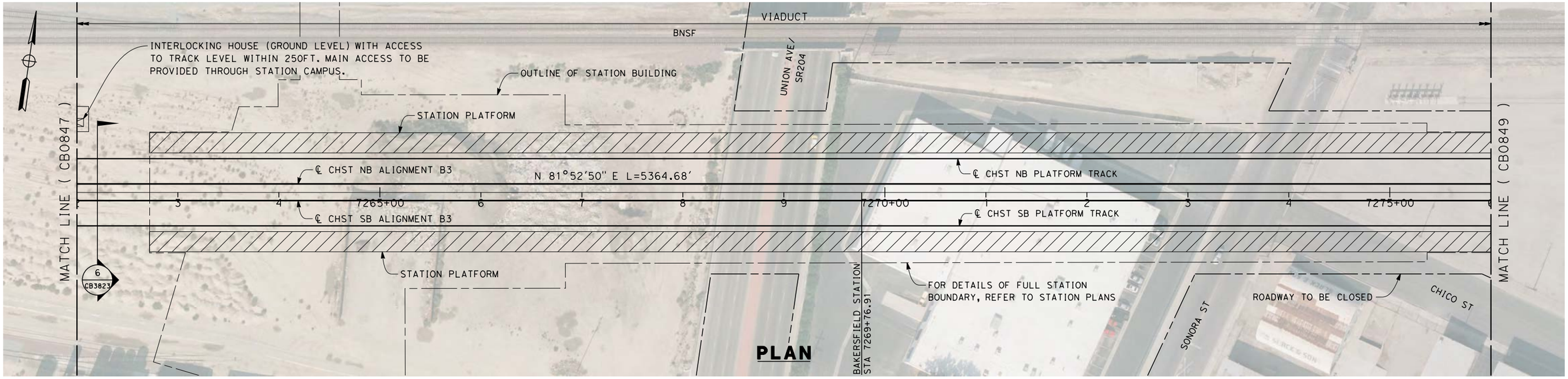

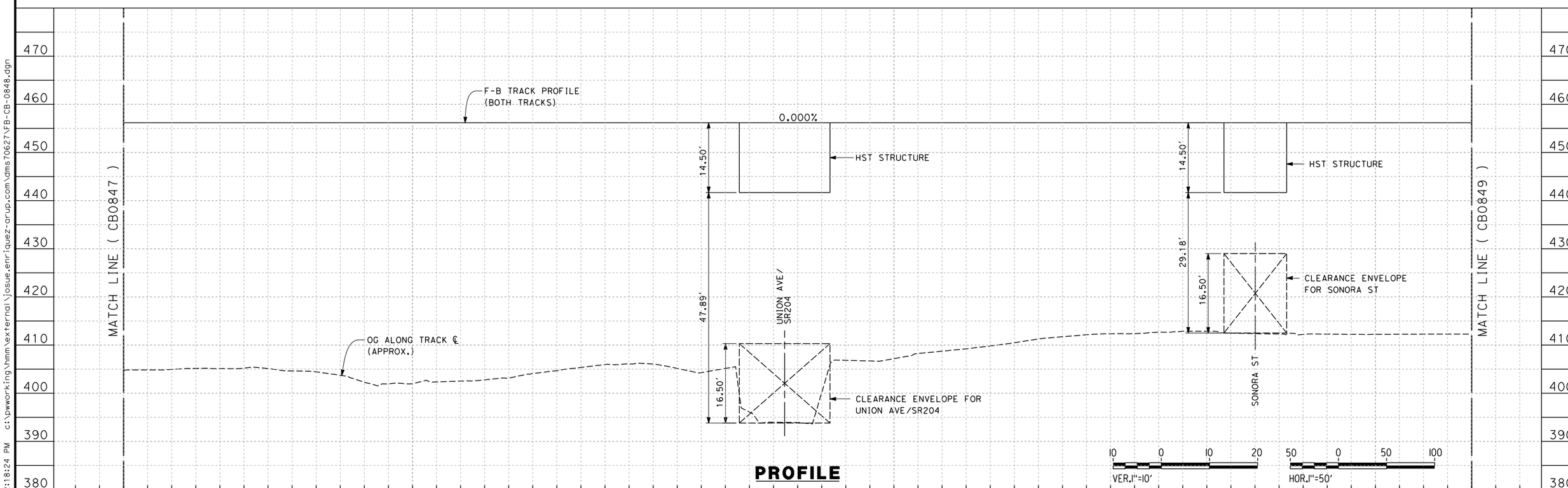

STATION	7262+00	3	4	7265+00	6	7	8	9	7270+00	1	2	3	4	7275+00	7276+00	TOTAL
CY Exc																
CY Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7262+00 TO 7276+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0848
SCALE AS SHOWN
SHEET NO. 19 OF 31

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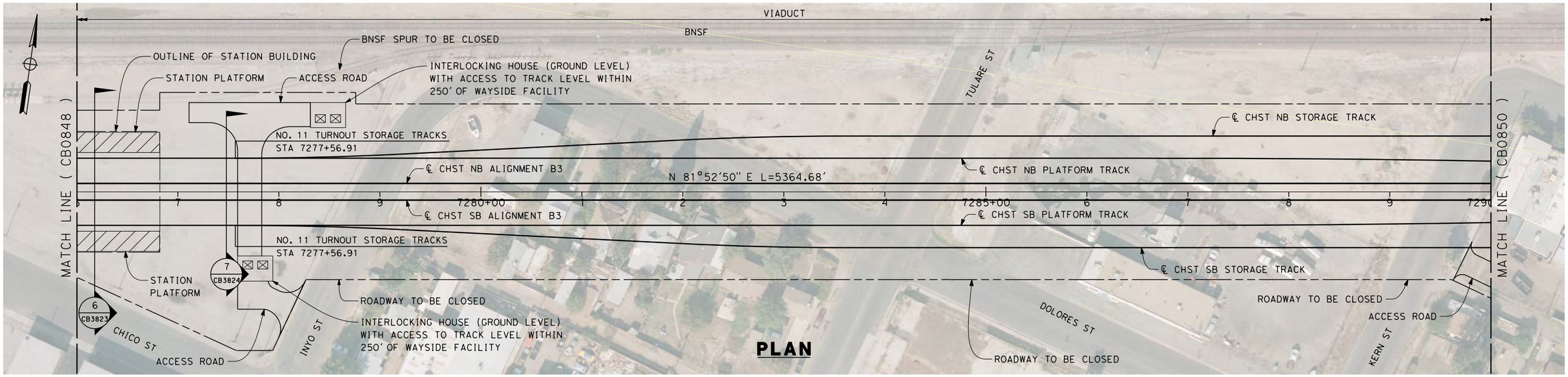

