California High-Speed Rail Authority

RFP No.: HSR 13-57

Request for Proposals for Design-Build Services for Construction Package 2-3

Reference Material, Part B.1
Preliminary Design Plans – AD3

GENERAL SHEETS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
TT-B0001		ALIGNMENT - LOCATION MAP	1 OF 8
GE-A0019	A	ALIGNMENT - INDEX OF SHEETS (SHEET 1 OF 2)	2 OF 8
GE-A0020	B	ALIGNMENT - INDEX OF SHEETS (SHEET 2 OF 2)	3 OF 8
CB0010		GENERAL - ABBREVIATIONS AND LEGENDS	4 OF 8
CB0011		GENERAL - ABBREVIATIONS AND LEGENDS	5 OF 8
CB0012		ALIGNMENT - CURVE DATA - SHEET 1 OF 2	6 OF 8
CB0013		ALIGNMENT - CURVE DATA - SHEET 2 OF 2	7 OF 8
CB0016		WILDLIFE CROSSINGS - LOCATION MAP	8 OF 8

SYSTEMS SHEETS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
TB-B0001		TRACTION POWER FACILITY, CROSSOVER AND STATION - LOCATION EXHIBIT	1 OF 1

A

ALIGNMENT F1 - FRESNO SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1650		FRESNO SUBSECTION - ALIGNMENT F1 - STA. 257+24 TO 627+07 - KEY MAP	1 OF 24
~~CB1657~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 257+24 TO 261+00 - PLAN AND PROFILE~~	~~2 OF 24~~
~~CB1658~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 261+00 TO 275+00 - PLAN AND PROFILE~~	~~3 OF 24~~
~~CB1659~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 275+00 TO 289+00 - PLAN AND PROFILE~~	~~4 OF 24~~
~~CB1660~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 289+00 TO 303+00 - PLAN AND PROFILE~~	~~5 OF 24~~
~~CB1661~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 303+00 TO 317+25 - PLAN AND PROFILE~~	~~6 OF 24~~
~~CB1662~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 317+25 TO 345+00 - PLAN AND PROFILE~~	~~7 OF 24~~
~~CB1663~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 345+00 TO 373+00 - PLAN AND PROFILE~~	~~8 OF 24~~
~~CB1664~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 373+00 TO 401+00 - PLAN AND PROFILE~~	~~9 OF 24~~
~~CB1665~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 401+00 TO 429+00 - PLAN AND PROFILE~~	~~10 OF 24~~
~~CB1666~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 429+00 TO 457+00 - PLAN AND PROFILE~~	~~11 OF 24~~
~~CB1667~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 457+00 TO 485+00 - PLAN AND PROFILE~~	~~12 OF 24~~
~~CB1668~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 485+00 TO 513+00 - PLAN AND PROFILE~~	~~13 OF 24~~
~~CB1669~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 513+00 TO 541+00 - PLAN AND PROFILE~~	~~14 OF 24~~
~~CB1670~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - STA. 541+00 TO 569+00 - PLAN AND PROFILE~~	~~15 OF 24~~
CB1671	A	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 569+00 TO 598+00 - PLAN AND PROFILE	16 OF 24
CB1672	A	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 598+00 TO 627+07 - PLAN AND PROFILE	17 OF 24
~~CB3010~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~18 OF 24~~
~~CB3011~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~19 OF 24~~
~~CB3012~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~20 OF 24~~
~~CB3013~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~21 OF 24~~
~~CB3014~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~22 OF 24~~
~~CB3015~~		~~FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS~~	~~23 OF 24~~
CB3016		FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	24 OF 24

ALIGNMENT M - MONMOUTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1790		MONMOUTH SUBSECTION - ALIGNMENT M - STA. 630+25 TO 1065+07 - KEY MAP	1 OF 11
CB1791	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 630+25 TO 687+00 - PLAN AND PROFILE	2 OF 11
CB1792	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 687+00 TO 743+00 - PLAN AND PROFILE	3 OF 11
CB1793	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 743+00 TO 799+00 - PLAN AND PROFILE	4 OF 11
CB1794	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 799+00 TO 855+00 - PLAN AND PROFILE	5 OF 11
CB1795	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 855+00 TO 911+00 - PLAN AND PROFILE	6 OF 11
CB1796	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 911+00 TO 967+00 - PLAN AND PROFILE	7 OF 11
CB1797	A	MONMOUTH SUBSECTION - ALIGNMENT M - STA. 967+00 TO 1023+00 - PLAN AND PROFILE	8 OF 11
CB1798		MONMOUTH SUBSECTION - ALIGNMENT M - STA. 1023+00 TO 1065+07 - PLAN AND PROFILE	9 OF 11
CB3140		MONMOUTH SUBSECTION - ALIGNMENT M - CROSS SECTIONS	10 OF 11
CB3141		MONMOUTH SUBSECTION - ALIGNMENT M - CROSS SECTIONS	11 OF 11

ALIGNMENT H - HANFORD SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1800		HANFORD SUBSECTION - ALIGNMENT H - STA. 1065+07 TO 2144+63 - KEY MAP	1 OF 31
CB1808		HANFORD SUBSECTION - ALIGNMENT H - STA. 1065+07 TO 1080+00 - PLAN AND PROFILE	2 OF 31
CB1809		HANFORD SUBSECTION - ALIGNMENT H - STA. 1080+00 TO 1136+00 - PLAN AND PROFILE	3 OF 31
CB1810		HANFORD SUBSECTION - ALIGNMENT H - STA. 1136+00 TO 1192+00 - PLAN AND PROFILE	4 OF 31
CB1811	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1192+00 TO 1248+00 - PLAN AND PROFILE	5 OF 31
CB1812		HANFORD SUBSECTION - ALIGNMENT H - STA. 1248+00 TO 1304+00 - PLAN AND PROFILE	6 OF 31
CB1813	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1304+00 TO 1360+00 - PLAN AND PROFILE	7 OF 31
CB1814		HANFORD SUBSECTION - ALIGNMENT H - STA. 1360+00 TO 1416+00 - PLAN AND PROFILE	8 OF 31
CB1815	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1416+00 TO 1472+00 - PLAN AND PROFILE	9 OF 31
CB1816		HANFORD SUBSECTION - ALIGNMENT H - STA. 1472+00 TO 1528+00 - PLAN AND PROFILE	10 OF 31
CB1817		HANFORD SUBSECTION - ALIGNMENT H - STA. 1528+00 TO 1584+00 - PLAN AND PROFILE	11 OF 31
CB1818	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1584+00 TO 1640+00 - PLAN AND PROFILE	12 OF 31
CB1819		HANFORD SUBSECTION - ALIGNMENT H - STA. 1640+00 TO 1696+00 - PLAN AND PROFILE	13 OF 31
CB1820	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1696+00 TO 1752+00 - PLAN AND PROFILE	14 OF 31
CB1821		HANFORD SUBSECTION - ALIGNMENT H - STA. 1752+00 TO 1808+00 - PLAN AND PROFILE	15 OF 31
CB1822	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1808+00 TO 1864+00 - PLAN AND PROFILE	16 OF 31
CB1823		HANFORD SUBSECTION - ALIGNMENT H - STA. 1864+00 TO 1914+00 - PLAN AND PROFILE	17 OF 31
CB1824		HANFORD SUBSECTION - ALIGNMENT H - STA. 1914+00 TO 1928+00 - PLAN AND PROFILE	18 OF 31
CB1825		HANFORD SUBSECTION - ALIGNMENT H - STA. 1928+00 TO 1942+00 - PLAN AND PROFILE	19 OF 31
CB1826		HANFORD SUBSECTION - ALIGNMENT H - STA. 1942+00 TO 1956+00 - PLAN AND PROFILE	20 OF 31
CB1827		HANFORD SUBSECTION - ALIGNMENT H - STA. 1956+00 TO 1970+00 - PLAN AND PROFILE	21 OF 31
CB1828		HANFORD SUBSECTION - ALIGNMENT H - STA. 1970+00 TO 1984+00 - PLAN AND PROFILE	22 OF 31
CB1829	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 1984+00 TO 2032+00 - PLAN AND PROFILE	23 OF 31
CB1830	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 2032+00 TO 2088+00 - PLAN AND PROFILE	24 OF 31
CB1831	A	HANFORD SUBSECTION - ALIGNMENT H - STA. 2088+00 TO 2144+63 - PLAN AND PROFILE	25 OF 31
CB3151		HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	26 OF 31
CB3152		HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	27 OF 31
CB3153	A	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	28 OF 31
CB3154		HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	29 OF 31
CB3155		HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	30 OF 31
CB3156		HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	31 OF 31

ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 02/04/14

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT
INDEX OF SHEETS
SHEET 1 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0019-A3
SCALE NO SCALE
SHEET NO. 2 OF 8

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ALIGNMENT K4 - KAWEAH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1130		KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2074+96 TO 2598+60 - KEY MAP	1 OF 15
CB1131	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2074+96 TO 2130+00 - PLAN AND PROFILE	2 OF 15
CB1132	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2130+00 TO 2186+00 - PLAN AND PROFILE	3 OF 15
CB1133	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2186+00 TO 2242+00 - PLAN AND PROFILE	4 OF 15
CB1134	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2242+00 TO 2298+00 - PLAN AND PROFILE	5 OF 15
CB1135	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2298+00 TO 2354+00 - PLAN AND PROFILE	6 OF 15
CB1136	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2354+00 TO 2410+00 - PLAN AND PROFILE	7 OF 15
CB1137		KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2410+00 TO 2466+00 - PLAN AND PROFILE	8 OF 15
CB1138	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2466+00 TO 2522+00 - PLAN AND PROFILE	9 OF 15
CB1139	A	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2522+00 TO 2578+00 - PLAN AND PROFILE	10 OF 15
CB1140		KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2578+00 TO 2598+60 - PLAN AND PROFILE	11 OF 15
CB3171	A	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	12 OF 15
CB3172	A	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	13 OF 15
CB3173		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	14 OF 15
CB3174		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	15 OF 15

ALIGNMENT C2 - CORCORAN SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1850		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2594+81 TO 3096+00 - KEY MAP	1 OF 16
CB1861	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2594+81 TO 2650+00 - PLAN AND PROFILE	2 OF 16
CB1862	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2650+00 TO 2706+00 - PLAN AND PROFILE	3 OF 16
CB1863	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2706+00 TO 2762+00 - PLAN AND PROFILE	4 OF 16
CB1864		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2762+00 TO 2818+00 - PLAN AND PROFILE	5 OF 16
CB1865	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2818+00 TO 2874+00 - PLAN AND PROFILE	6 OF 16
CB1866	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2874+00 TO 2930+00 - PLAN AND PROFILE	7 OF 16
CB1867	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2930+00 TO 2986+00 - PLAN AND PROFILE	8 OF 16
CB1868	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2986+00 TO 3042+00 - PLAN AND PROFILE	9 OF 16
CB1869	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 3042+00 TO 3096+00 - PLAN AND PROFILE	10 OF 16
CB3255		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	11 OF 16
CB3256		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	12 OF 16
CB3257		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	13 OF 16
CB3258		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	14 OF 16
CB3259		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	15 OF 16
CB3260		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	16 OF 16

ALIGNMENT P - PIXLEY SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1300		PIXLEY SUBSECTION - ALIGNMENT P - STA. 3096+00 TO 3459+24 - KEY MAP	1 OF 9
CB1301	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3096+00 TO 3152+00 - PLAN AND PROFILE	2 OF 9
CB1302	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3152+00 TO 3208+00 - PLAN AND PROFILE	3 OF 9
CB1303	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3208+00 TO 3264+00 - PLAN AND PROFILE	4 OF 9
CB1304		PIXLEY SUBSECTION - ALIGNMENT P - STA. 3264+00 TO 3320+00 - PLAN AND PROFILE	5 OF 9
CB1305	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3320+00 TO 3376+00 - PLAN AND PROFILE	6 OF 9
CB1306	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3376+00 TO 3432+00 - PLAN AND PROFILE	7 OF 9
CB1307	A	PIXLEY SUBSECTION - ALIGNMENT P - STA. 3432+00 TO 3459+24 - PLAN AND PROFILE	8 OF 9
CB3301		PIXLEY SUBSECTION - ALIGNMENT P - CROSS SECTIONS	9 OF 9

ALIGNMENT A1 - ALLENSWORTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB1400		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 3919+50 TO 4926+16 - KEY MAP	1 OF 21
CB1401		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 3919+50 TO 3976+00 - PLAN AND PROFILE	2 OF 21
CB1402		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 3976+00 TO 4032+00 - PLAN AND PROFILE	3 OF 21
CB1750		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4032+00 TO 4088+00 - PLAN AND PROFILE	4 OF 21
CB1751		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4088+00 TO 4144+00 - PLAN AND PROFILE	5 OF 21
CB1752		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4144+00 TO 4200+00 - PLAN AND PROFILE	6 OF 21
CB1753		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4200+00 TO 4256+00 - PLAN AND PROFILE	7 OF 21
CB1754	A	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4256+00 TO 4312+00 - PLAN AND PROFILE	8 OF 21
CB1755	A	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4312+00 TO 4368+00 - PLAN AND PROFILE	9 OF 21
CB1756	A	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4368+00 TO 4424+00 - PLAN AND PROFILE	10 OF 21
CB1757	A	ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4424+00 TO 4480+00 - PLAN AND PROFILE	11 OF 21
~~CB1758~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4480+00 TO 4536+00 - PLAN AND PROFILE~~	~~12 OF 21~~
~~CB1759~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4536+00 TO 4592+00 - PLAN AND PROFILE~~	~~13 OF 21~~
~~CB1760~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4592+00 TO 4648+00 - PLAN AND PROFILE~~	~~14 OF 21~~
~~CB1761~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4648+00 TO 4704+00 - PLAN AND PROFILE~~	~~15 OF 21~~
~~CB1762~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4704+00 TO 4760+00 - PLAN AND PROFILE~~	~~16 OF 21~~
~~CB1763~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4760+00 TO 4816+00 - PLAN AND PROFILE~~	~~17 OF 21~~
~~CB1764~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4816+00 TO 4872+00 - PLAN AND PROFILE~~	~~18 OF 21~~
~~CB1765~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - STA. 4872+00 TO 4926+16 - PLAN AND PROFILE~~	~~19 OF 21~~
CB3401		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - CROSS SECTIONS	20 OF 21
CB3402		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - CROSS SECTIONS	21 OF 21

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
B	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3
A	2014/05	PAT	KS	SB	REVISED FOR ADDENDUM 1

DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 02/04/14

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT
INDEX OF SHEETS
SHEET 2 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0020-B3
SCALE NO SCALE
SHEET NO. 3 OF 8

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LEGEND:

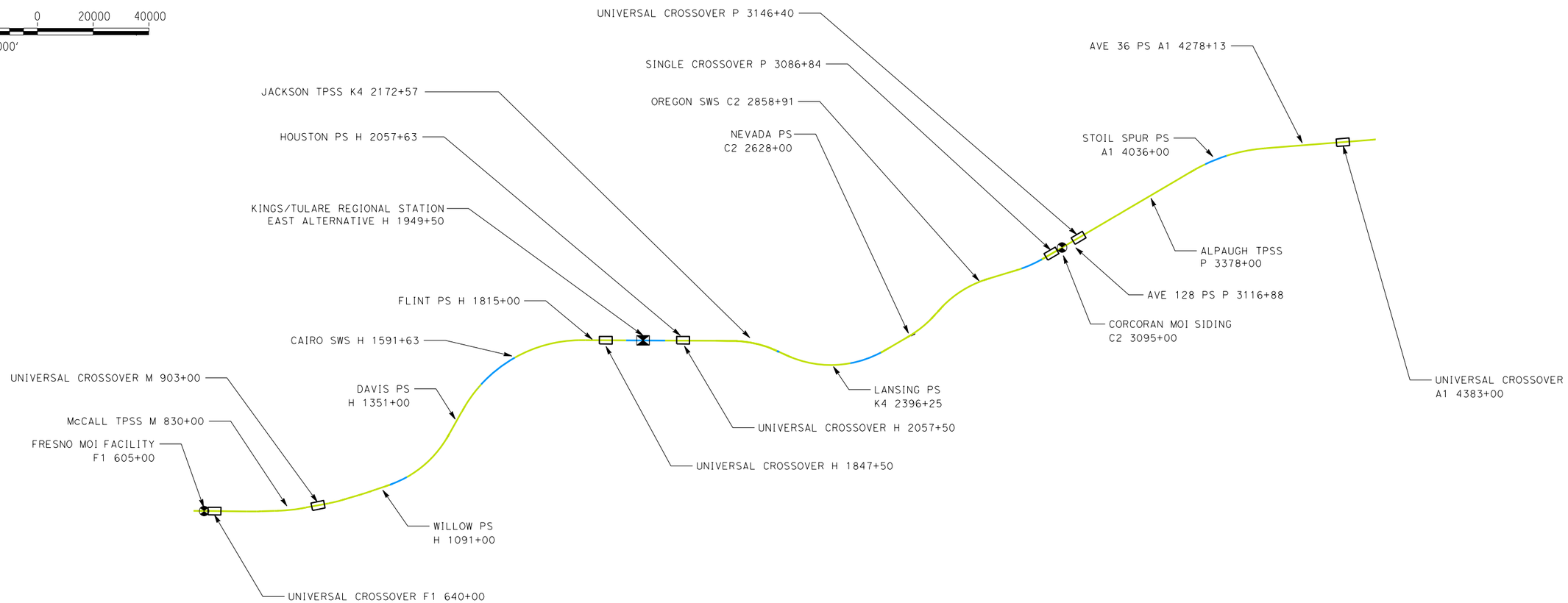
- AT-GRADE ALIGNMENT
- ELEVATED/AERIAL ALIGNMENT
- BELOW-GRADE/TRENCH ALIGNMENT
- PROPOSED CROSSOVER LOCATION
- MOI LOCATION
- HST STATION
- TPSS TRACTION POWER SUBSTATION
- PS PARALLELING STATION
- SWS SWITCHING STATION

20000 0 20000 40000

1"=20000'

NOTES:

1. RETAINED EARTHWORK STRUCTURES HAVE BEEN CONSIDERED AS AT-GRADE ALIGNMENT FOR THE PURPOSES OF THIS DRAWING.
2. TRACTION POWER FACILITY STATIONING TAKEN AS THE MIDPOINT BETWEEN THE TWO LOCATION OPTIONS PRESENTED IN THE 15% ALIGNMENT PLAN AND PROFILE DRAWINGS.



NEW SHEET
ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. SCHNURBUSCH
DRAWN BY J. SCHNURBUSCH
CHECKED BY A. THIBODEAU
IN CHARGE S. BURGES
DATE 06/30/14

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
TRACTION POWER FACILITY, CROSSOVER & STATION LOCATION EXHIBIT

CONTRACT NO. HSR 06-0003
DRAWING NO. TP-B0001
SCALE AS SHOWN
SHEET NO. 1 OF 1

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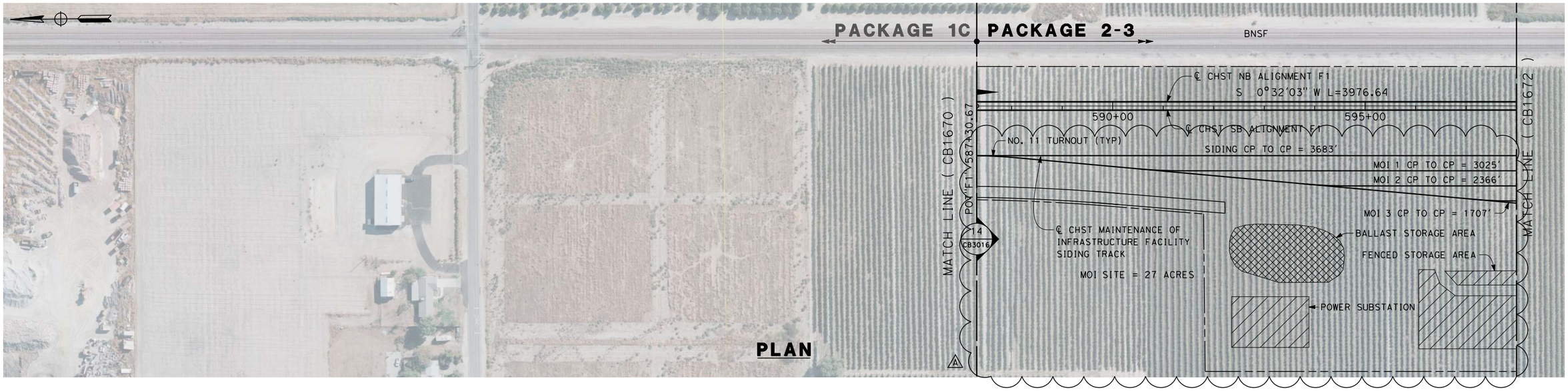
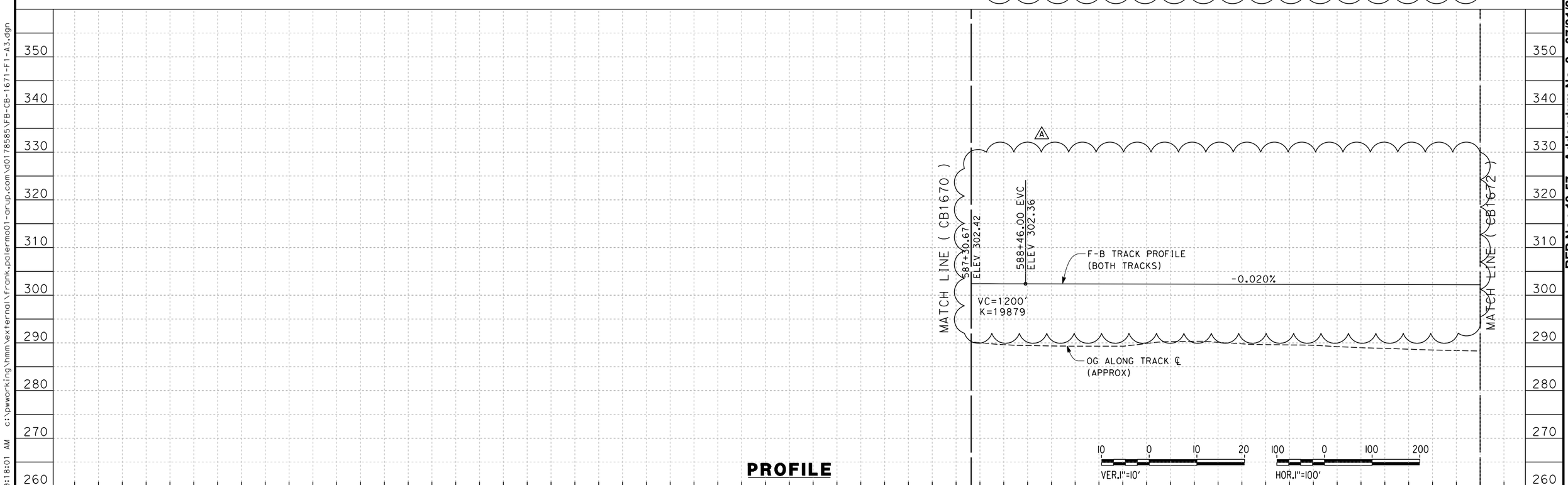
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
FRESNO SUBSECTION
ALIGNMENT F1
STA. 569+00 TO 598+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1671-A3
SCALE AS SHOWN
SHEET NO. 16 OF 24

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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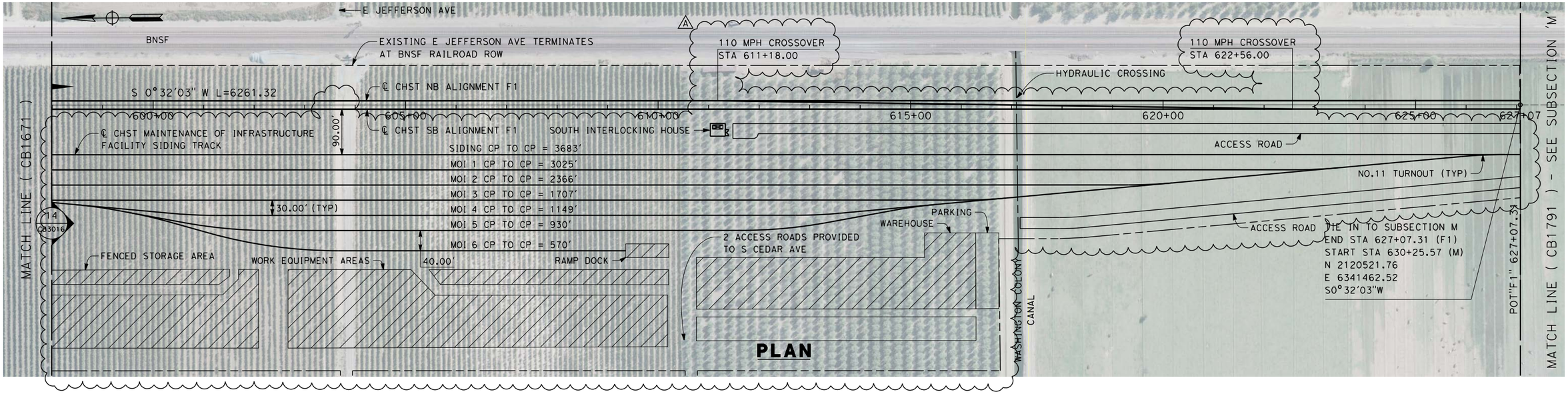

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PAT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
FRESNO SUBSECTION
ALIGNMENT F1
STA. 598+00 TO 627+07
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1672-A3
SCALE AS SHOWN
SHEET NO. 17 OF 24

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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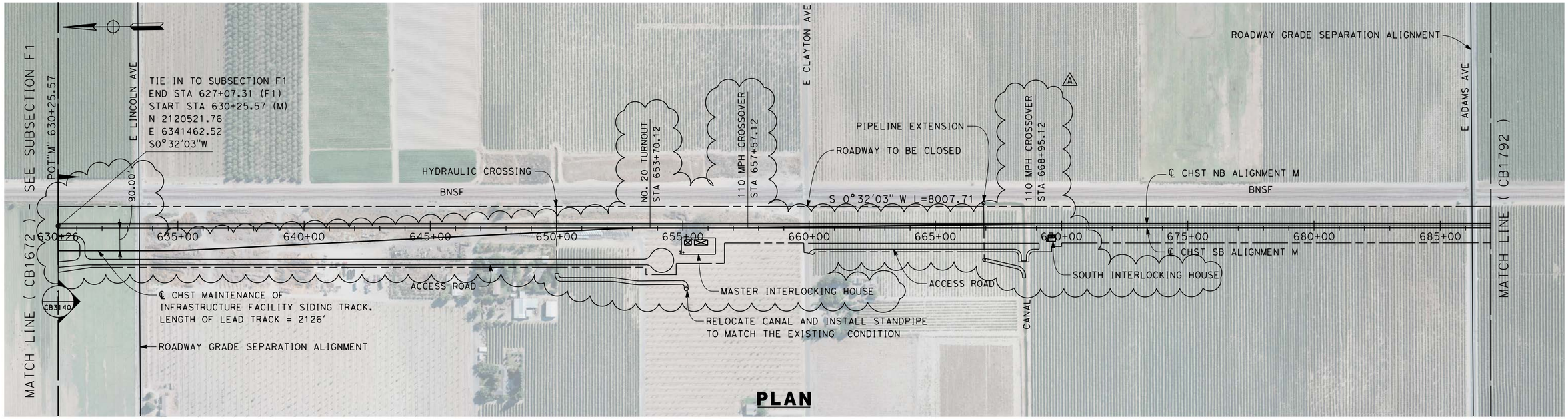

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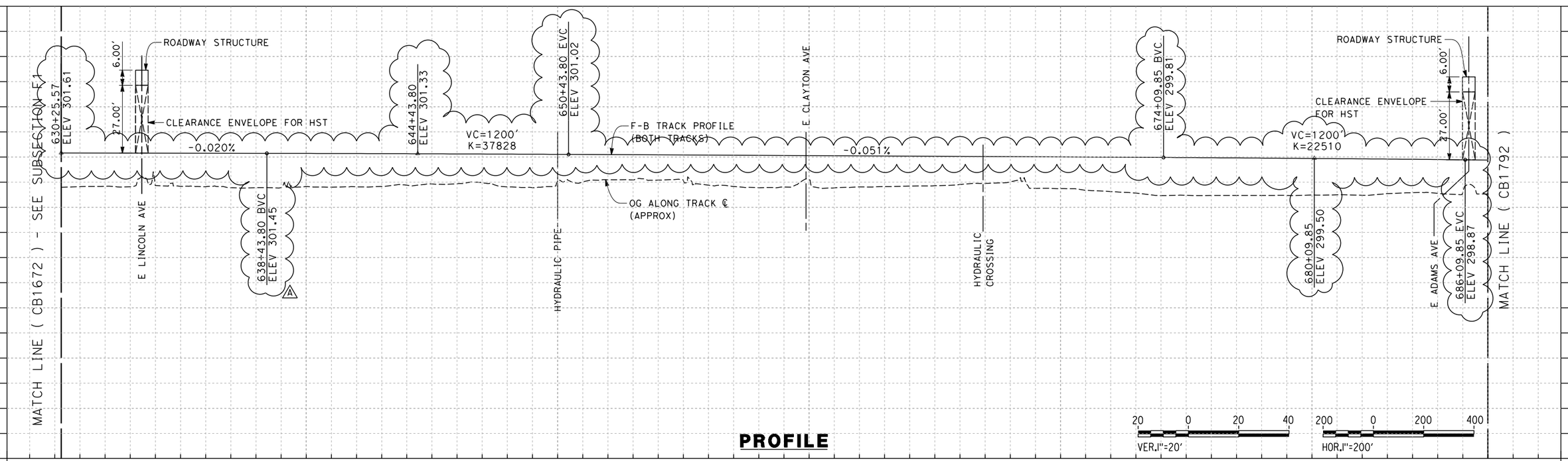

PROFILE

STATION	630+26	640+00	650+00	660+00	670+00	680+00	687+00	TOTAL
CY Exc								
CY Emb								

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 630+26 TO 687+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1791-A3
SCALE AS SHOWN
SHEET NO. 2 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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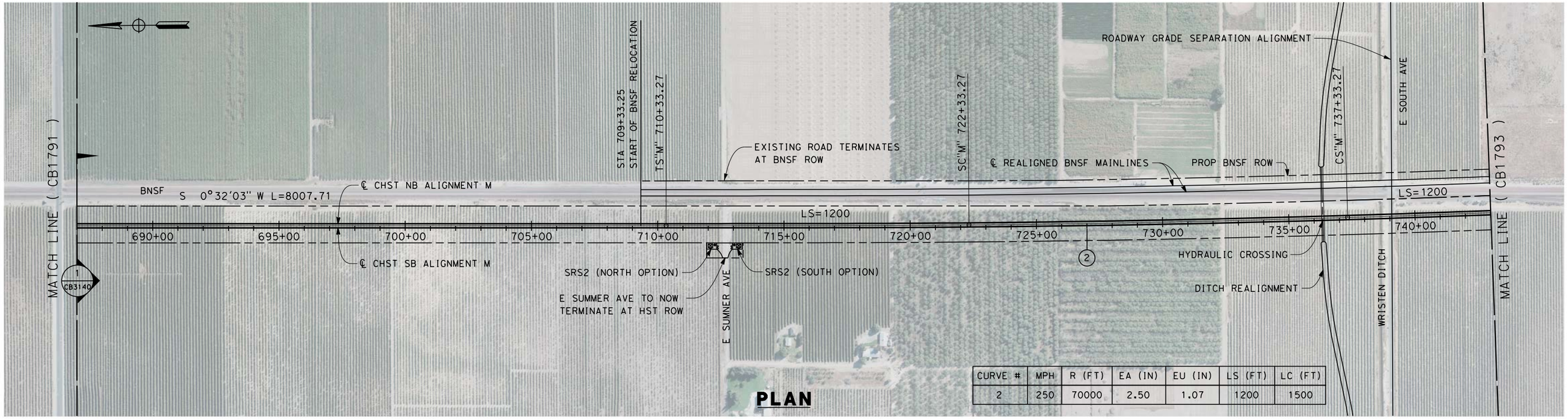

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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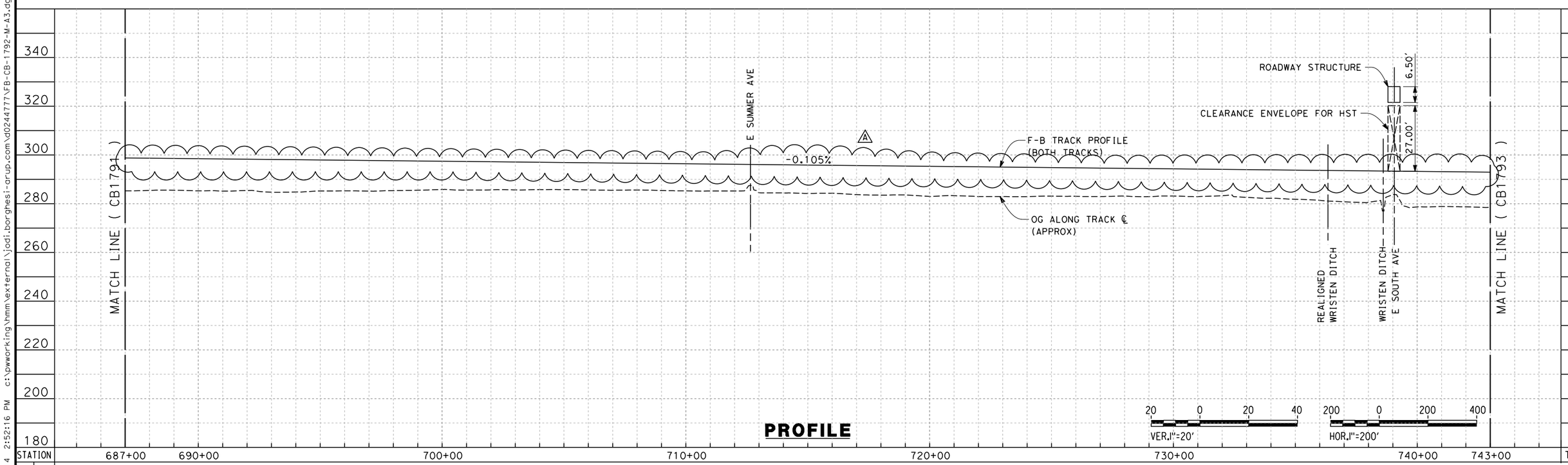
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 687+00 TO 743+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1792-A3
SCALE AS SHOWN
SHEET NO. 3 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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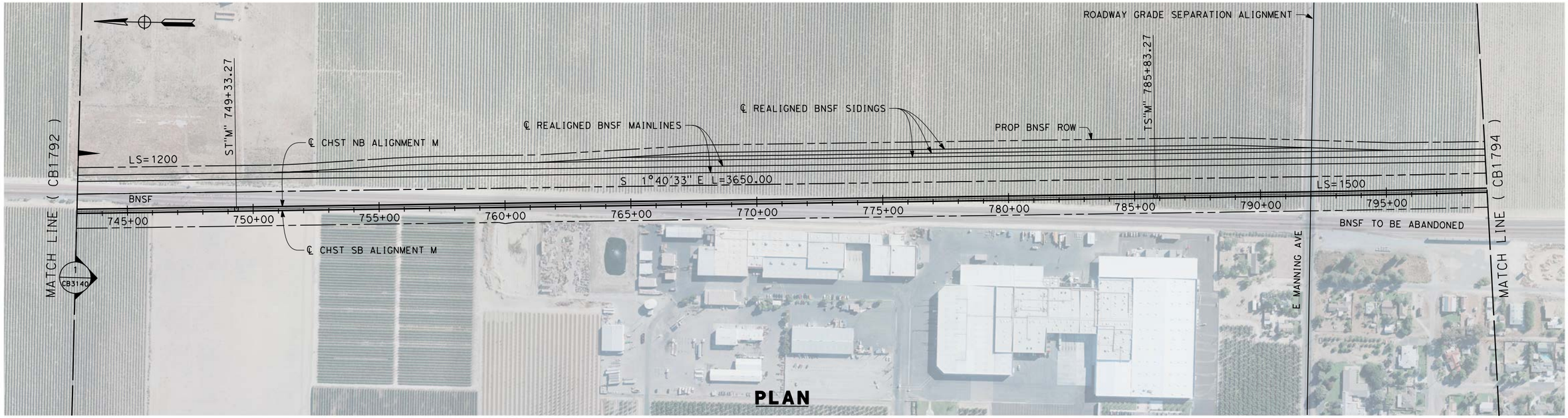

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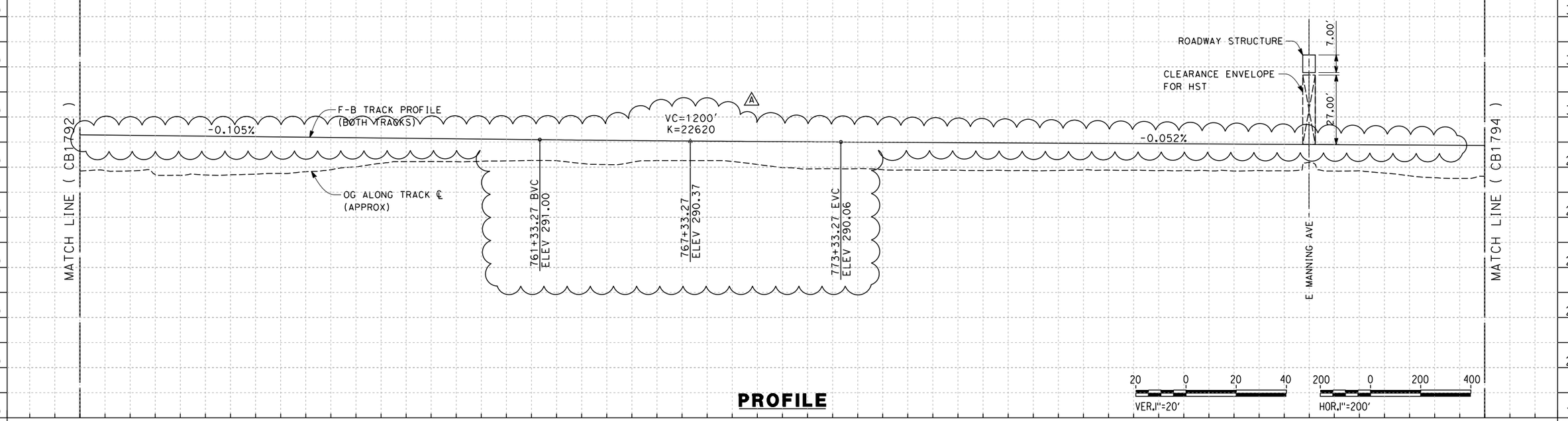

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 743+00 TO 799+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1793-A3
SCALE AS SHOWN
SHEET NO. 4 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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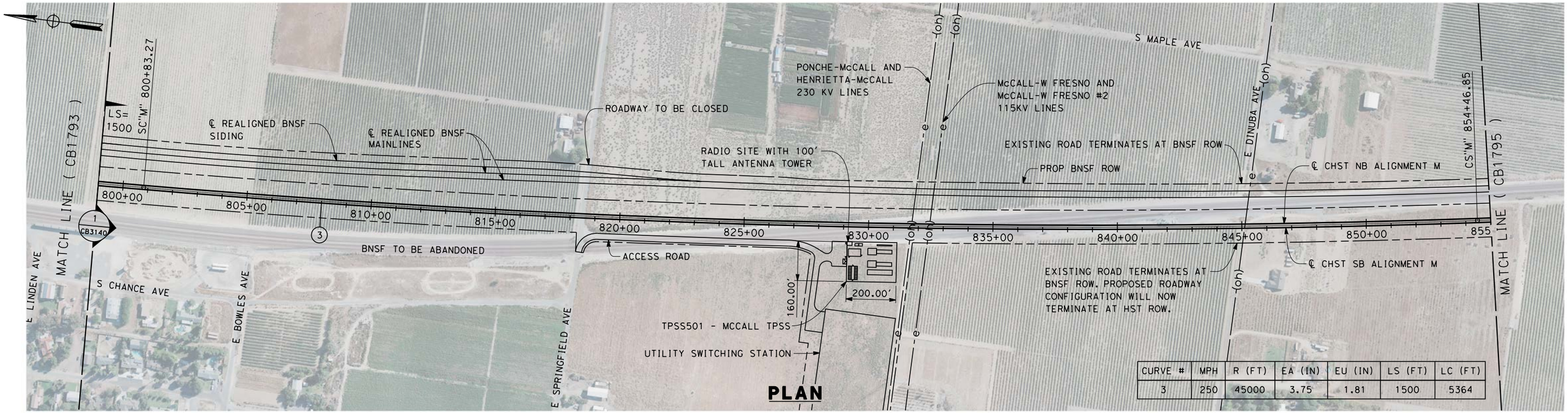

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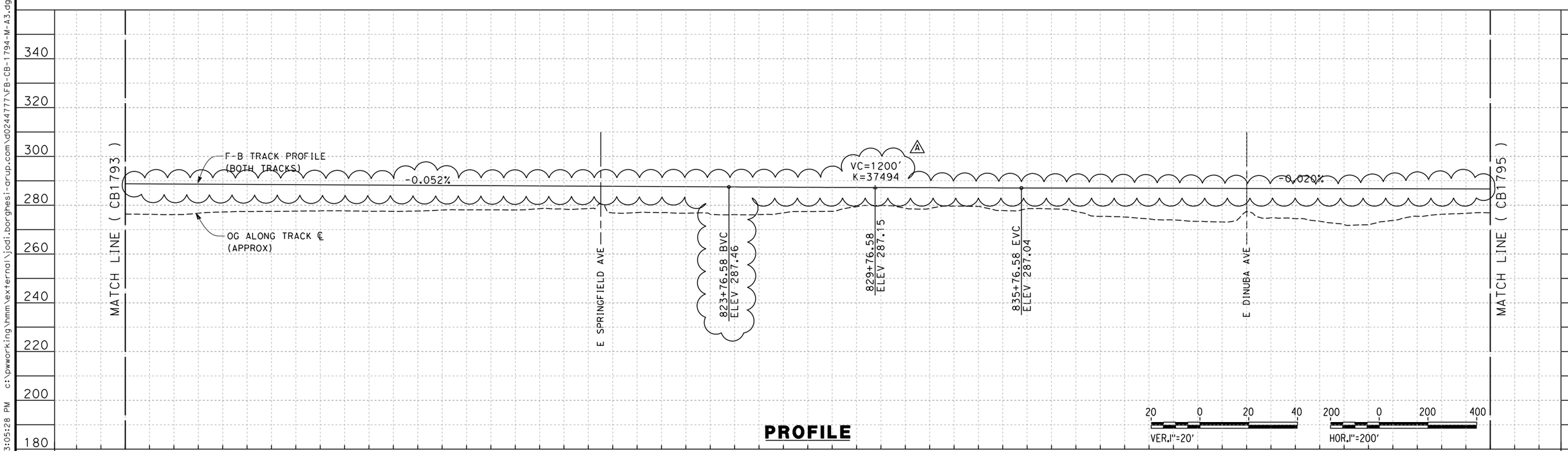
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 799+00 TO 855+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1794-A3
SCALE AS SHOWN
SHEET NO. 5 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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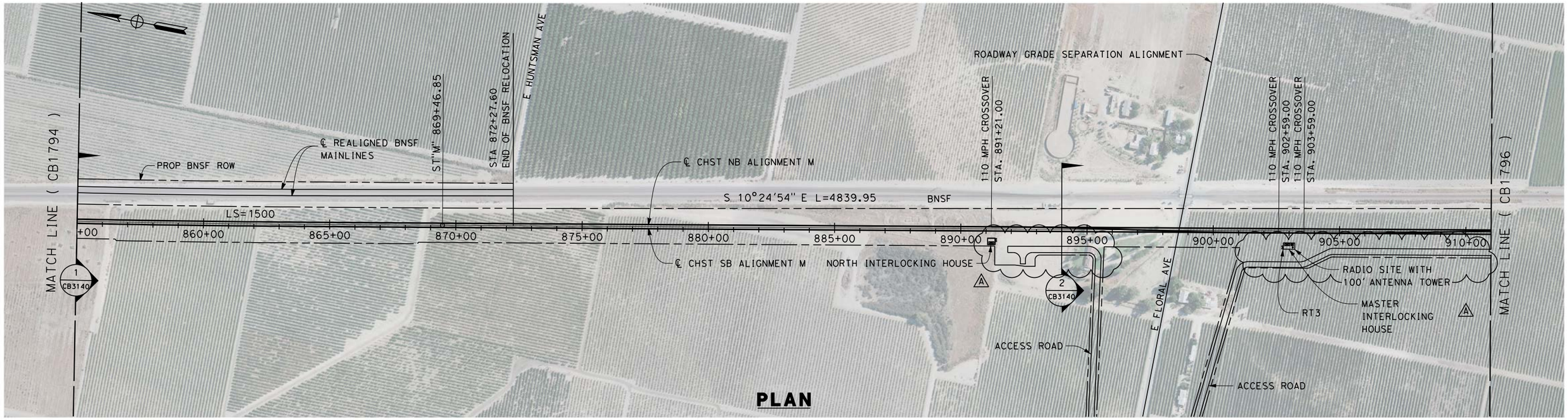

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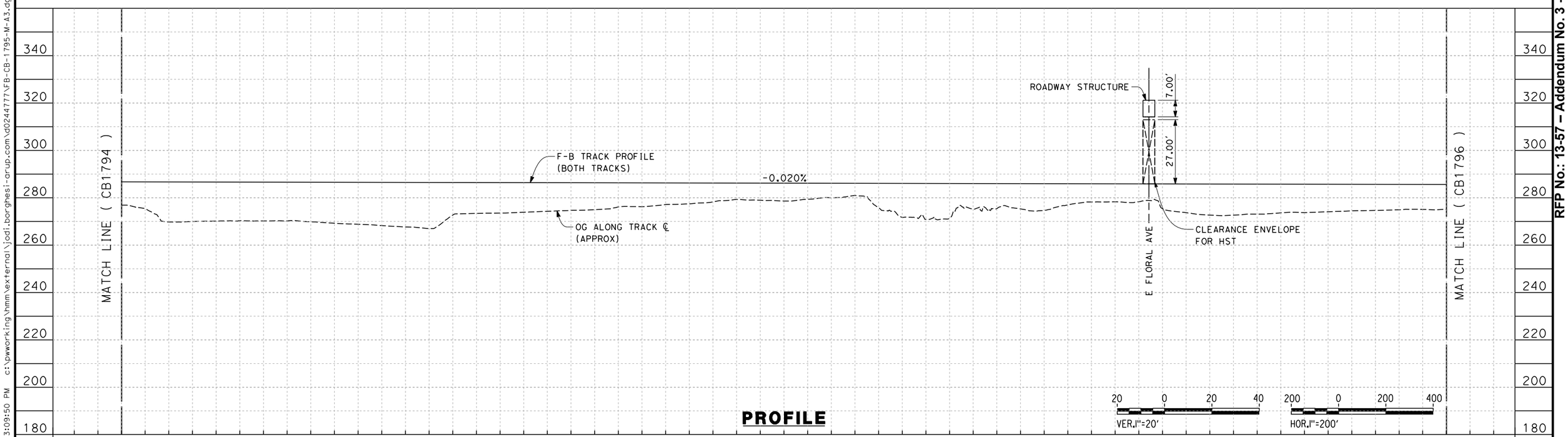

