REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA 1974+00 TO 2599+10
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1275
SCALE AS SHOWN
SHEET NO. 1 OF 16

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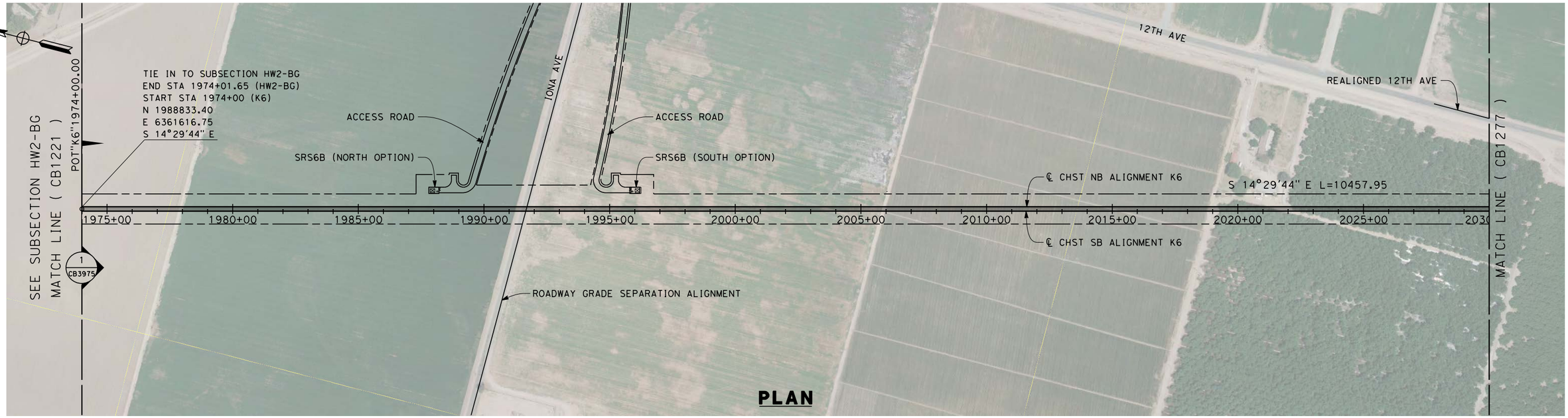

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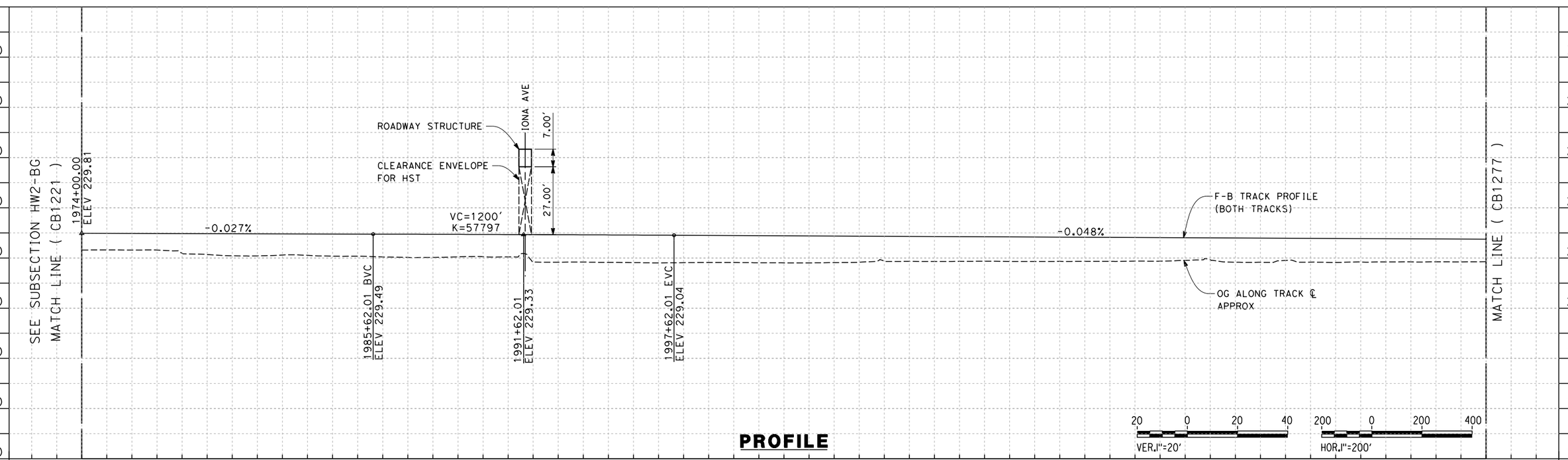

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 1974+00 TO 2030+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1276
SCALE AS SHOWN
SHEET NO. 2 OF 16

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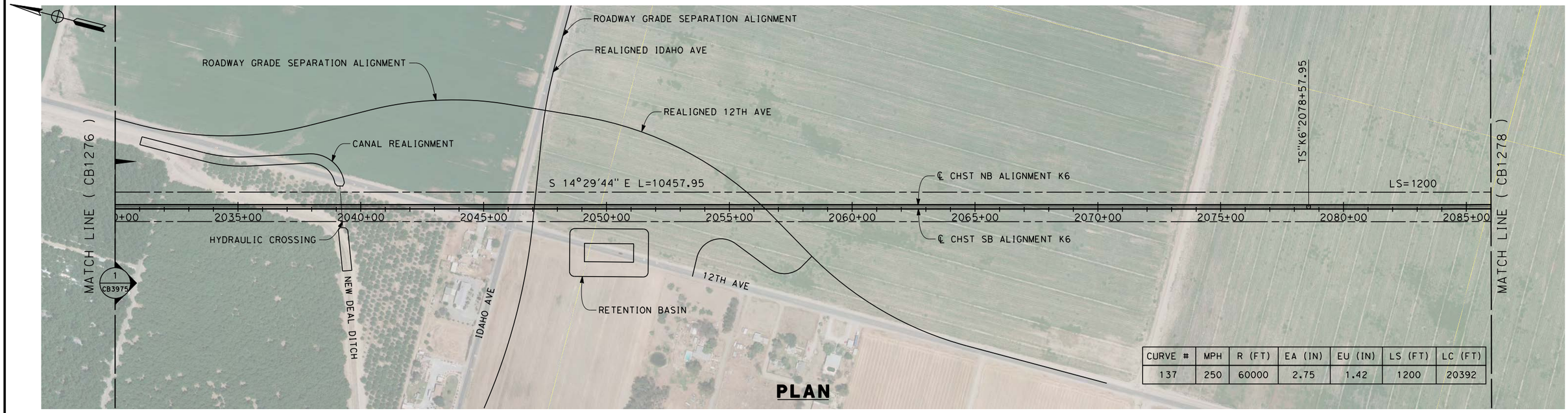
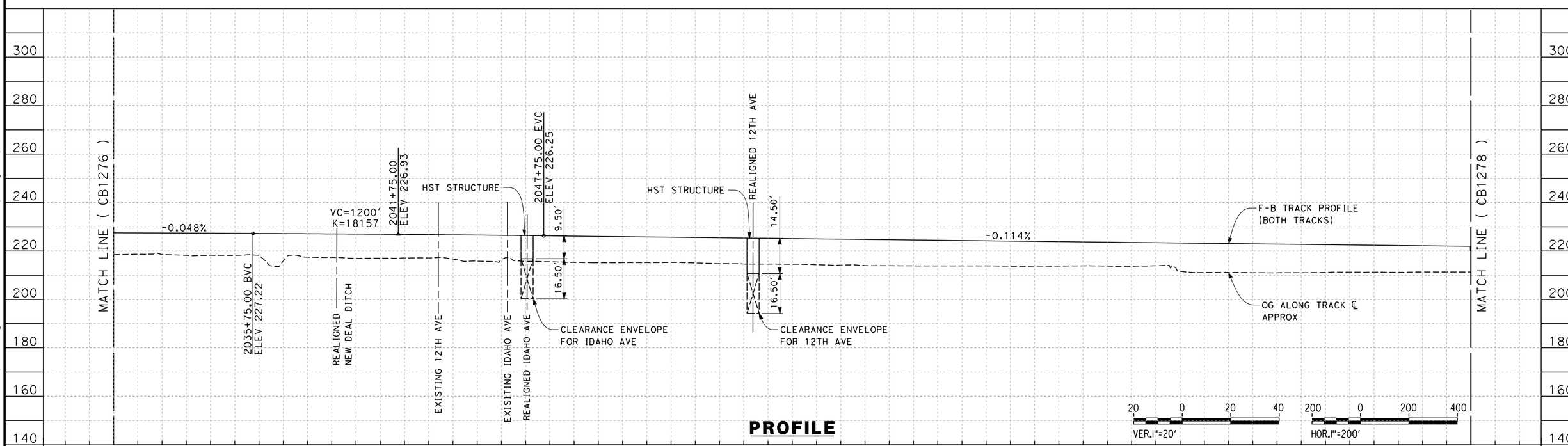