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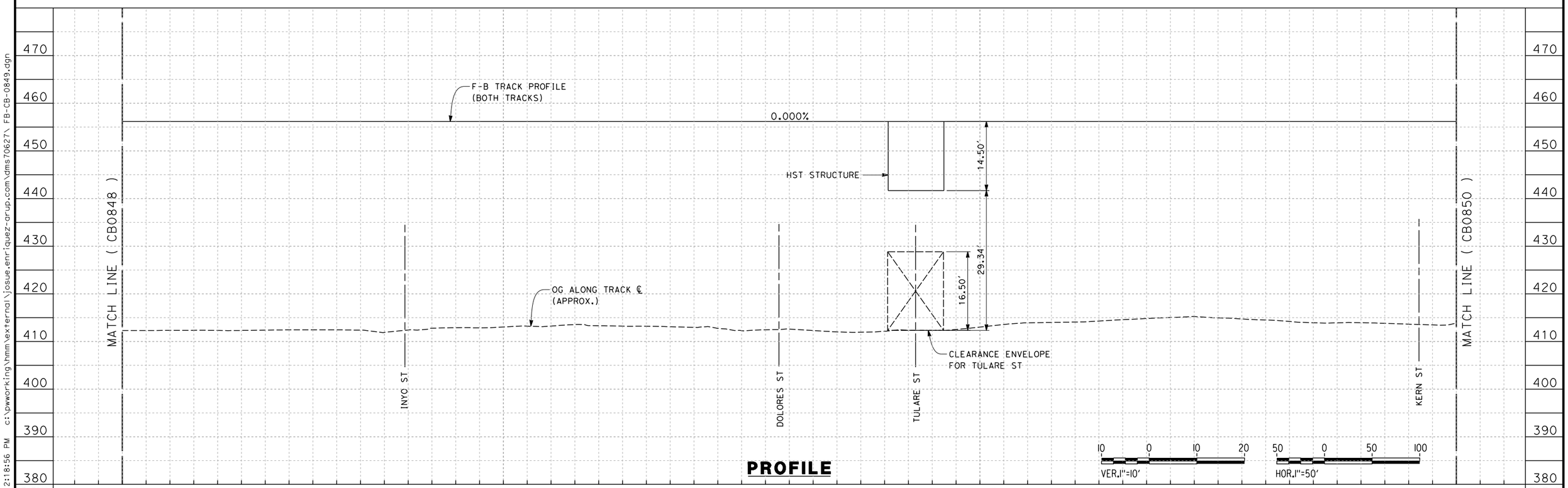


PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

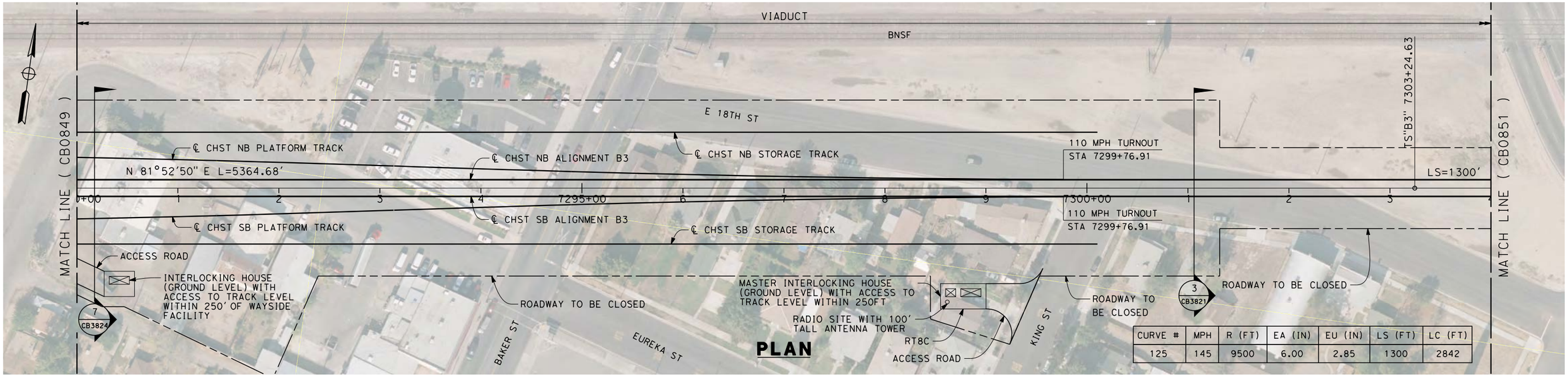
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7276+00 TO 7290+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0849
SCALE AS SHOWN
SHEET NO. 20 OF 31

josue.enriquez 12/11/2013 2:18:56 PM c:\pwworking\hmm\external\josue.enriquez-arup.com\dms70627\ FB-CB-0849.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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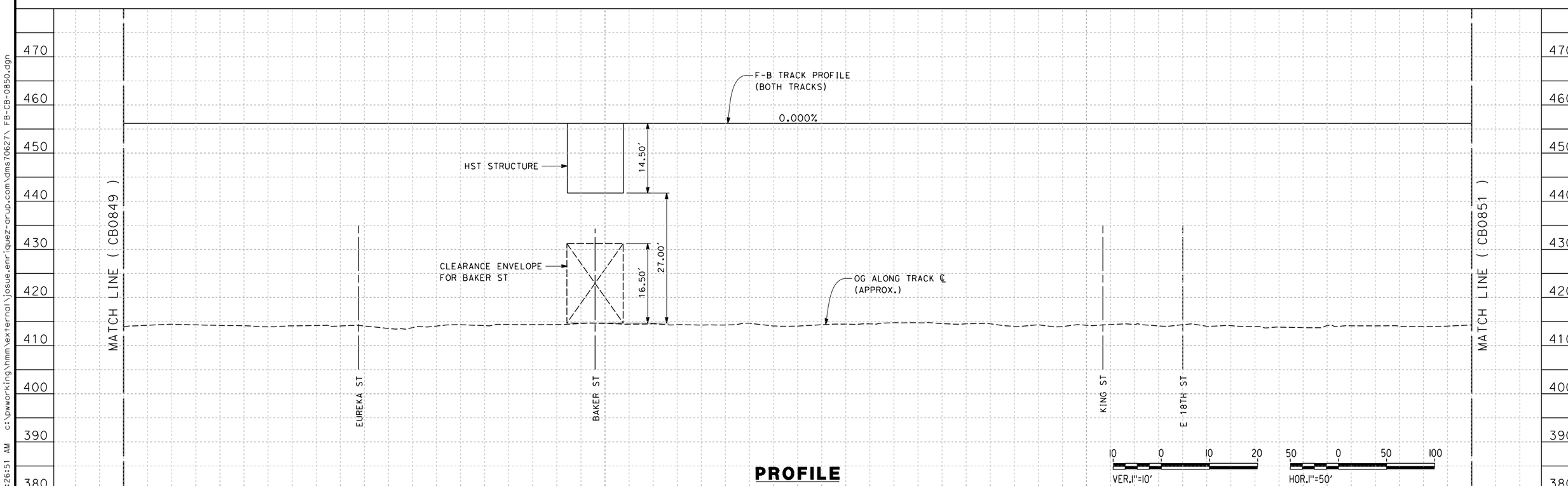

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7290+00 TO 7304+00
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB0850
SCALE AS SHOWN
SHEET NO. 21 OF 31