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 855+00 TO 911+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1795-A3
SCALE AS SHOWN
SHEET NO. 6 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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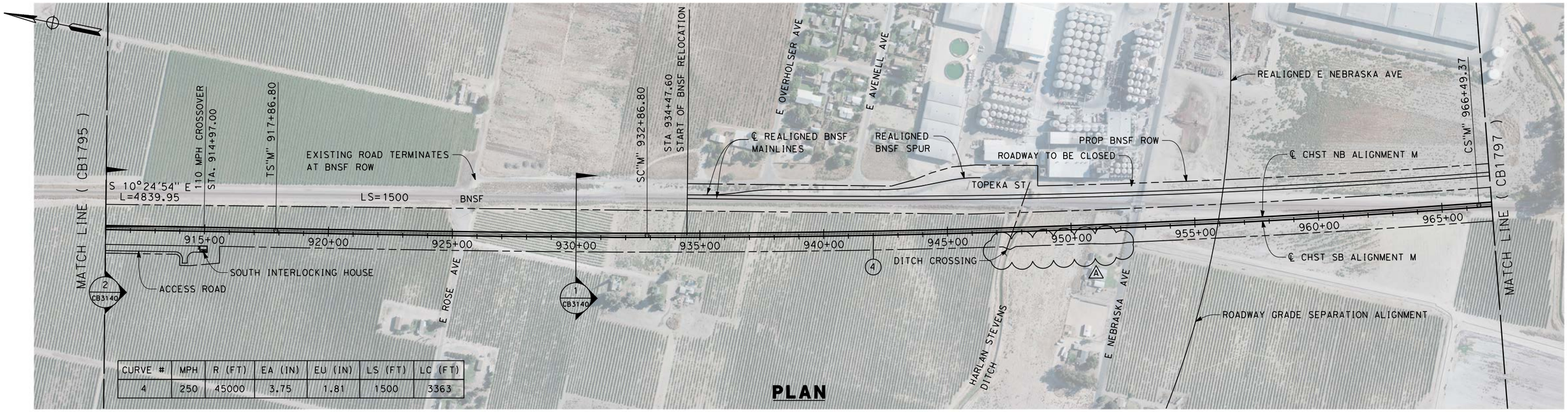

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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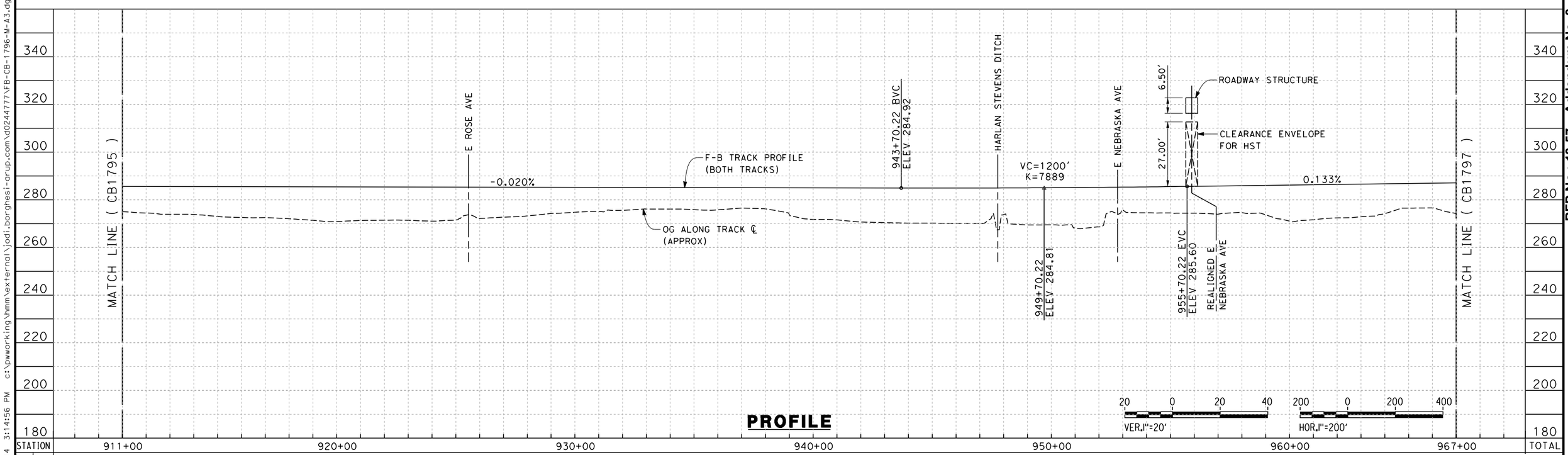
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 911+00 TO 967+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1796-A3
SCALE AS SHOWN
SHEET NO. 7 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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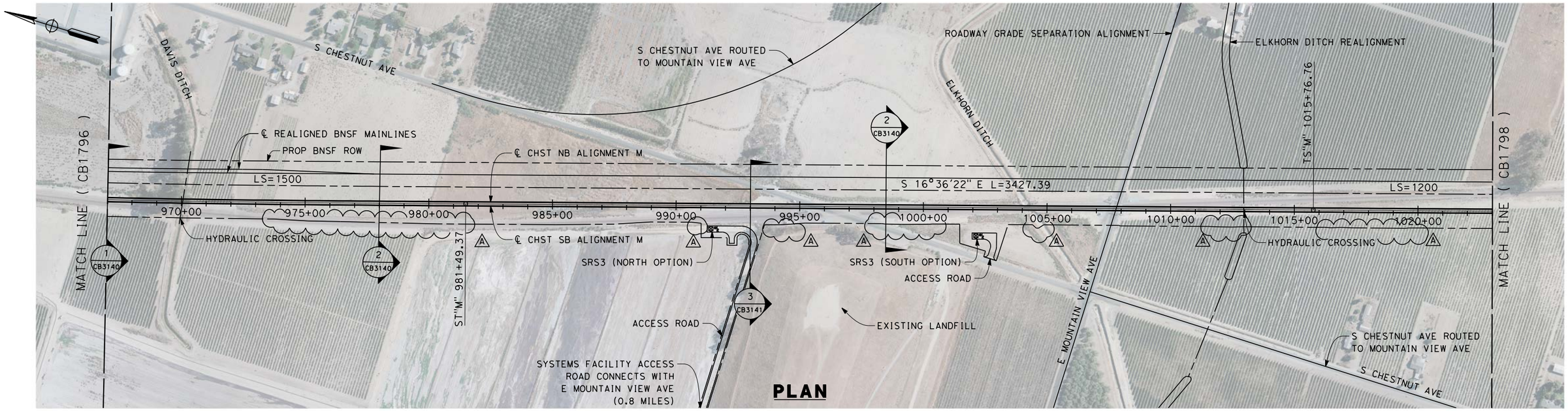

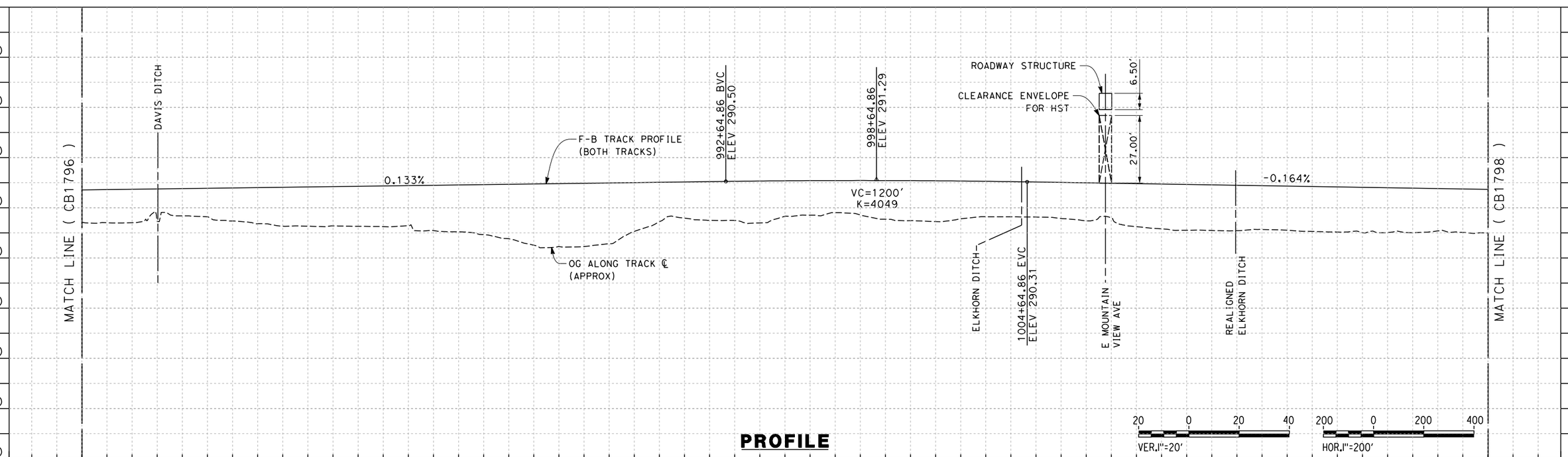

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 967+00 TO 1023+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1797-A3
SCALE AS SHOWN
SHEET NO. 8 OF 11

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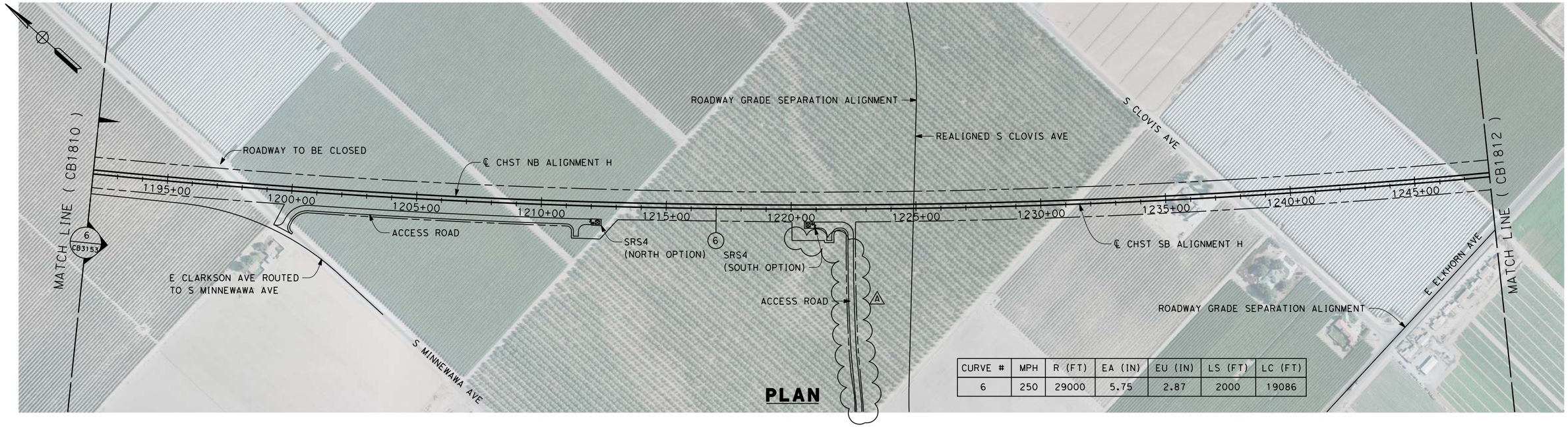
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



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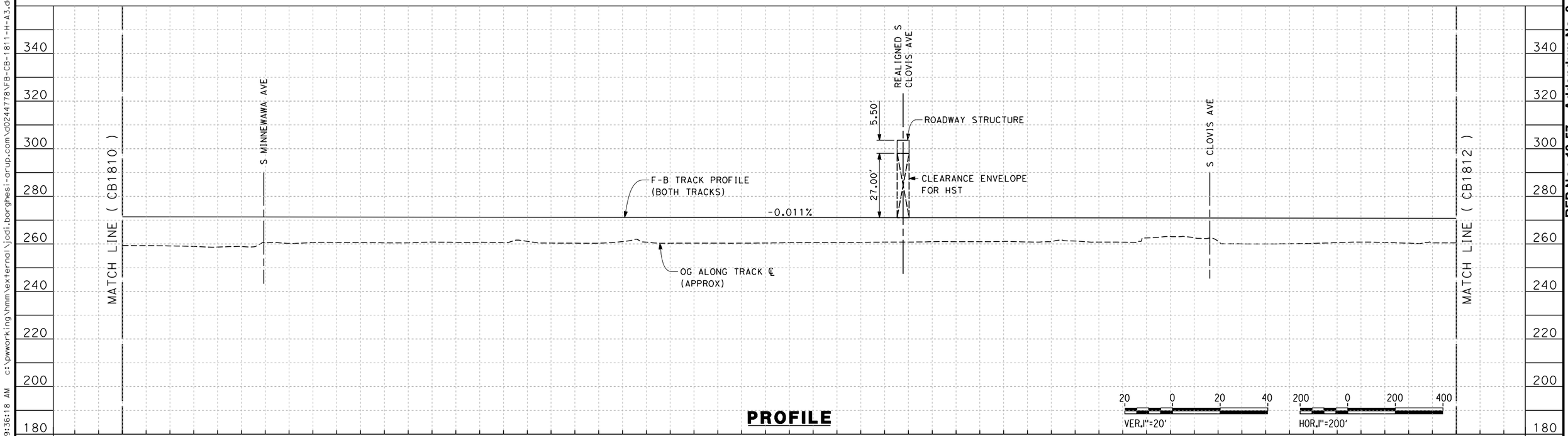
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R.COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1192+00 TO 1248+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1811-A3
SCALE AS SHOWN
SHEET NO. 5 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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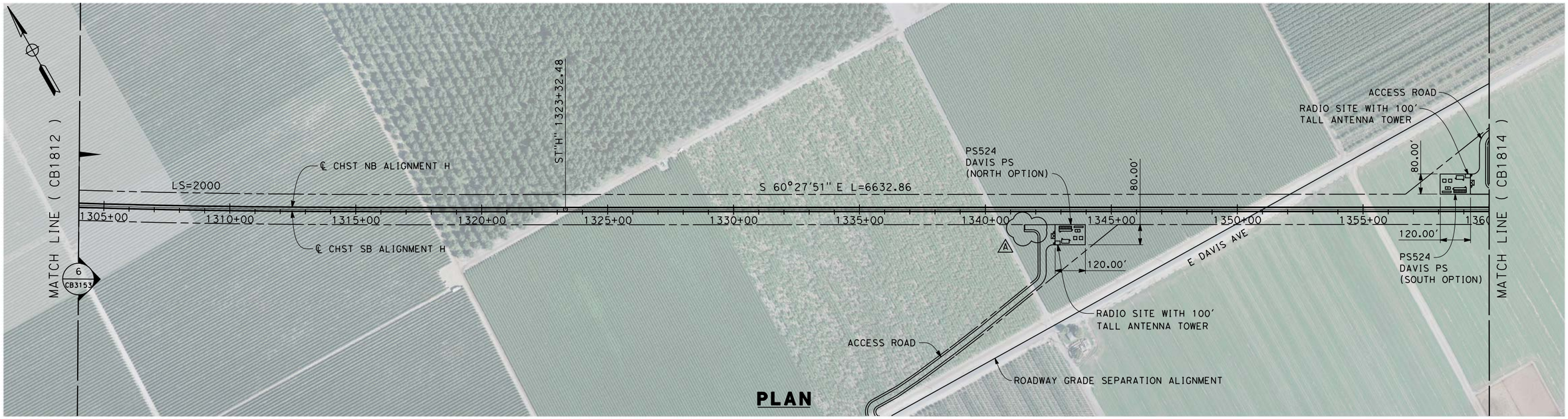

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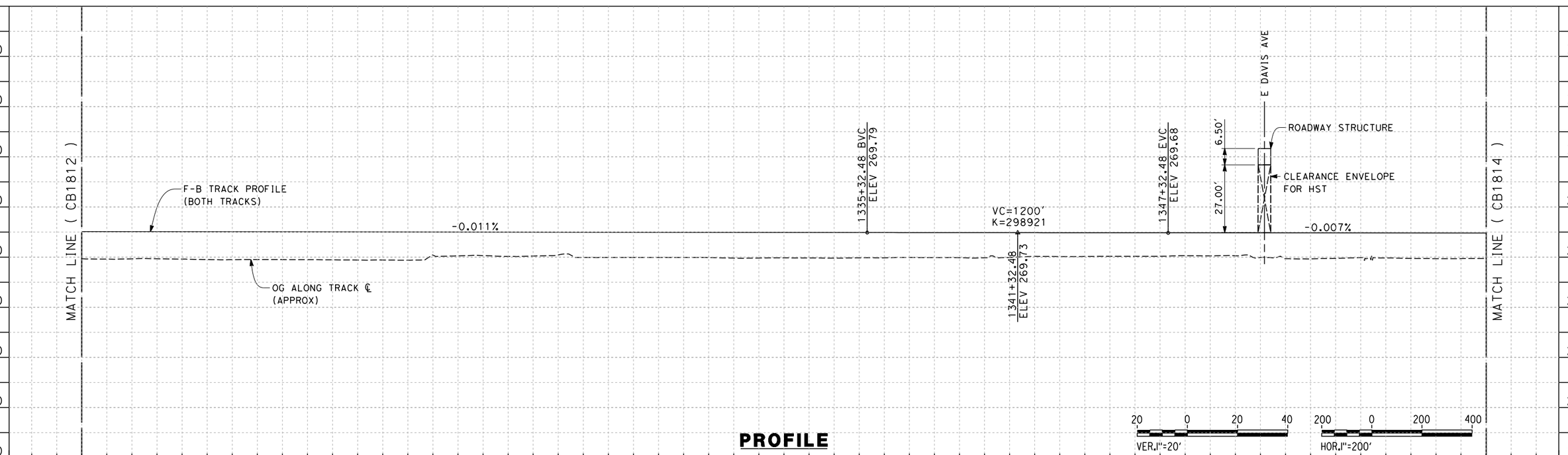

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R.COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1304+00 TO 1360+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1813-A3
SCALE AS SHOWN
SHEET NO. 7 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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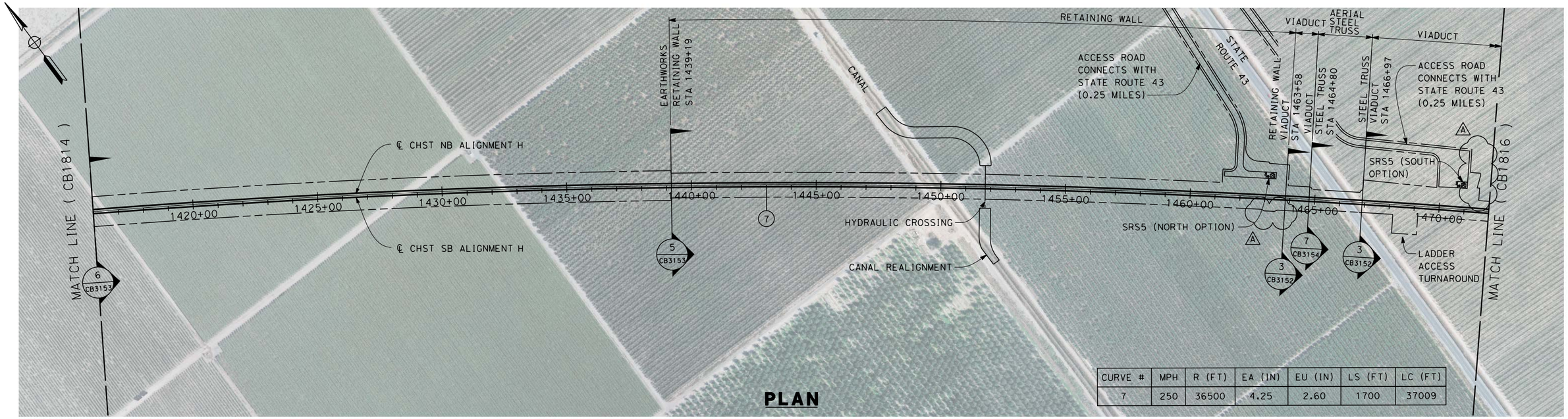

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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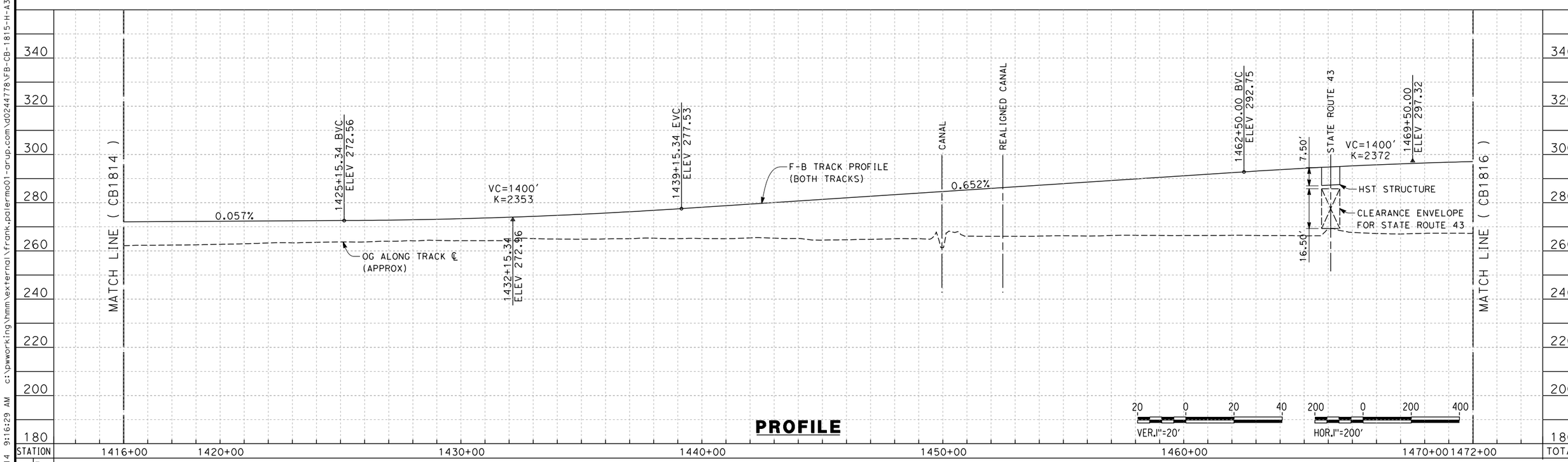
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R.COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1416+00 TO 1472+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1815-A3
SCALE AS SHOWN
SHEET NO. 9 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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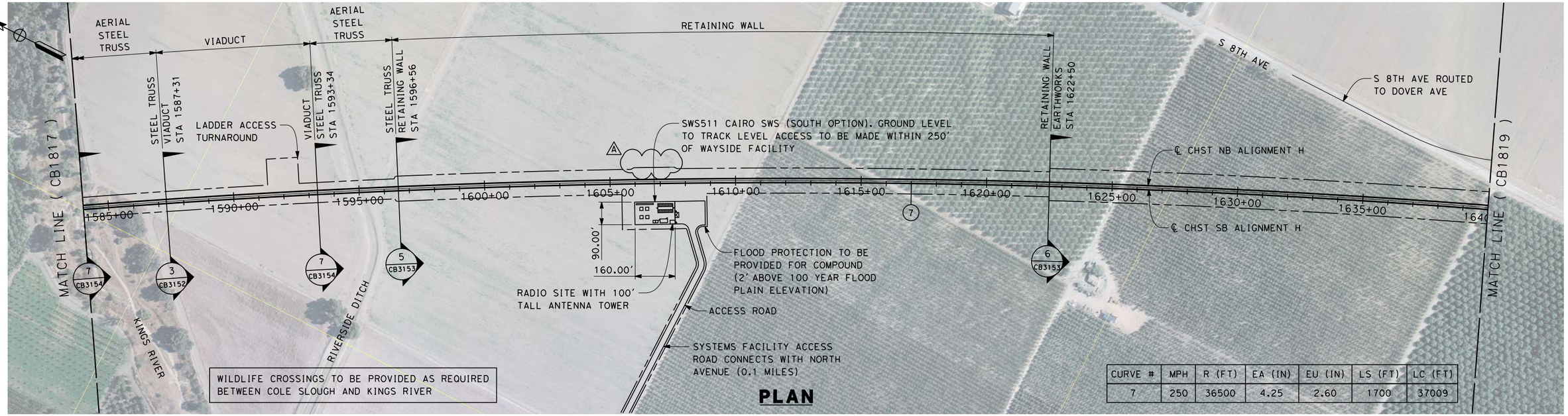

PLAN

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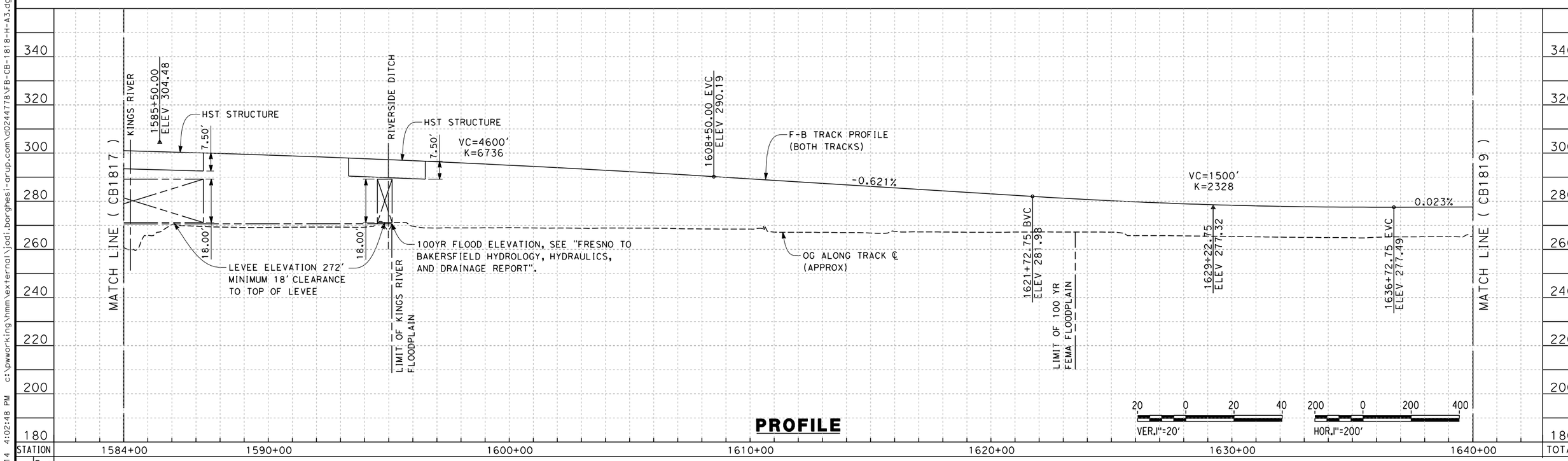

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHES
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1584+00 TO 1640+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1818-A3
SCALE AS SHOWN
SHEET NO. 12 OF 31

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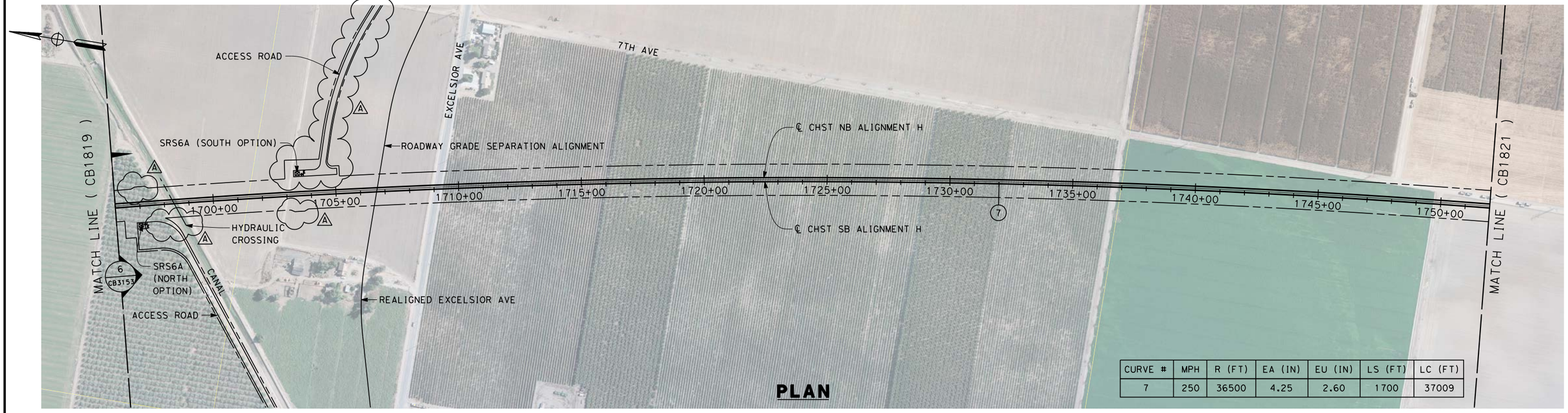
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



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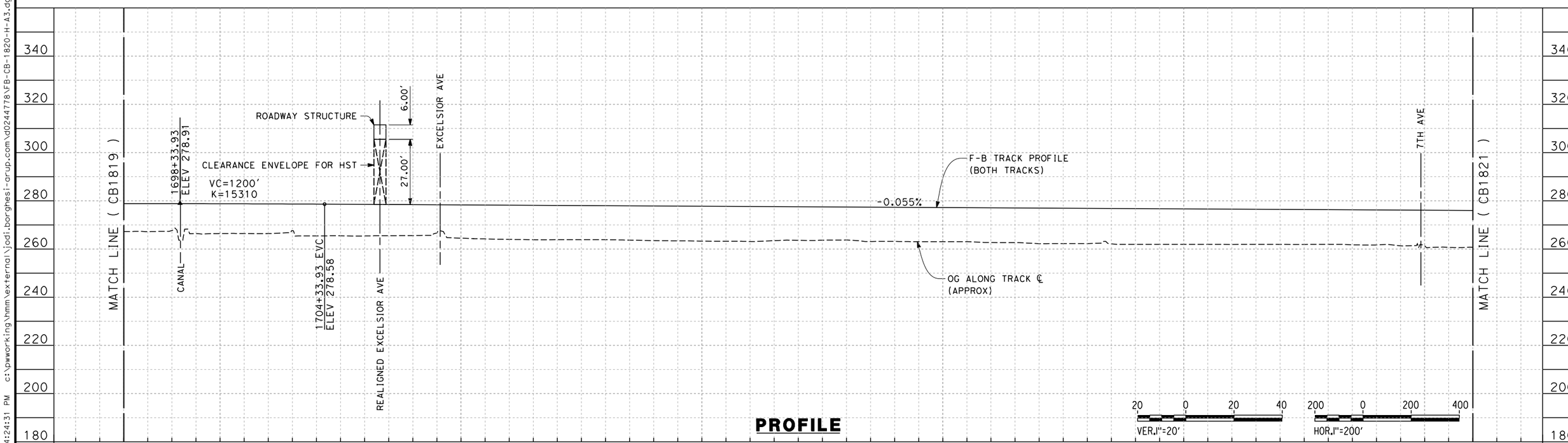
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R.COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1696+00 TO 1752+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1820-A3
SCALE AS SHOWN
SHEET NO. 14 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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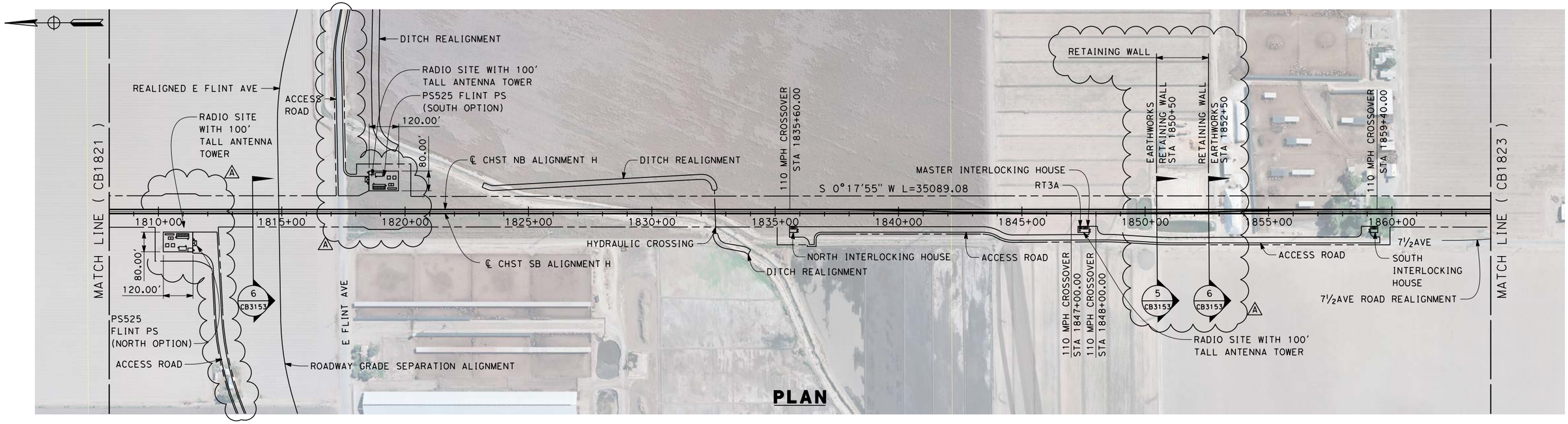

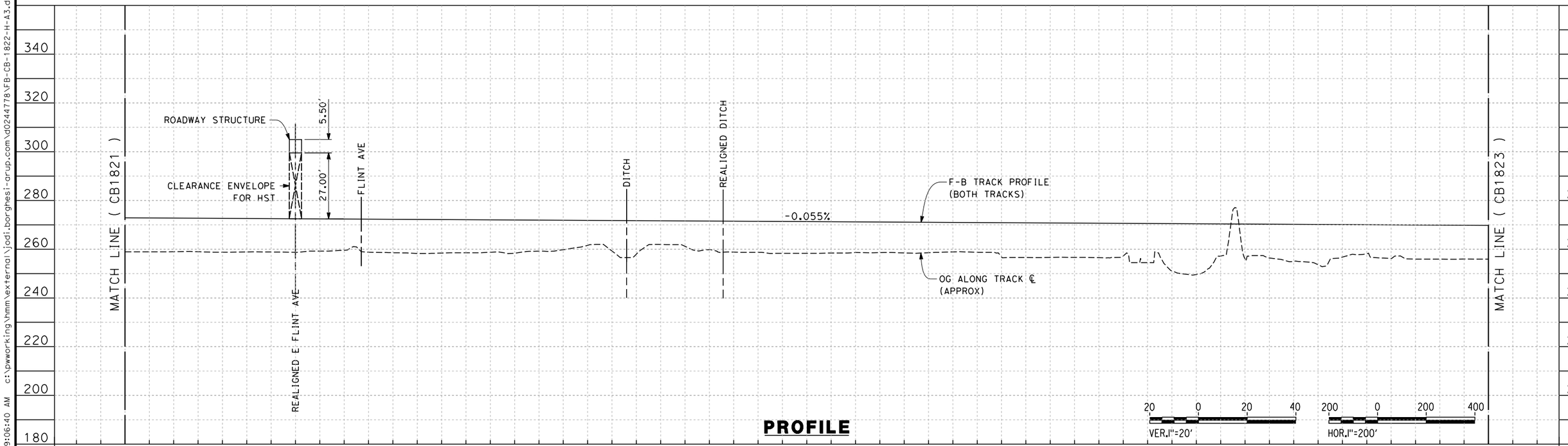

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R.COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1808+00 TO 1864+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1822-A3
SCALE AS SHOWN
SHEET NO. 16 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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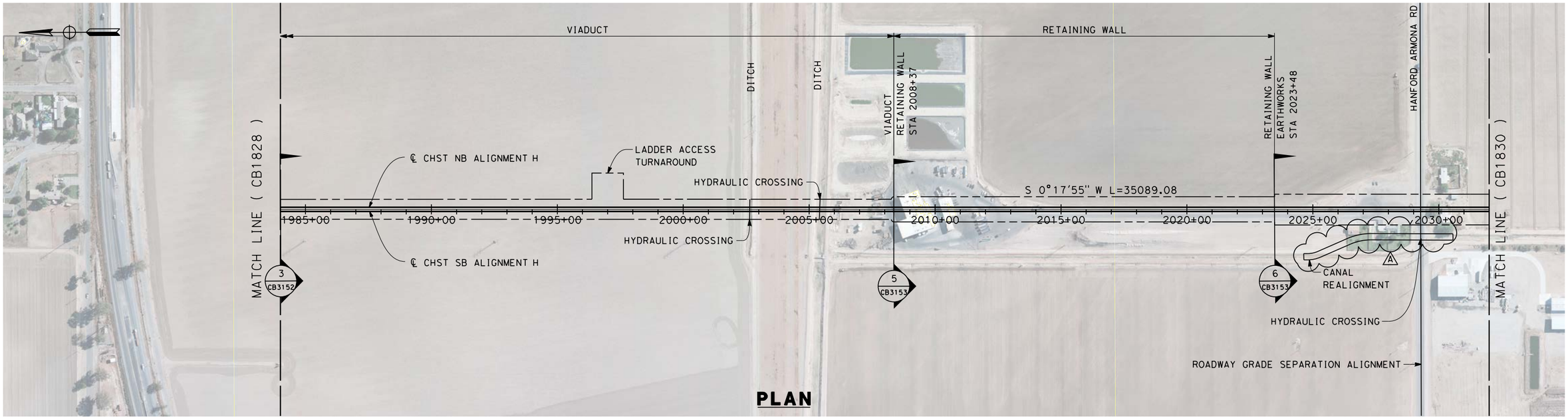
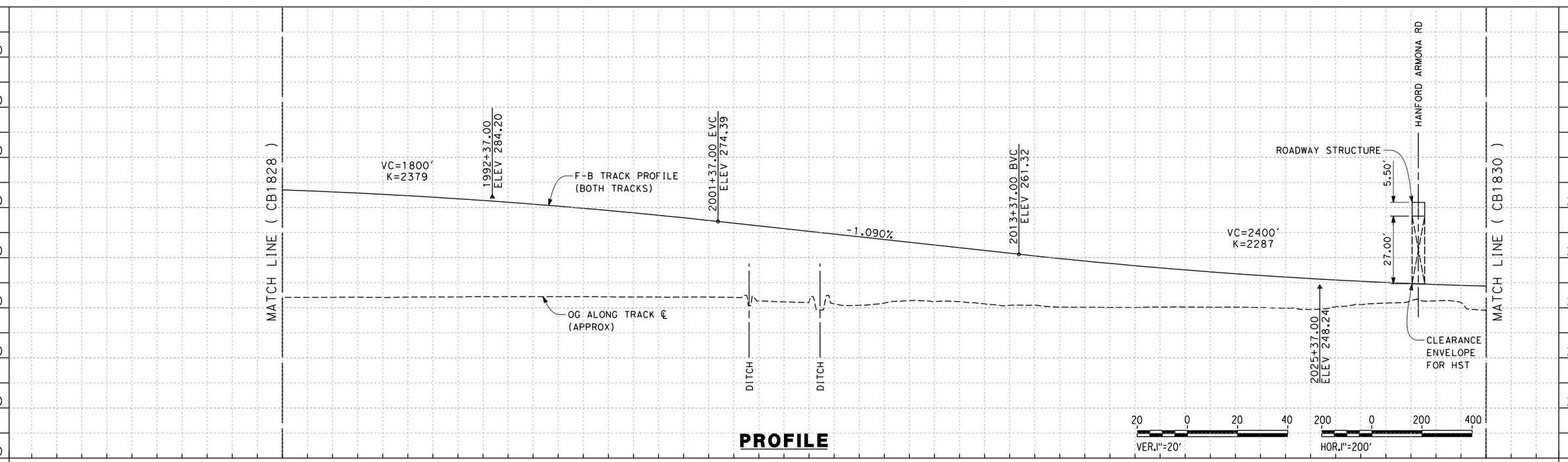


PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 1984+00 TO 2032+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1829-A3
SCALE AS SHOWN
SHEET NO. 23 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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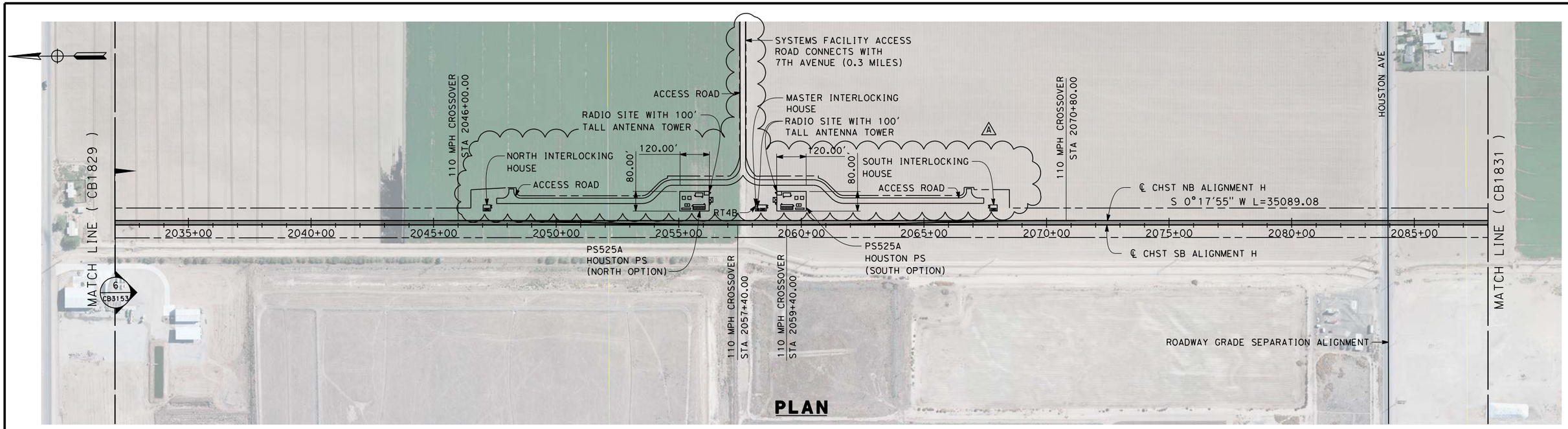

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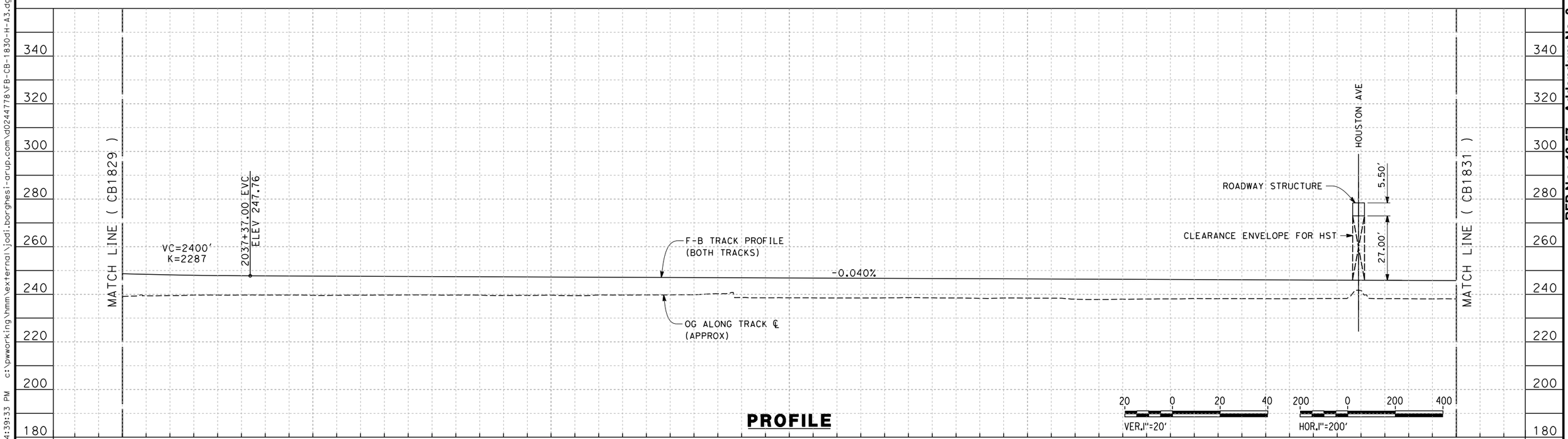

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 2032+00 TO 2088+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1830-A3
SCALE AS SHOWN
SHEET NO. 24 OF 31

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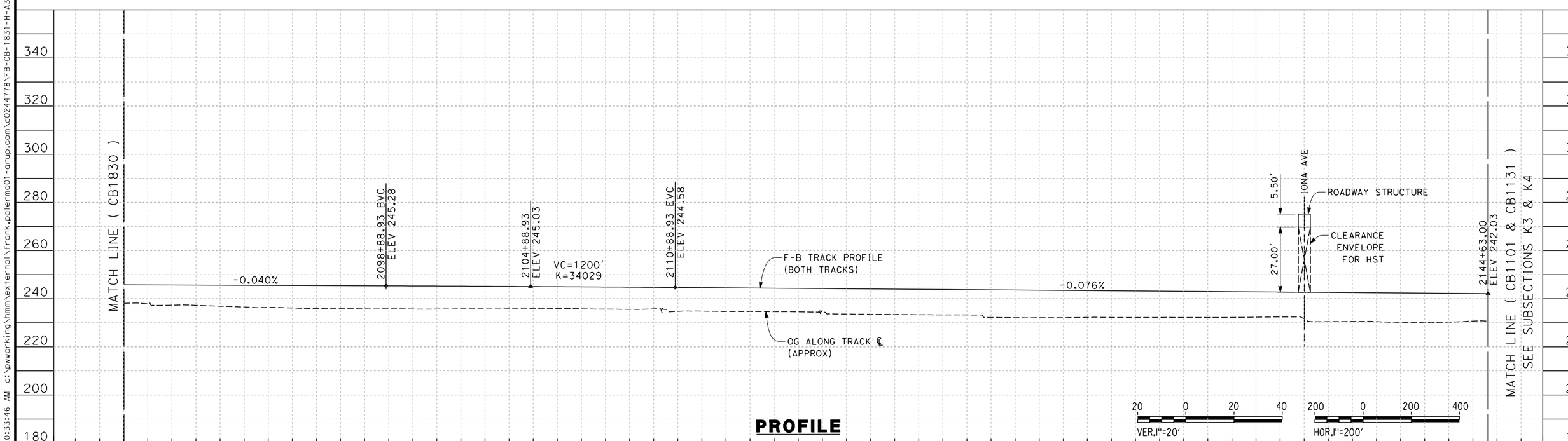
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
STA. 2088+00 TO 2144+63
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1831-A3
SCALE AS SHOWN
SHEET NO. 25 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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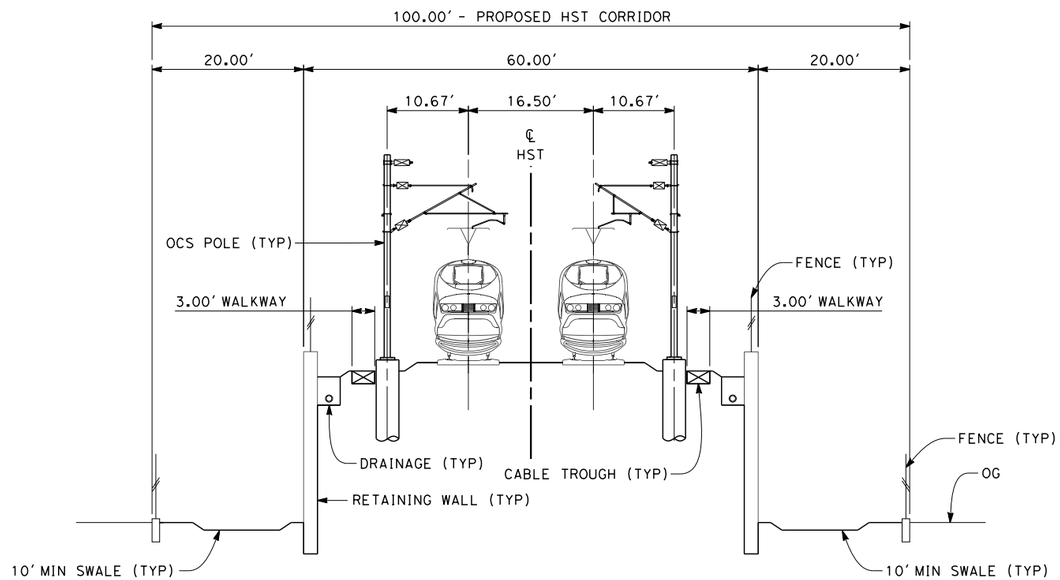
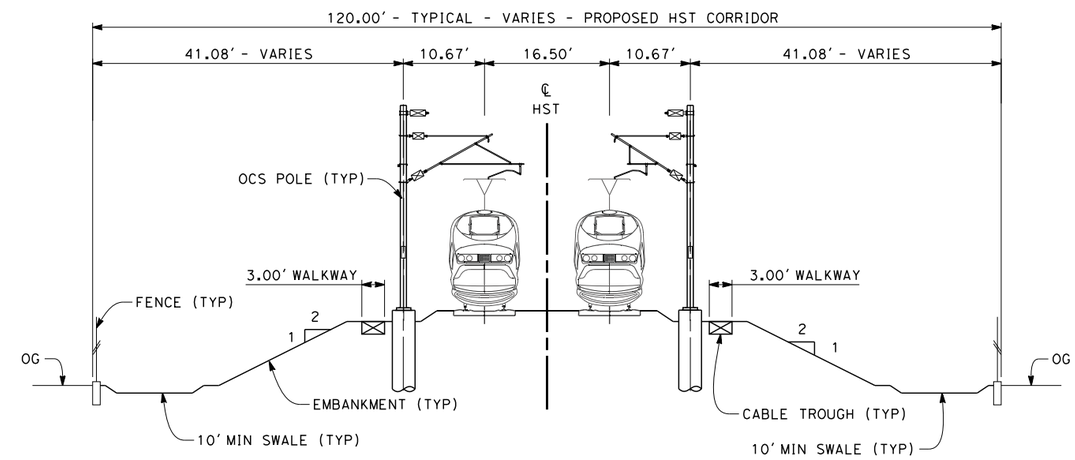
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.
4. LEFT SIDE IS RETAINIED EMBANKMENT WITH OPEN DRAINAGE AND RIGHT SIDE IS EMBANKMENT WITH OPEN DRAINAGE. (A)



