

CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

Revised Draft EIR /
Supplemental Draft EIS

Fresno to Bakersfield Section

Volume III:

Section B – Alignment Plans

Part 2 of 2

July 2012



CALIFORNIA
High-Speed Rail Authority



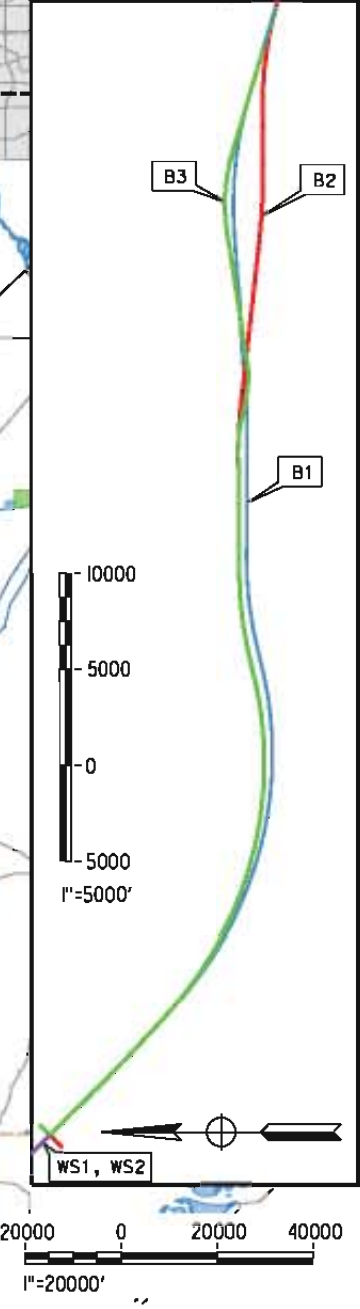
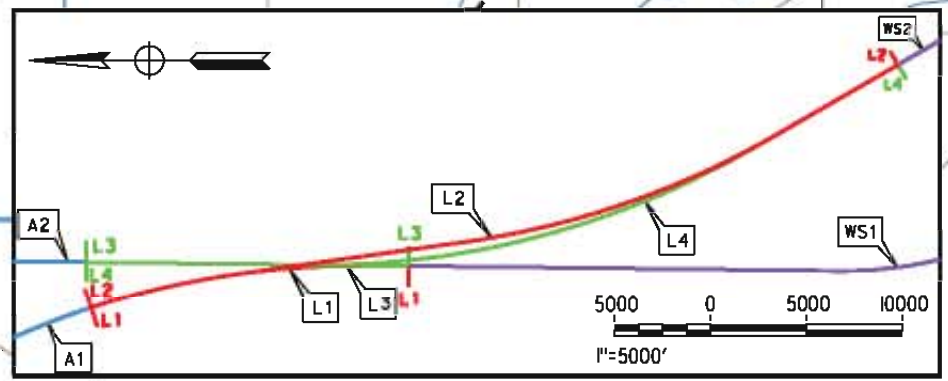
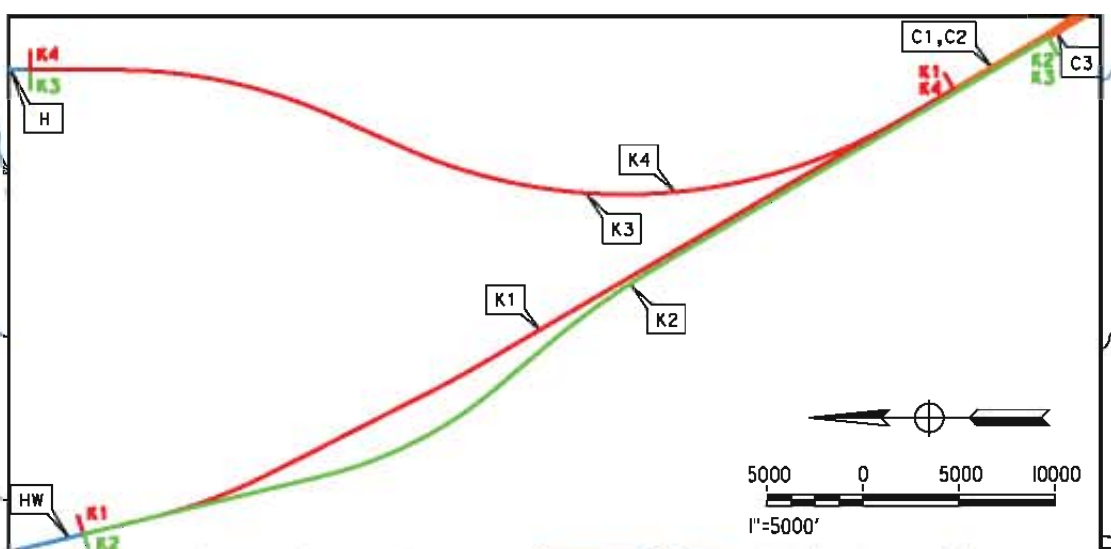
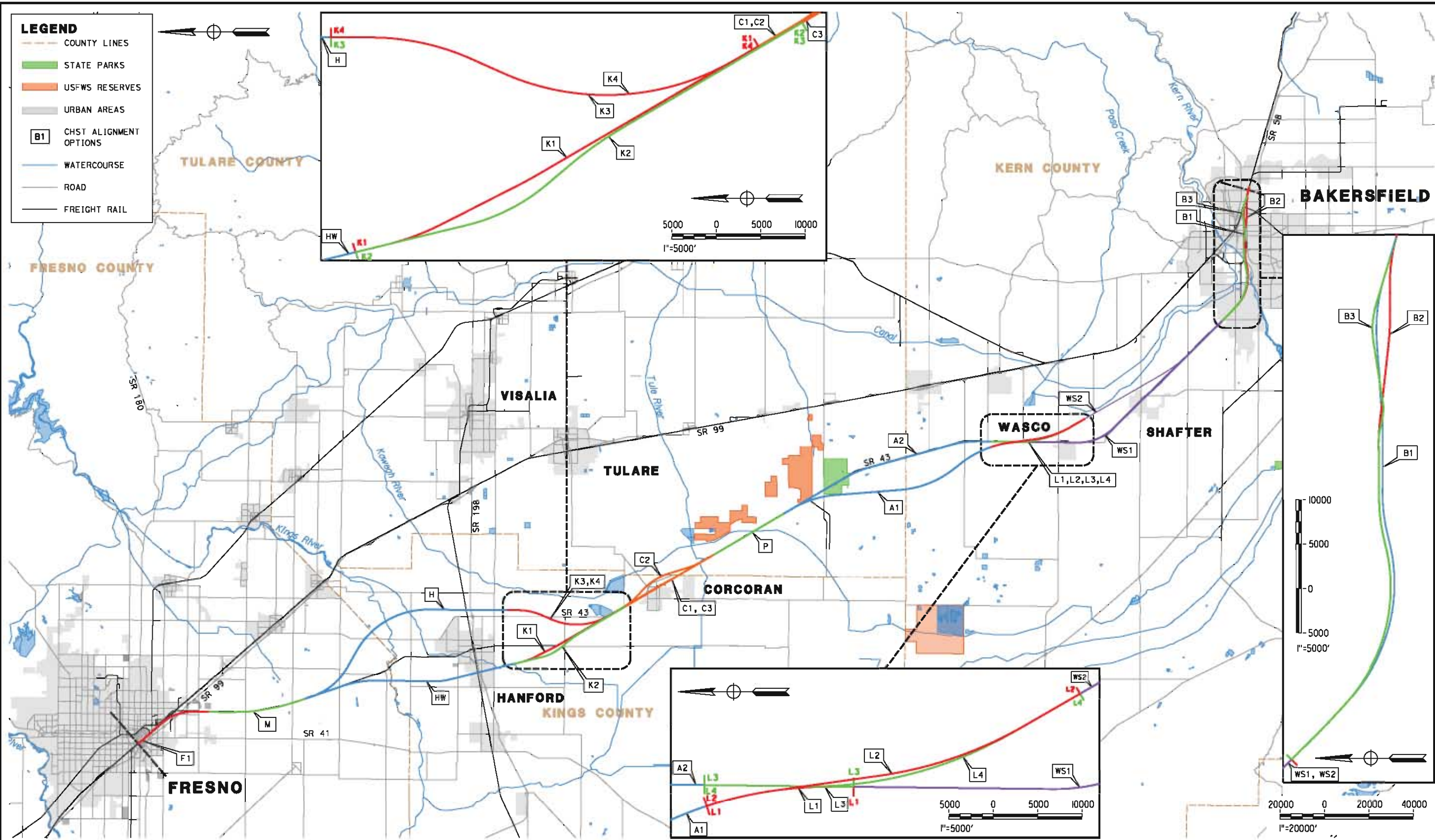
U.S. Department of Transportation
Federal Railroad Administration



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LEGEND

- COUNTY LINES
- STATE PARKS
- USFWS RESERVES
- URBAN AREAS
- B1 CHST ALIGNMENT OPTIONS
- WATERCOURSE
- ROAD
- FREIGHT RAIL



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
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CHECKED BY
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DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

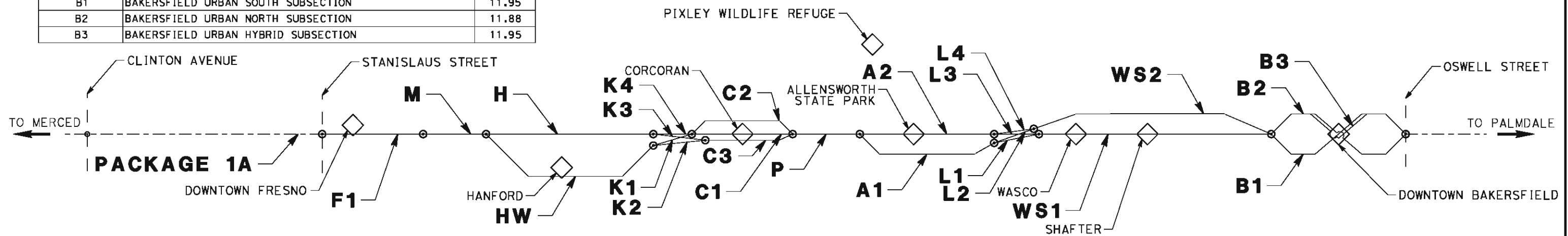


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ALIGNMENT
LOCATION MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0001
SCALE
AS SHOWN
SHEET NO.
1 OF 16

SUBSECTION CODE	NAME	LENGTH (MI)
F1	FRESNO SUBSECTION	7.00
M	MONMOUTH SUBSECTION	8.24
H	HANFORD SUBSECTION	20.45
HW	HANFORD WEST BYPASS SUBSECTION	18.27
K1	KAWEAH SUBSECTION	9.68
K2	KAWEAH SUBSECTION	10.83
K3	KAWEAH SUBSECTION	10.61
K4	KAWEAH SUBSECTION	9.53
C1	CORCORAN SUBSECTION	9.80
C2	CORCORAN BYPASS SUBSECTION	9.94
C3	CORCORAN SUBSECTION	8.74
P	PIXLEY SUBSECTION	6.88
A1	ALLENSWORTH BYPASS SUBSECTION	19.06
A2	THROUGH ALLENSWORTH SUBSECTION	19.03
L1	POSO CREEK SUBSECTION	3.18
L2	POSO CREEK SUBSECTION	8.41
L3	POSO CREEK SUBSECTION	3.18
L4	POSO CREEK SUBSECTION	8.43
WS1	THROUGH WASCO-SHAFTER SUBSECTION	20.63
WS2	WASCO-SHAFTER BYPASS SUBSECTION	14.49
B1	BAKERSFIELD URBAN SOUTH SUBSECTION	11.95
B2	BAKERSFIELD URBAN NORTH SUBSECTION	11.88
B3	BAKERSFIELD URBAN HYBRID SUBSECTION	11.95



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REV	DATE	BY	CHK	APP	DESCRIPTION

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**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
ALIGNMENT SUBSECTION DIAGRAM

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB0002
SCALE	AS SHOWN
SHEET NO.	2 OF 16

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GENERAL SHEETS

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0001	ALIGNMENT - LOCATION MAP	SHEET 1 OF 16	1
CB0002	ALIGNMENT - ALIGNMENT SUBSECTION DIAGRAM	SHEET 2 OF 16	
CB0003	ALIGNMENT - INDEX OF SHEETS - SHEET 1 OF 6	SHEET 3 OF 16	
CB0004	ALIGNMENT - INDEX OF SHEETS - SHEET 2 OF 6	SHEET 4 OF 16	
CB0005	ALIGNMENT - INDEX OF SHEETS - SHEET 3 OF 6	SHEET 5 OF 16	
CB0006	ALIGNMENT - INDEX OF SHEETS - SHEET 4 OF 6	SHEET 6 OF 16	
CB0007	ALIGNMENT - INDEX OF SHEETS - SHEET 5 OF 6	SHEET 7 OF 16	
CB0008	ALIGNMENT - INDEX OF SHEETS - SHEET 6 OF 6	SHEET 8 OF 16	
CB0010	GENERAL - ABBREVIATIONS AND LENGENDS - SHEET 1 OF 2	SHEET 9 OF 16	
CB0011	GENERAL - ABBREVIATIONS AND LENGENDS - SHEET 2 OF 2	SHEET 10 OF 16	
CB0012	ALIGNMENT - CURVE DATA - SHEET 1 OF 2	SHEET 11 OF 16	
CB0013	ALIGNMENT - CURVE DATA - SHEET 2 OF 2	SHEET 12 OF 16	
CB0014	TPSS - LOCATION MAP	SHEET 13 OF 16	
CB0015	COMMUNICATIONS RADIO SITES - LOCATION MAP	SHEET 14 OF 16	
CB0016	WILDLIFE CROSSINGS - LOCATION MAP	SHEET 15 OF 16	
CB0017	TRACTION POWER FACILITY, CROSSOVER & STATION LOCATION EXHIBIT	SHEET 16 OF 16	

REFER TO ALIGNMENT PLANS - PART 1 OF 2

ALIGNMENT F1 - FRESNO SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1650	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 257+24 TO 627+08 - KEY MAP	SHEET 1 OF 29	1
CB1657	MARIPOSA STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 257+24 TO 261+00 - PLAN AND PROFILE	SHEET 2 OF 29	
CB1658	MARIPOSA STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 261+00 TO 275+00 - PLAN AND PROFILE	SHEET 3 OF 29	
CB1659	MARIPOSA STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 275+00 TO 289+00 - PLAN AND PROFILE	SHEET 4 OF 29	
CB1660	MARIPOSA STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 289+00 TO 303+00 - PLAN AND PROFILE	SHEET 5 OF 29	
CB1661	MARIPOSA STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 303+00 TO 317+25 - PLAN AND PROFILE	SHEET 6 OF 29	
CB1662	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 317+25 TO 345+00 - PLAN AND PROFILE	SHEET 7 OF 29	
CB1663	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 345+00 TO 373+00 - PLAN AND PROFILE	SHEET 8 OF 29	
CB1664	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 373+00 TO 401+00 - PLAN AND PROFILE	SHEET 9 OF 29	
CB1665	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 401+00 TO 429+00 - PLAN AND PROFILE	SHEET 10 OF 29	
CB1666	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 429+00 TO 457+00 - PLAN AND PROFILE	SHEET 11 OF 29	
CB1667	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 457+00 TO 485+00 - PLAN AND PROFILE	SHEET 12 OF 29	
CB1668	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 485+00 TO 513+00 - PLAN AND PROFILE	SHEET 13 OF 29	
CB1669	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 513+00 TO 541+00 - PLAN AND PROFILE	SHEET 14 OF 29	
CB1670	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 541+00 TO 569+00 - PLAN AND PROFILE	SHEET 15 OF 29	
CB1671	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 569+00 TO 598+00 - PLAN AND PROFILE	SHEET 16 OF 29	
CB1672	FRESNO SUBSECTION - ALIGNMENT F1 - STA. 598+00 TO 627+08 - PLAN AND PROFILE	SHEET 17 OF 29	
CB1675	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 268+00 TO 282+00 - PLAN AND PROFILE	SHEET 18 OF 29	
CB1676	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 282+00 TO 296+00 - PLAN AND PROFILE	SHEET 19 OF 29	
CB1677	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 296+00 TO 310+00 - PLAN AND PROFILE	SHEET 20 OF 29	
CB1678	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 310+00 TO 324+00 - PLAN AND PROFILE	SHEET 21 OF 29	
CB1679	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 324+00 TO 338+00 - PLAN AND PROFILE	SHEET 22 OF 29	
CB1680	KERN STATION - FRESNO SUBSECTION - ALIGNMENT F1 - STA. 338+00 TO 352+00 - PLAN AND PROFILE	SHEET 23 OF 29	
CB3010	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 24 OF 29	
CB3011	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 25 OF 29	
CB3012	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 26 OF 29	
CB3013	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 27 OF 29	
CB3014	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 28 OF 29	
CB3015	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS -	SHEET 29 OF 29	

ALIGNMENT M - MONMOUTH SUBSECTION

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

ALIGNMENT H - HANFORD SUBSECTION

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
INDEX OF SHEETS
SHEET 1 OF 6

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0003
SCALE
NO SCALE
SHEET NO.
3 OF 16

ALIGNMENT HW - HANFORD WEST BYPASS SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1000	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1065+00 TO 2029+61 - KEY MAP	SHEET 1 OF 42	1
CB1001	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1065+00 TO 1070+00 - PLAN AND PROFILE	SHEET 2 OF 42	
CB1002	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1070+00 TO 1128+00 - PLAN AND PROFILE	SHEET 3 OF 42	
CB1003	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1128+00 TO 1186+00 - PLAN AND PROFILE	SHEET 4 OF 42	
CB1004	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1186+00 TO 1244+00 - PLAN AND PROFILE	SHEET 5 OF 42	
CB1005	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1244+00 TO 1302+00 - PLAN AND PROFILE	SHEET 6 OF 42	
CB1006	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1302+00 TO 1360+00 - PLAN AND PROFILE	SHEET 7 OF 42	
CB1007	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1360+00 TO 1418+00 - PLAN AND PROFILE	SHEET 8 OF 42	
CB1008	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1418+00 TO 1476+00 - PLAN AND PROFILE	SHEET 9 OF 42	
CB1009	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1476+00 TO 1534+00 - PLAN AND PROFILE	SHEET 10 OF 42	
CB1010	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1534+00 TO 1592+00 - PLAN AND PROFILE	SHEET 11 OF 42	
CB1011	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1592+00 TO 1650+00 - PLAN AND PROFILE	SHEET 12 OF 42	
CB1012	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1650+00 TO 1708+00 - PLAN AND PROFILE	SHEET 13 OF 42	
CB1013	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1708+00 TO 1766+00 - PLAN AND PROFILE	SHEET 14 OF 42	
CB1014	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1766+00 TO 1820+00 - PLAN AND PROFILE	SHEET 15 OF 42	
CB1015	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1820+00 TO 1834+50 - PLAN AND PROFILE	SHEET 16 OF 42	
CB1016	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1834+50 TO 1849+00 - PLAN AND PROFILE	SHEET 17 OF 42	
CB1017	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1849+00 TO 1863+50 - PLAN AND PROFILE	SHEET 18 OF 42	
CB1018	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1863+50 TO 1878+00 - PLAN AND PROFILE	SHEET 19 OF 42	
CB1019	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1878+00 TO 1892+00 - PLAN AND PROFILE	SHEET 20 OF 42	
CB1020	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1892+00 TO 1950+00 - PLAN AND PROFILE	SHEET 21 OF 42	
CB1021	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW [BELOW GRADE] - STA. 1950+00 TO 2008+00 - PLAN AND PROFILE	SHEET 22 OF 42	
CB1022	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 2008+00 TO 2029+61 - PLAN AND PROFILE	SHEET 23 OF 42	
CB1023	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1708+00 TO 1766+00 - PLAN AND PROFILE	SHEET 24 OF 42	
CB1024	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1766+00 TO 1820+00 - PLAN AND PROFILE	SHEET 25 OF 42	
CB1025	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1820+00 TO 1834+50 - PLAN AND PROFILE	SHEET 26 OF 42	
CB1026	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1834+50 TO 1849+00 - PLAN AND PROFILE	SHEET 27 OF 42	
CB1027	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1849+00 TO 1863+50 - PLAN AND PROFILE	SHEET 28 OF 42	
CB1028	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1863+50 TO 1878+00 - PLAN AND PROFILE	SHEET 29 OF 42	
CB1029	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1878+00 TO 1892+00 - PLAN AND PROFILE	SHEET 30 OF 42	
CB1030	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1892+00 TO 1950+00 - PLAN AND PROFILE	SHEET 31 OF 42	
CB1031	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - STA. 1950+00 TO 2008+00 - PLAN AND PROFILE	SHEET 32 OF 42	
CB1035	HANFORD WEST BYPASS SUBSECTION - SJVR SPUR REALIGNMENT - STA. 143+89 TO 150+64 - PLAN AND PROFILE	SHEET 33 OF 42	
CB1036	HANFORD WEST BYPASS SUBSECTION - SJVR SPUR REALIGNMENT - STA. 100+00 TO 154+00 - PLAN AND PROFILE	SHEET 34 OF 42	
CB1037	HANFORD WEST BYPASS SUBSECTION - SJVR SPUR REALIGNMENT - STA. 154+00 TO 190+00 - PLAN AND PROFILE	SHEET 35 OF 42	
CB3900	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 36 OF 42	
CB3901	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 37 OF 42	
CB3902	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 38 OF 42	
CB3903	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 39 OF 42	
CB3904	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 40 OF 42	
CB3905	HANFORD WEST BYPASS SUBSECTION - ALIGNMENT HW - CROSS SECTIONS	SHEET 41 OF 42	
CB3906	HANFORD WEST BYPASS SUBSECTION - SJVR SPUR REALIGNMENT - CROSS SECTIONS	SHEET 42 OF 42	

ALIGNMENT K1 - KAWEAH SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1040	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2030+05 TO 2541+34 - KEY MAP	SHEET 1 OF 14	1
CB1041	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2030+05 TO 2066+00 - PLAN AND PROFILE	SHEET 2 OF 14	
CB1042	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2066+00 TO 2124+00 - PLAN AND PROFILE	SHEET 3 OF 14	
CB1043	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2124+00 TO 2182+00 - PLAN AND PROFILE	SHEET 4 OF 14	
CB1044	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2182+00 TO 2240+00 - PLAN AND PROFILE	SHEET 5 OF 14	
CB1045	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2240+00 TO 2298+00 - PLAN AND PROFILE	SHEET 6 OF 14	
CB1046	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2298+00 TO 2356+00 - PLAN AND PROFILE	SHEET 7 OF 14	
CB1047	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2356+00 TO 2414+00 - PLAN AND PROFILE	SHEET 8 OF 14	
CB1048	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2414+00 TO 2472+00 - PLAN AND PROFILE	SHEET 9 OF 14	
CB1049	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2472+00 TO 2530+00 - PLAN AND PROFILE	SHEET 10 OF 14	
CB1050	KAWEAH SUBSECTION - ALIGNMENT K1 - STA. 2530+00 TO 2541+34 - PLAN AND PROFILE	SHEET 11 OF 14	
CB3910	KAWEAH SUBSECTION - ALIGNMENT K1 - CROSS SECTIONS	SHEET 12 OF 14	
CB3911	KAWEAH SUBSECTION - ALIGNMENT K1 - CROSS SECTIONS	SHEET 13 OF 14	
CB3912	KAWEAH SUBSECTION - ALIGNMENT K1 - CROSS SECTIONS	SHEET 14 OF 14	

ALIGNMENT K2 - KAWEAH SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1060	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2029+93 TO 2601+70 - KEY MAP	SHEET 1 OF 14	1
CB1061	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2029+93 TO 2066+00 - PLAN AND PROFILE	SHEET 2 OF 14	
CB1062	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2066+00 TO 2124+00 - PLAN AND PROFILE	SHEET 3 OF 14	
CB1063	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2124+00 TO 2182+00 - PLAN AND PROFILE	SHEET 4 OF 14	
CB1064	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2182+00 TO 2240+00 - PLAN AND PROFILE	SHEET 5 OF 14	
CB1065	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2240+00 TO 2298+00 - PLAN AND PROFILE	SHEET 6 OF 14	
CB1066	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2298+00 TO 2356+00 - PLAN AND PROFILE	SHEET 7 OF 14	
CB1067	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2356+00 TO 2414+00 - PLAN AND PROFILE	SHEET 8 OF 14	
CB1068	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2414+00 TO 2471+00 - PLAN AND PROFILE	SHEET 9 OF 14	
CB1069	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2471+00 TO 2529+00 - PLAN AND PROFILE	SHEET 10 OF 14	
CB1070	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2529+00 TO 2587+00 - PLAN AND PROFILE	SHEET 11 OF 14	
CB1071	KAWEAH SUBSECTION - ALIGNMENT K2 - STA. 2587+00 TO 2601+70 - PLAN AND PROFILE	SHEET 12 OF 14	
CB3915	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS SECTIONS - PLAN AND PROFILE	SHEET 13 OF 14	
CB3916	KAWEAH SUBSECTION - ALIGNMENT K2 - CROSS SECTIONS - PLAN AND PROFILE	SHEET 14 OF 14	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. TONKIN

DRAWN BY
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CHECKED BY
G. SCHLERETH

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

ALIGNMENT
INDEX OF SHEETS
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CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0004

SCALE
NO SCALE

SHEET NO.
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ALIGNMENT K3 - KAWEAH SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1100	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2073+97 TO 2634+00 - KEY MAP	SHEET 1 OF 15	1
CB1101	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2073+97 TO 2130+00 - PLAN AND PROFILE	SHEET 2 OF 15	
CB1102	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2130+00 TO 2186+00 - PLAN AND PROFILE	SHEET 3 OF 15	
CB1103	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2186+00 TO 2242+00 - PLAN AND PROFILE	SHEET 4 OF 15	
CB1104	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2242+00 TO 2298+00 - PLAN AND PROFILE	SHEET 5 OF 15	
CB1105	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2298+00 TO 2354+00 - PLAN AND PROFILE	SHEET 6 OF 15	
CB1106	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2354+00 TO 2410+00 - PLAN AND PROFILE	SHEET 7 OF 15	
CB1107	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2410+00 TO 2466+00 - PLAN AND PROFILE	SHEET 8 OF 15	
CB1108	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2466+00 TO 2522+00 - PLAN AND PROFILE	SHEET 9 OF 15	
CB1109	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2522+00 TO 2578+00 - PLAN AND PROFILE	SHEET 10 OF 15	
CB1110	KAWEAH SUBSECTION - ALIGNMENT K3 - STA. 2578+00 TO 2634+00 - PLAN AND PROFILE	SHEET 11 OF 15	
CB3161	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS SECTIONS	SHEET 12 OF 15	
CB3162	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS SECTIONS	SHEET 13 OF 15	
CB3163	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS SECTIONS	SHEET 14 OF 15	
CB3164	KAWEAH SUBSECTION - ALIGNMENT K3 - CROSS SECTIONS	SHEET 15 OF 15	

ALIGNMENT K4 - KAWEAH SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1130	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2073+96 TO 2578+00 - KEY MAP	SHEET 1 OF 13	1
CB1131	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2073+96 TO 2130+00 - PLAN AND PROFILE	SHEET 2 OF 13	
CB1132	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2130+00 TO 2186+00 - PLAN AND PROFILE	SHEET 3 OF 13	
CB1133	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2186+00 TO 2242+00 - PLAN AND PROFILE	SHEET 4 OF 13	
CB1134	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2242+00 TO 2298+00 - PLAN AND PROFILE	SHEET 5 OF 13	
CB1135	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2298+00 TO 2354+00 - PLAN AND PROFILE	SHEET 6 OF 13	
CB1136	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2354+00 TO 2410+00 - PLAN AND PROFILE	SHEET 7 OF 13	
CB1137	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2410+00 TO 2466+00 - PLAN AND PROFILE	SHEET 8 OF 13	
CB1138	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2466+00 TO 2522+00 - PLAN AND PROFILE	SHEET 9 OF 13	
CB1139	KAWEAH SUBSECTION - ALIGNMENT K4 - STA. 2522+00 TO 2578+00 - PLAN AND PROFILE	SHEET 10 OF 13	
CB3171	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	SHEET 11 OF 13	
CB3172	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	SHEET 12 OF 13	
CB3173	KAWEAH SUBSECTION - ALIGNMENT K4 - CROSS SECTIONS	SHEET 13 OF 13	

ALIGNMENT C1 - CORCORAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1870	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2578+49 TO 3096+00 - KEY MAP	SHEET 1 OF 21	1
CB1880	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2578+49 TO 2622+00 - PLAN AND PROFILE	SHEET 2 OF 21	
CB1881	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2622+00 TO 2678+00 - PLAN AND PROFILE	SHEET 3 OF 21	
CB1882	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2678+00 TO 2706+00 - PLAN AND PROFILE	SHEET 4 OF 21	
CB1883	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2706+00 TO 2734+00 - PLAN AND PROFILE	SHEET 5 OF 21	
CB1884	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2734+00 TO 2762+00 - PLAN AND PROFILE	SHEET 6 OF 21	
CB1885	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2762+00 TO 2790+00 - PLAN AND PROFILE	SHEET 7 OF 21	
CB1886	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2790+00 TO 2818+00 - PLAN AND PROFILE	SHEET 8 OF 21	
CB1887	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2818+00 TO 2846+00 - PLAN AND PROFILE	SHEET 9 OF 21	
CB1888	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2846+00 TO 2874+00 - PLAN AND PROFILE	SHEET 10 OF 21	
CB1889	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2874+00 TO 2902+00 - PLAN AND PROFILE	SHEET 11 OF 21	
CB1890	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2902+00 TO 2930+00 - PLAN AND PROFILE	SHEET 12 OF 21	
CB1891	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2930+00 TO 2958+00 - PLAN AND PROFILE	SHEET 13 OF 21	
CB1892	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2958+00 TO 3014+00 - PLAN AND PROFILE	SHEET 14 OF 21	
CB1893	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 3014+00 TO 3070+00 - PLAN AND PROFILE	SHEET 15 OF 21	
CB1894	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 3070+00 TO 3096+00 - PLAN AND PROFILE	SHEET 16 OF 21	
CB3210	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 17 OF 21	
CB3211	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 18 OF 21	
CB3212	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 19 OF 21	
CB3213	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 20 OF 21	
CB3214	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 21 OF 21	

ALIGNMENT C2 - CORCORAN BYPASS SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1850	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2571+10 TO 3096+00 - KEY MAP	SHEET 1 OF 18	1
CB1861	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2571+10 TO 2604+00 - PLAN AND PROFILE	SHEET 2 OF 18	
CB1862	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2604+00 TO 2660+00 - PLAN AND PROFILE	SHEET 3 OF 18	
CB1863	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2660+00 TO 2716+00 - PLAN AND PROFILE	SHEET 4 OF 18	
CB1864	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2716+00 TO 2772+00 - PLAN AND PROFILE	SHEET 5 OF 18	
CB1865	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2772+00 TO 2828+00 - PLAN AND PROFILE	SHEET 6 OF 18	
CB1866	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2828+00 TO 2884+00 - PLAN AND PROFILE	SHEET 7 OF 18	
CB1867	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2884+00 TO 2940+00 - PLAN AND PROFILE	SHEET 8 OF 18	
CB1868	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2940+00 TO 2996+00 - PLAN AND PROFILE	SHEET 9 OF 18	
CB1869	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 2996+00 TO 3052+00 - PLAN AND PROFILE	SHEET 10 OF 18	
CB1870	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA. 3052+00 TO 3096+00 - PLAN AND PROFILE	SHEET 11 OF 18	
CB3255	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 12 OF 18	
CB3256	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 13 OF 18	
CB3257	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 14 OF 18	
CB3258	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 15 OF 18	
CB3259	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 16 OF 18	
CB3260	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 17 OF 18	
CB3261	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 18 OF 18	

ALIGNMENT C3 - CORCORAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1900	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2634+47 TO 3096+00 - KEY MAP	SHEET 1 OF 18	1
CB1911	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2634+47 TO 2690+00 - PLAN AND PROFILE	SHEET 2 OF 18	
CB1912	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2690+00 TO 2718+00 - PLAN AND PROFILE	SHEET 3 OF 18	
CB1913	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2718+00 TO 2746+00 - PLAN AND PROFILE	SHEET 4 OF 18	
CB1914	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2746+00 TO 2774+00 - PLAN AND PROFILE	SHEET 5 OF 18	
CB1915	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2774+00 TO 2802+00 - PLAN AND PROFILE	SHEET 6 OF 18	
CB1916	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2802+00 TO 2830+00 - PLAN AND PROFILE	SHEET 7 OF 18	
CB1917	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2830+00 TO 2858+00 - PLAN AND PROFILE	SHEET 8 OF 18	
CB1918	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2858+00 TO 2886+00 - PLAN AND PROFILE	SHEET 9 OF 18	
CB1919	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2886+00 TO 2914+00 - PLAN AND PROFILE	SHEET 10 OF 18	
CB1920	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2914+00 TO 2942+00 - PLAN AND PROFILE	SHEET 11 OF 18	
CB1921	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2942+00 TO 2998+00 - PLAN AND PROFILE	SHEET 12 OF 18	
CB1922	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2998+00 TO 3054+00 - PLAN AND PROFILE	SHEET 13 OF 18	
CB1923	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 3054+00 TO 3096+00 - PLAN AND PROFILE	SHEET 14 OF 18	
CB3275	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 15 OF 18	
CB3276	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 16 OF 18	
CB3277	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 17 OF 18	
CB3278	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 18 OF 18	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. TONKIN
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IN CHARGE
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DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
INDEX OF SHEETS
SHEET 3 OF 6

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0005
SCALE
NO SCALE
SHEET NO.
5 OF 16

ALIGNMENT P - PIXLEY SUBSECTION

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

ALIGNMENT A1 - ALLENSWORTH BYPASS SUBSECTION

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

ALIGNMENT A2 - THROUGH ALLENSWORTH SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1420	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 3919+50 TO 4924+26 - KEY MAP	SHEET 1 OF 21	2
CB1421	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 3919+50 TO 3974+00 - PLAN AND PROFILE	SHEET 2 OF 21	
CB1422	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 3974+00 TO 4030+00 - PLAN AND PROFILE	SHEET 3 OF 21	
CB1423	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4030+00 TO 4086+00 - PLAN AND PROFILE	SHEET 4 OF 21	
CB1424	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4086+00 TO 4142+00 - PLAN AND PROFILE	SHEET 5 OF 21	
CB1425	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4142+00 TO 4198+00 - PLAN AND PROFILE	SHEET 6 OF 21	
CB1426	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4198+00 TO 4254+00 - PLAN AND PROFILE	SHEET 7 OF 21	
CB1427	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4254+00 TO 4310+00 - PLAN AND PROFILE	SHEET 8 OF 21	
CB1428	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4310+00 TO 4366+00 - PLAN AND PROFILE	SHEET 9 OF 21	
CB1429	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4366+00 TO 4422+00 - PLAN AND PROFILE	SHEET 10 OF 21	
CB1430	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4422+00 TO 4478+00 - PLAN AND PROFILE	SHEET 11 OF 21	
CB1431	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4478+00 TO 4534+00 - PLAN AND PROFILE	SHEET 12 OF 21	
CB1432	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4534+00 TO 4590+00 - PLAN AND PROFILE	SHEET 13 OF 21	
CB1433	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4590+00 TO 4646+00 - PLAN AND PROFILE	SHEET 14 OF 21	
CB1434	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4646+00 TO 4702+00 - PLAN AND PROFILE	SHEET 15 OF 21	
CB1435	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4702+00 TO 4758+00 - PLAN AND PROFILE	SHEET 16 OF 21	
CB1436	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4758+00 TO 4814+00 - PLAN AND PROFILE	SHEET 17 OF 21	
CB1437	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4814+00 TO 4870+00 - PLAN AND PROFILE	SHEET 18 OF 21	
CB1438	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA. 4870+00 TO 4924+26 - PLAN AND PROFILE	SHEET 19 OF 21	
CB3421	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - CROSS SECTIONS	SHEET 20 OF 21	
CB3422	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - CROSS SECTIONS	SHEET 21 OF 21	

ALIGNMENT L1 - POSO CREEK SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1525	POSO CREEK SUBSECTION - ALIGNMENT L1 - STA. 5154+50 TO 5322+33 - KEY MAP	SHEET 1 OF 6	2
CB1526	POSO CREEK SUBSECTION - ALIGNMENT L1 - STA. 5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 6	
CB1527	POSO CREEK SUBSECTION - ALIGNMENT L1 - STA. 5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 6	
CB1528	POSO CREEK SUBSECTION - ALIGNMENT L1 - STA. 5266+50 TO 5322+33 - PLAN AND PROFILE	SHEET 4 OF 6	
CB3526	POSO CREEK SUBSECTION - ALIGNMENT L1 - CROSS SECTIONS	SHEET 5 OF 6	
CB3527	POSO CREEK SUBSECTION - ALIGNMENT L1 - CROSS SECTIONS	SHEET 6 OF 6	

ALIGNMENT L2 - POSO CREEK SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1550	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5154+50 TO 5598+43 - KEY MAP	SHEET 1 OF 13	2
CB1551	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 13	
CB1552	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 13	
CB1553	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5266+50 TO 5322+50 - PLAN AND PROFILE	SHEET 4 OF 13	
CB1554	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5322+50 TO 5378+50 - PLAN AND PROFILE	SHEET 5 OF 13	
CB1555	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5378+50 TO 5434+50 - PLAN AND PROFILE	SHEET 6 OF 13	
CB1556	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5434+50 TO 5490+50 - PLAN AND PROFILE	SHEET 7 OF 13	
CB1557	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5490+50 TO 5546+50 - PLAN AND PROFILE	SHEET 8 OF 13	
CB1558	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA. 5546+50 TO 5598+43 - PLAN AND PROFILE	SHEET 9 OF 13	
CB3551	POSO CREEK SUBSECTION - ALIGNMENT L2 - CROSS SECTIONS	SHEET 10 OF 13	
CB3552	POSO CREEK SUBSECTION - ALIGNMENT L2 - CROSS SECTIONS	SHEET 11 OF 13	
CB3553	POSO CREEK SUBSECTION - ALIGNMENT L2 - CROSS SECTIONS	SHEET 12 OF 13	
CB3554	POSO CREEK SUBSECTION - ALIGNMENT L2 - CROSS SECTIONS	SHEET 13 OF 13	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
INDEX OF SHEETS
SHEET 4 OF 6

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0006
SCALE
NO SCALE
SHEET NO.
6 OF 16

ALIGNMENT L3 - POSO CREEK SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1575	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA. 5154+50 TO 5322+50 - KEY MAP	SHEET 1 OF 6	2
CB1576	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA. 5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 6	
CB1577	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA. 5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 6	
CB1578	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA. 5266+50 TO 5322+50 - PLAN AND PROFILE	SHEET 4 OF 6	
CB3576	POSO CREEK SUBSECTION - ALIGNMENT L3 - CROSS SECTIONS	SHEET 5 OF 6	
CB3577	POSO CREEK SUBSECTION - ALIGNMENT L3 - CROSS SECTIONS	SHEET 6 OF 6	

ALIGNMENT WS1 - THROUGH WASCO-SHAFTER SUBSECTION CONT'D

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB3446	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 26 OF 32	2
CB3447	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 27 OF 32	
CB3448	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 28 OF 32	
CB3449	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 29 OF 32	
CB3450	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 30 OF 32	
CB3451	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 31 OF 32	
CB3452	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS	SHEET 32 OF 32	

ALIGNMENT L4 - POSO CREEK SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1600	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5154+50 TO 5599+86 - KEY MAP	SHEET 1 OF 15	2
CB1601	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 15	
CB1602	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 15	
CB1603	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5266+50 TO 5322+50 - PLAN AND PROFILE	SHEET 4 OF 15	
CB1604	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5322+50 TO 5378+50 - PLAN AND PROFILE	SHEET 5 OF 15	
CB1605	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5378+50 TO 5434+50 - PLAN AND PROFILE	SHEET 6 OF 15	
CB1606	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5434+50 TO 5490+50 - PLAN AND PROFILE	SHEET 7 OF 15	
CB1607	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5490+50 TO 5546+50 - PLAN AND PROFILE	SHEET 8 OF 15	
CB1608	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA. 5546+50 TO 5599+86 - PLAN AND PROFILE	SHEET 9 OF 15	
CB3601	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 10 OF 15	
CB3602	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 11 OF 15	
CB3603	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 12 OF 15	
CB3604	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 13 OF 15	
CB3605	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 14 OF 15	
CB3606	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 15 OF 15	

ALIGNMENT WS2 - WASCO-SHAFTER BYPASS SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1483	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5703+34 TO 6468+32 - KEY MAP	SHEET 1 OF 19	2
CB1484	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5703+34 TO 5758+50 - PLAN AND PROFILE	SHEET 2 OF 19	
CB1485	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5758+50 TO 5814+50 - PLAN AND PROFILE	SHEET 3 OF 19	
CB1486	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5814+50 TO 5870+50 - PLAN AND PROFILE	SHEET 4 OF 19	
CB1487	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5870+50 TO 5926+50 - PLAN AND PROFILE	SHEET 5 OF 19	
CB1488	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5926+50 TO 5982+50 - PLAN AND PROFILE	SHEET 6 OF 19	
CB1489	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5982+50 TO 6038+50 - PLAN AND PROFILE	SHEET 7 OF 19	
CB1490	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6038+50 TO 6094+50 - PLAN AND PROFILE	SHEET 8 OF 19	
CB1491	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6094+50 TO 6150+50 - PLAN AND PROFILE	SHEET 9 OF 19	
CB1492	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6150+50 TO 6206+50 - PLAN AND PROFILE	SHEET 10 OF 19	
CB1493	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6206+50 TO 6262+50 - PLAN AND PROFILE	SHEET 11 OF 19	
CB1494	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6262+50 TO 6318+50 - PLAN AND PROFILE	SHEET 12 OF 19	
CB1495	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6318+50 TO 6374+50 - PLAN AND PROFILE	SHEET 13 OF 19	
CB1496	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6374+50 TP 6430+50 - PLAN AND PROFILE	SHEET 14 OF 19	
CB1497	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6430+50 TO 6468+32 - PLAN AND PROFILE	SHEET 15 OF 19	
CB3476	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 16 OF 19	
CB3477	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 17 OF 19	
CB3478	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 18 OF 19	
CB3479	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 19 OF 19	

ALIGNMENT WS1 - THROUGH WASCO-SHAFTER SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1448	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5422+50 TO 6511+99 - KEY MAP	SHEET 1 OF 32	2
CB1449	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5422+50 TO 5478+50 - PLAN AND PROFILE	SHEET 2 OF 32	
CB1450	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5478+50 TO 5534+50 - PLAN AND PROFILE	SHEET 3 OF 32	
CB1451	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5534+50 TO 5590+50 - PLAN AND PROFILE	SHEET 4 OF 32	
CB1452	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5590+50 TO 5646+50 - PLAN AND PROFILE	SHEET 5 OF 32	
CB1453	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5646+50 TO 5702+50 - PLAN AND PROFILE	SHEET 6 OF 32	
CB1454	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5702+50 TO 5758+50 - PLAN AND PROFILE	SHEET 7 OF 32	
CB1455	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5758+50 TO 5814+50 - PLAN AND PROFILE	SHEET 8 OF 32	
CB1456	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5814+50 TO 5870+50 - PLAN AND PROFILE	SHEET 9 OF 32	
CB1457	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5870+50 TO 5926+50 - PLAN AND PROFILE	SHEET 10 OF 32	
CB1458	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5926+50 TO 5982+50 - PLAN AND PROFILE	SHEET 11 OF 32	
CB1459	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5982+50 TO 6038+50 - PLAN AND PROFILE	SHEET 12 OF 32	
CB1460	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6038+50 TO 6094+50 - PLAN AND PROFILE	SHEET 13 OF 32	
CB1461	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6094+50 TO 6150+50 - PLAN AND PROFILE	SHEET 14 OF 32	
CB1462	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6150+50 TO 6206+50 - PLAN AND PROFILE	SHEET 15 OF 32	
CB1463	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6206+50 TO 6262+50 - PLAN AND PROFILE	SHEET 16 OF 32	
CB1464	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6262+50 TO 6318+50 - PLAN AND PROFILE	SHEET 17 OF 32	
CB1465	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6318+50 TO 6374+50 - PLAN AND PROFILE	SHEET 18 OF 32	
CB1466	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6374+50 TO 6430+50 - PLAN AND PROFILE	SHEET 19 OF 32	
CB1467	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6430+50 TO 6486+50 - PLAN AND PROFILE	SHEET 20 OF 32	
CB1468	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6486+50 TO 6542+50 - PLAN AND PROFILE	SHEET 21 OF 32	
CB1469	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6542+50 TO 6598+50 - PLAN AND PROFILE	SHEET 22 OF 32	
CB1470	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6598+50 TO 6654+50 - PLAN AND PROFILE	SHEET 23 OF 32	
CB1471	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6654+50 TO 6710+50 - PLAN AND PROFILE	SHEET 24 OF 32	
CB1472	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6710+50 TO 6766+50 - PLAN AND PROFILE	SHEET 25 OF 32	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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P. LEES
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05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
INDEX OF SHEETS
SHEET 5 OF 6

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0007
SCALE NO SCALE
SHEET NO. 7 OF 16

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A

AB AGGREGATE BASE
 ABBC ASBESTOS BONDED BITUMINOUS COATED
 ABM AIR-BLOWN MORTAR
 ABN ABANDON
 ABUT ABUTMENT
 AC ASPHALT CONCRETE
 ACB ASPHALT CONCRETE BASE
 ACP ASBESTOS CEMENT PIPE
 ADL ADDED DEAD LOAD
 ADJ ADJUST
 AFES ALTERNATIVE FLARED END SECTION
 AHD AHEAD
 ALT ALTERNATE
 AM TIME FROM MIDNIGHT TO NOON
 AP ALTERNATIVE PIPE
 APC ALTERNATIVE PIPE CULVERT
 APPROX APPROXIMATE
 APU ALTERNATIVE PIPE UNDERDRAIN
 ARS ACCELERATION RESPONSE SPECTRUM
 AR ACCESS RESTRICTION
 AS AGGREGATE SUBBASE
 ASRP ALUMINUM SPIRAL RIB PIPE
 ASSY ASSEMBLY
 ATPB ASPHALT TREATED PERMEABLE BASE
 ATPM ASPHALT TREATED PERMEABLE MATERIAL
 AVE AVENUE
 AVG AVERAGE
 @ AT

B

BAGR BRIDGE APPROACH GUARD RAILING
 BB BEGINNING OF BRIDGE
 BC BEGIN HORIZONTAL CURVE
 BCC BALANCED CANTILEVER CONSTRUCTION
 BCR BEGIN CURB RETURN
 BEG BEGIN
 BIT CTD BITUMINOUS COATED
 BK BACK
 BKF BACKFILL
 BLDG BUILDING
 BLM BRIDGE-LOG MILE
 BLVD BOULEVARD
 BM BENCH MARK
 BND BOUND
 BNSF BURLINGTON NORTH & SANTA FE
 BOT BOTTOM
 BR BRIDGE
 BRG BEARING
 BTU BRITISH THERMAL UNIT
 BVC BEGIN VERTICAL CURVE
 BW BARBED WIRE

C

CAA CABLE ANCHOR ASSEMBLY
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH
 CAS CONSTRUCTION AREA SIGN
 CB CONCRETE BARRIER
 CBW CONCRETE BLOCK WALL
 C-C CENTER TO CENTER

C CONTINUED

CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY
 CHST CALIFORNIA HIGH SPEED TRAIN
 CHSR CALIFORNIA HIGH SPEED RAIL
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP,C-1-P CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST IN PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL-SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CENTERLINE, CLASS
 CL2 CLASS 2
 CL-6 CHAIN LINK FENCE (6 FT)
 CLR CLEAR, CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT, CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER
 CR CREEK
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
 CRSP CONCRETED ROCK SLOPE PROTECTION
 CS CURVE TO SPIRAL
 CSP CORRUGATED STEEL PIPE
 CSPA CORRUGATED STEEL PIPE ARCH
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CVFPB CENTRAL VALLEY FLOOD PROTECTION BOARD
 CULV CULVERT
 € CENTERLINE

D

D DEPTH
 DD DOWNDRAIN, DIRECTIVE DRILLING
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR
 DET DETAIL, DETOUR
 DF DOUGLAS FIR
 DI DRAINAGE INLET, DROP INLET
 DIA DIAMETER
 DIAPH DIAPHRAGM
 DIST DISTANCE, DISTRICT
 DMBB DOUBLE METAL BEAM BARRIER
 DR DRIVE
 DTBB DOUBLE THRIE BEAM BARRIER
 DWY DRIVEWAY

E

E EAST, EASTING
 EA ACTUAL SUPERELEVATION
 EU UNBALANCED SUPERELEVATION

E CONTINUED

EASE EASEMENT
 EB END OF BRIDGE, EASTBOUND
 EC END HORIZONTAL CURVE
 ECR END CURB RETURN
 ED EDGE DRAIN
 EDC EDGE DRAIN CLEANOUT
 EDO EDGE DRAIN OUTLET
 EDV EDGE DRAIN VENT
 ELEC ELECTROLIER
 ELECT ELECTRIC
 ELEV ELEVATION
 EMB EMBANKMENT
 ENGR ENGINEER
 EOD EDGE OF DECK
 EP EDGE OF PAVEMENT
 EO EQUATION, EQUAL
 ES EDGE OF SHOULDER
 ETW EDGE OF TRAVELED WAY
 EVC END VERTICAL CURVE
 EW ENDWALL
 EXC EXCAVATION
 EXIST, EX. EXISTING
 EXP EXPANSION
 EXP JT EXPANSION JOINT
 EXWY EXPRESSWAY
 EXT EXTERIOR

F

F & C FRAME AND COVER
 F & G FRAME AND GRATE
 FB FLOOR BEAM
 F-B FRESNO TO BAKERSFIELD
 FDN FOUNDATION
 FEBT FACING EASTBOUND TRAFFIC
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE
 FH FIRE HYDRANT
 FIG FIGURE
 FL FLOW LINE
 FNBT FACING NORTHBOUND TRAFFIC
 FOC FACE OF CONCRETE
 FR RD FRONTAGE ROAD
 FS FAR SIDE, FINISHED SURFACE
 FSBT FACING SOUTHBOUND TRAFFIC
 FT FOOT, FEET
 FTG FOOTING
 FWBT FACING WESTBOUND TRAFFIC
 FWY FREEWAY
 FPLM FULL SPAN PRECAST LAUNCHING METHOD

G

G ACCELERATION DUE TO GRAVITY
 GA GAGE
 GALV GALVANIZED
 GP GRADING PLANE
 GR GUARD RAILING
 GSP GALVANIZED STEEL PIPE
 GTR GUTTER

H

H HEIGHT
 HR HOUR
 HD HORIZONTAL DRAIN
 HDWL HEADWALL
 HEX HD HEXAGONAL HEAD
 HMA HOT MIXED ASPHALT
 HORIZ HORIZONTAL
 HP HINGE POINT, HORSEPOWER
 HPS HIGH PERFORMANCE STEEL
 HS HIGH STRENGTH
 HST HIGH SPEED TRAIN
 HSR HIGH SPEED RAIL
 HW HEADWALL, HIGH WATER
 HWM HIGH WATER MARK
 HWY HIGHWAY

I

IB IMPORTED BORROW
 ID INSIDE DIAMETER
 IF INSIDE FACE
 IN INCH, INCHES
 INT INTERIOR
 INV INVERT
 IRR IRRIGATION

J

JCT JUNCTION
 JP JOINT POLE
 JPCP JOINTED PLAIN CONCRETE PAVEMENT
 JS JUNCTION STRUCTURE
 JT JOINT

K

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

L LENGTH
 LAT LATITUDE
 LCB LEAN CONCRETE BASE
 LN LANE
 LOC LOCATION
 LOL LAYOUT LINE
 LONG LONGITUDE
 LONGIT LONGITUDINAL
 LS LENGTH OF SPIRAL
 LC LENGTH OF CURVE
 LT LEFT

M

MAINT MAINTENANCE
 MAX MAXIMUM
 MB METAL BEAM
 MBB METAL BEAM BARRIER
 MBGR METAL BEAM GUARD RAILING
 MED MEDIAN
 M-F MERCED TO FRESNO
 MH MANHOLE
 MIN MINIMUM
 MISC MISCELLANEOUS
 MISC I & S MISCELLANEOUS IRON AND STEEL
 MKR MARKER
 M/L MAIN LINE (RAILWAY)

M CONTINUED

MOD MODIFIED, MODIFY
 MON MONUMENT
 MP METAL PLATE
 MPGR METAL PLATE GUARD RAILING
 MPH MILES PER HOUR
 MR MOVEMENT RATING
 MSE MECHANICALLY STABILIZED EARTH
 MTL MATERIAL
 MSS MOVING SCAFFOLDING SYSTEM

N

N NORTH, NORTHING
 NB NORTHBOUND
 NO. NUMBER (MUST HAVE PERIOD)
 NOS. NUMBERS (MUST HAVE PERIOD)
 NPS NOMINAL PIPE SIZE
 NS NEAR SIDE
 NTS NOT TO SCALE
 N/A NOT APPLICABLE

O

OBLR OBLITERATE
 OC OVERCROSSING
 OCS OVERHEAD CONTACT SYSTEM
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 OG ORIGINAL GROUND
 OGAC OPEN GRADED ASPHALT CONCRETE
 OH OVERHEAD
 O-O OUT TO OUT
 OPP OPPOSITE

P

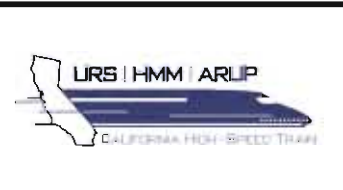
P PAGE
 PAP PERFORATED ALUMINUM PIPE
 PB PULL BOX
 PC POINT OF CURVATURE, PRECAST
 PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
 PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
 PCVC POINT OF COMPOUND VERTICAL CURVE
 PED PEDESTRIAN
 PED OC PEDESTRIAN OVERCROSSING
 PED UC PEDESTRIAN UNDERCROSSING
 PERM MTL PERMEABLE MATERIAL
 PG PROFILE GRADE
 PI POINT OF INTERSECTION
 PJP PARTIAL JOINT PENETRATION PLATE
 P/L PROPERTY LINE
 PM POST MILE, TIME FROM NOON TO MIDNIGHT
 PN PAVING NOTCH
 POB POINT OF BEGINNING
 POC POINT OF HORIZONTAL CURVE
 POE POINT OF ENDING
 POT POINT OF TANGENT
 POVC POINT OF VERTICAL CURVE
 PP PIPE PILE, PLASTIC PIPE, POWER POLE
 PPL PREFORMED PERMEABLE LINER
 PPP PERFORATED PLASTIC PIPE
 PRC POINT OF REVERSE CURVE

REV	DATE	BY	CHK	APP	DESCRIPTION

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P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 GENERAL
 ABBREVIATIONS AND LEGENDS
 SHEET 1 OF 2

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB0010
 SCALE
 NO SCALE
 SHEET NO.
 9 OF 16

P CONTINUED

PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED, PARALLEL STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVP	MAINTENANCE VEHICLE PULLOUT
Q	
QTY	QUANTITY
R	
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
RWY	RAILWAY
S	
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SPIRAL TO CURVE
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND
SECT	SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE, SPIRAL TO SPIRAL

S CONTINUED

SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SRS	STAND ALONE RADIO SITE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES
SJVR	SAN JOAQUIN VALLEY RAILROAD
T	
T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBR	TIMBER
TC	TOP OF CURB, TANGENT TO CURVE
TCB	TRAFFIC CONTROL BOX
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TOTAL
TOT	TECHNICAL MEMORANDUM
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUPPLY STATION
TRANS	TRANSITION, TRANSVERSE
TS	TRAFFIC SIGNAL, TUBULAR STEEL, TANGET TO SPIRAL
TYP	TYPICAL
TOR	TOP OF RAIL
U	
UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE
V	
V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME

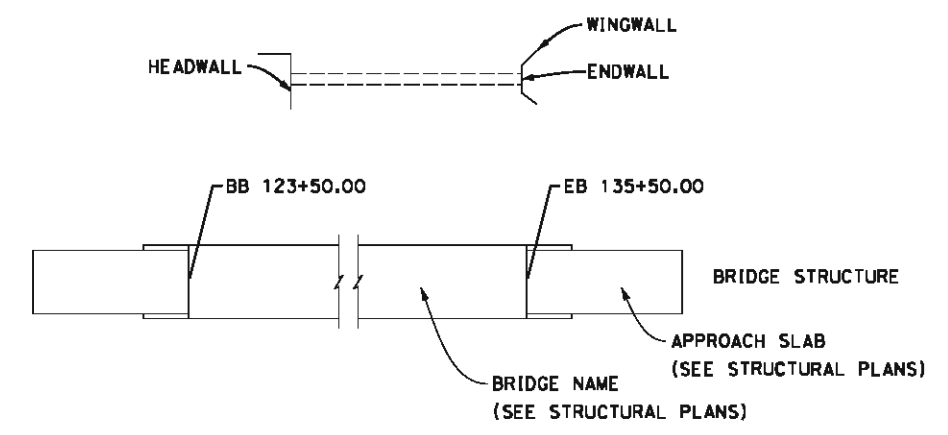
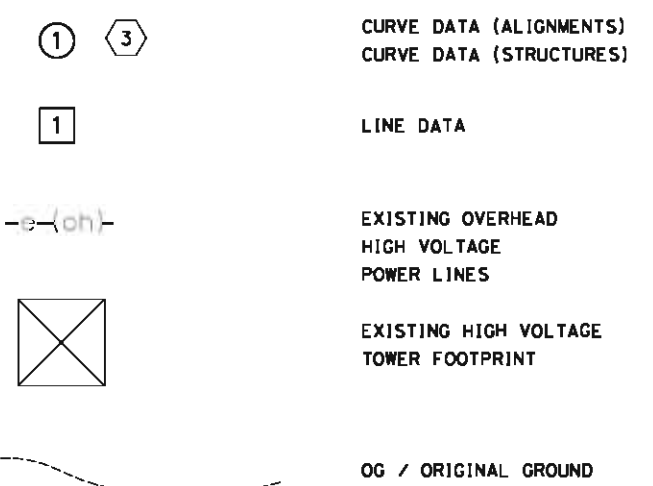
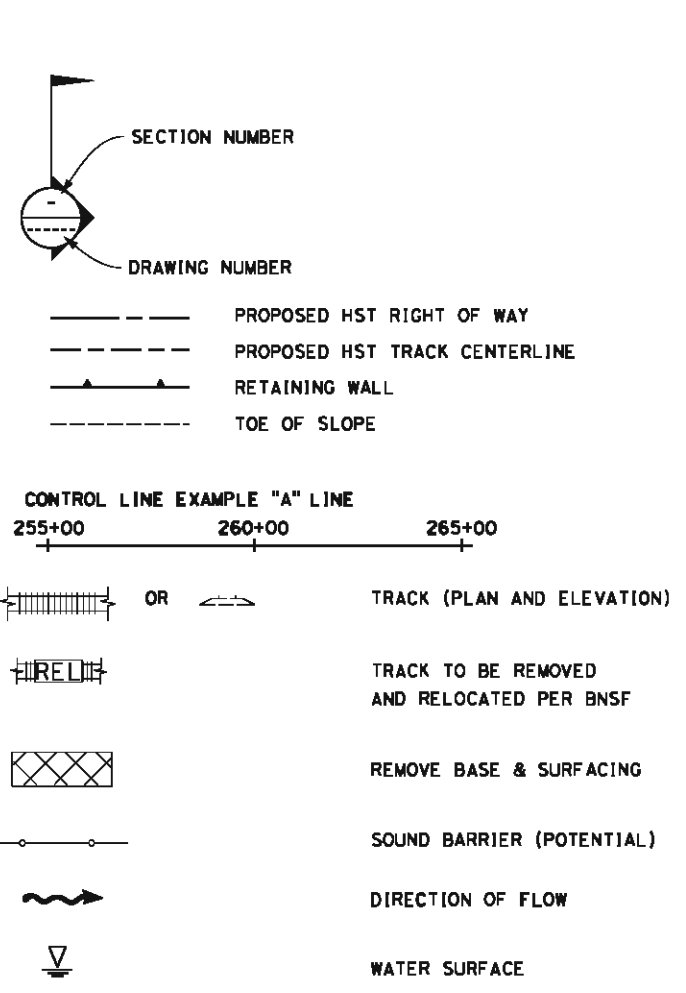
W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWL	WINGWALL LAYOUT LINE
W/	WITH
X	
X SEC	CROSS SECTION
XING	CROSSING
Y	
YR	YEAR
YRS	YEARS

GENERAL NOTES

1. TRACK PROFILE IS DESIGNED AS TOP OF THE LOW RAIL.
2. MINIMUM VERTICAL CLEARANCE REQUIREMENTS TO CANALS AND DITCHES ARE NOT KNOWN. FURTHER CONSULTATION WITH THE WATERCOURSE OWNERS WILL BE REQUIRED TO DETERMINE NECESSARY CLEARANCES.
3. THE FOLLOWING ARE ROADWAY DESIGN STANDARD AND GUIDELINES:
 - A. CALTRANS HIGHWAY DESIGN MANUAL (2006)
 - B. AASHTO ROADSIDE DESIGN GUIDE (2006)
 - C. APPLICABLE LOCAL DESIGN STANDARD AND GUIDELINES (I.E., CITY OF FRESNO)

LEGEND



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
06/08/12

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

GENERAL
ABBREVIATIONS AND LEGENDS
SHEET 2 OF 2

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0011

SCALE
NO SCALE

SHEET NO.
10 OF 16

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ALIGNMENT F1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
1	220	21300	6.75	2.34	2500	12999

ALIGNMENT M

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
2	250	70000	2.25	1.32	1200	1500
3	250	45000	3.75	1.81	1500	5364
4	250	45000	3.75	1.81	1500	3363
5	250	70000	2.25	1.32	1200	1486

ALIGNMENT H

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
6	250	29000	5.75	2.87	2000	19086
7	250	36500	4.00	2.85	1700	37009

ALIGNMENT HW

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
30	250	45000	3.75	1.81	1600	13727
31	250	28000	6.00	2.93	2500	4512

ALIGNMENT K1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
32	250	28000	6.00	2.93	2500	4006
33	250	60000	2.75	1.42	1200	2336
34	250	300000	0.00	0.83	1200	1689
35	250	300000	0.00	0.83	1200	1783

ALIGNMENT K2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
36	220	22000	6.00	2.80	1800	8442
37	250	45000	3.75	1.81	1600	6233

ALIGNMENT K3

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
40	250	28000	6.00	2.93	2500	9189
41	250	28600	6.00	2.74	2500	24733

ALIGNMENT K4

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
8	250	28000	6.00	2.93	2500	9189
9	250	28600	6.00	2.74	2500	24736

ALIGNMENT C1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
50	250	60000	2.75	1.42	1200	1246
51	250	60000	2.75	1.42	1200	1285

ALIGNMENT C2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
10	250	28000	6.00	2.93	2000	6472
11	250	28000	6.00	2.93	2000	13043
12	250	35000	4.75	2.39	2000	8283

ALIGNMENT C3

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
60	250	270000	0.50	0.43	1200	1200
61	250	100000	1.50	1.00	1200	1200
62	250	160000	1.00	0.56	1200	1338

ALIGNMENT P

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
13	250	2000000	0.00	0.13	0.00	1999

ALIGNMENT A1/L1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
14	250	45000	3.75	1.81	1500	18810
15	250	45000	3.75	1.81	1500	25441
16	250	45000	3.75	1.81	1500	29556

ALIGNMENT A2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
70	250	45000	3.75	1.81	1500	10257
71	250	45000	3.75	1.81	1500	11168

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
CURVE DATA
SHEET 1 OF 2

CONTRACT NO.
HSR 06-0003
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CB0012
SCALE
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SHEET NO.
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ALIGNMENT L2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
91	250	45000	3.75	1.81	1500	7156
92	250	45000	3.75	1.81	1500	15689

ALIGNMENT L4

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
111	250	45000	3.75	1.81	1500	22536

ALIGNMENT WS1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
17	220	22000	6.50	2.30	2100	15373
18	250	181938	0.25	1.12	1200	1600
19	250	62000	2.75	1.28	1200	3491
20	250	48000	3.50	1.71	1400	3155
21	250	69000	2.50	1.12	1200	1206

ALIGNMENT WS2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
80	250	65000	2.50	1.35	1200	15692

ALIGNMENT B1

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
22	250	60000	2.75	1.42	1200	1200
23	220	19500	7.00	2.93	1720	17138
24	220	19500	7.00	2.93	1720	2667
25	220	30008	3.50	2.95	1291/956	1291
26	220	20008	7.00	2.68	1720	5348

ALIGNMENT B2

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
100	250	60000	2.75	1.42	1200	1200
101	220	19500	7.00	2.93	1720	17056
102	220	19600	7.00	2.88	1720	2333
103	220	23508	5.50	2.74	1331	1432
104	220	27508	4.50	2.54	1334	1850
105	220	20008	7.00	2.68	1720	4365

ALIGNMENT B3

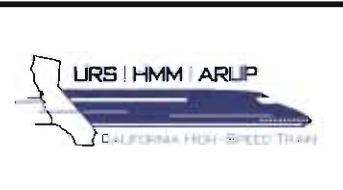
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120	250	60000	2.75	1.42	1200	1200
121	210	19500	6.00	3.05	1720	17056
122	200	19600	6.00	2.16	1720	2333
123	115	6000	6.00	2.82	1000/1050	332
124	115	6000	6.00	2.82	1050/1000	1192
125	145	9500	6.00	2.85	1300	2842

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

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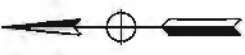


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALIGNMENT
CURVE DATA
SHEET 2 OF 2

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0013
SCALE
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SHEET NO.
12 OF 16

LEGEND

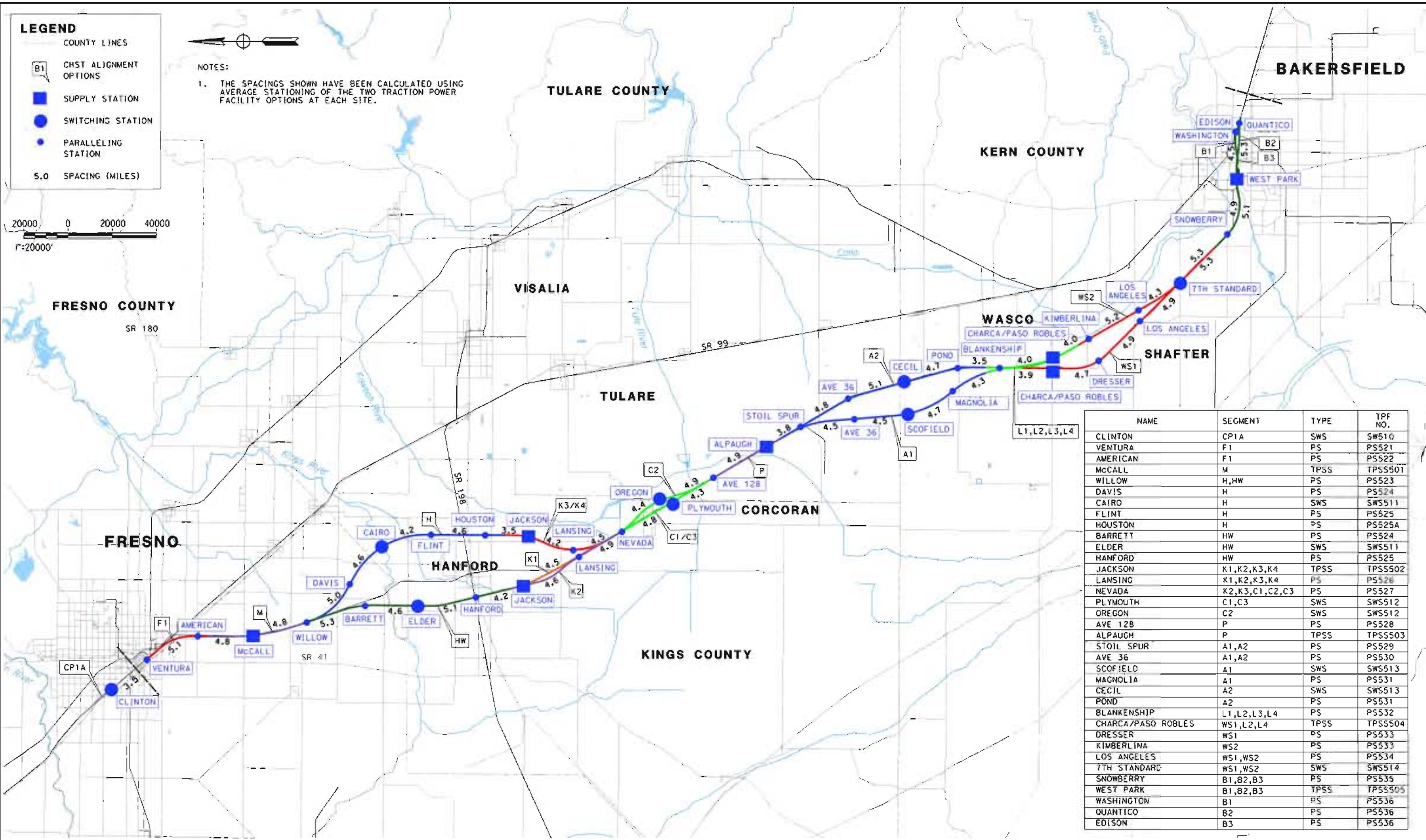
- COUNTY LINES
- B1 CHST ALIGNMENT OPTIONS
- SUPPLY STATION
- SWITCHING STATION
- PARALLELING STATION
- 5.0 SPACING (MILES)



NOTES:
 1. THE SPACINGS SHOWN HAVE BEEN CALCULATED USING AVERAGE STATIONING OF THE TWO TRACTION POWER FACILITY OPTIONS AT EACH SITE.



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NAME	SEGMENT	TYPE	TPF NO.
CLINTON	CP1A	SWS	SW510
VENTURA	F1	PS	PS521
AMERICAN	F1	PS	PS522
McCALL	M	TPSS	TPSS501
WILLOW	H,HW	PS	PS523
DAVIS	H	PS	PS524
CAIRO	H	SWS	SWS511
FLINT	H	PS	PS525
HOUSTON	H	PS	PS525A
BARRETT	HW	PS	PS524
ELDER	HW	SWS	SWS511
HANFORD	HW	PS	PS525
JACKSON	X1,K2,K3,K4	TPSS	TPSS502
LANSING	X1,K2,K3,K4	PS	PS526
NEVADA	K2,K3,C1,C2,C3	PS	PS527
PLYMOUTH	C1,C3	SWS	SWS512
OREGON	C2	SWS	SWS512
AVE 128	P	PS	PS528
ALPAUGH	P	TPSS	TPSS503
STOIL SPUR	A1,A2	PS	PS529
AVE 36	A1,A2	PS	PS530
SCOFIELD	A1	SWS	SWS513
MAGNOLIA	A1	PS	PS531
CECIL	A2	SWS	SWS513
POND	A2	PS	PS531
BLANKENSHIP	L1,L2,L3,L4	PS	PS532
CHARCA/PASO ROBLES	WS1,L2,L4	TPSS	TPSS504
DRESSER	WS1	PS	PS533
KIMBERLINA	WS2	PS	PS533
LOS ANGELES	WS1,WS2	PS	PS534
7TH STANDARD	WS1,WS2	SWS	SWS514
SNOWBERRY	B1,B2,B3	PS	PS535
WEST PARK	B1,B2,B3	TPSS	TPSS505
WASHINGTON	B1	PS	PS536
QUANTICO	B2	PS	PS536
EDISON	B3	PS	PS536

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 Z. NAWAED
 DRAWN BY
 K. ZALEC
 CHECKED BY
 B. WILSON
 IN CHARGE
 O. EARLE
 DATE
 05/18/12

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 DESIGN SUBMISSION

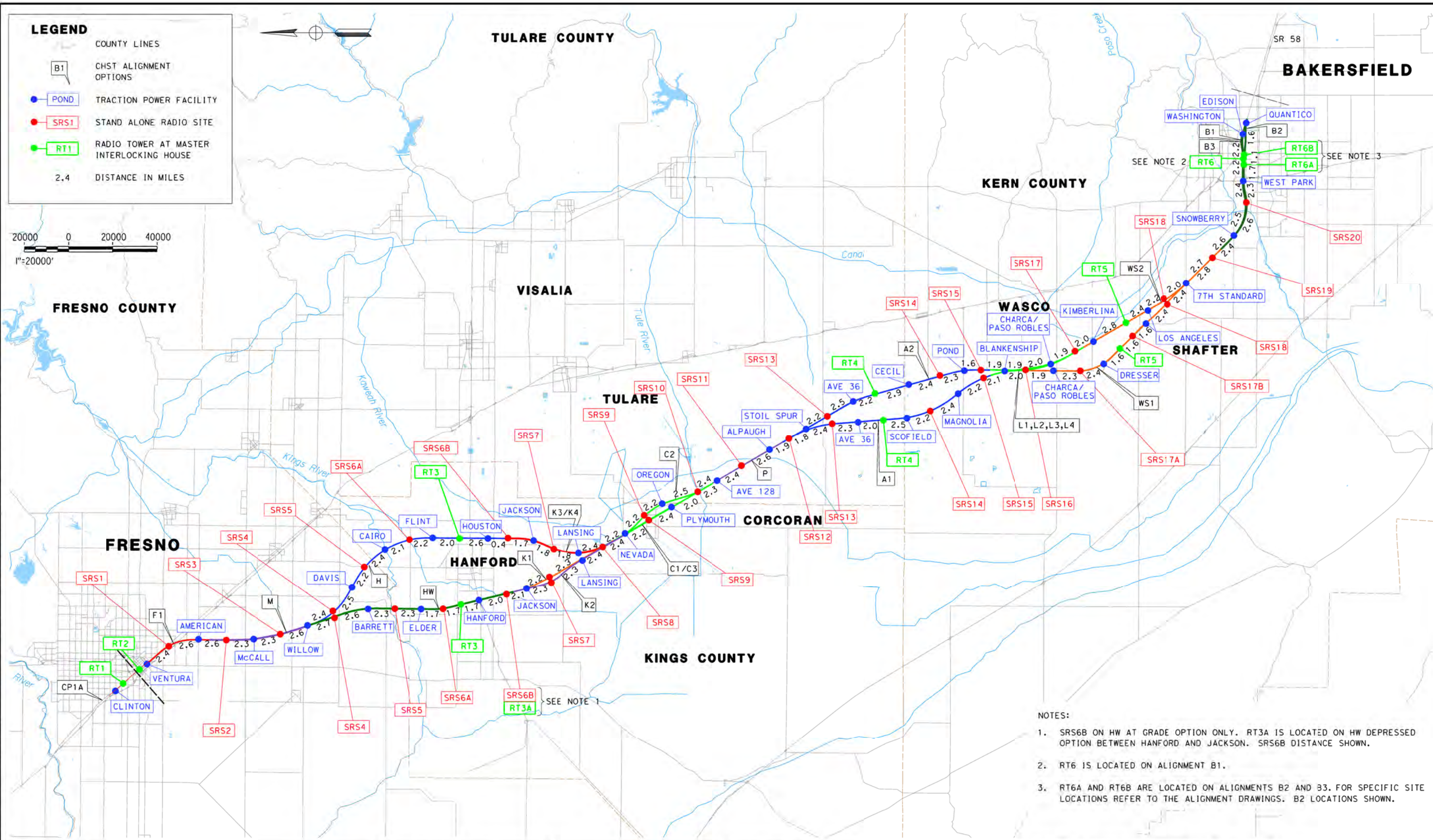
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
BAKERSFIELD TO PALMDALE
 TPSS
 LOCATION MAP

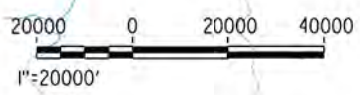
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 HSR 06-0003
 DRAWING NO.
 CB0014
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 SHEET NO.
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LEGEND

- COUNTY LINES
- CHST ALIGNMENT OPTIONS
- POND TRACTION POWER FACILITY
- SRS1 STAND ALONE RADIO SITE
- RT1 RADIO TOWER AT MASTER INTERLOCKING HOUSE
- 2.4 DISTANCE IN MILES



- NOTES:**
- SRS6B ON HW AT GRADE OPTION ONLY. RT3A IS LOCATED ON HW DEPRESSED OPTION BETWEEN HANFORD AND JACKSON. SRS6B DISTANCE SHOWN.
 - RT6 IS LOCATED ON ALIGNMENT B1.
 - RT6A AND RT6B ARE LOCATED ON ALIGNMENTS B2 AND B3. FOR SPECIFIC SITE LOCATIONS REFER TO THE ALIGNMENT DRAWINGS. B2 LOCATIONS SHOWN.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
Z. NAWOED
 DRAWN BY
K. ZALEC
 CHECKED BY
B. WILSON
 IN CHARGE
O. EARLE
 DATE
05/18/12

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DESIGN SUBMISSION**

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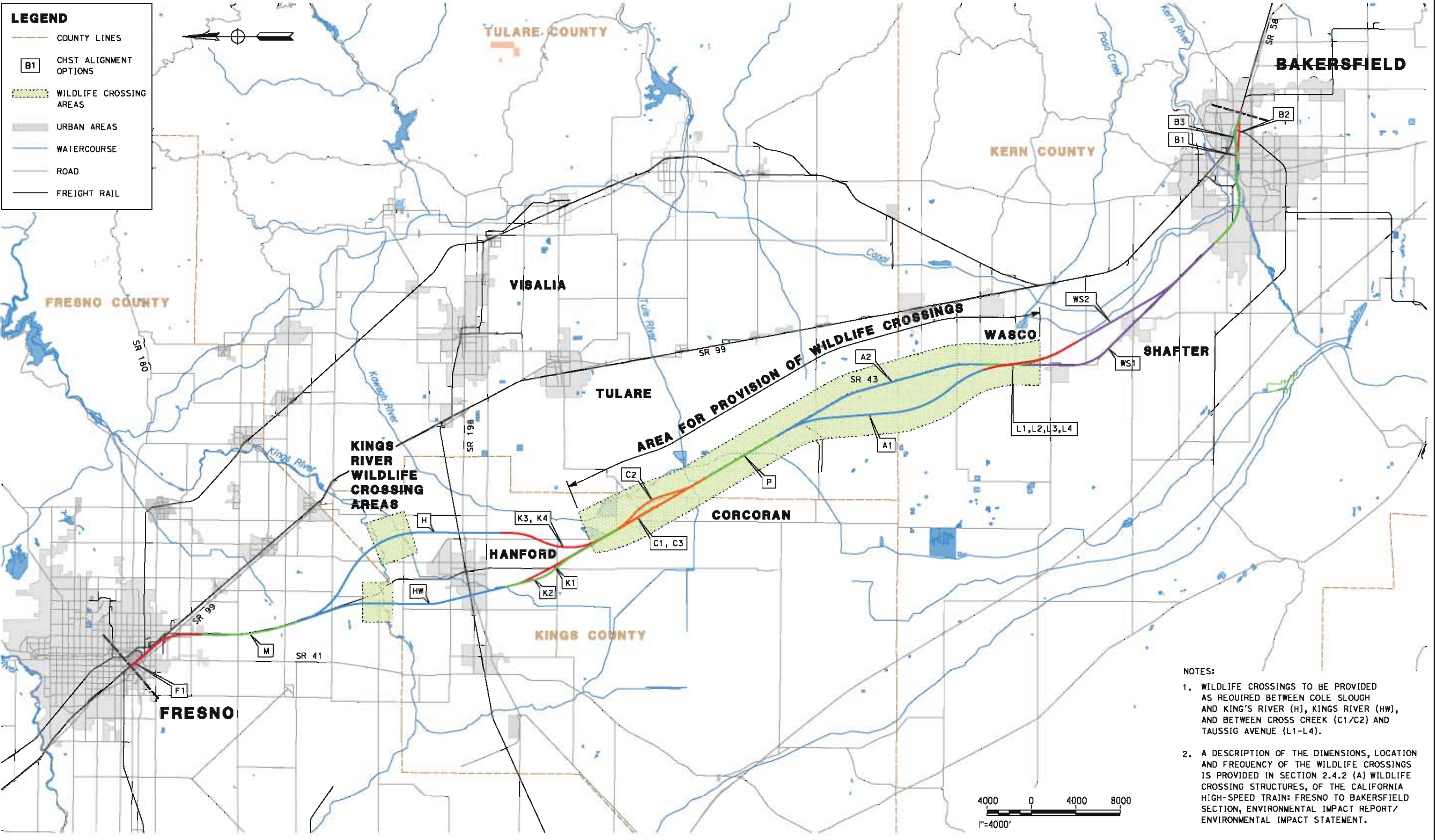
CALIFORNIA HIGH-SPEED TRAIN PROJECT
BAKERSFIELD TO PALMDALE
 COMMUNICATIONS RADIO SITES
 LOCATION MAP

CONTRACT NO.
HSR 06-0003
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CB0015
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LEGEND

- COUNTY LINES
- B1 CHST ALIGNMENT OPTIONS
- WILDLIFE CROSSING AREAS
- URBAN AREAS
- WATERCOURSE
- ROAD
- FREIGHT RAIL



- NOTES:**
1. WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN COLE SLOUGH AND KING'S RIVER (H), KINGS RIVER (HW), AND BETWEEN CROSS CREEK (C1/C2) AND TAUSSIG AVENUE (L1-L4).
 2. A DESCRIPTION OF THE DIMENSIONS, LOCATION AND FREQUENCY OF THE WILDLIFE CROSSINGS IS PROVIDED IN SECTION 2.4.2 (A) WILDLIFE CROSSING STRUCTURES, OF THE CALIFORNIA HIGH-SPEED TRAIN: FRESNO TO BAKERSFIELD SECTION, ENVIRONMENTAL IMPACT REPORT/ ENVIRONMENTAL IMPACT STATEMENT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

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

WILDLIFE CROSSINGS
LOCATION MAP

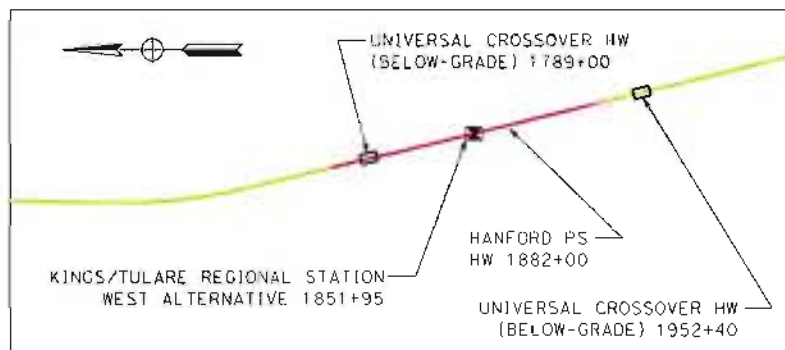
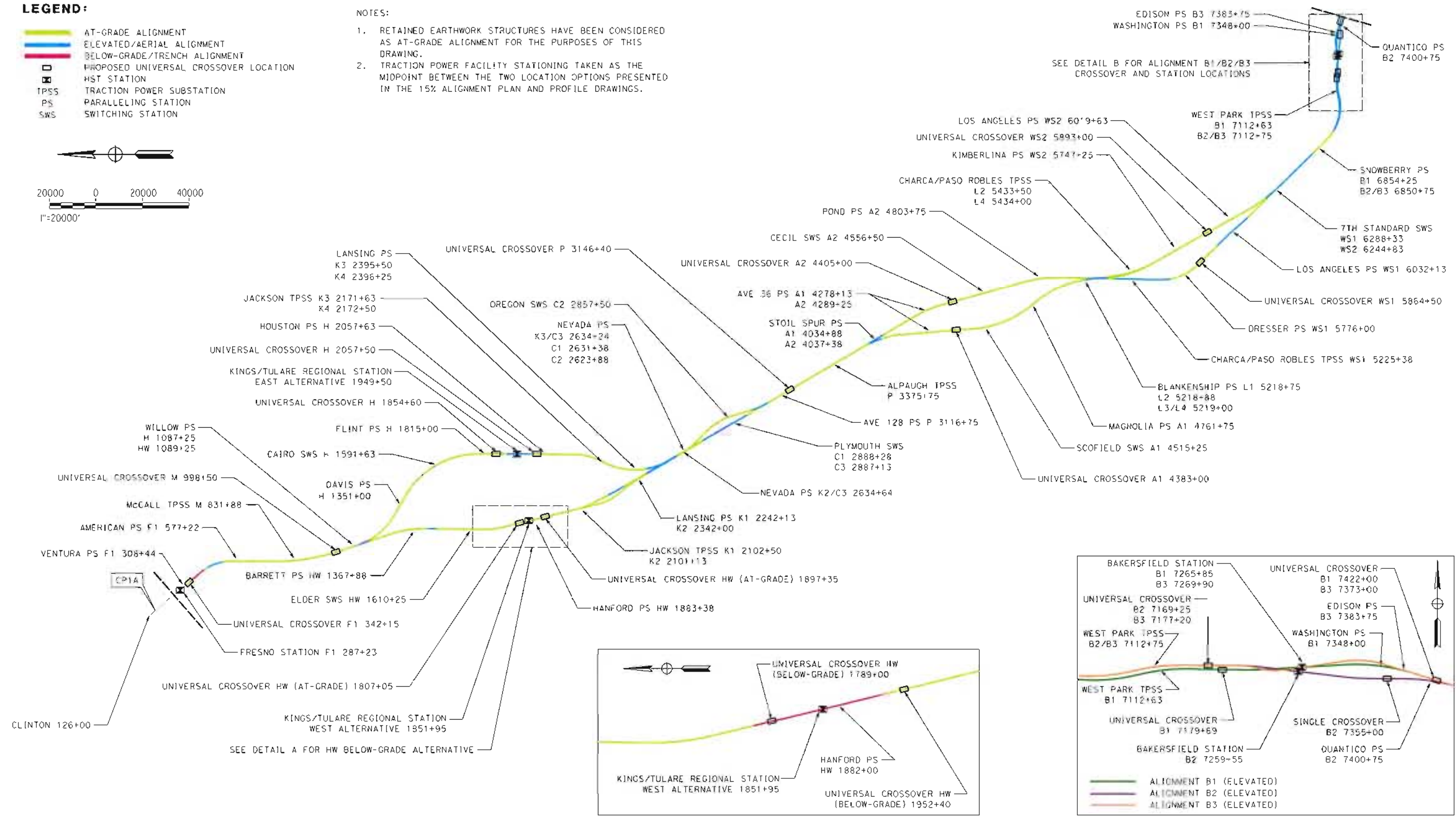
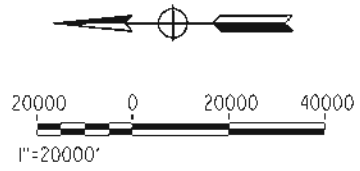
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CB0016
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15 OF 16

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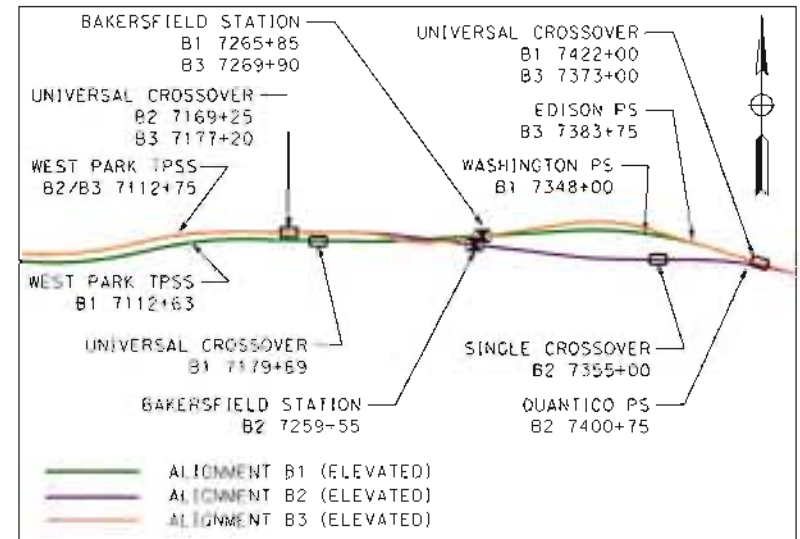
- AT-GRADE ALIGNMENT
- ELEVATED/AERIAL ALIGNMENT
- BELOW-GRADE/TRENCH ALIGNMENT
- PROPOSED UNIVERSAL CROSSOVER LOCATION
- HST STATION
- TPSS
- TRACTION POWER SUBSTATION
- PS
- PARALLELING STATION
- SWS
- SWITCHING STATION

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.



DETAIL A
HANFORD WEST BELOW-GRADE ALTERNATIVE
1"=10000'



DETAIL B
ALIGNMENT B1/B2/B3 CROSSOVER AND STATION LOCATIONS
1"=10000'

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
Z. NAWIED

DRAWN BY
J. SCHNURBUSCH

CHECKED BY
B. WILSON

IN CHARGE
O. EARLE

DATE
05/18/12

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
BAKERSFIELD TO PALMDALE
TRACTION POWER FACILITY, CROSSOVER & STATION
LOCATION EXHIBIT

CONTRACT NO.
HSR 06-0003

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CB0017

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LEGEND

- +—+—+ EXISTING FREIGHT RAILROAD
- PROPOSED CHST

3000 0 3000 6000
1"=3000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

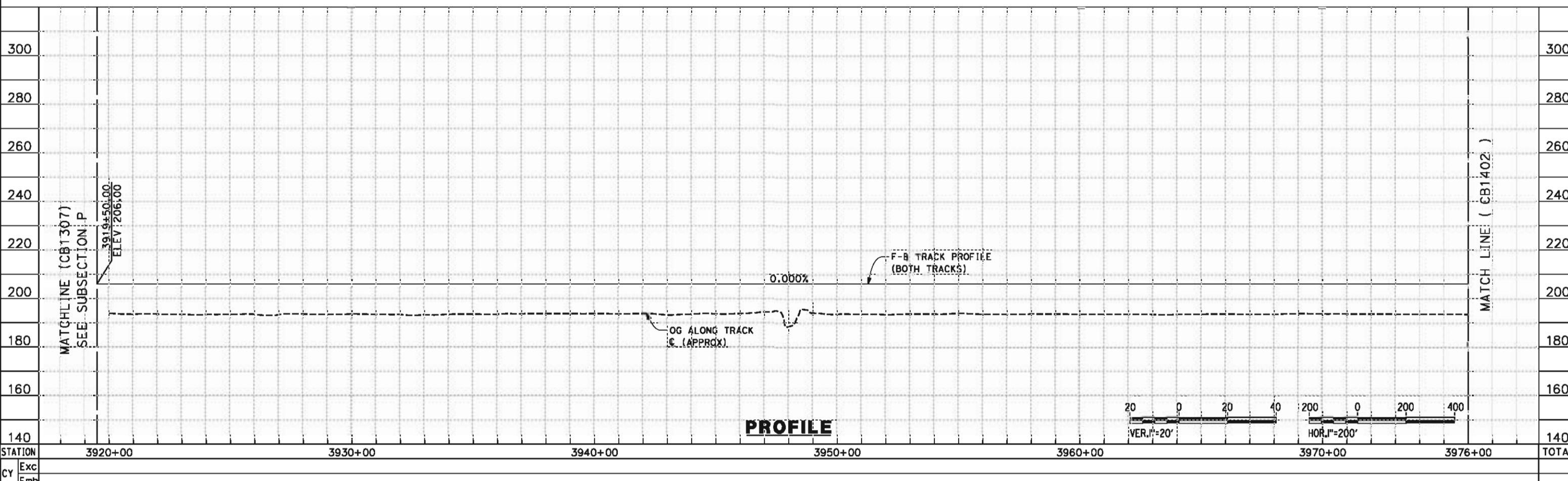
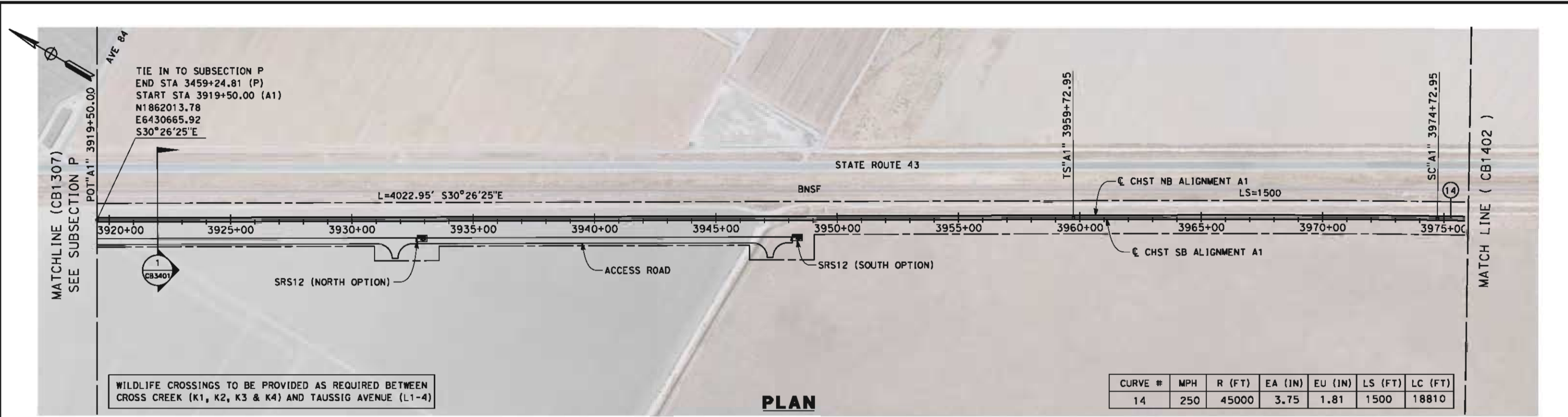
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 3919+50 TO 4926+16
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1400
SCALE
AS SHOWN
SHEET NO.
1 OF 2

5/14/2012 5:31:39 PM \\global\amer\cas\Jobs\AS-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A1\FB-CB-1401-A1.dgn paul.fankin




STATION	3920+00	3930+00	3940+00	3950+00	3960+00	3970+00	3976+00	TOTAL
Exc								
Emb								

DESIGNED BY: G. MEJIA
 DRAWN BY: J. REILLY
 CHECKED BY: J. LANGHAM
 IN CHARGE: R. COFFIN
 DATE: 05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

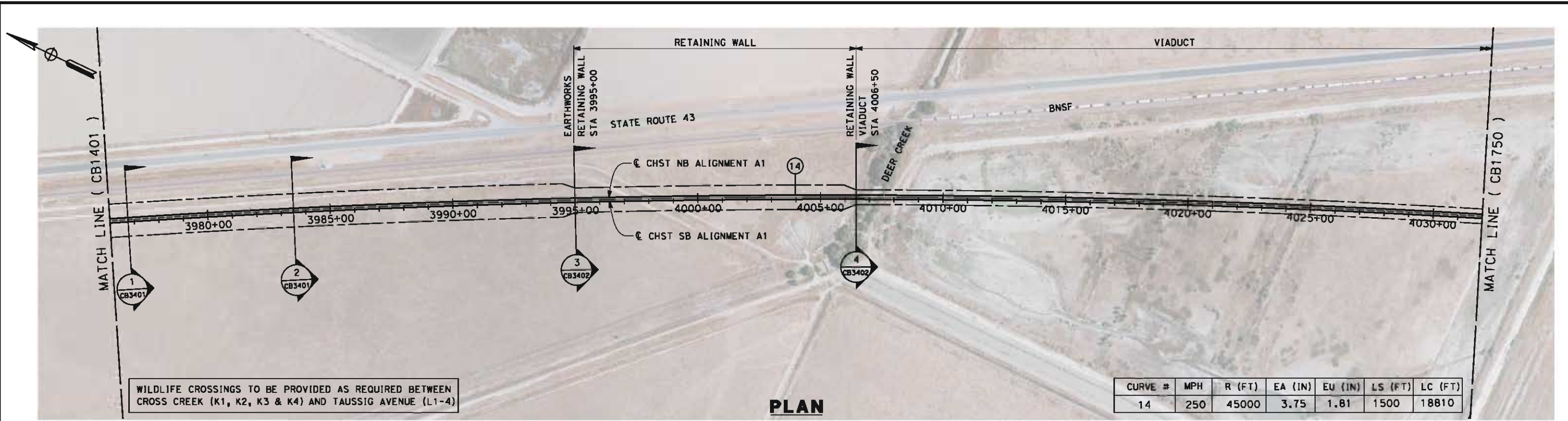
URS | HMM | ARUP



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 ALLENSWORTH BYPASS SUBSECTION
 ALIGNMENT A1
 STA. 3919+50 TO 3976+00
 PLAN AND PROFILE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1401
SCALE	AS SHOWN
SHEET NO.	2 OF 21

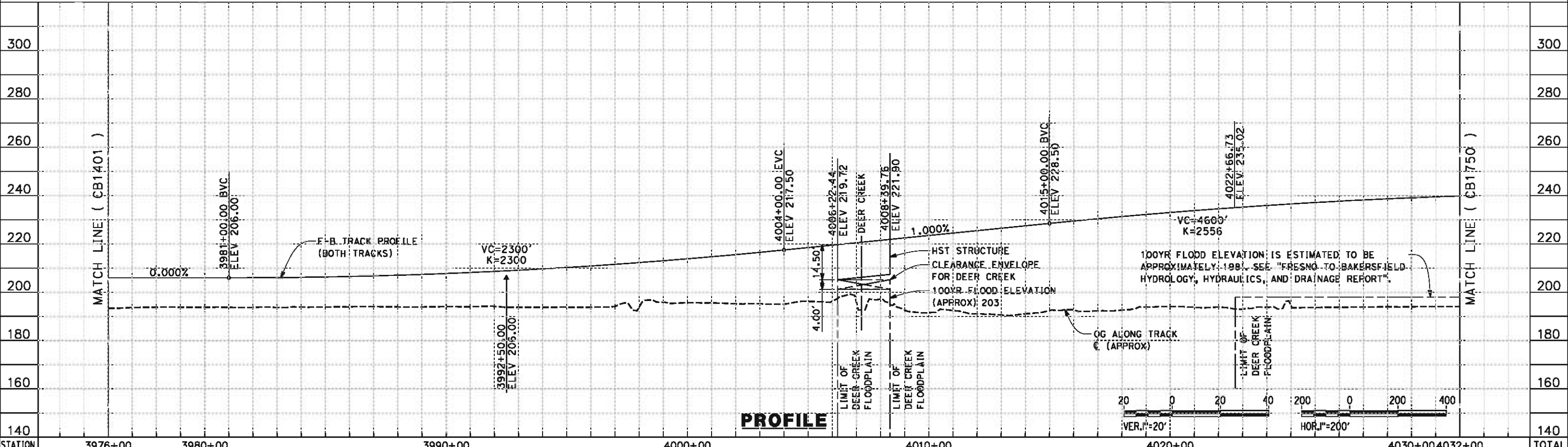
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
14	250	45000	3.75	1.81	1500	18810

PLAN



PROFILE

STATION	3976+00	3980+00	3990+00	4000+00	4010+00	4020+00	4030+00	4032+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb							
REV	DATE	BY	CHK	APP	DESCRIPTION				

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

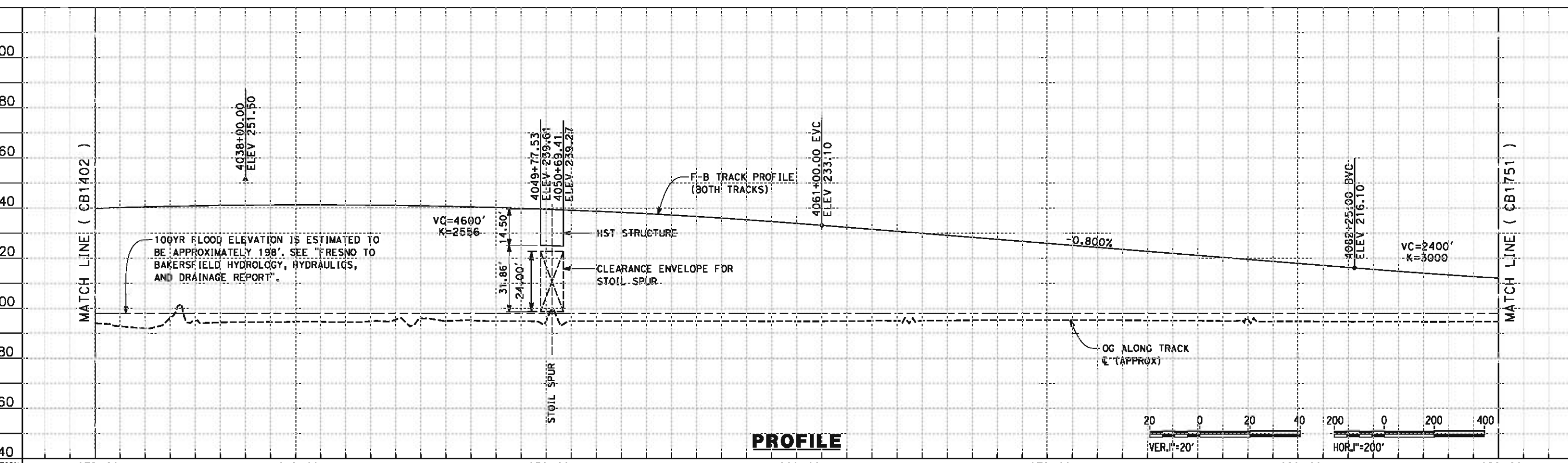
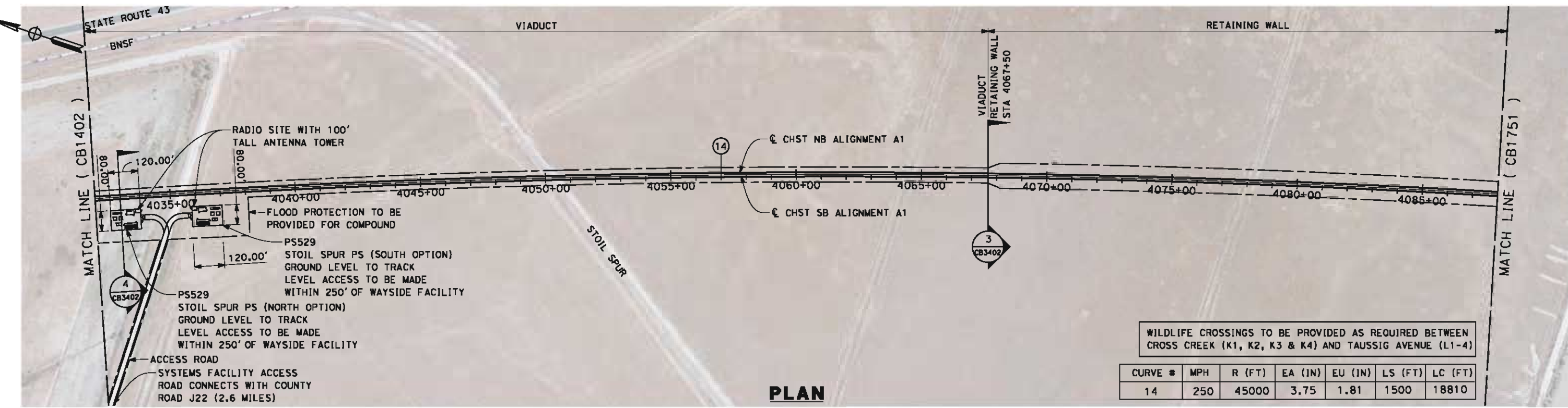
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 3976+00 TO 4032+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1402
SCALE
AS SHOWN
SHEET NO.
3 OF 21

5/15/2012 12:09:53 PM \\global\amer\cas\jabs\AS-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A1\FB-CB-1750-A1.dgn david.hunt



STATION	4032+00	4040+00	4050+00	4060+00	4070+00	4080+00	4088+00	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
J. REILLY
 CHECKED BY
J. LANGHAM
 IN CHARGE
R. COFFIN
 DATE
05/18/12

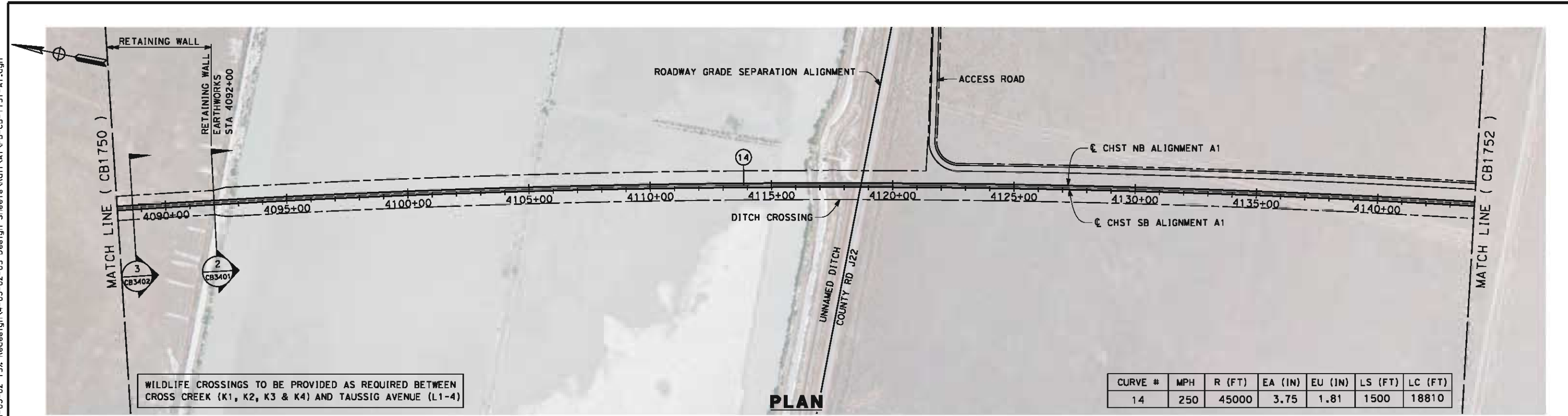
RECORD SET 15%
DESIGN SUBMISSION
 NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 ALLENSWORTH BYPASS SUBSECTION
 ALIGNMENT A1
 STA. 4032+00 TO 4088+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1750
 SCALE
AS SHOWN
 SHEET NO.
4 OF 21

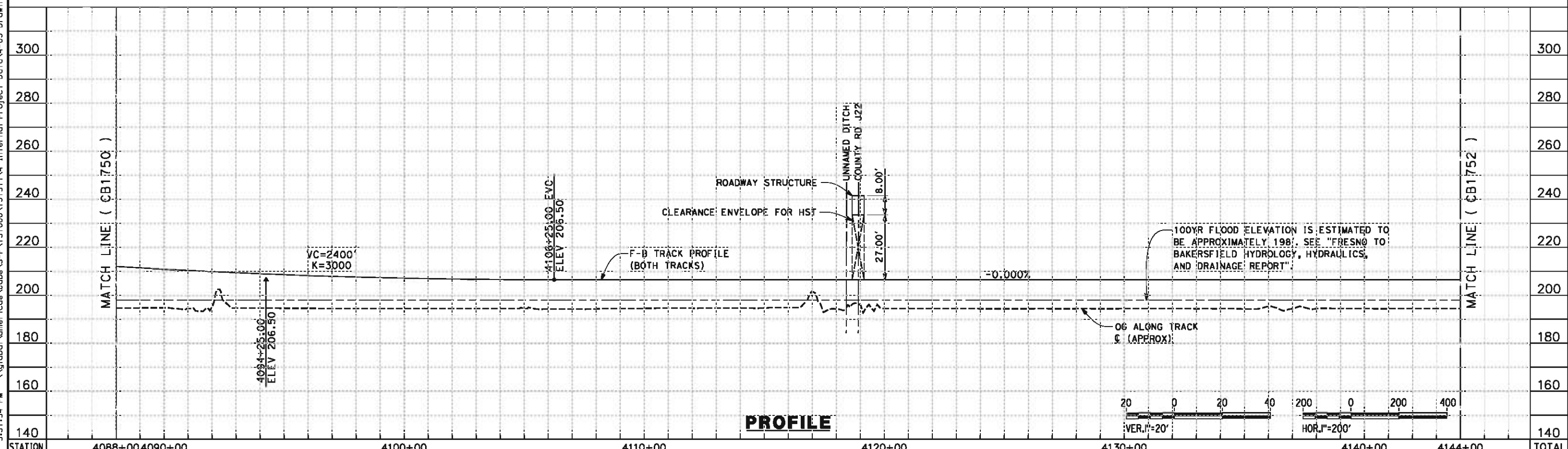
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
14	250	45000	3.75	1.81	1500	18810

PLAN



PROFILE

STATION	4088+00	4090+00	4100+00	4110+00	4120+00	4130+00	4140+00	4144+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

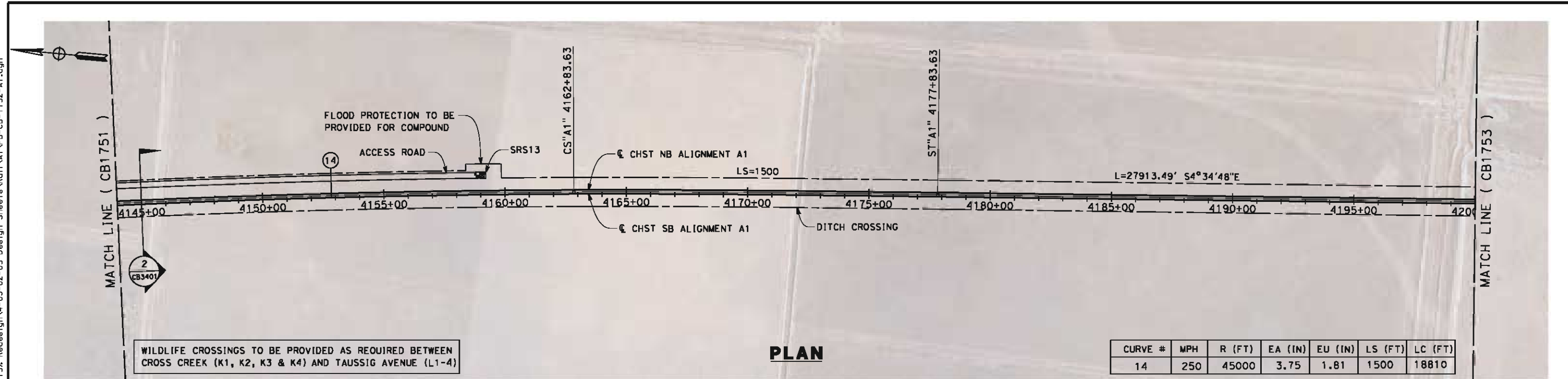
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CONSTRUCTION**



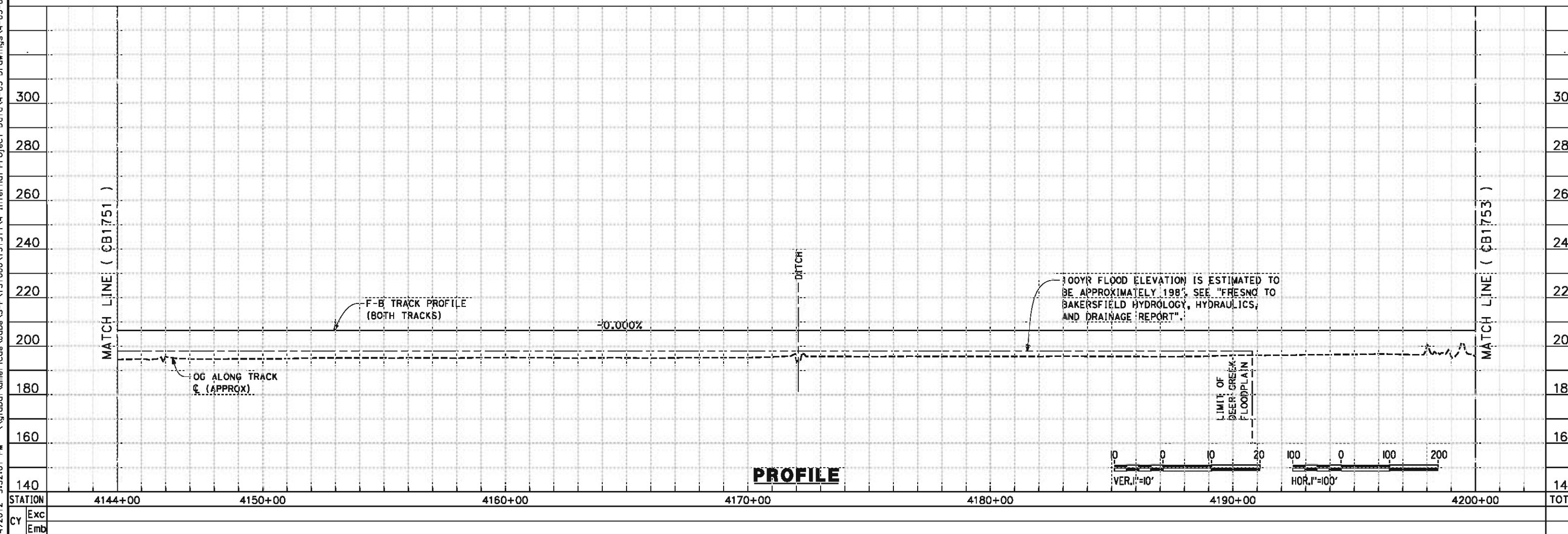
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4088+00 TO 4144+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1751
SCALE
AS SHOWN
SHEET NO.
5 OF 21

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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

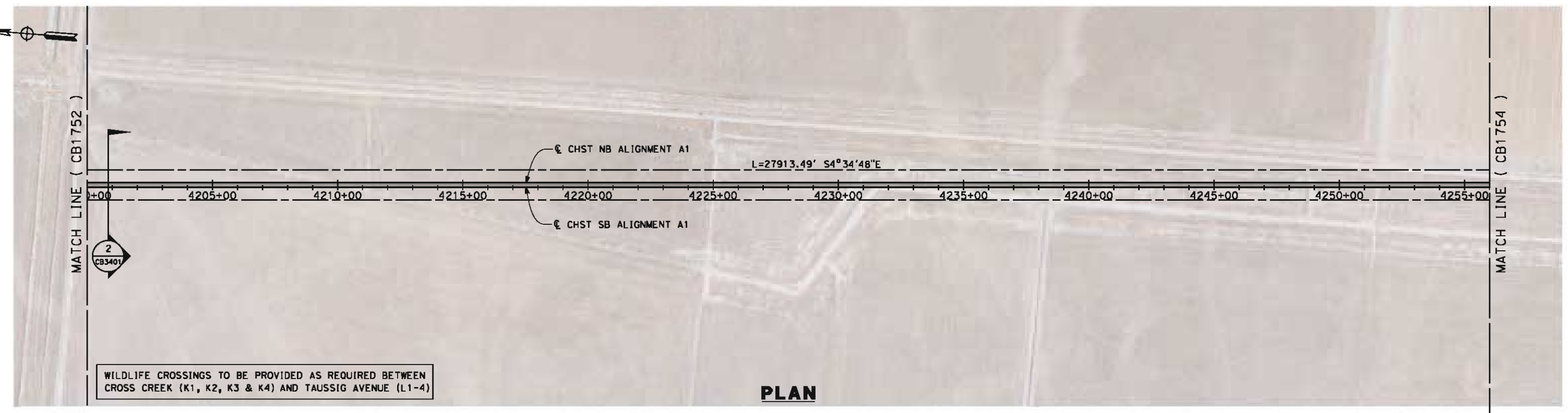
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4144+00 TO 4200+00
PLAN AND PROFILE

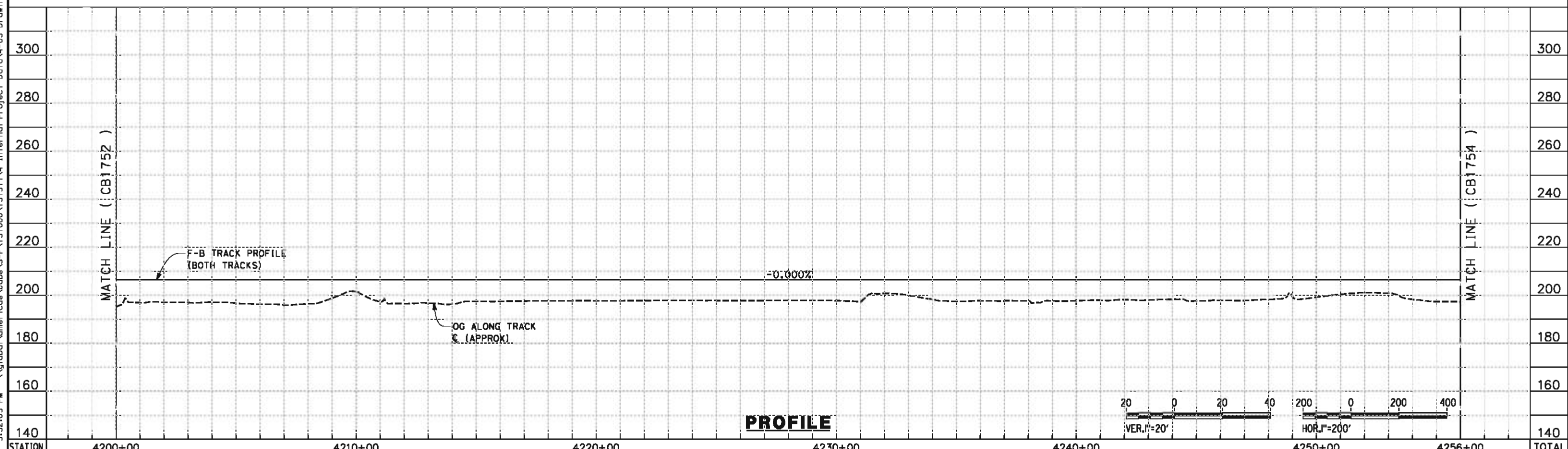
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SCALE
AS SHOWN
SHEET NO.
6 OF 21

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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	4200+00	4210+00	4220+00	4230+00	4240+00	4250+00	4256+00	TOTAL
Exc								
Emb								

DESIGNED BY	G. MEJIA
DRAWN BY	J. REILLY
CHECKED BY	J. LANGHAM
IN CHARGE	R. COFFIN
DATE	05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

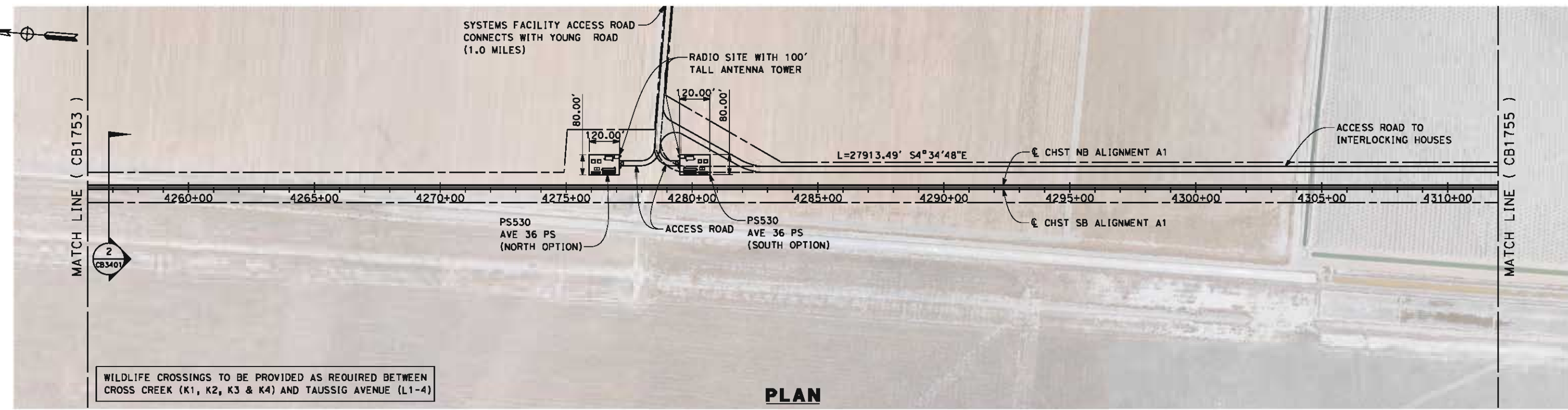
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 ALLENSWORTH BYPASS SUBSECTION
 ALIGNMENT A1
 STA. 4200+00 TO 4256+00
 PLAN AND PROFILE

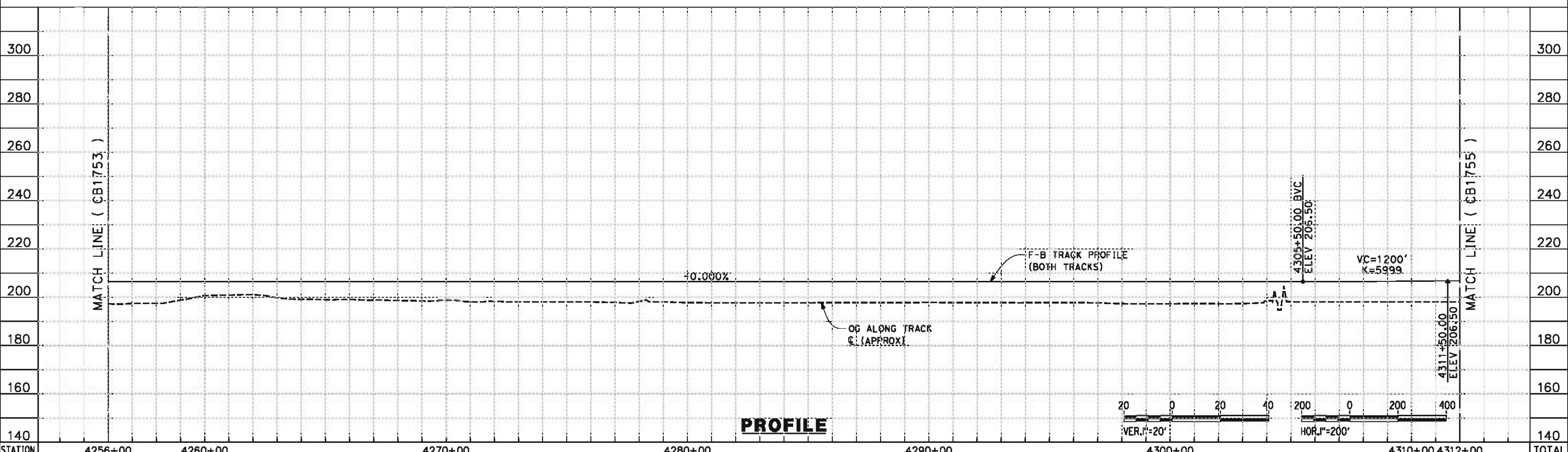
CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1753
SCALE	AS SHOWN
SHEET NO.	7 OF 21

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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	4256+00	4260+00	4270+00	4280+00	4290+00	4300+00	4310+00	4312+00	TOTAL
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CY	Exc								Emb
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DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

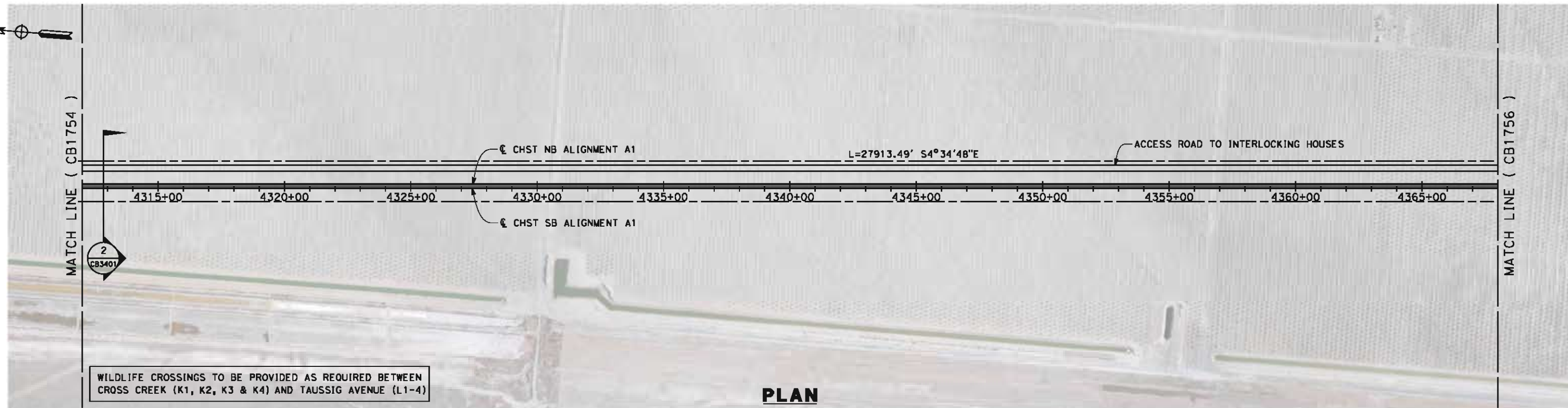


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4256+00 TO 4312+00
PLAN AND PROFILE

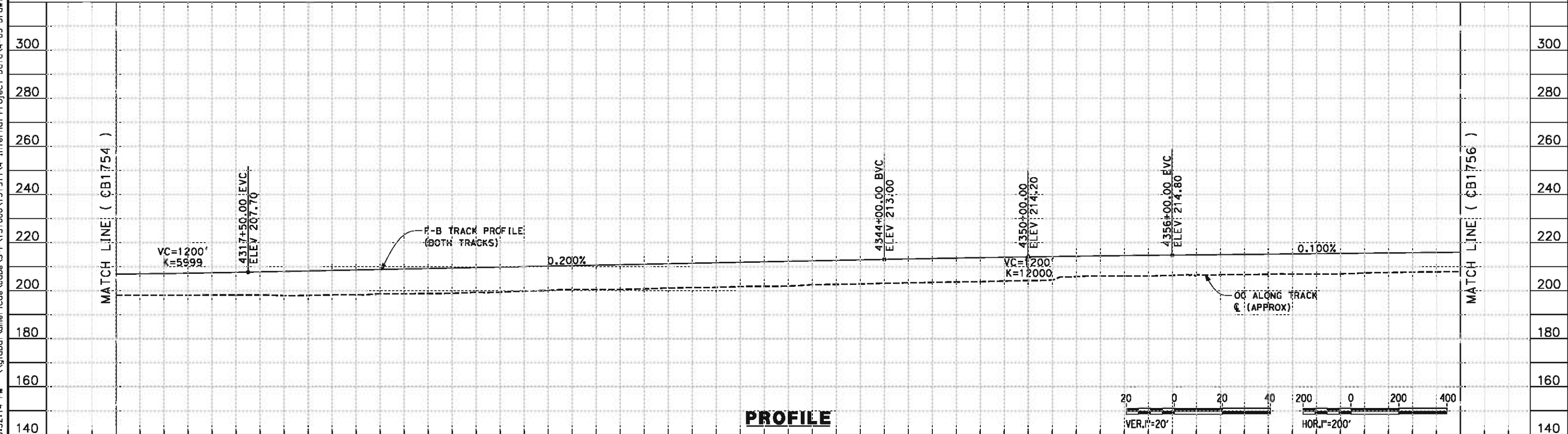
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1754
SCALE
AS SHOWN
SHEET NO.
8 OF 21

REV	DATE	BY	CHK	APP	DESCRIPTION

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PLAN



PROFILE

STATION	4312+00	4320+00	4330+00	4340+00	4350+00	4360+00	4368+00	TOTAL
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CY	Exc	Emb						
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

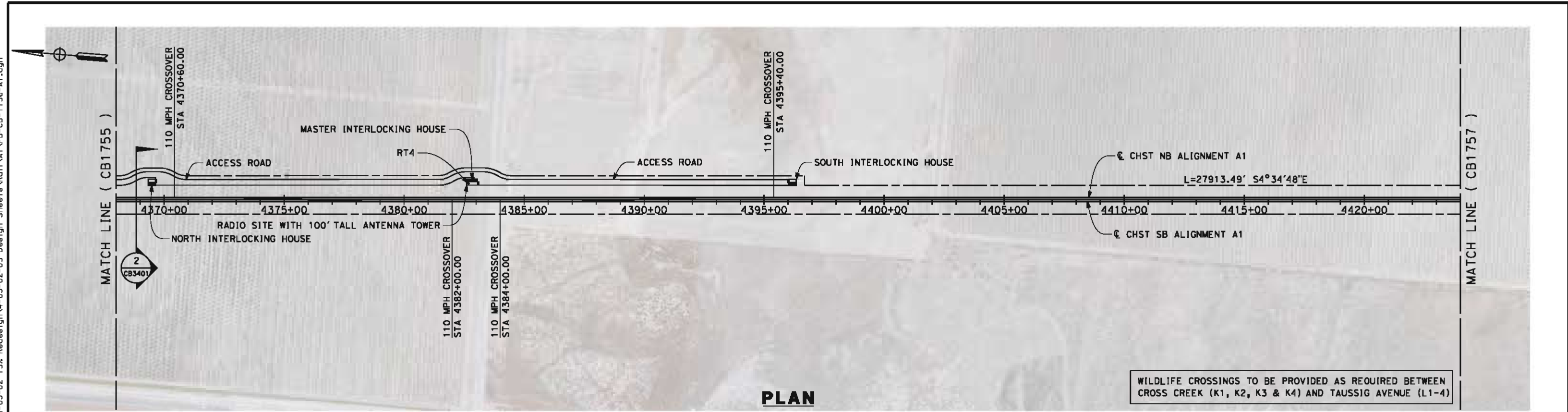
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CONSTRUCTION**



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

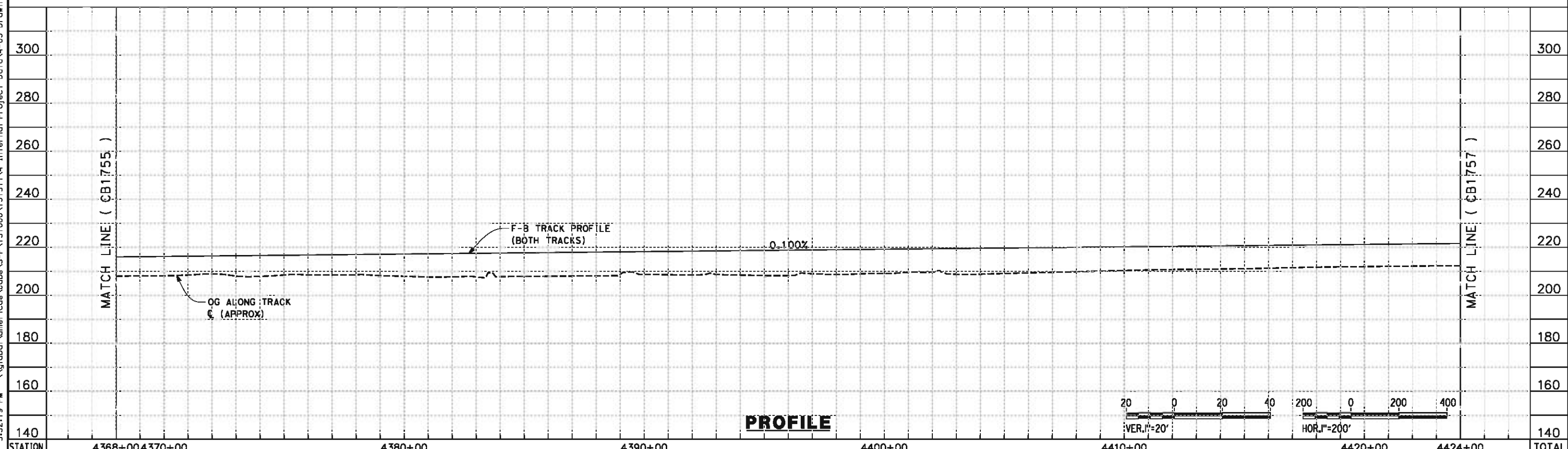
CONTRACT NO.
HSR 06-0003
DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.
9 OF 21

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PLAN

WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)



PROFILE

STATION	4368+00	4370+00	4380+00	4390+00	4400+00	4410+00	4420+00	4424+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

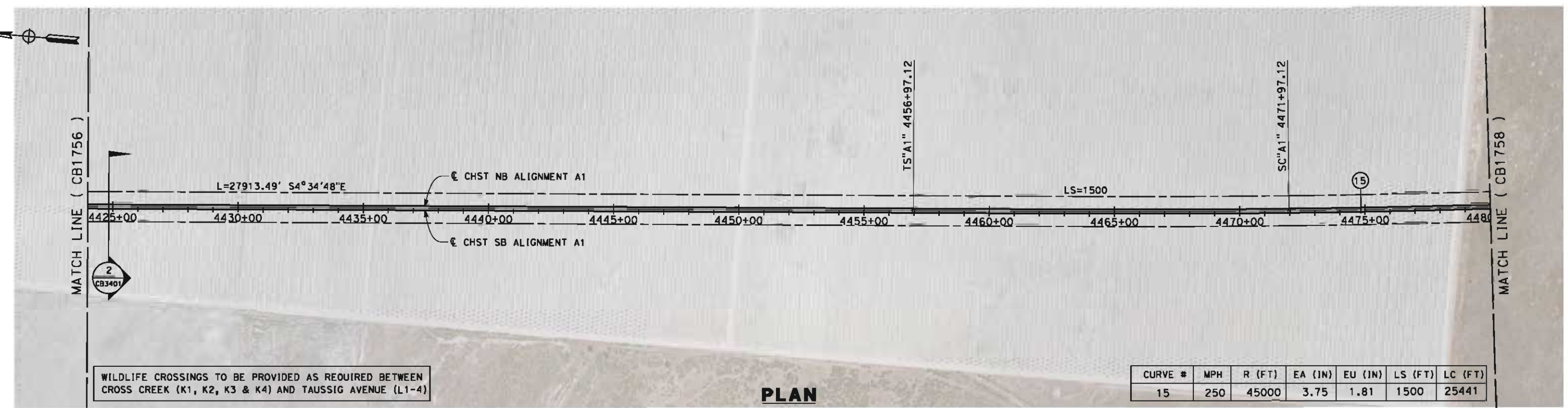
**NOT FOR
CONSTRUCTION**



**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
SCALE
AS SHOWN
SHEET NO.
10 OF 21

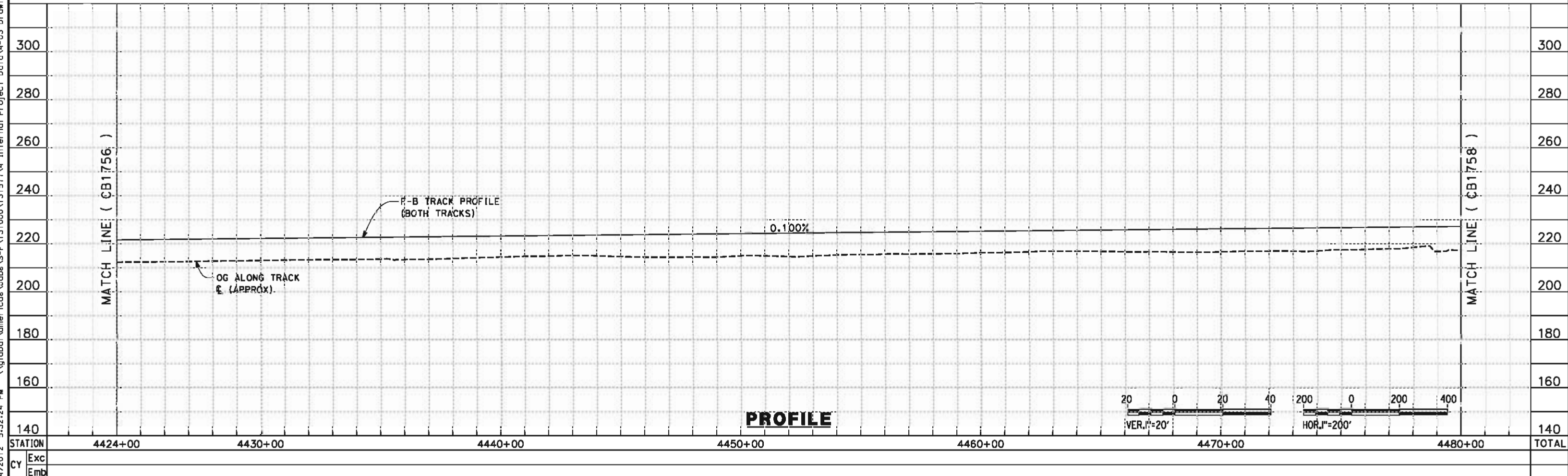
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
15	250	45000	3.75	1.81	1500	25441

PLAN



PROFILE



STATION	4424+00	4430+00	4440+00	4450+00	4460+00	4470+00	4480+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

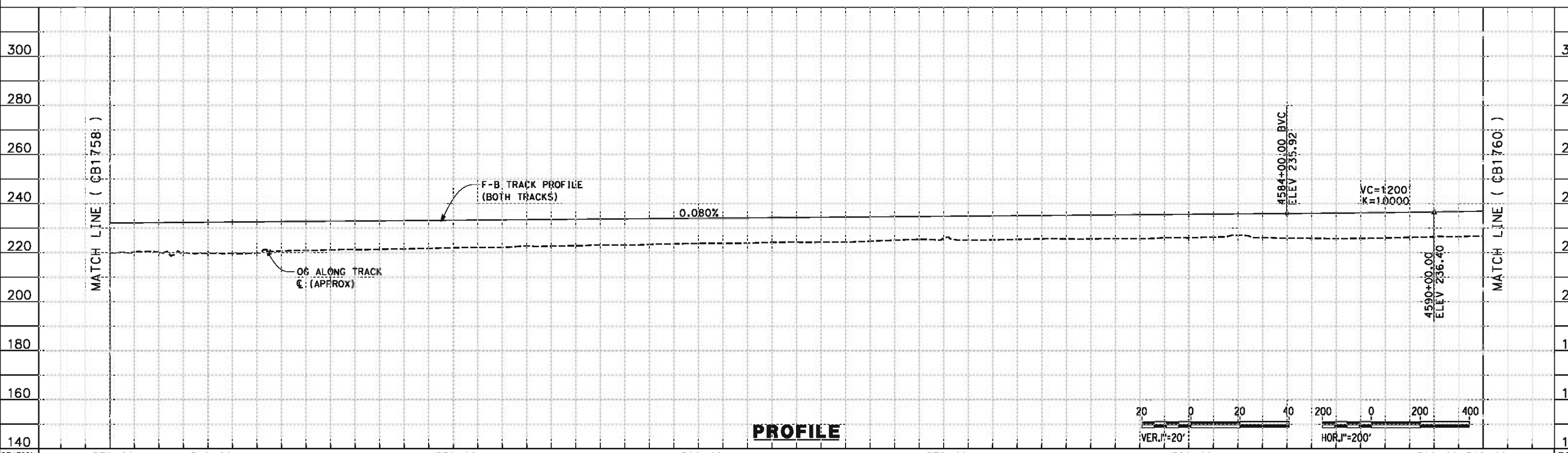
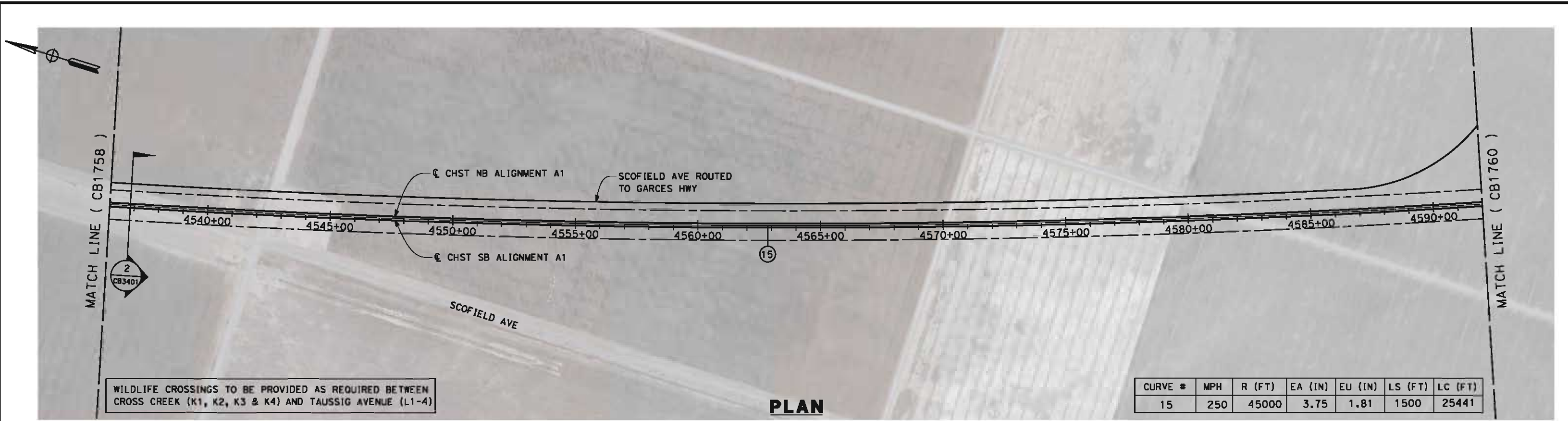
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4424+00 TO 4480+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1757
SCALE
AS SHOWN
SHEET NO.
11 OF 21