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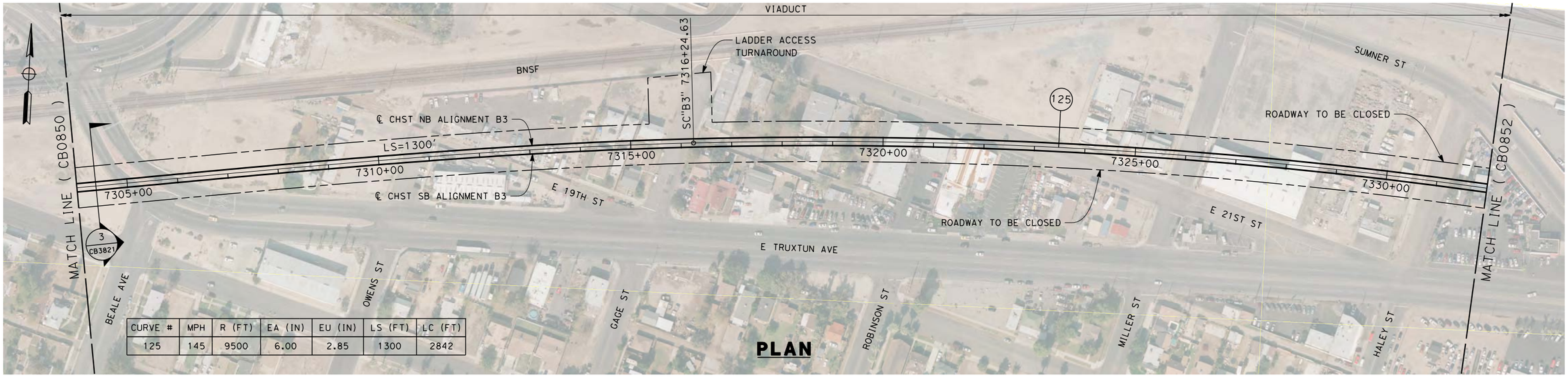
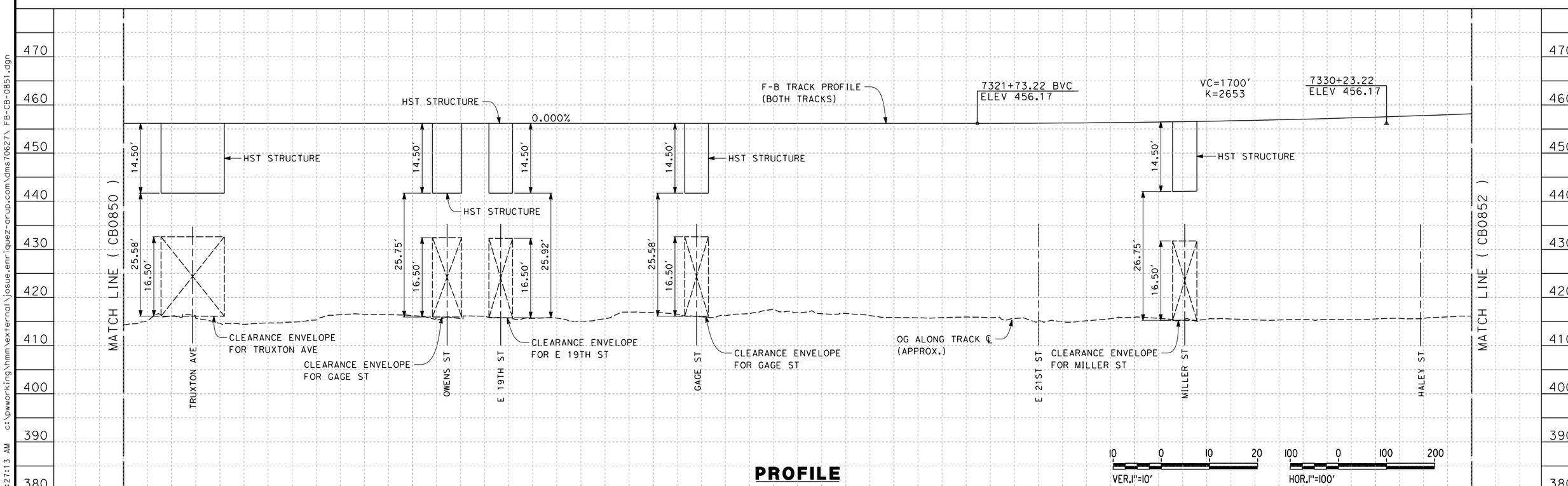


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
125	145	9500	6.00	2.85	1300	2842

PLAN



PROFILE

STATION	7304+00	7305+00	6	7	8	9	7310+00	1	2	3	4	7315+00	6	7	8	9	7320+00	1	2	3	4	7325+00	6	7	8	9	7330+00	1	7332+00	TOTAL
CY Exc																														
CY Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7304+00 TO 7332+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0851
SCALE AS SHOWN
SHEET NO. 22 OF 31

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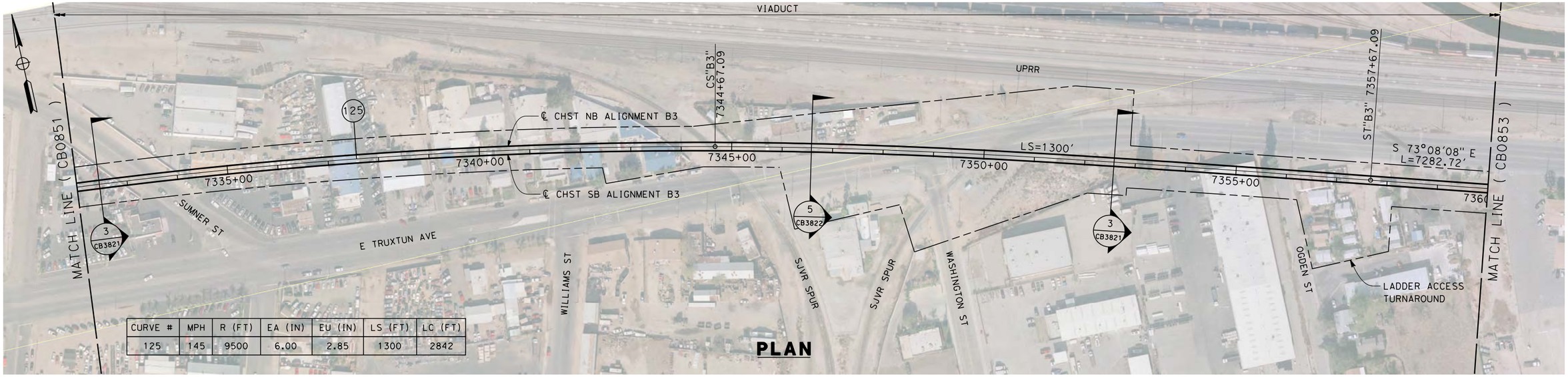
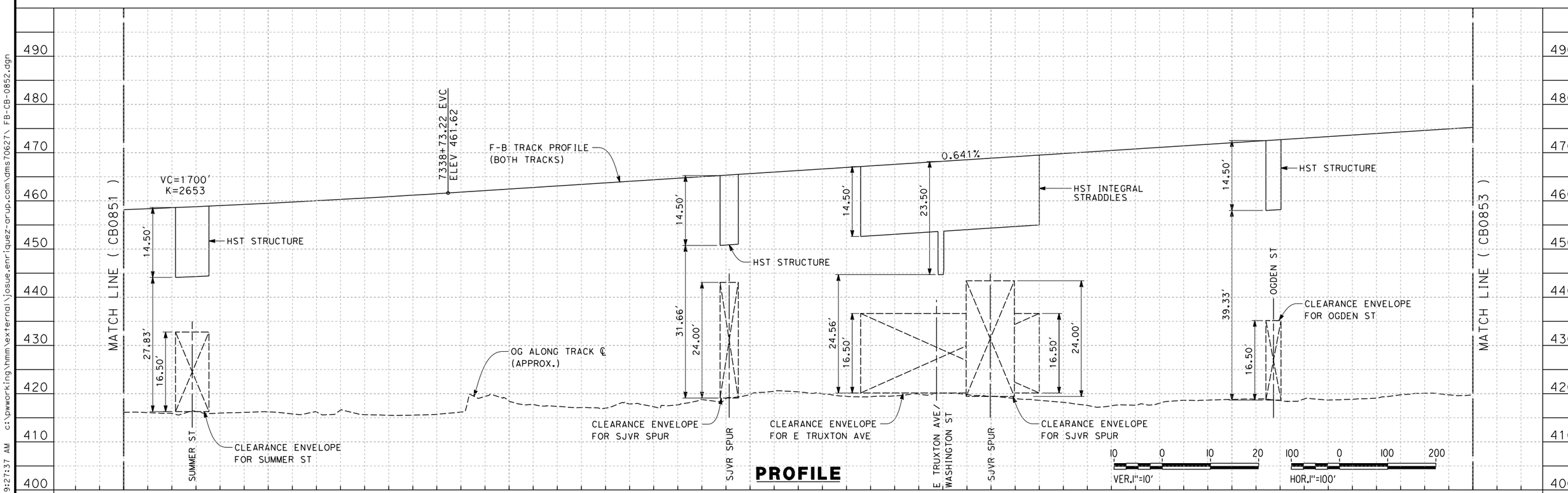