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
137	250	60000	2.75	1.42	1200	20392

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2030+00 TO 2086+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1277
SCALE AS SHOWN
SHEET NO. 3 OF 16

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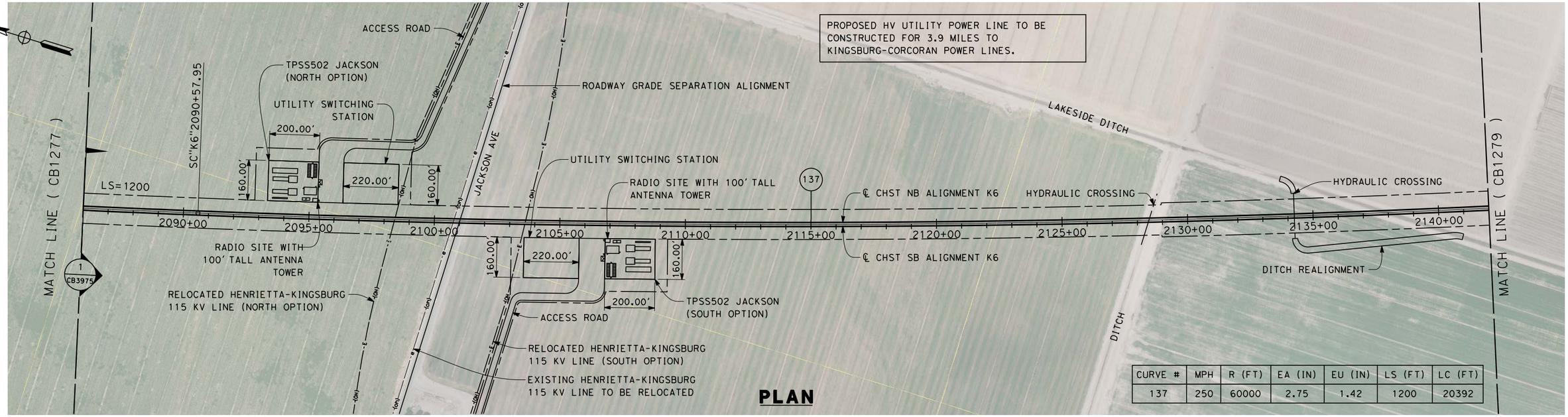
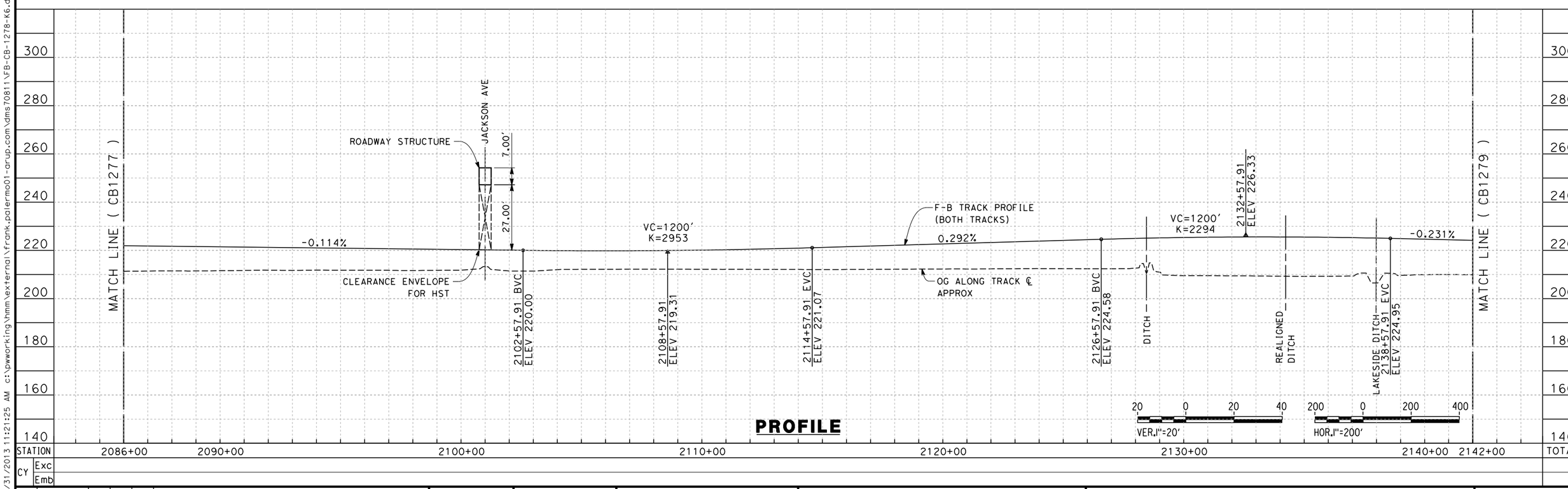


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
137	250	60000	2.75	1.42	1200	20392



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2086+00 TO 2142+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1278
SCALE AS SHOWN
SHEET NO. 4 OF 16