SECTION 5

TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
STA 1156+20 THROUGH STA 1173+50
STA 1439+19 THROUGH STA 1463+58
STA 1596+56 THROUGH STA 1622+50
STA 1850+50 THROUGH STA 1852+50 (SEE NOTE 4) (A)
STA 1885+40 THROUGH STA 1903+57
STA 2008+37 THROUGH STA 2023+48



SECTION 6

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 1173+50 THROUGH STA 1439+19
STA 1622+50 THROUGH STA 1850+50
STA 1852+50 THROUGH STA 1885+40 (A)
STA 2023+48 THROUGH STA 2144+63

10 0 10 20
1"=10'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JLB	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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
HANFORD SUBSECTION
ALIGNMENT H
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3153-A3
SCALE AS SHOWN
SHEET NO. 28 OF 31

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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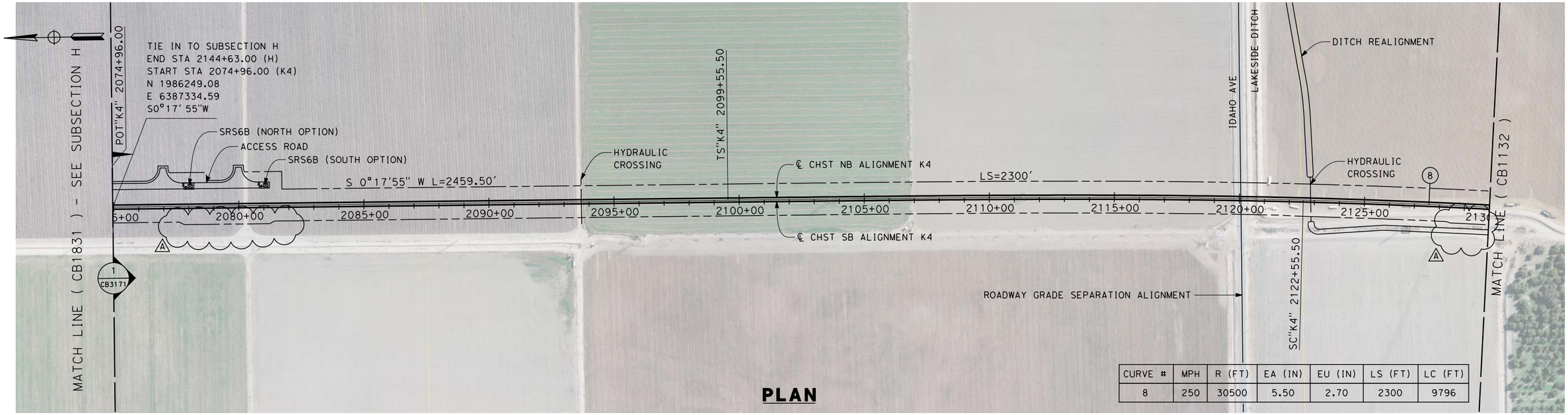
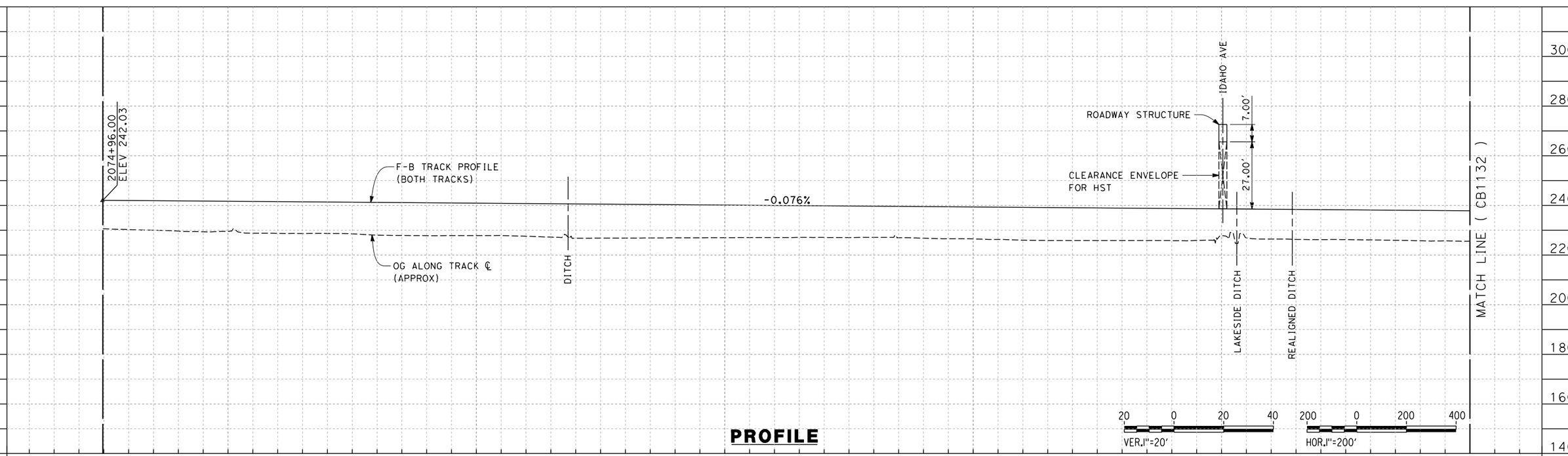


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
8	250	30500	5.50	2.70	2300	9796

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
STA 2074+96 TO 2130+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1131-A3
SCALE AS SHOWN
SHEET NO. 2 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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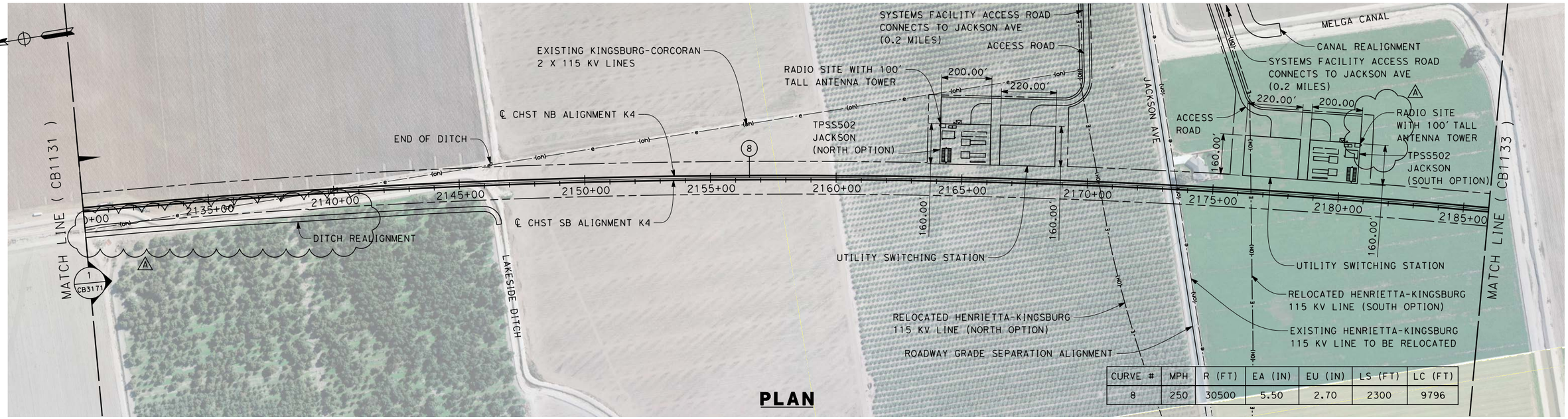
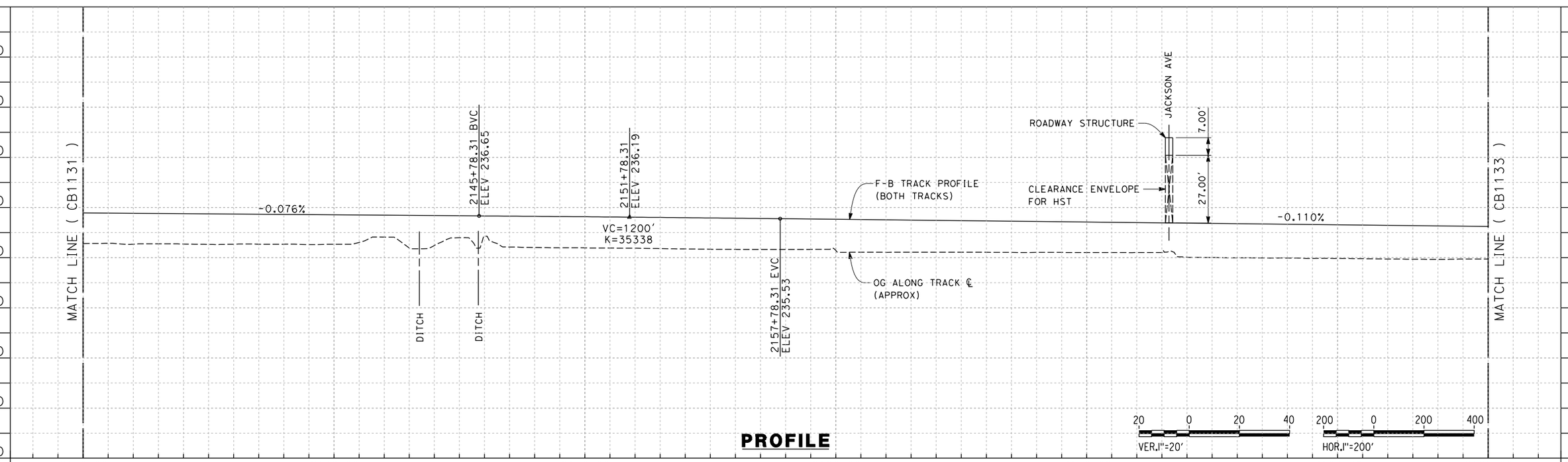


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
8	250	30500	5.50	2.70	2300	9796

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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 K4
STA. 2130+00 TO 2186+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1132-A3
SCALE AS SHOWN
SHEET NO. 3 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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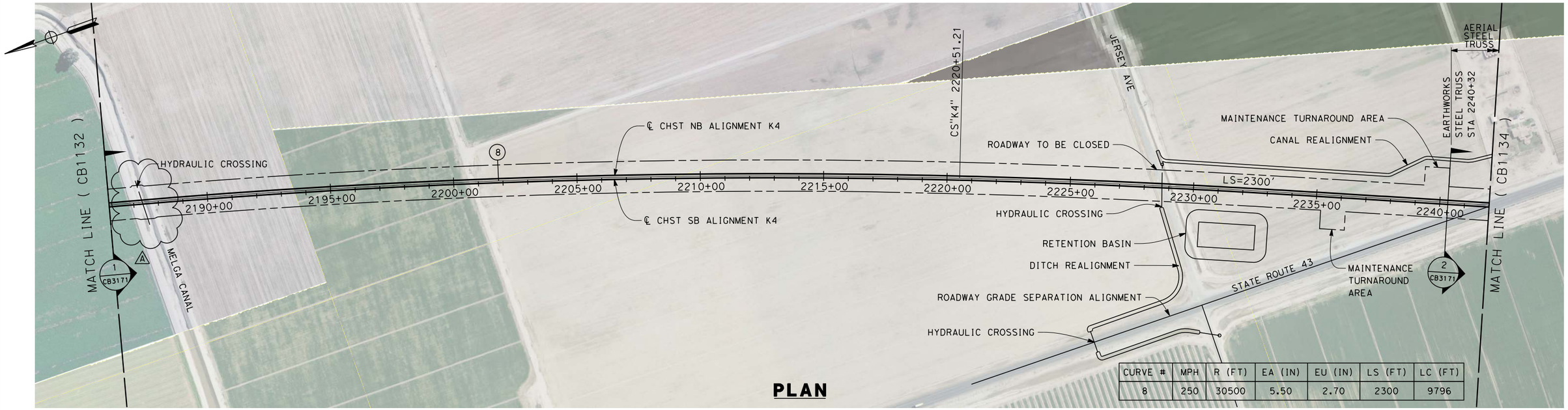
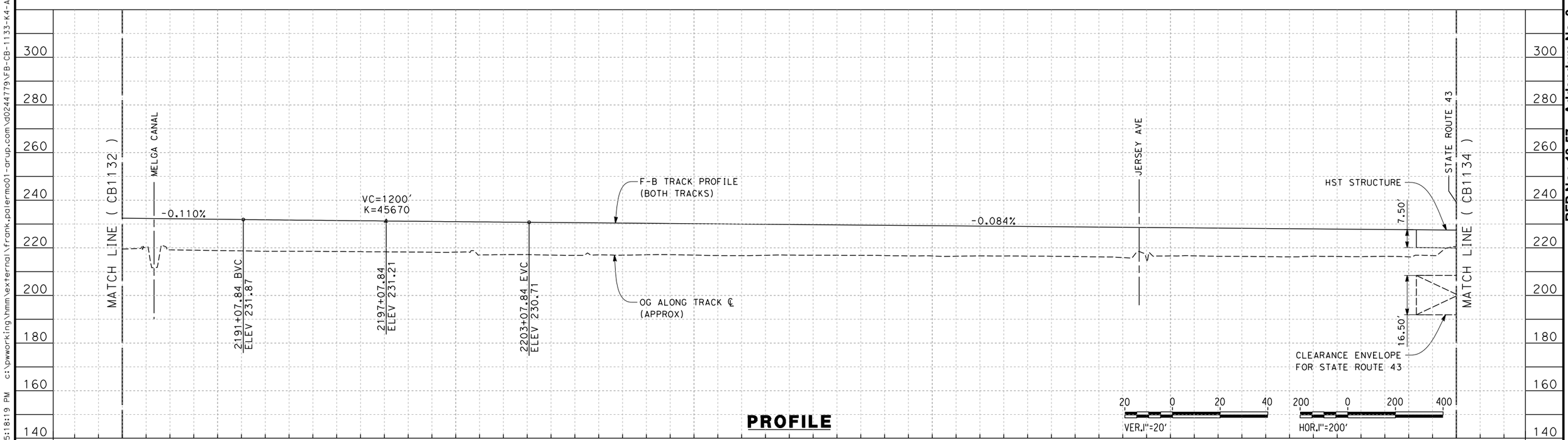


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
8	250	30500	5.50	2.70	2300	9796

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
STA. 2186+00 TP 2242+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1133-A3
SCALE AS SHOWN
SHEET NO. 4 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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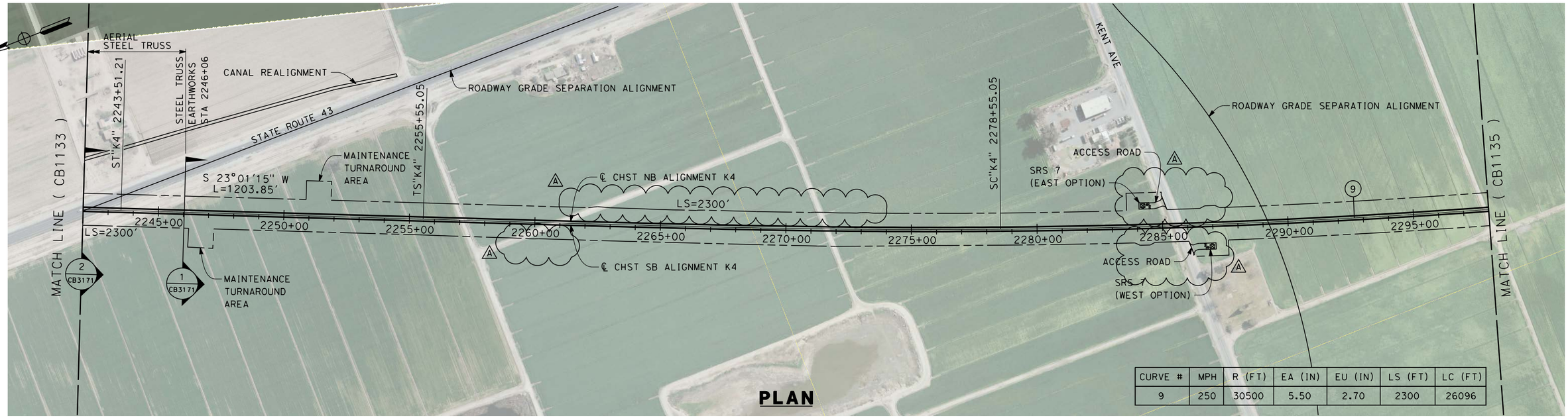
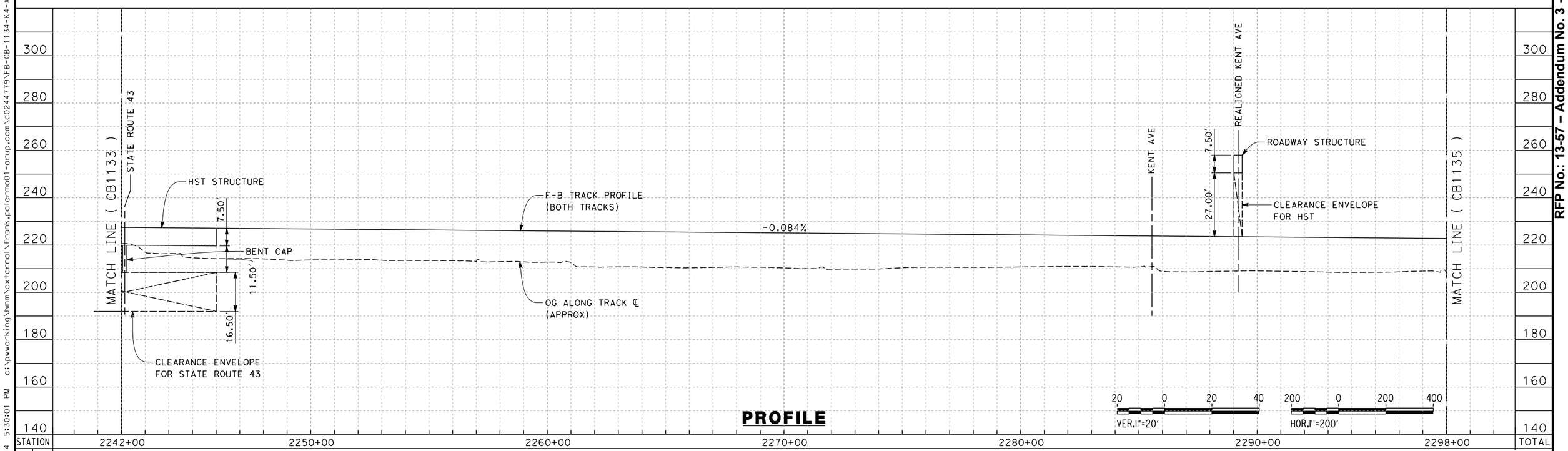


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
9	250	30500	5.50	2.70	2300	26096

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
STA. 2242+00 TO 2298+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1134-A3
SCALE AS SHOWN
SHEET NO. 5 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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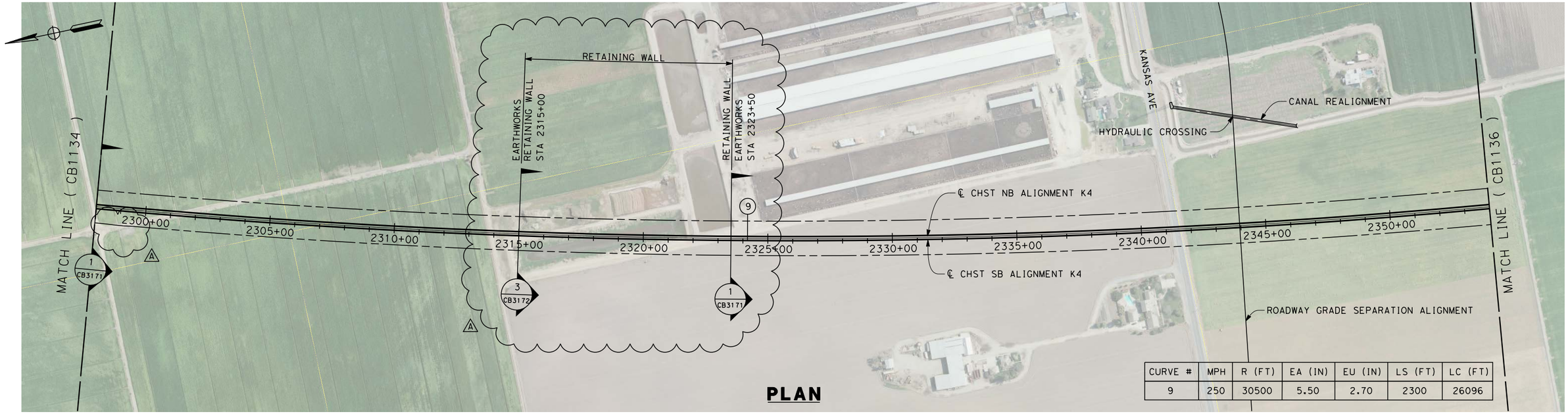
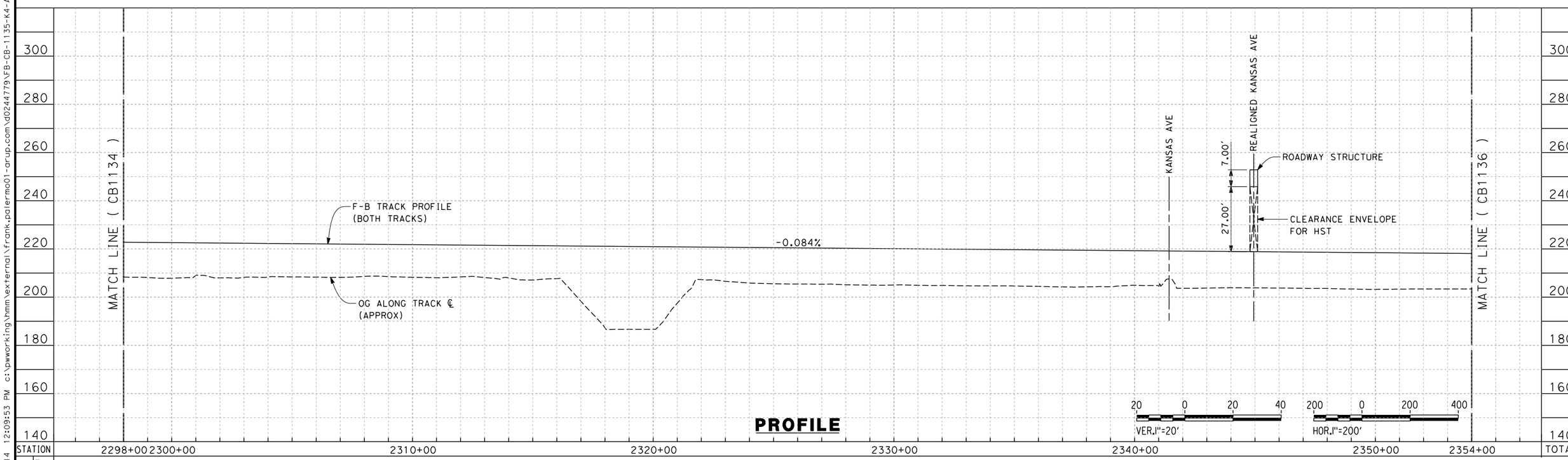


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
9	250	30500	5.50	2.70	2300	26096

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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 K4
STA. 2298+00 TO 2354+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1135-A3
SCALE AS SHOWN
SHEET NO. 6 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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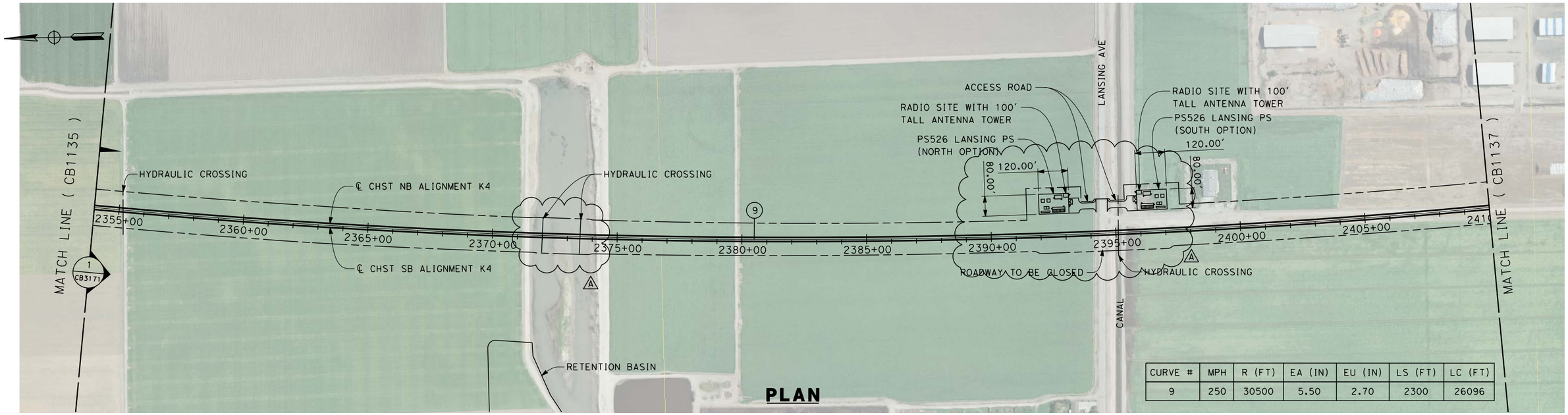

PLAN

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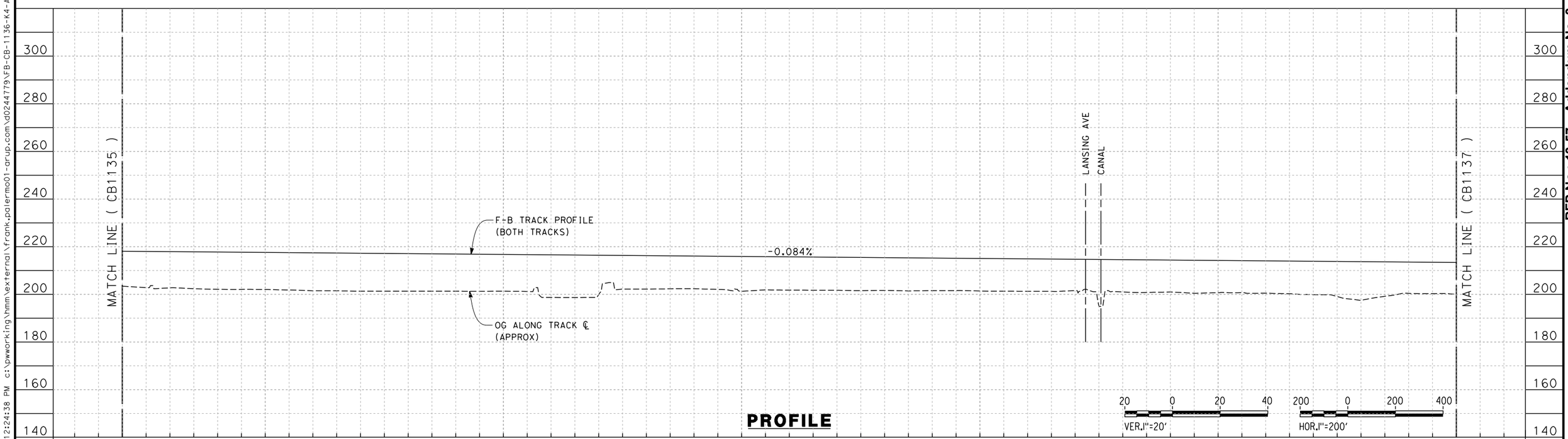

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
STA. 2354+00 TO 2410+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1136-A3
SCALE AS SHOWN
SHEET NO. 7 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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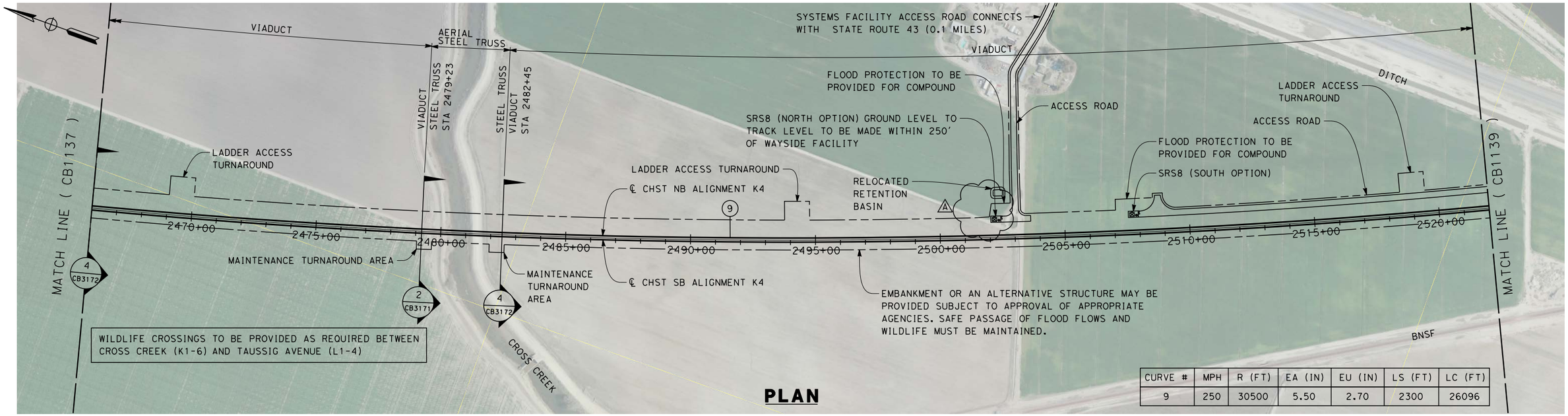

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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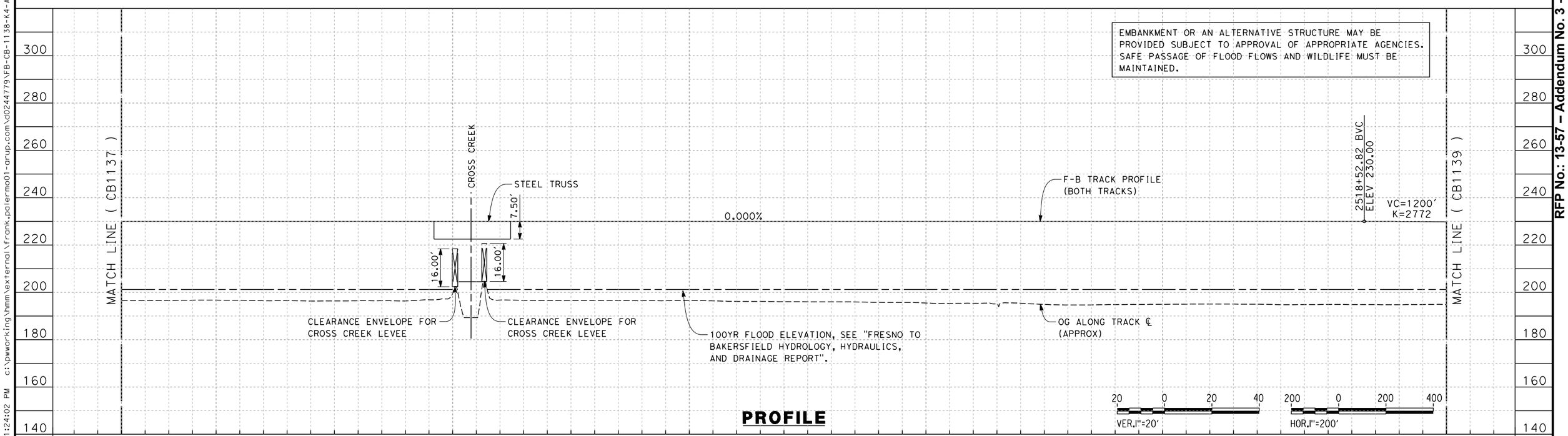
PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY G. WALKER
DRAWN BY P. TONKIN
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
STA. 2466+00 TO 2522+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1138-A3
SCALE AS SHOWN
SHEET NO. 9 OF 13

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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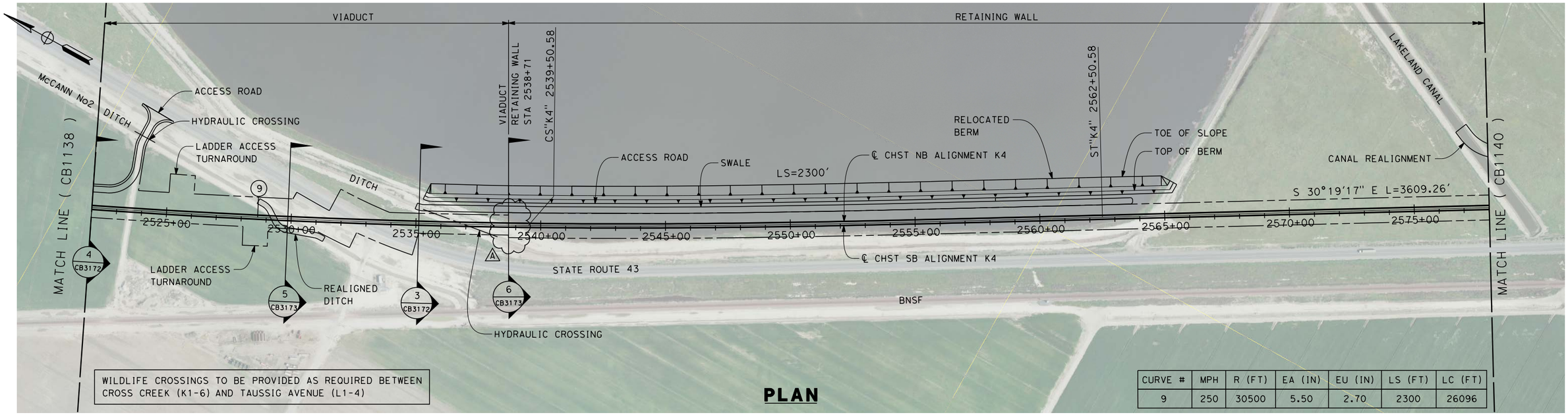
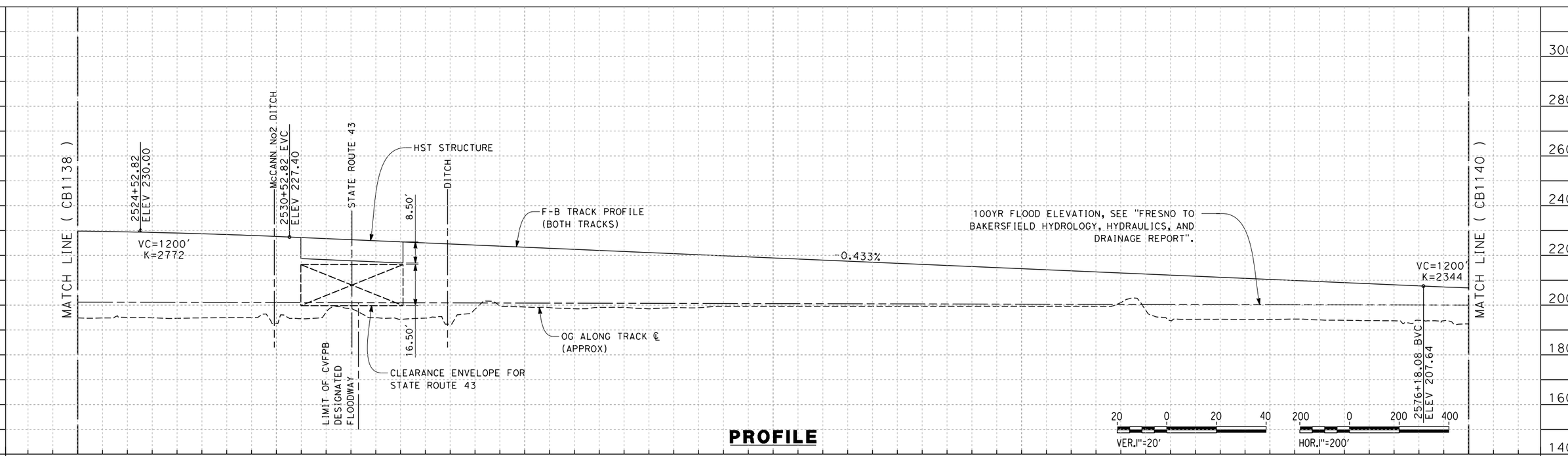


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
9	250	30500	5.50	2.70	2300	26096



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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 K4
STA. 2522+00 TO 2578+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1139-A3
SCALE AS SHOWN
SHEET NO. 10 OF 15

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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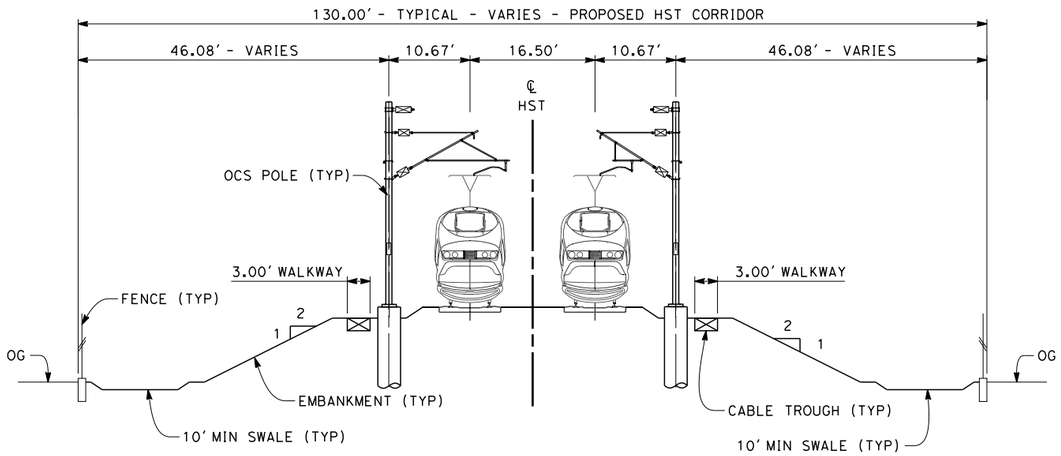
NOTES:

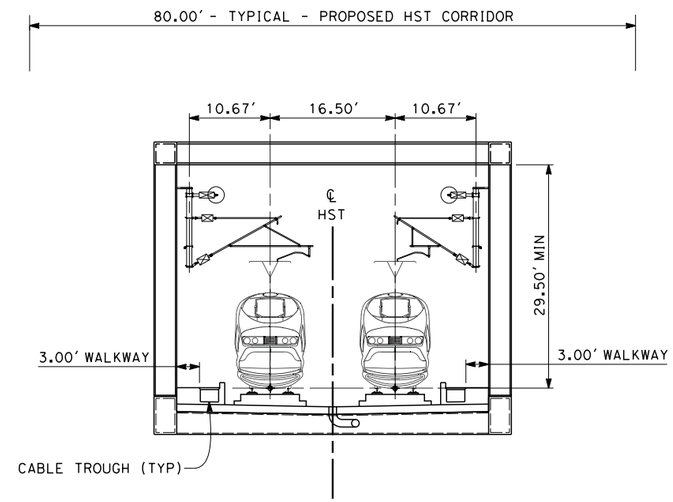
1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES



SECTION 1

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 2074+96 THROUGH STA 2240+32
STA 2246+03 THROUGH STA 2315+00
STA 2323+50 THROUGH STA 2436+00

A



SECTION 2

TWIN TRACK - AERIAL STEEL TRUSS
STA 2240+32 THROUGH STA 2246+03
STA 2479+23 THROUGH STA 2482+45

10 0 10 20
1"=10'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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 K4
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3171-A3
SCALE AS SHOWN
SHEET NO. 12 OF 15

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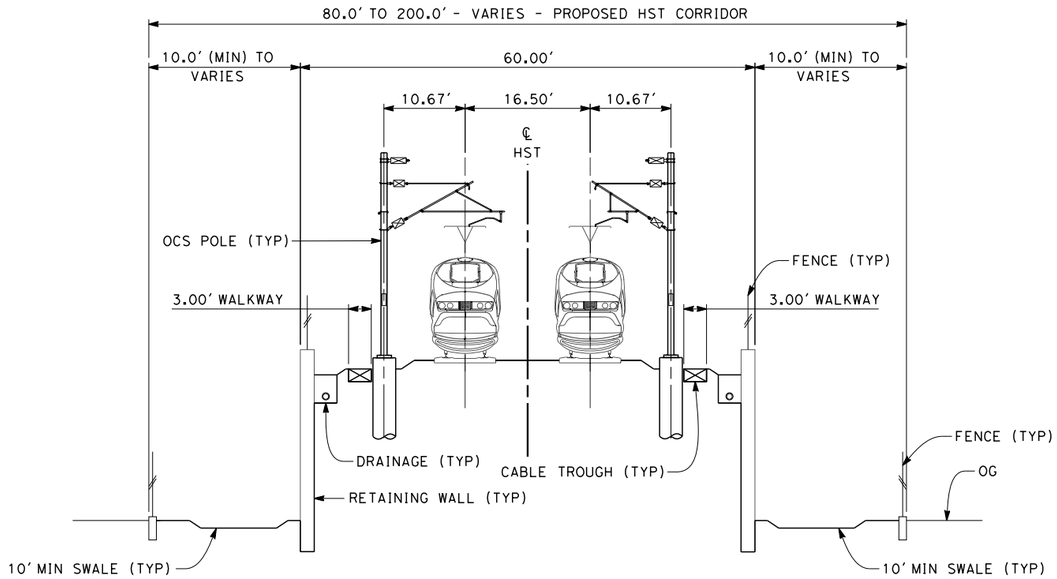
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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 CURVE DATA TABLES
4. LEFT SIDE IS RETAINED EMBANKMENT WITH OPEN DRAINAGE FROM STA 2315+00 THROUGH 2319+00 AND RIGHT SIDE IS EMBANKMENT WITH OPEN DRAINAGE FROM STA 2315+00 THROUGH 2318+50.
   RIGHT SIDE IS RETAINED EMBANKMENT WITH OPEN DRAINAGE FROM STA 2318+50 THROUGH 2323+50 AND LEFT SIDE IS EMBANKMENT WITH OPEN DRAINAGE FROM 2319+50 THROUGH 2323+50.