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
125	145	9500	6.00	2.85	1300	2842

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7332+00 TO 7360+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0852
SCALE AS SHOWN
SHEET NO. 23 OF 31

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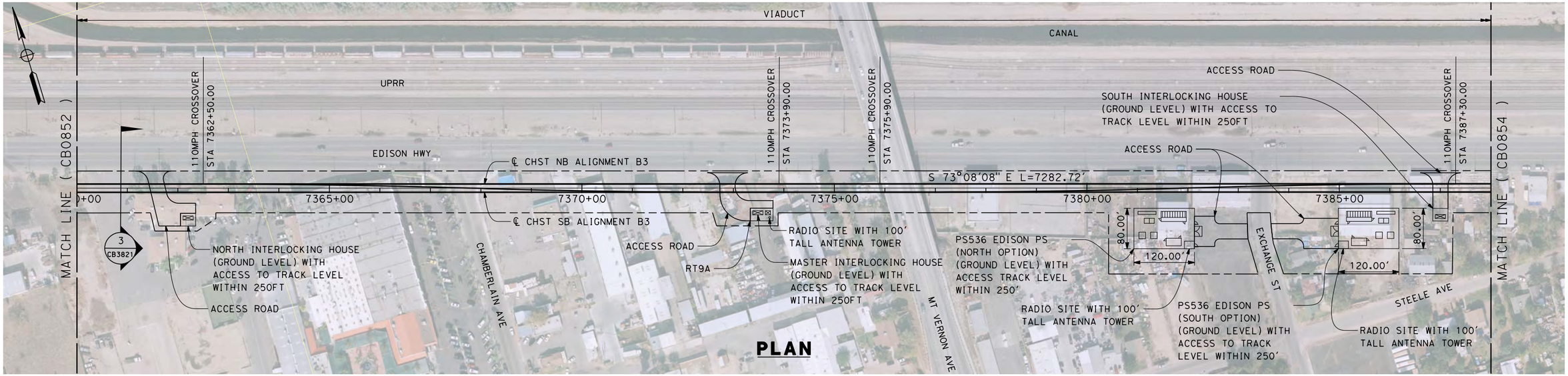
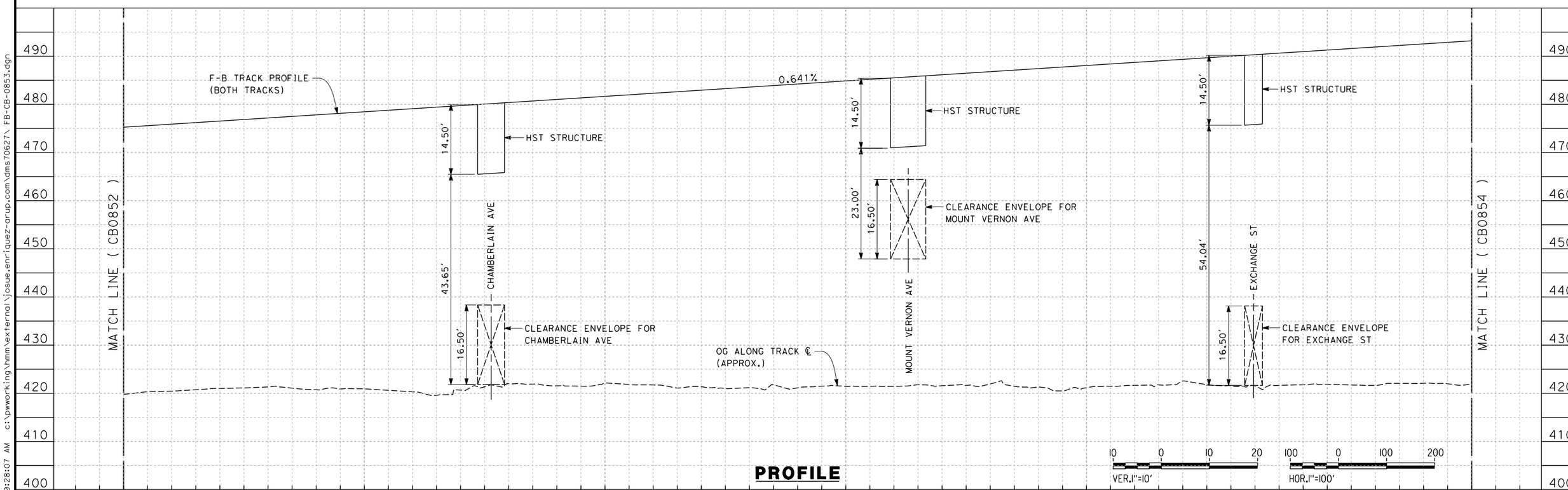


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7360+00 TO 7388+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0853
SCALE AS SHOWN
SHEET NO. 24 OF 31