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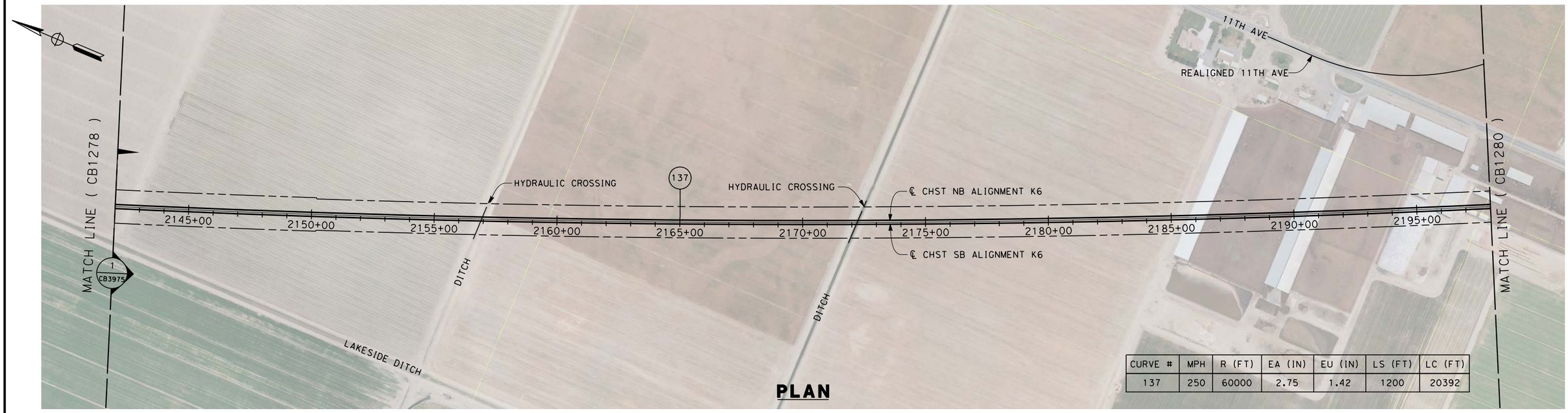
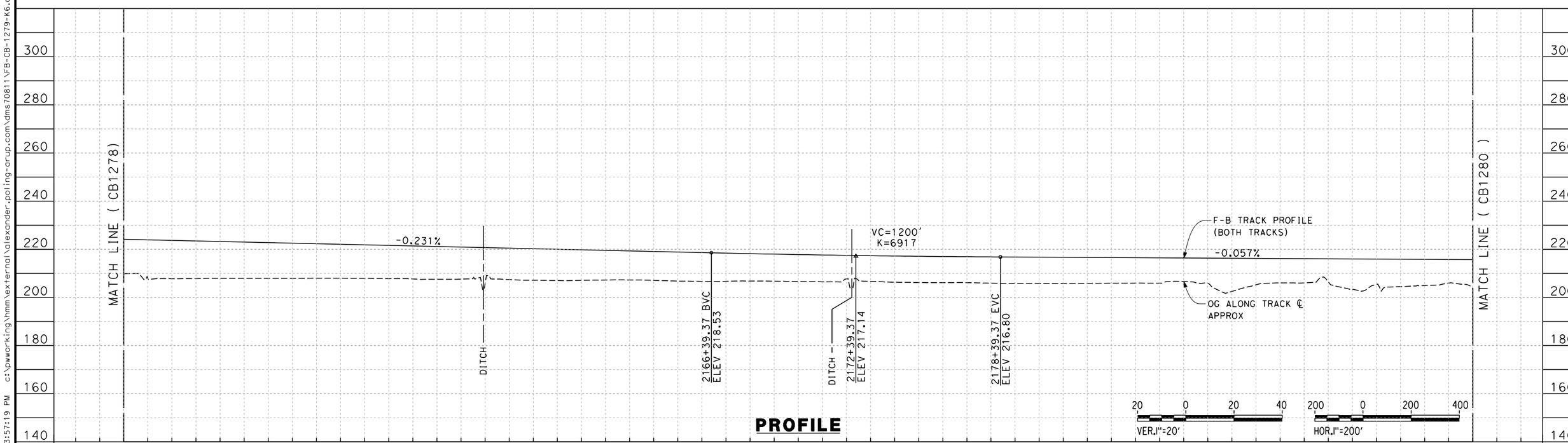


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
137	250	60000	2.75	1.42	1200	20392

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2142+00 TO 2198+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1279
SCALE AS SHOWN
SHEET NO. 5 OF 16

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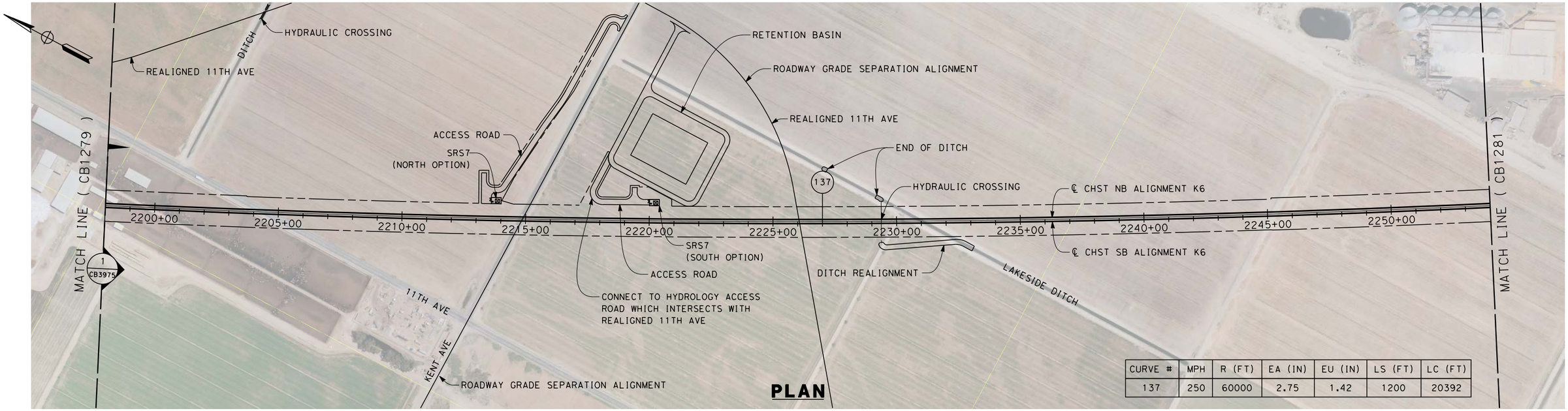
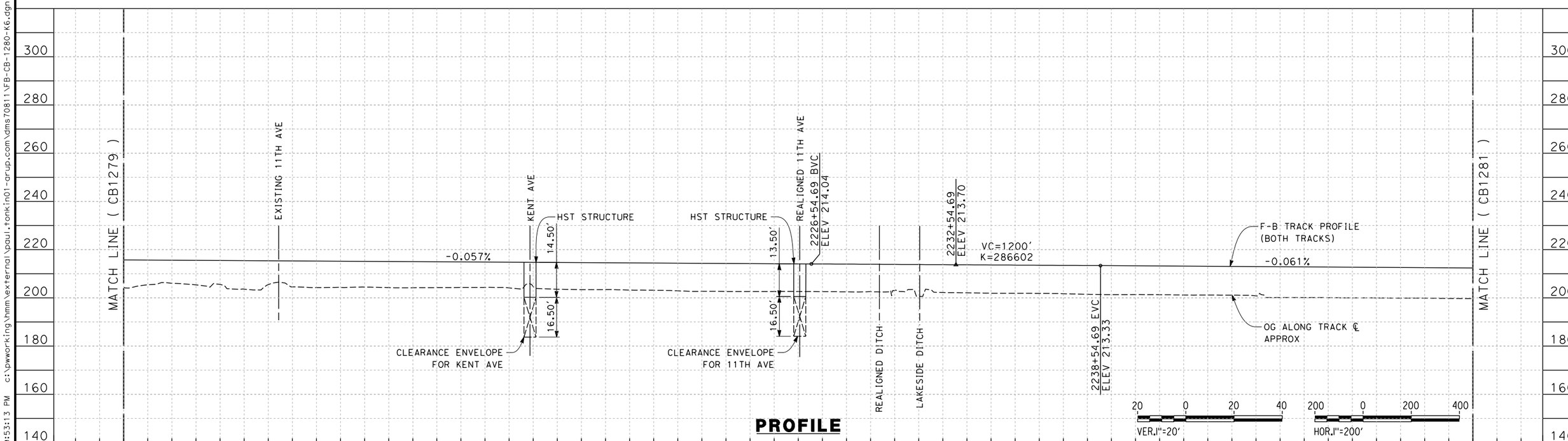


PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
137	250	60000	2.75	1.42	1200	20392



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2198+00 TO 2254+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1280
SCALE AS SHOWN
SHEET NO. 6 OF 16

