

CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

Revised Draft EIR /
Supplemental Draft EIS

Fresno to Bakersfield Section

Volume III:

Section A – Alignment Plans

Part 1 of 2

July 2012



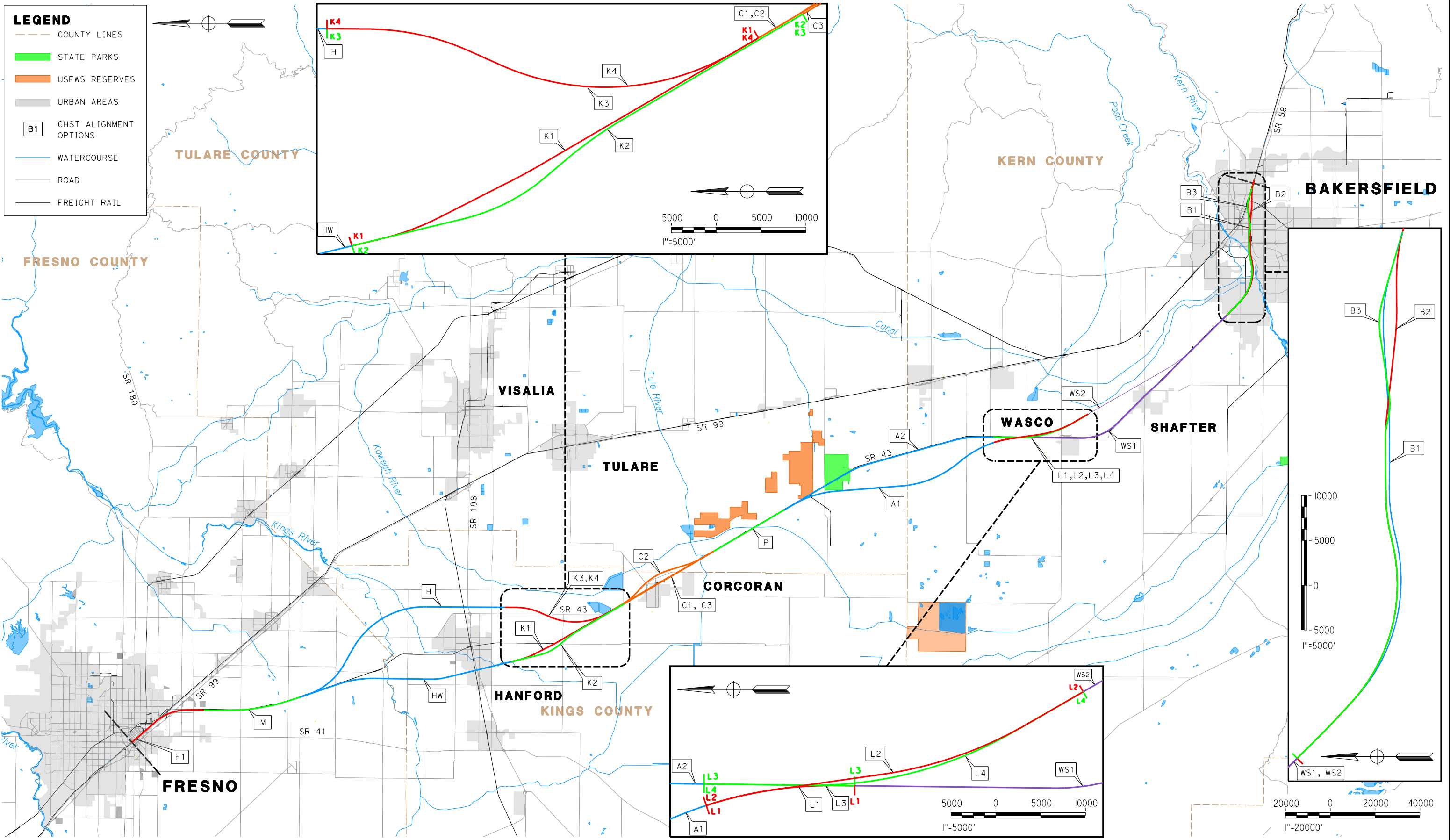
CALIFORNIA
High-Speed Rail Authority



U.S. Department of Transportation
Federal Railroad Administration

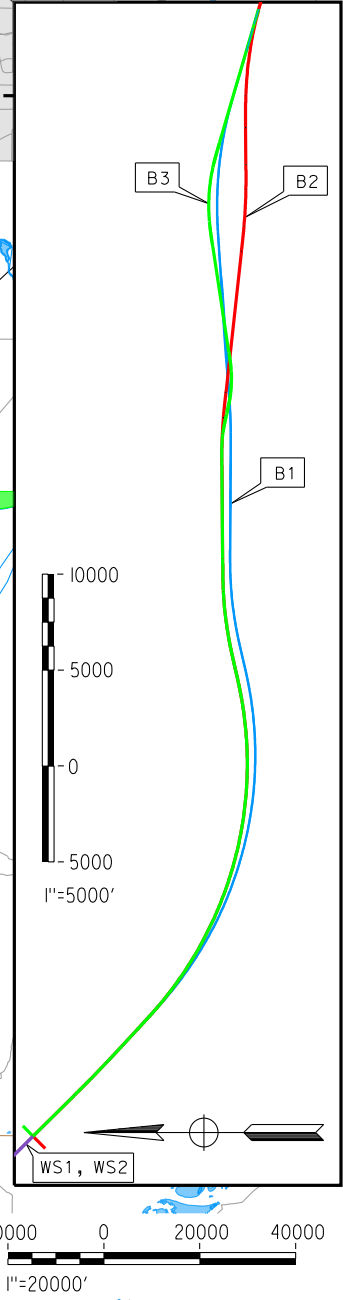
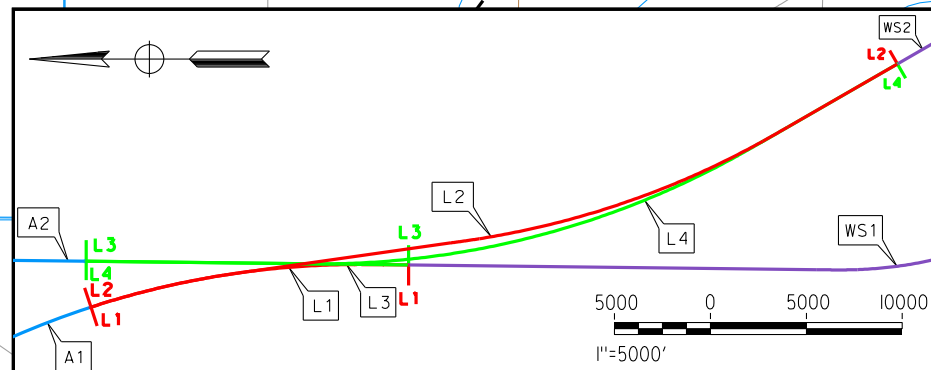
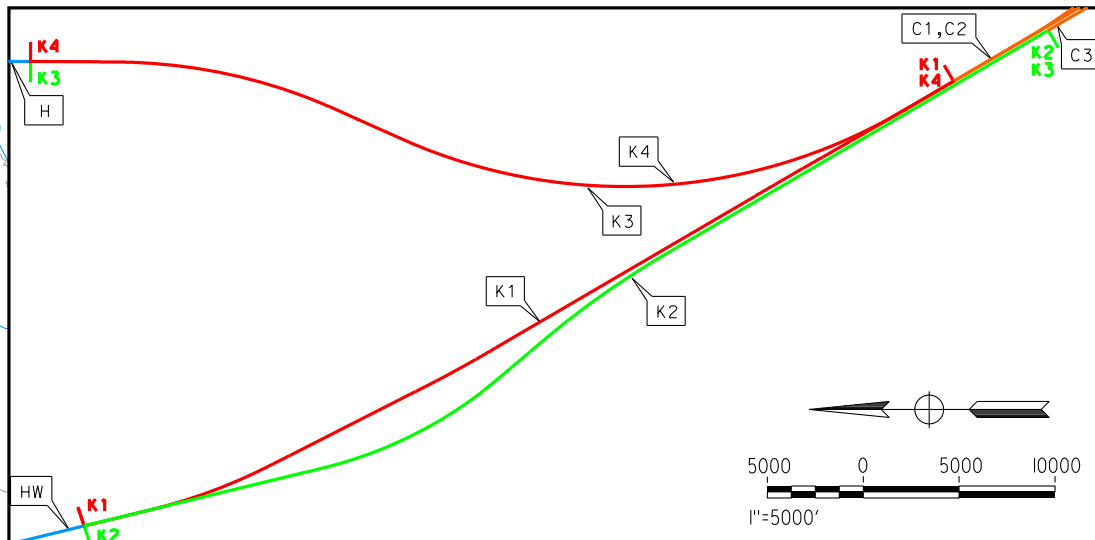


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LEGEND

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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

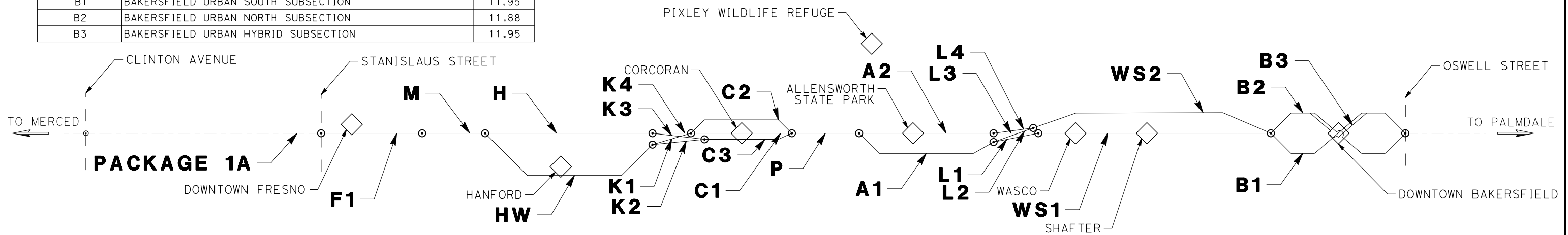


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

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
ALIGNMENT SUBSECTION DIAGRAM

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

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	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY P. TONKIN
DRAWN BY P. LEES
CHECKED BY G. SCHLERETH
IN CHARGE R. COFFIN
DATE 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

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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	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. TONKIN
DRAWN BY
P. LEES
CHECKED BY
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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 2 OF 6

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0004
SCALE
NO SCALE
SHEET NO.
4 OF 16

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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
DRAWN BY
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DATE
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**RECORD SET 15%
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FRESNO TO BAKERSFIELD**

ALIGNMENT
INDEX OF SHEETS
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CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB0005

SCALE
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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	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. TONKIN
DRAWN BY
P. LEES
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DATE
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 4 OF 6

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0006
SCALE
NO SCALE
SHEET NO.
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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 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 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 5334+50 - PLAN AND PROFILE	SHEET 3 OF 32	
CB1451	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5334+50 TO 5562+50 - PLAN AND PROFILE	SHEET 4 OF 32	
CB1452	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5562+50 TO 5590+50 - PLAN AND PROFILE	SHEET 5 OF 32	
CB1453	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5590+50 TO 5618+50 - PLAN AND PROFILE	SHEET 6 OF 32	
CB1454	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5618+50 TO 5646+50 - PLAN AND PROFILE	SHEET 7 OF 32	
CB1455	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5646+50 TO 5702+50 - PLAN AND PROFILE	SHEET 8 OF 32	
CB1456	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5702+50 TO 5758+50 - PLAN AND PROFILE	SHEET 9 OF 32	
CB1457	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5758+50 TO 5814+50 - PLAN AND PROFILE	SHEET 10 OF 32	
CB1458	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5814+50 TO 5870+50 - PLAN AND PROFILE	SHEET 11 OF 32	
CB1459	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5870+50 TO 5926+50 - PLAN AND PROFILE	SHEET 12 OF 32	
CB1460	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5926+50 TO 5954+50 - PLAN AND PROFILE	SHEET 13 OF 32	
CB1461	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5954+50 TO 5982+50 - PLAN AND PROFILE	SHEET 14 OF 32	
CB1462	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5982+50 TO 6010+50 - PLAN AND PROFILE	SHEET 15 OF 32	
CB1463	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6010+50 TO 6038+50 - PLAN AND PROFILE	SHEET 16 OF 32	
CB1464	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6038+50 TO 6094+50 - PLAN AND PROFILE	SHEET 17 OF 32	
CB1465	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6094+50 TO 6150+50 - PLAN AND PROFILE	SHEET 18 OF 32	
CB1466	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6150+50 TO 6206+50 - PLAN AND PROFILE	SHEET 19 OF 32	
CB1467	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6206+50 TO 6262+50 - PLAN AND PROFILE	SHEET 20 OF 32	
CB1468	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6262+50 TO 6318+50 - PLAN AND PROFILE	SHEET 21 OF 32	
CB1469	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6318+50 TO 6374+50 - PLAN AND PROFILE	SHEET 22 OF 32	
CB1470	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6374+50 TO 6430+50 - PLAN AND PROFILE	SHEET 23 OF 32	
CB1471	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6430+50 TO 6486+50 - PLAN AND PROFILE	SHEET 24 OF 32	
CB1472	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6486+50 TO 6511+99 - PLAN AND PROFILE	SHEET 25 OF 32	

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 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	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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05/18/12

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

ALIGNMENT
INDEX OF SHEETS
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CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0007
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SHEET NO.
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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-I-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
 EQ 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
 PL 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

DESIGNED BY
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05/18/12

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

CONTRACT NO.
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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	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