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STATION	4536+00	4540+00	4550+00	4560+00	4570+00	4580+00	4590+00	4592+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
J. LANGHAM

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4536+00 TO 4592+00
PLAN AND PROFILE

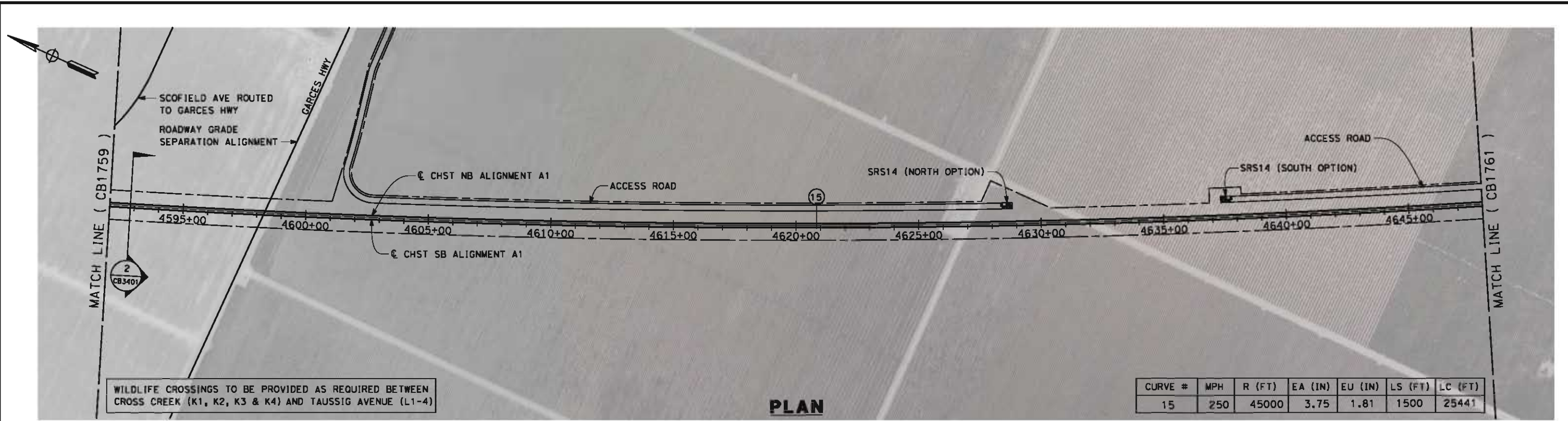
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1759

SCALE
AS SHOWN

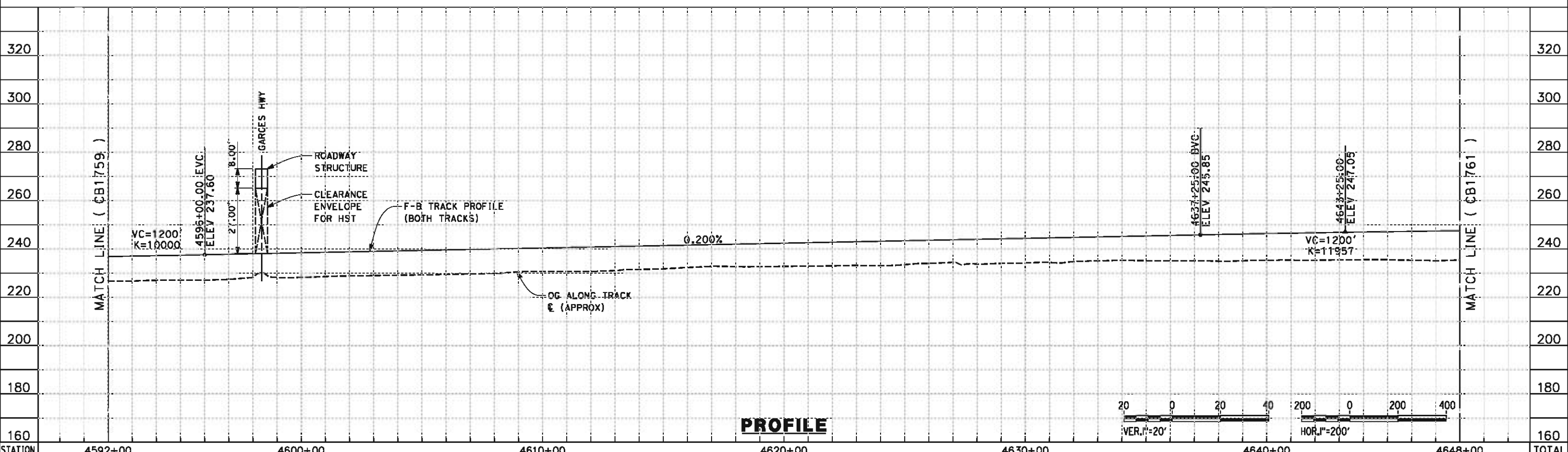
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	4592+00	4600+00	4610+00	4620+00	4630+00	4640+00	4648+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

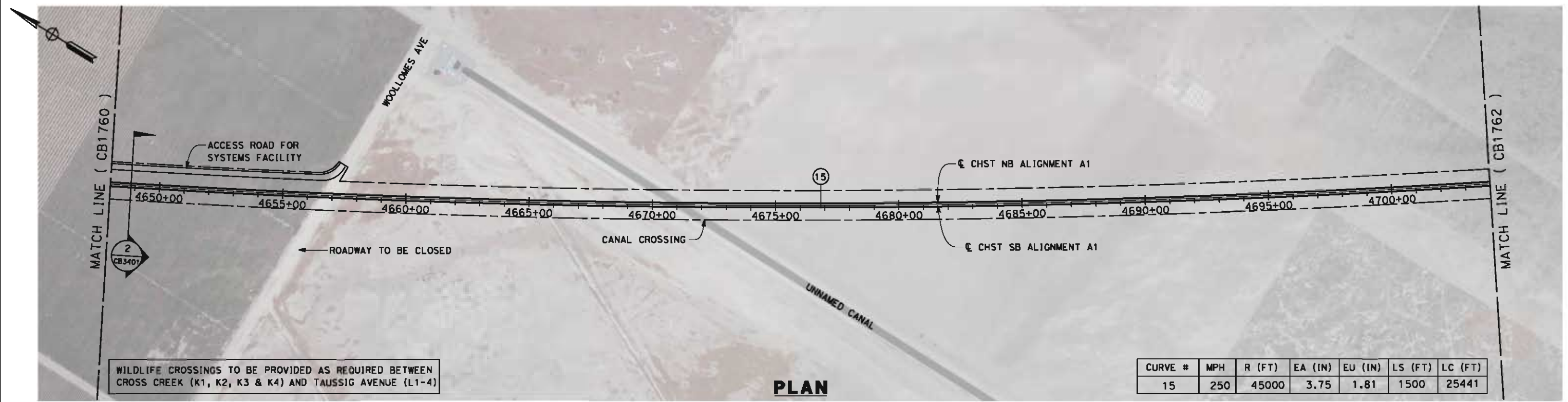
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4592+00 TO 4648+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1760
SCALE
AS SHOWN
SHEET NO.
14 OF 21

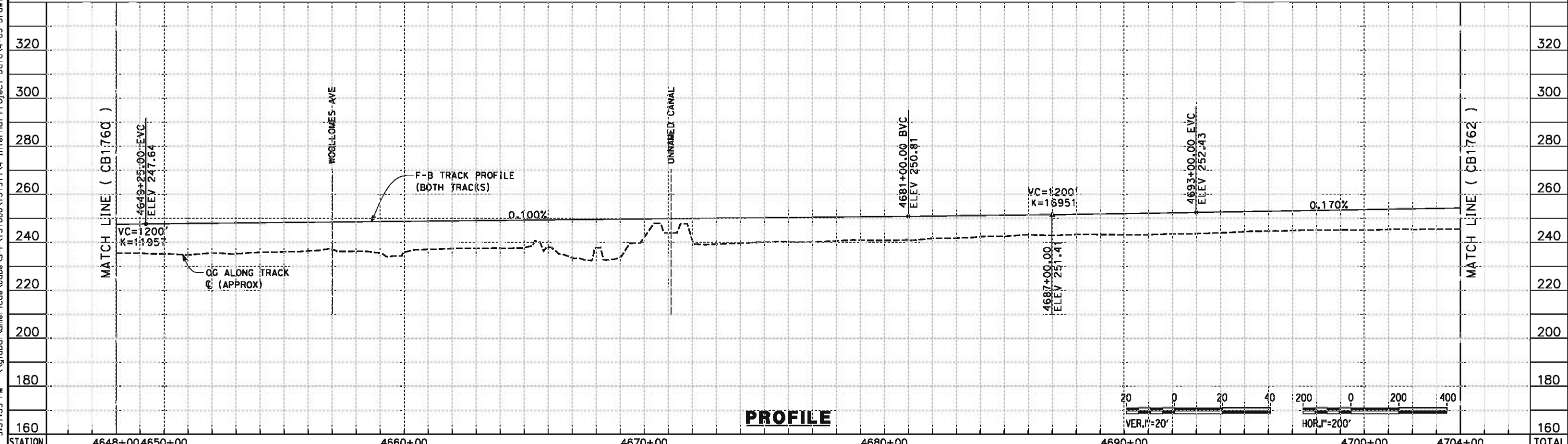
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
15	250	45000	3.75	1.81	1500	25441

PLAN



PROFILE

STATION	4648+00	4650+00	4660+00	4670+00	4680+00	4690+00	4700+00	4704+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	---------	-------

Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

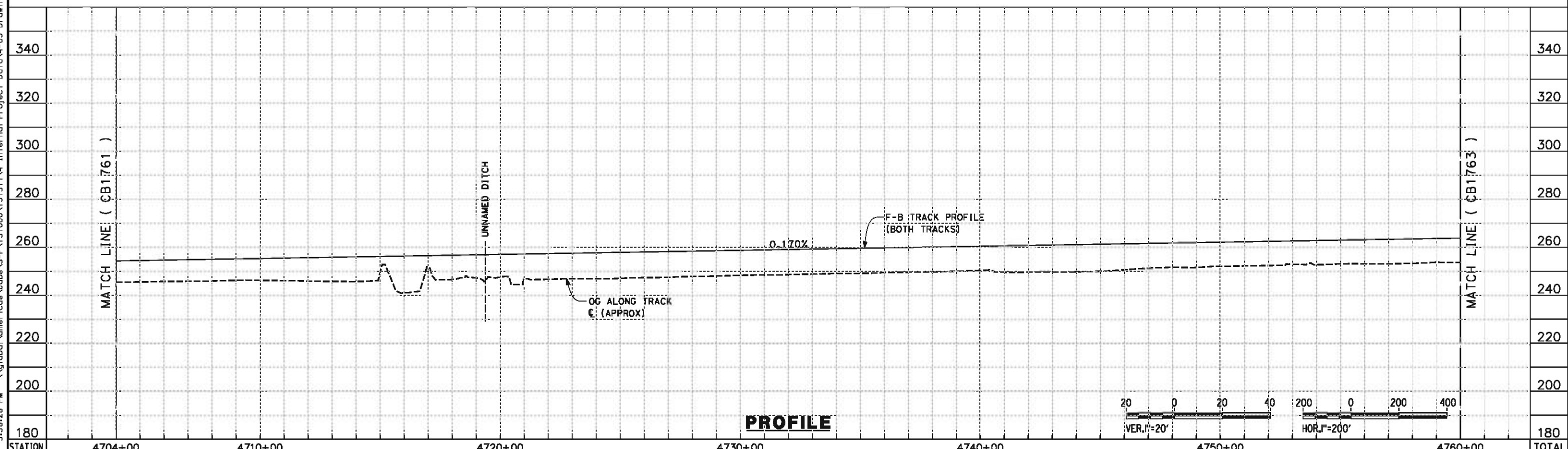
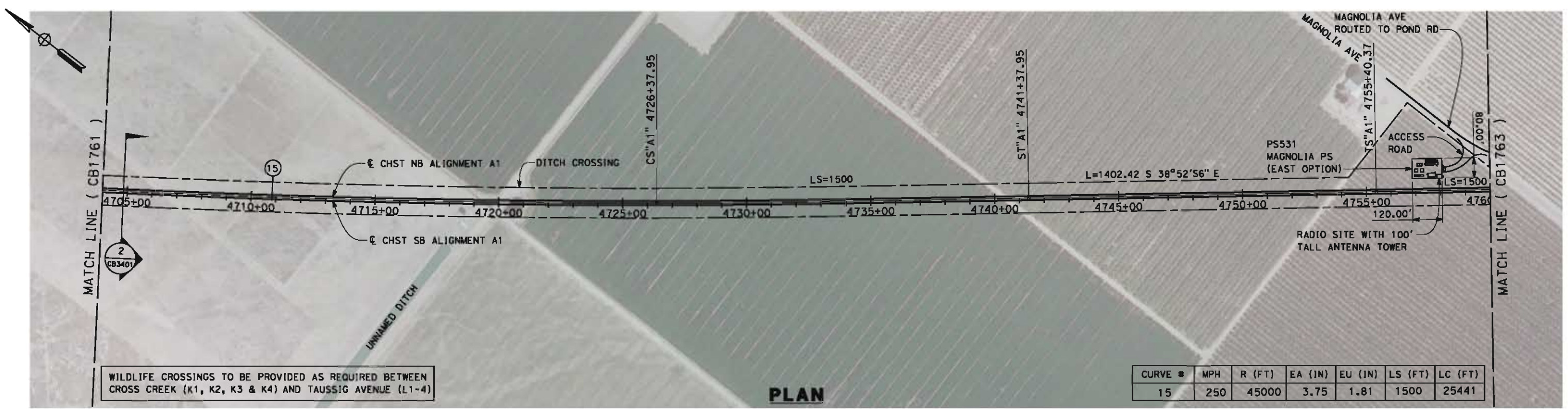
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4648+00 TO 4704+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1761
SCALE
AS SHOWN
SHEET NO.
15 OF 21

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STATION	4704+00	4710+00	4720+00	4730+00	4740+00	4750+00	4760+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

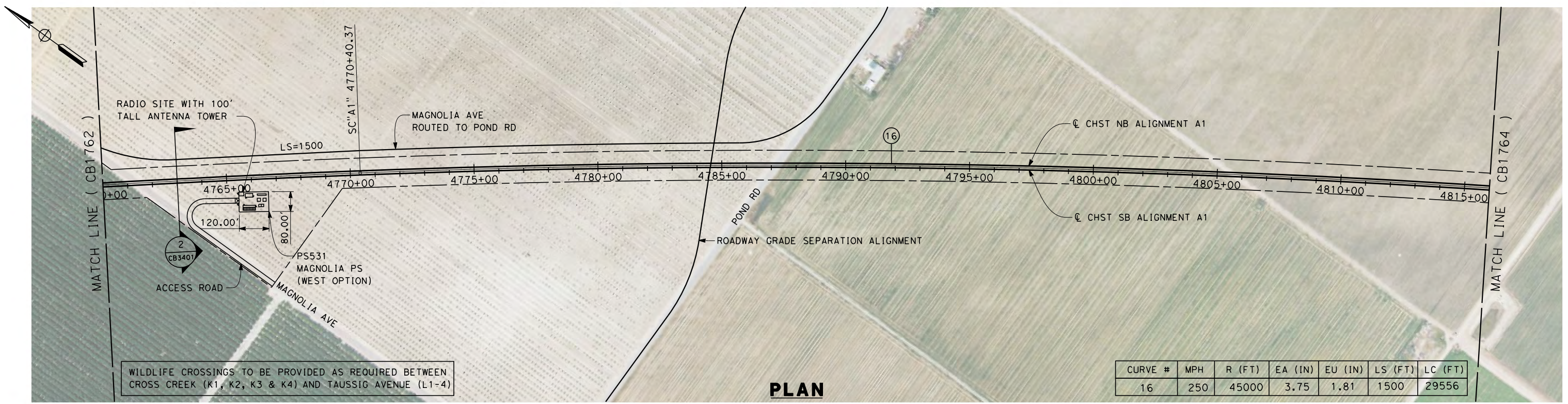
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4704+00 TO 4760+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1762
SCALE
AS SHOWN
SHEET NO.
16 OF 21

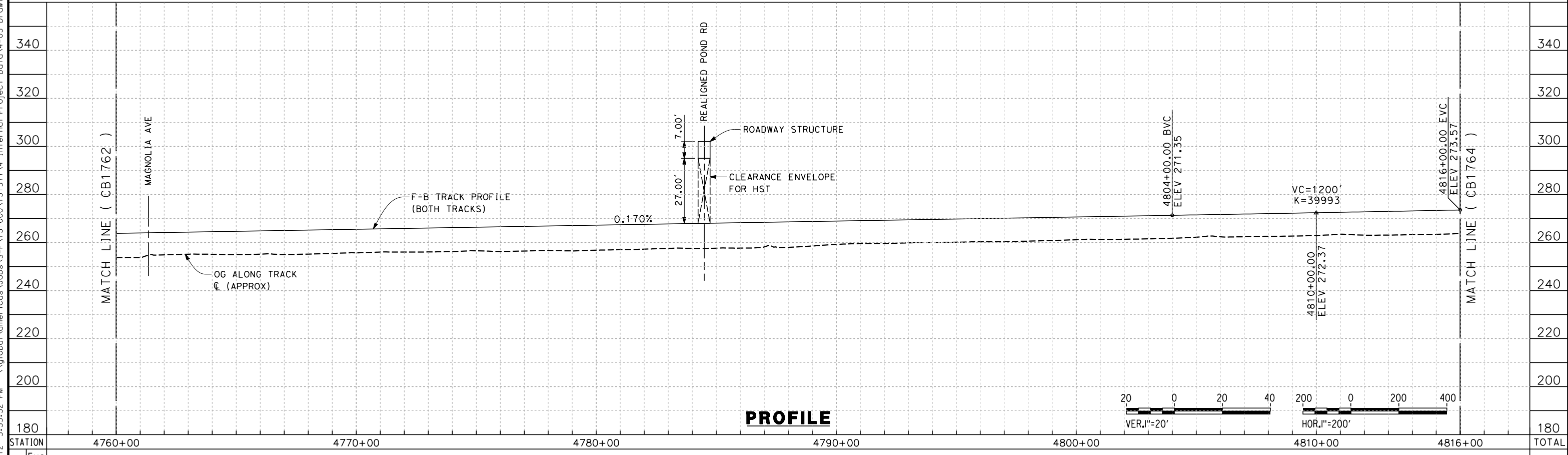
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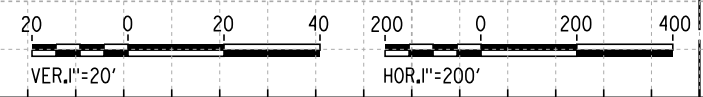
WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
16	250	45000	3.75	1.81	1500	29556

PLAN



PROFILE



STATION	4760+00	4770+00	4780+00	4790+00	4800+00	4810+00	4816+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4760+00 TO 4816+00
PLAN AND PROFILE

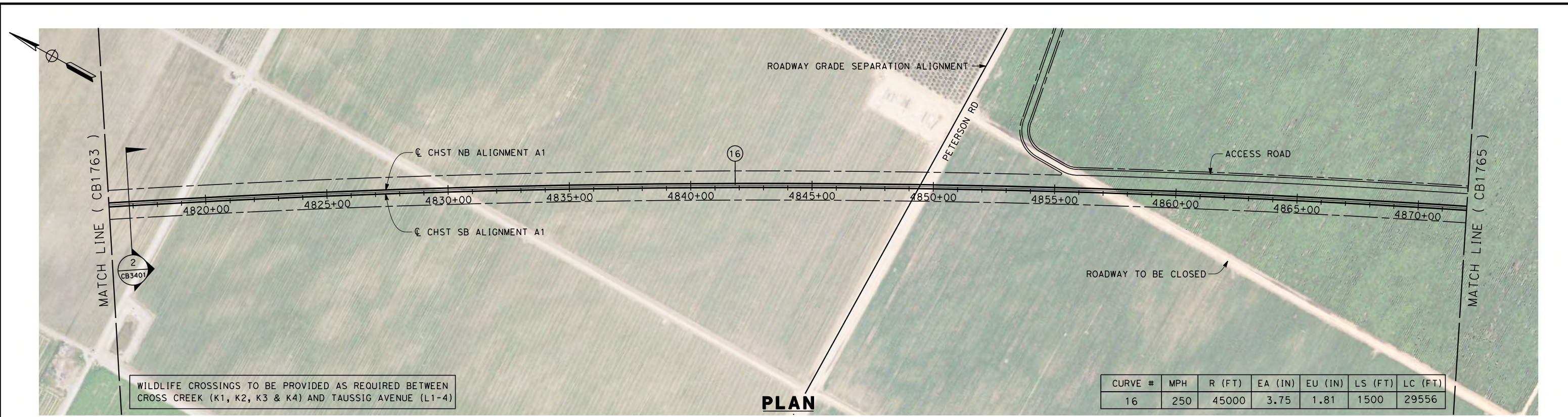
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1763

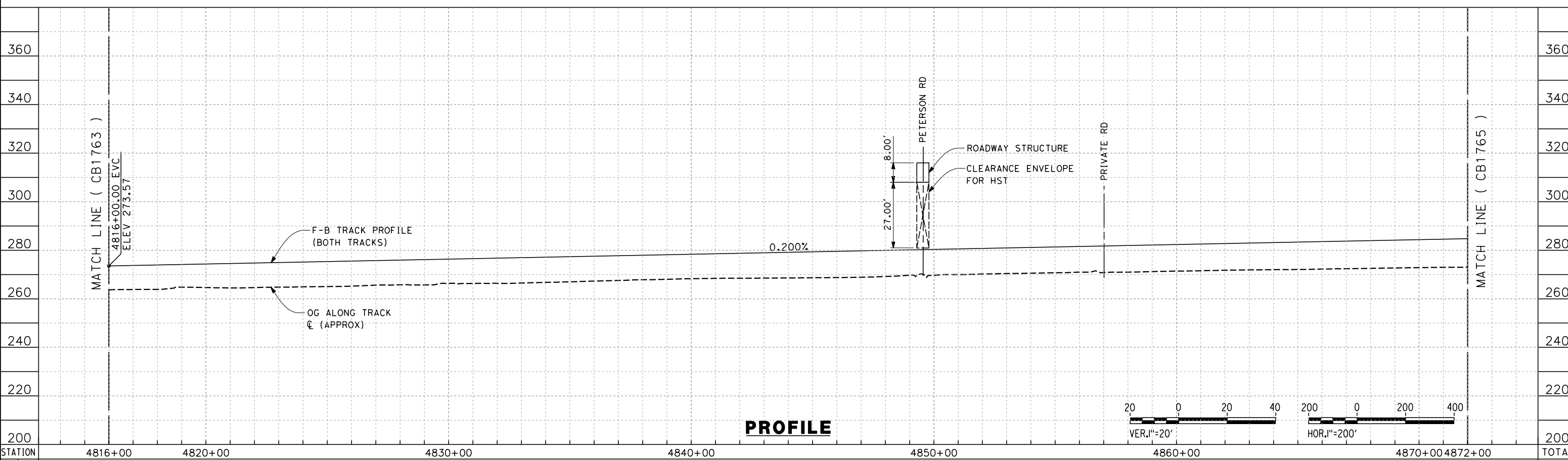
SCALE
AS SHOWN

SHEET NO.
17 OF 21

5/14/2012 5:35:37 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A1\FB-CB-1764-A1.dgn



WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)



STATION	4816+00	4820+00	4830+00	4840+00	4850+00	4860+00	4870+00	4872+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

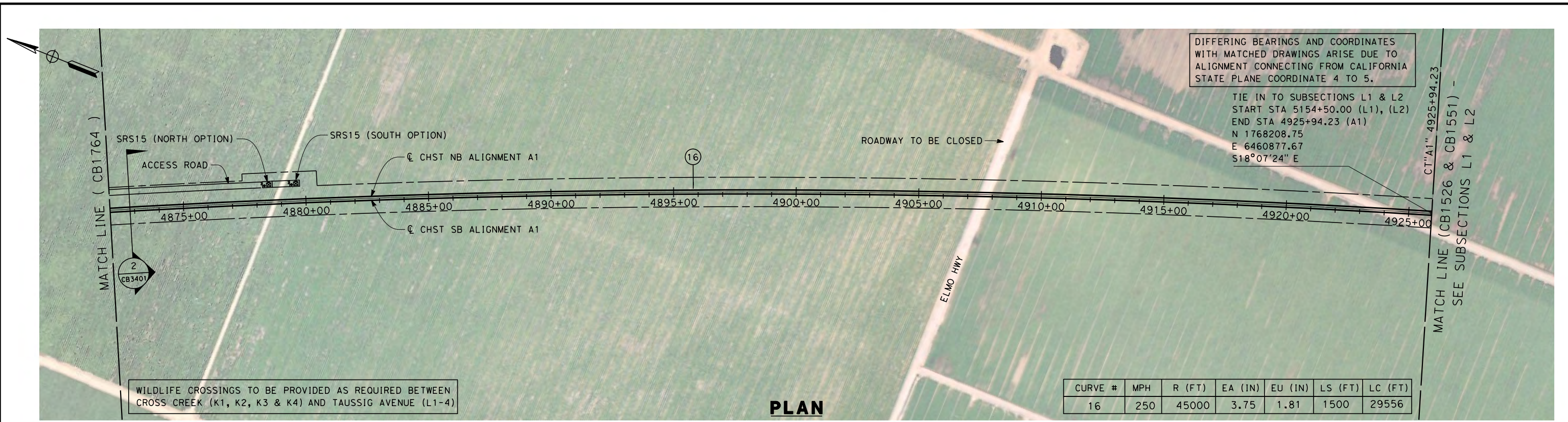
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
STA. 4816+00 TO 4872+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1764
SCALE
AS SHOWN
SHEET NO.
18 OF 21

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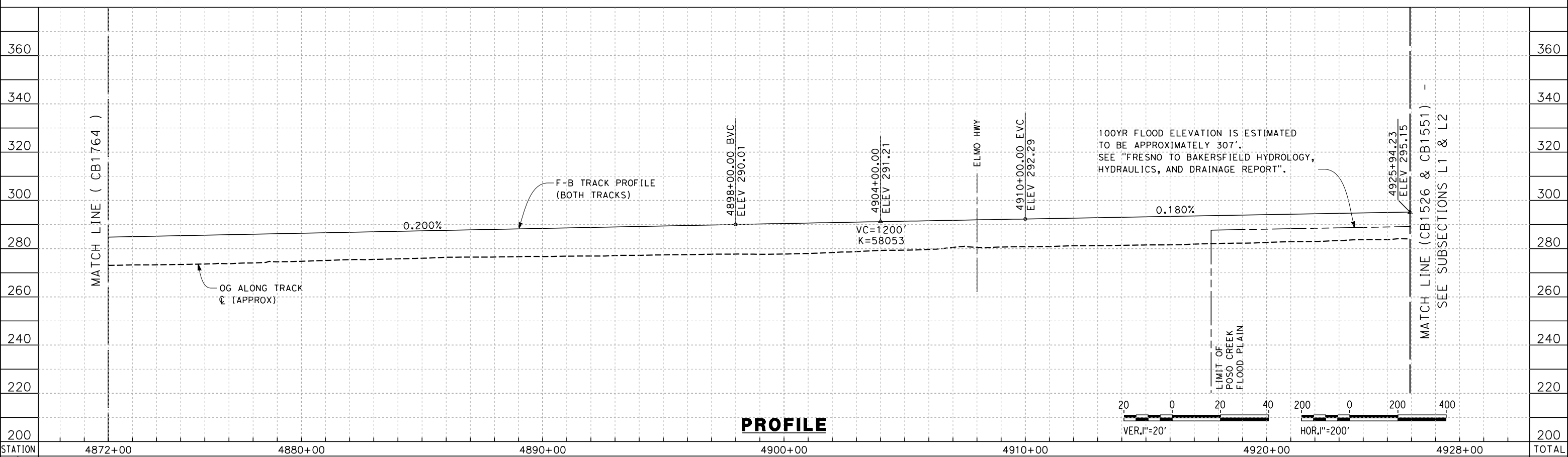
DIFFERING BEARINGS AND COORDINATES WITH MATCHED DRAWINGS ARISE DUE TO ALIGNMENT CONNECTING FROM CALIFORNIA STATE PLANE COORDINATE 4 TO 5.

TIE IN TO SUBSECTIONS L1 & L2
 START STA 5154+50.00 (L1), (L2)
 END STA 4925+94.23 (A1)
 N 1768208.75
 E 6460877.67
 S18°07'24" E

WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
16	250	45000	3.75	1.81	1500	29556

PLAN



100YR FLOOD ELEVATION IS ESTIMATED TO BE APPROXIMATELY 307'. SEE "FRESNO TO BAKERSFIELD HYDROLOGY, HYDRAULICS, AND DRAINAGE REPORT".

PROFILE

STATION	4872+00	4880+00	4890+00	4900+00	4910+00	4920+00	4928+00	TOTAL
Exc								
Emb								

DESIGNED BY
G. MEJIA
 DRAWN BY
J. REILLY
 CHECKED BY
J. LANGHAM
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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



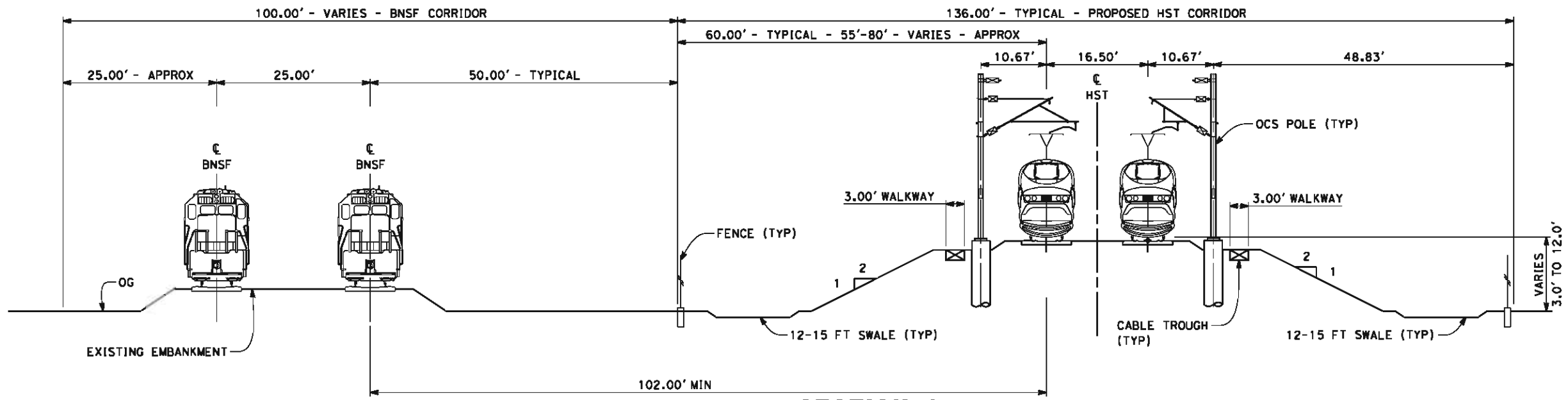
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 ALLENSWORTH BYPASS SUBSECTION
 ALIGNMENT A1
 STA. 4872+00 TO 4926+16
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1765
 SCALE
AS SHOWN
 SHEET NO.
19 OF 21

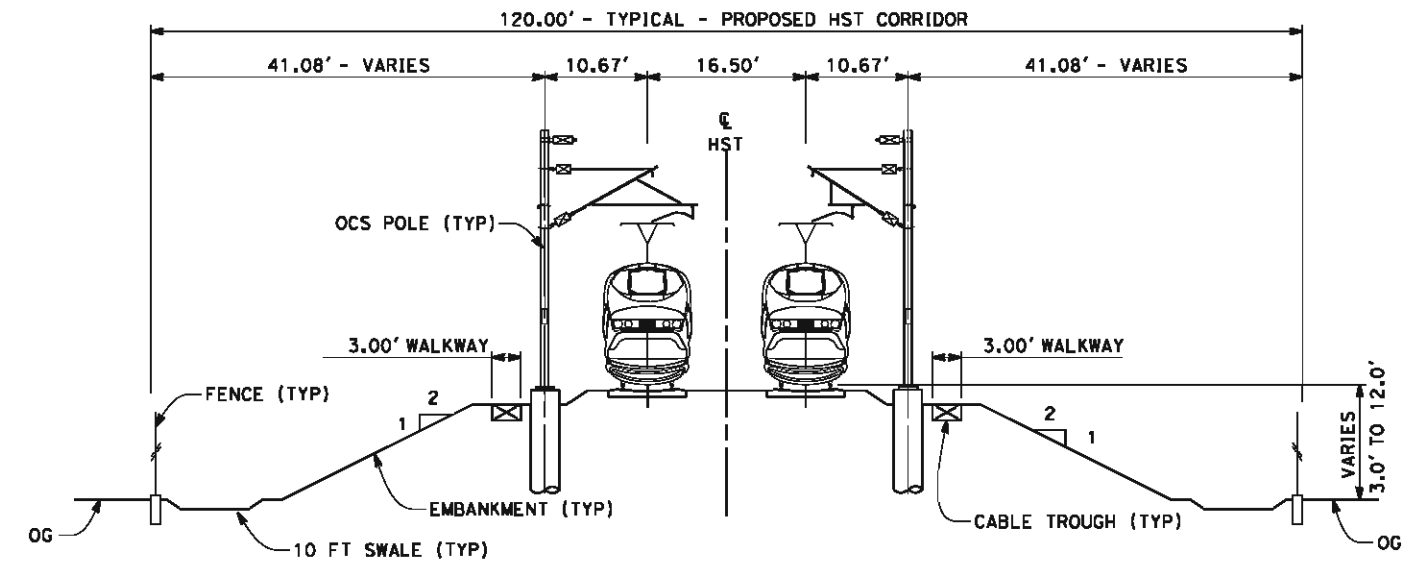
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 1
TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 3919+50 THROUGH STA 3983+53



SECTION 2
TWIN TRACKS - EMBANKMENT
STA 3983+53 THROUGH STA 3995+00
STA 4092+00 THROUGH STA 4925+94

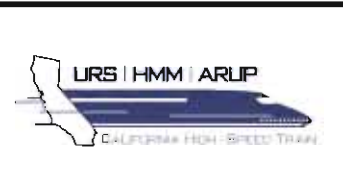


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



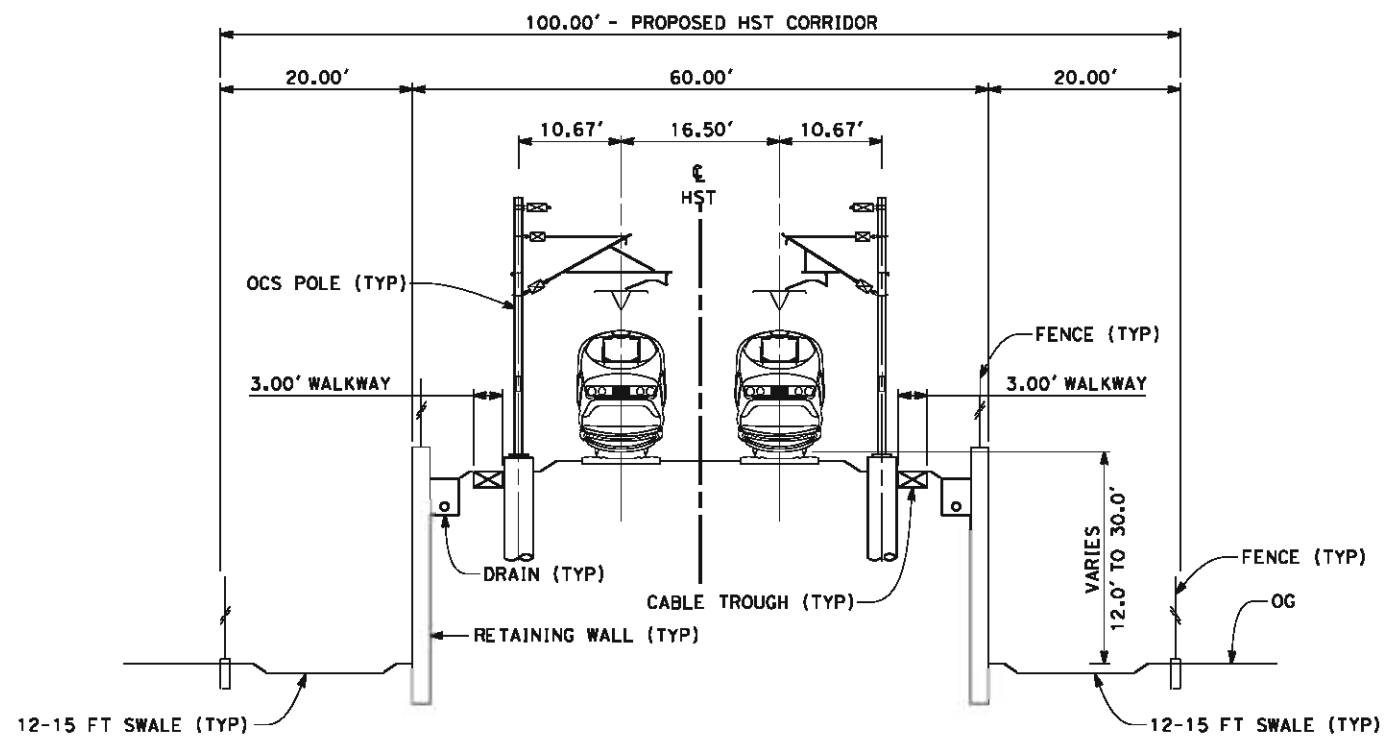
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3401
SCALE
AS SHOWN
SHEET NO.
20 OF 21

5/14/2012 5:35:48 PM \\global\americas\labs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A1\FB-CB-3402-A1.dgn

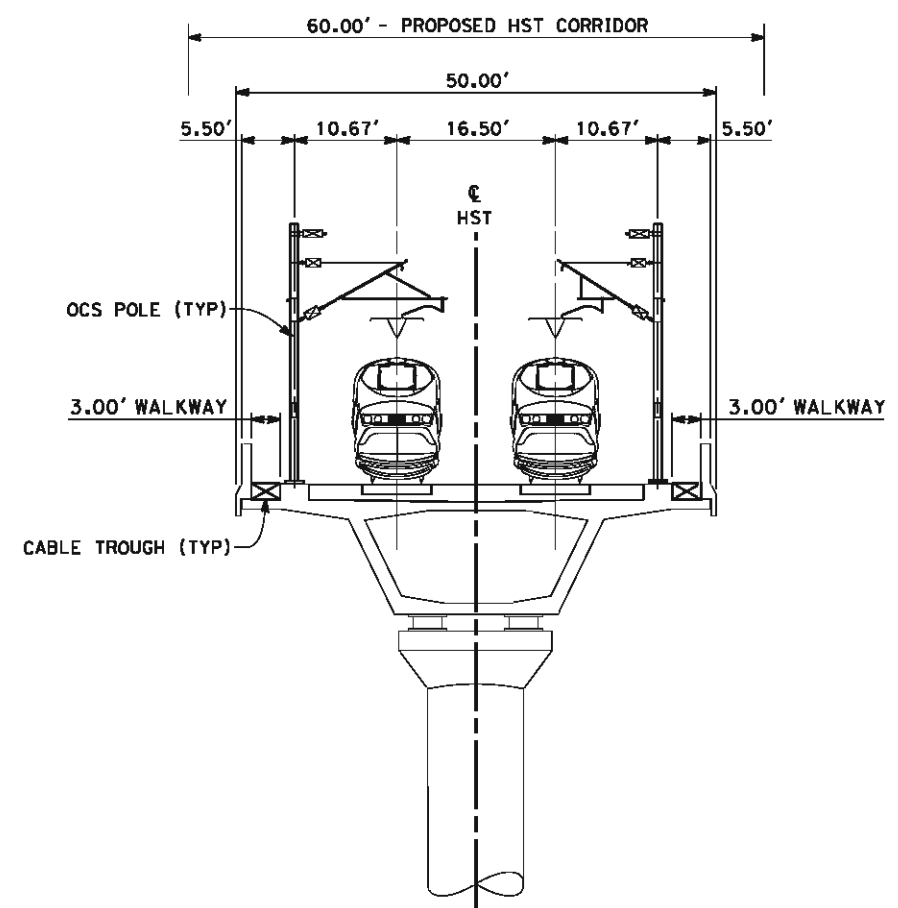
NOTES:

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



SECTION 3

TWIN TRACK - RETAINED EMBANKMENT
STA 3995+00 THROUGH STA 4006+50



SECTION 4

TWIN TRACK - AERIAL STRUCTURE
STA 4006+50 THROUGH STA 4067+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
J. LANGHAM

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3402

SCALE
AS SHOWN

SHEET NO.
21 OF 21

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LEGEND

- +—+—+ EXISTING FREIGHT RAILROAD
- PROPOSED CHST

3000 0 3000 6000
1"=3000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

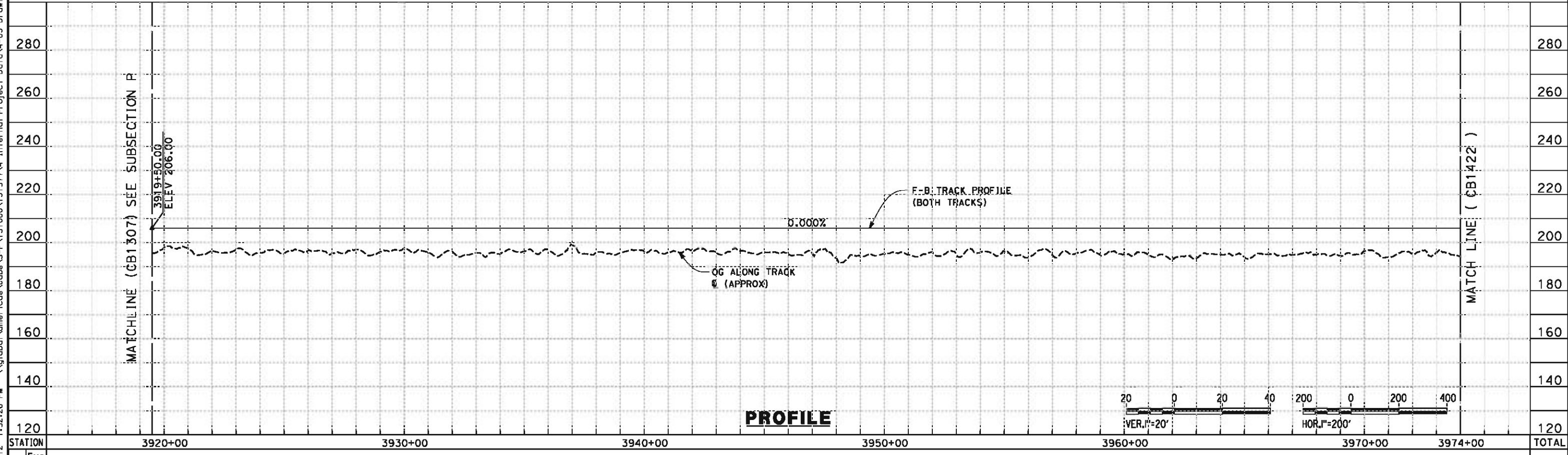
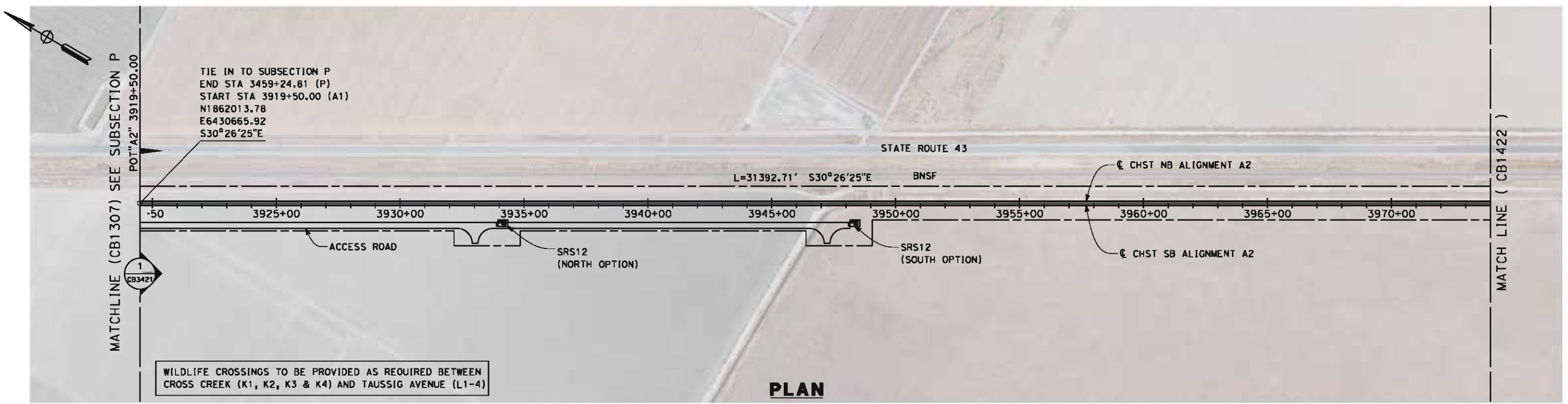
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3919+50 TO 4924+26
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1420
SCALE
AS SHOWN
SHEET NO.
1 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
J. LANGHAM

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3919+50 TO 3974+00
PLAN AND PROFILE

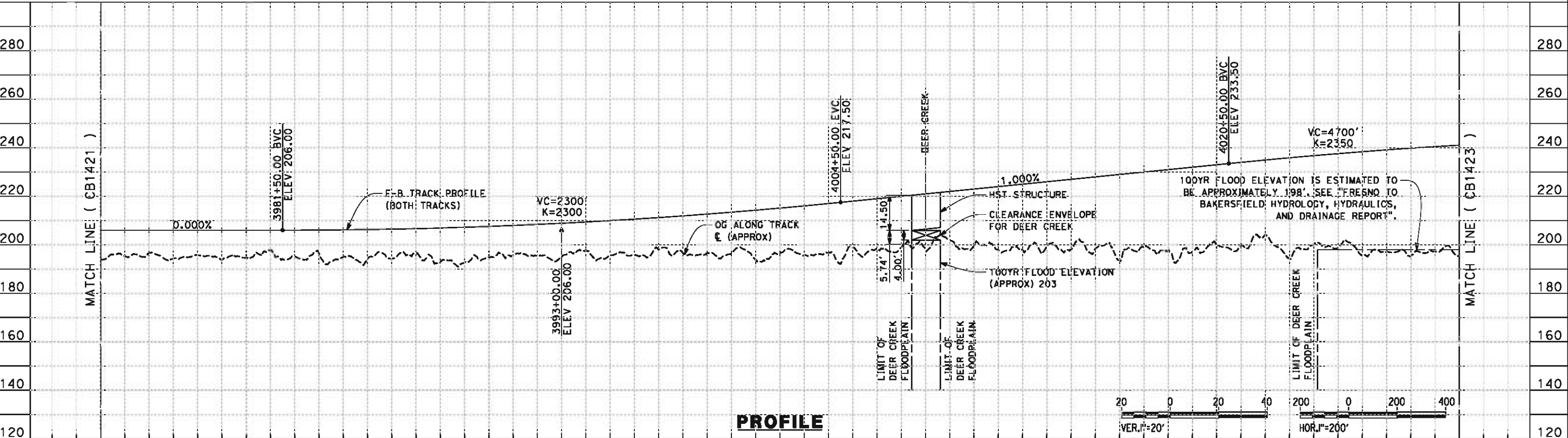
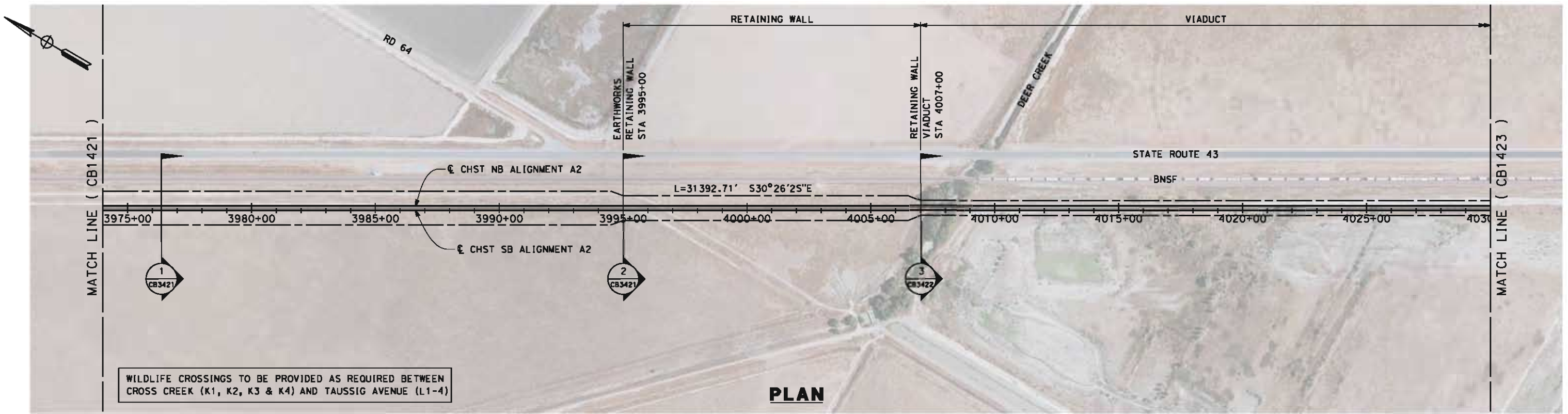
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1421

SCALE
AS SHOWN

SHEET NO.
2 OF 21

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STATION	3974+00	3980+00	3990+00	4000+00	4010+00	4020+00	4030+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc							
	Emb							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

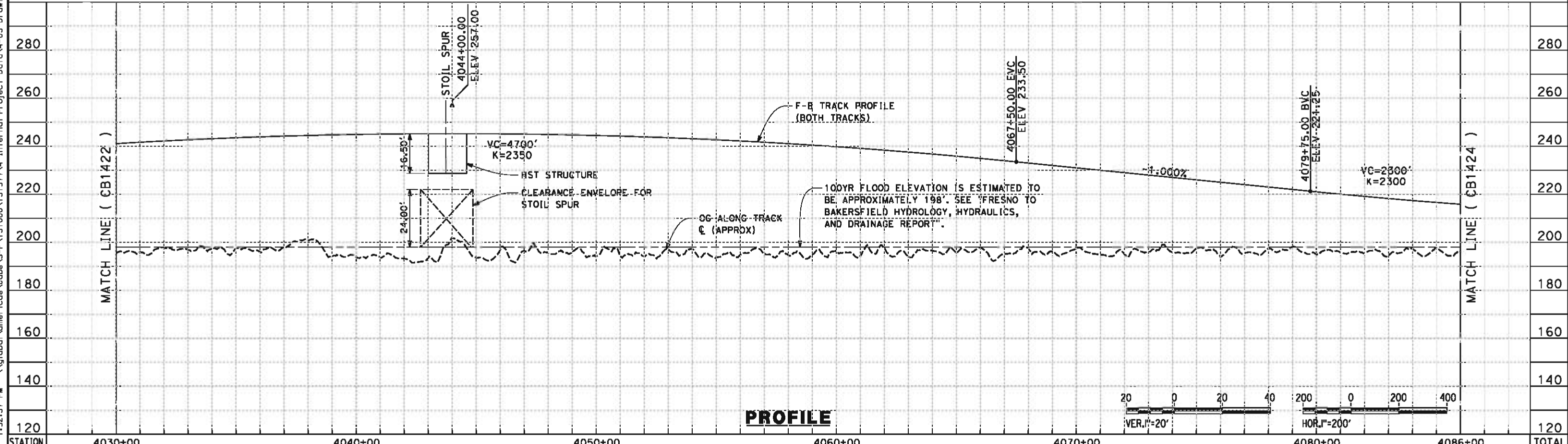
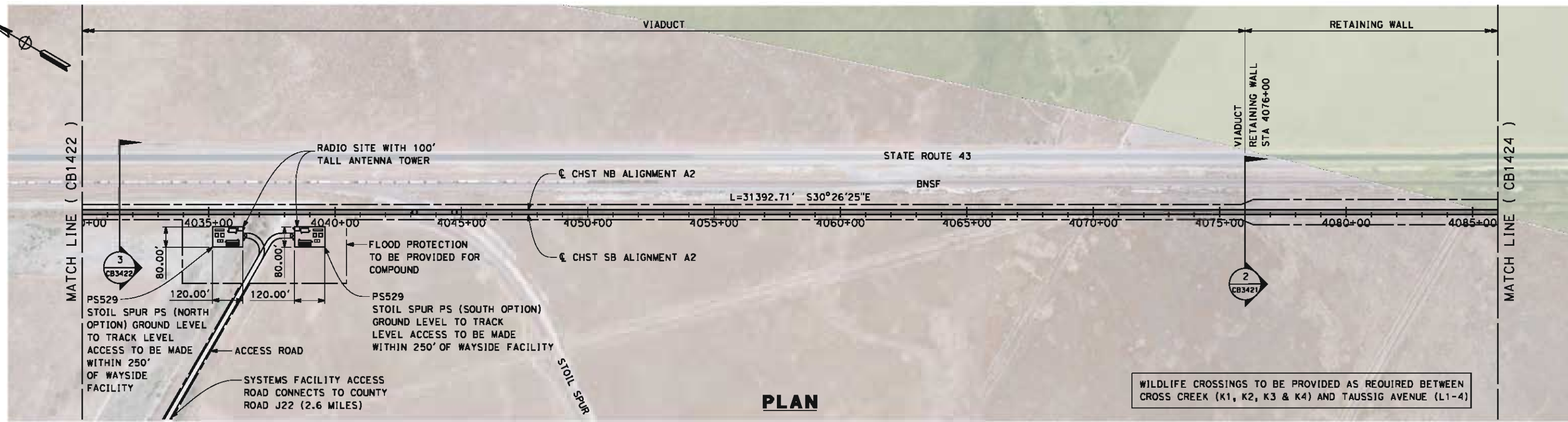
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 3974+00 TO 4030+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0004
DRAWING NO.
CB1422
SCALE
AS SHOWN
SHEET NO.
3 OF 21

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STATION	4030+00	4040+00	4050+00	4060+00	4070+00	4080+00	4086+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

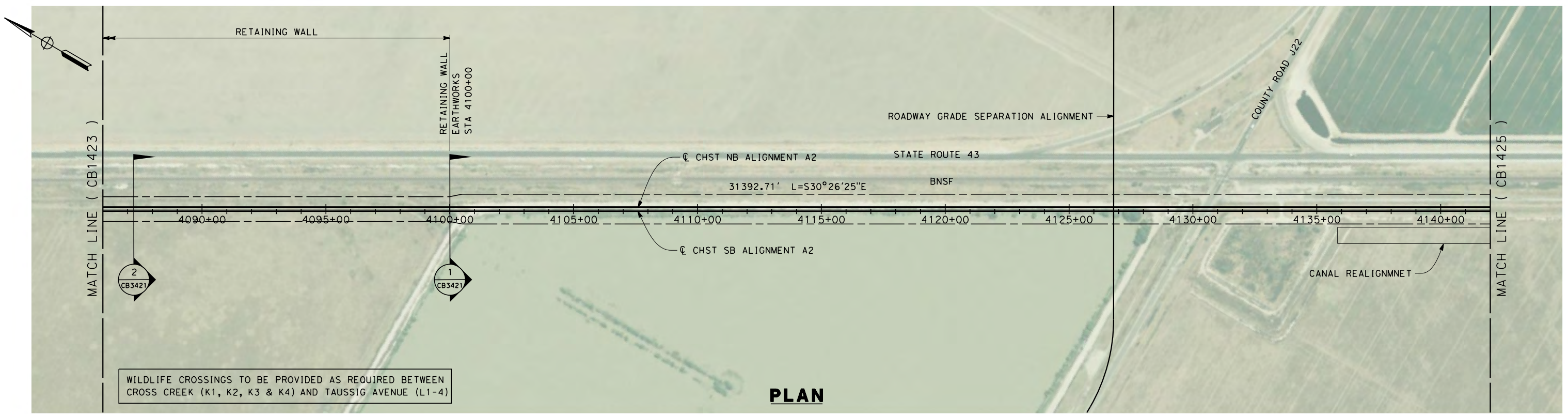
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4030+00 TO 4086+00
PLAN AND PROFILE

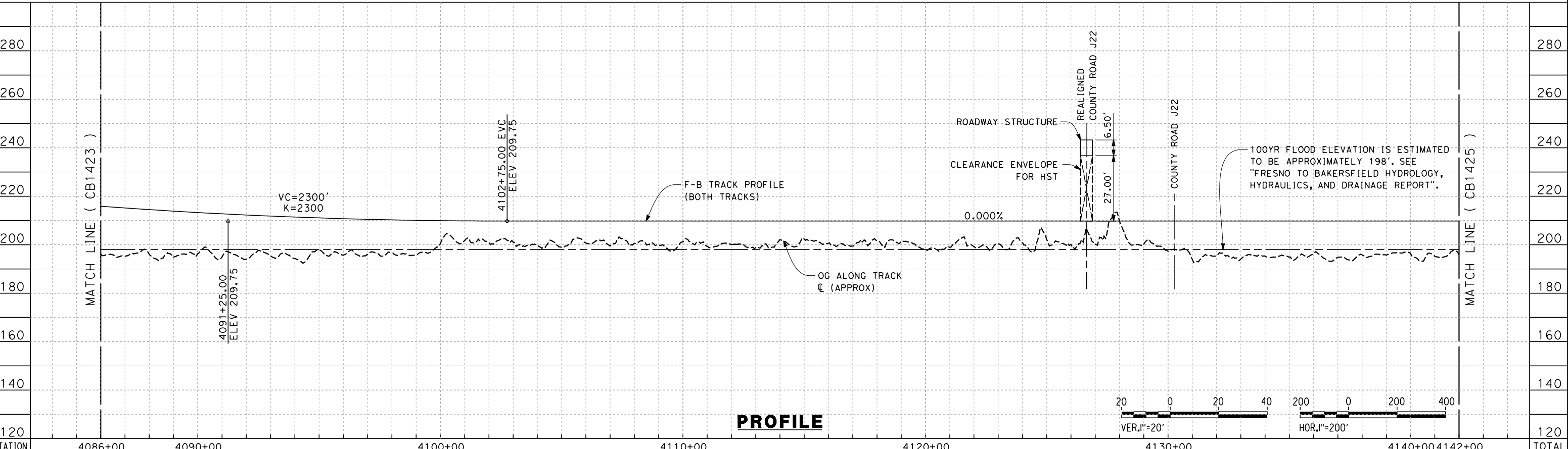
CONTRACT NO.
HSR 06-0005
DRAWING NO.
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SHEET NO.
4 OF 21

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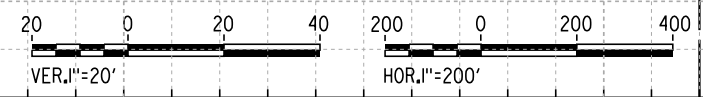


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE



STATION	4086+00	4090+00	4100+00	4110+00	4120+00	4130+00	4140+00	4142+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

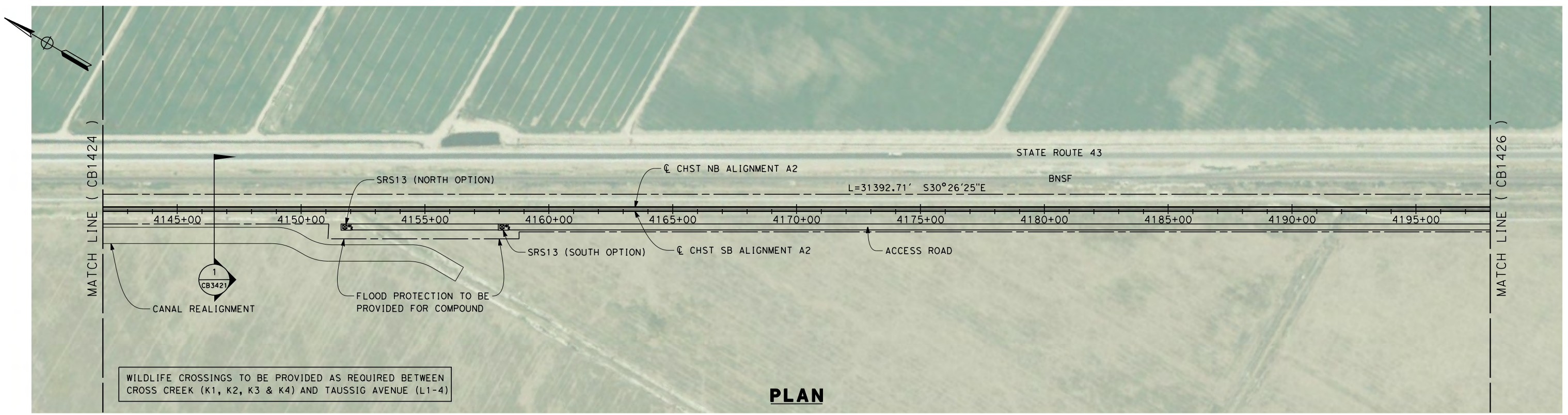
**NOT FOR
CONSTRUCTION**



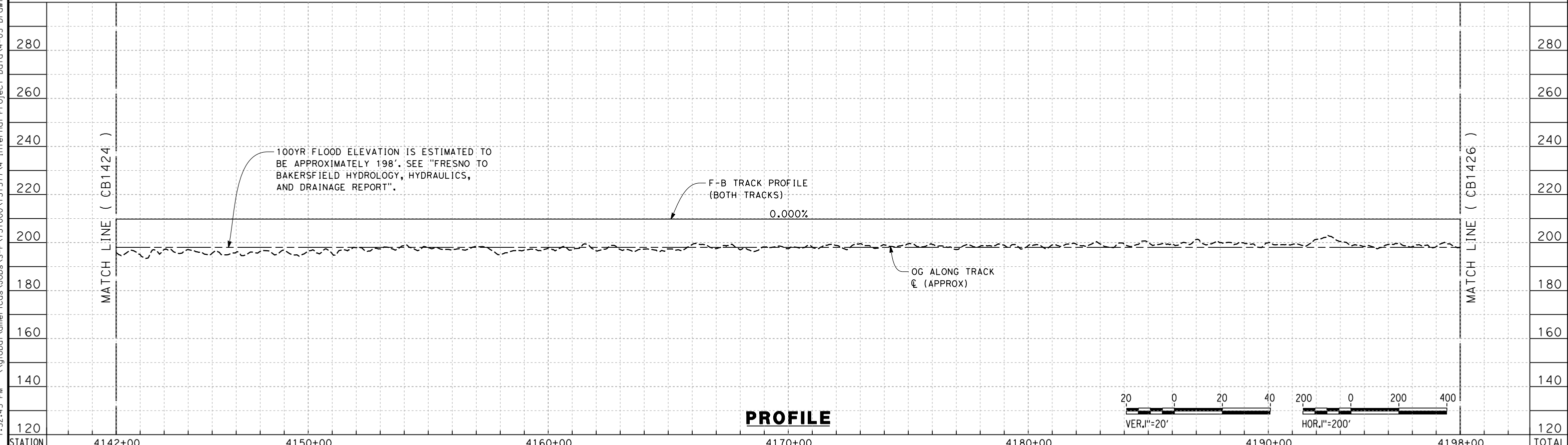
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4086+00 TO 4142+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0006
DRAWING NO.
CB1424
SCALE
AS SHOWN
SHEET NO.
5 OF 21

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PLAN



PROFILE

STATION	4142+00	4150+00	4160+00	4170+00	4180+00	4190+00	4198+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

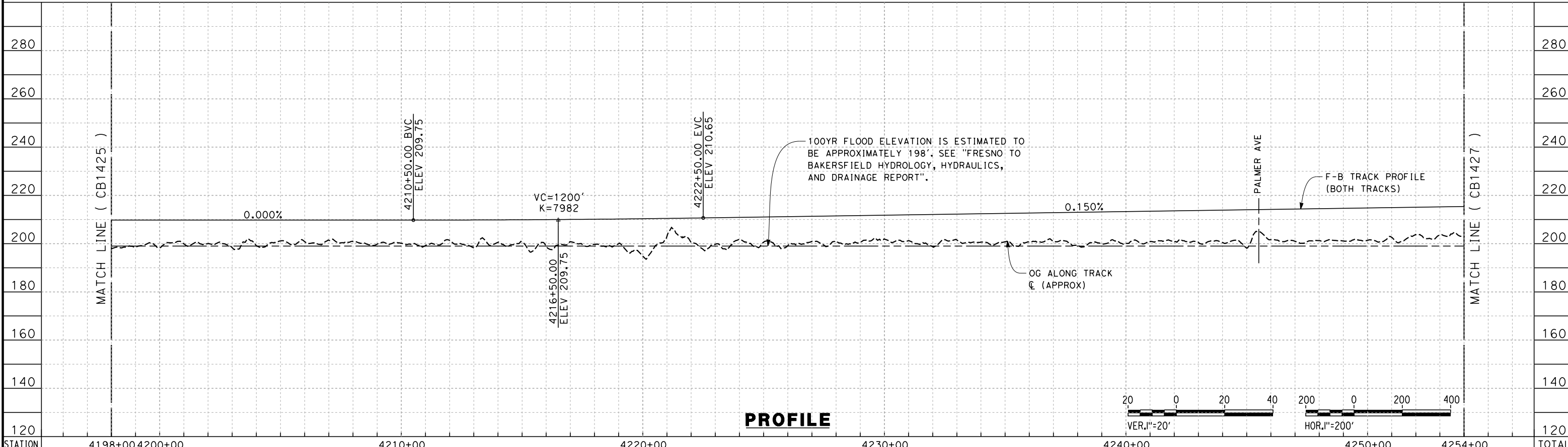
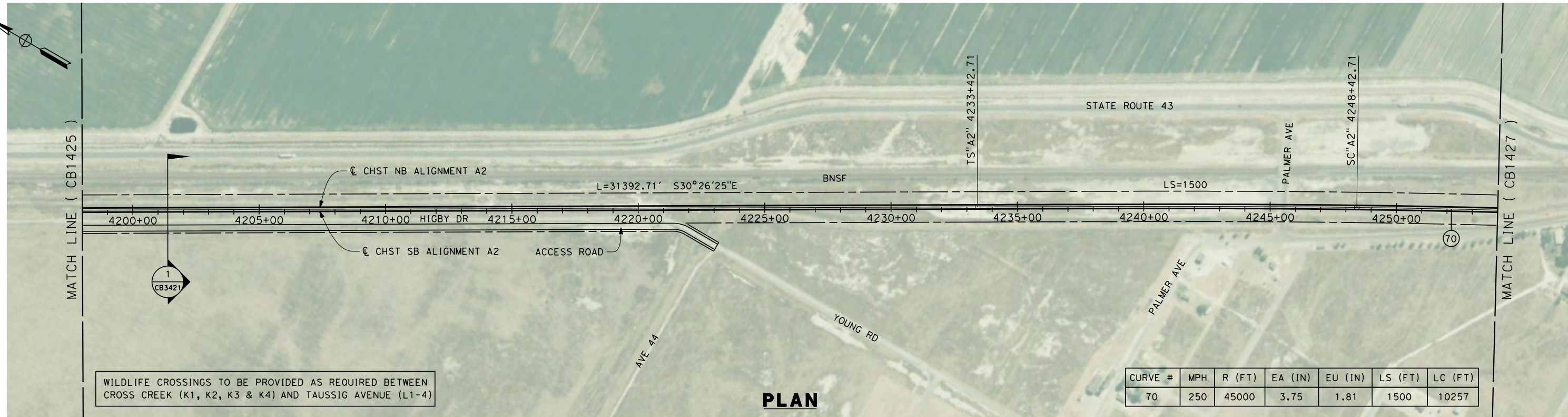
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4142+00 TO 4198+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0007
DRAWING NO.
CB1425
SCALE
AS SHOWN
SHEET NO.
6 OF 21

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STATION	4198+00	4200+00	4210+00	4220+00	4230+00	4240+00	4250+00	4254+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

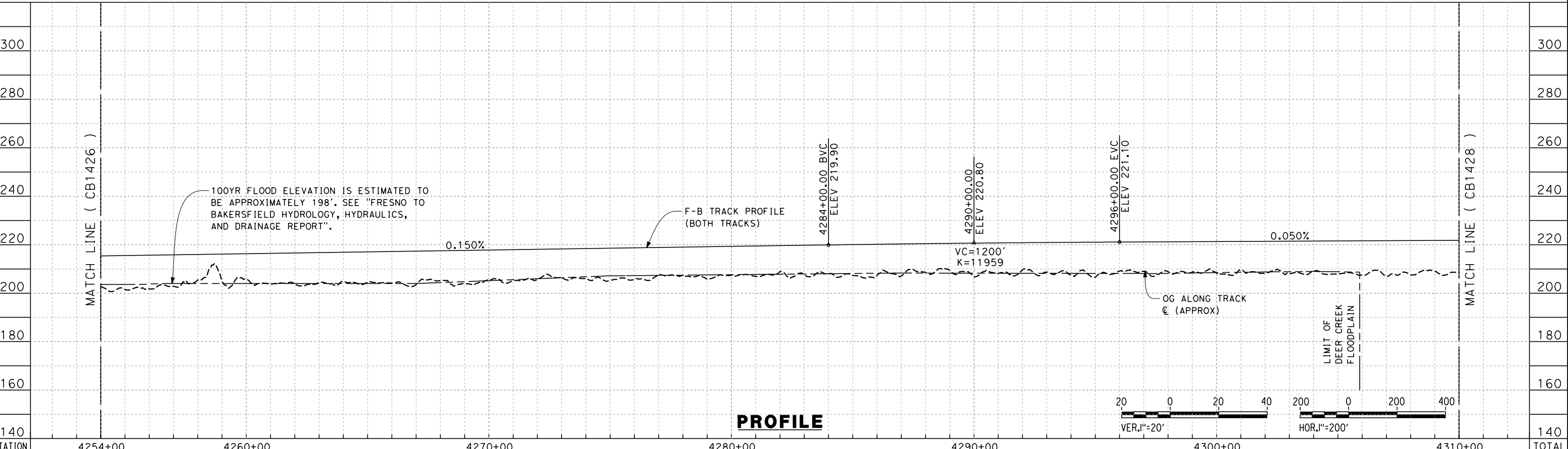
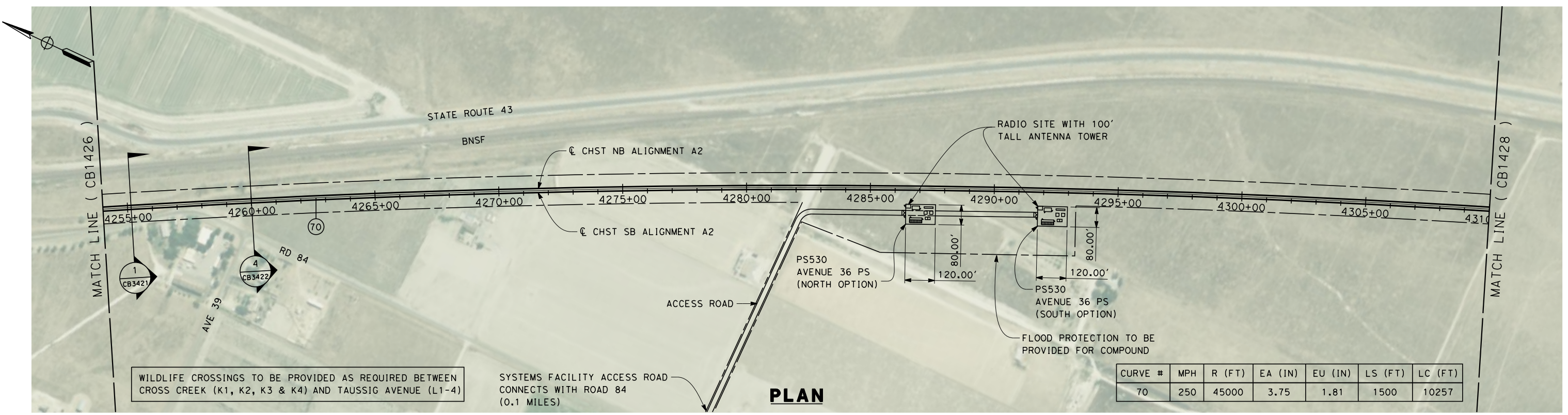
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4198+00 TO 4254+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0008
DRAWING NO.
CB1426
SCALE
AS SHOWN
SHEET NO.
7 OF 21

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STATION	4254+00	4260+00	4270+00	4280+00	4290+00	4300+00	4310+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

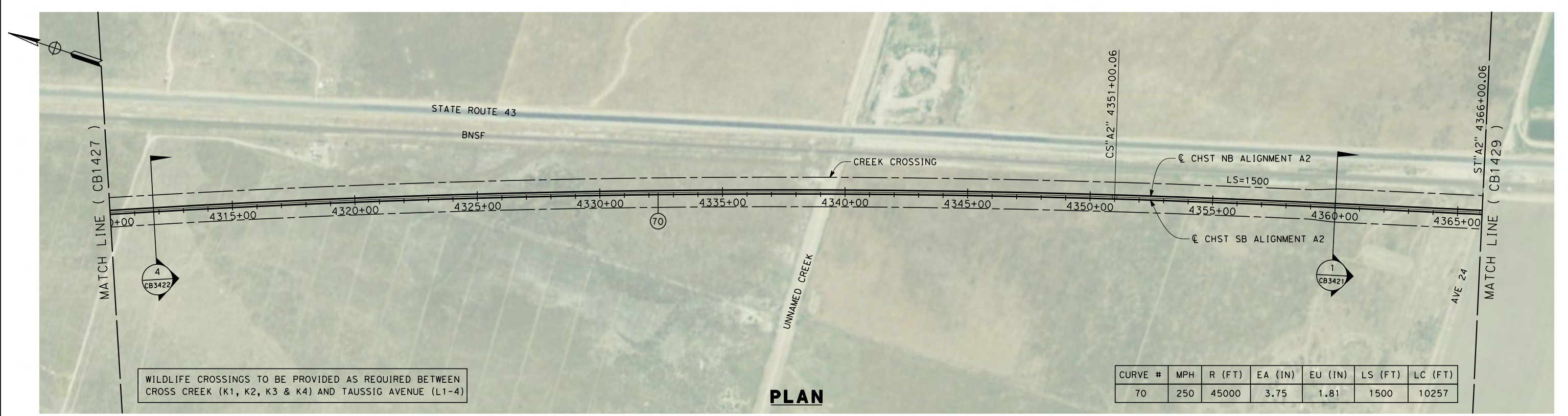
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4254+00 TO 4310+00
PLAN AND PROFILE

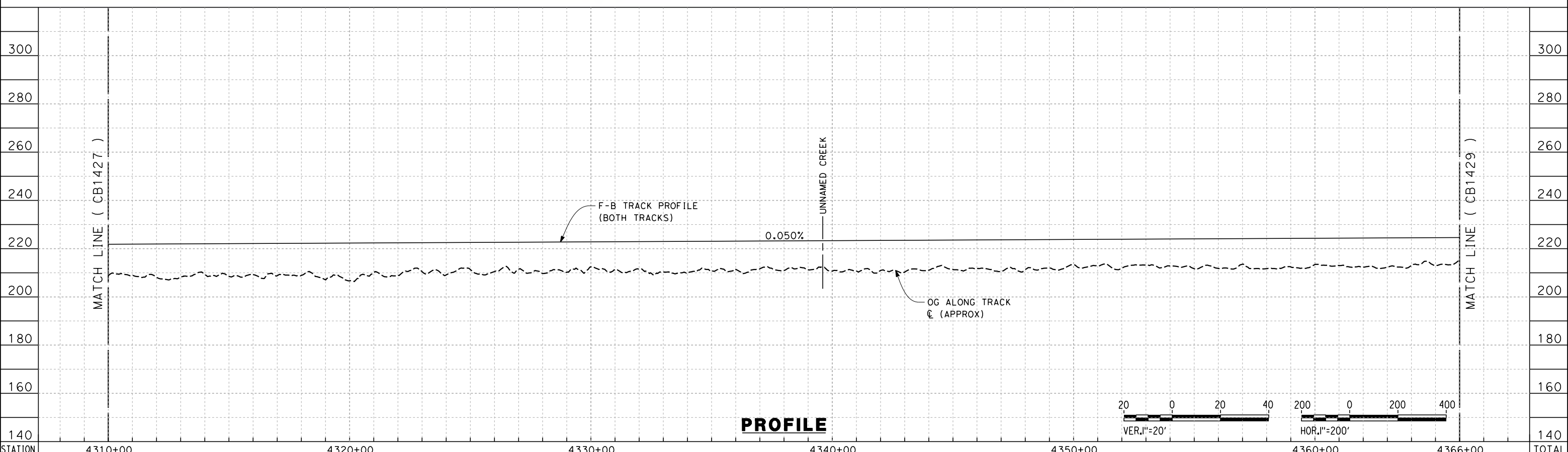
CONTRACT NO.
HSR 06-0009
DRAWING NO.
CB1427
SCALE
AS SHOWN
SHEET NO.
8 OF 21

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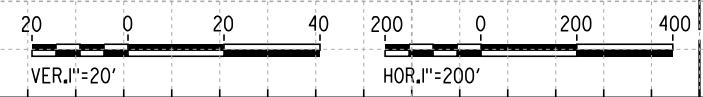


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE



STATION	4310+00	4320+00	4330+00	4340+00	4350+00	4360+00	4366+00	TOTAL
Exc								
Emb								

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

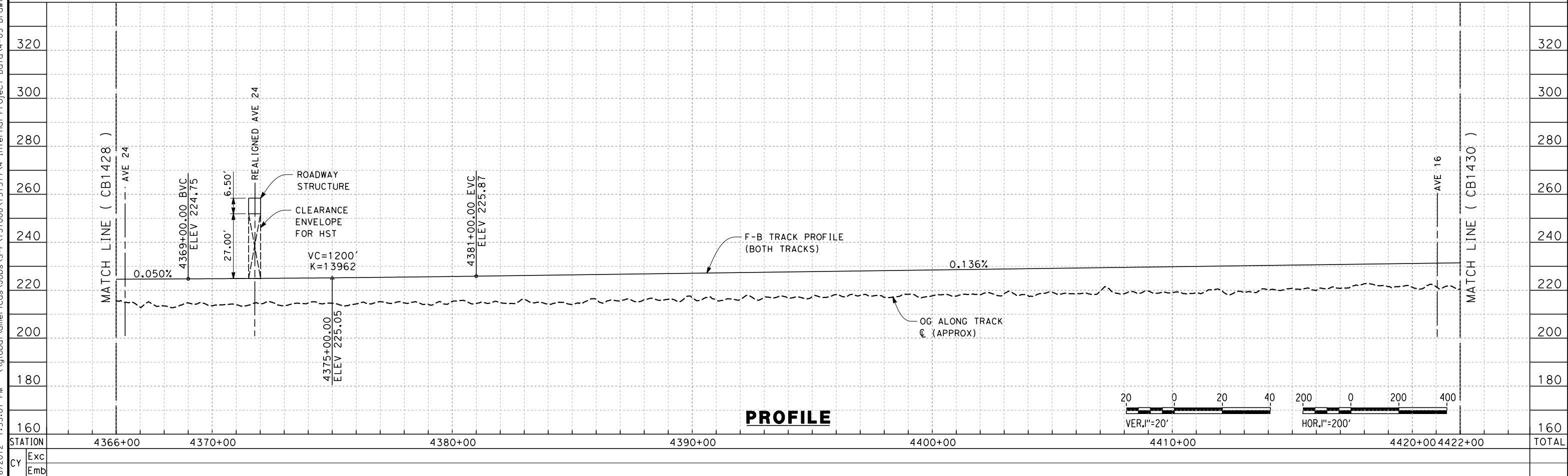
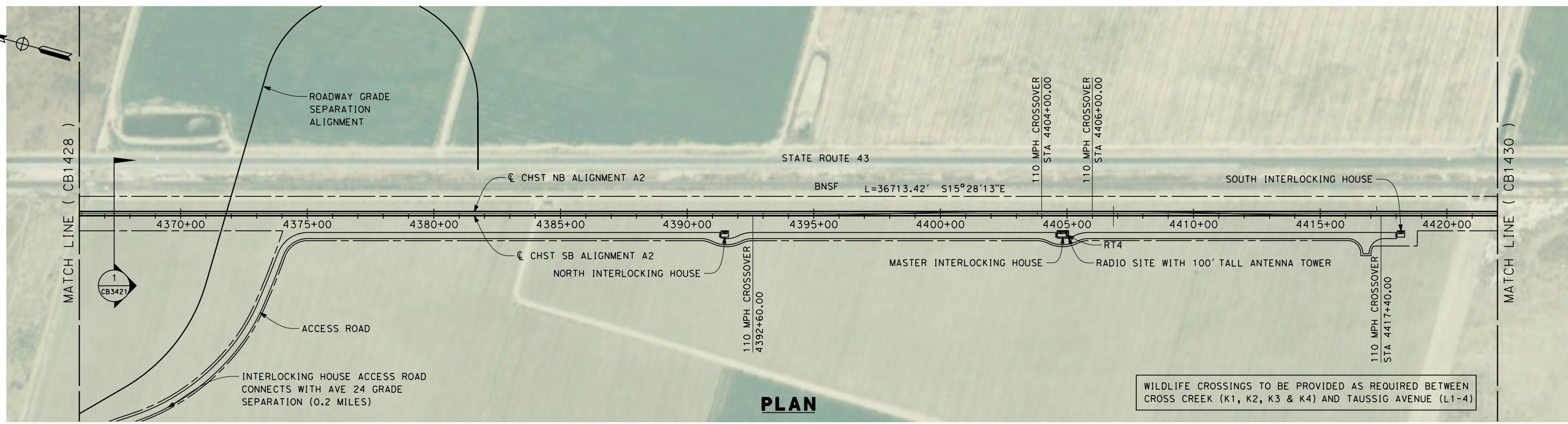


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4310+00 TO 4366+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0010
DRAWING NO.
CB1428
SCALE
AS SHOWN
SHEET NO.
9 OF 21

REV	DATE	BY	CHK	APP	DESCRIPTION

5/18/2012 1:53:01 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\A2\FB-CB-1429-A2.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
J. LANGHAM

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4366+00 TO 4422+00
PLAN AND PROFILE

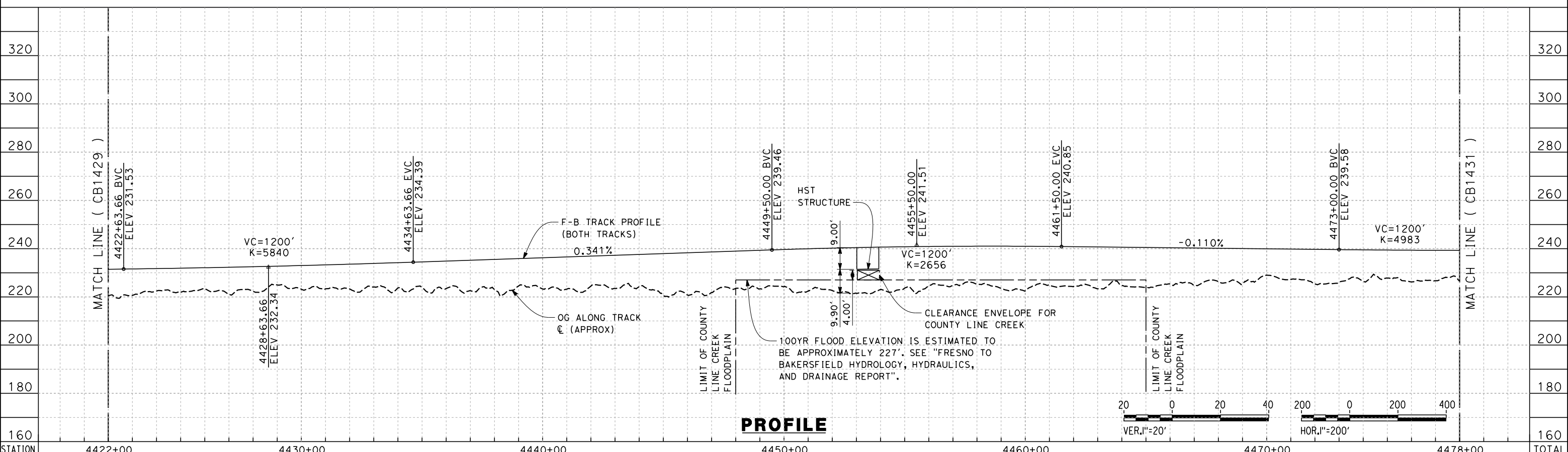
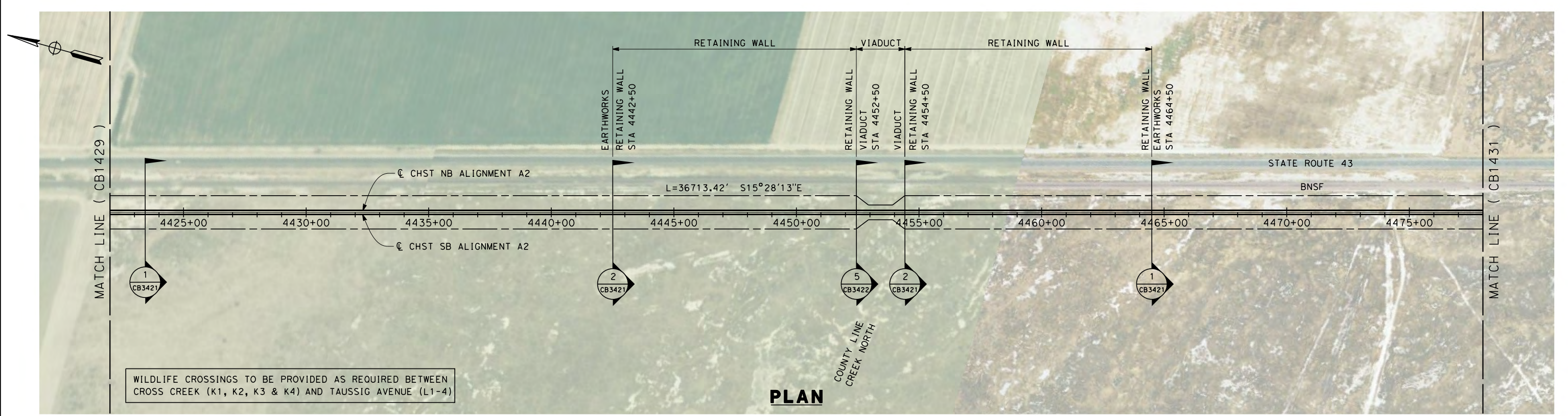
CONTRACT NO.
HSR 06-0011

DRAWING NO.
CB1429

SCALE
AS SHOWN

SHEET NO.
10 OF 21

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STATION	4422+00	4430+00	4440+00	4450+00	4460+00	4470+00	4478+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

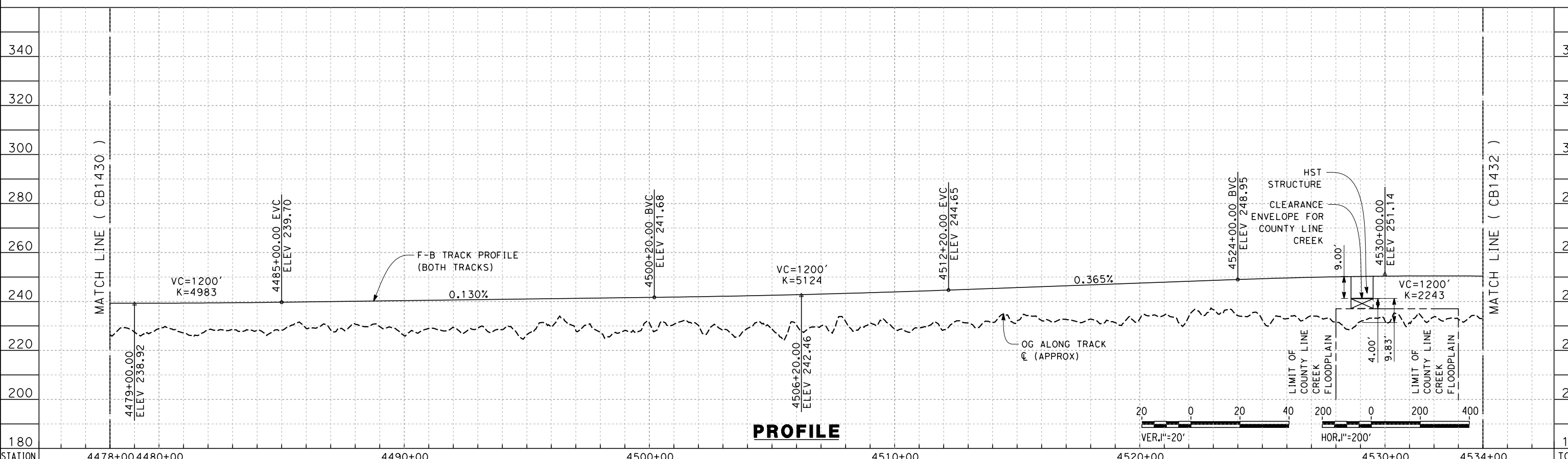
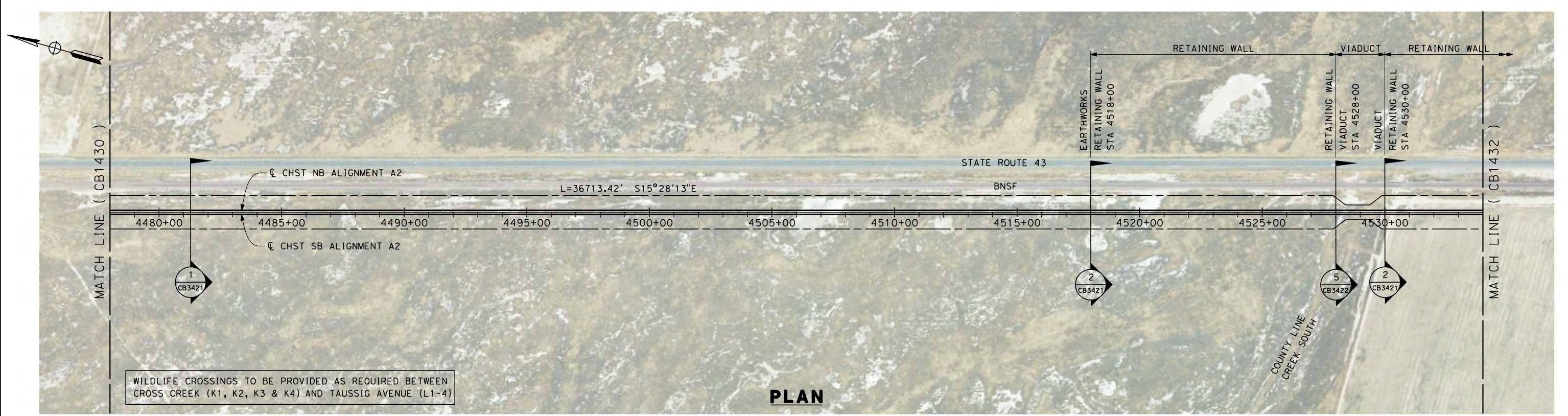
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4422+00 TO 4478+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0012
DRAWING NO.
CB1430
SCALE
AS SHOWN
SHEET NO.
11 OF 21

5/18/2012 1:53:10 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A2\FB-CB-1431-A2.dgn



STATION	4478+00	4480+00	4490+00	4500+00	4510+00	4520+00	4530+00	4534+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

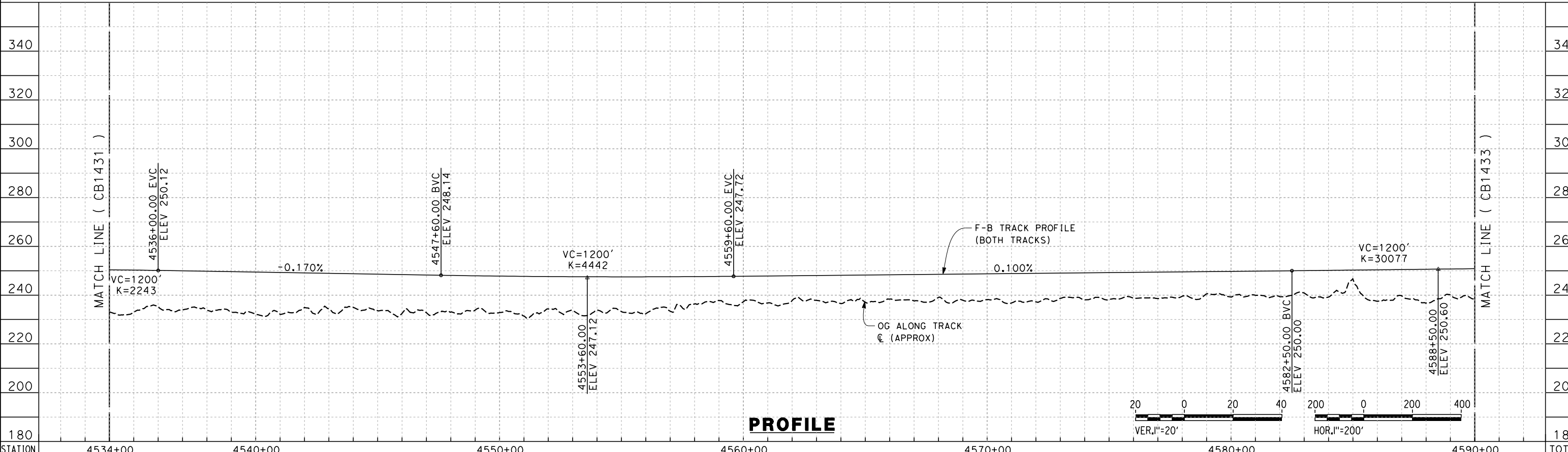
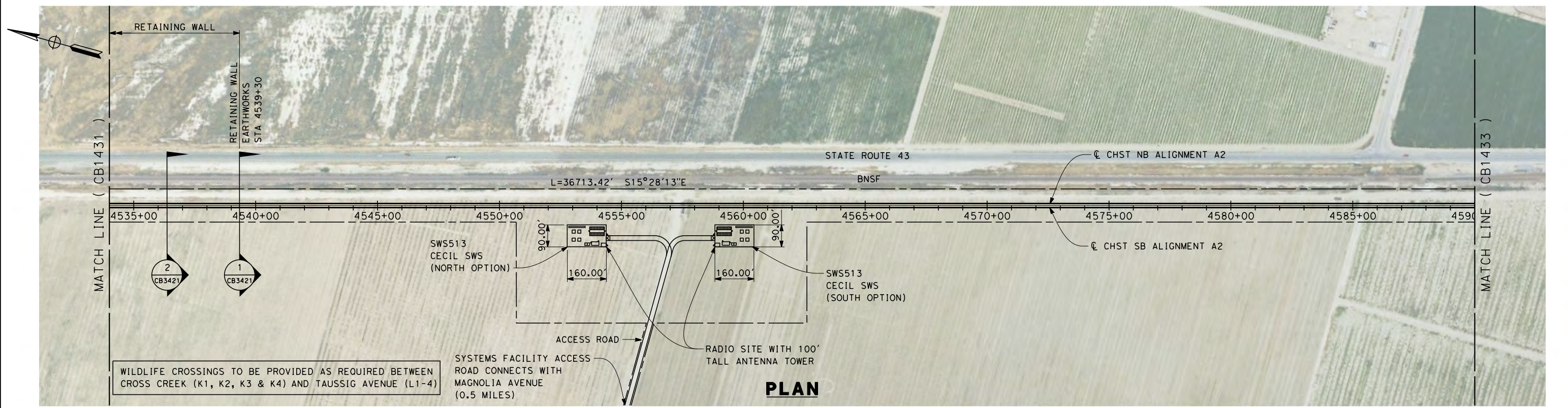
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4478+00 TO 4534+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0013
DRAWING NO.
CB1431
SCALE
AS SHOWN
SHEET NO.
12 OF 21

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STATION	4534+00	4540+00	4550+00	4560+00	4570+00	4580+00	4590+00	TOTAL
Exc								
Emb								

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4534+00 TO 4590+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0014
DRAWING NO.
CB1432
SCALE
AS SHOWN
SHEET NO.
13 OF 21

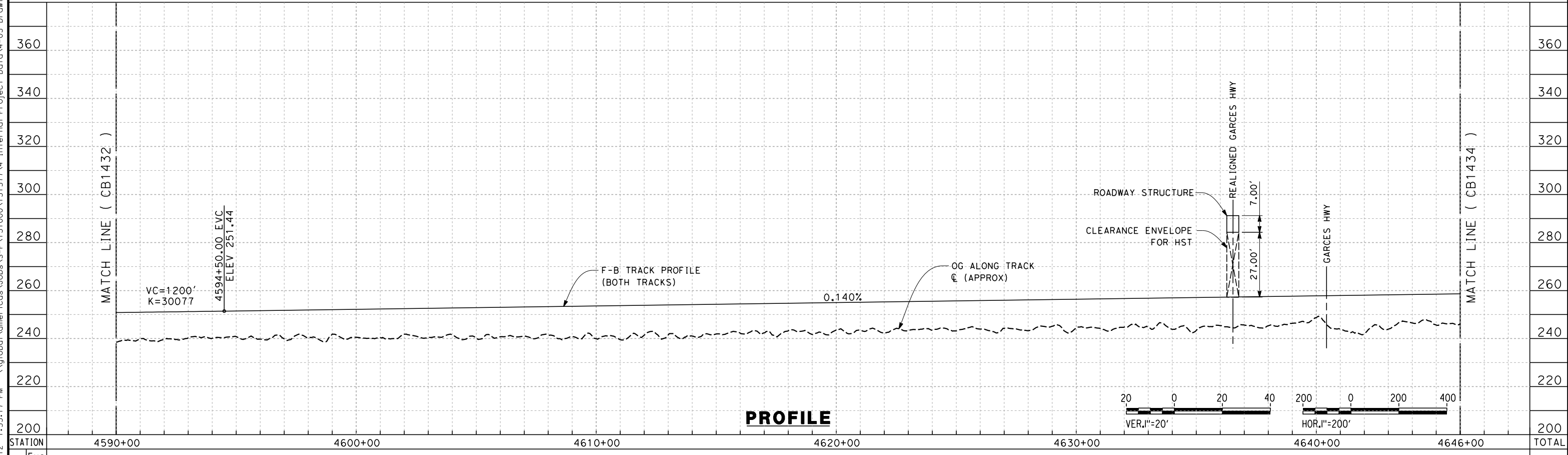
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	4590+00	4600+00	4610+00	4620+00	4630+00	4640+00	4646+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

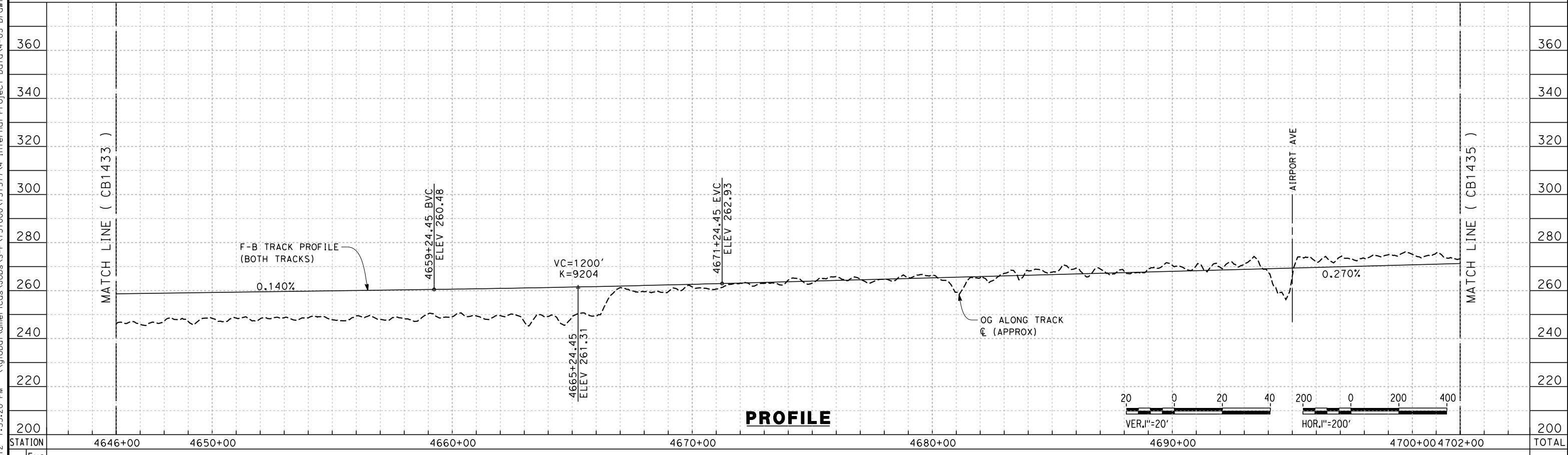
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4590+00 TO 4646+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0015
DRAWING NO.
CB1433
SCALE
AS SHOWN
SHEET NO.
14 OF 21

5/18/2012 1:53:20 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A2\FB-CB-1434-A2.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
J. LANGHAM

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4646+00 TO 4702+00
PLAN AND PROFILE

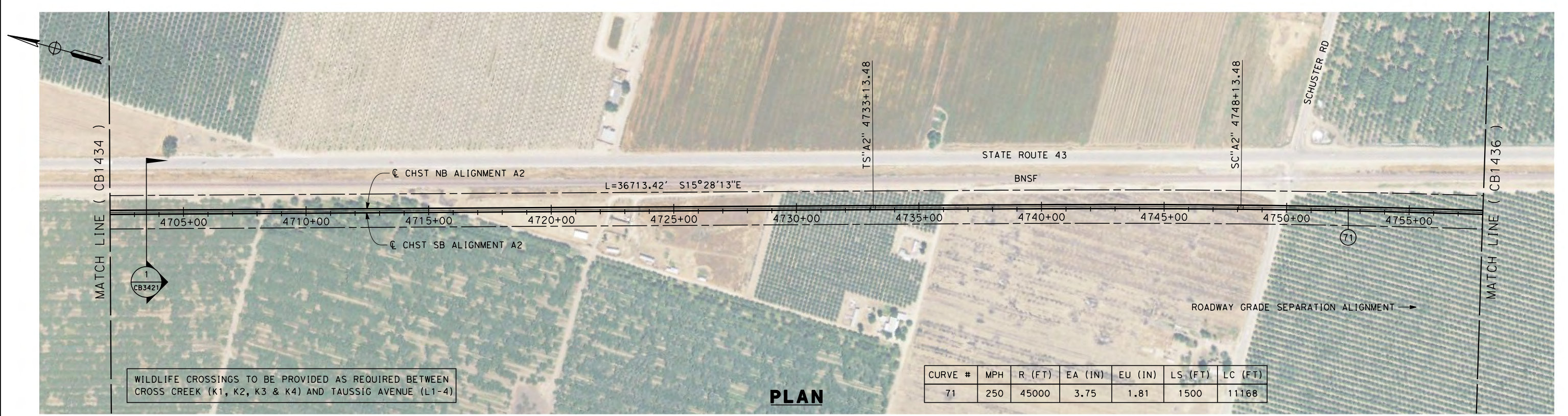
CONTRACT NO.
HSR 06-0016

DRAWING NO.
CB1434

SCALE
AS SHOWN

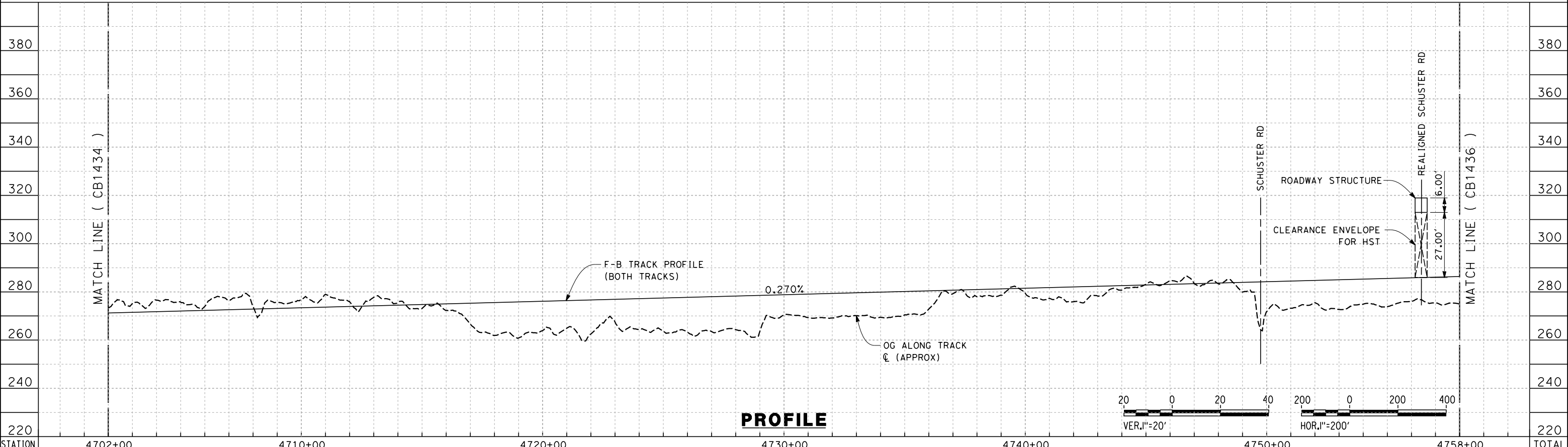
SHEET NO.
15 OF 21

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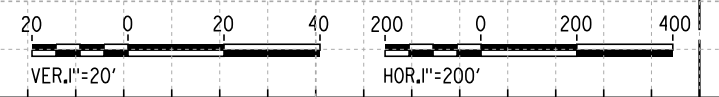


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE



STATION	4702+00	4710+00	4720+00	4730+00	4740+00	4750+00	4758+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

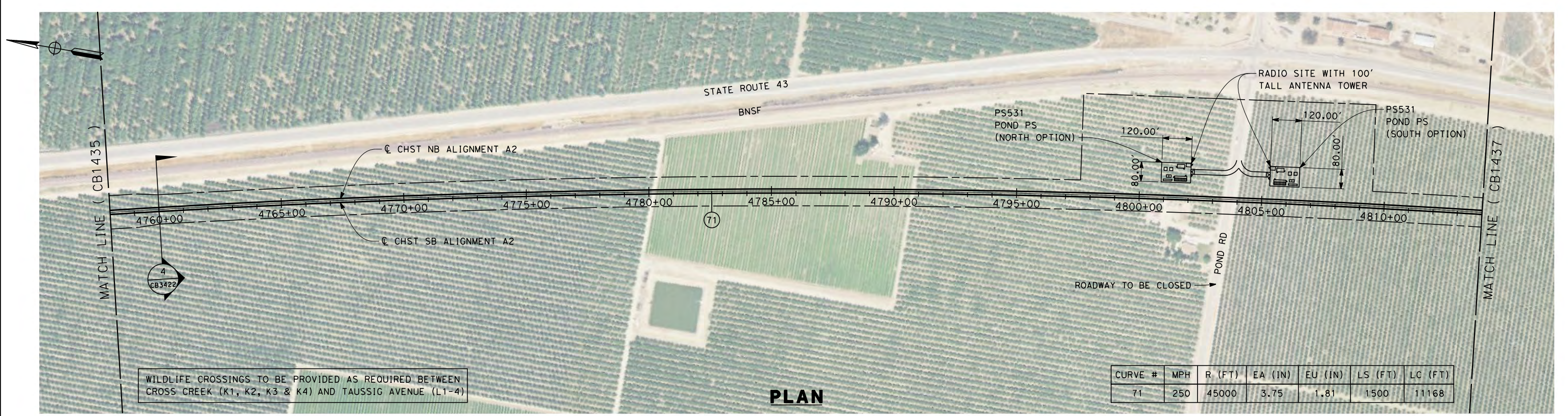
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4702+00 TO 4758+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0017
DRAWING NO.
CB1435
SCALE
AS SHOWN
SHEET NO.
16 OF 21

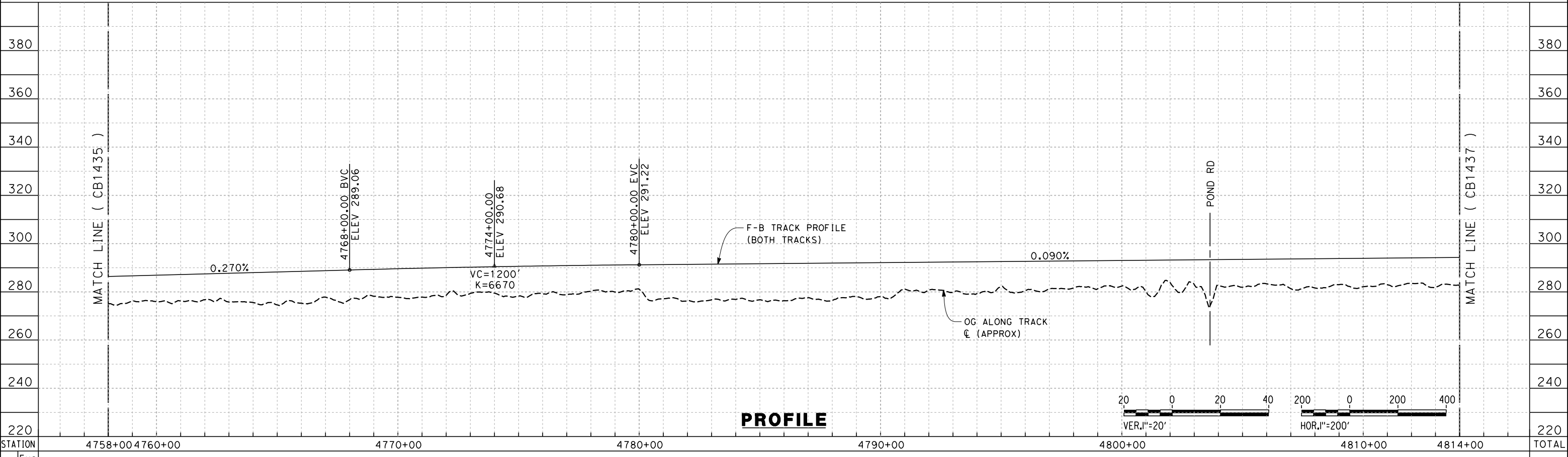
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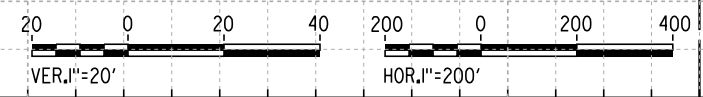
WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
71	250	45000	3.75	1.81	1500	11168

PLAN



PROFILE



STATION	4758+00	4760+00	4770+00	4780+00	4790+00	4800+00	4810+00	4814+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

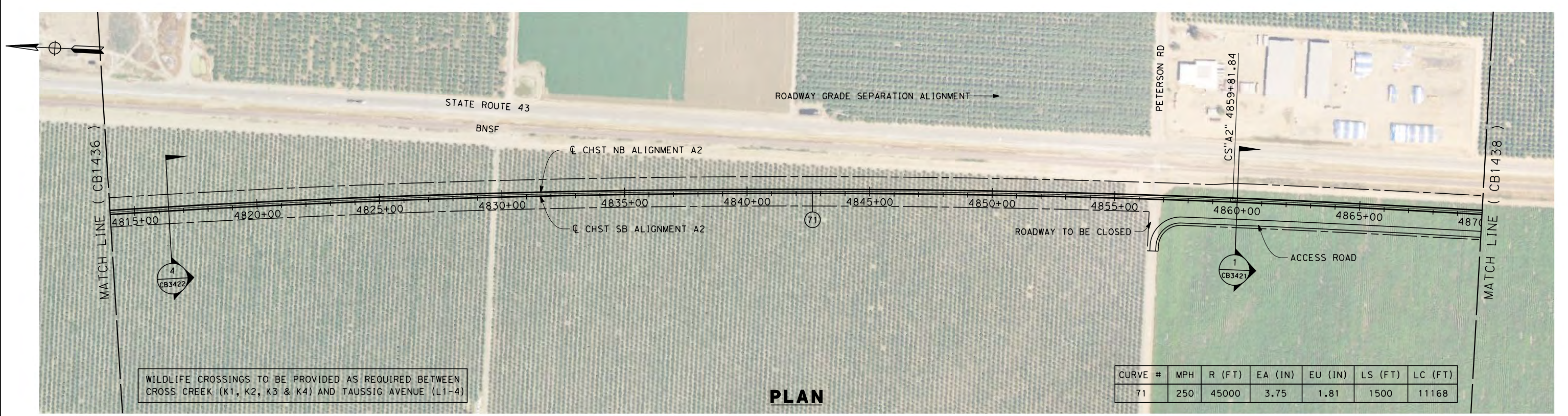
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4758+00 TO 4814+00
PLAN AND PROFILE

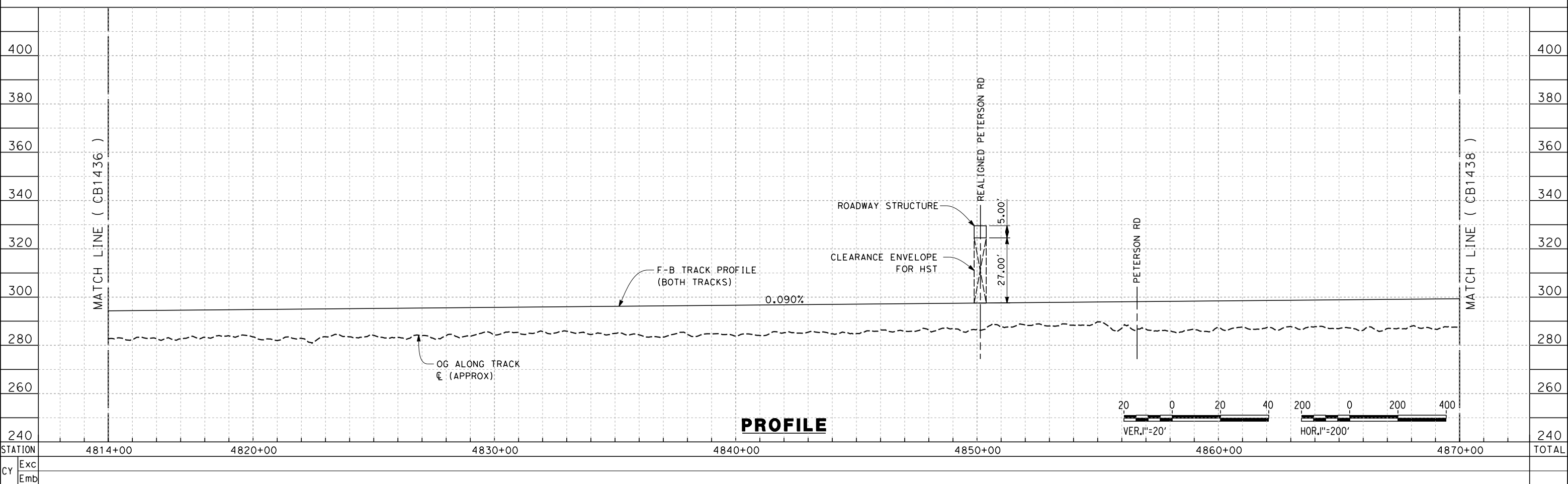
CONTRACT NO.
HSR 06-0018
DRAWING NO.
CB1436
SCALE
AS SHOWN
SHEET NO.
17 OF 21

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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

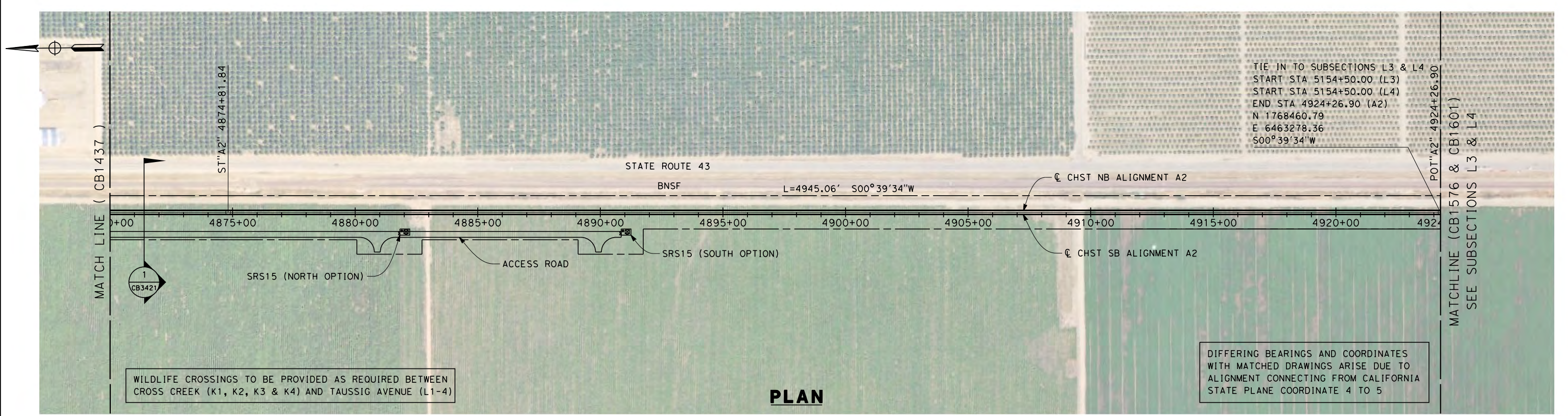
**NOT FOR
CONSTRUCTION**



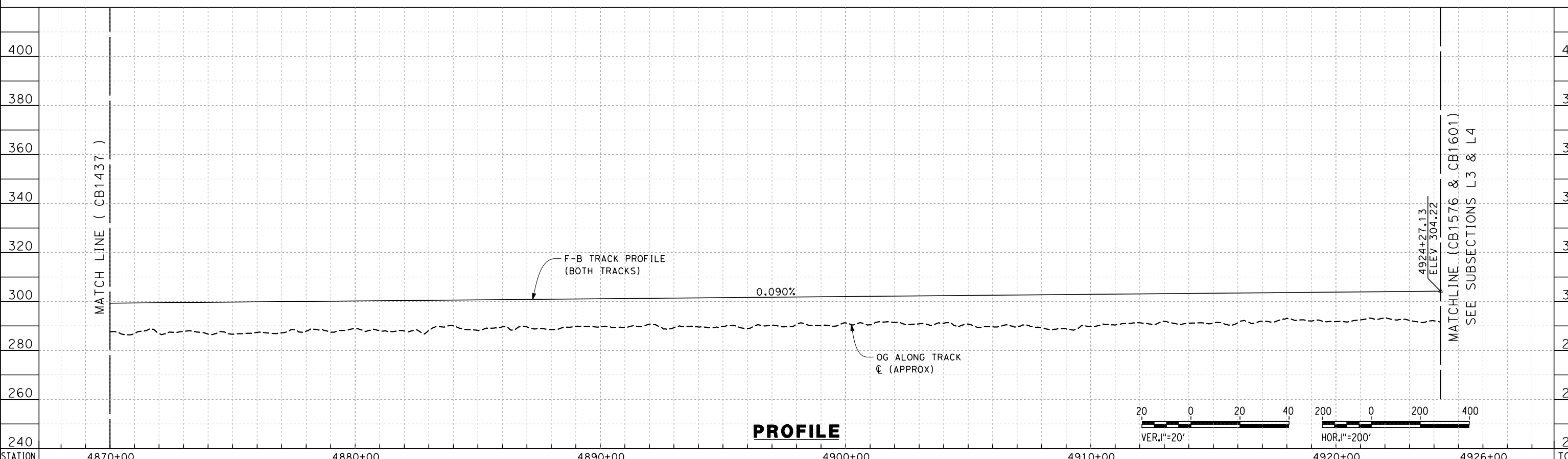
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4814+00 TO 4870+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0019
DRAWING NO.
CB1437
SCALE
AS SHOWN
SHEET NO.
18 OF 21

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PLAN



PROFILE

STATION	4870+00	4880+00	4890+00	4900+00	4910+00	4920+00	4926+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

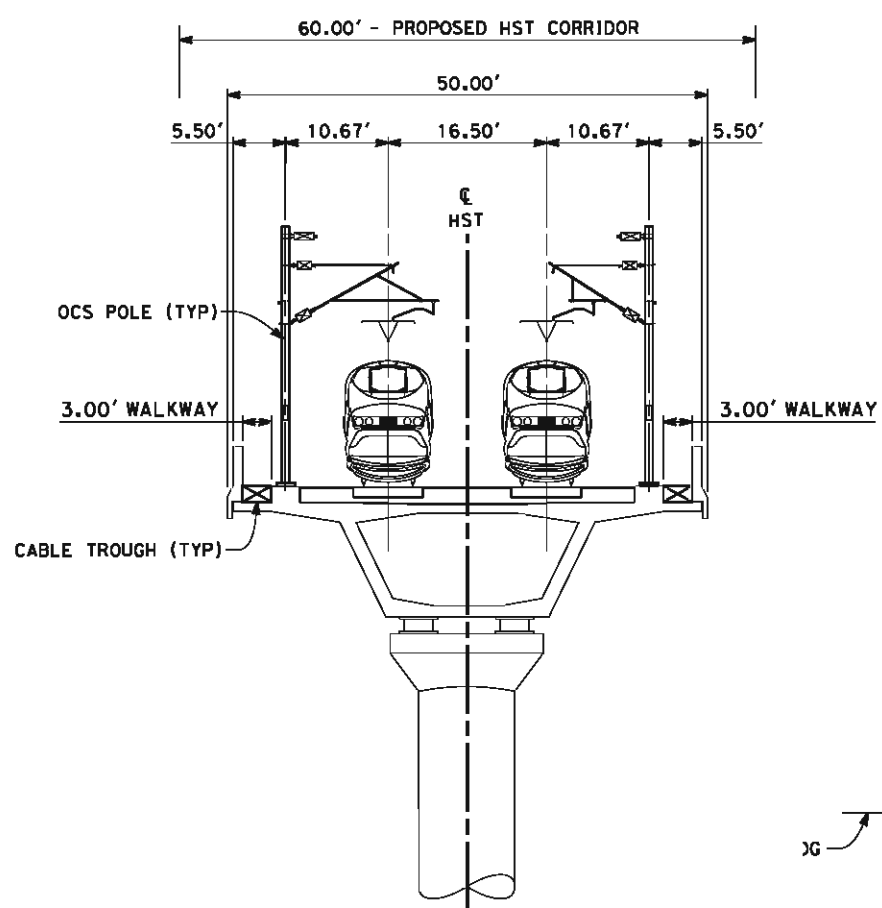


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
STA. 4870+00 TO 4924+26
PLAN AND PROFILE

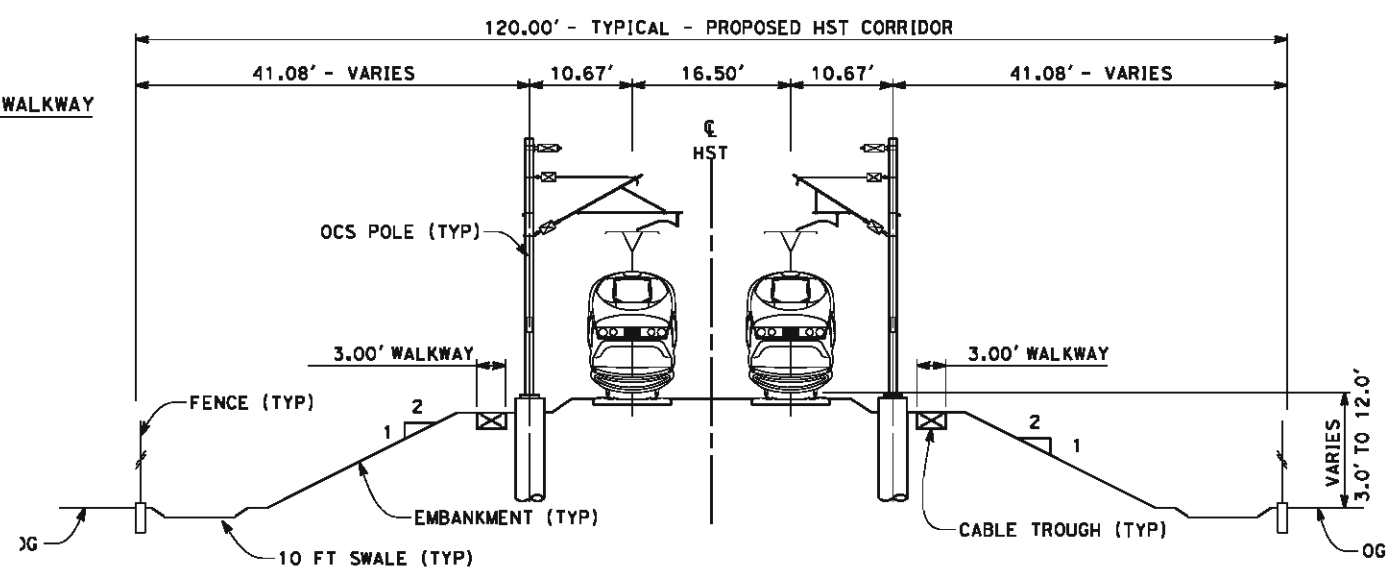
CONTRACT NO.
HSR 06-0020
DRAWING NO.
CB1438
SCALE
AS SHOWN
SHEET NO.
19 OF 21

5/18/2012 1:53:43 PM \\global\americas\jabs\F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\A2\FB-CB-3422-A2.dgn

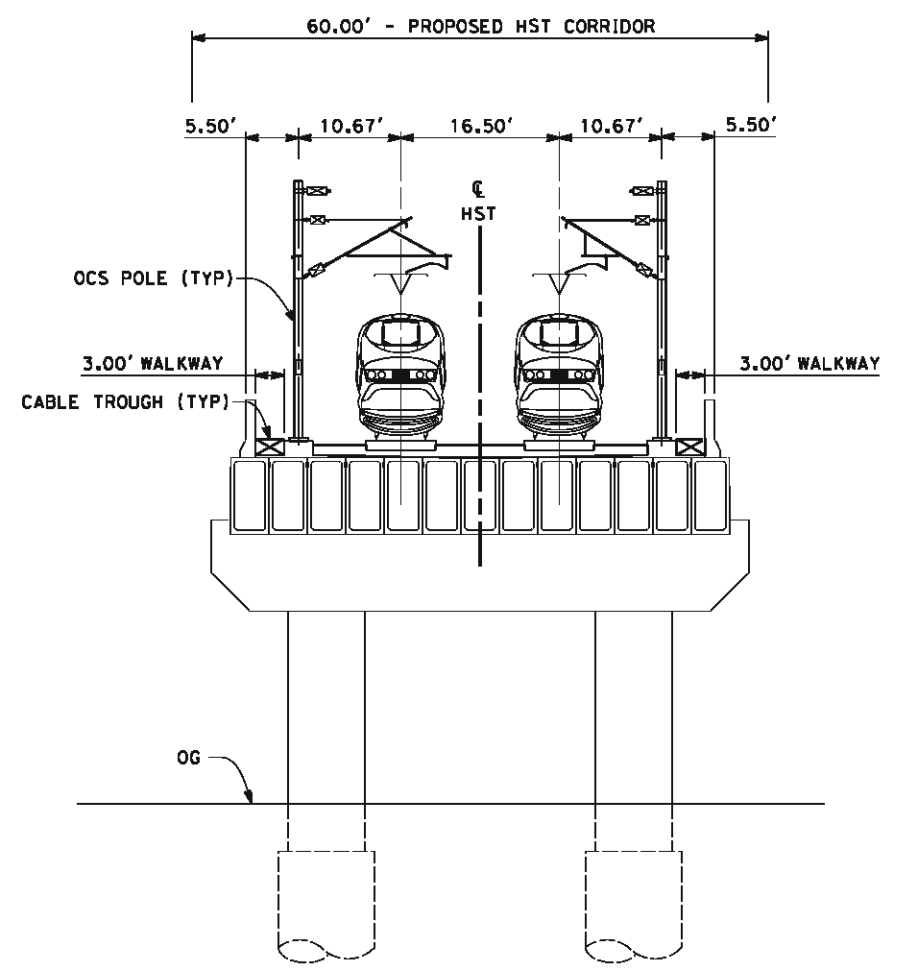
- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPER ELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3
TWIN TRACK - AERIAL STRUCTURE
STA 4007+00 THROUGH STA 4076+00



SECTION 4
TWIN TRACK - EMBANKMENT
STA 4260+00 THROUGH STA 4360+00
STA 4760+00 THROUGH STA 4860+00



SECTION 5
TWIN TRACK - ELEVATED BOX GIRDER STRUCTURE
STA 4452+50 THROUGH STA 4454+50
STA 4528+00 THROUGH STA 4530+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
J. LANGHAM
IN CHARGE
R. COFFIN
DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



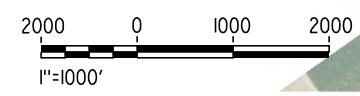
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH ALLENSWORTH SUBSECTION
ALIGNMENT A2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3422
SCALE
AS SHOWN
SHEET NO.
21 OF 21

5/18/2012 4:40:44 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\N1\FB-CB-1525-L1.dgn paul.tonkin



LEGEND
 ---+---+ EXISTING FREIGHT RAILROAD
 ——— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

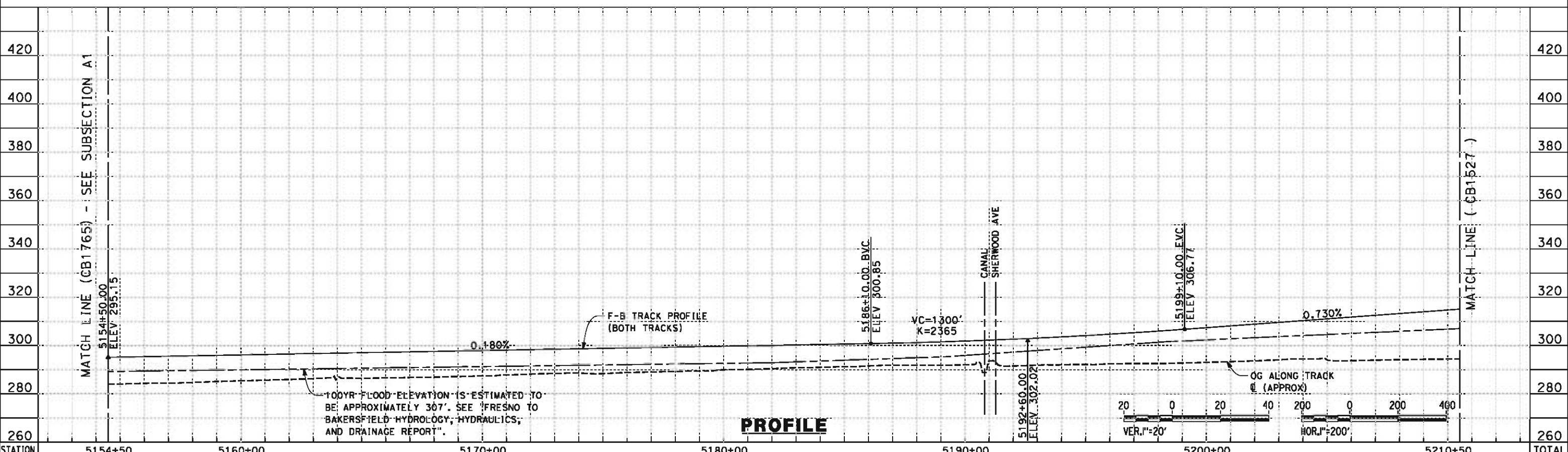
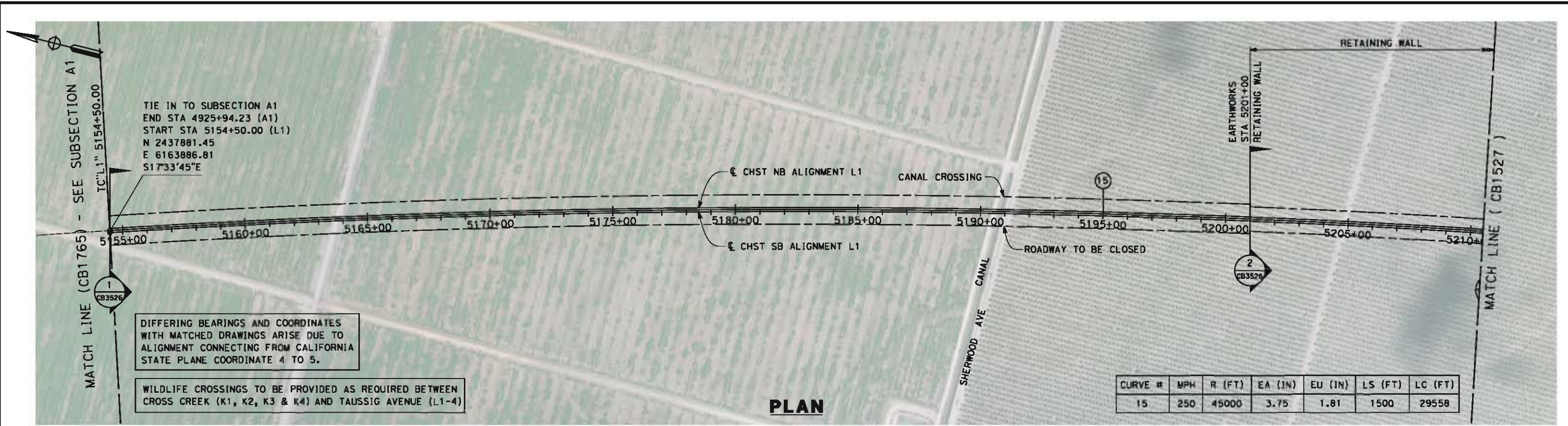
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 POSO CREEK SUBSECTION
 ALIGNMENT L1
 STA. 5154+50 TO 5322+33
 KEY MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1525
 SCALE
AS SHOWN
 SHEET NO.
1 OF 6

5/14/2012 5:45:42 PM \\global\amer\cas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\1\FB-CB-1526-L1.dgn paul.tankin



STATION	5154+50	5160+00	5170+00	5180+00	5190+00	5200+00	5210+50	TOTAL
Exc								
Emb								

DESIGNED BY
G. MEJIA

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L1
 STA. 5154+50 TO 5210+50
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

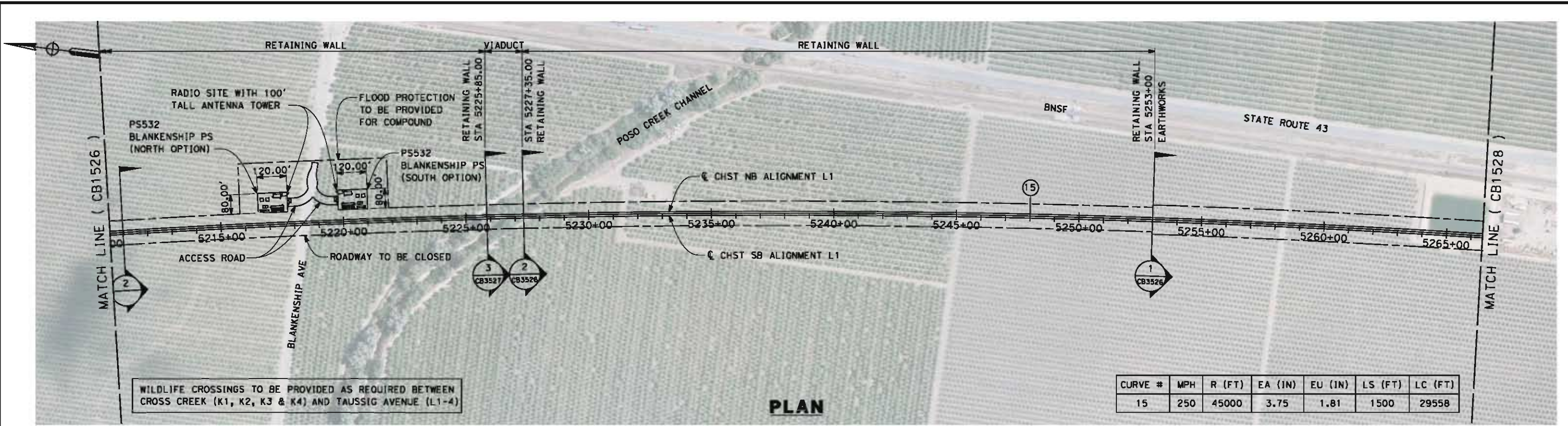
DRAWING NO.
CB1526

SCALE
AS SHOWN

SHEET NO.
2 OF 6

REV	DATE	BY	CHK	APP	DESCRIPTION

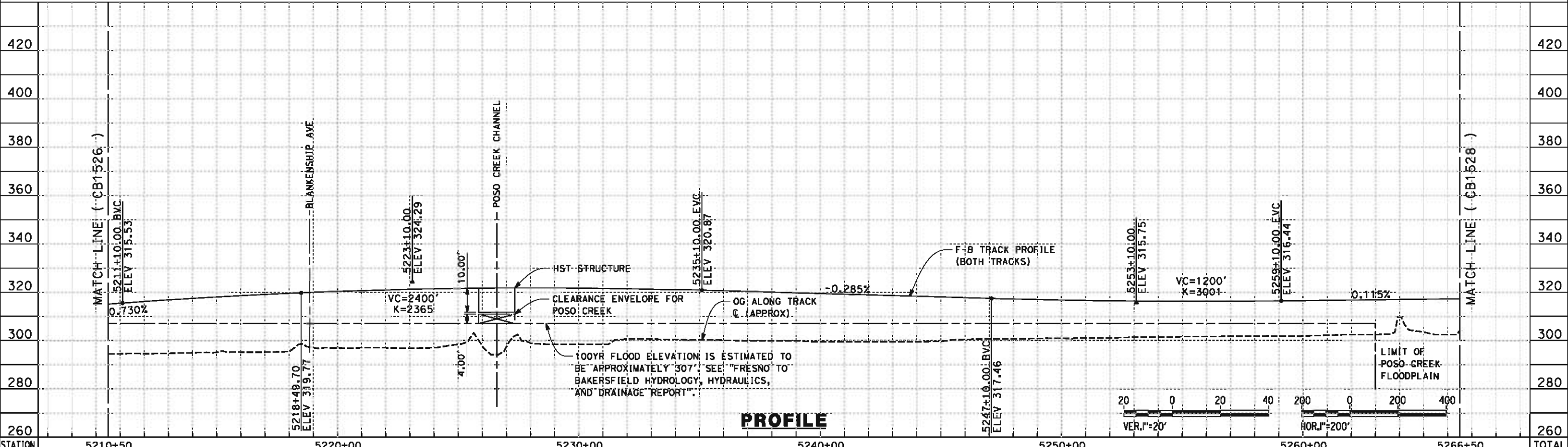
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
15	250	45000	3.75	1.81	1500	29558