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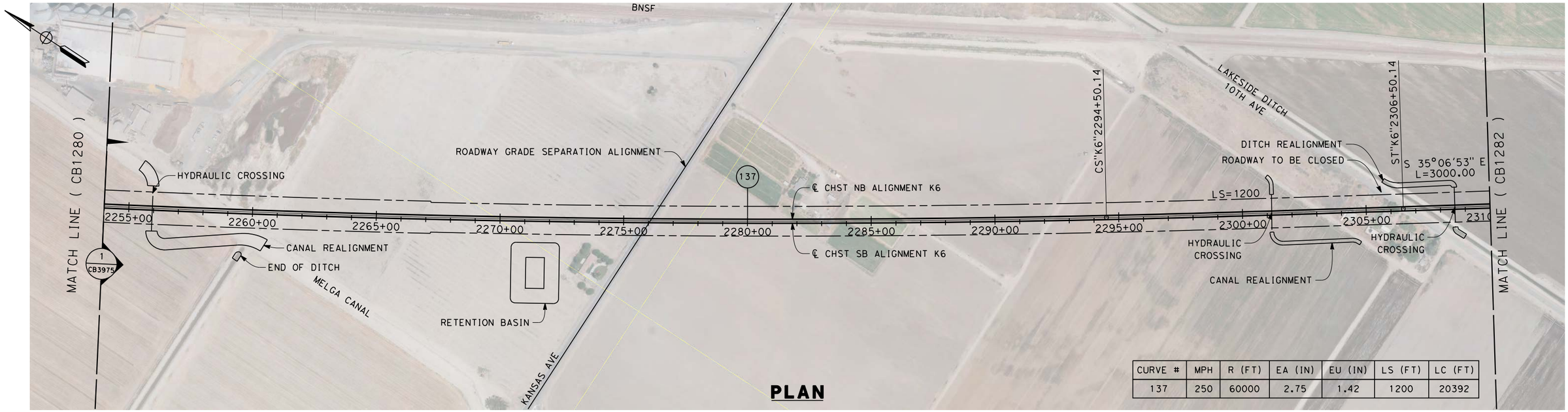
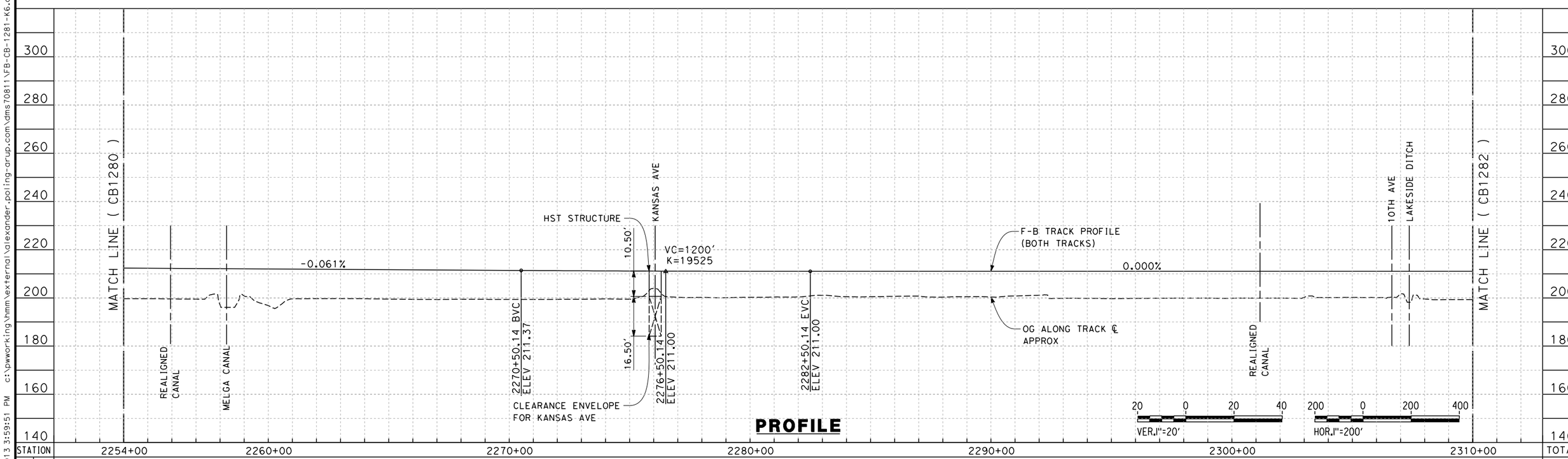


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
137	250	60000	2.75	1.42	1200	20392

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2254+00 TO 2310+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1281
SCALE AS SHOWN
SHEET NO. 7 of 16

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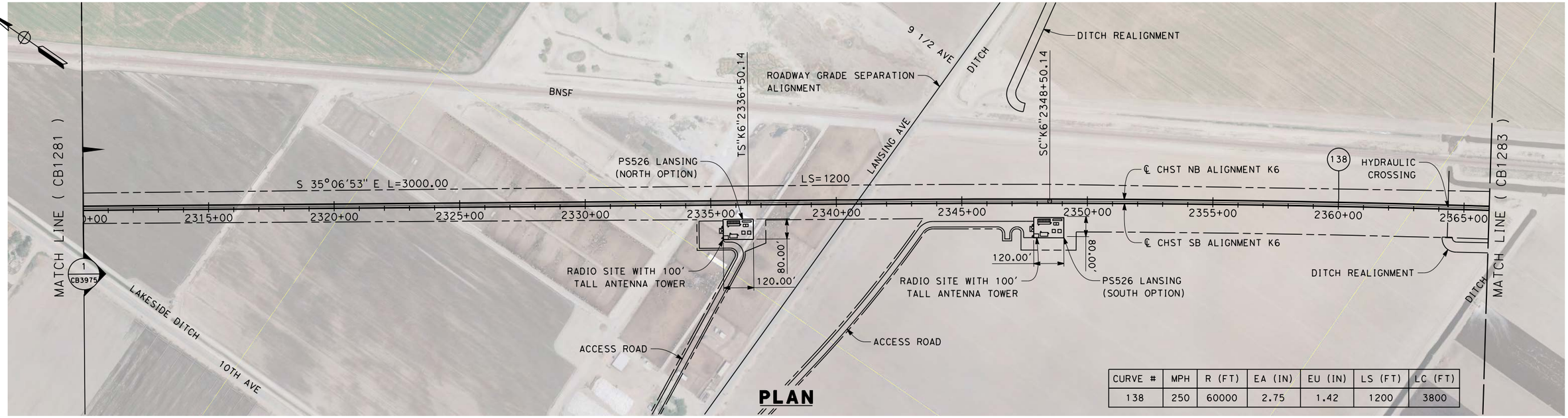

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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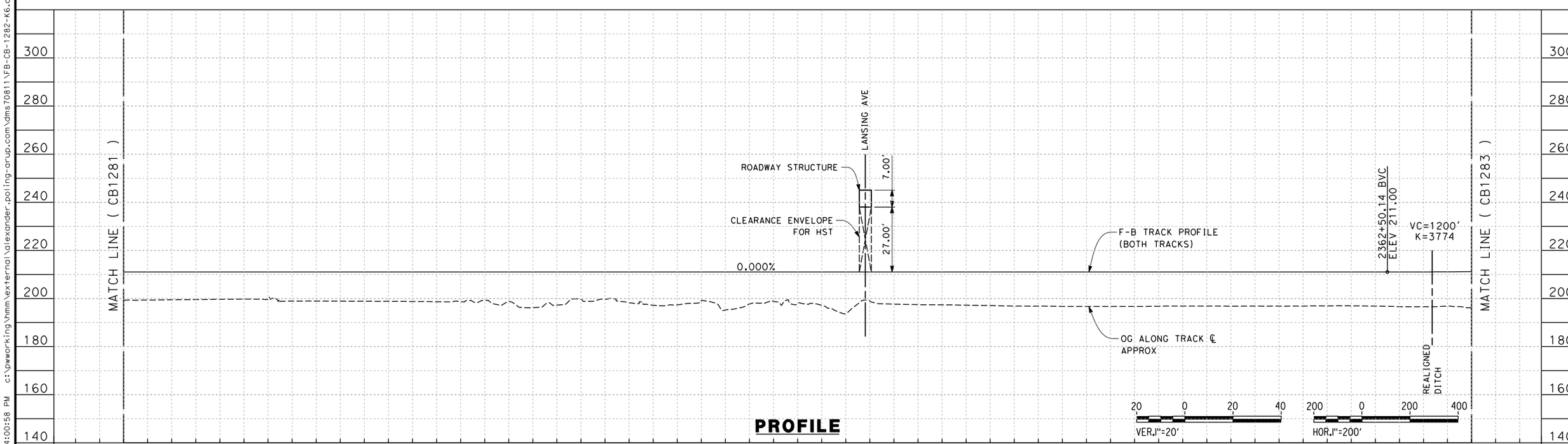