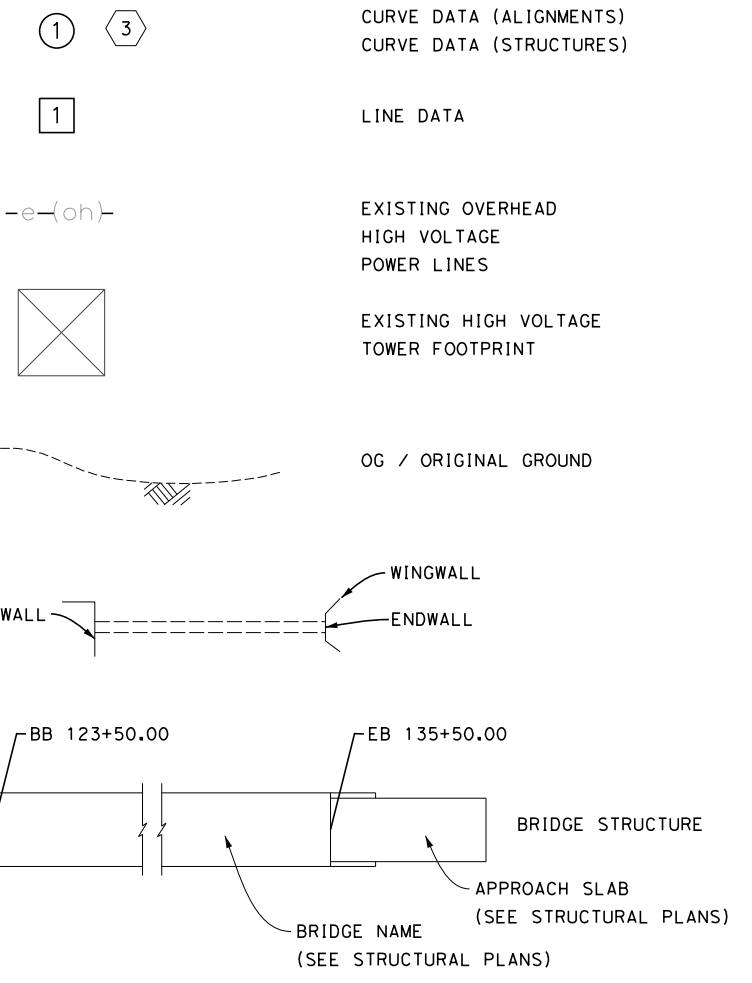
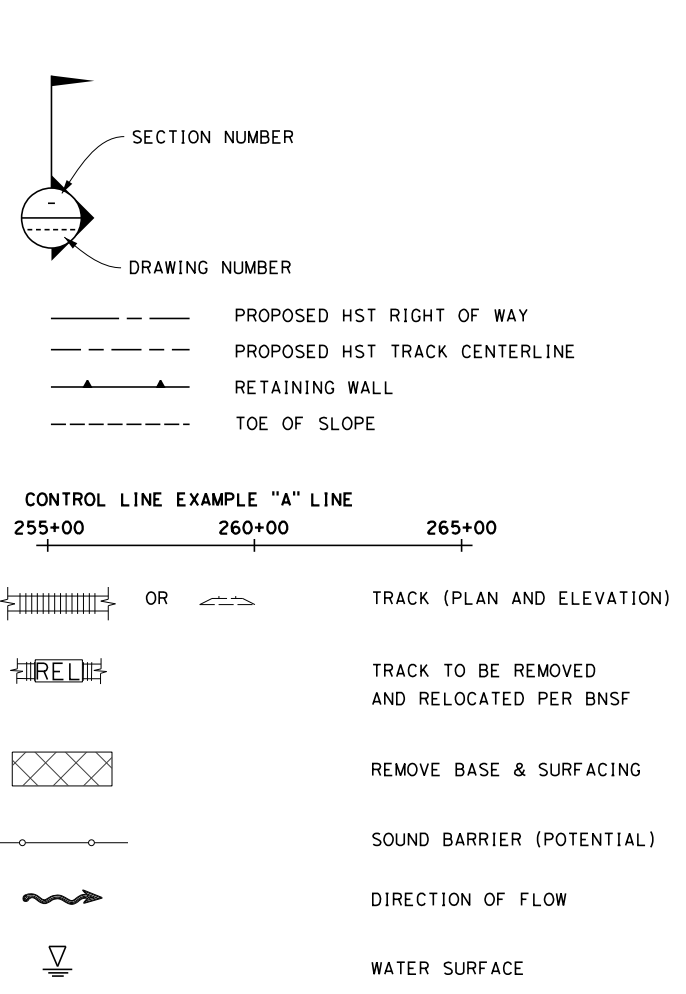
W

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
WWLOL	WINGWALL LAYOUT LINE
W/	WITH
X	
X SEC	CROSS SECTION
XING	CROSSING
Y	
YR	YEAR
YRS	YEARS

GENERAL NOTES

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

LEGEND



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

**RECORD SET 15%
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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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DESIGN SUBMISSION**

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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
DRAWING NO.
CB0012
SCALE
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SHEET NO.
11 OF 16

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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

CURVE No.	DESIGN SPEED (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION EA (IN)	UNBALANCED SUPERELEVATION EU (IN)	SPIRAL LENGTH LS (FT)	CURVE LENGTH LC (FT)
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

RECORD SET 15%
DESIGN SUBMISSION

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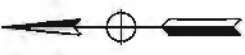


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT
CURVE DATA
SHEET 2 OF 2

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

LEGEND

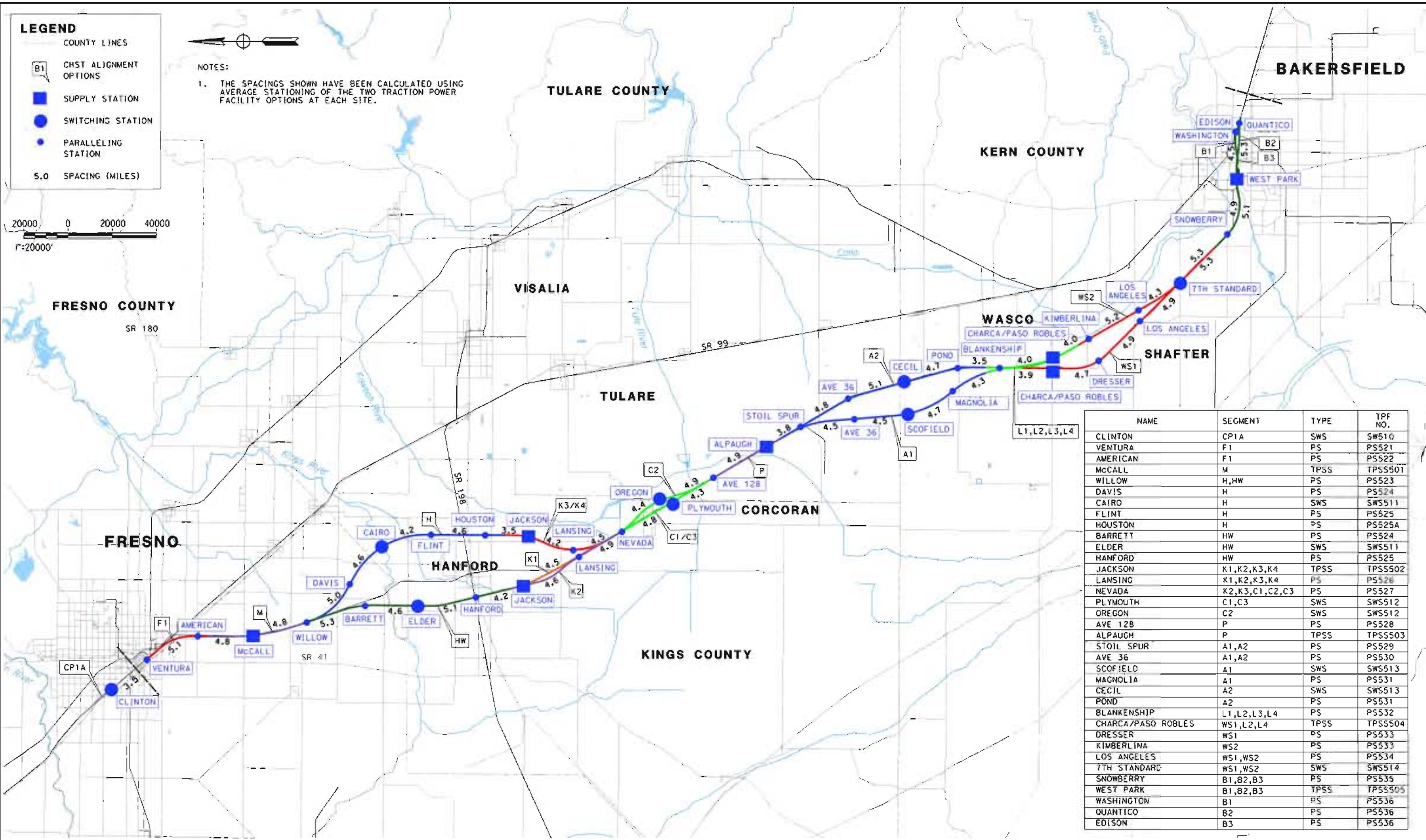
- COUNTY LINES
- B1 CHST ALIGNMENT OPTIONS
- SUPPLY STATION
- SWITCHING STATION
- PARALLELING STATION
- 5.0 SPACING (MILES)



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

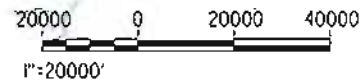
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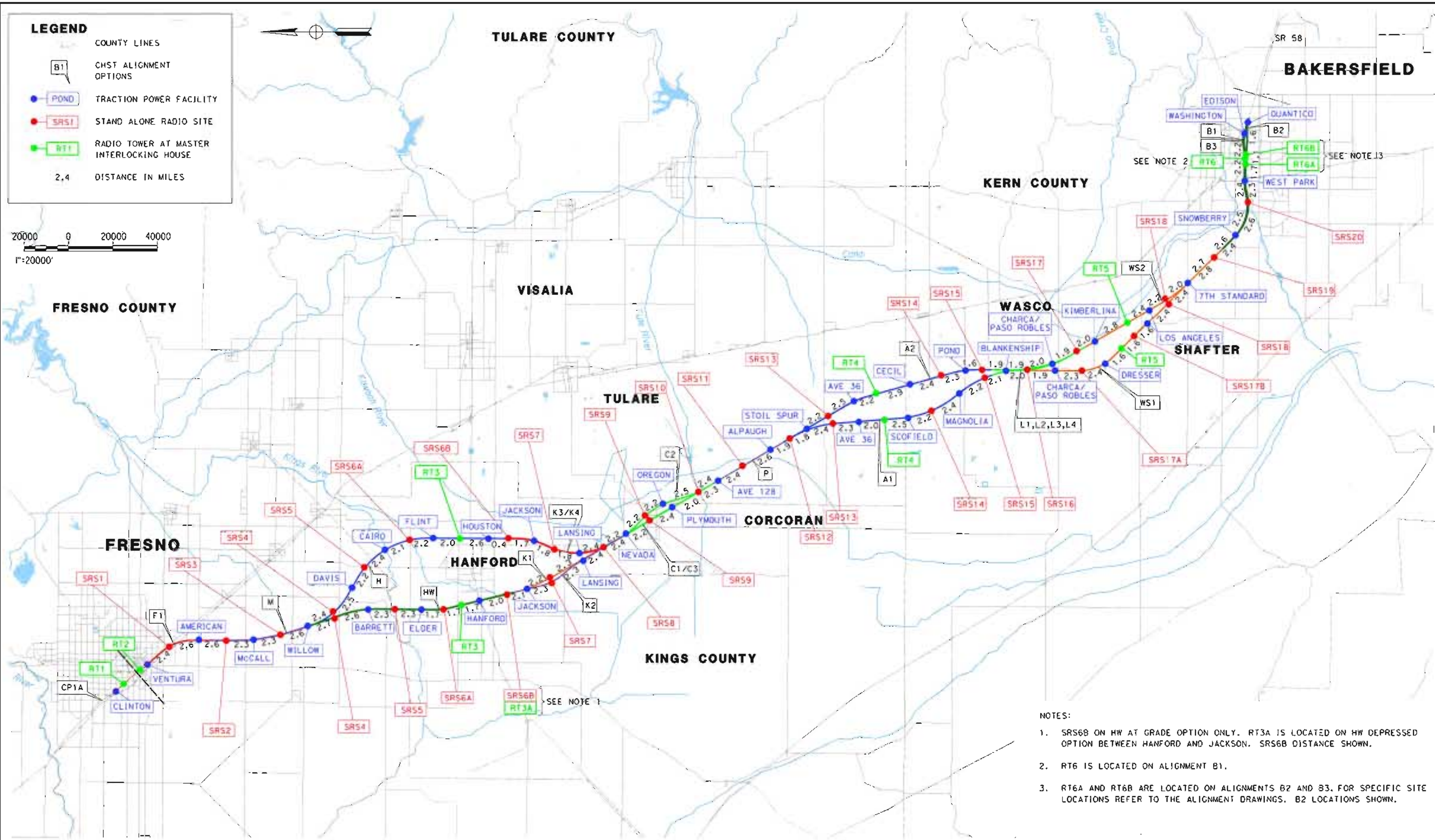
CALIFORNIA HIGH-SPEED TRAIN PROJECT
BAKERSFIELD TO PALMDALE
 TPSS
 LOCATION MAP

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB0014
 SCALE
 AS SHOWN
 SHEET NO.
 13 OF 16

- 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



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- NOTES:**
1. SRS6B ON HW AT GRADE OPTION ONLY. RT3A IS LOCATED ON HW DEPRESSED OPTION BETWEEN HANFORD AND JACKSON. SRS6B DISTANCE SHOWN.
 2. RT6 IS LOCATED ON ALIGNMENT B1.
 3. 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. NAWIED
 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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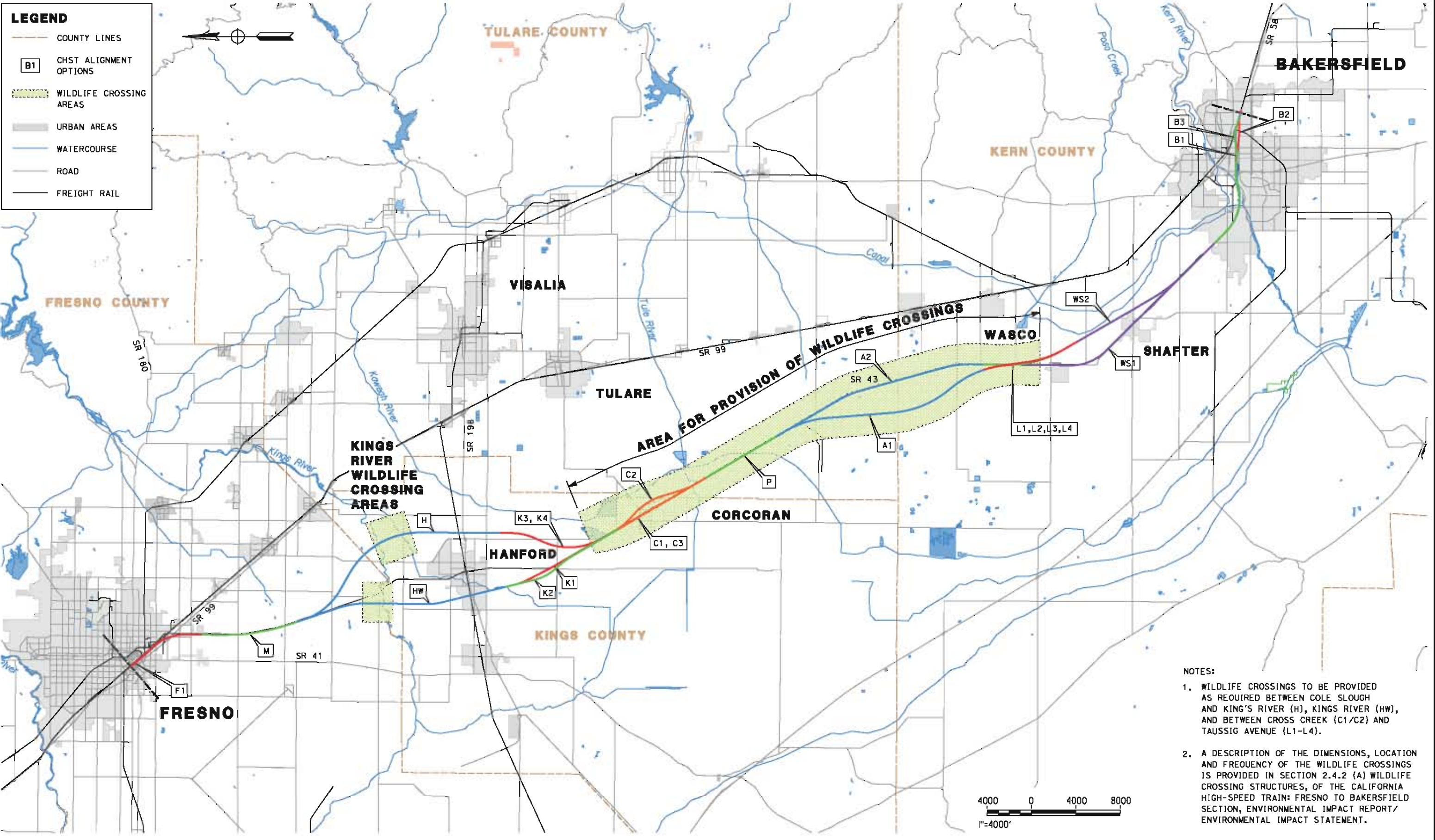
CALIFORNIA HIGH-SPEED TRAIN PROJECT
BAKERSFIELD TO PALMDALE
 COMMUNICATIONS RADIO SITES
 LOCATION MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB0015
 SCALE
AS SHOWN
 SHEET NO.
14 OF 16