PLAN



PROFILE

STATION	5210+50	5220+00	5230+00	5240+00	5250+00	5260+00	5266+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

Exc								
Emb								

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

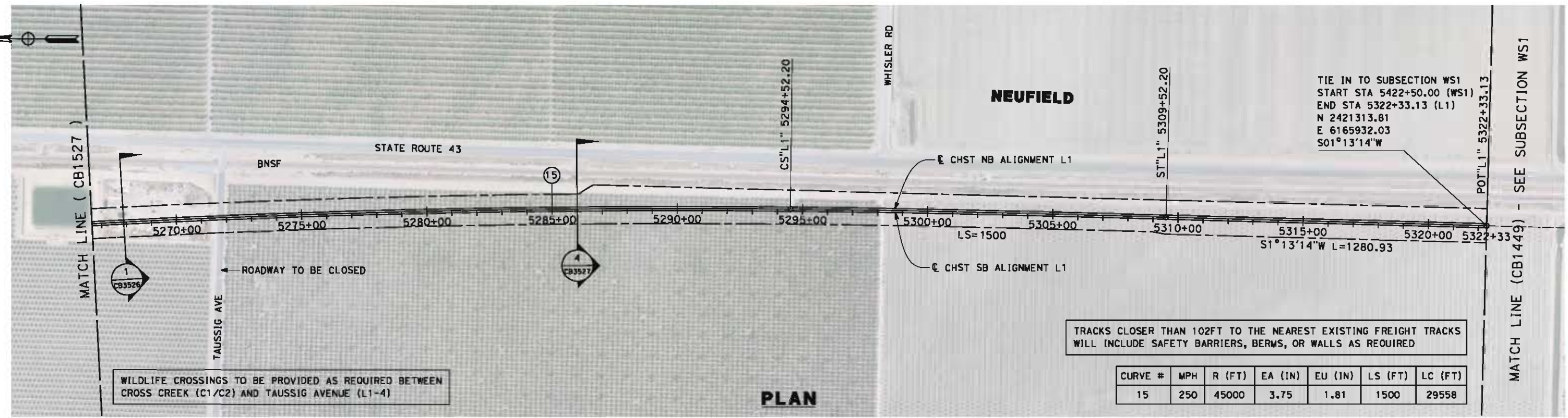
NOT FOR
CONSTRUCTION



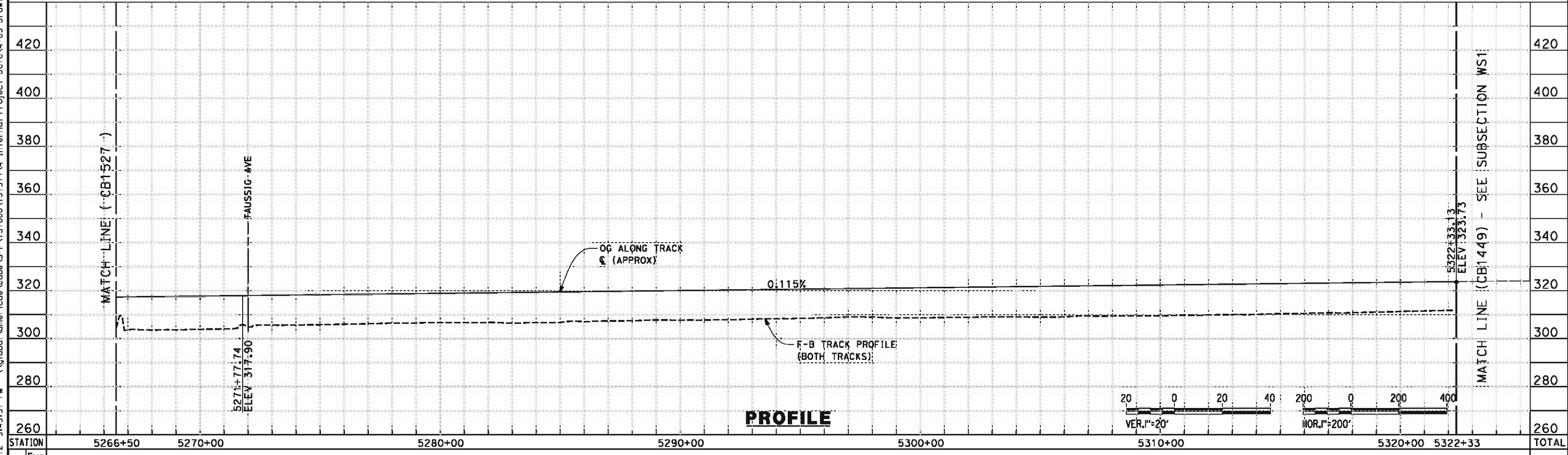
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5210+50 TO 5266+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1527
SCALE
AS SHOWN
SHEET NO.
3 OF 6

5/14/2012 5:45:51 PM \\global\amer\cas\jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\1\FB-CB-1528-L1.dgn paul.tankin



PLAN



PROFILE

STATION	5266+50	5270+00	5280+00	5290+00	5300+00	5310+00	5320+00	5322+33	TOTAL
CY Exc									
CY Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

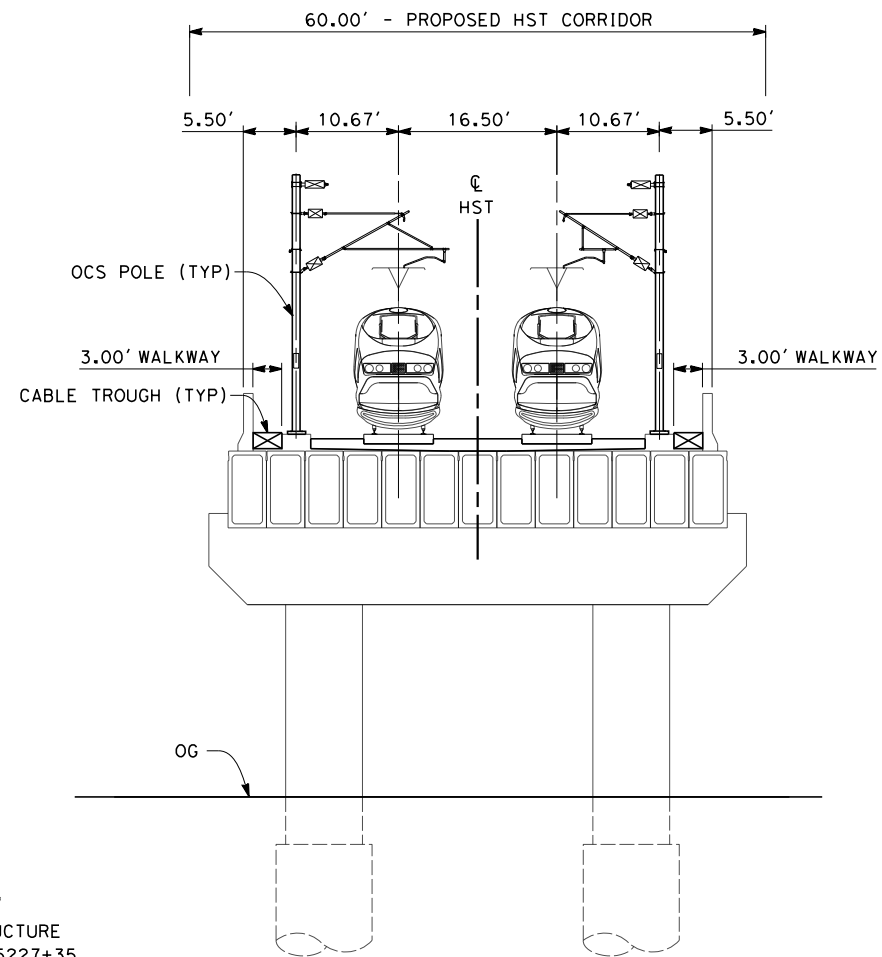
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
POSO CREEK SUBSECTION
ALIGNMENT L1
STA. 5266+50 TO 5322+33
PLAN AND PROFILE

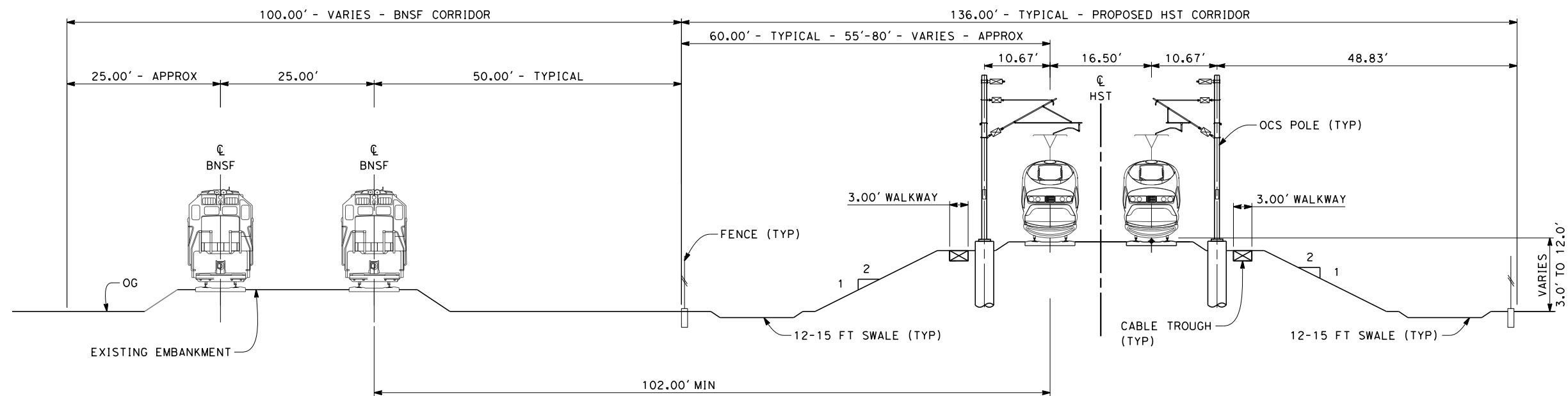
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1528
SCALE
AS SHOWN
SHEET NO.
4 OF 6

eron_sudhausen 7/10/2012 10:59:18 AM J:\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\1\FB-CB-3527-L1.dgn



SECTION 3
 TWIN TRACK - AERIAL STRUCTURE
 STA 5225+85 THROUGH STA 5227+35

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



SECTION 4
 TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT WITH OPEN DRAINAGE
 STA 5286+00 TO STA 5322+33.13



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 G. MEJIA
 DRAWN BY
 P. TONKIN
 CHECKED BY
 D. HUNT
 IN CHARGE
 R. COFFIN
 DATE
 05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L1
 CROSS SECTIONS

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB3527
 SCALE
 AS SHOWN
 SHEET NO.
 6 OF 6

5/17/2012 10:13:14 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\2\FB-CB-1550-L2.dgn



LEGEND

- +—+— EXISTING FREIGHT RAILROAD
- PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L2
 STA. 5154+50 TO 5598+43
 KEY MAP

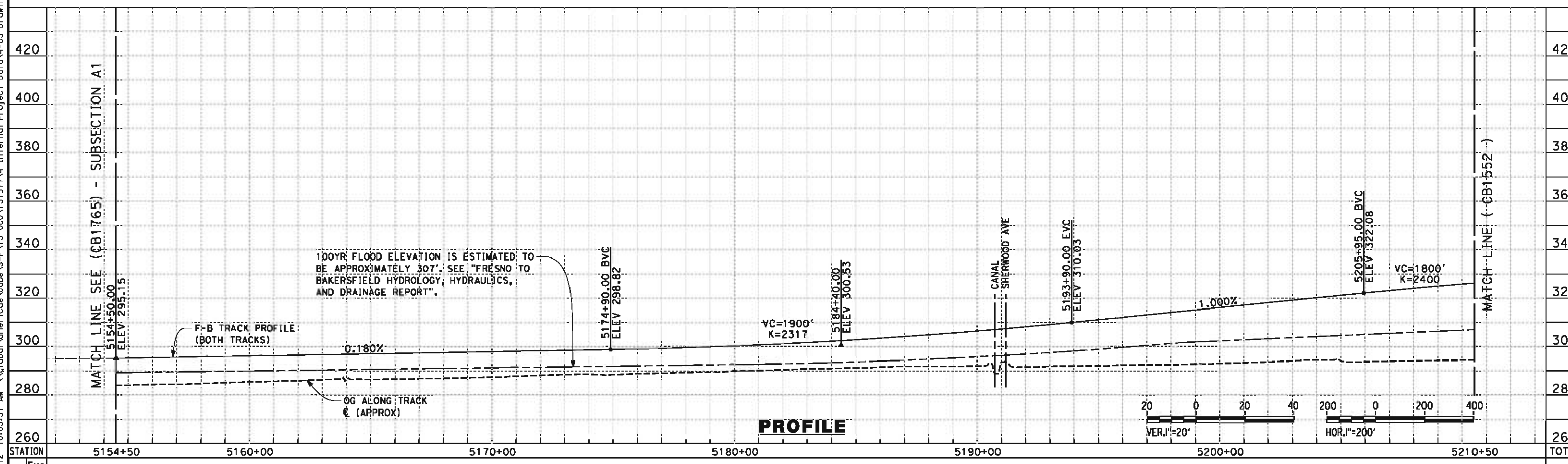
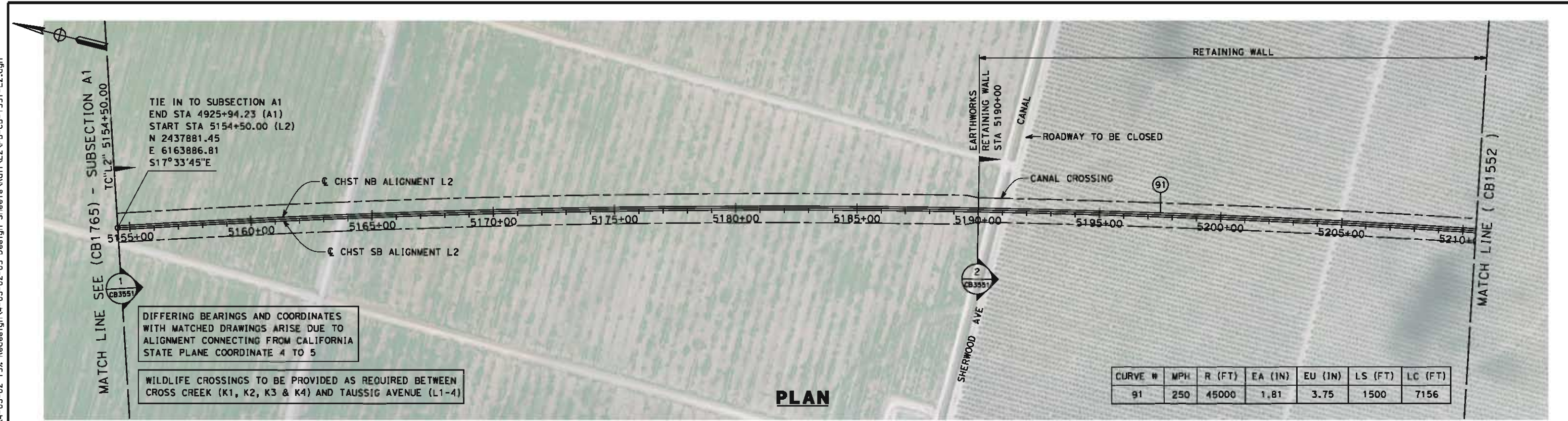
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1550

SCALE
AS SHOWN

SHEET NO.
1 OF 13

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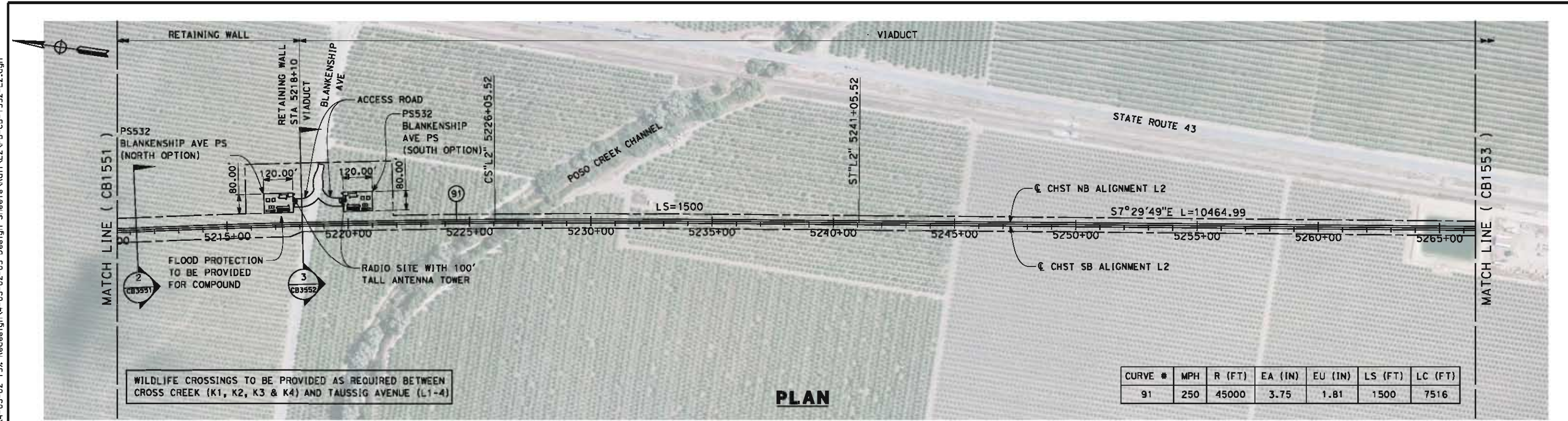


STATION	5154+50	5160+00	5170+00	5180+00	5190+00	5200+00	5210+50	TOTAL
CY	Exc							
	Emb							

DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD POSO CREEK SUBSECTION ALIGNMENT L2 STA. 5154+50 TO 5210+50 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY P. TONKIN					DRAWING NO. CB1551
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE R. COFFIN					SHEET NO. 2 OF 13
DATE 05/18/12					

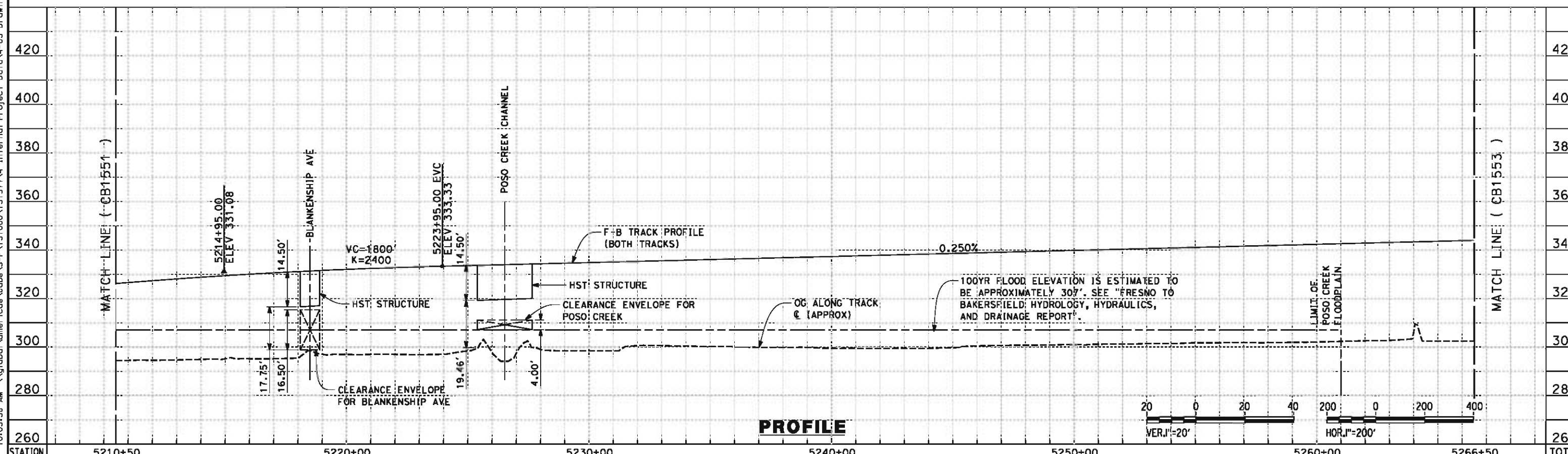
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
91	250	45000	3.75	1.81	1500	7516



STATION	5210+50	5220+00	5230+00	5240+00	5250+00	5260+00	5266+50	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

POS0 CREEK SUBSECTION
ALIGNMENT L2
STA. 5210+50 TO 5266+50
PLAN AND PROFILE

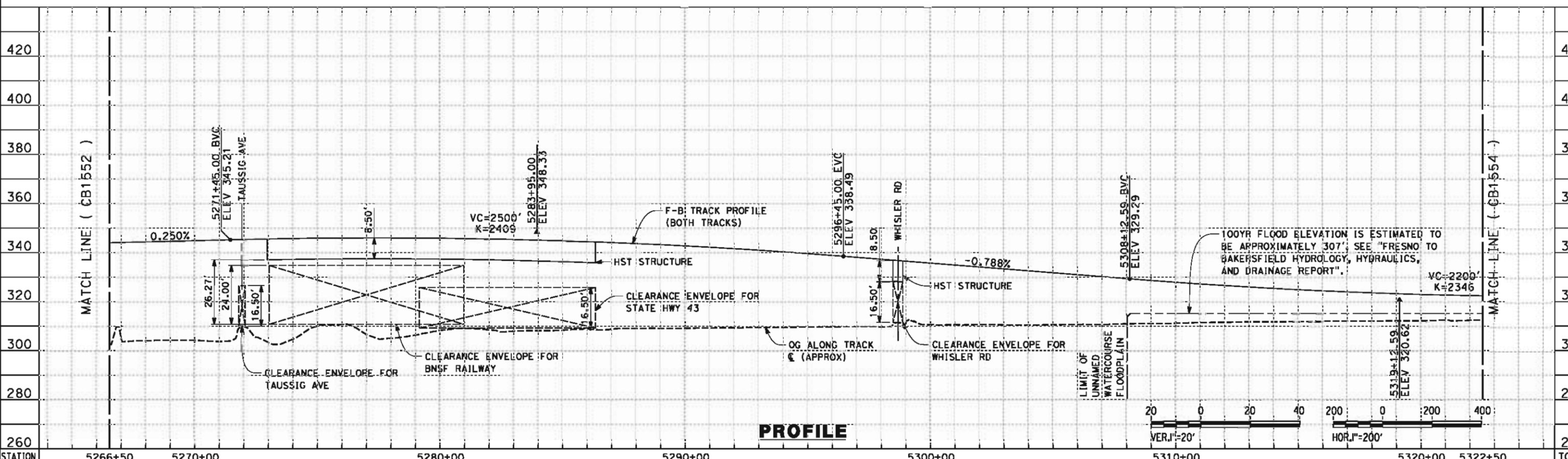
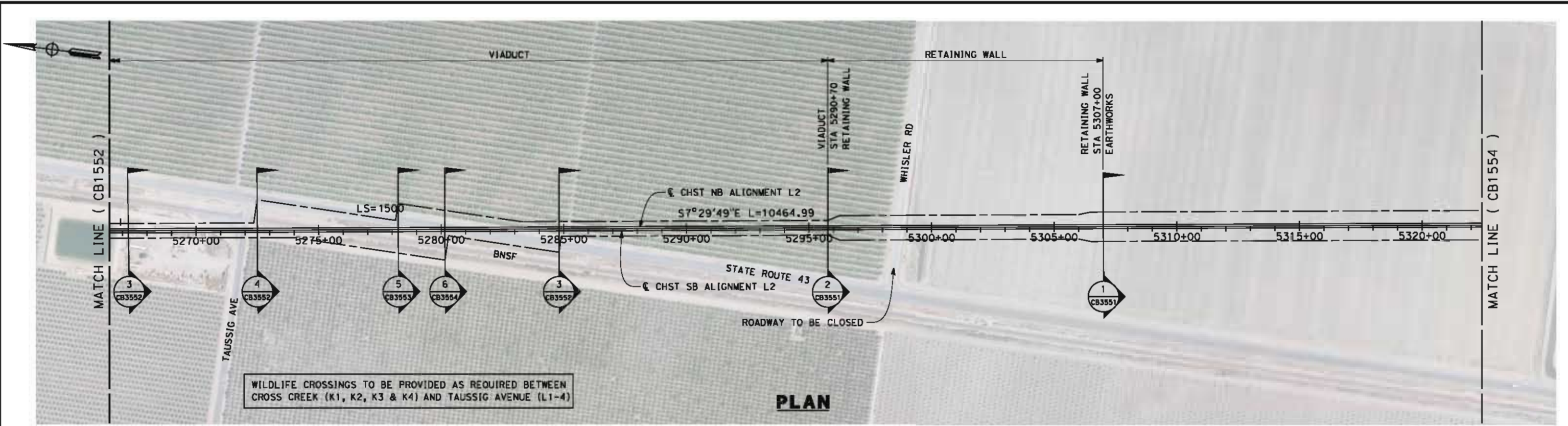
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1552

SCALE
AS SHOWN

SHEET NO.
3 OF 13

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STATION	5266+50	5270+00	5280+00	5290+00	5300+00	5310+00	5320+00	5322+50	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

POSO CREEK SUBSECTION
ALIGNMENT L2
STA. 5266+50 TO 5322+50
PLAN AND PROFILE

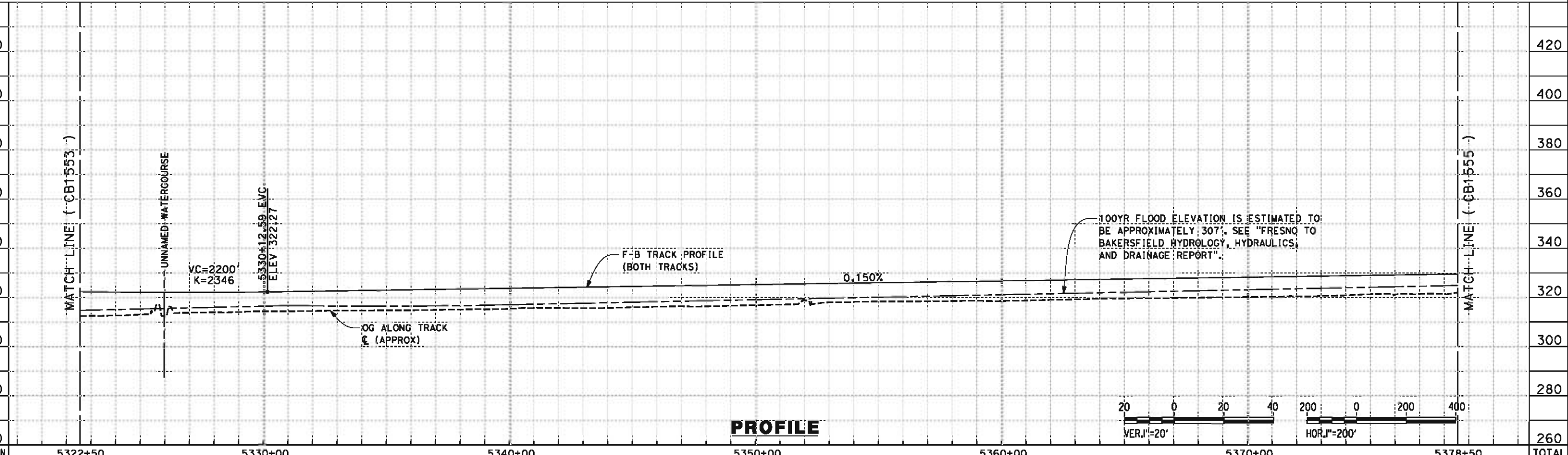
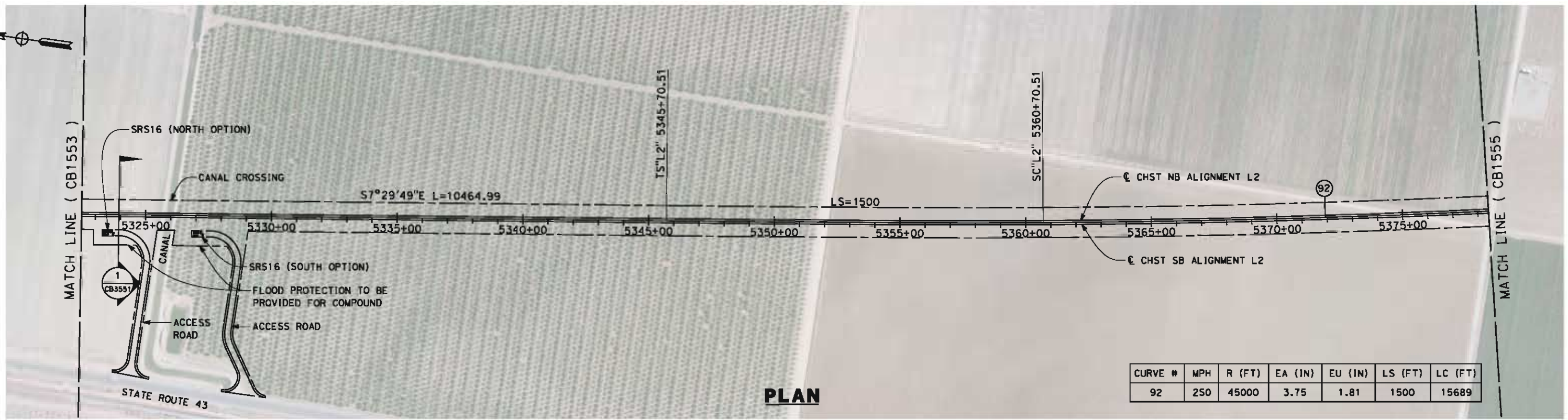
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1553

SCALE
AS SHOWN

SHEET NO.
4 OF 13

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STATION	5322+50	5330+00	5340+00	5350+00	5360+00	5370+00	5378+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

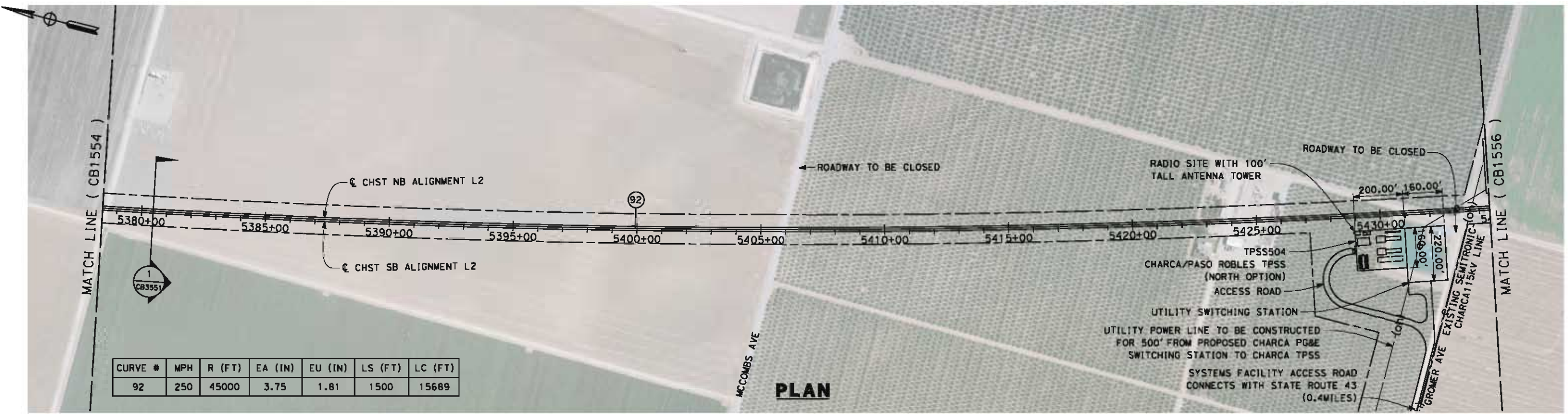
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
POSO CREEK SUBSECTION
ALIGNMENT L2
STA. 5322+50 TO 5378+50
PLAN AND PROFILE

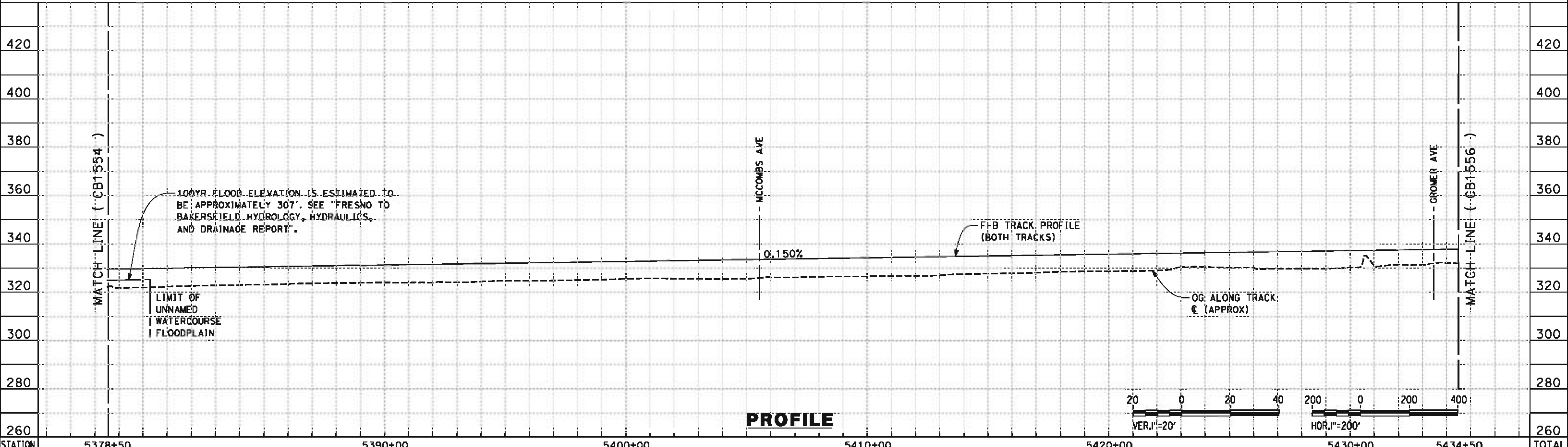
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1554
SCALE
AS SHOWN
SHEET NO.
5 OF 13

geoff.walker 5/14/2012 5:19:18 PM \\global\amer\cas\as-f\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\2\FB-CB-1555-L2.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
92	250	45000	3.75	1.81	1500	15689

PLAN



PROFILE

STATION	5378+50	5390+00	5400+00	5410+00	5420+00	5430+00	5434+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

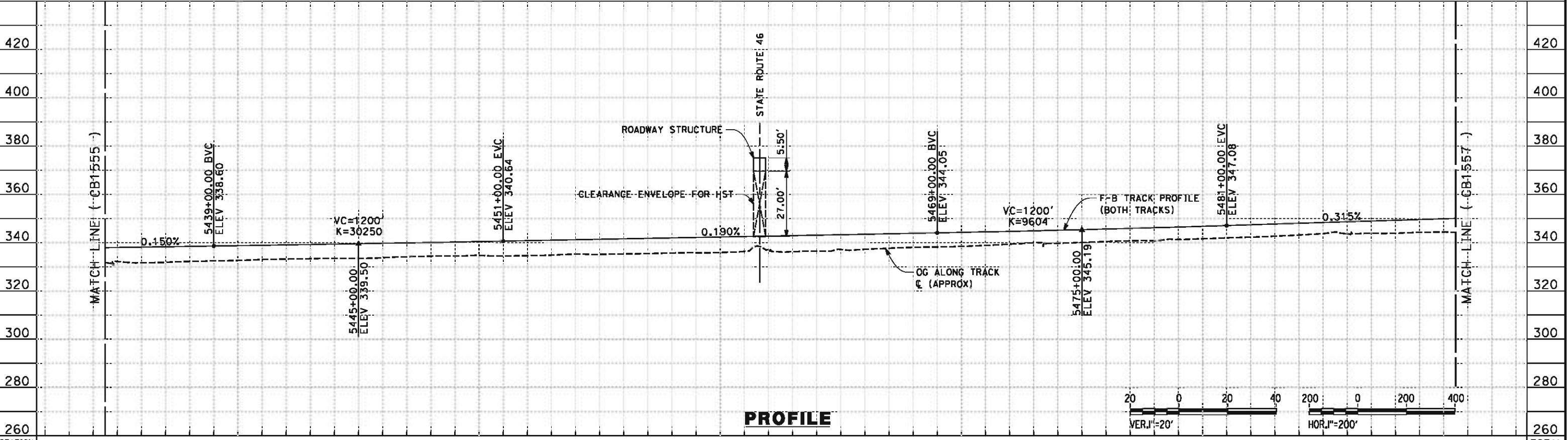
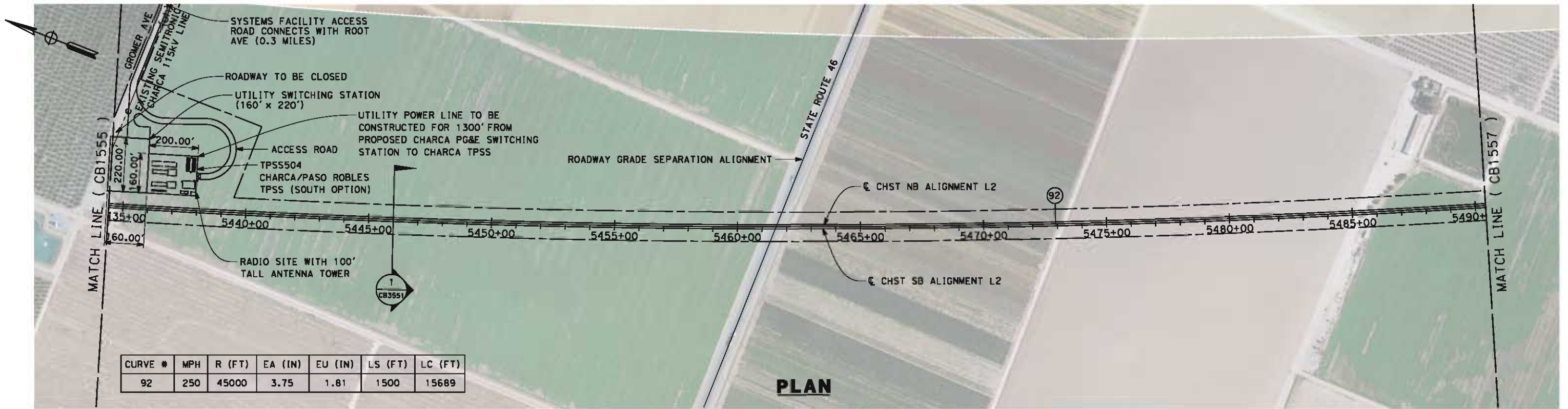
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L2
 STA. 5378+50 TO 5434+50
 PLAN AND PROFILE

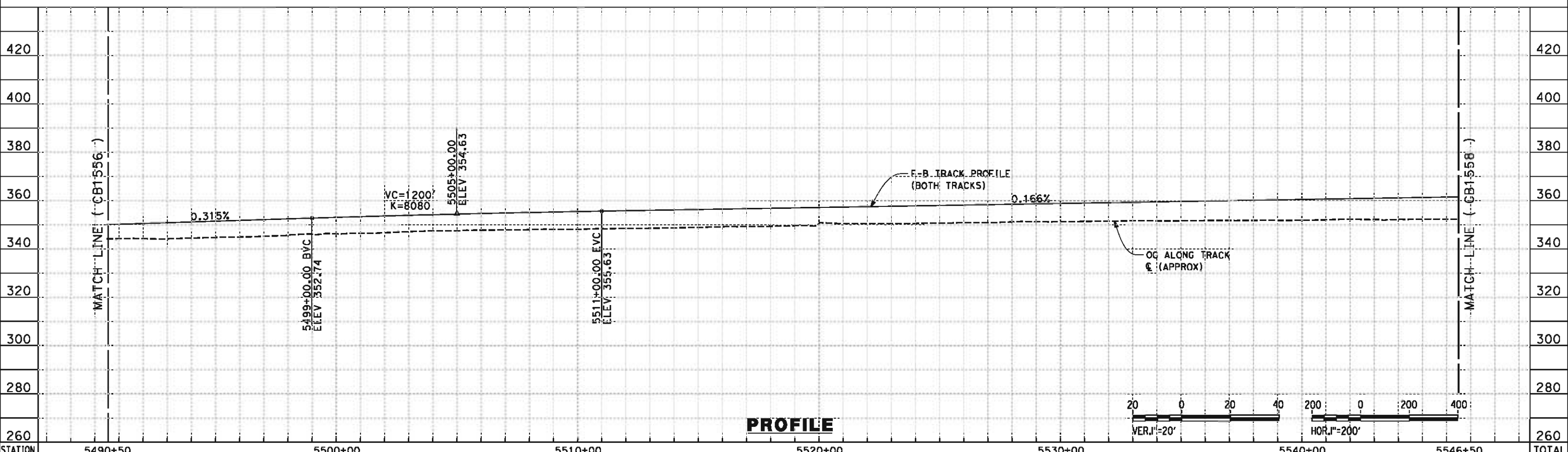
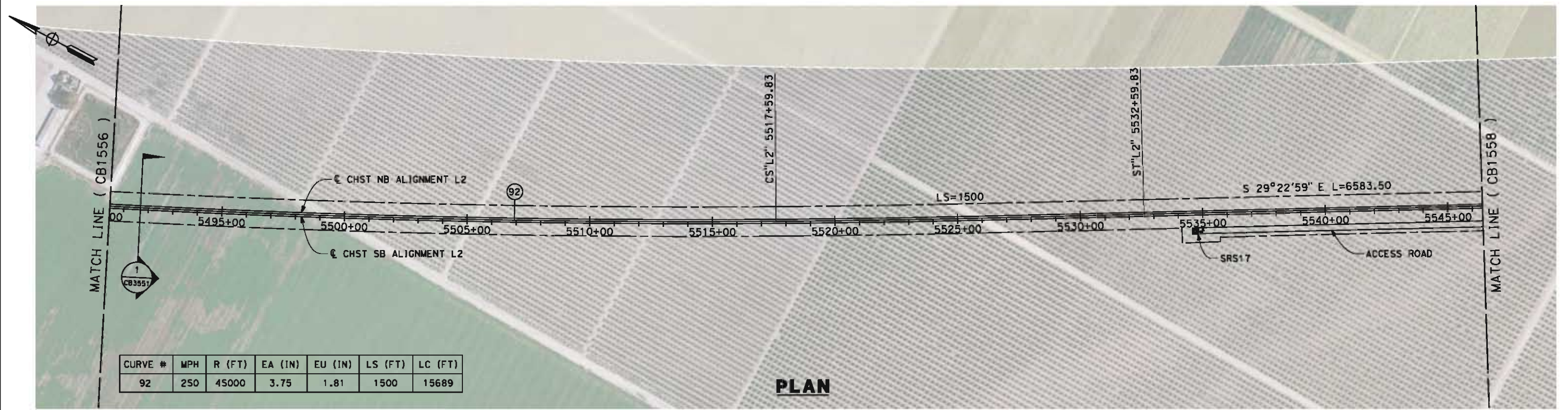
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1555
 SCALE
AS SHOWN
 SHEET NO.
6 OF 13



STATION	5434+50	5440+00	5450+00	5460+00	5470+00	5480+00	5490+50	TOTAL
CY Exc								
CY Emb								

DESIGNED BY G. MEJIA DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE R. COFFIN DATE 05/18/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	LRS HMM ARUP 	CALIFORNIA HIGH-SPEED RAIL AUTHORITY
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD POSO CREEK SUBSECTION ALIGNMENT L2 STA. 5434+50 TO 5490+50 PLAN AND PROFILE			
CONTRACT NO. HSR 06-0003 DRAWING NO. CB1556 SCALE AS SHOWN SHEET NO. 7 OF 13			

5/15/2012 10:04:18 AM \\global\amer\cas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\L2\FB-CB-1557-L2.dgn



STATION	5490+50	5500+00	5510+00	5520+00	5530+00	5540+00	5546+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

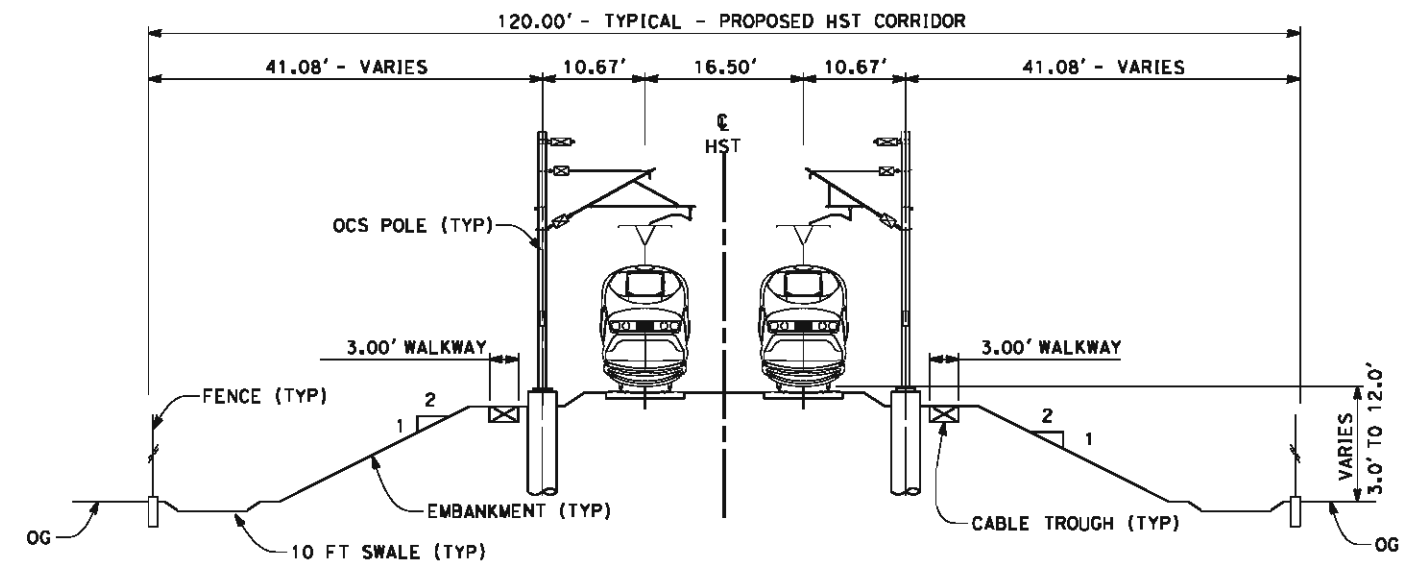


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
POSO CREEK SUBSECTION
ALIGNMENT L2
STA. 5490+50 TO 5546+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1557
SCALE
AS SHOWN
SHEET NO.
8 OF 13

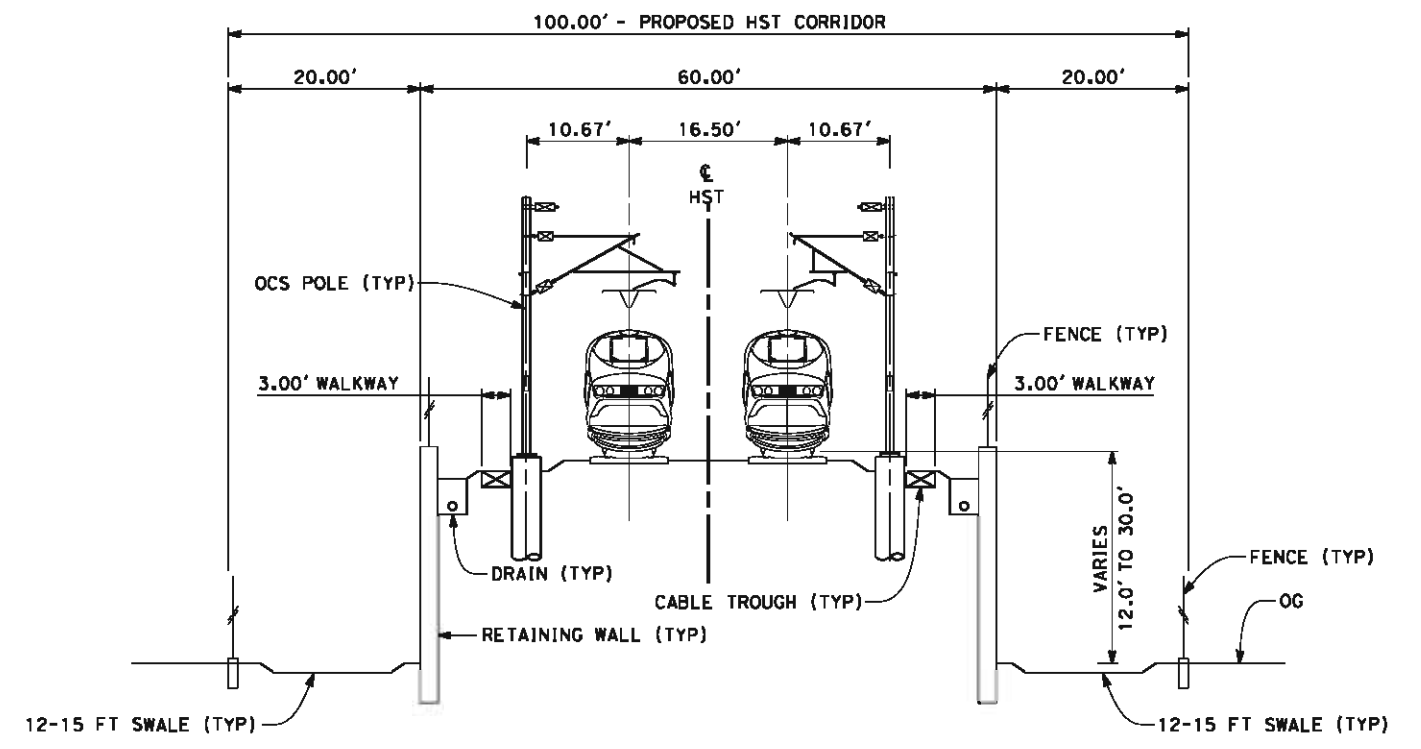
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



SECTION 1

TWIN TRACKS - EMBANKMENT WITH OPEN DRAINAGE
 STA 5154+50 THROUGH STA 5190+00
 STA 5307+00 THROUGH STA 5598+43



SECTION 2

TWIN TRACKS - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 5190+00 THROUGH STA 5218+10
 STA 5299+10 THROUGH STA 5307+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

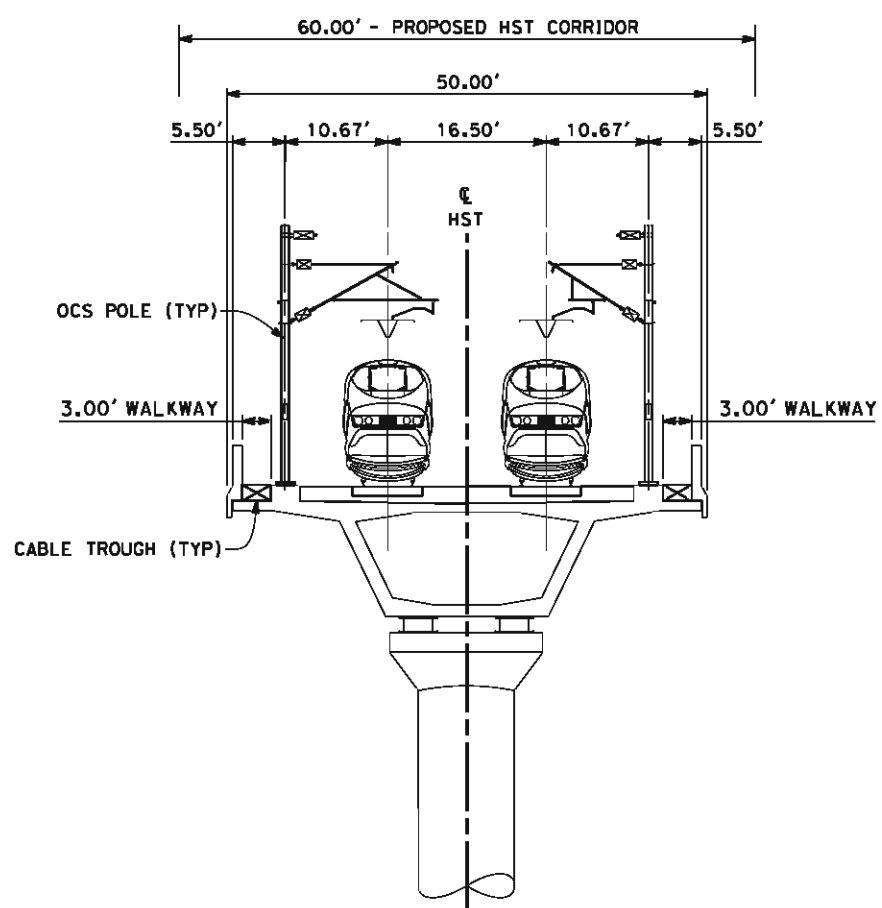
DRAWING NO.
CB3551

SCALE
AS SHOWN

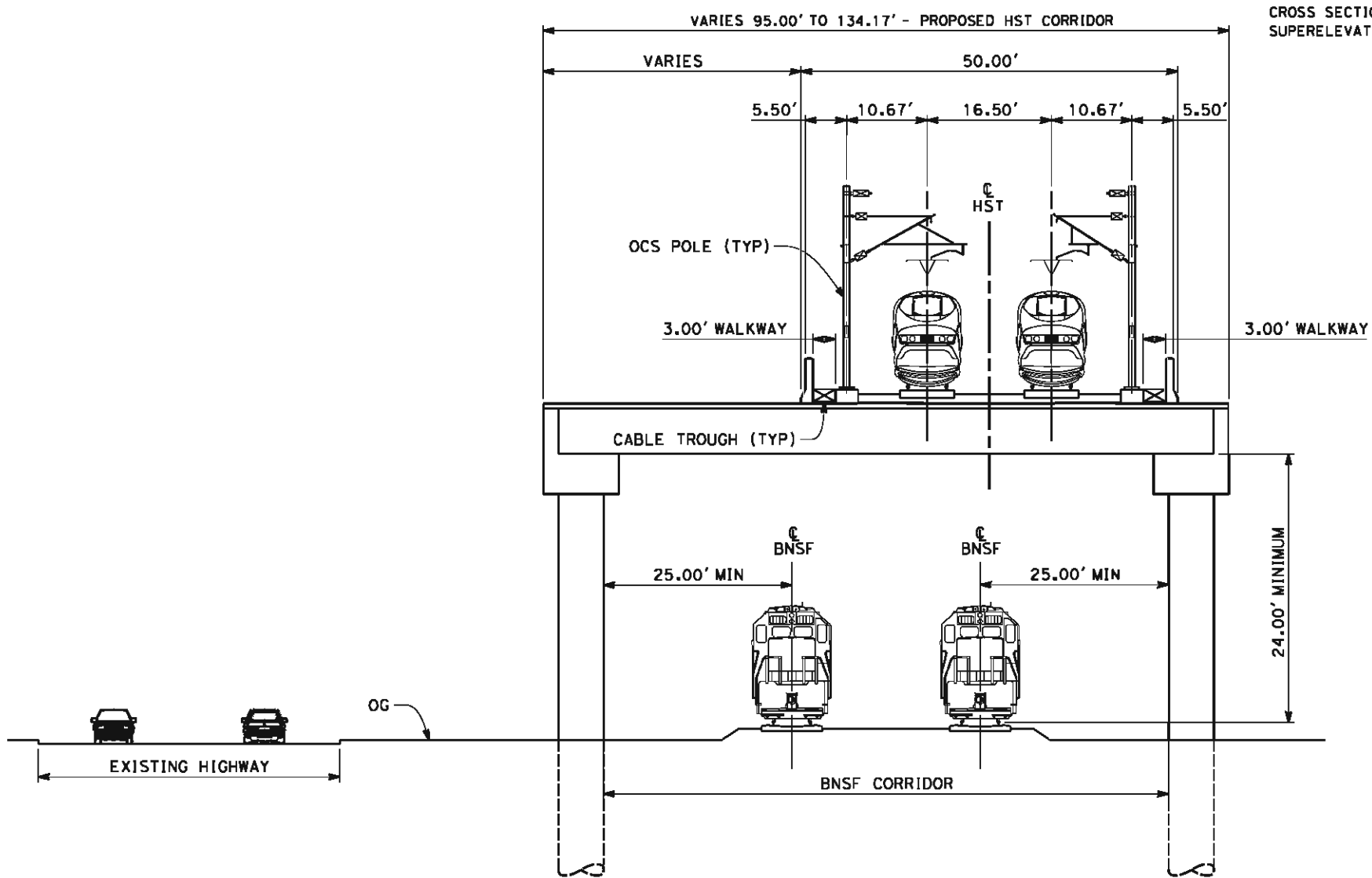
SHEET NO.
10 OF 13

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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.



SECTION 3
 TWIN TRACKS - AERIAL VIADUCT
 STA 5218+10 THROUGH STA 5272+50
 STA 5284+70 THROUGH STA 5299+10



SECTION 4
 TWIN TRACKS - ELEVATED SLAB OVER BNSF
 STA 5272+50 THROUGH STA 5278+25



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

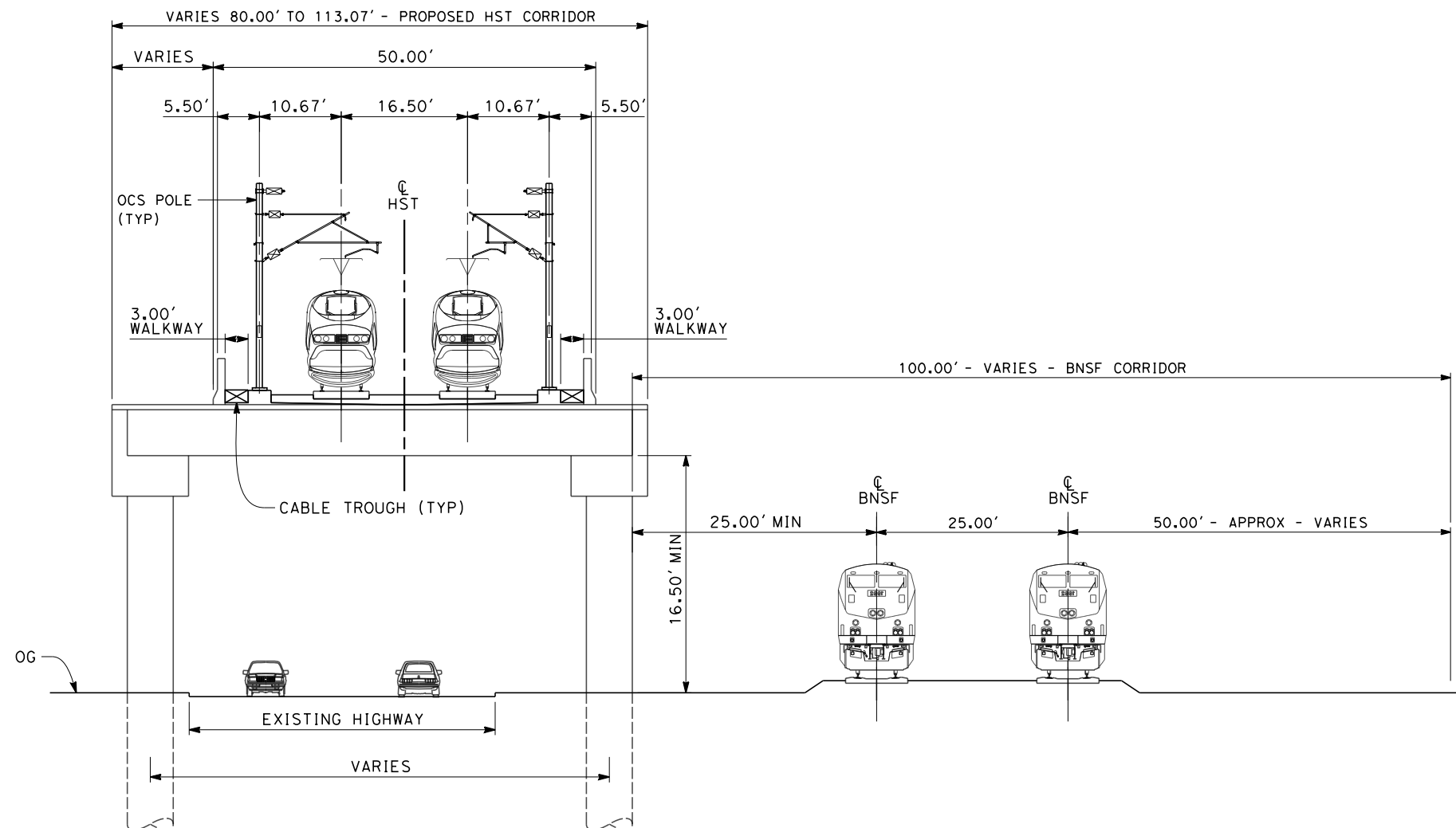


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3552
 SCALE
AS SHOWN
 SHEET NO.
11 OF 13

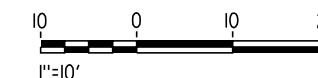
NOTES:

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.



SECTION 6

TWIN TRACKS - ELEVATED SLAB OVER HIGHWAY
 STA 5280+15 THROUGH STA 5284+70



eron_sudhausen 7/10/2012 11:02:13 AM J:\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\L2\FB-CB-3554-L2.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 G. MEJIA
 DRAWN BY
 P. TONKIN
 CHECKED BY
 D. HUNT
 IN CHARGE
 R. COFFIN
 DATE
 05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



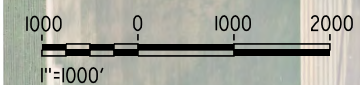
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 POSO CREEK SUBSECTION
 ALIGNMENT L2
 CROSS SECTIONS

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB3554
 SCALE
 AS SHOWN
 SHEET NO.
 13 OF 13

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LEGEND
 - - - - - EXISTING FREIGHT RAILROAD
 ————— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

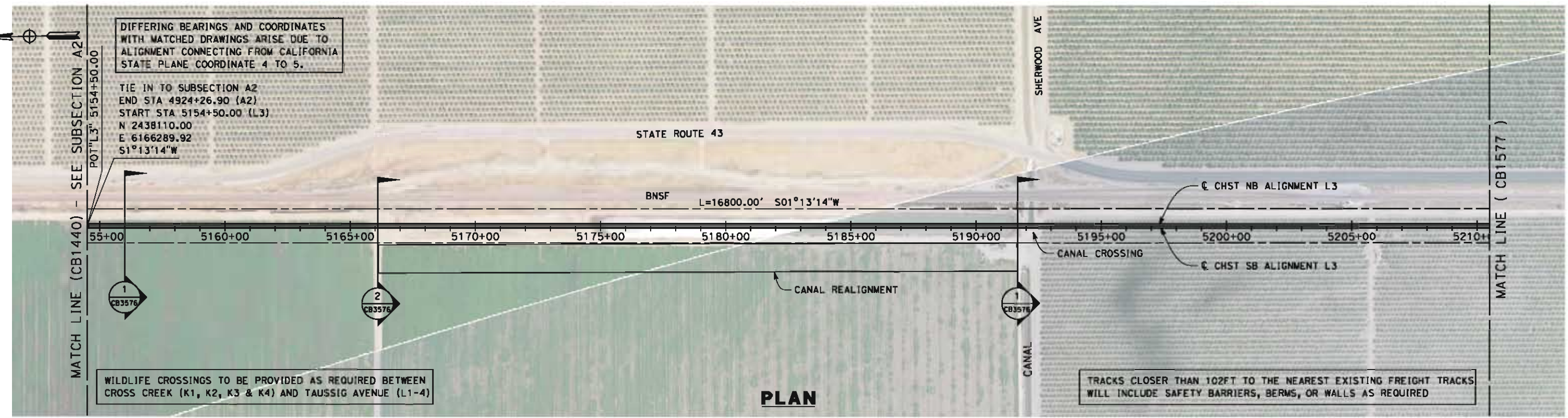
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 POSO CREEK SUBSECTION
 ALIGNMENT L3
 STA. 5154+50 TO 5322+50
 KEY MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1575
 SCALE
AS SHOWN
 SHEET NO.
1 OF 6

5/15/2012 10:16:10 AM \\global\amer\cas\jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\3\FB-CB-1576-L3.dgn paul.tankin



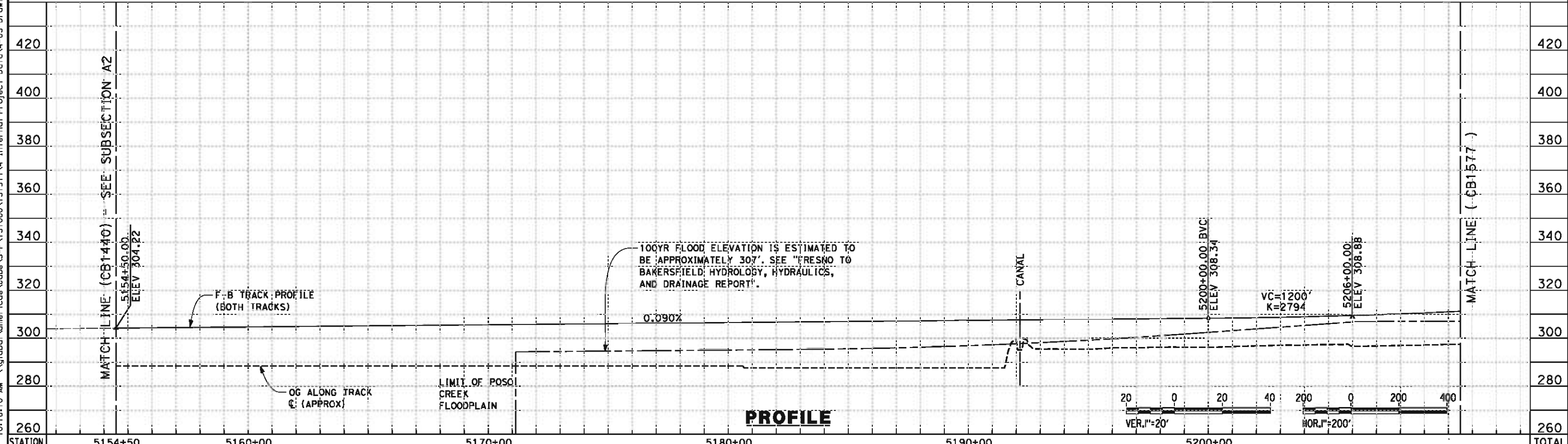
DIFFERING BEARINGS AND COORDINATES WITH MATCHED DRAWINGS ARISE DUE TO ALIGNMENT CONNECTING FROM CALIFORNIA STATE PLANE COORDINATE 4 TO 5.

TIE IN TO SUBSECTION A2
 END STA 4924+26.90 (A2)
 START STA 5154+50.00 (L3)
 N 2438110.00
 E 6166289.92
 S1°13'14\"/>

WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

PLAN



PROFILE

STATION	5154+50	5160+00	5170+00	5180+00	5190+00	5200+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb					
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

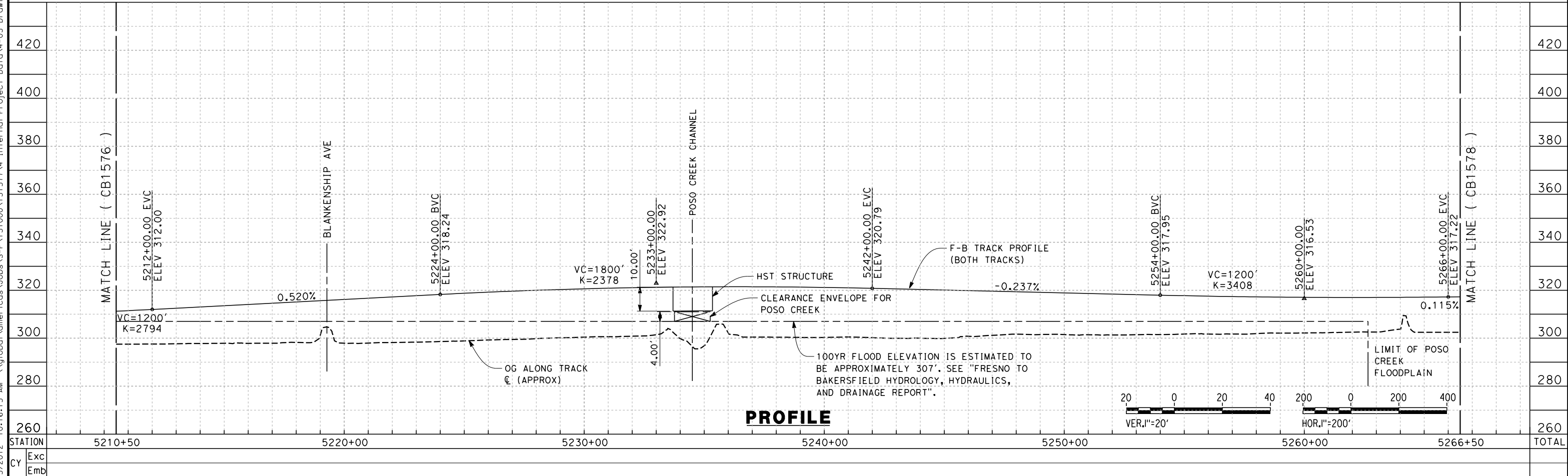
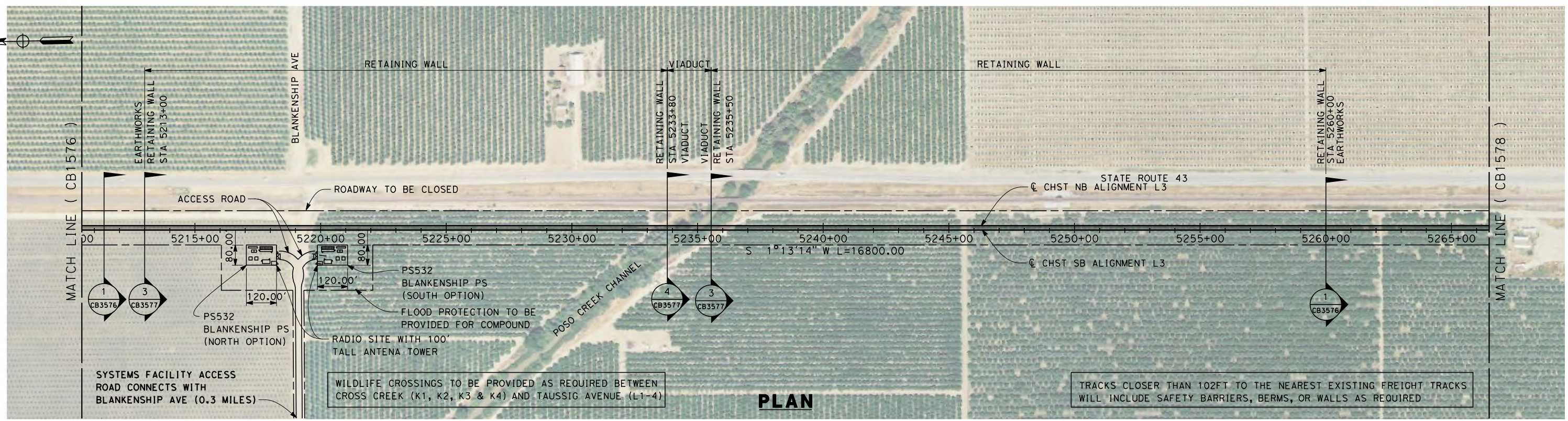
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 POSO CREEK SUBSECTION
 ALIGNMENT L3
 STA. 5154+50 TO 5210+50
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1576
 SCALE
AS SHOWN
 SHEET NO.
2 OF 6

5/15/2012 10:16:15 AM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\N3\FB-CB-1577-L3.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

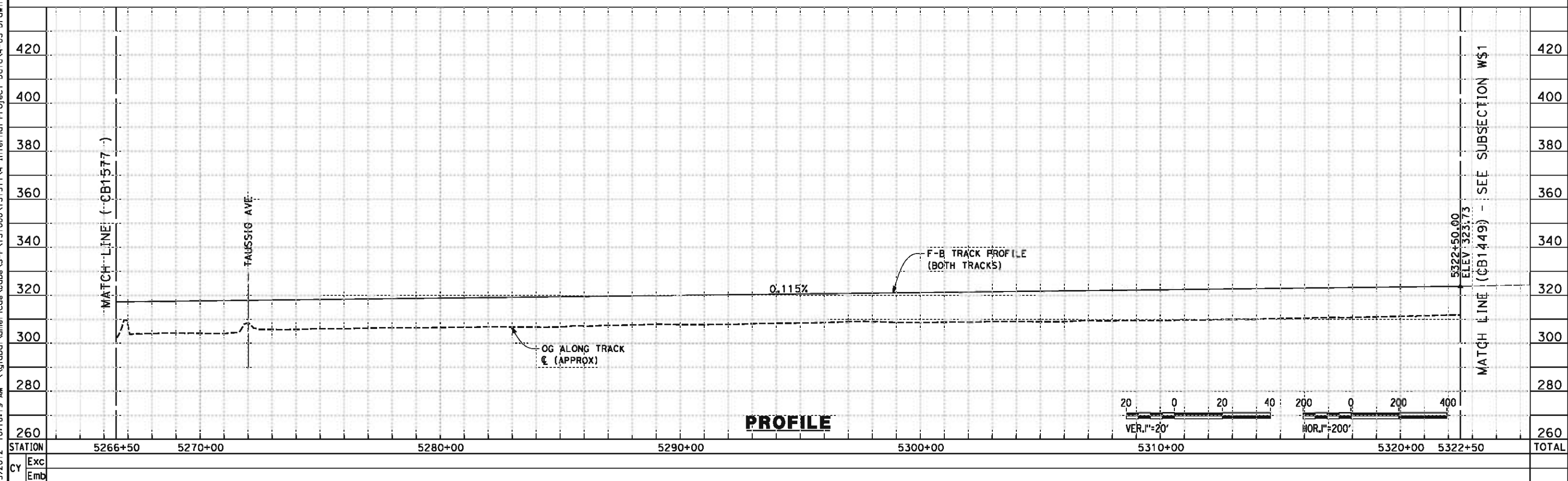
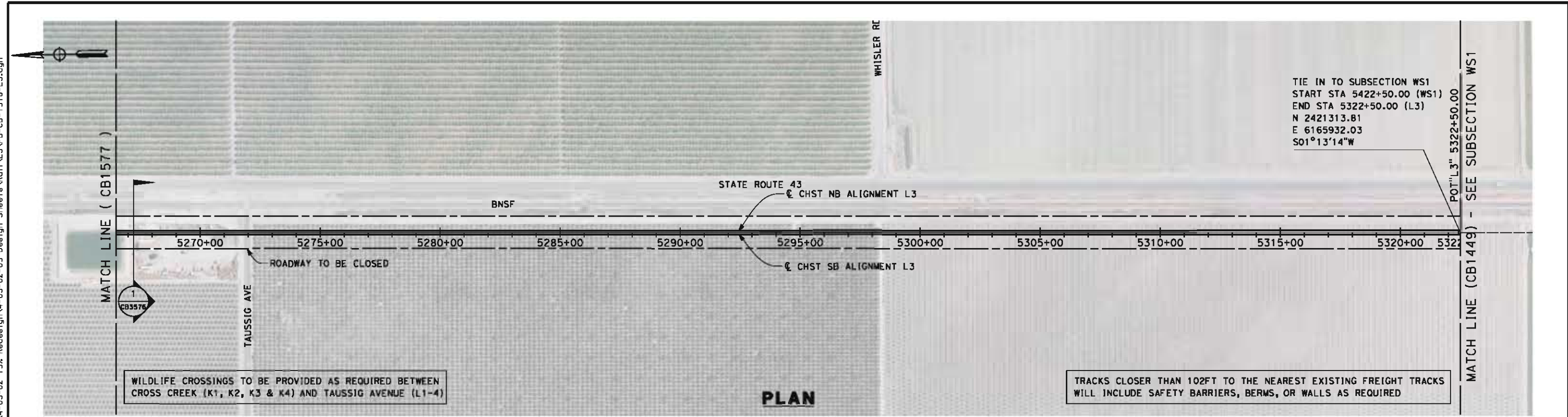


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

POSO CREEK SUBSECTION
ALIGNMENT L3
STA. 5210+50 TO 5266+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1577
SCALE
AS SHOWN
SHEET NO.
3 OF 6

5/15/2012 10:16:19 AM \\global\amer\cas\Jobs\AS-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\3\FB-CB-1578-L3.dgn



STATION	5266+50	5270+00	5280+00	5290+00	5300+00	5310+00	5320+00	5322+50	TOTAL
Exc									
Emb									

DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD POSO CREEK SUBSECTION ALIGNMENT L3 STA. 5266+50 TO 5322+50 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY P. TONKIN				DRAWING NO. CB1578
CHECKED BY D. HUNT				SCALE AS SHOWN
IN CHARGE R. COFFIN				SHEET NO. 4 OF 6
DATE 05/18/12				

5/17/2012 10:11:39 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\N4\FB-CB-1600-L4.dgn



LEGEND

- EXISTING FREIGHT RAILROAD
- PROPOSED CHST

2000 0 2000 4000
1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

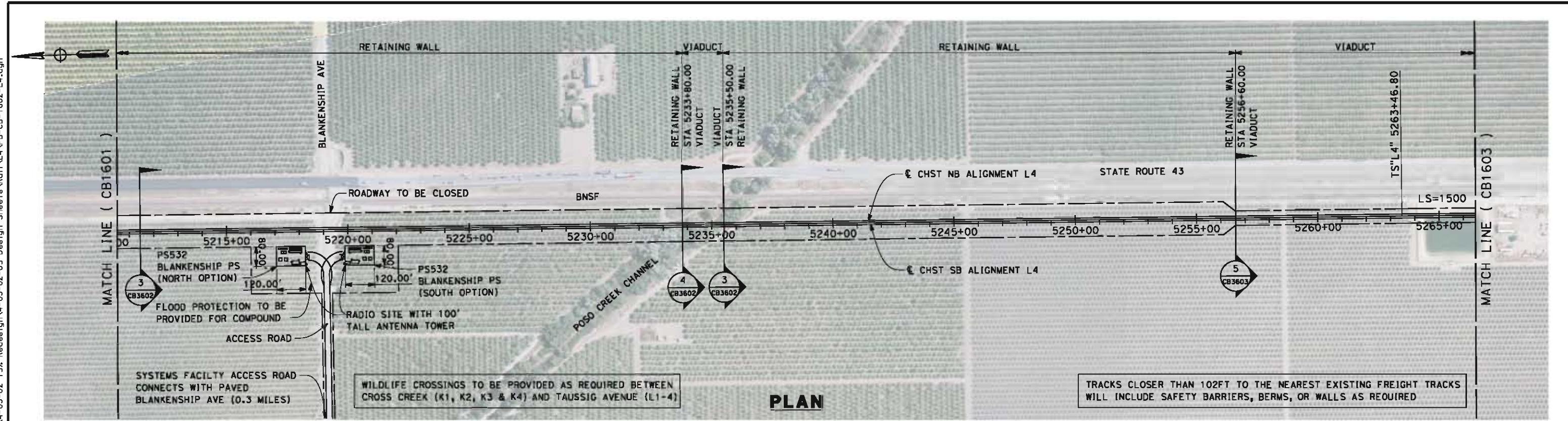


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

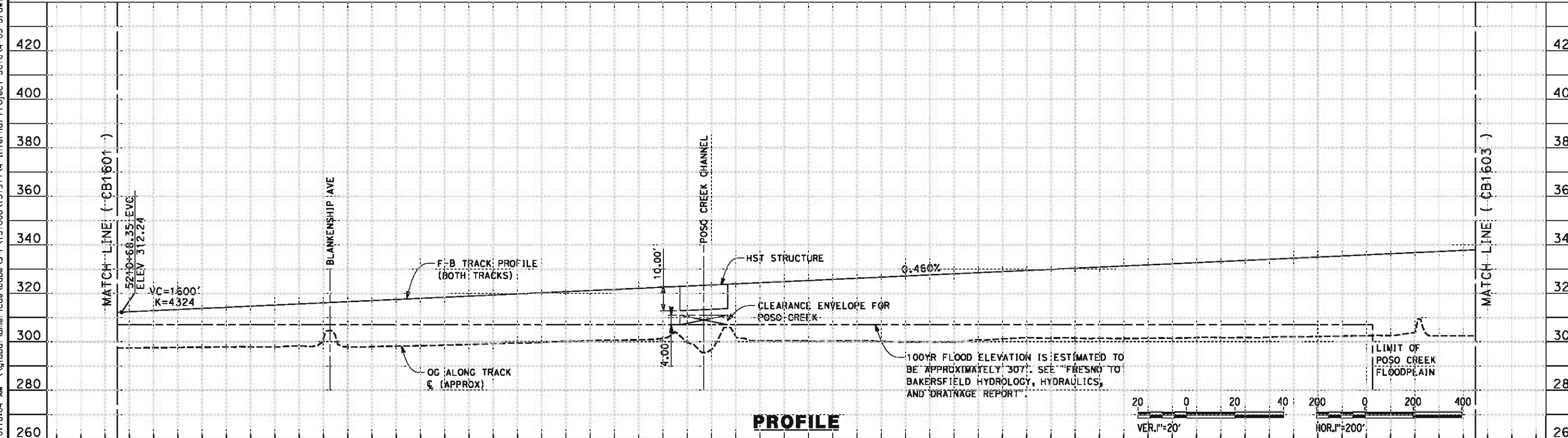
POSO CREEK SUBSECTION
ALIGNMENT L4
STA. 5154+50 TO 5599+86
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1600
SCALE
AS SHOWN
SHEET NO.
1 OF 15

5/15/2012 10:18:04 AM \\global\amer\cas\jabs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\L4\FB-CB-1602-L4.dgn



PLAN



PROFILE

STATION	5210+50	5220+00	5230+00	5240+00	5250+00	5260+00	5266+50	TOTAL
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CY	Exc	Emb						
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

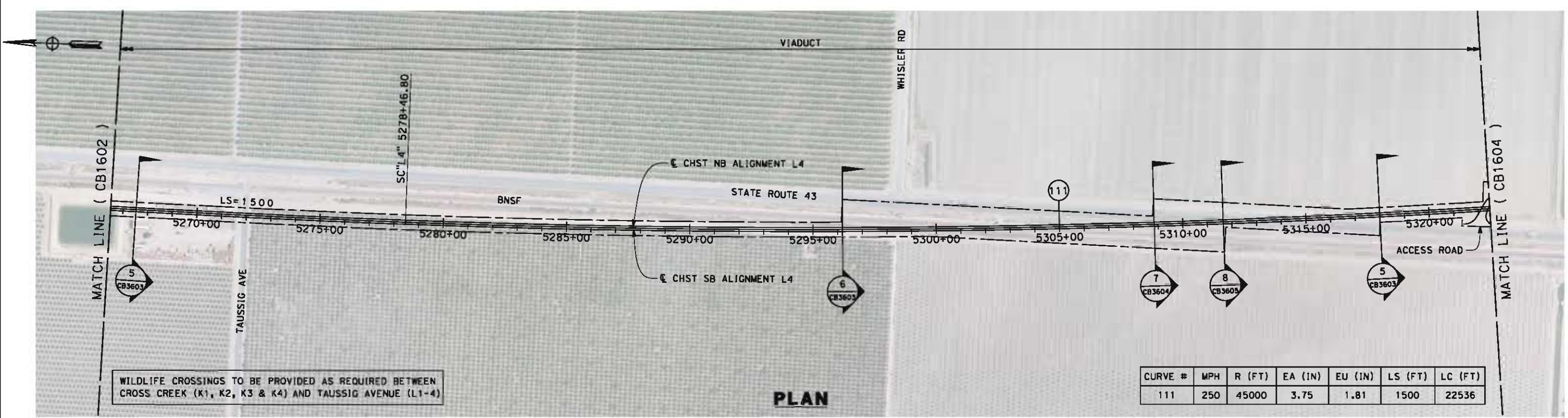
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
POSO CREEK SUBSECTION
ALIGNMENT L4
STA. 5210+50 TO 5266+50
PLAN AND PROFILE

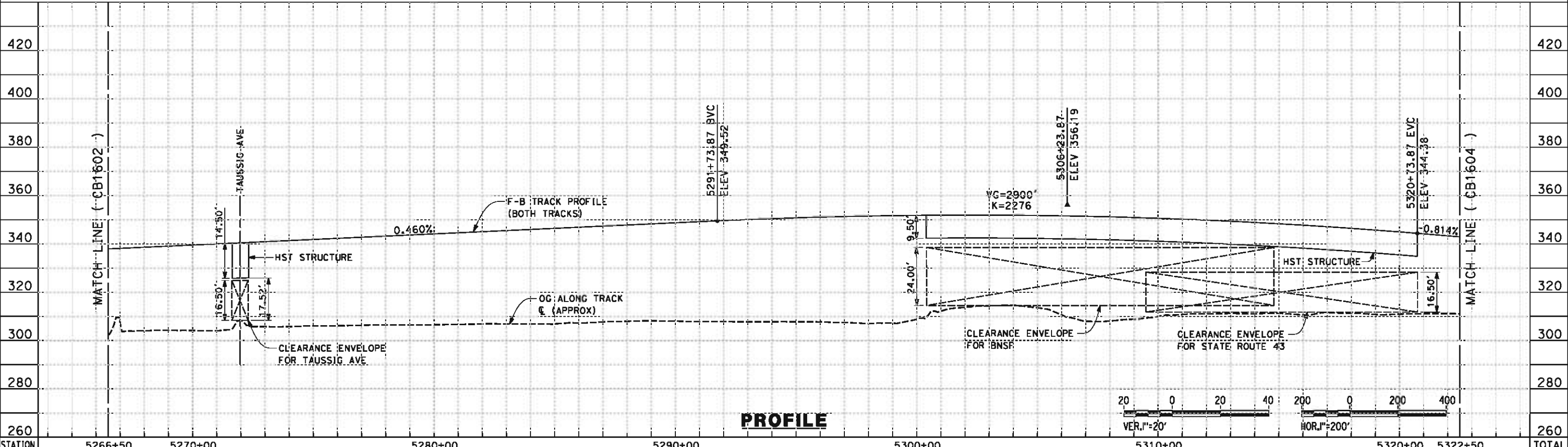
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1602
SCALE
AS SHOWN
SHEET NO.
3 OF 15

5/15/2012 10:18:09 AM \\global\amer\icas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\4\FB-CB-1603-L4.dgn

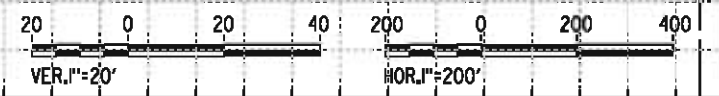


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

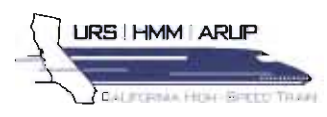


STATION	5266+50	5270+00	5280+00	5290+00	5300+00	5310+00	5320+00	5322+50	TOTAL
CY Exc									
Emb									

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

POSO CREEK SUBSECTION
ALIGNMENT L4
STA. 5266+50 TO 5322+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

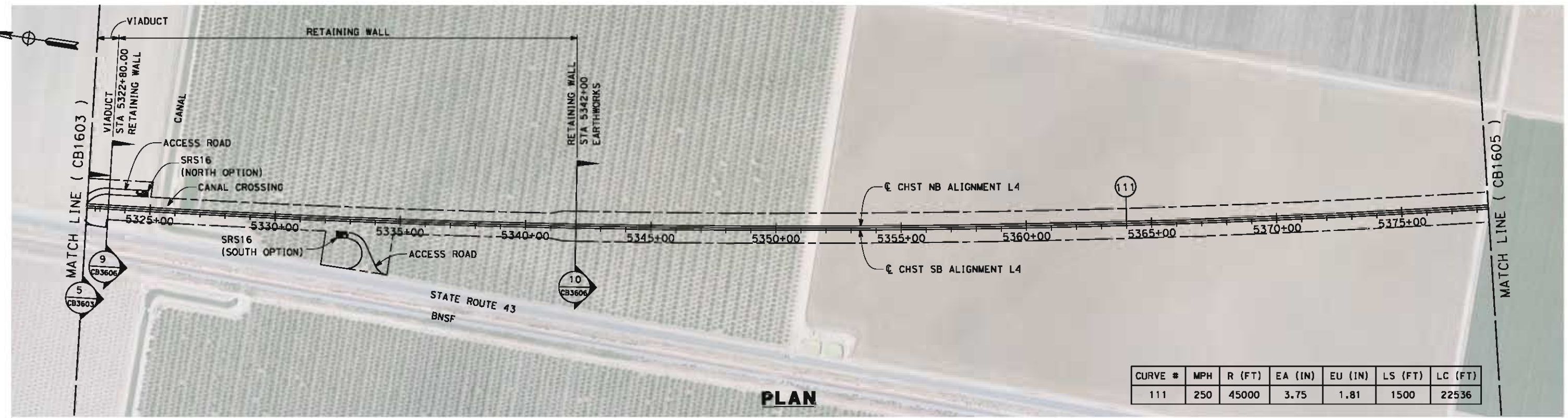
DRAWING NO.
CB1603

SCALE
AS SHOWN

SHEET NO.
4 OF 15

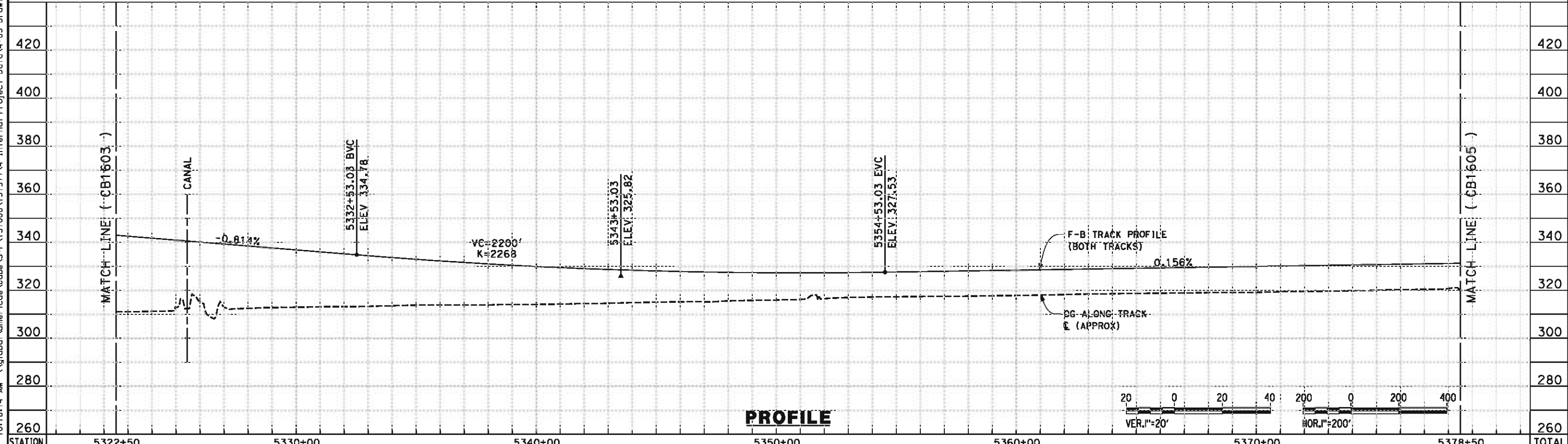
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 paul.tankin



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
111	250	45000	3.75	1.81	1500	22536

PLAN



PROFILE

STATION	5322+50	5330+00	5340+00	5350+00	5360+00	5370+00	5378+50	TOTAL
CY	Exc							
	Emb							

DESIGNED BY	K. SEYMOUR
DRAWN BY	P. TONKIN
CHECKED BY	D. HUNT
IN CHARGE	R. COFFIN
DATE	05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

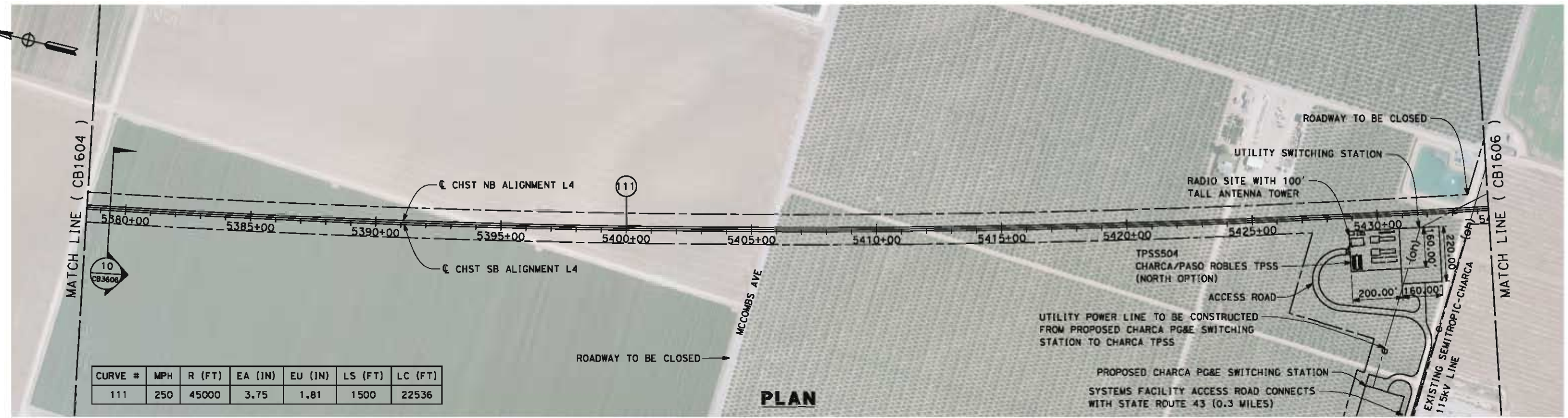
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L4
 STA. 5322+50 TO 5378+50
 PLAN AND PROFILE

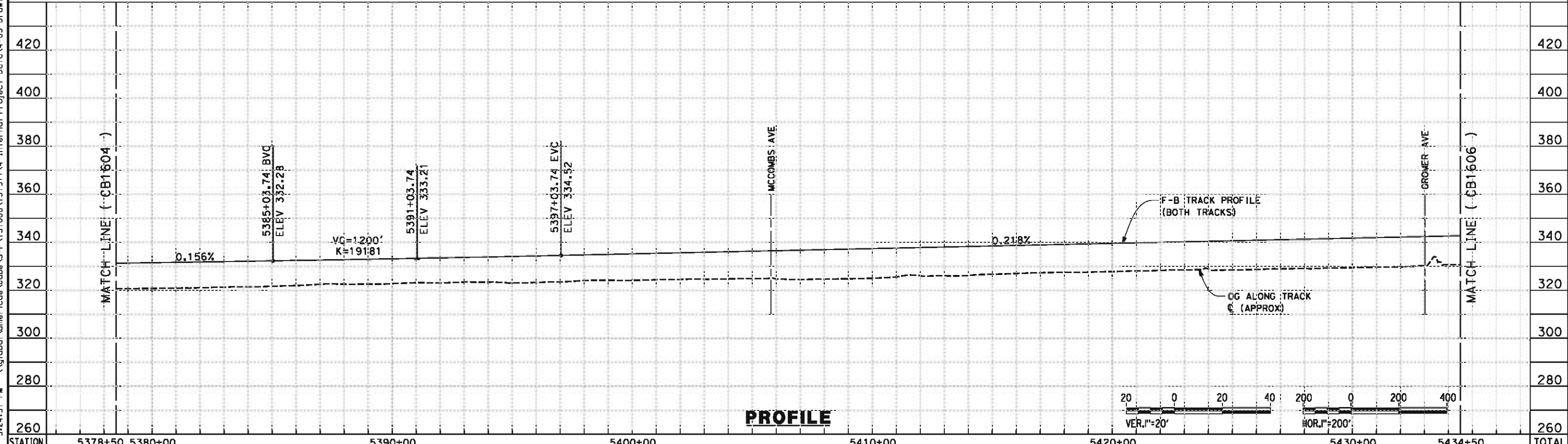
CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1604
SCALE	AS SHOWN
SHEET NO.	5 OF 15

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 geoff.walker



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
111	250	45000	3.75	1.81	1500	22536

PLAN



PROFILE

STATION	5378+50	5380+00	5390+00	5400+00	5410+00	5420+00	5430+00	5434+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	---------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

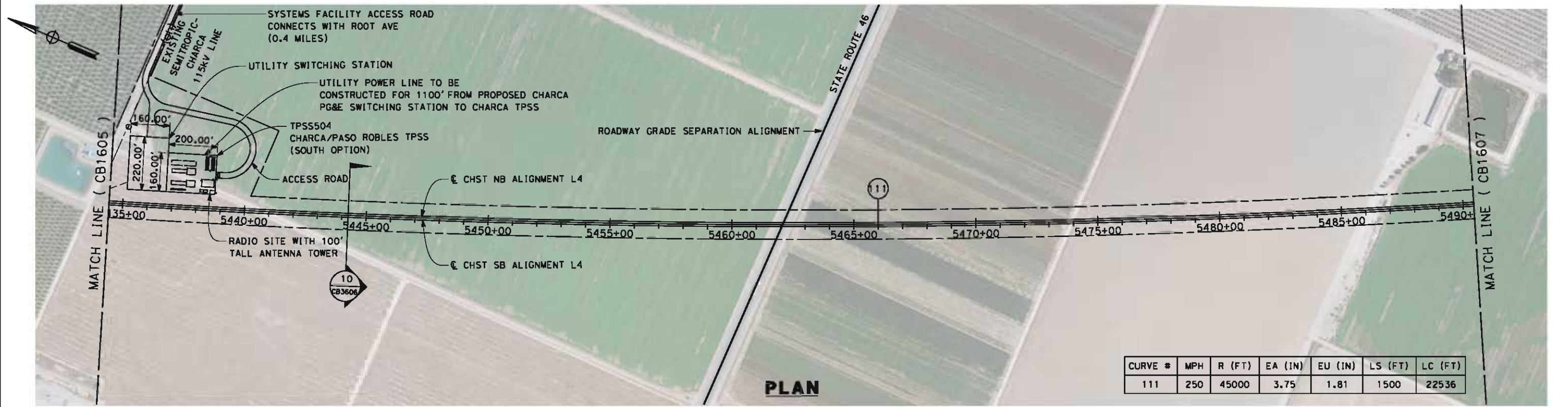
**NOT FOR
 CONSTRUCTION**



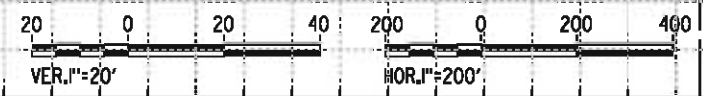
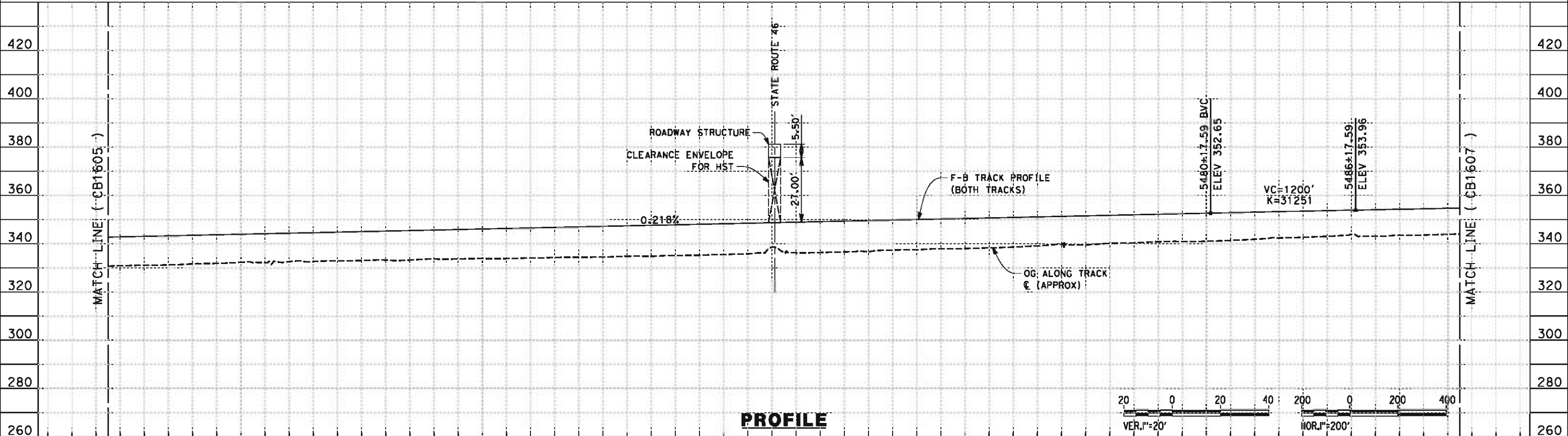
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 POSO CREEK SUBSECTION
 ALIGNMENT L4
 STA. 5378+50 TO 5434+50
 PLAN AND PROFILE

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB1605
 SCALE
 AS SHOWN
 SHEET NO.
 6 OF 15

5/15/2012 10:18:24 AM \\global\amer\cas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\4\FB-CB-1606-L4.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
111	250	45000	3.75	1.81	1500	22536



STATION	5434+50	5440+00	5450+00	5460+00	5470+00	5480+00	5490+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

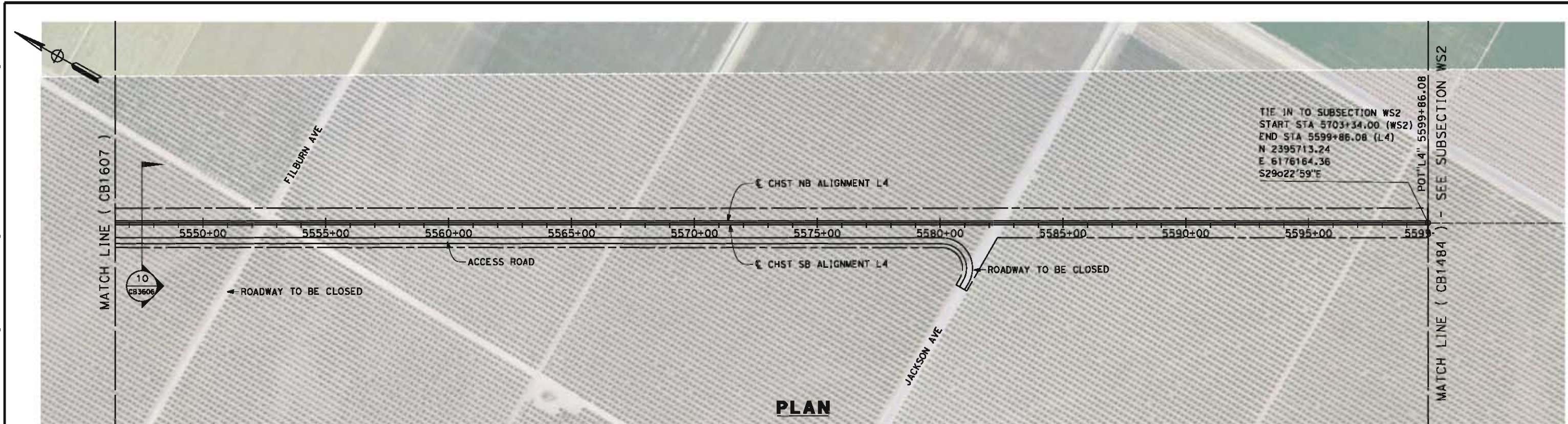


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

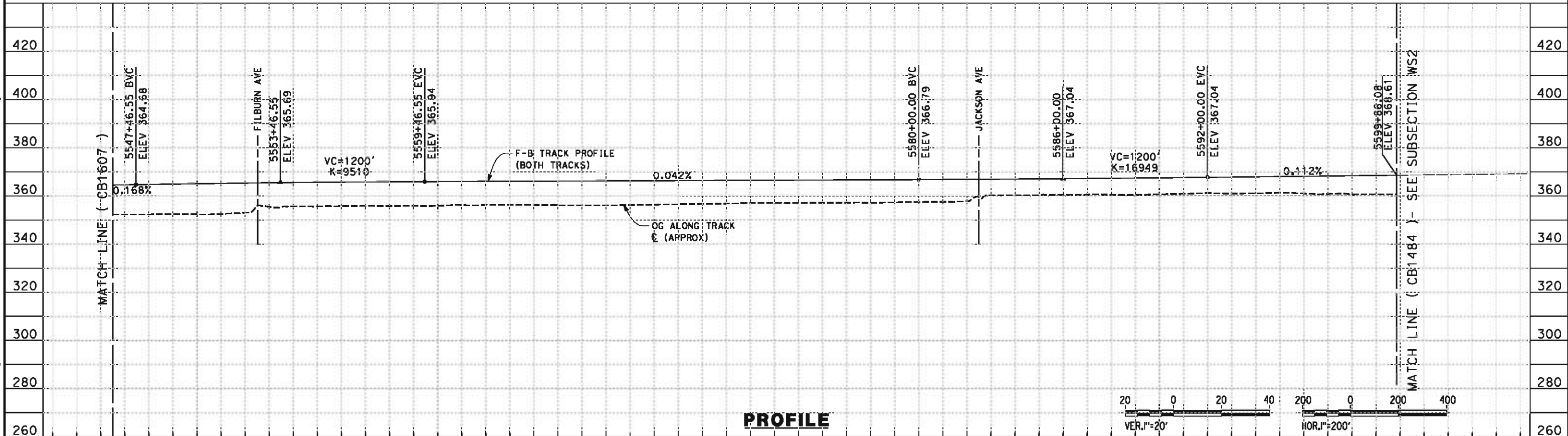
POSO CREEK SUBSECTION
ALIGNMENT L4
STA. 5434+50 TO 5490+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1606
SCALE
AS SHOWN
SHEET NO.
7 OF 15

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PLAN



PROFILE

STATION	5546+50	5550+00	5560+00	5570+00	5580+00	5590+00	5599+86	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

POSO CREEK SUBSECTION
ALIGNMENT L4
STA. 5546+50 TO 5599+86
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1608

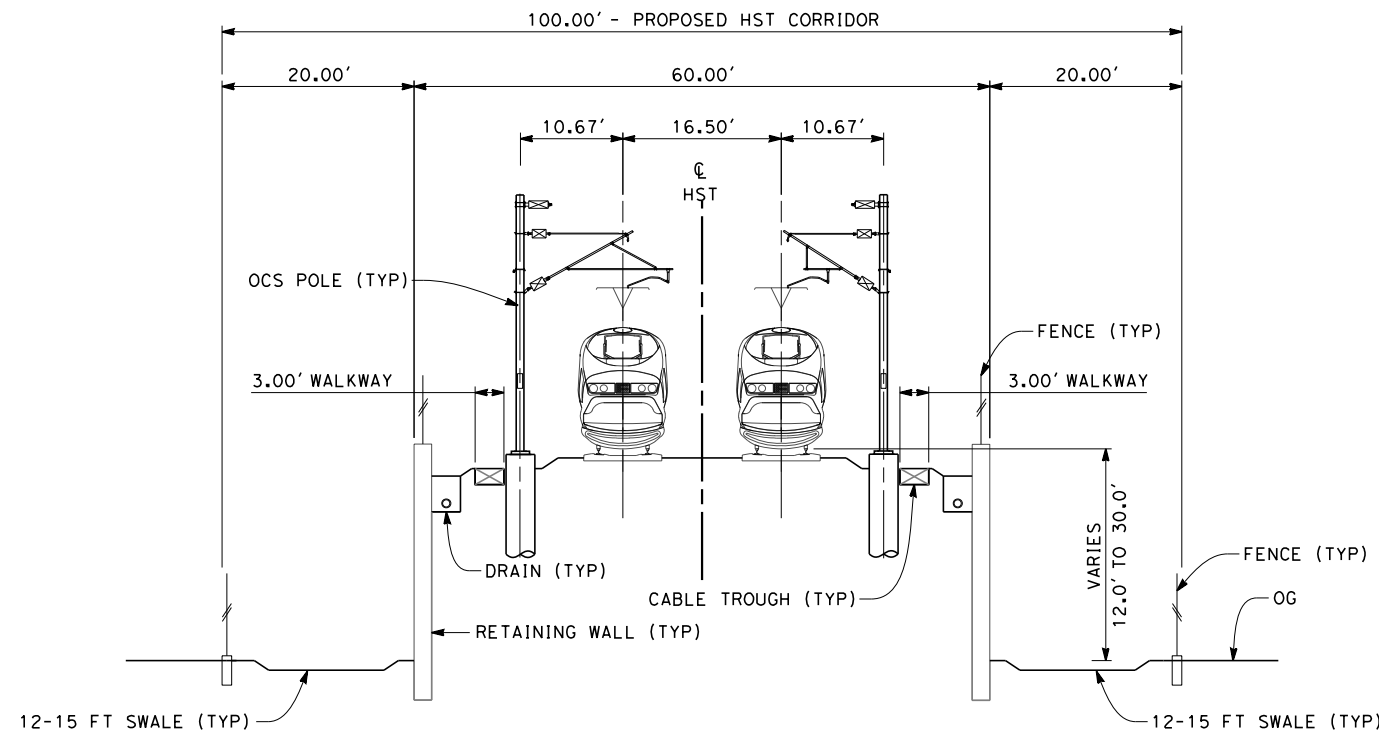
SCALE
AS SHOWN

SHEET NO.
9 OF 15

eron_sudhausen 7/10/2012 11:06:43 AM J:\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\L4\FB-CB-3606-L4.dgn

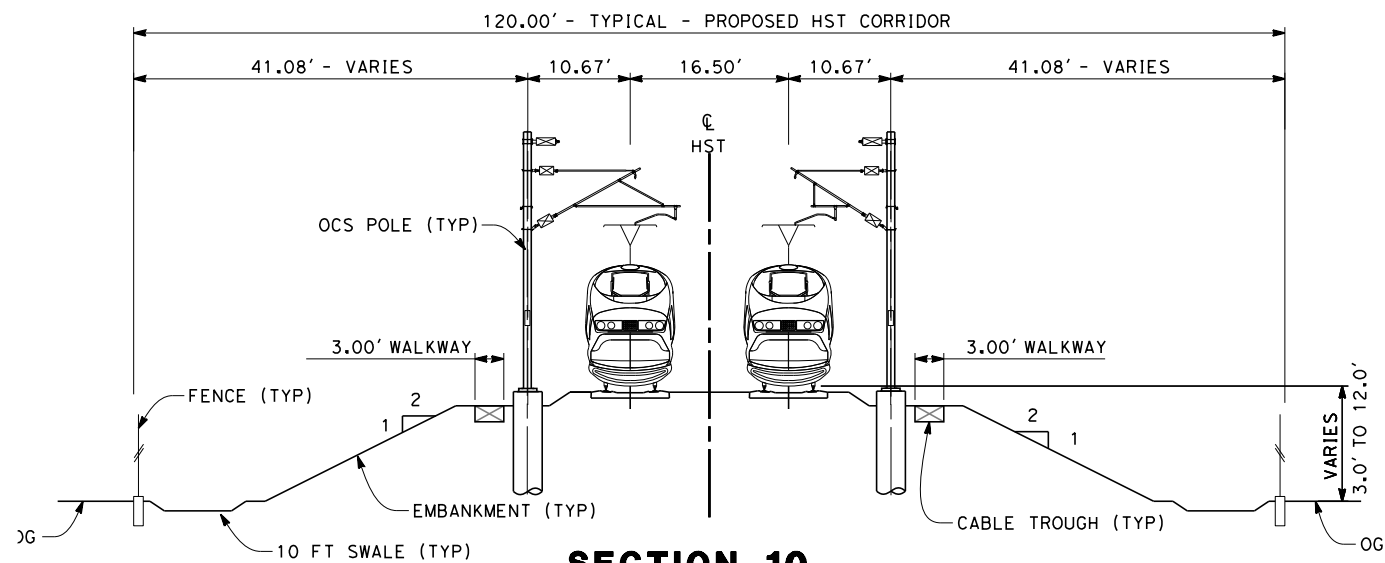
NOTES:

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



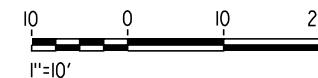
SECTION 9

TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 5322+80 TO STA 5342+00



SECTION 10

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
 STA 5342+00 TO STA 5599+86



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
 K. SEYMOUR
 DRAWN BY
 P. TONKIN
 CHECKED BY
 D. HUNT
 IN CHARGE
 R. COFFIN
 DATE
 05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 POSO CREEK SUBSECTION
 ALIGNMENT L4
 CROSS SECTIONS

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB3606
 SCALE
 AS SHOWN
 SHEET NO.
 15 OF 15

5/17/2012 10:03:50 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1448-WS1.dgn paul.tonkin



LEGEND

- EXISTING FREIGHT RAILROAD
- PROPOSED CHST

3500 0 3500 7000
1"=3500'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

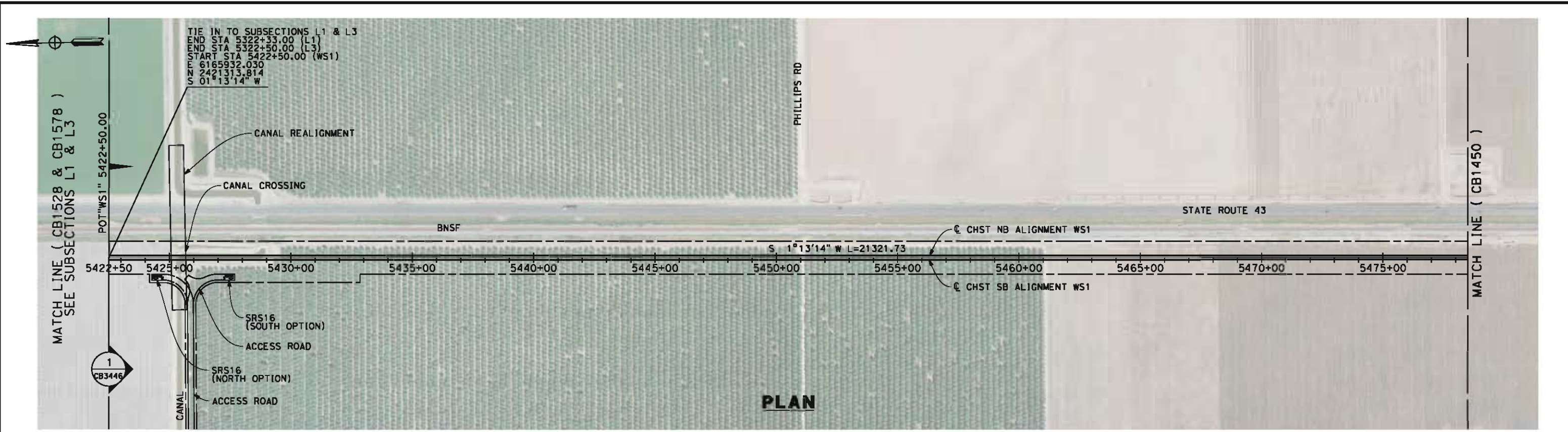
**NOT FOR
CONSTRUCTION**



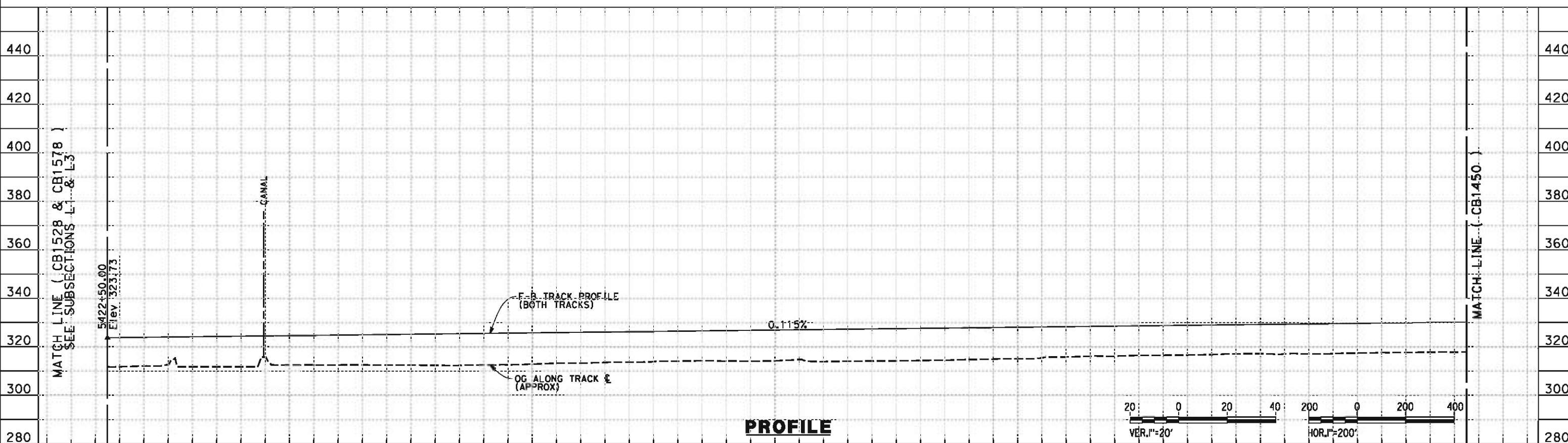
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5422+50 TO 6511+99.19
KEYPLAN

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1448
SCALE
AS SHOWN
SHEET NO.
1 OF 32

05/11/2012 16:50:31 a:\m-dean 01\131577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\WS1\FB-CB-1449-WS1.dgn



PLAN



PROFILE

STATION	5422+50	5430+00	5440+00	5450+00	5460+00	5470+00	5478+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb						
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5422+50 TO 5478+50
PLAN AND PROFILE

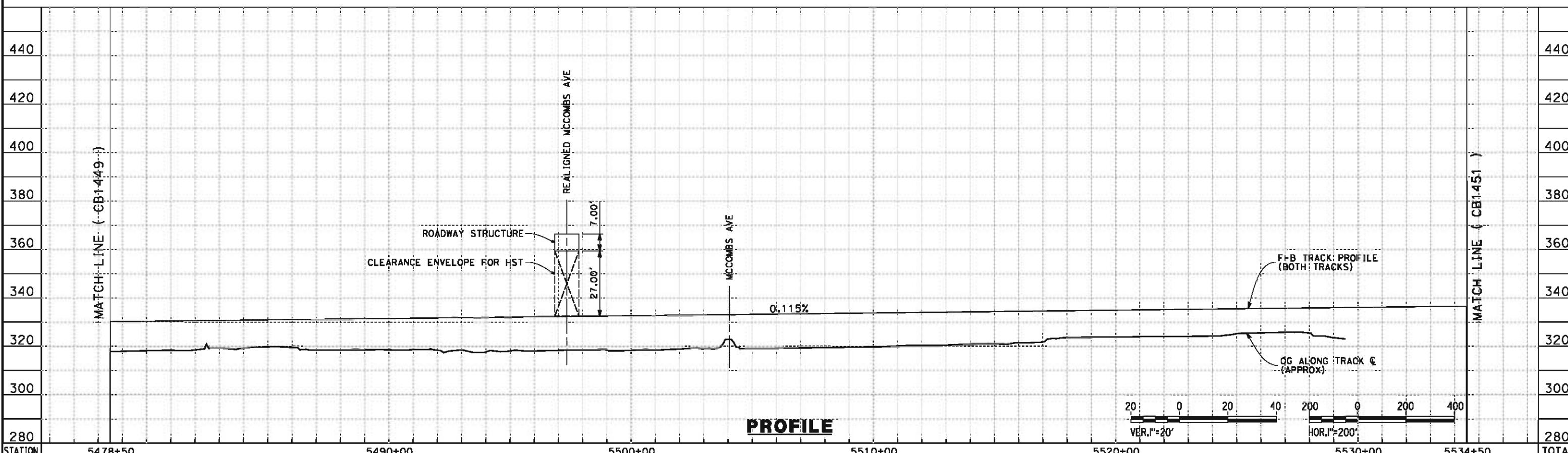
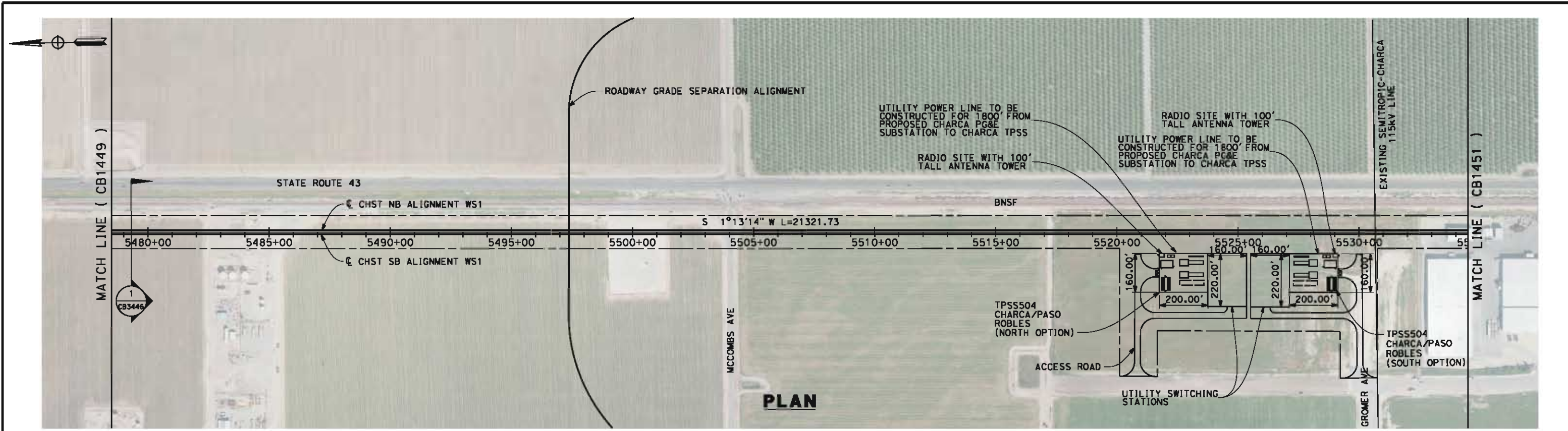
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1449

SCALE
AS SHOWN

SHEET NO.
2 OF 32

5/14/2012 4:45:57 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1450-WS1.dgn



STATION	5478+50	5490+00	5500+00	5510+00	5520+00	5530+00	5534+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

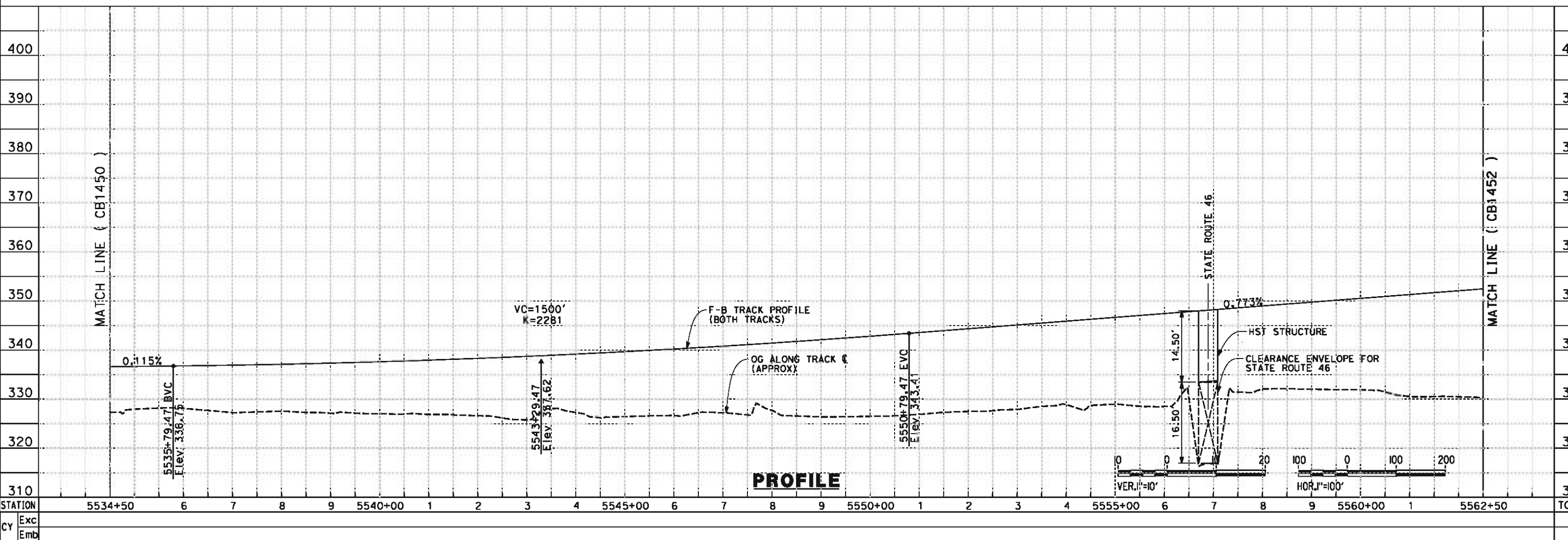
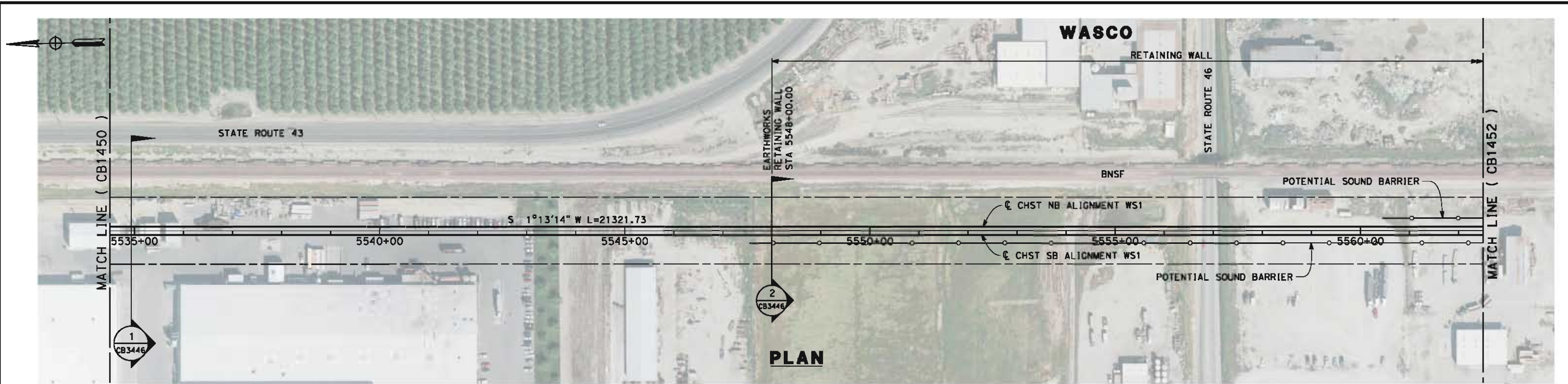
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5478+50 TO 5534+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1450
SCALE
AS SHOWN
SHEET NO.
3 OF 32

6/5/2012 11:39:31 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Re-design\gn\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1451-WS1.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5534+50 TO 5562+50
PLAN AND PROFILE

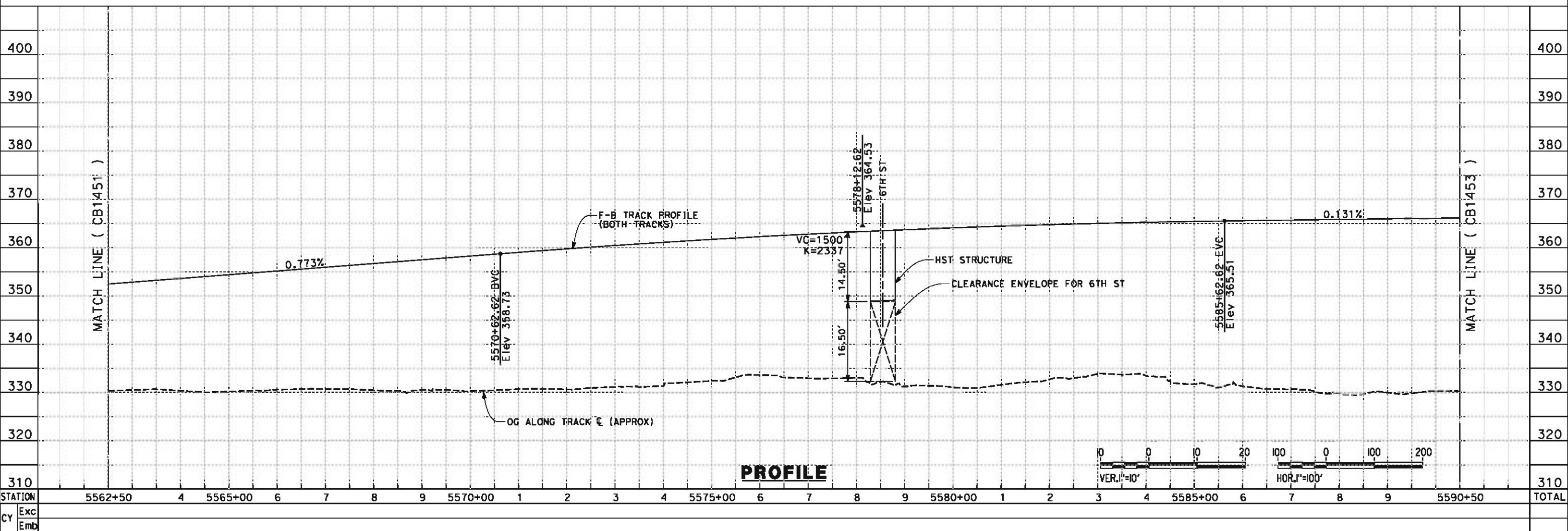
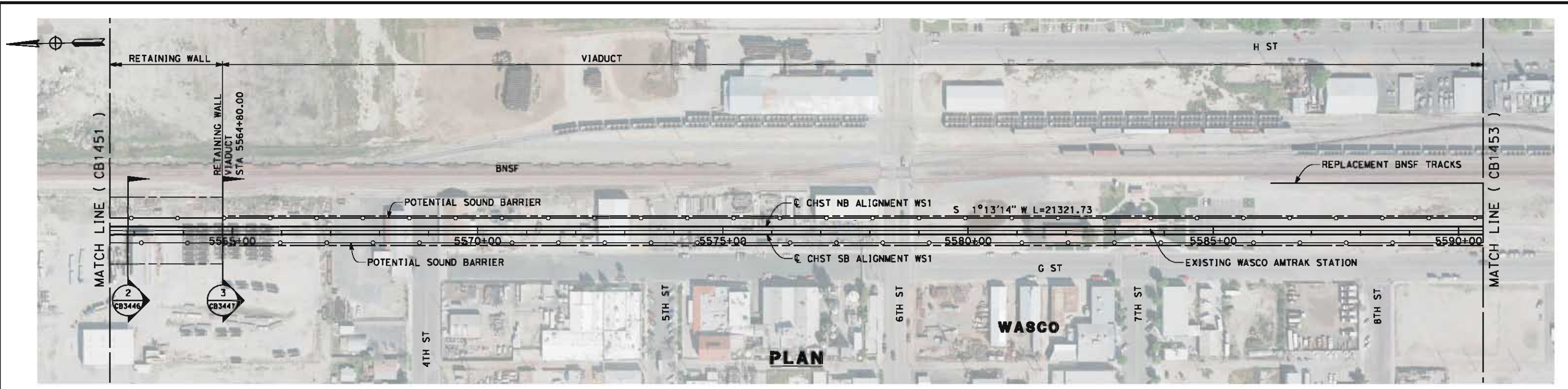
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1451

SCALE
AS SHOWN

SHEET NO.
4 OF 32

6/5/2012 11:53:45 AM B:\Internal\Project Data\4-03 Drawings\4-03-02 15% Revisions\Rail\WS1\FB-CB-1452-WS1.dgn paul.tankin



DESIGNED BY I. WALKER	DRAWN BY A. DEAN	CHECKED BY J. LIPSCOMB	IN CHARGE R. COFFIN	DATE 06/08/12
RECORD SET 15% DESIGN SUBMISSION				
NOT FOR CONSTRUCTION				

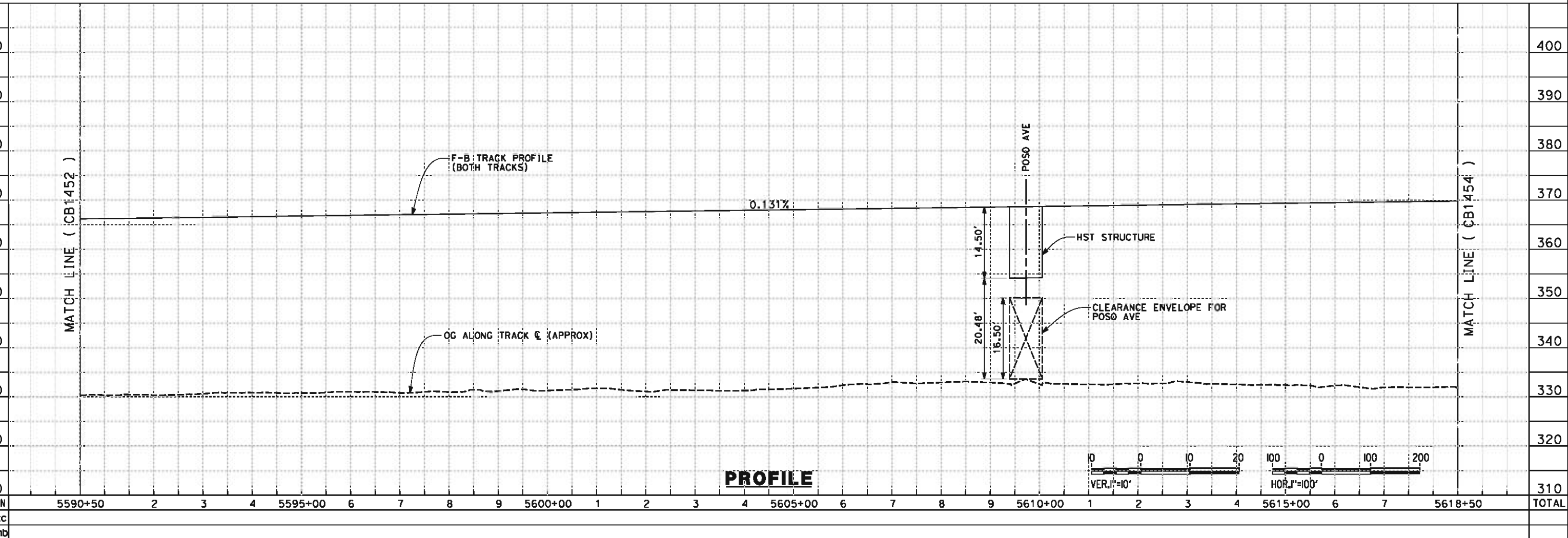
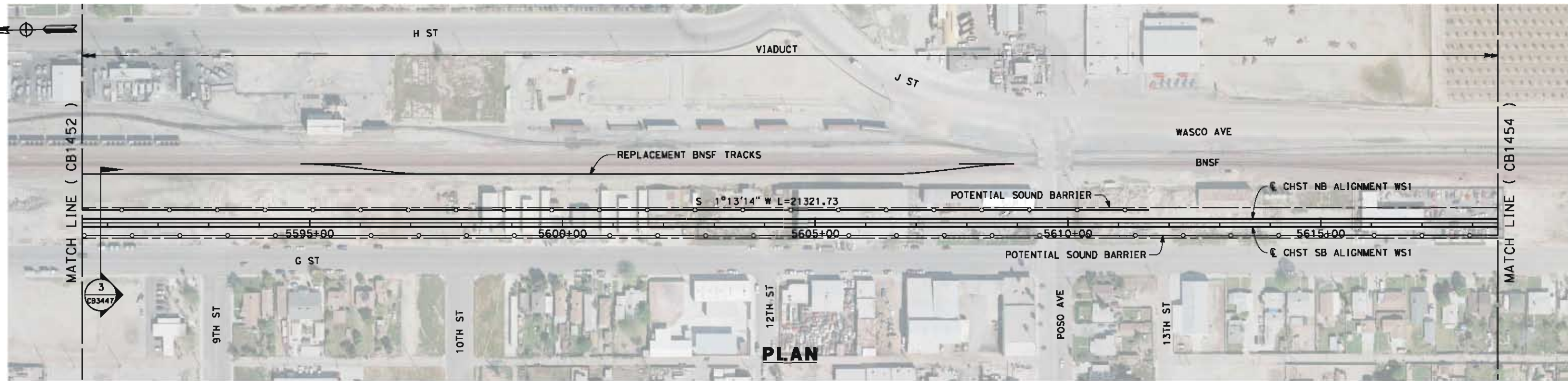
URS | HMM | ARUP



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5562+50 TO 5590+50
PLAN AND PROFILE

CONTRACT NO. HSR-06-0003
DRAWING NO. CB1452
SCALE AS SHOWN
SHEET NO. 5 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5590+50 TO 5618+50
PLAN AND PROFILE