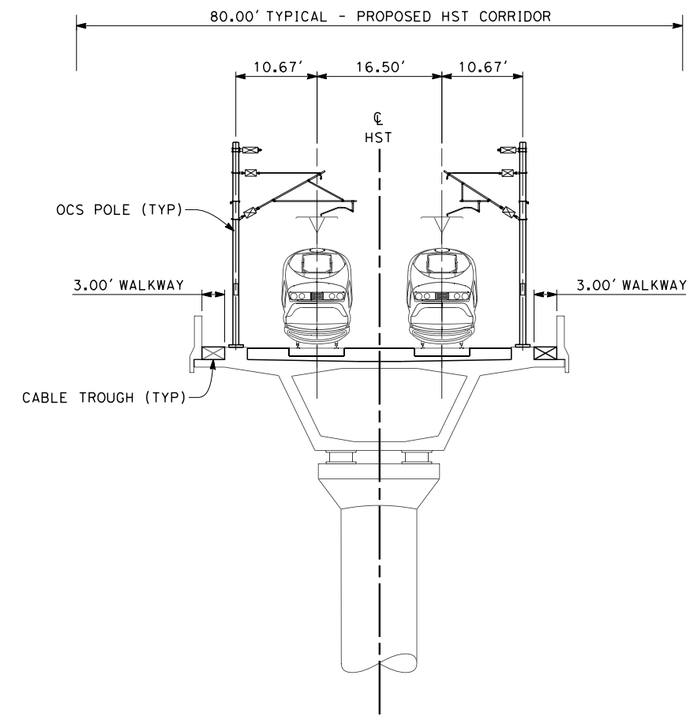
A



SECTION 3

TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
STA 2315+00 THROUGH STA 2323+50 (SEE NOTE 4)
STA 2436+00 THROUGH STA 2446+81

A



SECTION 4

TWIN TRACK - AERIAL VIADUCT
STA 2446+81 THROUGH STA 2479+23
STA 2482+45 THROUGH STA 2529+86
STA 2535+11 THROUGH STA 2538+71

10 0 10 20
1"=10'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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 K4
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3172-A3
SCALE AS SHOWN
SHEET NO. 13 OF 15

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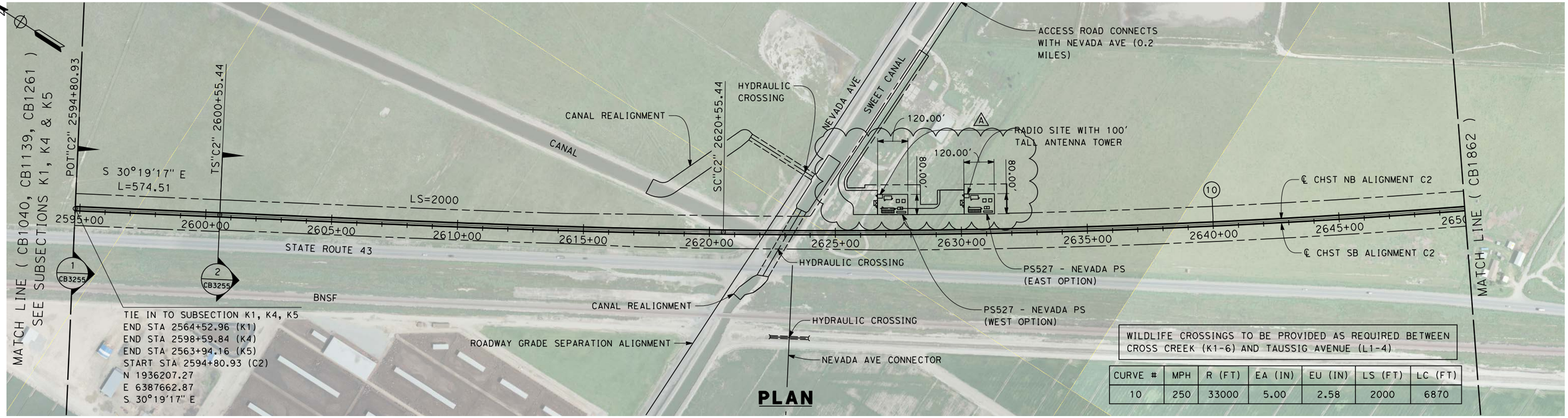
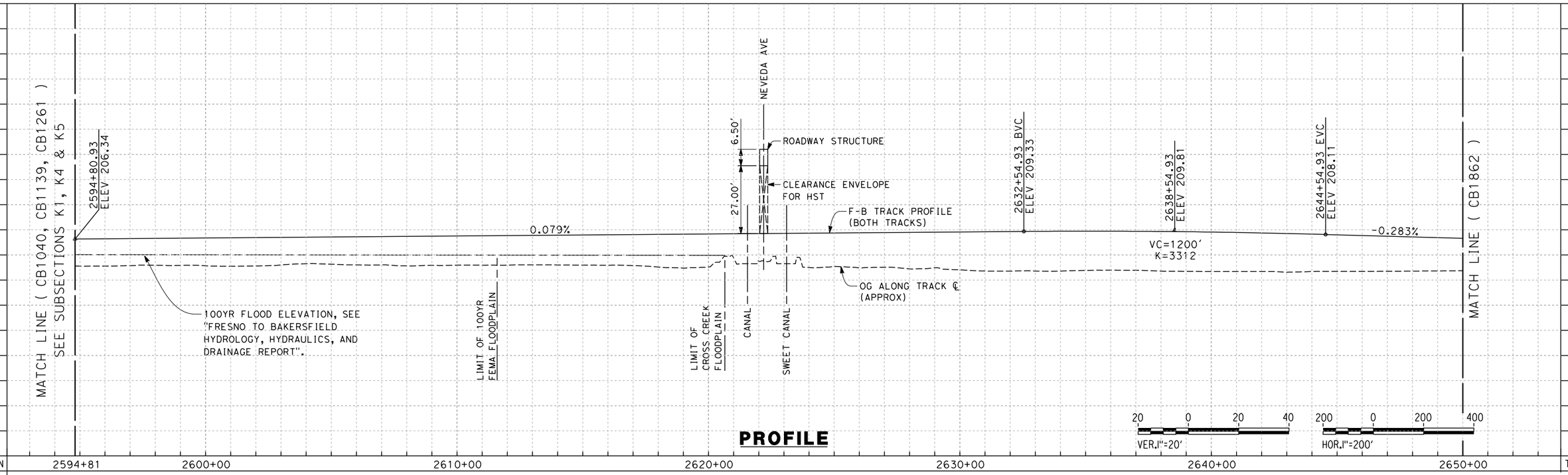


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
10	250	33000	5.00	2.58	2000	6870

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2594+81 TO 2650+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1861-A3
SCALE AS SHOWN
SHEET NO. 2 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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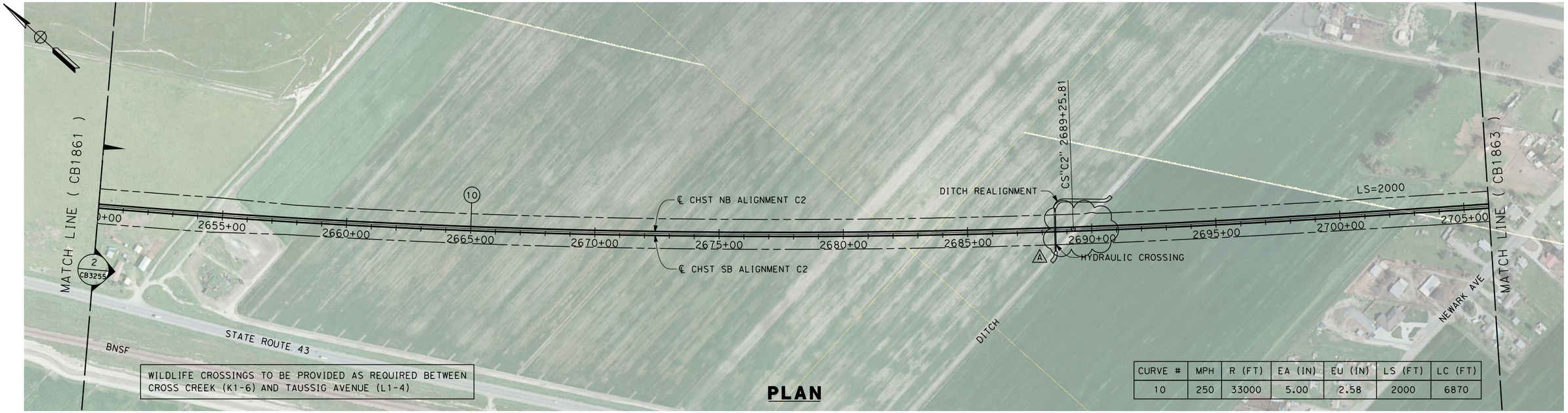
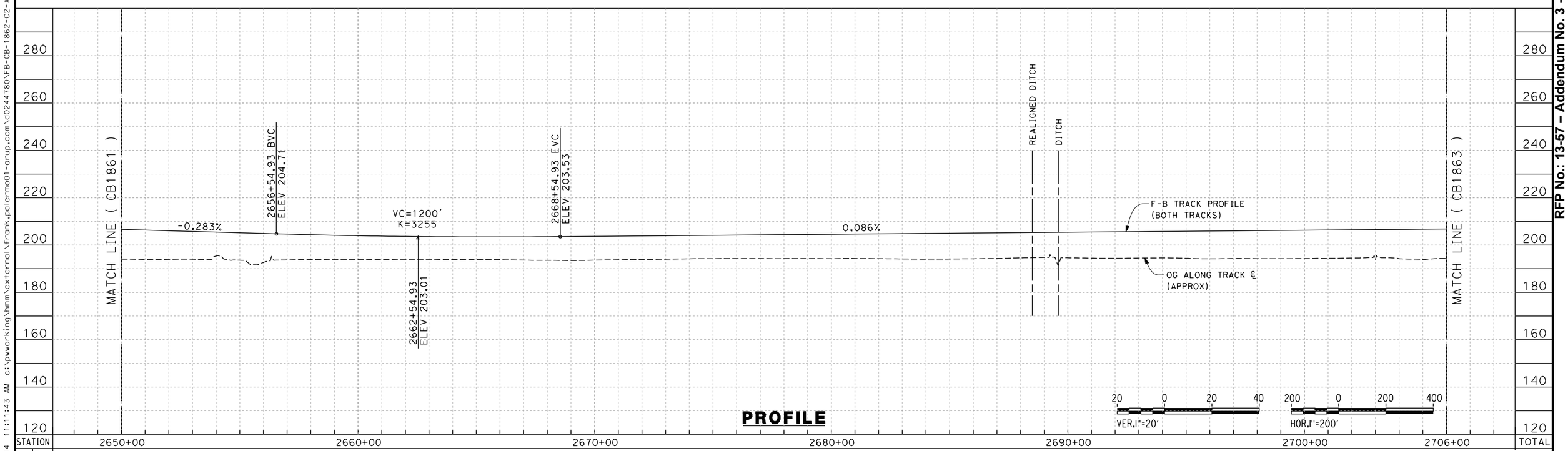


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
10	250	33000	5.00	2.58	2000	6870



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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
CORCORAN BYAPSS SUBSECTION
ALIGNMENT C2
STA 2650+00 TO 2706+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1862-A3
SCALE AS SHOWN
SHEET NO. 3 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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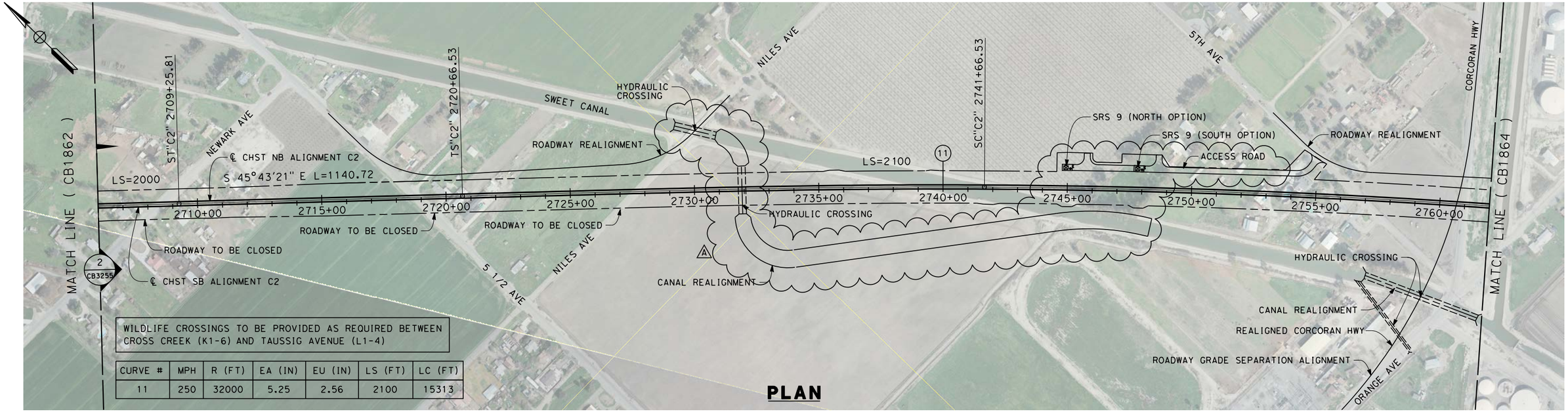
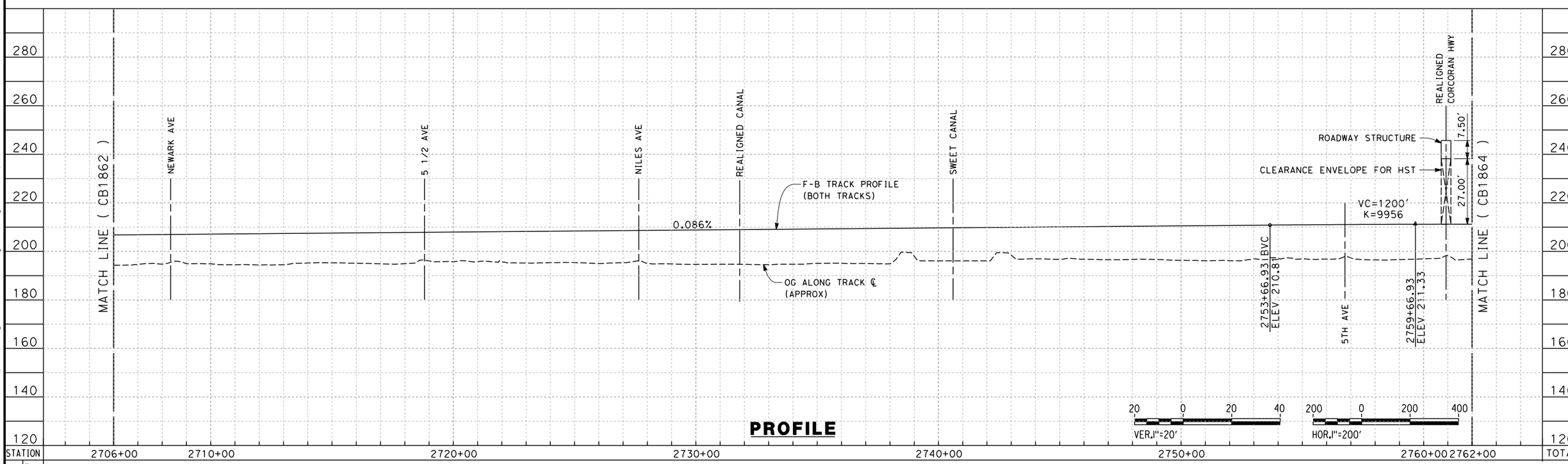


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
11	250	32000	5.25	2.56	2100	15313

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2706+00 TO 2762+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1863-A3
SCALE AS SHOWN
SHEET NO. 4 OF 16

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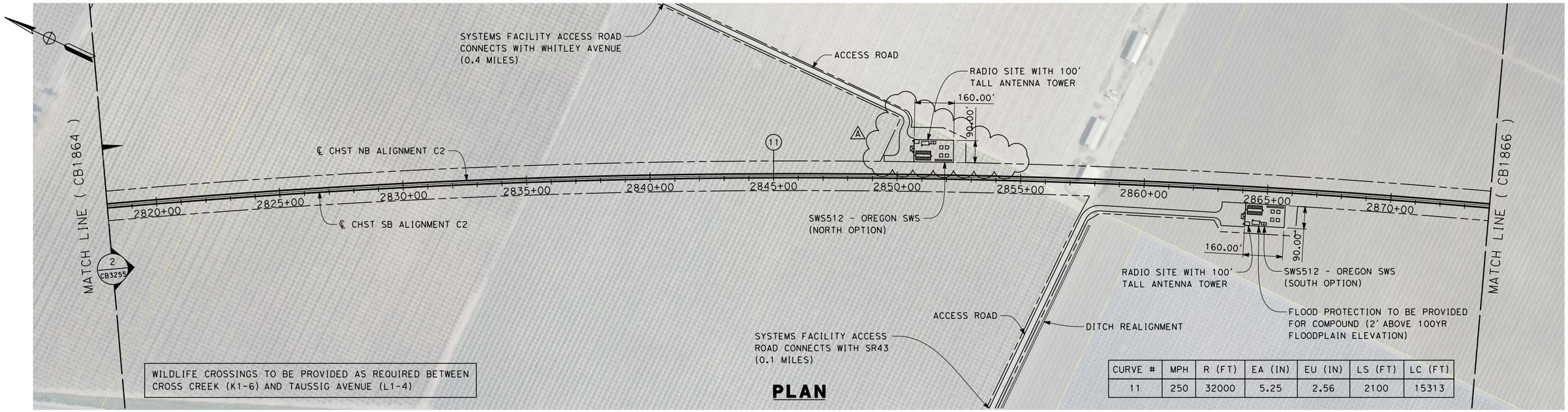
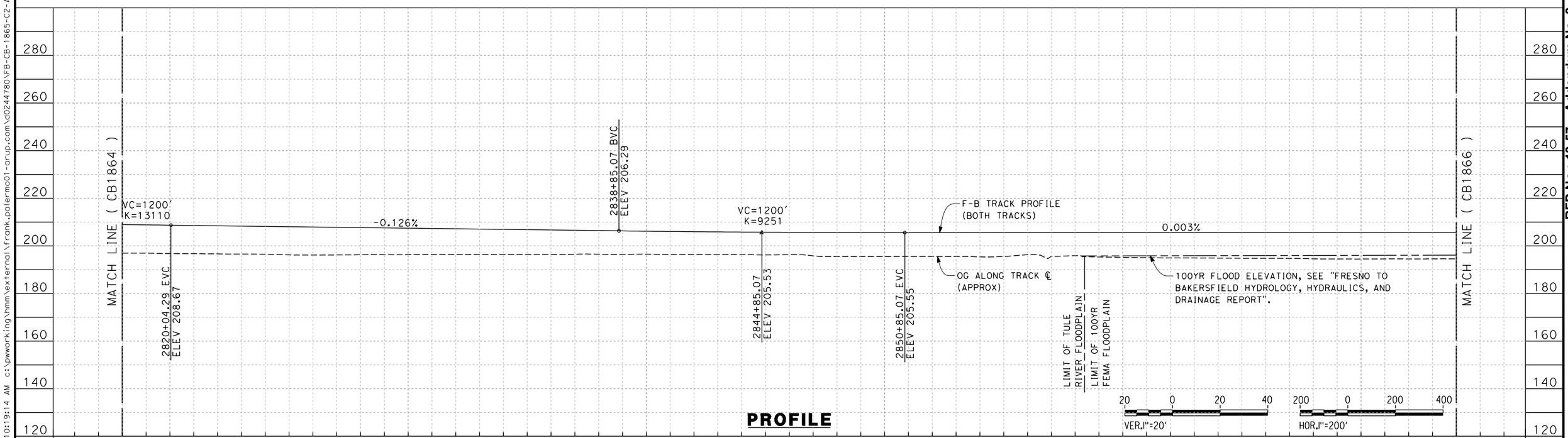
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
11	250	32000	5.25	2.56	2100	15313

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2818+00 TO 2874+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1865-A3
SCALE AS SHOWN
SHEET NO. 6 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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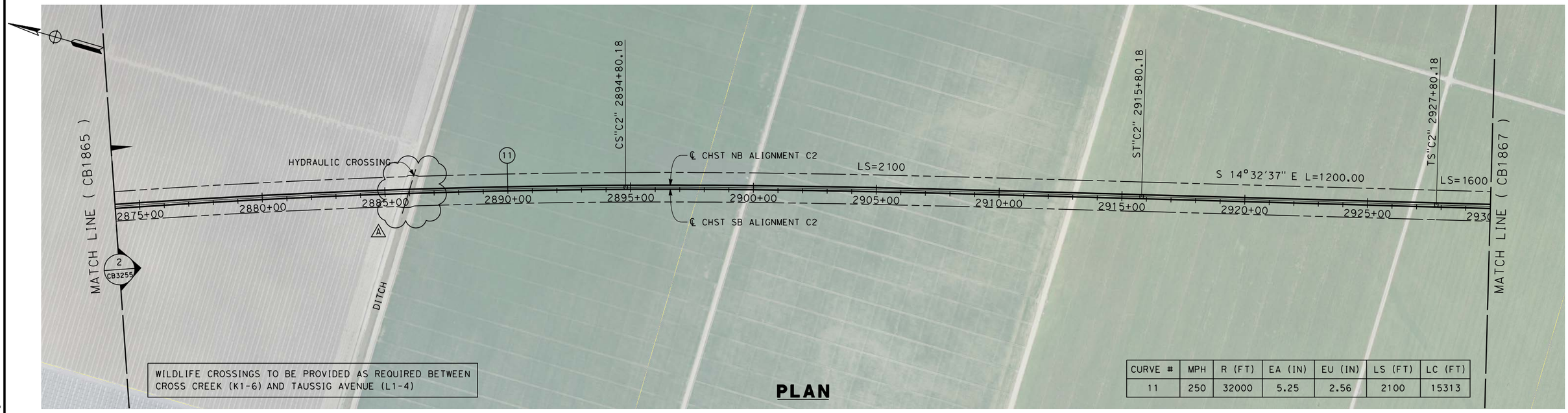
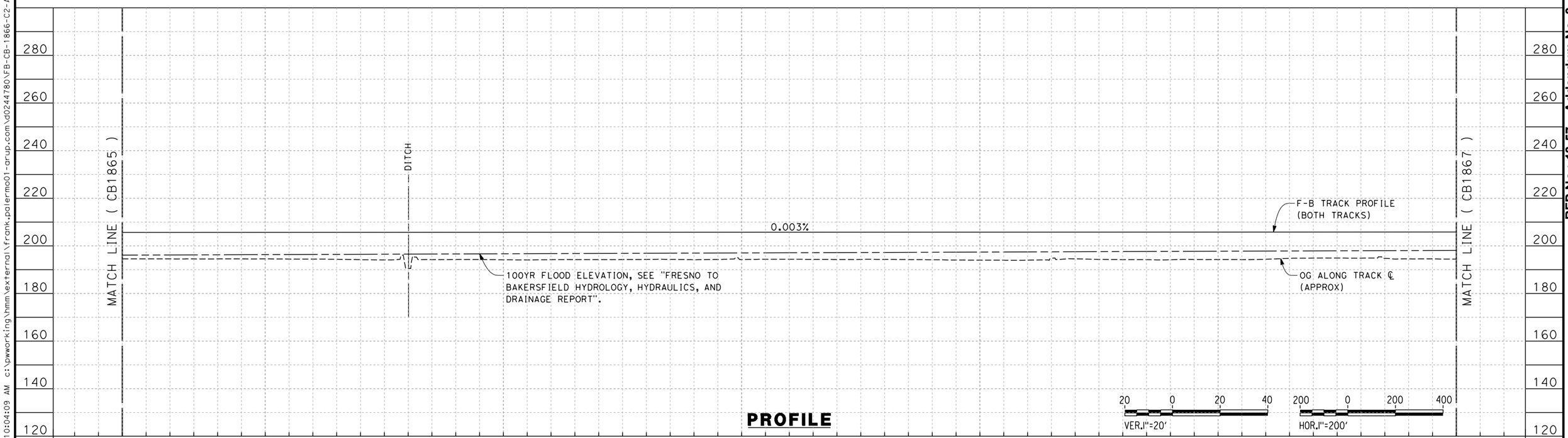


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
11	250	32000	5.25	2.56	2100	15313



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2874+00 TO 2930+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1866-A3
SCALE AS SHOWN
SHEET NO. 7 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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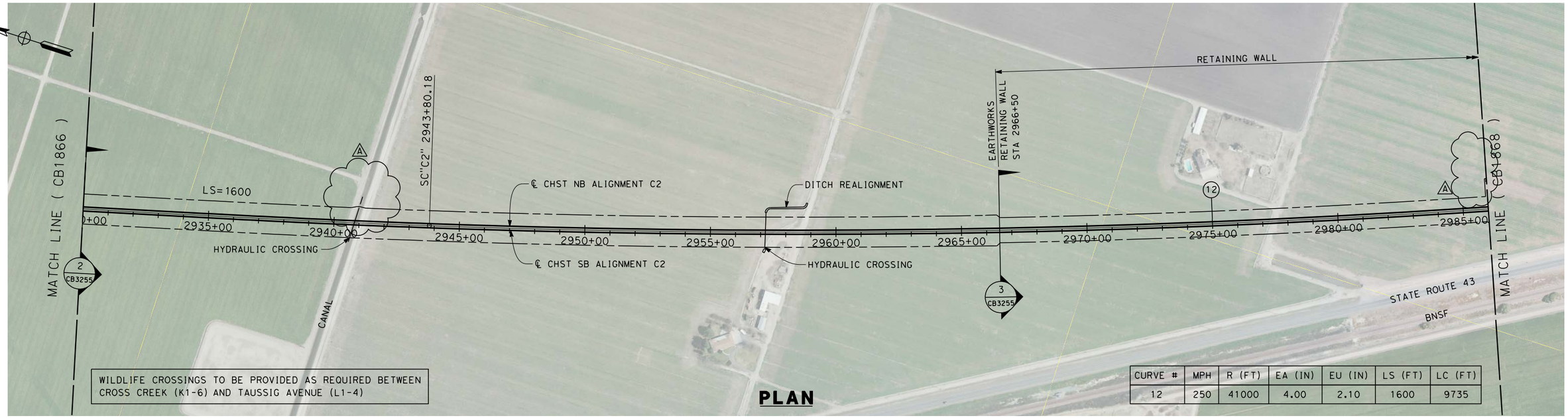
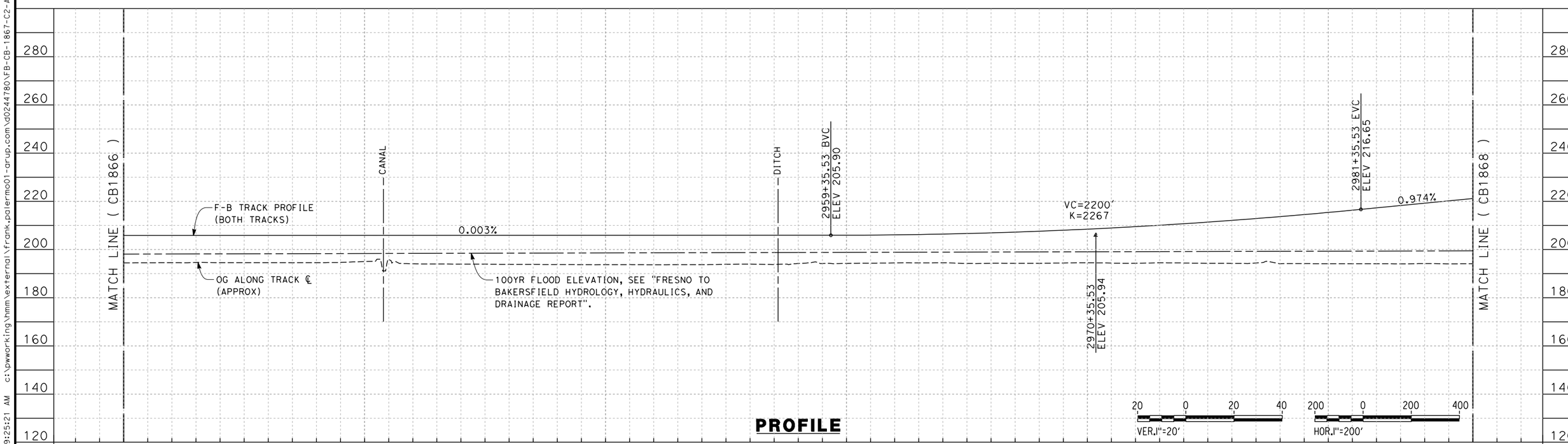


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
12	250	41000	4.00	2.10	1600	9735

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 03/19/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2930+00 TO 2986+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1867-A3
SCALE AS SHOWN
SHEET NO. 8 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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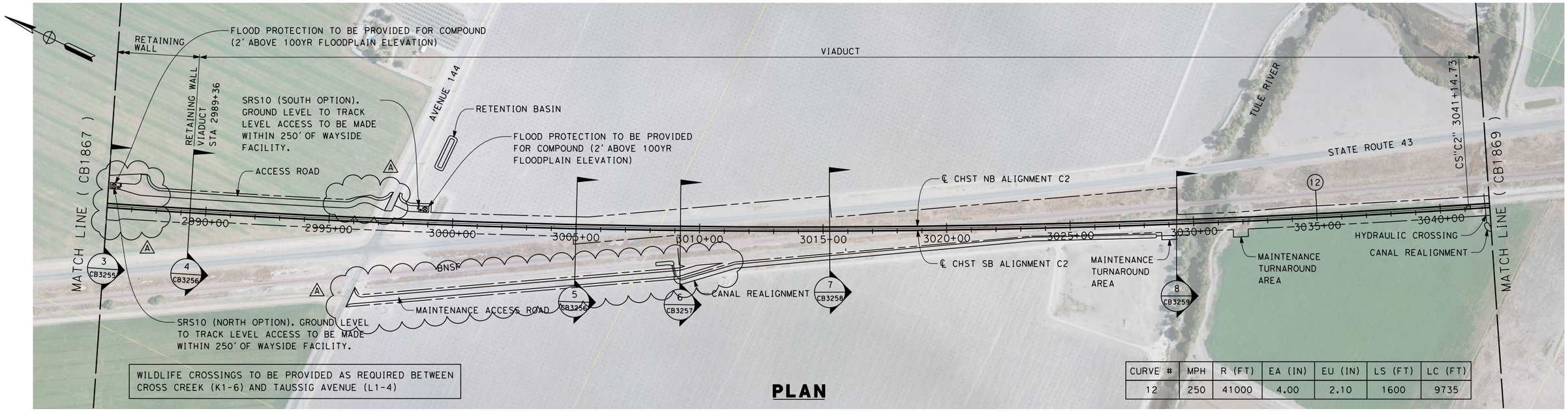
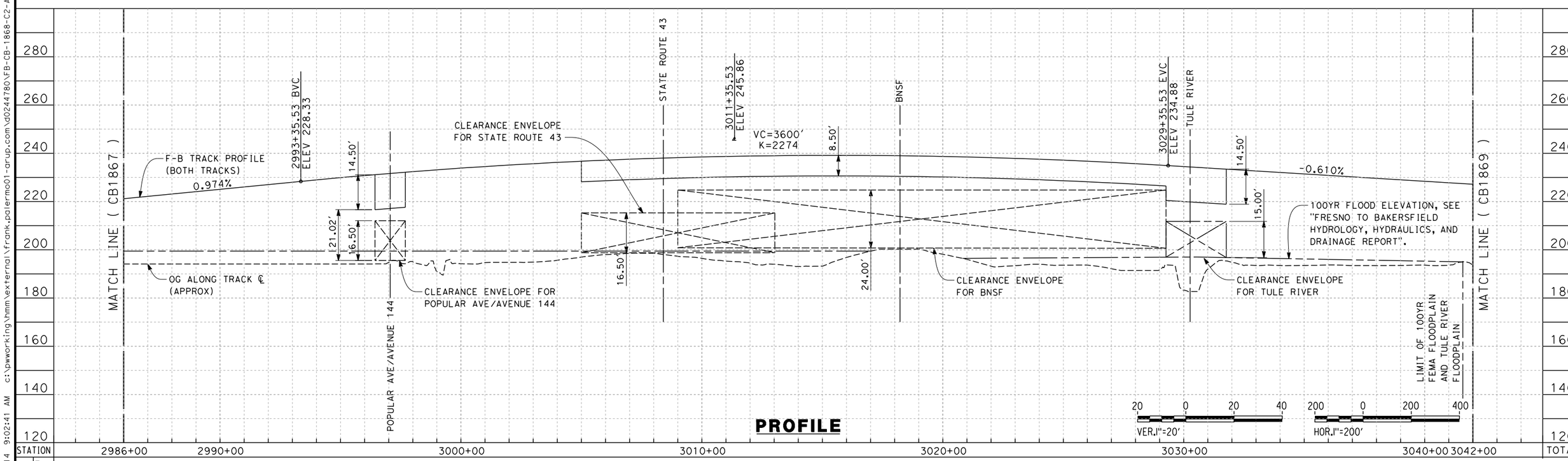


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
12	250	41000	4.00	2.10	1600	9735

PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 2986+00 TO 3042+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1868-A3
SCALE AS SHOWN
SHEET NO. 9 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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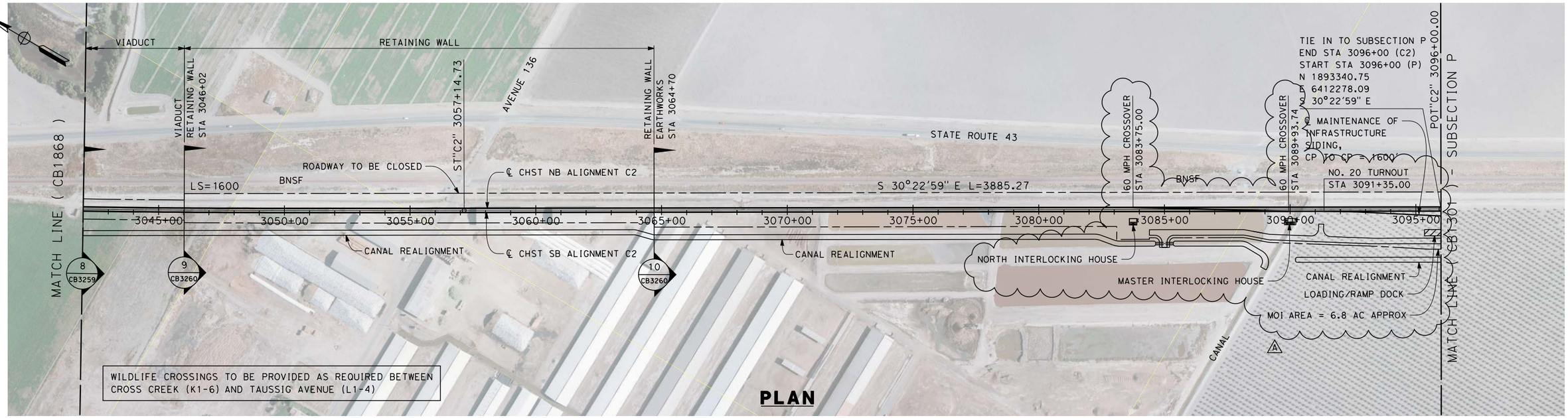

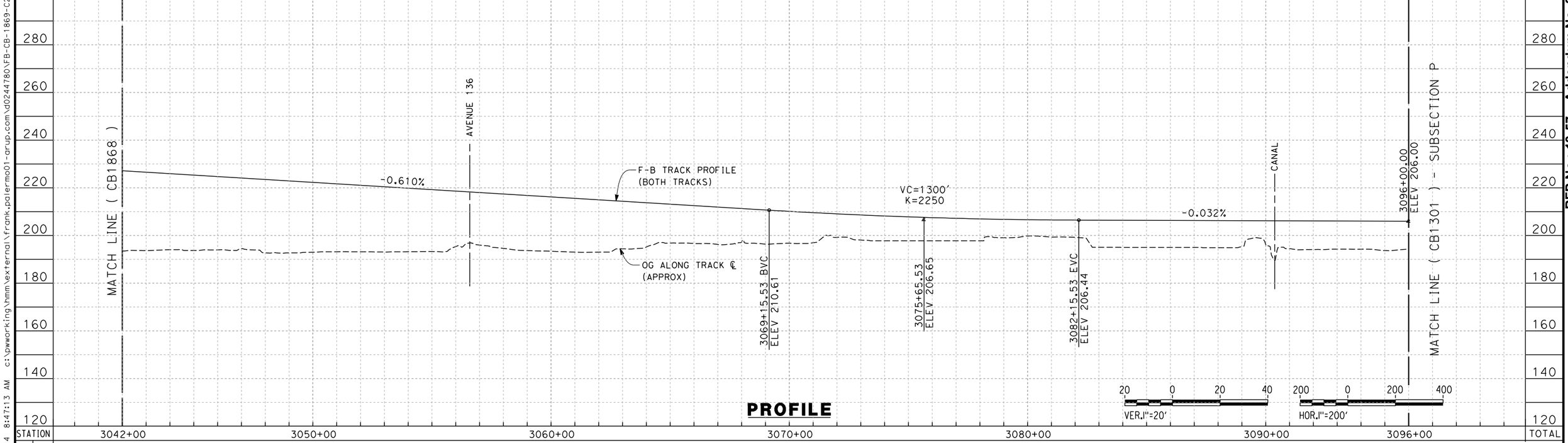

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA 3042+00 TO 3096+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1869-A3
SCALE AS SHOWN
SHEET NO. 10 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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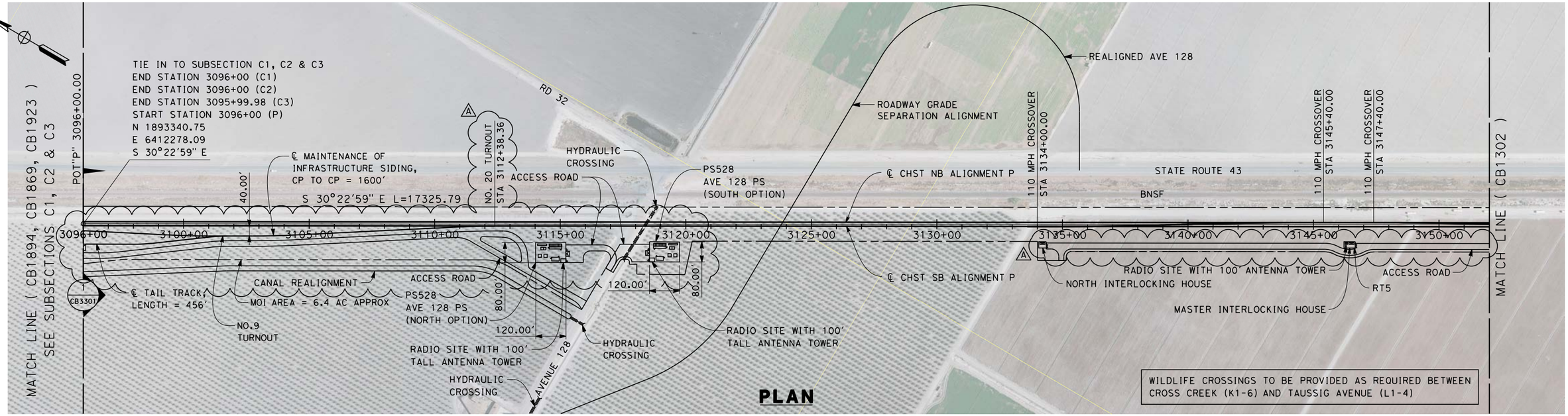
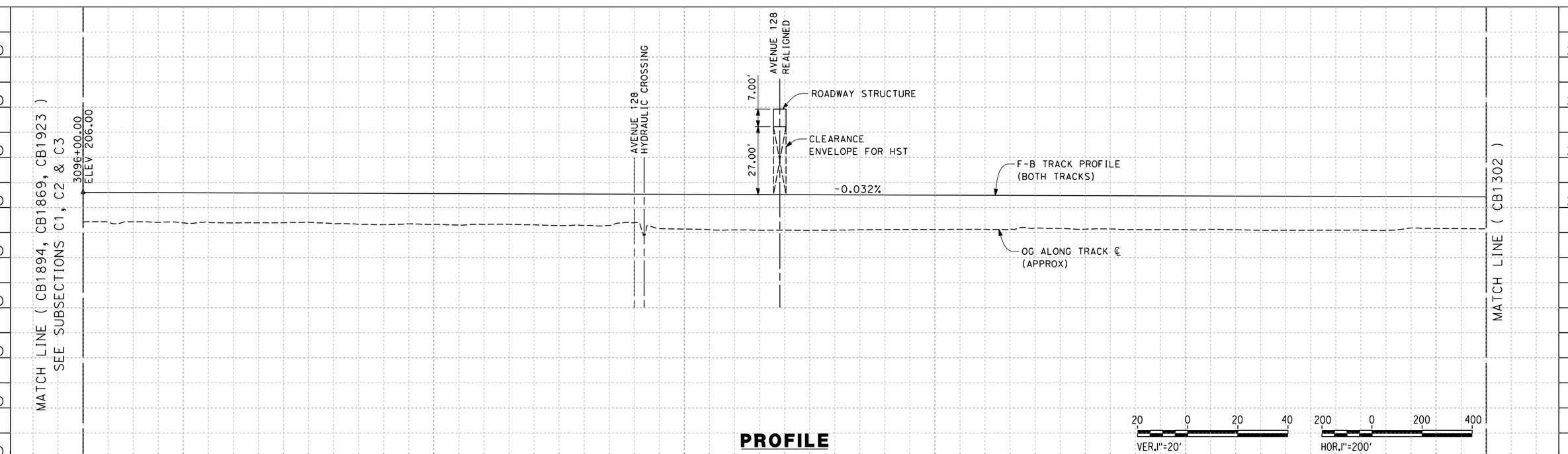


PLAN



PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3096+00 TO 3152+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1301-A3
SCALE AS SHOWN
SHEET NO. 2 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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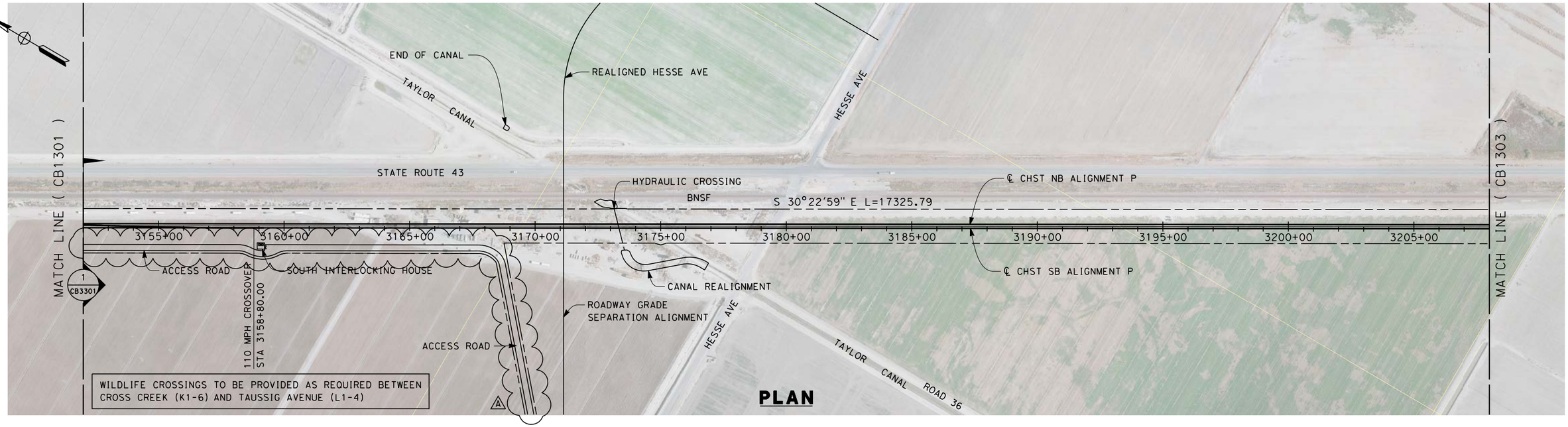

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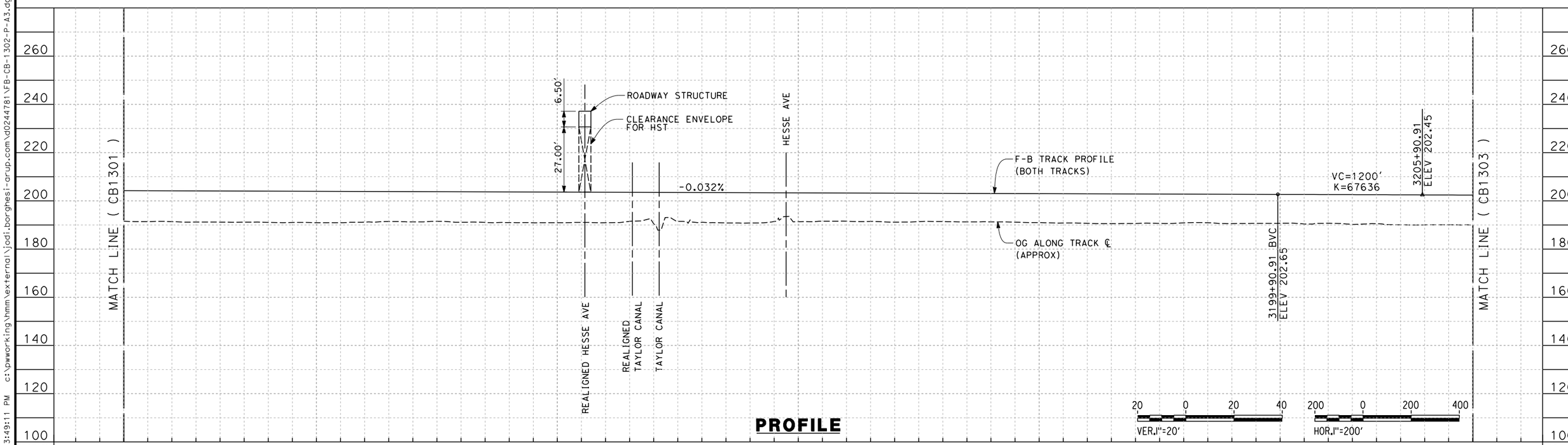

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3152+00 TO 3208+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1302-A3
SCALE AS SHOWN
SHEET NO. 3 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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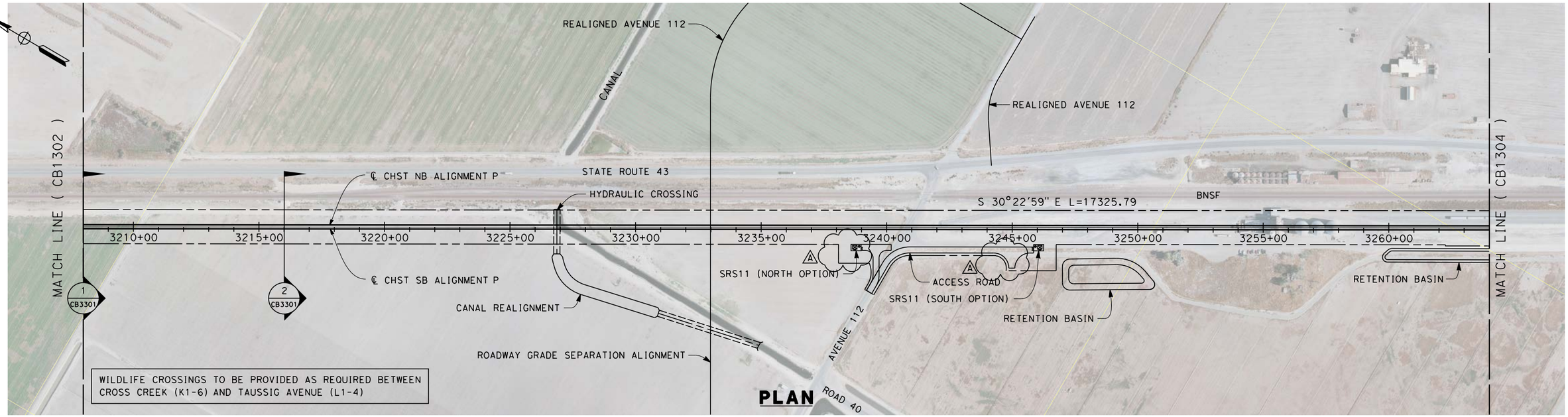

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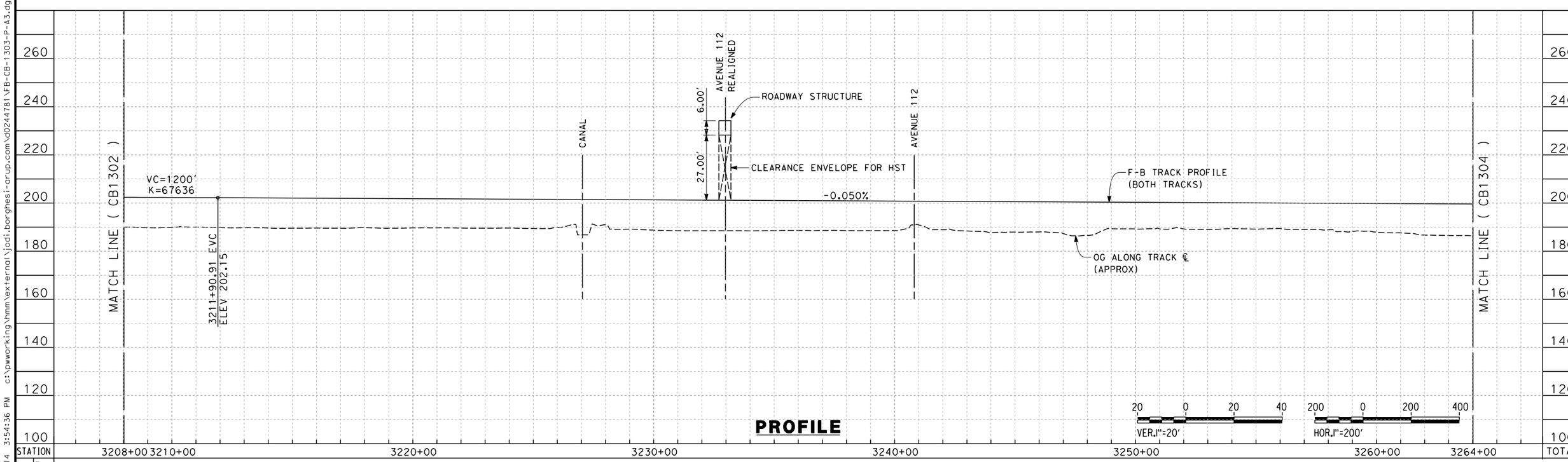

PROFILE

ADDENDUM 3 - RFP HSR 13-57

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A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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DATE 05/23/14

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3208+00 TO 3264+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1303-A3
SCALE AS SHOWN
SHEET NO. 4 OF 9