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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

**RECORD SET 15X
DESIGN SUBMISSION**

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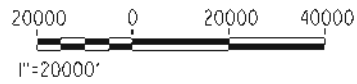
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

WILDLIFE CROSSINGS
LOCATION MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB0016
SCALE
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15 OF 16

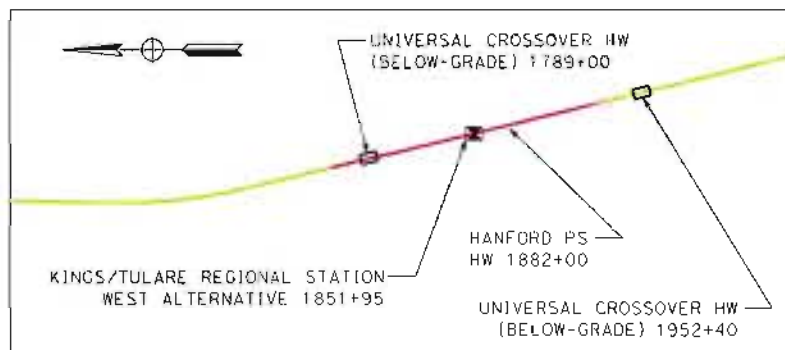
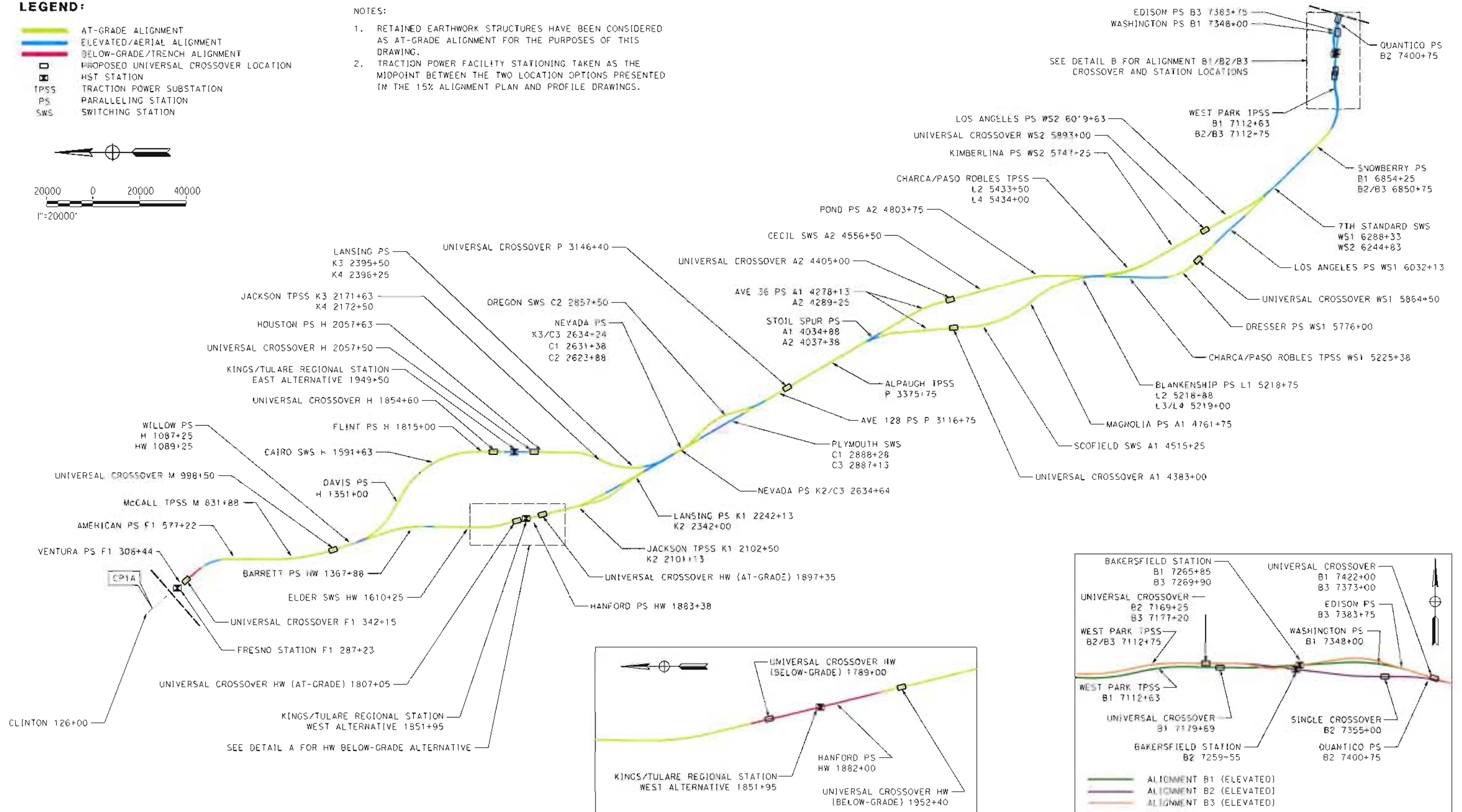
LEGEND:

- 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

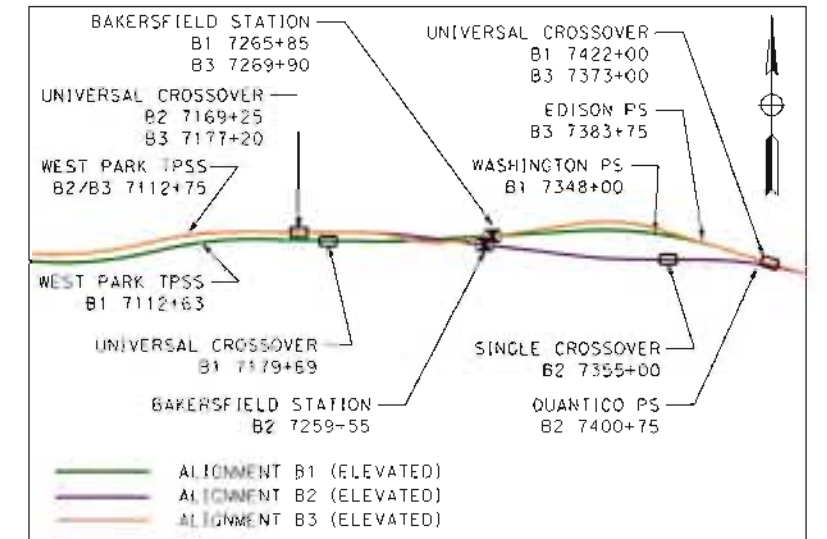


NOTES:

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

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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

DRAWING NO.
CB0017

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16 OF 16

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LEGEND

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

1500 0 1500 3000
1"=1500'

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

FRESNO SUBSECTION
ALIGNMENT F1
STA. 257+24 TO 627+08
KEY MAP

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1650

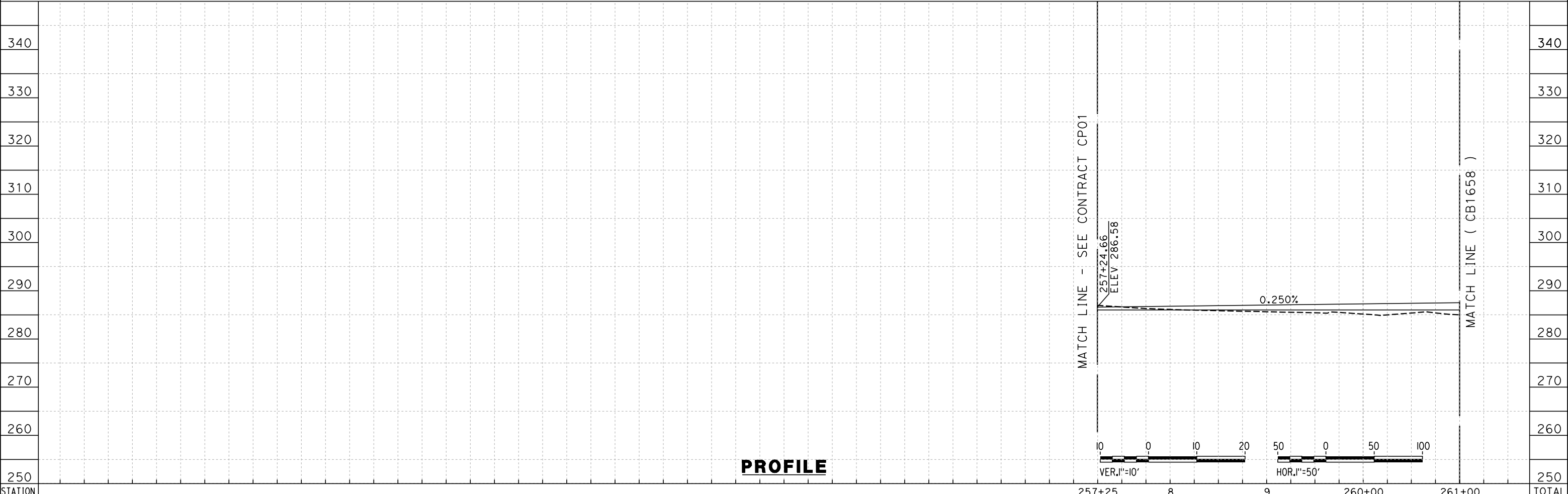
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PLAN



PROFILE

STATION	257+25	8	9	260+00	261+00	TOTAL
Exc						
Emb						

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

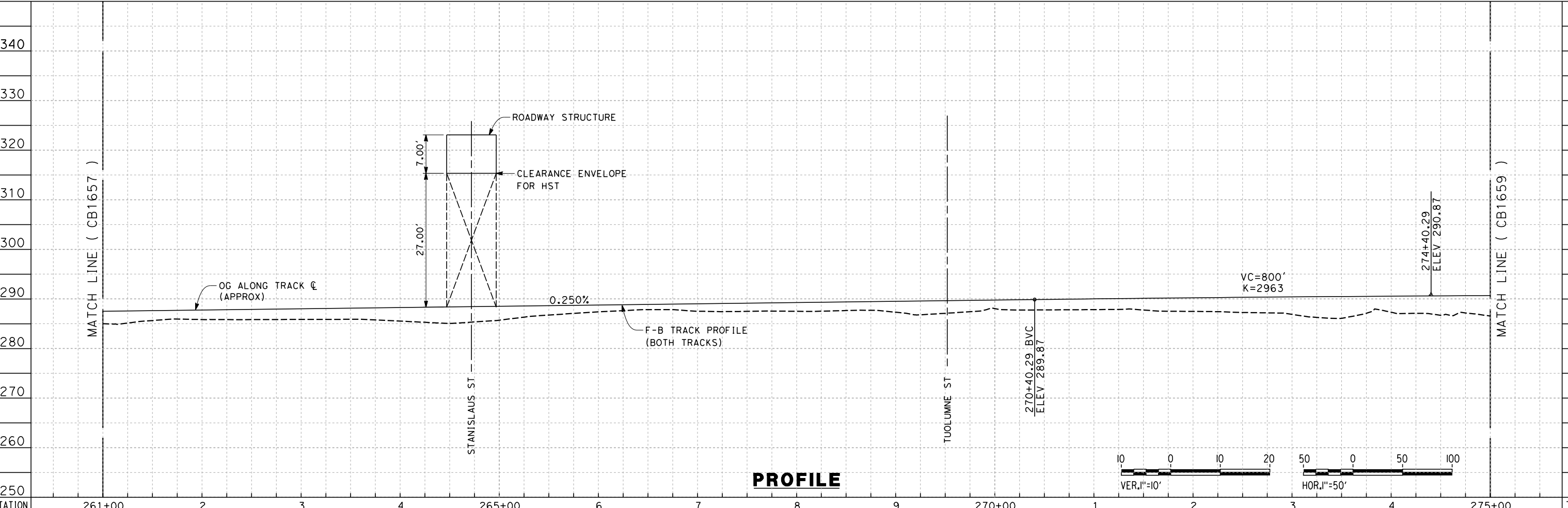
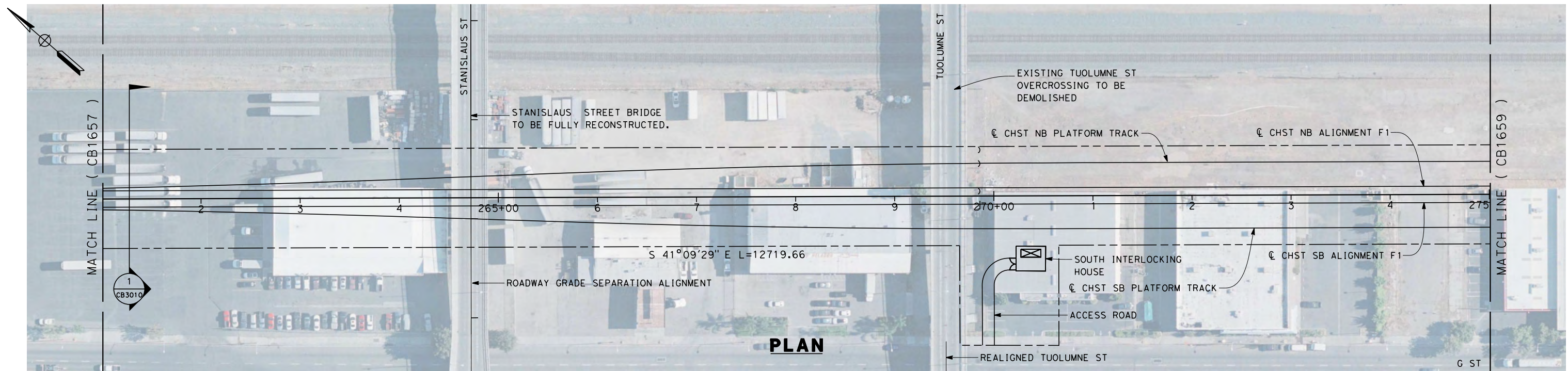


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MARIPOSA STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 257+24 TO 261+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1657
SCALE
AS SHOWN
SHEET NO.
2 OF 29

REV	DATE	BY	CHK	APP	DESCRIPTION

6/8/2012 5:13:23 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1658-F1



STATION	261+00	2	3	4	265+00	6	7	8	9	270+00	1	2	3	4	275+00	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