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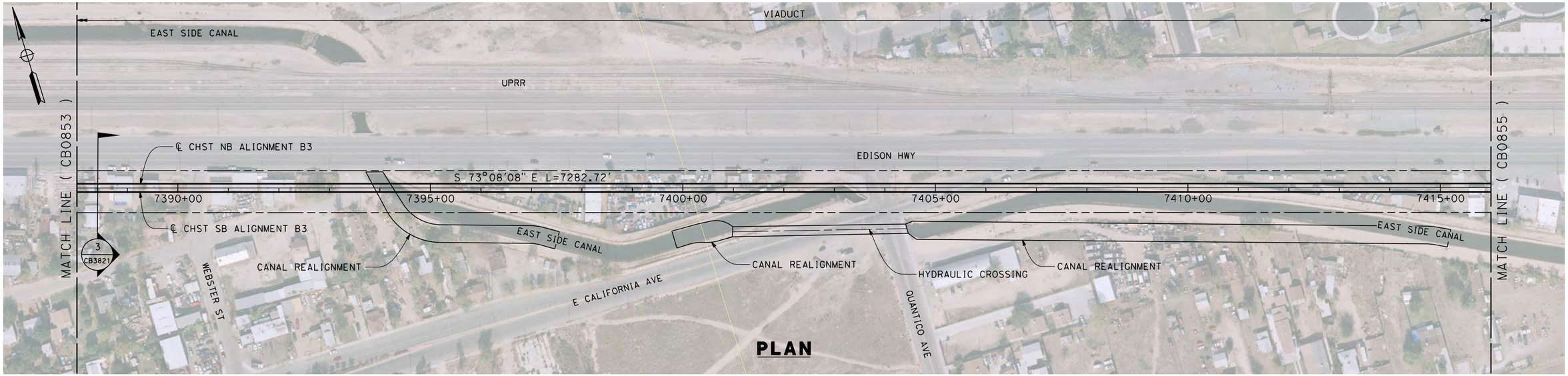
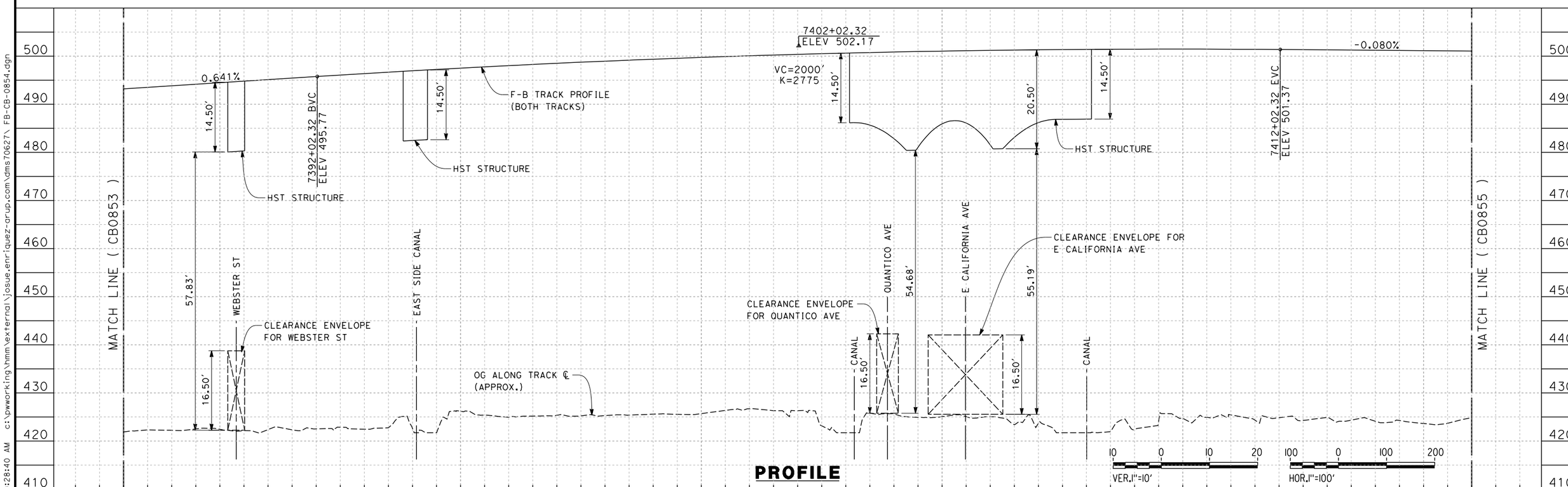


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7388+00 TO 7416+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0854
SCALE AS SHOWN
SHEET NO. 25 OF 31

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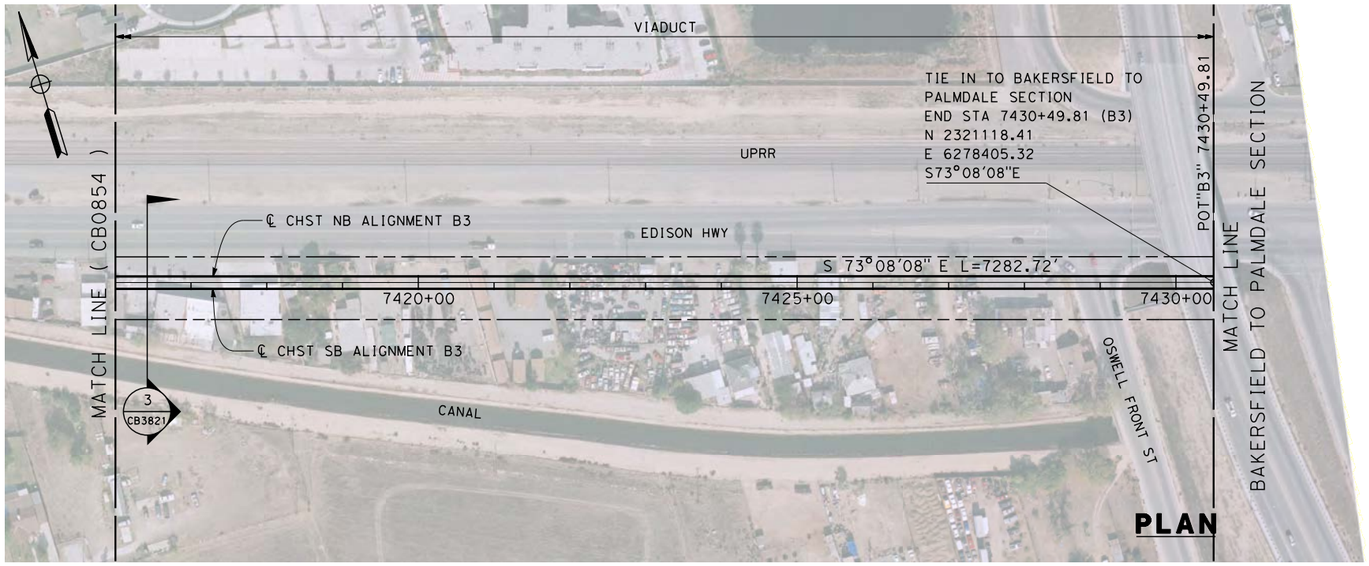
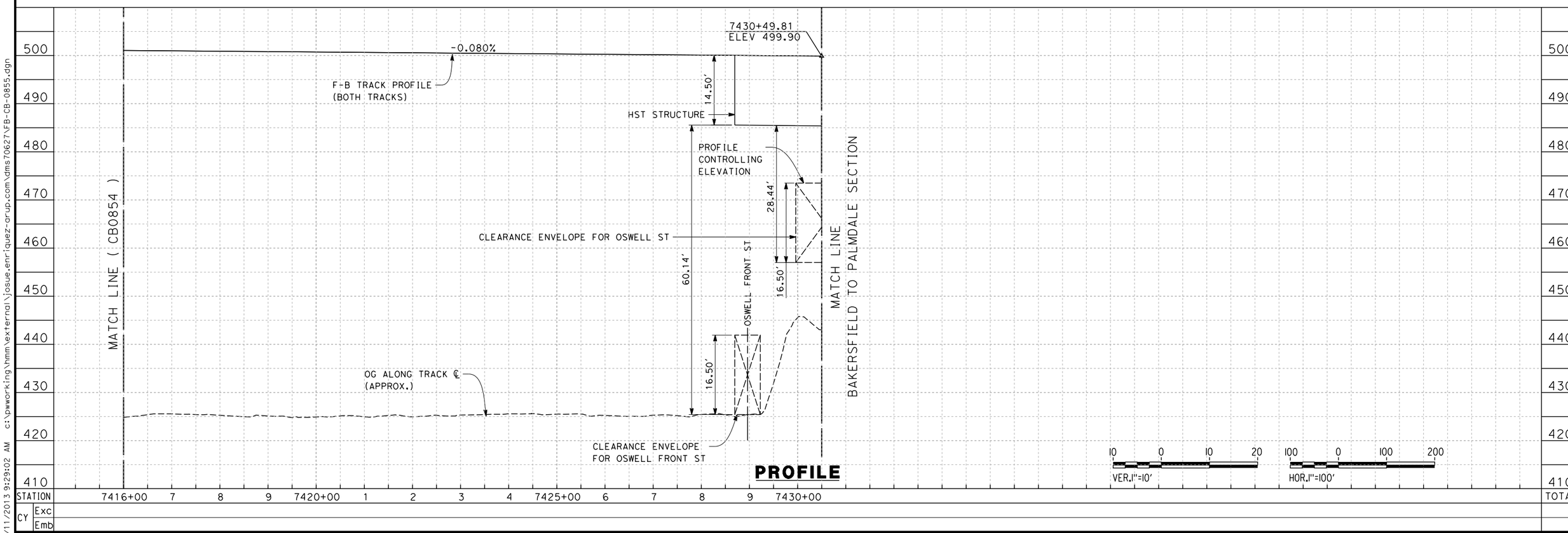




REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

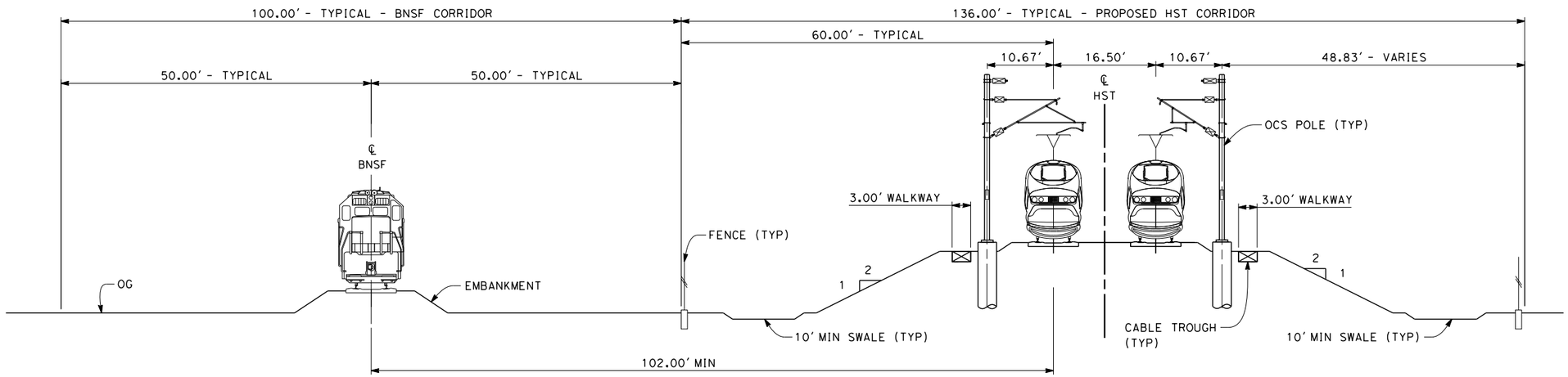
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 7416+00 TO 7430+49.81
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0855
SCALE AS SHOWN
SHEET NO. 26 OF 31

josue.enriquez 12/11/2013 9:29:02 AM c:\pwworking\hmm\external\josue.enriquez-arup.com\dms70627\FB-CB-0855.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. BNSF RELOCATED BEYOND STATION 6829+81.00
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPEREVELATION IS SHOWN IN THE CURVE DATA TABLES.
4. INDICATIVE BNSF RELOCATION SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



SECTION 1

TWIN TRACK - ADJACENT TO TWIN TRACK BNSF
STA 6799+52 THROUGH 6805+28
STA 6808+46 THROUGH 6923+00

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

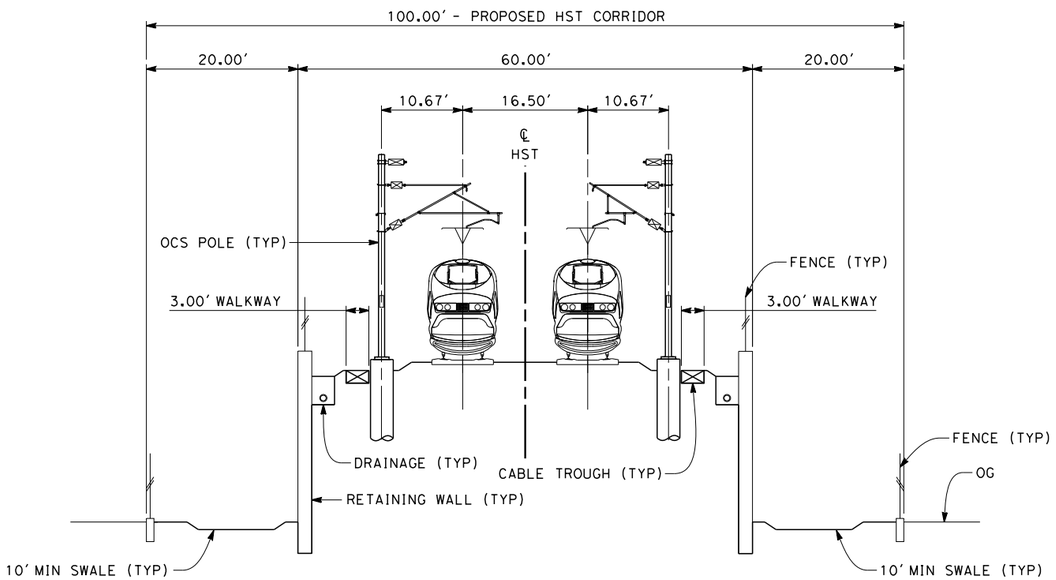
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3820
SCALE AS SHOWN
SHEET NO. 27 OF 31

josue.enriquez12/11/2013 9:29:14 AM $PENTBLS$ $PLTDRVS$ c:\pwworking\hmm\external\josue.enriquez-arup.com\dms70627\FB-CB-3820.dgn

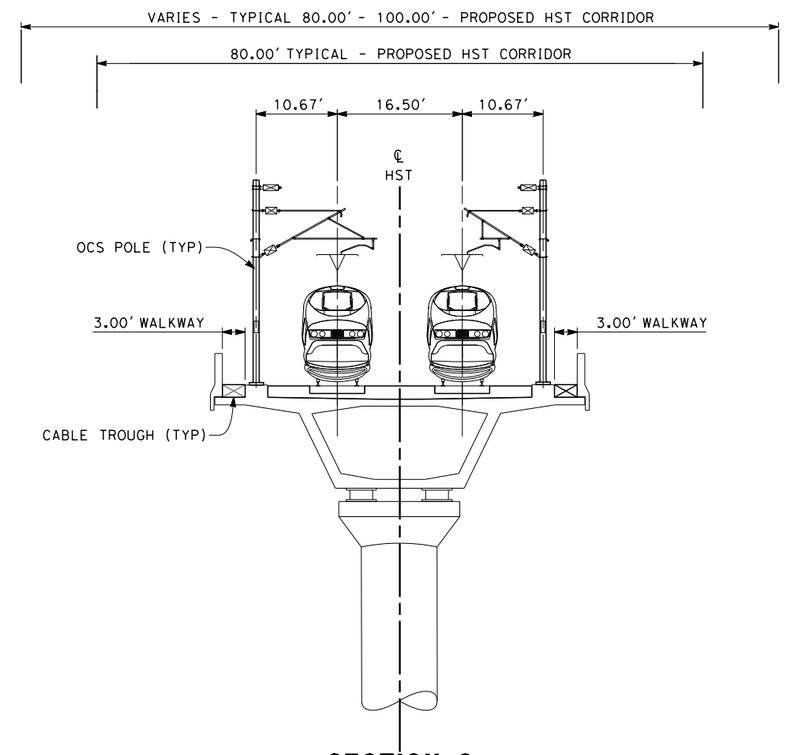
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 2

TWIN TRACK ON RETAINED EMBANKMENT
STA 6923+00 THROUGH STA 6930+70



SECTION 3

TWIN TRACK - AERIAL VIADUCT
STA 6930+70 THROUGH STA 6943+72
STA 6946+94 THROUGH STA 7011+15
STA 7024+15 THROUGH STA 7054+15
STA 7058+95 THROUGH STA 7082+85
STA 7085+05 THROUGH STA 7095+67
STA 7118+98 THROUGH STA 7207+21
STA 7213+18 THROUGH STA 7250+78
STA 7301+08 THROUGH STA 7346+58
STA 7352+58 THROUGH STA 7430+50