STATION	2310+00	2320+00	2330+00	2340+00	2350+00	2360+00	2366+00	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2310+00 TO 2366+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1282
SCALE AS SHOWN
SHEET NO. 8 OF 16

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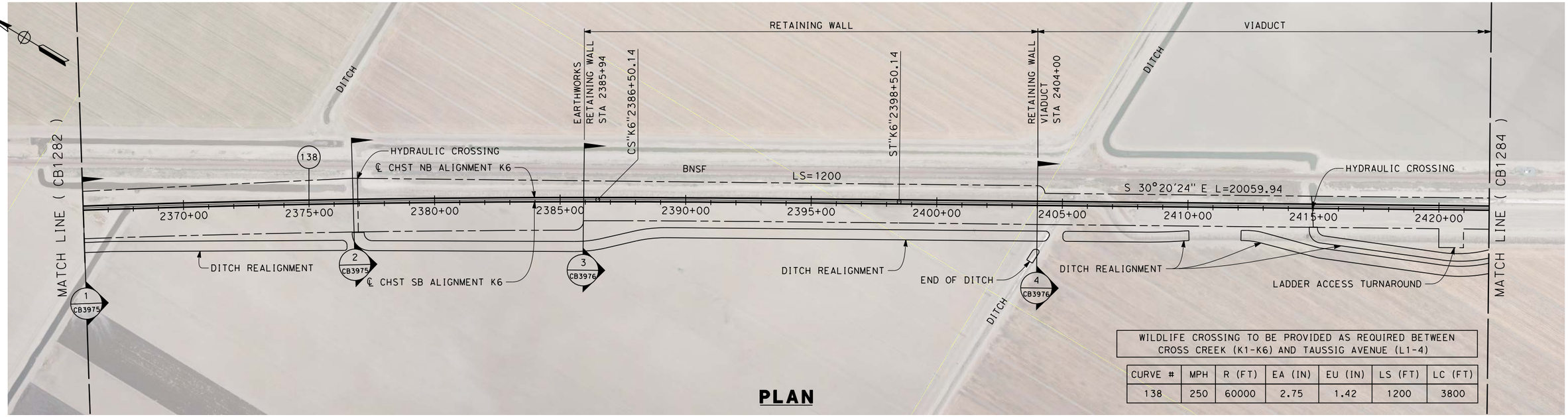
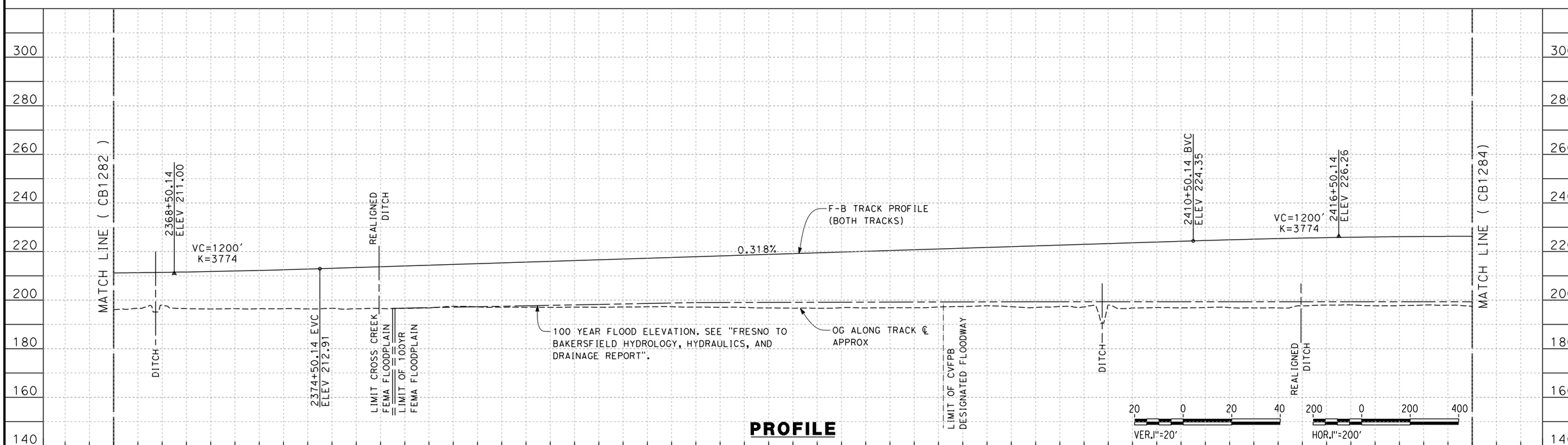


WILDLIFE CROSSING TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-K6) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
138	250	60000	2.75	1.42	1200	3800

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2366+00 TO 2422+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1283
SCALE AS SHOWN
SHEET NO. 9 OF 16

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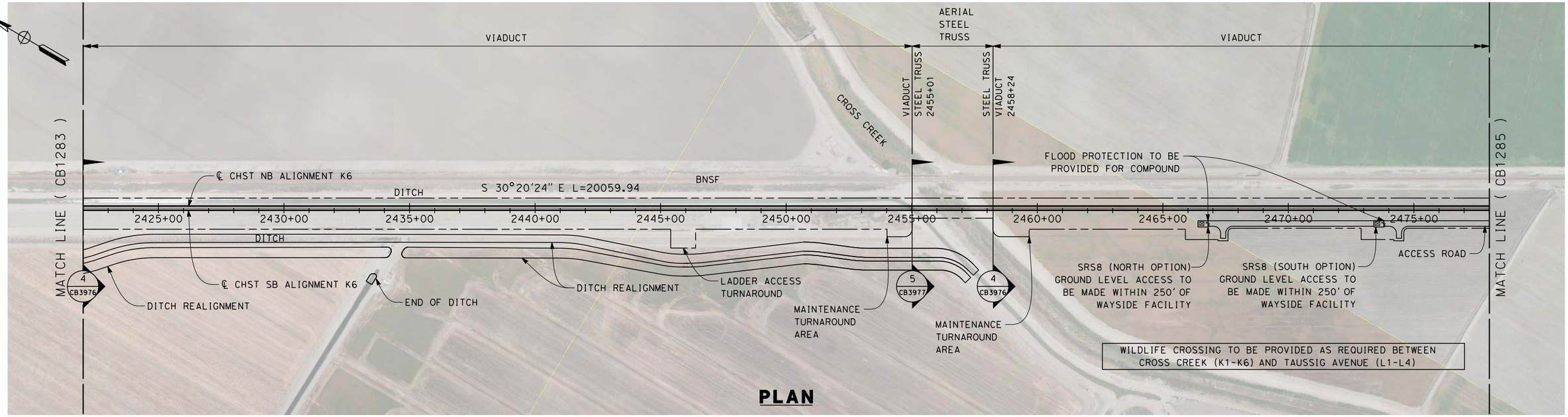