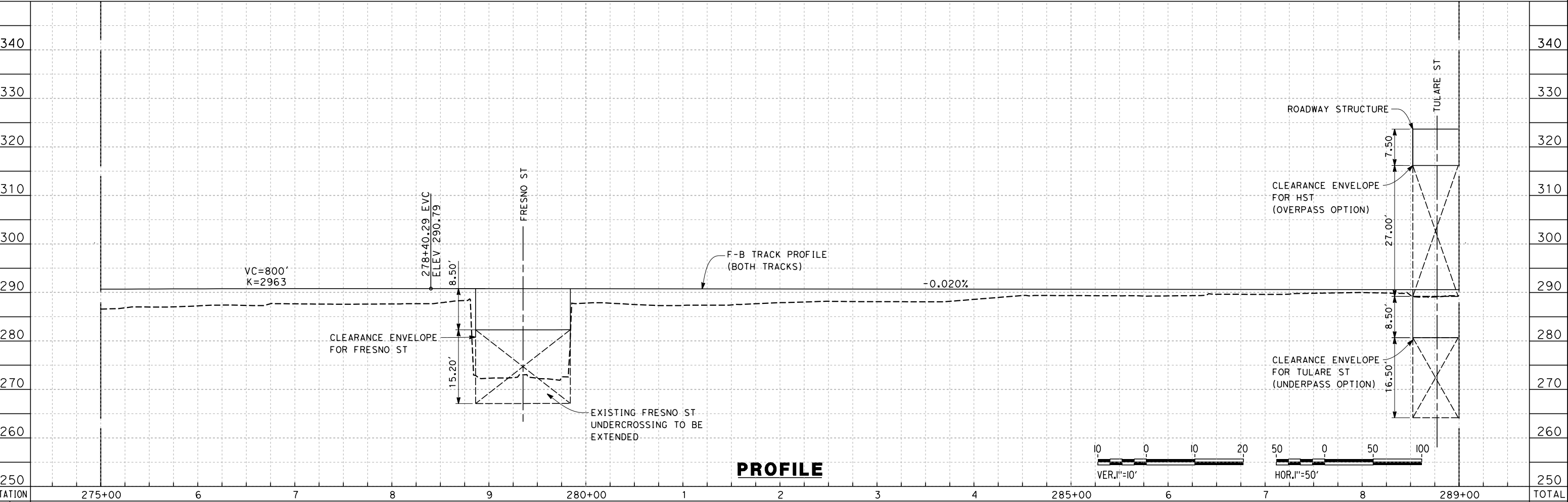
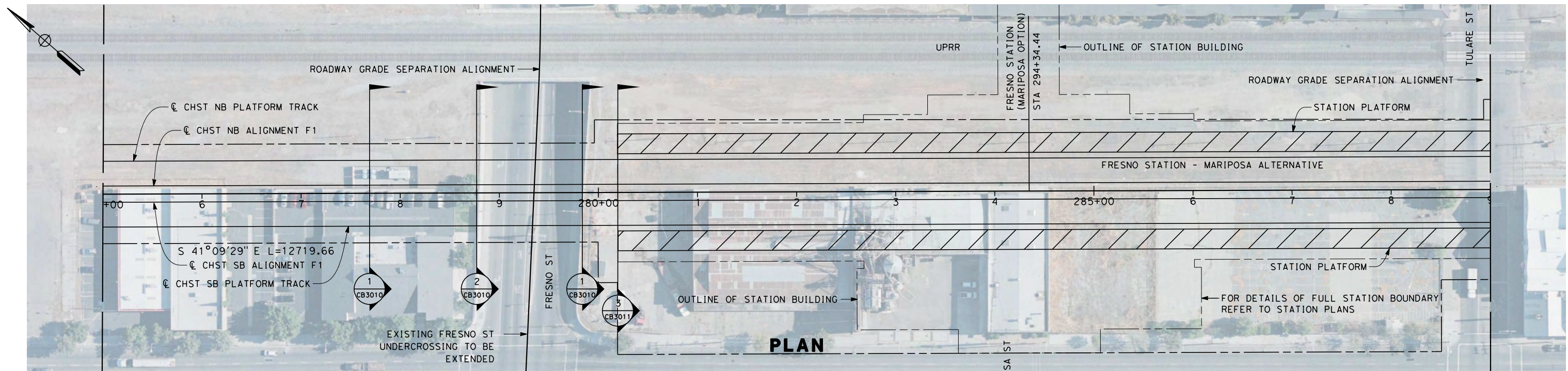
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MARIPOSA STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 261+00 TO 275+00
PLAN AND PROFILE



CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1658
SCALE
AS SHOWN
SHEET NO.
3 OF 29

6/8/2012 5:13:26 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1659-F1



STATION	275+00	6	7	8	9	280+00	1	2	3	4	285+00	6	7	8	289+00	TOTAL
Exc																
Emb																

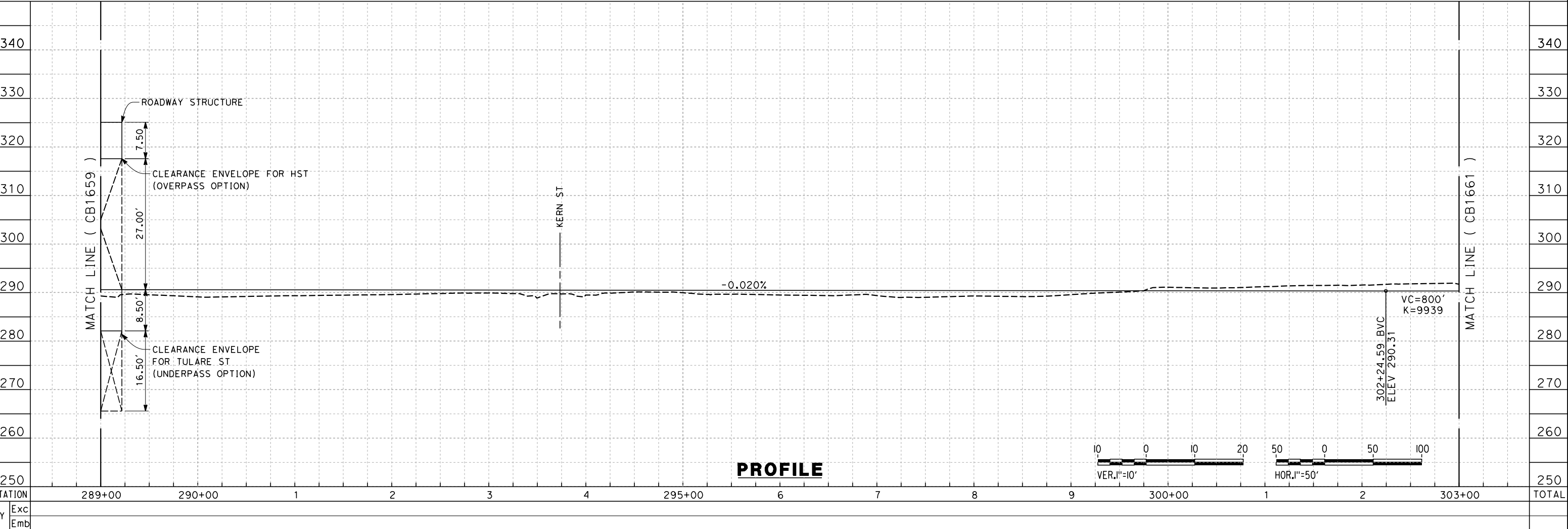
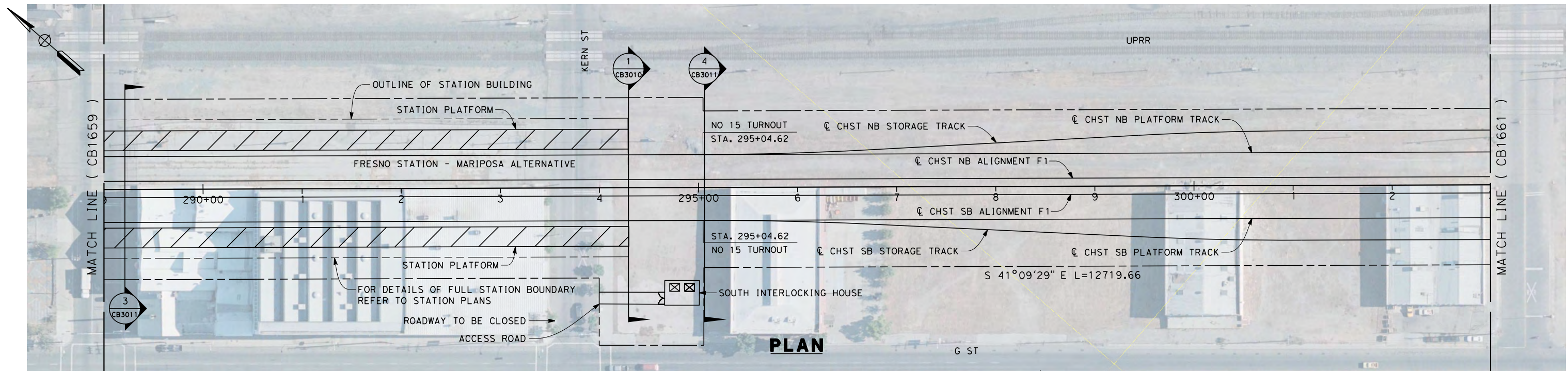
DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION				
DRAWN BY P. TONKIN					
CHECKED BY D. HUNT					
IN CHARGE R. COFFIN					
DATE 06/08/12					
REV	DATE	BY	CHK	APP	DESCRIPTION

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 MARIPOSA STATION - FRESNO SUBSECTION
 ALIGNMENT F1
 STA. 275+00 TO 289+00
 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1659
SCALE AS SHOWN
SHEET NO. 4 OF 29

6/11/2012 9:33:21 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\DEIR-DEIR Volume III\FB-CB-1660-F1



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

**RECORD SET 15%
DESIGN SUBMISSION**

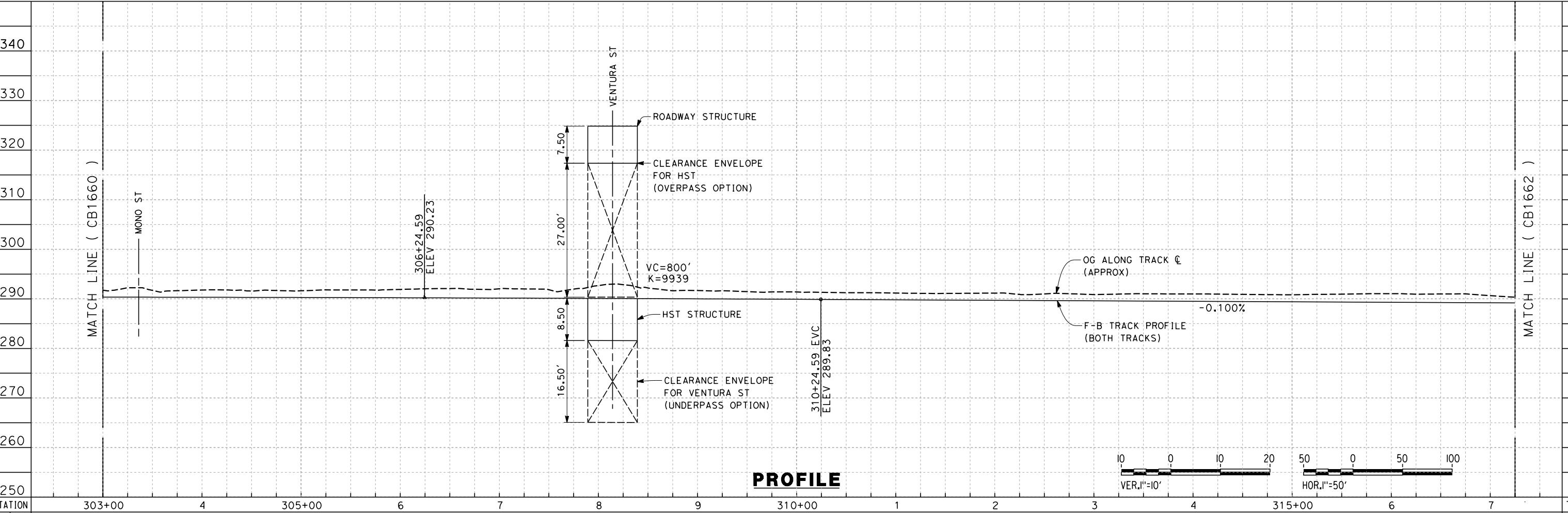
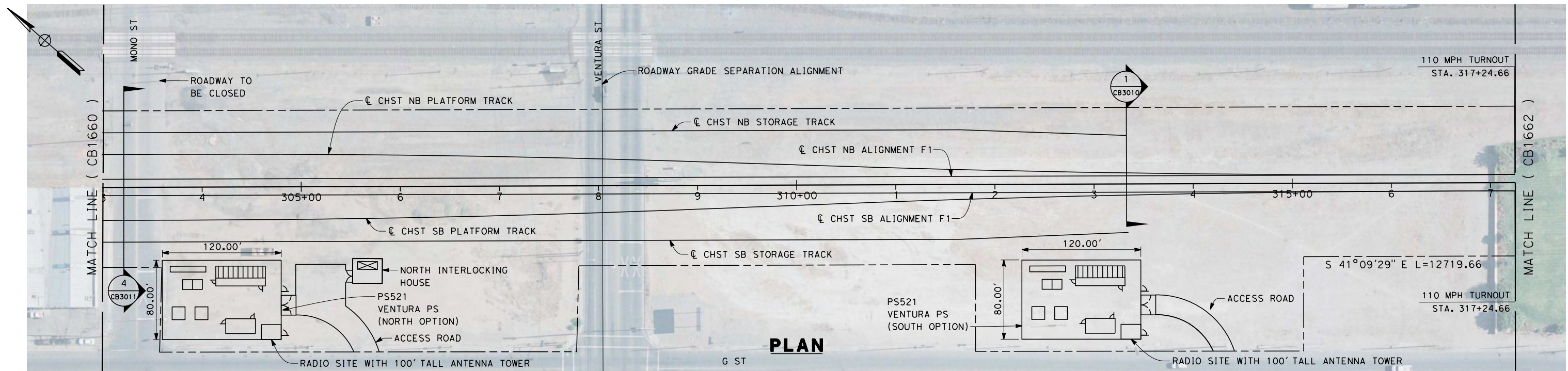
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MARIPOSA STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 289+00 TO 303+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1660
SCALE
AS SHOWN
SHEET NO.
5 OF 29

6/8/2012 5:13:33 PM \\global\americas\Jobs\S-F\31000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1661-F1



STATION	303+00	4	305+00	6	7	8	9	310+00	1	2	3	4	315+00	6	7	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

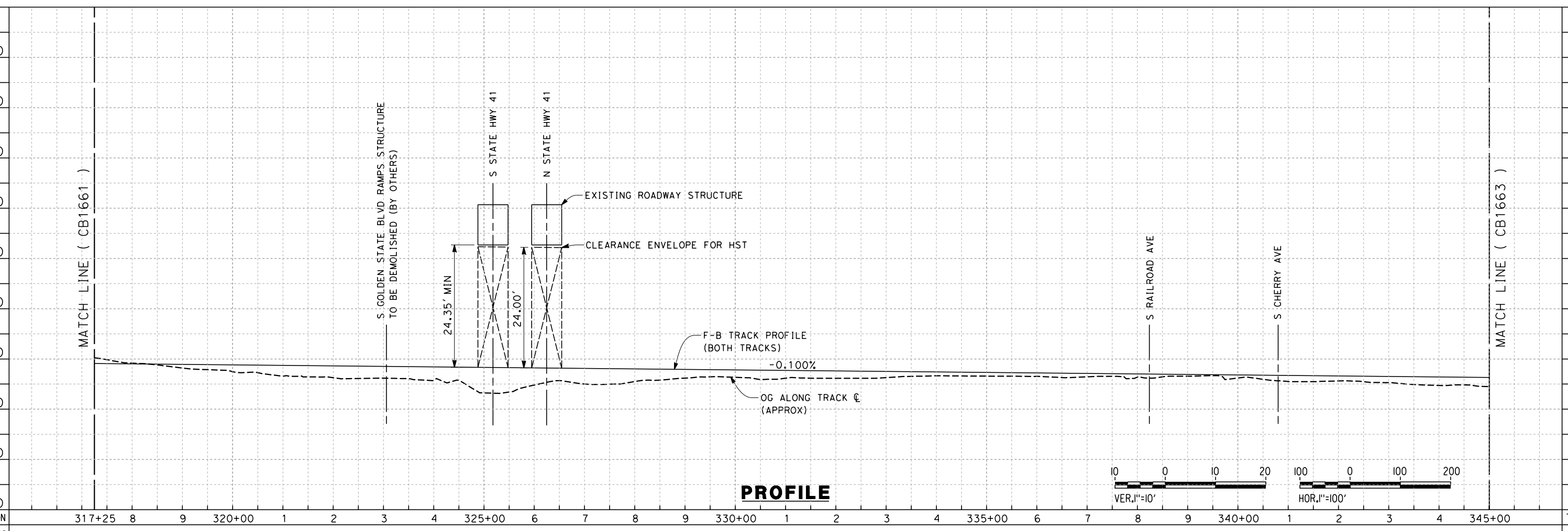
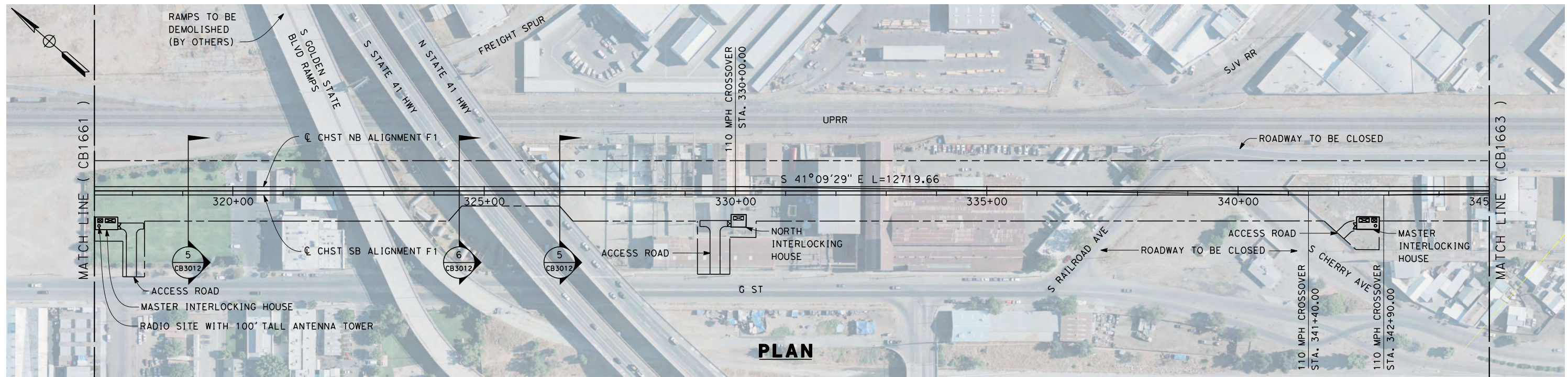
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MARIPOSA STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 303+00 TO 317+25
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1661
SCALE
AS SHOWN
SHEET NO.
6 OF 29