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3821
SCALE AS SHOWN
SHEET NO. 28 OF 31

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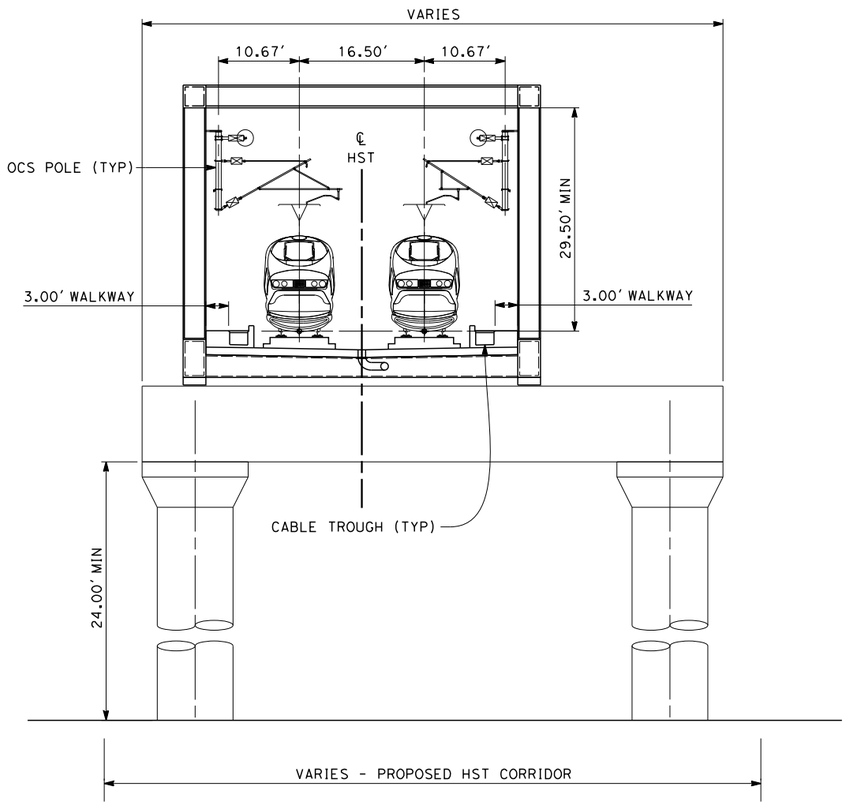
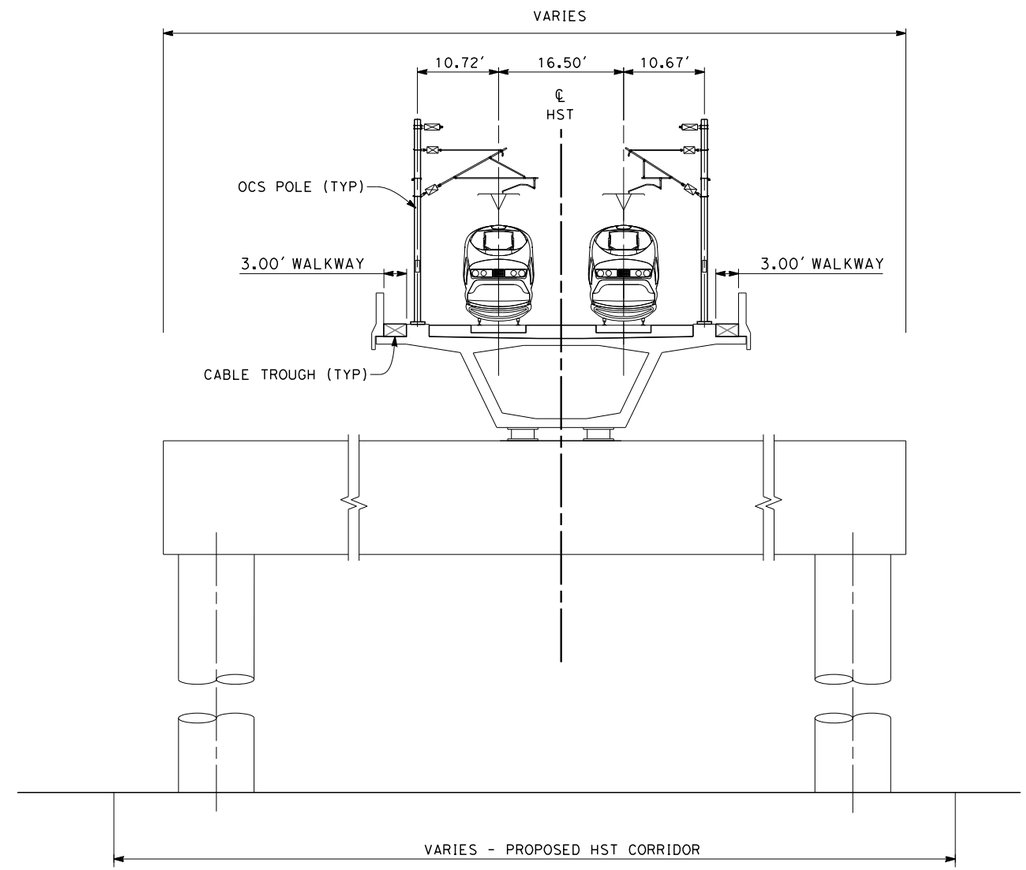
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. STRADDLE BENT FOR SECTION 4 ONLY BETWEEN STA 7095+67 THROUGH STA 7118+98 AND STA 7207+21 THROUGH 7210+78.
5. FOR INTEGRAL STRADDLES REFER TO STRUCTURAL DRAWINGS.



SECTION 4

TWIN TRACK - TRUSS WITH STRADDLE BENT
STA 6805+28 THROUGH STA 6808+46
STA 6943+72 THROUGH STA 6946+94
STA 7095+67 THROUGH STA 7118+98
STA 7207+21 THROUGH STA 7210+78



SECTION 5

TWIN TRACK - STRADDLE BENT
STA 7011+15 THROUGH STA 7024+15
STA 7054+15 THROUGH STA 7058+95
STA 7082+85 THROUGH STA 7085+05
STA 7210+78 THROUGH STA 7213+18
STA 7346+58 THROUGH STA 7352+58

10 0 10 20
1"=10′

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3822
SCALE AS SHOWN
SHEET NO. 29 OF 31