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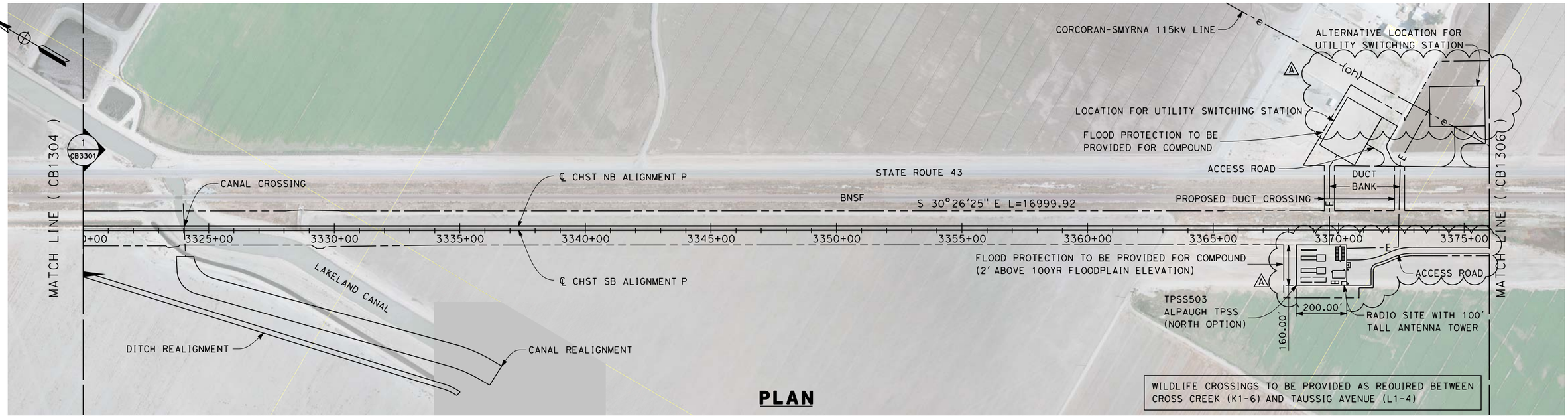
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



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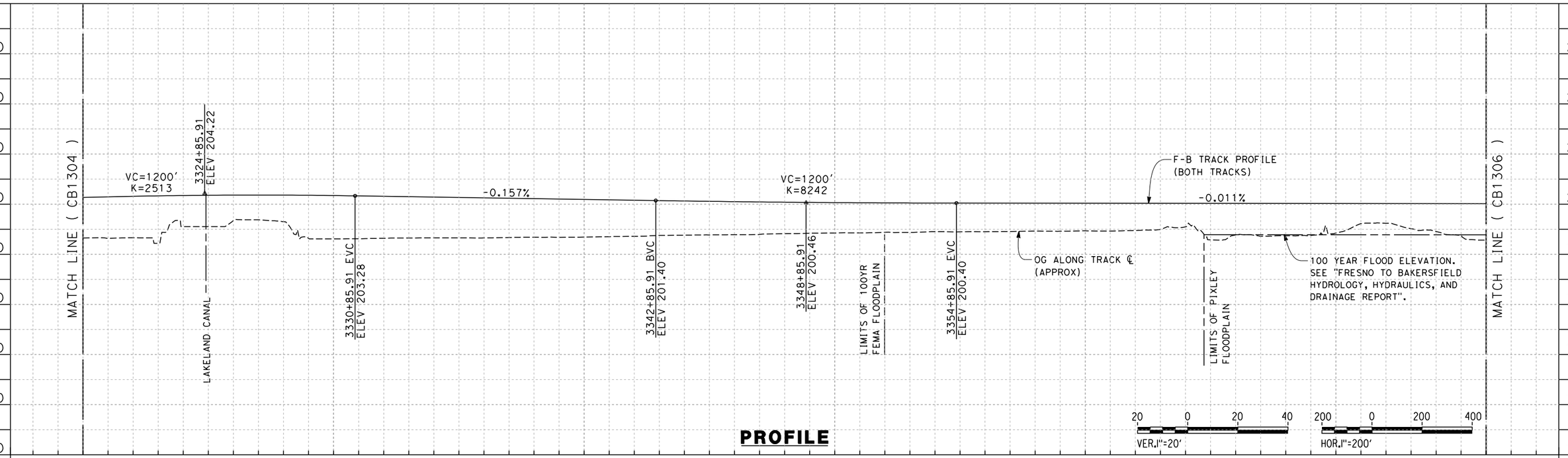

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2017/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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DRAWN BY J. BORGHESI
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IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSTATION
ALIGNMENT P
STA. 3320+00 TP 3376+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1305-A3
SCALE AS SHOWN
SHEET NO. 6 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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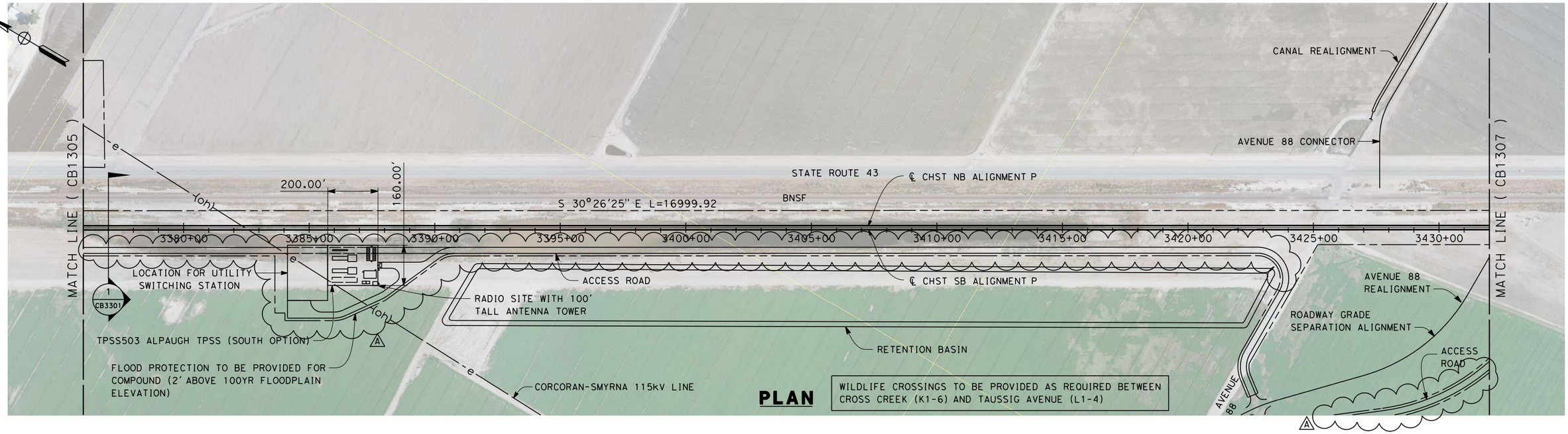
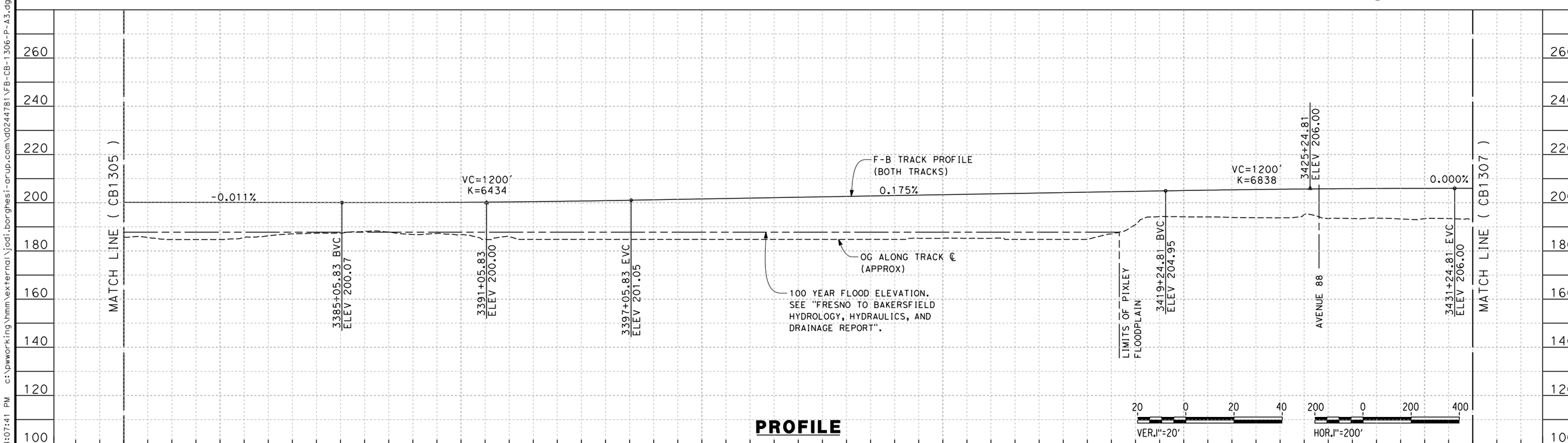


PLAN

WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-6) AND TAUSSIG AVENUE (L1-4)



PROFILE

ADDENDUM 3 - RFP HSR 13-57

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A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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IN CHARGE R. COFFIN
DATE 05/23/14

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3376+00 TO 3432+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1306-A3
SCALE AS SHOWN
SHEET NO. 7 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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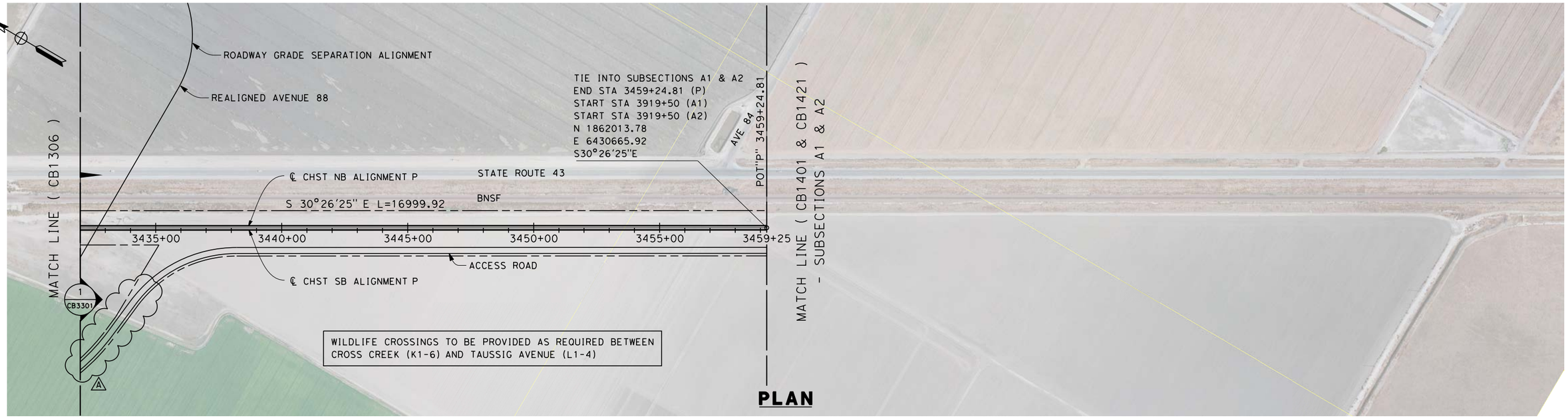

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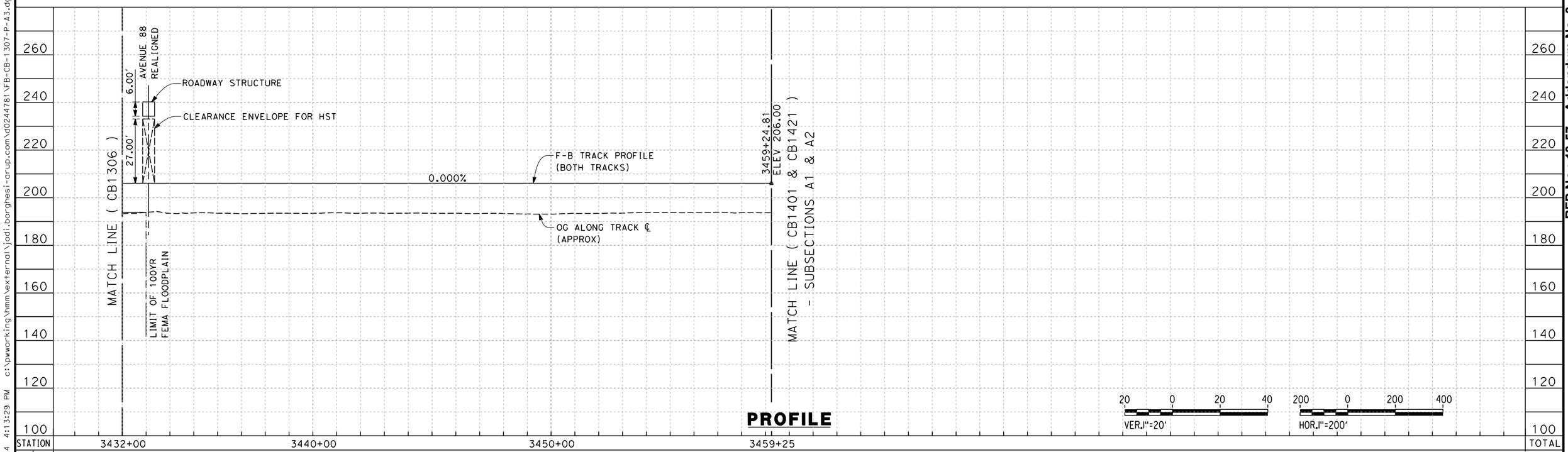

PROFILE

ADDENDUM 3 - RFP HSR 13-57

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IN CHARGE R. COFFIN
DATE 05/23/14

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3432+00 TO 3459+25
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1307-A3
SCALE AS SHOWN
SHEET NO. 8 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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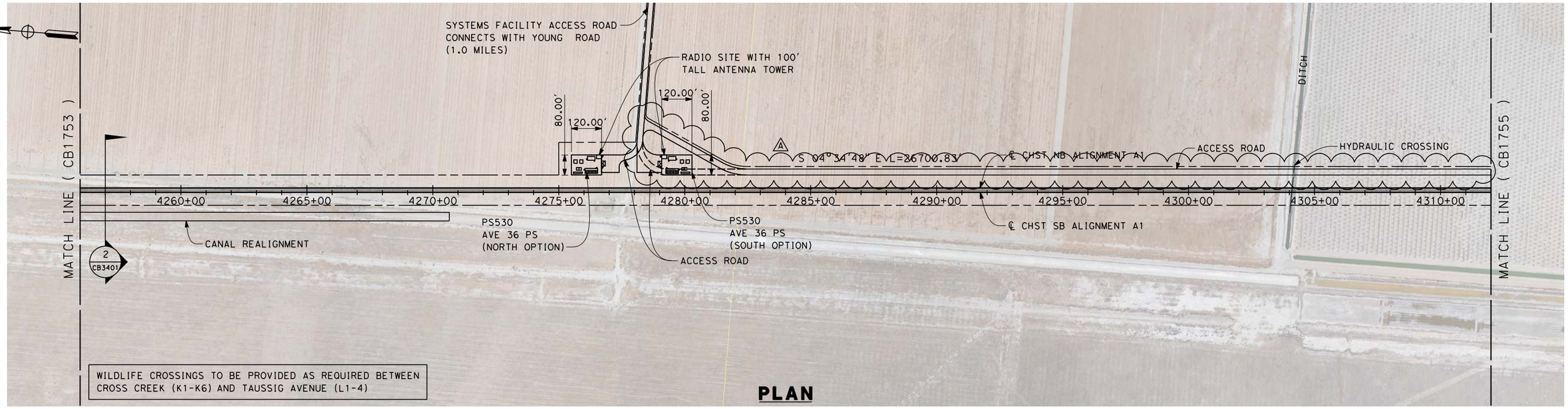

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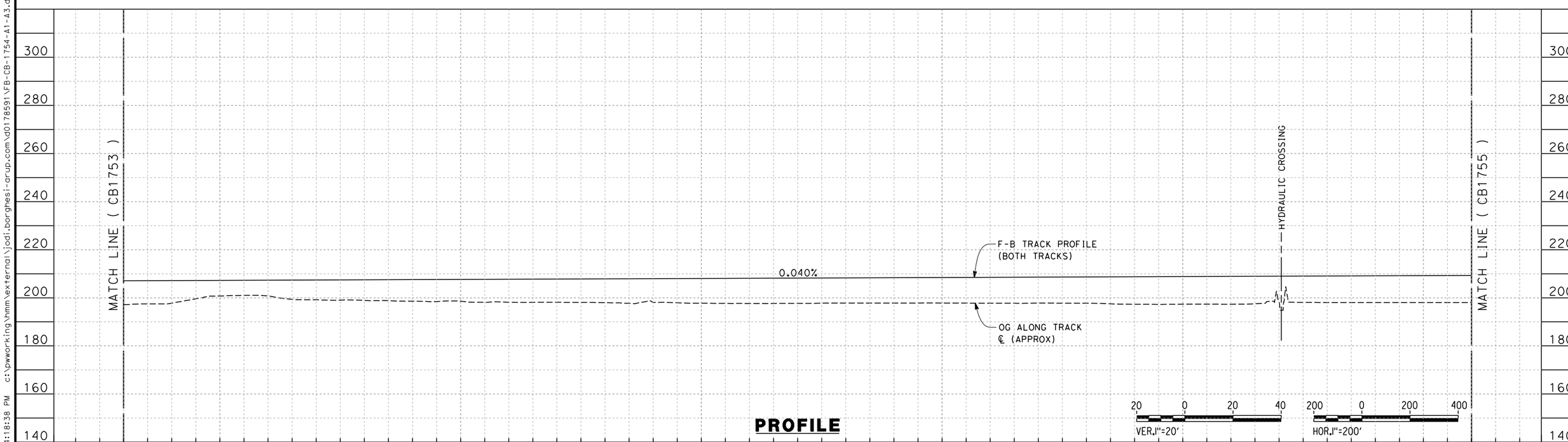

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 05/23/14

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4256+00 TO 4312+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1754-A3
SCALE AS SHOWN
SHEET NO. 8 OF 21

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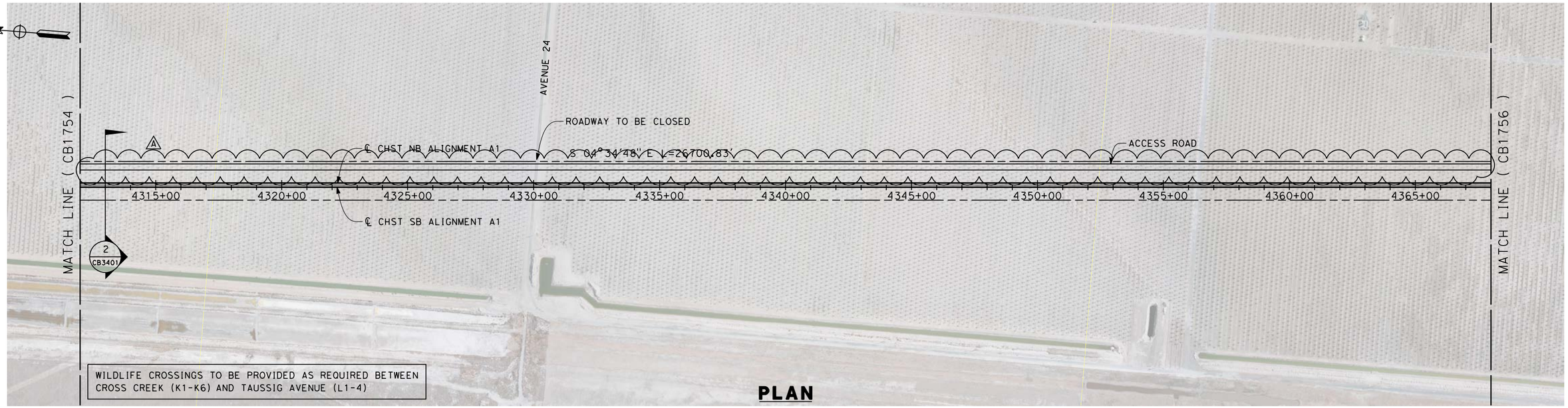

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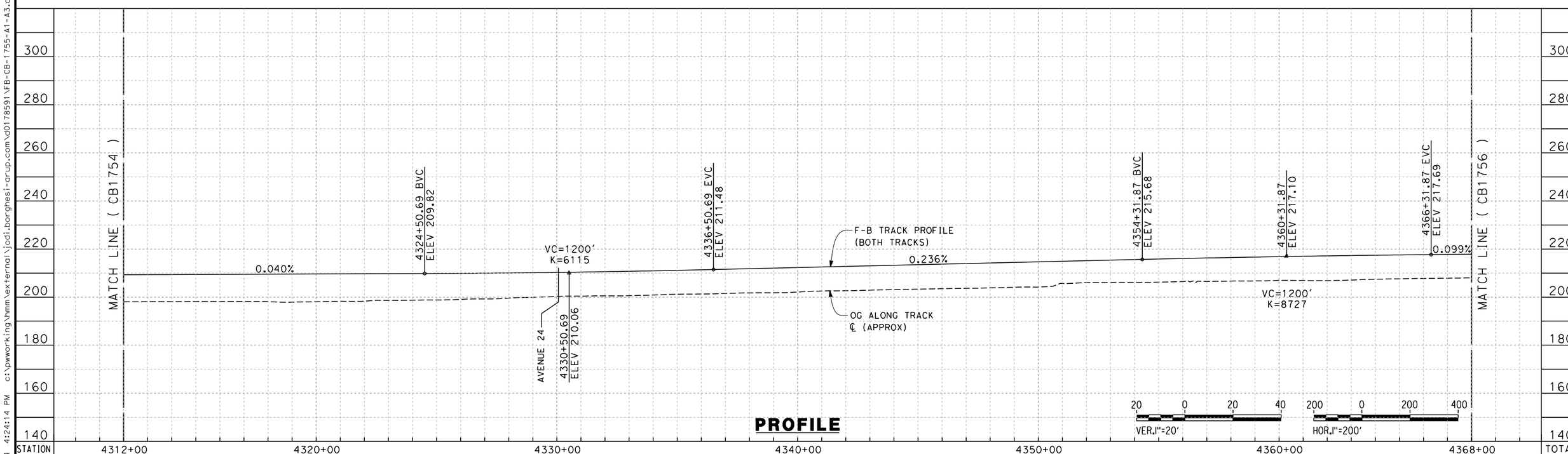

PROFILE

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4312+00 TO 4368+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1755-A3
SCALE AS SHOWN
SHEET NO. 9 OF 21

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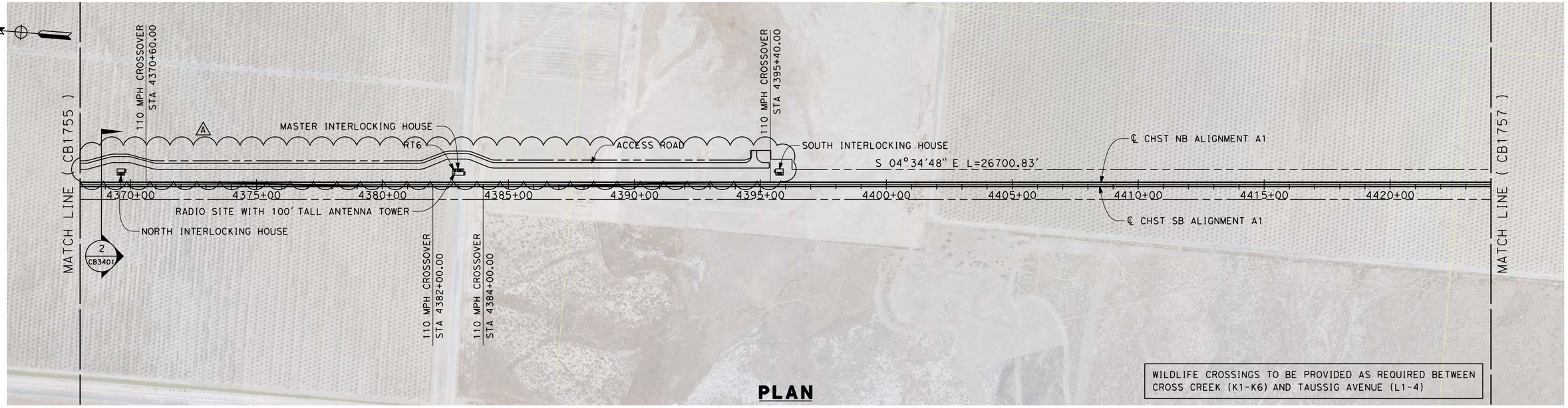
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



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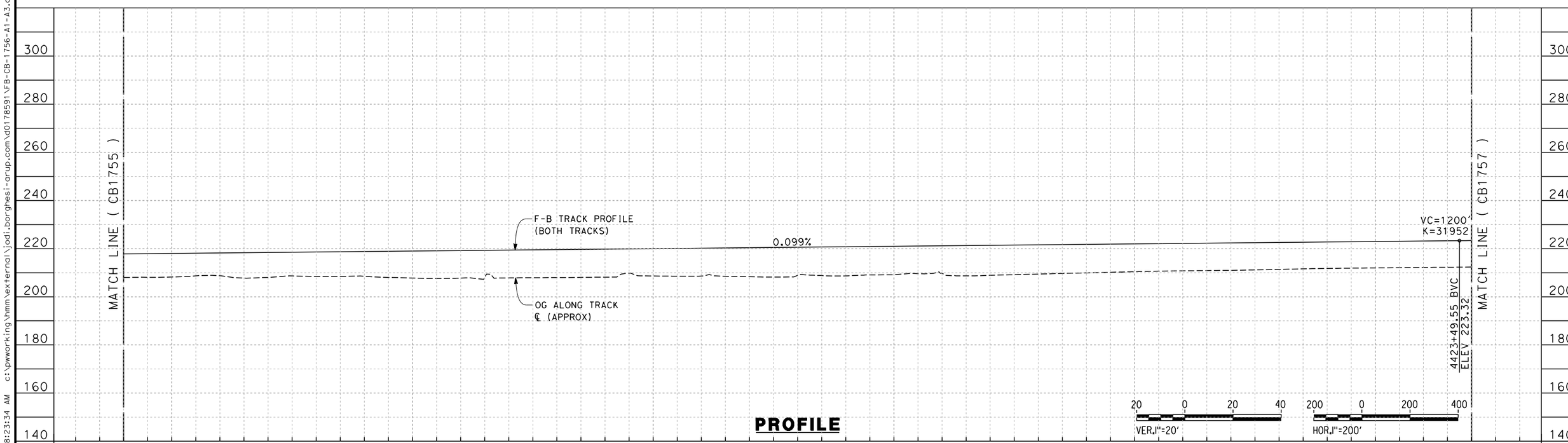

PROFILE

ADDENDUM 3 - RFP HSR 13-57

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A	2014/06	PT	KS	SB	REVISED FOR ADDENDUM 3

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IN CHARGE R. COFFIN
DATE 05/23/14

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URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4368+00 TO 4424+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1756-A3
SCALE AS SHOWN
SHEET NO. 10 OF 21

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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GENERAL SHEETS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
TT-B0001		ALIGNMENT - LOCATION MAP	1 OF 5
GE-A0024	A	HST STRUCTURES - INDEX OF SHEETS (SHEET 1 OF 2)	2 OF 5
GE-A0025	A	HST STRUCTURES - INDEX OF SHEETS (SHEET 2 OF 2)	3 OF 5
CB0010		GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 1 OF 2	4 OF 5
CB0011		GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 2 OF 2	5 OF 5

ALIGNMENT H - CONEJO VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2220		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - KEY MAP	1 OF 8
SV2221		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	2 OF 8
SV2222		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	3 OF 8
SV2223		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	4 OF 8
SV2224		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	5 OF 8
SV2225		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	6 OF 8
SV2226		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - PLAN AND ELEVATION	7 OF 8
SV2227		HANFORD SUBSECTION - ALIGNMENT H - CONEJO VIADUCT - TYPICAL SECTIONS	8 OF 8

ALIGNMENT H - KINGS RIVER VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2258		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - KEY MAP	1 OF 18
SV2259	A	HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	2 OF 18
SV2260		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	3 OF 18
SV2261		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	4 OF 18
SV2262		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	5 OF 18
SV2263		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	6 OF 18
SV2264		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	7 OF 18
SV2265		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	8 OF 18
SV2266		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	9 OF 18
SV2267		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	10 OF 18
SV2268		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	11 OF 18
SV2269		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	12 OF 18
SV2270		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	13 OF 18
SV2271		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	14 OF 18
SV2272		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	15 OF 18
SV2273		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - PLAN AND ELEVATION	16 OF 18
SV2274		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - TYPICAL SECTIONS	17 OF 18
SV2275		HANFORD SUBSECTION - ALIGNMENT H - KINGS RIVER VIADUCT - TYPICAL SECTIONS	18 OF 18

ALIGNMENT H - HANFORD VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2300		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - KEY MAP	1 OF 14
SV2301		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	2 OF 14
SV2302		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	3 OF 14
SV2303		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	4 OF 14
SV2304		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	5 OF 14
SV2305		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	6 OF 14
SV2306		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	7 OF 14
SV2307		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	8 OF 14
SV2308		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	9 OF 14
SV2309		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	10 OF 14
SV2310		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	11 OF 14
SV2311		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - PLAN AND ELEVATION	12 OF 14
SV2312		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - TYPICAL SECTIONS	13 OF 14
SV2313		HANFORD SUBSECTION - ALIGNMENT H - HANFORD VIADUCT - TYPICAL SECTIONS	14 OF 14

ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2450		KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - KEY MAP	1 OF 3
SV2451		KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - PLAN AND ELEVATION	2 OF 3
SV2452		KAWEAH SUBSECTION - ALIGNMENT K4 - STATE ROUTE 43 UNDERPASS - TYPICAL SECTIONS	3 OF 3

ALIGNMENT K4 - CROSS CREEK VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2460		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - KEY MAP	1 OF 13
SV2461		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	2 OF 13
SV2462		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	3 OF 13
SV2463		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	4 OF 13
SV2465		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	6 OF 13
SV2466		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	7 OF 13
SV2467		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	8 OF 13
SV2468		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	9 OF 13
SV2469		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	10 OF 13
SV2470		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	11 OF 13
SV2471		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - PLAN AND ELEVATION	12 OF 13
SV2472		KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS CREEK VIADUCT - TYPICAL SECTIONS	13 OF 13

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
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DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 02/04/14

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HST STRUCTURES
INDEX OF SHEETS
SHEET 1 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0024-A3
SCALE NO SCALE
SHEET NO. 2 OF 5

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ALIGNMENT C2 - WHITLEY AVE UNDERPASS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2445		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - WHITLEY AVENUE/SR137 UNDERPASS - KEY MAP	1 OF 2
SV2446		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - WHITLEY AVENUE/SR137 UNDERPASS - PLAN AND ELEVATION	2 OF 2

ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV2490		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - KEY MAP	1 OF 11
SV2491	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	2 OF 11
SV2492	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	3 OF 11
SV2493	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	4 OF 11
SV2494	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	5 OF 11
SV2495	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	6 OF 11
SV2496	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	7 OF 11
SV2497		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - PLAN AND ELEVATION	8 OF 11
SV2499		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	9 OF 11
SV2500		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	10 OF 11
SV2501		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STATE ROUTE 43 BNSF VIADUCT - TYPICAL SECTIONS	11 OF 11

ALIGNMENT A1 - DEER CREEK VIADUCT

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SV1500		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - KEY MAP	1 OF 9
SV1501		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	2 OF 9
SV1502		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	3 OF 9
SV1503		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	4 OF 9
SV1504		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	5 OF 9
SV1505		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	6 OF 9
SV1506		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	7 OF 9
SV1507		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - PLAN AND ELEVATION	8 OF 9
SV1508		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - DEER CREEK VIADUCT - TYPICAL SECTIONS	9 OF 9

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RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 02/04/14

PROPOSED PRELIMINARY DESIGN

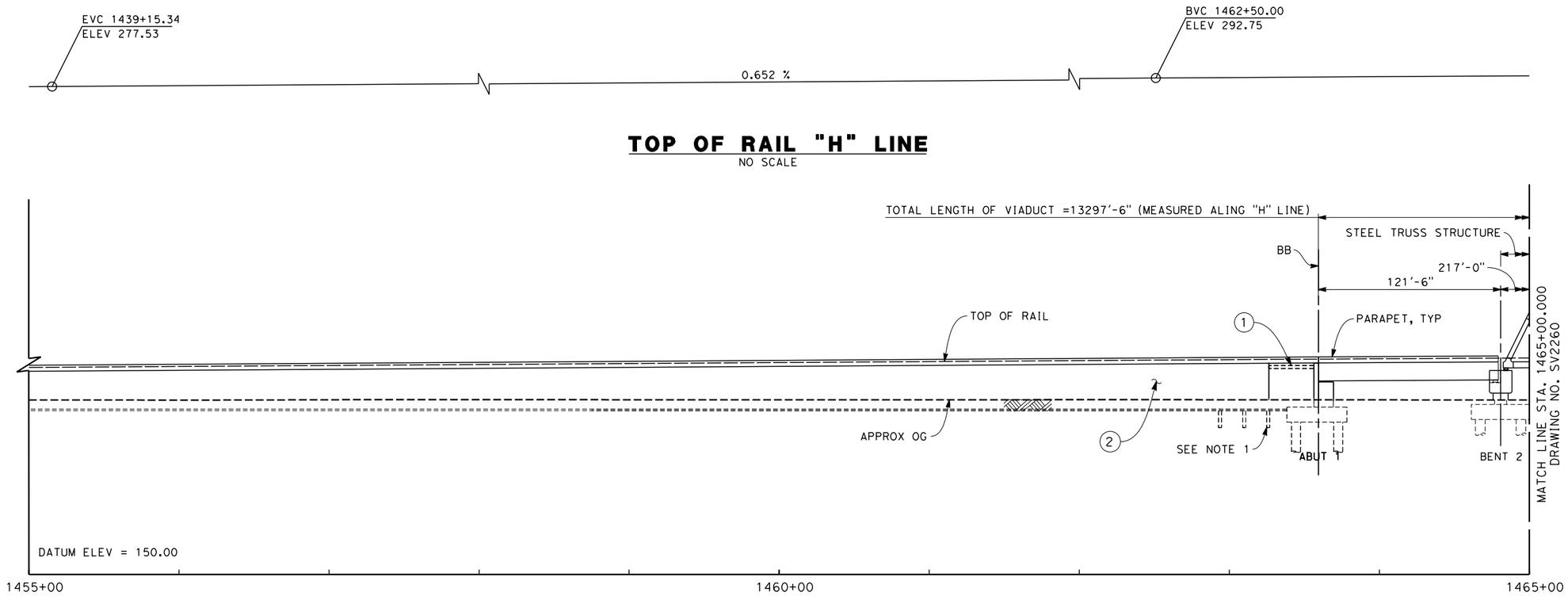
NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HST STRUCTURES
INDEX OF SHEETS
SHEET 2 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0025-A3
SCALE NO SCALE
SHEET NO. 3 OF 5

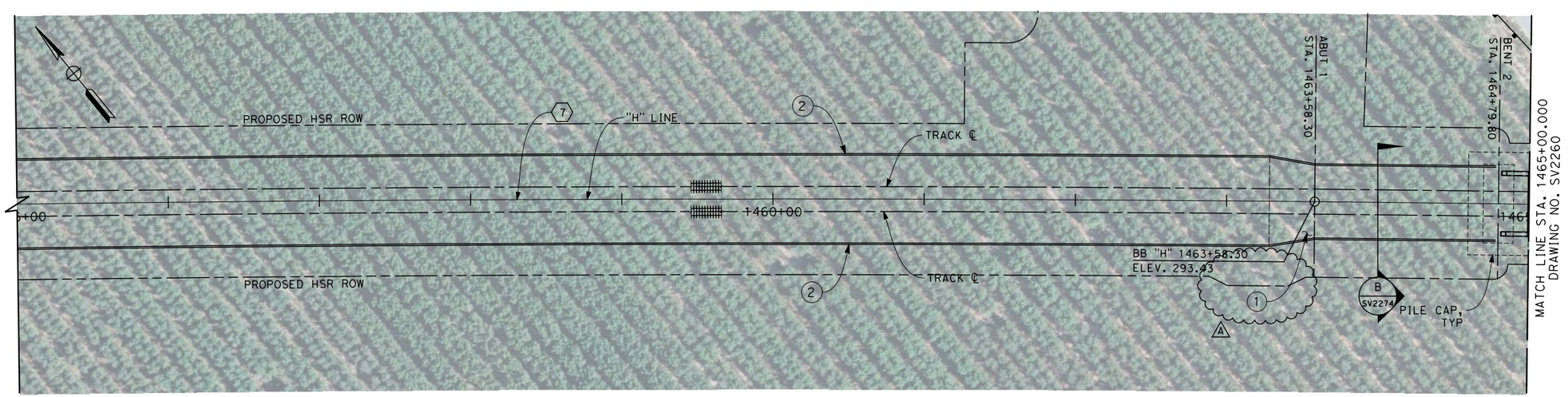


TOP OF RAIL "H" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

ADDENDUM 3 - RFP HSR 13-57

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

(1) STRUCTURE APPROACH SLAB

(2) RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

(7)

R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'

40 0 40 80
1"=40'

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
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
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2259-A3
SCALE AS SHOWN
SHEET NO. 2 OF 18

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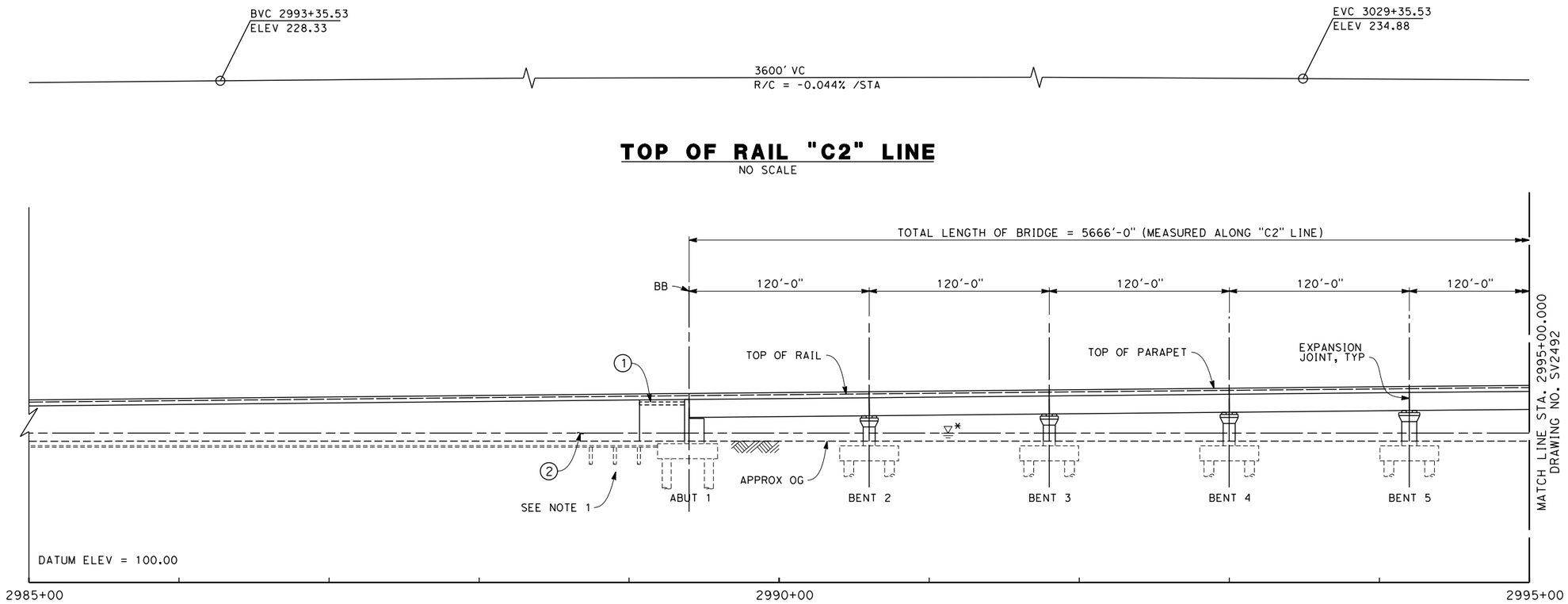
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

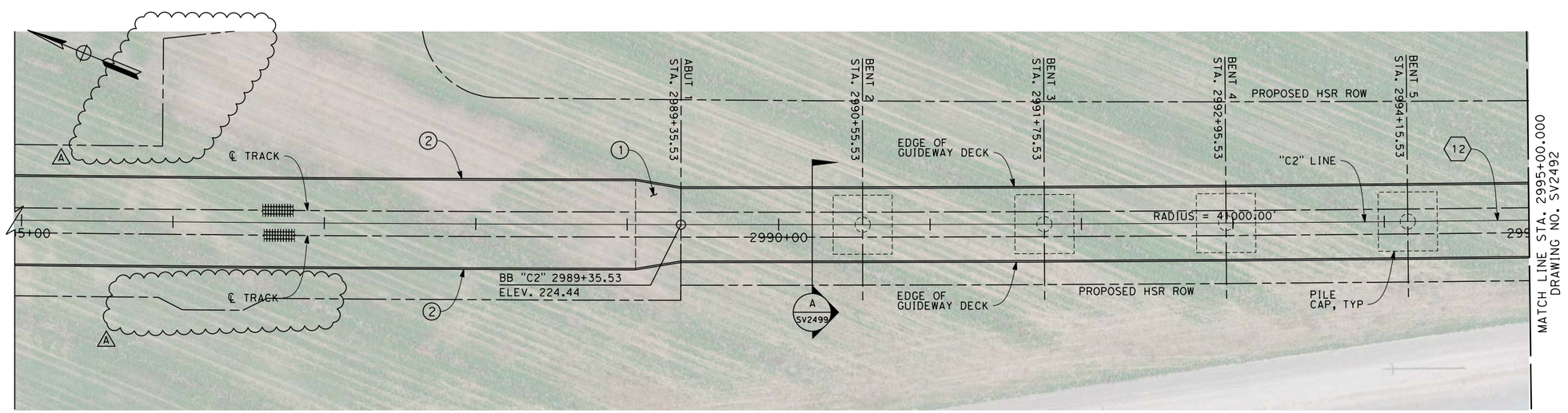


TOP OF RAIL "C2" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

ADDENDUM 3 - RFP HSR 13-57

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

1. STRUCTURE APPROACH SLAB
2. RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

(12)

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

40 0 40 80

1"=40'

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2491-A3
SCALE AS SHOWN
SHEET NO. 2 OF 11

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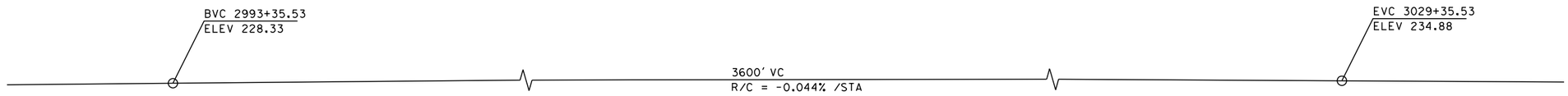
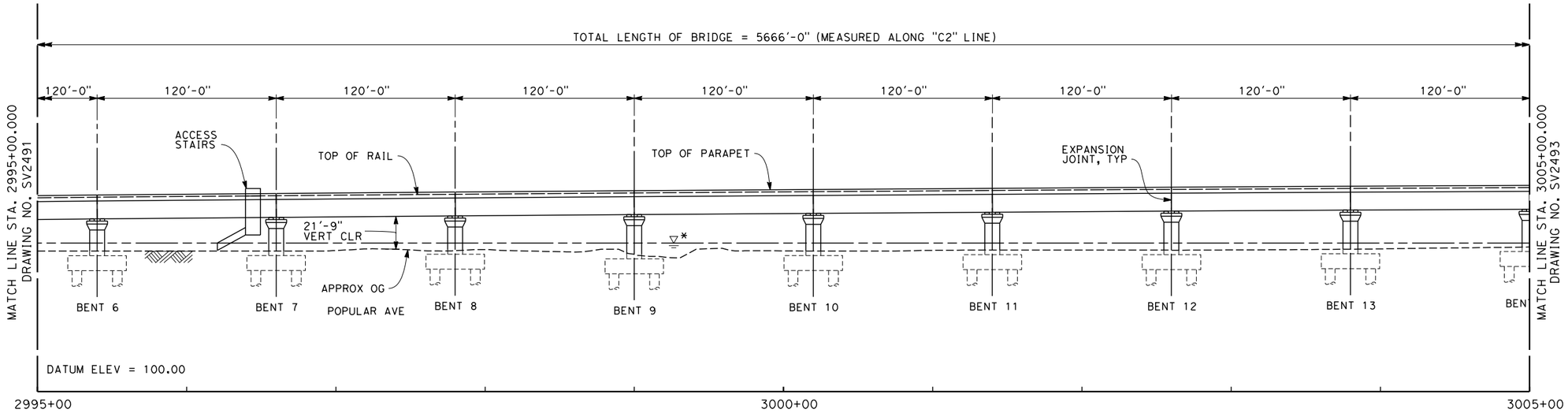
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



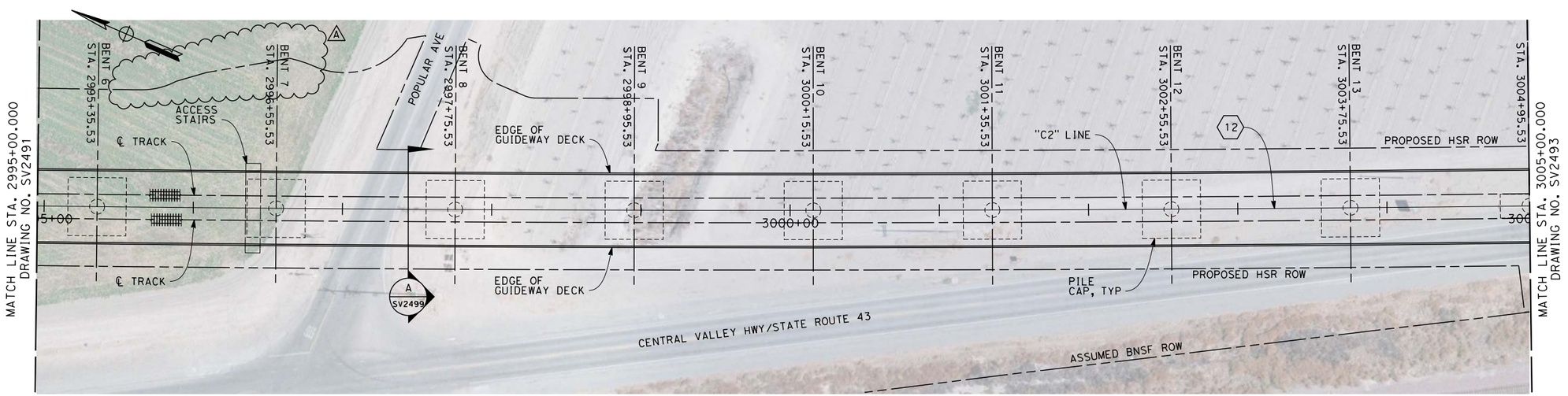
TOP OF RAIL "C2" LINE

NO SCALE



ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

ADDENDUM 3 - RFP HSR 13-57

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

1. STRUCTURE APPROACH SLAB
2. RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

12

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

A

40 0 40 80
1"=40'

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2492-A3
SCALE AS SHOWN
SHEET NO. 3 OF 11