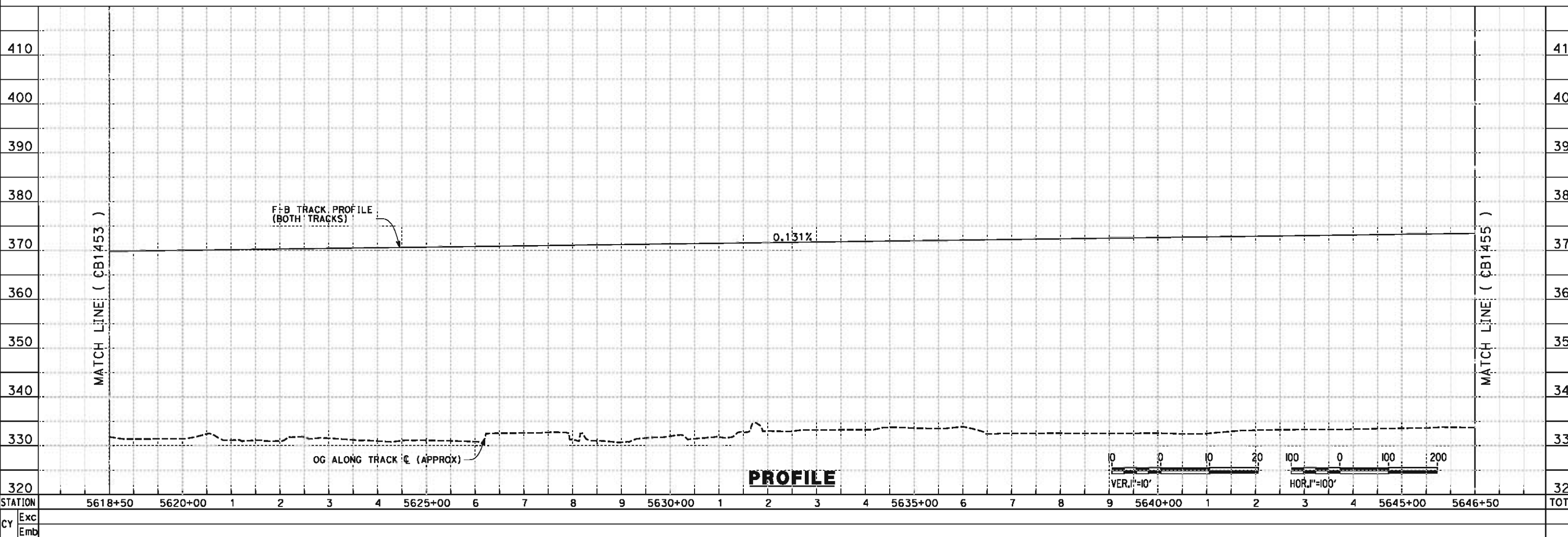
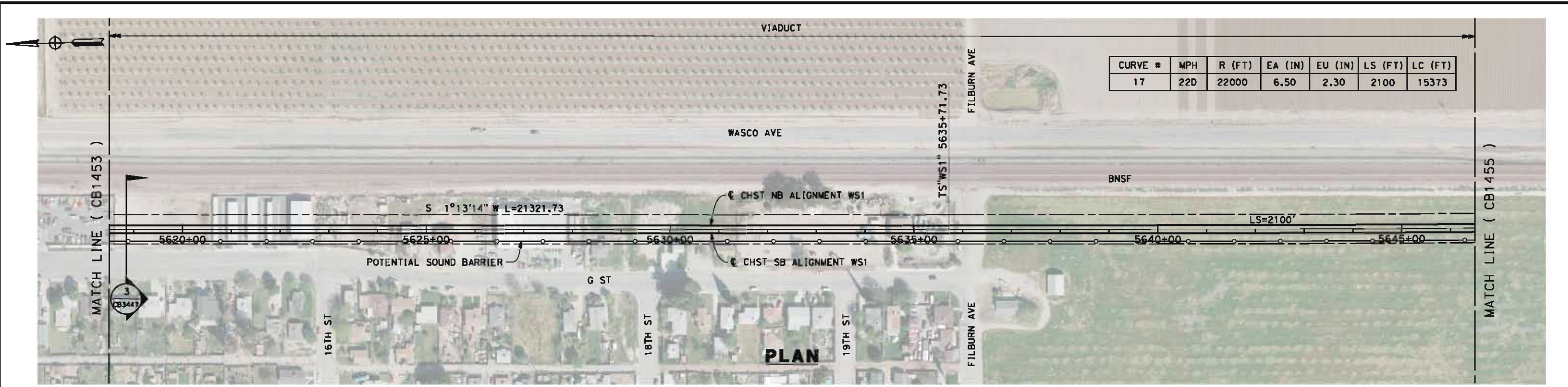
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1453

SCALE
AS SHOWN

SHEET NO.
6 OF 32

6/5/2012 12:03:08 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Revisions\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1454-WS1.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

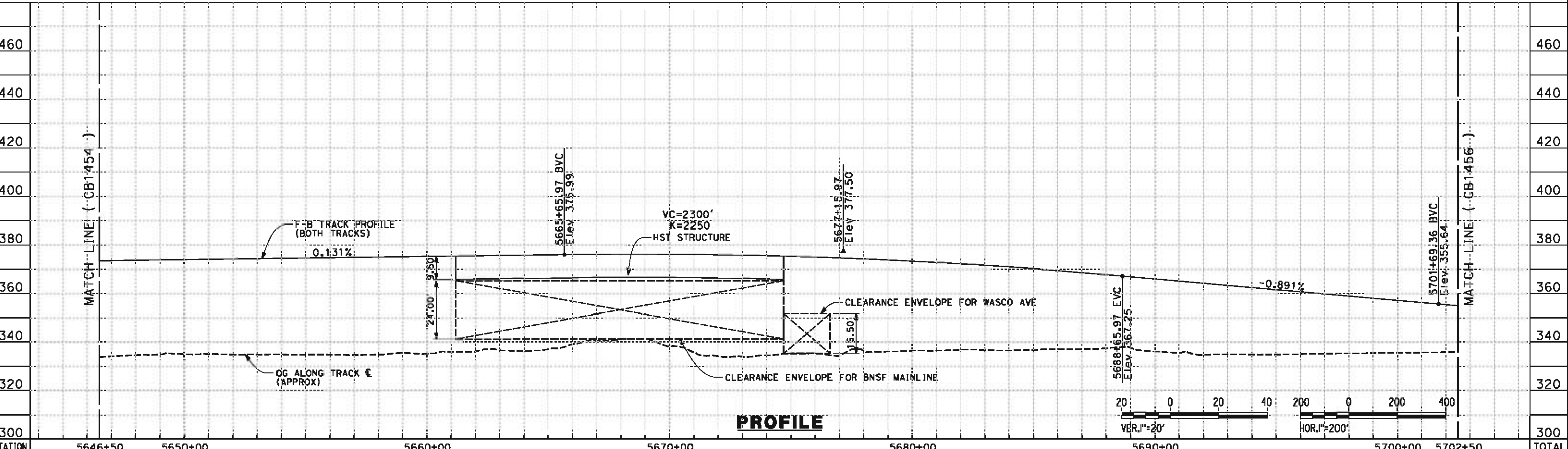
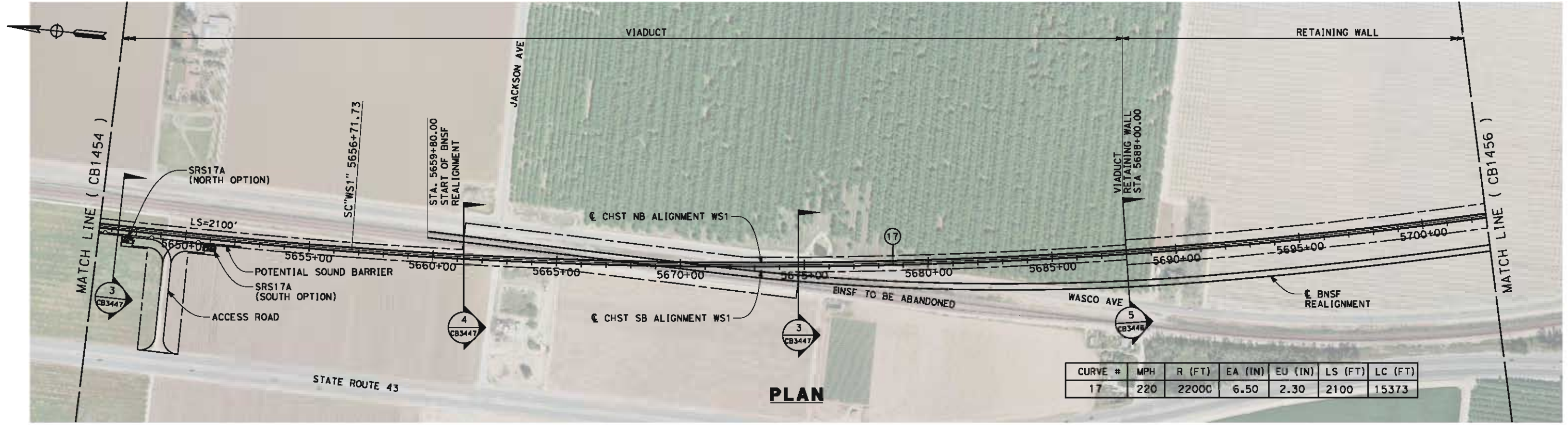


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5618+50 TO 5646+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1454
SCALE
AS SHOWN
SHEET NO.
7 OF 32

6/5/2012 2:57:33 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1455-WS1.dgn paul.tankin



STATION	5646+50	5650+00	5660+00	5670+00	5680+00	5690+00	5700+00	5702+50	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 THROUGH WASCO-SHAFTER SUBSECTION
 ALIGNMENT WS1
 STA. 5646+50 TO 5702+50
 PLAN AND PROFILE

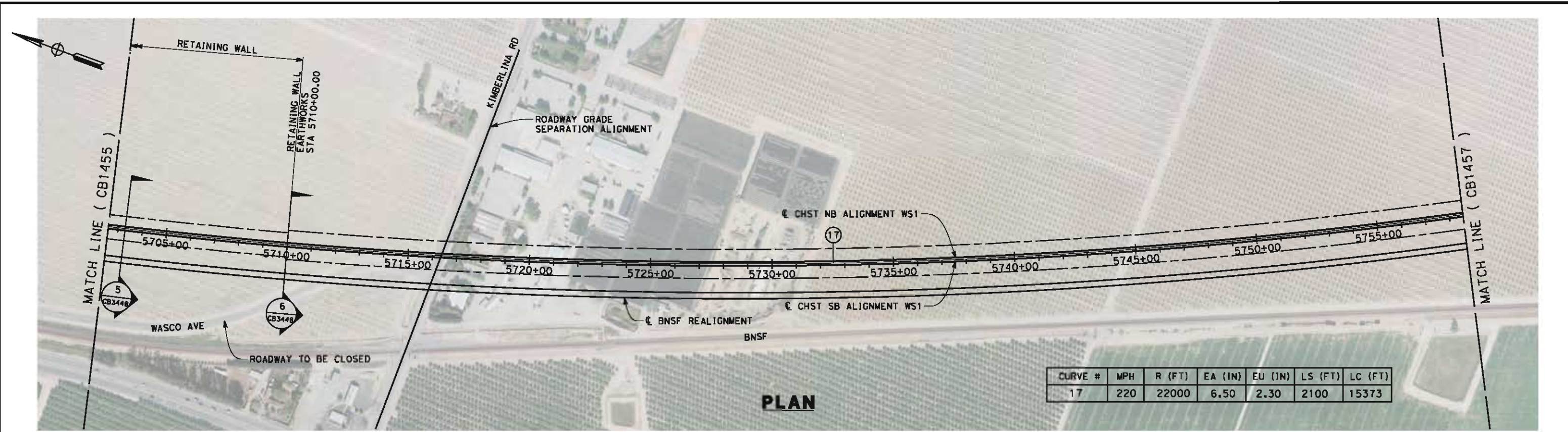
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1455

SCALE
AS SHOWN

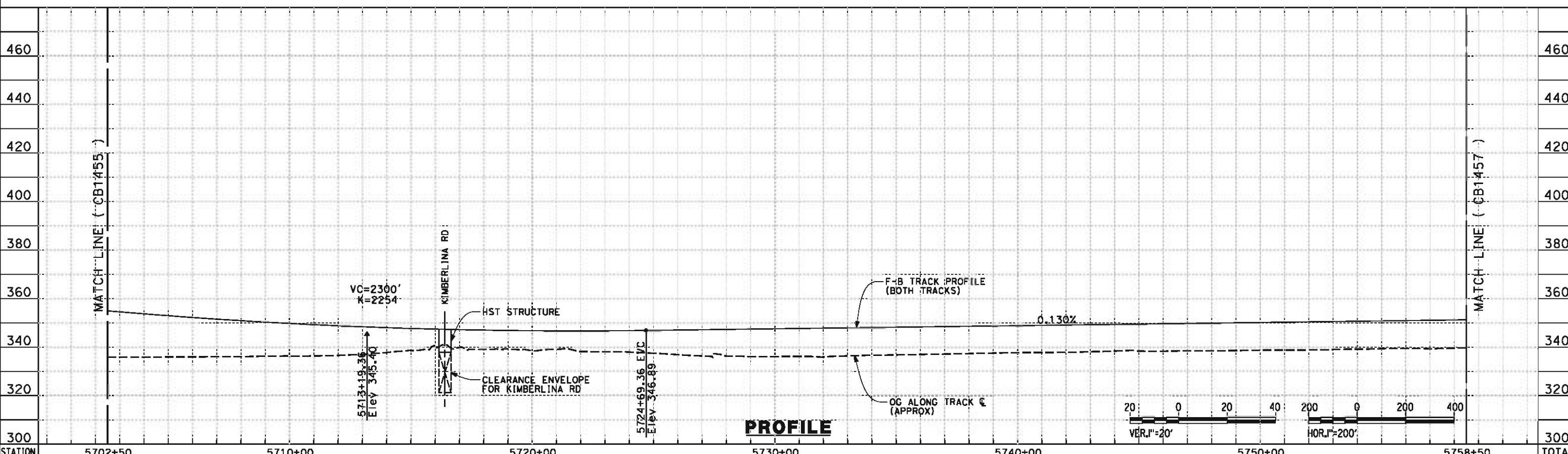
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8 OF 32

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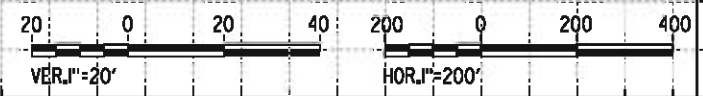


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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PLAN



PROFILE



STATION	5702+50	5710+00	5720+00	5730+00	5740+00	5750+00	5758+50	TOTAL
Exc								
Emb								

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

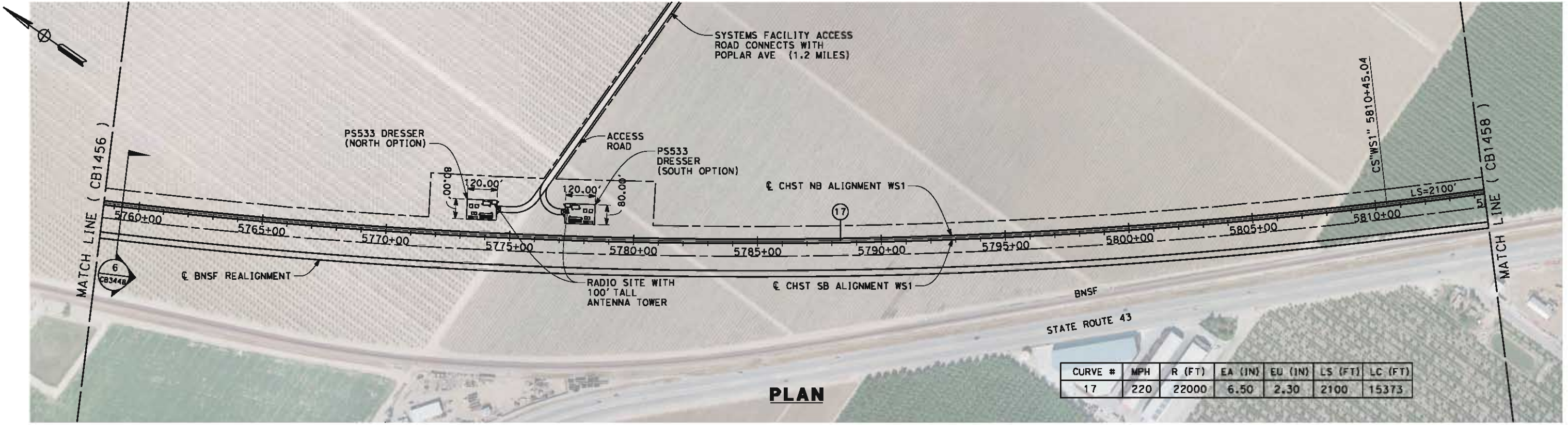


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5702+50 TO 5758+50
PLAN AND PROFILE

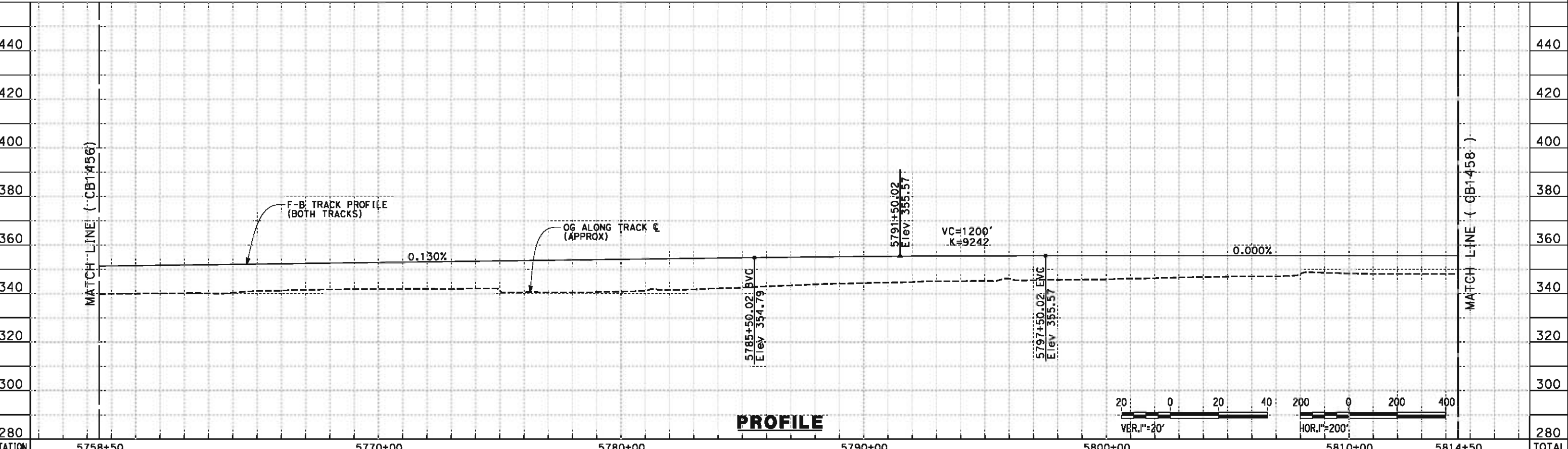
CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1456
SCALE
AS SHOWN
SHEET NO.
9 OF 32

REV	DATE	BY	CHK	APP	DESCRIPTION

5/15/2012 5:04:40 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Recesign\gn4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1457-WS1.dgn paul.tankin



PLAN



PROFILE

STATION	5758+50	5770+00	5780+00	5790+00	5800+00	5810+00	5814+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb						
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DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

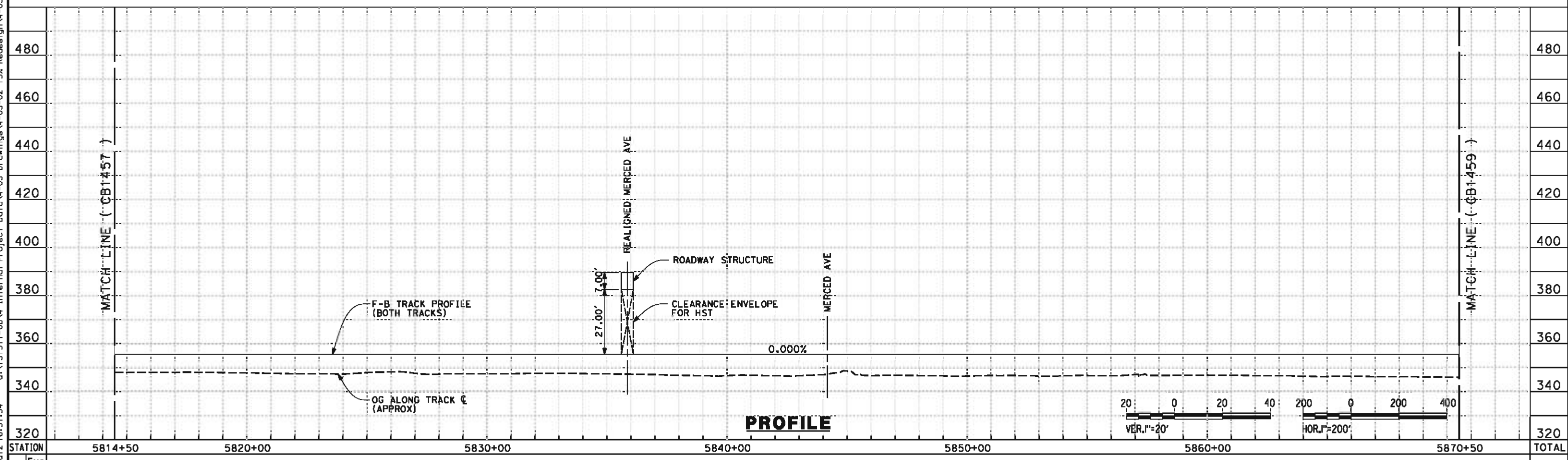
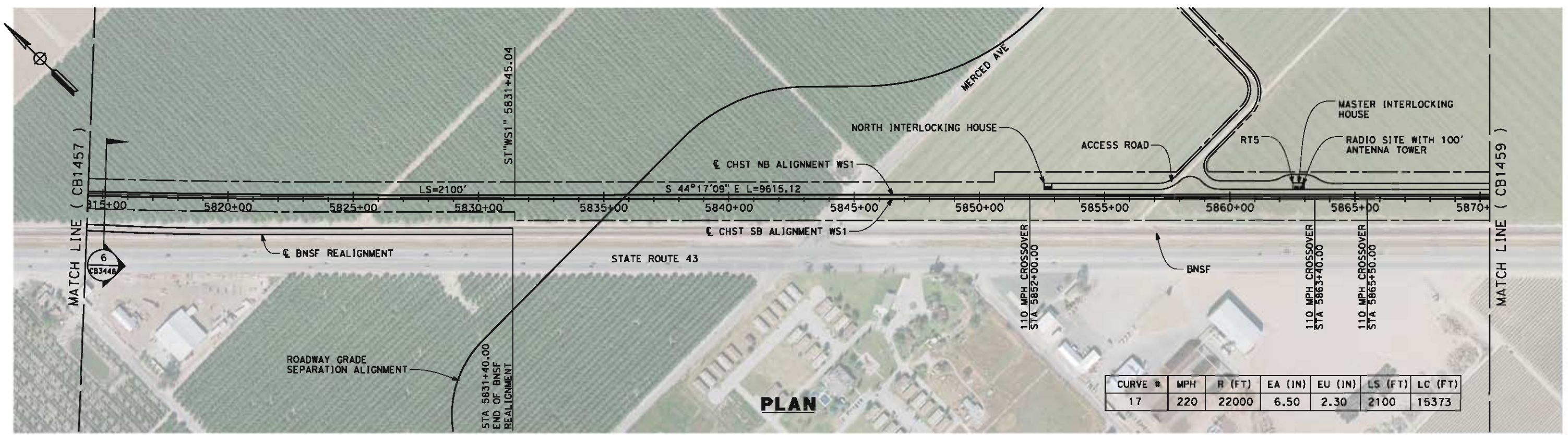
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5758+50 TO 5814+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1457
SCALE
AS SHOWN
SHEET NO.
10 OF 32

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STATION	5814+50	5820+00	5830+00	5840+00	5850+00	5860+00	5870+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5814+50 TO 5870+50
PLAN AND PROFILE

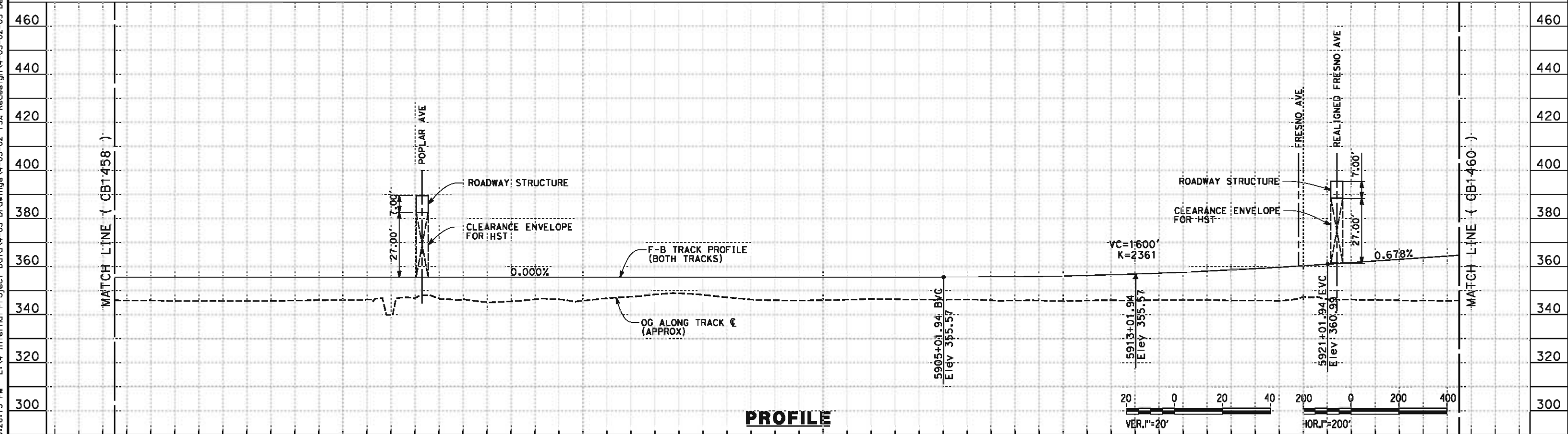
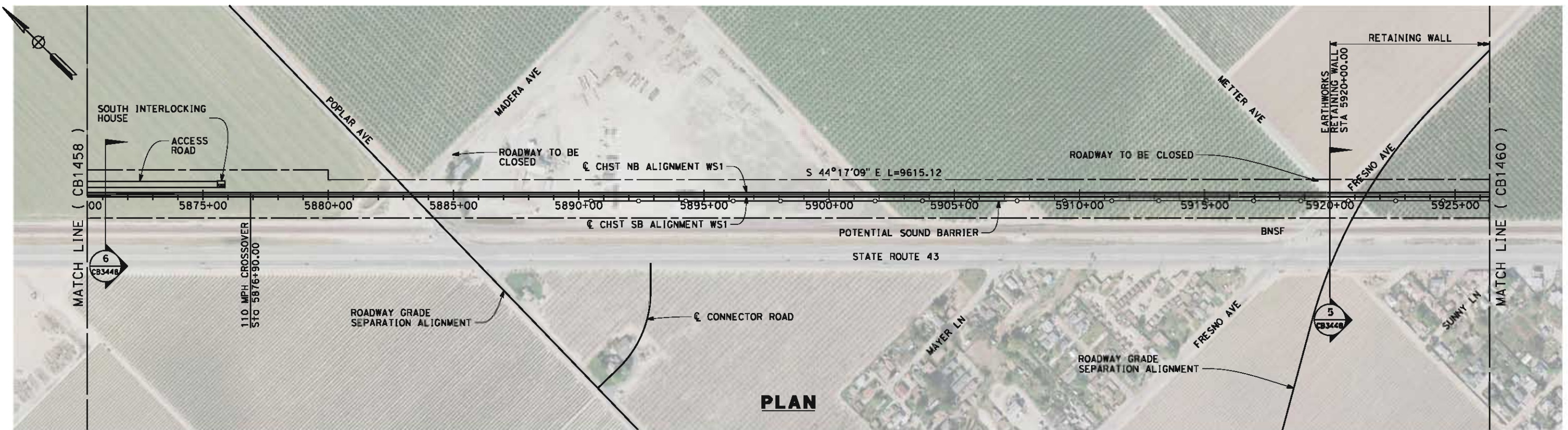
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1458

SCALE
AS SHOWN

SHEET NO.
11 OF 32

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STATION	5870+50	5880+00	5890+00	5900+00	5910+00	5920+00	5926+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5870+50 TO 5926+50
PLAN AND PROFILE

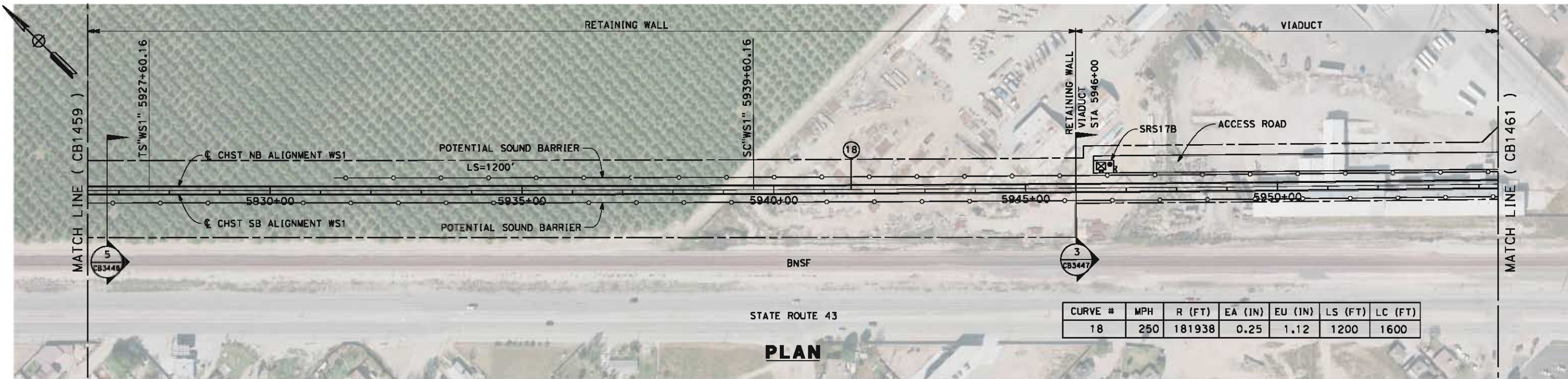
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1459

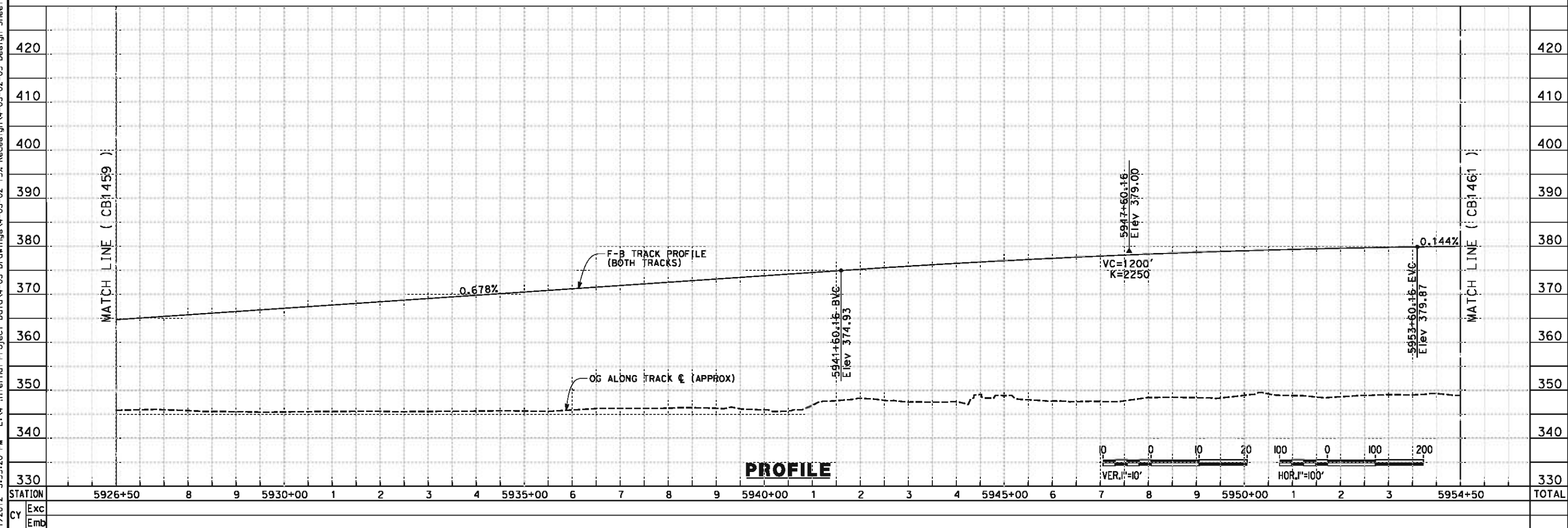
SCALE
AS SHOWN

SHEET NO.
12 OF 32

6/11/2012 3:55:20 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Reces\gn4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1450-WS1.dgn paul.tankin



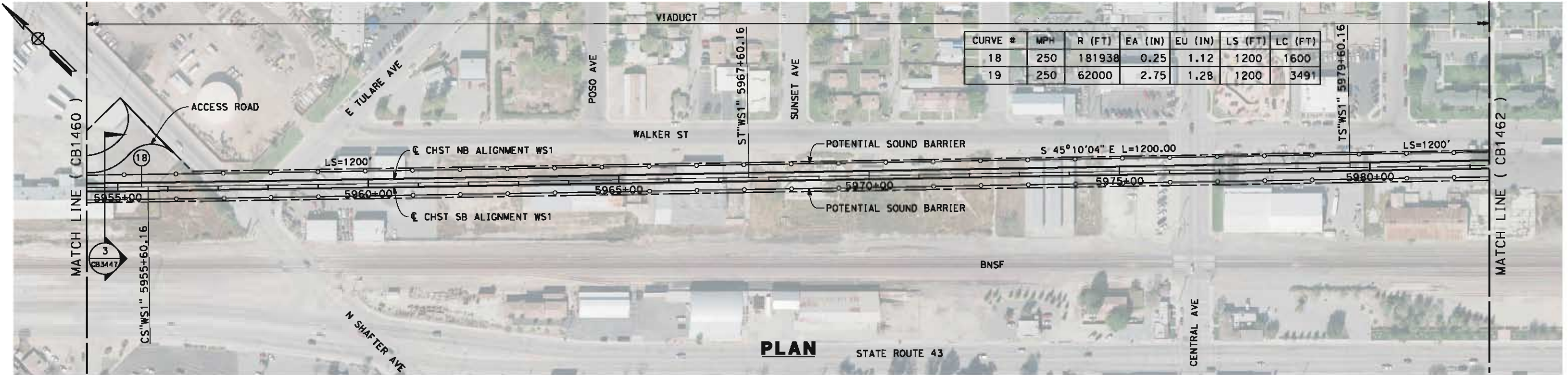
PLAN



PROFILE

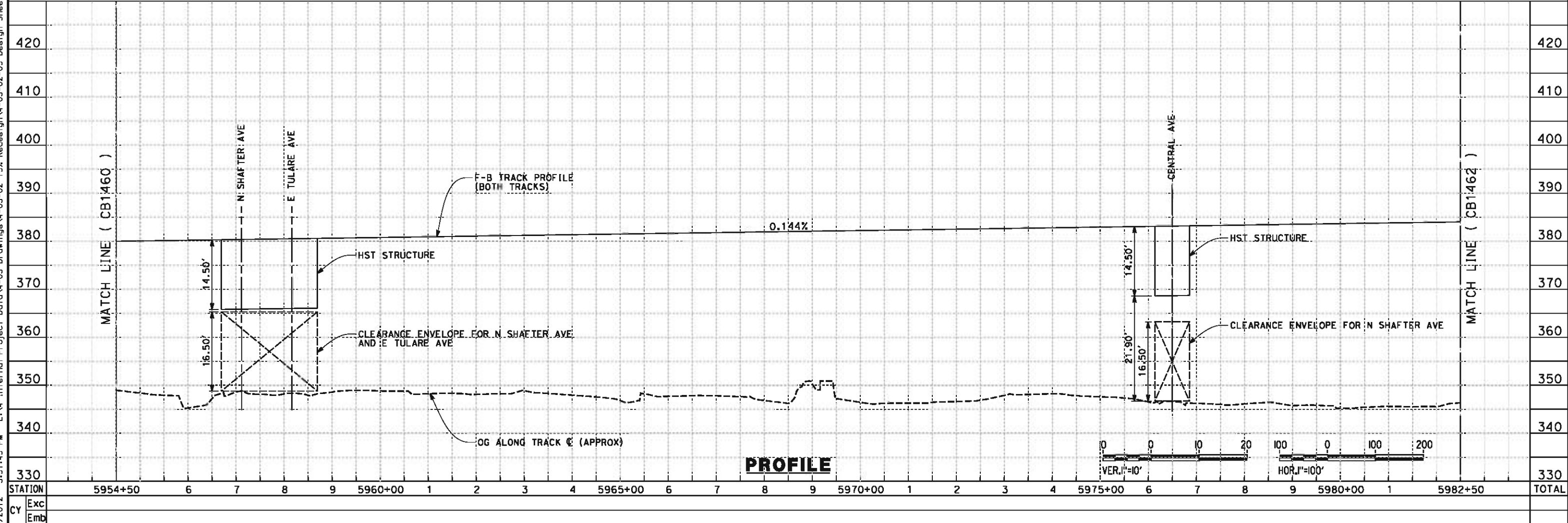
STATION	Exc	Emb	DESIGNED BY	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 STA. 5926+50 TO 5954+50 PLAN AND PROFILE	CONTRACT NO.
5926+50			I. WALKER	NOT FOR CONSTRUCTION				HSR-06-0003
8			A. DEAN		DRAWING NO.			
9			J. LIPSCOMB		CB1460			
5930+00			R. COFFIN		SCALE			
1					AS SHOWN			
2					SHEET NO.			
3					13 OF 32			
5935+00								
6								
7								
8								
9								
5945+00								
6								
7								
8								
9								
5950+00								
1								
2								
3								
5954+50								
TOTAL								

6/5/2012 3:51:45 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Revisions\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1461-WS1.dgn paul.tankin



PLAN

STATE ROUTE 43



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

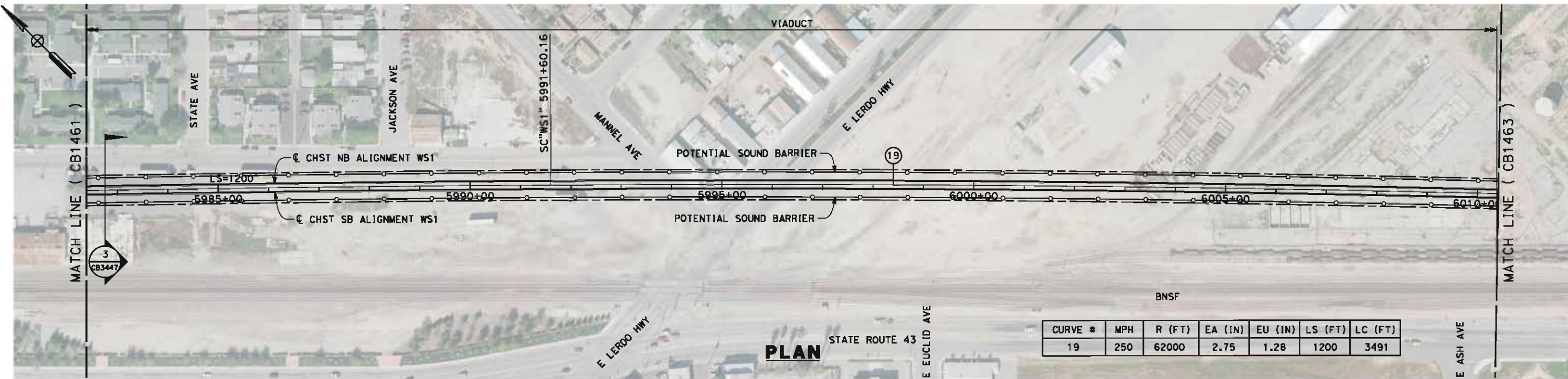
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5954+50 TO 5982+50
PLAN AND PROFILE

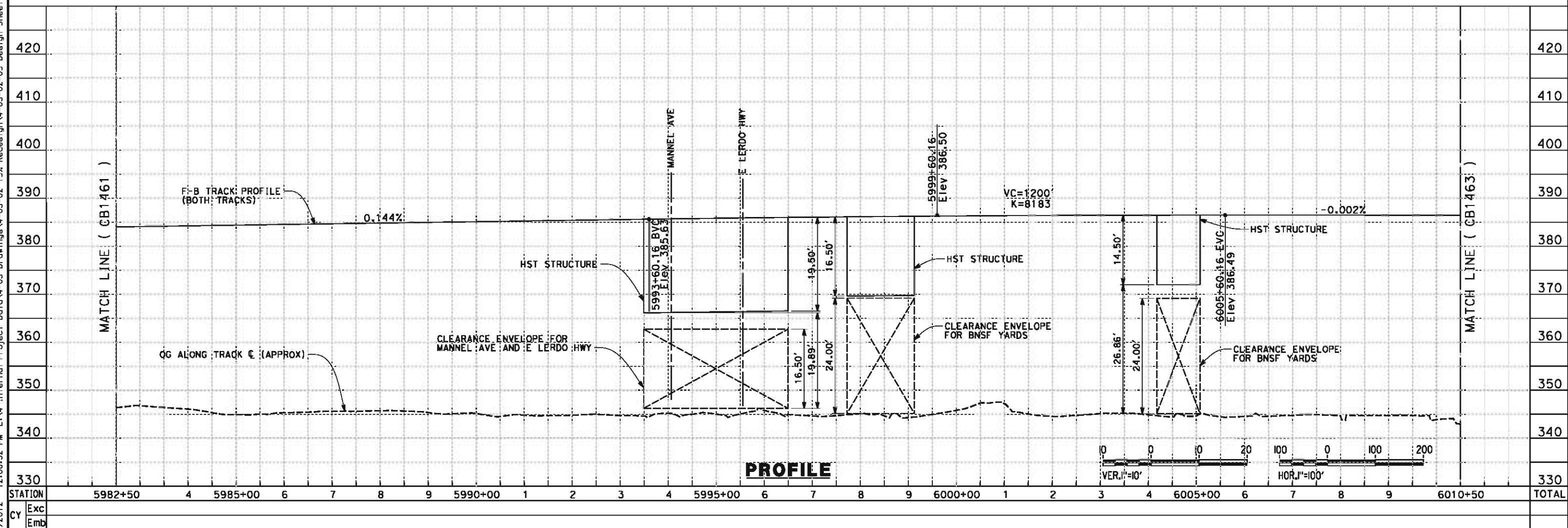
CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1461
SCALE
AS SHOWN
SHEET NO.
14 OF 32

6/6/2012 12:06:32 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Revisions\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1462-WS1.dgn paul.tankin



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
19	250	62000	2.75	1.28	1200	3491

PLAN



PROFILE

STATION	5982+50	4	5985+00	6	7	8	9	5990+00	1	2	3	4	5995+00	6	7	8	9	6000+00	1	2	3	4	6005+00	6	7	8	9	6010+50	TOTAL
Exc																													
Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

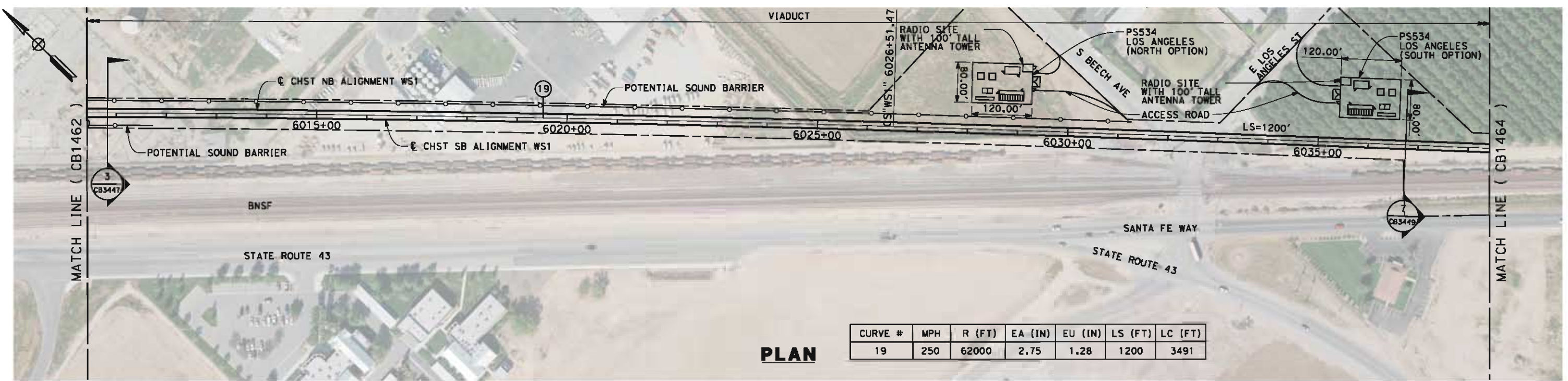
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5982+50 TO 6010+50
PLAN AND PROFILE

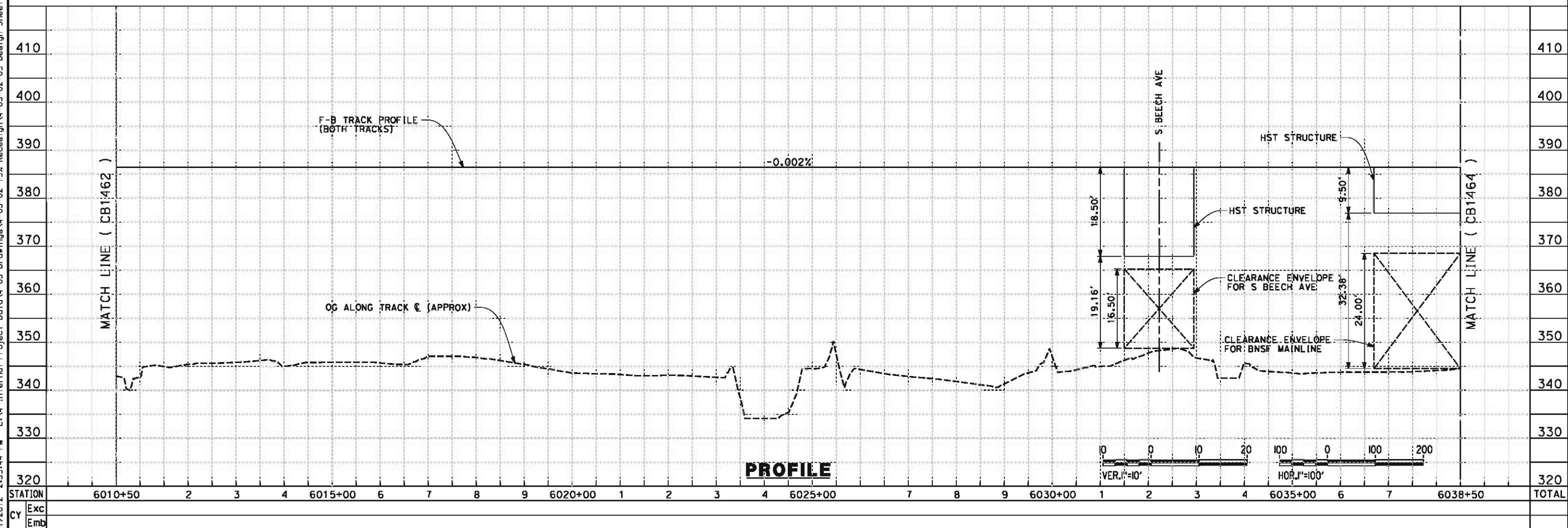
CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1462
SCALE
AS SHOWN
SHEET NO.
15 OF 32

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
19	250	62000	2.75	1.28	1200	3491

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

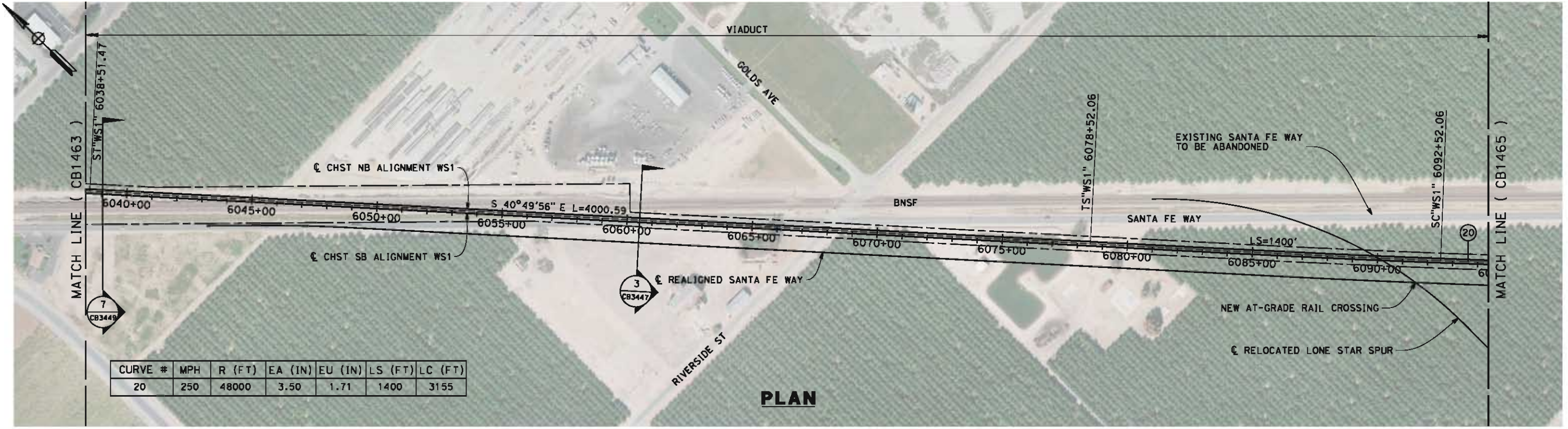
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6010+50 TO 6038+50
PLAN AND PROFILE

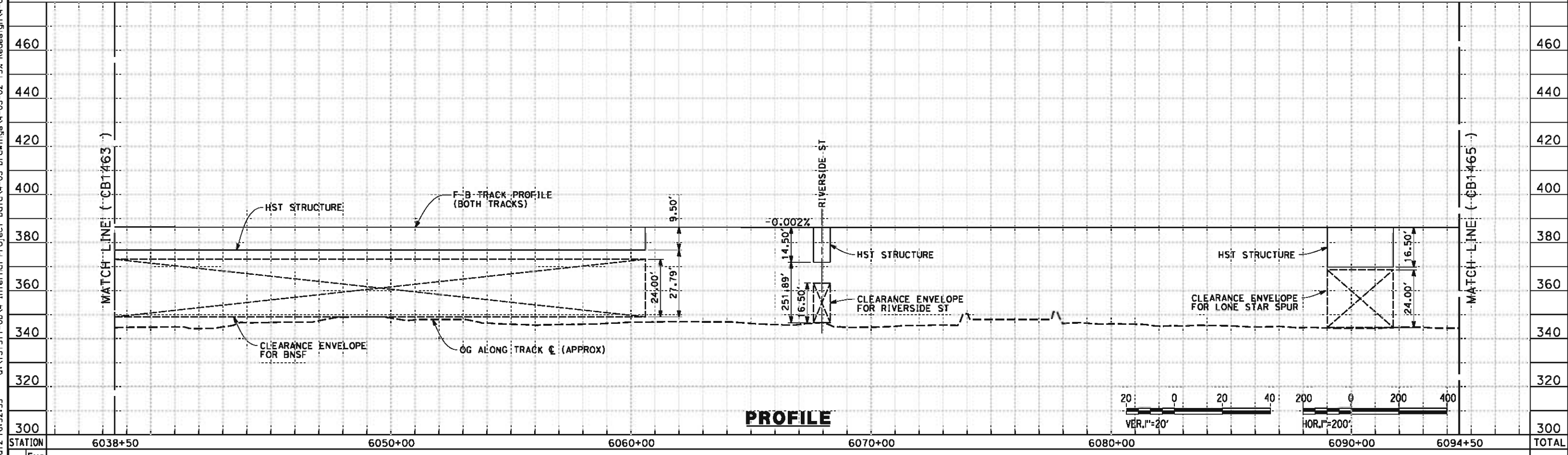
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HSR-06-0003
DRAWING NO.
CB1463
SCALE
AS SHOWN
SHEET NO.
16 OF 32

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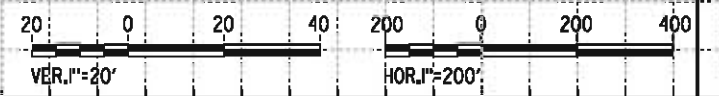


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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PLAN



PROFILE



STATION	6038+50	6050+00	6060+00	6070+00	6080+00	6090+00	6094+50	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

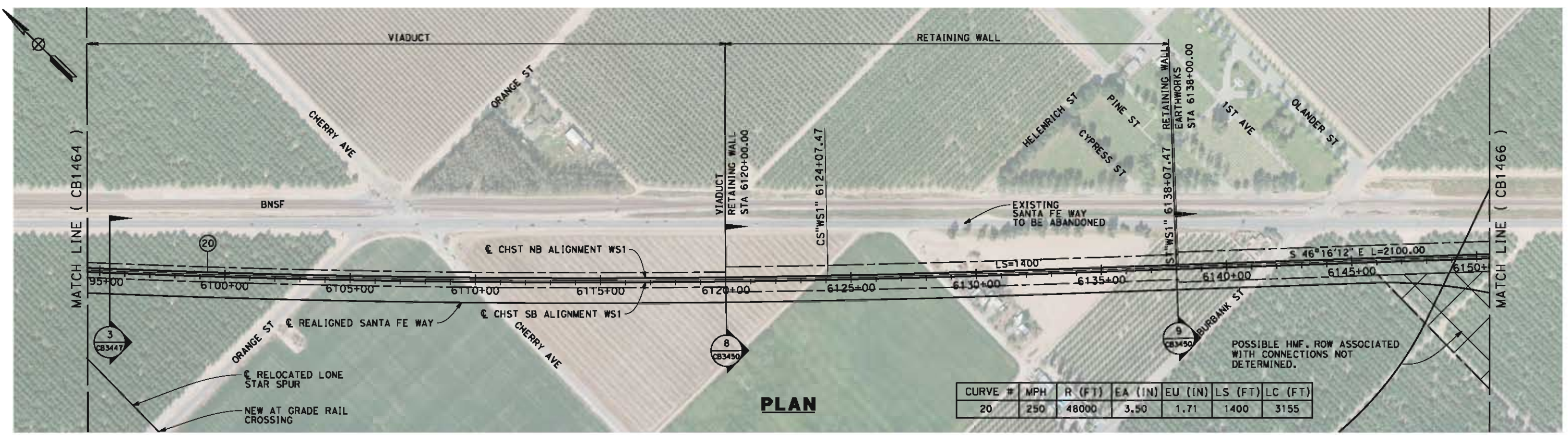


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

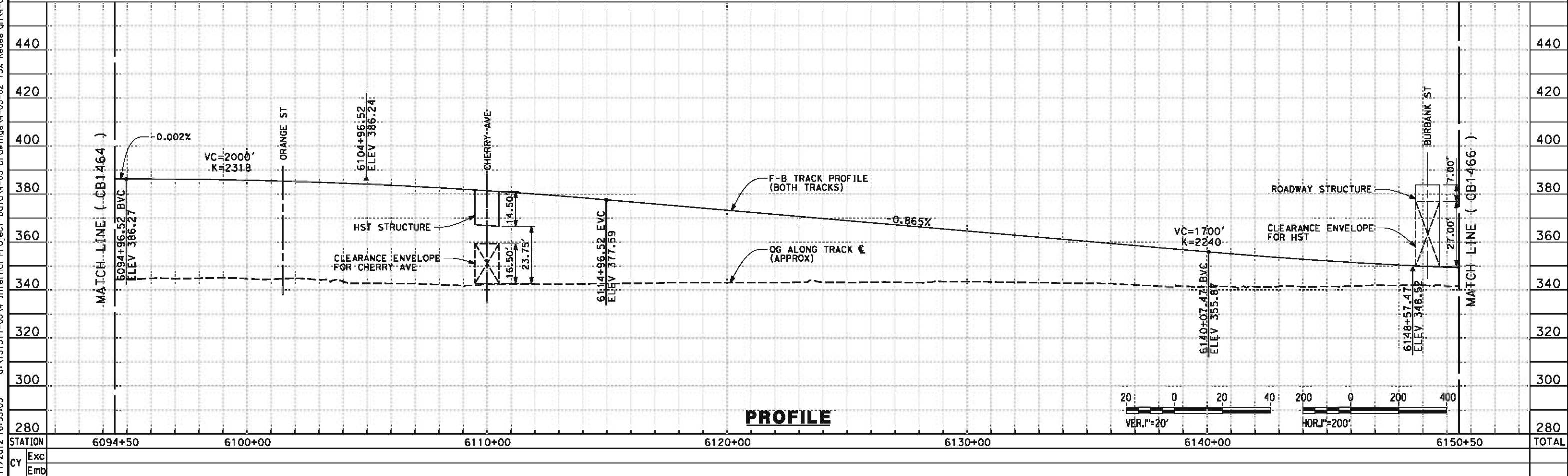
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6038+50 TO 6094+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1464
SCALE
AS SHOWN
SHEET NO.
17 OF 32

05/11/2012 16:53:05 O:\1315177-004 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-1465-WS1.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
20	250	48000	3.50	1.71	1400	3155



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

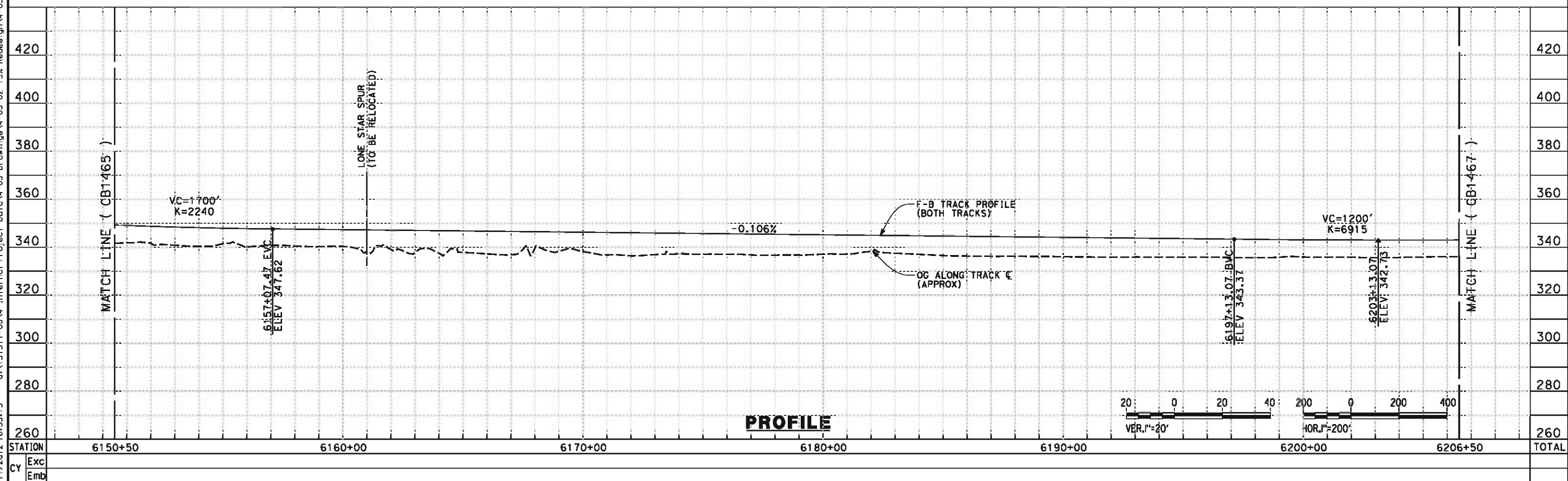
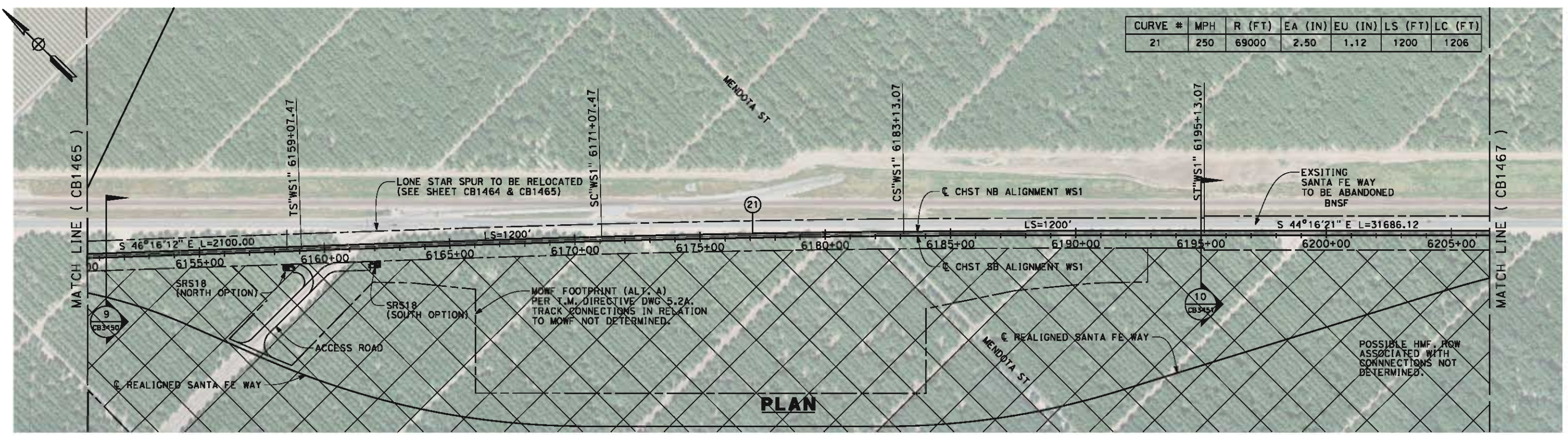


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6094+50 TO 6150+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1465
SCALE
AS SHOWN
SHEET NO.
18 OF 32

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
21	250	69000	2.50	1.12	1200	1206



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

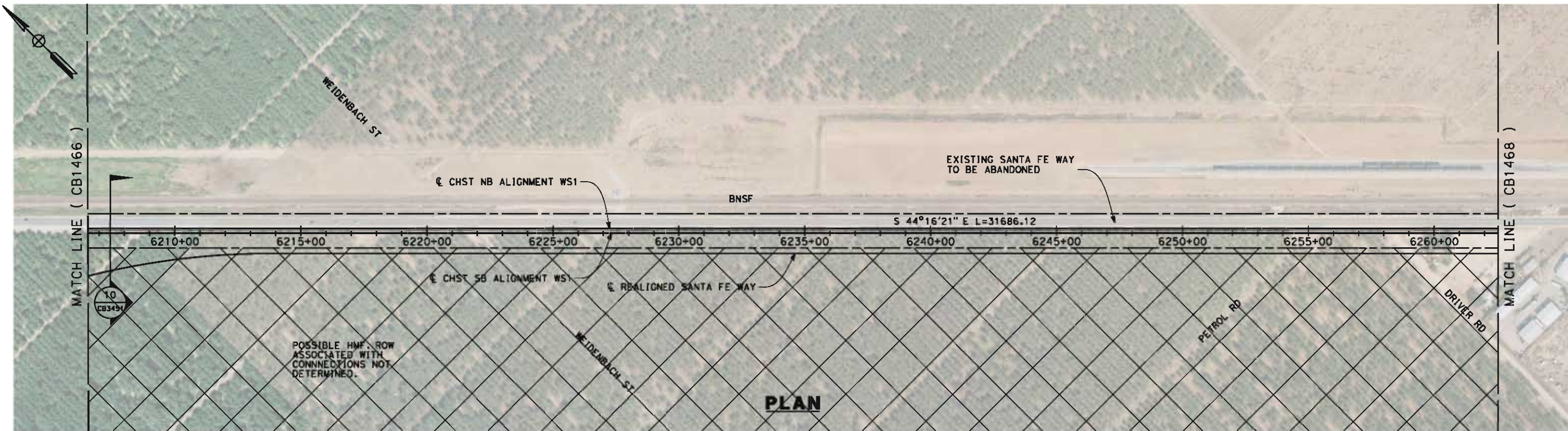
**NOT FOR
CONSTRUCTION**



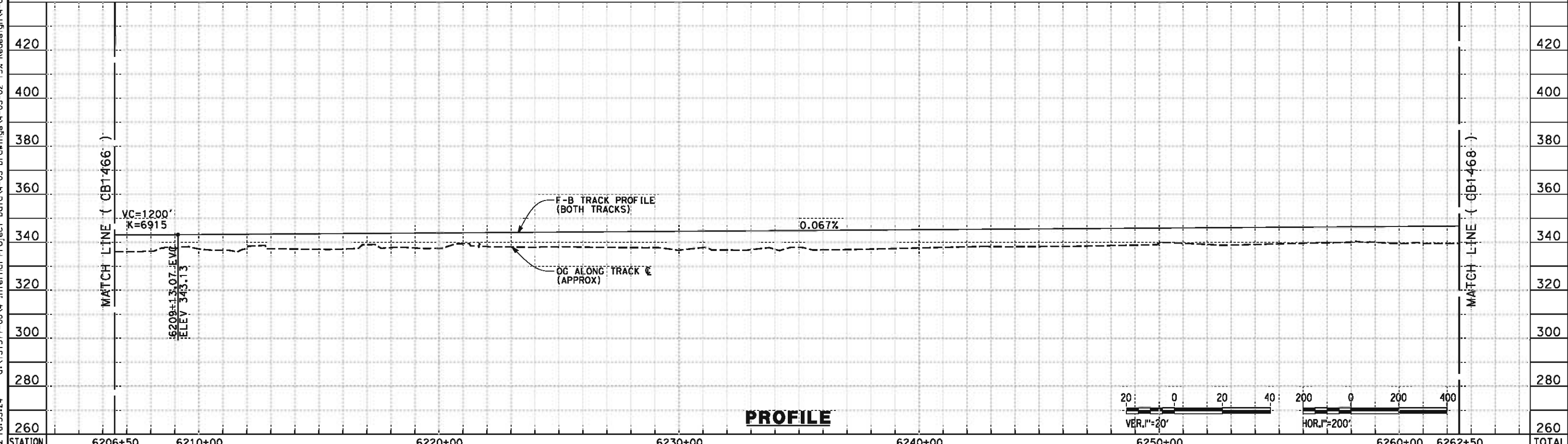
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6150+50 TO 6206+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1466
SCALE
AS SHOWN
SHEET NO.
19 OF 32

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PLAN



PROFILE

STATION	6206+50	6210+00	6220+00	6230+00	6240+00	6250+00	6260+00	6262+50	TOTAL
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CY	Exc								
	Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

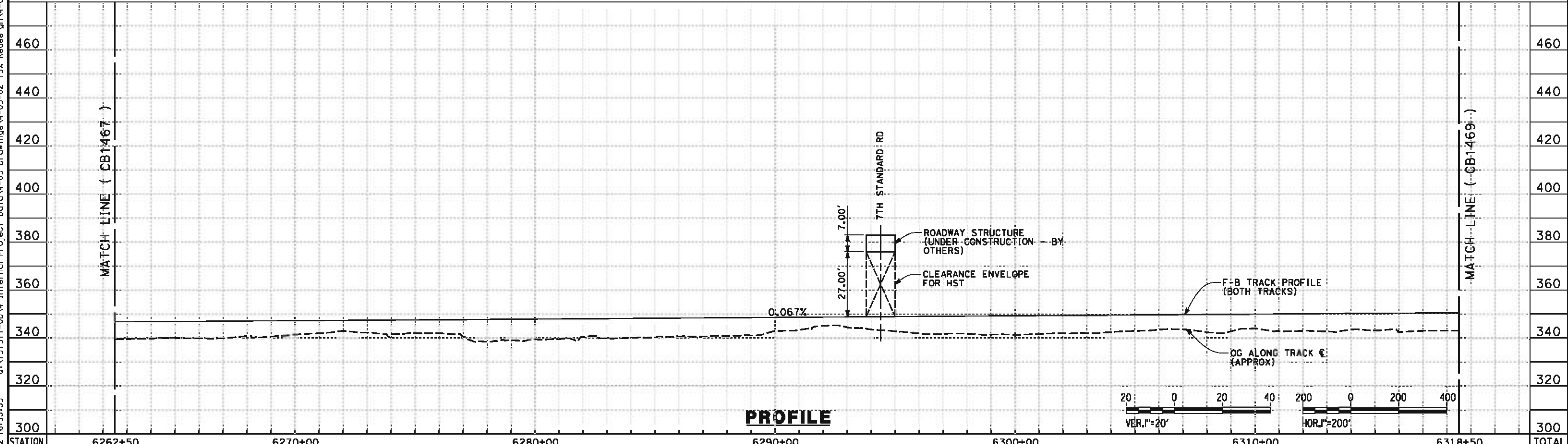
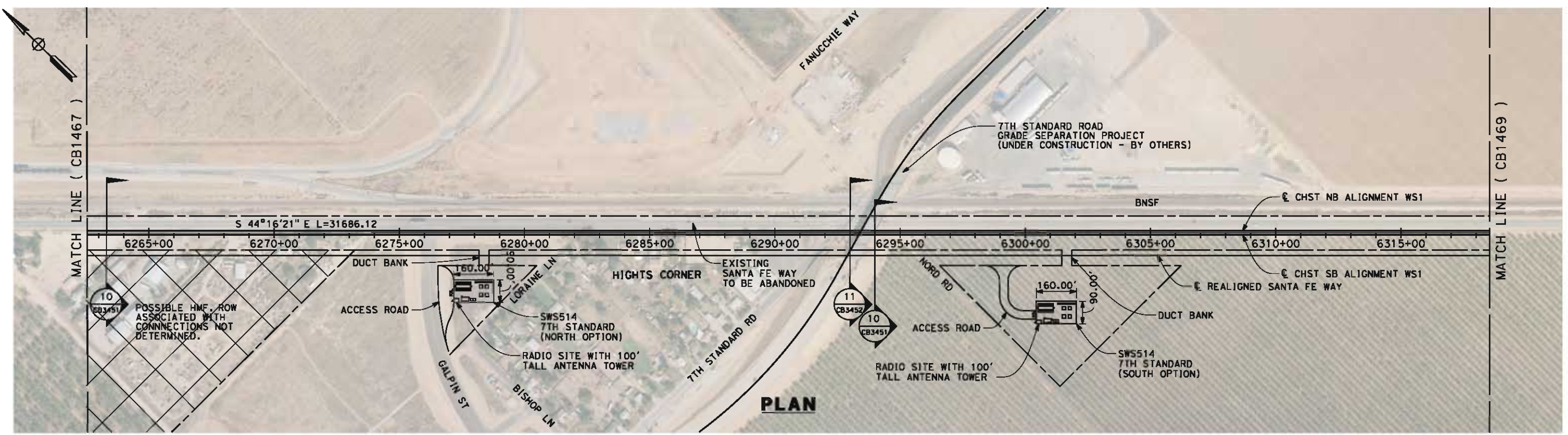
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6206+50 TO 6262+50
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB1467
SCALE
AS SHOWN
SHEET NO.
20 OF 32

05/11/2012 16:53:33 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\WS1\WB-CB-1468-WS1.dgn



STATION	6262+50	6270+00	6280+00	6290+00	6300+00	6310+00	6318+50	TOTAL
Exc								
Emb								

DESIGNED BY	I. WALKER
DRAWN BY	A. DEAN
CHECKED BY	J. LIPSCOMB
IN CHARGE	R. COFFIN
DATE	05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

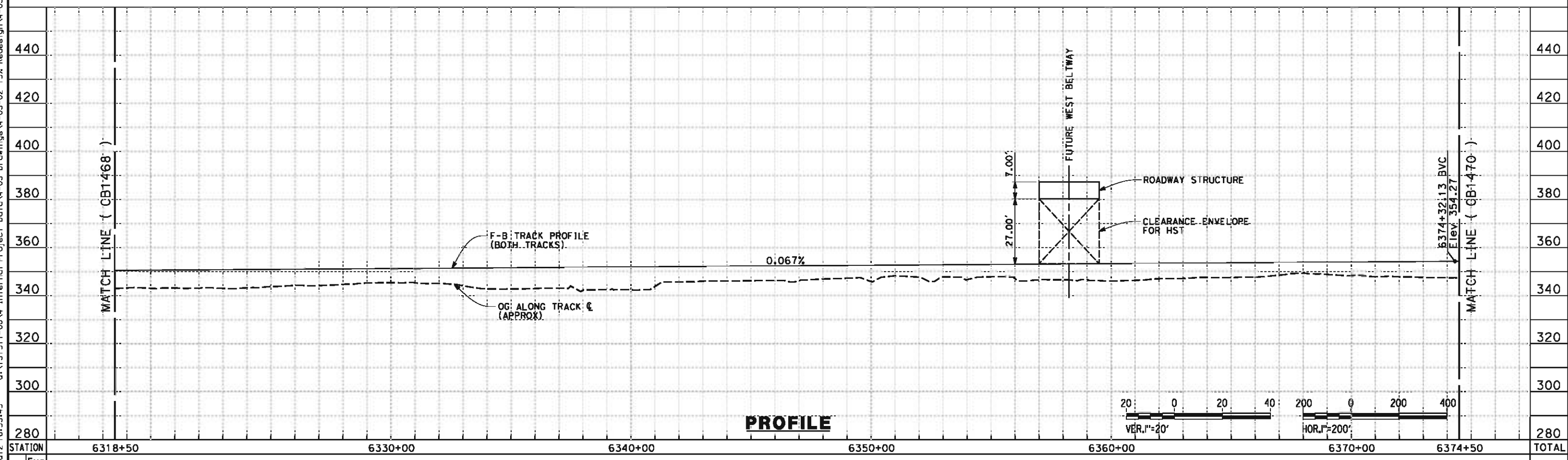
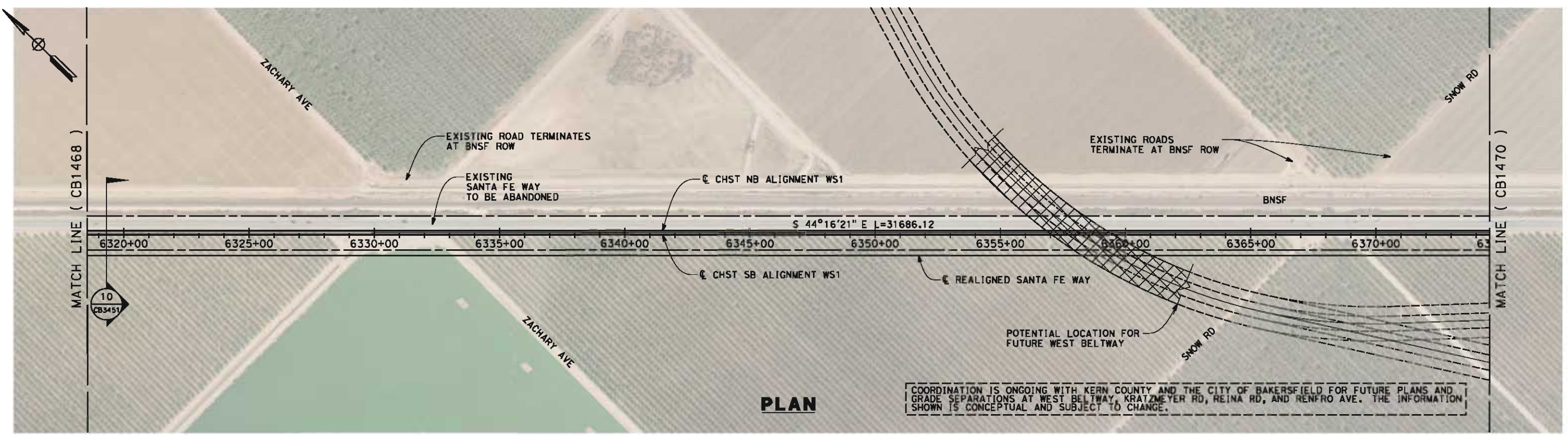


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6262+50 TO 6318+50
PLAN AND PROFILE

CONTRACT NO.	HSR-06-0003
DRAWING NO.	CB1468
SCALE	AS SHOWN
SHEET NO.	21 OF 32

05/11/2012 16:53:45 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\WS1\WB-CB-1469-WS1.dgn



STATION	6318+50	6330+00	6340+00	6350+00	6360+00	6370+00	6374+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

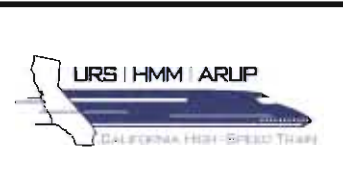
CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6318+50 TO 6374+50
PLAN AND PROFILE

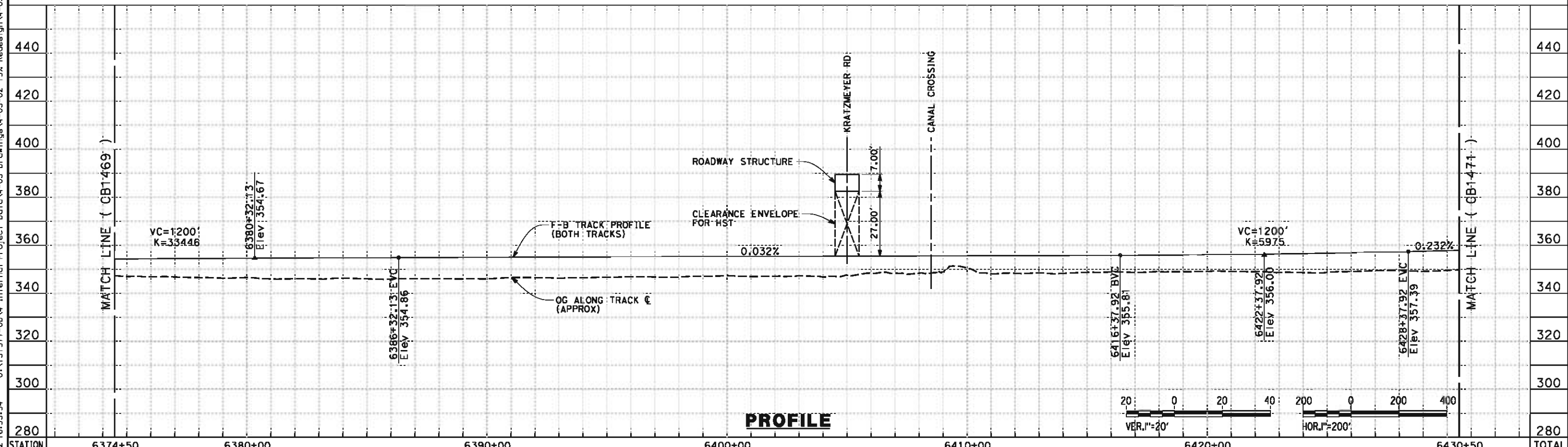
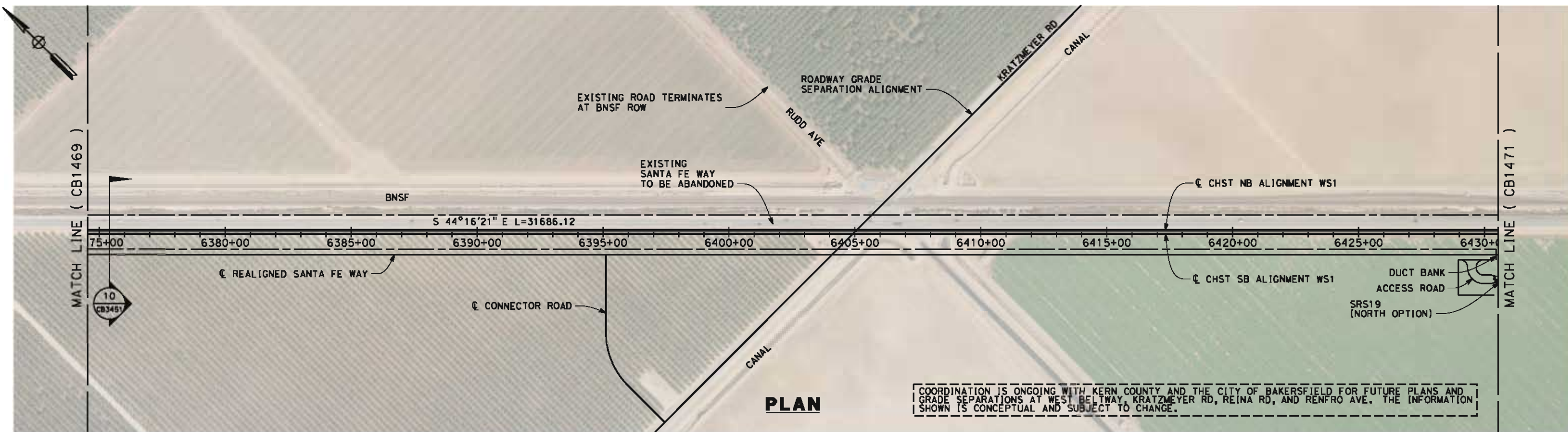
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1469

SCALE
AS SHOWN

SHEET NO.
22 OF 32

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STATION	6374+50	6380+00	6390+00	6400+00	6410+00	6420+00	6430+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6374+50 TO 6430+50
PLAN AND PROFILE

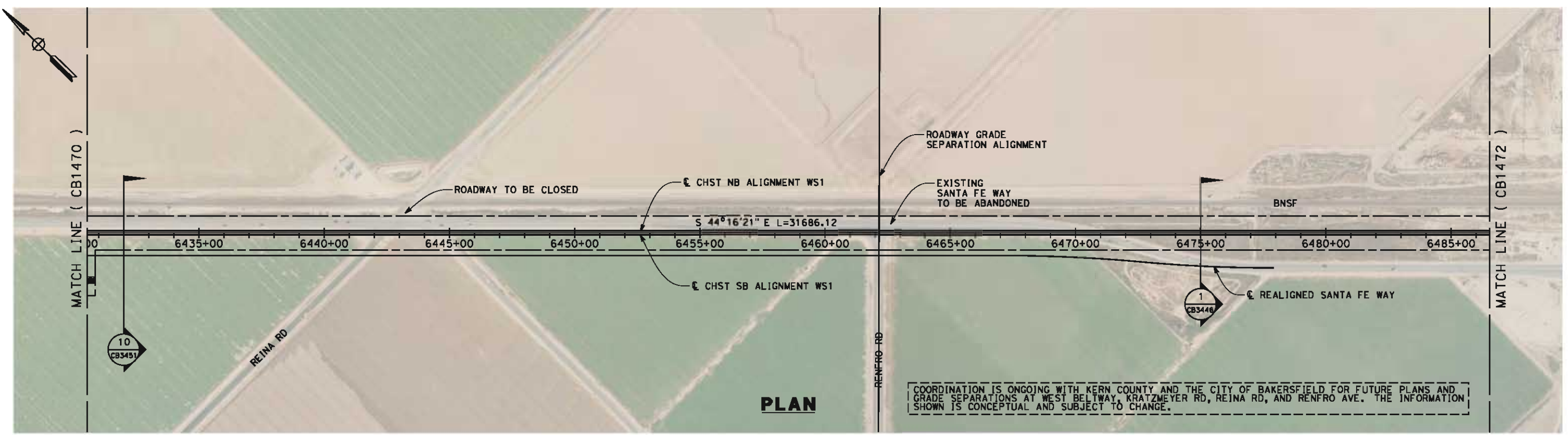
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HSR-06-0003

DRAWING NO.
CB1470

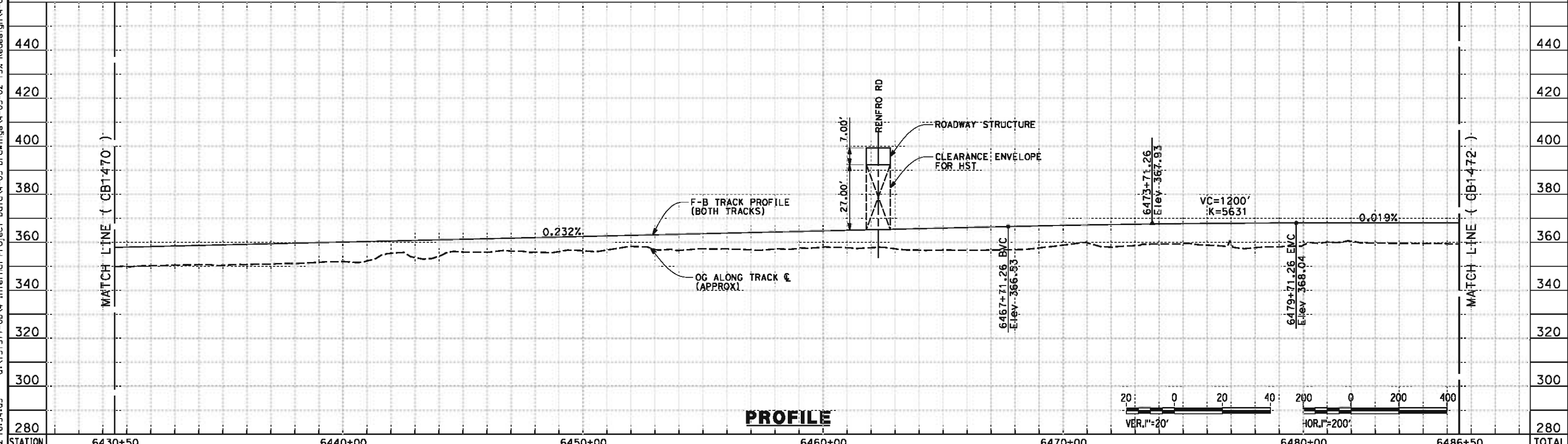
SCALE
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SHEET NO.
23 OF 32

05/11/2012 16:54:03 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\rcf\WS1\FB-CB-1471-WS1.dgn



PLAN



PROFILE

STATION	6430+50	6440+00	6450+00	6460+00	6470+00	6480+00	6486+50	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb						
----	-----	-----	--	--	--	--	--	--

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6430+50 TO 6486+50
PLAN AND PROFILE

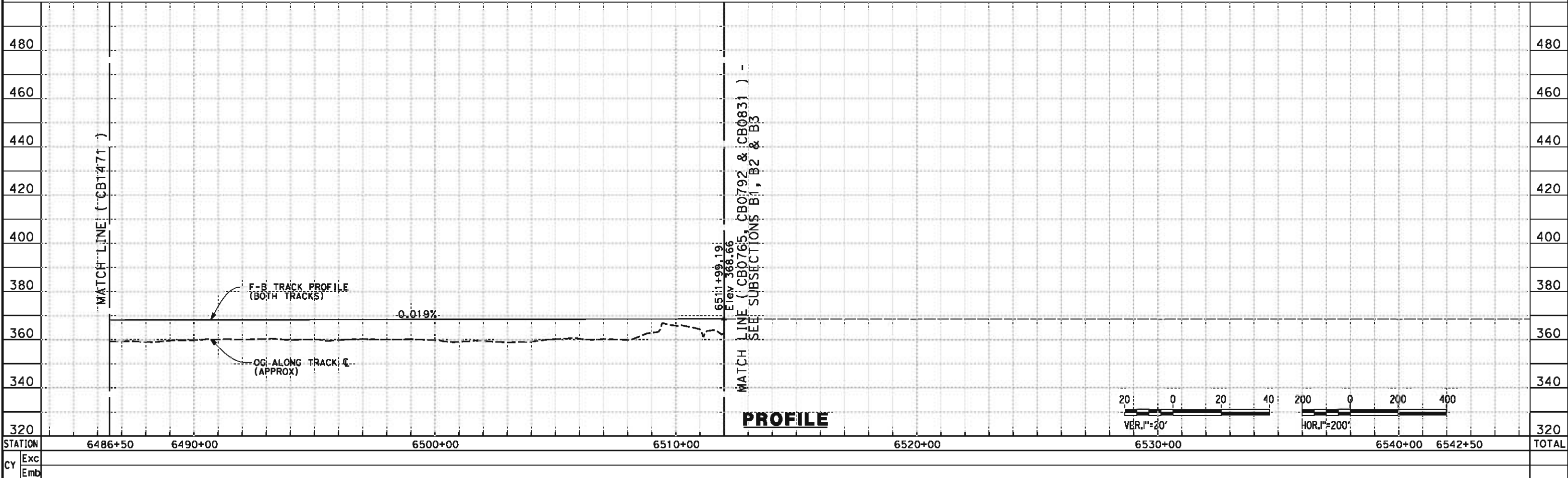
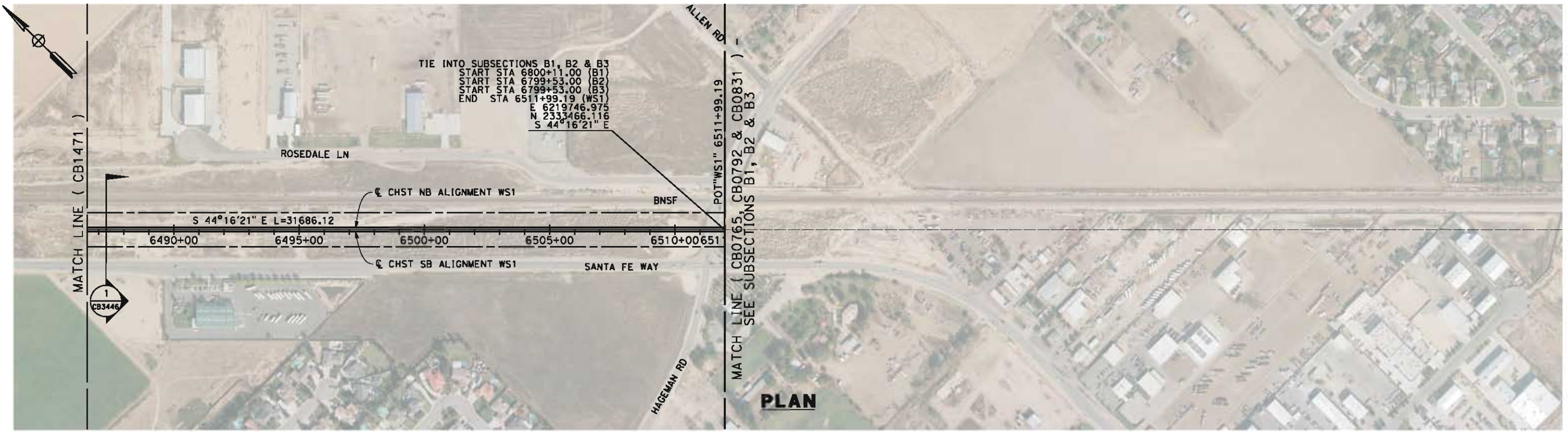
CONTRACT NO.
HSR-06-0003

DRAWING NO.
CB1471

SCALE
AS SHOWN

SHEET NO.
24 OF 32

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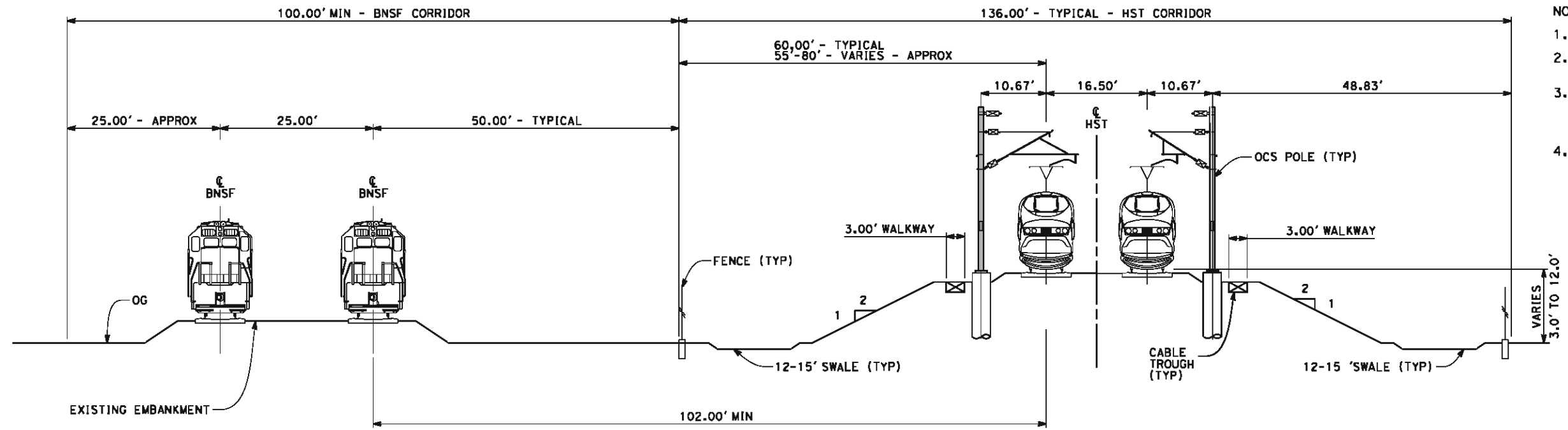


	STATION	6486+50	6490+00	6500+00	6510+00	6520+00	6530+00	6540+00	6542+50	TOTAL
CY	Exc									
	Emb									

DESIGNED BY I. WALKER DRAWN BY A. DEAN CHECKED BY J. LIPSCOMB IN CHARGE R. COFFIN DATE 05/18/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		
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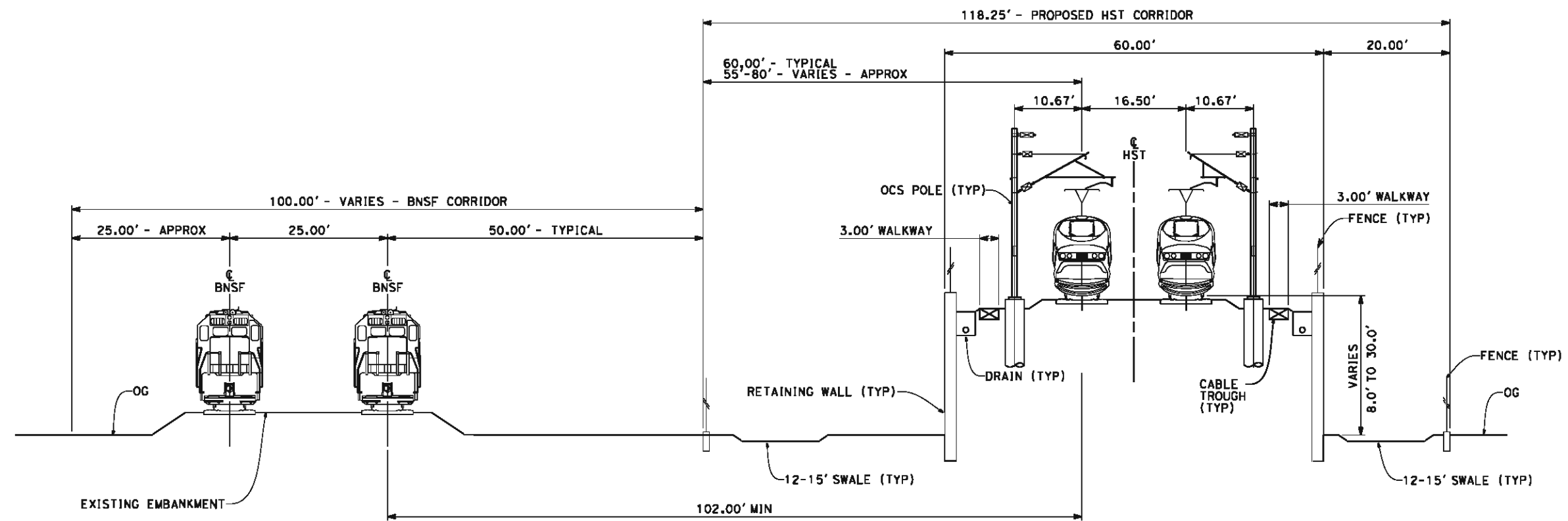
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD THROUGH WASCO-SHAFTER SUBSECTION ALIGNMENT WS1 STA. 6486+50 TO 6511+99.19 PLAN AND PROFILE	CONTRACT NO. HSR-06-0003 DRAWING NO. CB1472 SCALE AS SHOWN SHEET NO. 25 OF 32
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- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.

SECTION 1
 TWIN TRACK ADJACENT TO BNSF - EMBANKMENT
 STA 5422+50 THROUGH STA 5548+00
 STA 6475+00 THROUGH STA 6511+99



SECTION 2
 TWIN TRACK ADJACENT TO BNSF - RETAINED EMBANKMENT
 STA 5548+00 THROUGH STA 5564+80



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. WALKER
 DRAWN BY
A. DEAN
 CHECKED BY
J. LIPSCOMB
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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

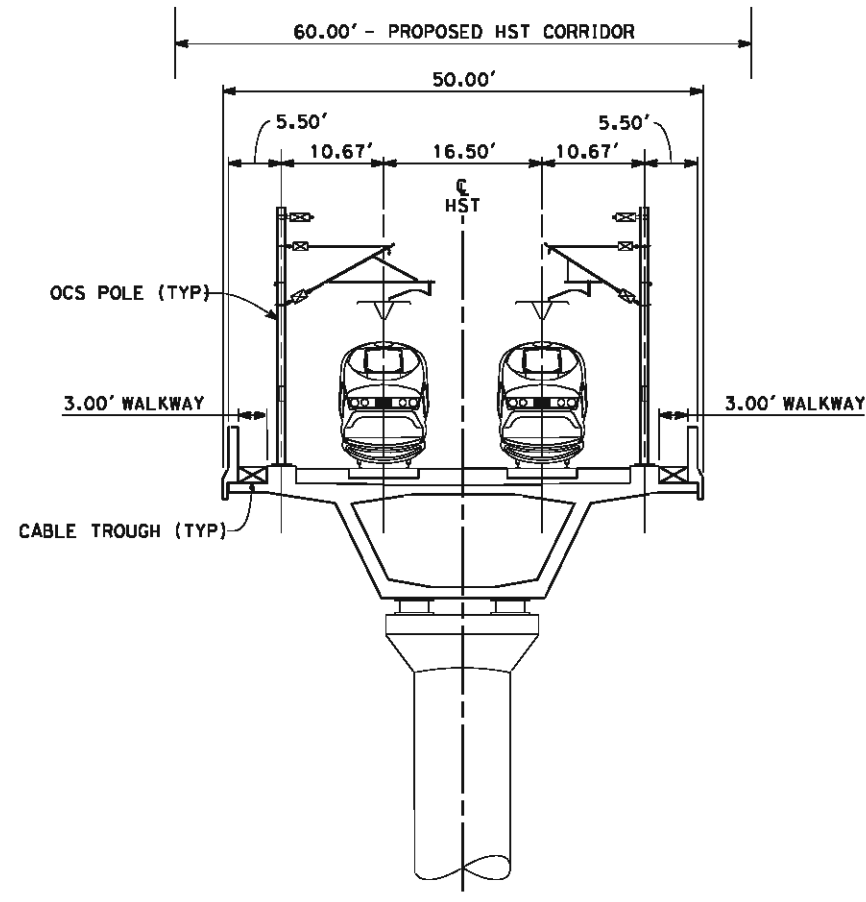


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 THROUGH WASCO-SHAFTER SUBSECTION
 ALIGNMENT WS1
 CROSS SECTIONS

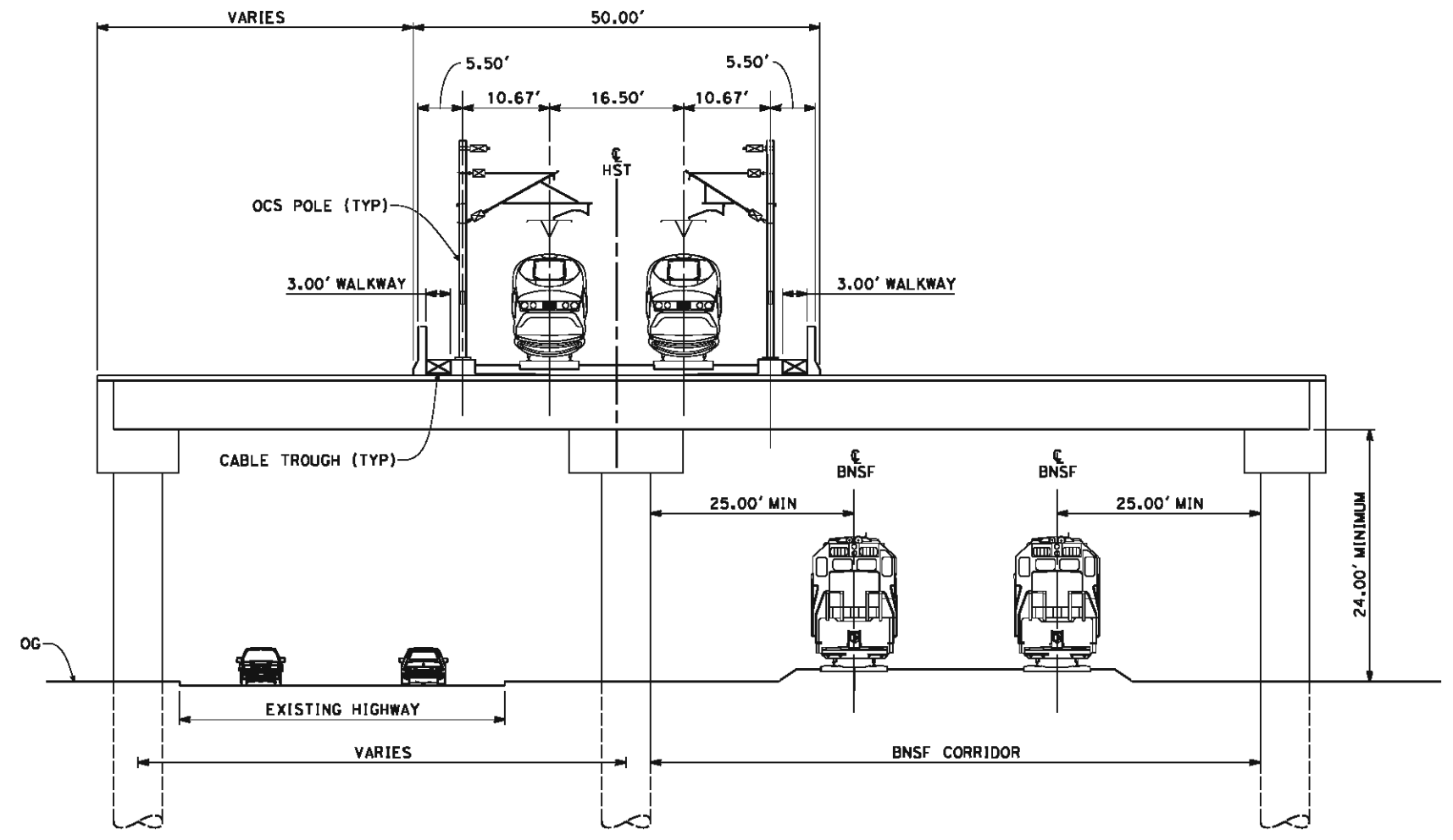
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3446
 SCALE
AS SHOWN
 SHEET NO.
26 OF 32

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- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3
 TWIN TRACK - AERIAL STRUCTURE
 STA 5564+80 THROUGH STA 5661+25
 STA 5674+75 THROUGH STA 5688+00
 STA 5946+00 THROUGH STA 6036+75
 STA 6060+50 THROUGH STA 6120+00



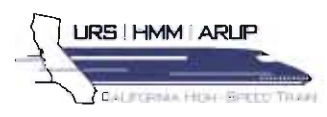
SECTION 4
 TWIN TRACK - ELEVATED SLAB OVER HIGHWAY AND BNSF
 STA 5661+25 THROUGH STA 5674+75



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
 DRAWN BY
A. DEAN
 CHECKED BY
J. LIPSCOMB
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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

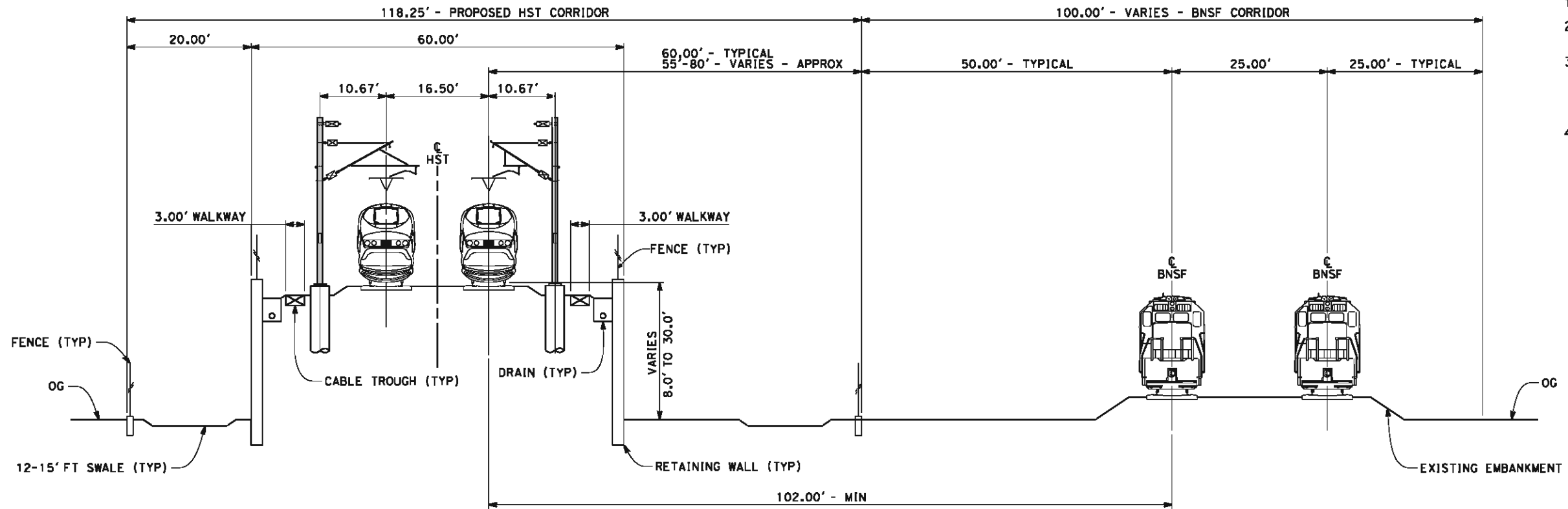


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 THROUGH WASCO-SHAFTER SUBSECTION
 ALIGNMENT WS1
 CROSS SECTIONS

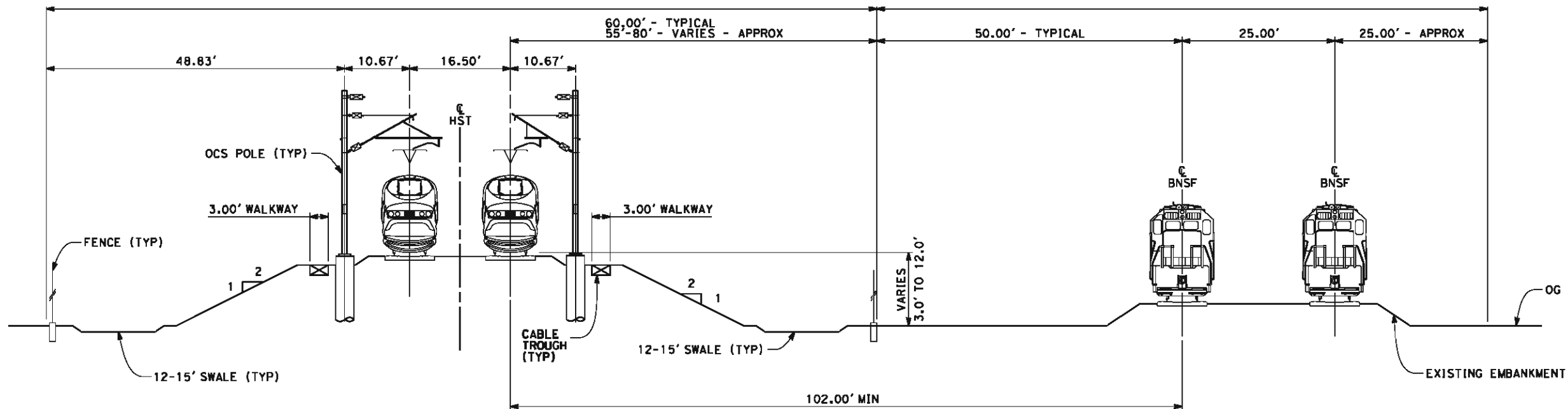
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3447
 SCALE
AS SHOWN
 SHEET NO.
27 OF 32

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- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 5
 TWIN TRACK ADJACENT TO BNSF - RETAINED EMBANKMENT
 STA 5688+00 THROUGH STA 5710+00
 STA 5920+00 THROUGH STA 5946+00



SECTION 6
 TWIN TRACK ADJACENT TO BNSF - AT GRADE
 STA 5710+00 THROUGH STA 5920+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
 DRAWN BY
A. DEAN
 CHECKED BY
J. LIPSCOMB
 IN CHARGE
R. COFFIN
 DATE
05/18/12

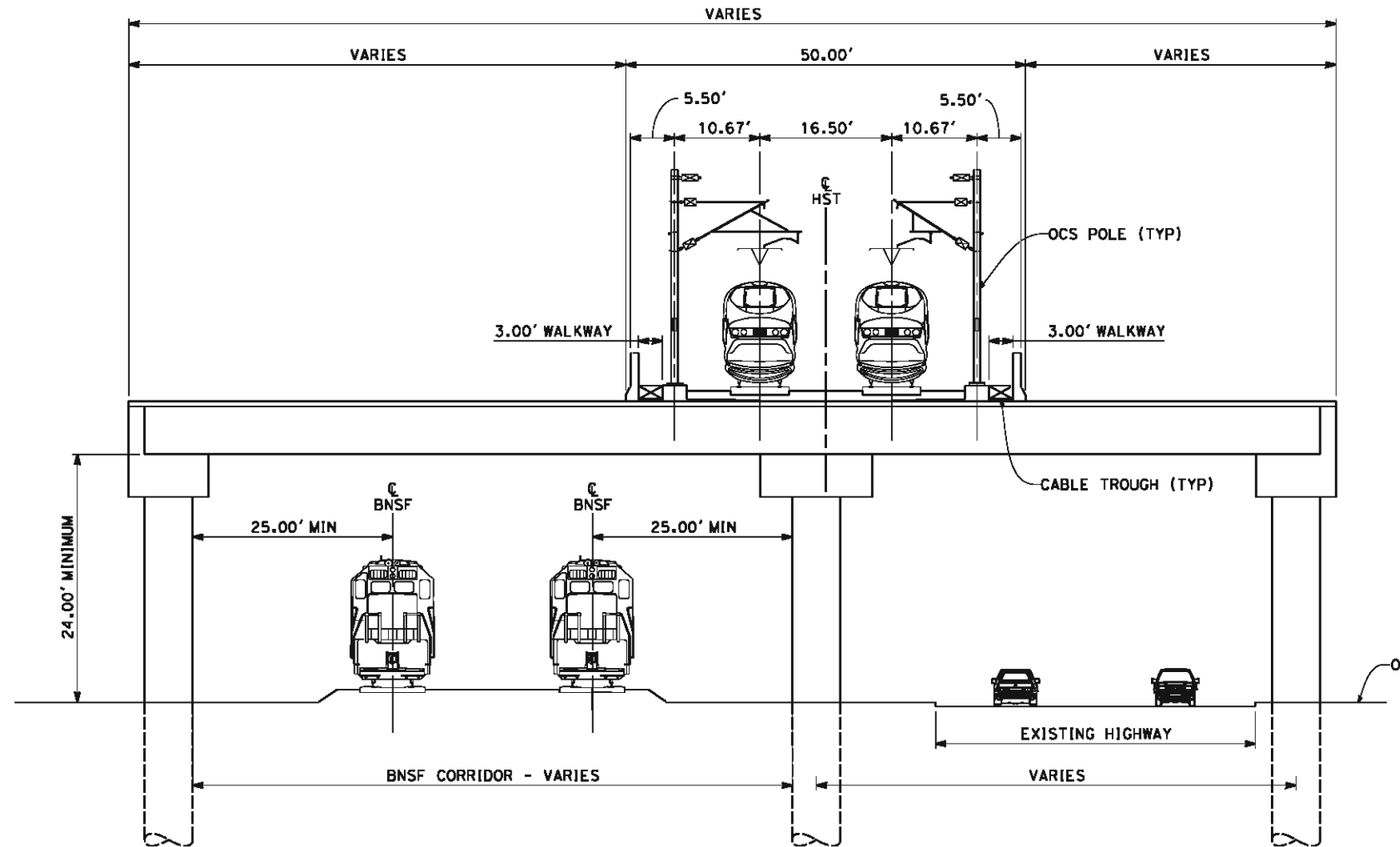
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 THROUGH WASCO-SHAFTER SUBSECTION
 ALIGNMENT WS1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3448
 SCALE
AS SHOWN
 SHEET NO.
28 OF 32

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 7

TWIN TRACK - ELEVATED SLAB OVER BNSF AND HIGHWAY
STA 6036+75 THROUGH STA 6060+50



05/11/2012 16:54:36 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-3449-WS1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



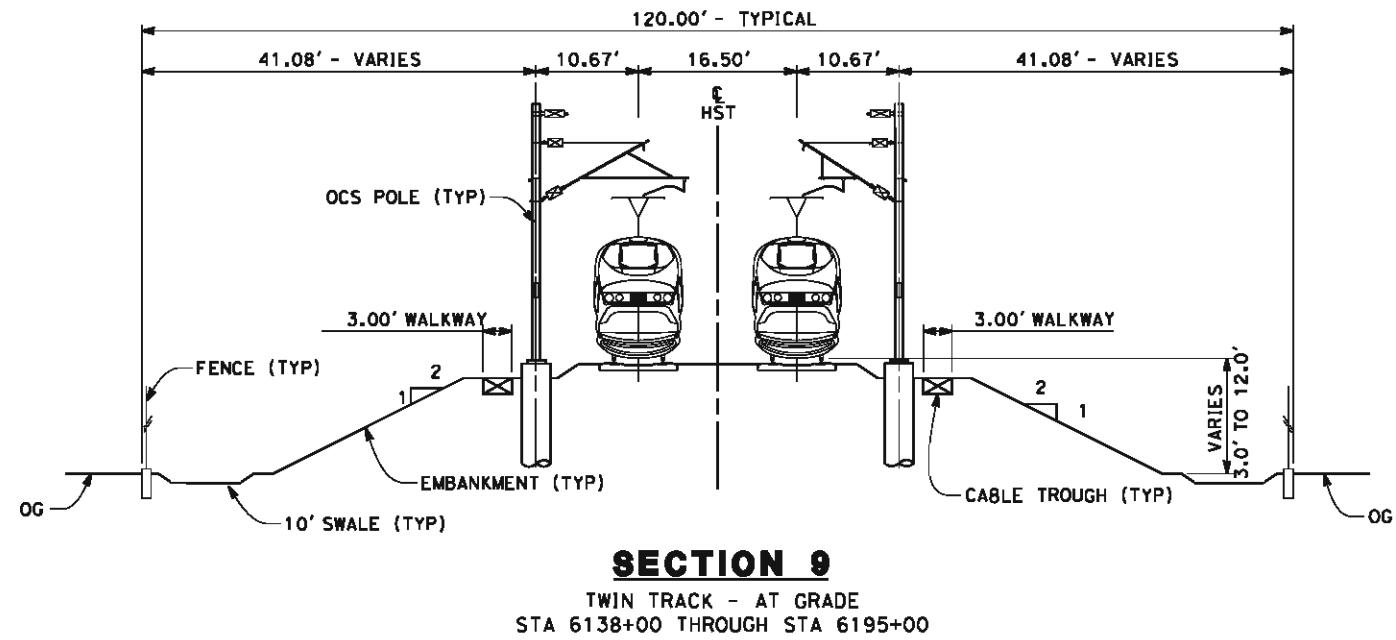
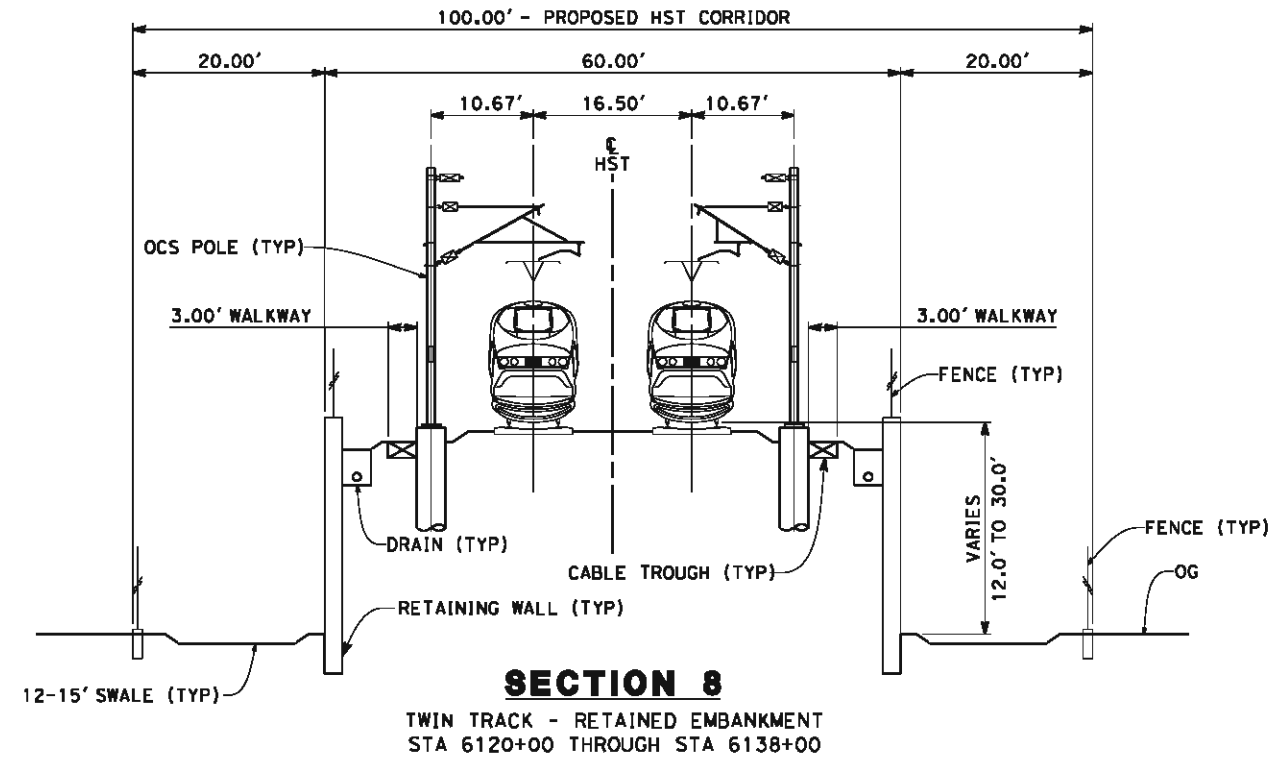
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3449
SCALE
AS SHOWN
SHEET NO.
29 OF 32

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NOTES:

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. WALKER
DRAWN BY A. DEAN
CHECKED BY J. LIPSCOMB
IN CHARGE R. COFFIN
DATE 05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

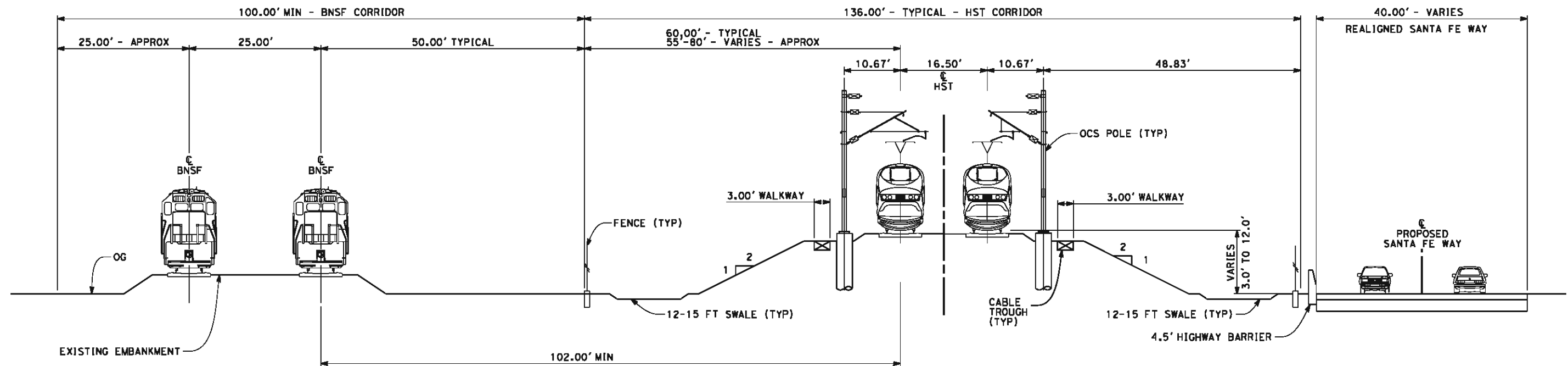
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3450
SCALE AS SHOWN
SHEET NO. 30 OF 32

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 10

TWIN TRACK ADJACENT TO BNSF - SANTA FE WAY RE-ALIGNMENT
 STA 6195+00 THROUGH STA 6293+00
 STA 6294+00 THROUGH STA 6475+00



geaff.walker 5/18/2012 4:52:37 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS1\FB-CB-3451-WS1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
 DRAWN BY
A. DEAN
 CHECKED BY
J. LIPSCOMB
 IN CHARGE
R. COFFIN
 DATE
05/18/12

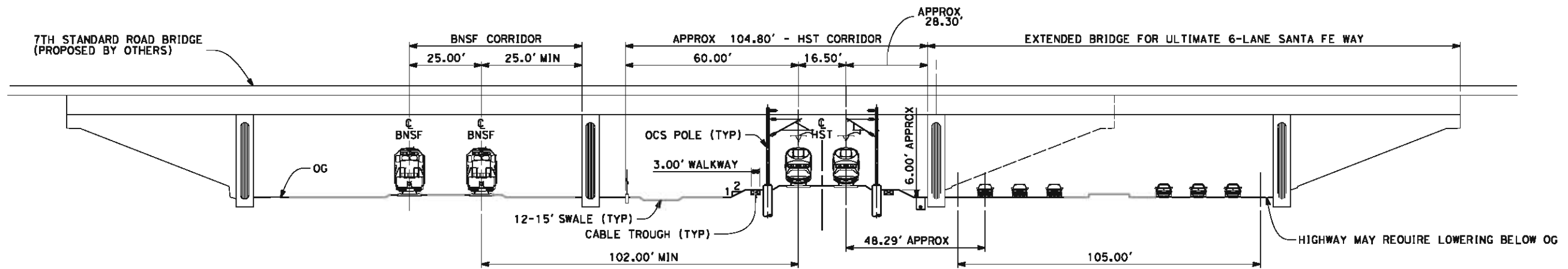
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 THROUGH WASCO-SHAFTER SUBSECTION
 ALIGNMENT WS1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3451
 SCALE
AS SHOWN
 SHEET NO.
31 OF 32

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 11

TWIN TRACK ADJACENT TO BNSF - EMBANKMENT WITH SANTA FE WAY REALIGNMENT AT 7TH STANDARD ROAD
STA 6293+00 THROUGH STA 6294+00



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
CROSS SECTIONS

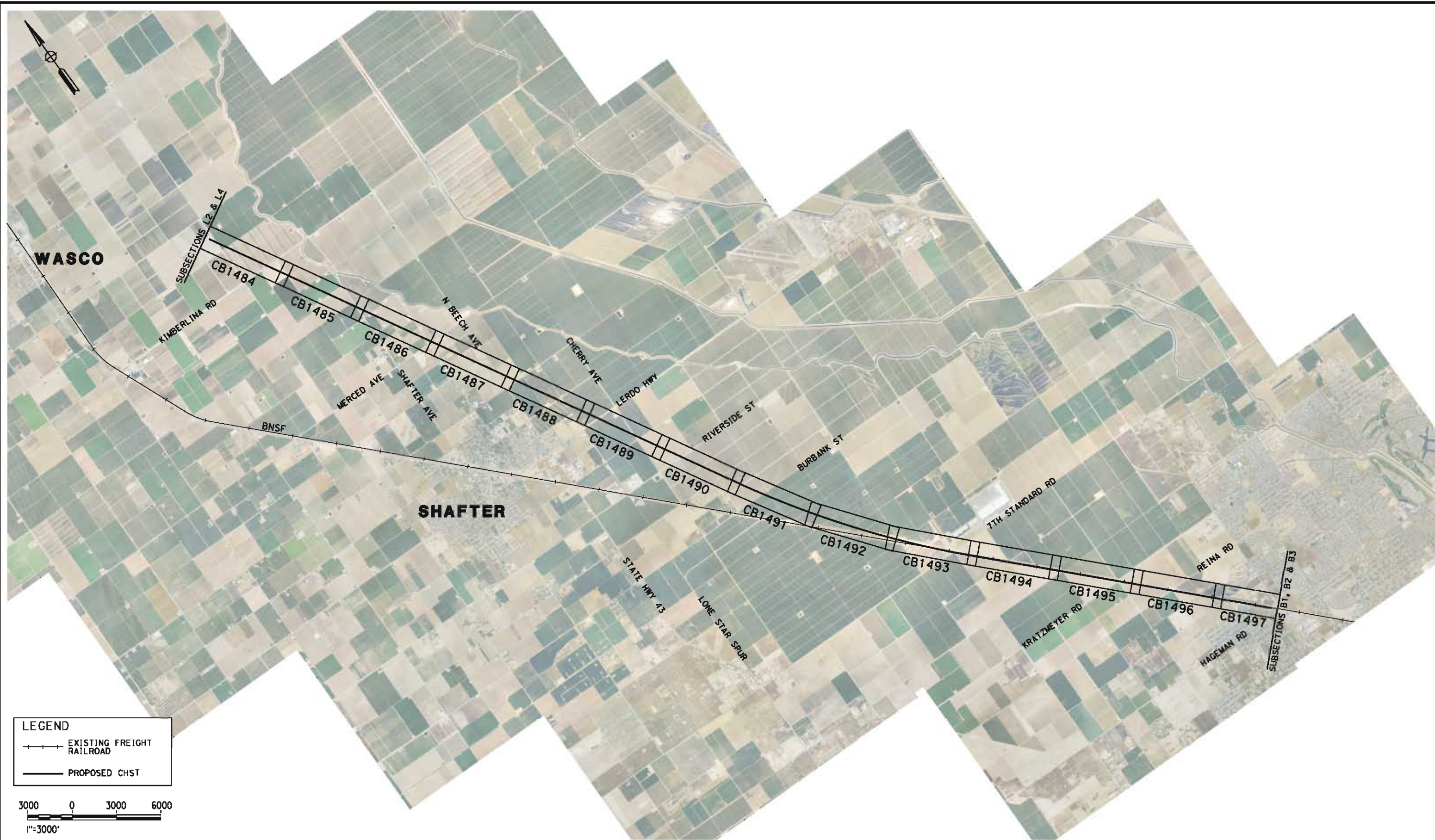
CONTRACT NO.
HSR 06-0003

DRAWING NO.
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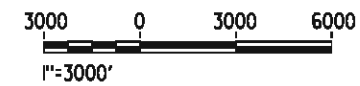
SHEET NO.
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LEGEND

- EXISTING FREIGHT RAILROAD
- PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT

FRESNO TO BAKERSFIELD

WASCO-SHAFTER BYPASS SUBSECTION

ALIGNMENT WS2

STA. 5703+34.00 TO 6468+32.91

KEYPLAN

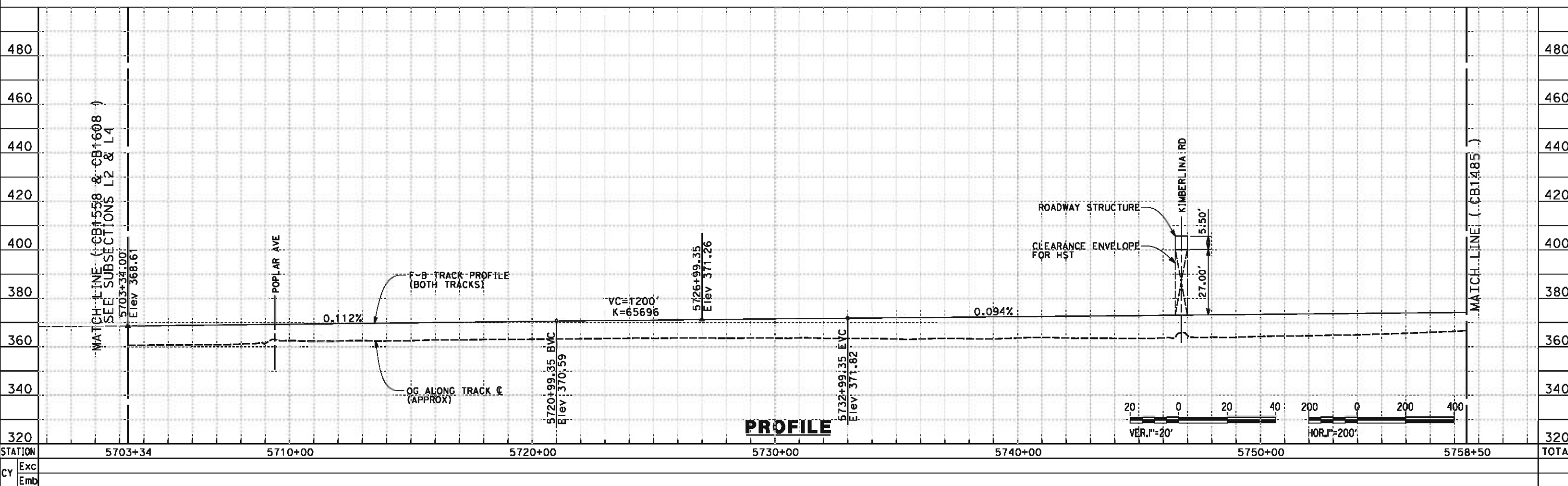
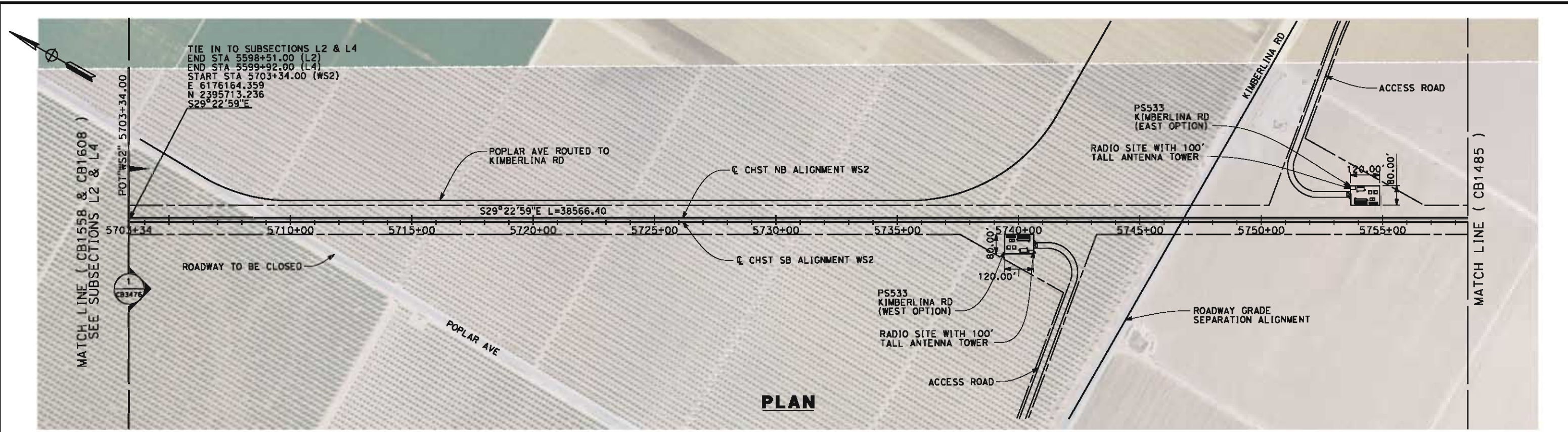
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1483

SCALE
AS SHOWN

SHEET NO.
1 OF 19

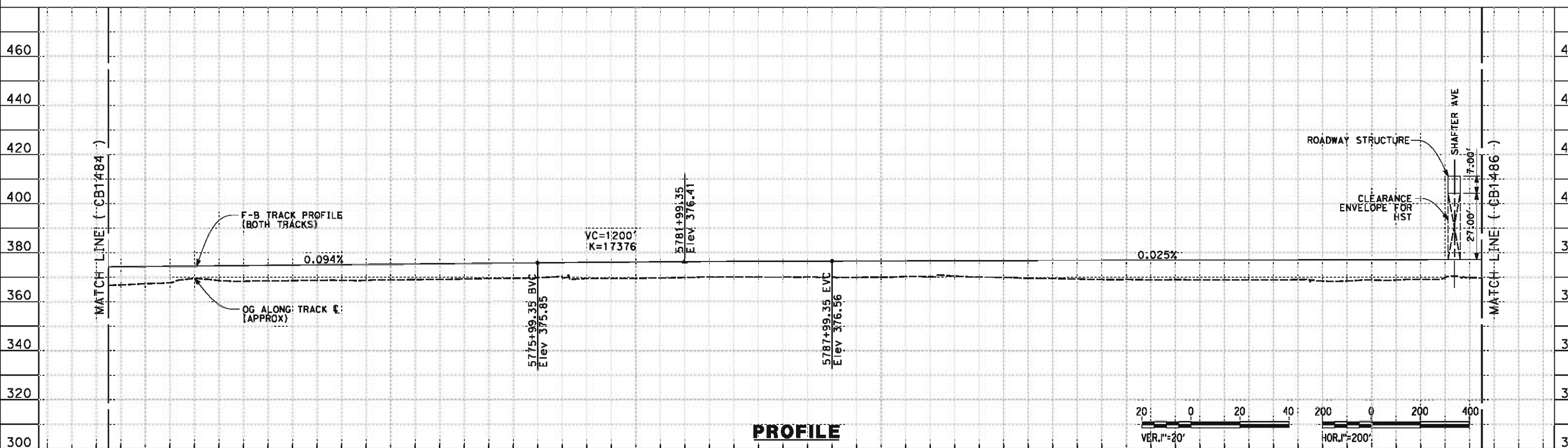
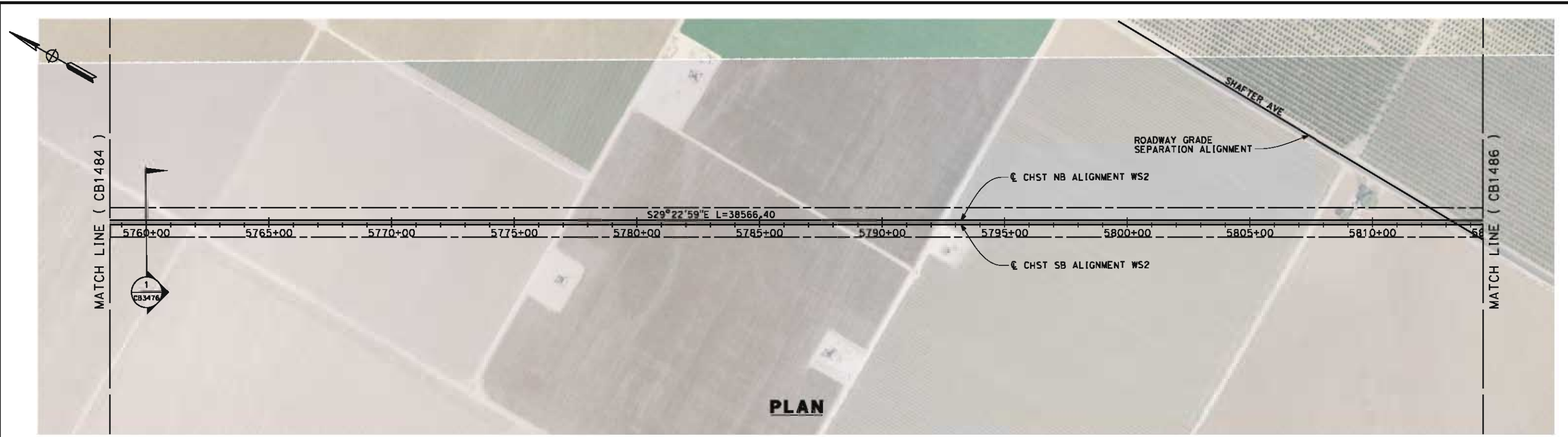
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STATION	5703+34	5710+00	5720+00	5730+00	5740+00	5750+00	5758+50	TOTAL
Exc								
Emb								

DESIGNED BY I. WALKER	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD WASCO-SHAFTER BYPASS SUBSECTION ALIGNMENT WS2 STA. 5703+34.00 TO 5758+50 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY A. DEAN					DRAWING NO. CB1484
CHECKED BY J. LIPSCOMB					SCALE AS SHOWN
IN CHARGE R. COFFIN					SHEET NO. 2 OF 19
DATE 05/18/12					

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STATION	5758+50	5770+00	5780+00	5790+00	5800+00	5810+00	5814+50	TOTAL
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CY	Exc							
	Emb							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

**WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 5758+50 TO 5814+50
PLAN AND PROFILE**

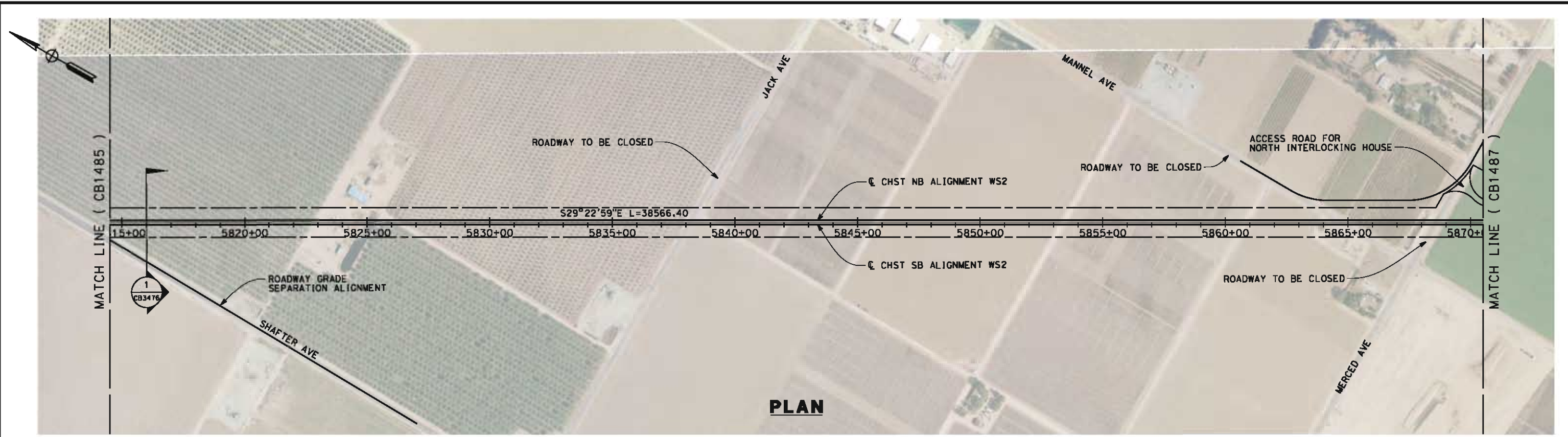
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1485

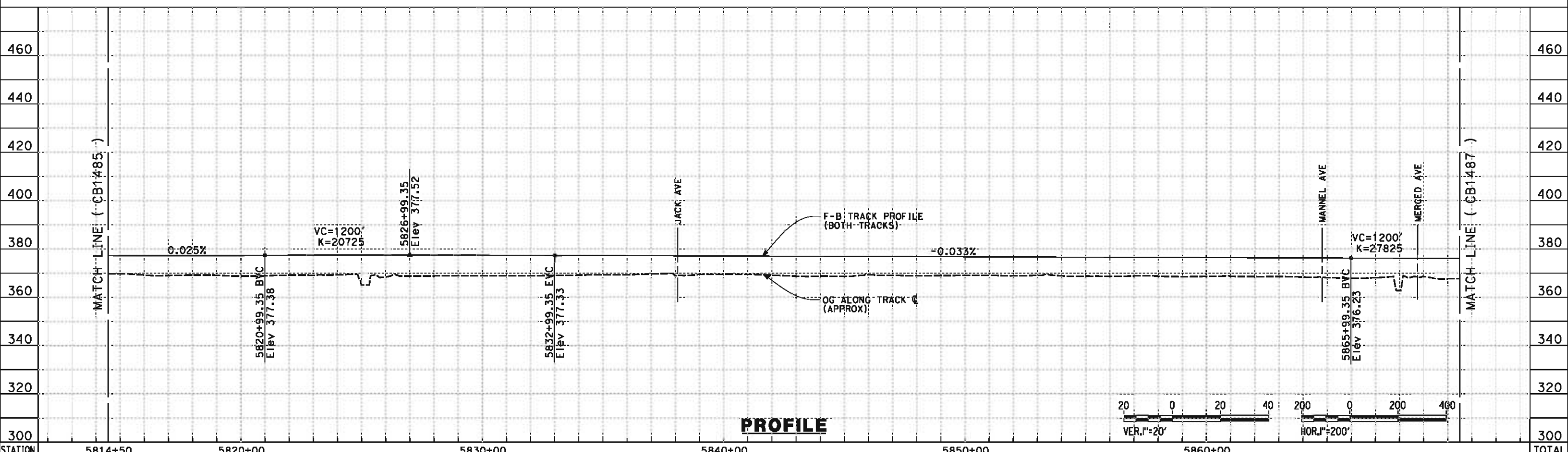
SCALE
AS SHOWN

SHEET NO.
3 OF 19

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PLAN



PROFILE

STATION	5814+50	5820+00	5830+00	5840+00	5850+00	5860+00		TOTAL
CY Exc								
CY Emb								

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

WASCO-SHAFTER BYPASS SUBSECTION

ALIGNMENT WS2
STA. 5814+50 TO 5870+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