6/8/2012 5:13:37 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\DEIR-DEIR Volume 1\1\FB-CB-1662-F-1



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

**RECORD SET 15%
DESIGN SUBMISSION**

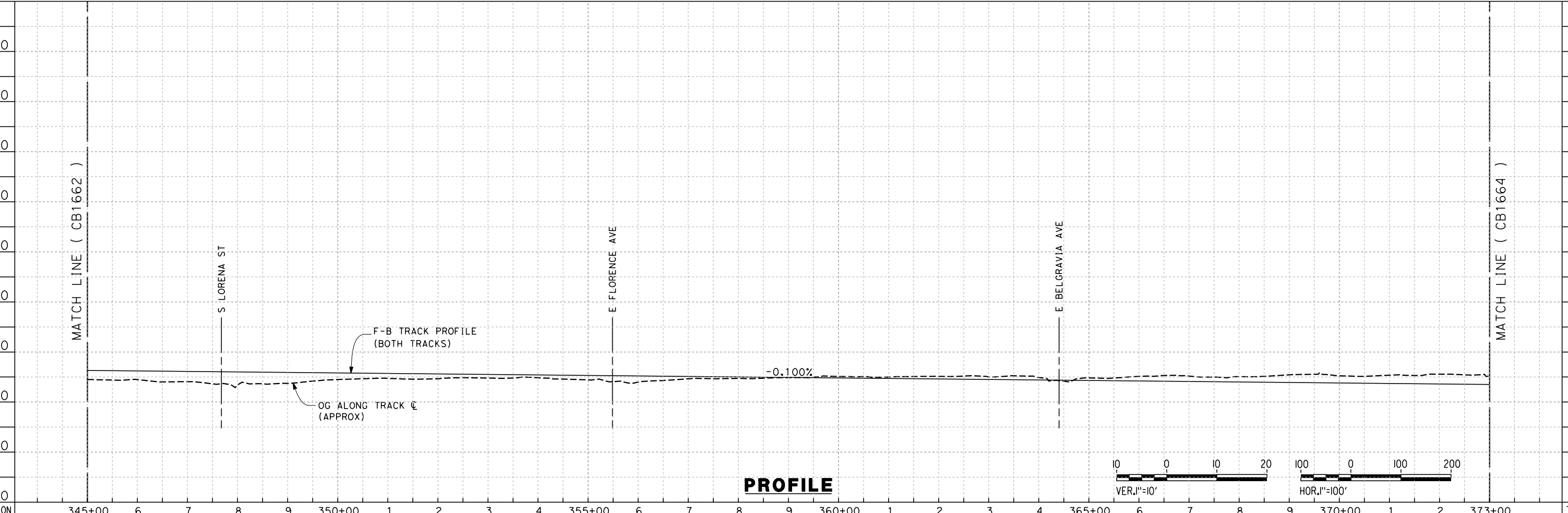
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 317+25 TO 345+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1662
SCALE
AS SHOWN
SHEET NO.
7 OF 29

6/8/2012 5:13:41 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Desig Sheets\Rail\DEIR-DEIR Volume 11\FB-CB-1663-F-1



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

**RECORD SET 15%
DESIGN SUBMISSION**

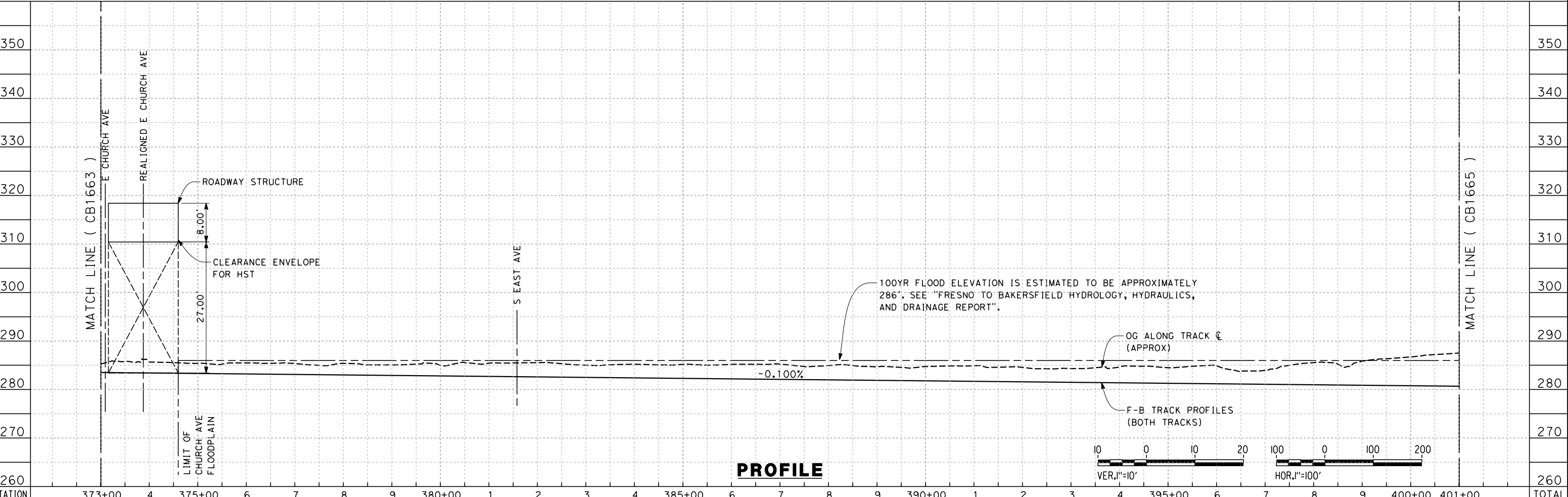
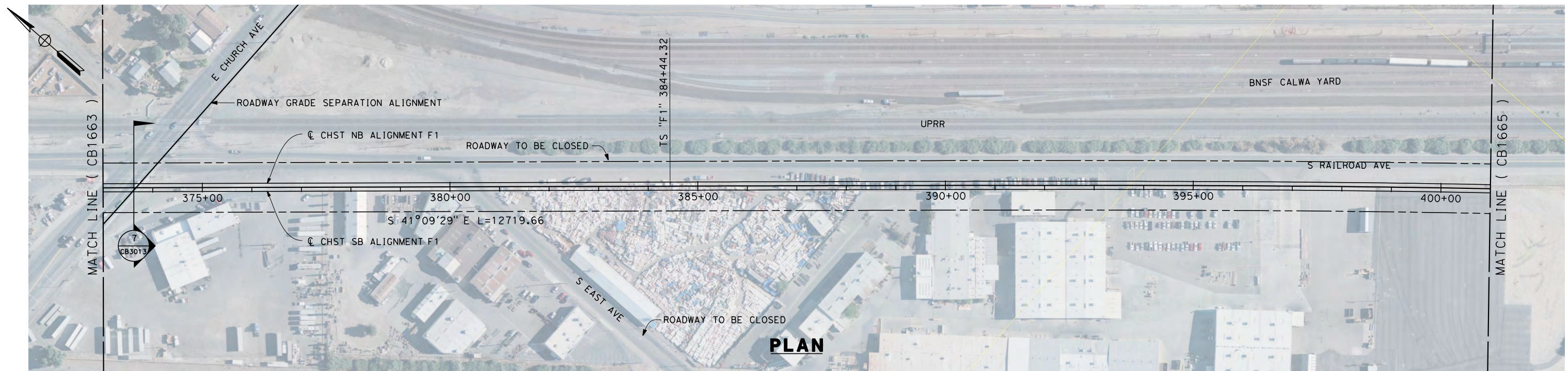
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 345+00 TO 373+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1663
SCALE
AS SHOWN
SHEET NO.
8 OF 29

6/8/2012 5:13:44 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1664-F1



STATION	373+00	4	375+00	6	7	8	9	380+00	1	2	3	4	385+00	6	7	8	9	390+00	1	2	3	4	395+00	6	7	8	9	400+00	401+00	TOTAL
CY																														
	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

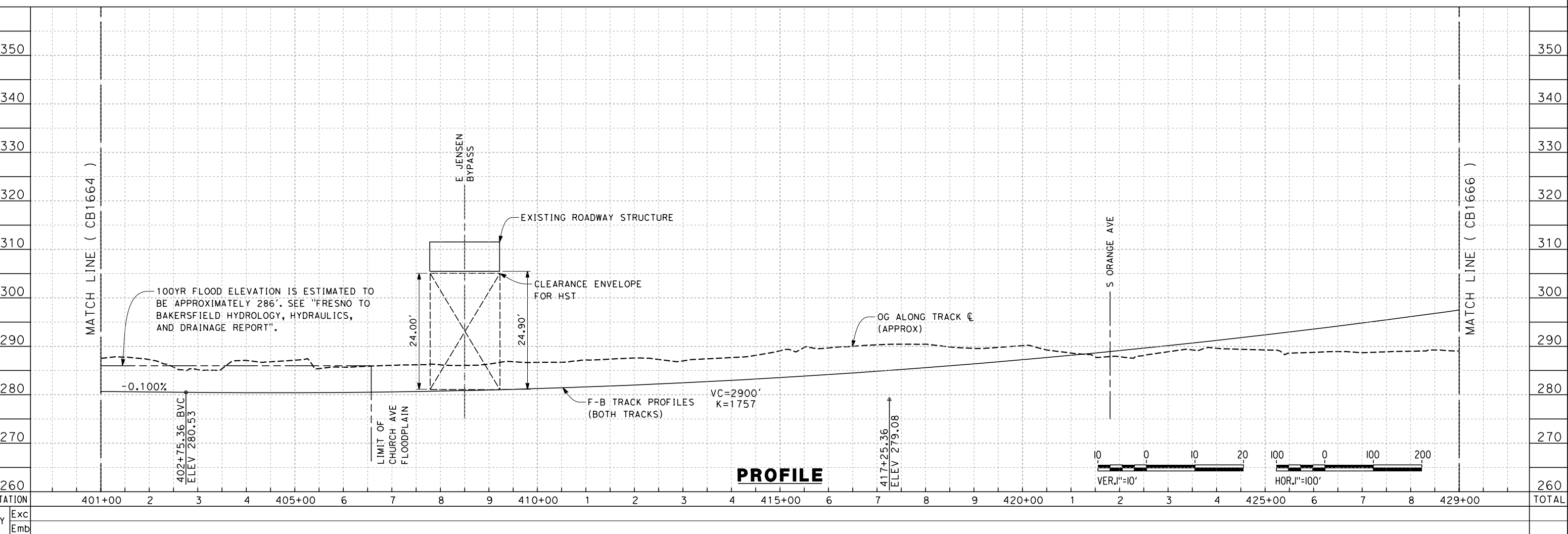
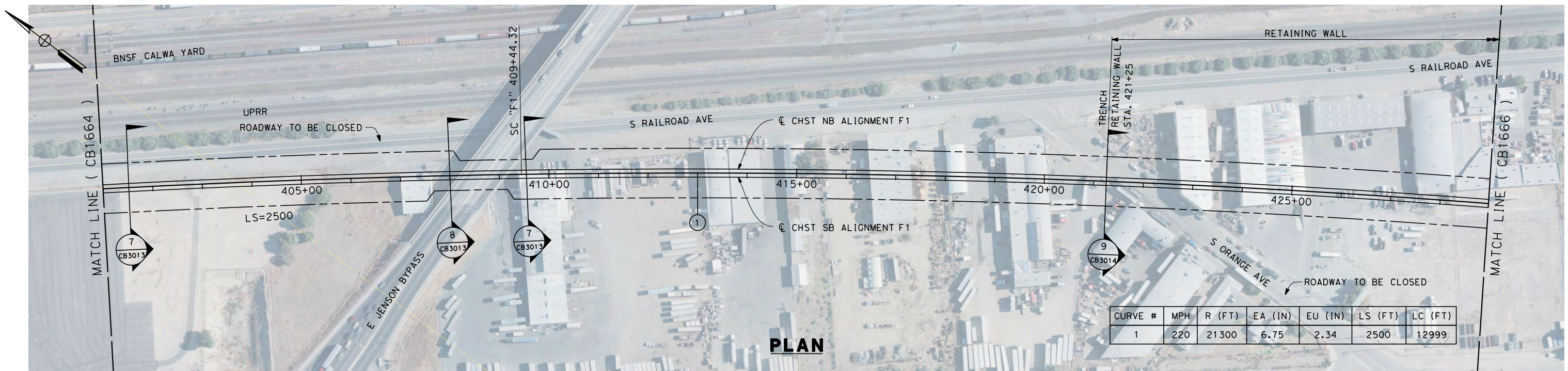
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 373+00 TO 401+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1664
SCALE
AS SHOWN
SHEET NO.
9 OF 29

6/11/2012 9:32:13 AM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1665-F1



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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