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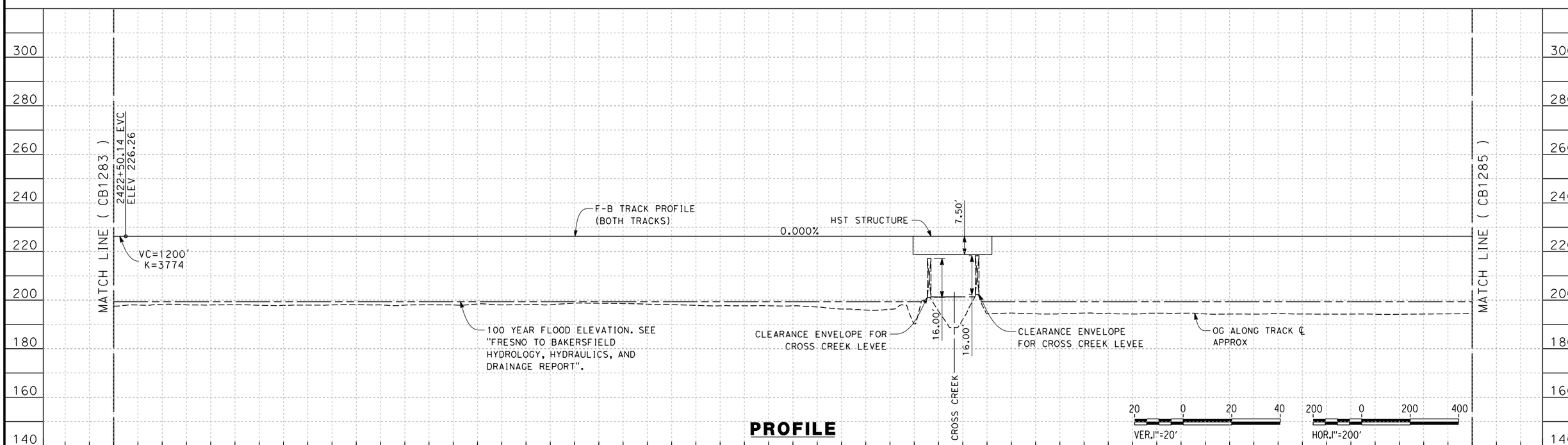

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2422+00 TO 2478+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1284
SCALE AS SHOWN
SHEET NO. 10 OF 16

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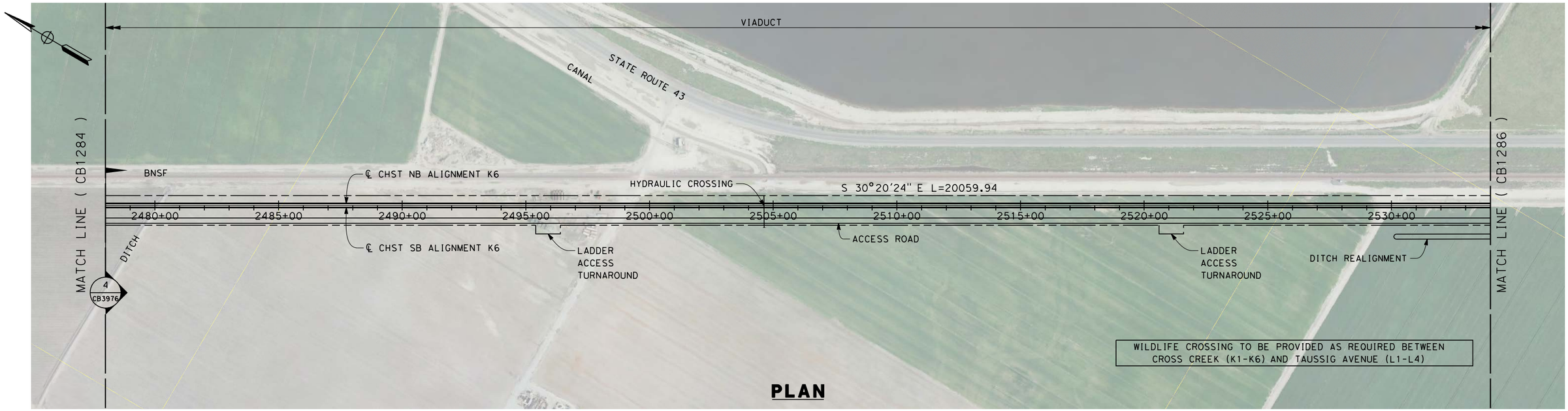
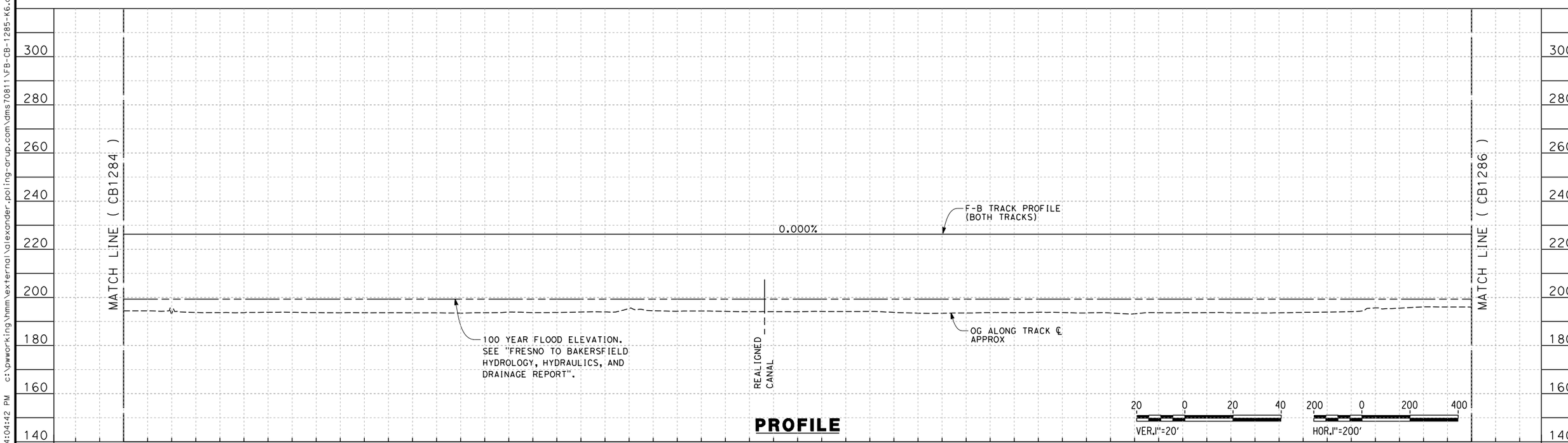


PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J.BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2478+00 TO 2534+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1285
SCALE AS SHOWN
SHEET NO. 11 OF 16

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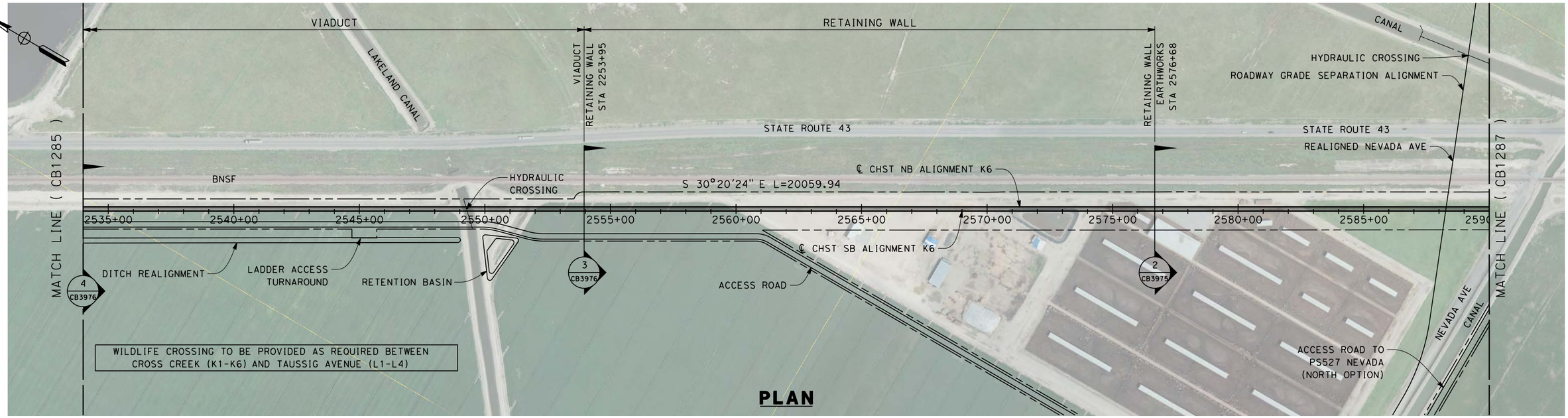