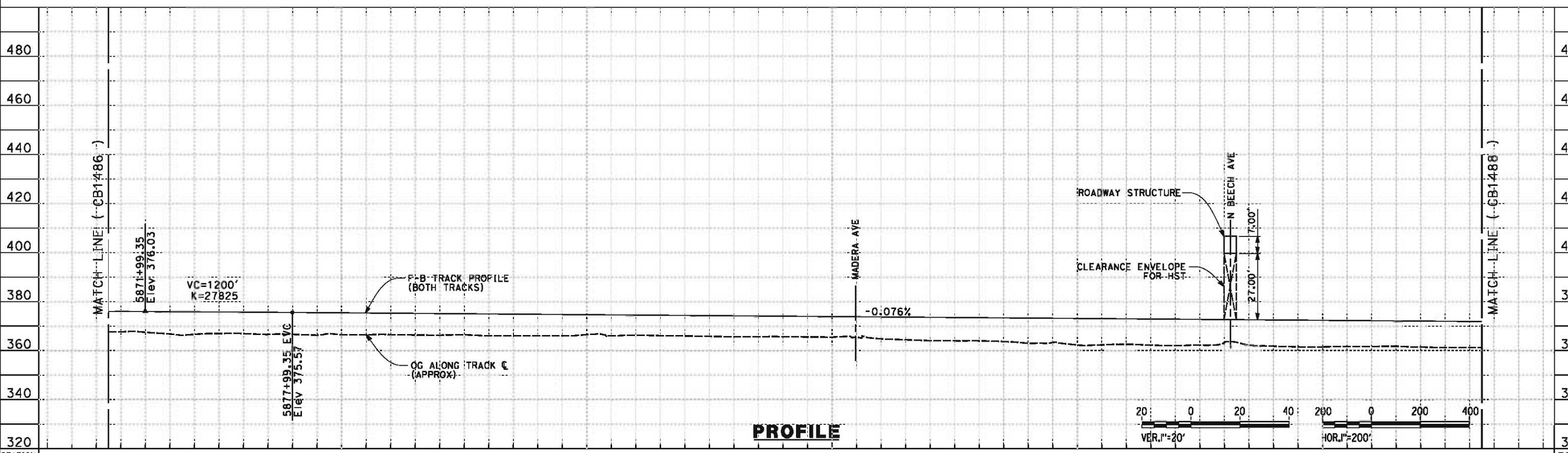
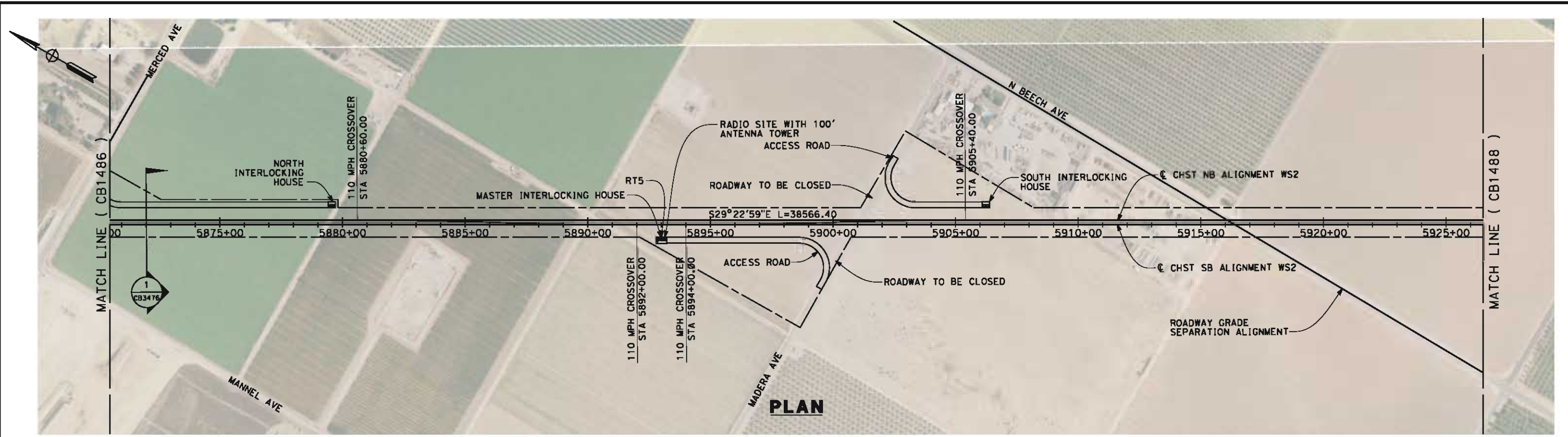
DRAWING NO.
CB1486

SCALE
AS SHOWN

SHEET NO.
4 OF 19

REV	DATE	BY	CHK	APP	DESCRIPTION

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STATION	5870+50	5880+00	5890+00	5900+00	5910+00	5920+00	5926+50	TOTAL
Exc								
Emb								

DESIGNED BY	I. WALKER
DRAWN BY	A. DEAN
CHECKED BY	J. LIPSCOMB
IN CHARGE	R. COFFIN
DATE	05/18/12

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

URS HMM ARLUP
CALIFORNIA HIGH-SPEED TRAIN

DESIGNED BY	I. WALKER
DRAWN BY	A. DEAN
CHECKED BY	J. LIPSCOMB
IN CHARGE	R. COFFIN
DATE	05/18/12

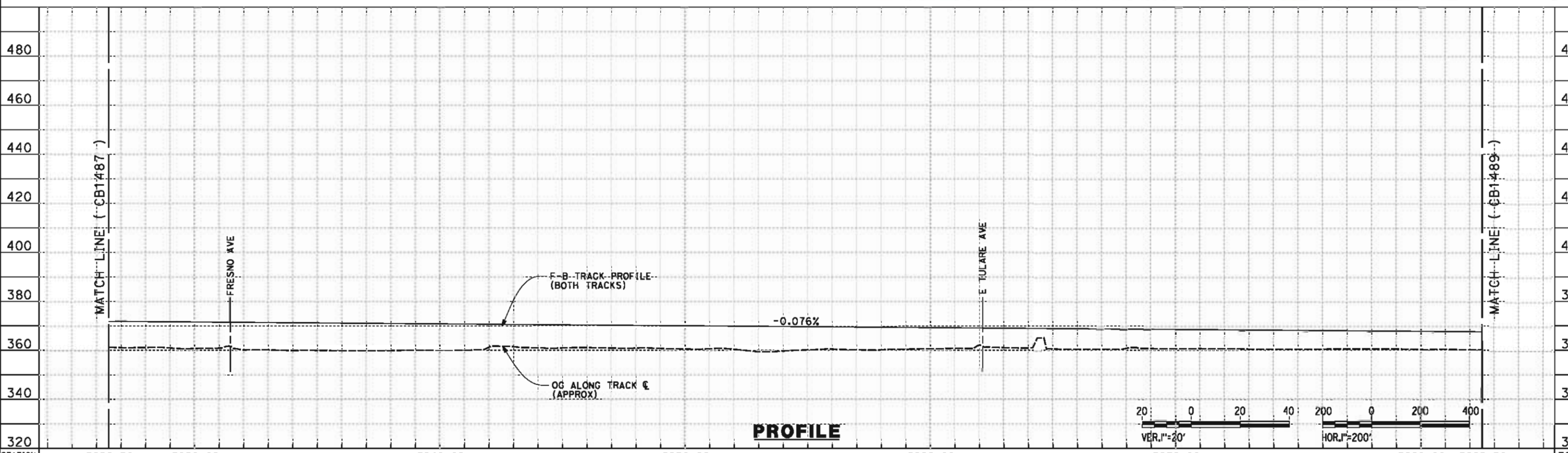
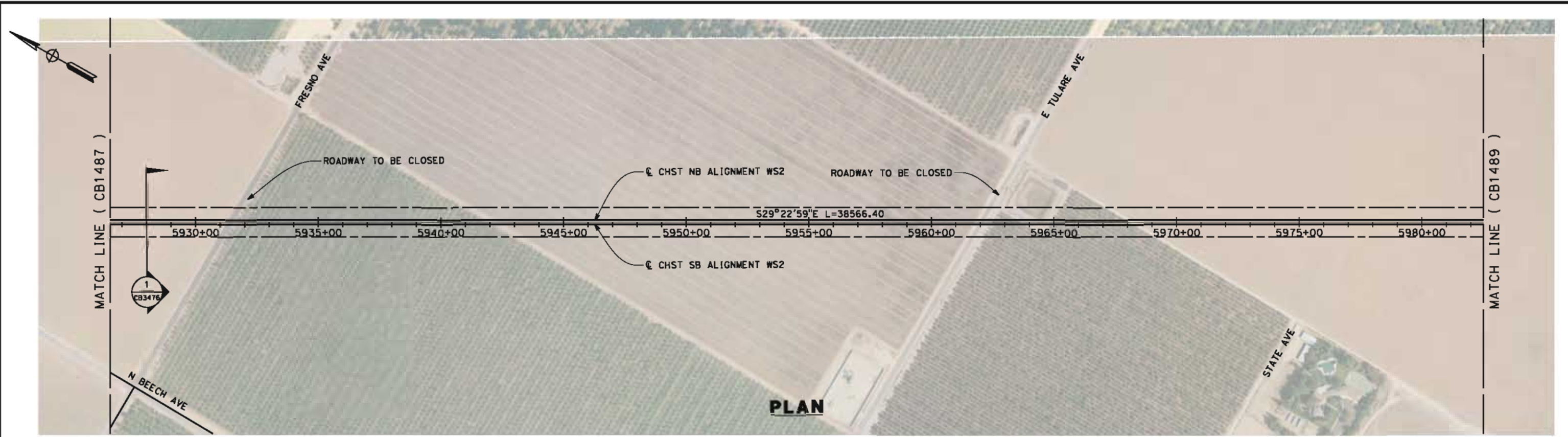


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 WASCO-SHAFTER BYPASS SUBSECTION
 ALIGNMENT WS2
 STA. 5870+50 TO 5926+50
 PLAN AND PROFILE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1487
SCALE	AS SHOWN
SHEET NO.	5 OF 19

05/11/2012 14:26:43 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS2\FB-CB-1488-WS2.dgn



STATION	5926+50	5930+00	5940+00	5950+00	5960+00	5970+00	5980+00	5982+50	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

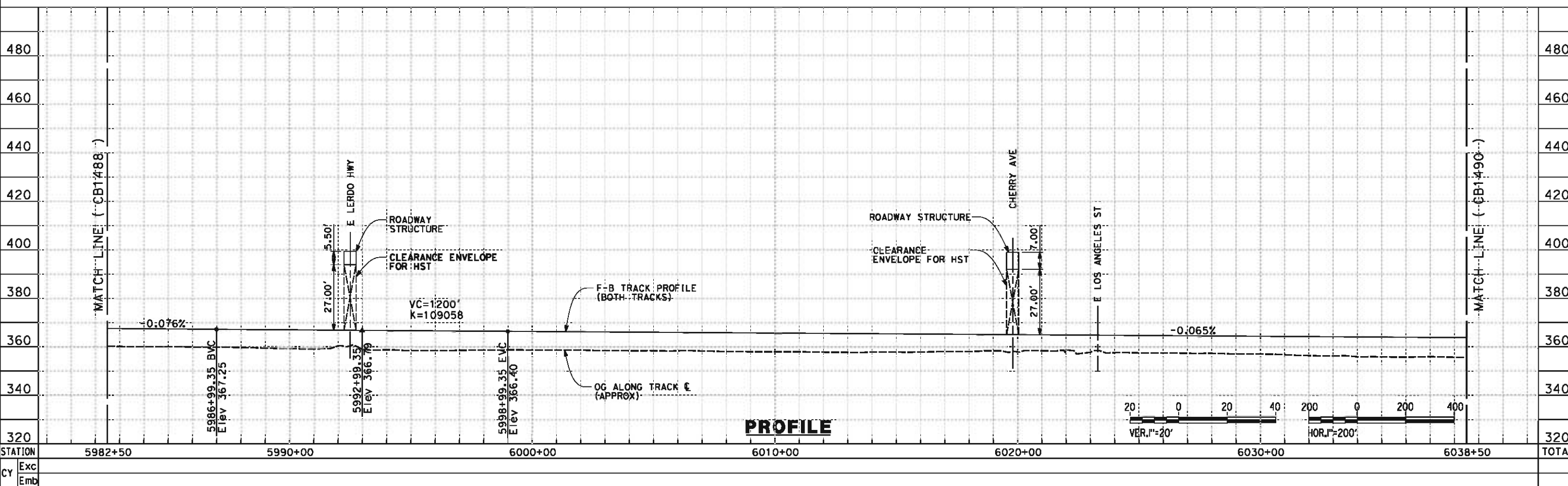
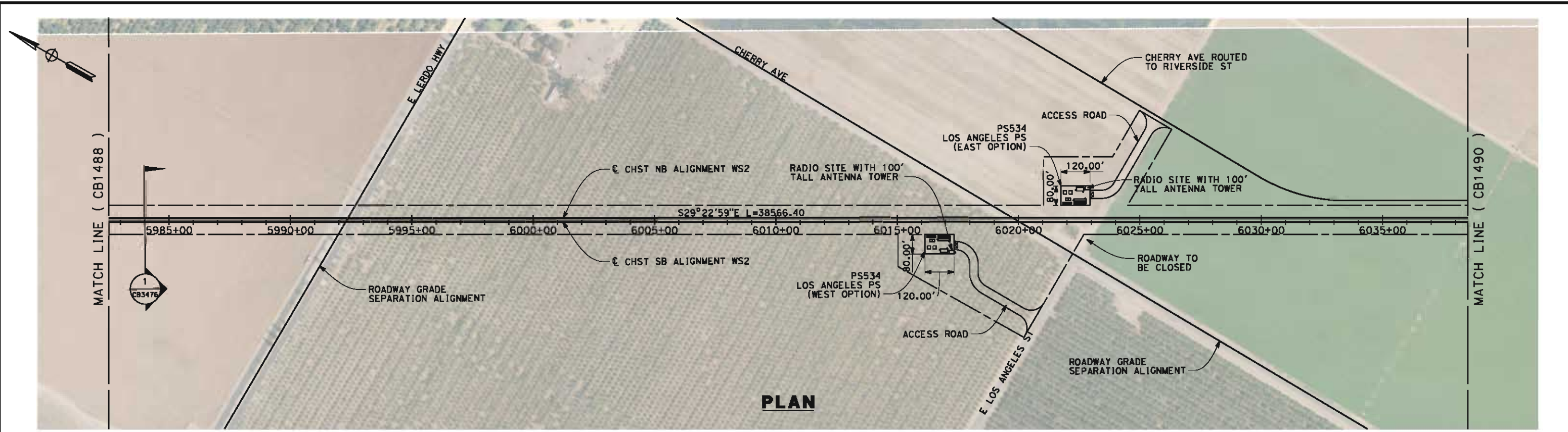
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 WASCO-SHAFTER BYPASS SUBSECTION
 ALIGNMENT WS2
 STA. 5926+50 TO 5982+50
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1488
SCALE
AS SHOWN
SHEET NO.
6 OF 19

05/11/2012 14:26:53 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS2\FB-CB-1489-WS2.dgn

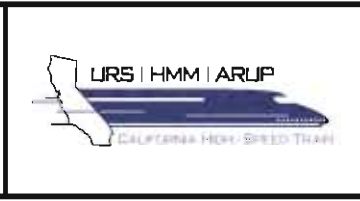


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

WASCO-SHAFTER BYPASS SUBSECTION

ALIGNMENT WS2

STA. 5982+50 TO 6038+50

PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

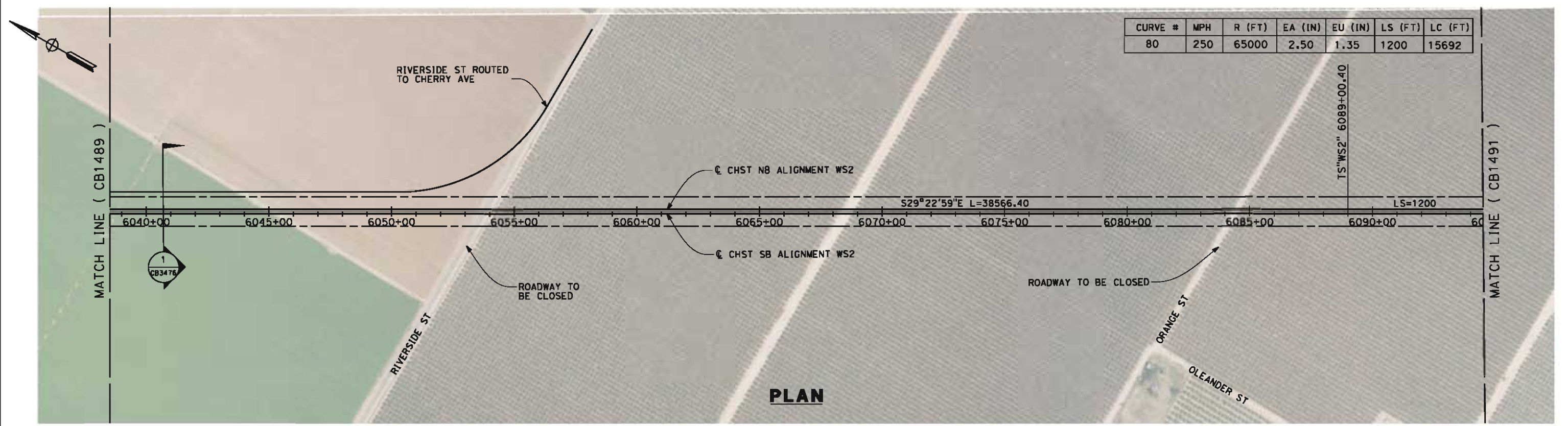
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CB1489

SCALE
AS SHOWN

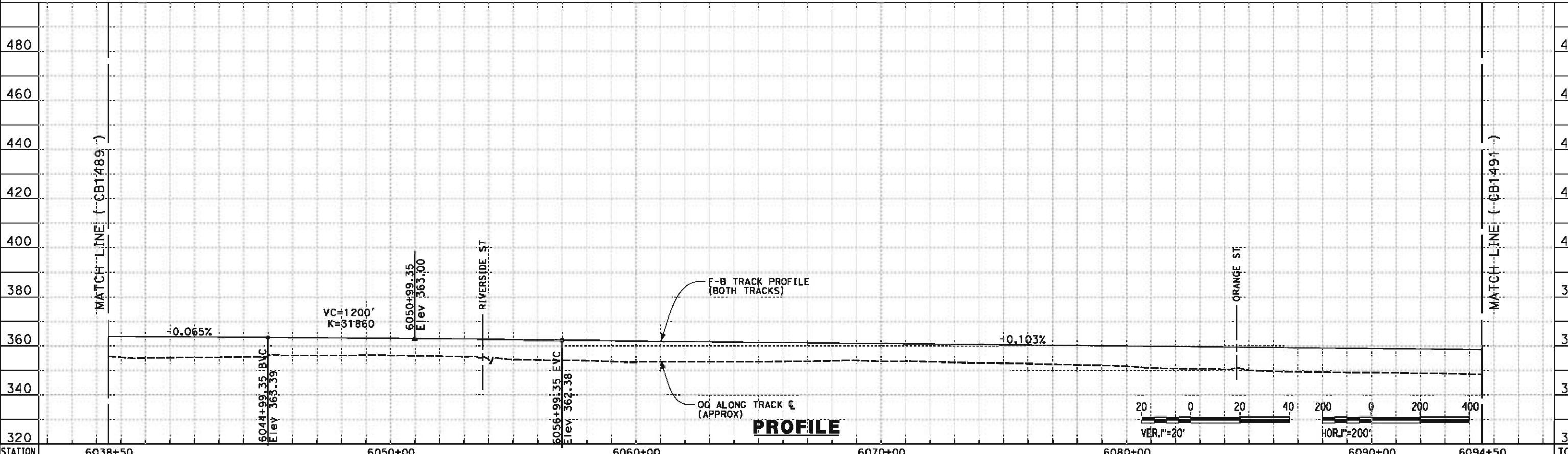
SHEET NO.
7 OF 19

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
80	250	65000	2.50	1.35	1200	15692



PLAN



PROFILE

STATION	6038+50	6050+00	6060+00	6070+00	6080+00	6090+00	6094+50	TOTAL
Exc								
Emb								

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6038+50 TO 6094+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

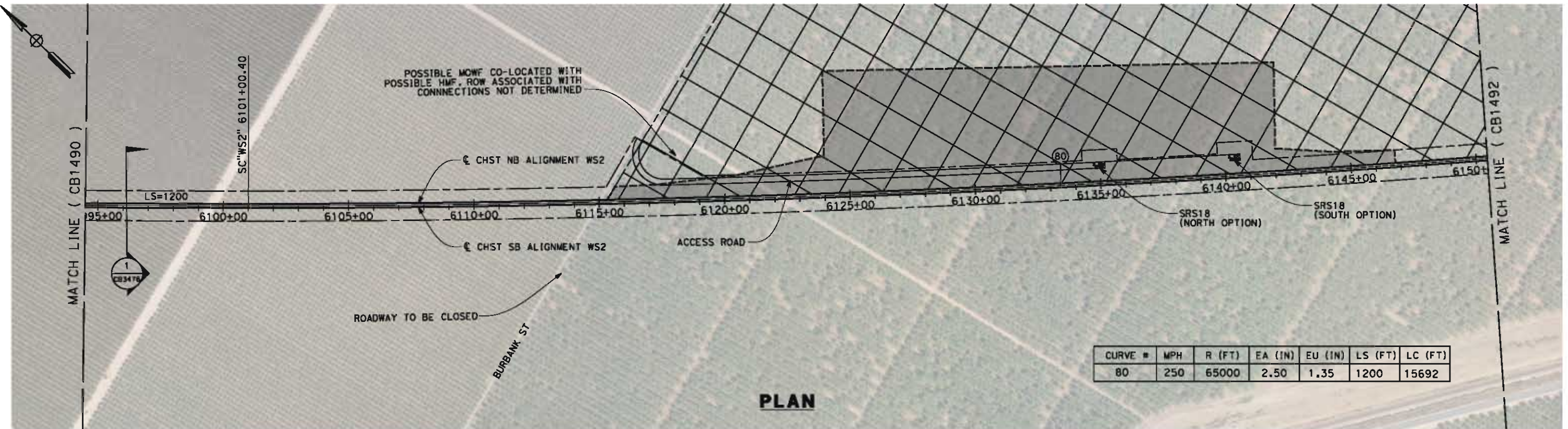
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CB1490

SCALE
AS SHOWN

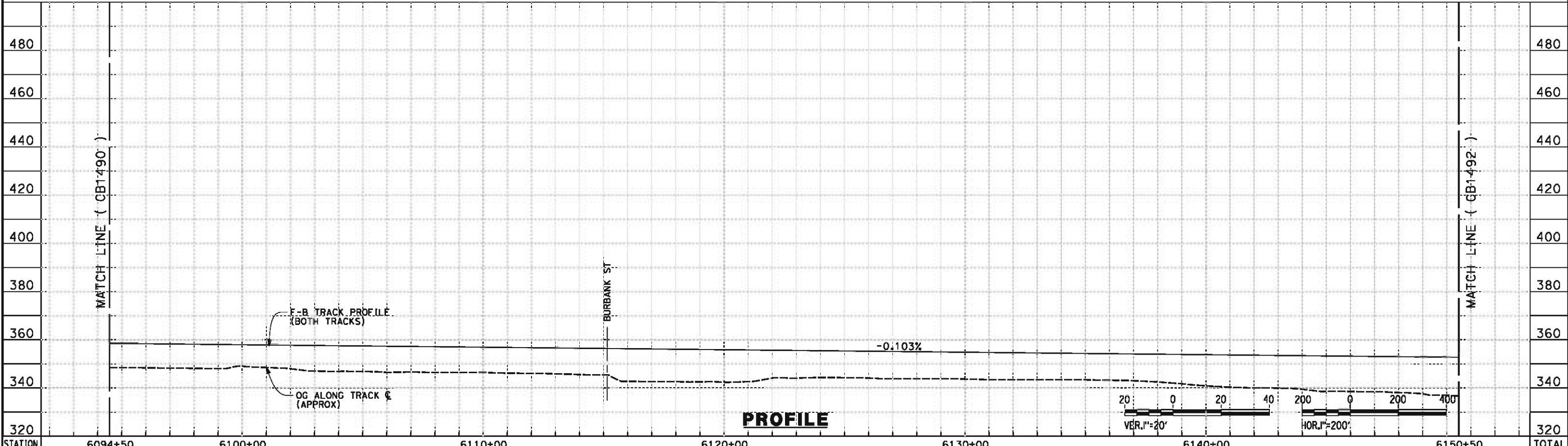
SHEET NO.
8 OF 19

REV	DATE	BY	CHK	APP	DESCRIPTION

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PLAN



PROFILE

STATION	6094+50	6100+00	6110+00	6120+00	6130+00	6140+00	6150+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

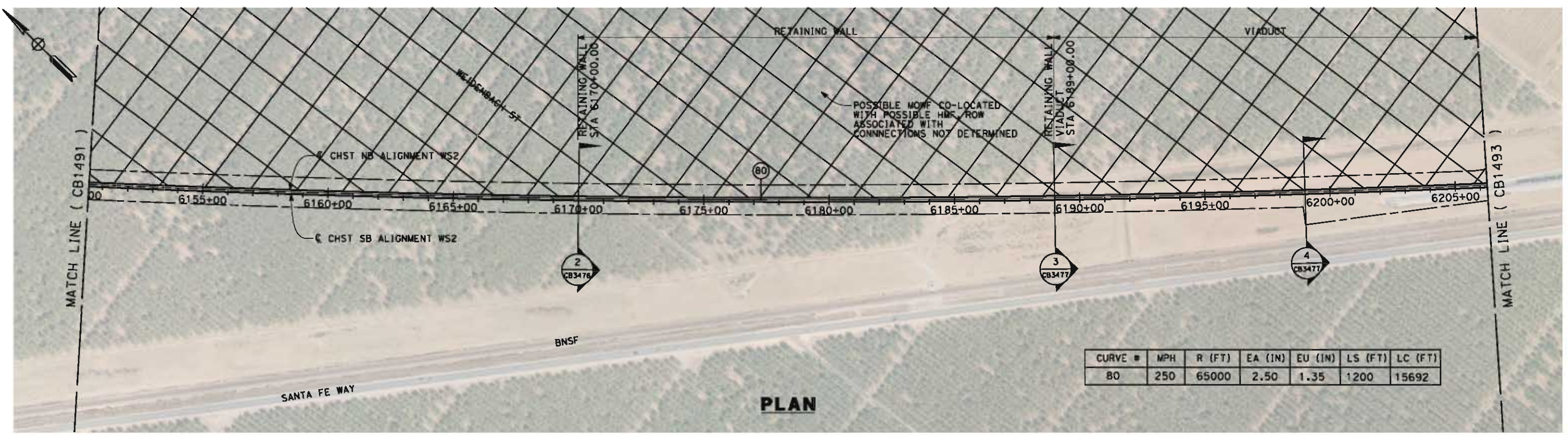
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6094+50 TO 6150+50
PLAN AND PROFILE

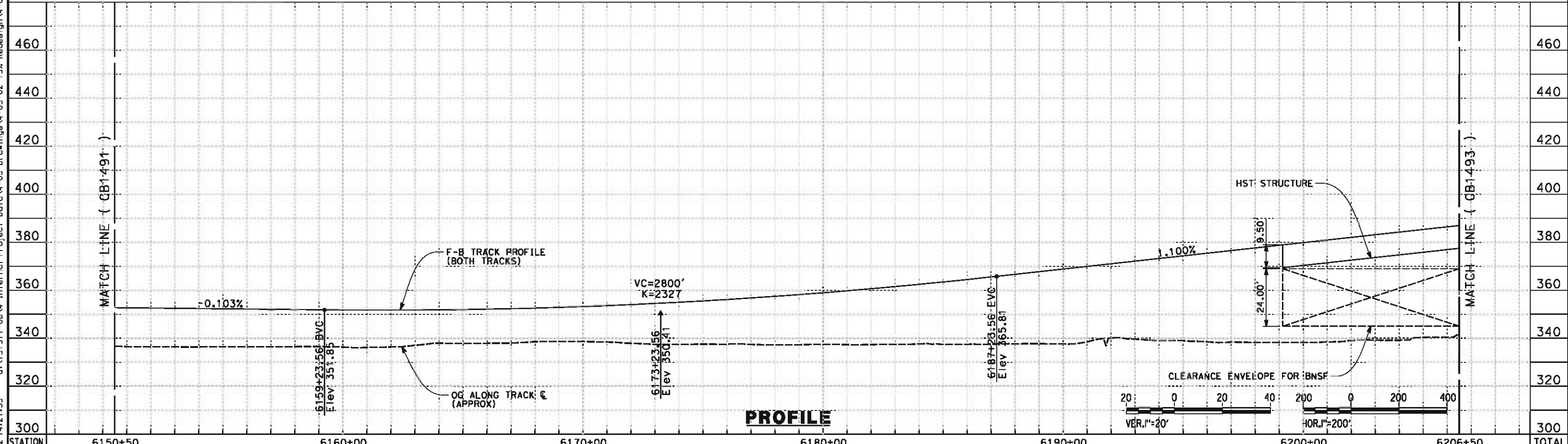
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1491
SCALE
AS SHOWN
SHEET NO.
9 OF 19

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
80	250	65000	2.50	1.35	1200	15692

PLAN



PROFILE

STATION	6150+50	6160+00	6170+00	6180+00	6190+00	6200+00	6206+50	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

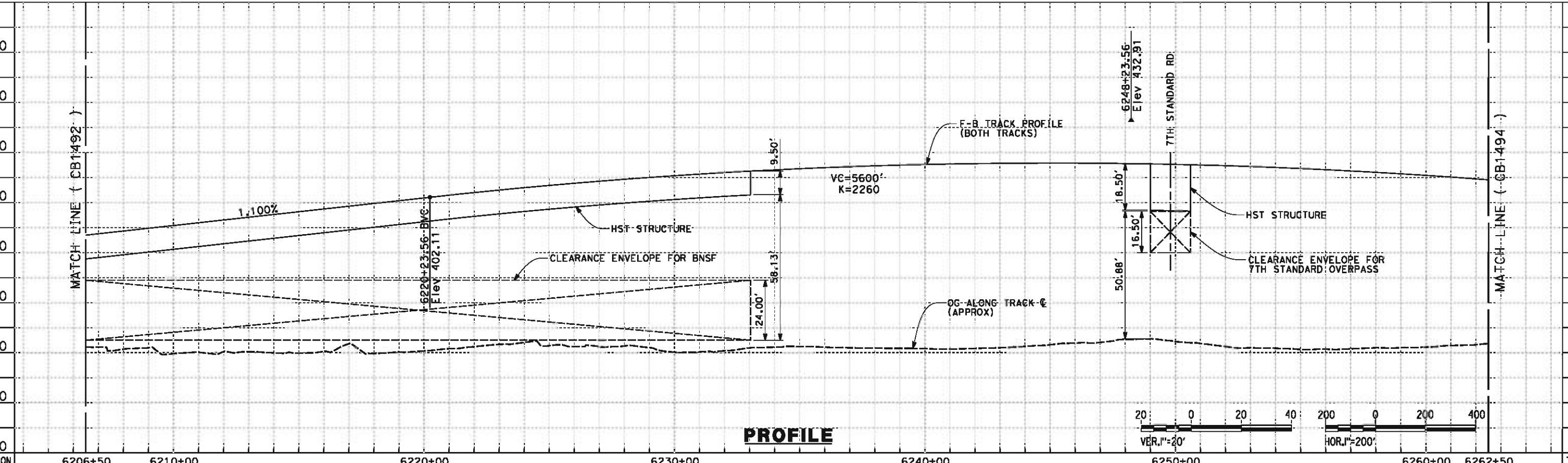
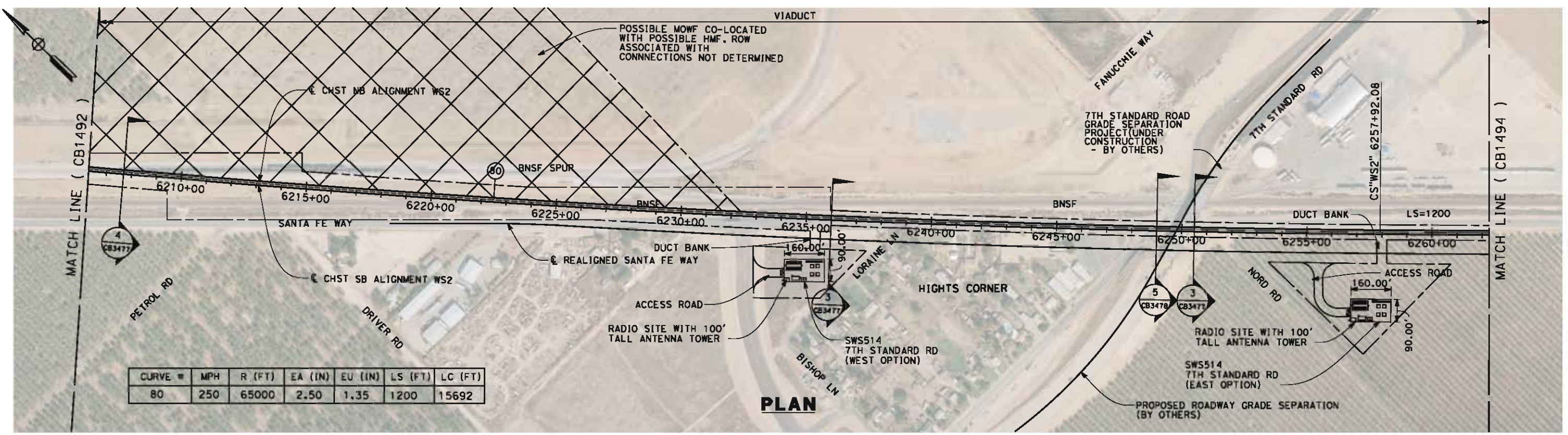
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6150+50 TO 6206+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1492
SCALE
AS SHOWN
SHEET NO.
10 OF 19

05/11/2012 14:21:43 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\WS2\FB-CB-1493-WS2.dgn



STATION	6206+50	6210+00	6220+00	6230+00	6240+00	6250+00	6260+00	6262+50	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

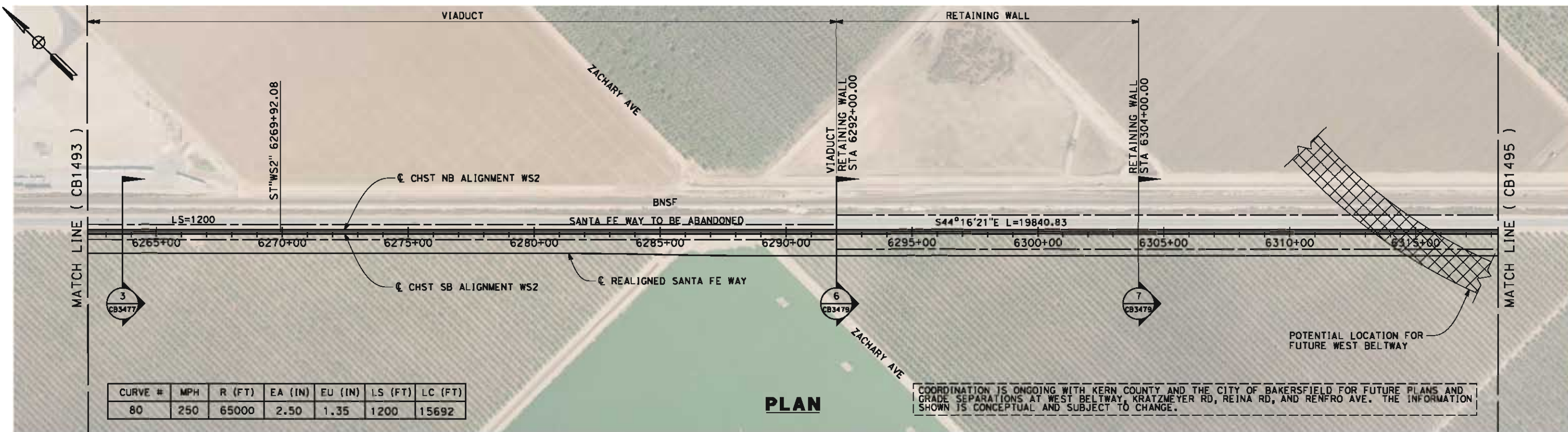


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6206+50 TO 6262+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1493
SCALE
AS SHOWN
SHEET NO.
11 OF 19

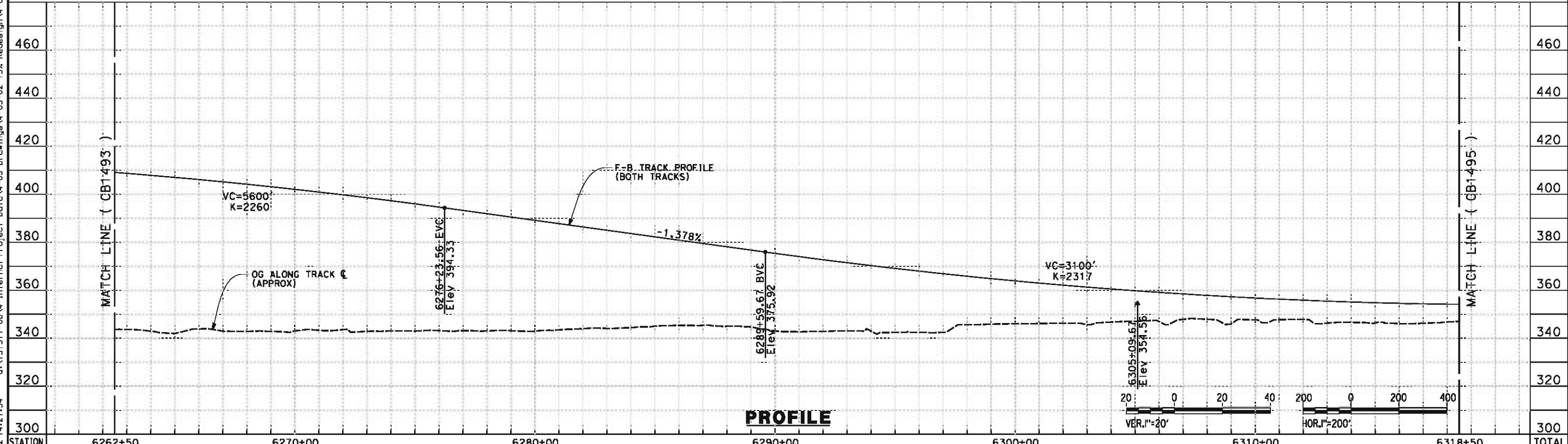
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
80	250	65000	2.50	1.35	1200	15692

PLAN

COORDINATION IS ONGOING WITH KERN COUNTY AND THE CITY OF BAKERSFIELD FOR FUTURE PLANS AND GRADE SEPARATIONS AT WEST BELTWAY, KRATZMEYER RD, REINA RD, AND RENFRO AVE. THE INFORMATION SHOWN IS CONCEPTUAL AND SUBJECT TO CHANGE.



PROFILE

STATION	6262+50	6270+00	6280+00	6290+00	6300+00	6310+00	6318+50	TOTAL
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

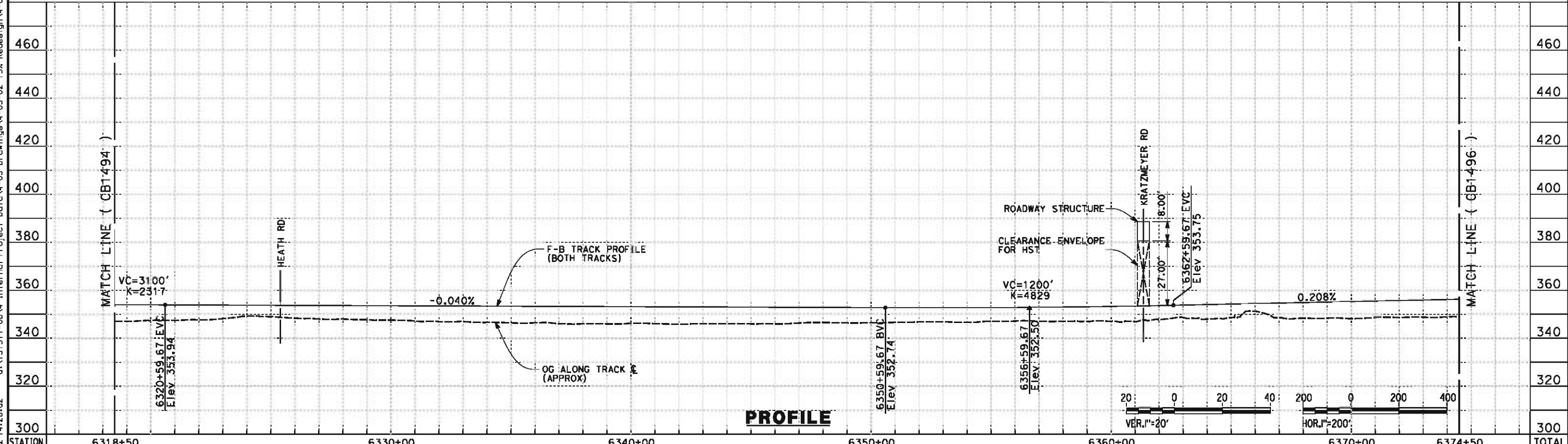
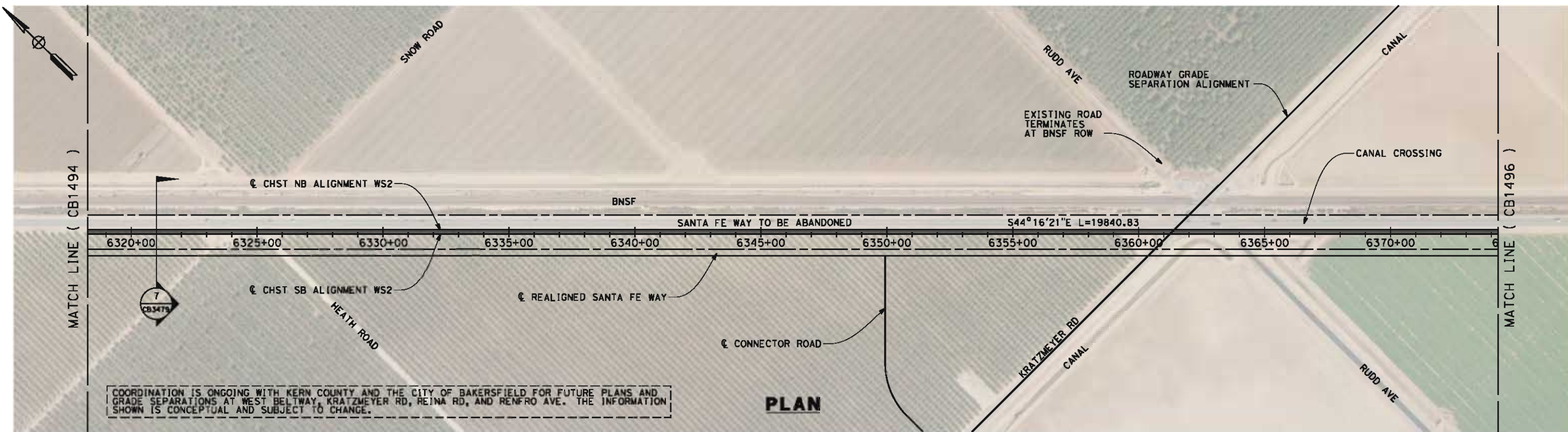
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6262+50 TO 6318+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1494
SCALE
AS SHOWN
SHEET NO.
12 OF 19

05/11/2012 14:28:02 O:\131577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS2\FB-CB-1495-WS2.dgn



STATION	6318+50	6330+00	6340+00	6350+00	6360+00	6370+00	6374+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
DRAWN BY
A. DEAN
CHECKED BY
J. LIPSCOMB
IN CHARGE
R. COFFIN
DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

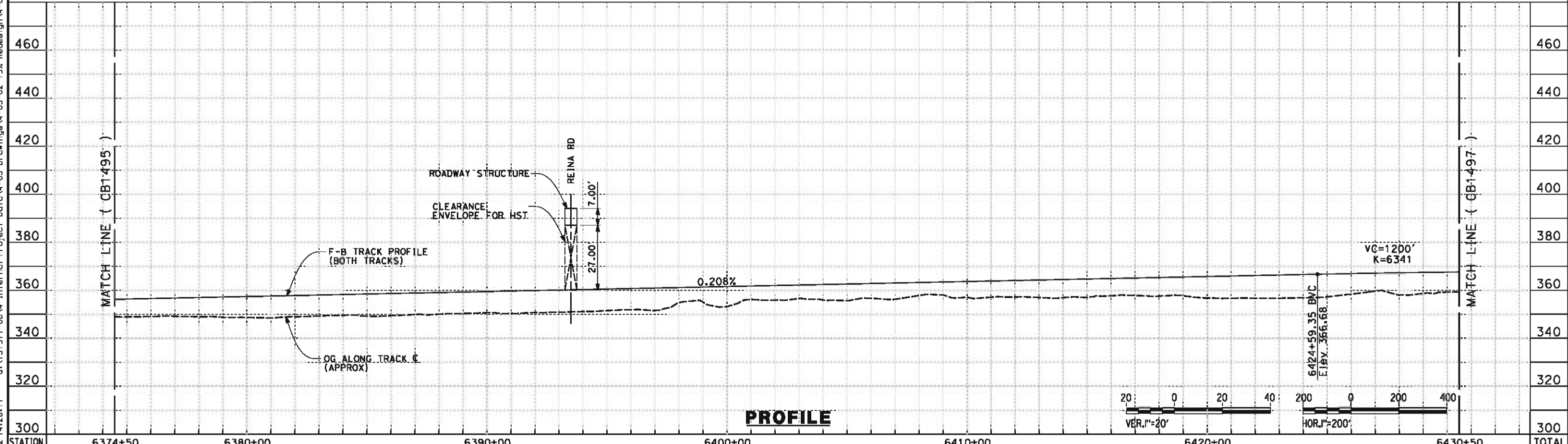
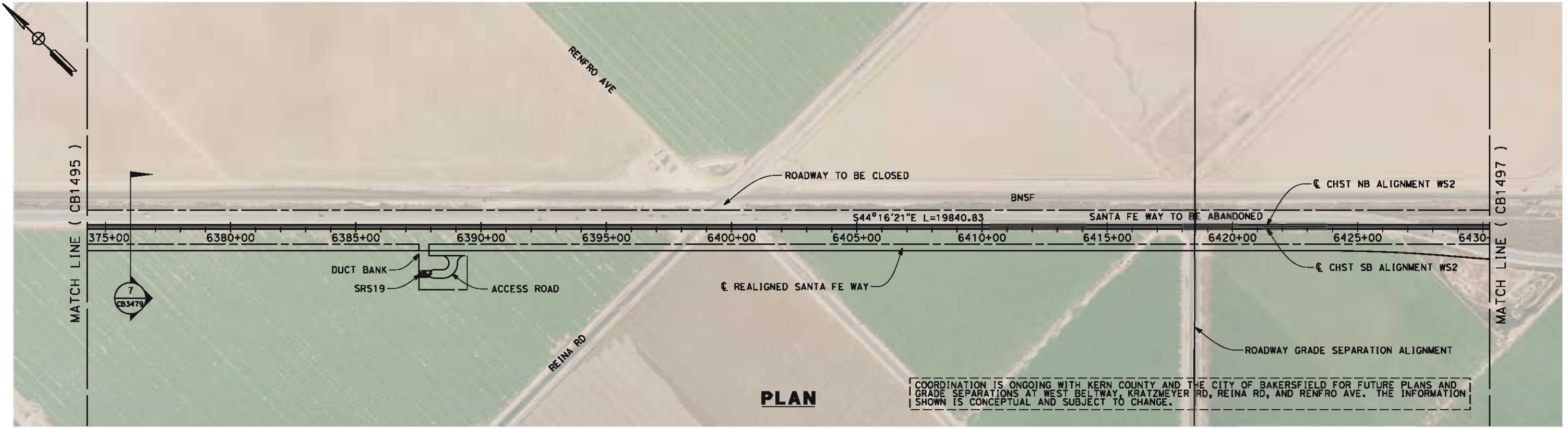
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6318+50 TO 6374+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1495
SCALE
AS SHOWN
SHEET NO.
13 OF 19

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STATION	6374+50	6380+00	6390+00	6400+00	6410+00	6420+00	6430+50	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6374+50 TO 6430+50
PLAN AND PROFILE

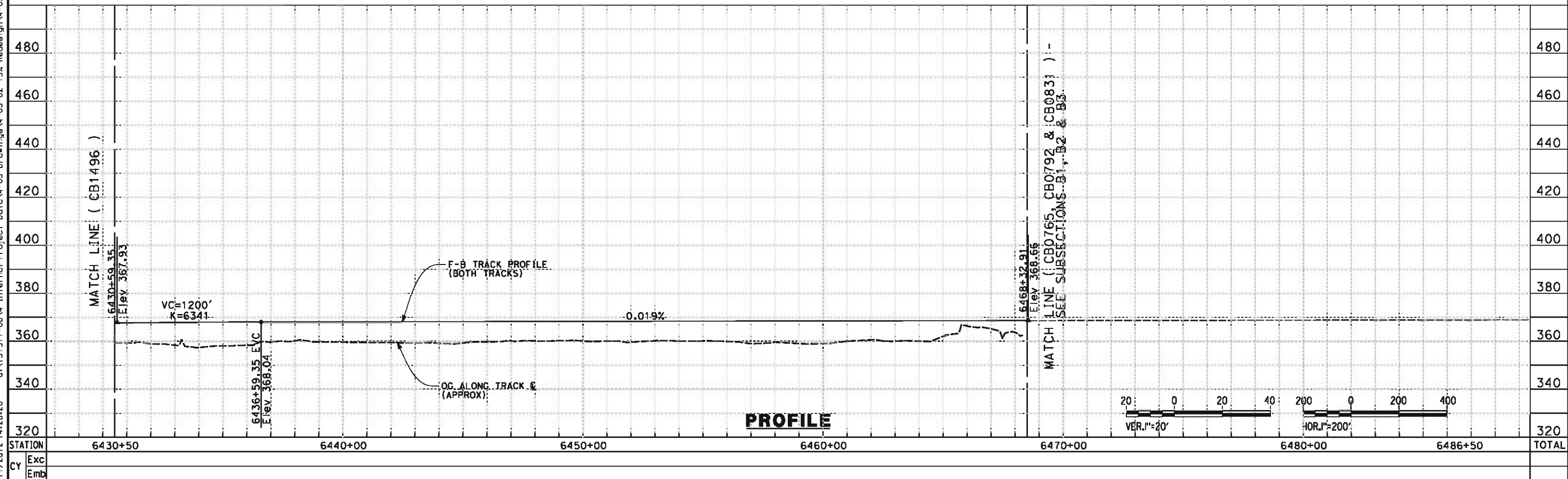
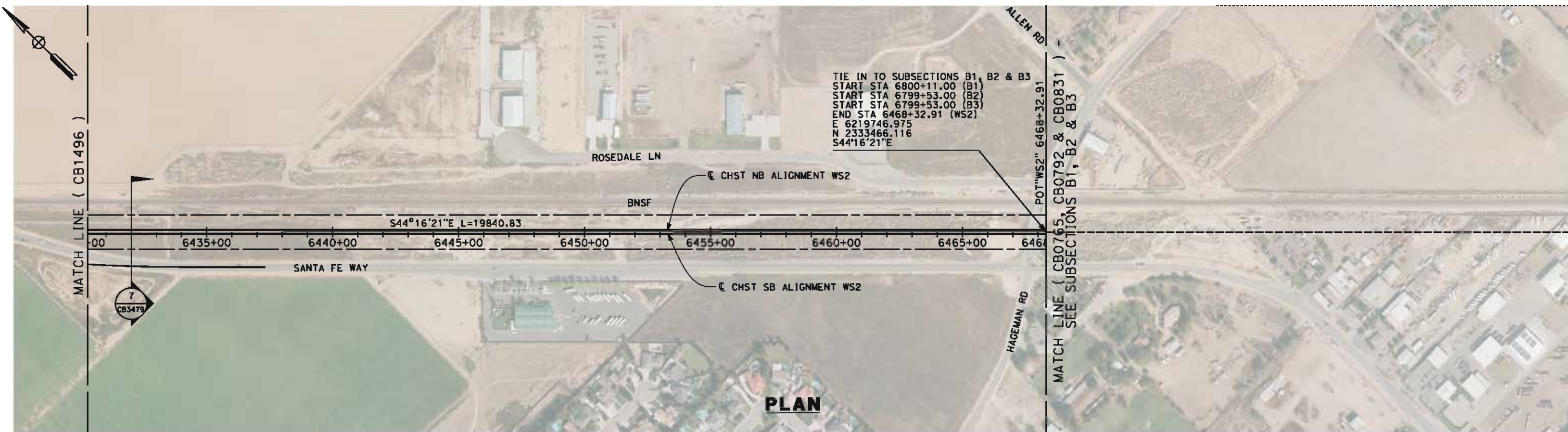
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1496

SCALE
AS SHOWN

SHEET NO.
14 OF 19

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 WASCO-SHAFTER BYPASS SUBSECTION
 ALIGNMENT WS2
 STA. 6430+50 TO 6468+32.91
 PLAN AND PROFILE

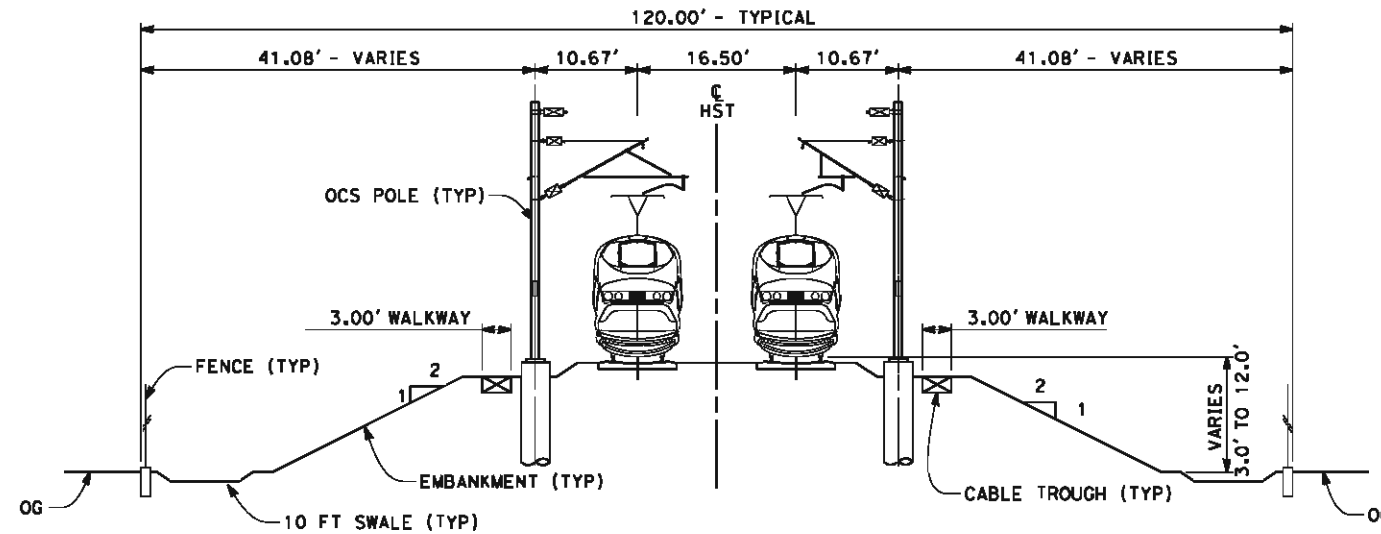
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1497

SCALE
AS SHOWN

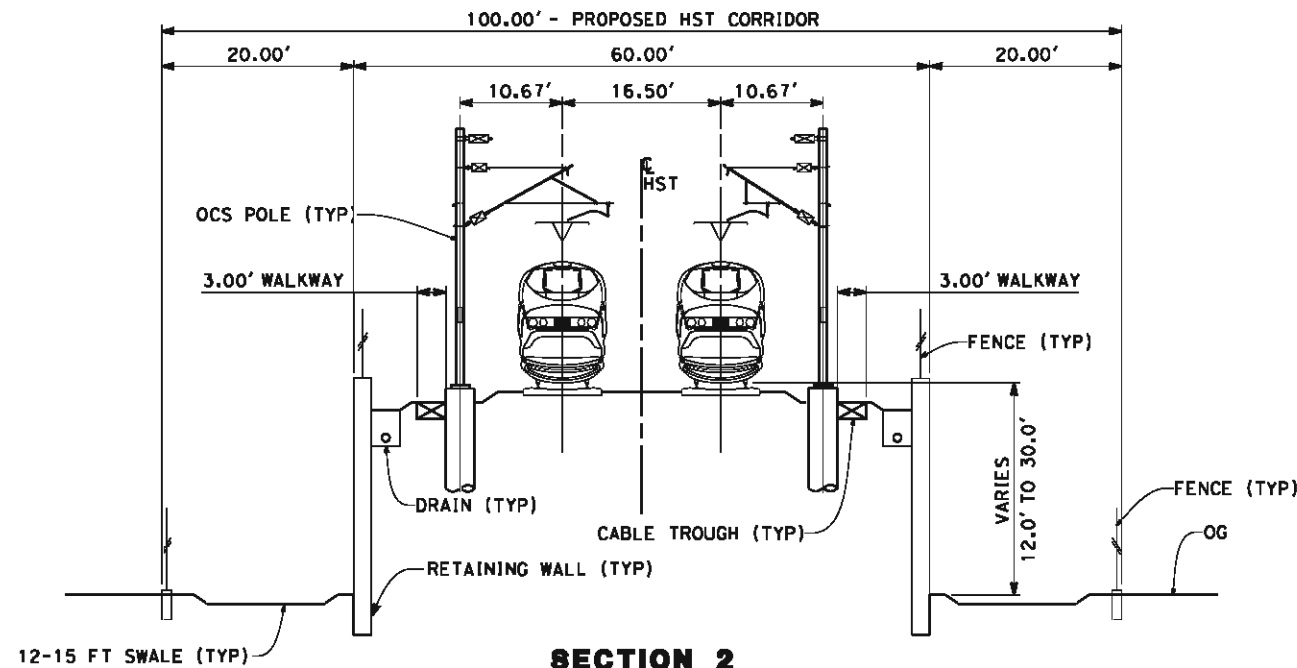
SHEET NO.
15 OF 19

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



SECTION 1

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 5703+34.00 THROUGH STA 6170+00



SECTION 2

TWIN TRACK - RETAINED EMBANKMENT
STA 6170+00 THROUGH STA 6189+00



05/11/2012 14:29:11 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS2\FB-CB-3476-WS2.dgn alcm-dean

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
CROSS SECTIONS

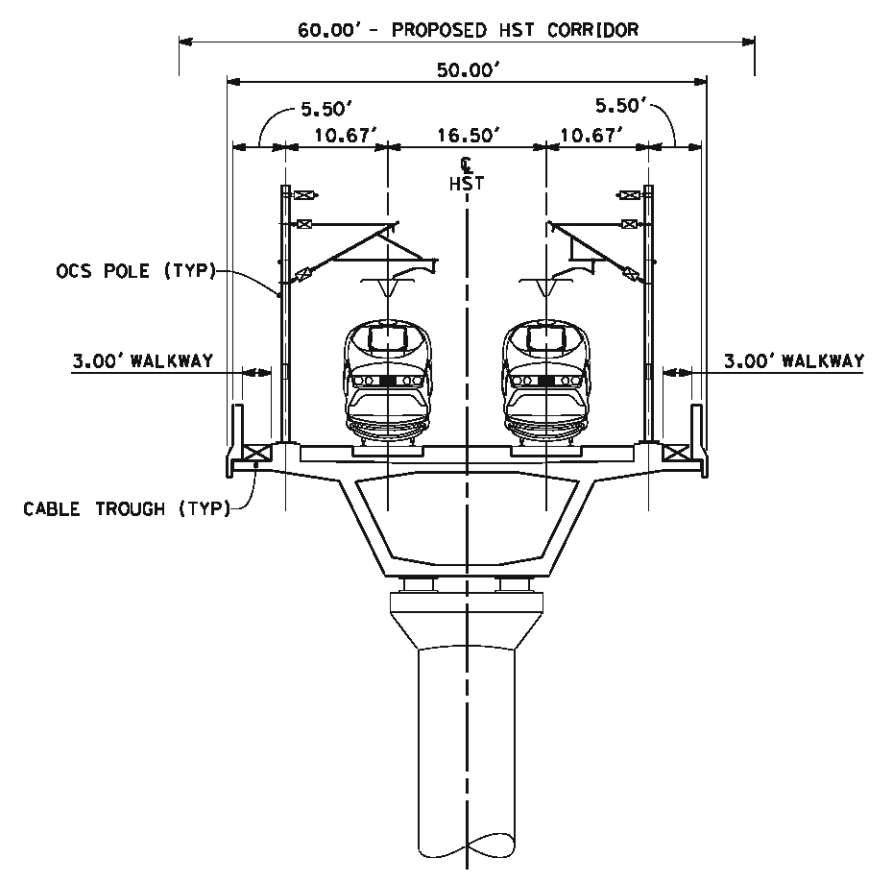
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3476

SCALE
AS SHOWN

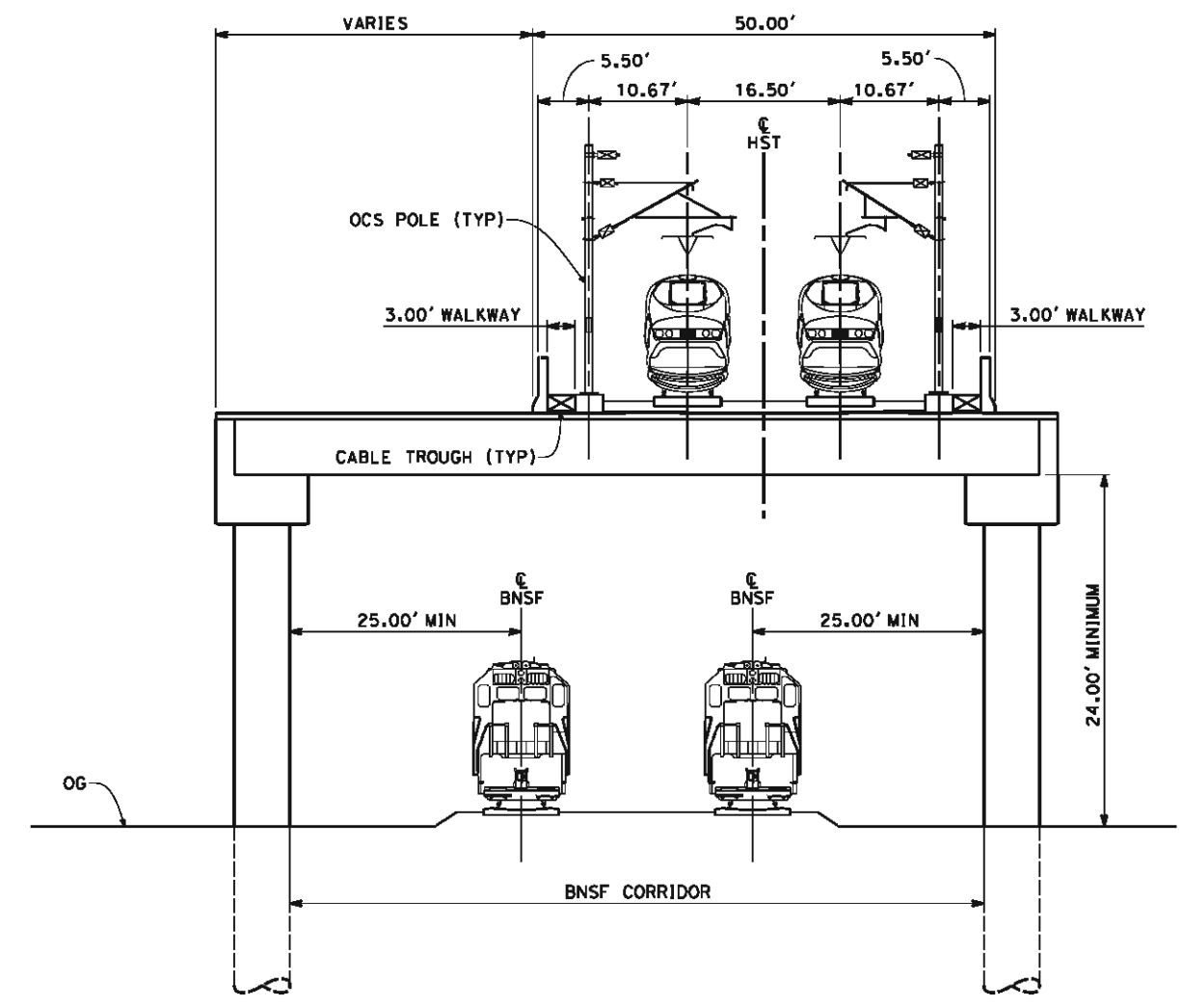
SHEET NO.
16 OF 19

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3

TWIN TRACK - AERIAL STRUCTURE
 STA 6189+00 THROUGH STA 6199+00
 STA 6236+00 THROUGH STA 6249+00
 STA 6250+50 THROUGH STA 6292+00



SECTION 4

TWIN TRACK - ELEVATED SLAB OVER BNSF
 STA 6199+00 THROUGH STA 6236+00



05/11/2012 14:29:16 O:\131577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\WS2\FB-CB-3477-WS2.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER
 DRAWN BY
A. DEAN
 CHECKED BY
J. LIPSCOMB
 IN CHARGE
R. COFFIN
 DATE
05/18/12

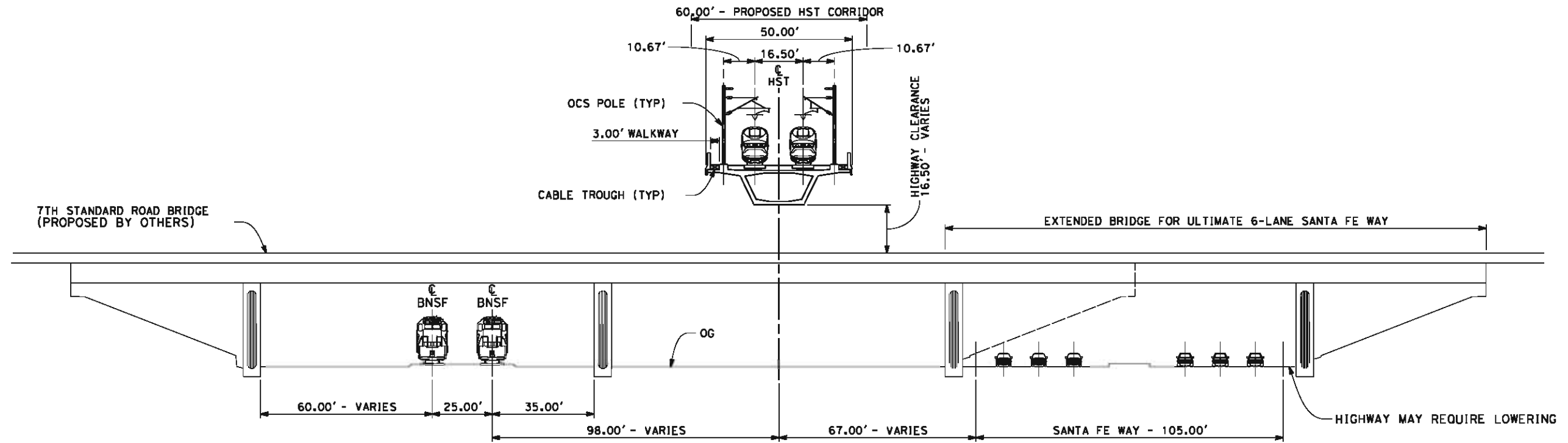
RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 WASCO-SHAFTER BYPASS SUBSECTION
 ALIGNMENT WS2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3477
 SCALE
AS SHOWN
 SHEET NO.
17 OF 19

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



SECTION 5

TWIN TRACK ADJACENT TO BNSF - AERIAL STRUCTURE AT 7TH STANDARD ROAD
STA 6249+00 THROUGH STA 6250+50



05/11/2012 14:29:22 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\Rail\WS2\FB-CB-3478-WS2.dgn alcm-dean

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

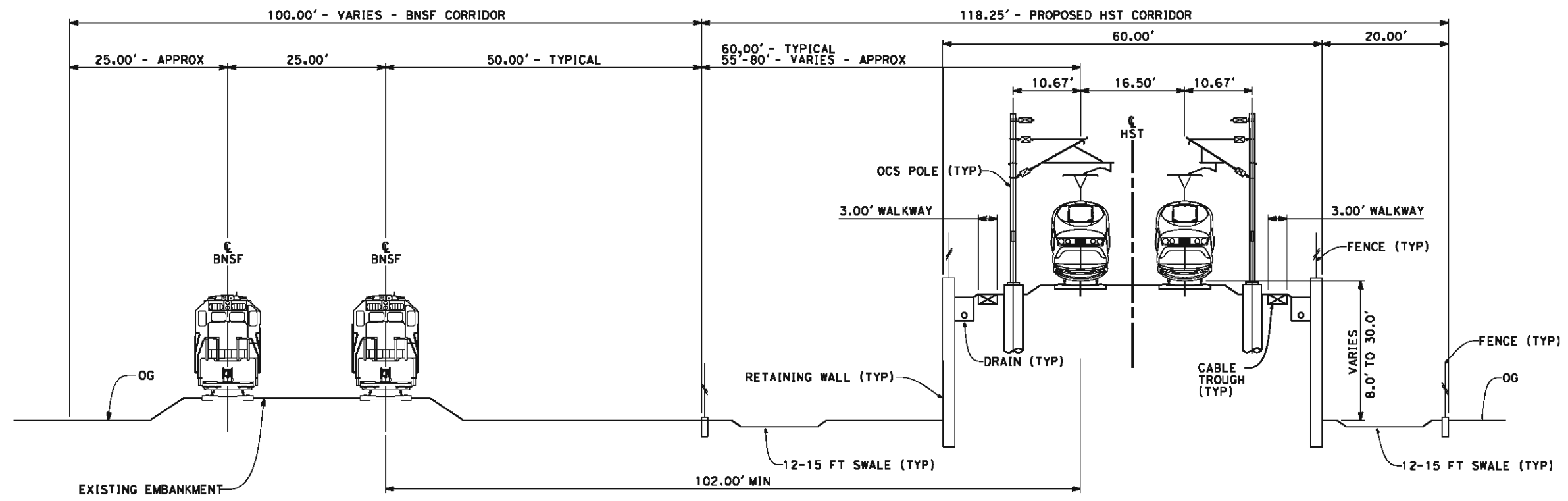
DRAWING NO.
CB3478

SCALE
AS SHOWN

SHEET NO.
18 OF 19

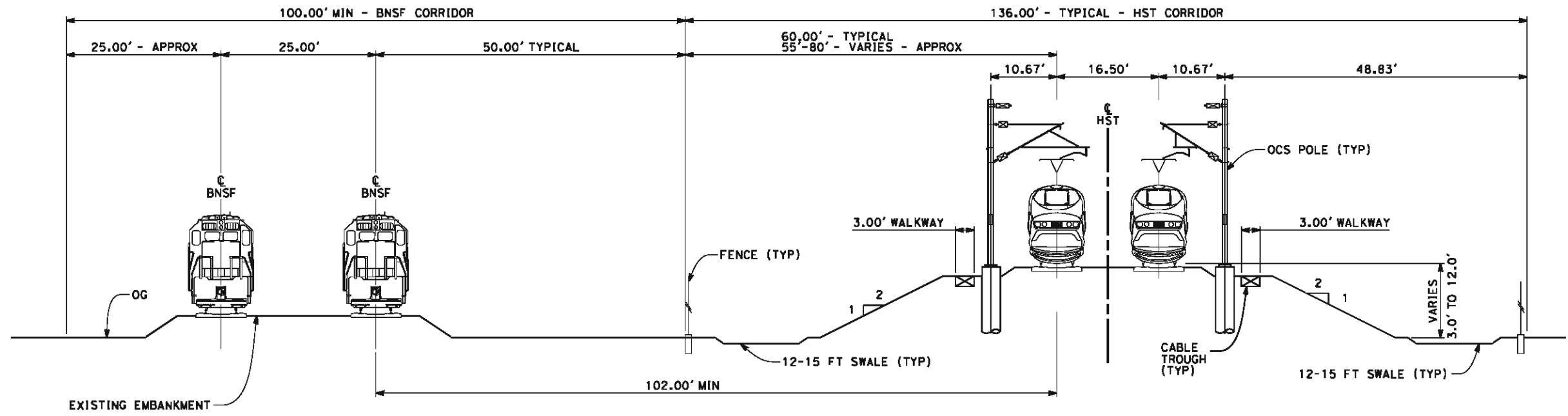
05/11/2012 14:29:27 a/cn-dean 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\WS2\FB-CB-3479-WS2.dgn

- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 6

TWIN TRACK ADJACENT TO BNSF - RETAINED EMBANKMENT WITH SANTA FE WAY REALIGNMENT
STA 6292+00 THROUGH STA 6304+00



SECTION 7

TWIN TRACK ADJACENT TO BNSF - AT GRADE WITH SANTA FE REALIGNMENT
STA 6304+00 THROUGH STA 6468+32.91



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
I. WALKER

DRAWN BY
A. DEAN

CHECKED BY
J. LIPSCOMB

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT

FRESNO TO BAKERSFIELD

WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
CROSS SECTIONS

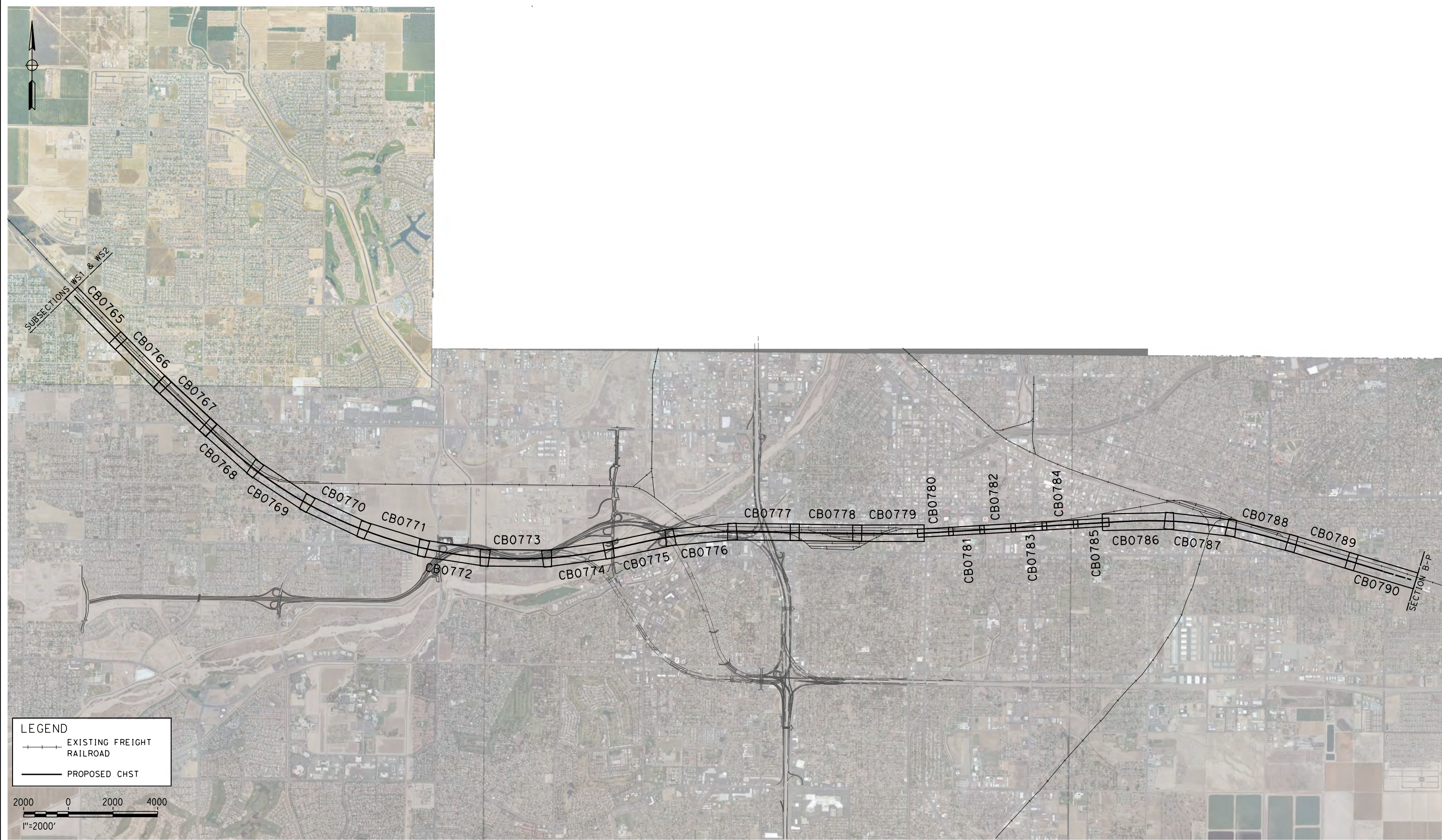
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3479

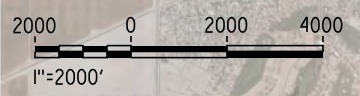
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SHEET NO.
19 OF 19

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LEGEND
 - - - - - EXISTING FREIGHT RAILROAD
 ———— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J.LIPSCOMB
 DRAWN BY
D.WOLLISTON
 CHECKED BY
L.TRUJILLO
 IN CHARGE
R.COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

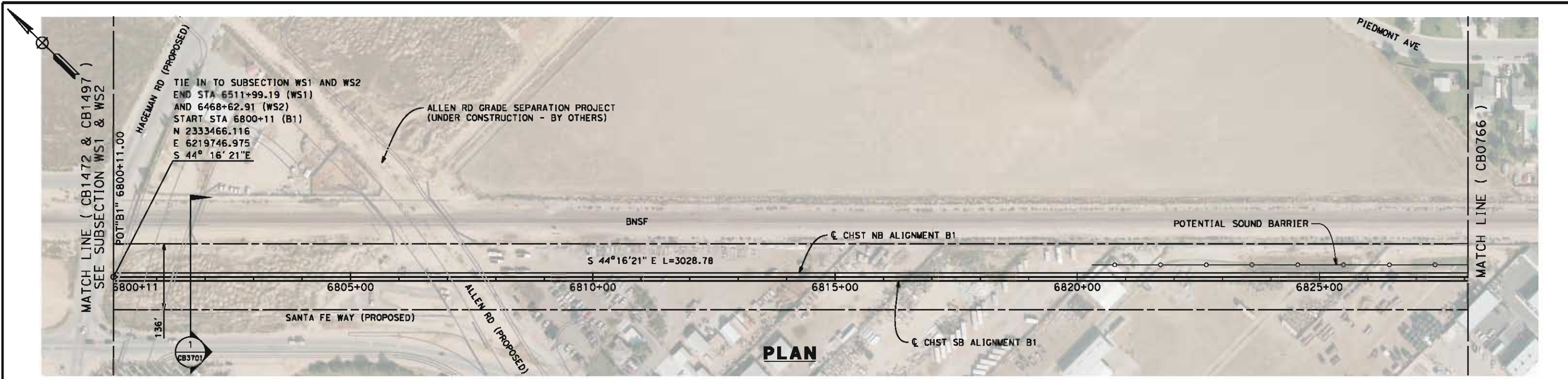
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 STA. 6800+11 TO 7431+00
 KEY MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0764
 SCALE
AS SHOWN
 SHEET NO.
1 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

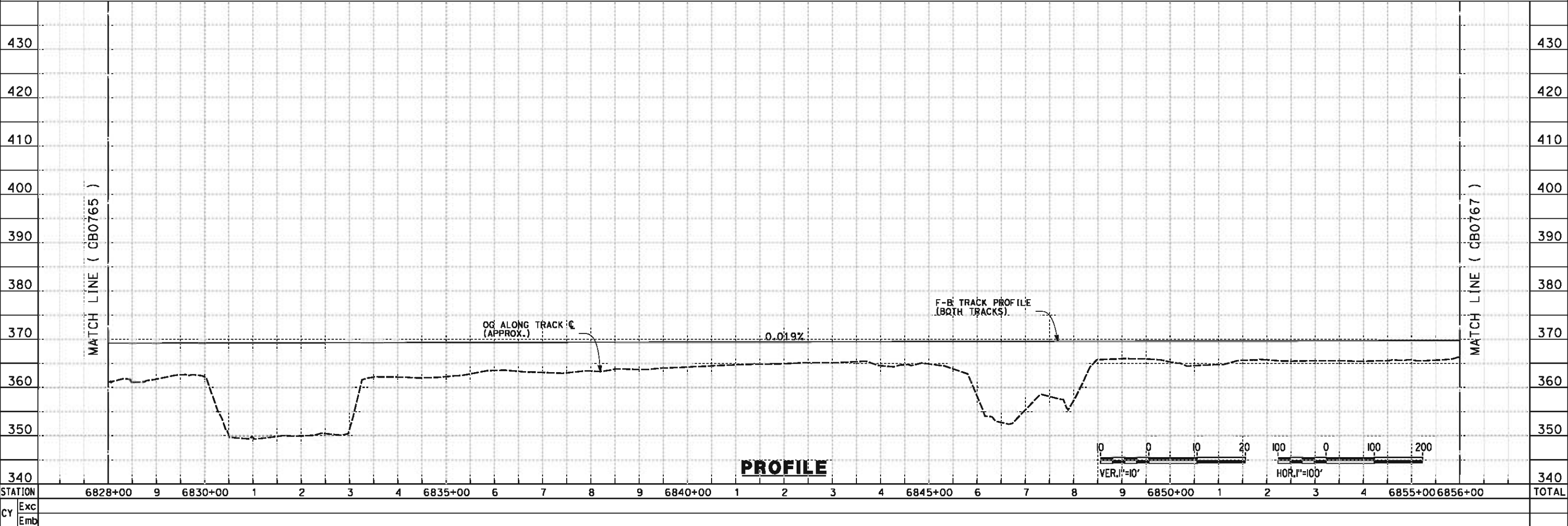
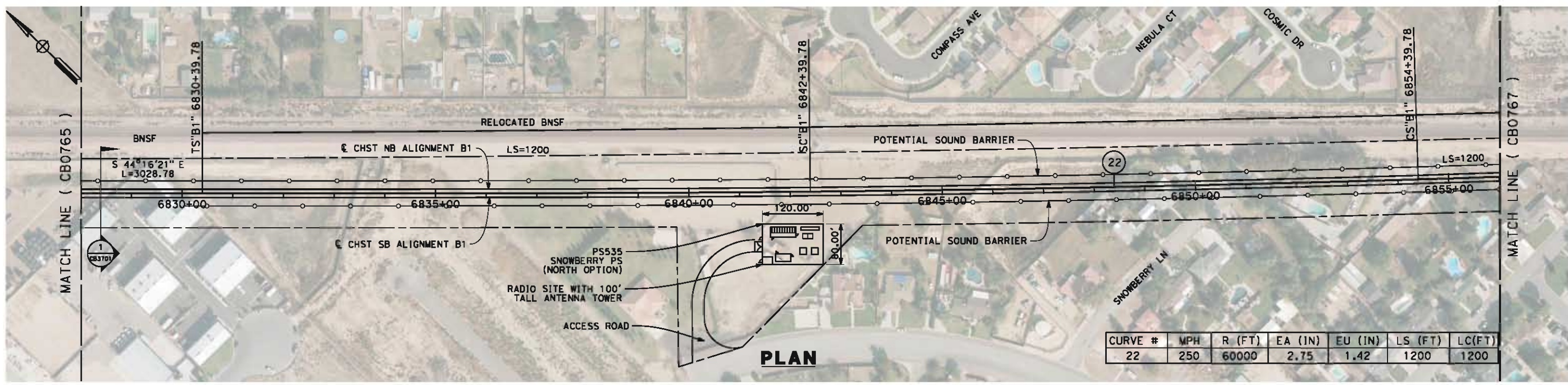
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6800+11 TO 6828+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0765
SCALE
AS SHOWN
SHEET NO.
2 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB

DRAWN BY
D. WOLLISTON

CHECKED BY
L. TRUJILLO

IN CHARGE
R. COFFIN

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 STA. 6828+00 TO 6856+00
 PLAN AND PROFILE

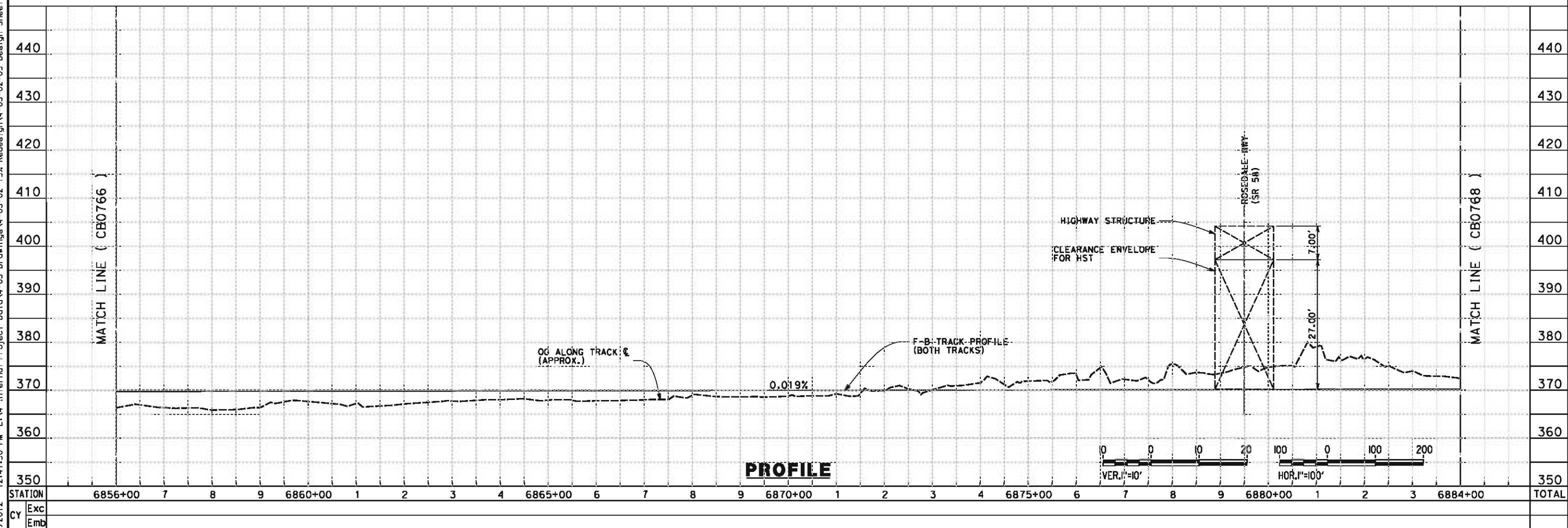
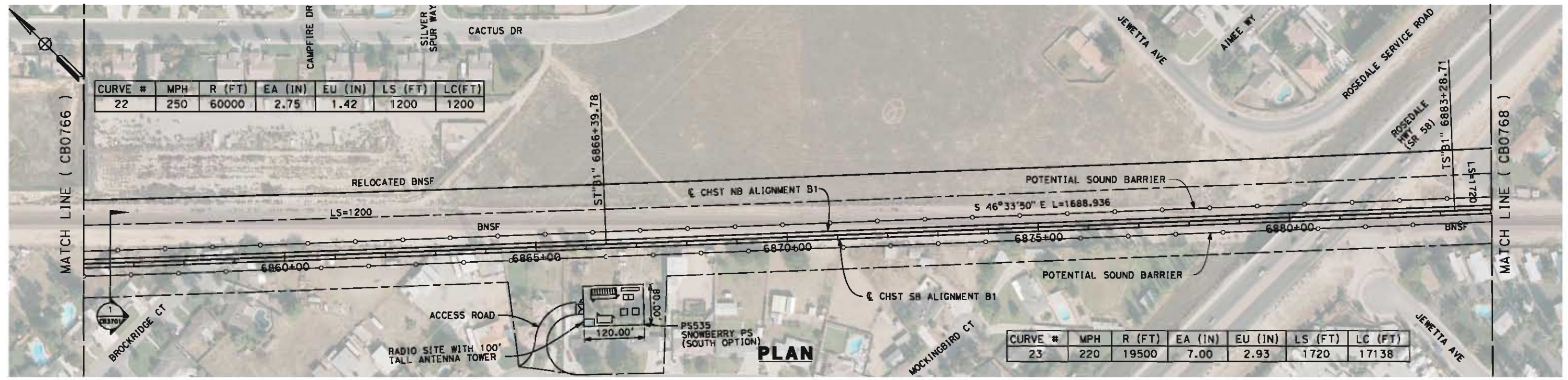
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HSR 06-0003

DRAWING NO.
CB0766

SCALE
AS SHOWN

SHEET NO.
3 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J.LIPSCOMB
DRAWN BY
D.WOLLISTON
CHECKED BY
L.TRUJILLO
IN CHARGE
R.COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

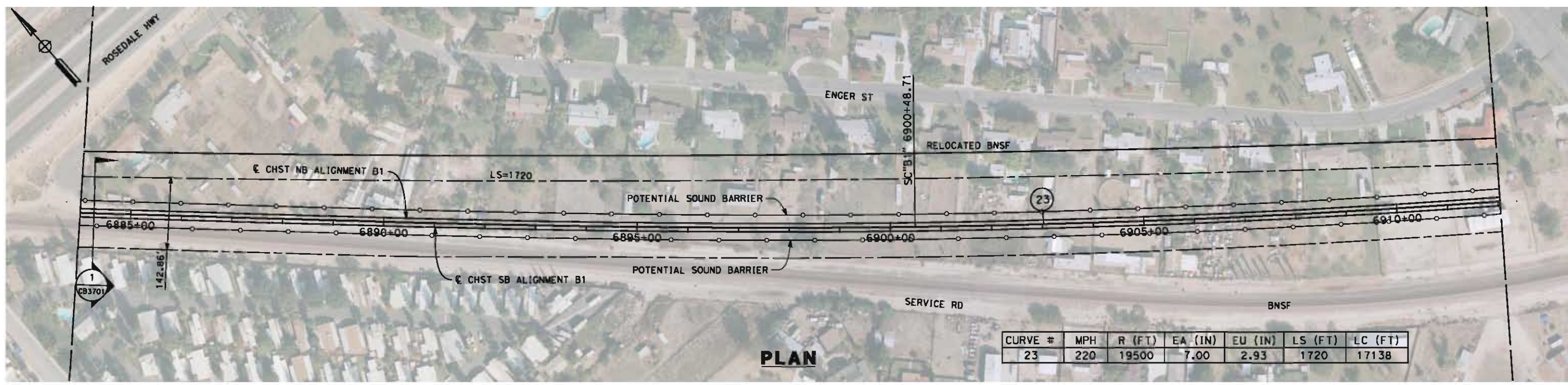
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CONSTRUCTION**



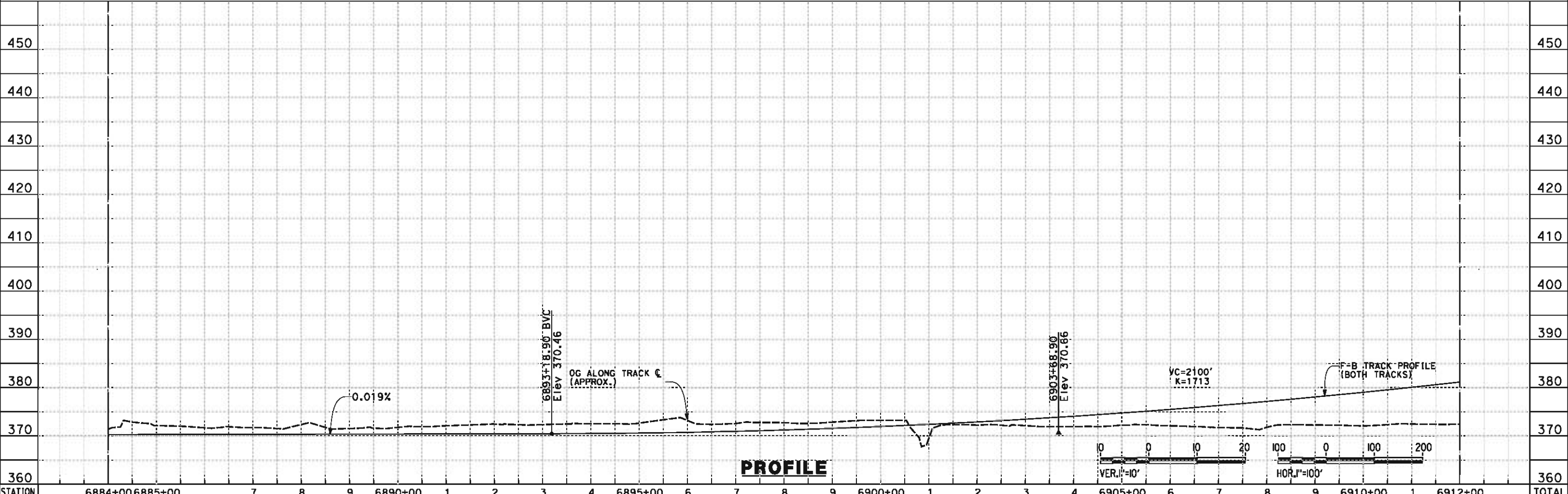
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FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6856+00 TO 6884+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0767
SCALE
AS SHOWN
SHEET NO.
4 OF 36

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
23	220	19500	7.00	2.93	1720	17138



STATION	6884+00	6885+00	7	8	9	6890+00	1	2	3	4	6895+00	6	7	8	9	6900+00	1	2	3	4	6905+00	6	7	8	9	6910+00	1	6912+00	TOTAL
Exc																													
Emb																													

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

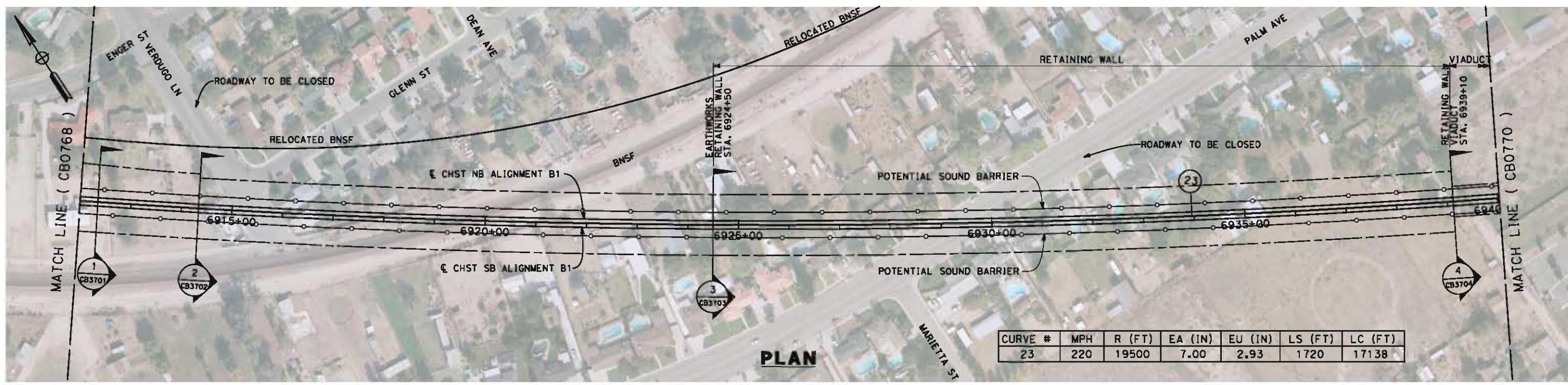


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6884+00 TO 6912+00
PLAN AND PROFILE

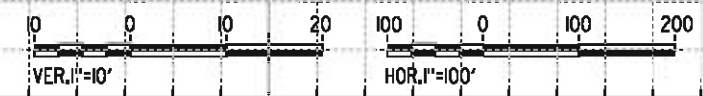
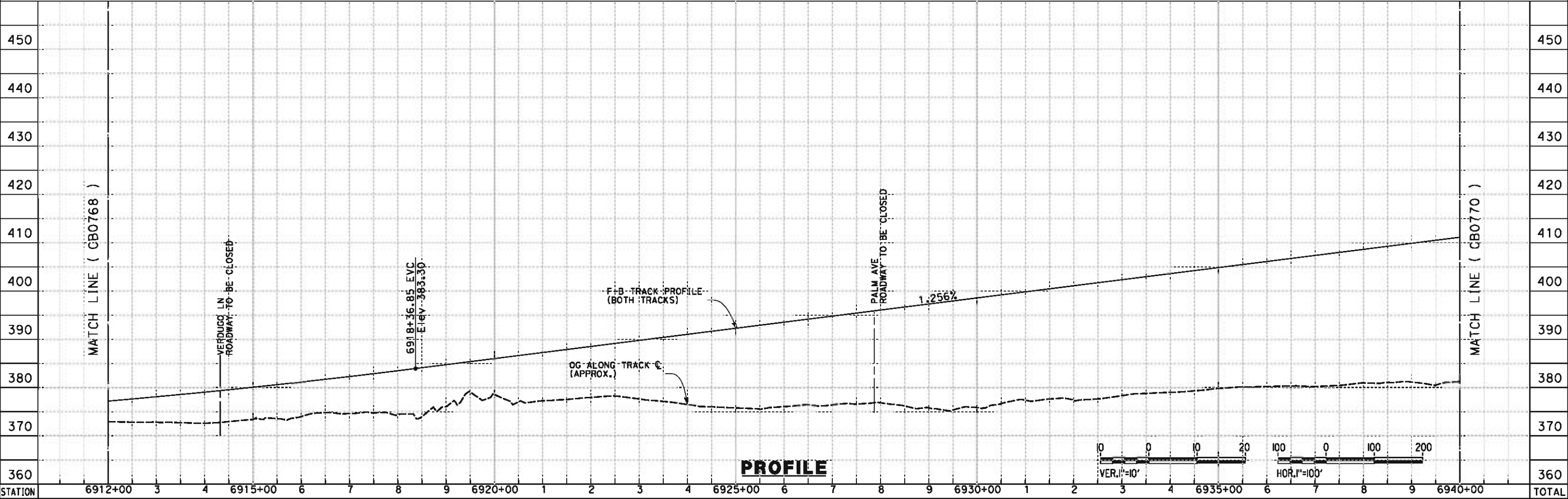
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0768
SCALE
AS SHOWN
SHEET NO.
5 OF 36

REV	DATE	BY	CHK	APP	DESCRIPTION

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
23	220	19500	7.00	2.93	1720	17138



STATION	6912+00	3	4	6915+00	6	7	8	9	6920+00	1	2	3	4	6925+00	6	7	8	9	6930+00	1	2	3	4	6935+00	6	7	8	9	6940+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

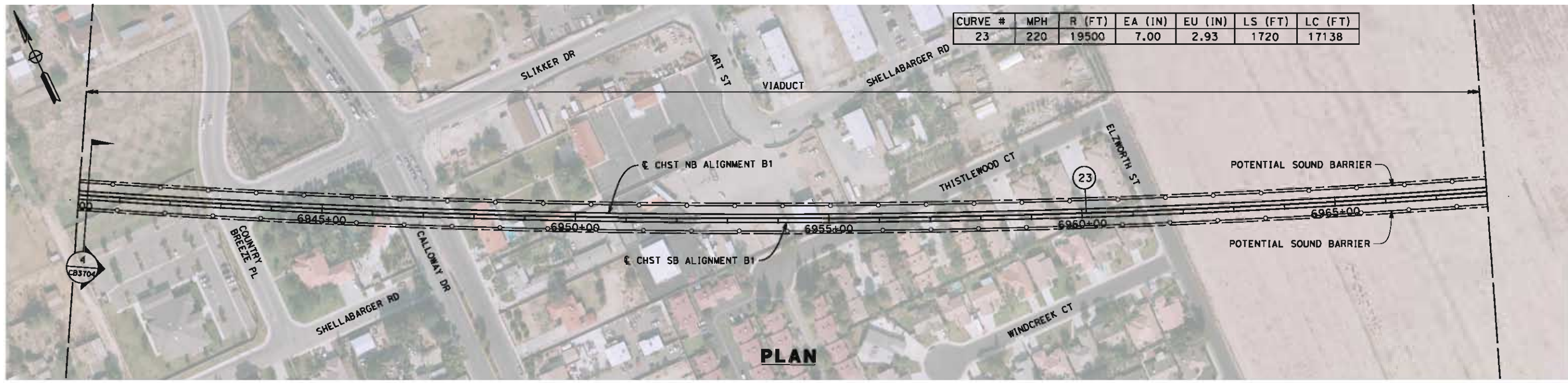
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6912+00 TO 6940+00
PLAN AND PROFILE

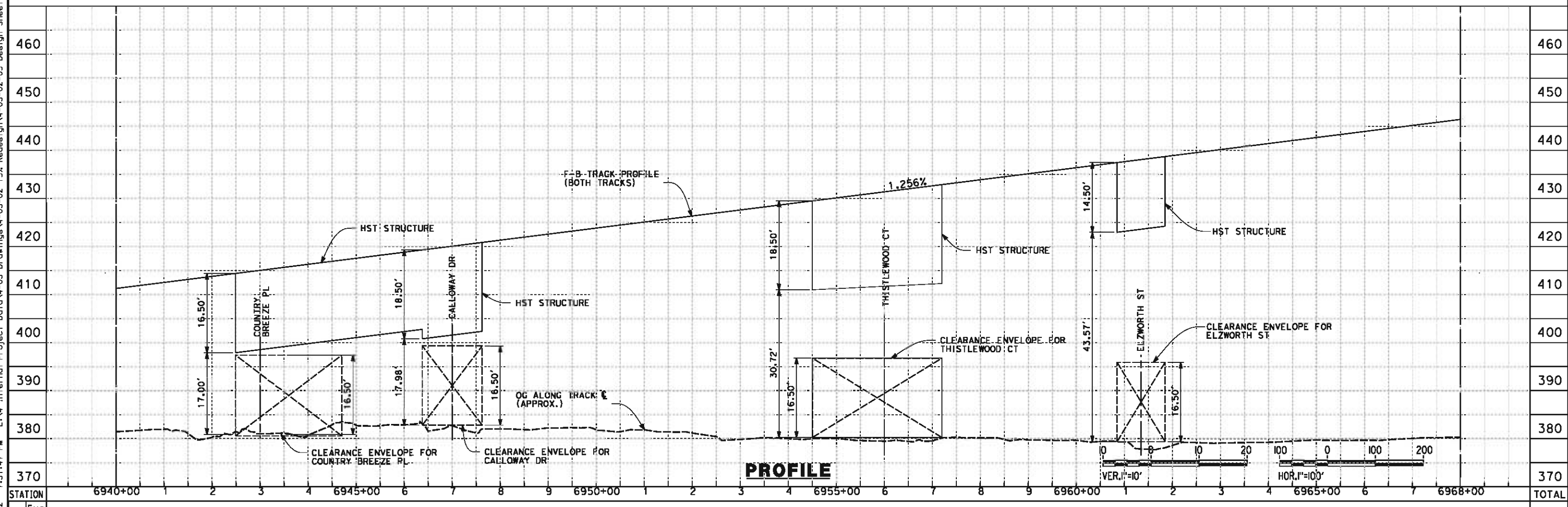
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0769
SCALE
AS SHOWN
SHEET NO.
6 OF 36



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
23	220	19500	7.00	2.93	1720	17138

PLAN

6/5/2012 7:31:47 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0770-B1.dgn paul.tankin



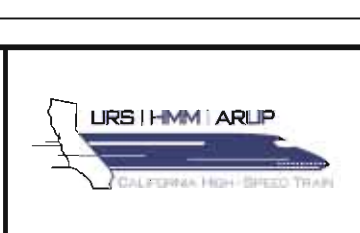
PROFILE

STATION	6940+00	1	2	3	4	6945+00	6	7	8	9	6950+00	1	2	3	4	6955+00	6	7	8	9	6960+00	1	2	3	4	6965+00	6	7	6968+00	TOTAL
CY																														
Exc																														
Emb																														

DESIGNED BY	J. LIPSCOMB
DRAWN BY	D. WOLLISTON
CHECKED BY	L. TRUJILLO
IN CHARGE	R. COFFIN
DATE	06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

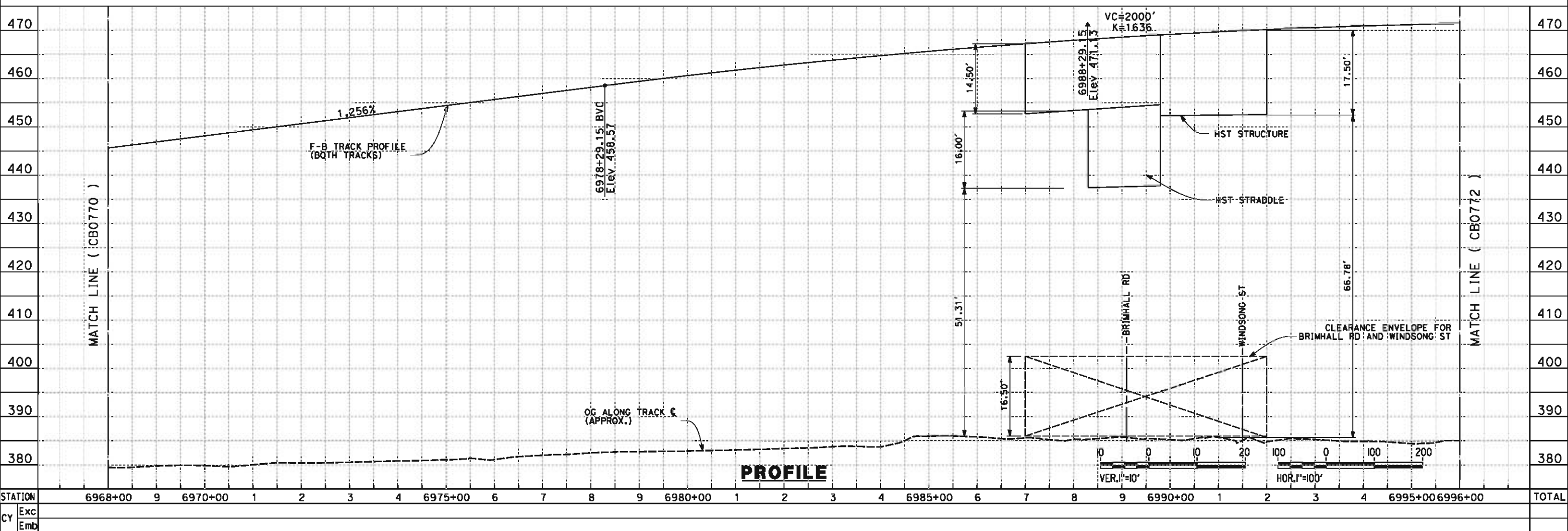
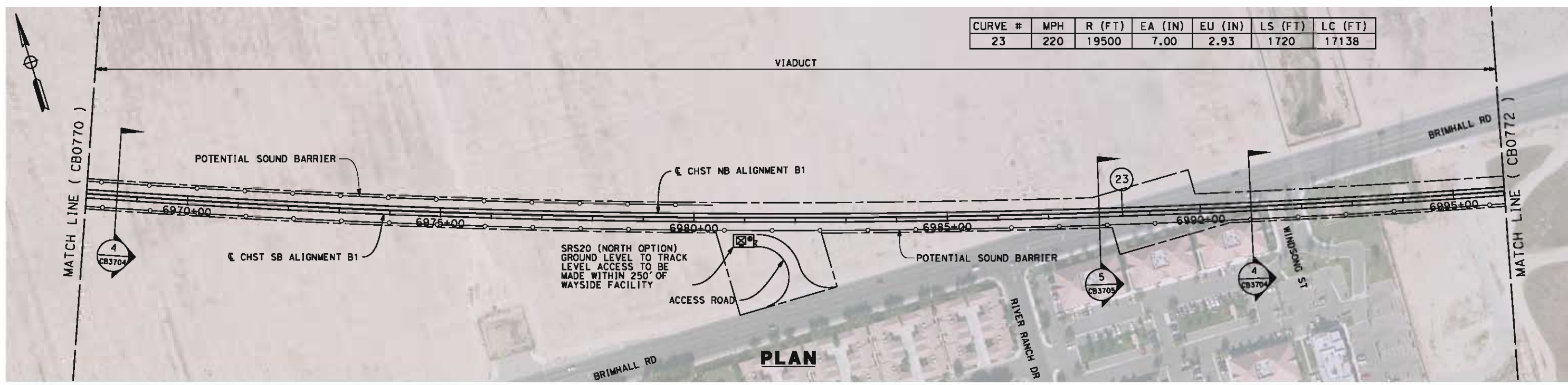
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 STA. 6940+00 TO 6968+00
 PLAN AND PROFILE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB0770
SCALE	AS SHOWN
SHEET NO.	7 OF 36

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STATION	Exc	Emb
6968+00		
6970+00		
6975+00		
6980+00		
6985+00		
6990+00		
6995+00		
6996+00		
TOTAL		

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

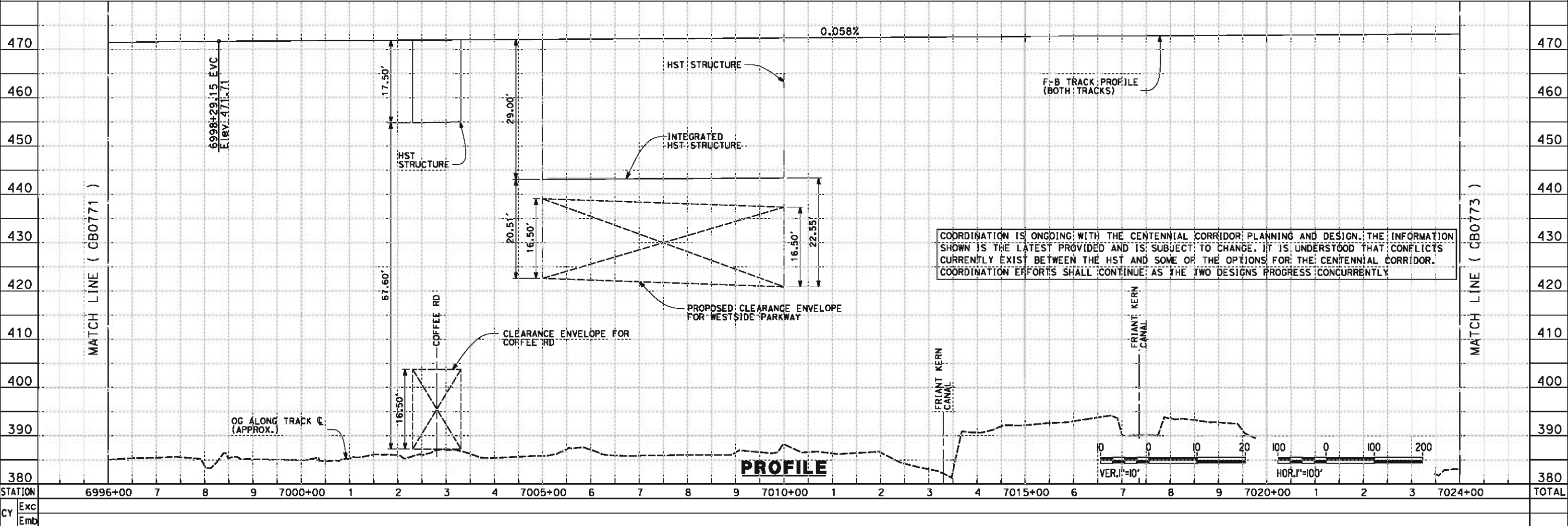
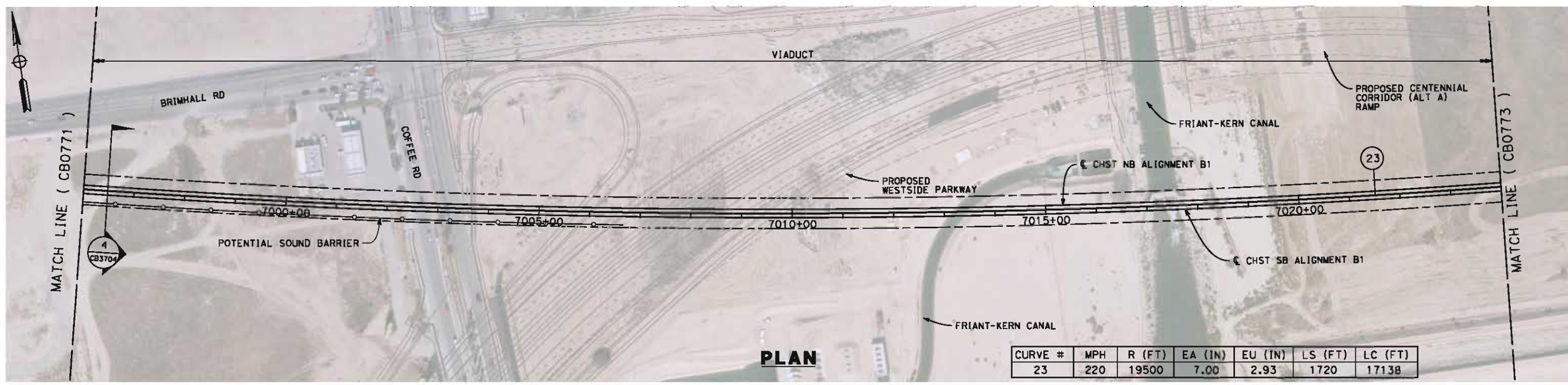
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0771
SCALE
AS SHOWN
SHEET NO.
8 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

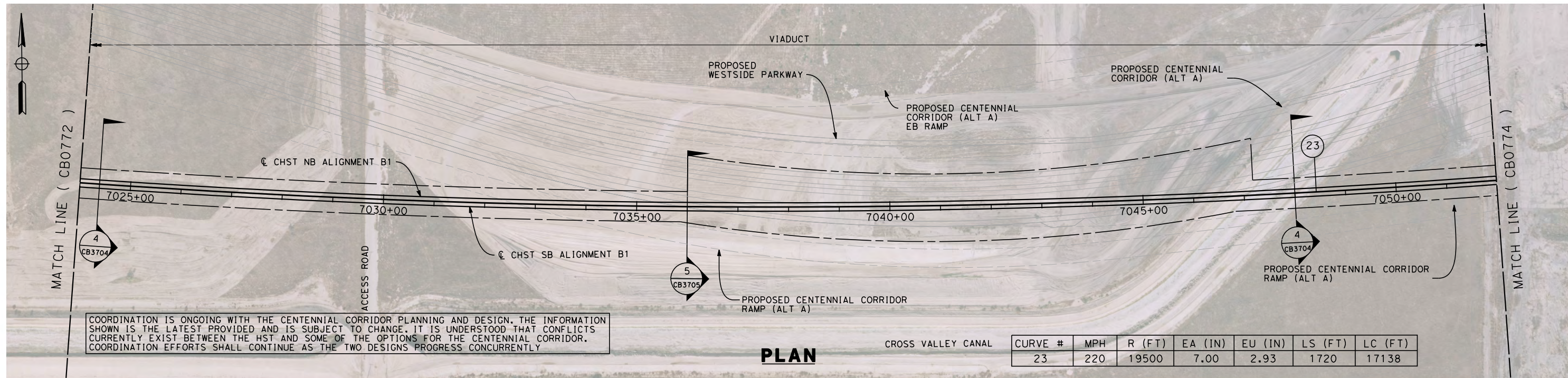
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 6996+00 TO 7024+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0772
SCALE
AS SHOWN
SHEET NO.
9 OF 36

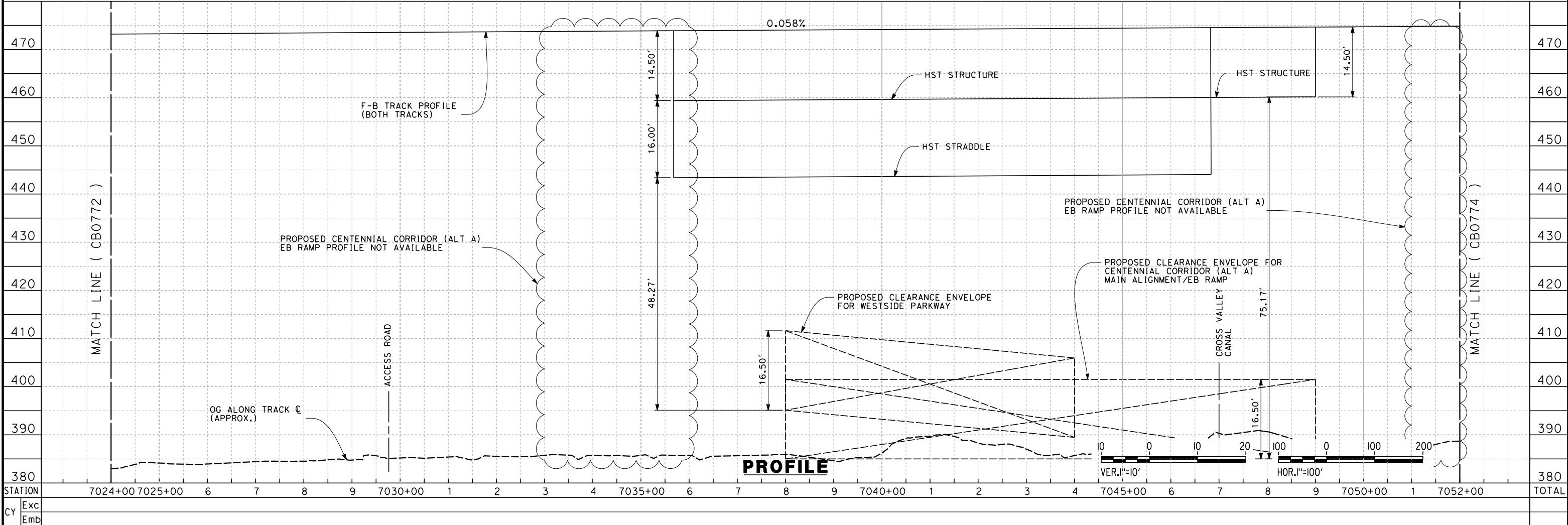
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COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

PLAN

CROSS VALLEY CANAL



PROFILE

STATION	7024+00	7025+00	6	7	8	9	7030+00	1	2	3	4	7035+00	6	7	8	9	7040+00	1	2	3	4	7045+00	6	7	8	9	7050+00	1	7052+00	TOTAL
CY																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J.LIPSCOMB
DRAWN BY
D.WOLLISTON
CHECKED BY
L.TRUJILLO
IN CHARGE
R.COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

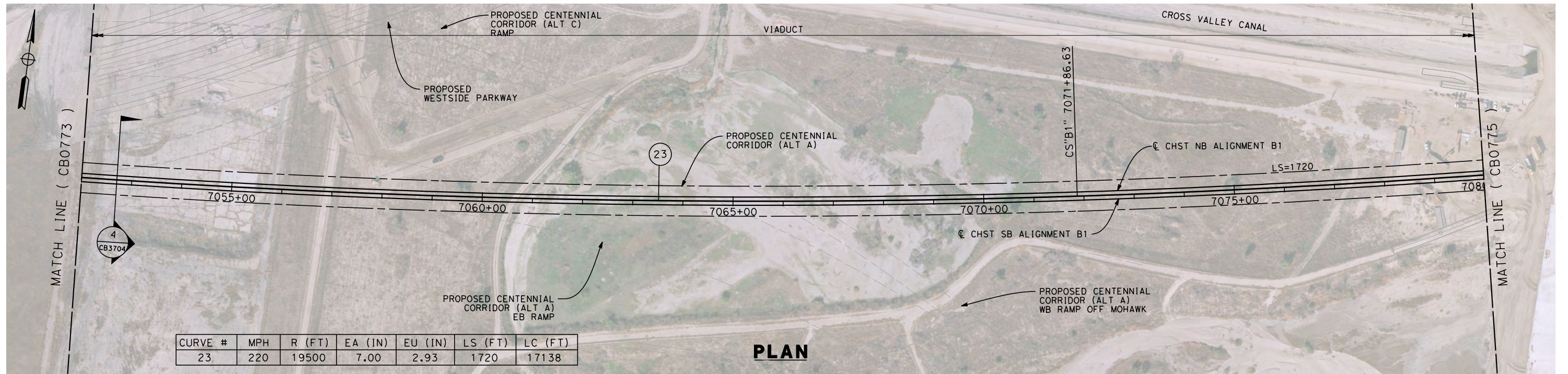
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7024+00 TO 7052+00
PLAN AND PROFILE

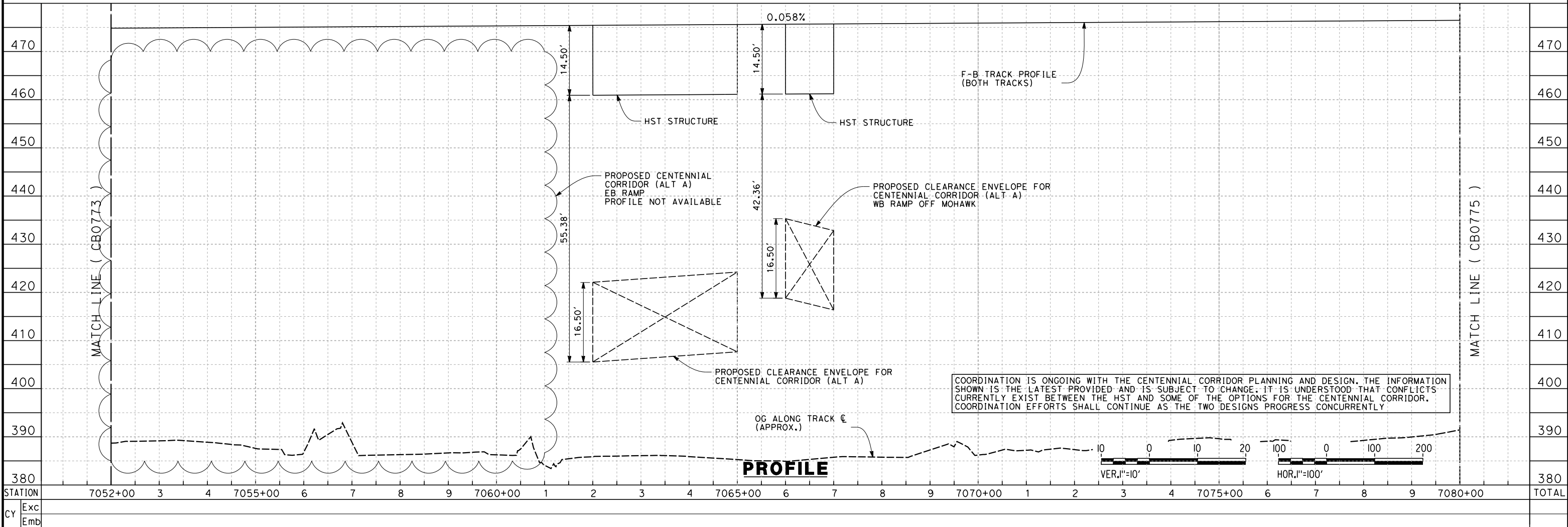
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HSR 06-0003
DRAWING NO.
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10 OF 36

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
23	220	19500	7.00	2.93	1720	17138

PLAN



PROFILE

COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY.