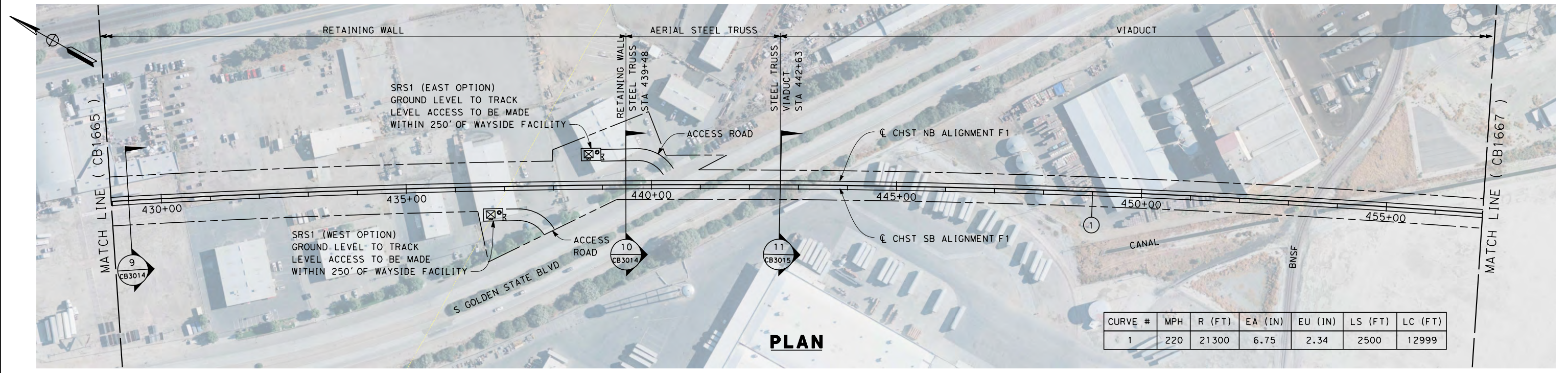


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

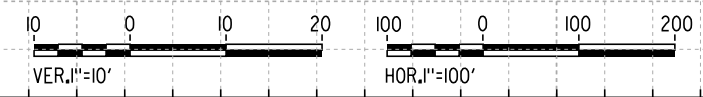
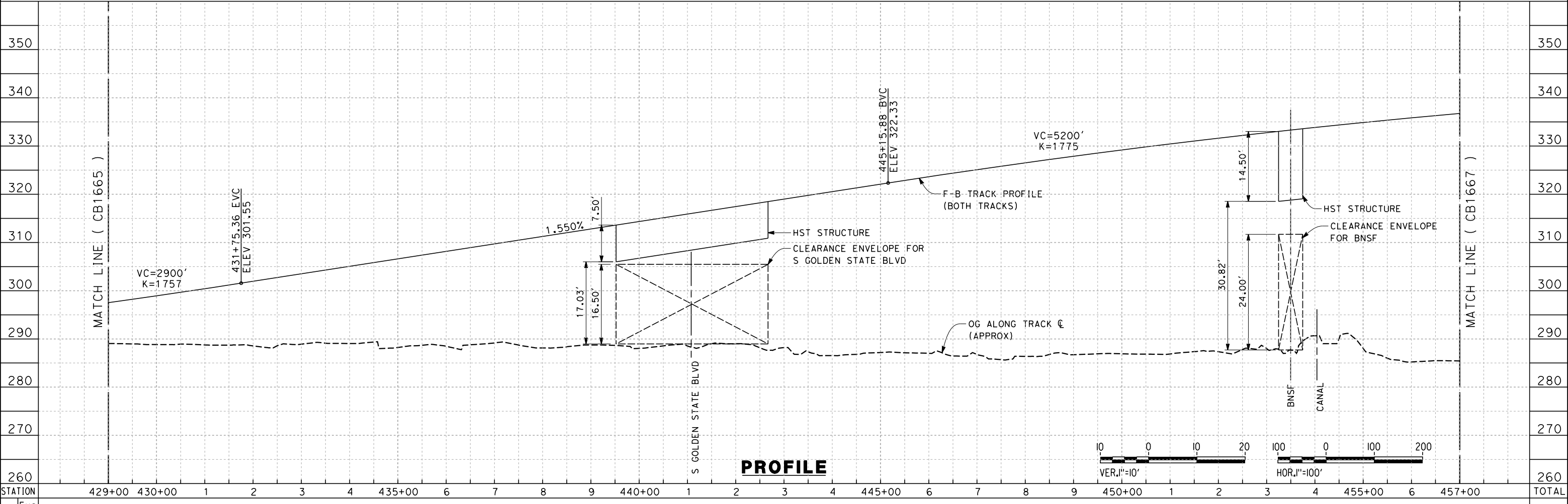
FRESNO SUBSECTION
ALIGNMENT F1
STA. 401+00 TO 429+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1665
 SCALE
AS SHOWN
 SHEET NO.
10 OF 29

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
1	220	21300	6.75	2.34	2500	12999



STATION	429+00	430+00	1	2	3	4	435+00	6	7	8	9	440+00	1	2	3	4	445+00	6	7	8	9	450+00	1	2	3	4	455+00	6	457+00	TOTAL
CY																														
	Exc																													
	Emb																													

DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION
DRAWN BY P. TONKIN	
CHECKED BY D. HUNT	
IN CHARGE R. COFFIN	
DATE 06/08/12	

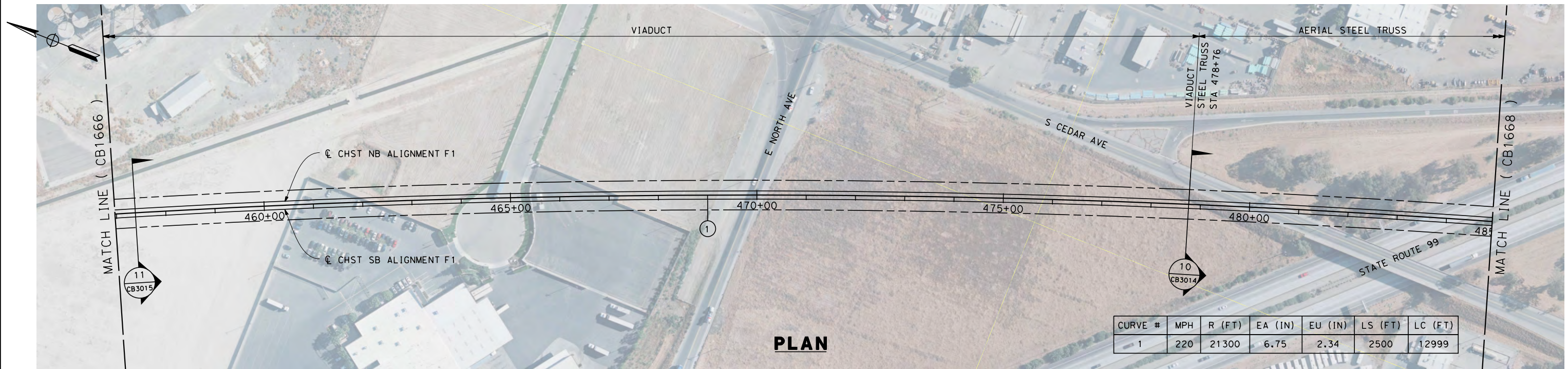
URS | HMM | ARUP



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 429+00 TO 457+00
PLAN AND PROFILE

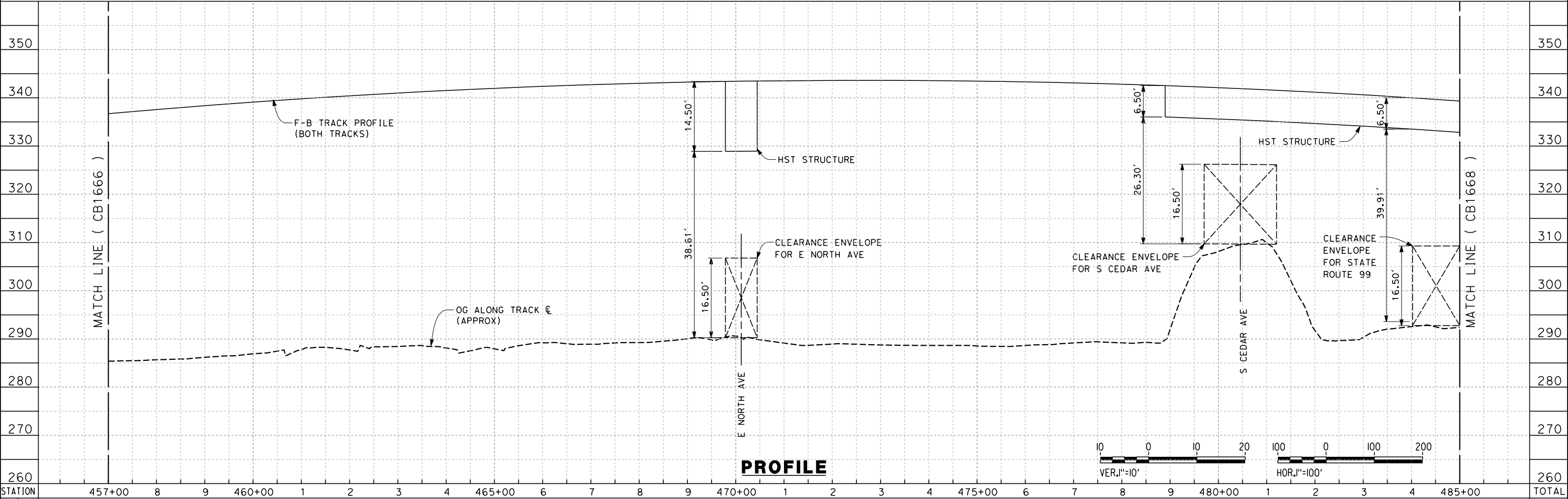
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1666
SCALE AS SHOWN
SHEET NO. 11 OF 29

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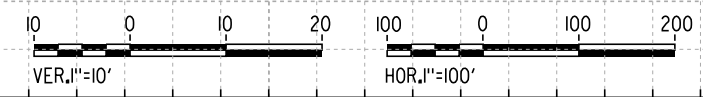


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
1	220	21300	6.75	2.34	2500	12999

PLAN



PROFILE



STATION	457+00	8	9	460+00	1	2	3	4	465+00	6	7	8	9	470+00	1	2	3	4	475+00	6	7	8	9	480+00	1	2	3	4	485+00	TOTAL
Exc																														
Emb																														

DESIGNED BY	K. SEYMOUR
DRAWN BY	P. TONKIN
CHECKED BY	D. HUNT
IN CHARGE	R. COFFIN
DATE	06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

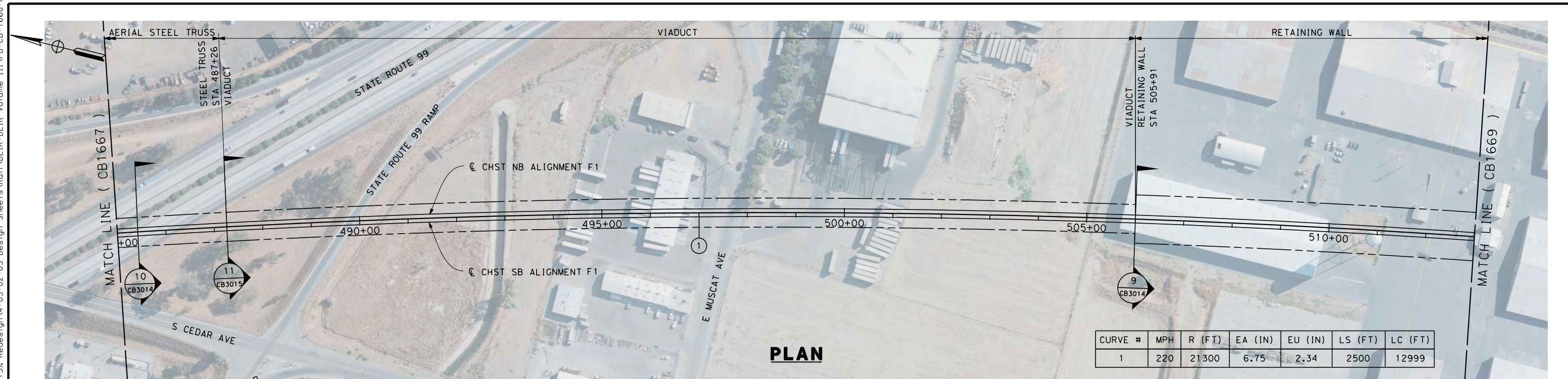


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION
ALIGNMENT F1
STA. 457+00 TO 485+00
PLAN AND PROFILE

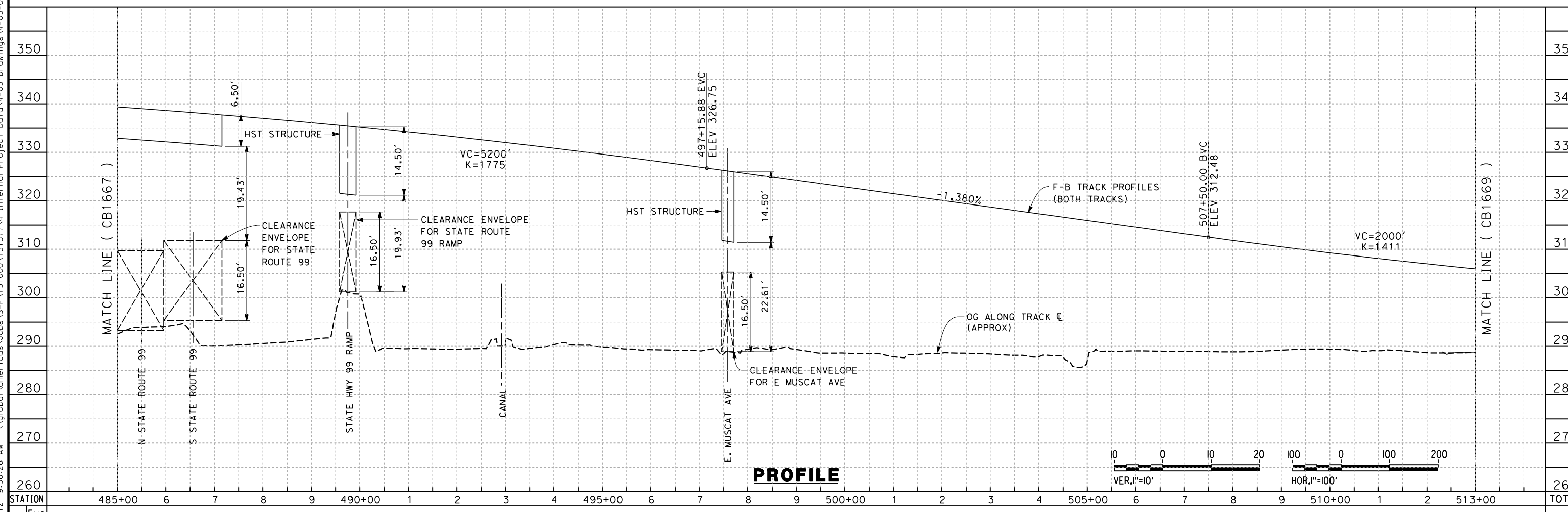
CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1667
SCALE	AS SHOWN
SHEET NO.	12 OF 29

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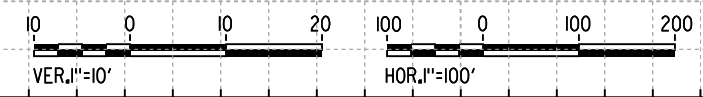


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
1	220	21300	6.75	2.34	2500	12999

PLAN



PROFILE



STATION	485+00	6	7	8	9	490+00	1	2	3	4	495+00	6	7	8	9	500+00	1	2	3	4	505+00	6	7	8	9	510+00	1	2	513+00	TOTAL
CY 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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