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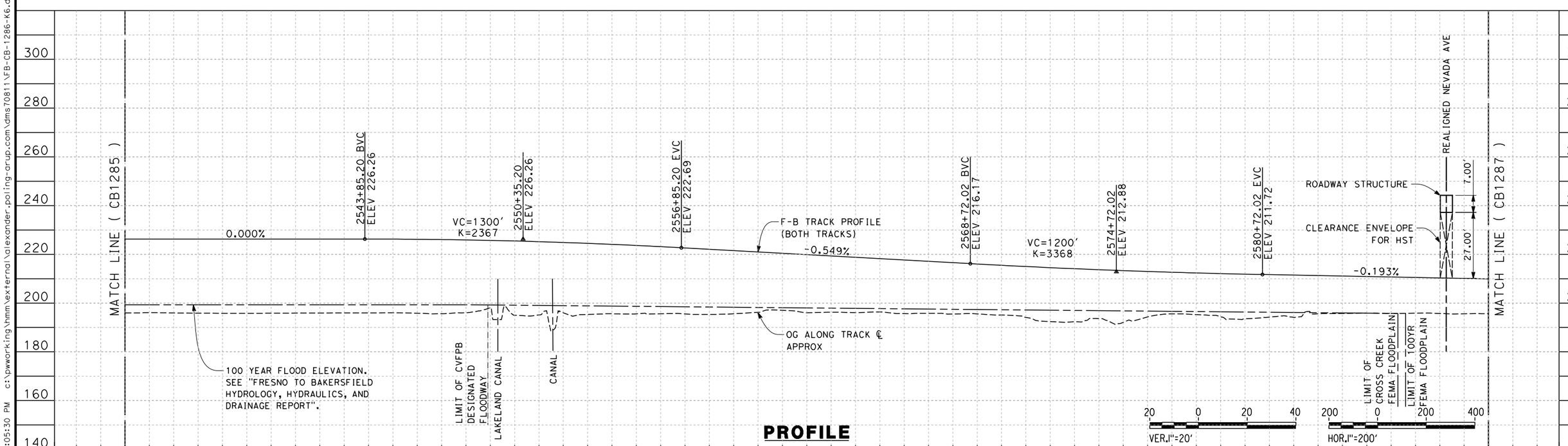

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2534+00 TO 2590+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1286
SCALE AS SHOWN
SHEET NO. 12 OF 16

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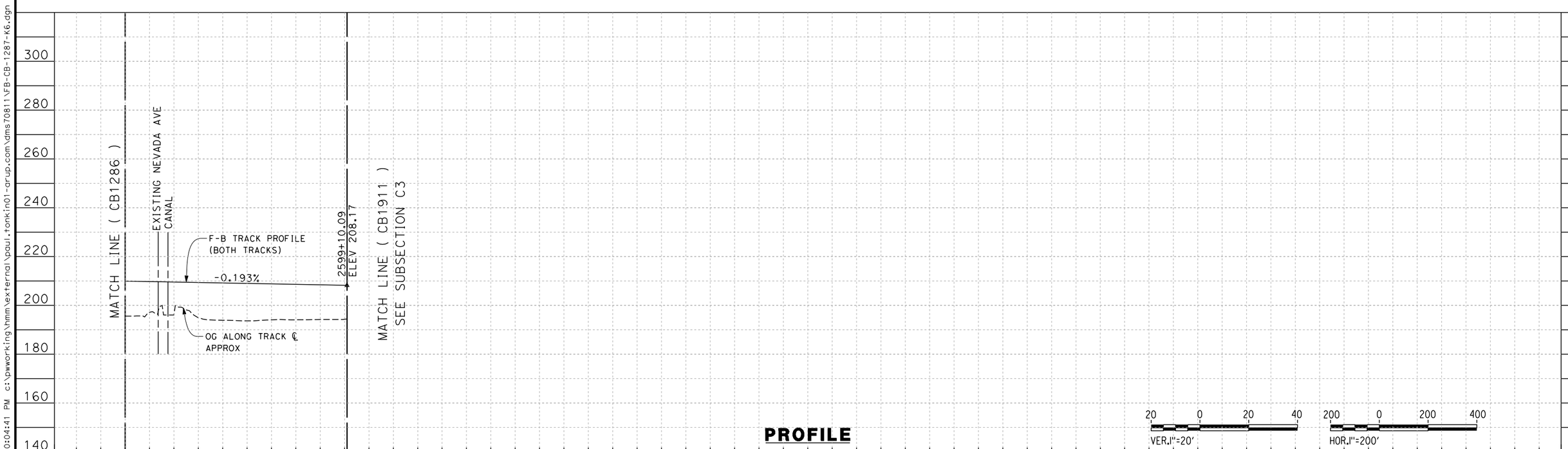
PLAN



PROFILE

STATION	2590+00	2599+10	TOTAL
CY Exc			
CY Emb			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
STA. 2590+00 TO 2599+10
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1287
SCALE AS SHOWN
SHEET NO. 13 OF 16

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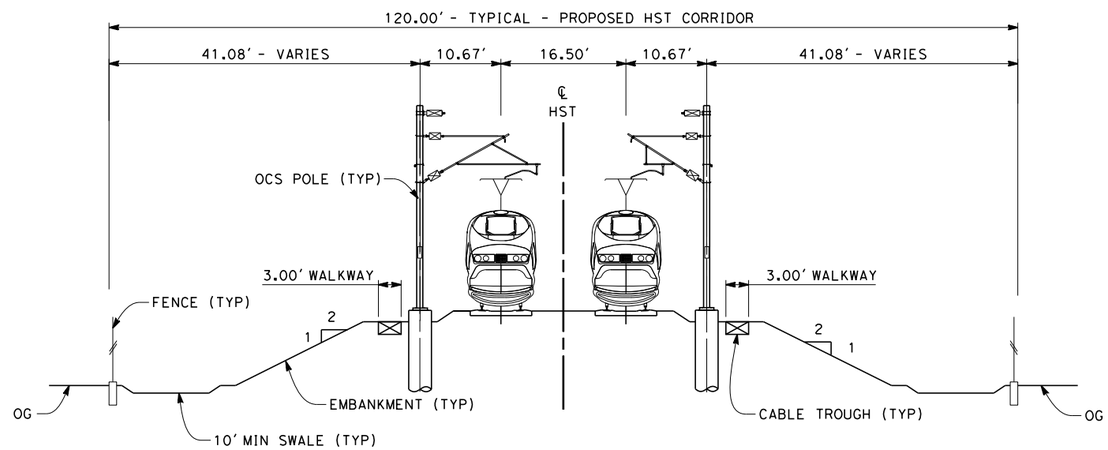
paul.tonkin