STATION	7052+00	3	4	7055+00	6	7	8	9	7060+00	1	2	3	4	7065+00	6	7	8	9	7070+00	1	2	3	4	7075+00	6	7	8	9	7080+00	TOTAL
CY																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7052+00 TO 7080+00
PLAN AND PROFILE

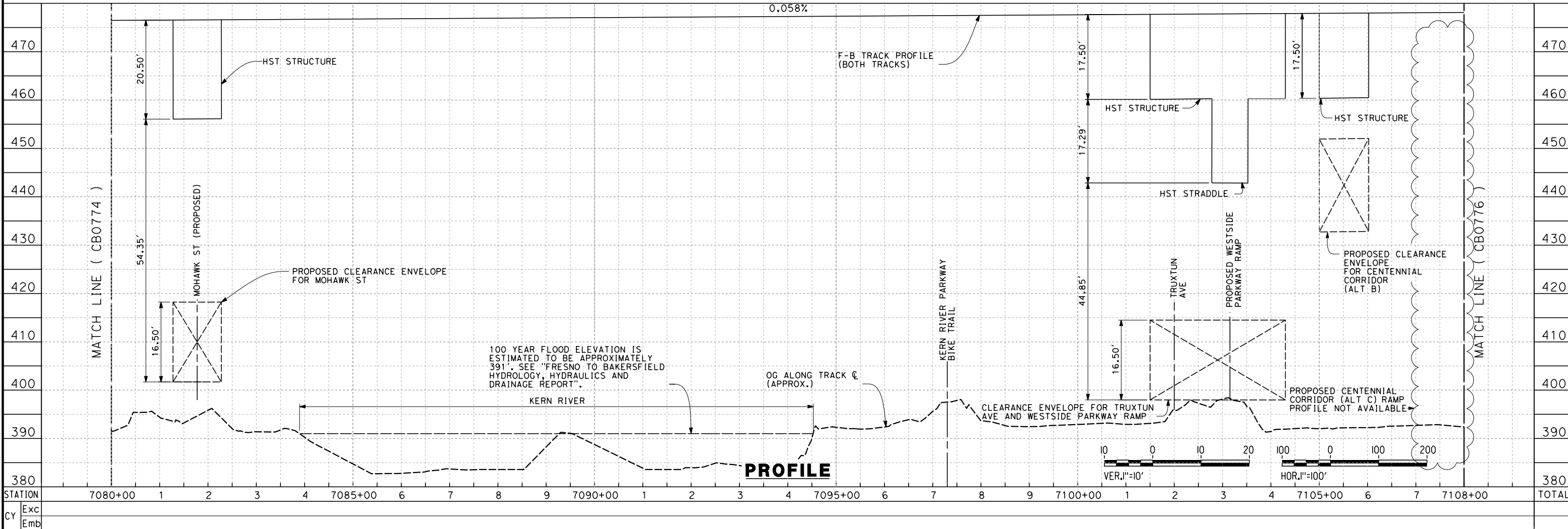
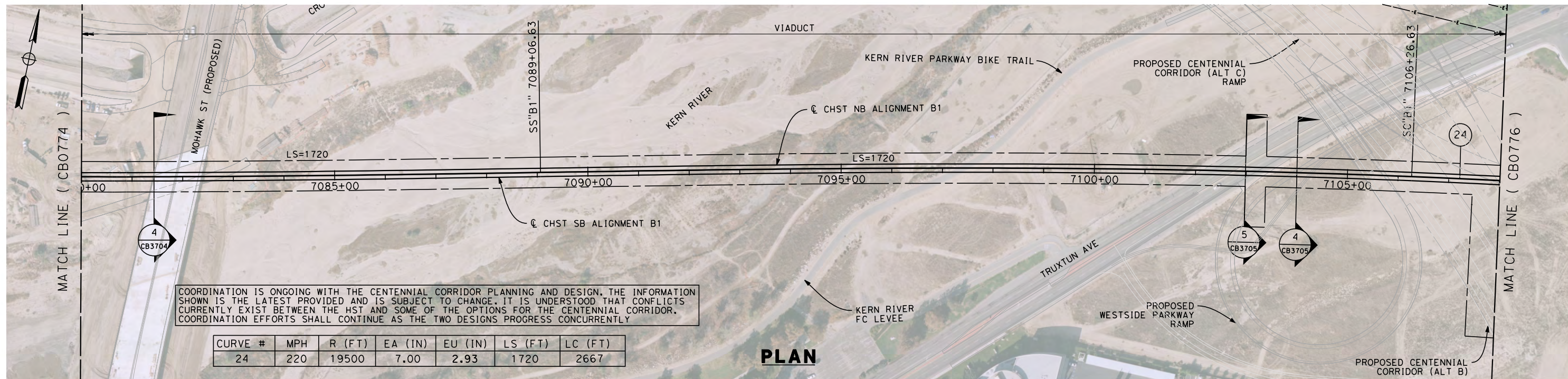
CONTRACT NO.
HSR 06-0003

DRAWING NO.
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SCALE
AS SHOWN

SHEET NO.
11 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J.LIPSCOMB
DRAWN BY
D.WOLLISTON
CHECKED BY
L.TRUJILLO
IN CHARGE
R.COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

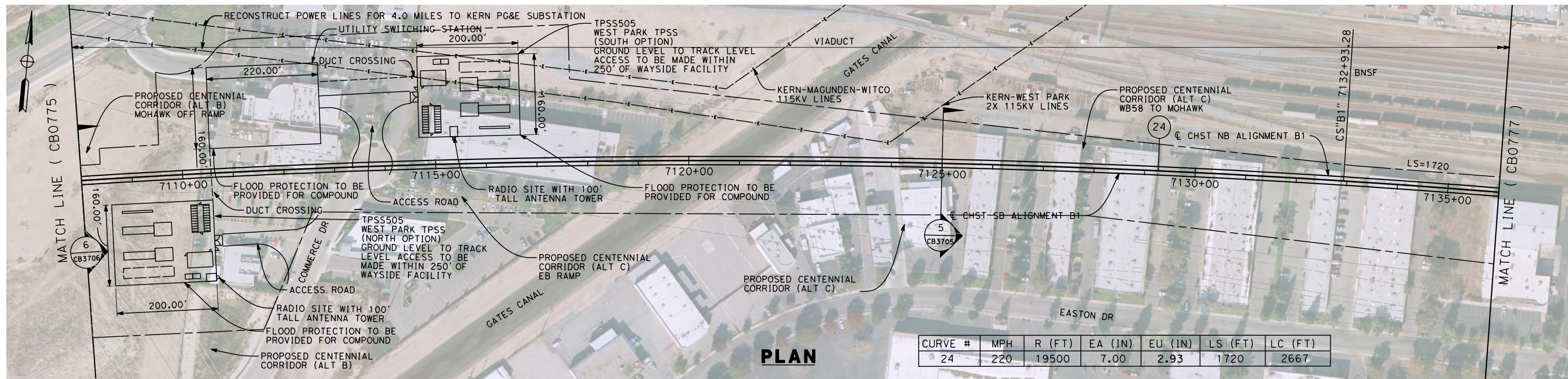
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CONSTRUCTION**



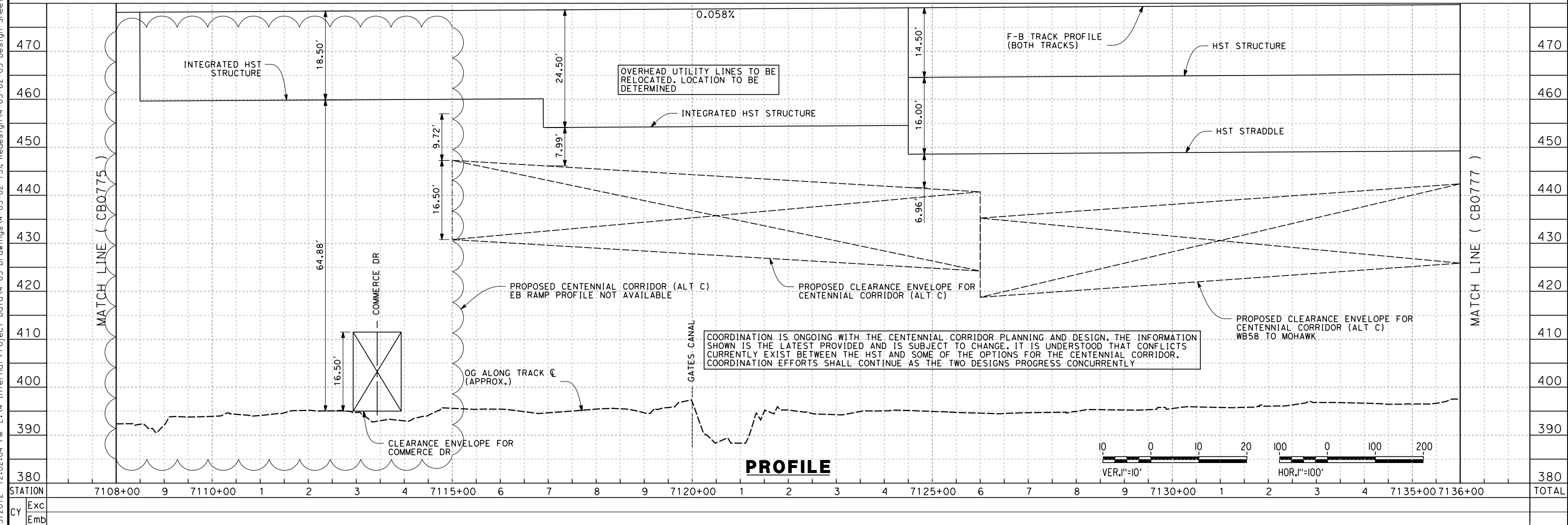
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7080+00 TO 7108+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0775
SCALE
AS SHOWN
SHEET NO.
12 OF 36

5/15/2012 12:02:04 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-0776-B1.dgn



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J.LIPSCOMB
DRAWN BY
D.WOLLISTON
CHECKED BY
L.TRUJILLO
IN CHARGE
R.COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7108+00 TO 7136+00
PLAN AND PROFILE

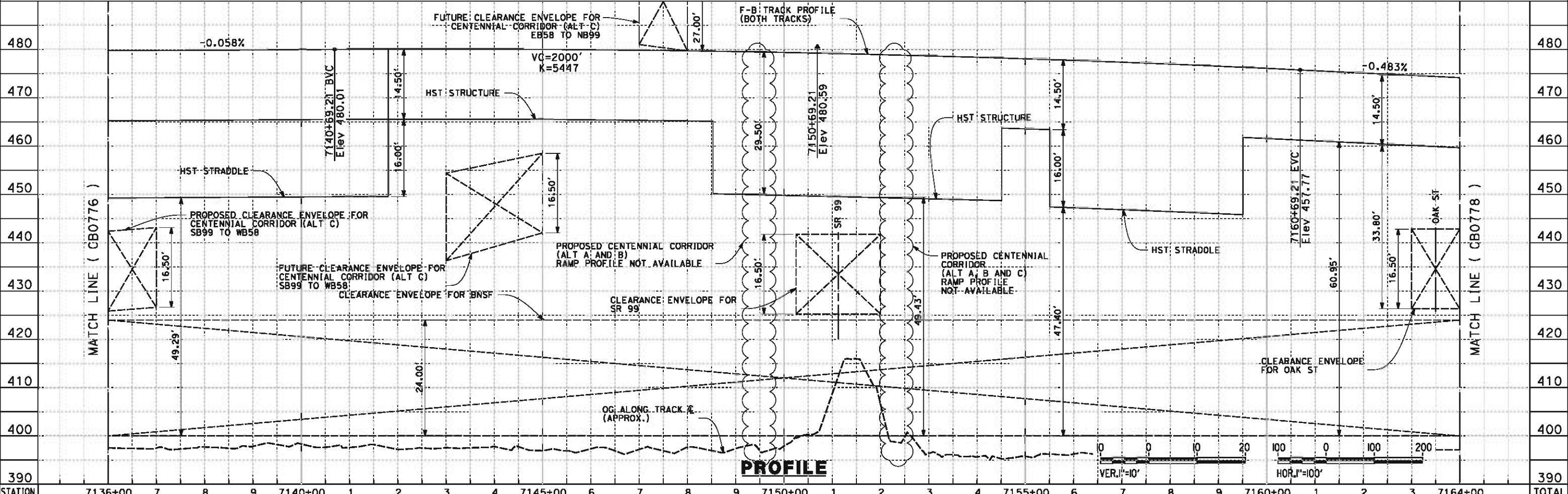
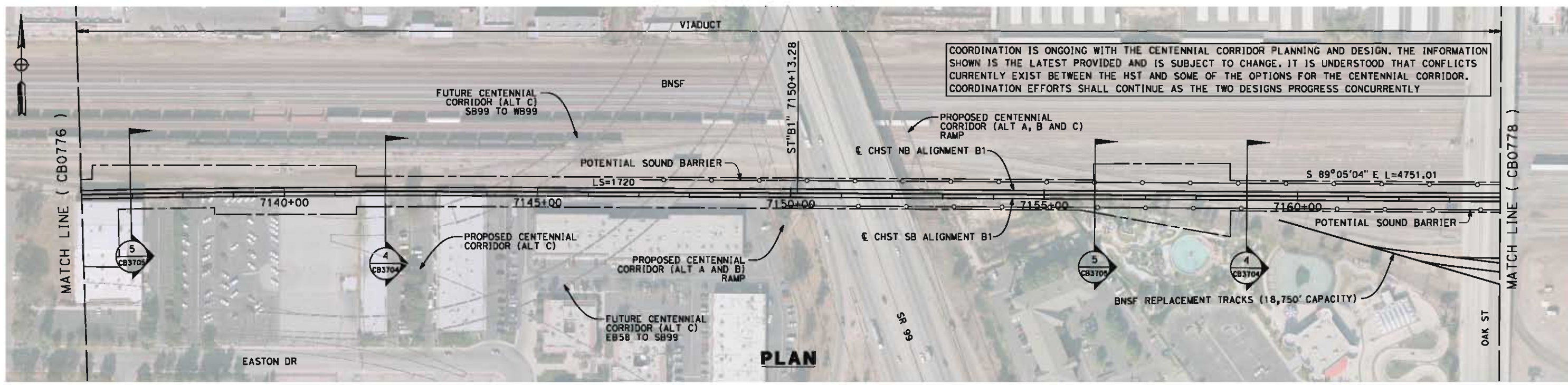
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0776

SCALE
AS SHOWN

SHEET NO.
13 OF 36

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STATION	7136+00	7	8	9	7140+00	1	2	3	4	7145+00	6	7	8	9	7150+00	1	2	3	4	7155+00	6	7	8	9	7160+00	1	2	3	7164+00	TOTAL
Exc																														
Emb																														

DESIGNED BY
J.LIPSCOMB
DRAWN BY
D.WOLLISTON
CHECKED BY
L.TRUJILLO
IN CHARGE
R.COFFIN
DATE
06/08/12

RECORD SET 15%
DESIGN SUBMISSION

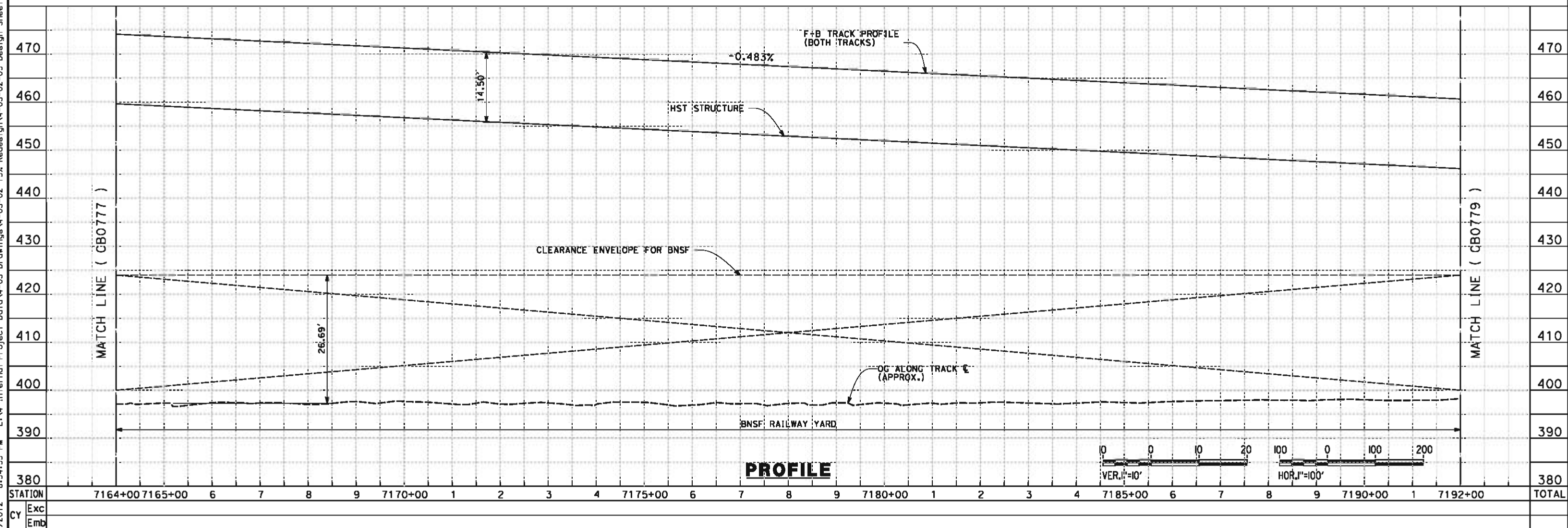
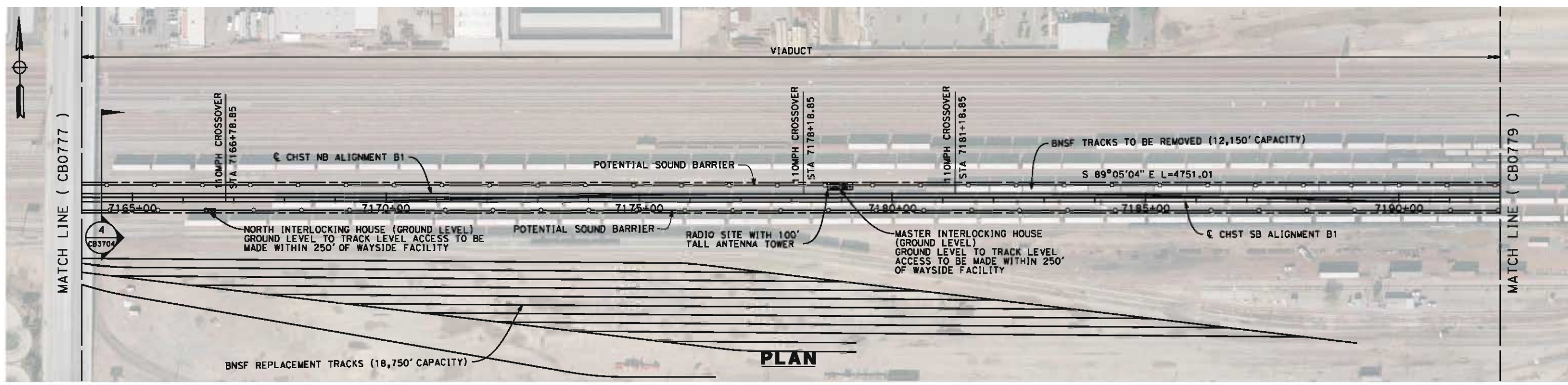
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7136+00 TO 7164+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0777
SCALE
AS SHOWN
SHEET NO.
14 OF 36

6/5/2012 8:54:55 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0778-B1.dgn paul.tankin



DESIGNED BY	J. LIPSCOMB
DRAWN BY	D. WOLLISTON
CHECKED BY	L. TRUJILLO
IN CHARGE	R. COFFIN
DATE	06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

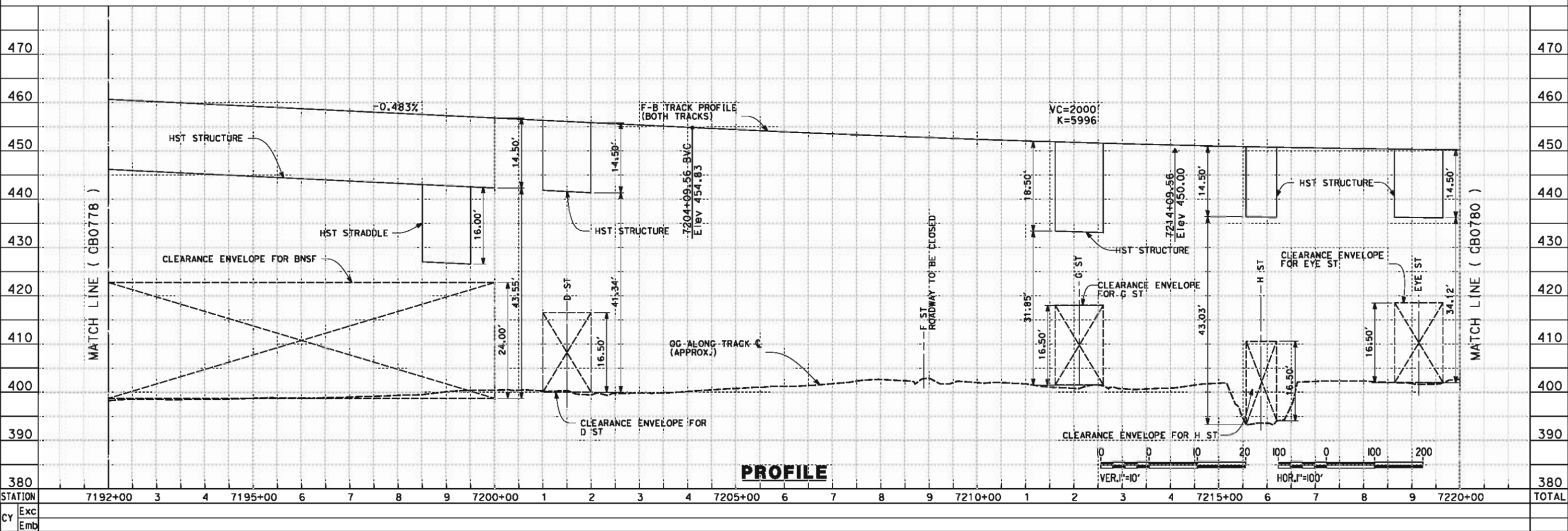
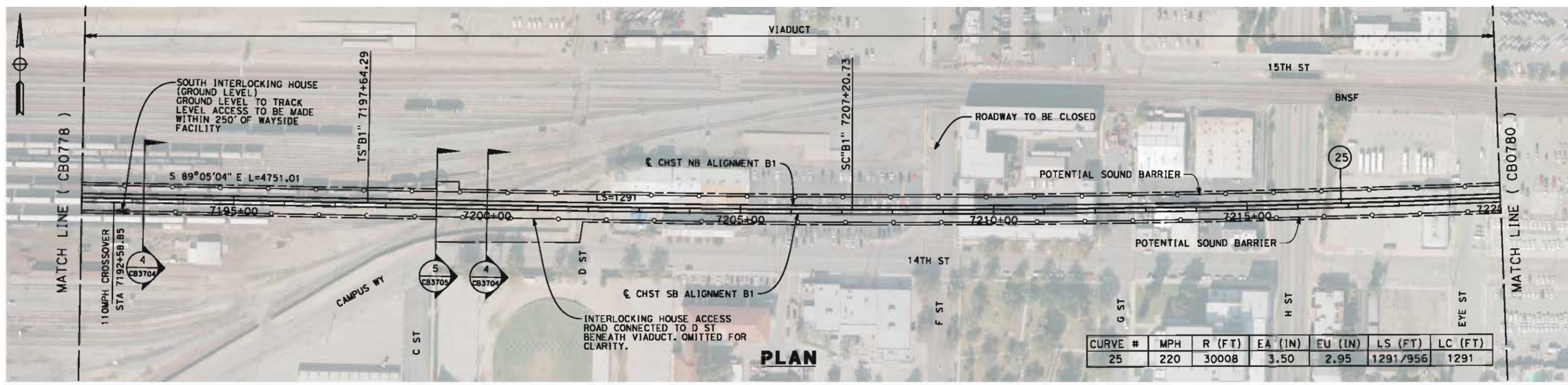
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 STA. 7164+00 TO 7192+00
 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
 DRAWING NO. CB0778
 SCALE AS SHOWN
 SHEET NO. 15 OF 36

6/5/2012 9:03:06 PM L:\V4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0779-B1.dgn



STATION	Exc	Emb
7192+00		
3		
4		
7195+00		
6		
7		
8		
9		
7200+00		
1		
2		
3		
4		
7205+00		
6		
7		
8		
9		
7210+00		
1		
2		
3		
4		
7215+00		
6		
7		
8		
9		
7220+00		
TOTAL		

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

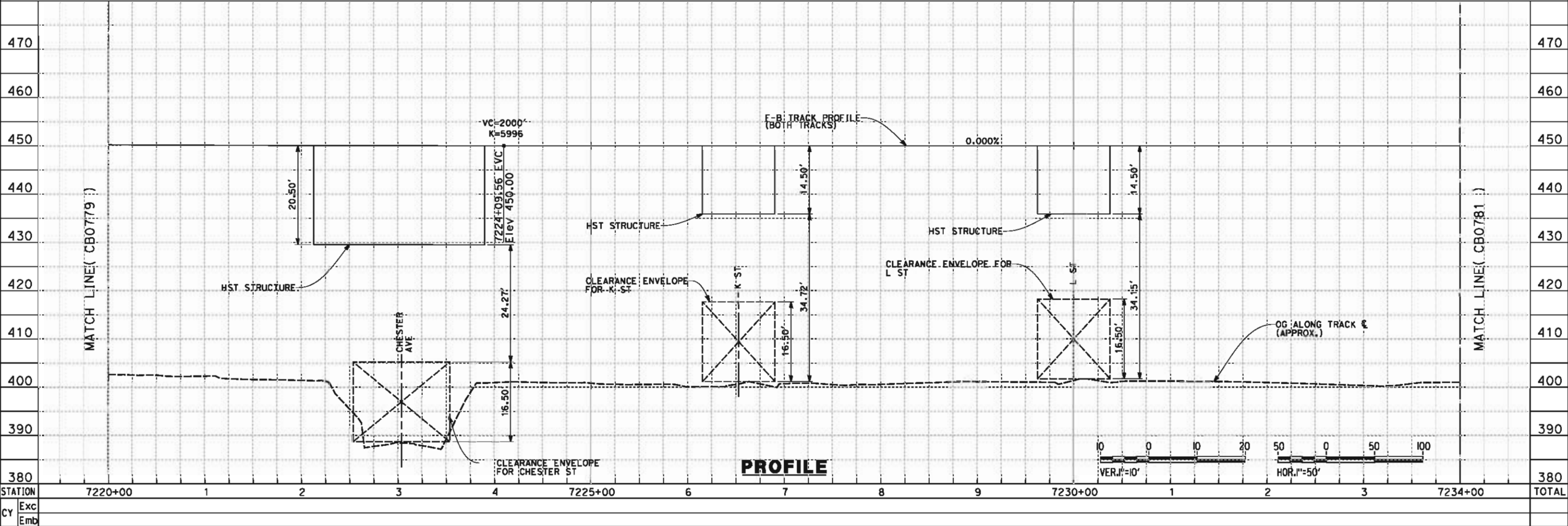
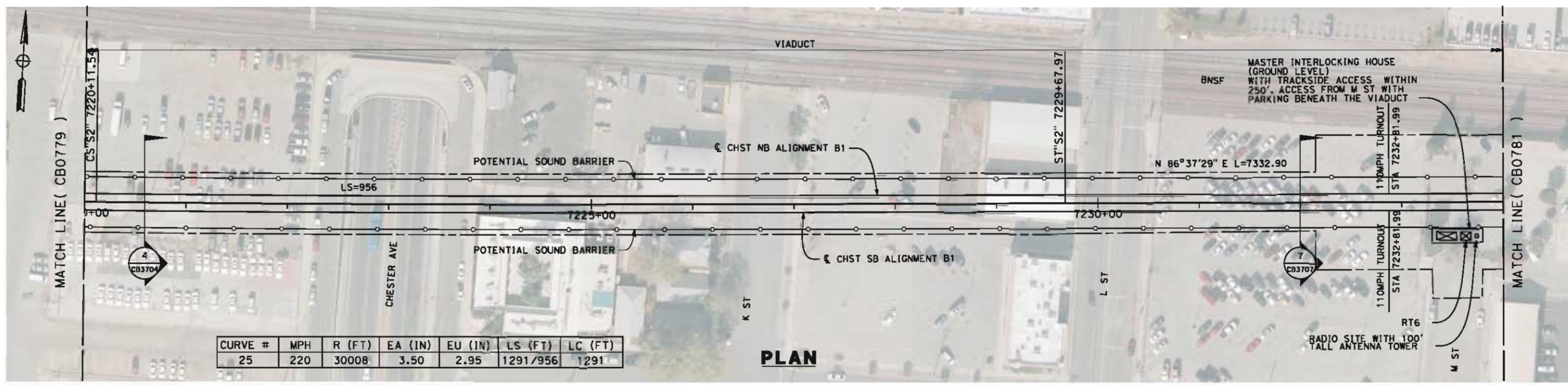
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7192+00 TO 7220+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0779
SCALE
AS SHOWN
SHEET NO.
16 OF 36

6/6/2012 9:18:39 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheet\NFB-CB-0780-B1.dgn paul.tankin



DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

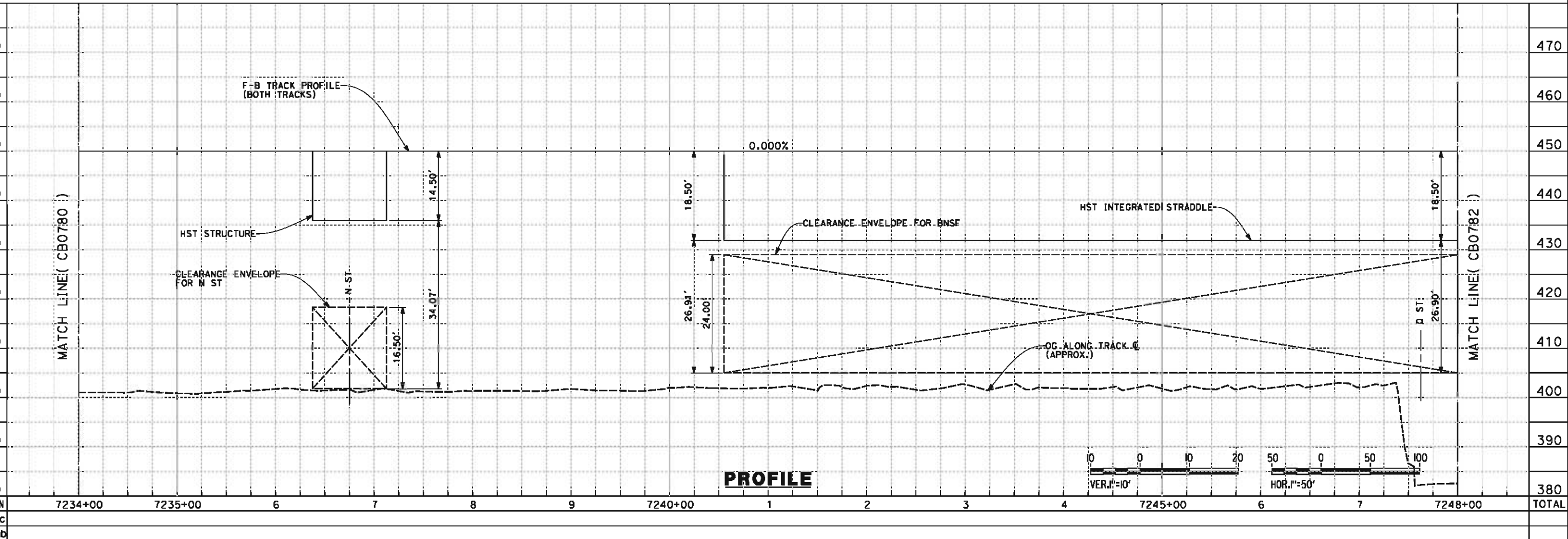
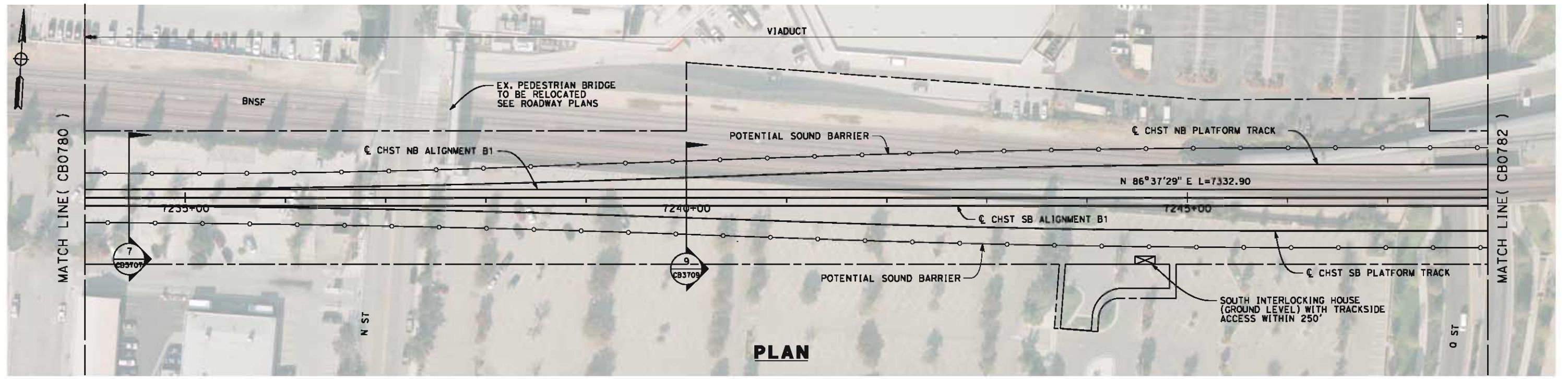
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7220+00 TO 7234+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0780
SCALE
AS SHOWN
SHEET NO.
17 OF 36

6/6/2012 9:38:02 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0781-B1.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOOLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

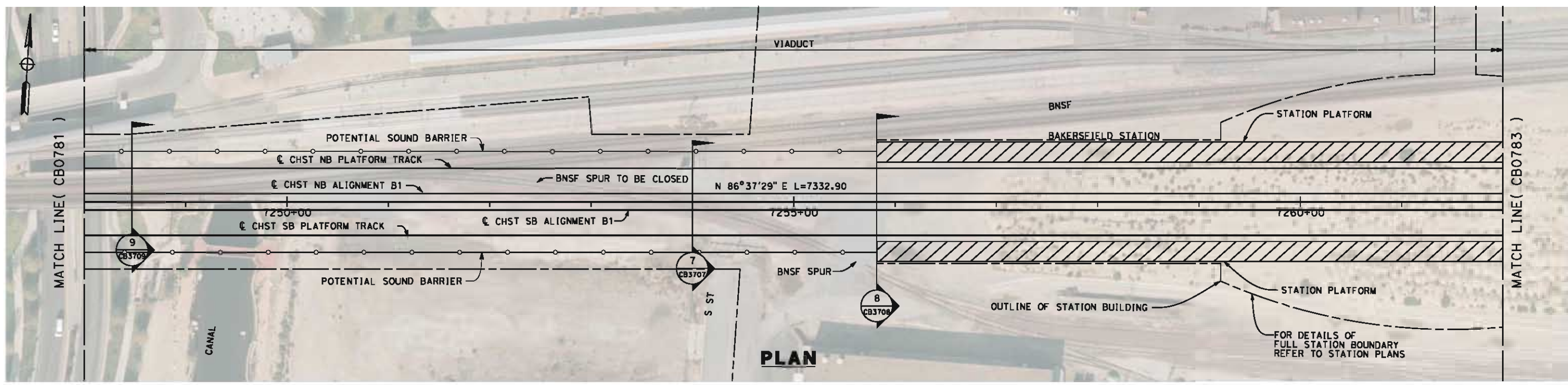
**NOT FOR
CONSTRUCTION**



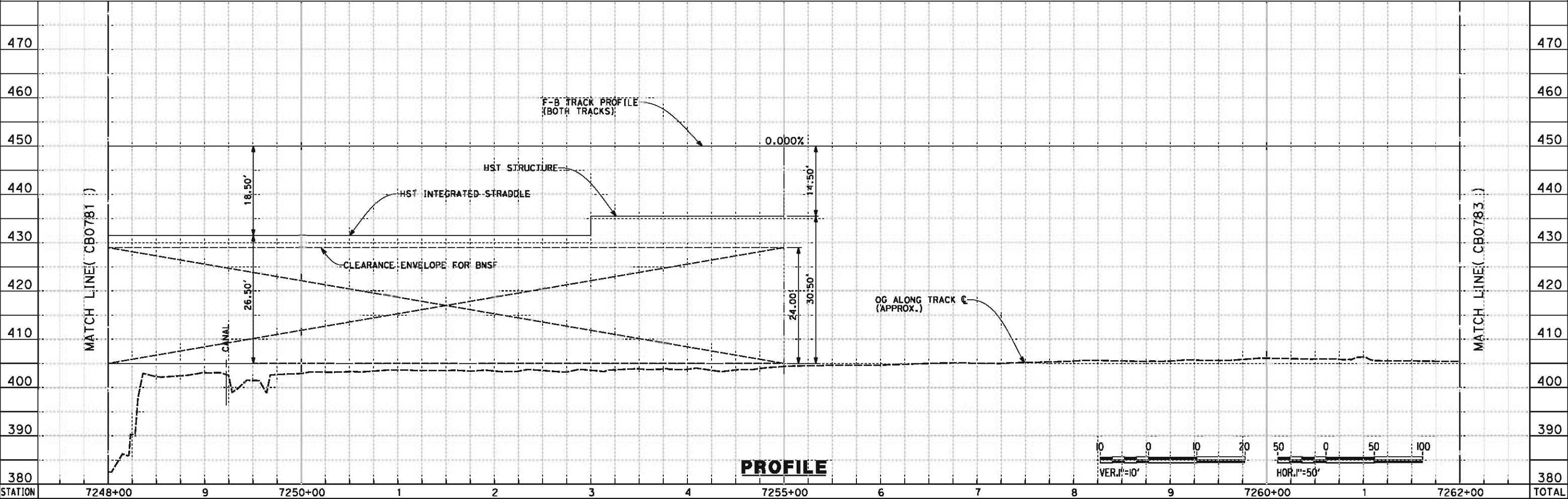
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7234+00 TO 7248+00
PLAN AND PROFILE

CONTRACT NO.
HSR-06-0003
DRAWING NO.
CB0781
SCALE
AS SHOWN
SHEET NO.
18 OF 36

6/6/2012 9:50:39 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0782-B1.dgn paul.tankin



PLAN



PROFILE

STATION	7248+00	9	7250+00	1	2	3	4	7255+00	6	7	8	9	7260+00	1	7262+00	TOTAL
CY Exc																
CY Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

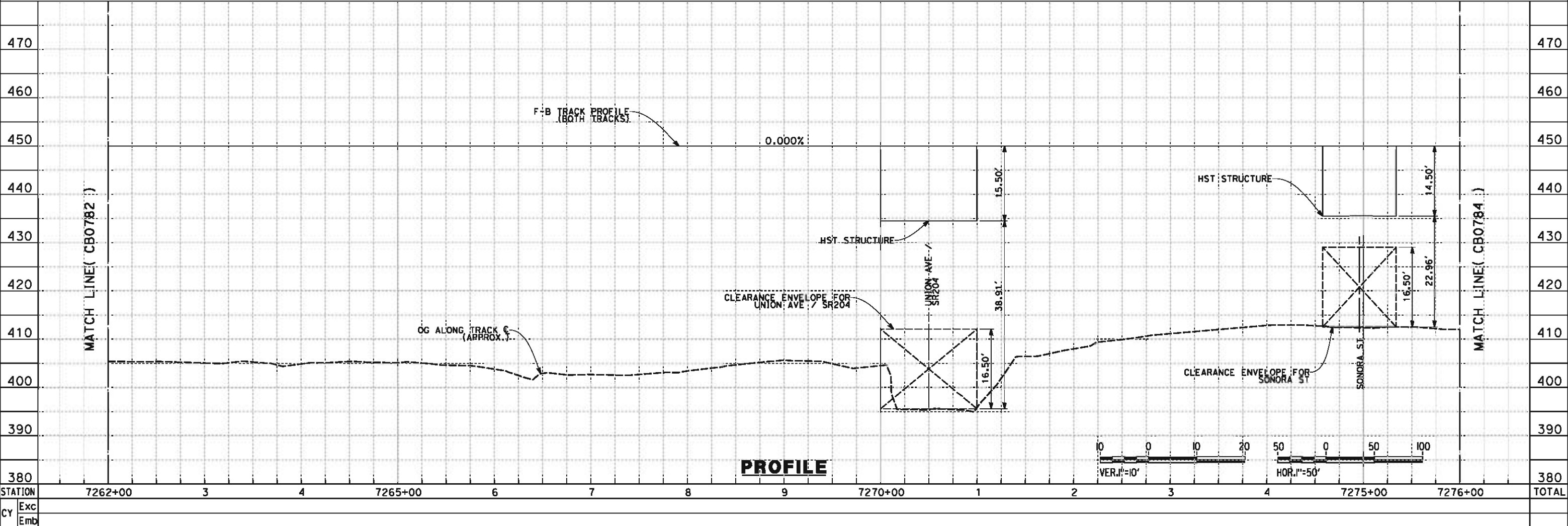
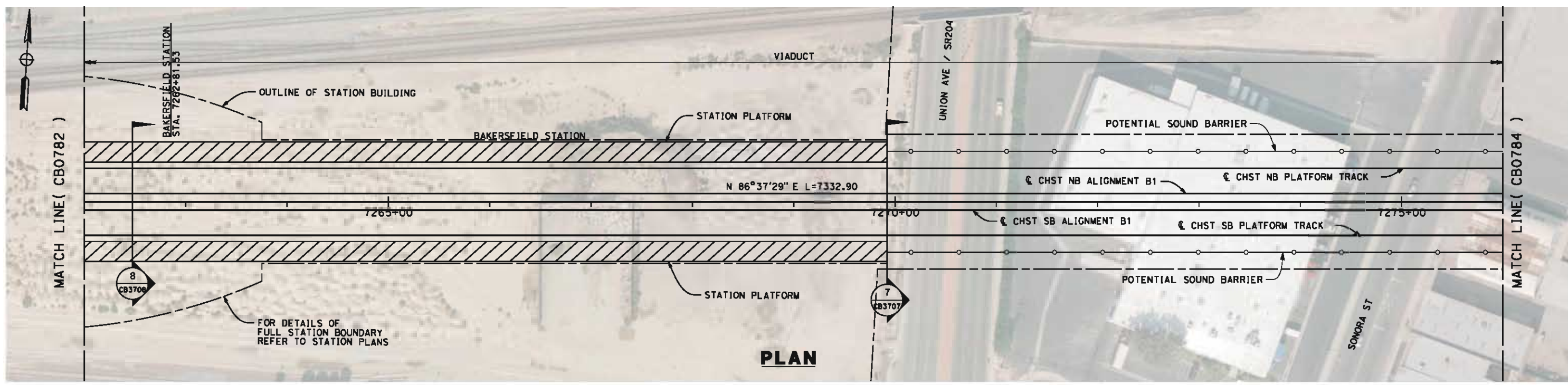
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7248+00 TO 7262+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0782
SCALE
AS SHOWN
SHEET NO.
19 OF 36

6/6/2012 10:03:51 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\B1\FB-CB-0783-B1.dgn paul.tankin



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

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

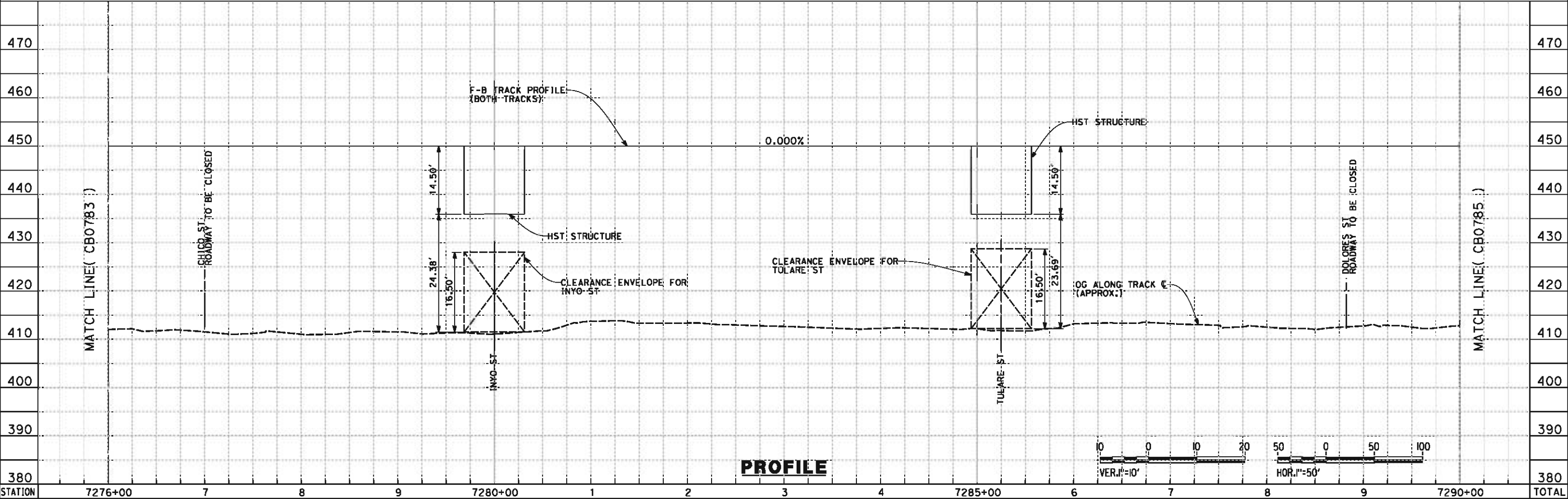
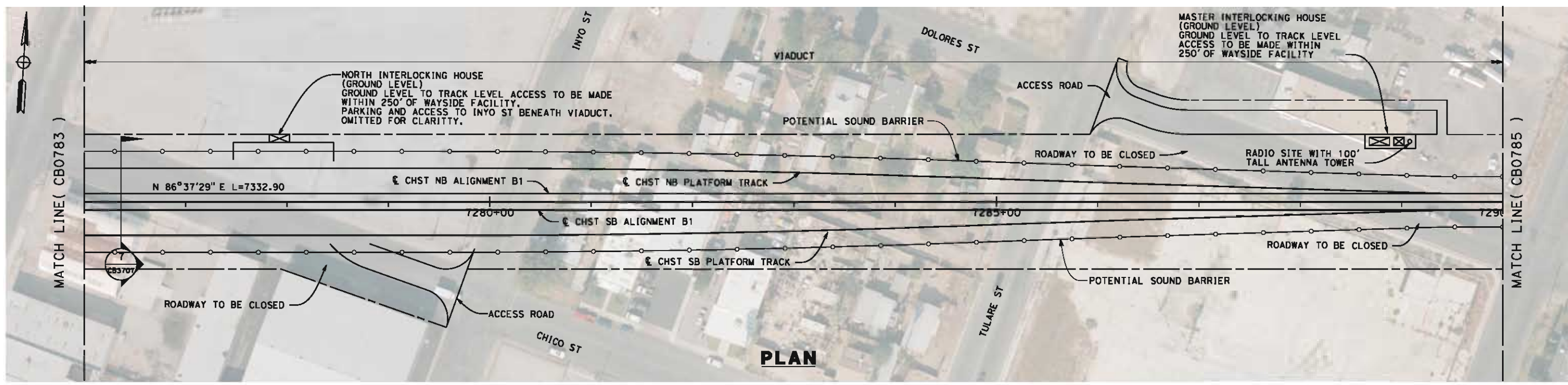
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7262+00 TO 7276+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0783
SCALE
AS SHOWN
SHEET NO.
20 OF 36

6/6/2012 3:18:33 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn\4-03-02-05 Design Sheets\Rail\B1\FB-CB-0784-B1.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

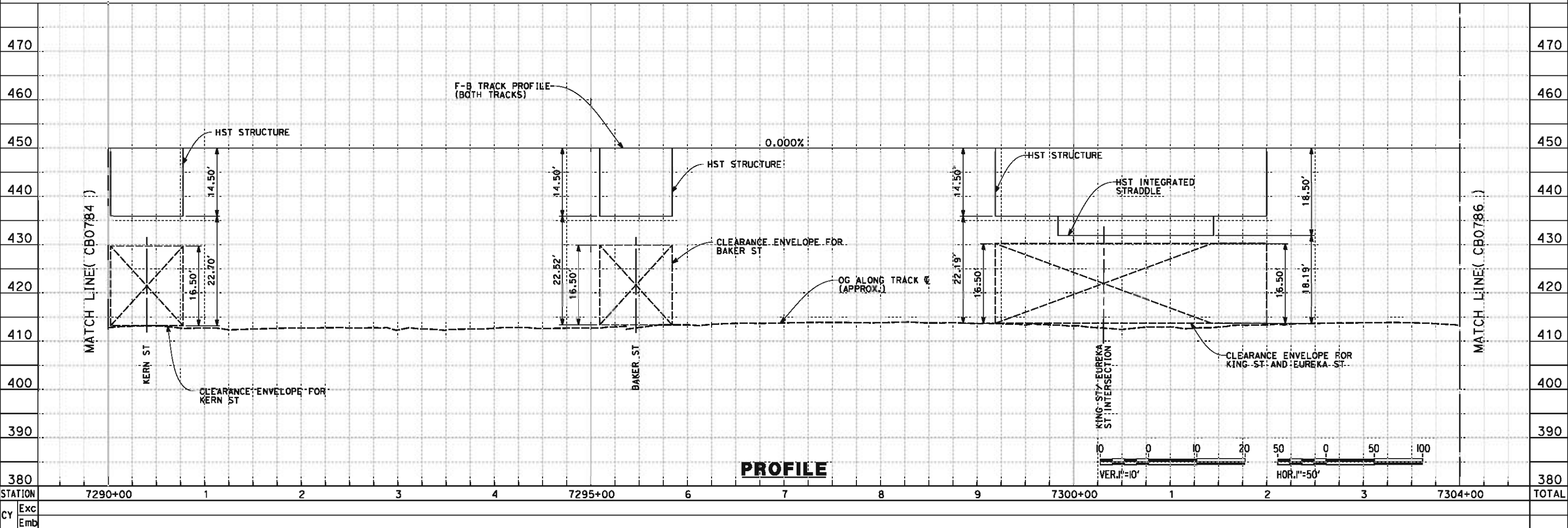
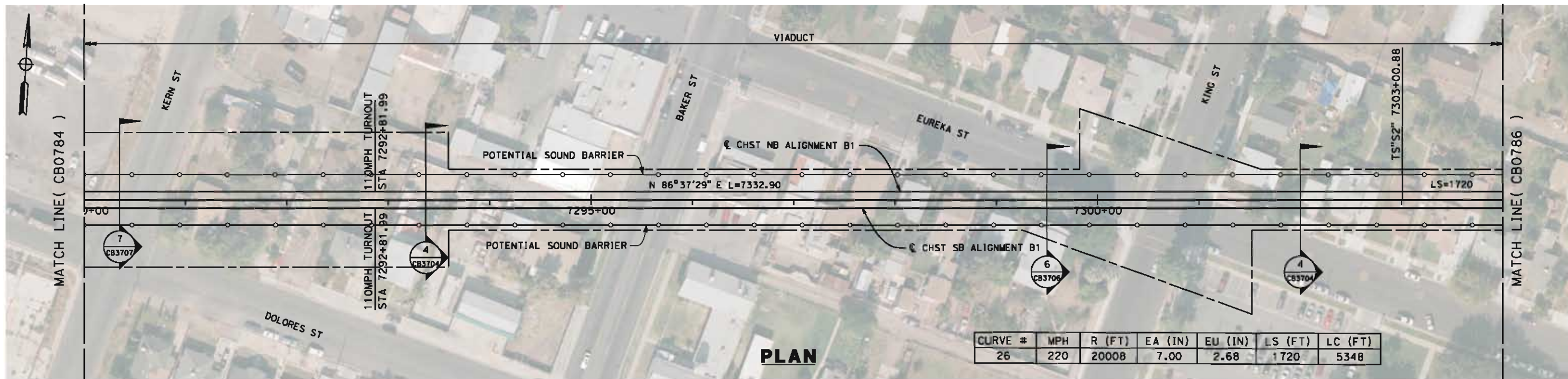
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7276+00 TO 7290+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0784
SCALE
AS SHOWN
SHEET NO.
21 OF 36

6/6/2012 10:33:37 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0785-B1.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7290+00 TO 7304+00
PLAN AND PROFILE

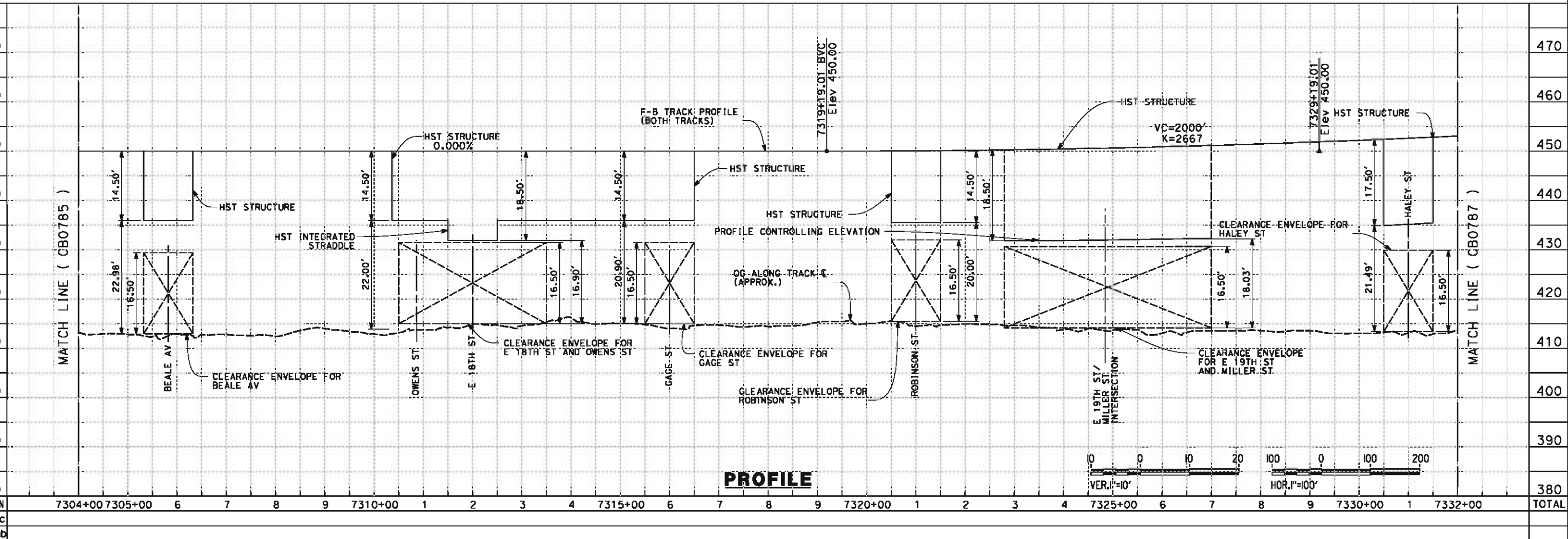
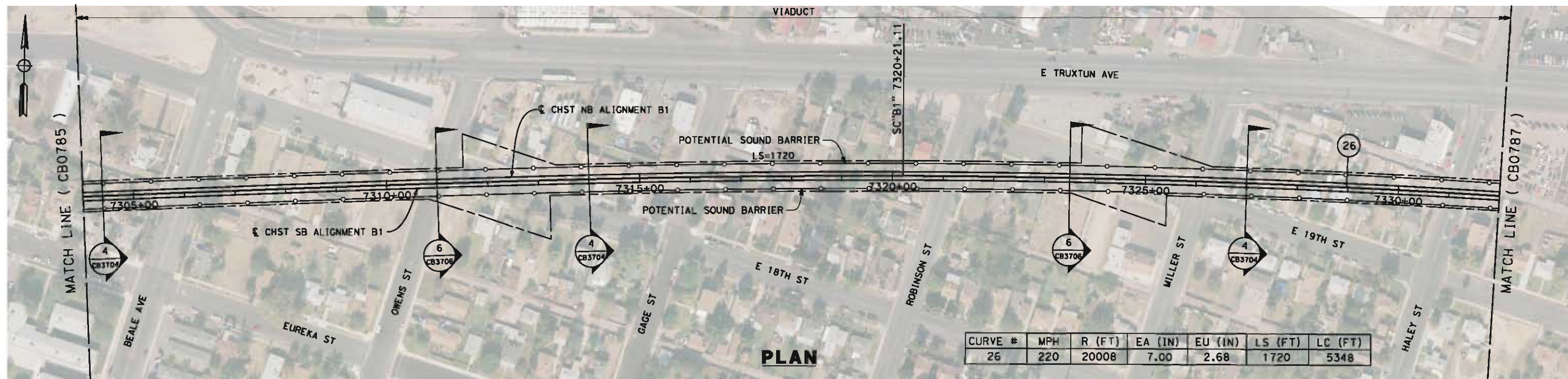
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0785

SCALE
AS SHOWN

SHEET NO.
22 OF 36

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

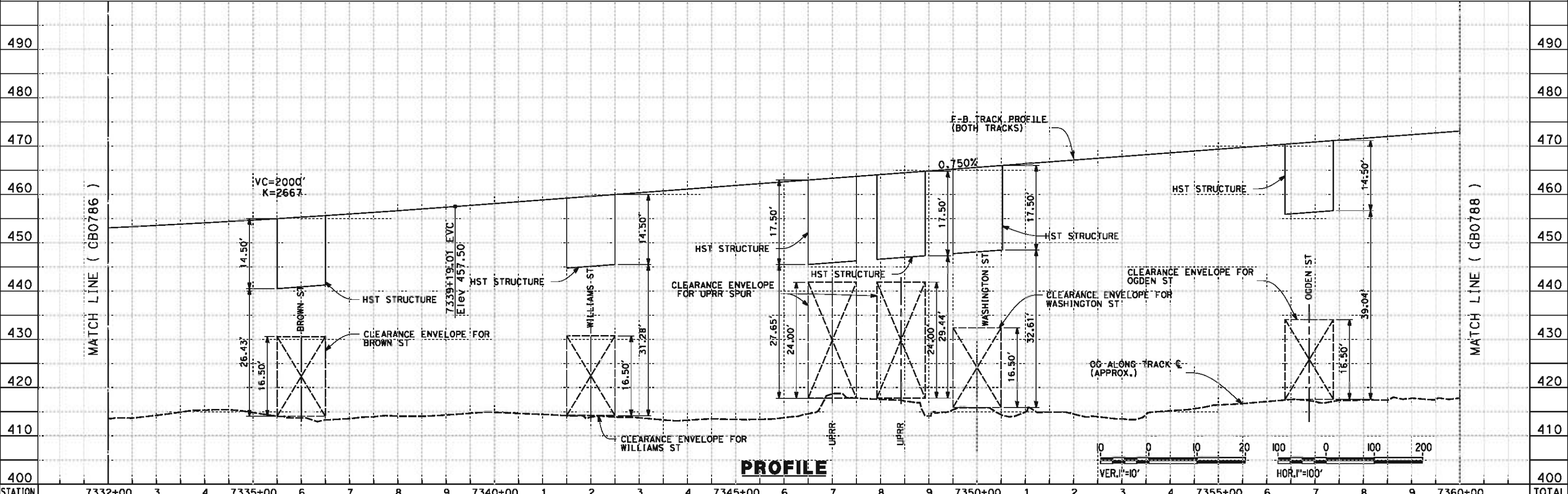
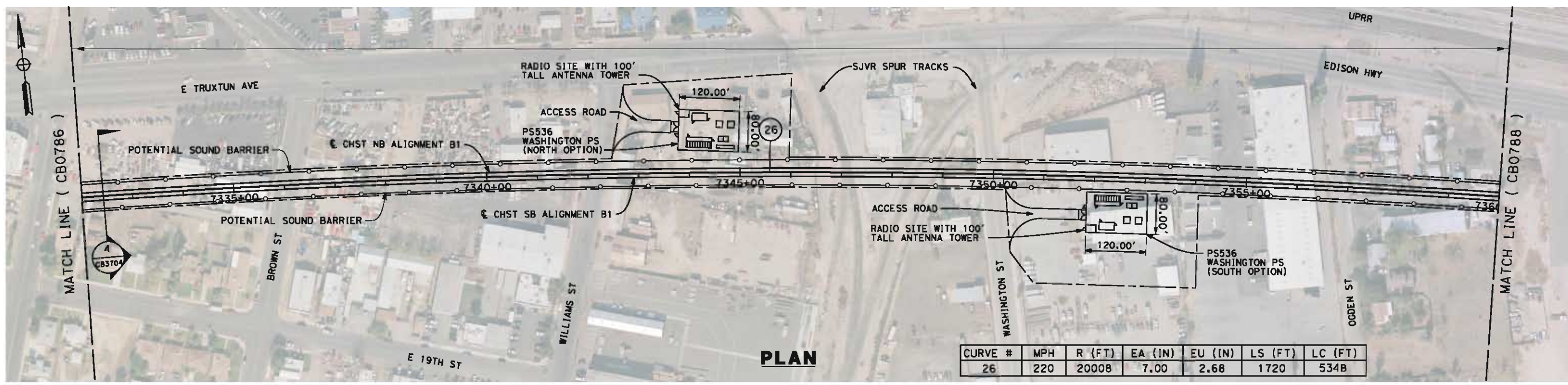
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7304+00 TO 7332+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0786
SCALE
AS SHOWN
SHEET NO.
23 OF 36

6/6/2012 11:00:01 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0787-B1.dgn paul.tankin



STATION	7332+00	3	4	7335+00	6	7	8	7340+00	1	2	3	4	7345+00	6	7	8	9	7350+00	1	2	3	4	7355+00	6	7	8	9	7360+00	TOTAL
Exc																													
Emb																													

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

RECORD SET 15%
DESIGN SUBMISSION

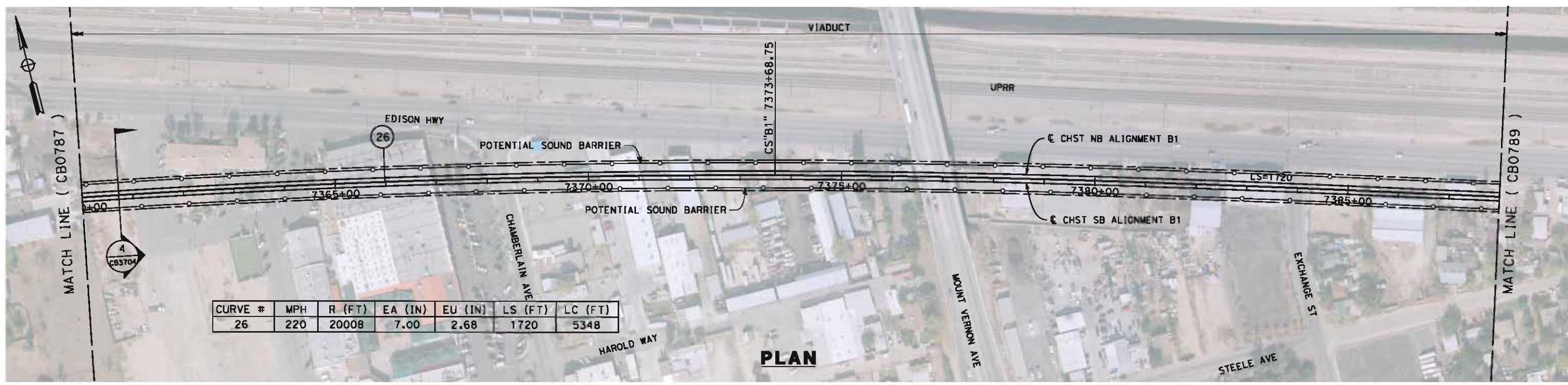
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7332+00 TO 7360+00
PLAN AND PROFILE

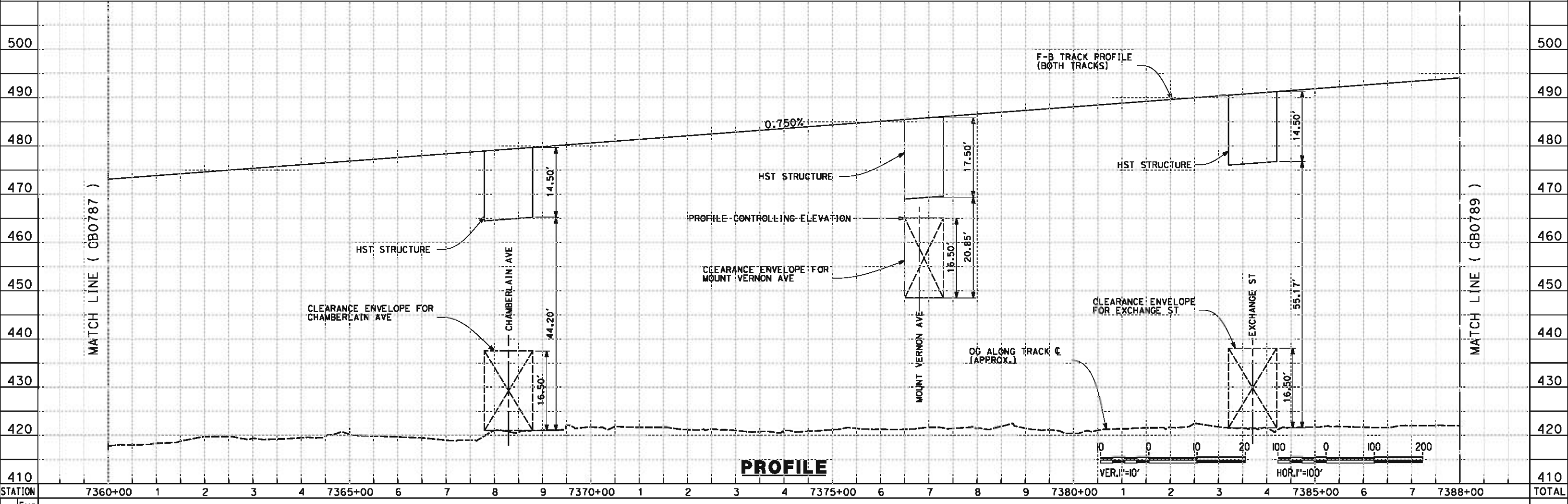
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0787
SCALE
AS SHOWN
SHEET NO.
24 OF 36

6/6/2012 11:10:08 AM L:\v4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB1\FB-CB-0788-B1.dgn paul.tankin



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
26	220	20008	7.00	2.68	1720	5348

PLAN



PROFILE

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

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

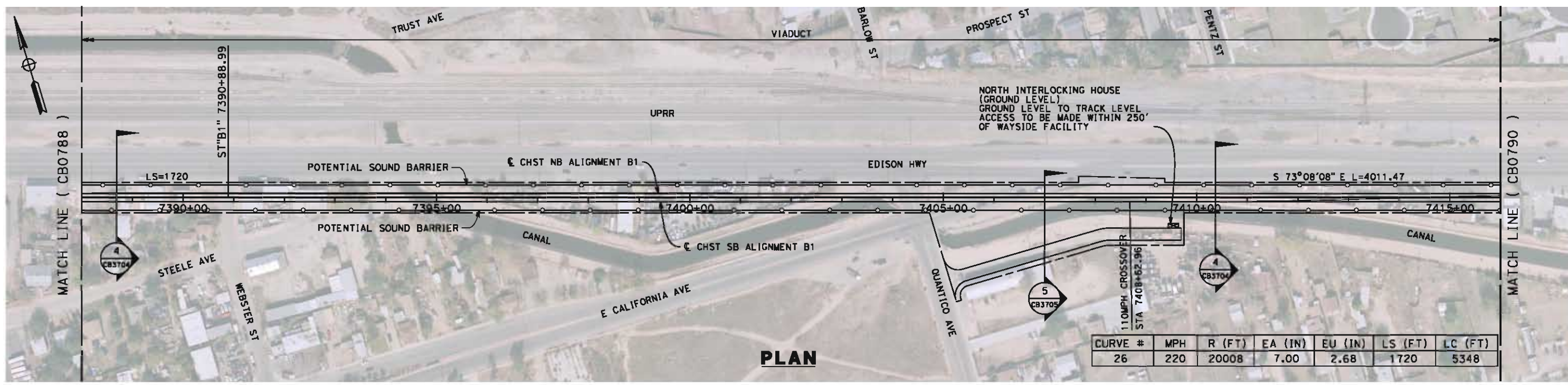
**NOT FOR
CONSTRUCTION**



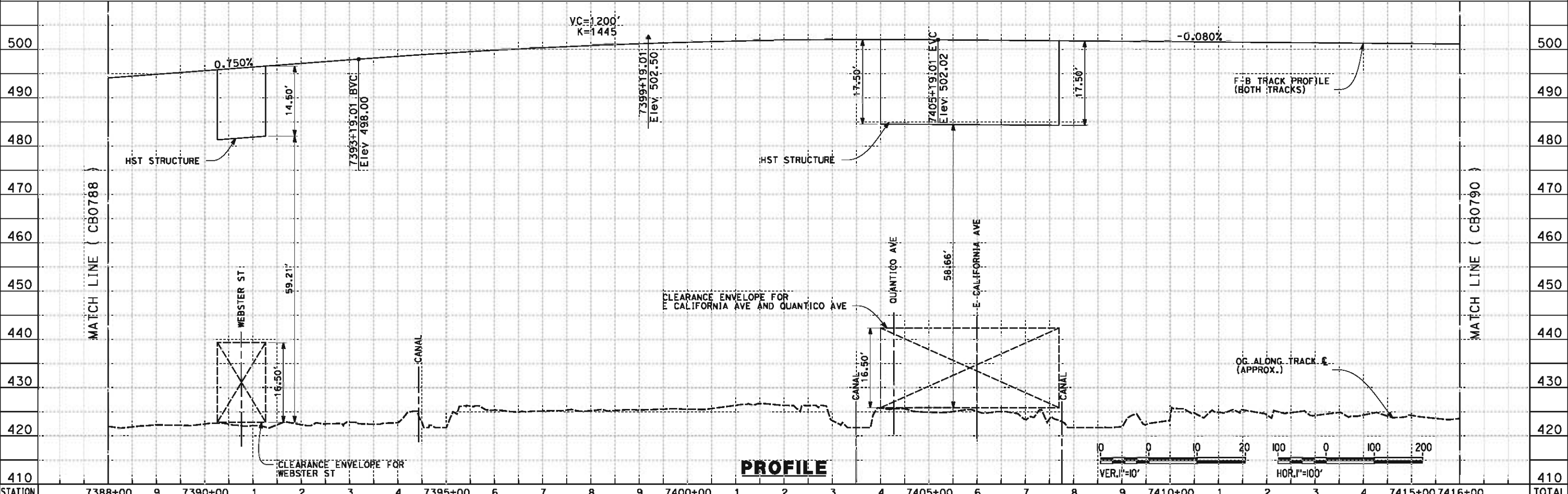
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7360+00 TO 7388+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0788
SCALE
AS SHOWN
SHEET NO.
25 OF 36

6/6/2012 11:19:17 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheet\Rail\NB1\FB-CB-0789-B1.dgn



PLAN



PROFILE

STATION	7388+00	9	7390+00	1	2	3	4	7395+00	6	7	8	9	7400+00	1	2	3	4	7405+00	6	7	8	9	7410+00	1	2	3	4	7415+00	7416+00	TOTAL
CY Exc																														
CY Emb																														

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

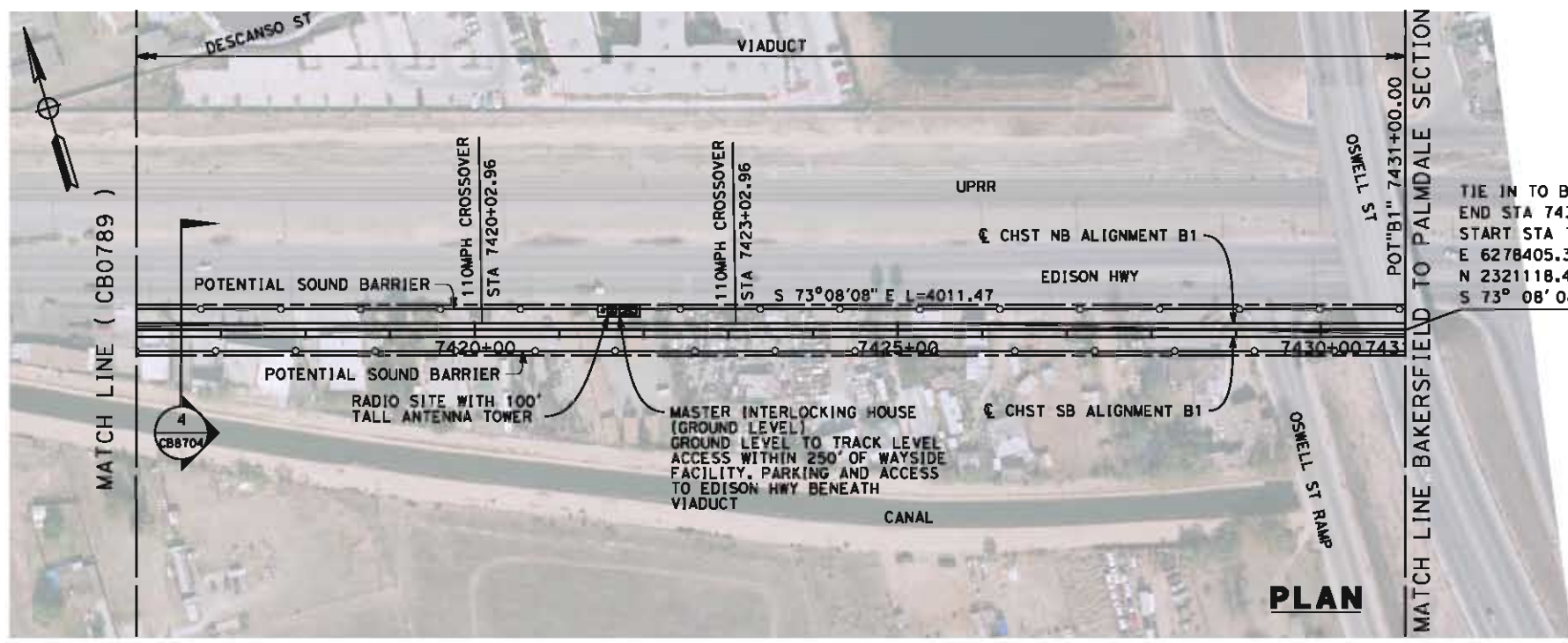


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
STA. 7388+00 TO 7416+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0789
SCALE
AS SHOWN
SHEET NO.
26 OF 36

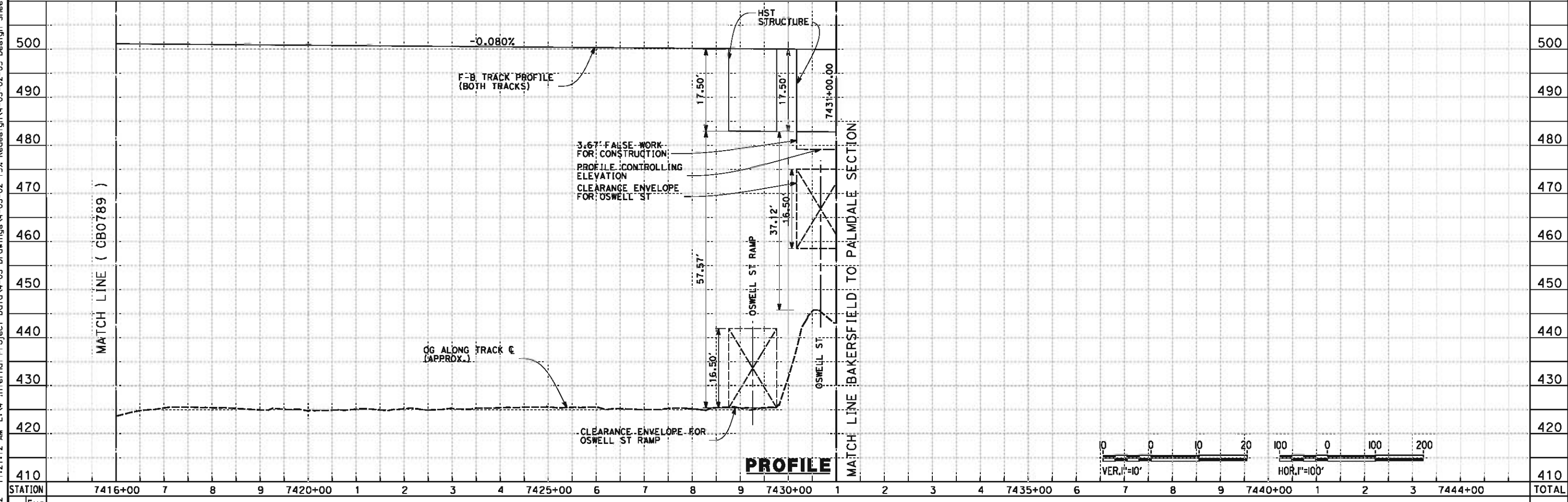
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TIE IN TO BAKERSFIELD TO PALMDALE SECTION
 END STA 7431+00 (B1)
 START STA 7442+64.24 (E2 & E4)
 E 6278405.315
 N 2321118.410
 S 73° 08' 08"E

PLAN



PROFILE

STATION	7416+00	7	8	9	7420+00	1	2	3	4	7425+00	6	7	8	9	7430+00	1	2	3	4	7435+00	6	7	8	9	7440+00	1	2	3	7444+00	TOTAL
CY																														
	Exc																													
	Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

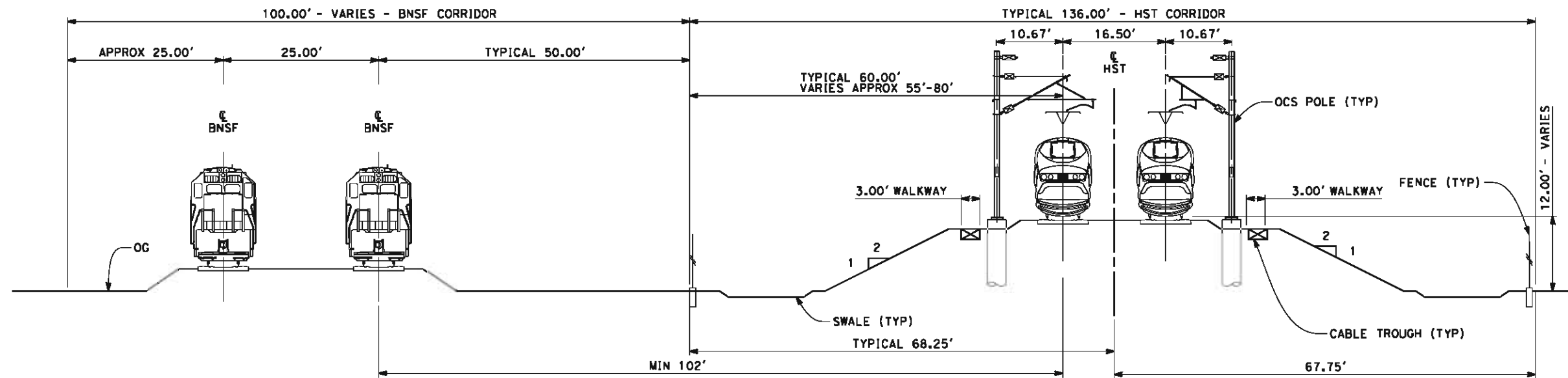


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 STA. 7416+00 TO 7431+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0790
 SCALE
AS SHOWN
 SHEET NO.
27 OF 36

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. BNSF RELOCATED BEYOND STATION 6830+39.78.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. INDICATIVE BNSF RELOCATION SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAIL SURVEYS.



SECTION 1

HST AT GRADE LOOKING SOUTHBOUND
STATIONS 6800+11 TO 6914+34



05/11/2012 14:51:07 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-3701-B1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB

DRAWN BY
D. WOLLISTON

CHECKED BY
L. TRUJILLO

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3701

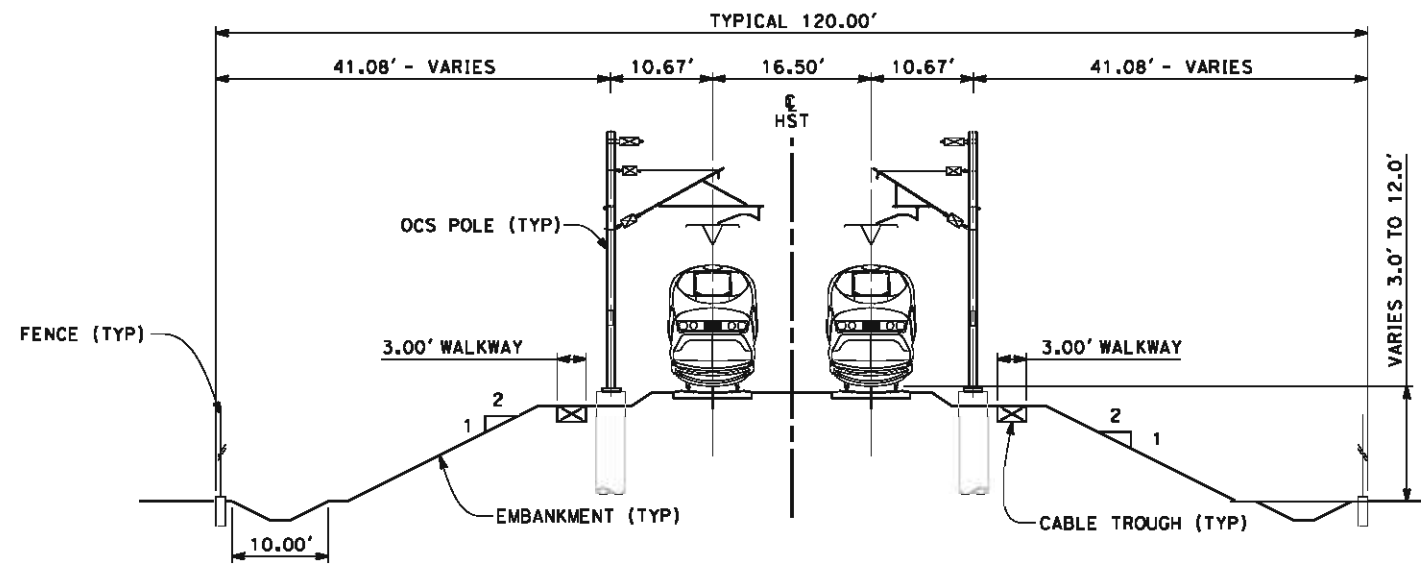
SCALE
AS SHOWN

SHEET NO.
28 OF 36

05/11/2012 14:51:12 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\B1\FB-CB-3702-B1.dgn

NOTES:

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



SECTION 2

HST AT GRADE LOOKING SOUTHBOUND
STATIONS 6914+34 TO 6924+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



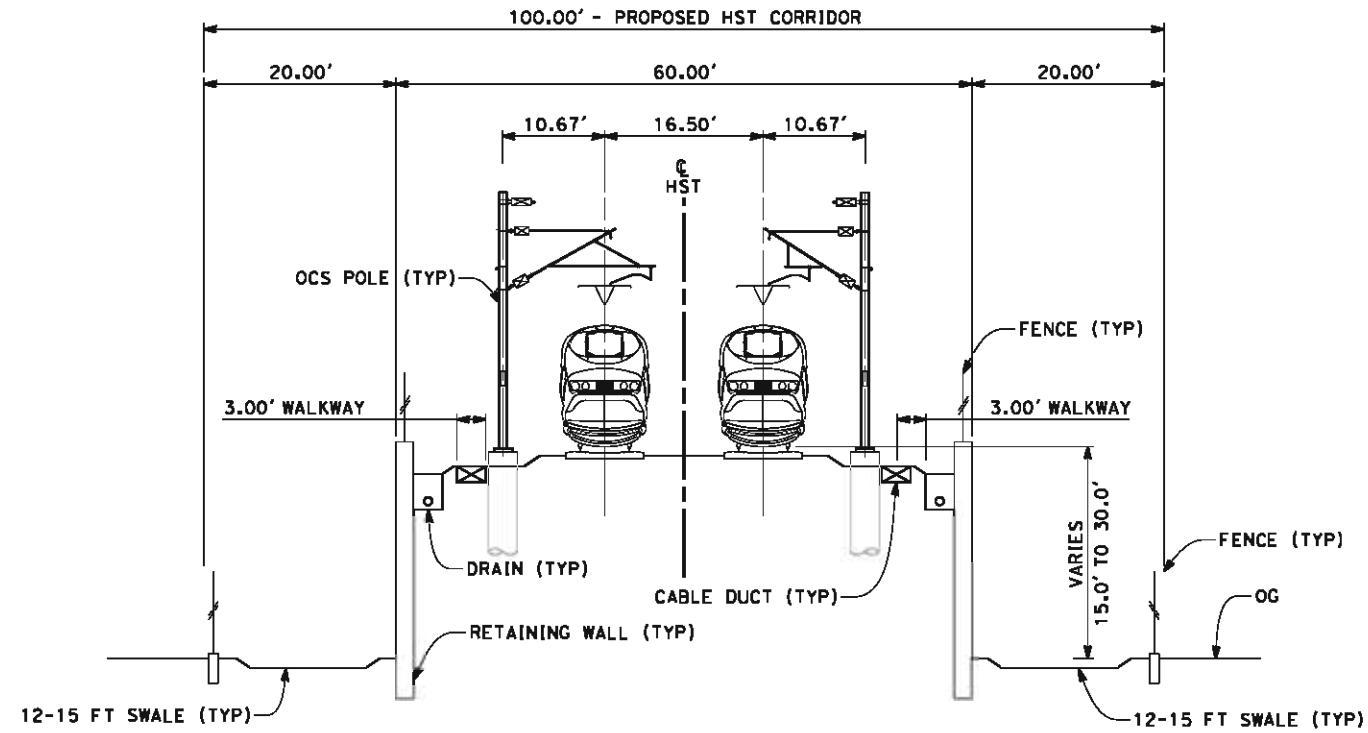
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3702
SCALE
AS SHOWN
SHEET NO.
29 OF 36

05/11/2012 14:51:17 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\B1\FB-CB-3703-B1.dgn

NOTES:

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



SECTION 3

TWIN TRACK ON RETAINING WALL
LOOKING SOUTHBOUND
STATIONS 6924+50 TO 6939+10



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



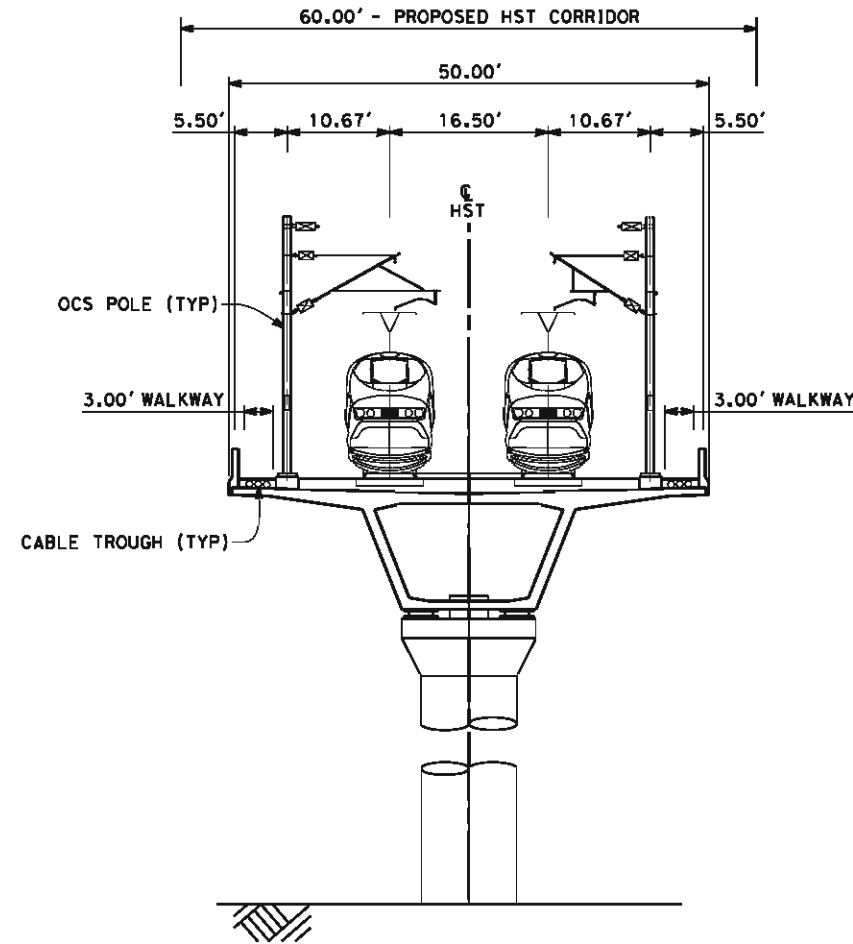
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3703
SCALE
AS SHOWN
SHEET NO.
30 OF 36

05/11/2012 14:51:22 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-3704-B1.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' TO 24.50' FOR INDICATED STATION RANGE.



SECTION 4

TWIN TRACK AERIAL STRUCTURE LOOKING SOUTHBOUND
 STATIONS 6939+10 TO 6988+00
 STATIONS 6990+00 TO 7036+00
 STATIONS 7048+00 TO 7103+00
 STATIONS 7104+00 TO 7108+00
 STATIONS 7142+00 TO 7156+00
 STATIONS 7159+00 TO 7199+00
 STATIONS 7200+00 TO 7232+00
 STATIONS 7293+40 TO 7299+50
 STATIONS 7302+00 TO 7311+00
 STATIONS 7314+00 TO 7323+00
 STATIONS 7327+00 TO 7407+00
 STATIONS 7410+00 TO 7431+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



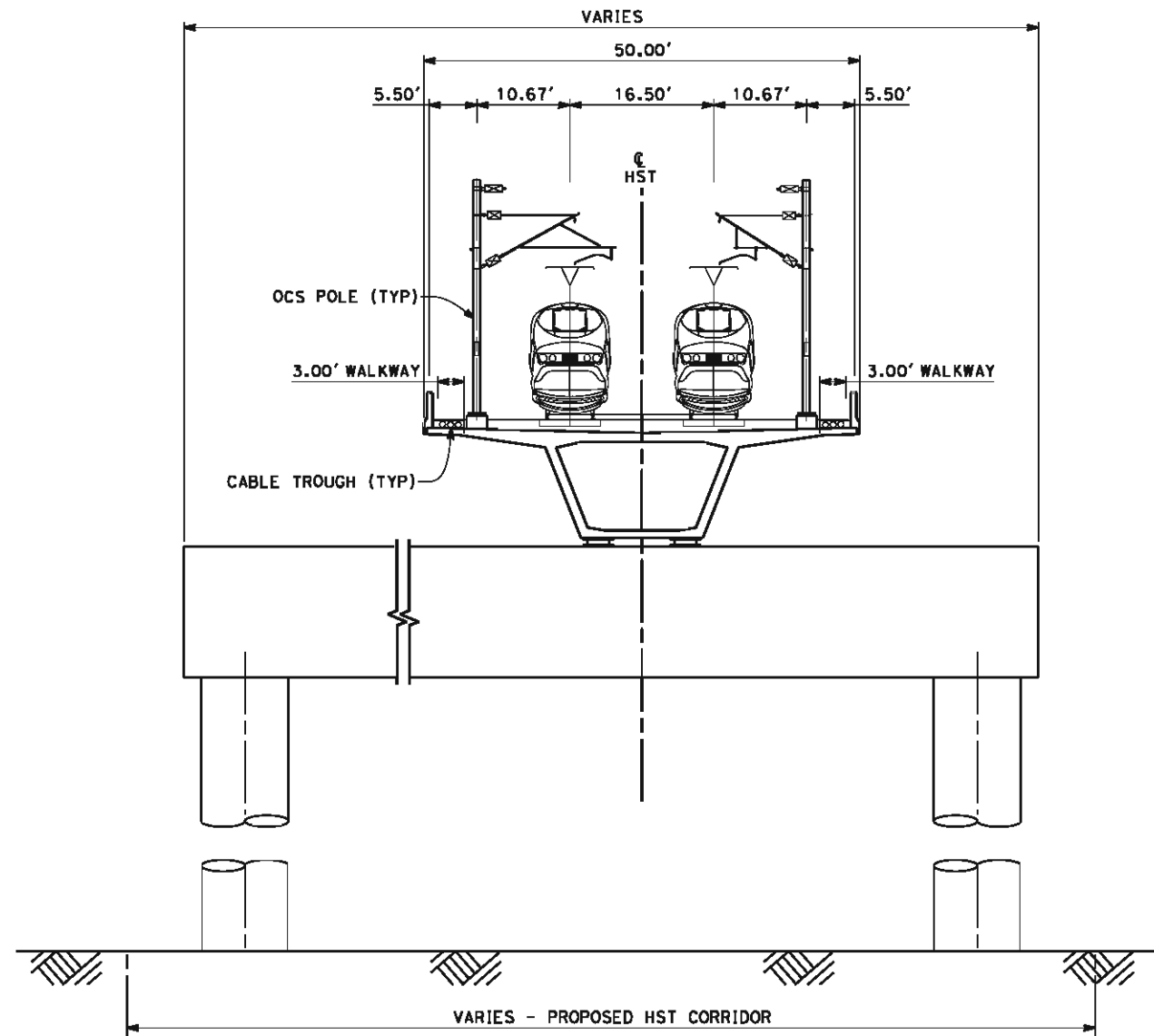
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3704
 SCALE
AS SHOWN
 SHEET NO.
31 OF 36

05/11/2012 14:51:26 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\B1\FB-CB-3705-B1.dgn

NOTES:

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



SECTION 5

TWIN TRACK AERIAL STRUCTURE
 OVERLAPPING PROPOSED WESTSIDE PARKWAY LOOKING SOUTHBOUND
 STATIONS 6988+00 TO 6990+00
 STATIONS 7036+00 TO 7048+00
 STATIONS 7103+00 TO 7104+00
 STATIONS 7125+00 TO 7142+00
 STATIONS 7156+00 TO 7159+00
 STATIONS 7199+00 TO 7200+00
 STATIONS 7407+00 TO 7410+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

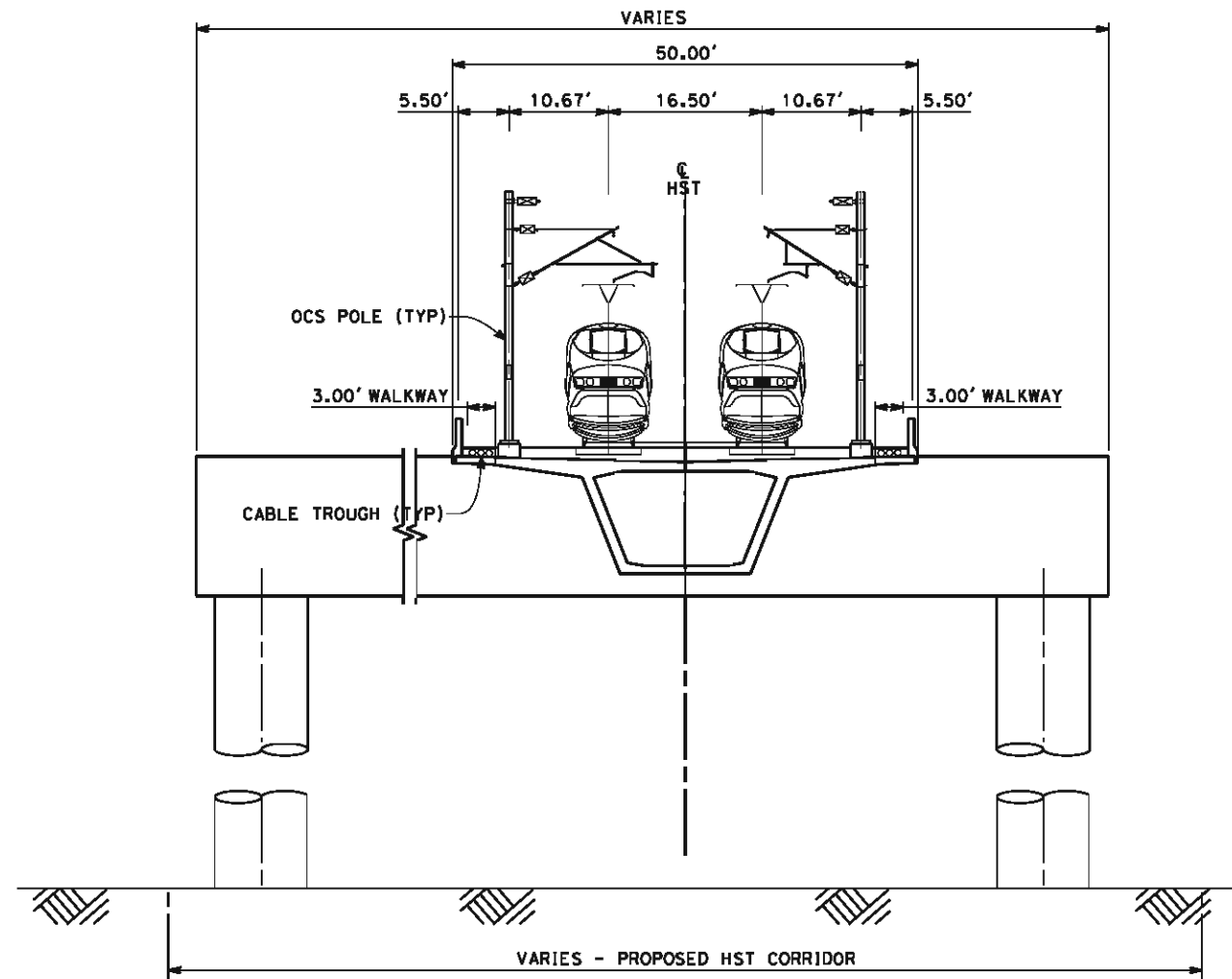


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3705
 SCALE
AS SHOWN
 SHEET NO.
32 OF 36

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.



SECTION 6

SEGMENTAL/CIP TWO TRACK OUTRIGGER SECTION LOOKING SOUTHBOUND
 STATIONS 7108+00 TO 7125+00
 STATIONS 7299+50 TO 7302+00
 STATIONS 7311+00 TO 7314+00
 STATIONS 7323+00 TO 7327+00



05/11/2012 14:51:32 O:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\B1\FB-CB-3706-B1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



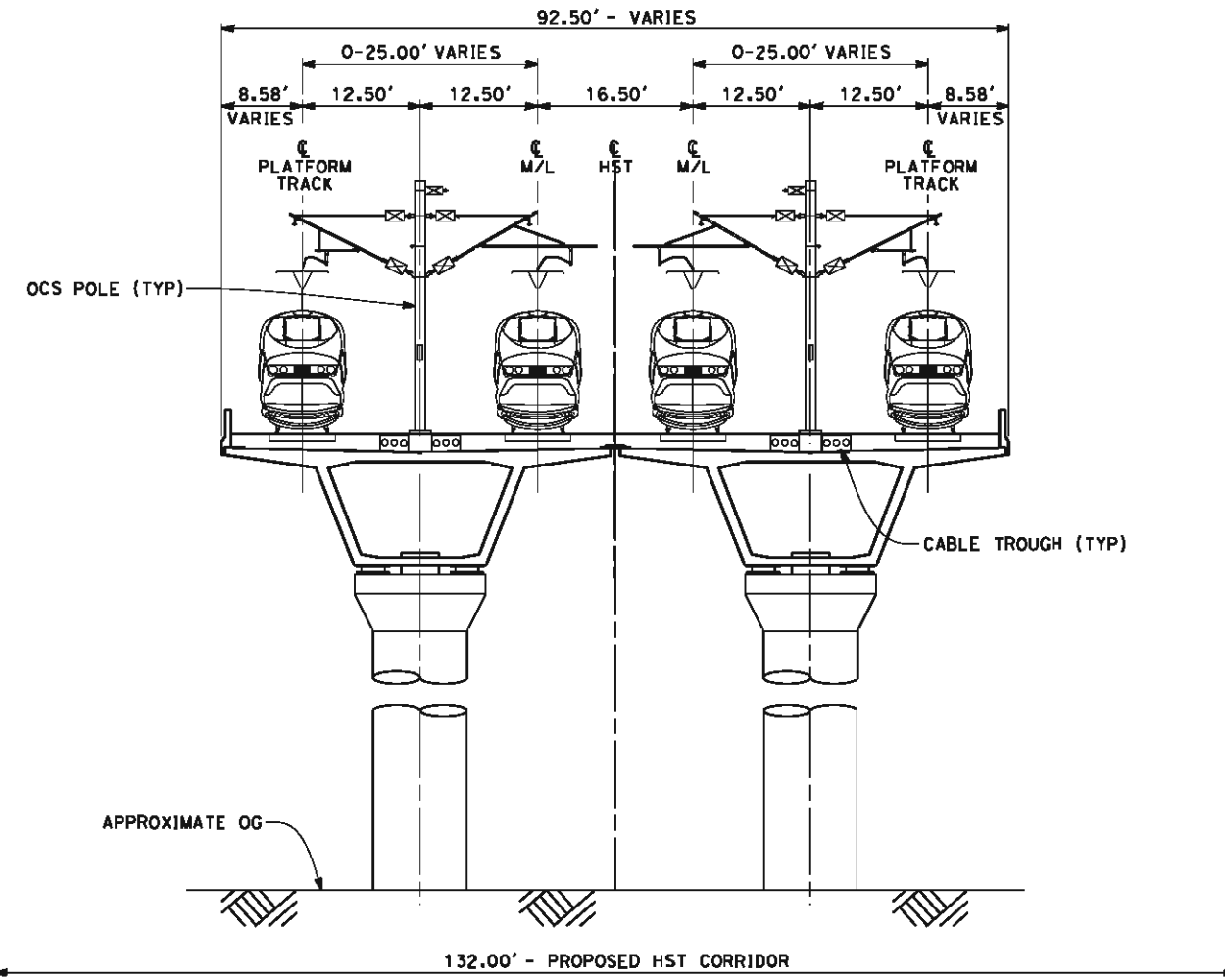
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3706
 SCALE
AS SHOWN
 SHEET NO.
33 OF 36

05/11/2012 14:51:37 O:\131577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-3707-B1.dgn

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' TO 29.50' FOR INDICATED STRUCTURE RANGE.
4. DISTANCE BETWEEN TRACKS VARIES FROM 0.00' TO 25.00+ THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 7

FOUR TRACK STRUCTURE LOOKING SOUTHBOUND
 STATIONS 7232+00 TO 7240+00
 STATIONS 7254+00 TO 7255+85
 STATIONS 7269+95 TO 7293+40



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

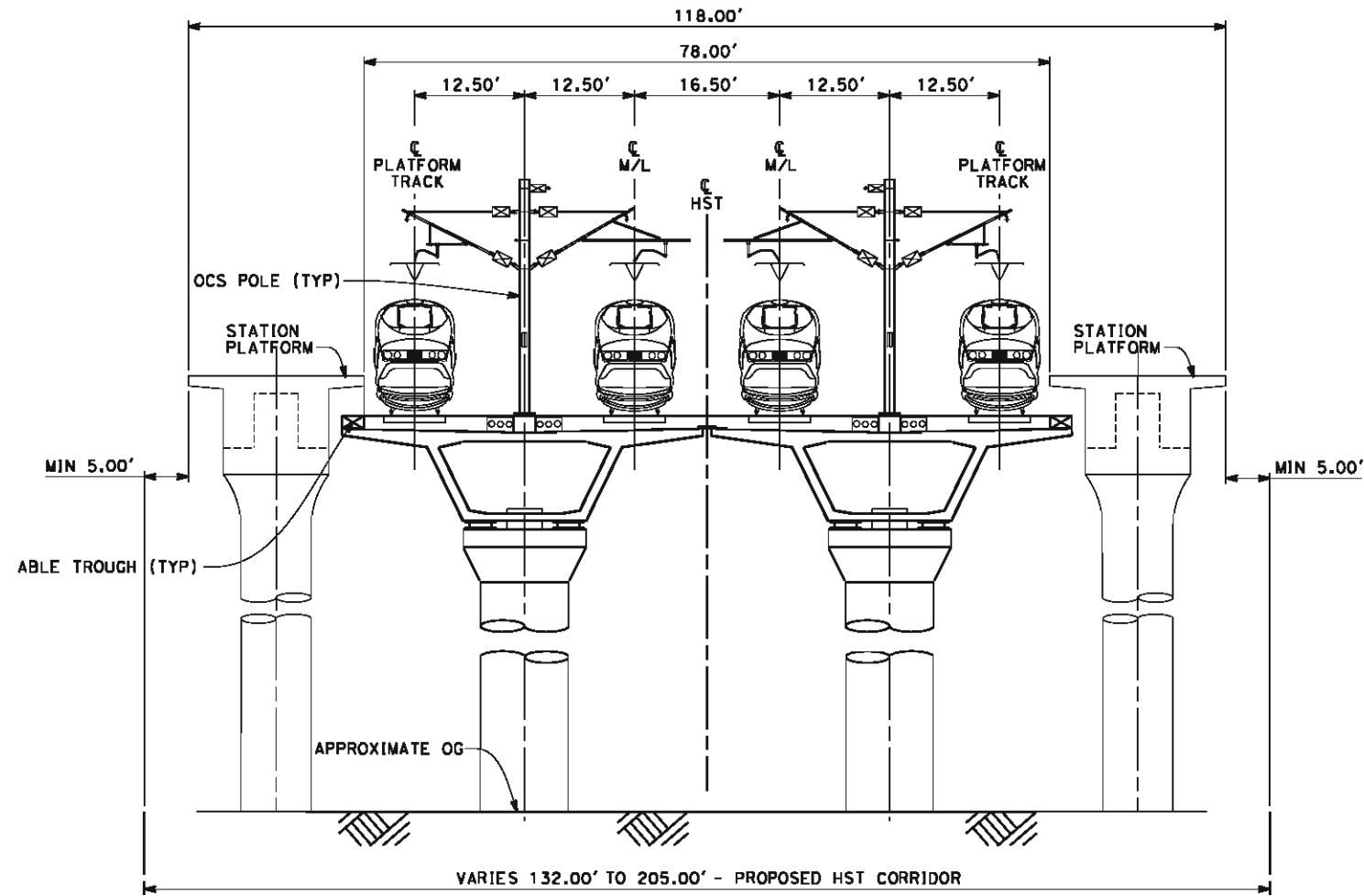


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3707
 SCALE
AS SHOWN
 SHEET NO.
34 OF 36

05/11/2012 14:51:43 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-3708-B1.dgn

- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.



SECTION 8

FOUR TRACK STRUCTURE AT BAKERSFIELD STATION LOOKING SOUTHBOUND
STATIONS 7255+85 TO 7269+95



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
D. WOLLISTON
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B1
 CROSS SECTIONS

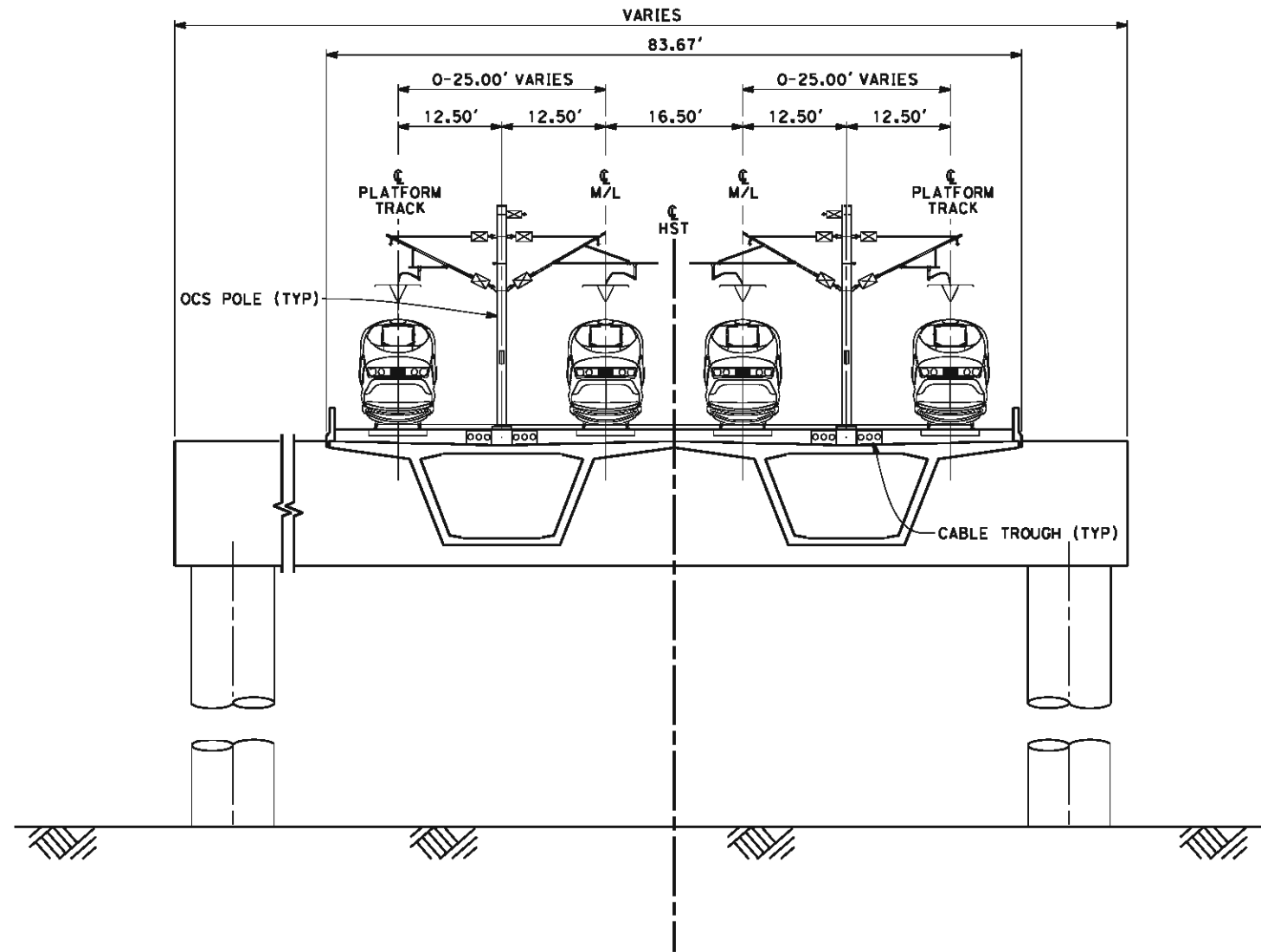
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3708
 SCALE
AS SHOWN
 SHEET NO.
35 OF 36

0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B1\FB-CB-3709-B1.dgn

05/11/2012 14:51:48 alcm-dean

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' TO 18.50' FOR INDICATED STATION RANGE.
4. DISTANCE BETWEEN TRACKS VARIES FROM 0.00' TO 25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 9

SEGMENTAL/CIP 4 TRACK OUTRIGGER SECTION LOOKING SOUTHBOUND
STATIONS 7240+00 TO 7254+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
D. WOLLISTON
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

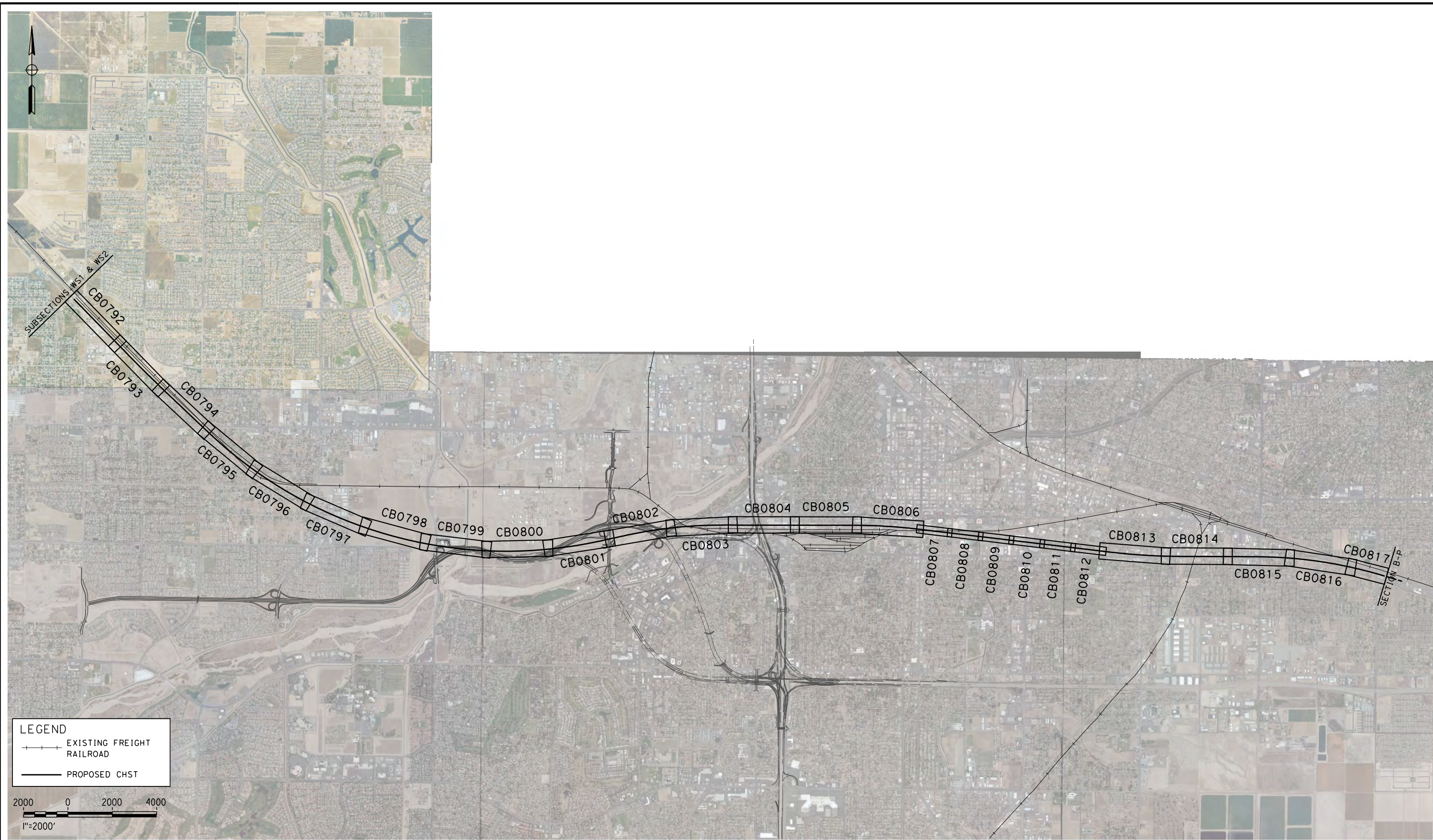
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3709
SCALE
AS SHOWN
SHEET NO.
36 OF 36

5/18/2012 4:53:25 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B2\FB-CB-0791-B2.dgn paul.tonkin



LEGEND

---+---+ EXISTING FREIGHT RAILROAD

———— PROPOSED CHST

2000 0 2000 4000

1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB

DRAWN BY
M. GREEN

CHECKED BY
L. TRUJILLO

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT

FRESNO TO BAKERSFIELD

BAKERSFIELD URBAN SUBSECTION

ALIGNMENT B2

STA. 6799+52.58 TO 7427+00

KEY MAP

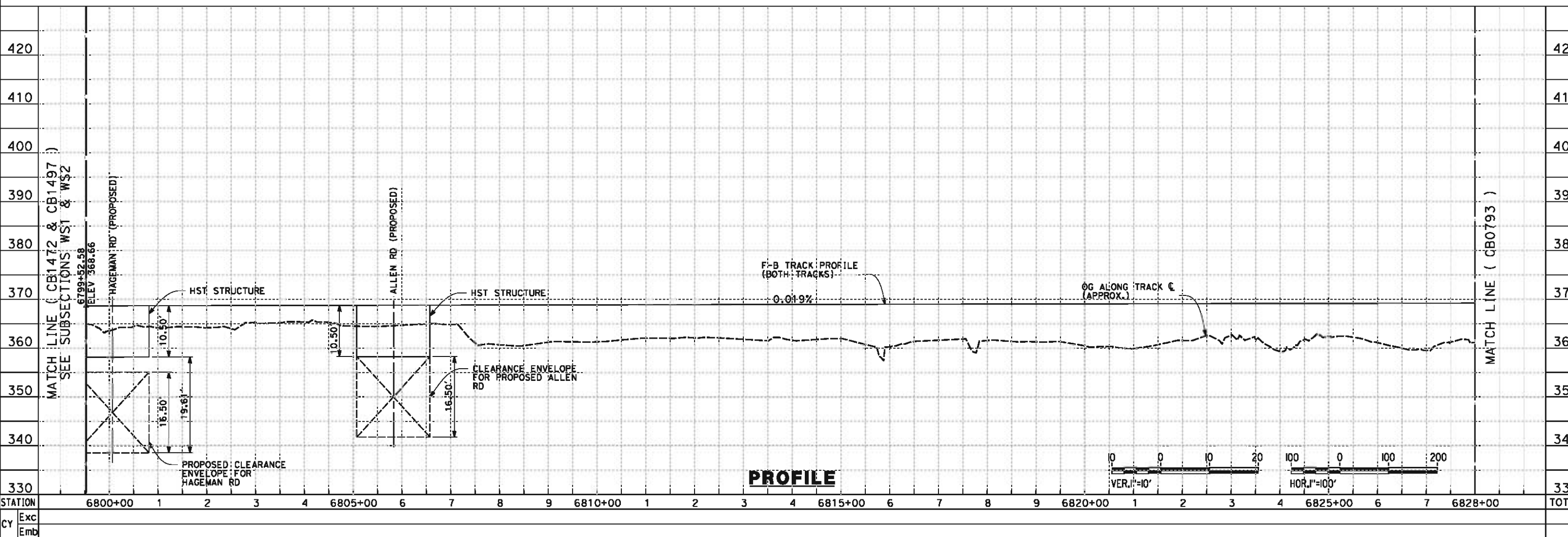
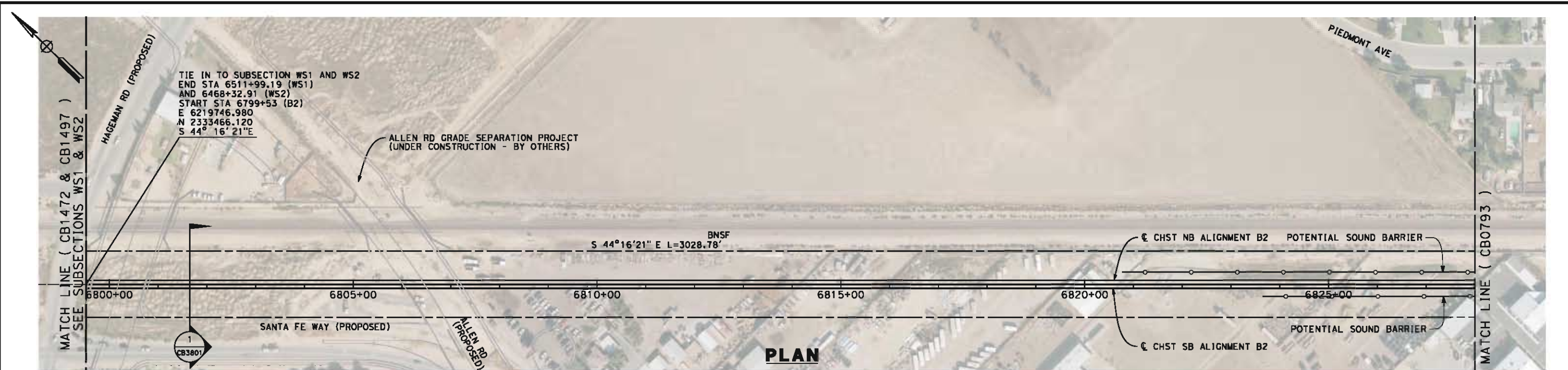
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0791

SCALE
AS SHOWN

SHEET NO.
1 OF 37

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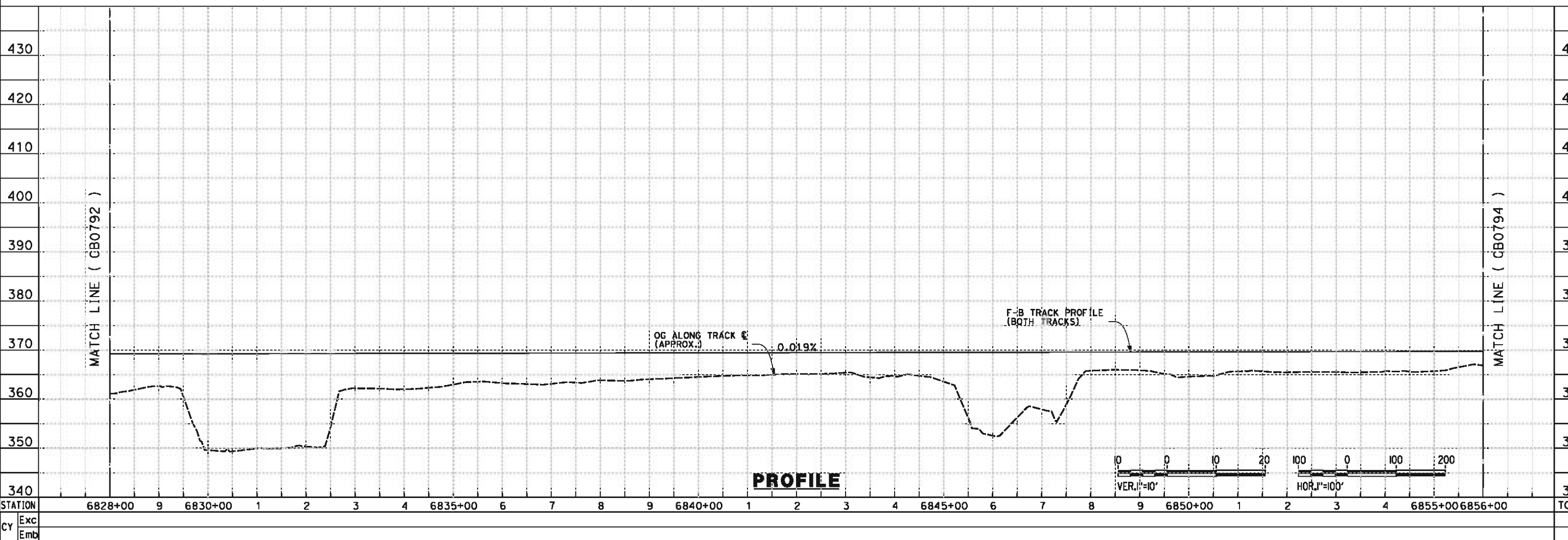
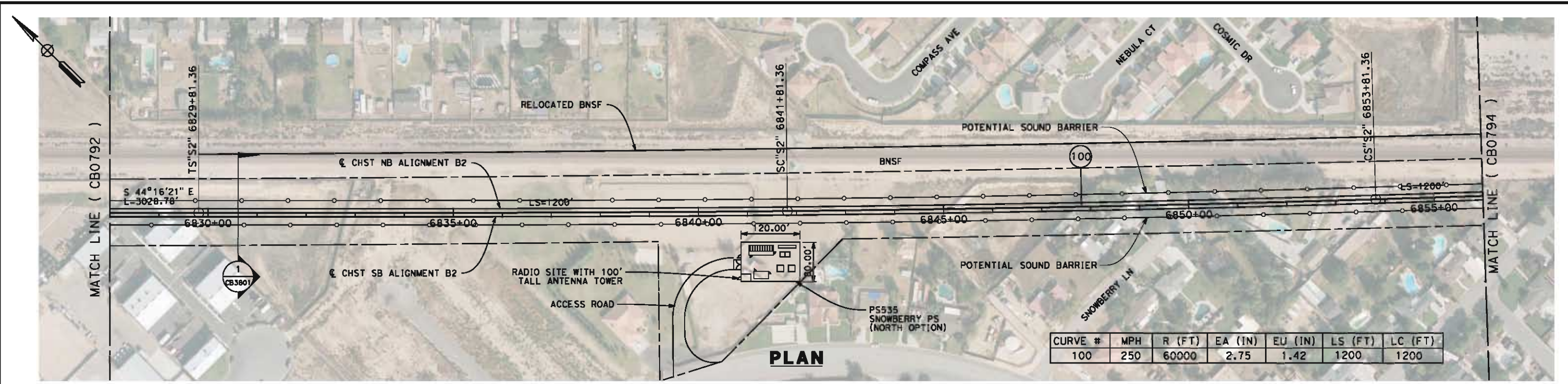


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	Exc																														
	Emb																														

DESIGNED BY J. LIPSCOMB DRAWN BY M. GREEN CHECKED BY L. TRUJILLO IN CHARGE R. COFFIN DATE 06/08/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD BAKERSFIELD URBAN SUBSECTION ALIGNMENT B2 STA. 6799+52.58 TO 6828+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB0792 SCALE AS SHOWN SHEET NO. 2 OF 37
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6/5/2012 6:55:29 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheet\Rail\NB2\FB-CB-0793-B2.dgn paul.tankin



DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

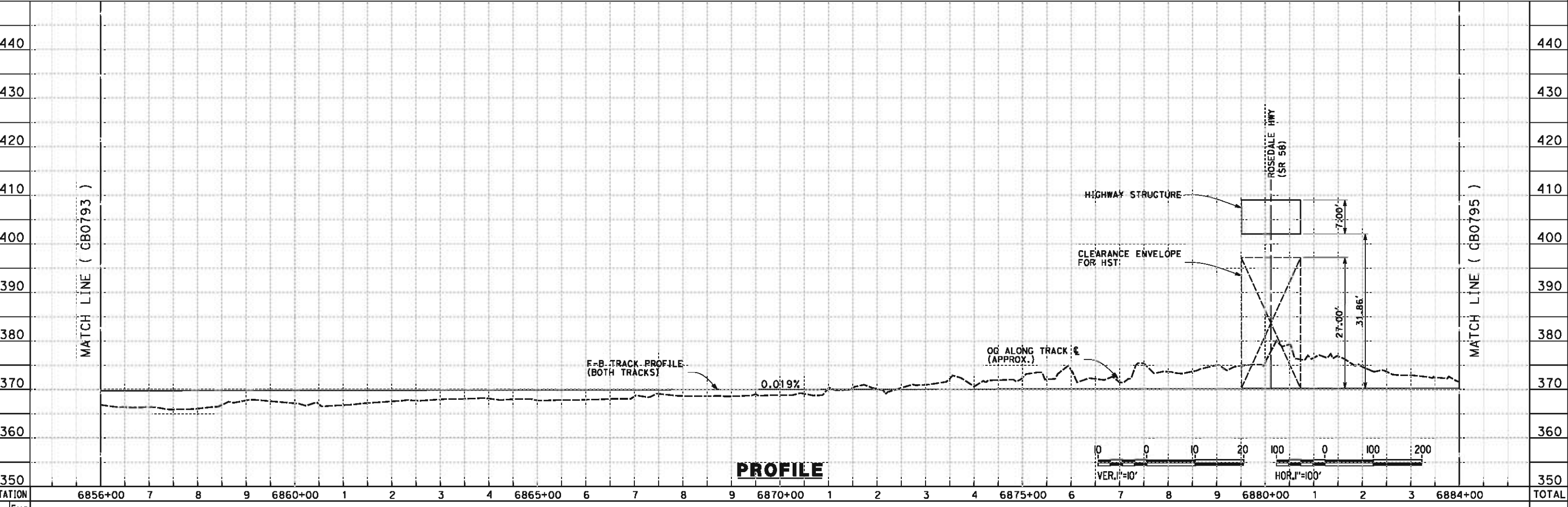
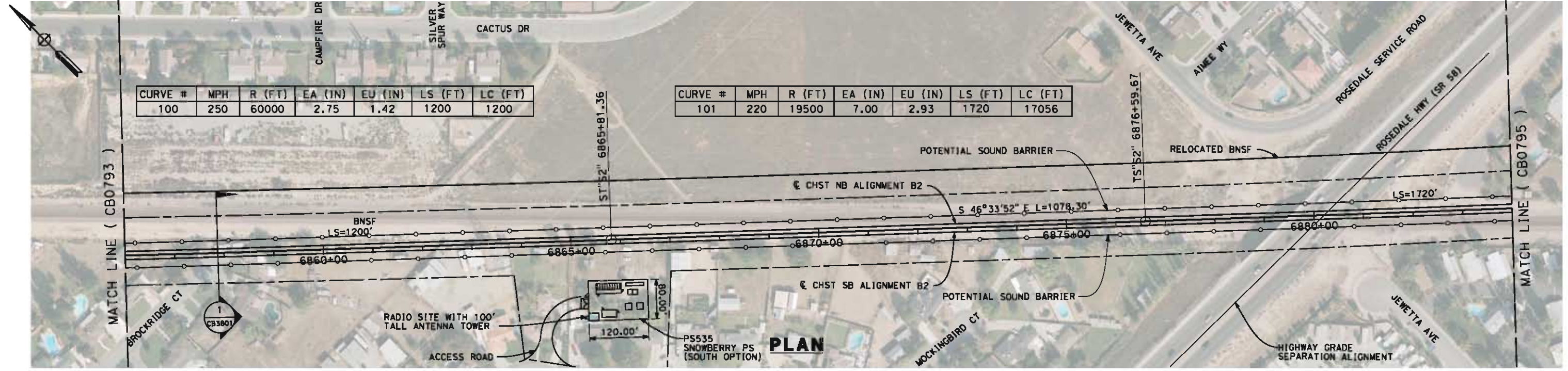


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 STA. 6828+00 TO 6856+00
 PLAN AND PROFILE



CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0793
 SCALE
AS SHOWN
 SHEET NO.
3 OF 37

REV	DATE	BY	CHK	APP	DESCRIPTION

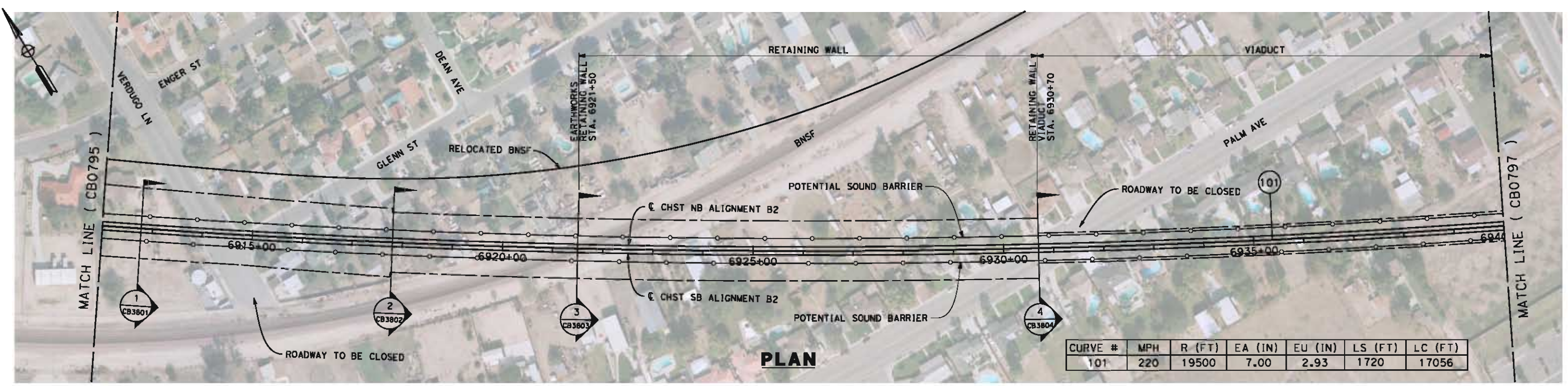
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	STATION	6856+00	7	8	9	6860+00	1	2	3	4	6865+00	6	7	8	9	6870+00	1	2	3	4	6875+00	6	7	8	9	6880+00	1	2	3	6884+00	TOTAL
	CY																														
	Exc																														
	Emb																														

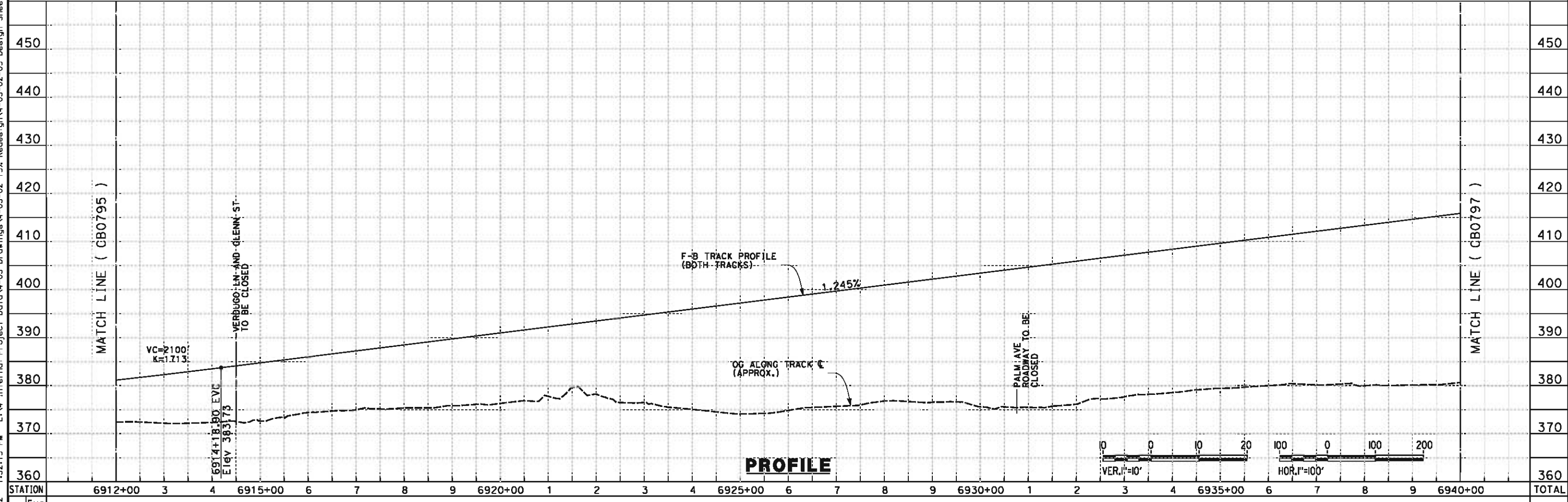
DESIGNED BY J. LIPSCOMB DRAWN BY M. GREEN CHECKED BY L. TRUJILLO IN CHARGE R. COFFIN DATE 06/08/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD BAKERSFIELD URBAN SUBSECTION ALIGNMENT B2 STA. 6856+00 TO 6884+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB0794 SCALE AS SHOWN SHEET NO. 4 OF 37
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19500	7.00	2.93	1720	17056

PLAN



PROFILE



STATION	6912+00	3	4	6915+00	6	7	8	9	6920+00	1	2	3	4	6925+00	6	7	8	9	6930+00	1	2	3	4	6935+00	6	7	8	9	6940+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

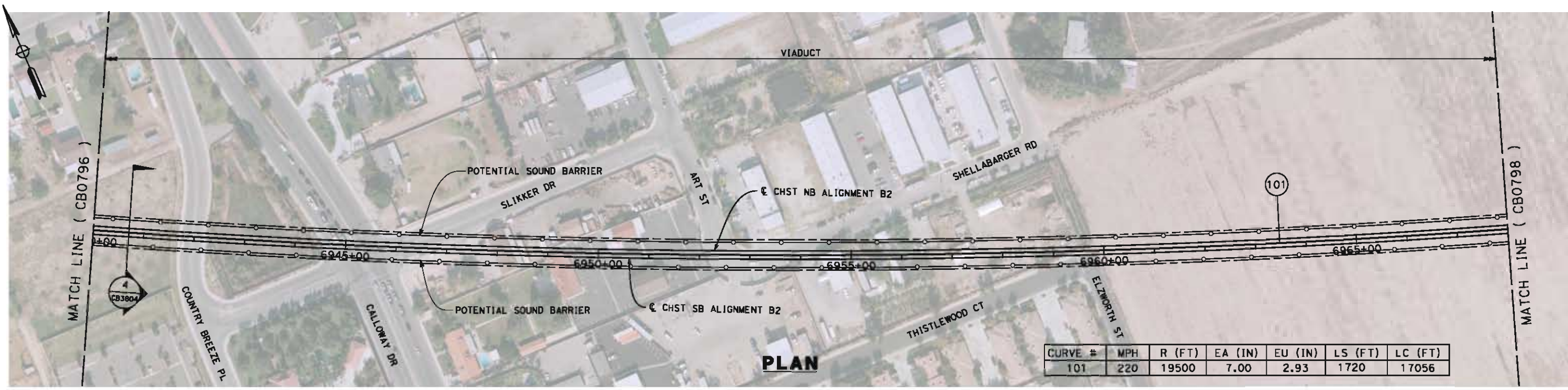
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CONSTRUCTION**



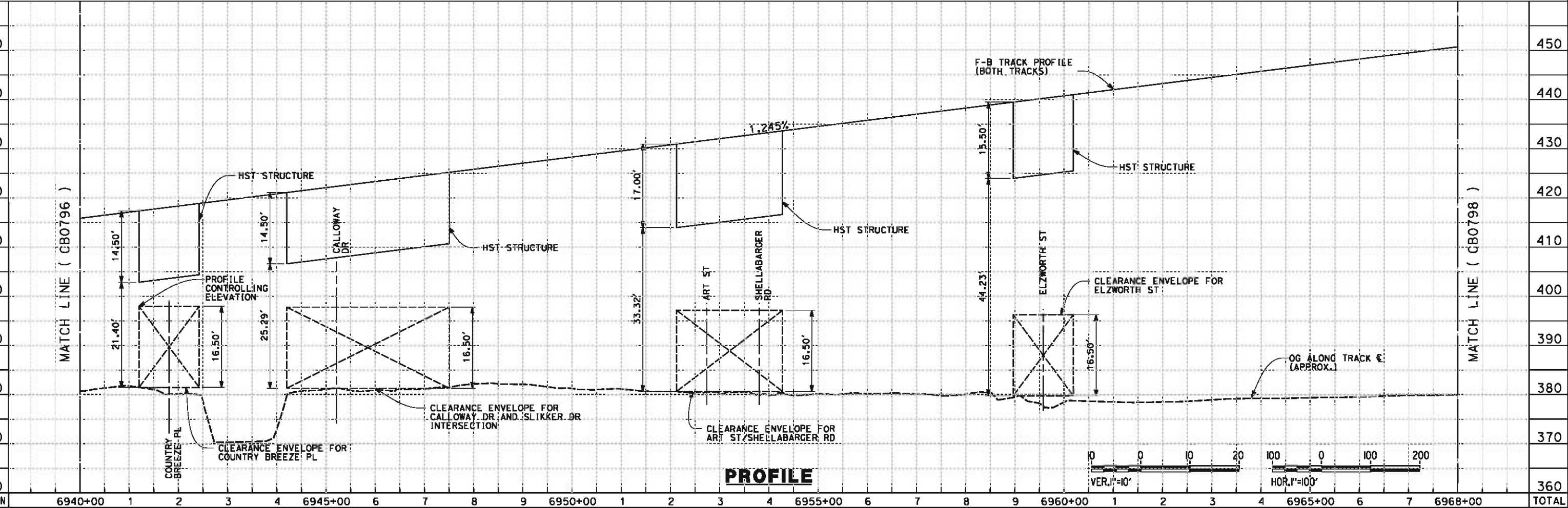
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 STA. 6912+00 TO 6940+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0796
SCALE
AS SHOWN
SHEET NO.
6 OF 37

6/5/2012 7:40:41 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\NB2\FB-CB-0797-B2.dgn paul.tankin



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19500	7.00	2.93	1720	17056



STATION	Exc	Emb	TOTAL
6940+00			
1			
2			
3			
4			
6945+00			
6			
7			
8			
9			
6950+00			
1			
2			
3			
4			
6955+00			
6			
7			
8			
9			
6960+00			
1			
2			
3			
4			
6965+00			
6			
7			
6968+00			
TOTAL			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

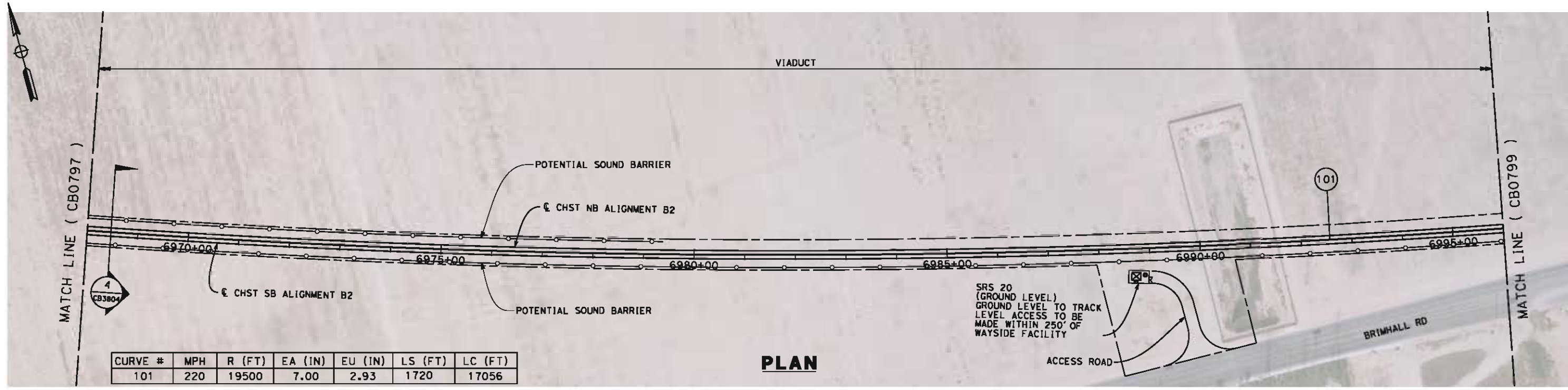
**NOT FOR
CONSTRUCTION**



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

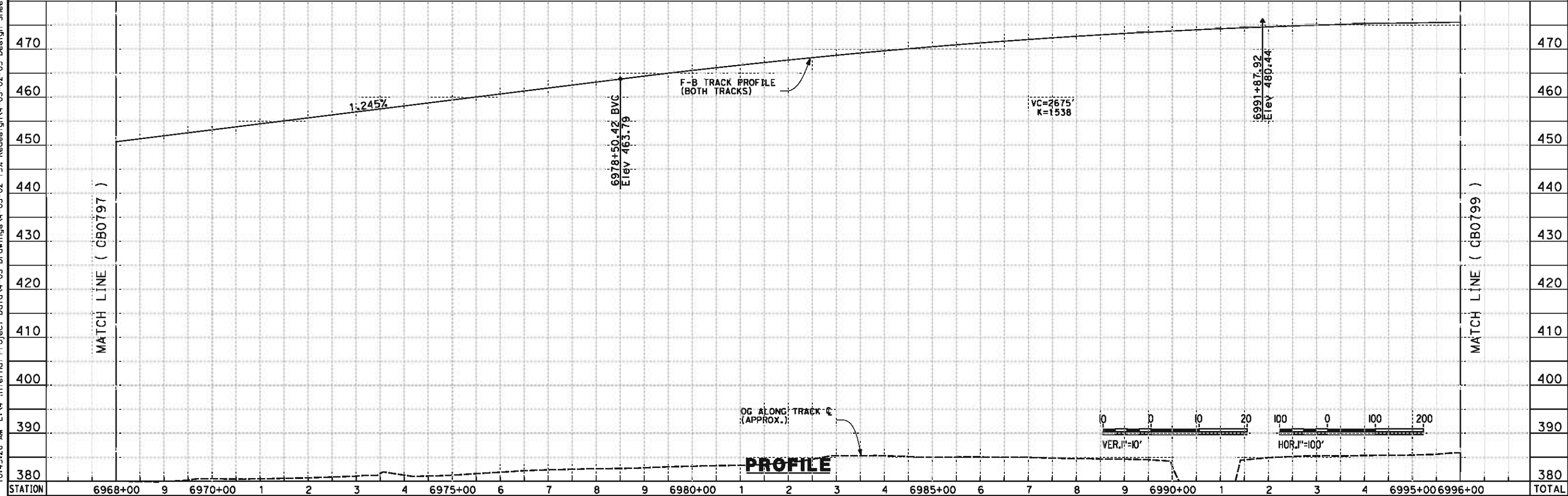
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0797
SCALE
AS SHOWN
SHEET NO.
7 OF 37

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19500	7.00	2.93	1720	17056

PLAN



PROFILE

STATION	6968+00	9	6970+00	1	2	3	4	6975+00	6	7	8	9	6980+00	1	2	3	4	6985+00	6	7	8	9	6990+00	1	2	3	4	6995+00	6996+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

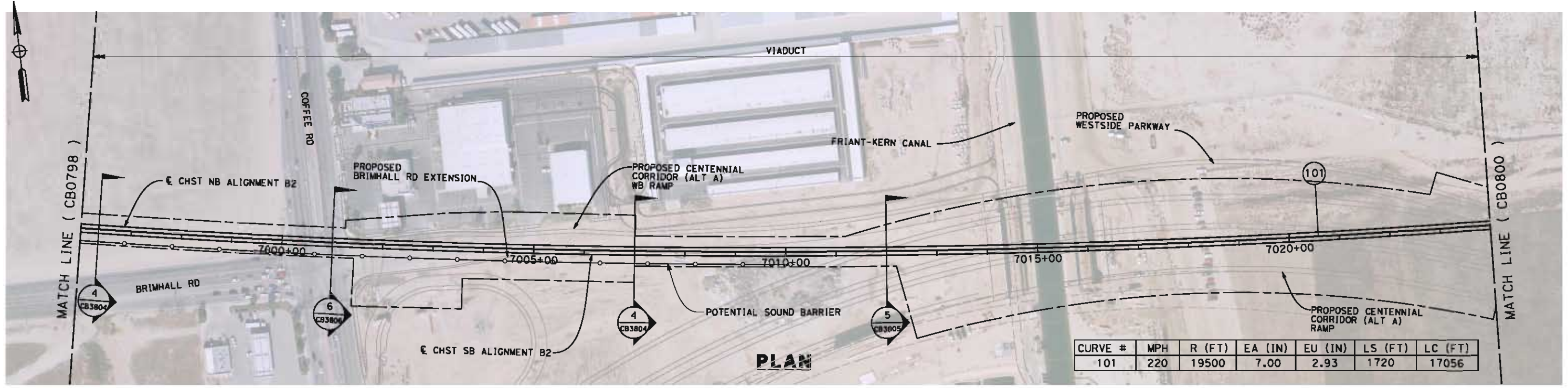
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CONSTRUCTION**



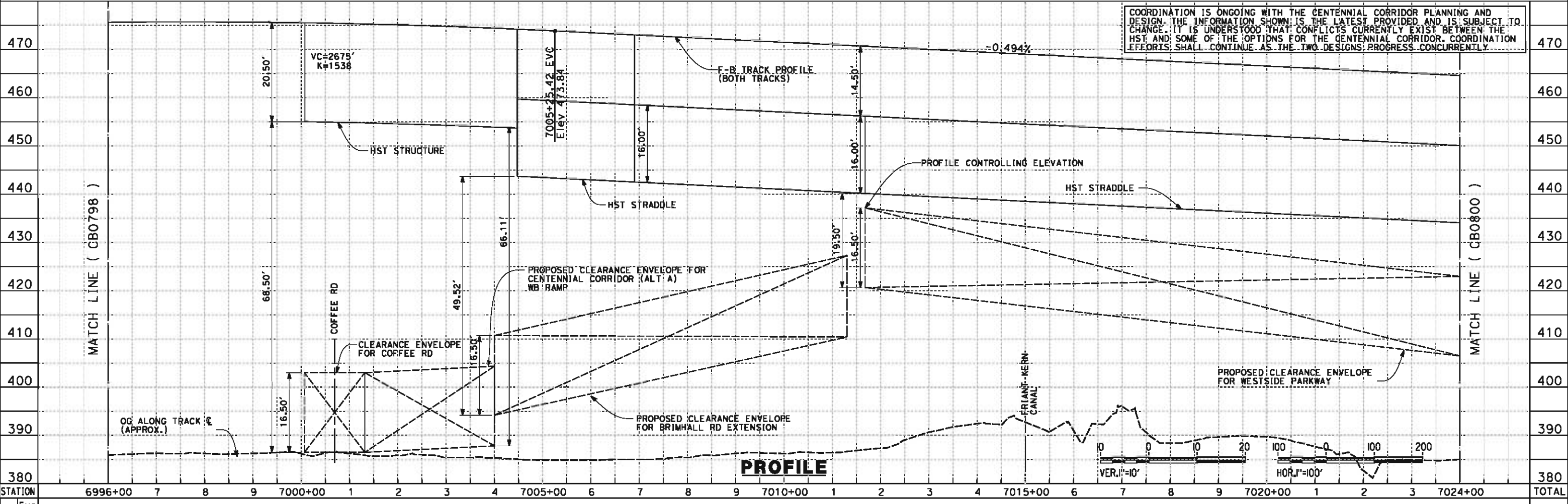
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0798
SCALE
AS SHOWN
SHEET NO.
8 OF 37

6/5/2012 7:58:30 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\B2\FB-CB-0799-B2.dgn paul.tankin



COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

RECORD SET 15%
DESIGN SUBMISSION

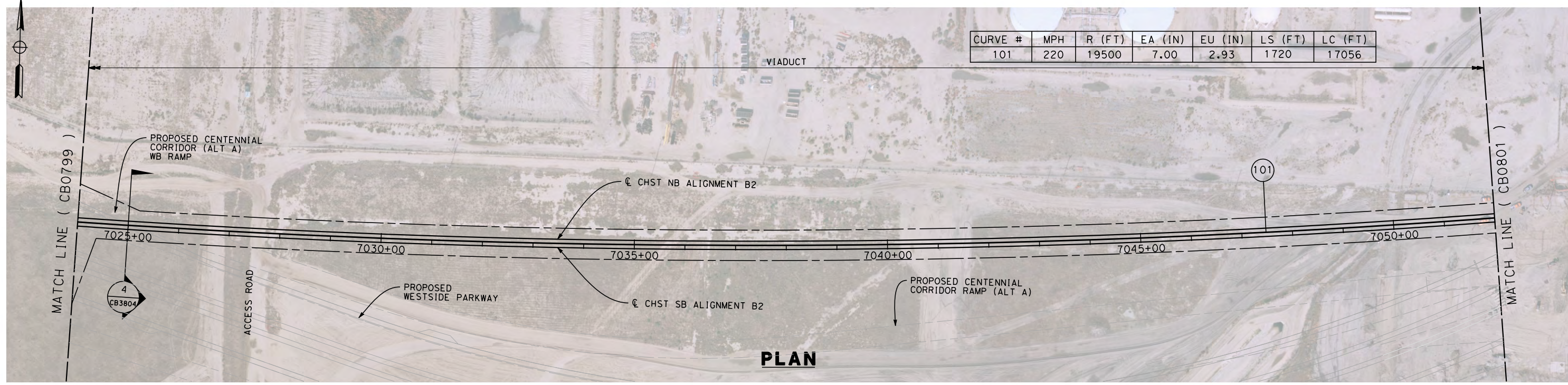
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CONSTRUCTION



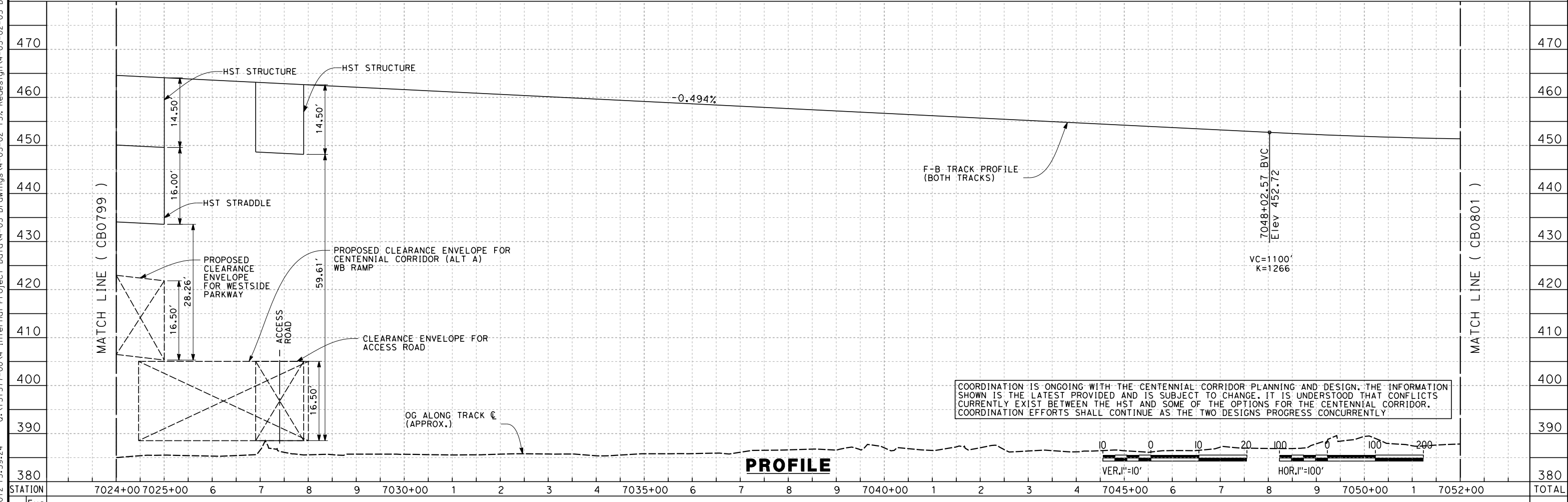
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 6996+00 TO 7024+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0799
SCALE
AS SHOWN
SHEET NO.
9 OF 37

05/11/2012 15:59:24 0:\1\315177-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B2\FB-CB-0800-B2.dgn alan.dean



PLAN



PROFILE

STATION	7024+00	7025+00	6	7	8	9	7030+00	1	2	3	4	7035+00	6	7	8	9	7040+00	1	2	3	4	7045+00	6	7	8	9	7050+00	1	7052+00	TOTAL
CY	Exc																													
	Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7024+00 TO 7052+00
PLAN AND PROFILE