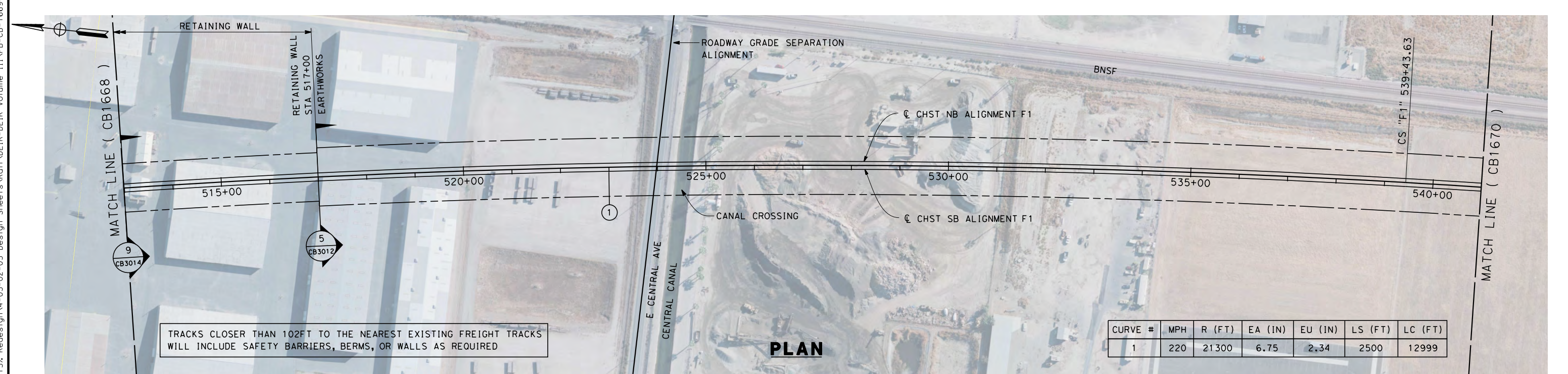


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION
ALIGNMENT F1
STA. 485+00 TO 513+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1668
SCALE
AS SHOWN
SHEET NO.
13 OF 29

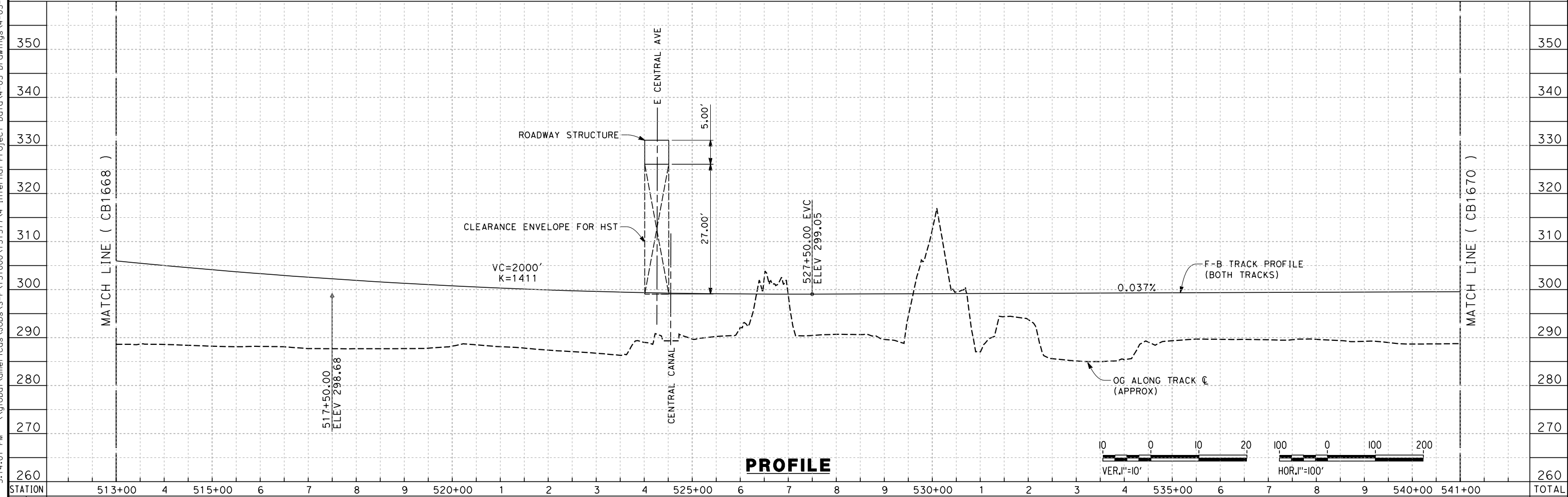
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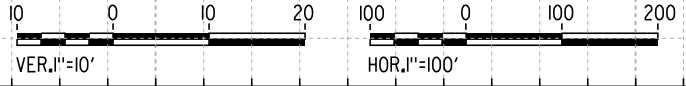
TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
1	220	21300	6.75	2.34	2500	12999

PLAN



PROFILE



STATION	513+00	4	515+00	6	7	8	9	520+00	1	2	3	4	525+00	6	7	8	9	530+00	1	2	3	4	535+00	6	7	8	9	540+00	541+00	TOTAL
CY	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

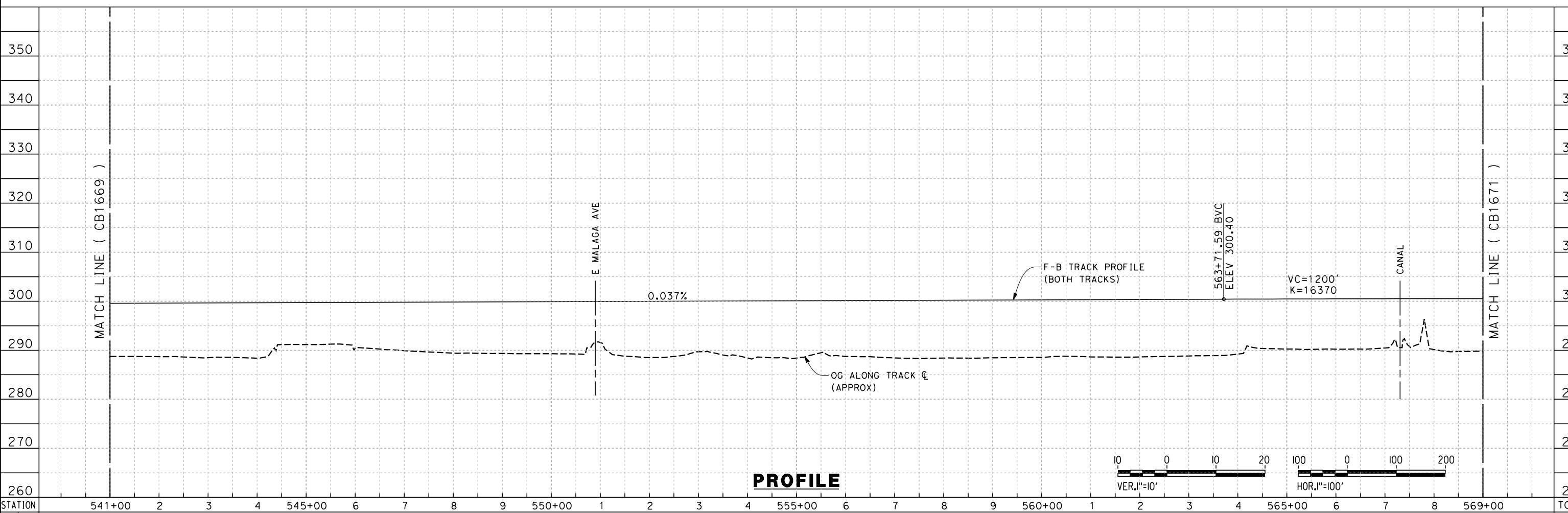
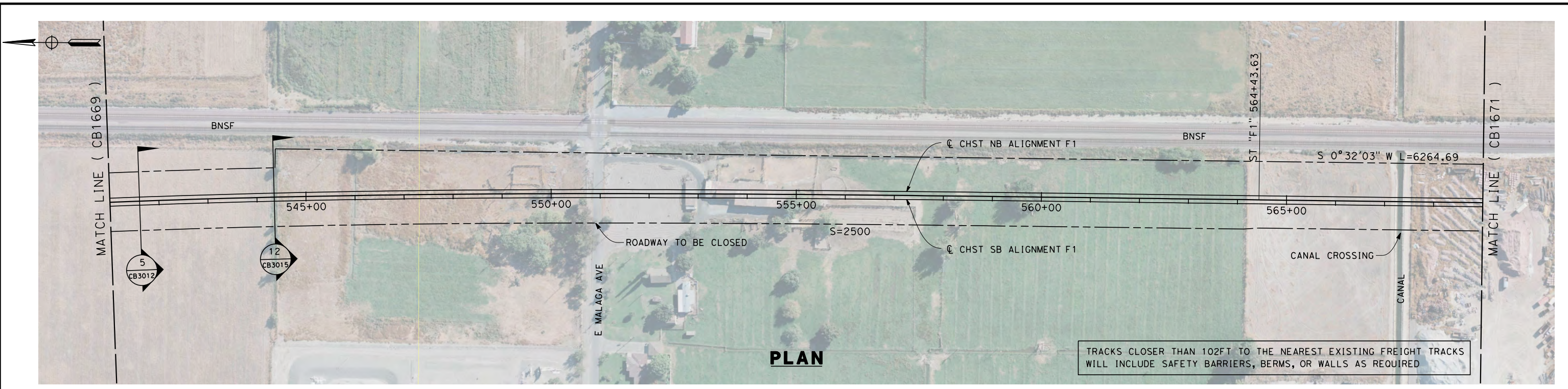
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 513+00 TO 541+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1669
SCALE
AS SHOWN
SHEET NO.
14 OF 29

6/8/2012 5:14:04 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1670-F1



STATION	541+00	2	3	4	545+00	6	7	8	9	550+00	1	2	3	4	555+00	6	7	8	9	560+00	1	2	3	4	565+00	6	7	8	569+00	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

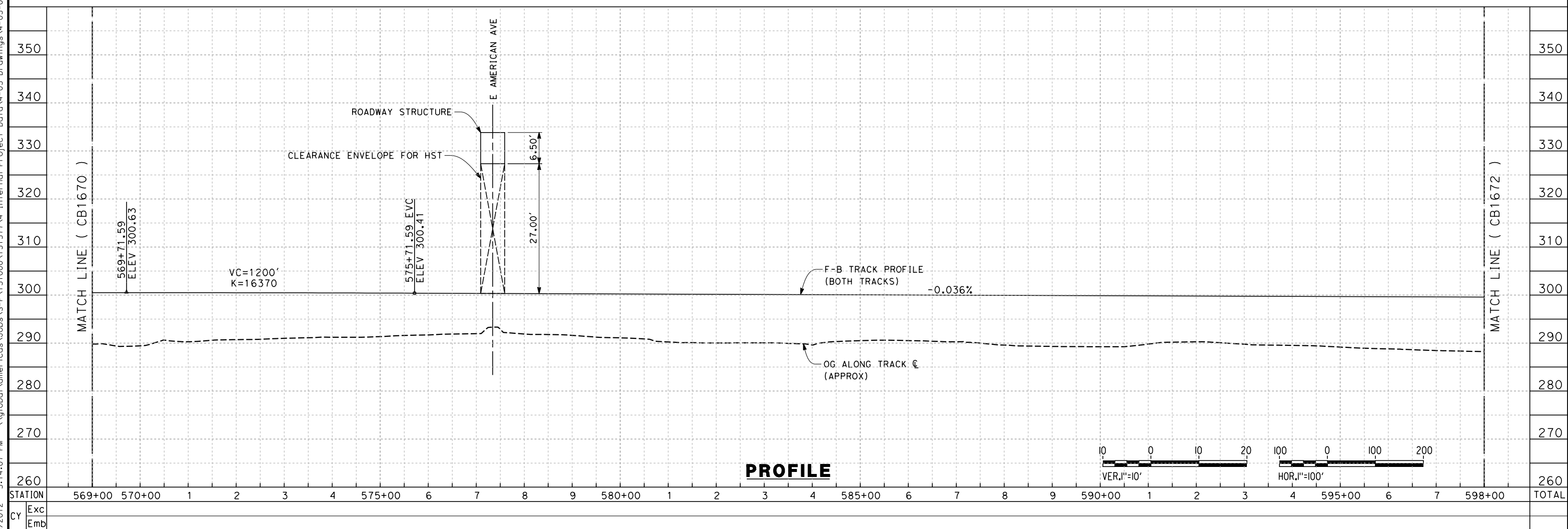
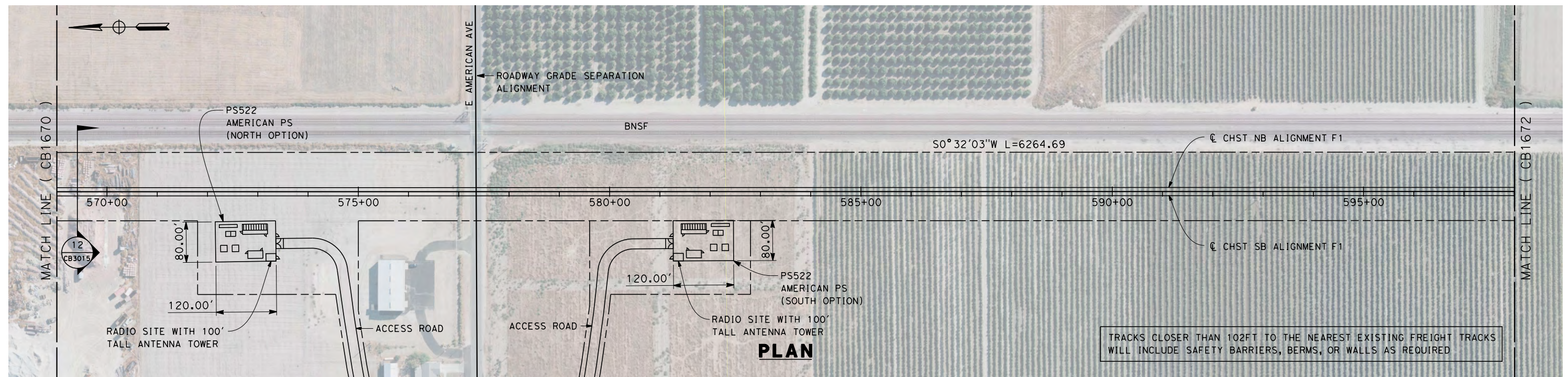
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 541+00 TO 569+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1670
SCALE
AS SHOWN
SHEET NO.
15 OF 29

6/8/2012 5:14:07 PM \\global\americas\Jobs\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1671-F1



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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

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

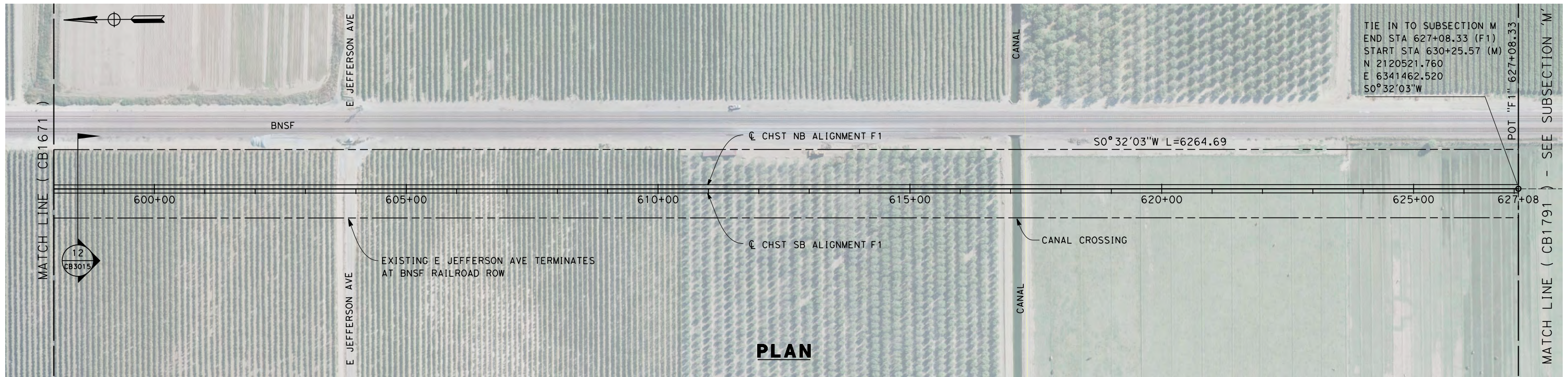
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1671