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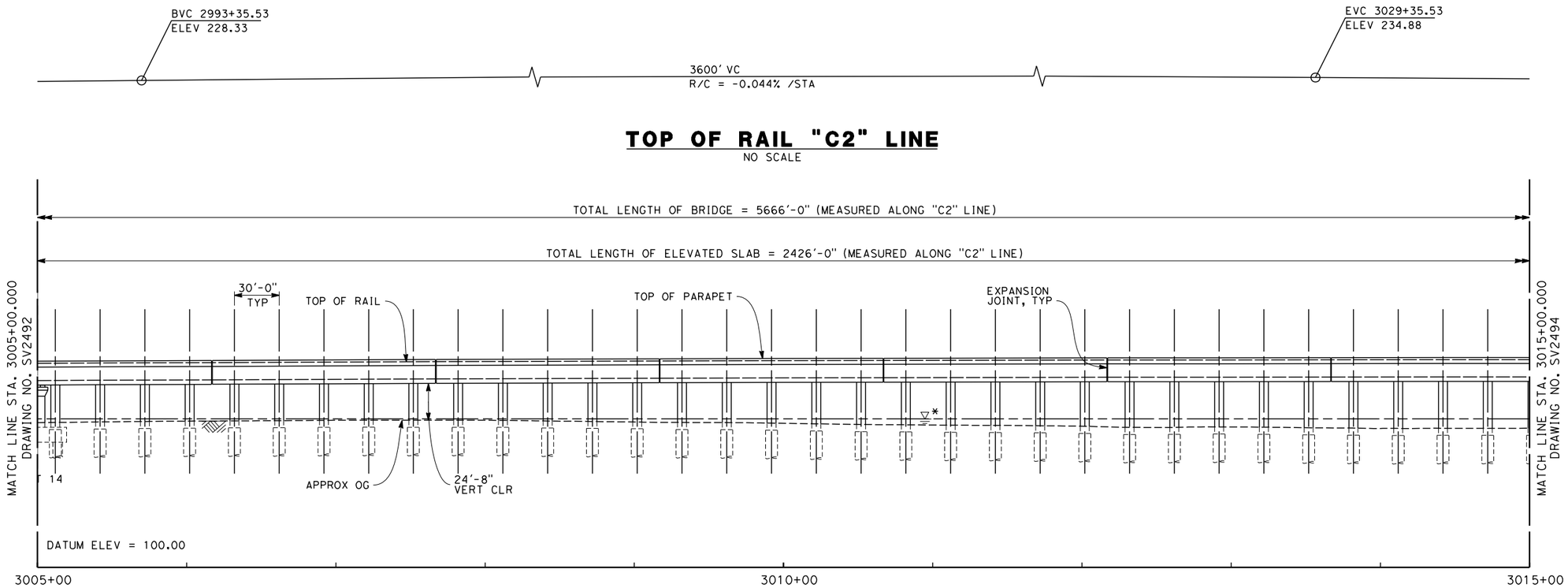
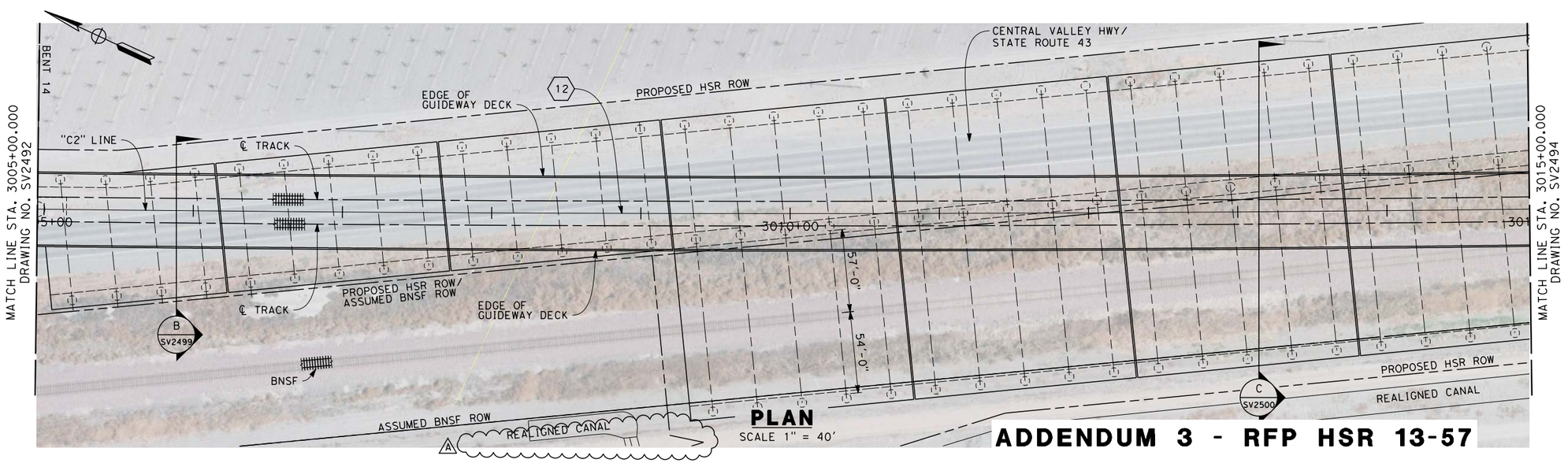


TOP OF RAIL "C2" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

ADDENDUM 3 - RFP HSR 13-57

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST
   IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

(1) STRUCTURE APPROACH SLAB

(2) RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

(12)

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

40 0 40 80
1"=40'

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2493-A3
SCALE AS SHOWN
SHEET NO. 4 OF 11

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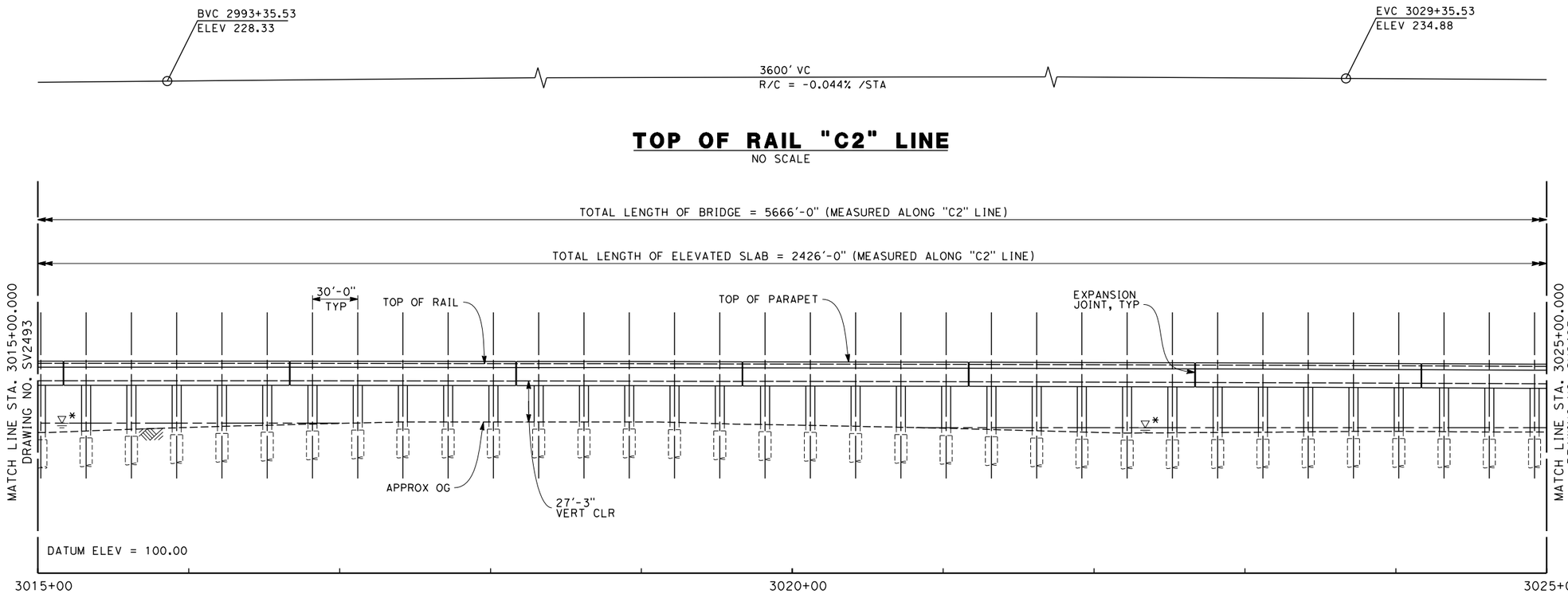
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

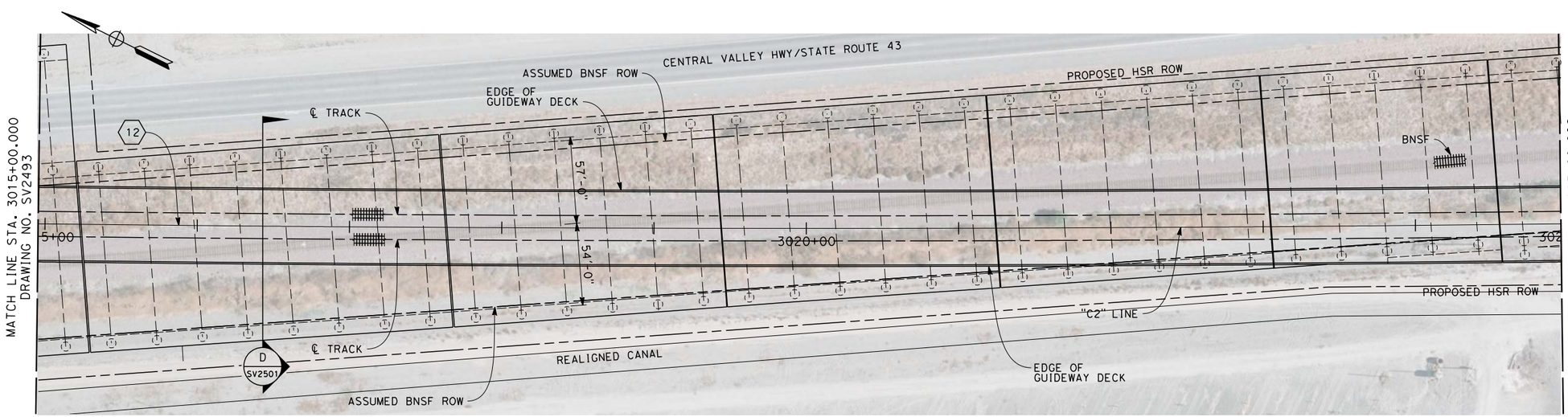


TOP OF RAIL "C2" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST
   IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

1. STRUCTURE APPROACH SLAB
2. RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

12

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

A

40 0 40 80
1"=40'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
IN CHARGE R. COFFIN
DATE 05/30/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2494-A3
SCALE AS SHOWN
SHEET NO. 5 OF 11

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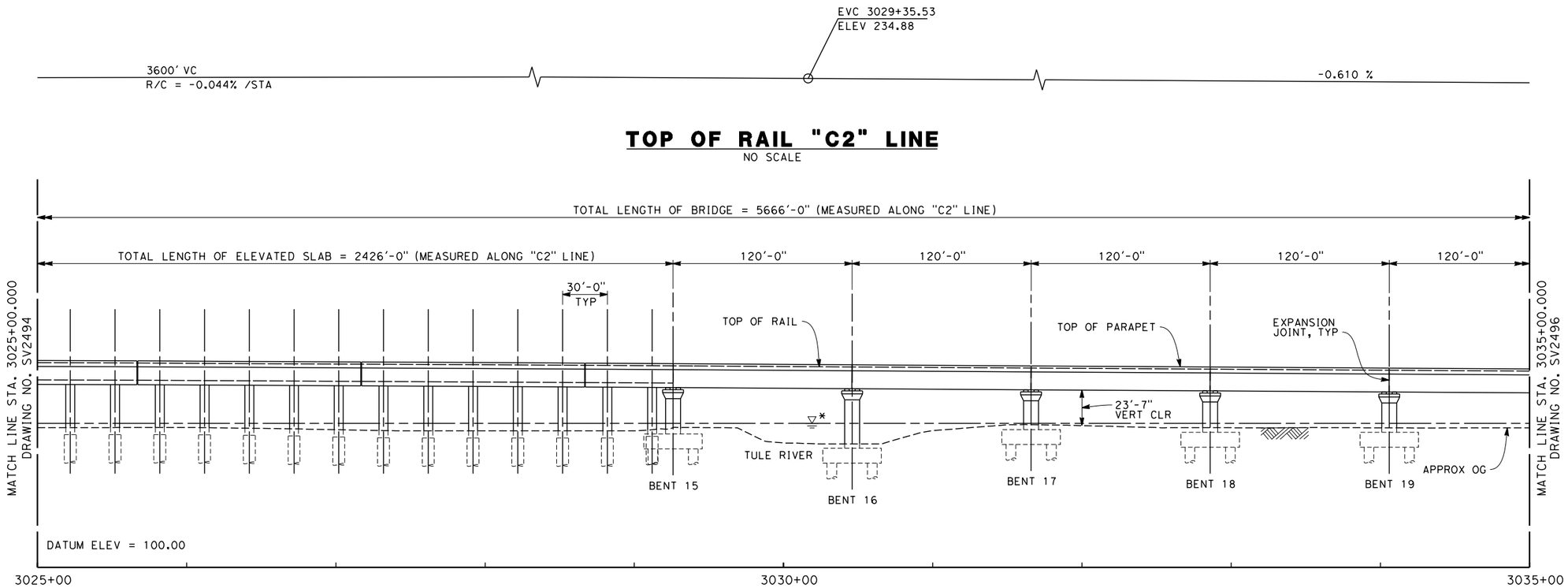
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

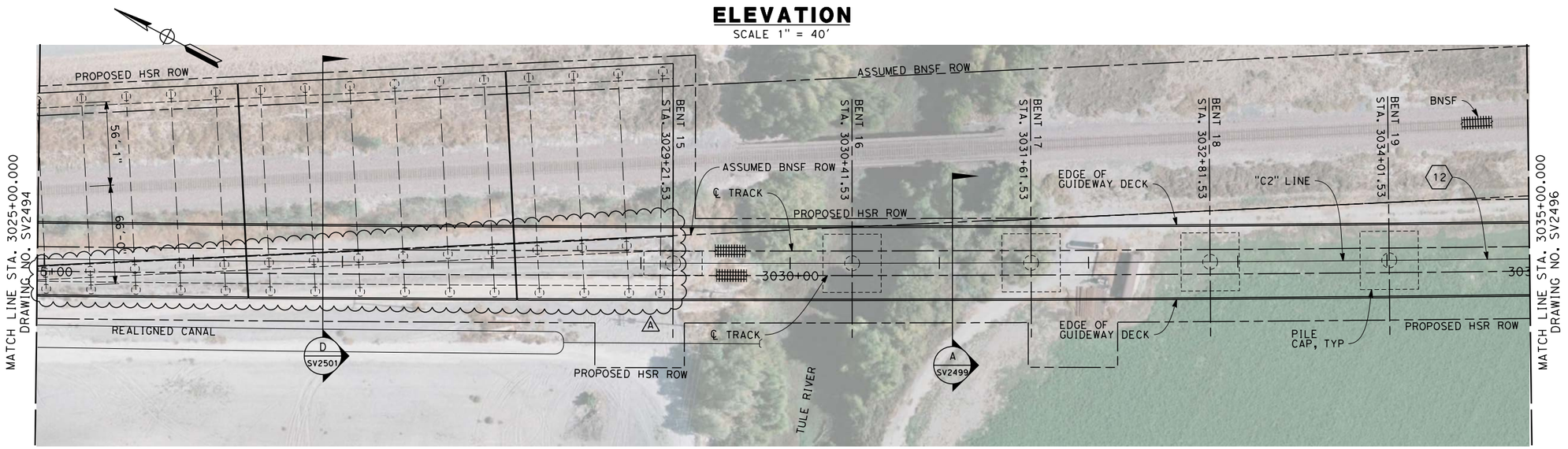


TOP OF RAIL "C2" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   SIMPLE SPANS - MSS OR FLPM
   CONTINUOUS SPANS - BCC - PRECAST
   IN-SITU
   STEEL TRUSS - INSITU, SLID OR LAUNCHED
   ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

1. STRUCTURE APPROACH SLAB
2. RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

12

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

A

40 0 40 80
1"=40'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
IN CHARGE R. COFFIN
DATE 05/30/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2495-A3
SCALE AS SHOWN
SHEET NO. 6 OF 11

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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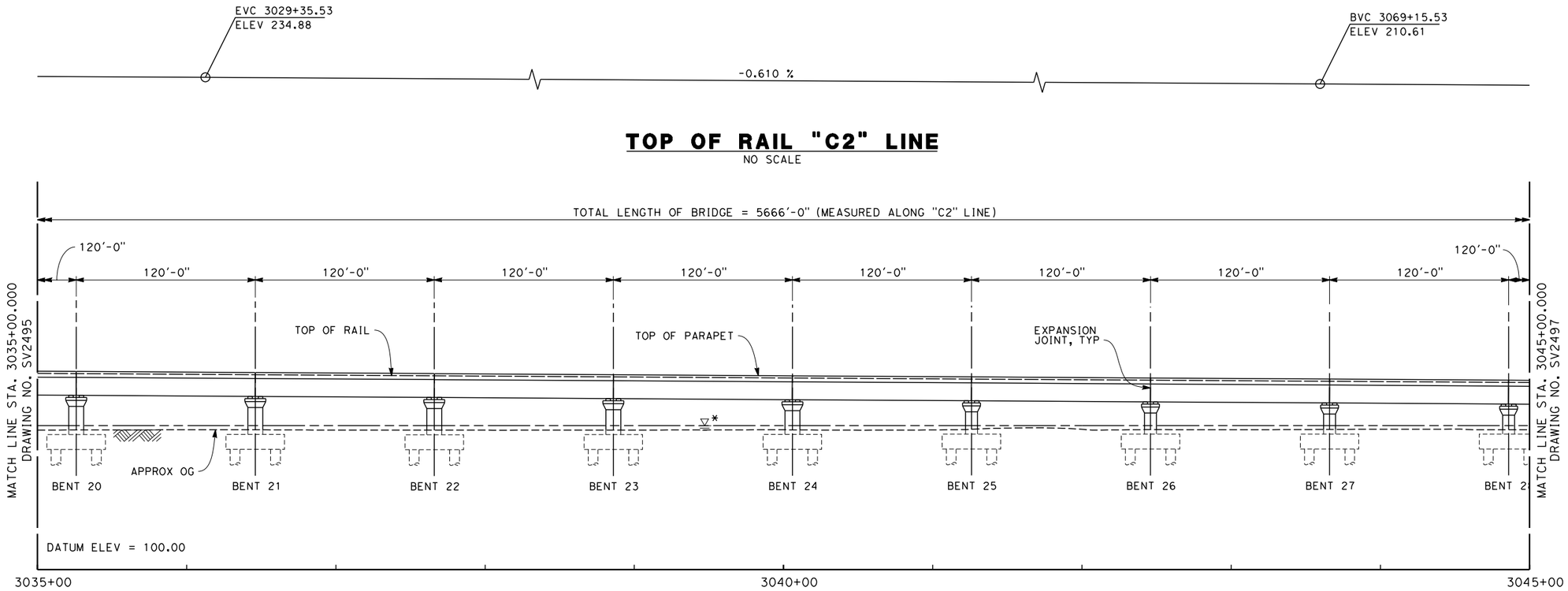
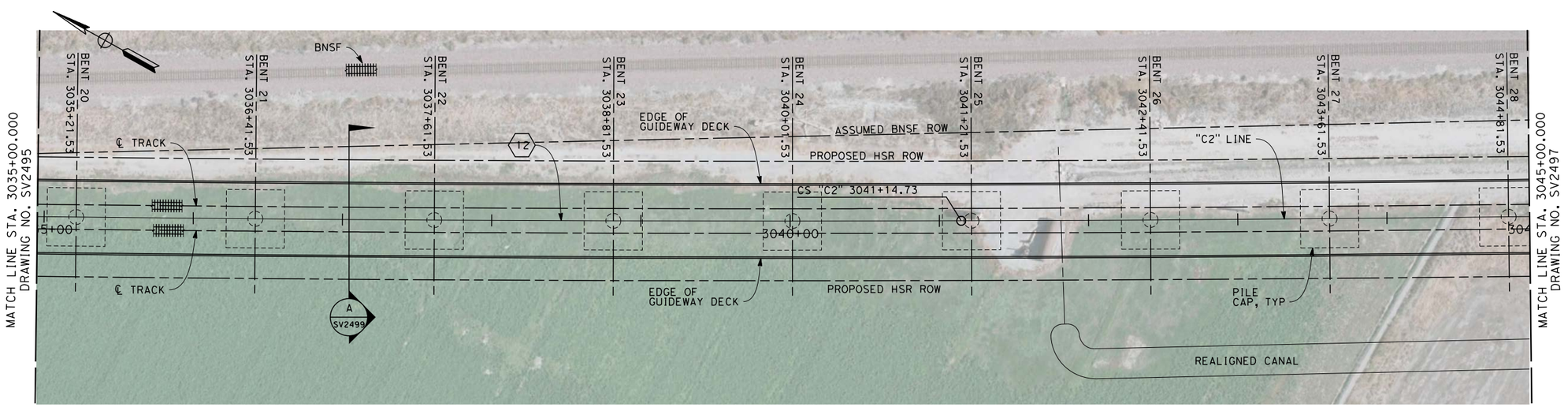


TOP OF RAIL "C2" LINE

NO SCALE

ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

ADDENDUM 3 - RFP HSR 13-57

NOTES

1. NOT ALL PILES SHOWN
2. PILE LENGTH TO BE DETERMINED
3. SUPERSTRUCTURE CONSTRUCTION, UON
   - SIMPLE SPANS - MSS OR FLPM
   - CONTINUOUS SPANS - BCC - PRECAST IN-SITU
   - STEEL TRUSS - INSITU, SLID OR LAUNCHED
   - ELEVATED SLABS - PC BEAM AND INSITU SLAB
4. UTILITY LOCATIONS TO BE DETERMINED
5. ACCESS STAIRWAYS ARE PROVIDED AT SYSTEMS SITES (APPROX. 2.5 MILE INTERVALS). LADDER ACCESS TO VIADUCTS IS PROVIDED AT 2500 FT INTERVALS WITH ACCESS ROAD AND TURNING CIRCLE WHERE NECESSARY.

LEGEND:

1. STRUCTURE APPROACH SLAB
2. RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

CURVE DATA

12

R = 41000.00'
Δ = 13° 36' 13"
T = 4890.27'
L = 9734.55'

A

40 0 40 80
1"=40'

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	FP	QL	SB	REVISED FOR ADDENDUM 3

DESIGNED BY M. FISHER
DRAWN BY F. PALERMO
CHECKED BY A. ARMSTRONG
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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2496-A3
SCALE AS SHOWN
SHEET NO. 7 OF 11

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RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

GENERAL SHEETS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
TT-B0001		ALIGNMENT - LOCATION MAP	1 OF 6
GE-A0021	A	ROADWAY & GRADE SEPARATION - INDEX OF SHEETS	2 OF 6
GE-A0022	A	ROADWAY & GRADE SEPARATION - INDEX OF SHEETS	3 OF 6
GE-A0023	A	ROADWAY & GRADE SEPARATION - INDEX OF SHEETS	4 OF 6
CB0010		GENERAL - ABBREVIATIONS & LEGENDS	5 OF 6
CB0011		GENERAL - ABBREVIATIONS & LEGENDS	6 OF 6

ALIGNMENT M - MONMOUTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0050		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 32
CT1101	A	MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E LINCOLN AVE	2 OF 32
CT1103	A	MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E ADAMS AVE	3 OF 32
CT1104		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E SOUTH AVE	4 OF 32
CT1106		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E MANNING AVE	5 OF 32
CT1107		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E MANNING AVE	6 OF 32
CT1109	A	MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E FLORAL AVE	7 OF 32
CT1110		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E FLORAL AVE	8 OF 32
CT1111		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E NEBRASKA AVE	9 OF 32
CT1112		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E NEBRASKA AVE	10 OF 32
CT1113		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E MOUNTAIN VIEW AVE	11 OF 32
CT1114		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION LAYOUT - E MOUNTAIN VIEW AVE	12 OF 32
CT1115		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY LAYOUT - S CHESTNUT AVE (NORTH)	13 OF 32
CT1116		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY LAYOUT - S CHESTNUT AVE (SOUTH)	14 OF 32
CT2101	A	MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E LINCOLN AVE AND S MAPLE AT E LINCOLN AVE	15 OF 32
CT2102		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY PROFILE - S CEDAR AND S MAPLE AT E ADAMS	16 OF 32
CT2103	A	MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E ADAMS AVE	17 OF 32
CT2104		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E SOUTH AVE AND S CEDAR AT E SOUTH AVE	18 OF 32
CT2105		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY PROFILE - S MAPLE AT E MANNING	19 OF 32
CT2106		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E MANNING AVE	20 OF 32
CT2107		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E MANNING AVE	21 OF 32
CT2108		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E FLORAL AVE	22 OF 32
CT2109		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E FLORAL AVE	23 OF 32
CT2110		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E NEBRASKA AVE	24 OF 32
CT2111		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E NEBRASKA AVE	25 OF 32
CT2112		MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY PROFILE - S CHESTNUT AT E NEBRASKA AVE	26 OF 32
CT2113		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E MOUNTAIN VIEW AVE	27 OF 32
CT2114		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - E MOUNTAIN VIEW AVE	28 OF 32
CT2115		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - S CHESTNUT AVE (NORTH)	29 OF 32
CT2116		MONMOUTH SUBSECTION - ALIGNMENT M - GRADE SEPARATION PROFILE - S CHESTNUT AVE (SOUTH)	30 OF 32
CT3010	A	MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	31 OF 32
CT3011	A	MONMOUTH SUBSECTION - ALIGNMENT M - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	32 OF 32

ALIGNMENT H - HANFORD SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0055		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 60
CT1117		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - S CLOVIS AVE	2 OF 60
CT1118		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - S CLOVIS AVE	3 OF 60
CT1119		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - E ELKHORN AVE	4 OF 60
CT1120		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - E ELKHORN AVE	5 OF 60
CT1121		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - S FOWLER AVE	6 OF 60
CT1122		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - S FOWLER AVE	7 OF 60
CT1123		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - E DAVIS AVE	8 OF 60
CT1124		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - E DAVIS AVE	9 OF 60
CT1130		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - DOVER AVE	10 OF 60
CT1131		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - DOVER AVE	11 OF 60
CT1132		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - 8TH AVE (NORTH)	12 OF 60
CT1133		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - 8TH AVE (SOUTH)	13 OF 60
CT1134	A	HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - EXCELSIOR AVE	14 OF 60
CT1135	A	HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - EXCELSIOR AVE	15 OF 60
CT1136		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - ELDER AVE	16 OF 60
CT1137		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - ELDER AVE	17 OF 60
CT1138	A	HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - FLINT AVE	18 OF 60
CT1139	A	HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - FLINT AVE	19 OF 60
CT1140		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - FARGO AVE	20 OF 60
CT1141		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - FARGO AVE	21 OF 60
CT1144		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - HANFORD ARMONA RD	22 OF 60
CT1145		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - HANFORD ARMONA RD	23 OF 60
CT1146		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - HOUSTON AVE	24 OF 60
CT1147		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - HOUSTON AVE	25 OF 60
CT1148		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - IONA AVE	26 OF 60
CT1149		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION LAYOUT - IONA AVE	27 OF 60
CT2117		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - S CLOVIS AVE	28 OF 60
CT2118		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - S CLOVIS AVE	29 OF 60
CT2119		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - E ELKHORN AVE	30 OF 60
CT2120		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - E ELKHORN AVE	31 OF 60
CT2121		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - S FOWLER AVE	32 OF 60
CT2122		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - S FOWLER AVE	33 OF 60
CT2123		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - E DAVIS AVE	34 OF 60
CT2124		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - E DAVIS AVE	35 OF 60
CT2130		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - DOVER AVE	36 OF 60
CT2131		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - DOVER AVE	37 OF 60
CT2132		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - 8TH AVE (NORTH)	38 OF 60
CT2133		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - 8TH AVE (SOUTH)	39 OF 60
CT2134		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - EXCELSIOR AVE	40 OF 60
CT2135		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - EXCELSIOR AVE	41 OF 60
CT2136		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - ELDER AVE	42 OF 60
CT2137		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - ELDER AVE	43 OF 60
CT2138		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - FLINT AVE	44 OF 60
CT2139		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - FLINT AVE	45 OF 60
CT2140		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - FARGO AVE	46 OF 60
CT2141		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - FARGO AVE	47 OF 60
CT2142		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - 7 1/2 AVE CONNECTOR	48 OF 60
CT2143		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - 7 1/2 AVE	49 OF 60
CT2144		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - HANFORD ARMONA RD	50 OF 60

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JV	PT	SB	REVISED FOR ADDENDUM 3

DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/28/14

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
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ROADWAY & GRADE SEPARATION
INDEX OF SHEETS
SHEET 1 OF 3

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0021-A3
SCALE NO SCALE
SHEET NO. 2 OF 6

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RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

ALIGNMENT H - HANFORD SUBSECTION, CONT'D

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CT2145		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - HANFORD ARMONA RD	51 OF 60
CT2146		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - HOUSTON AVE	52 OF 60
CT2147		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - HOUSTON AVE	53 OF 60
CT2148		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - IONA AVE	54 OF 60
CT2149		HANFORD SUBSECTION - ALIGNMENT H - GRADE SEPARATION PROFILE - IONA AVE	55 OF 60
CR1251		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY LAYOUT - E CLARKSON AVE & S MINNEWAWA AVE	56 OF 60
CR2251		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY PROFILE - E CLARKSON AVE & S MINNEWAWA AVE	57 OF 60
CR2252		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY PROFILE - E CLARKSON AVE & S MINNEWAWA AVE	58 OF 60
CT3030		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	59 OF 60
CT3031		HANFORD SUBSECTION - ALIGNMENT H - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	60 OF 60

ALIGNMENT K4 - KAWEAH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0065		KAWEAH SUBSECTION - ALIGNMENT K4 - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 23
CT1220		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - IDAHO AVE	2 OF 23
CT1221		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - IDAHO AVE	3 OF 23
CT1222		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - JACKSON AVE	4 OF 23
CT1223		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - JACKSON AVE	5 OF 23
CT1224		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - STATE ROUTE 43 (JERSEY AVE)	6 OF 23
CT1225		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - STATE ROUTE 43 (JERSEY AVE)	7 OF 23
CT1226	A	KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - KENT AVE	8 OF 23
CT1227		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - KENT AVE	9 OF 23
CT1228		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - KANSAS AVE	10 OF 23
CT1229		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION LAYOUT - KANSAS AVE	11 OF 23
CT2220		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - IDAHO AVE	12 OF 23
CT2221		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - IDAHO AVE	13 OF 23
CT2222		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - JACKSON AVE	14 OF 23
CT2223		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - JACKSON AVE	15 OF 23
CT2224		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEP PROFILE & SUPERELEVATION DIAGRAM - STATE ROUTE 43 (JERSEY AVE)	16 OF 23
CT2225		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEP PROFILE & SUPERELEVATION DIAGRAM - STATE ROUTE 43 (JERSEY AVE)	17 OF 23
CT2226		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - KENT AVE	18 OF 23
CT2227		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - KENT AVE	19 OF 23
CT2228		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - KANSAS AVE	20 OF 23
CT2229		KAWEAH SUBSECTION - ALIGNMENT K4 - GRADE SEPARATION PROFILE - KANSAS AVE	21 OF 23
CT3230		KAWEAH SUBSECTION - ALIGNMENT K4 - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	22 OF 23
CT3231		KAWEAH SUBSECTION - ALIGNMENT K4 - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	23 OF 23

ALIGNMENT C2 - CORCORAN SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0075		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 18
CT1239	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION LAYOUT - NEVADA AVE	2 OF 18
CT1240		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION LAYOUT - NEVADA AVE CONNECTOR	3 OF 18
CT1244	A	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION LAYOUT - CORCORAN HWY	4 OF 18
CT1248		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION LAYOUT - WHITLEY AVE/ STATE ROUTE 137	5 OF 18
CT2239		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE - NEVADA AVE	6 OF 18
CT2240		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE - NEVADA AVE	7 OF 18
CT2244		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE - CORCORAN HWY	8 OF 18
CT2245		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE - CORCORAN HWY	9 OF 18
CT2246		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE - 5TH AVE	10 OF 18
CT2247		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE	11 OF 18
CT2248		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - GRADE SEPARATION PROFILE	12 OF 18
CR1230		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - ROADWAY LAYOUT	13 OF 18
CR1231		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - ROADWAY LAYOUT	14 OF 18
CT3042		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - ROADWAY/GRADE SEPARATION	17 OF 18
CT3043		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - ROADWAY/GRADE SEPARATION	18 OF 18

ALIGNMENT P - PIXLEY SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0100		PIXLEY SUBSECTION - ALIGNMENT P - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 16
CT1401	A	PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION LAYOUT - AVE 128	2 OF 16
CT1411	A	PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION LAYOUT - HESSE AVE	3 OF 16
CT1421	A	PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION LAYOUT - AVE 112	4 OF 16
CT1431	A	PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION LAYOUT - AVE 88	5 OF 16
CT2401		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 128	6 OF 16
CT2402		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 128	7 OF 16
CT2411		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - HESSE AVE	8 OF 16
CT2412		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - HESSE AVE	9 OF 16
CT2421		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 112	10 OF 16
CT2422		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 112	11 OF 16
CT2423		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 112 CONNECTOR	12 OF 16
CT2431		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 88	13 OF 16
CT2432		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 88	14 OF 16
CT2433		PIXLEY SUBSECTION - ALIGNMENT P - GRADE SEPARATION PROFILE - AVE 88 CONNECTOR	15 OF 16
CT3060		PIXLEY SUBSECTION - ALIGNMENT P - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	16 OF 16

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ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
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DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 05/28/14

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SHEET 2 OF 3

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0022-A3
SCALE NO SCALE
SHEET NO. 3 OF 6

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ALIGNMENT A1 - ALLENSWORTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
CB0110		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - ROADWAY/GRADE SEPARATION - KEY MAP	1 OF 24
CT1501		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - COUNTY RD J22	2 OF 24
~~CT1511~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - GARCES HWY~~	~~3 OF 24~~
~~CT1512~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - SCOFIELD AVE~~	~~4 OF 24~~
~~CT1513~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - SCOFIELD AVE~~	~~5 OF 24~~
~~CT1514~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - SCOFIELD AVE~~	~~6 OF 24~~
~~CT1521~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - POND RD~~	~~7 OF 24~~
~~CT1522~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - POND RD~~	~~8 OF 24~~
~~CT1523~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - MAGNOLIA AVE~~	~~9 OF 24~~
~~CT1531~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - PETERSON RD~~	~~10 OF 24~~
~~CT1532~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION LAYOUT - PETERSON RD~~	~~11 OF 24~~
CT2501		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - COUNTY RD J22	12 OF 24
~~CT2510~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - GARCES HWY~~	~~13 OF 24~~
~~CT2511~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - GARCES HWY~~	~~14 OF 24~~
~~CT2512~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - SCOFIELD AVE~~	~~15 OF 24~~
~~CT2513~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - SCOFIELD AVE~~	~~16 OF 24~~
~~CT2514~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - SCOFIELD AVE~~	~~17 OF 24~~
~~CT2521~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - POND RD~~	~~18 OF 24~~
~~CT2522~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - POND RD~~	~~19 OF 24~~
~~CT2523~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - MAGNOLIA AVE~~	~~20 OF 24~~
~~CT2524~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - MAGNOLIA AVE~~	~~21 OF 24~~
~~CT2531~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - PETERSON RD~~	~~22 OF 24~~
~~CT2532~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - GRADE SEPARATION PROFILE - PETERSON RD~~	~~23 OF 24~~
CT3070		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - ROADWAY/GRADE SEPARATION - TYPICAL CROSS SECTIONS	24 OF 24

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DRAWN BY J. VALENZUELA
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SHEET 3 OF 3

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0023-A3
SCALE NO SCALE
SHEET NO. 4 OF 6

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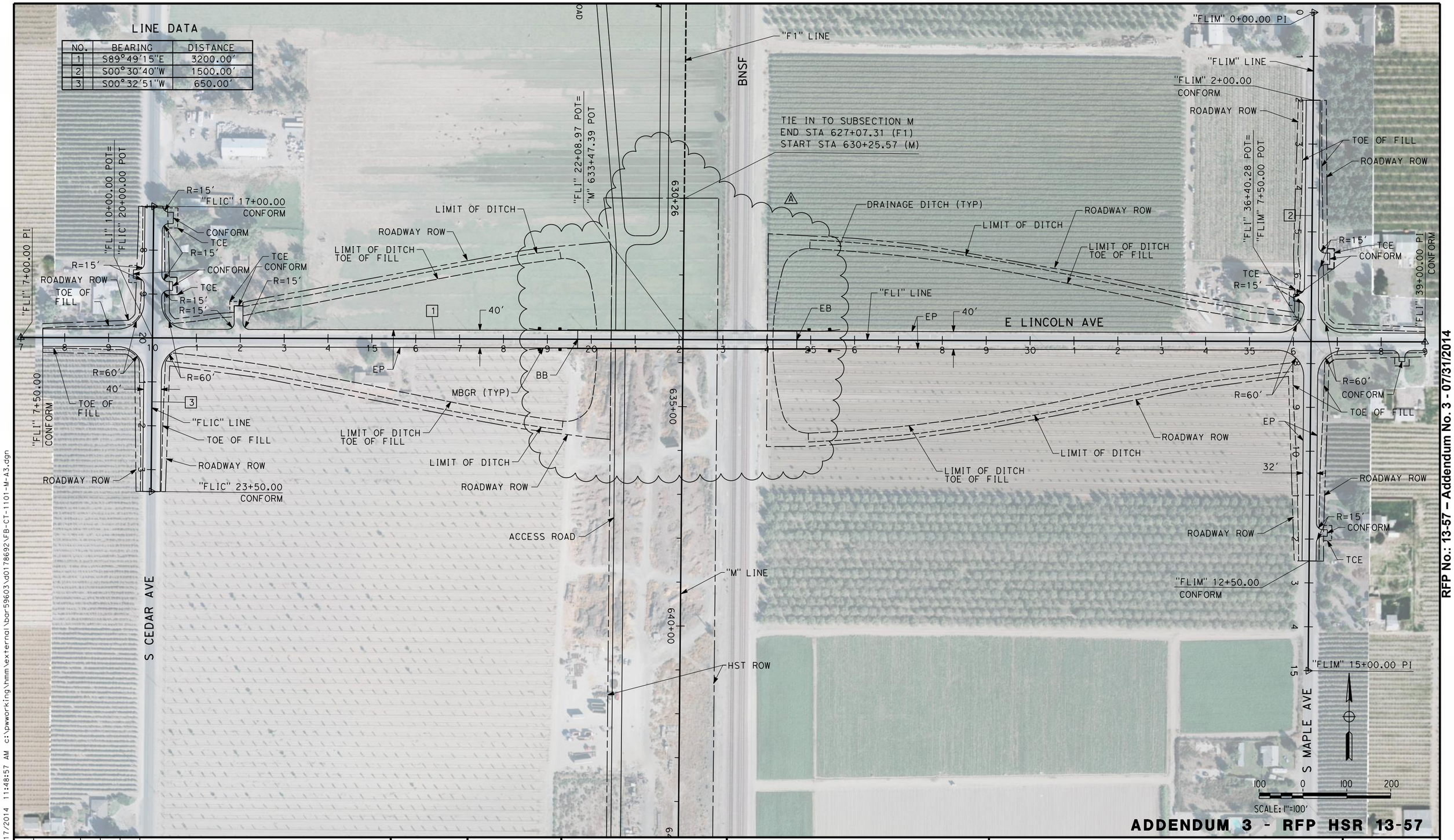

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E LINCOLN AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1101-A3
SCALE AS SHOWN
SHEET NO. 2 OF 32

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

BAR59603 6/17/2014 11:48:57 AM c:\pwworking\hmm\external\bar59603\d0178692\FB-CT-1101-M-A3.dgn

LINE DATA

NO.	BEARING	DISTANCE
1	S89°49′13"E	3200.00′
2	S00°34′00"W	1050.00′
3	S00°26′02"W	1300.00′

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E ADAMS AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1103-A3
SCALE AS SHOWN
SHEET NO. 3 OF 32

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E FLORAL AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1109-A3
SCALE AS SHOWN
SHEET NO. 7 OF 32

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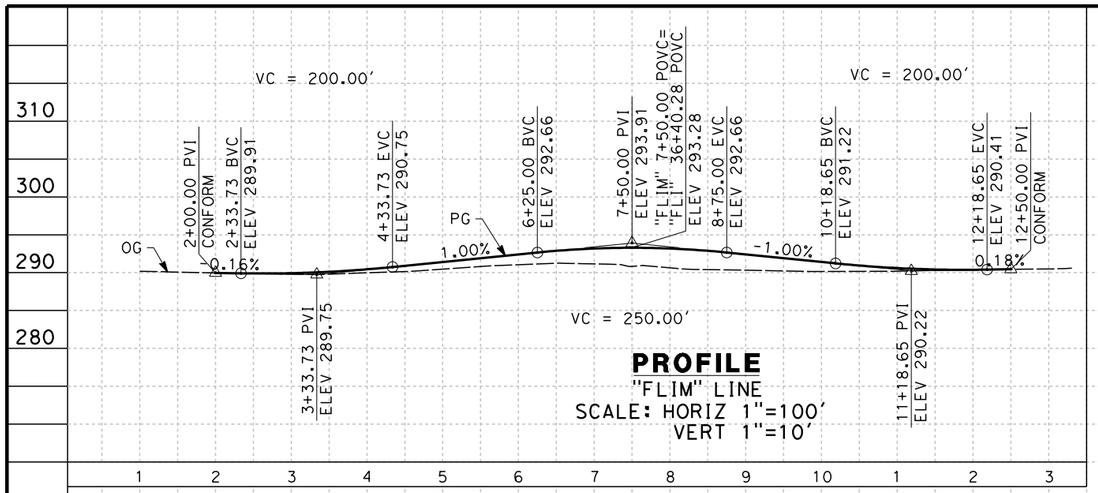
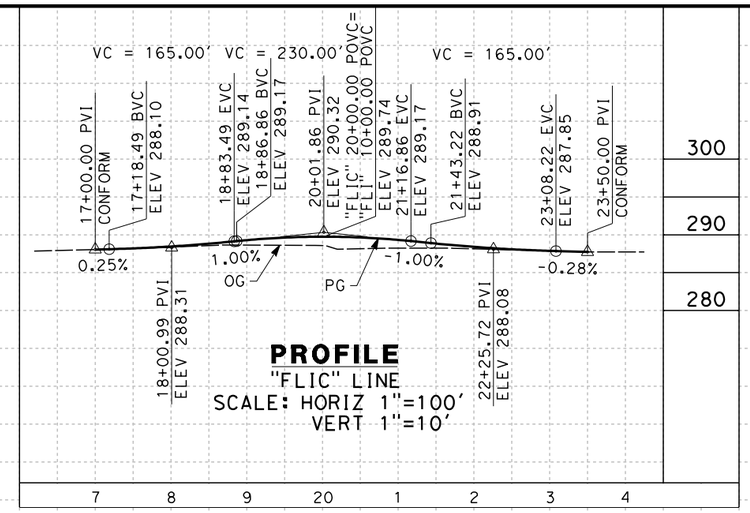
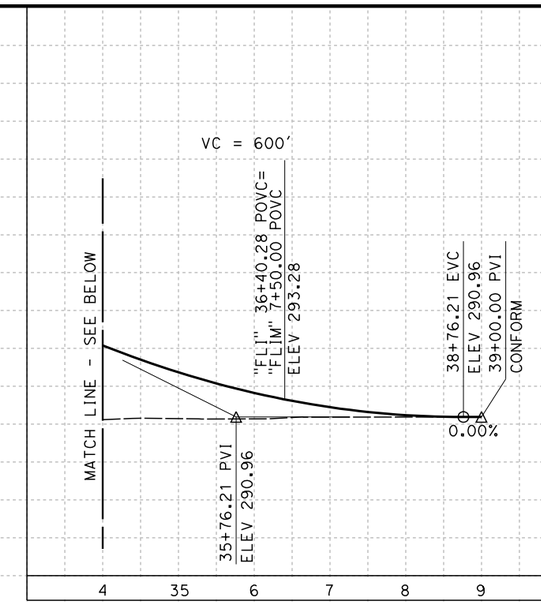


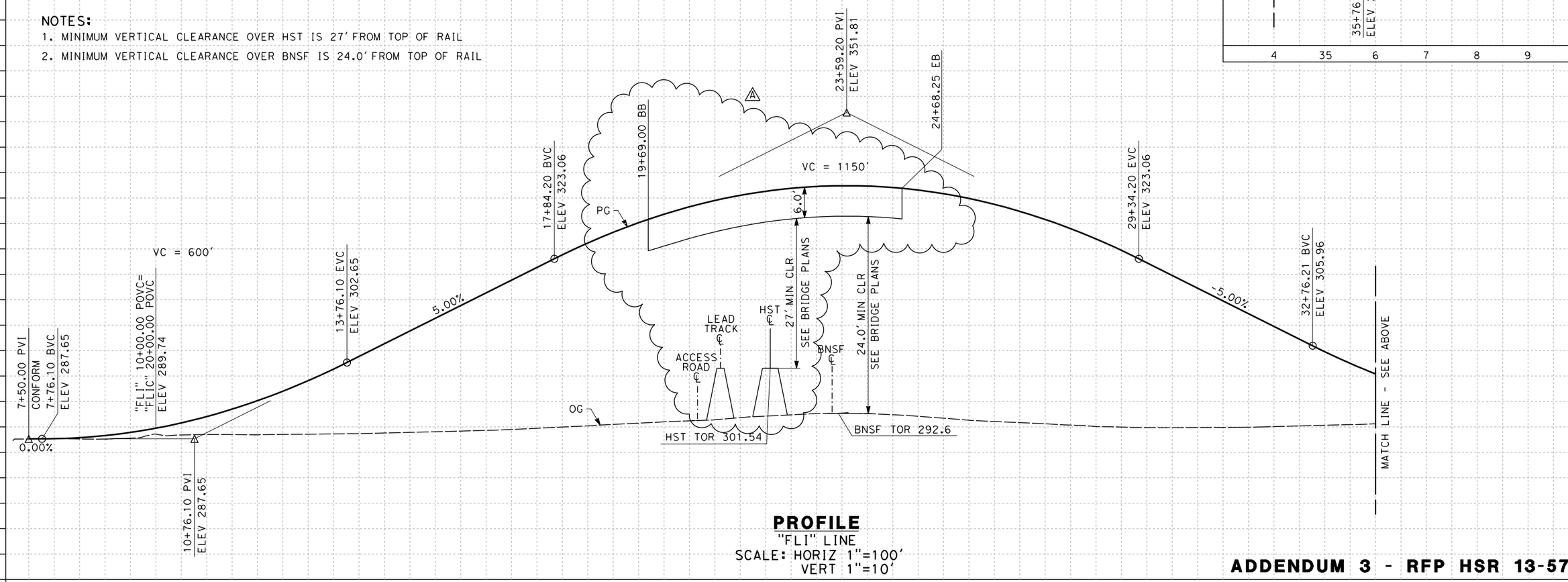
PROFILE
"FLIM" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'



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



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



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

ADDENDUM 3 - RFP HSR 13-57

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

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E LINCOLN AVE AND S MAPLE AT E LINCOLN AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2101-A3
SCALE AS SHOWN
SHEET NO. 15 OF 32

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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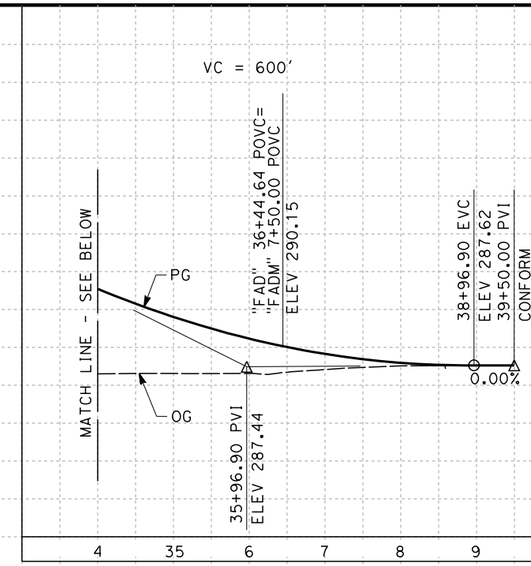
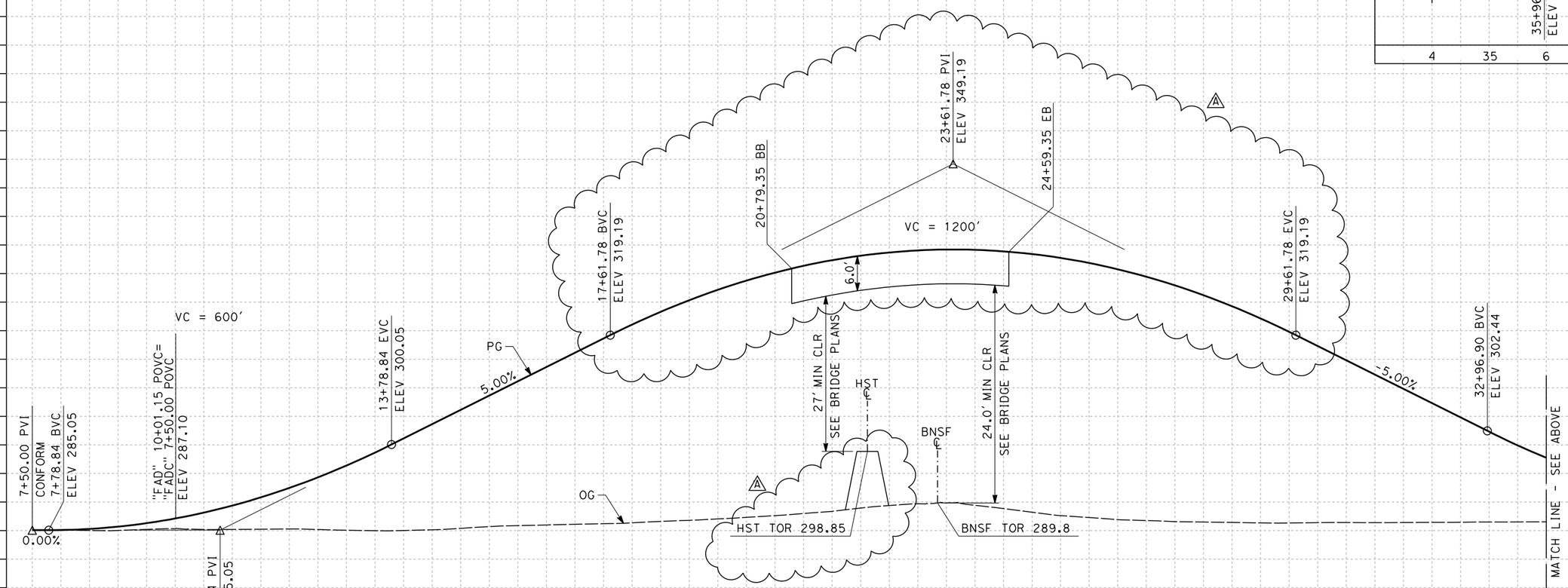
NOTES:

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





PROFILE

"FAD" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

ADDENDUM 3 - RFP HSR 13-57

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

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E ADAMS AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2103-A3
SCALE AS SHOWN
SHEET NO. 17 OF 32

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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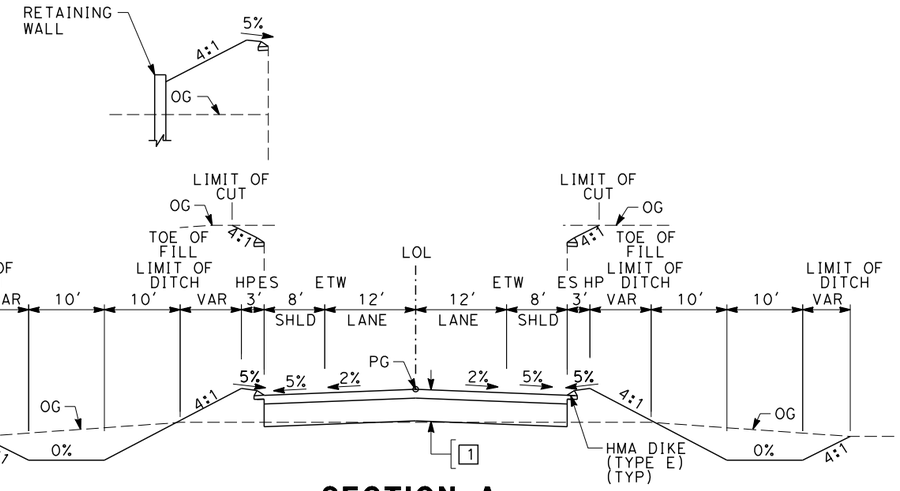
BAR59603

NOTES:

1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXACT DIMENSION AND MATERIAL OF THE PAVEMENT SECTION TO BE CONFIRMED.