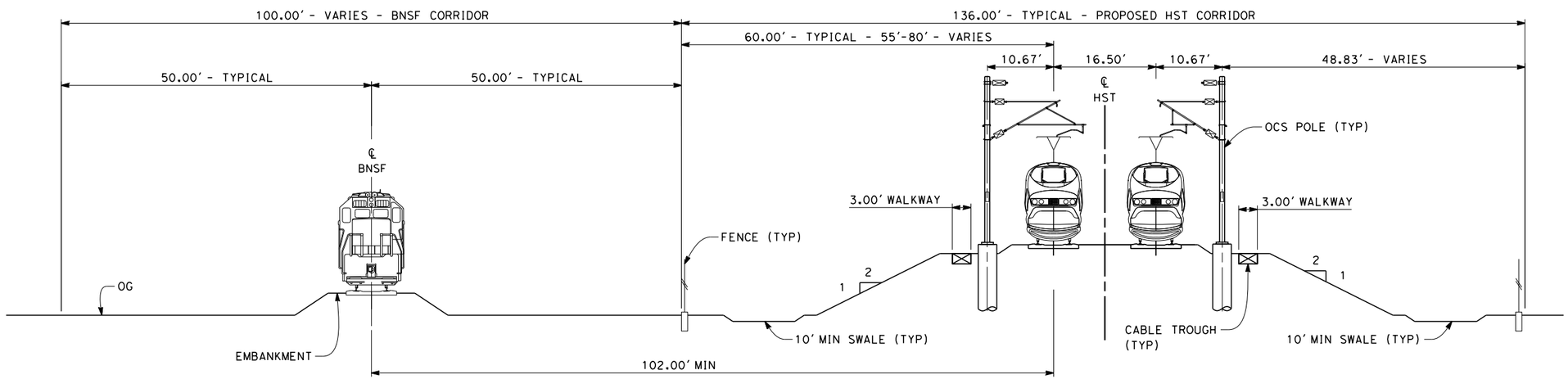
NOTES:

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



SECTION 1

TWIN TRACK AT GRADE
STA 1974+00 THROUGH STA 2376+75



SECTION 2

TWIN TRACK, ADJACENT TO SINGLE TRACK BNSF
STA 2376+75 THROUGH STA 2385+94
STA 2576+68 THROUGH STA 2599+10

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3975
SCALE AS SHOWN
SHEET NO. 14 OF 16

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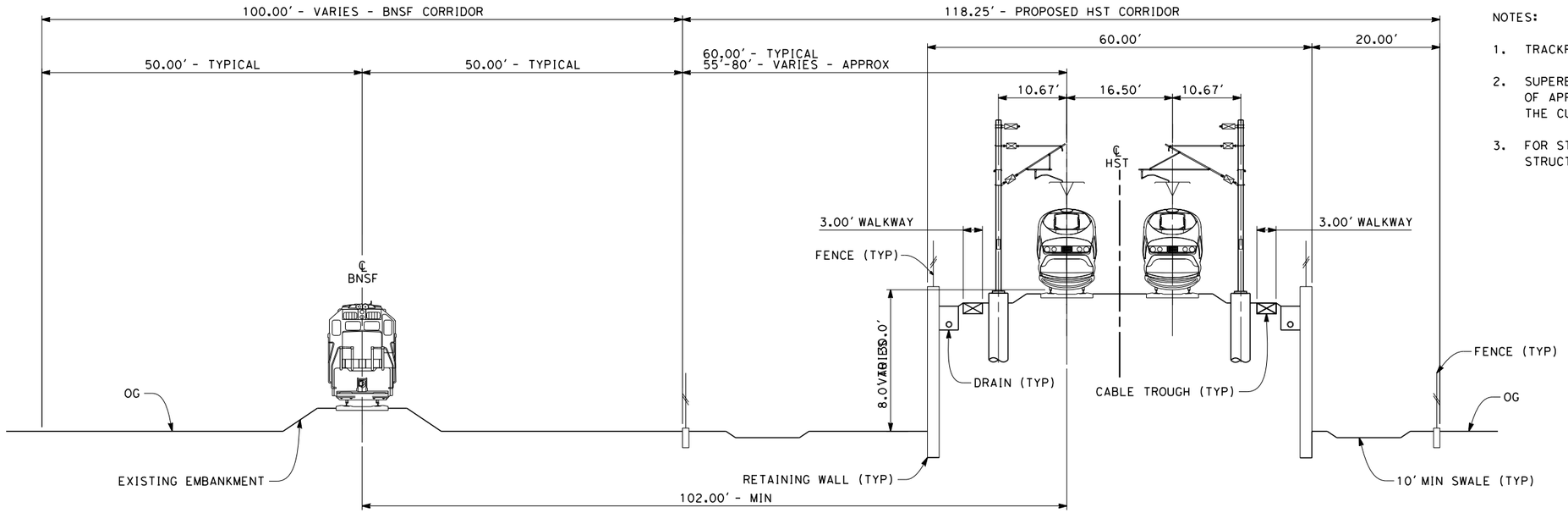
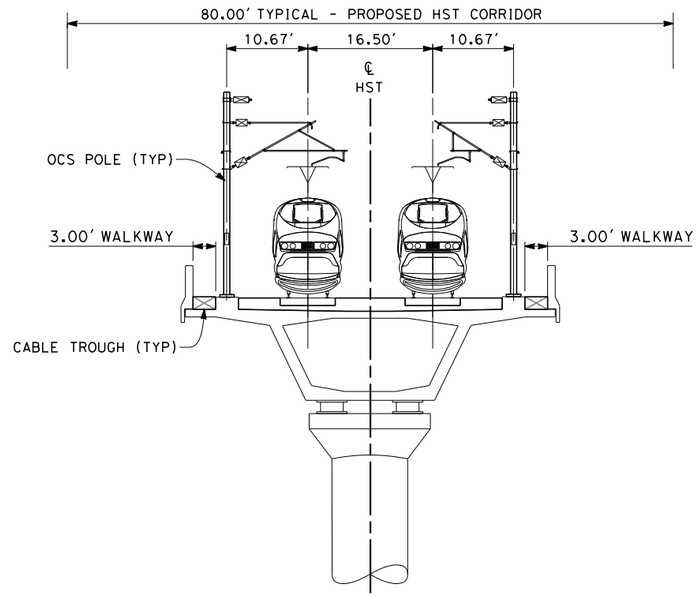


NOTES:

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.

SECTION 3

TWIN TRACK ON RETAINED EMBANKMENT ADJACENT TO BNSF
STA 2385+94 THROUGH STA 2404+00
STA 2553+95 THROUGH STA 2576+68



SECTION 4

TWIN TRACK AERIAL VIADUCT
STA 2404+00 THROUGH STA 2455+01
STA 2458+24 THROUGH STA 2553+95

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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

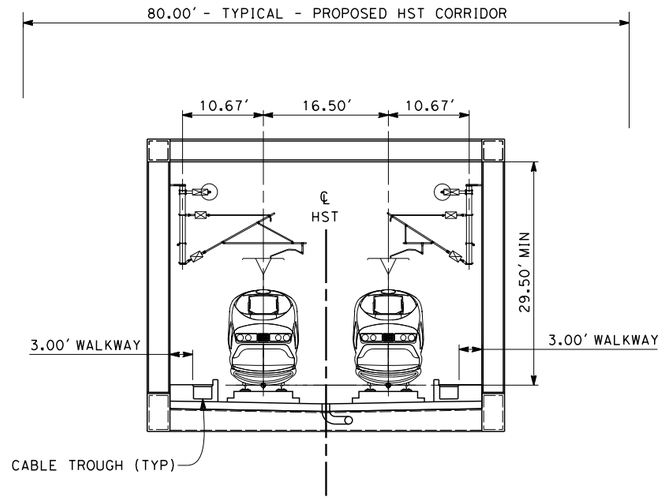
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K6
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3976
SCALE AS SHOWN
SHEET NO. 15 OF 16

alexander.poling/11/2013 4:07:55 PM $PENTBLS$ $PLTDRVS$ c:\pwworking\hmm\external\alexander.poling-arup.com\dms70811\FB-CB-3976-K6.dgn

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.



SECTION 5

TWIN TRACK TRUSS
STA 2455+01 THROUGH STA 2458+24

10 0 10 20
1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
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
KAWEAH SUBSECTION
ALIGNMENT K6
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3977
SCALE AS SHOWN
SHEET NO. 16 OF 16

paul.tonkin 12/12/2013 10:08:35 PM $PENTBLS$ $PLTDRVS$ c:\pwworking\hmm\external\paul.tonkin01-arup.com\dms70811\FB-CB-3977-K6.dgn