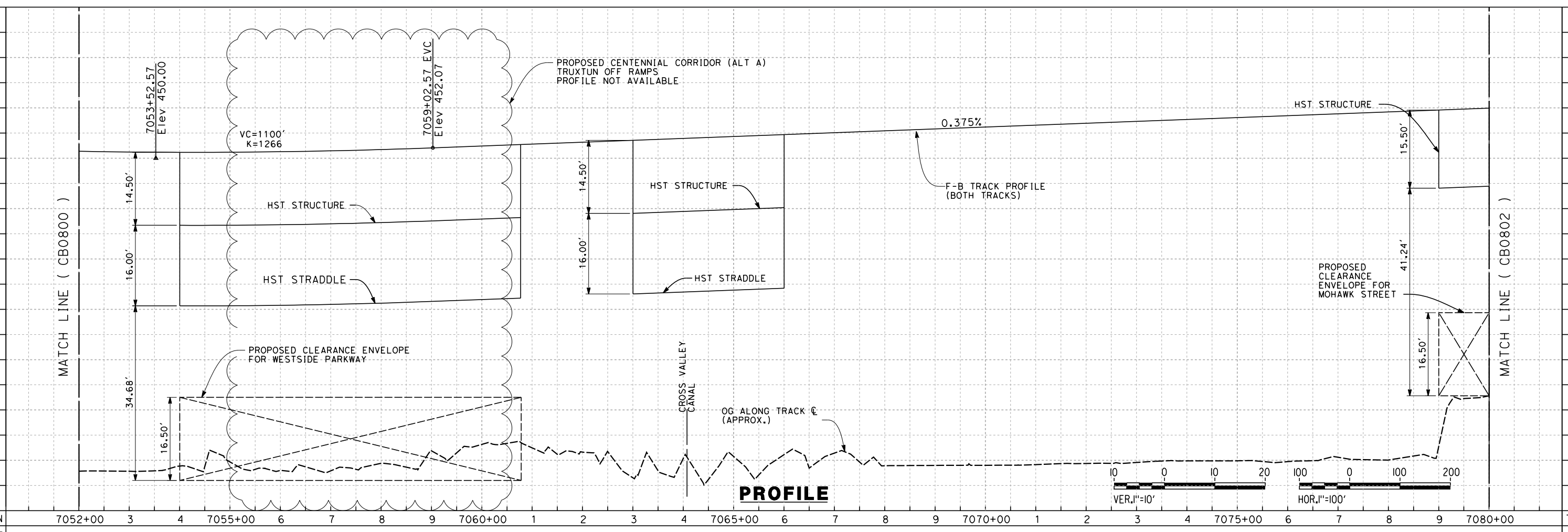
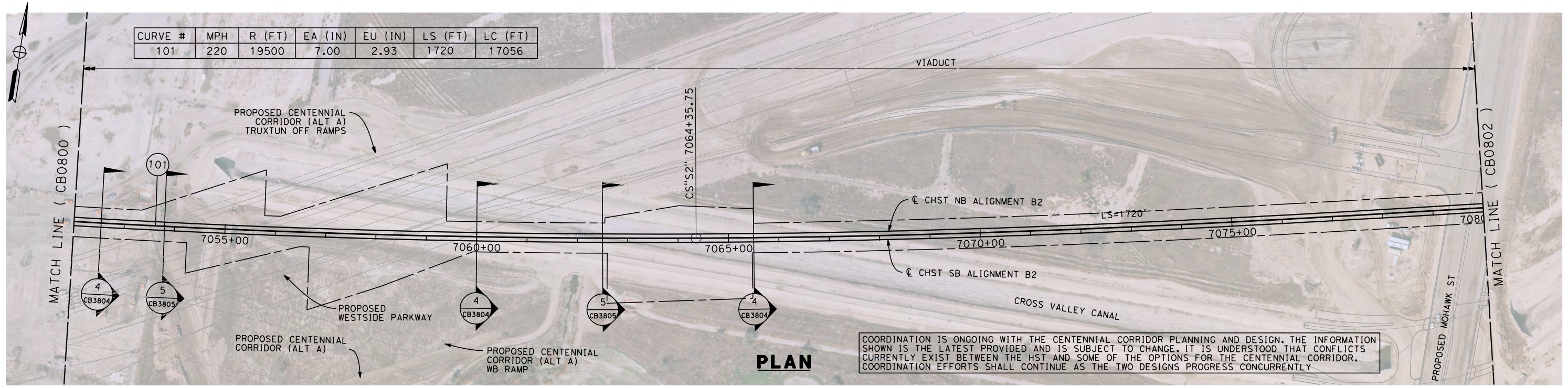
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0800

SCALE
AS SHOWN

SHEET NO.
10 OF 37

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



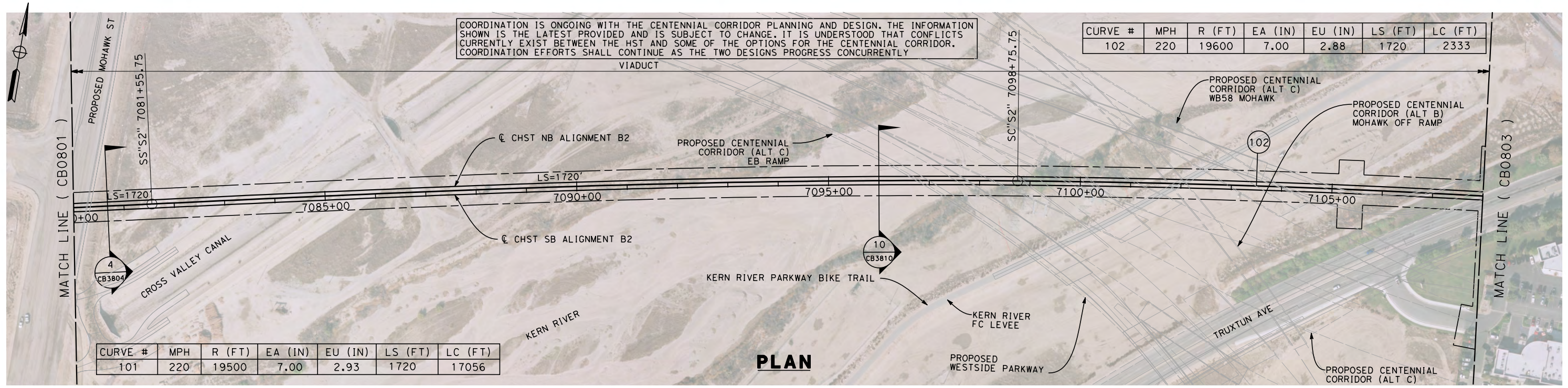
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7052+00 TO 7080+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0801
SCALE
AS SHOWN
SHEET NO.
11 OF 37

05/11/2012 15:59:43 0:\1315177-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\B2\FB-CB-0802-B2.dgn alan.dean

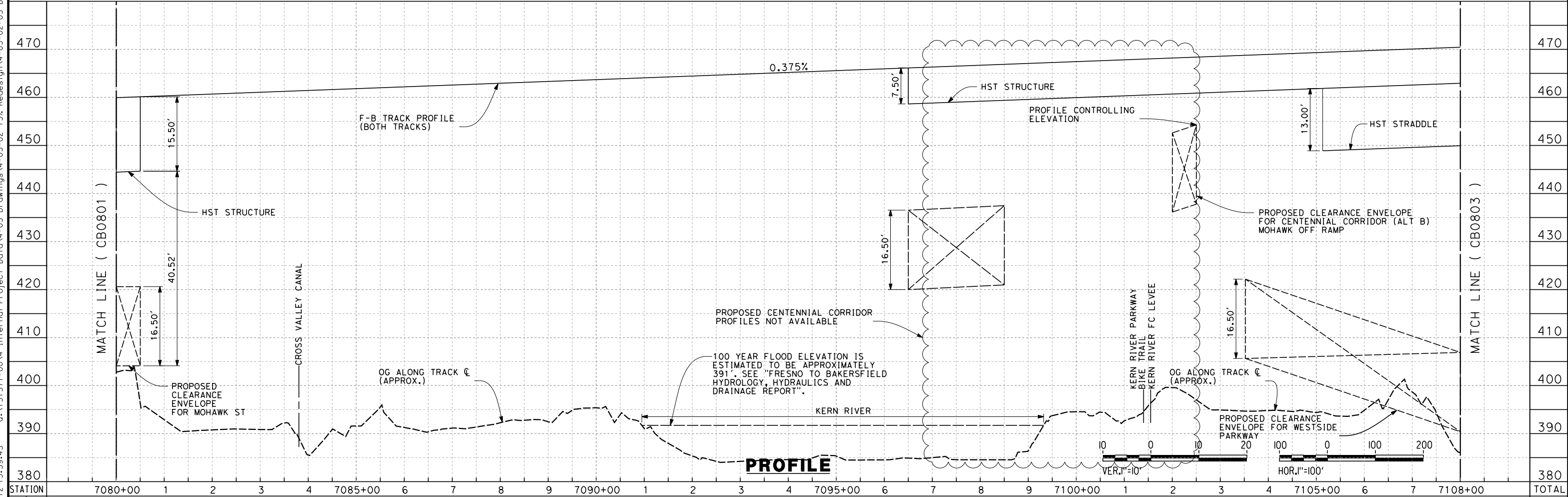
COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	220	19600	7.00	2.88	1720	2333



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
101	220	19500	7.00	2.93	1720	17056

PLAN



PROFILE

STATION	Exc	Emb	TOTAL
7080+00			
1			
2			
3			
4			
7085+00			
6			
7			
8			
9			
7090+00			
1			
2			
3			
4			
7095+00			
6			
7			
8			
9			
7100+00			
1			
2			
3			
4			
7105+00			
6			
7			
7108+00			
TOTAL			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

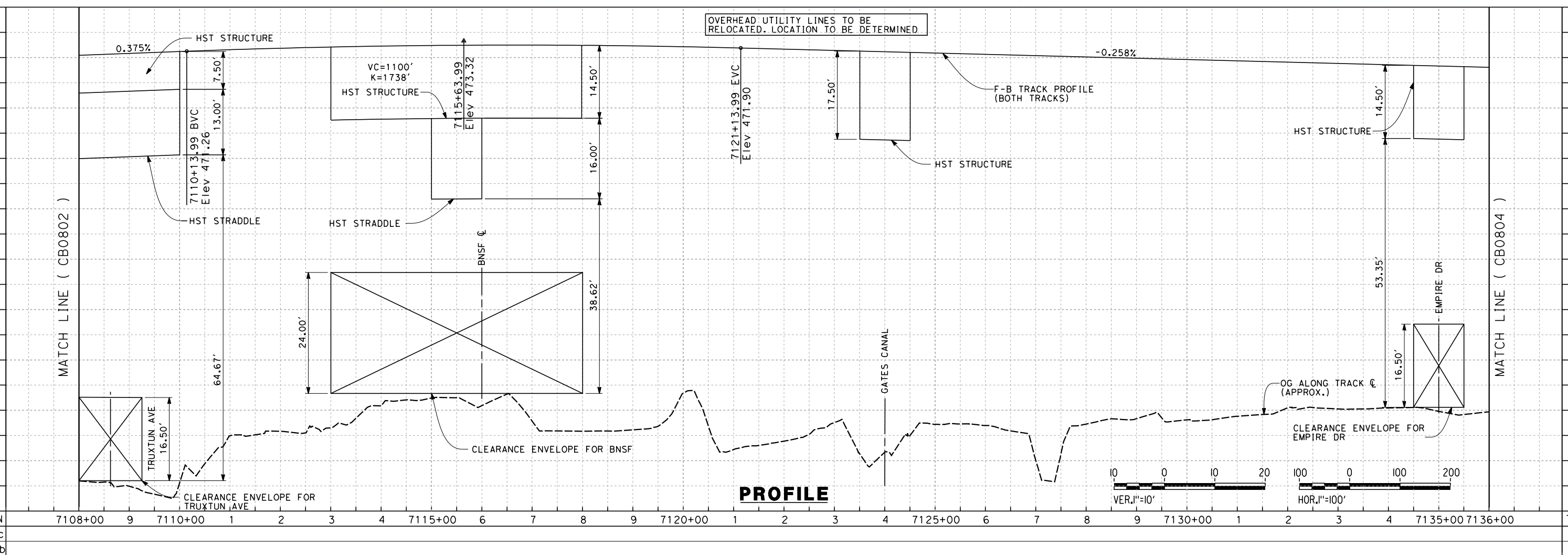
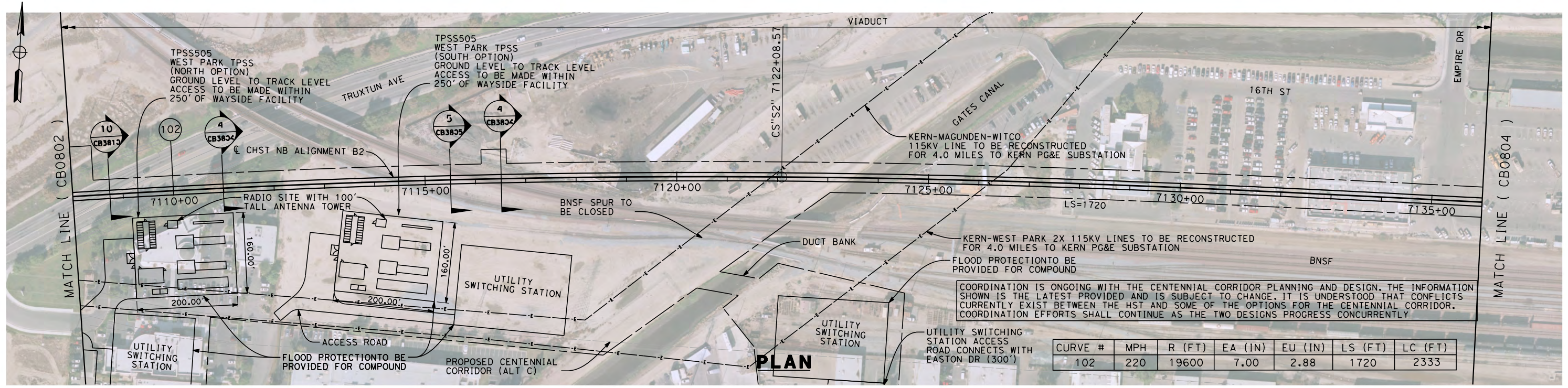
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0802
SCALE
AS SHOWN
SHEET NO.
12 OF 37

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

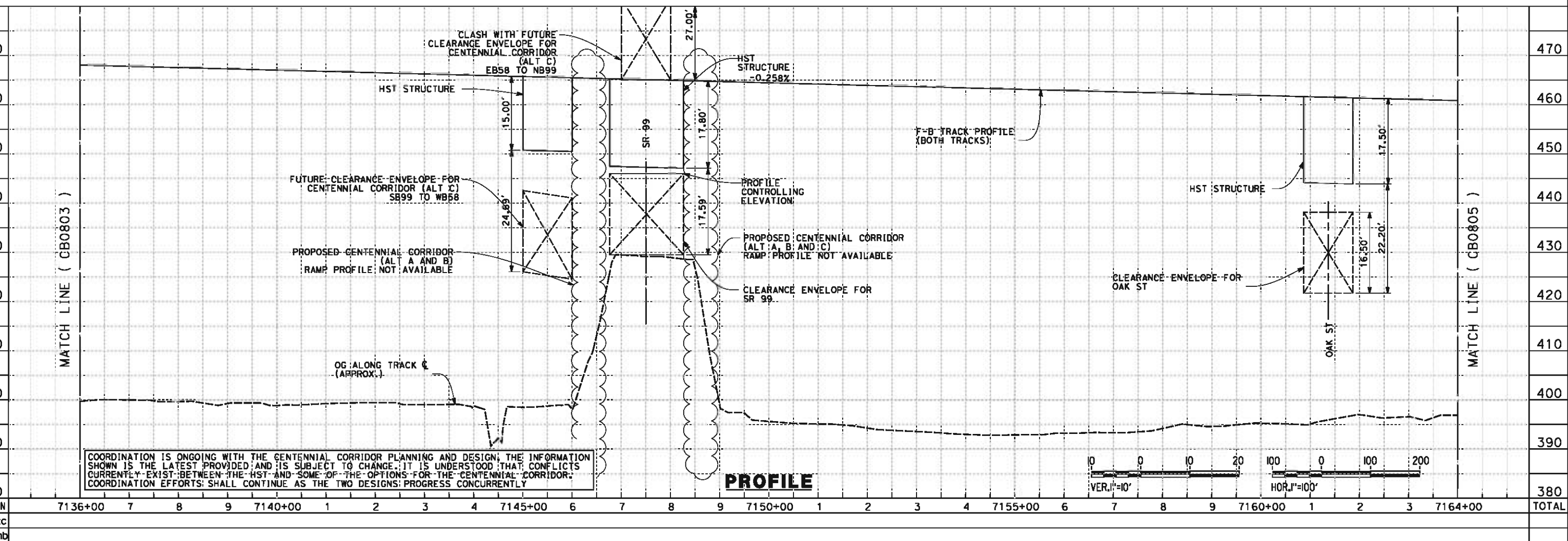
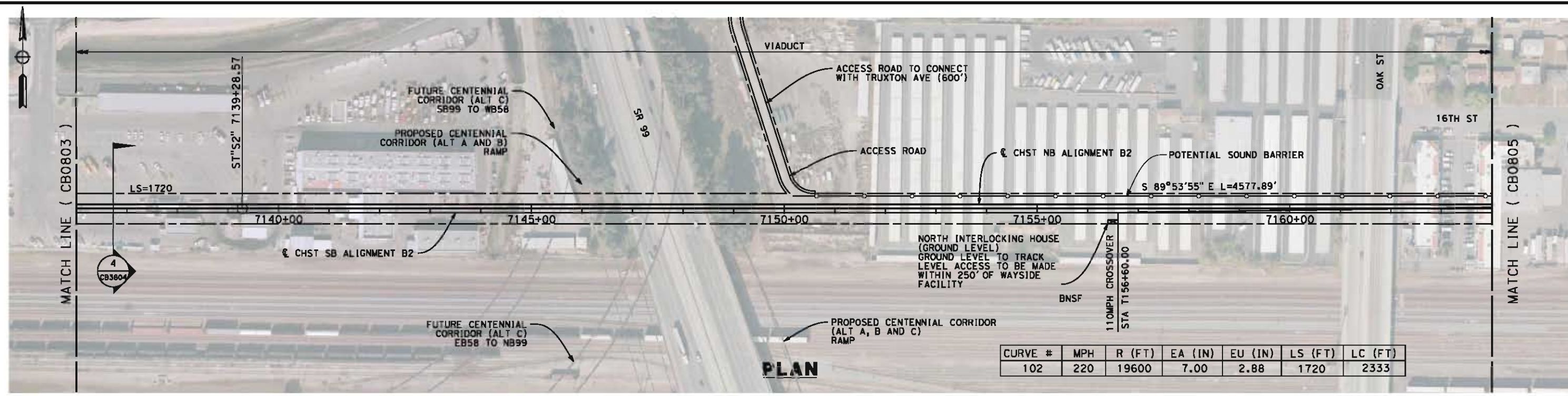


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7108+00 TO 7136+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0803
SCALE
AS SHOWN
SHEET NO.
13 OF 37

6/5/2012 8:16:23 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\NB2\FB-CB-0804-B2.dgn paul.tankin



COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

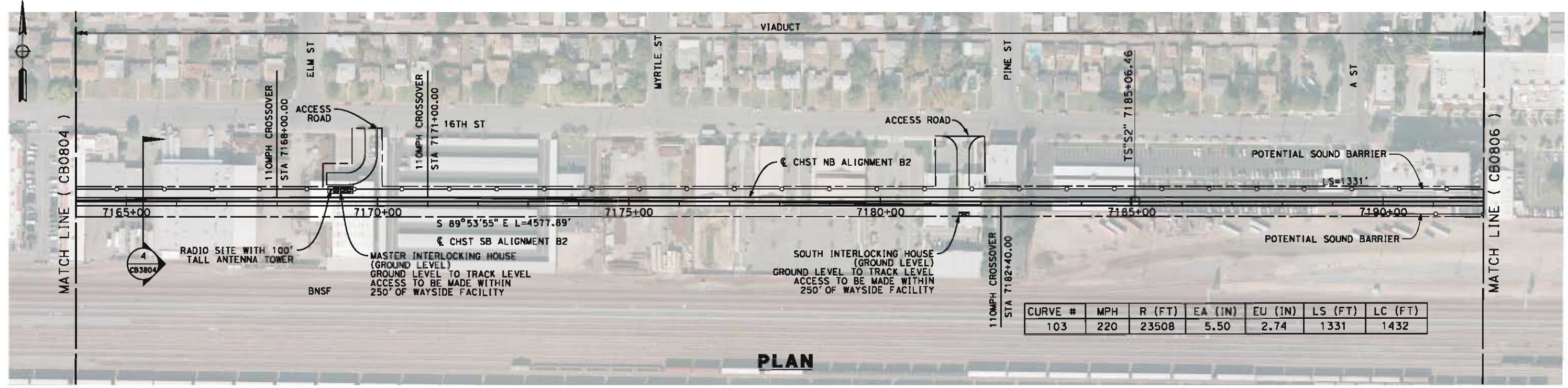
**NOT FOR
CONSTRUCTION**



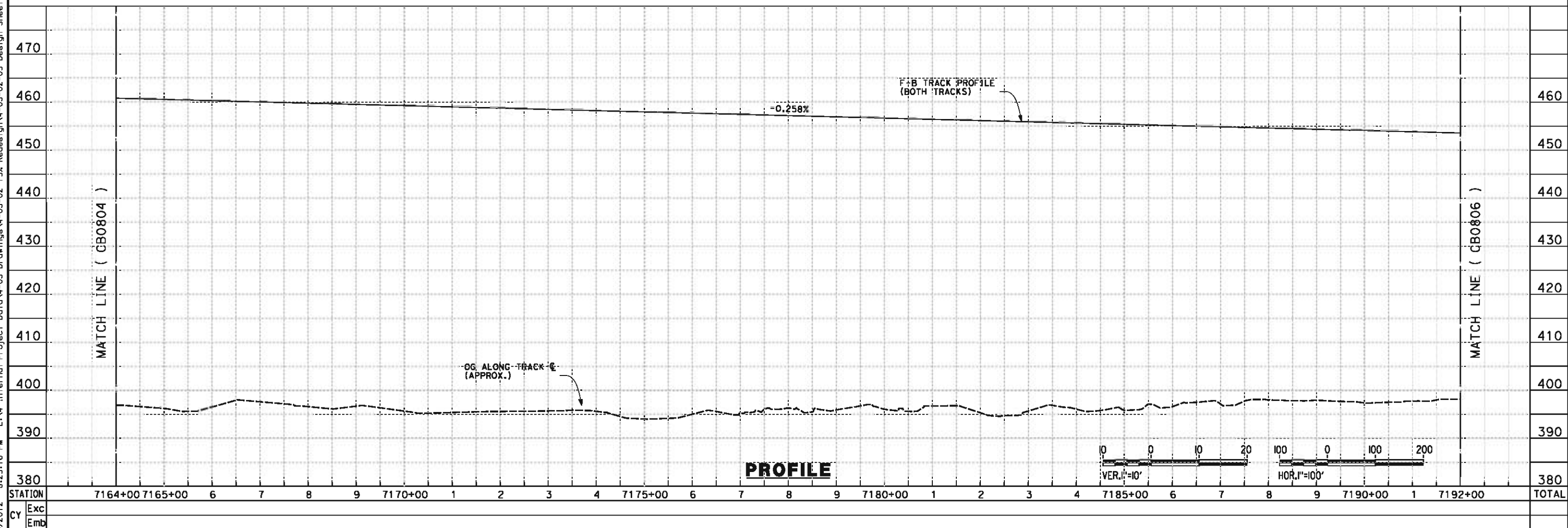
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7136+00 TO 7164+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0804
SCALE
AS SHOWN
SHEET NO.
14 OF 37

6/5/2012 8:25:16 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\B2\FB-CB-0805-B2.dgn



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

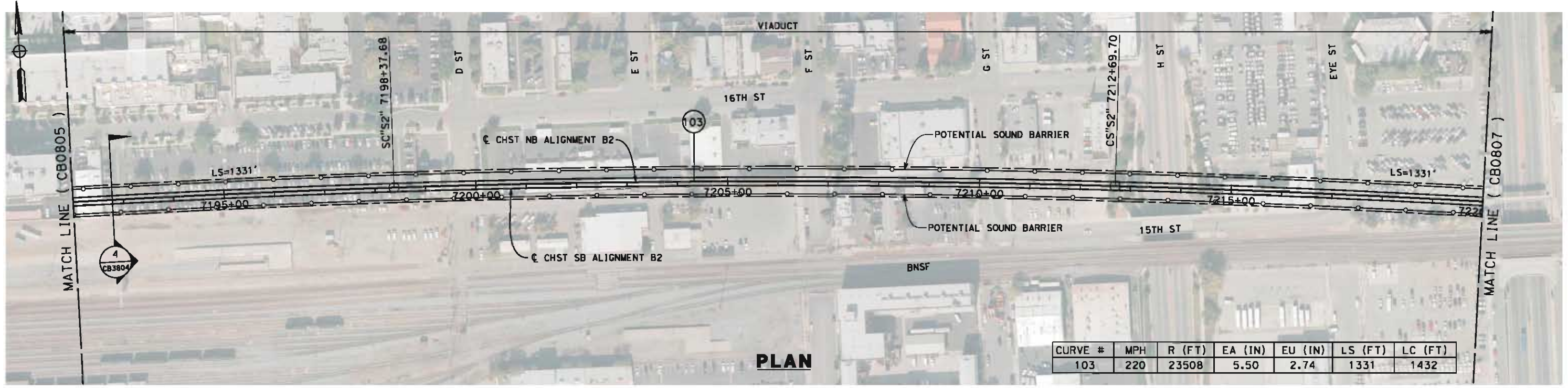


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

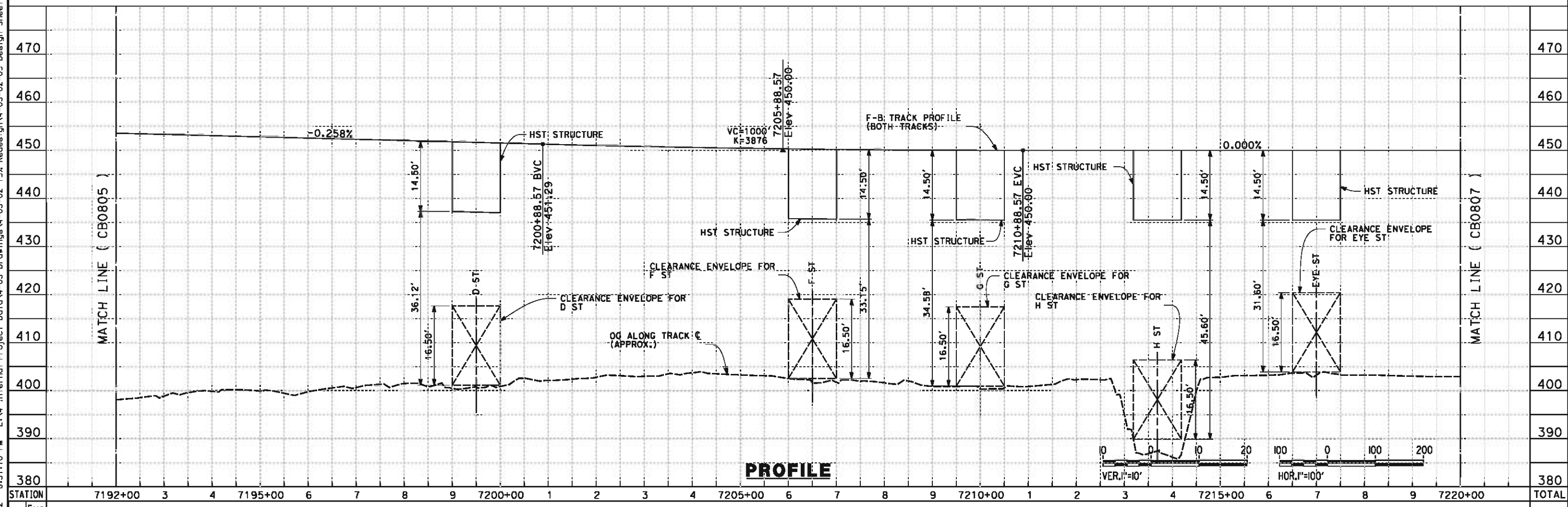
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7164+00 TO 7192+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0805
SCALE
AS SHOWN
SHEET NO.
15 OF 37

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PLAN



PROFILE

STATION	7192+00	3	4	7195+00	6	7	8	9	7200+00	1	2	3	4	7205+00	6	7	8	9	7210+00	1	2	3	4	7215+00	6	7	8	9	7220+00	TOTAL
CY Exc																														
CY Emb																														

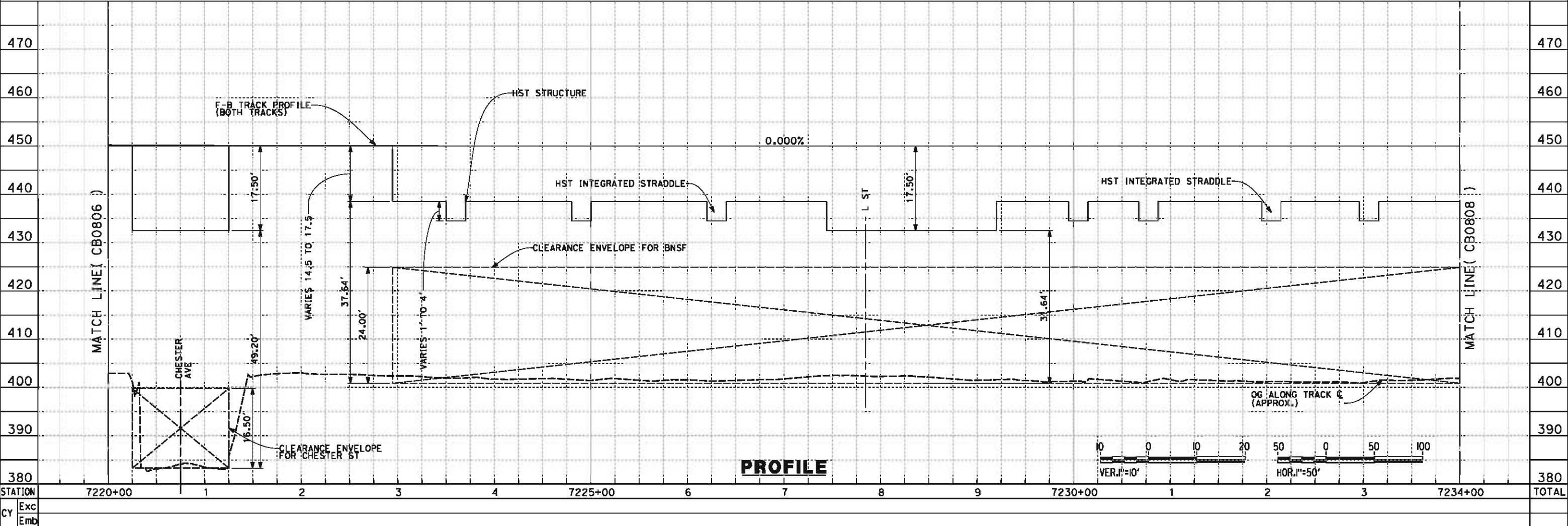
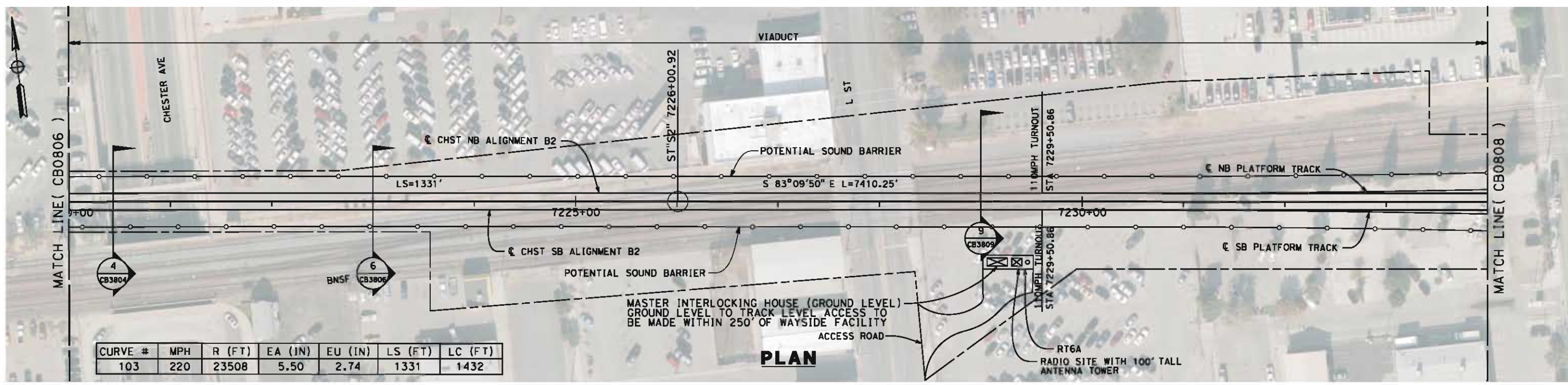
DESIGNED BY J. LIPSCOMB	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION
DRAWN BY M. GREEN	
CHECKED BY L. TRUJILLO	
IN CHARGE R. COFFIN	
DATE 06/08/12	

URS | HMM | ARUP

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

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0806
SCALE AS SHOWN
SHEET NO. 16 OF 37

6/6/2012 11:24:51 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB\FB-CB-0807-B2.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

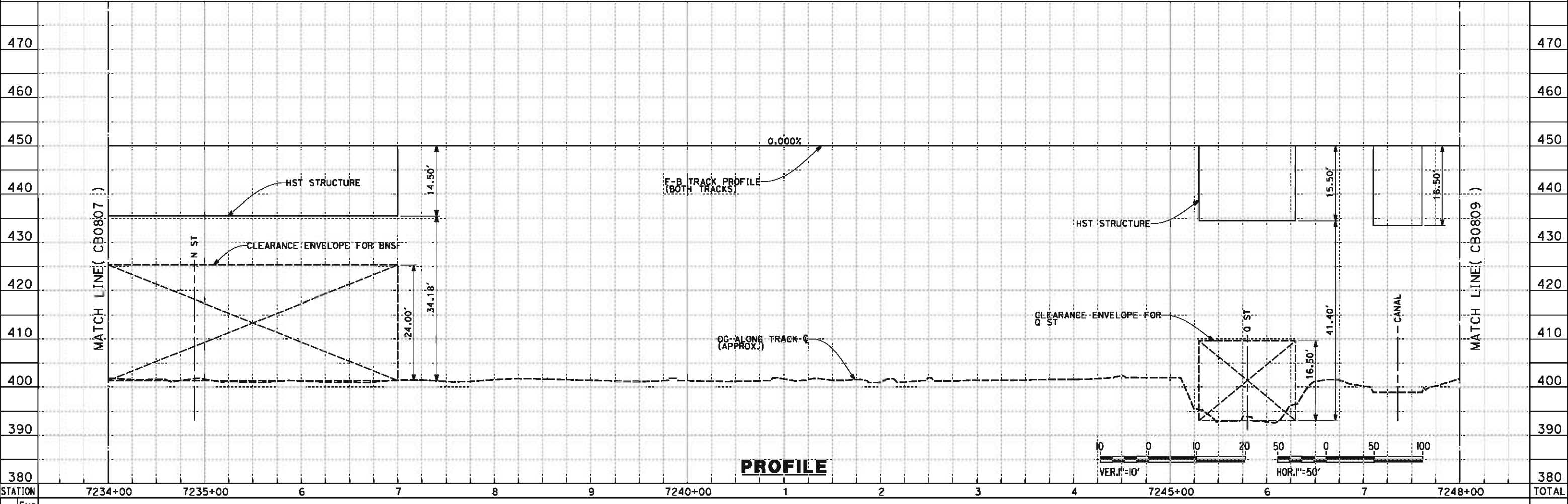
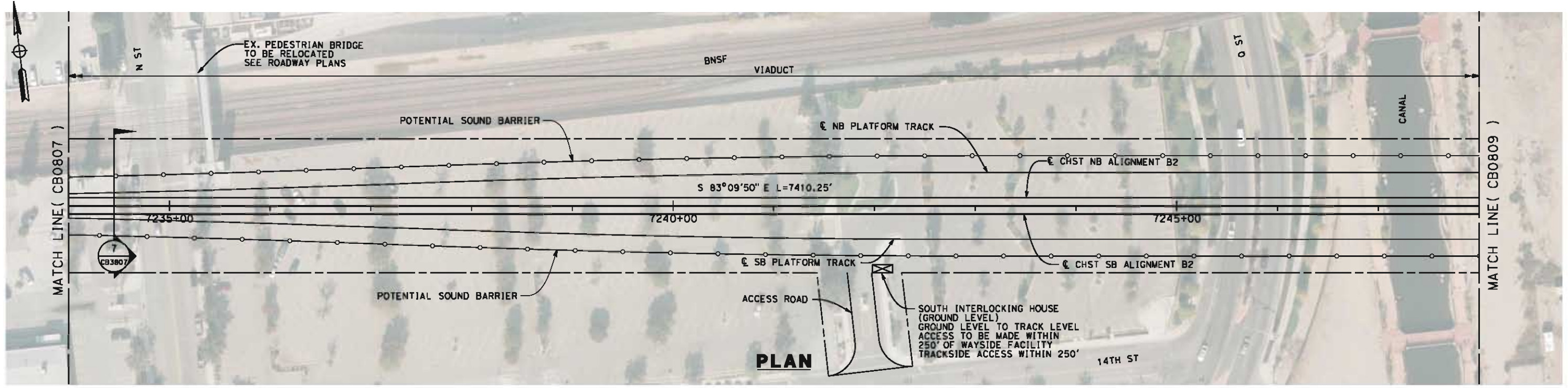
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0807
SCALE
AS SHOWN
SHEET NO.
17 OF 37

6/6/2012 11:30:33 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheet\Rail\B2\FB-CB-0808-B2.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

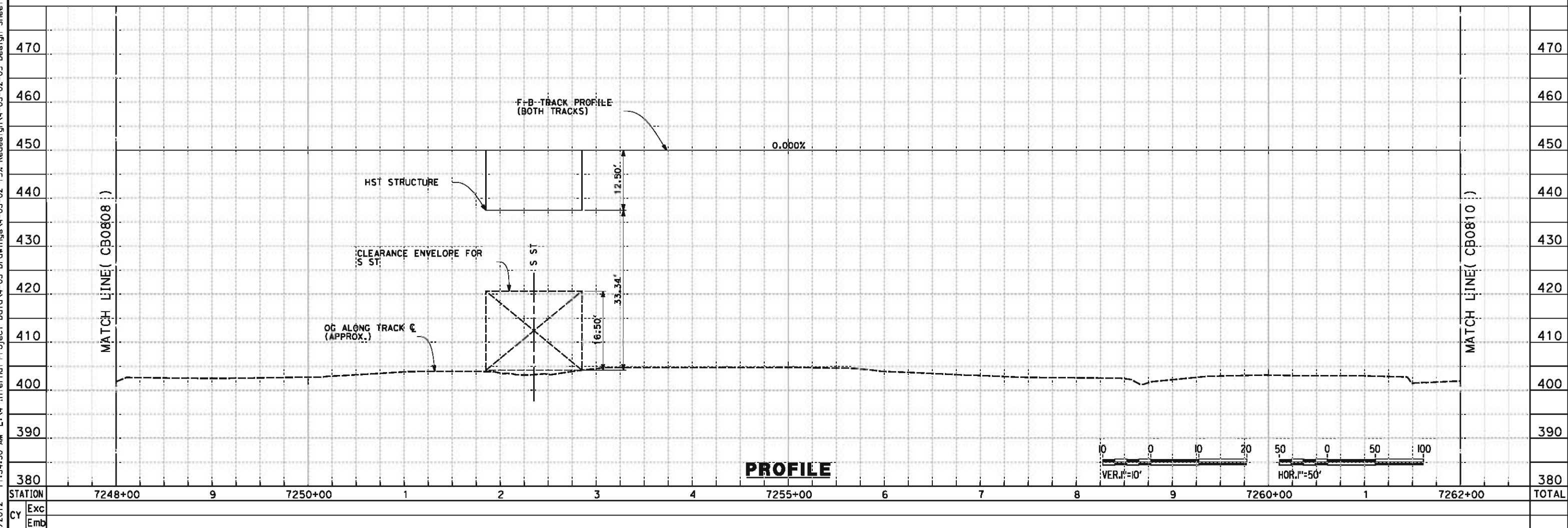
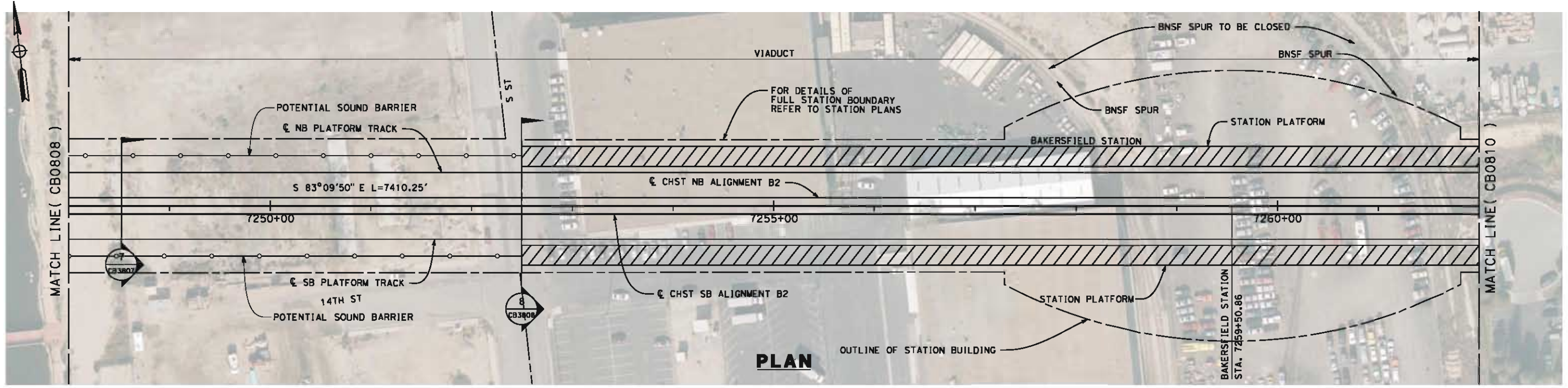
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0808
SCALE
AS SHOWN
SHEET NO.
18 OF 37

6/6/2012 11:34:30 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB\FB-CB-0809-B2.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB

DRAWN BY
M. GREEN

CHECKED BY
L. TRUJILLO

IN CHARGE
R. COFFIN

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7248+00 TO 7262+00
PLAN AND PROFILE

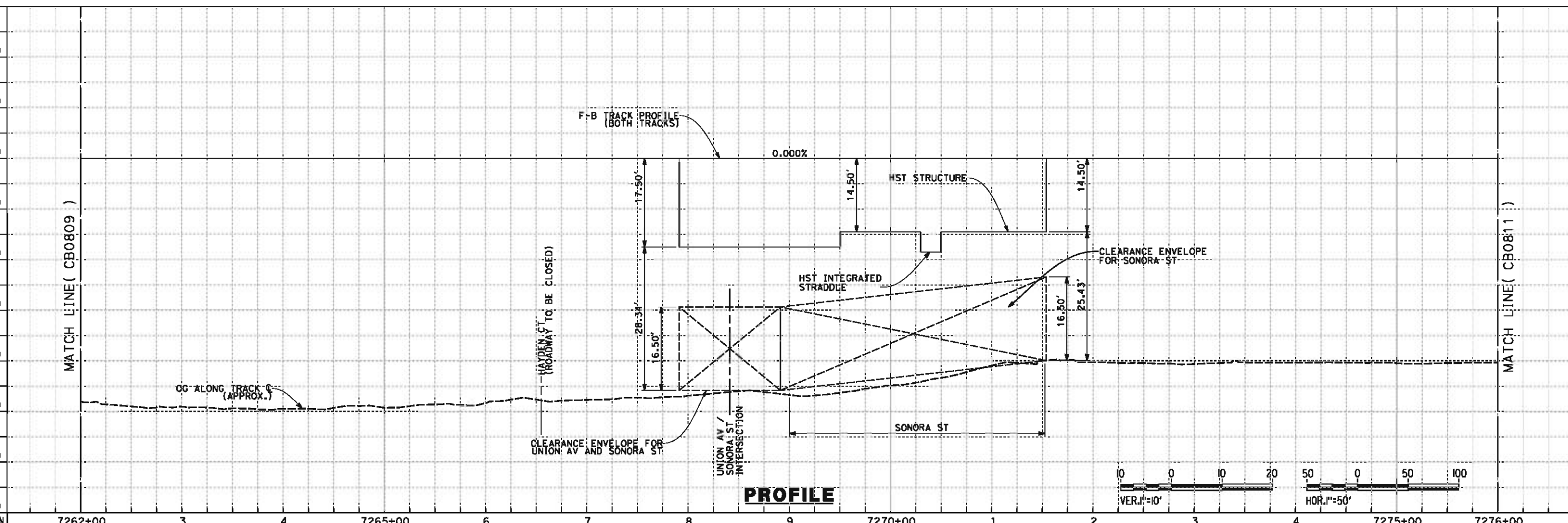
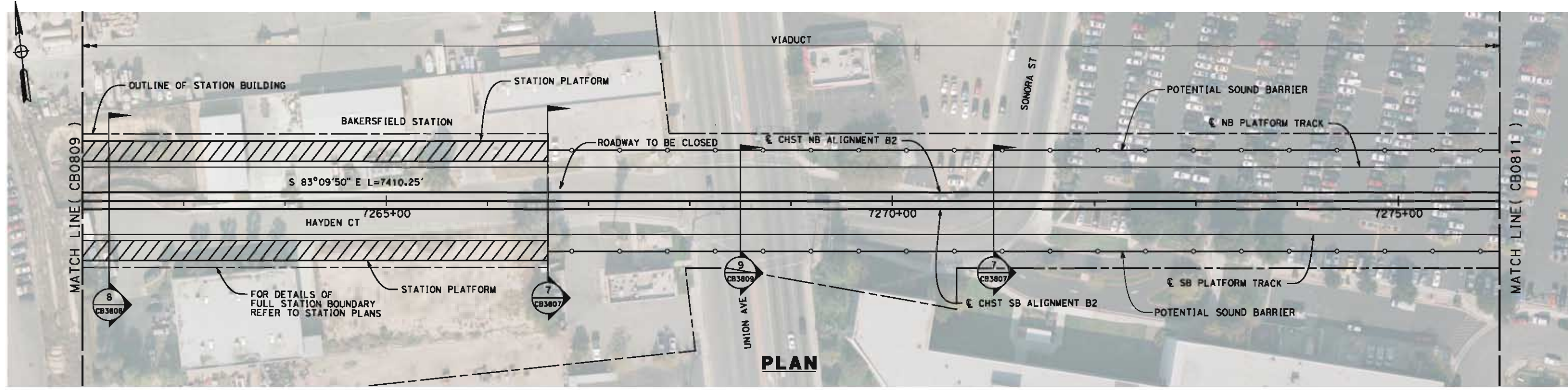
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HSR 06-0003

DRAWING NO.
CB0809

SCALE
AS SHOWN

SHEET NO.
19 OF 37

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

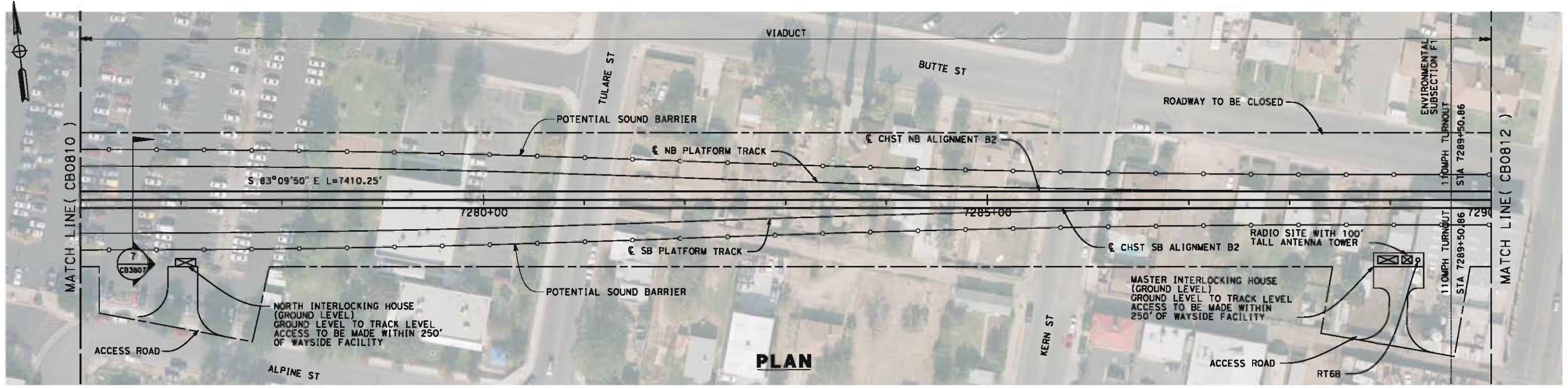
**NOT FOR
CONSTRUCTION**



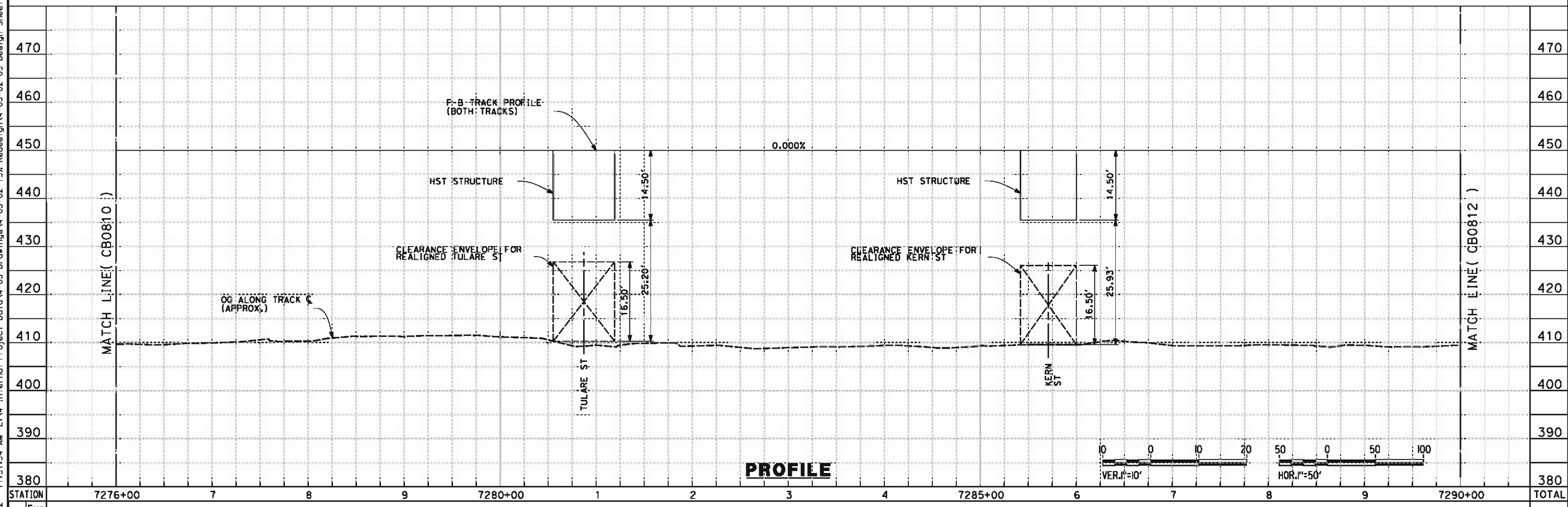
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7262+00 TO 7276+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0810
SCALE
AS SHOWN
SHEET NO.
20 OF 37

6/6/2012 11:51:54 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\B2\FB-CB-0811-B2.dgn paul.tankin



PLAN



PROFILE

STATION	Exc	Emb
7276+00		
7		
8		
9		
7280+00		
1		
2		
3		
4		
7285+00		
6		
7		
8		
9		
7290+00		
TOTAL		

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

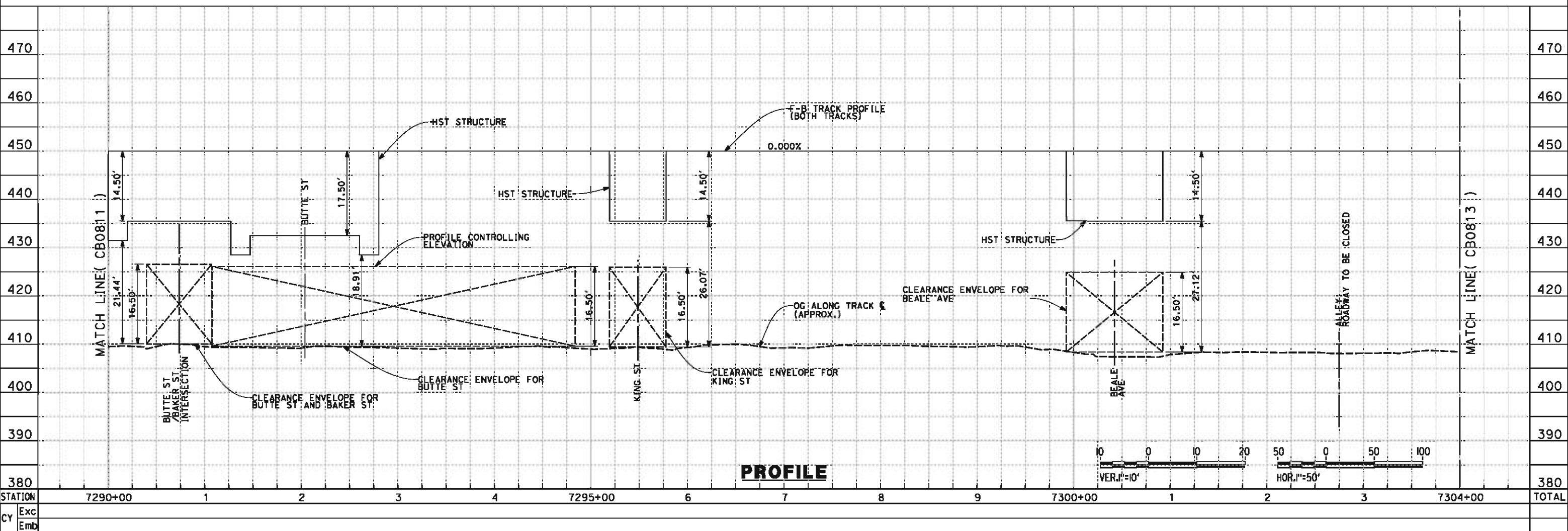
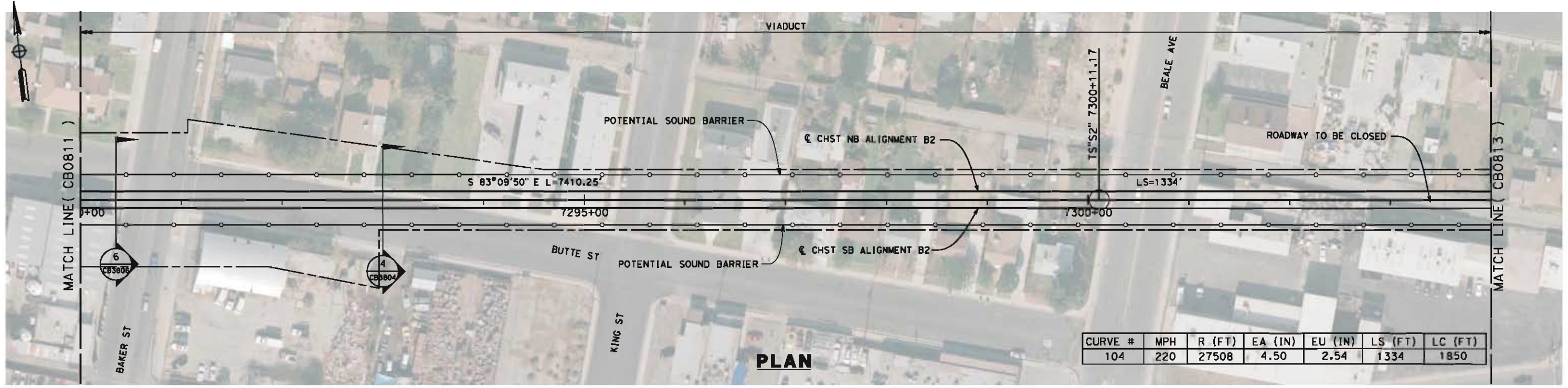
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0811
SCALE
AS SHOWN
SHEET NO.
21 OF 37

6/5/2012 9:12:51 PM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheets\Rail\NB2\FB-CB-0812-B2.dgn paul.tankin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

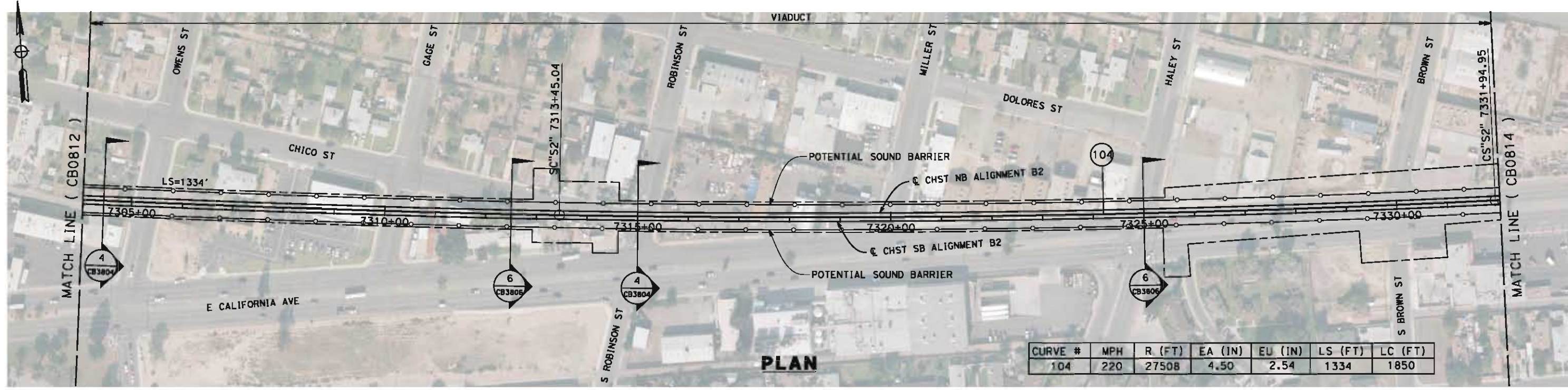
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CONSTRUCTION**



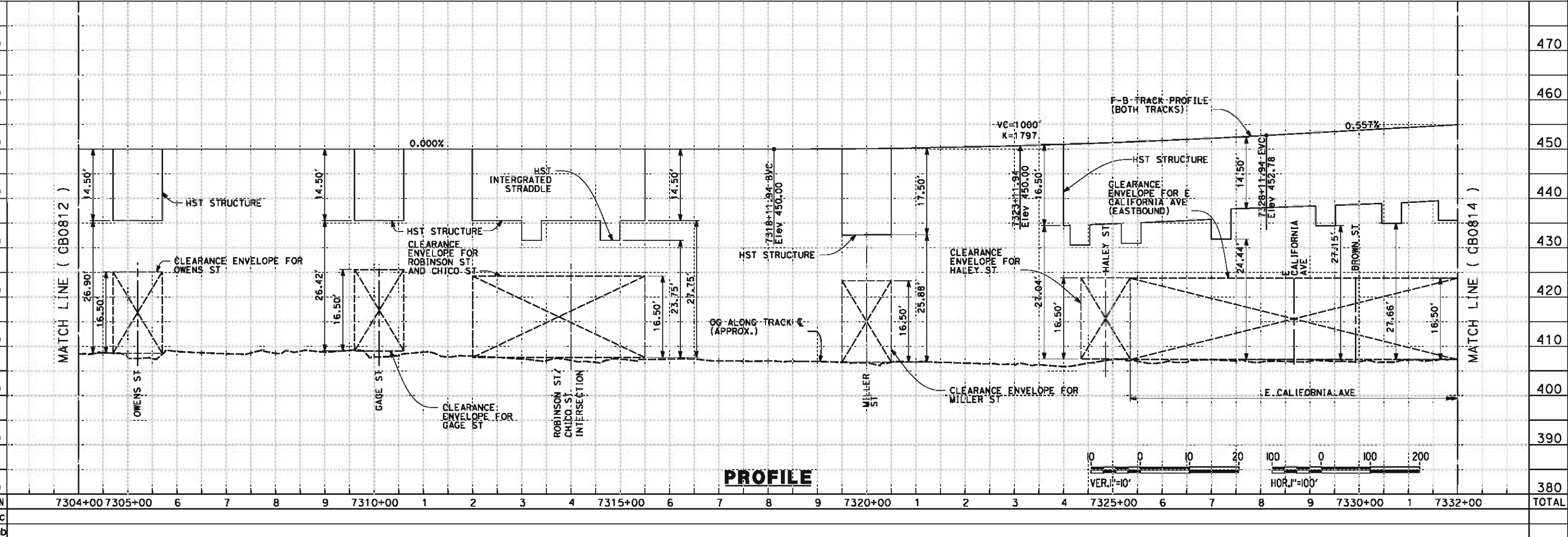
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7290+00 TO 7304+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0812
SCALE
AS SHOWN
SHEET NO.
22 OF 37

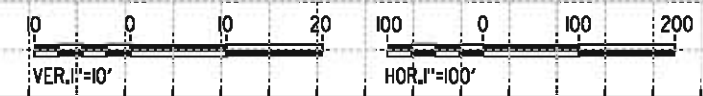
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
104	220	27508	4.50	2.54	1334	1850



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7304+00 TO 7332+00
PLAN AND PROFILE

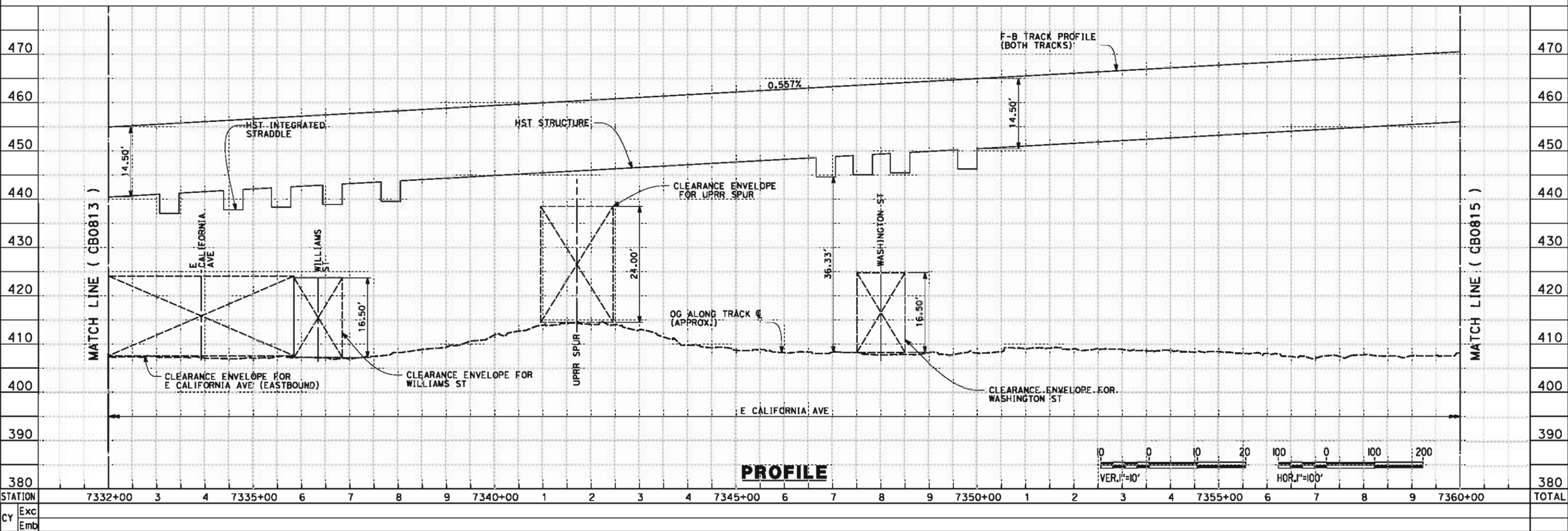
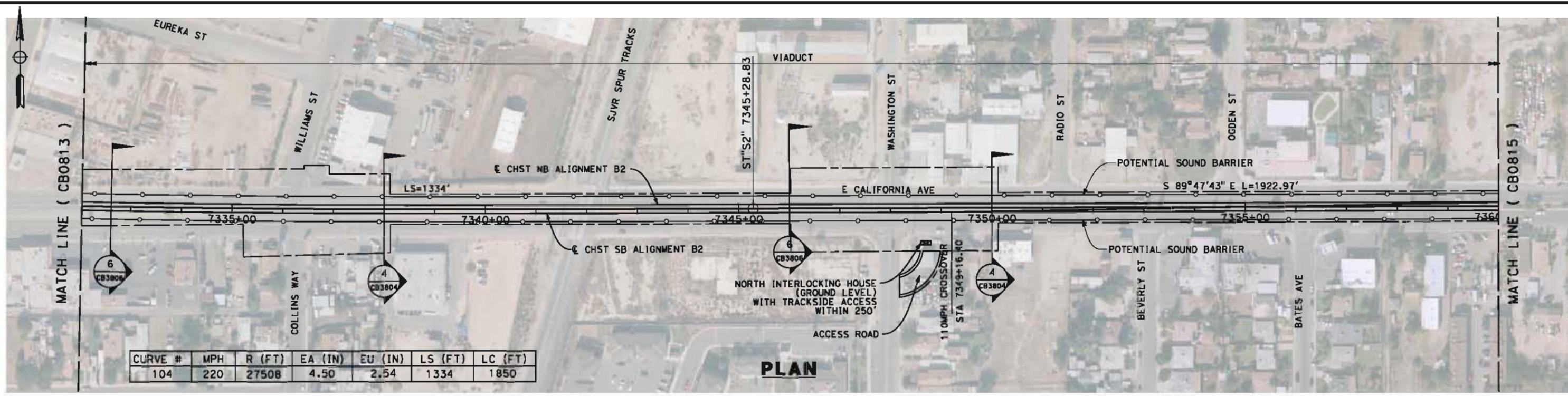
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0813

SCALE
AS SHOWN

SHEET NO.
23 OF 37

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STATION	Exc	Emb
7332+00		
3		
4		
7335+00		
6		
7		
8		
9		
7340+00		
1		
2		
3		
4		
7345+00		
6		
7		
8		
9		
7350+00		
1		
2		
3		
4		
7355+00		
6		
7		
8		
9		
7360+00		
TOTAL		

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

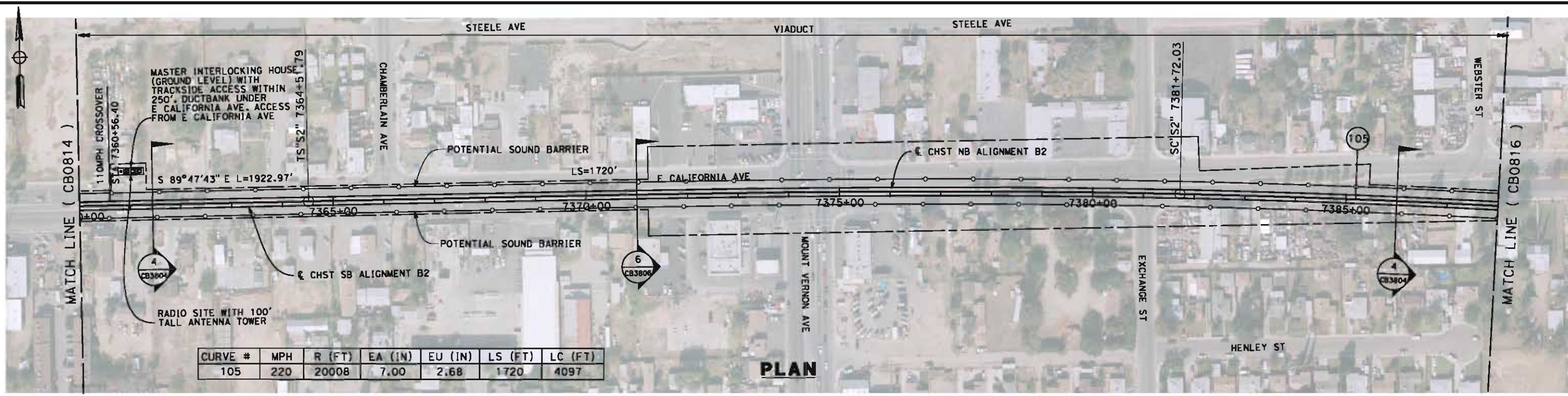
**NOT FOR
CONSTRUCTION**



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

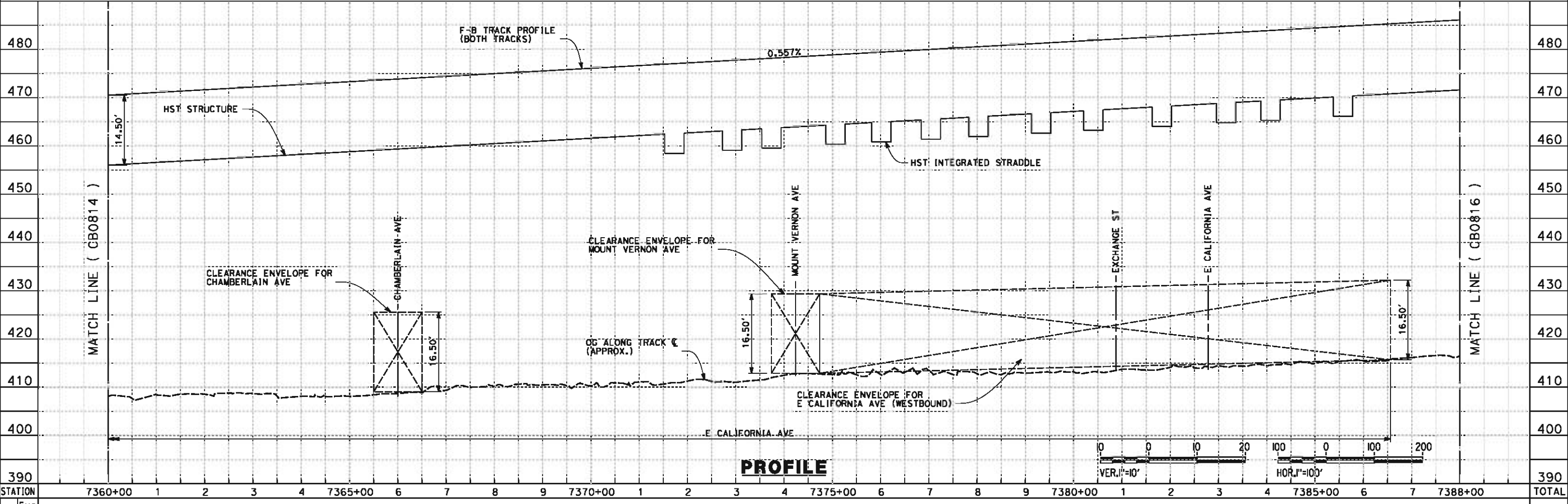
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0814
SCALE
AS SHOWN
SHEET NO.
24 OF 37

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

PLAN



PROFILE

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

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

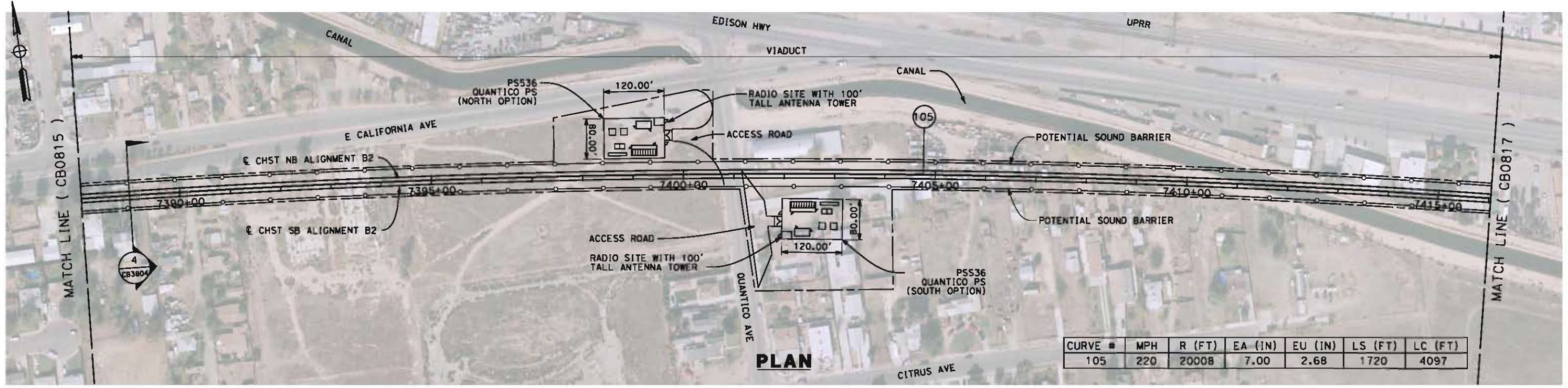
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CONSTRUCTION**



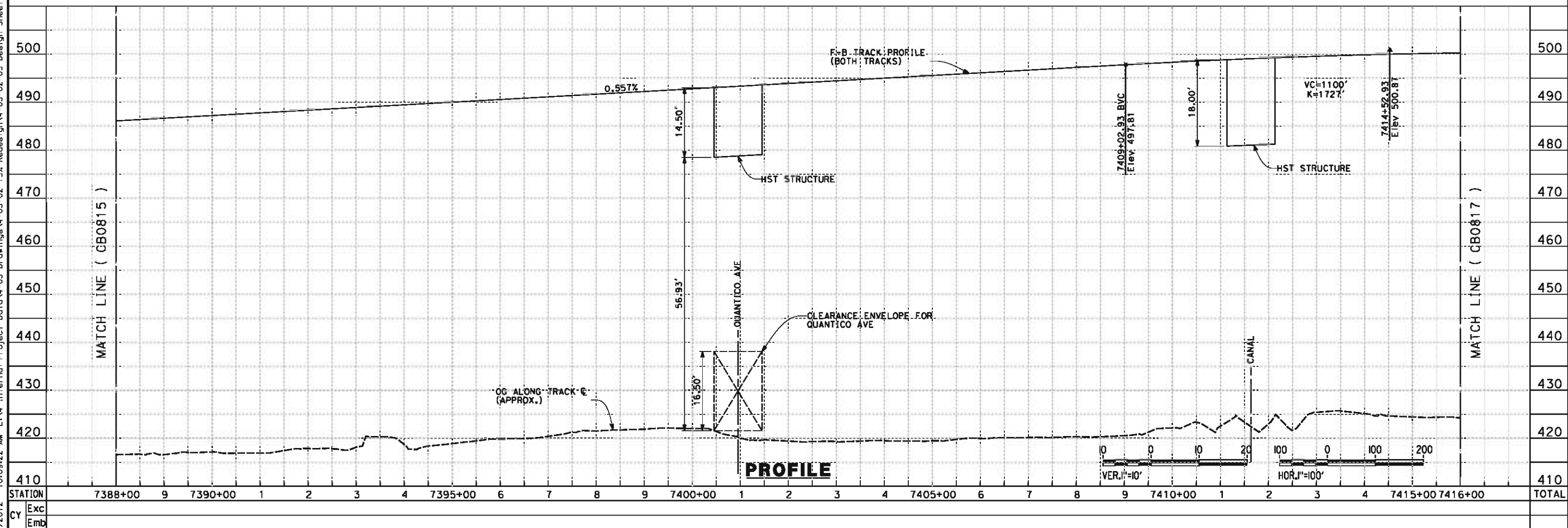
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
STA. 7360+00 TO 7388+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0815
SCALE
AS SHOWN
SHEET NO.
25 OF 37

6/6/2012 10:09:22 AM L:\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\gn4-03-02-05 Design Sheet\Rail\B2\FB-CB-0816-B2.dgn



PLAN



PROFILE

STATION	7388+00	9	7390+00	1	2	3	4	7395+00	6	7	8	9	7400+00	1	2	3	4	7405+00	6	7	8	9	7410+00	1	2	3	4	7415+00	7416+00	TOTAL
Exc																														
Emb																														

DESIGNED BY	J. LIPSCOMB
DRAWN BY	M. GREEN
CHECKED BY	L. TRUJILLO
IN CHARGE	R. COFFIN
DATE	06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

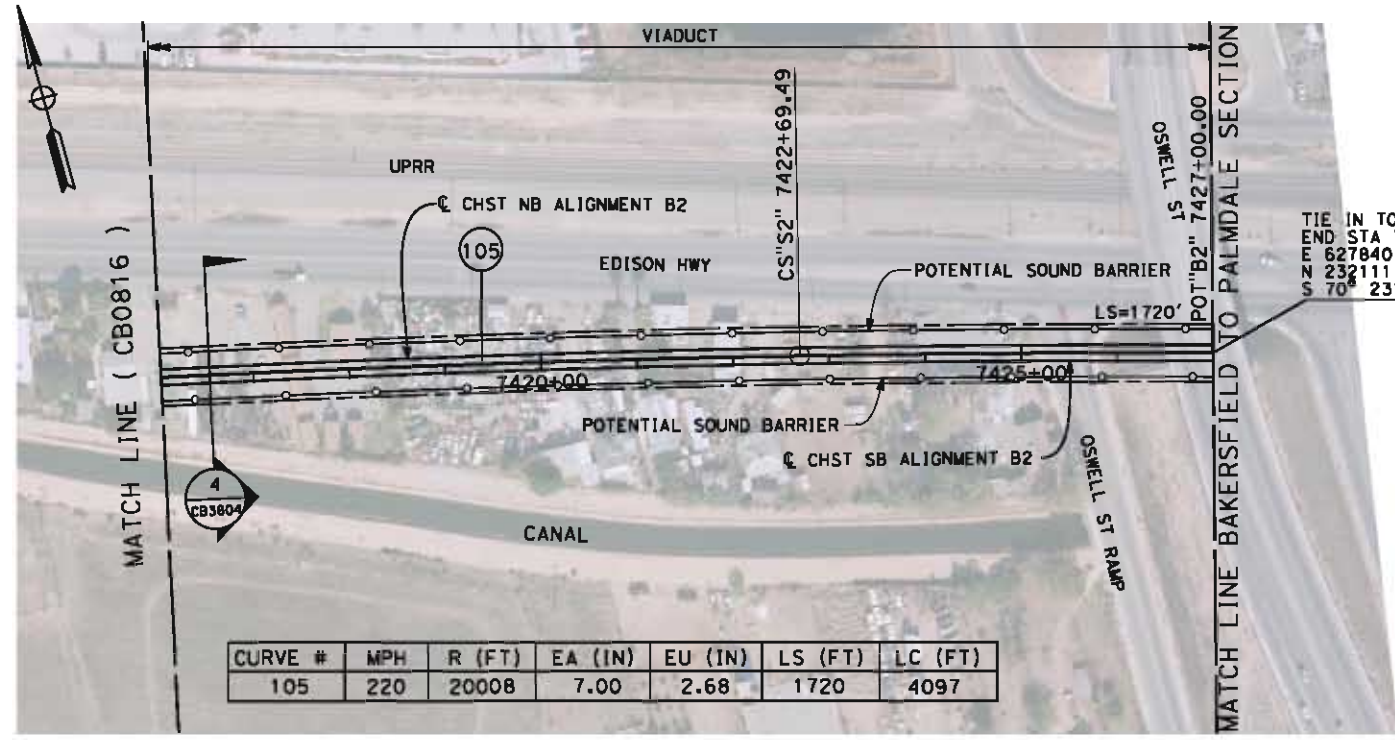
**NOT FOR
CONSTRUCTION**



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

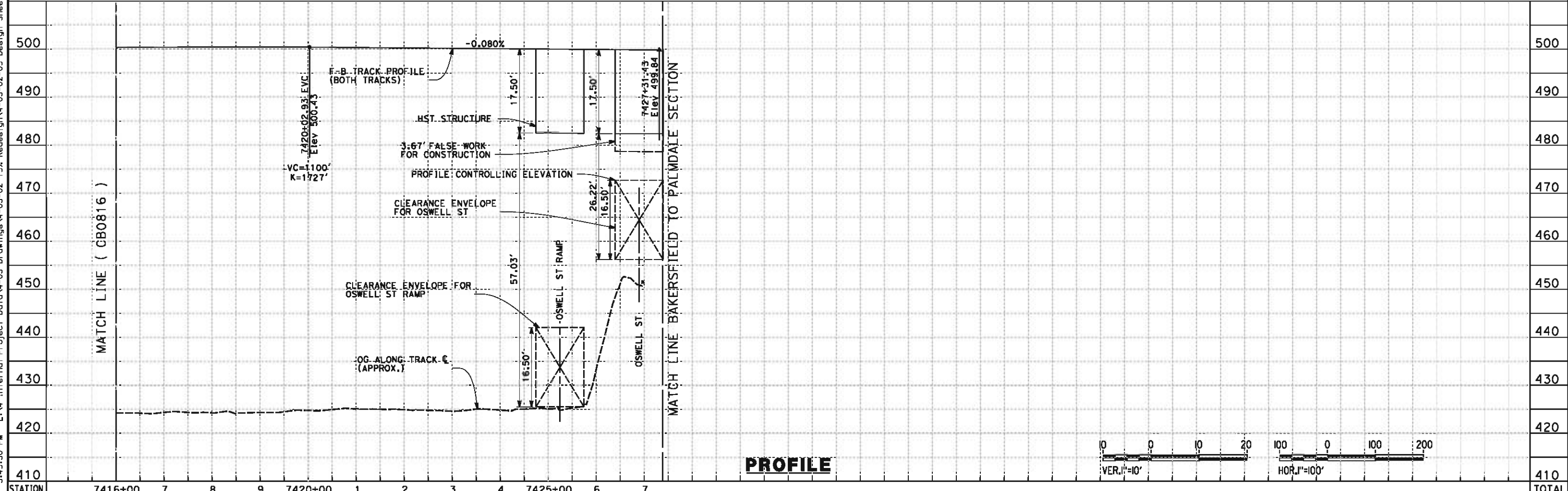
CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB0816
SCALE	AS SHOWN
SHEET NO.	26 OF 37

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PLAN

TIE IN TO BAKERSFIELD TO PALMDALE SECTION
 END STA 7427+00.00 (B2) ELEV 499.87
 N 62° 28' 40.1922"
 S 232° 11' 11.082"
 S 70° 23' 37"E



PROFILE



STATION	7416+00	7	8	9	7420+00	1	2	3	4	7425+00	6	7	TOTAL
Exc													
Emb													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
06/08/12

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

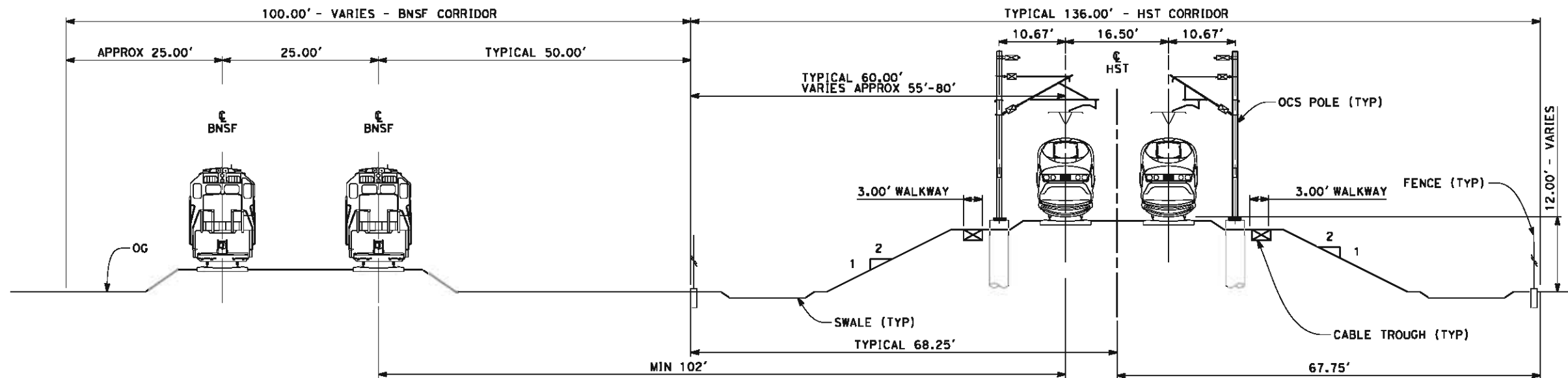


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 STA. 7416+00 TO 7427+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0817
 SCALE
AS SHOWN
 SHEET NO.
27 OF 37

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. BNSF RELOCATED BEYOND STATION 6829+81.36.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
4. INDICATIVE BNSF RELOCATION SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



SECTION 1

HST AT GRADE LOOKING SOUTHBOUND
STATIONS 6799+52 TO 6917+80



05/11/2012 16:02:25 0:\1\31577-00\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\B2\FB-CB-3801-B2.dgn alcm-dean

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB

DRAWN BY
M. GREEN

CHECKED BY
L. TRUJILLO

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3801

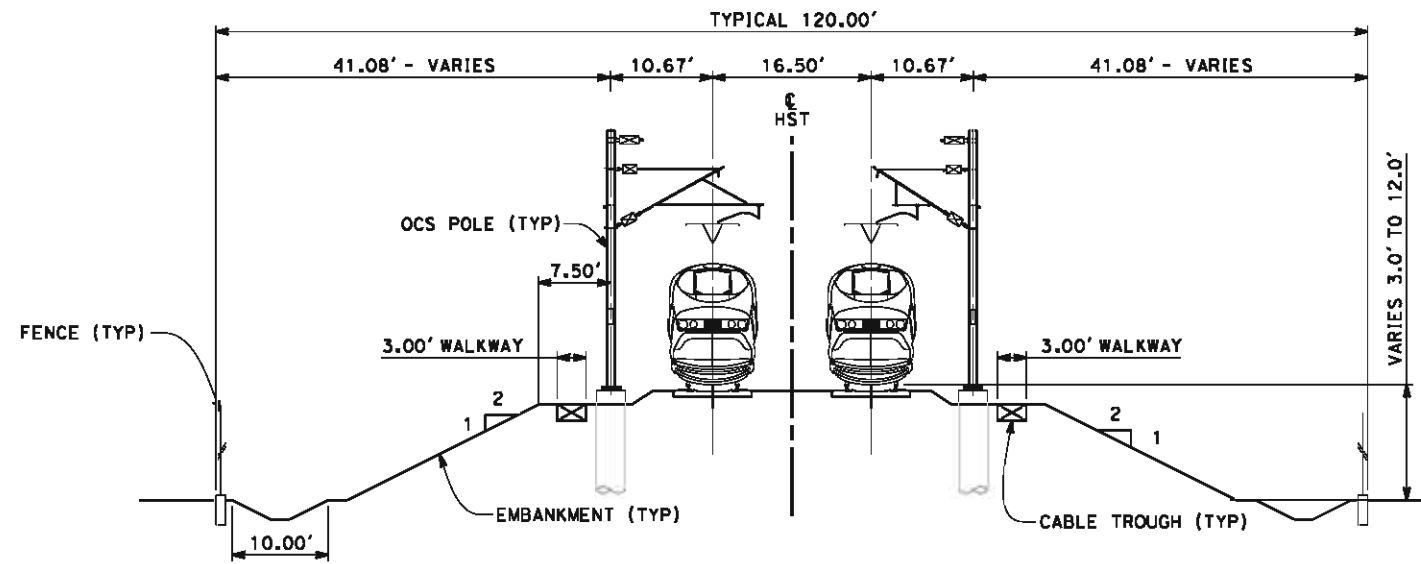
SCALE
AS SHOWN

SHEET NO.
28 OF 37

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NOTES:

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



SECTION 2
TWIN TRACK ON EMBANKMENT
LOOKING SOUTHBOUND
STATIONS 6917+80 TO 6921+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



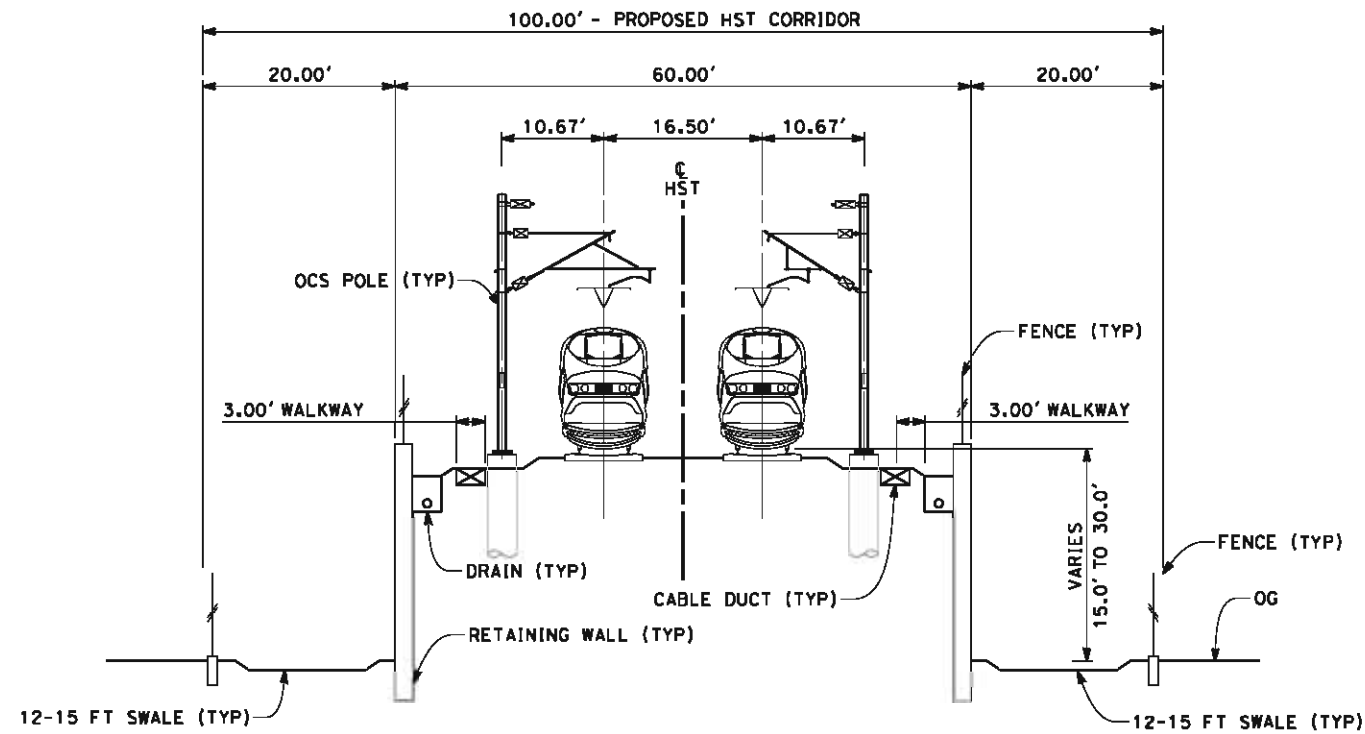
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3802
SCALE
AS SHOWN
SHEET NO.
29 OF 37

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NOTES:

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



SECTION 3

TWIN TRACK ON RETAINING WALL
LOOKING SOUTHBOUND
STATIONS 6921+50 TO 6930+70



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



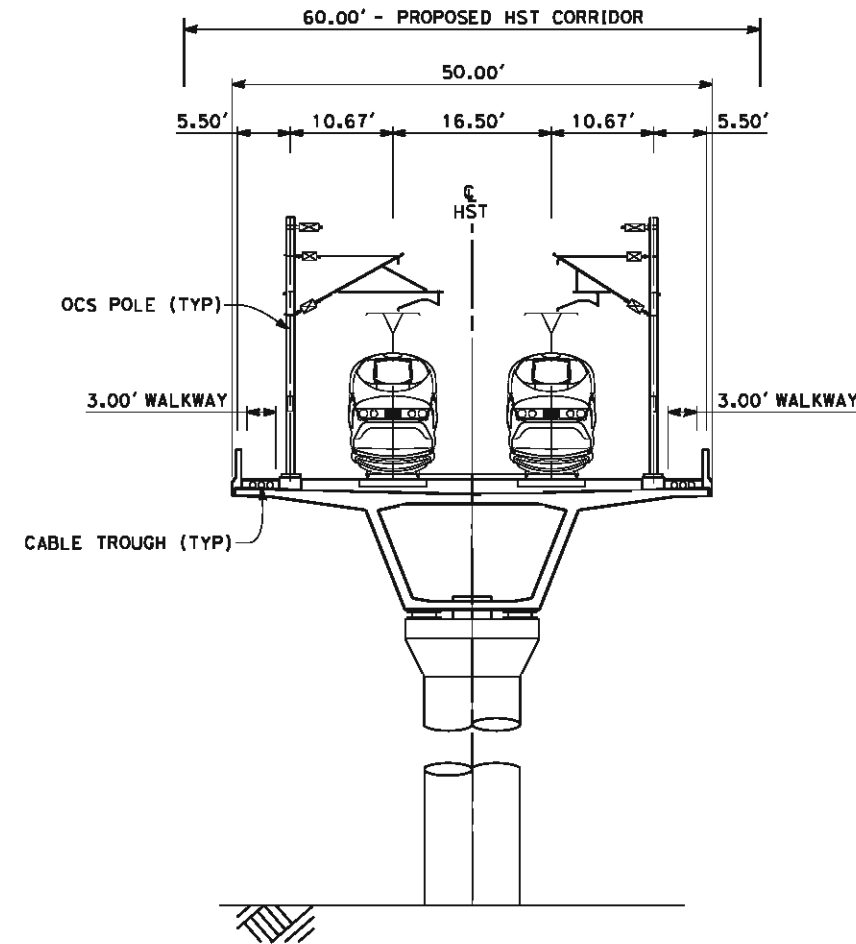
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3803
SCALE
AS SHOWN
SHEET NO.
30 OF 37

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NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' to 24.50' FOR INDICATED STATION RANGE.
4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 4

TWIN TRACK AERIAL STRUCTURE LOOKING SOUTHBOUND
 STATIONS 6930+70 TO 7001+00
 STATIONS 7007+00 TO 7012+00
 STATIONS 7025+00 TO 7053+80
 STATIONS 7060+00 TO 7062+50
 STATIONS 7065+50 TO 7096+00
 STATIONS 7110+97 TO 7115+50
 STATIONS 7116+50 TO 7223+00
 STATIONS 7293+00 TO 7312+50
 STATIONS 7315+00 TO 7325+00
 STATIONS 7338+00 TO 7346+00
 STATIONS 7350+00 TO 7371+00
 STATIONS 7386+00 TO 7427+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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

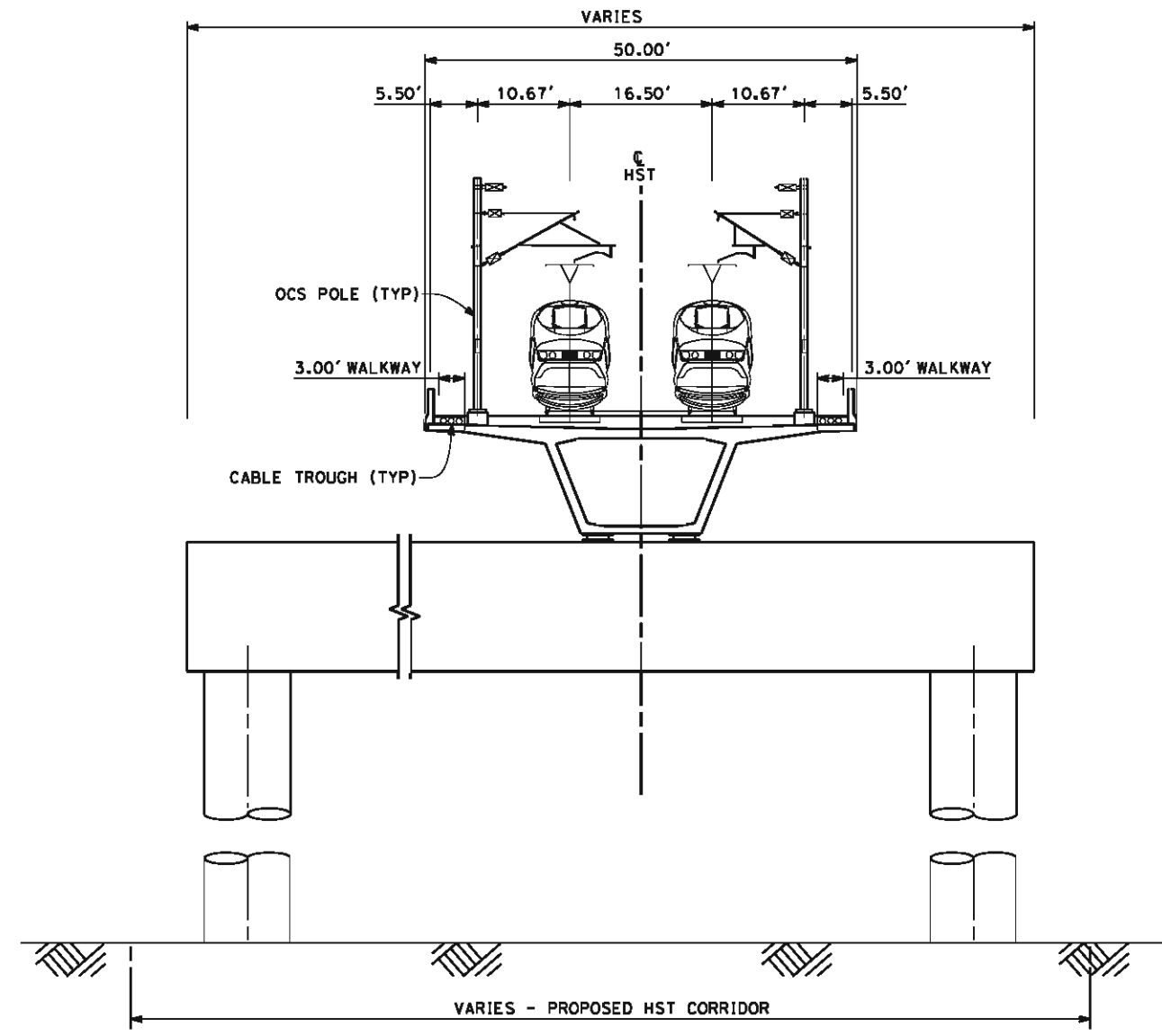


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3804
 SCALE
AS SHOWN
 SHEET NO.
31 OF 37

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



SECTION 5

TWIN TRACK AERIAL STRUCTURE
 OVERLAPPING WESTSIDE PARKWAY LOOKING SOUTHBOUND
 STATIONS 7012+00 TO 7025+00
 STATIONS 7053+80 TO 7060+00
 STATIONS 7062+60 TO 7065+50
 STATIONS 7115+50 TO 7116+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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



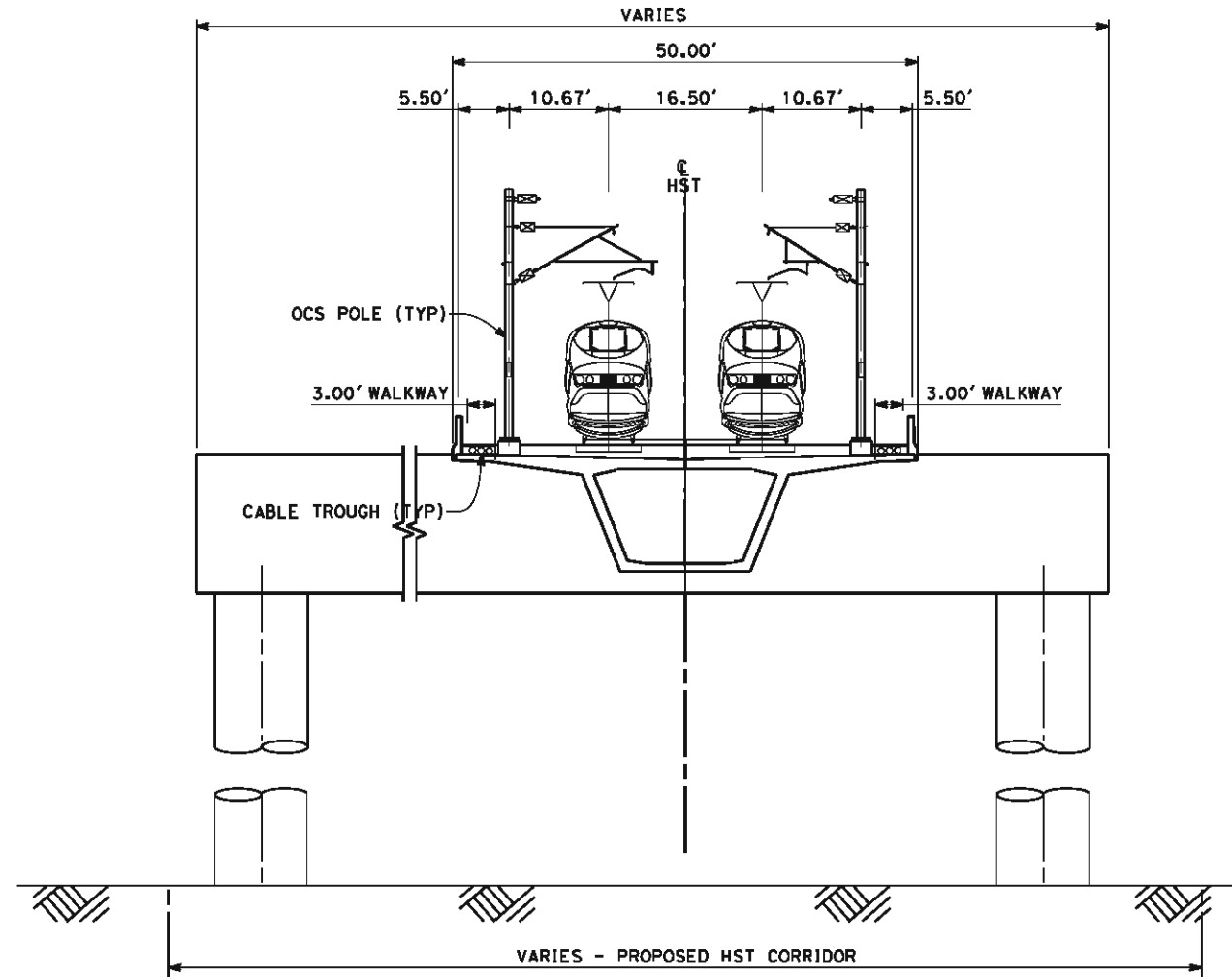
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3805
 SCALE
AS SHOWN
 SHEET NO.
32 OF 37

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NOTES:

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



SECTION 6

SEGMENTAL/CIP TWO TRACK OUTRIGGER SECTION
 LOOKING SOUTHBOUND
 STATIONS 7001+00 TO 7006+90
 STATIONS 7223+00 TO 7229+00
 STATIONS 7290+00 TO 7293+00
 STATIONS 7312+50 TO 7315+00
 STATIONS 7325+00 TO 7338+00
 STATIONS 7346+00 TO 7350+00
 STATIONS 7371+00 TO 7386+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



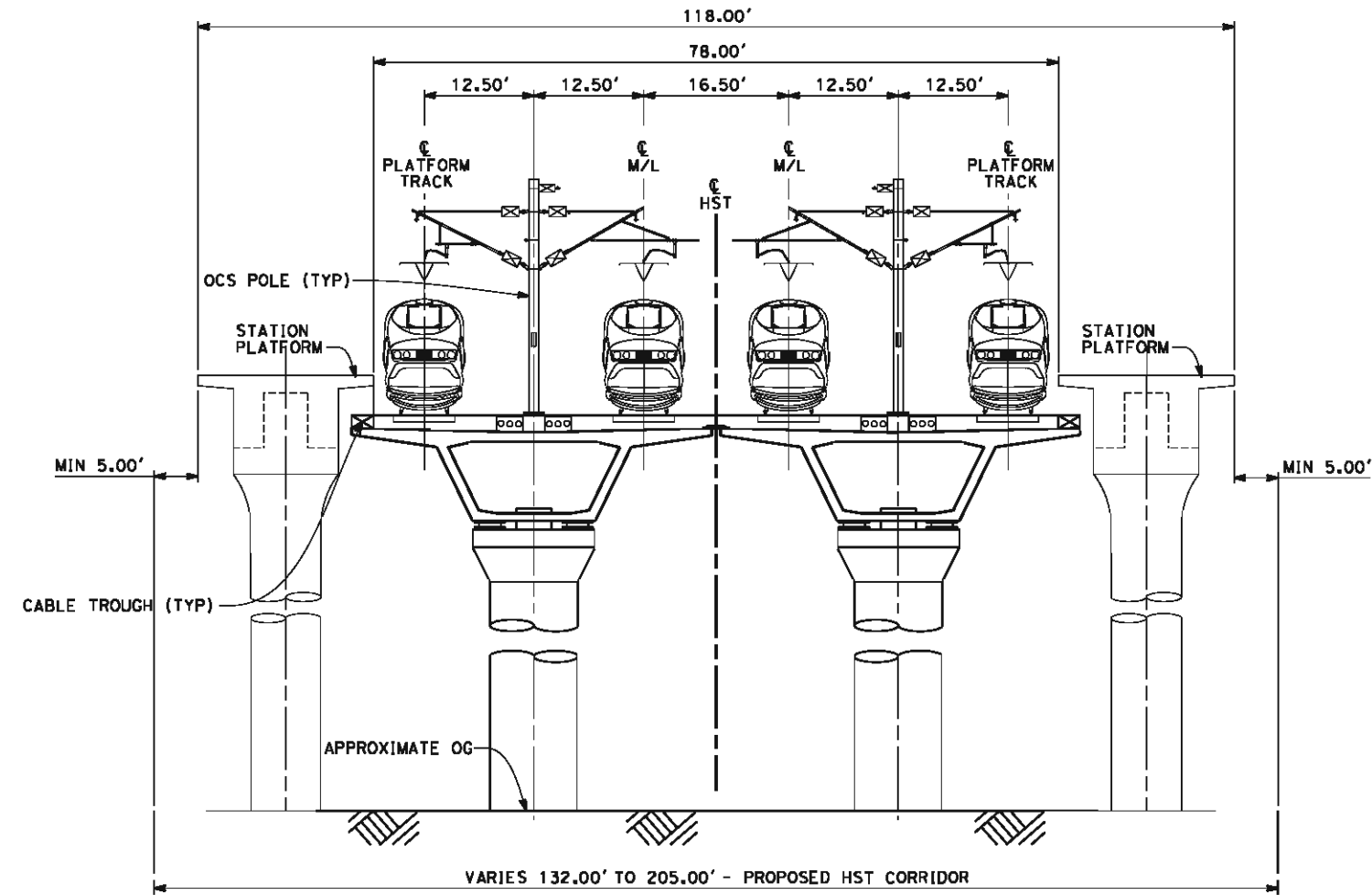
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3806
 SCALE
AS SHOWN
 SHEET NO.
33 OF 37

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NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' TO 18.50' FOR INDICATED STATION RANGE.
4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
5. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.



SECTION 8

FOUR TRACK STRUCTURE AT BAKERSFIELD STATION LOOKING SOUTHBOUND
STATIONS 7252+50 TO 7266+60



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

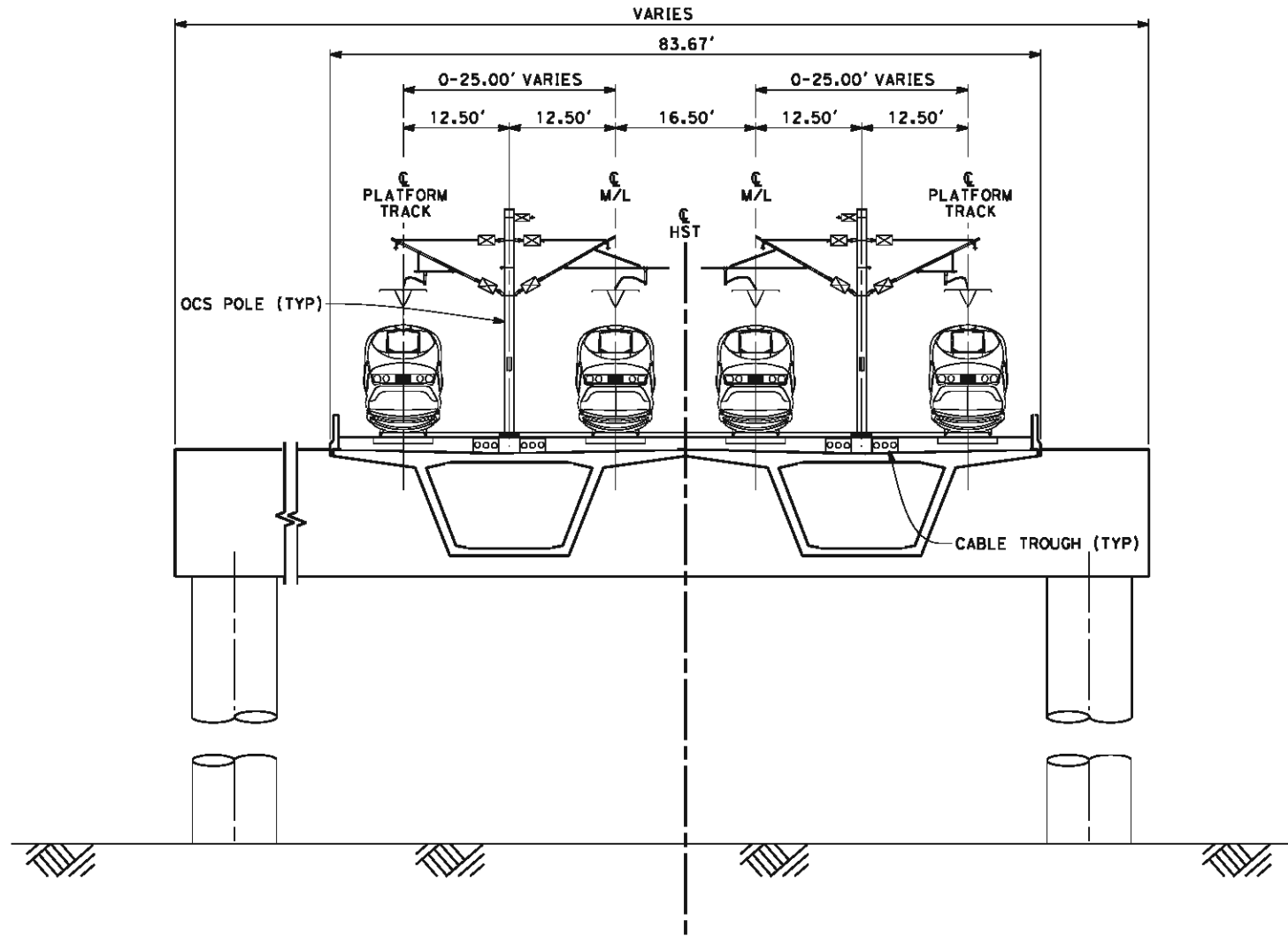


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3808
 SCALE
AS SHOWN
 SHEET NO.
35 OF 37

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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' TO 18.50' FOR INDICATED STATION RANGE.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 5. DISTANCE BETWEEN TRACKS VARIES FROM 0.00 TO 25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 9
 SEGMENTAL/CIP 4 TRACK OUTRIGGER SECTION
 LOOKING SOUTHBOUND
 STATIONS 7229+00 TO 7234+00
 STATIONS 7268+50 TO 7271+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
 DRAWN BY
M. GREEN
 CHECKED BY
L. TRUJILLO
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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



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

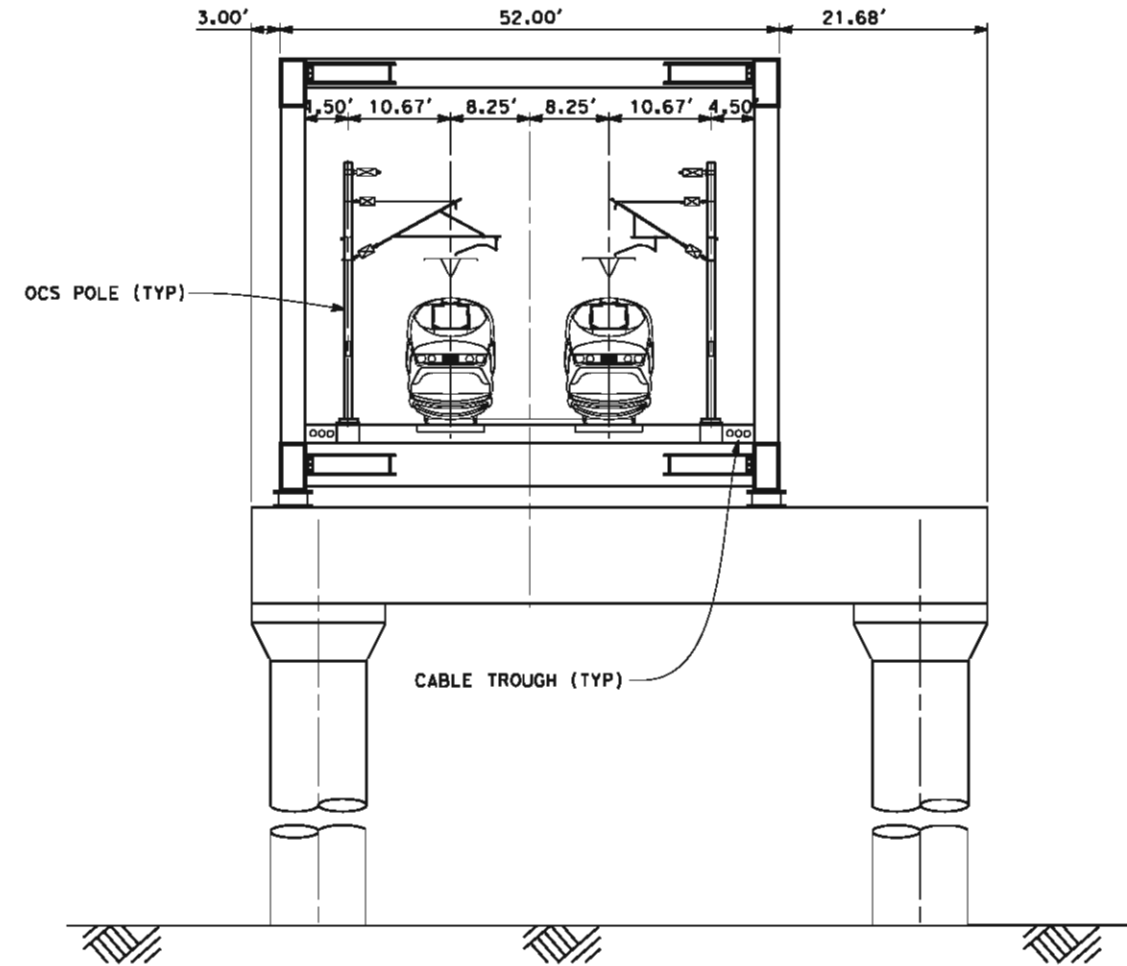
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3809
 SCALE
AS SHOWN
 SHEET NO.
36 OF 37

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05/11/2012 16:03:11 a/cn-dean

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. DEPTH OF VIADUCT STRUCTURE VARIES FROM 14.50' to 18.50' FOR INDICATED STATION RANGE.
4. DISTANCE BETWEEN TRACKS VARIES FROM 0.00' to 25.00' THROUGH TURNOUT AND REVERSE TO PARALLEL.



SECTION 10
STANDARD 2 TRACK STEEL TRUSS
OUTRIGGER SECTION LOOKING SOUTHBOUND
STATION 7096+00 TO 7110+97

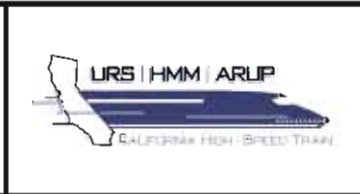


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LIPSCOMB
DRAWN BY
M. GREEN
CHECKED BY
L. TRUJILLO
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

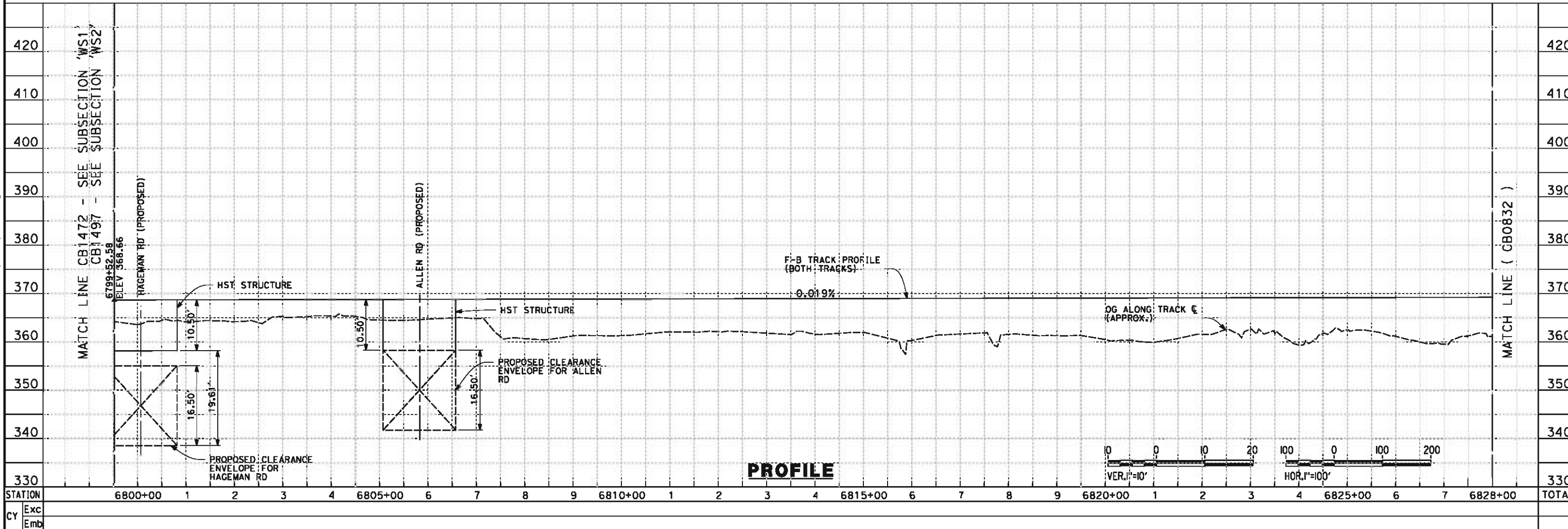
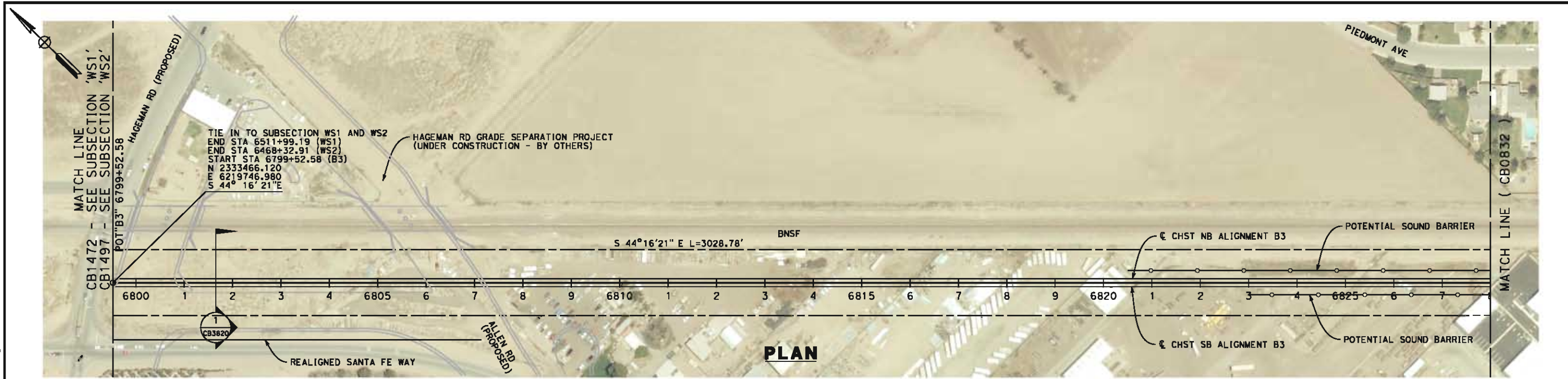
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CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3810
SCALE
AS SHOWN
SHEET NO.
37 OF 37

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
06/08/12

**10% RECORD SET
DESIGN SUBMISSION**

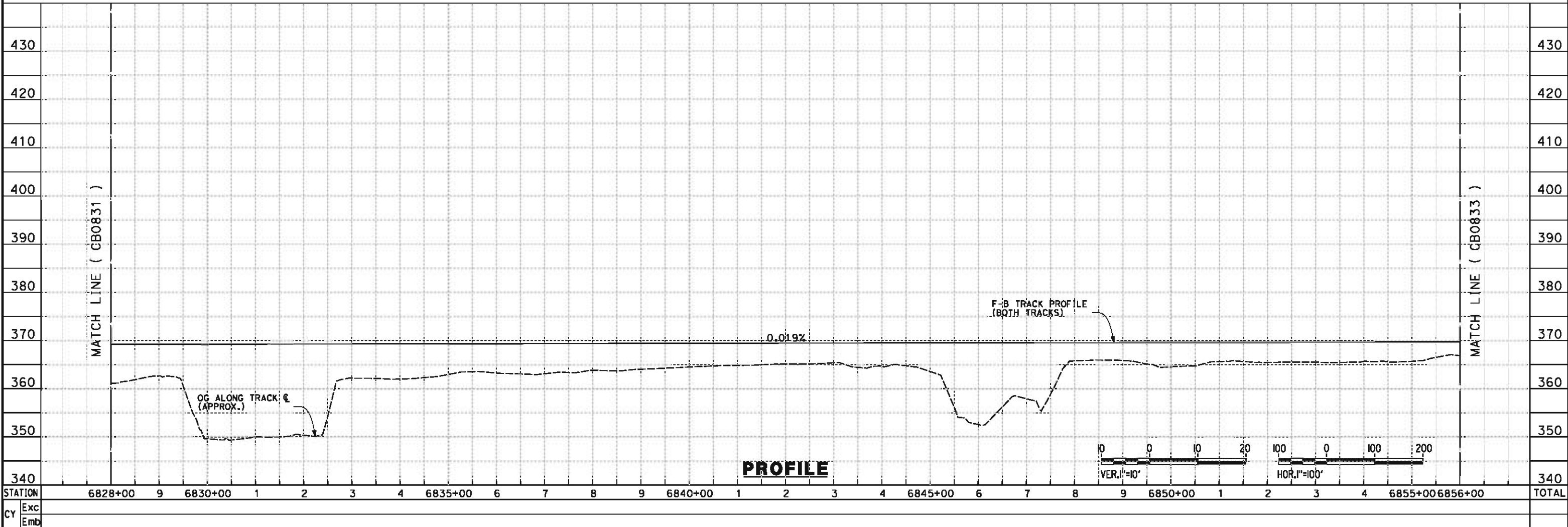
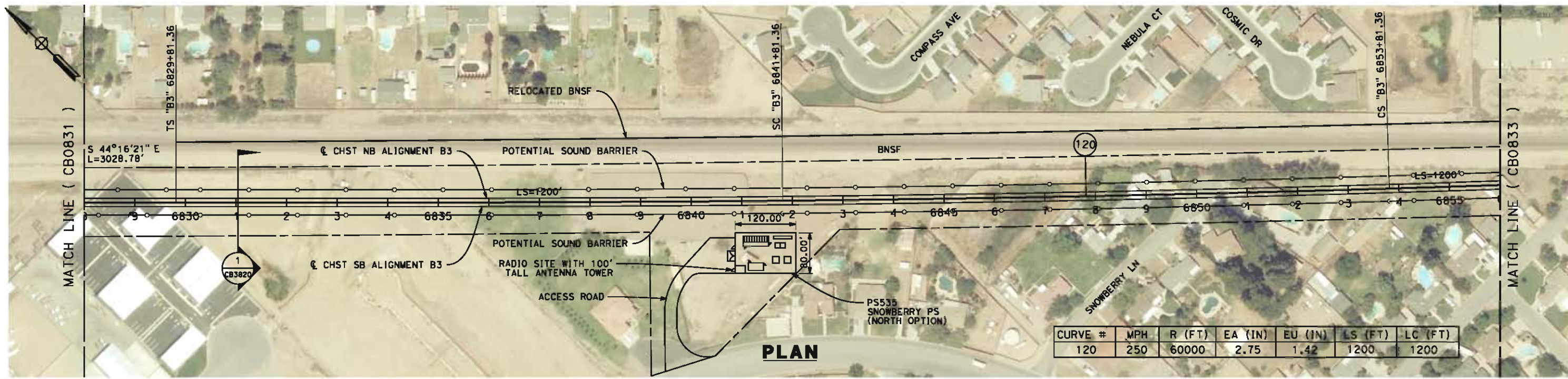
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA. 6799+52 TO 6828+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0831
 SCALE
AS SHOWN
 SHEET NO.
2 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

**18% RECORD SET
DESIGN SUBMISSION**

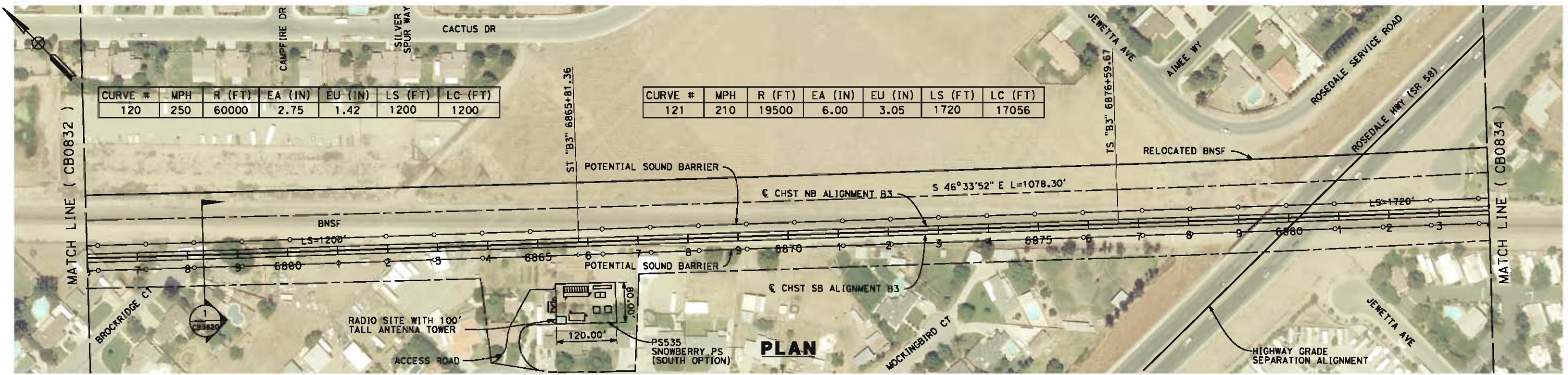
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CONSTRUCTION**



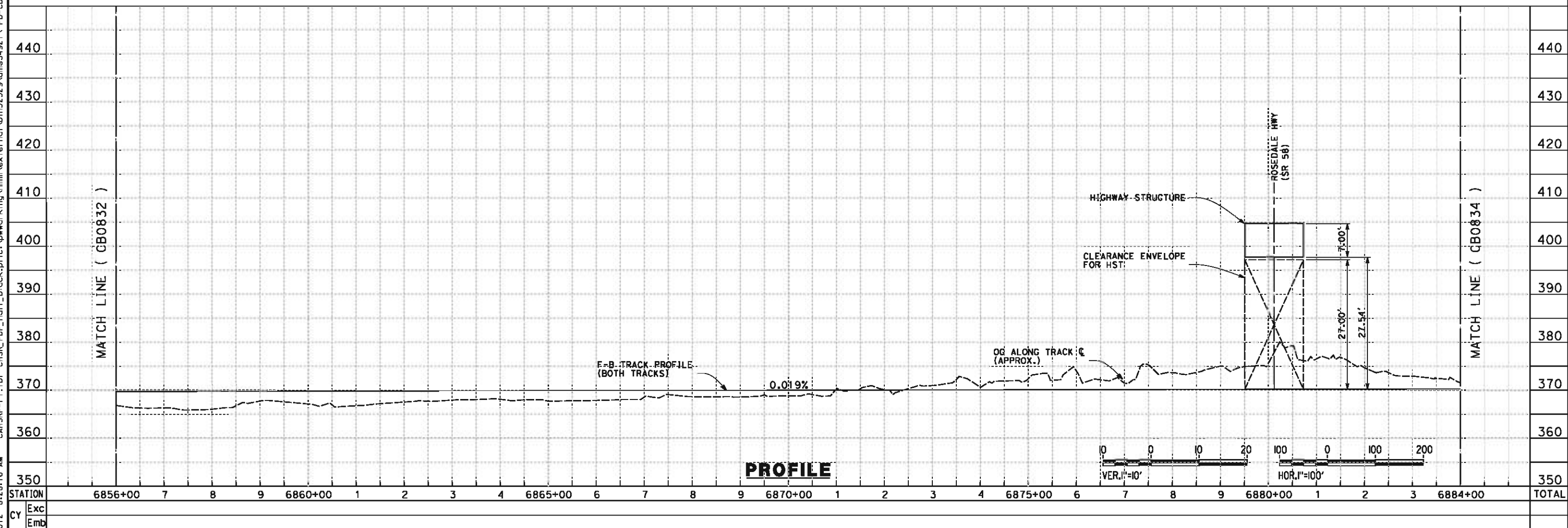
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA. 6828+00 TO 6856+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0832
SCALE
AS SHOWN
SHEET NO.
3 OF 32

6/4/2012 8:28:16 AM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\bin52529\dms34921\FB-CB-0833.dgn



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

**10% RECORD SET
DESIGN SUBMISSION**

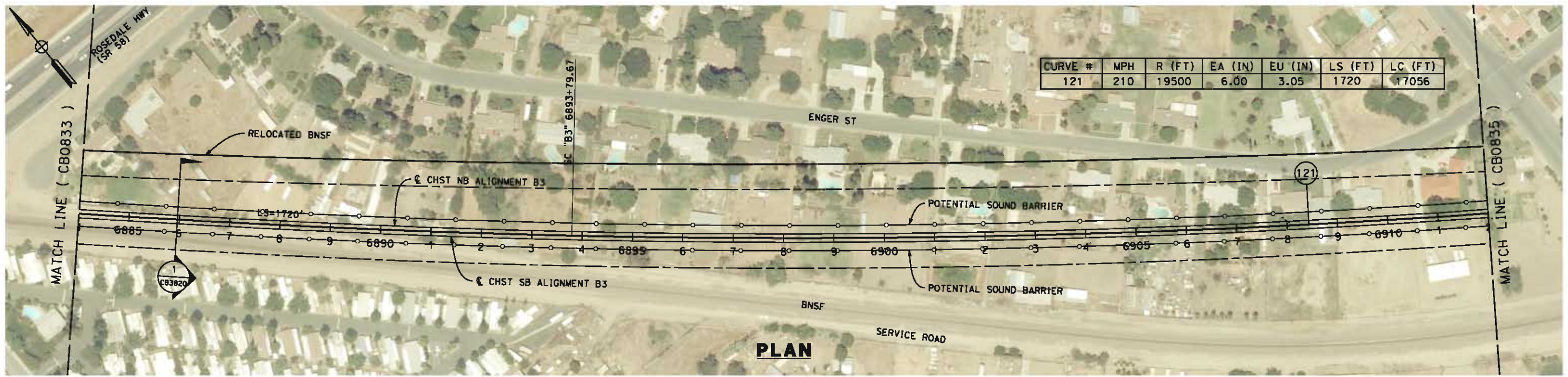
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CONSTRUCTION**



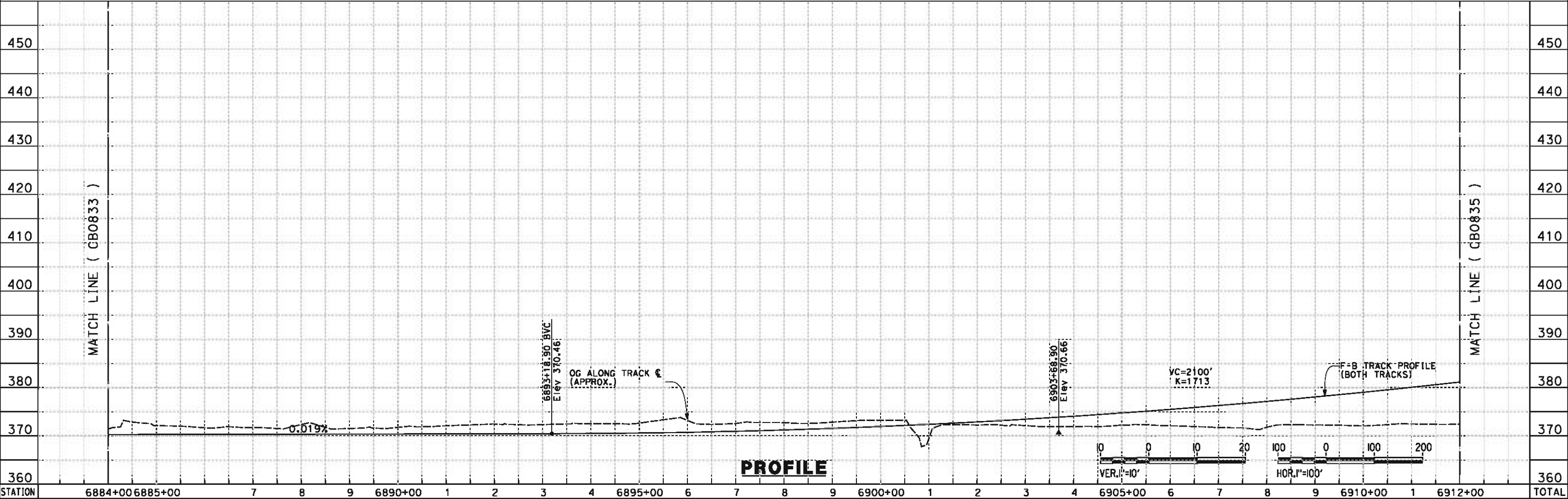
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6856+00 TO 6884+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0833
SCALE
AS SHOWN
SHEET NO.
4 OF 32

B:\52529 6/4/2012 8:29:59 AM CAHSR-r1.tbl CHSR_PDF_half_black.plt:V:\work\king\hmm\external\bin52529\dms34921\FB-CB-0834.dgn



PLAN



PROFILE

STATION	6884+00	6885+00	7	8	9	6890+00	1	2	3	4	6895+00	6	7	8	9	6900+00	1	2	3	4	6905+00	6	7	8	9	6910+00	1	6912+00	TOTAL
Exc																													
Emb																													

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

18% RECORD SET
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

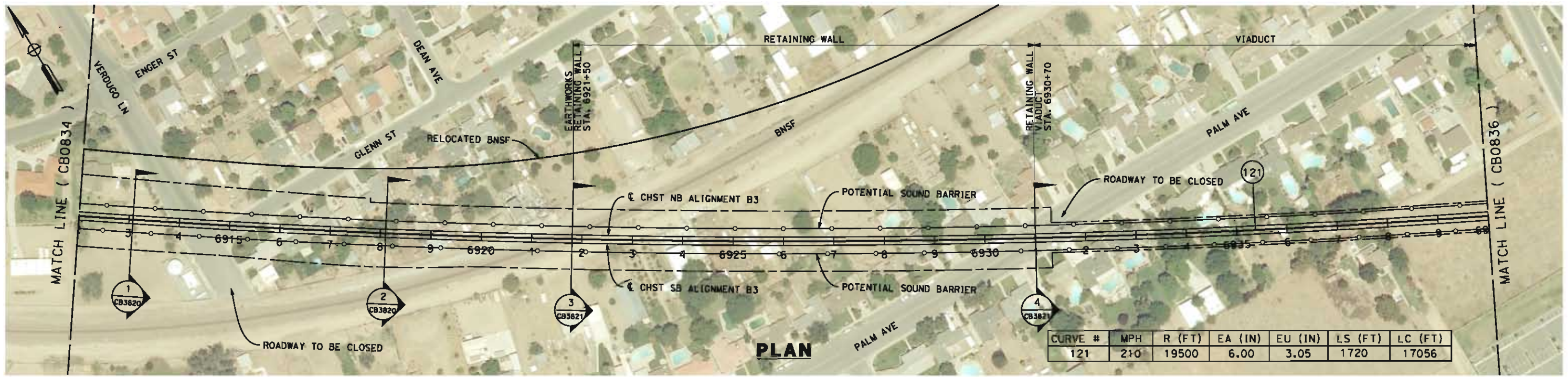


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6884+00 TO 6912+00
PLAN AND PROFILE

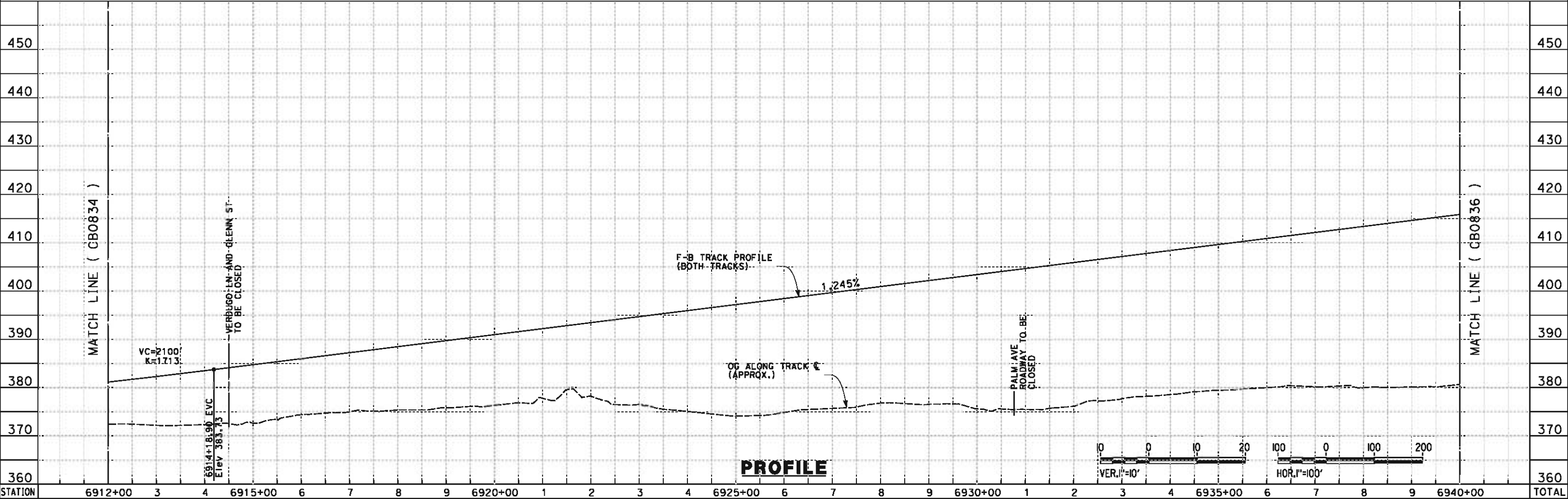
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0834
SCALE
AS SHOWN
SHEET NO.
5 OF 32

REV	DATE	BY	CHK	APP	DESCRIPTION

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	210	19500	6.00	3.05	1720	17056



STATION	Exc	Emb	TOTAL
6912+00			
3			
4			
6915+00			
6			
7			
8			
9			
6920+00			
1			
2			
3			
4			
6925+00			
6			
7			
8			
9			
6930+00			
1			
2			
3			
4			
6935+00			
6			
7			
8			
9			
6940+00			
TOTAL			

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
06/08/12

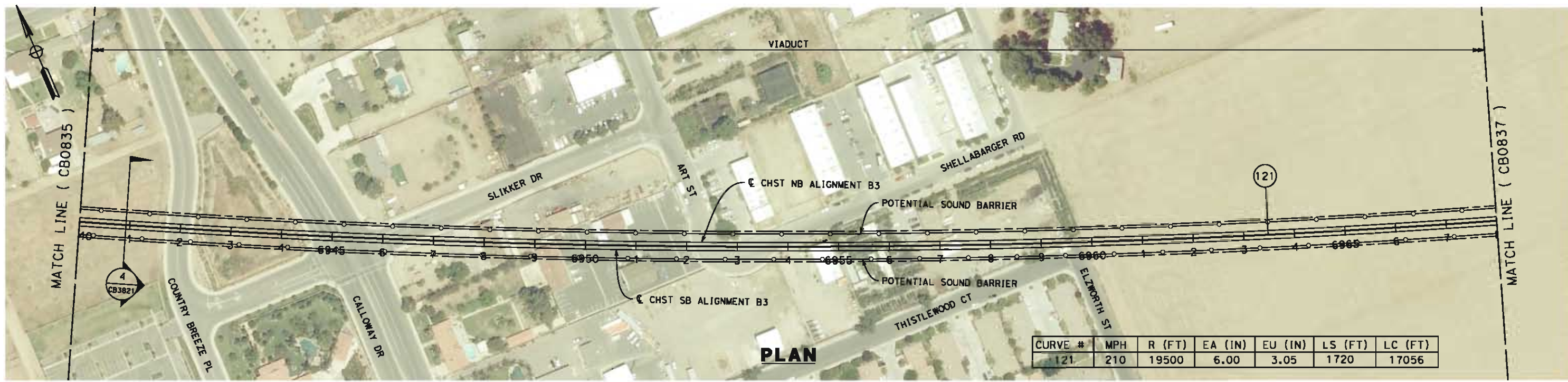
**18% RECORD SET
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

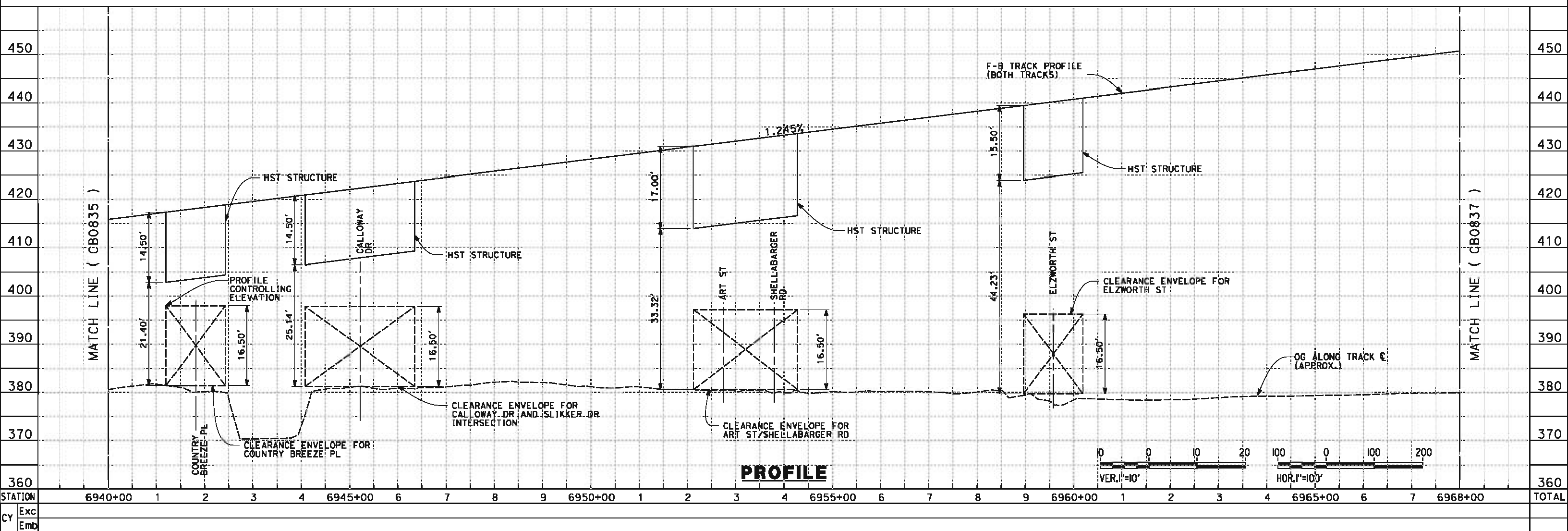


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA. 6912+00 TO 6940+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0835
 SCALE
AS SHOWN
 SHEET NO.
6 OF 32



PLAN



PROFILE

6/4/2012 8:32:59 AM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\mnm\external\bin52529\dms34921\FB-CB-0836.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

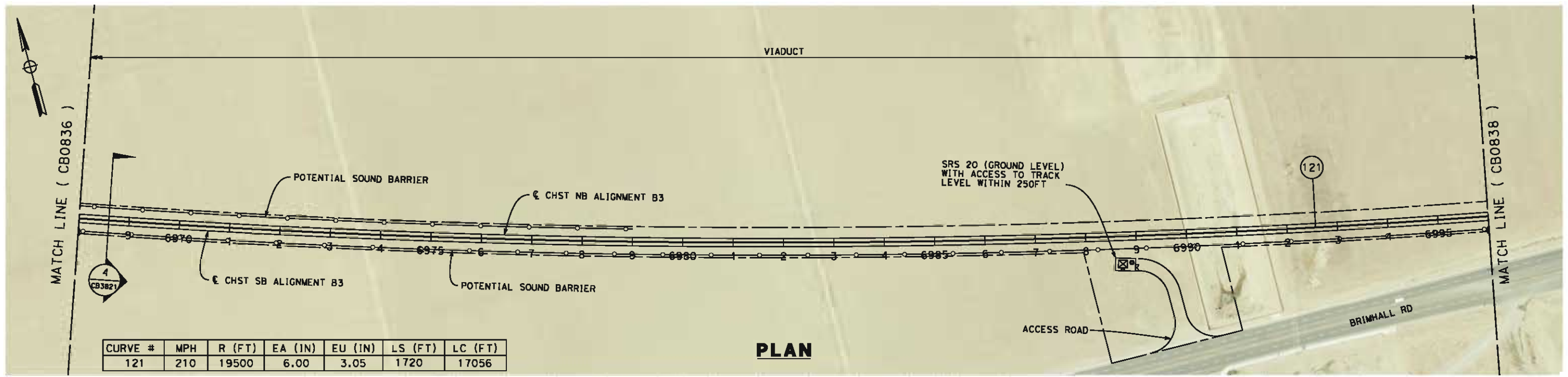
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



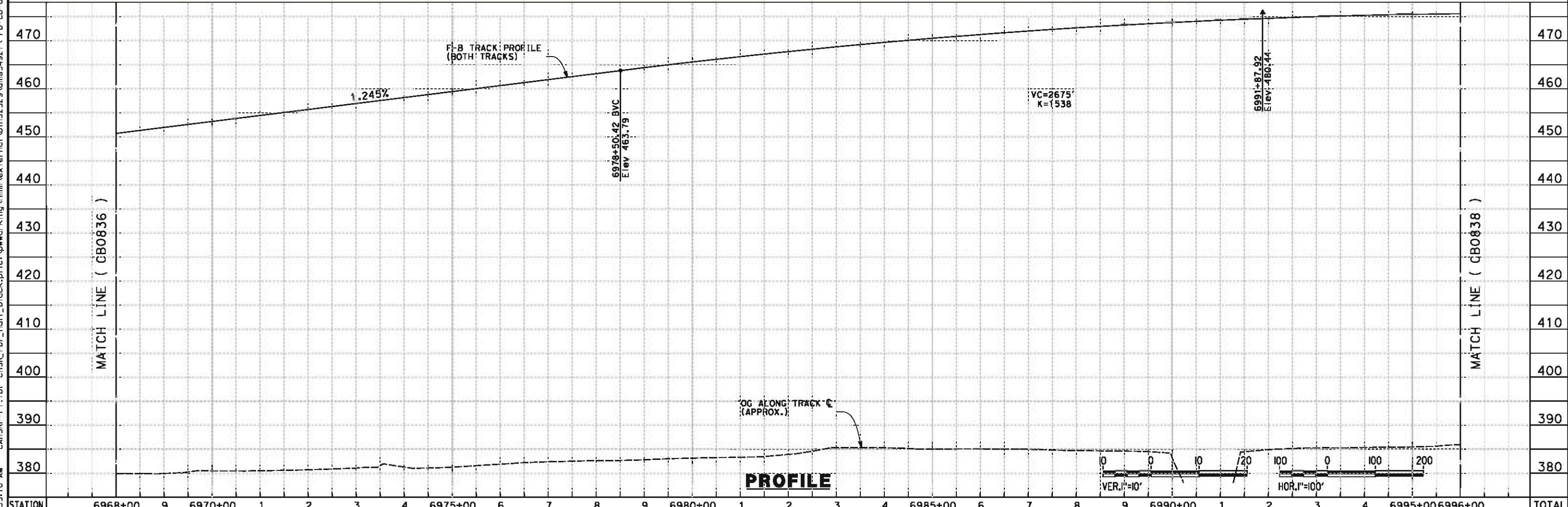
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA. 6940+00 TO 6968+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0836
SCALE
AS SHOWN
SHEET NO.
7 OF 32



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	210	19500	6.00	3.05	1720	17056

PLAN



PROFILE

STATION	6968+00	9	6970+00	1	2	3	4	6975+00	6	7	8	9	6980+00	1	2	3	4	6985+00	6	7	8	9	6990+00	1	2	3	4	6995+00	6996+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

**18% RECORD SET
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

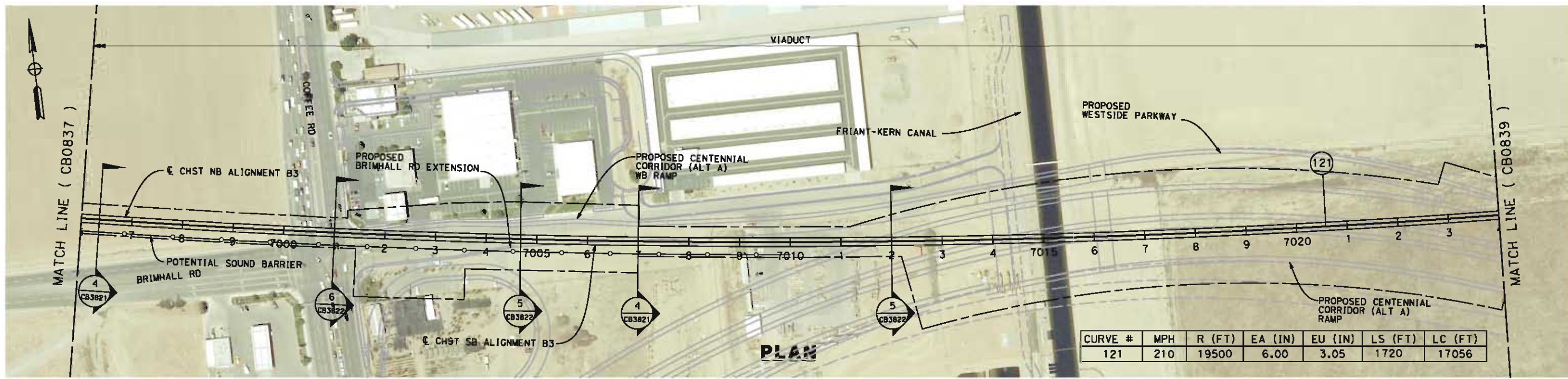


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0837
SCALE
AS SHOWN
SHEET NO.
8 OF 32

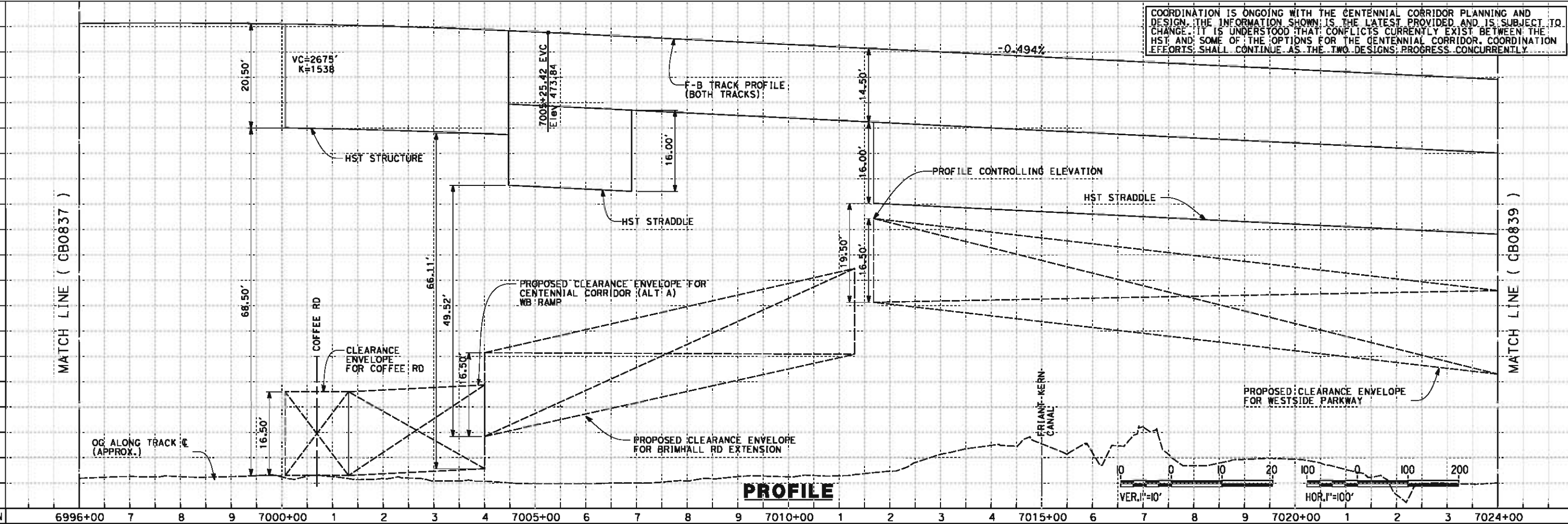
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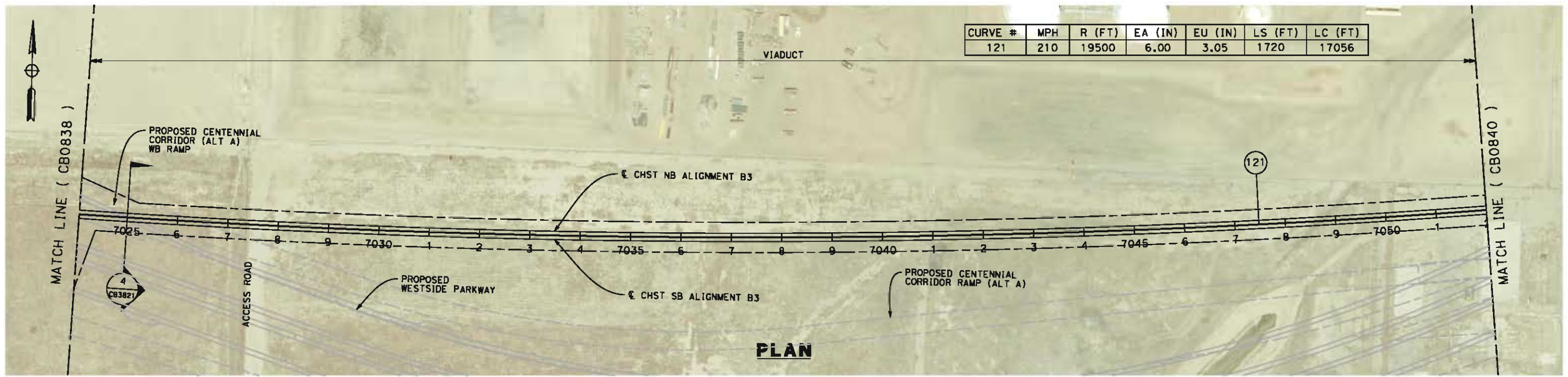
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	210	19500	6.00	3.05	1720	17056

COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY.