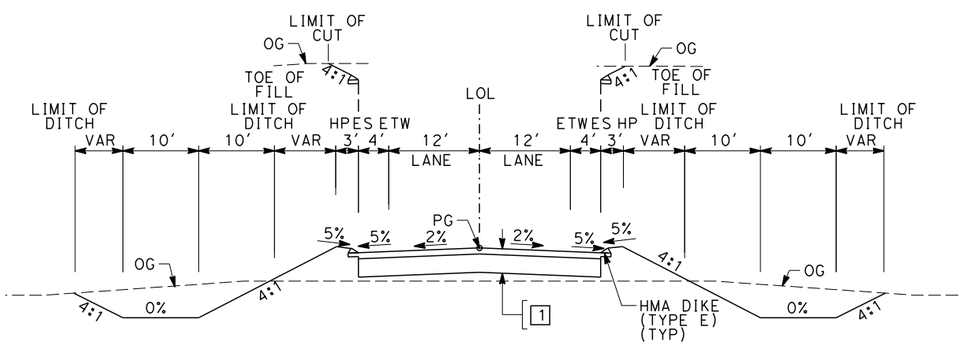
STRUCTURAL SECTIONS
TYPICAL ROADWAY

[1] 0.60' HMA (TYPE A)
1.50' CL2 AB



SECTION A

"FLI" 10+00.00 TO 19+69.00 [A]
"FLI" ~~24+68.25 TO 36+00.00~~
[A] "FAD" 10+50.00 TO 20+79.35
"FAD" ~~24+59.35~~ TO 36+00.00
"FNE" 10+00.00 TO 30+55.00
"FNE" 34+60.00 TO 43+50.00
"FMV" 102+00.00 TO 116+80.00
"FMV" 120+95.00 TO 133+30.00
"FCN" 28+50.00 TO 33+26.39
"FCS" 0+00.00 TO 13+00.00
"FMN" 104+00.00 TO 109+00.00
"FMN" 123+41.50 TO 130+00.00
"FFL" 7+00.00 TO 21+45.00
"FFL" 25+75.00 TO 37+00.00



SECTION B

"FSO" 14+00.00 TO 22+67.50
"FSO" 26+42.50 TO 38+00.00

TABLE OF DESIGN SPEEDS

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED	CRITERIA/JURISDICTION
E LINCOLN AVE	FLI	55	AASHTO/FRESNO COUNTY
S MAPLE AVE AT E LINCOLN AVE	FLIM	55	AASHTO/FRESNO COUNTY
S CEDAR AVE AT E LINCOLN AVE	FLIC	55	AASHTO/FRESNO COUNTY
E ADAMS AVE	FAD	55	AASHTO/FRESNO COUNTY
S MAPLE AVE AT E ADAMS AVE	FADM	55	AASHTO/FRESNO COUNTY
S CEDAR AVE AT E ADAMS AVE	FADC	55	AASHTO/FRESNO COUNTY
E SOUTH AVE	FSO	55	AASHTO/FRESNO COUNTY
S MAPLE AVE AT E SOUTH AVE	FSOM	55	AASHTO/FRESNO COUNTY
S CEDAR AVE AT E SOUTH AVE	FSOC	55	AASHTO/FRESNO COUNTY
E MANNING AVE	FMN	55	AASHTO/FRESNO COUNTY
S MAPLE AVE AT E MANNING AVE	FMM	55	AASHTO/FRESNO COUNTY
E FLORAL AVE	FFL	65	AASHTO/FRESNO COUNTY
E NEBRASKA AVE	FNE	65	AASHTO/FRESNO COUNTY
S CHESTNUT AVE AT E NEBRASKA AVE	NCN	65	AASHTO/FRESNO COUNTY
E MOUNTAIN VIEW AVE	FMV	65	AASHTO/FRESNO COUNTY
S CHESTNUT AVE	FCN/FCS	65/55	AASHTO/FRESNO COUNTY

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CT3010-A3
SCALE NO SCALE
SHEET NO. 31 OF 32

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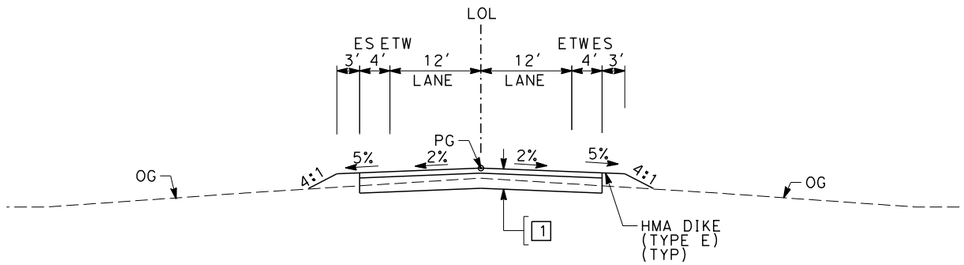
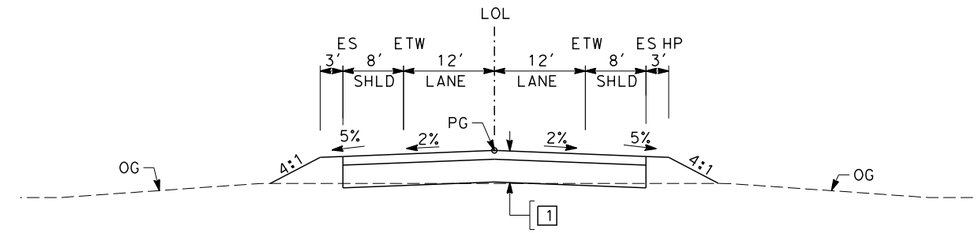
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



SECTION C

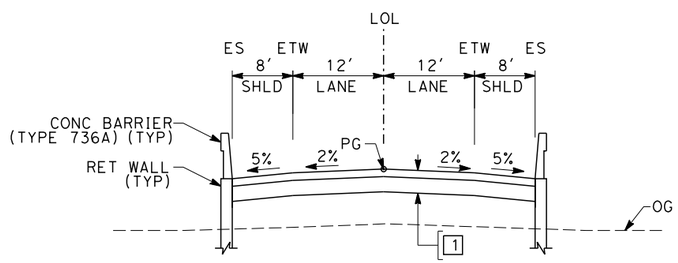
"NCN"	12+00.00	TO	30+00.00	"FSO"	8+50.00	TO	14+00.00
"FLIM"	2+00.00	TO	12+50.00	"FSO"	38+00.00	TO	41+00.00
"FADM"	2+00.00	TO	13+00.00	"FFL"	3+00.00	TO	7+00.00
"FMM"	3+00.00	TO	13+00.00	"FFL"	37+00.00	TO	42+00.00
"FSOM"	6+00.00	TO	16+50.00				



SECTION E

"FADC"	4+00.00	TO	13+00.00	"FMN"	130+00.00	TO	135+00.00
"FSOC"	7+00.00	TO	14+00.00	"FNE"	7+00.00	TO	10+00.00
"FLIC"	17+00.00	TO	23+50.00	"FNE"	43+50.00	TO	51+60.00
"FLI"	7+50.00	TO	10+00.00	"FMV"	98+00.00	TO	102+00.00
"FLI"	36+00.00	TO	39+00.00	"FMV"	133+30.00	TO	138+00.00
"FAD"	7+50.00	TO	10+50.00	"FCS"	13+00.00	TO	16+00.00
"FAD"	36+00.00	TO	39+00.00	"FCN"	00+00.00	TO	28+50.00

A



SECTION D

"FMN" 109+00.00 TO 113+96.50

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 03/28/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CT3011-A3
SCALE NO SCALE
SHEET NO. 32 OF 32

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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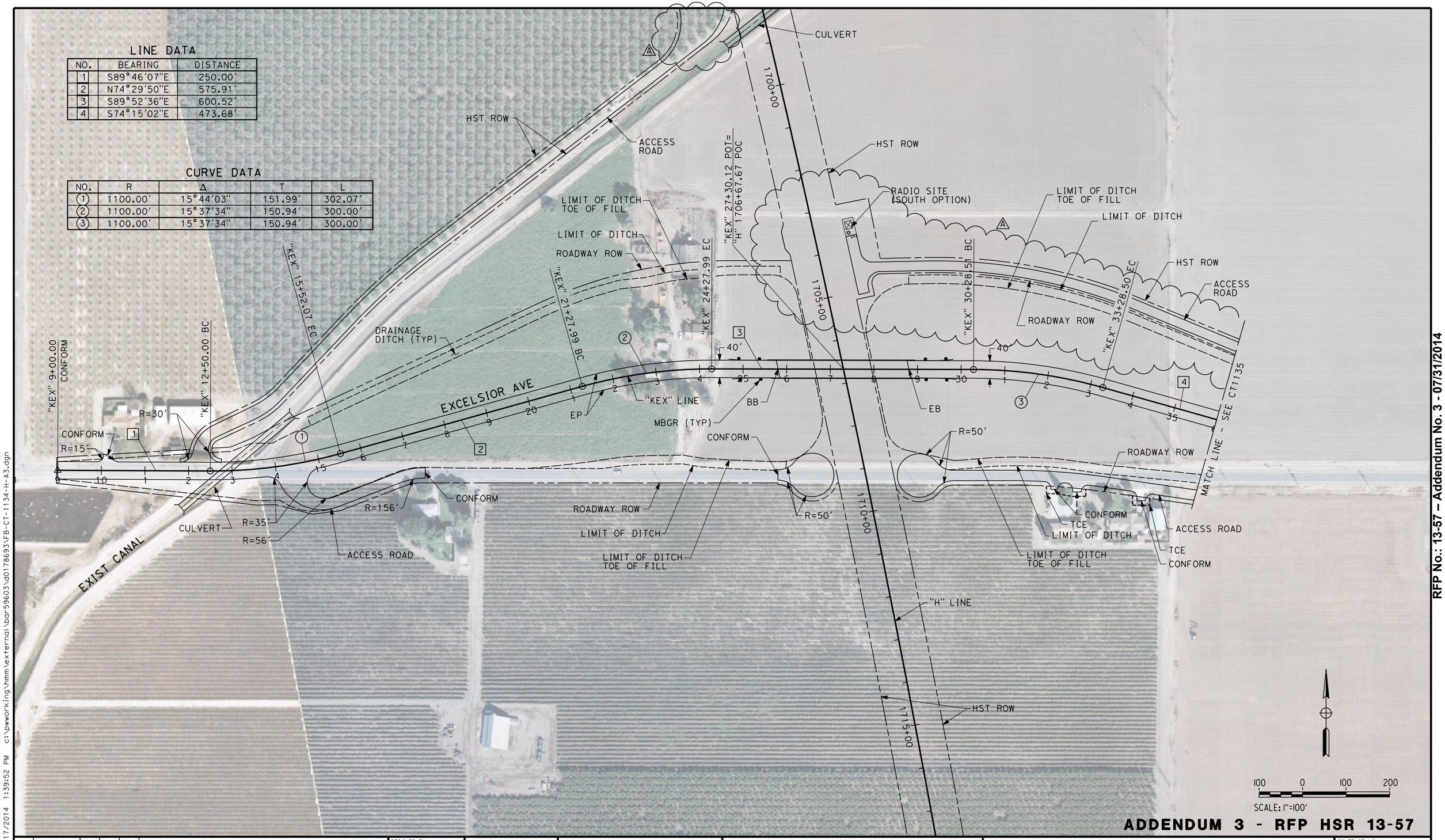
BAR59603

LINE DATA

NO.	BEARING	DISTANCE
1	S89°46'07"E	250.00'
2	N74°29'50"E	575.91'
3	S89°52'36"E	600.52'
4	S74°15'02"E	473.68'

CURVE DATA

NO.	R	Δ	T	L
1	1100.00'	15°44'03"	151.99'	302.07'
2	1100.00'	15°37'34"	150.94'	300.00'
3	1100.00'	15°37'34"	150.94'	300.00'



ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
EXCELSIOR AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1134-A3
SCALE AS SHOWN
SHEET NO. 14 OF 60

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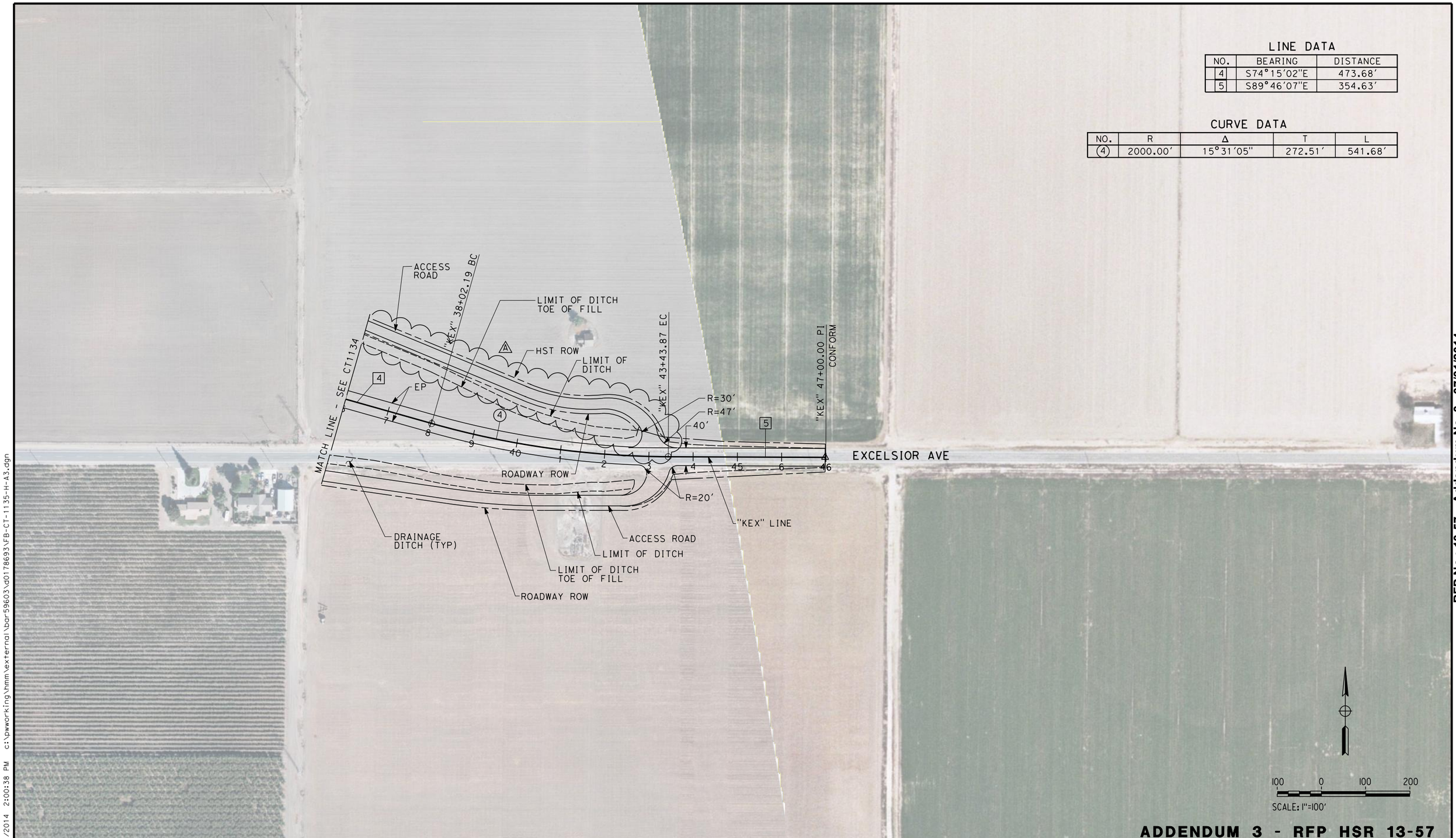


LINE DATA

NO.	BEARING	DISTANCE
4	S74°15'02"E	473.68'
5	S89°46'07"E	354.63'

CURVE DATA

NO.	R	Δ	T	L
4	2000.00'	15°31'05"	272.51'	541.68'

ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
EXCELSIOR AVE

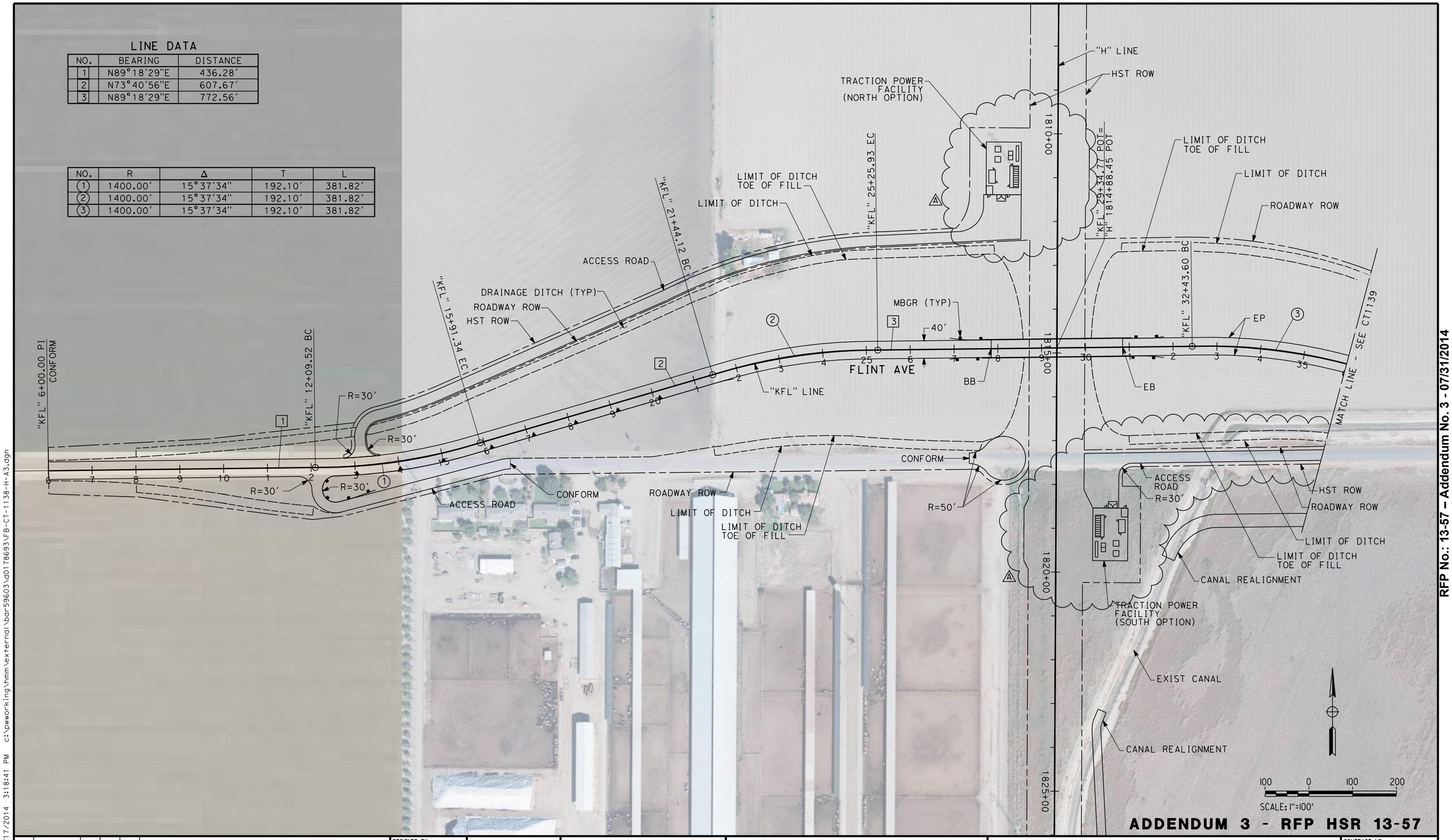
CONTRACT NO. HSR 06-0003
DRAWING NO. CT1135-A3
SCALE AS SHOWN
SHEET NO. 15 OF 60

BAR59603 6/17/2014 2:00:38 PM c:\pwworking\hmm\external\bar59603\d0178693\FB-CT-1135-H-A3.dgn

LINE DATA

NO.	BEARING	DISTANCE
1	N89°18′29"E	436.28′
2	N73°40′56"E	607.67′
3	N89°18′29"E	772.56′

NO.	R	Δ	T	L
1	1400.00′	15°37′34"	192.10′	381.82′
2	1400.00′	15°37′34"	192.10′	381.82′
3	1400.00′	15°37′34"	192.10′	381.82′



ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
FLINT AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1138-A3
SCALE AS SHOWN
SHEET NO. 18 OF 60

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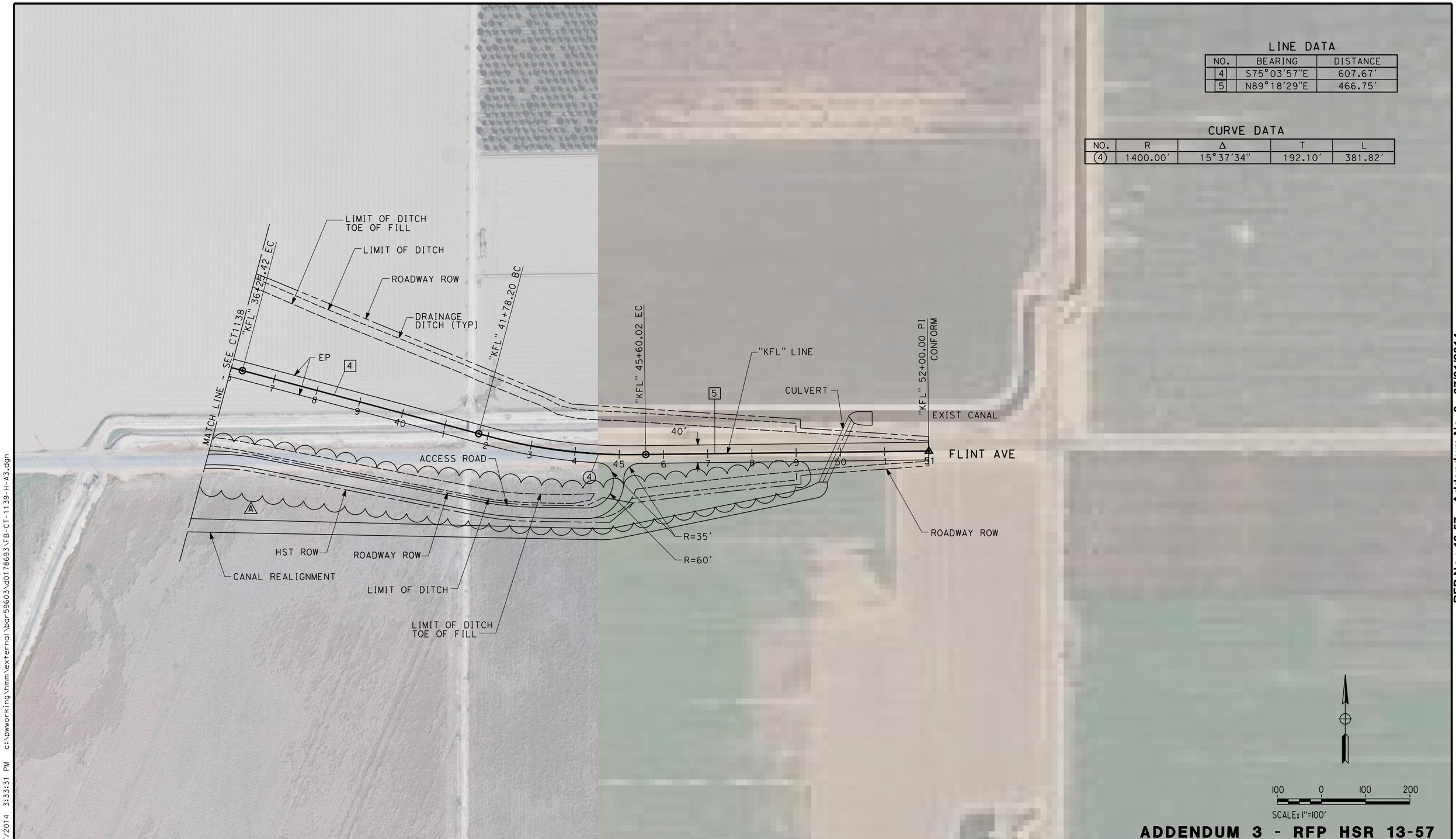


LINE DATA

NO.	BEARING	DISTANCE
4	S75°03'57"E	607.67'
5	N89°18'29"E	466.75'

CURVE DATA

NO.	R	Δ	T	L
4	1400.00'	15°37'34"	192.10'	381.82'

ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
FLINT AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1139-A3
SCALE AS SHOWN
SHEET NO. 19 OF 60

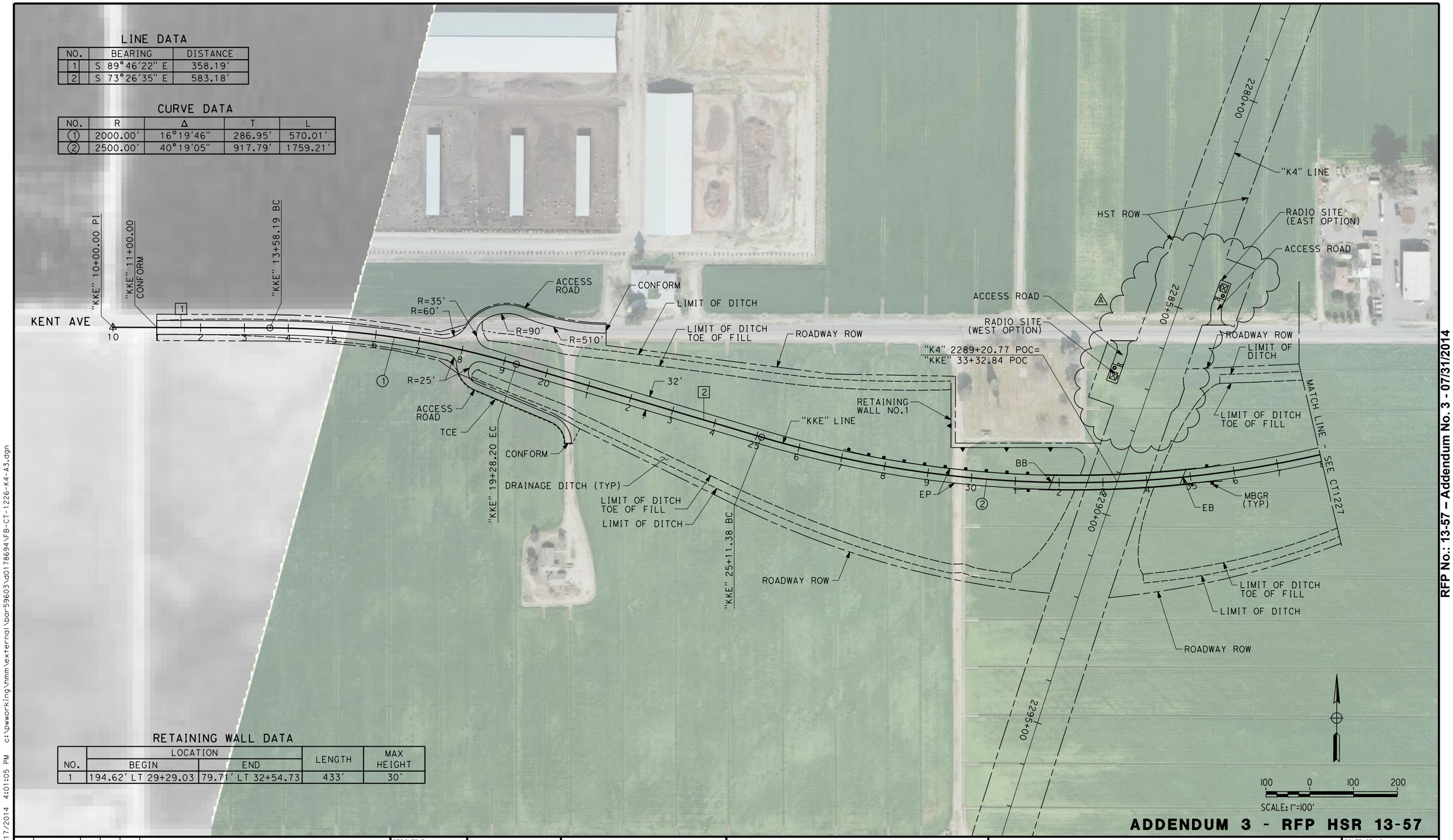
BAR59603 6/17/2014 3:33:31 PM c:\pwworking\hmm\external\bar59603\d0178693\FB-CT-1139-H-A3.dgn

LINE DATA

NO.	BEARING	DISTANCE
1	S 89°46′22" E	358.19′
2	S 73°26′35" E	583.18′

CURVE DATA

NO.	R	Δ	T	L
1	2000.00′	16°19′46"	286.95′	570.01′
2	2500.00′	40°19′05"	917.79′	1759.21′



RETAINING WALL DATA

NO.	LOCATION BEGIN	LOCATION END	LENGTH	MAX HEIGHT
1	194.62′ LT 29+29.03	79.71′ LT 32+54.73	433′	30′

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. CANNON
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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 K4
GRADE SEPARATION LAYOUT
KENT AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1226-A3
SCALE AS SHOWN
SHEET NO. 8 OF 23

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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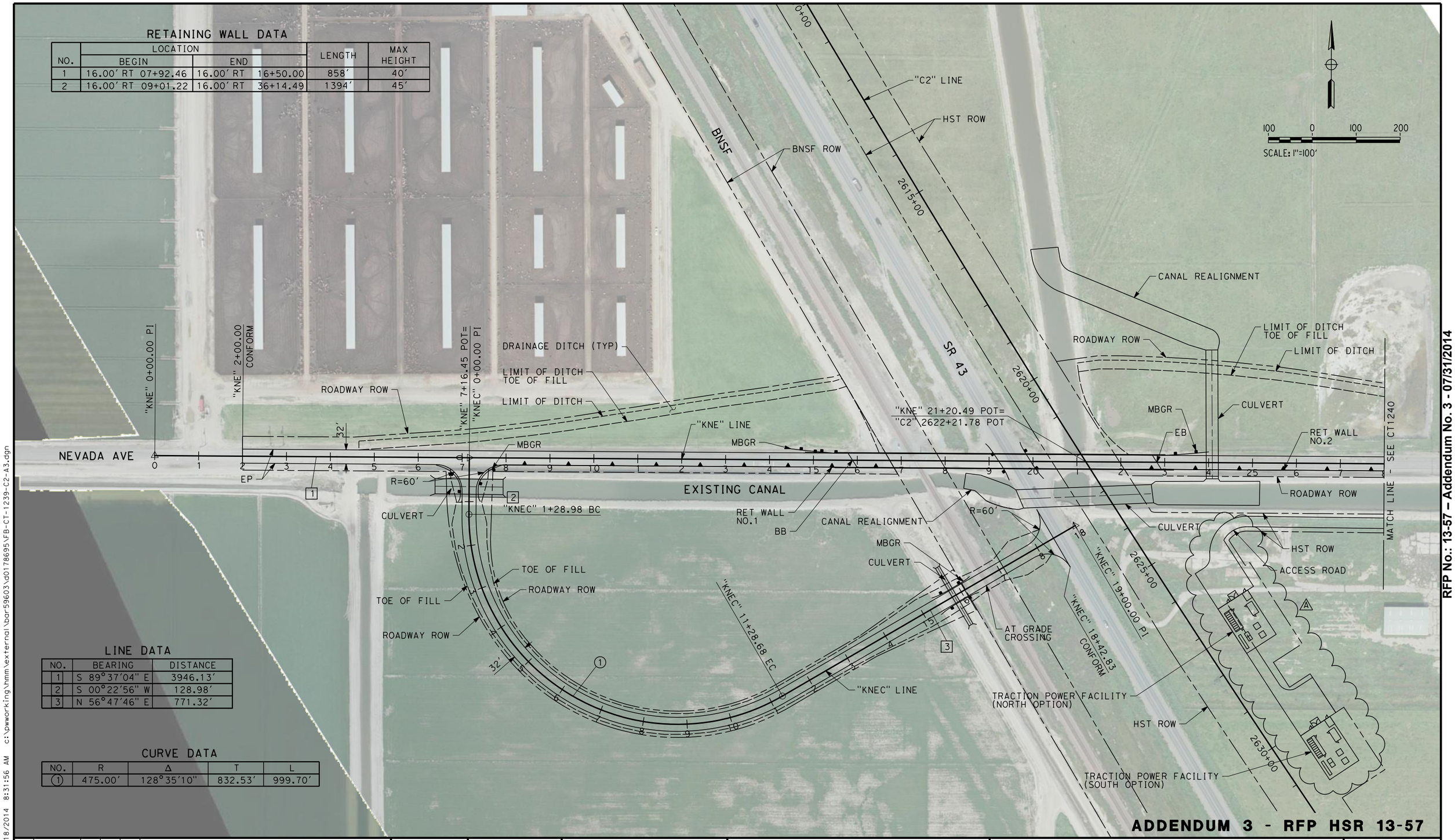
RETAINING WALL DATA

NO.	LOCATION BEGIN	LOCATION END	LENGTH	MAX HEIGHT
1	16.00' RT 07+92.46	16.00' RT 16+50.00	858'	40'
2	16.00' RT 09+01.22	16.00' RT 36+14.49	1394'	45'



LINE DATA

NO.	BEARING	DISTANCE
1	S 89°37'04" E	3946.13'
2	S 00°22'56" W	128.98'
3	N 56°47'46" E	771.32'

CURVE DATA

NO.	R	Δ	T	L
1	475.00'	128°35'10"	832.53'	999.70'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
GRADE SEPARATION LAYOUT
NEVADA AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1239-A3
SCALE AS SHOWN
SHEET NO. 2 OF 18

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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LINE DATA

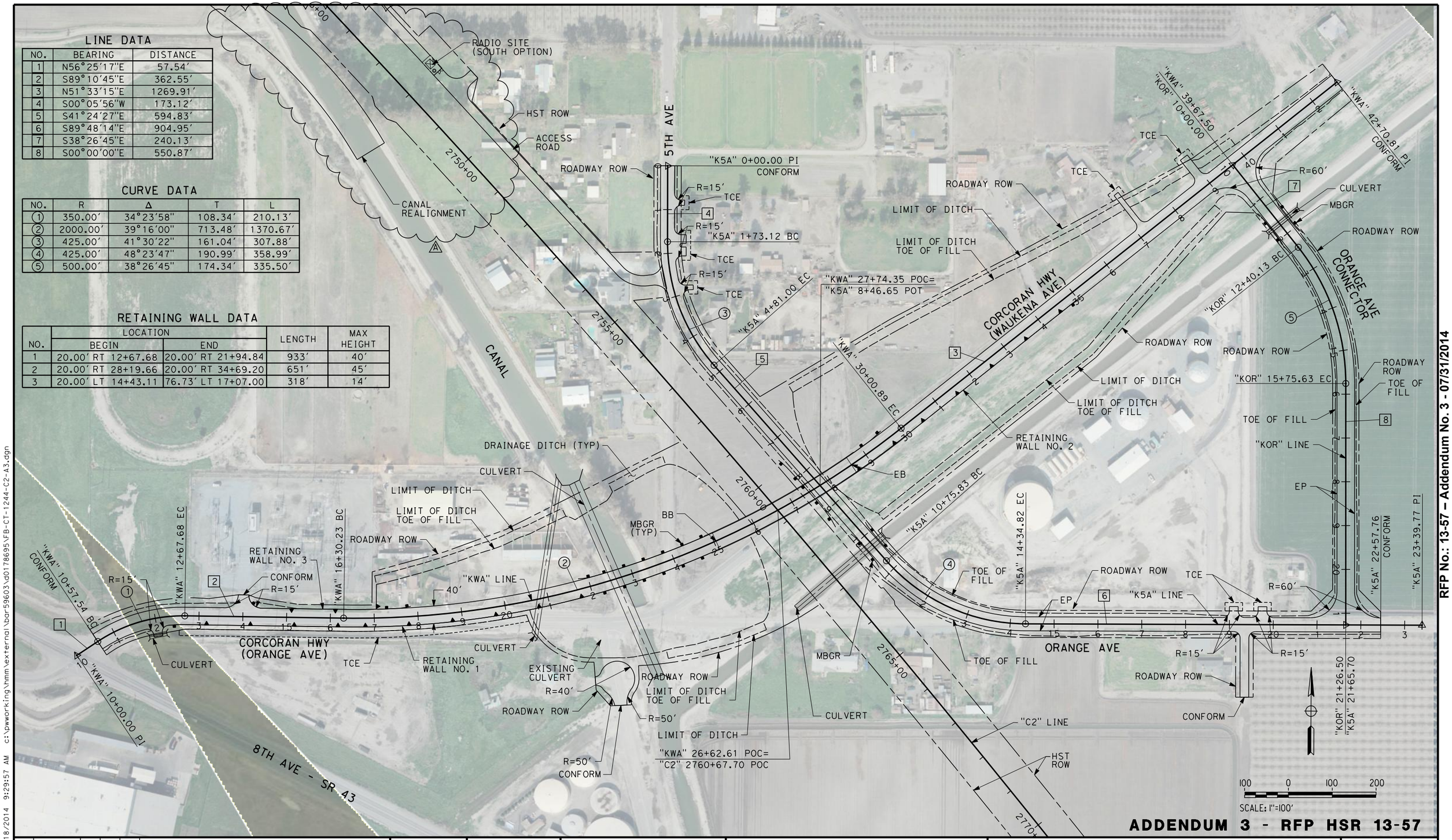
NO.	BEARING	DISTANCE
1	N56°25′17"E	57.54′
2	S89°10′45"E	362.55′
3	N51°33′15"E	1269.91′
4	S00°05′56"W	173.12′
5	S41°24′27"E	594.83′
6	S89°48′14"E	904.95′
7	S38°26′45"E	240.13′
8	S00°00′00"E	550.87′

CURVE DATA

NO.	R	Δ	T	L
1	350.00′	34°23′58"	108.34′	210.13′
2	2000.00′	39°16′00"	713.48′	1370.67′
3	425.00′	41°30′22"	161.04′	307.88′
4	425.00′	48°23′47"	190.99′	358.99′
5	500.00′	38°26′45"	174.34′	335.50′

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
1	20.00′ RT 12+67.68	20.00′ RT 21+94.84	933′	40′
2	20.00′ RT 28+19.66	20.00′ RT 34+69.20	651′	45′
3	20.00′ LT 14+43.11	76.73′ LT 17+07.00	318′	14′



ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY A. POLING
DRAWN BY E. SUDHAUSEN
CHECKED BY S. BROWN
IN CHARGE R. COFFIN
DATE 05/23/14

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
GRADE SEPARATION LAYOUT
CORCORAN HWY

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1244-A3
SCALE AS SHOWN
SHEET NO. 4 OF 18

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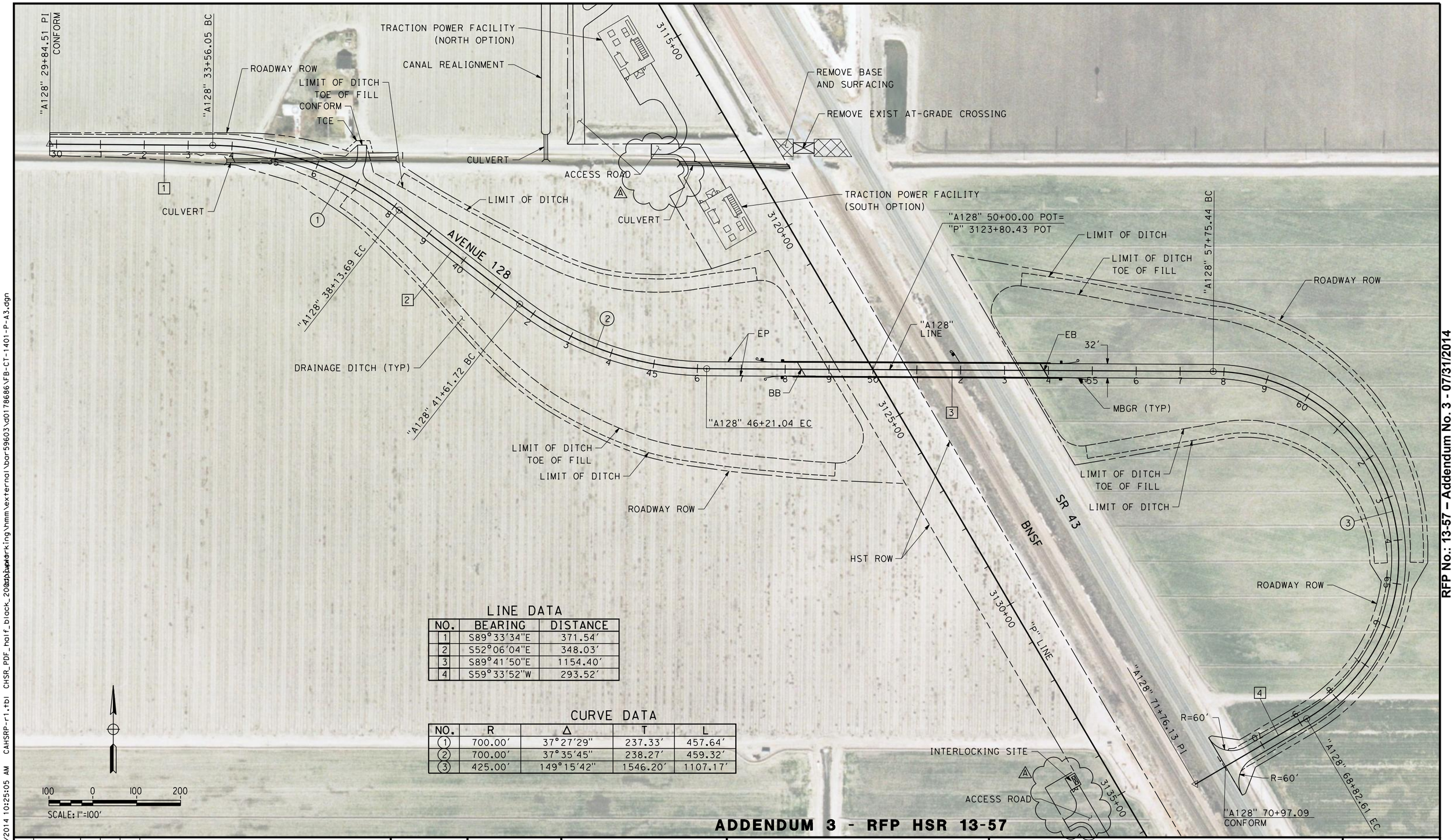
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



LINE DATA

NO.	BEARING	DISTANCE
1	S89°33'34"E	371.54'
2	S52°06'04"E	348.03'
3	S89°41'50"E	1154.40'
4	S59°33'52"W	293.52'

CURVE DATA

NO.	R	Δ	T	L
1	700.00'	37°27'29"	237.33'	457.64'
2	700.00'	37°35'45"	238.27'	459.32'
3	425.00'	149°15'42"	1546.20'	1107.17'

ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY I .JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY T. CLIFFORD
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVE 128

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1401-A3
SCALE AS SHOWN
SHEET NO. 2 OF 16