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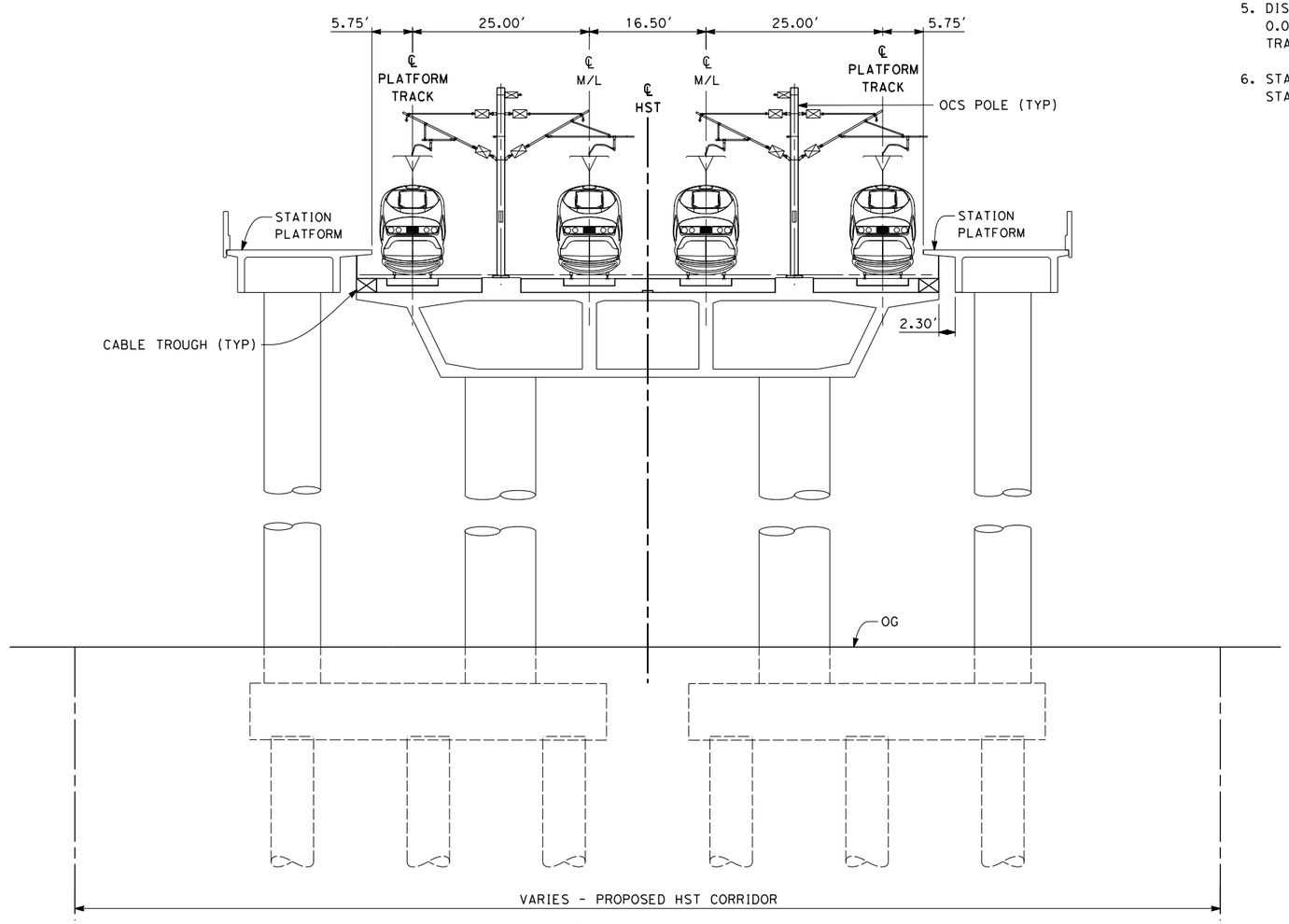
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.
5. DISTANCE BETWEEN PLATFORM AND MAIN LINE TRACKS VARIES FROM 0.00'-25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL. FOUR TRACKS BEGINS AT TURNOUTS (STA 7251+95.11).
6. STATION PLATFORM LOCATED BETWEEN STA 7262+71.91 THROUGH STA 7276+81.91



SECTION 6

FOUR TRACK ELEVATED STATION
STA 7250+78 THROUGH STA 7277+48

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

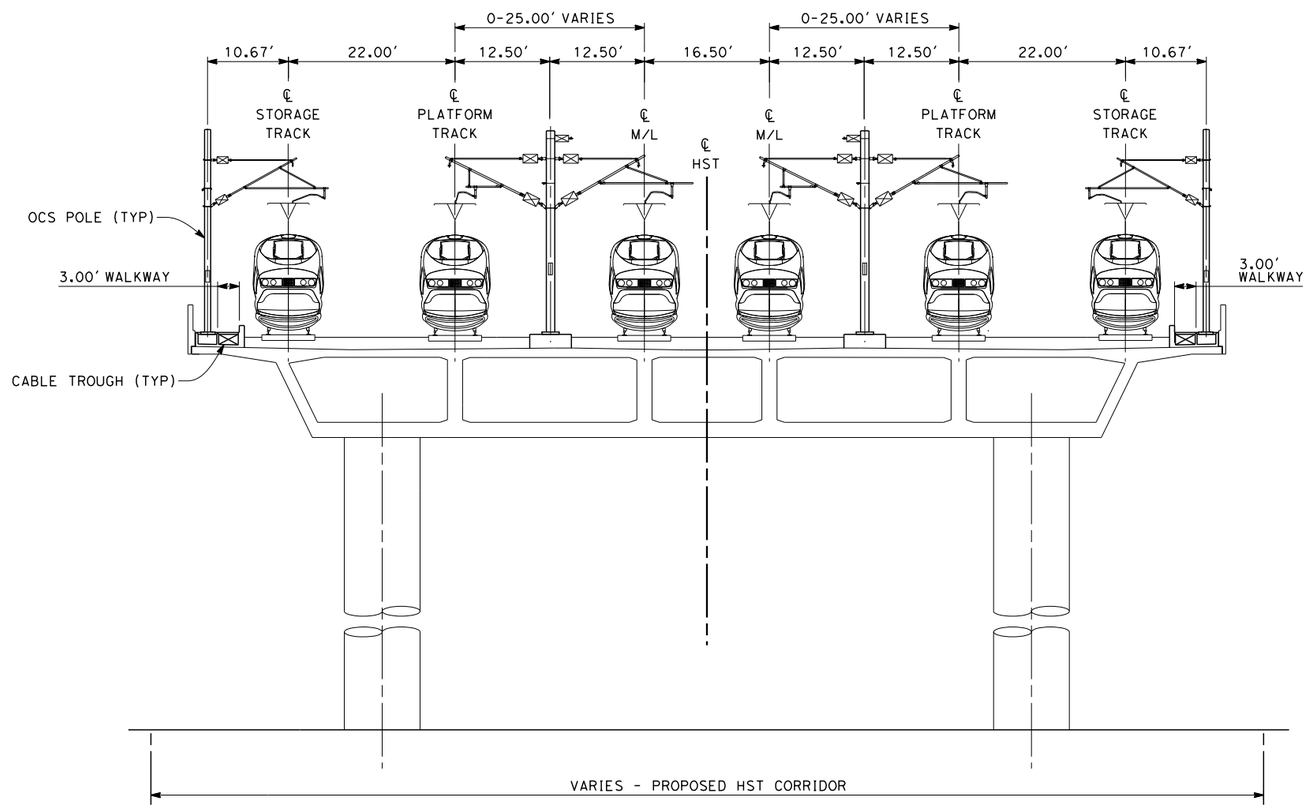
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3823
SCALE AS SHOWN
SHEET NO. 30 OF 31

josue.enriquez12/11/2013 9:29:45 AM $PENTBLS$ $PLTDRVS$ c:\pwworking\hmm\external\josue.enriquez-arup.com\dms70627\FB-CB-3823.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.
5. DISTANCE BETWEEN PLATFORM AND STORAGE TRACKS VARIES FROM 0.00'-22.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.
6. DISTANCE BETWEEN PLATFORM AND MAIN LINE TRACKS VARIES FROM 0.00'-25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 7

SIX TRACK ELEVATED BOX GIRDER
STA 7277+48 THROUGH STA 7301+08

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. ENRIQUEZ
DRAWN BY E. TANAKA
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3824
SCALE AS SHOWN
SHEET NO. 31 OF 31

josue.enriquez12/11/2013 9:29:55 AM $PENTBLS$ $PLTDRVS$ c:\pwworking\hmm\external\josue.enriquez-arup.com\dms70627\FB-CB-3824.dgn