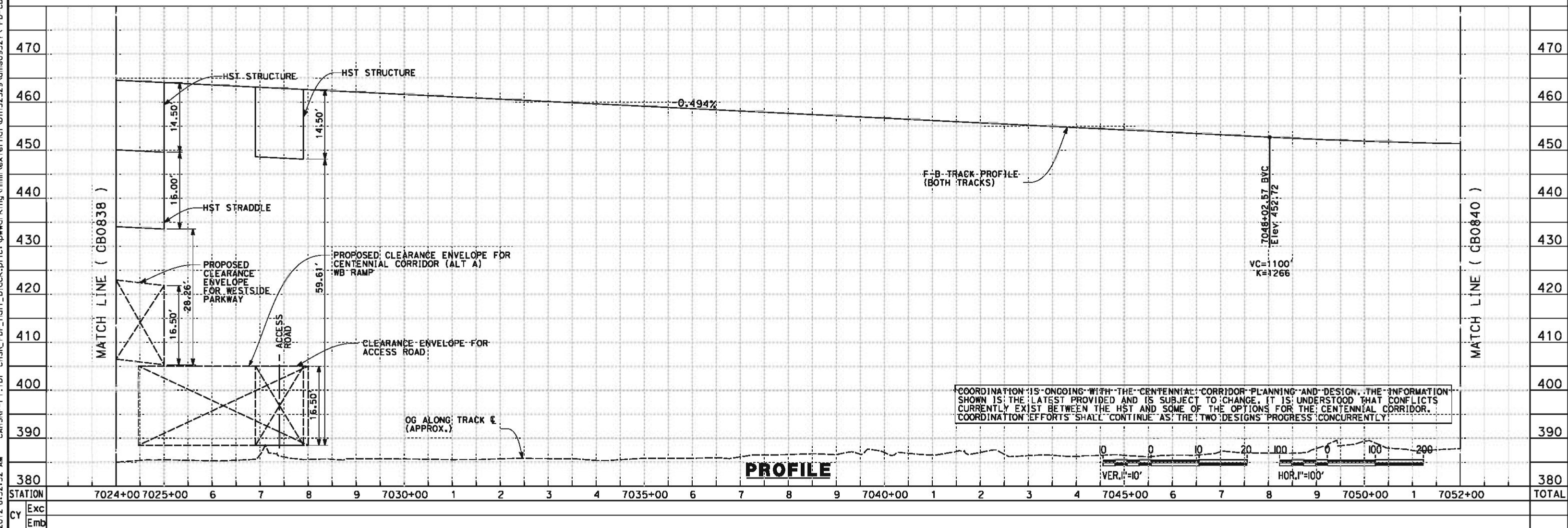


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REV	DATE	BY	CHK	APP	DESCRIPTION																						
DESIGNED BY D. MORENO																											
DRAWN BY V. ORTEGA																											
CHECKED BY J. BINNING																											
IN CHARGE O. EARLE																											
DATE 06/08/12																											
CONTRACT NO. HSR 06-0003																											
DRAWING NO. CB0838																											
SCALE AS SHOWN																											
SHEET NO. 9 OF 32																											

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PLAN



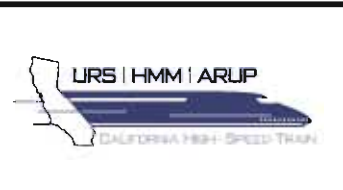
PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

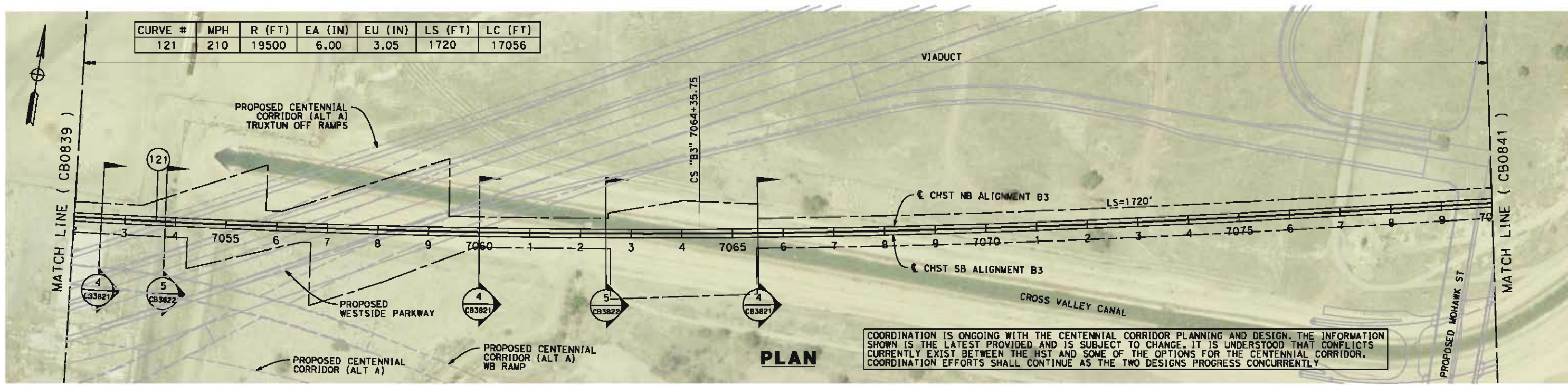
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0839
SCALE
AS SHOWN
SHEET NO.
10 OF 32

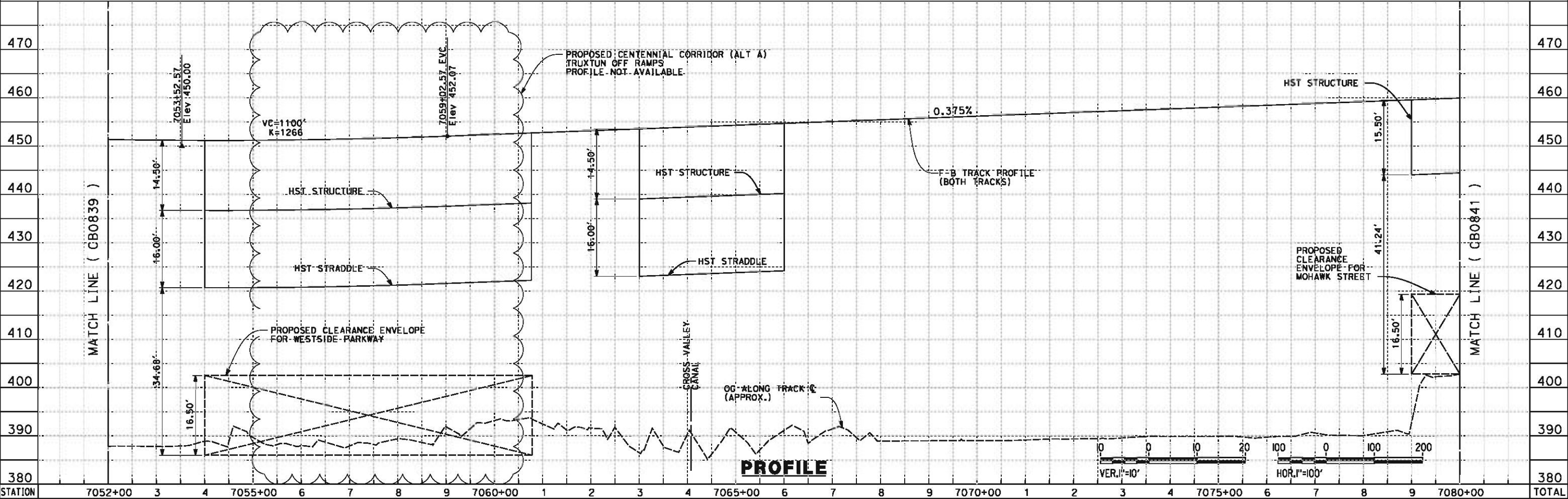
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	210	19500	6.00	3.05	1720	17056



COORDINATION IS ONGOING WITH THE CENTENNIAL CORRIDOR PLANNING AND DESIGN. THE INFORMATION SHOWN IS THE LATEST PROVIDED AND IS SUBJECT TO CHANGE. IT IS UNDERSTOOD THAT CONFLICTS CURRENTLY EXIST BETWEEN THE HST AND SOME OF THE OPTIONS FOR THE CENTENNIAL CORRIDOR. COORDINATION EFFORTS SHALL CONTINUE AS THE TWO DESIGNS PROGRESS CONCURRENTLY.

PLAN

5/14/2012 6:37:28 AM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\bin52529\dms09327\FB-CB-0840.dgn



PROFILE

STATION	7052+00	3	4	7055+00	6	7	8	9	7060+00	1	2	3	4	7065+00	6	7	8	9	7070+00	1	2	3	4	7075+00	6	7	8	9	7080+00	TOTAL
CY Exc																														
CY Emb																														

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

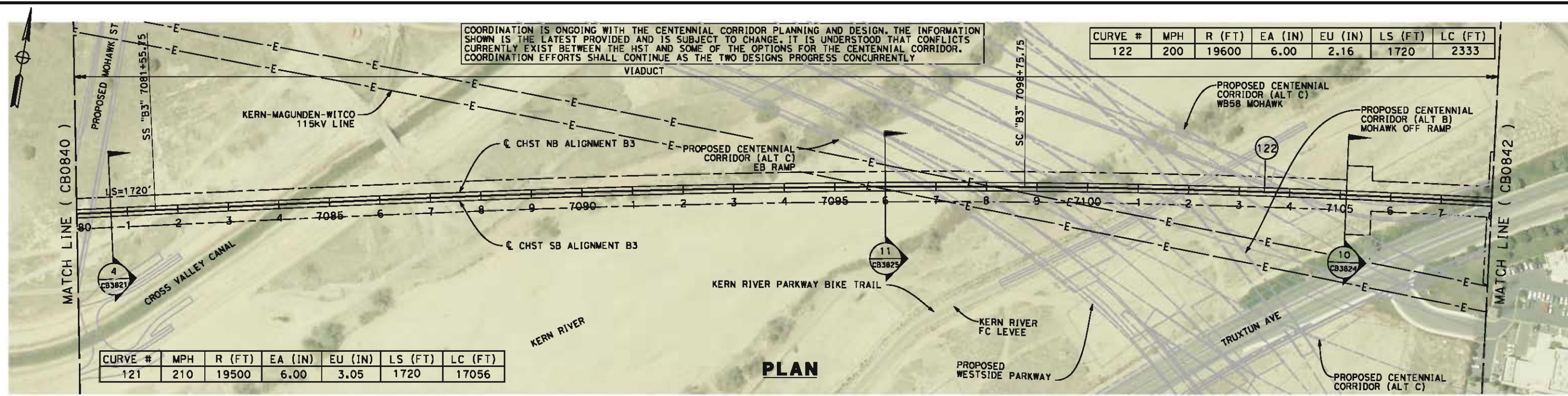
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0840
SCALE
AS SHOWN
SHEET NO.
11 OF 32

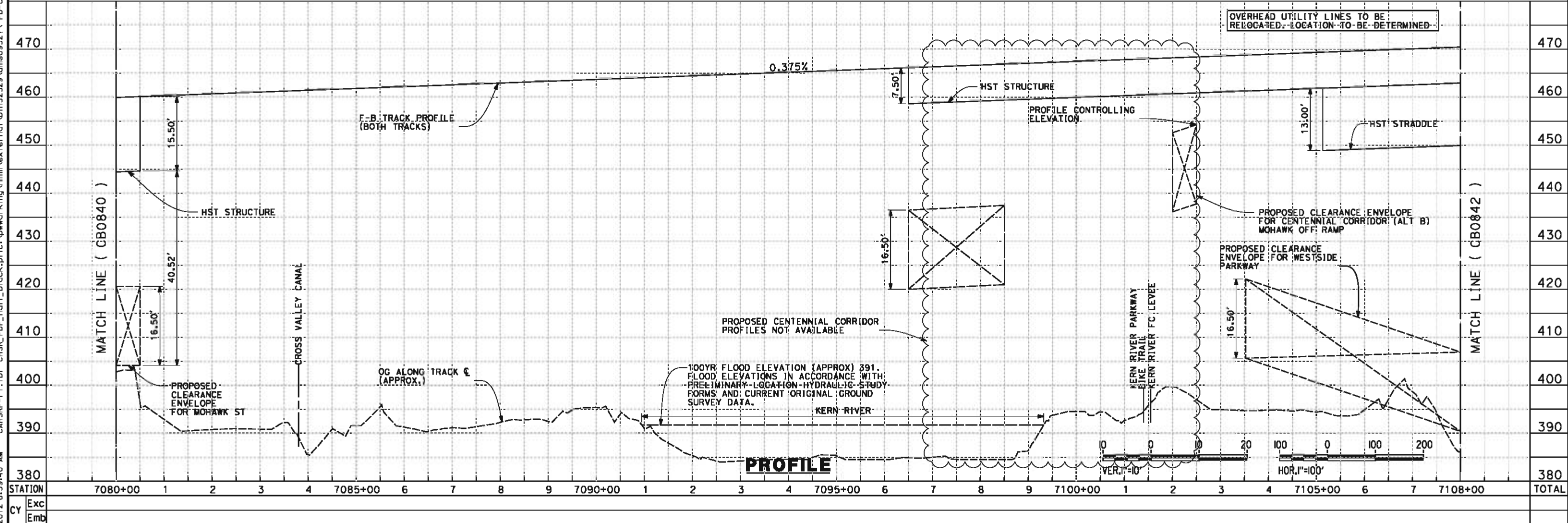
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
121	210	19500	6.00	3.05	1720	17056

PLAN



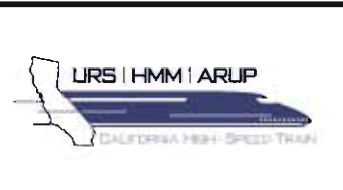
PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
05/18/12

**10% RECORD SET
DESIGN SUBMISSION**

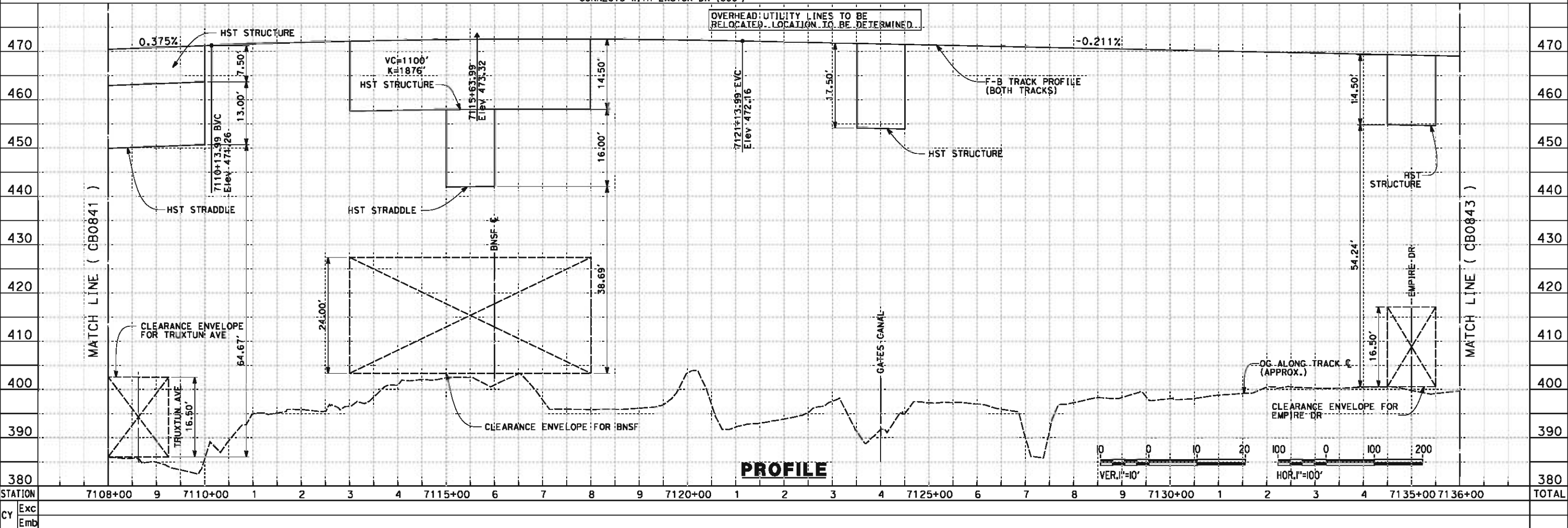
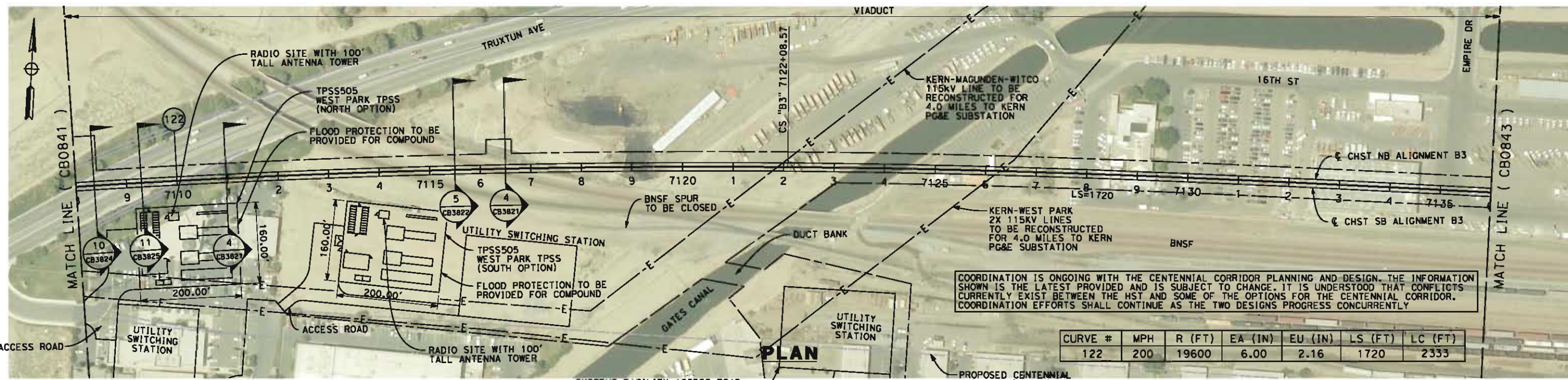
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0841
SCALE
AS SHOWN
SHEET NO.
12 OF 32

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DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
05/18/12

18% RECORD SET
DESIGN SUBMISSION

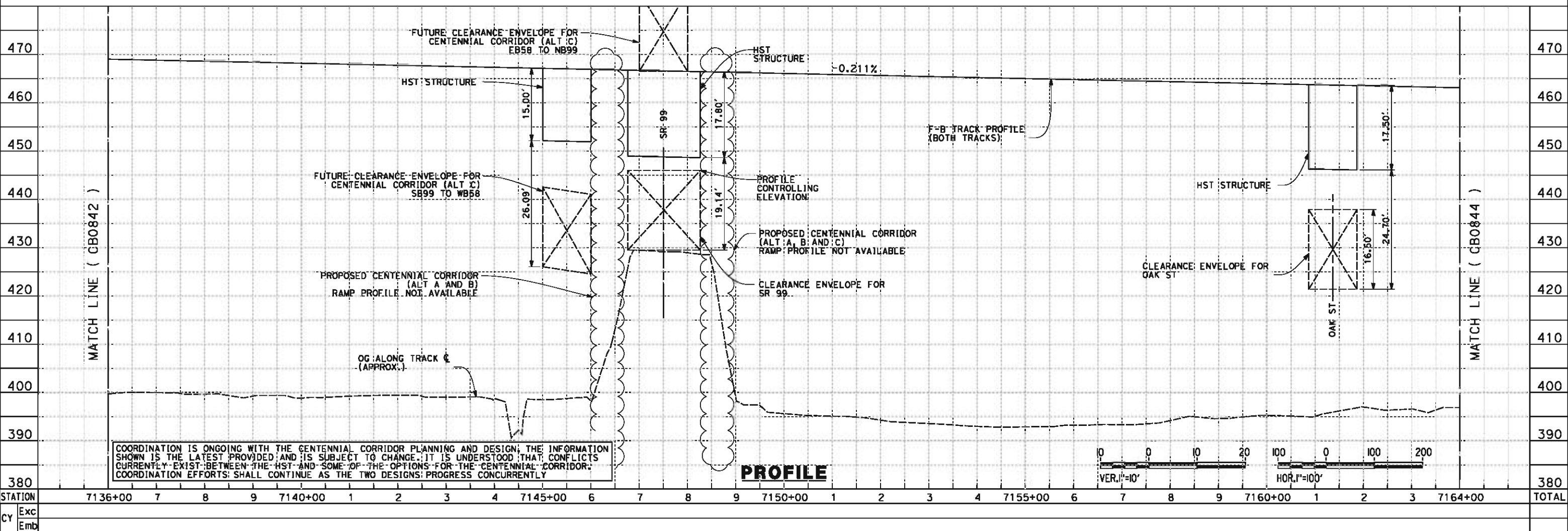
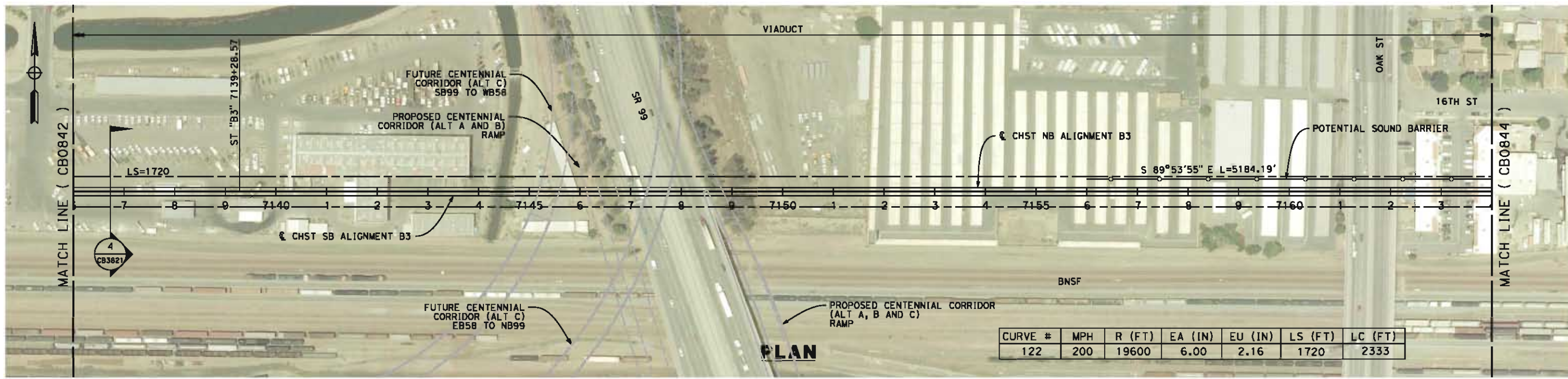
NOT FOR
CONSTRUCTION



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0842
SCALE
AS SHOWN
SHEET NO.
13 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

**18% RECORD SET
DESIGN SUBMISSION**

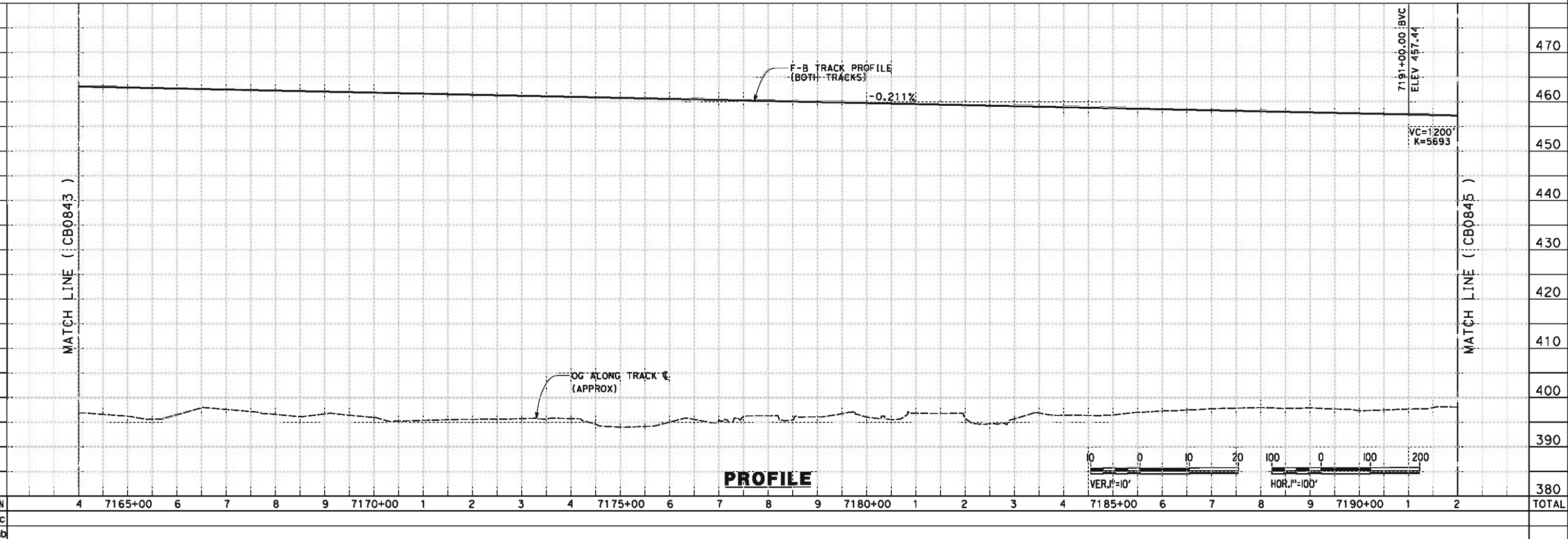
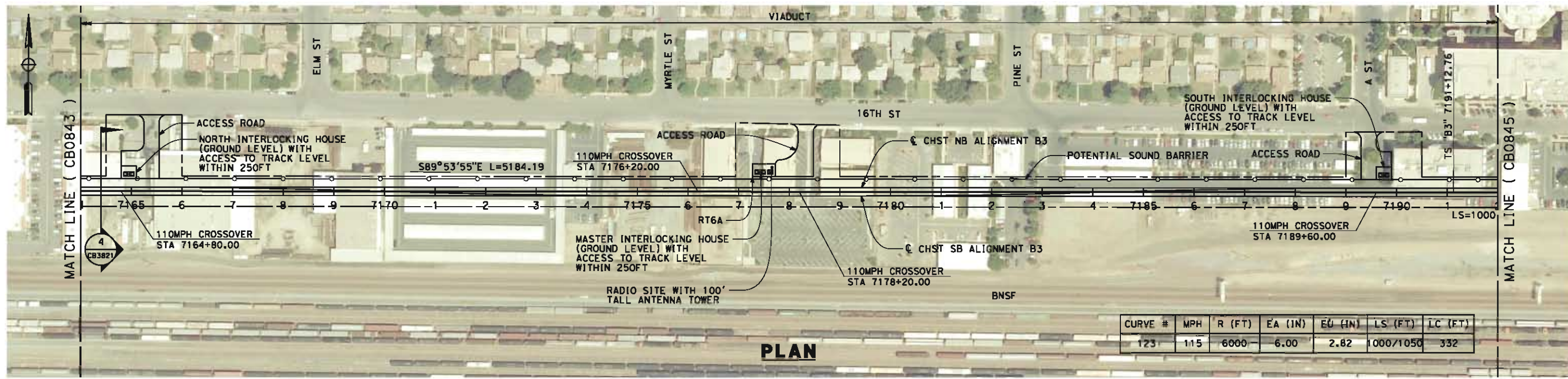
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0843
SCALE
AS SHOWN
SHEET NO.
14 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
06/08/12

**18% RECORD SET
DESIGN SUBMISSION**

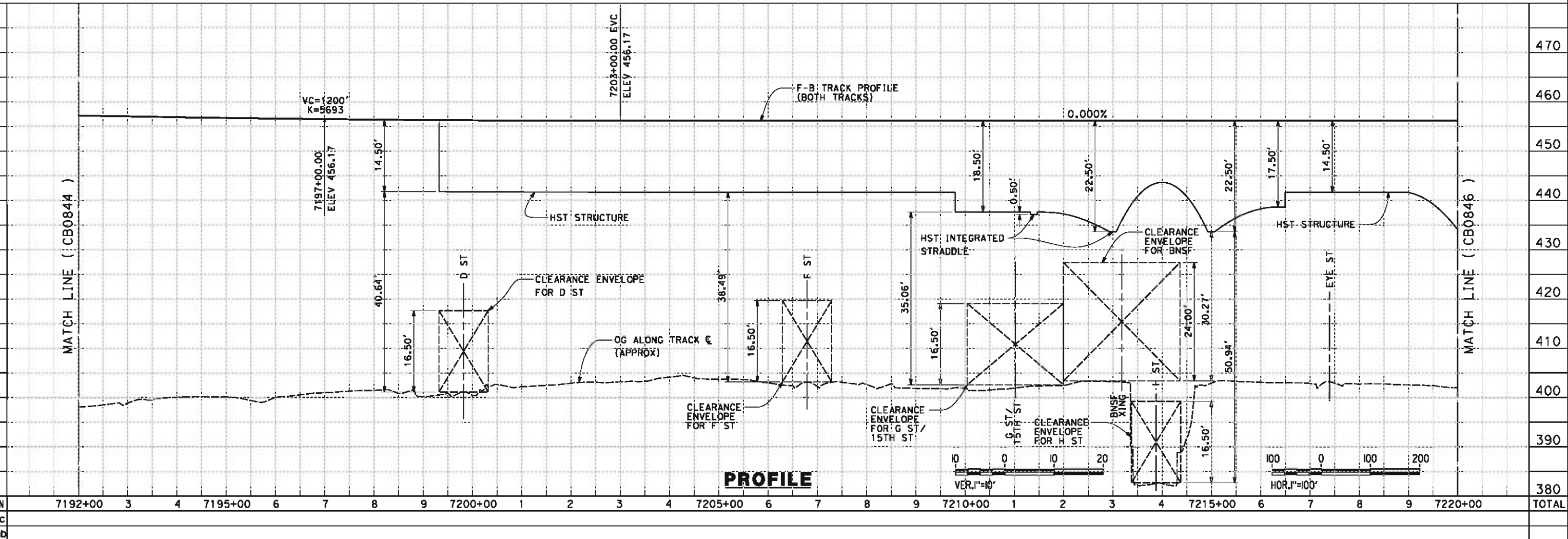
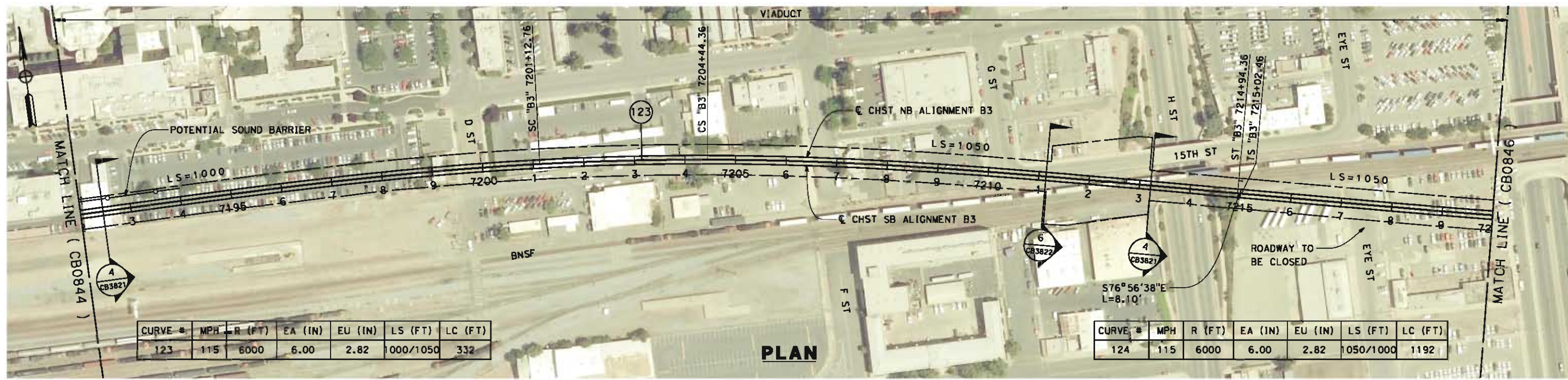
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0844
SCALE
AS SHOWN
SHEET NO.
15 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
06/08/12

**18% RECORD SET
DESIGN SUBMISSION**

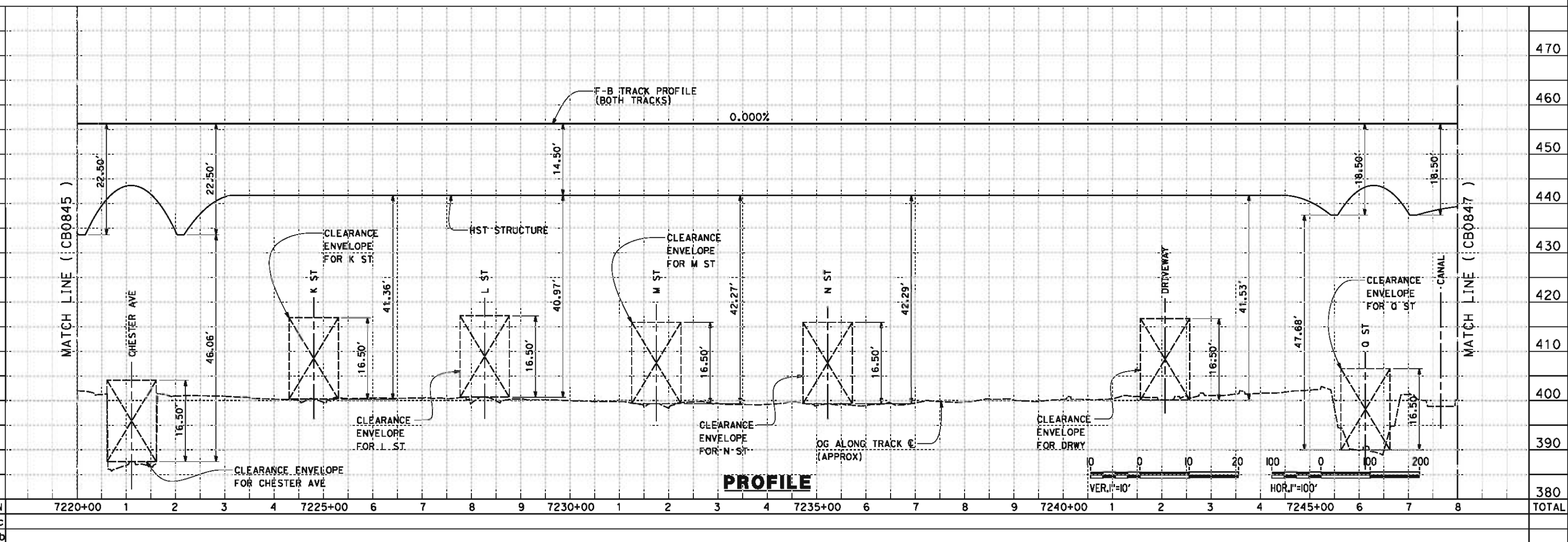
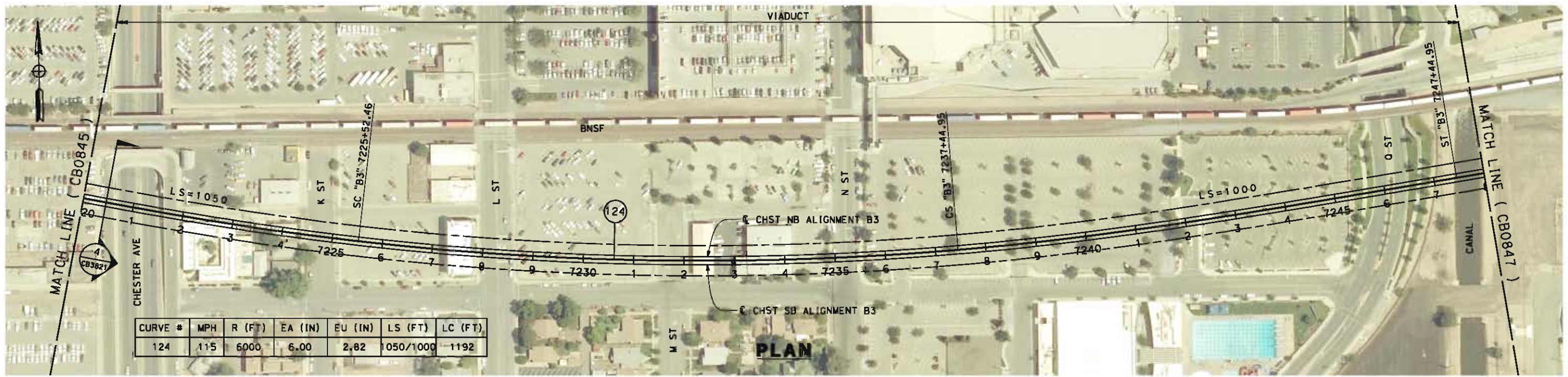
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0845
 SCALE
AS SHOWN
 SHEET NO.
16 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

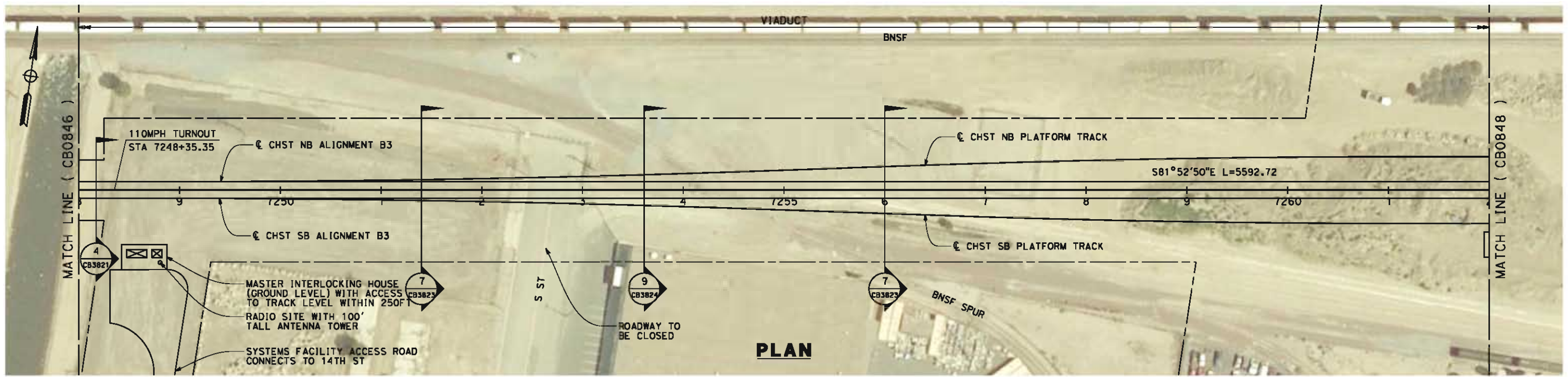
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CONSTRUCTION**



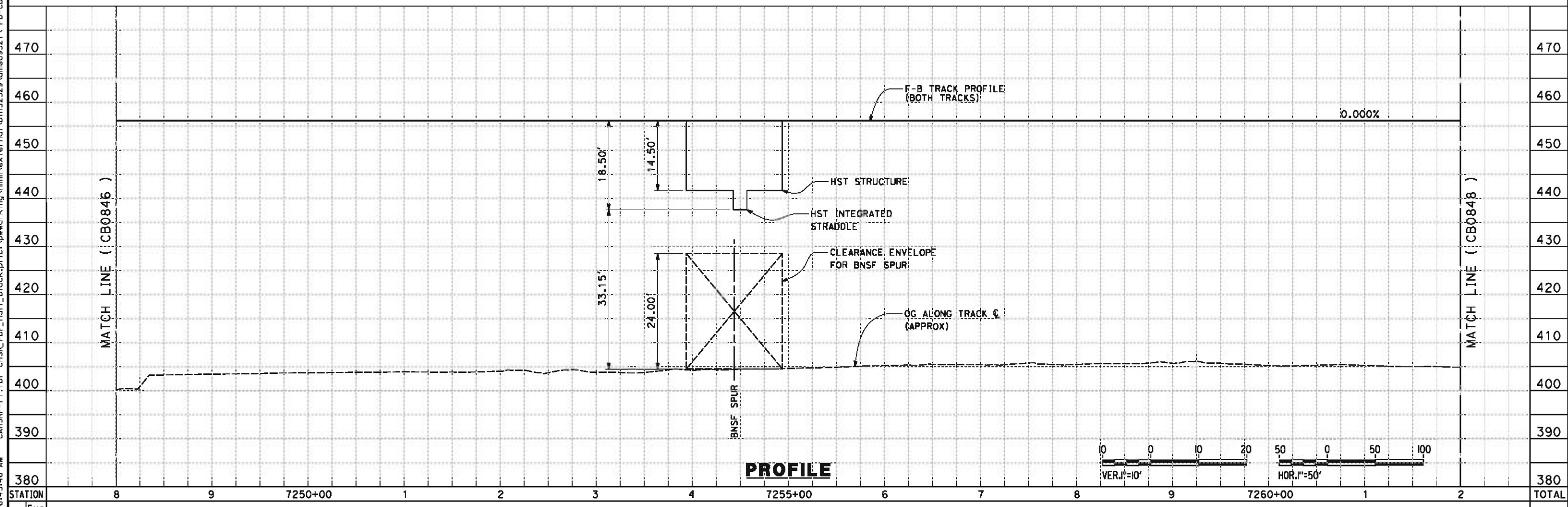
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA 7220+00 TO 7248+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0846
 SCALE
AS SHOWN
 SHEET NO.
17 OF 32

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PLAN

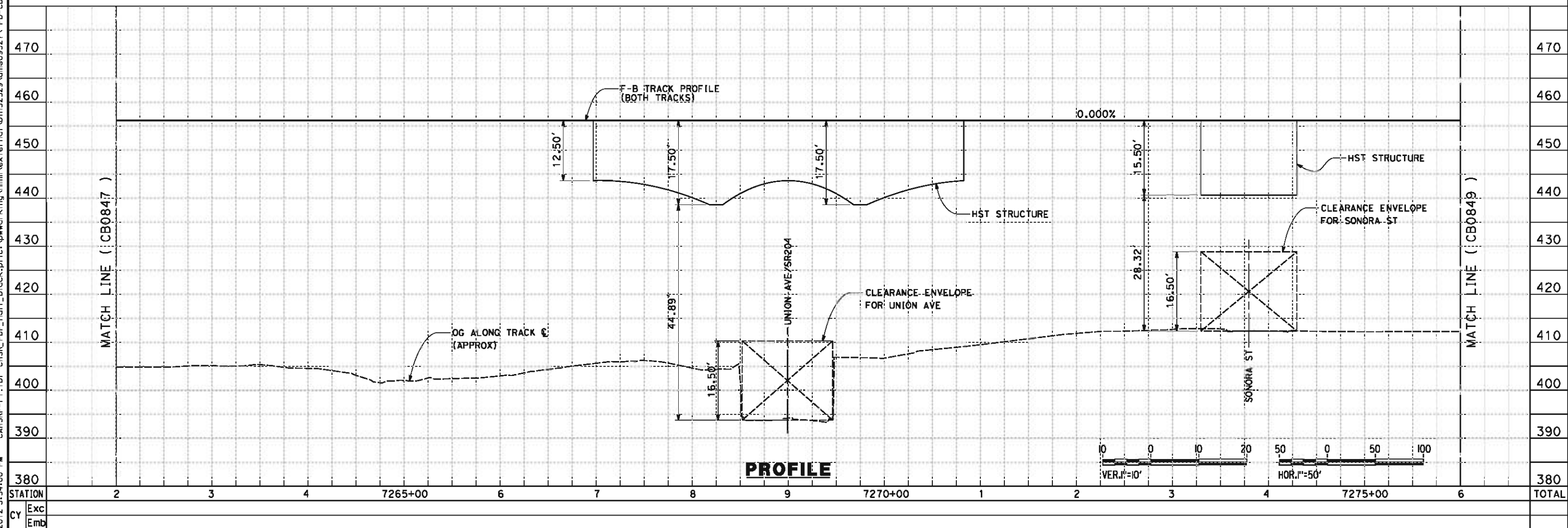
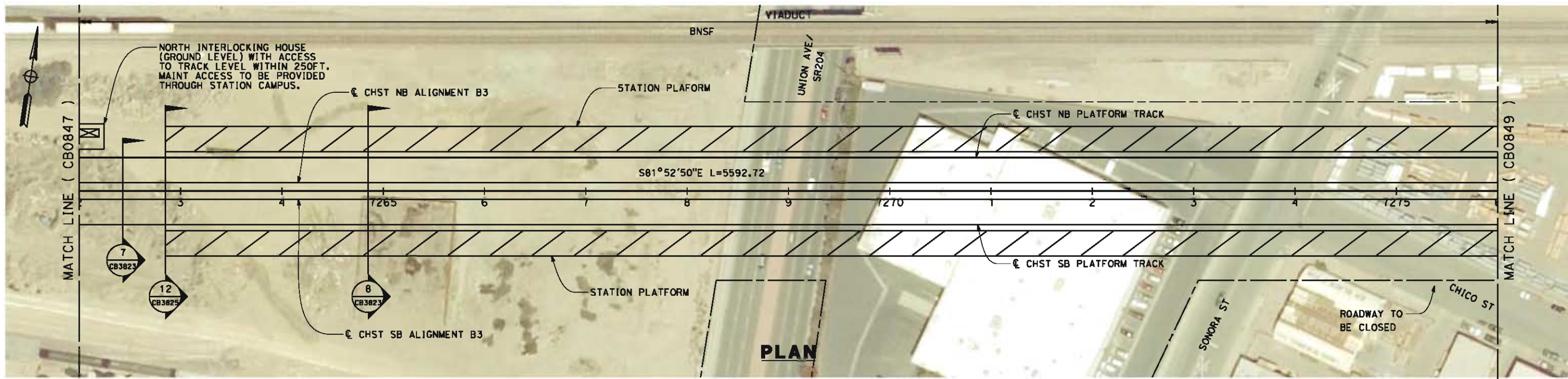


PROFILE

STATION	8	9	7250+00	1	2	3	7255+00	6	7	8	7260+00	1	2	TOTAL
CY	Exc	Emb												

DESIGNED BY D. MORENO DRAWN BY V. ORTEGA CHECKED BY J. BINNING IN CHARGE O. EARLE DATE 05/18/12	10% RECORD SET DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD BAKERSFIELD URBAN SUBSECTION ALIGNMENT B3 STA 7248+00 TO 7262+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB0847 SCALE AS SHOWN SHEET NO. 18 OF 32
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

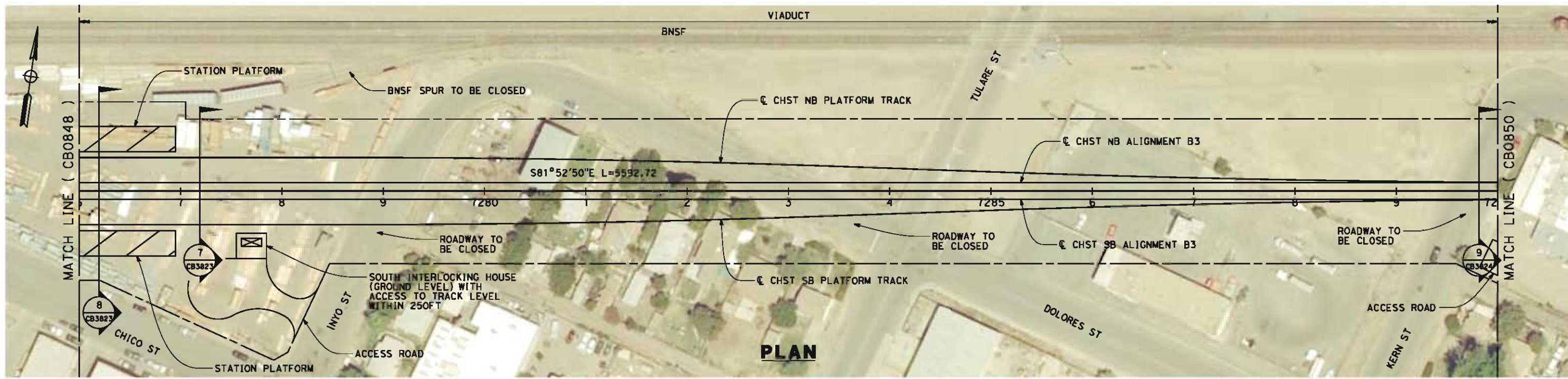
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CONSTRUCTION**



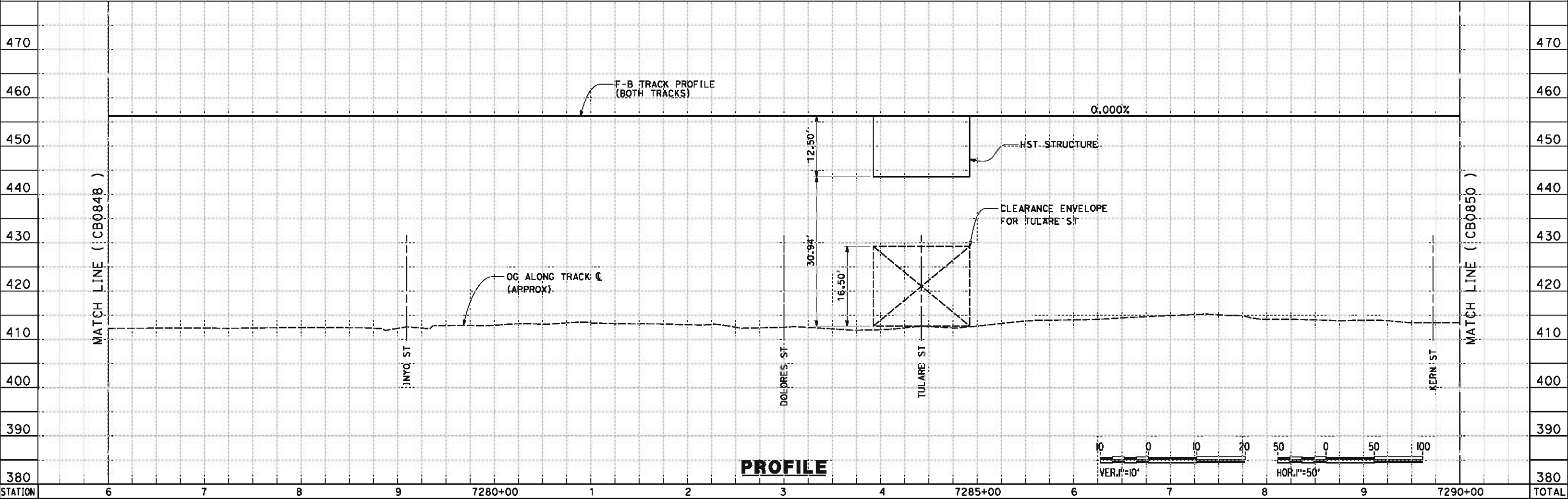
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA 7262+00 TO 7276+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0848
 SCALE
AS SHOWN
 SHEET NO.
19 OF 32

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PLAN



PROFILE

STATION	6	7	8	9	7280+00	1	2	3	4	7285+00	6	7	8	9	7290+00	TOTAL
Exc																
Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
05/18/12

**10% RECORD SET
DESIGN SUBMISSION**

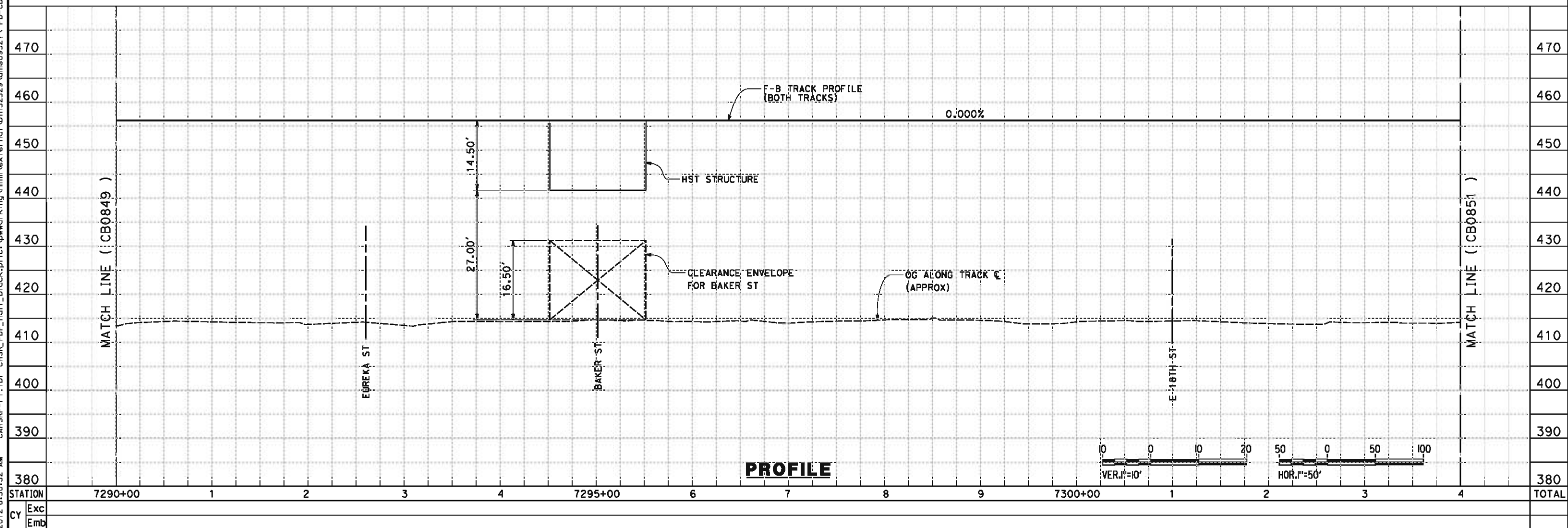
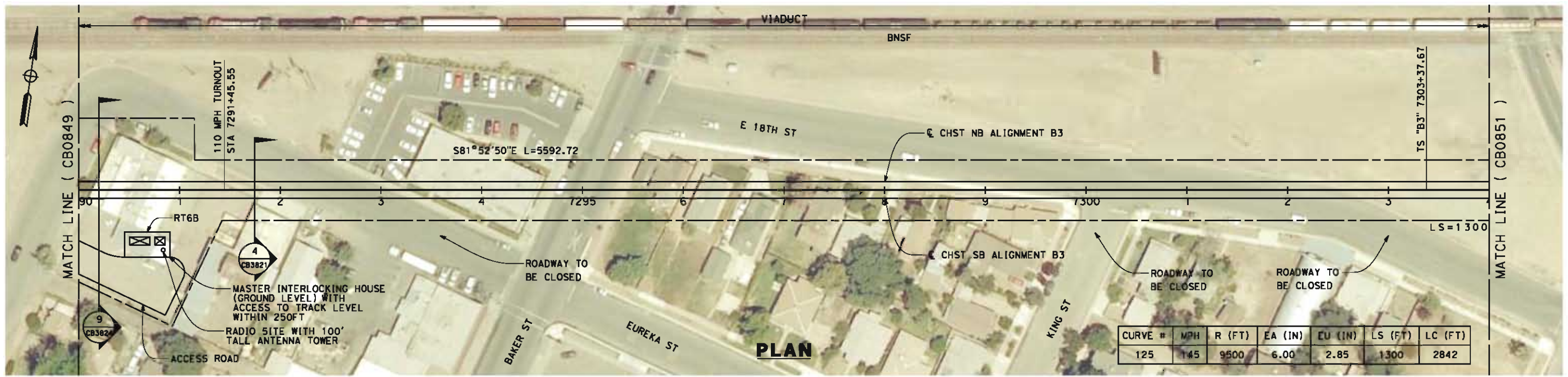
**NOT FOR
CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0849
 SCALE
AS SHOWN
 SHEET NO.
20 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
DRAWN BY
V. ORTEGA
CHECKED BY
J. BINNING
IN CHARGE
O. EARLE
DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

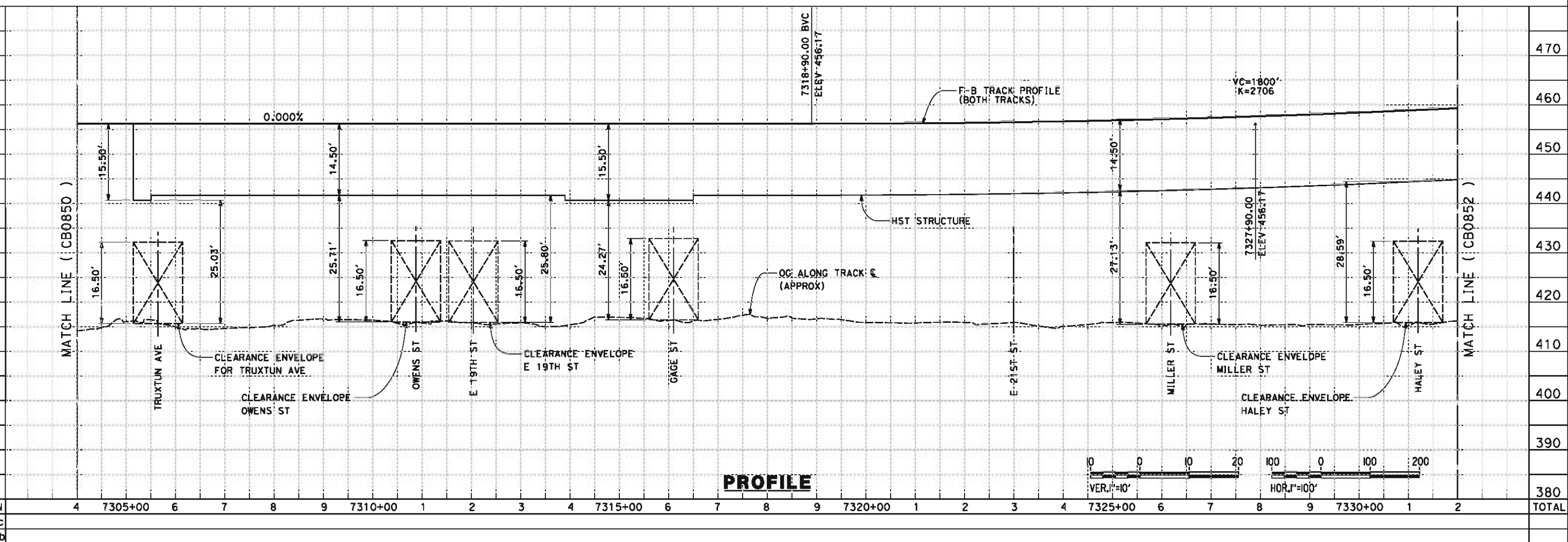
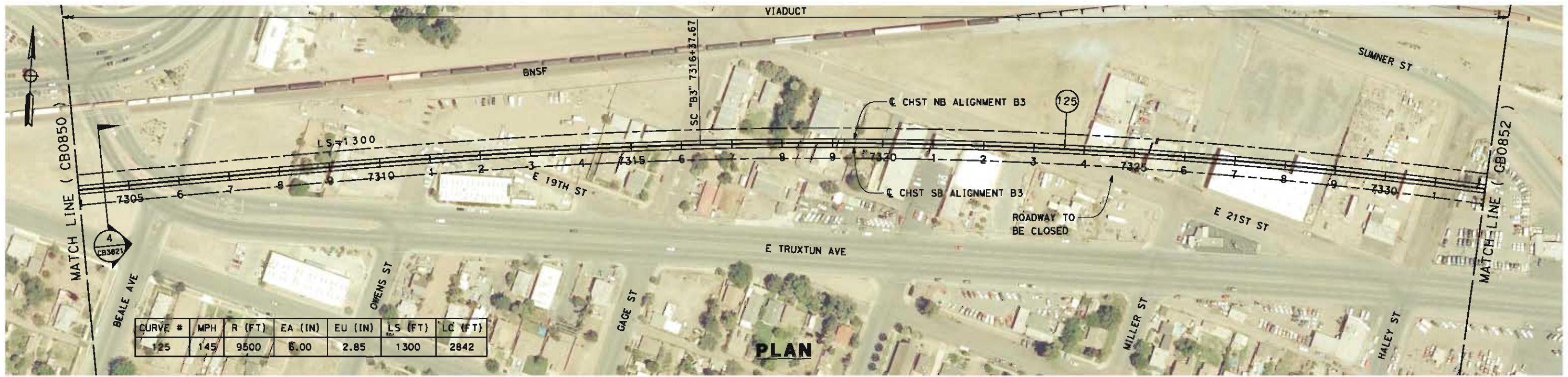
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA 7290+00 TO 7304+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0850
SCALE
AS SHOWN
SHEET NO.
21 OF 32

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MORENO
 DRAWN BY
V. ORTEGA
 CHECKED BY
J. BINNING
 IN CHARGE
O. EARLE
 DATE
05/18/12

**18% RECORD SET
DESIGN SUBMISSION**

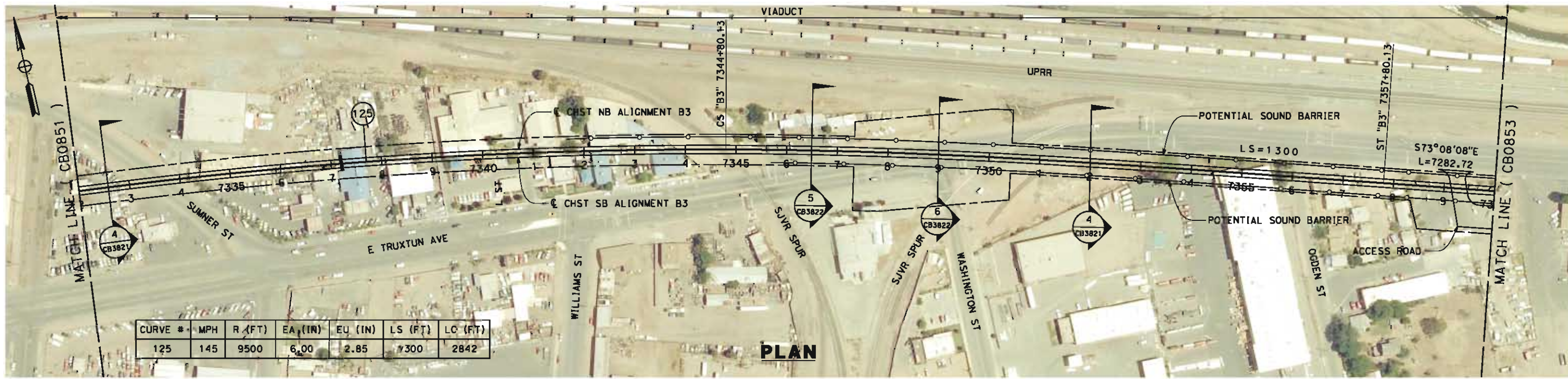
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CONSTRUCTION**



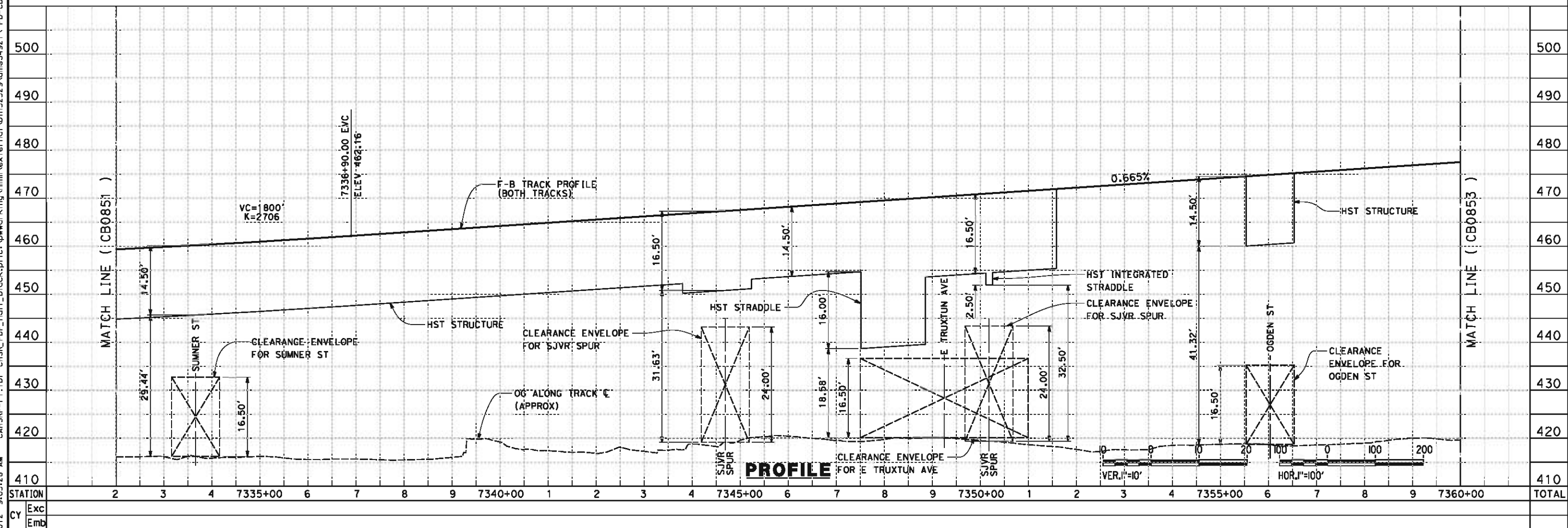
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA 7304+00 TO 7332+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0851
 SCALE
AS SHOWN
 SHEET NO.
22 OF 32

6/4/2012 9:05:28 AM CAHSR-r1.tbl CHSR_PDF_half_black.plt: \\pwworking\hmm\external\bin52529\dms34921\FB-CB-0852.dgn



PLAN



PROFILE

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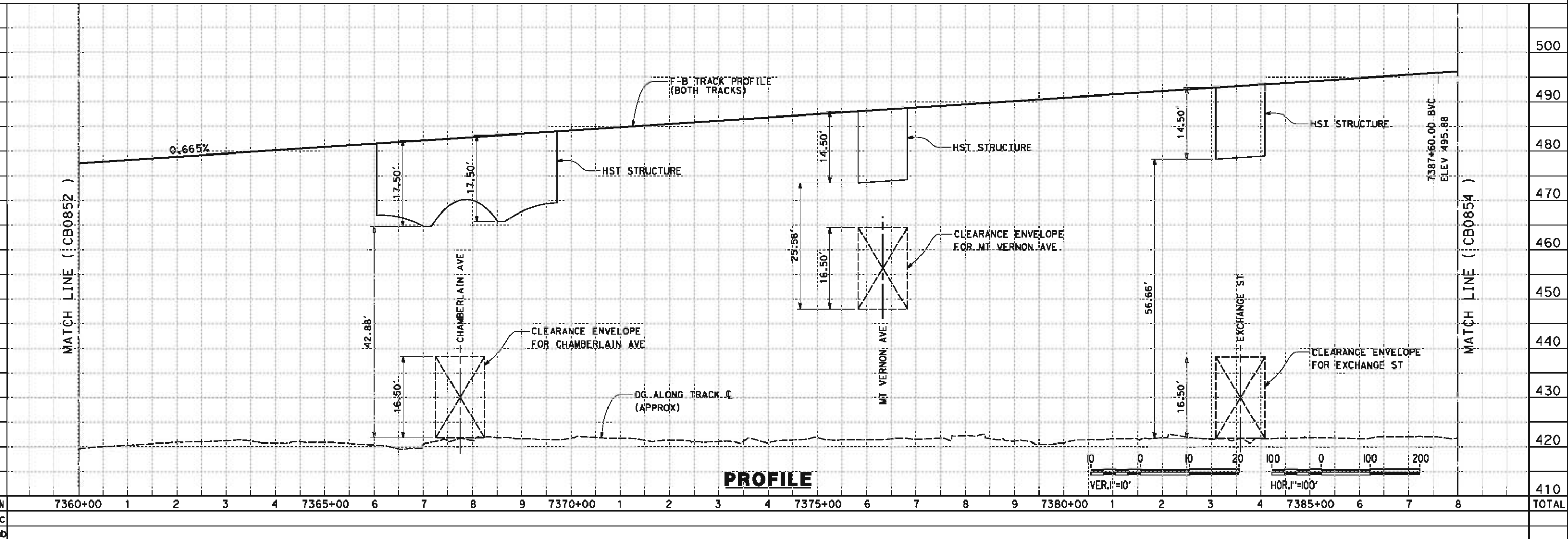
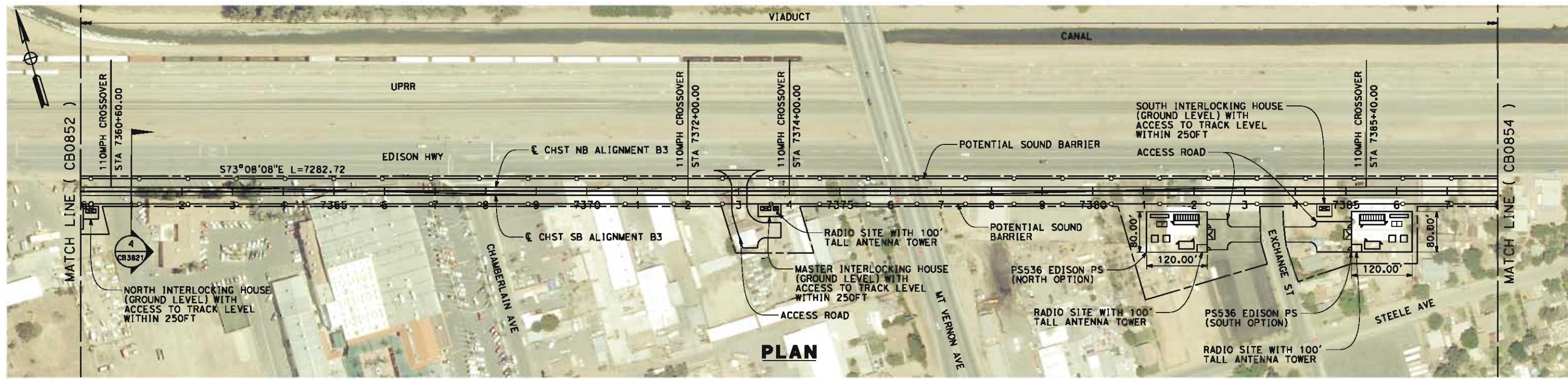
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CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0852
 SCALE
AS SHOWN
 SHEET NO.
23 OF 32

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J. BINNING
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O. EARLE
 DATE
06/08/12

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DESIGN SUBMISSION**

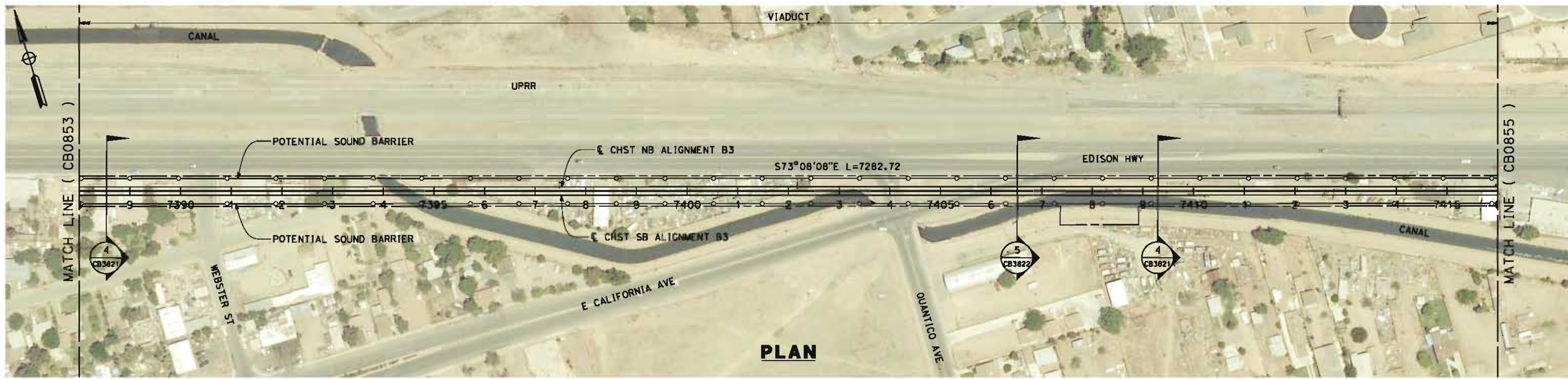
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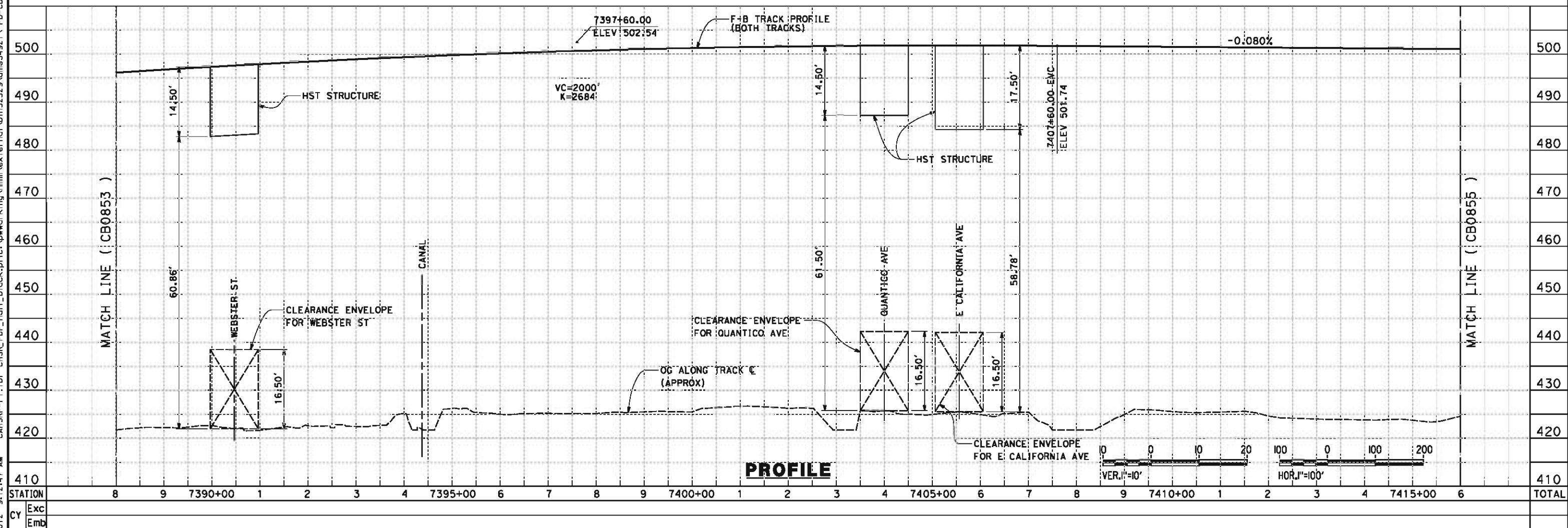
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FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 STA 7360+00 TO 7388+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0853
 SCALE
AS SHOWN
 SHEET NO.
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PLAN



PROFILE

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DATE
06/08/12

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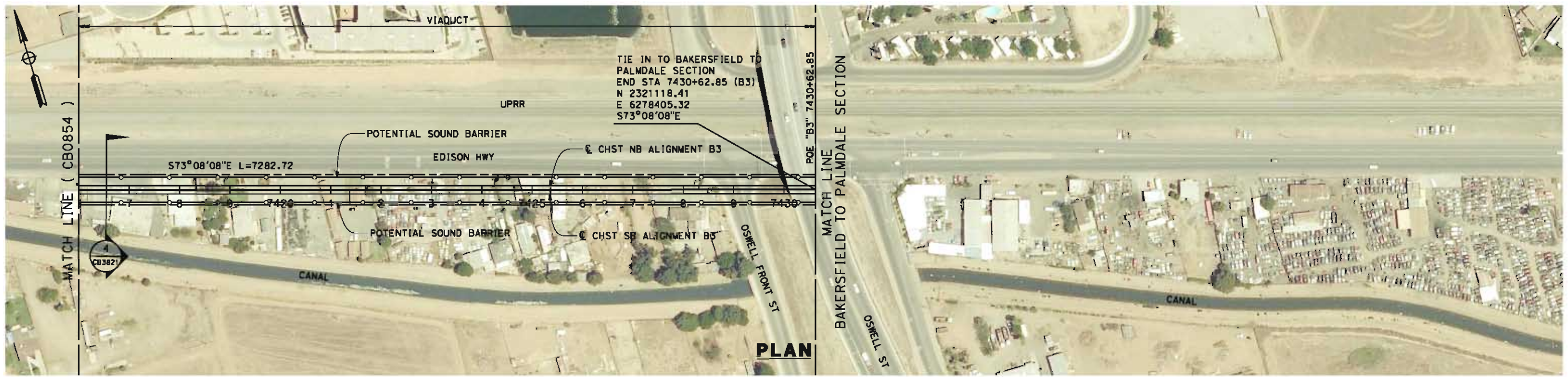
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CONSTRUCTION**



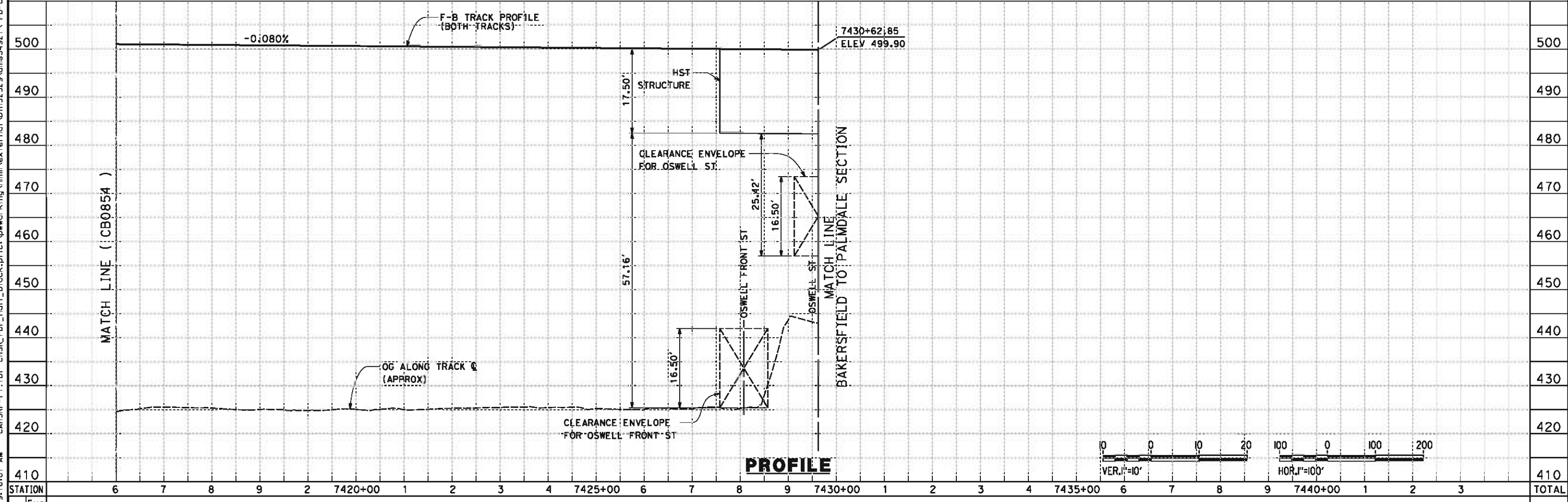
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA 7388+00 TO 7416+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0854
SCALE
AS SHOWN
SHEET NO.
25 OF 32

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PLAN



PROFILE

STATION	6	7	8	9	2	7420+00	1	2	3	4	7425+00	6	7	8	9	7430+00	1	2	3	4	7435+00	6	7	8	9	7440+00	1	2	3	TOTAL
CY																														
	Exc																													
	Emb																													

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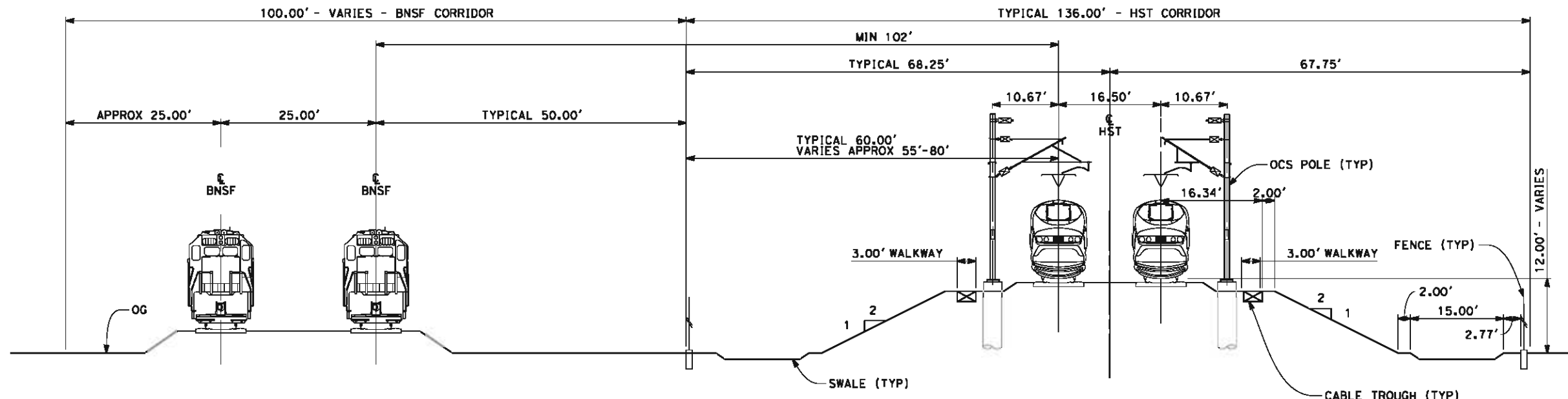
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
STA 7416+00 TO 7430+62
PLAN AND PROFILE

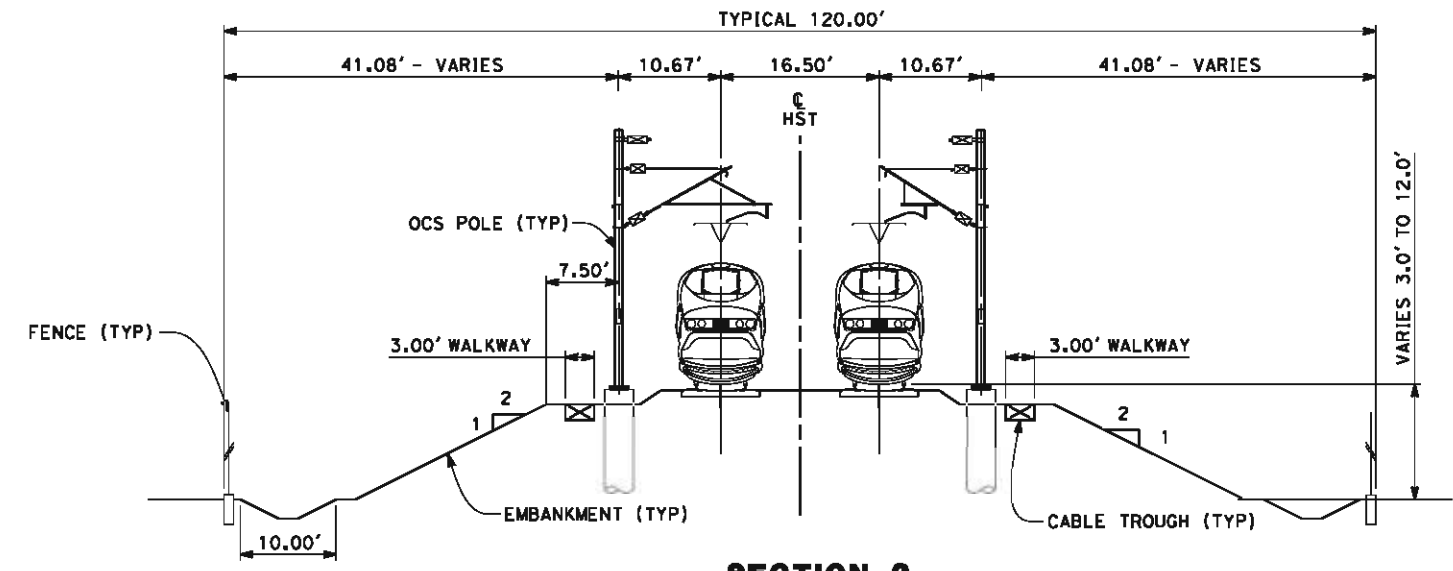
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0855
SCALE
AS SHOWN
SHEET NO.
26 OF 32

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. BNSF RELOCATED BEYOND STATION 6829+81.36.
 3. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 4. INDICATIVE BNSF RELOCATION SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



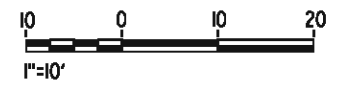
SECTION 1

HST AT GRADE LOOKING SOUTHBOUND
STA "B3" 6799+52 TO 6917+80



SECTION 2

TWIN TRACK ON EMBANKMENT
LOOKING SOUTHBOUND
STA "B3" 6917+80 TO 6921+50



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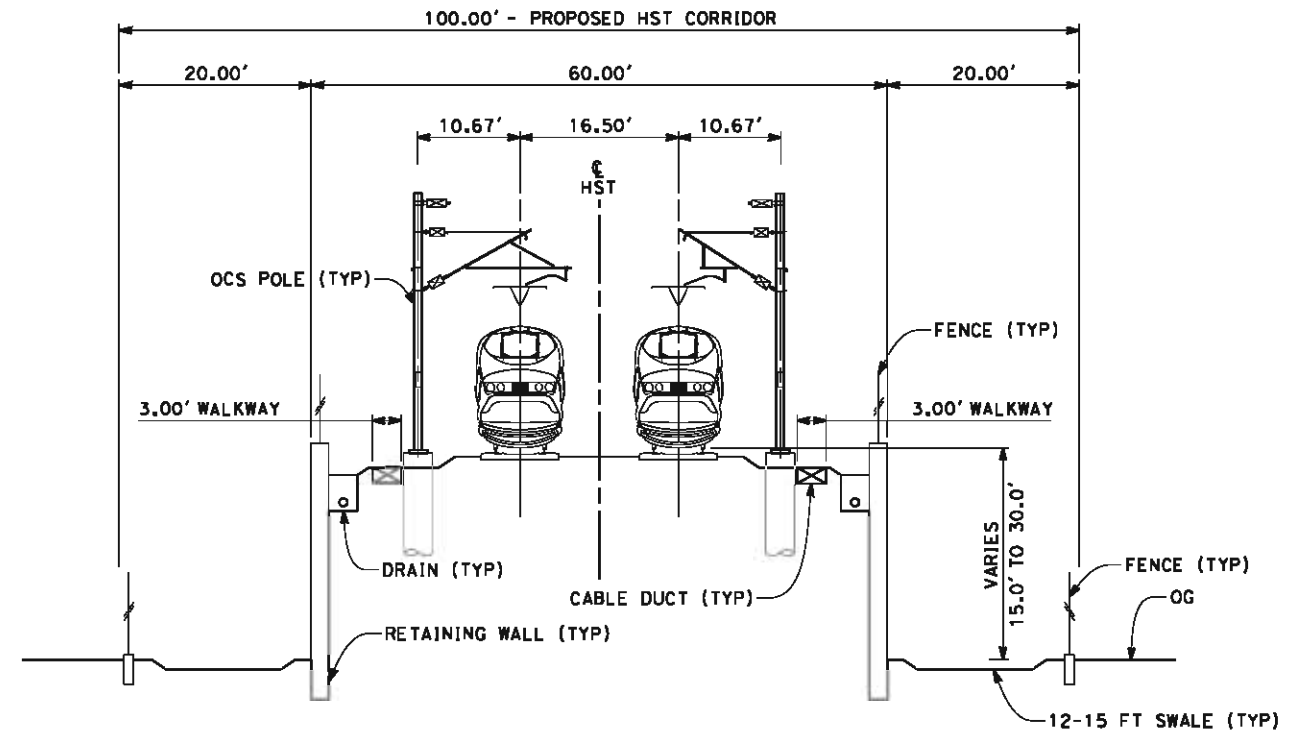
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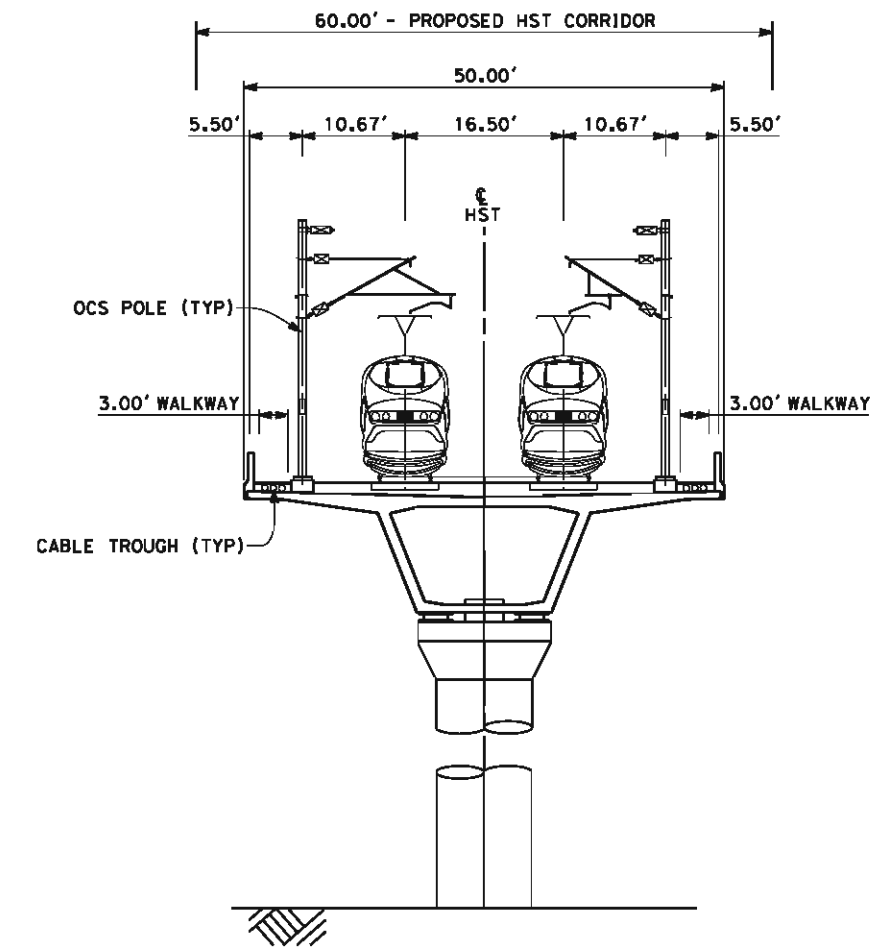
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
BAKERSFIELD URBAN SUBSECTION
ALIGNMENT B3
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3820
SCALE
AS SHOWN
SHEET NO.
27 OF 32

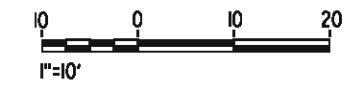
- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3
 TWIN TRACK ON RETAINING WALL
 LOOKING SOUTHBOUND
 STA "B3" 6921+50 TO 6930+70



SECTION 4
 TWIN TRACK AERIAL STRUCTURE LOOKING SOUTHBOUND
 STA "B3" 6930+70 TO 6999+80
 STA "B3" 7006+70 TO 7011+10
 STA "B3" 7024+20 TO 7053+20
 STA "B3" 7059+20 TO 7061+60
 STA "B3" 7065+20 TO 7096+00
 STA "B3" 7111+00 TO 7115+20
 STA "B3" 7116+40 TO 7209+80
 STA "B3" 7213+00 TO 7248+50
 STA "B3" 7290+90 TO 7346+40
 STA "B3" 7351+60 TO 7406+30
 STA "B3" 7408+70 TO 7430+62



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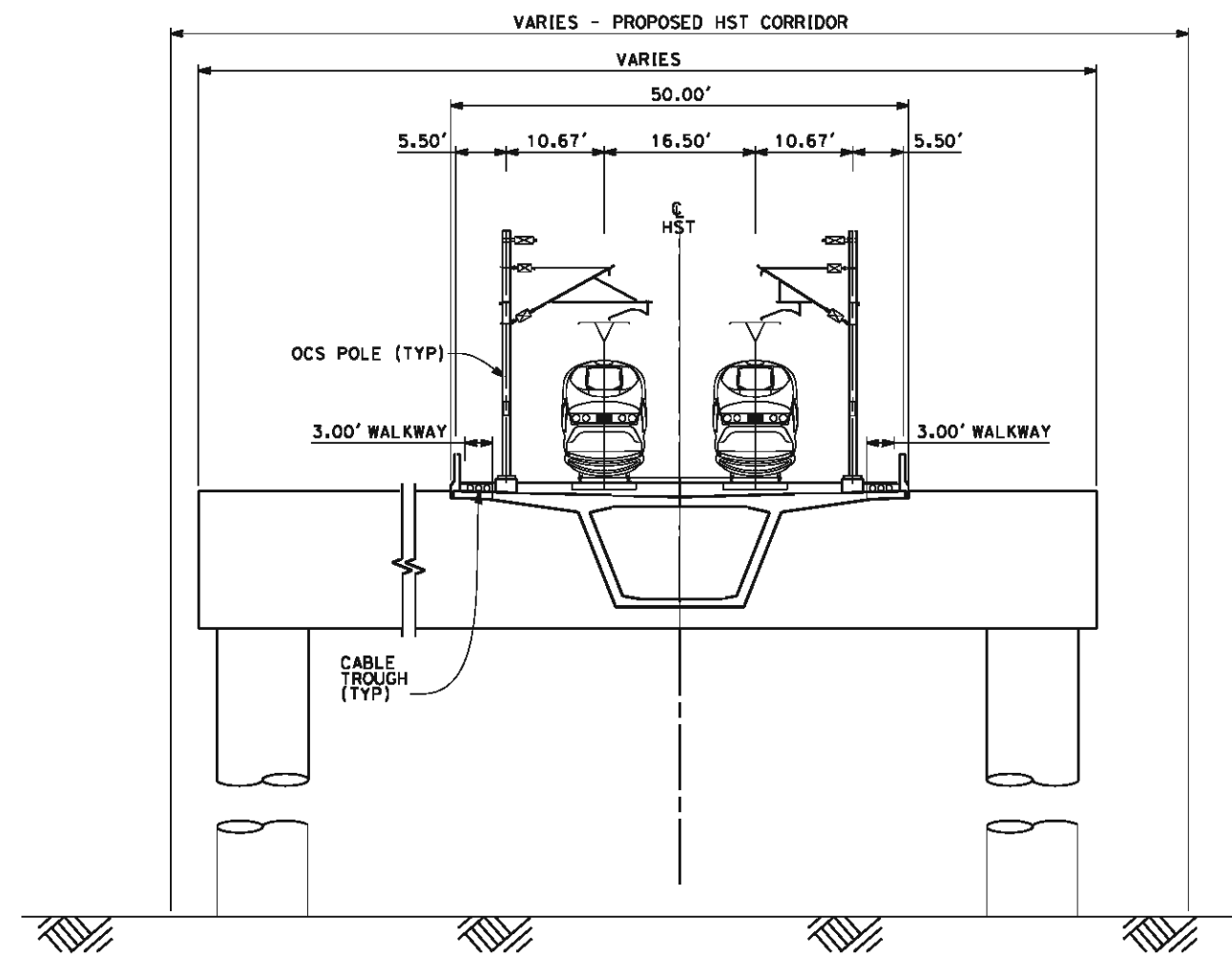
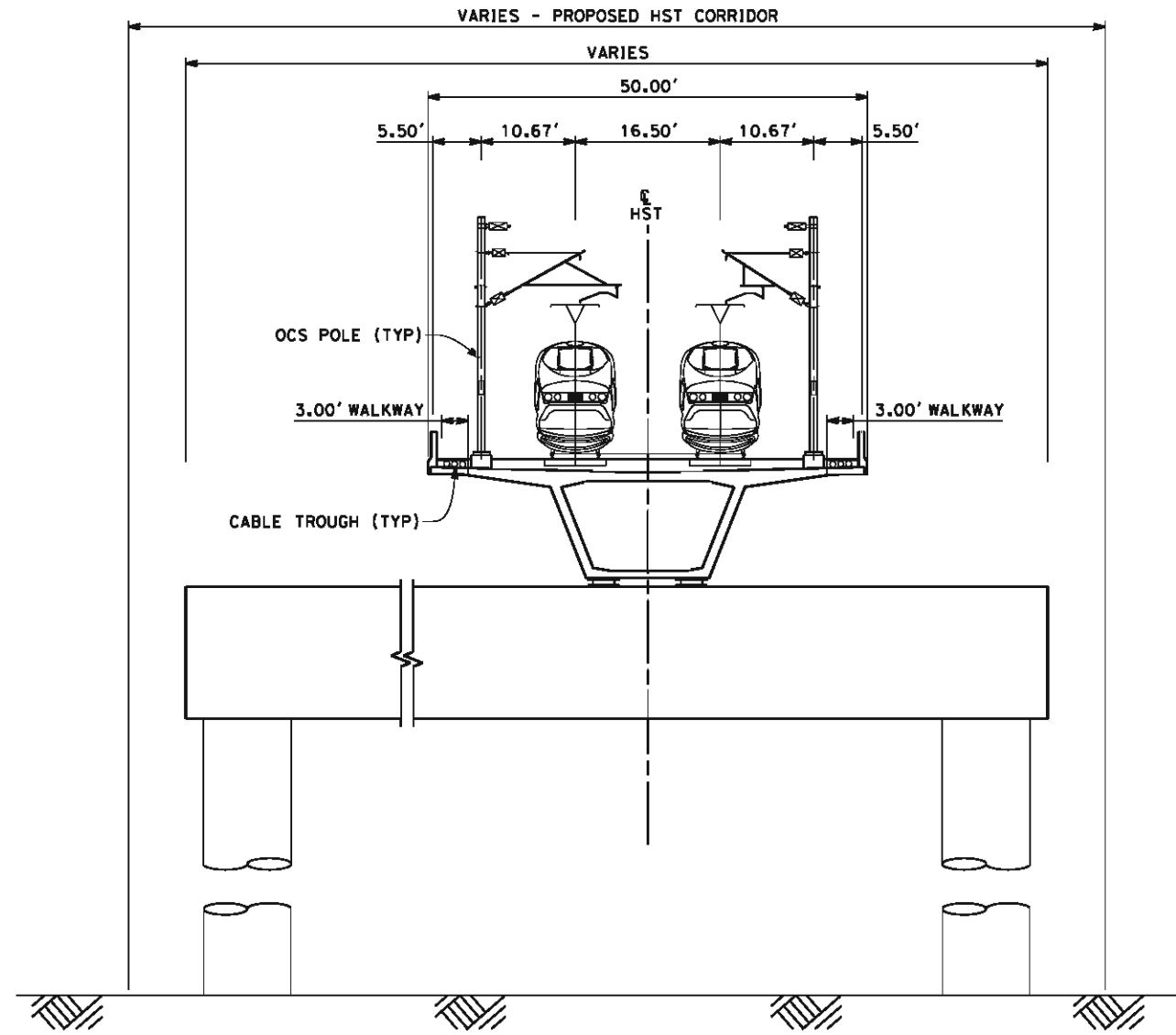
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3821
 SCALE
AS SHOWN
 SHEET NO.
28 OF 32

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



SECTION 5

TWIN TRACK AERIAL STRUCTURE
 OVERLAPPING WESTSIDE PARKWAY LOOKING SOUTHBOUND
 STA "B3" 7004+50 TO 7006+70
 STA "B3" 7011+10 TO 7024+20
 STA "B3" 7053+20 TO 7059+20
 STA "B3" 7061+60 TO 7065+20
 STA "B3" 7115+20 TO 7116+40
 STA "B3" 7346+40 TO 7348+80
 STA "B3" 7406+30 TO 7408+70

SECTION 6

SEGMENTAL/CIP TWO TRACK OUTRIGGER SECTION
 LOOKING SOUTHBOUND
 STA "B3" 6999+80 TO 7004+50
 STA "B3" 7209+80 TO 7213+00
 STA "B3" 7348+80 TO 7351+60



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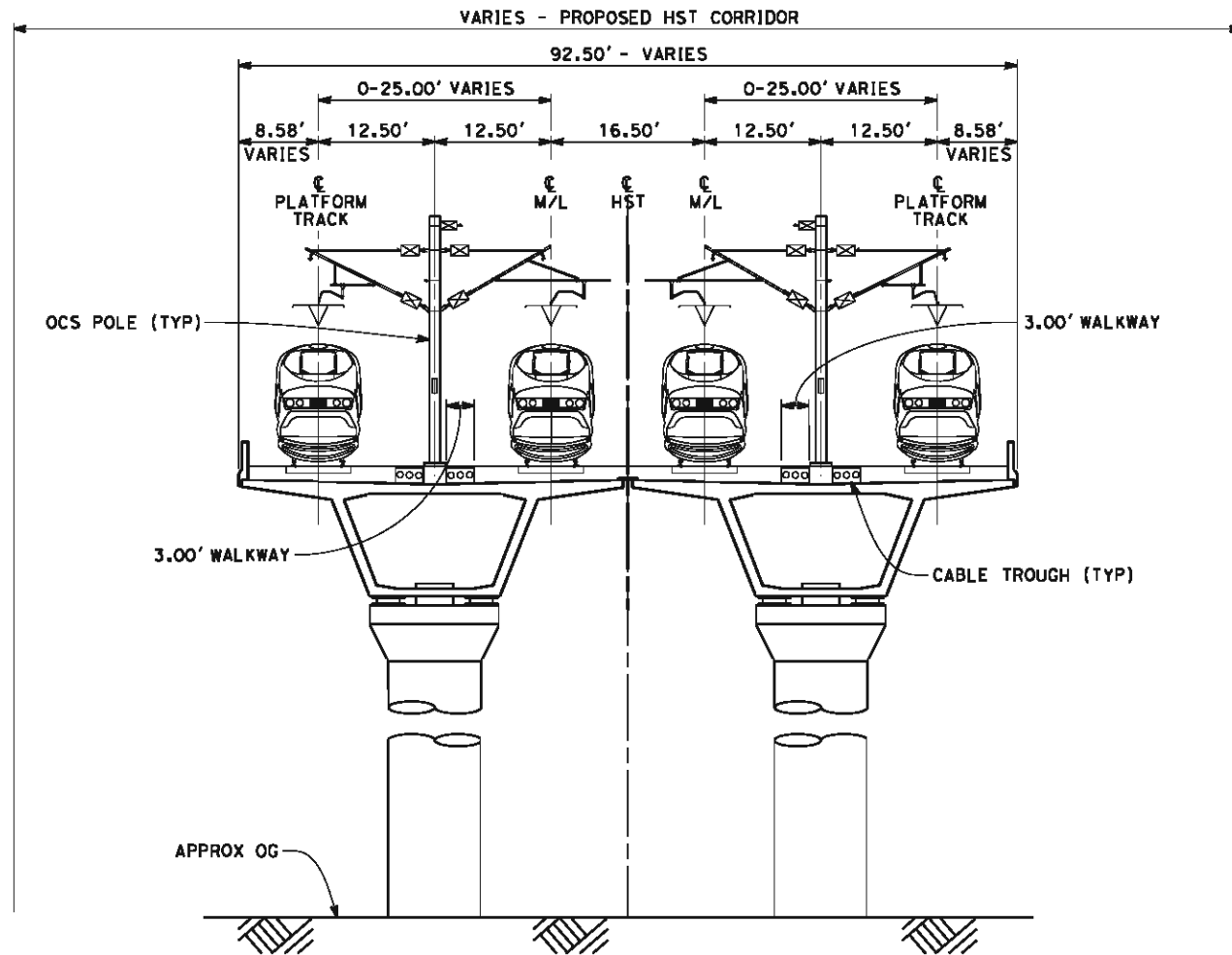


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3822
 SCALE
AS SHOWN
 SHEET NO.
29 OF 32

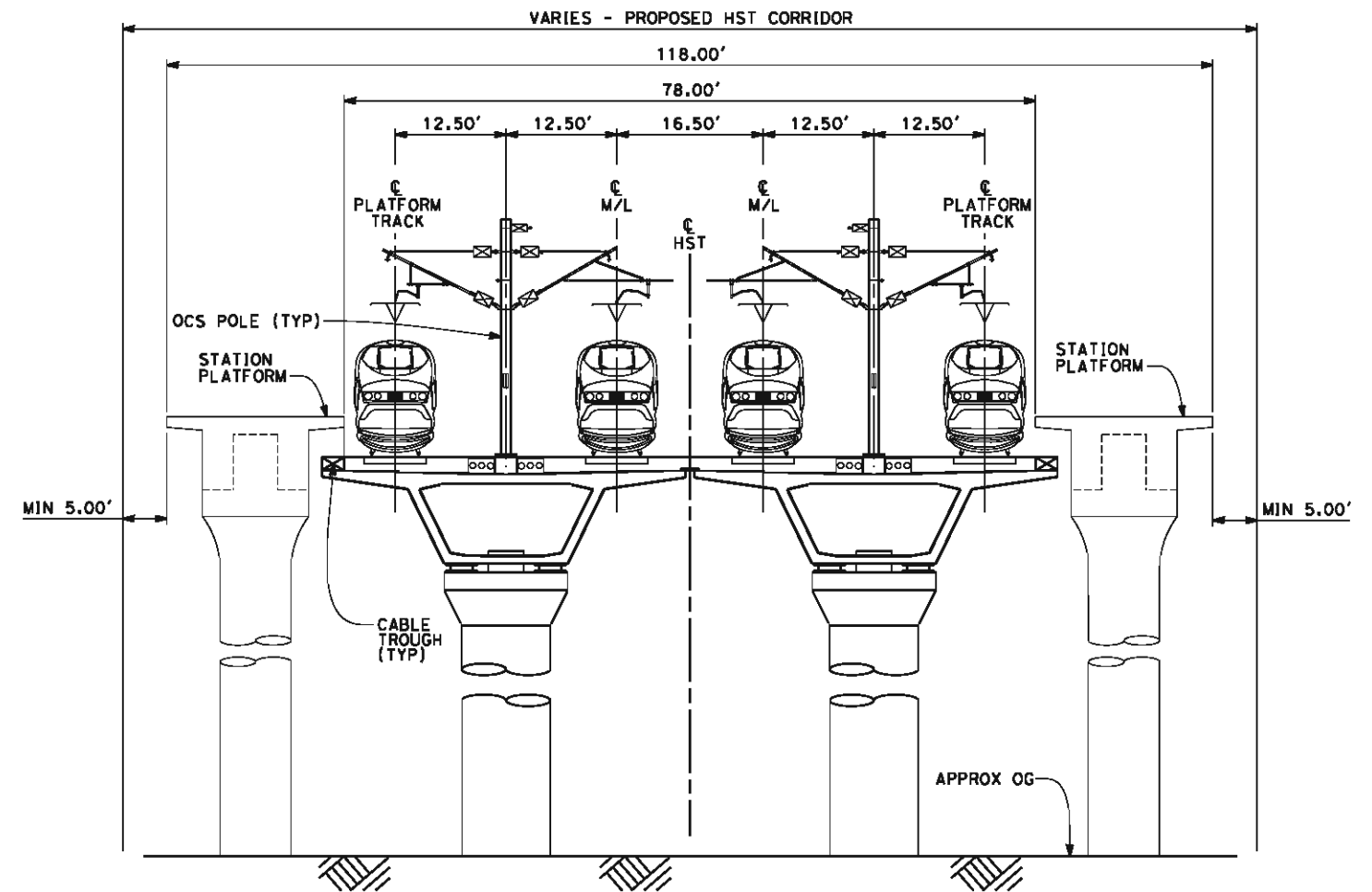
NOTES:

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



SECTION 7

FOUR TRACK STRUCTURE LOOKING SOUTHBOUND
 STA "B3" 7248+50 TO 7253+30
 STA "B3" 7255+90 TO 7262+85
 STA "B3" 7276+95 TO 7289+90



SECTION 8

FOUR TRACK STRUCTURE AT BAKERSFIELD STATION LOOKING SOUTHBOUND
 STA "B3" 7264+85 TO 7276+95



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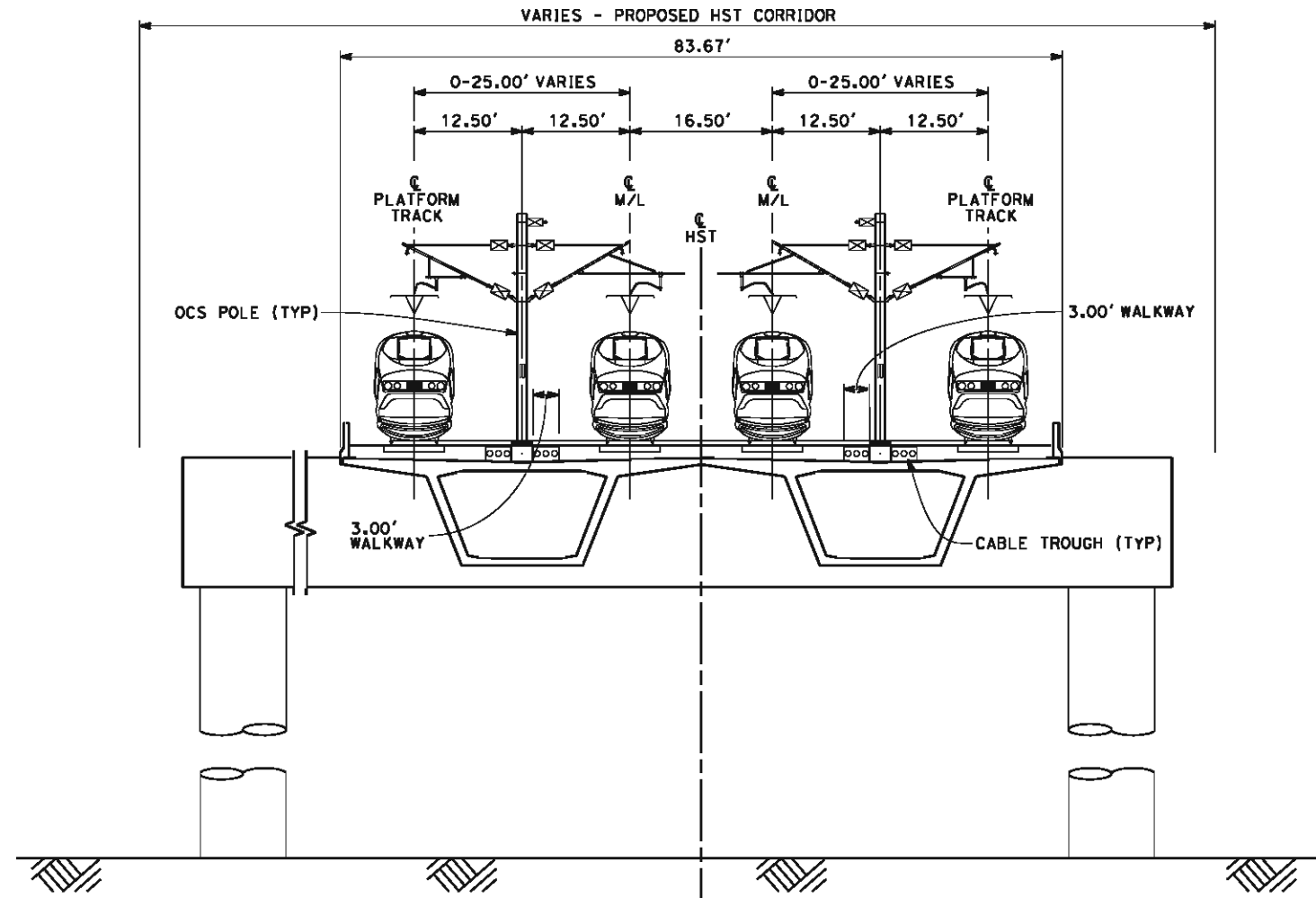


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 CROSS SECTIONS

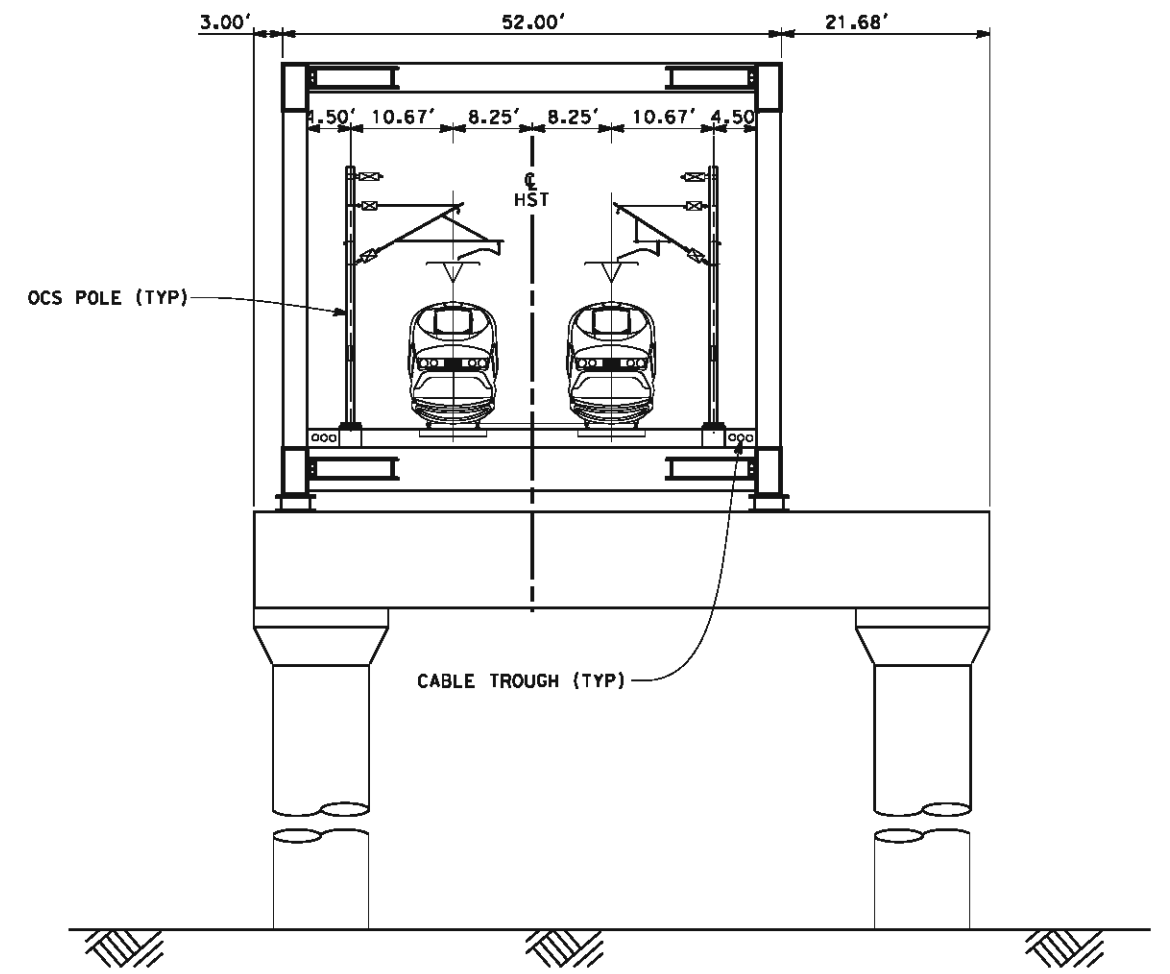
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3823
SCALE AS SHOWN
SHEET NO. 30 OF 32

NOTES:

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



SECTION 9
 SEGMENTAL/CIP 4 TRACK OUTRIGGER SECTION
 LOOKING SOUTHBOUND
 STA "B3" 7253+30 TO 7255+90
 STA "B3" 7289+90 TO 7290+90



SECTION 10
 STANDARD 2 TRACK STEEL TRUSS
 OUTRIGGER SECTION LOOKING SOUTHBOUND
 STA 7102+60 TO 7108+20



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05/18/12

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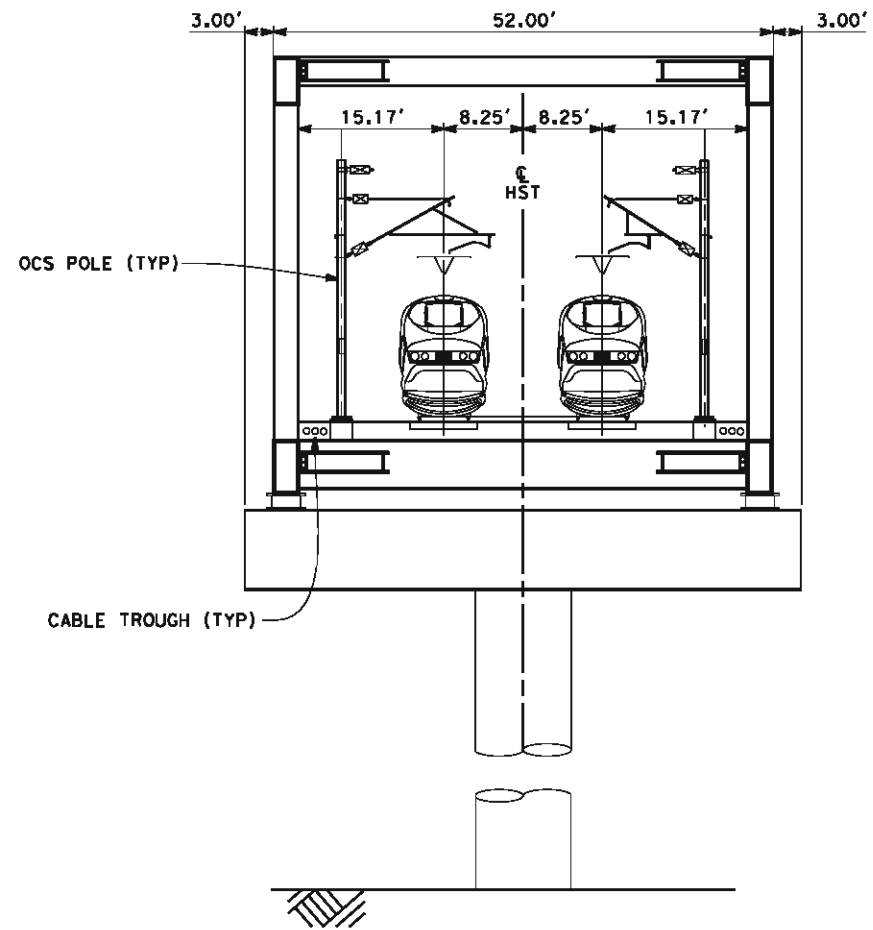


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 BAKERSFIELD URBAN SUBSECTION
 ALIGNMENT B3
 CROSS SECTIONS

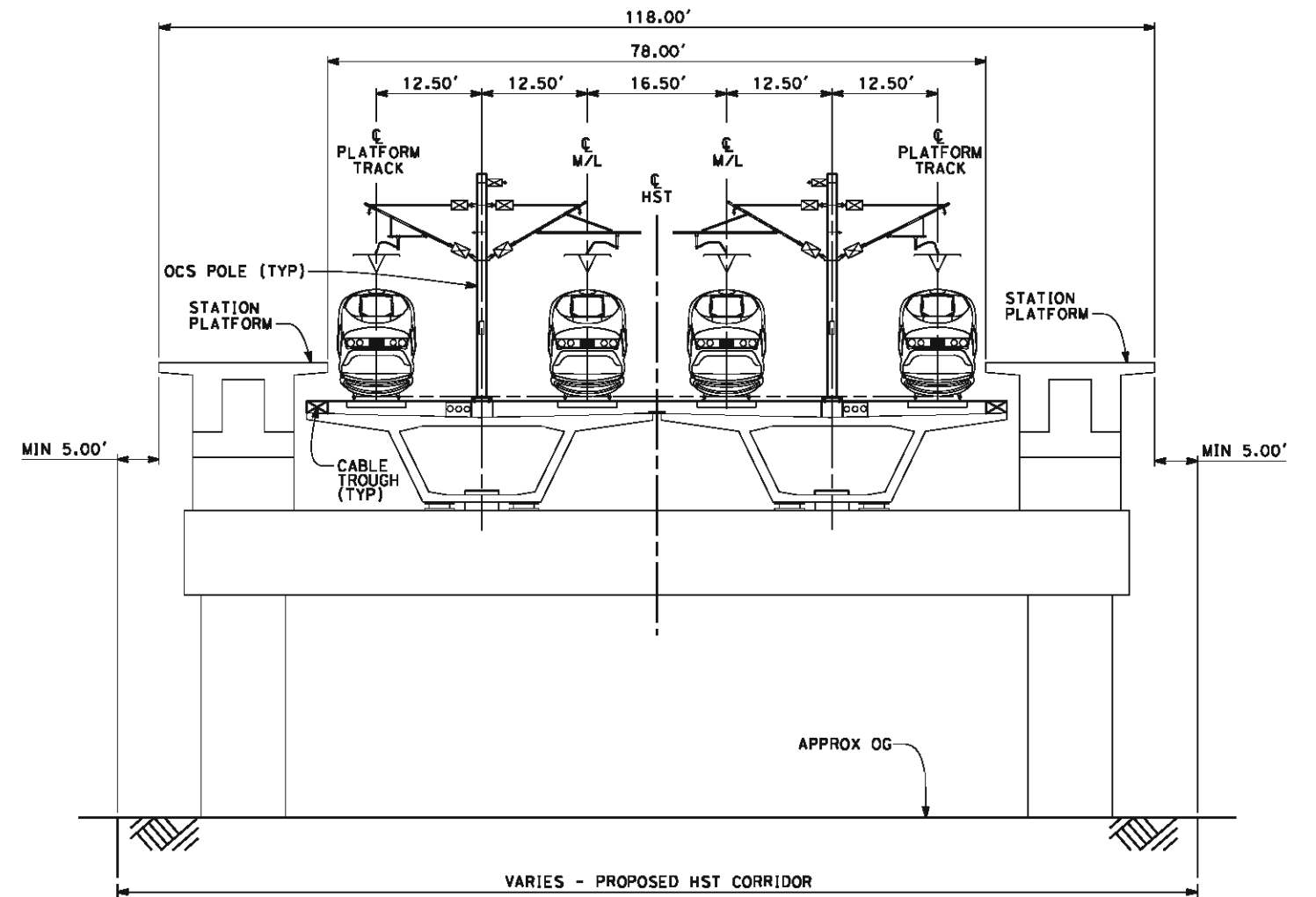
CONTRACT NO.
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CB3824
 SCALE
AS SHOWN
 SHEET NO.
31 OF 32

NOTES:

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



SECTION 11
 STANDARD 2 TRACK STEEL TRUSS SECTION
 LOOKING SOUTHBOUND
 STA "B3" 7096+00 TO 7102+60
 STA "B3" 7108+20 TO 7111+00



SECTION 12
 FOUR TRACK STRUCTURE AT BAKERSFIELD STATION
 LOOKING SOUTHBOUND
 STA 7262+85 TO 7264+85



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

CONTRACT NO.
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 DRAWING NO.
 CB3825
 SCALE
 AS SHOWN
 SHEET NO.
 32 OF 32