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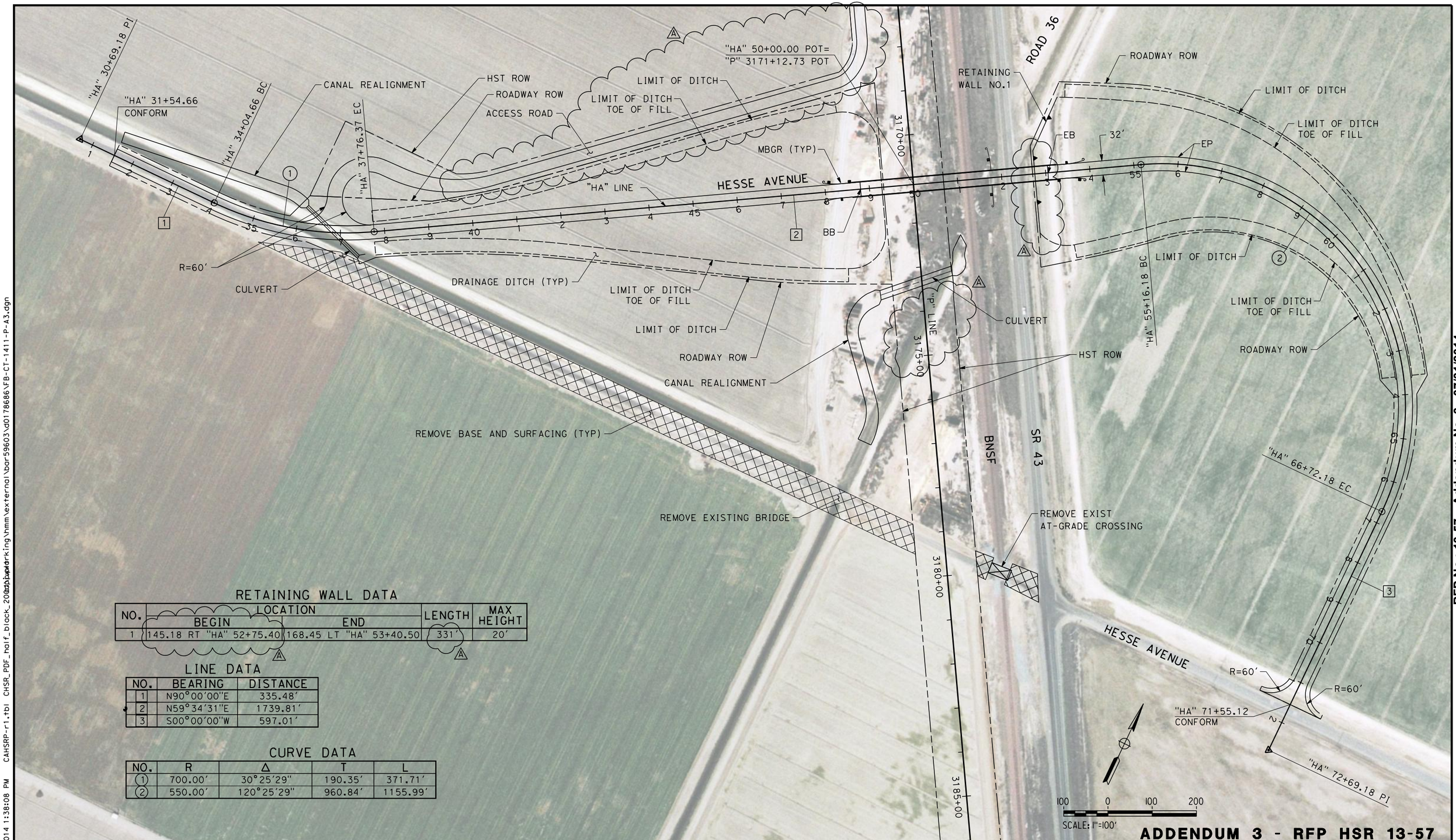

RETAINING WALL DATA

NO.	LOCATION BEGIN	LOCATION END	LENGTH	MAX HEIGHT
1	145.18 RT "HA" 52+75.40	168.45 LT "HA" 53+40.50	331'	20'

LINE DATA

NO.	BEARING	DISTANCE
1	N90°00'00"E	335.48'
2	N59°34'31"E	1739.81'
3	S00°00'00"W	597.01'

CURVE DATA

NO.	R	Δ	T	L
1	700.00'	30°25'29"	190.35'	371.71'
2	550.00'	120°25'29"	960.84'	1155.99'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY T. CLIFFORD
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
HESSE AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1411-A3
SCALE AS SHOWN
SHEET NO. 3 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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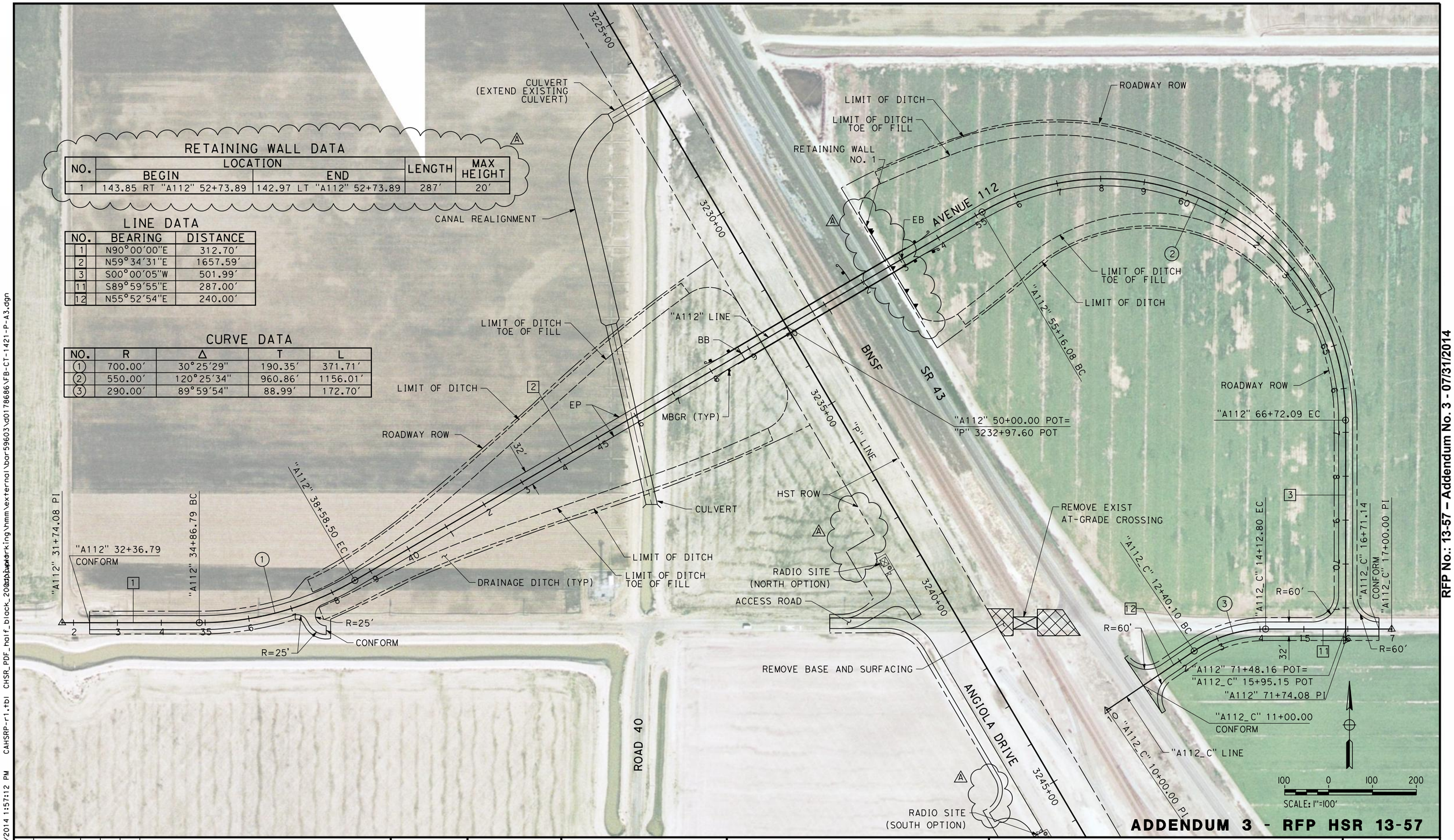

RETAINING WALL DATA

NO.	LOCATION BEGIN	LOCATION END	LENGTH	MAX HEIGHT
1	143.85 RT "A112" 52+73.89	142.97 LT "A112" 52+73.89	287'	20'

LINE DATA

NO.	BEARING	DISTANCE
1	N90°00'00"E	312.70'
2	N59°34'31"E	1657.59'
3	S00°00'05"W	501.99'
11	S89°59'55"E	287.00'
12	N55°52'54"E	240.00'

CURVE DATA

NO.	R	Δ	T	L
1	700.00'	30°25'29"	190.35'	371.71'
2	550.00'	120°25'34"	960.86'	1156.01'
3	290.00'	89°59'54"	88.99'	172.70'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY T. CLIFFORD
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVE 112

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1421-A3
SCALE AS SHOWN
SHEET NO. 4 OF 16

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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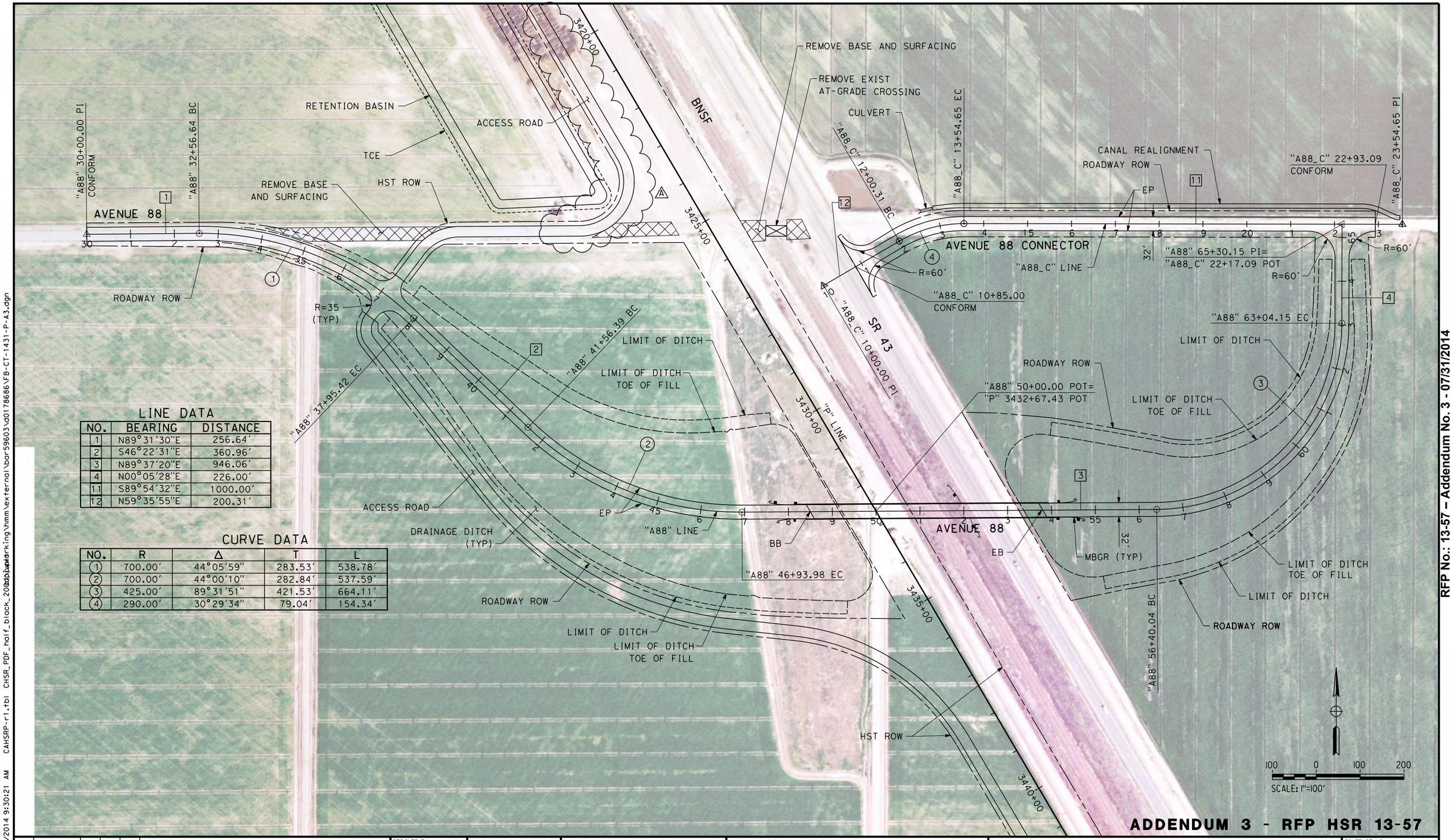

LINE DATA

NO.	BEARING	DISTANCE
1	N89°31'30"E	256.64'
2	S46°22'31"E	360.96'
3	N89°37'20"E	946.06'
4	N00°05'28"E	226.00'
11	S89°54'32"E	1000.00'
12	N59°35'55"E	200.31'

CURVE DATA

NO.	R	Δ	T	L
1	700.00'	44°05'59"	283.53'	538.78'
2	700.00'	44°00'10"	282.84'	537.59'
3	425.00'	89°31'51"	421.53'	664.11'
4	290.00'	30°29'34"	79.04'	154.34'

ADDENDUM 3 - RFP HSR 13-57

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	BR	SB	REVISED FOR ADDENDUM 3

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY T. CLIFFORD
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVE 88

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1431-A3
SCALE AS SHOWN
SHEET NO. 5 OF 16

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GENERAL SHEETS

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
TT-B0001		ALIGNMENT - LOCATION MAP	1 OF 4
GE-A0026	A	ROADWAY STRUCTURES - INDEX OF SHEETS	2 OF 4
CB0010		GENERAL - ABBREVIATIONS & LEGENDS	3 OF 4
CB0011		GENERAL - ABBREVIATIONS & LEGENDS	4 OF 4

ALIGNMENT M - MONMOUTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0049		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 9
ST2101	A	MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E LINCOLN AVE	2 OF 9
ST2103	A	MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E ADAMS AVE	3 OF 9
ST2104		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E SOUTH AVE	4 OF 9
ST2106		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E MANNING AVE	5 OF 9
ST2107		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E MANNING AVE	6 OF 9
ST2109		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E FLORAL AVE	7 OF 9
ST2111		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E NEBRASKA AVE	8 OF 9
ST2113		MONMOUTH SUBSECTION - ALIGNMENT M - OVERHEAD PLANNING STUDY - E MOUNTAIN VIEW AVE	9 OF 9

ALIGNMENT H - HANFORD SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0050		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 14
ST2117		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - S CLOVIS AVE	2 OF 14
ST2119		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - E ELKHORN AVE	3 OF 14
ST2121		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - S FOWLER AVE	4 OF 14
ST2123		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - E DAVIS AVE	5 OF 14
ST2129		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - DOVER AVE	6 OF 14
ST2133		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - EXCELSIOR AVE	7 OF 14
ST2135		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - ELDER AVE	8 OF 14
ST2137		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - FLINT AVE	9 OF 14
ST2139		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - FARGO AVE	10 OF 14
ST2143		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - HANFORD ARMONA RD	11 OF 14
ST2145		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - HOUSTON AVE	12 OF 14
ST2146		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - HOUSTON AVE	13 OF 14
ST2147		HANFORD SUBSECTION - ALIGNMENT H - OVERHEAD PLANNING STUDY - IONA AVE	14 OF 14

ALIGNMENT K4 - KAWEAH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0065		KAWEAH SUBSECTION - ALIGNMENT K4 - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 5
ST2200		KAWEAH SUBSECTION - ALIGNMENT K4 - OVERHEAD PLANNING STUDY - IDAHO AVE	2 OF 5
ST2222		KAWEAH SUBSECTION - ALIGNMENT K4 - OVERHEAD PLANNING STUDY - JACKSON AVE	3 OF 5
ST2226		KAWEAH SUBSECTION - ALIGNMENT K4 - OVERHEAD PLANNING STUDY - KENT AVE	4 OF 5
ST2228		KAWEAH SUBSECTION - ALIGNMENT K4 - OVERHEAD PLANNING STUDY - KANSAS AVE	5 OF 5

ALIGNMENT C2 - CORCORAN SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0075		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 3
ST2239		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - OVERHEAD PLANNING STUDY - NEVADA AVE	2 OF 3
ST2244		CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - OVERHEAD PLANNING STUDY - CORCORAN HWY	3 OF 3

ALIGNMENT P - PIXLEY SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0090		PIXLEY SUBSECTION - ALIGNMENT P - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 5
ST2401		PIXLEY SUBSECTION - ALIGNMENT P - OVERHEAD PLANNING STUDY - AVE 128	2 OF 5
ST2411	A	PIXLEY SUBSECTION - ALIGNMENT P - OVERHEAD PLANNING STUDY - HESSE AVE	3 OF 5
ST2421	A	PIXLEY SUBSECTION - ALIGNMENT P - OVERHEAD PLANNING STUDY - AVE 112	4 OF 5
ST2431		PIXLEY SUBSECTION - ALIGNMENT P - OVERHEAD PLANNING STUDY - AVE 88	5 OF 5

ALIGNMENT A1 - ALLENSWORTH SUBSECTION

DRAWING No	REV	DRAWING DESCRIPTION	SHEET No
SB0100		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - OVERHEAD PLANNING STUDY - KEY MAP	1 OF 5
ST2501		ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - OVERHEAD PLANNING STUDY - COUNTY RD J22	2 OF 5
~~ST2511~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - OVERHEAD PLANNING STUDY - GARCES HWY~~	~~3 OF 5~~
~~ST2521~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - OVERHEAD PLANNING STUDY - POND RD~~	~~4 OF 5~~
~~ST2531~~		~~ALLENSWORTH BYPASS SUBSECTION - ALIGNMENT A1 - OVERHEAD PLANNING STUDY - PETERSON RD~~	~~5 OF 5~~

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	JV	PT	SB	REVISED FOR ADDENDUM 3

DESIGNED BY P. TONKIN
DRAWN BY J. VALENZUELA
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 02/04/14

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ROADWAY STRUCTURES
INDEX OF SHEETS
SHEET 1 OF 1

CONTRACT NO. HSR 06-0003
DRAWING NO. GE-A0026-A3
SCALE NO SCALE
SHEET NO. 2 OF 4

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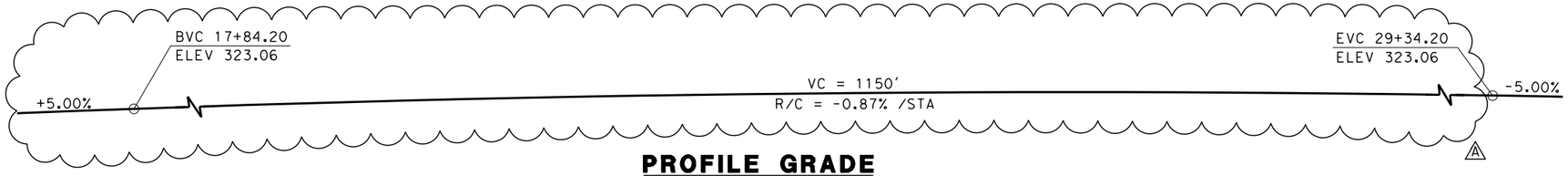
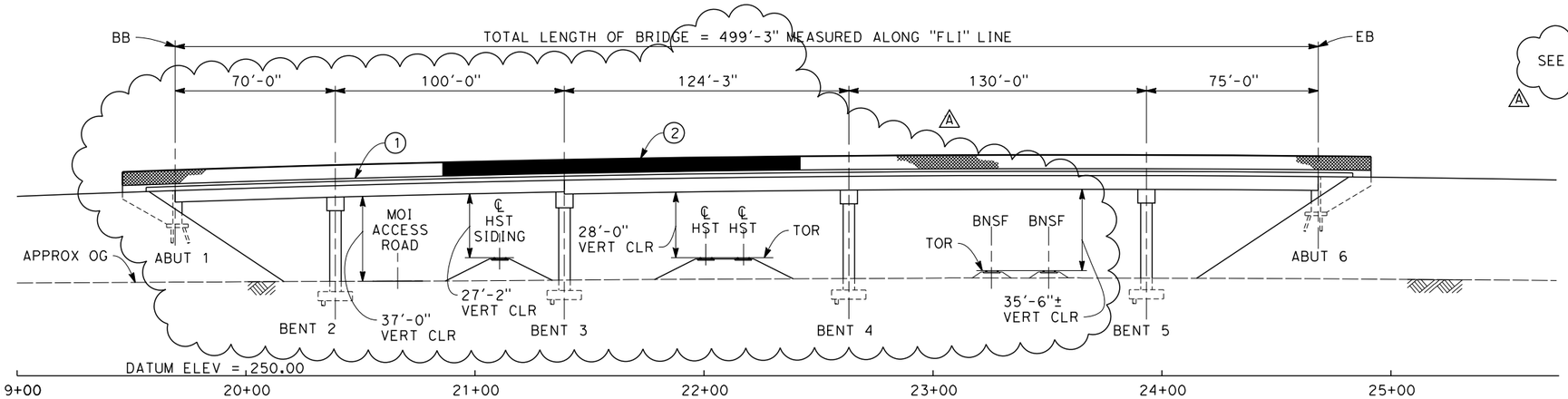
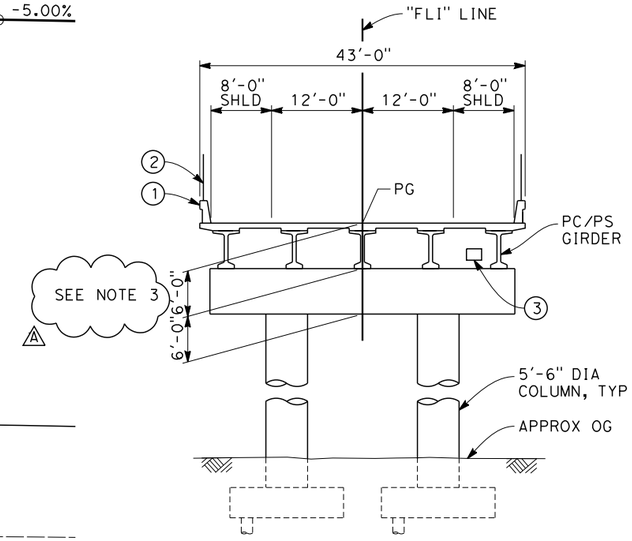
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



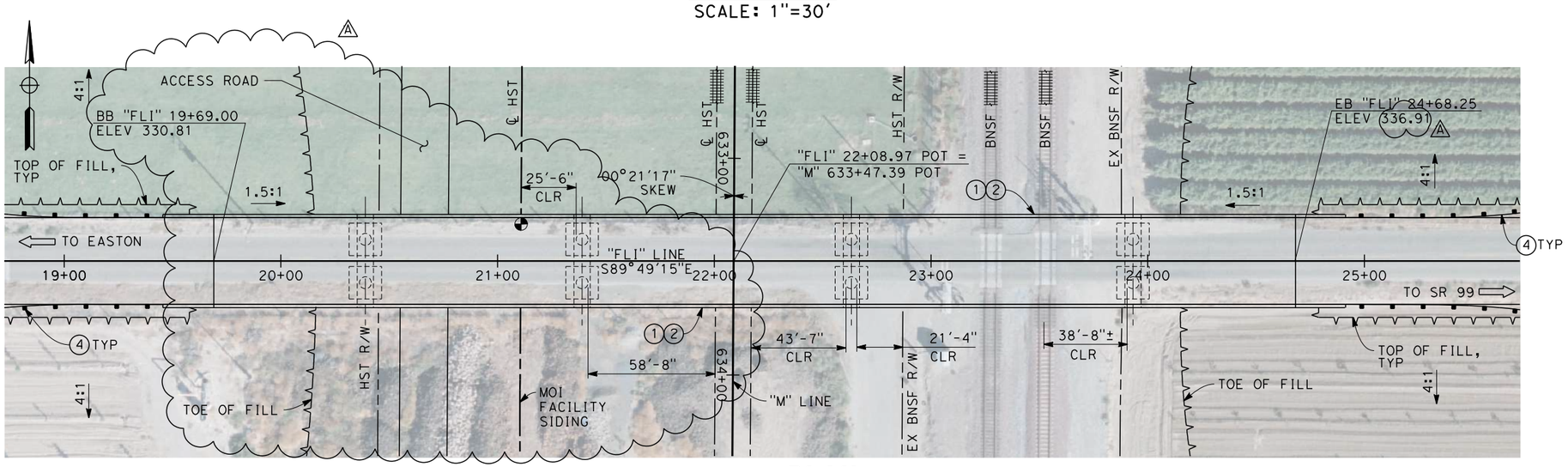
PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



TYPICAL SECTION
SCALE: 1"=10'



PLAN
SCALE: 1"=30'

NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
3. STRUCTURAL DEPTH SHALL BE 5'-0" FOR SPANS 1 AND 2.

A

LEGEND:

1. CONCRETE BARRIER WITH AR FENCE
2. AR FENCE WITH SOLID PLATE OVER HST
3. FUTURE UTILITY ENCASEMENT OPENING
4. MBGR

10 0 10 20 — 1"=10'

30 0 30 60 — 1"=30'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	MA	SB	REVISED FOR ADDENDUM 3

DESIGNED BY B. LUSCOMBE
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E LINCOLN AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2101-A3
SCALE AS SHOWN
SHEET NO. 2 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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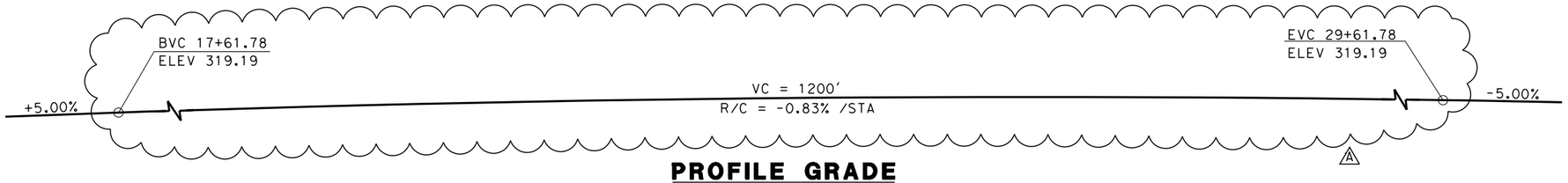
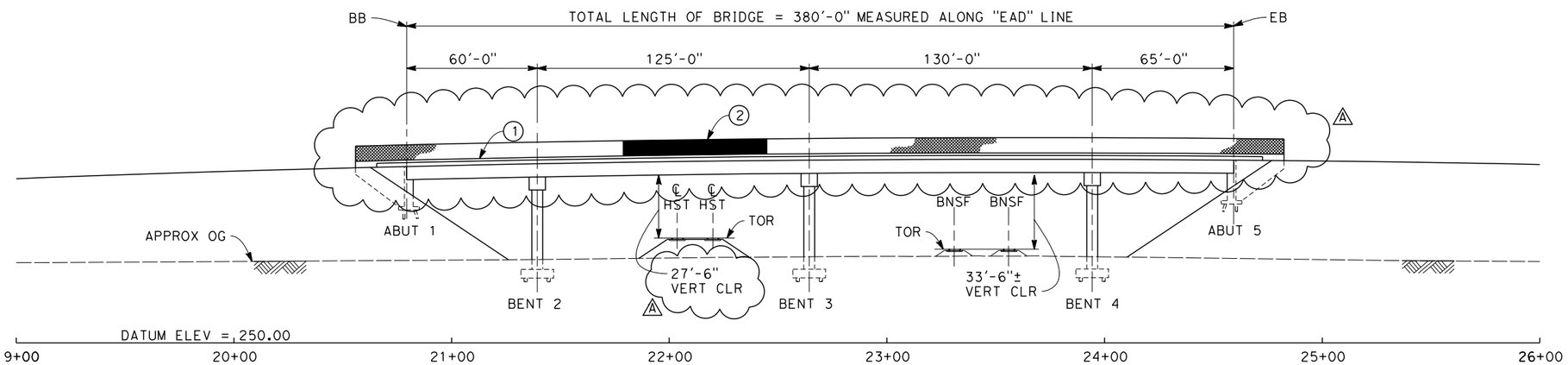
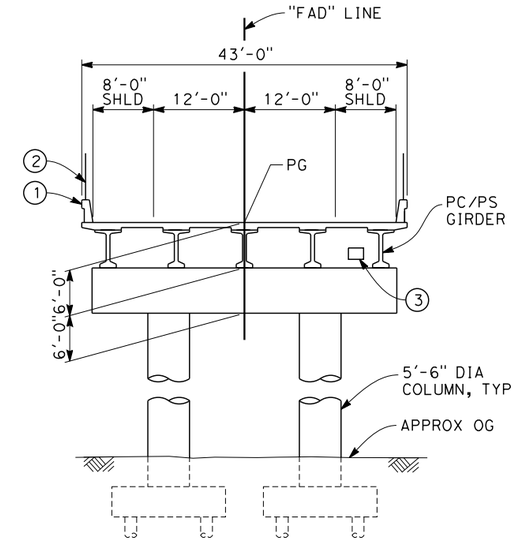


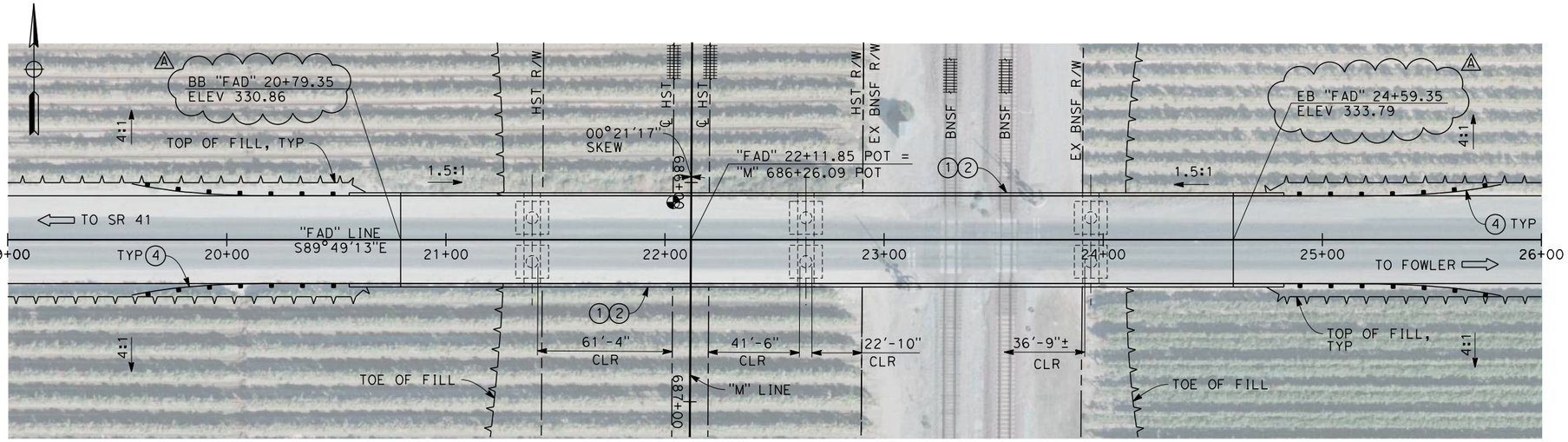
PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



TYPICAL SECTION
SCALE: 1"=10'



PLAN
SCALE: 1"=30'

NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

1. CONCRETE BARRIER WITH AR FENCE
2. AR FENCE WITH SOLID PLATE OVER HST
3. FUTURE UTILITY ENCASEMENT OPENING
4. MBGR

10 0 10 20 — 1"=10'

30 0 30 60 — 1"=30'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	MA	SB	REVISED FOR ADDENDUM 3

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 05/23/14

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
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E ADAMS AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2103-A3
SCALE AS SHOWN
SHEET NO. 3 OF 9

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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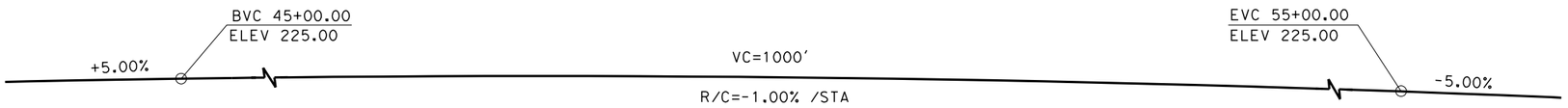
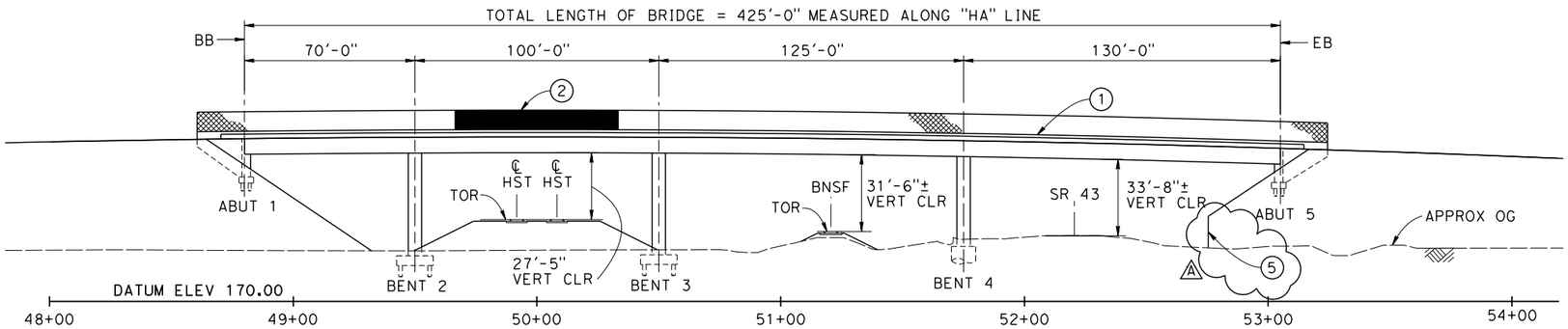
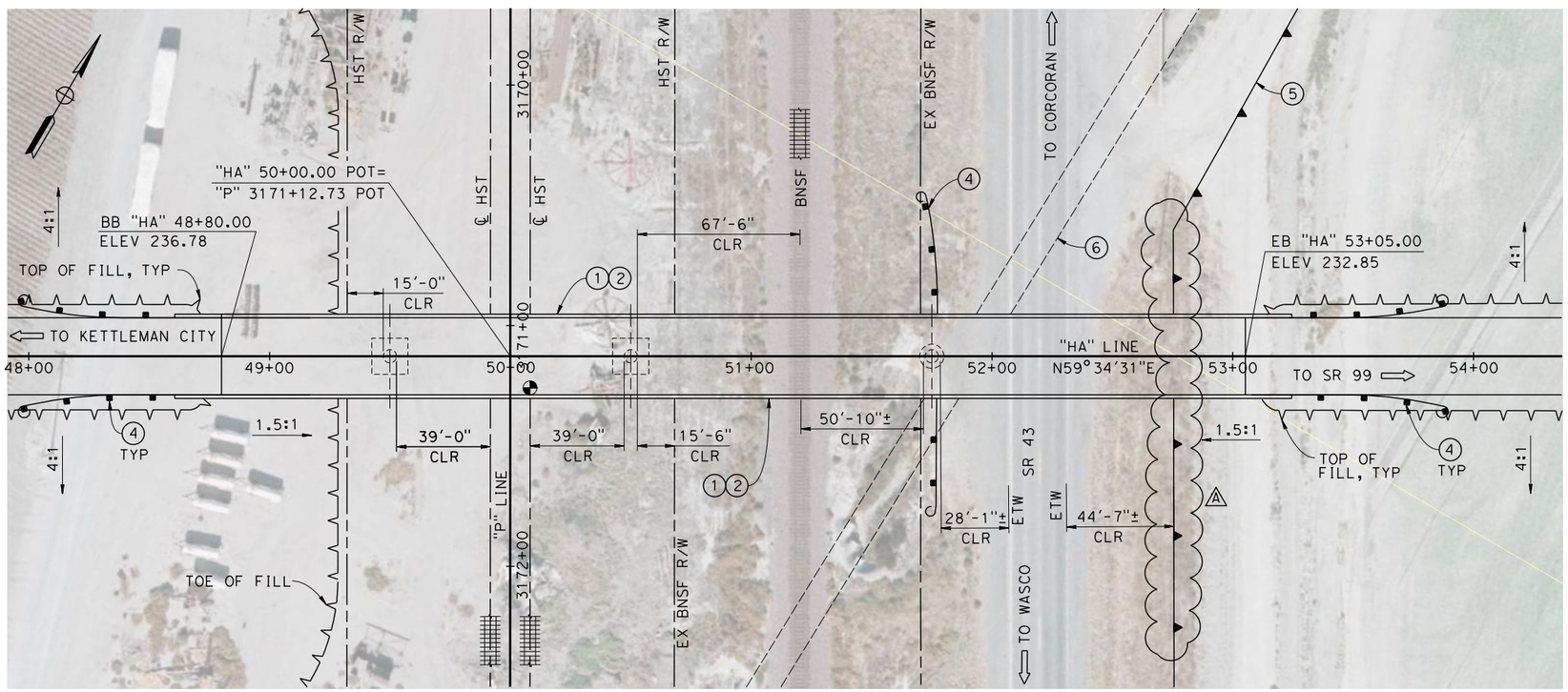
BAR59603



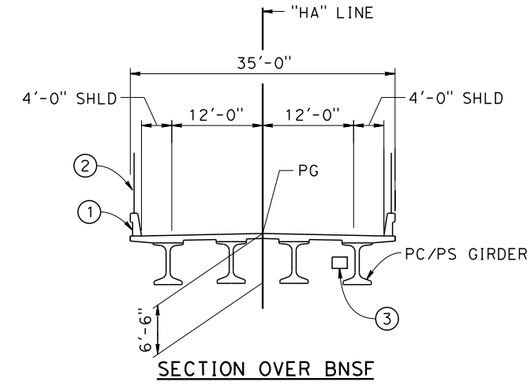
PROFILE GRADE
NO SCALE



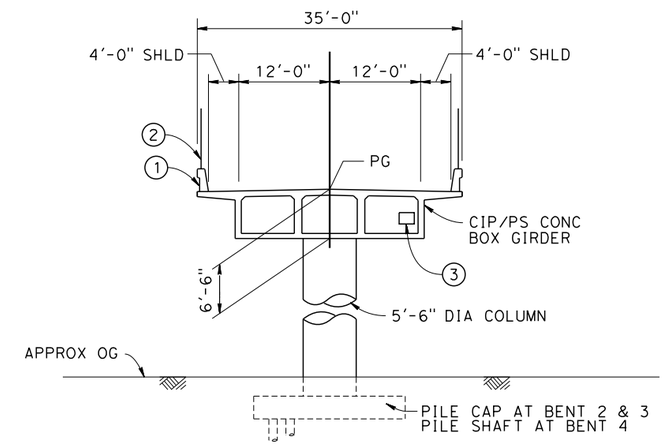
ELEVATION
SCALE:1"=30'



PLAN
SCALE:1"=30'



SECTION OVER BNSF



TYPICAL SECTIONS
SCALE:1"=10'

NOTES:
1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:
1. CONCRETE BARRIER WITH AR FENCE
2. AR FENCE WITH SOLID PLATE OVER HST
3. FUTURE UTILITY ENCASEMENT OPENING
4. MBGR
5. RETAINING WALL
6. EXISTING CULVERT

10 0 10 20 SCALE: 1"=10'

30 0 30 60 SCALE: 1"=30'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	MA	SB	REVISED FOR ADDENDUM 3

DESIGNED BY B. LUSCOMBE
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
OVERHEAD PLANNING STUDY
HESSE AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2411-A3
SCALE AS SHOWN
SHEET NO. 3 OF 5

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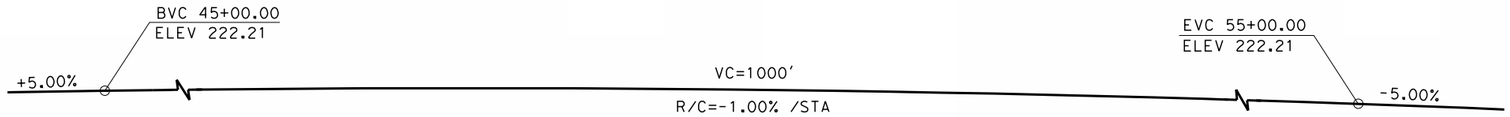
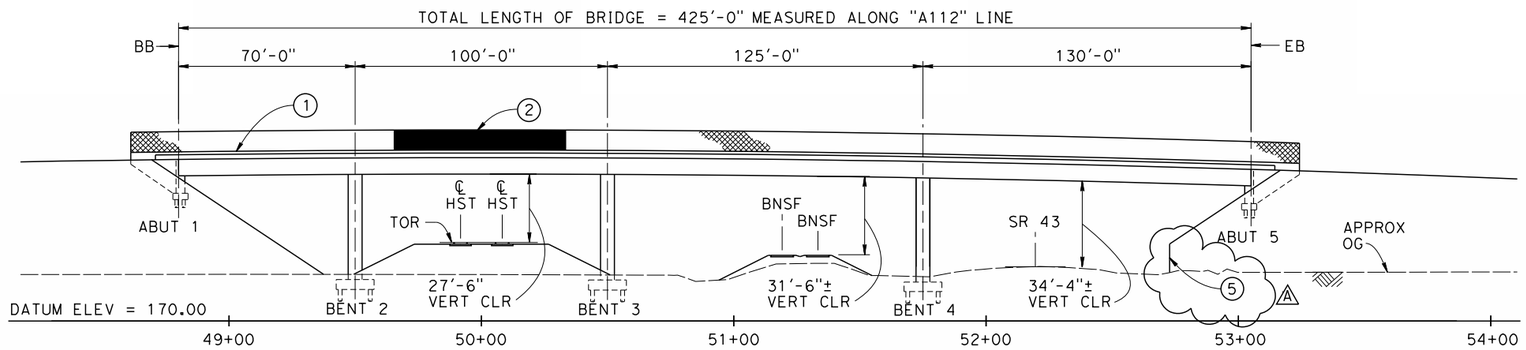
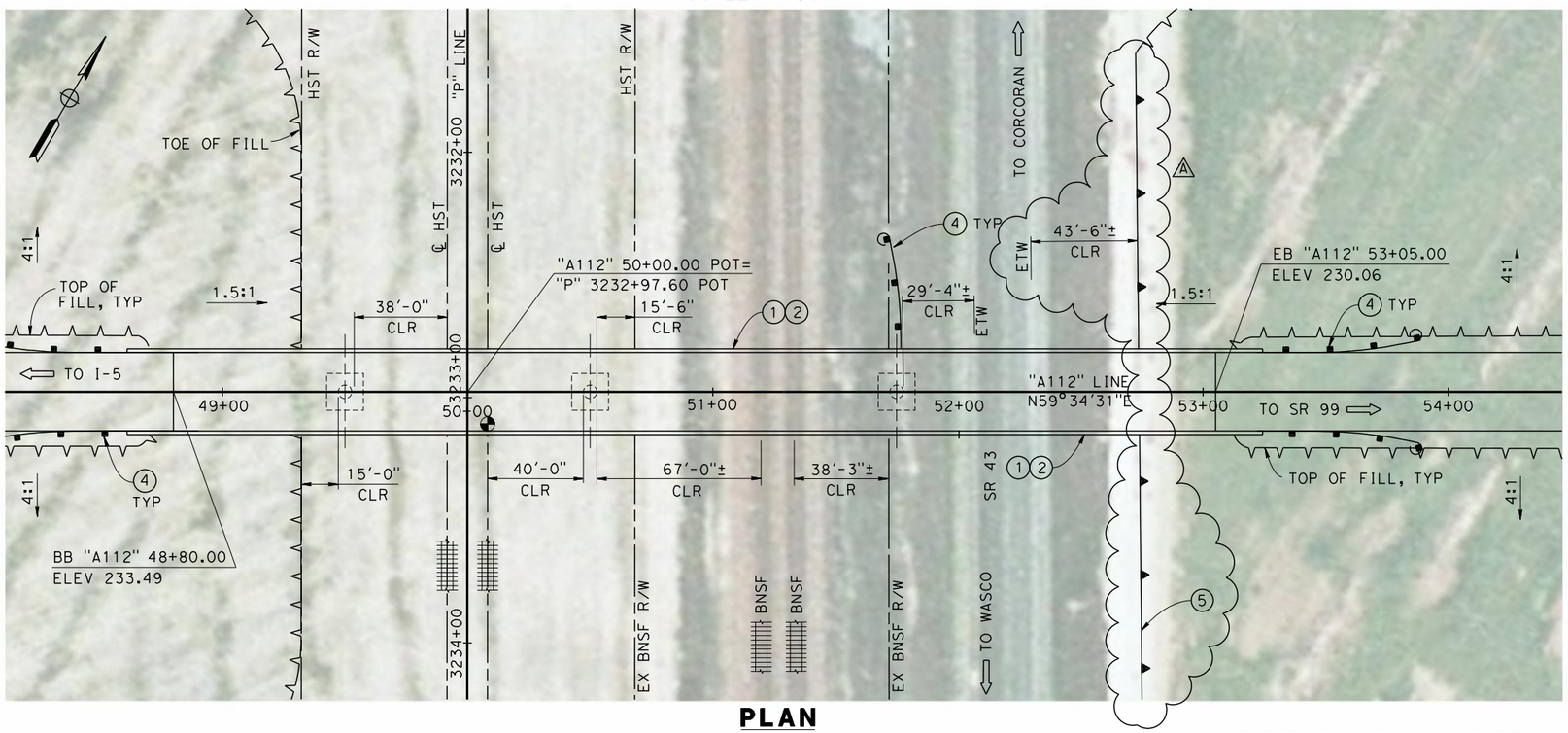
RFP No.: 13-57 – Addendum No. 3 - 07/31/2014



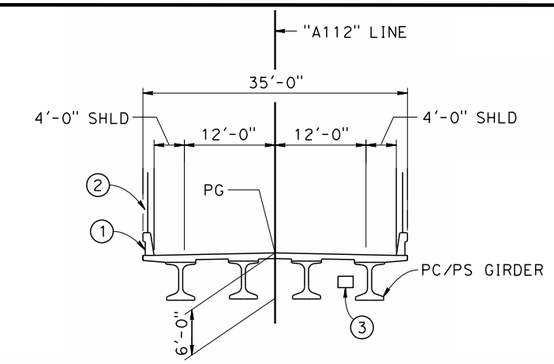
PROFILE GRADE
NO SCALE



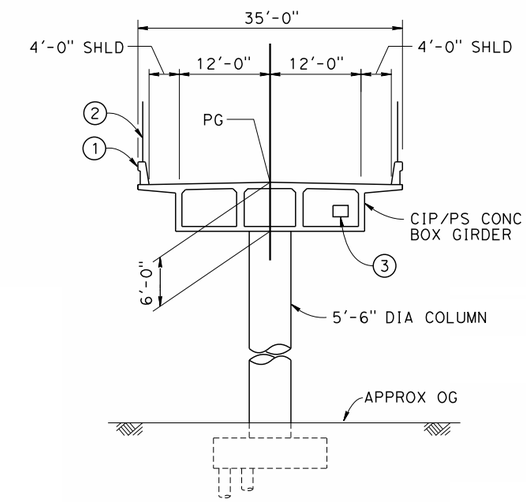
ELEVATION
SCALE:1"=30'



PLAN
SCALE:1"=30'



SECTION OVER BNSF



TYPICAL SECTIONS
SCALE:1"=10'

NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCESS, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

1. CONCRETE BARRIER WITH AR FENCE
2. AR FENCE WITH SOLID PLATE OVER HST
3. FUTURE UTILITY ENCASEMENT OPENING
4. MBGR
5. RETAINING WALL

10 0 10 20 SCALE: 1"=10'

30 0 30 60 SCALE: 1"=30'

ADDENDUM 3 - RFP HSR 13-57

REV	DATE	BY	CHK	APP	DESCRIPTION
A	2014/06	PB	MA	SB	REVISED FOR ADDENDUM 3

DESIGNED BY B. LUSCOMBE
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE R. COFFIN
DATE 05/23/14

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
PIXLEY SUBSECTION
ALIGNMENT P
OVERHEAD PLANNING STUDY
AVE 112

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2421-A3
SCALE AS SHOWN
SHEET NO. 4 OF 5

RFP No.: 13-57 – Addendum No. 3 - 07/31/2014

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