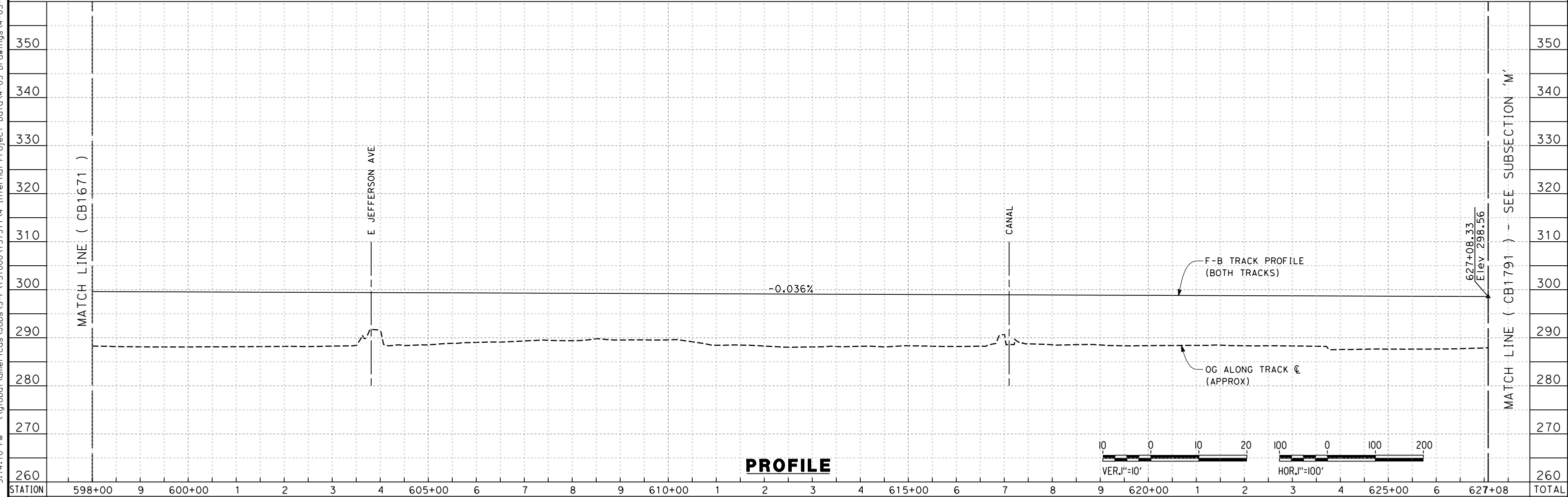
SCALE
AS SHOWN

SHEET NO.
16 OF 29

6/8/2012 5:14:10 PM \\global\americas\Jobs\F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\DEIR-DEIR Volume III\FB-CB-1672-F1.dwg



PLAN



PROFILE

STATION	598+00	9	600+00	1	2	3	4	605+00	6	7	8	9	610+00	1	2	3	4	615+00	6	7	8	9	620+00	1	2	3	4	625+00	6	627+08	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
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

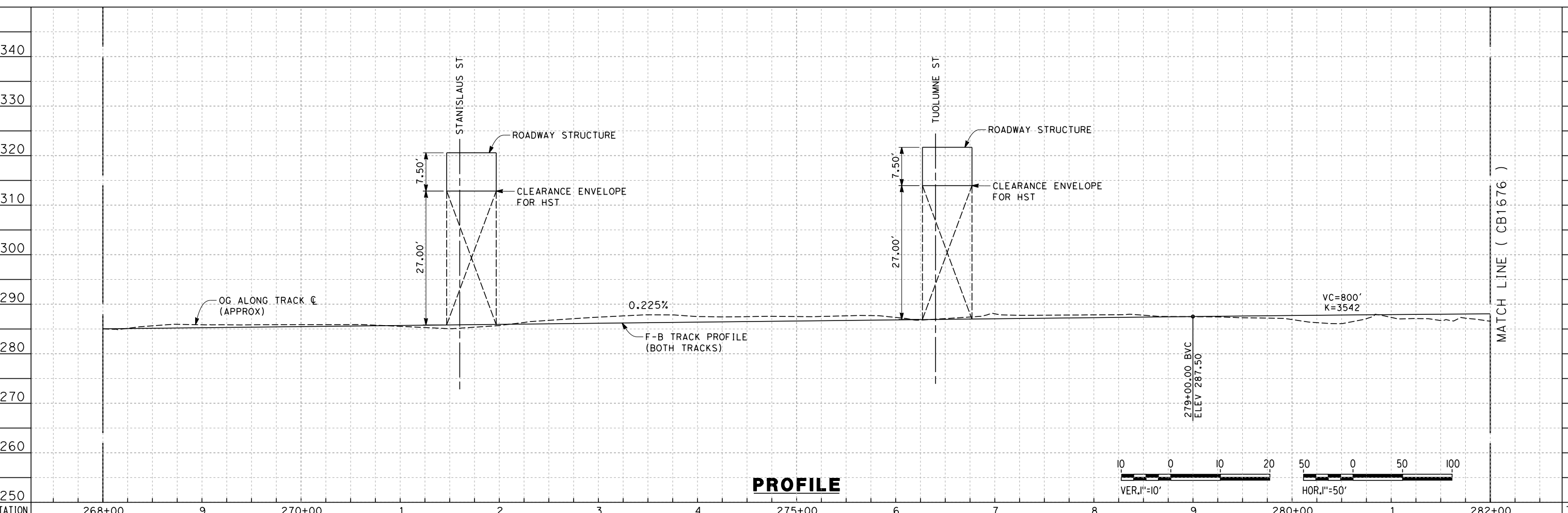
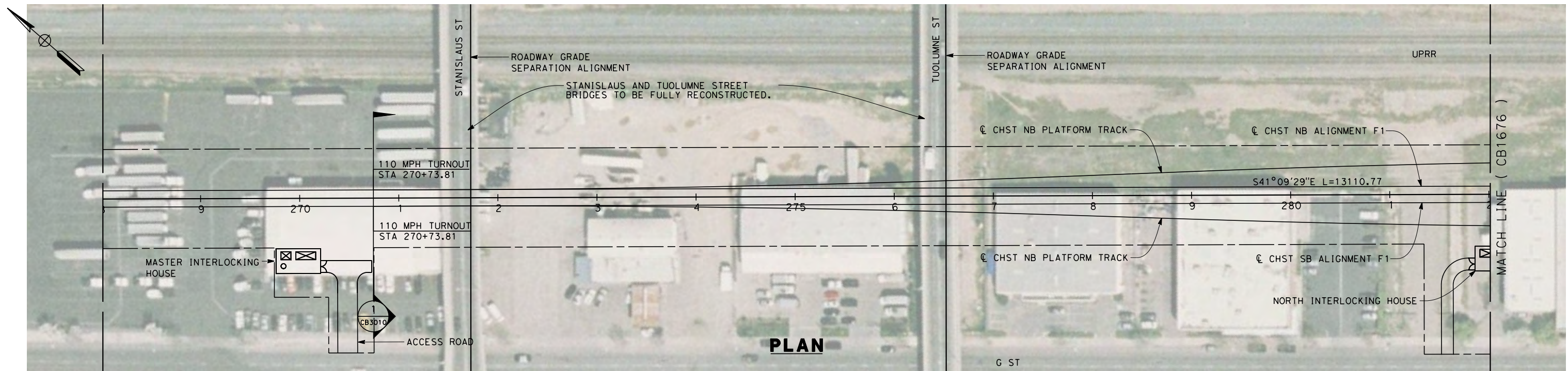
**NOT FOR
CONSTRUCTION**



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

FRESNO SUBSECTION
ALIGNMENT F1
STA. 598+00 TO 627+08
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1672
SCALE
AS SHOWN
SHEET NO.
17 OF 29



6/11/2012 8:52:15 AM \$FILEL\$. \$

STATION	268+00	9	270+00	1	2	3	4	275+00	6	7	8	9	280+00	1	282+00	TOTAL
Exc																
Emb																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/08/12

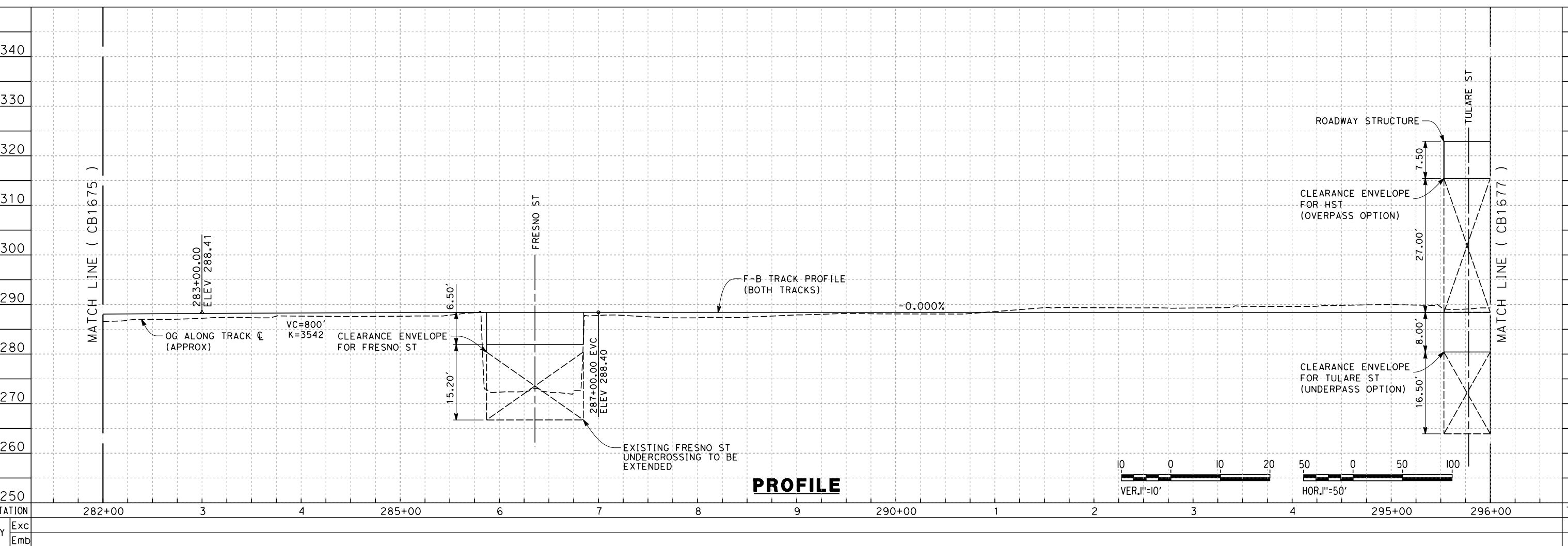
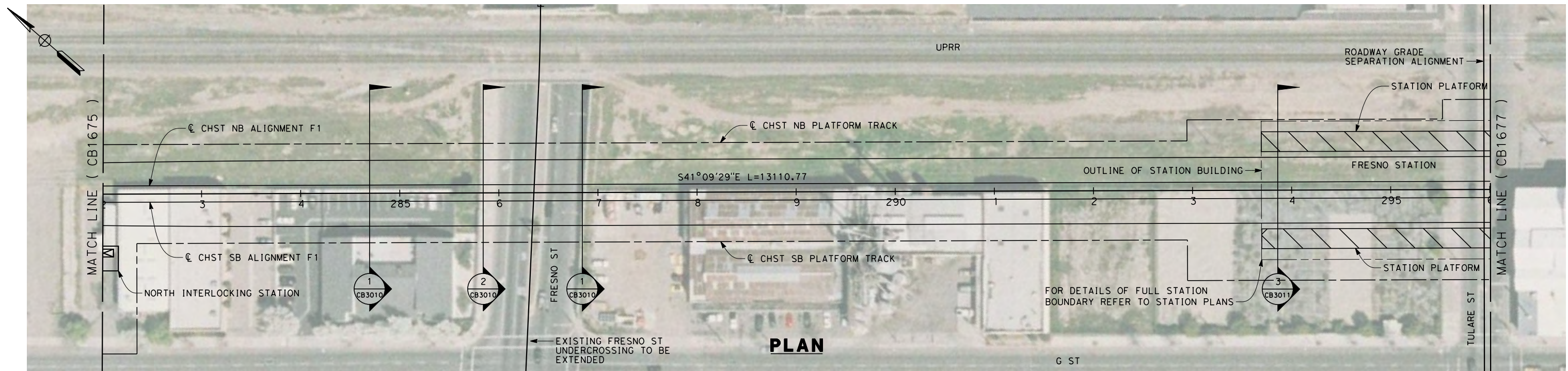
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KERN STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 268+00 TO 282+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1675
SCALE
AS SHOWN
SHEET NO.
18 OF 29



6/11/2012 8:53:25 AM \$FILEL\$.S paul.tonkin

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/08/12

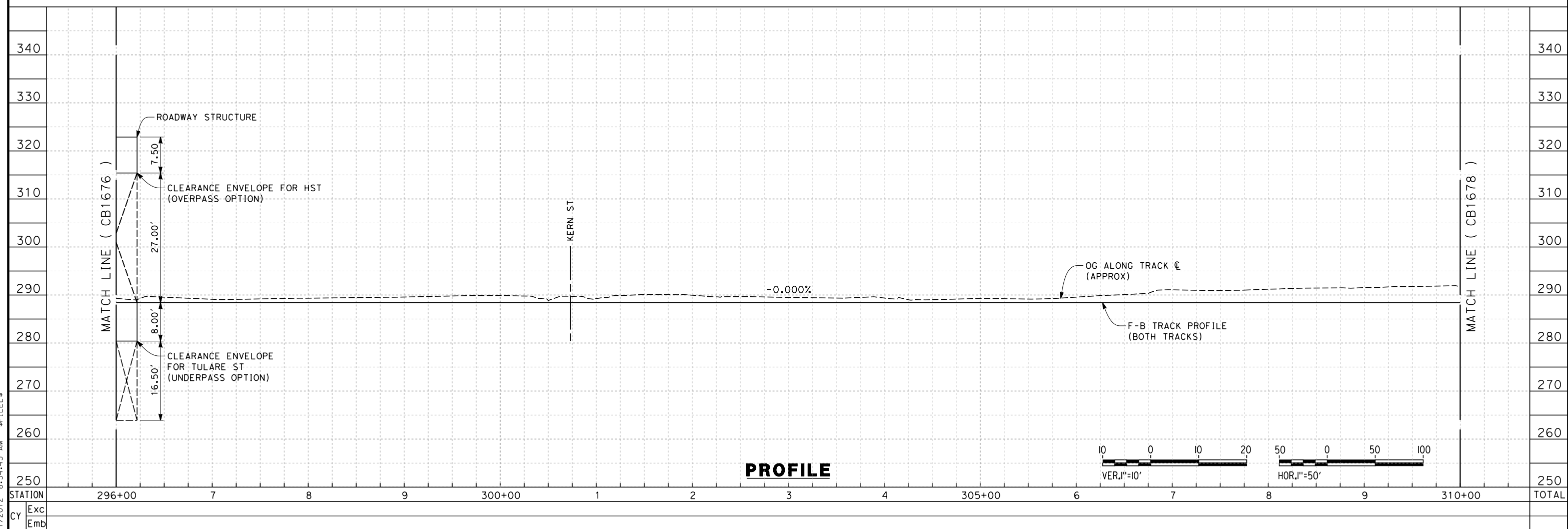
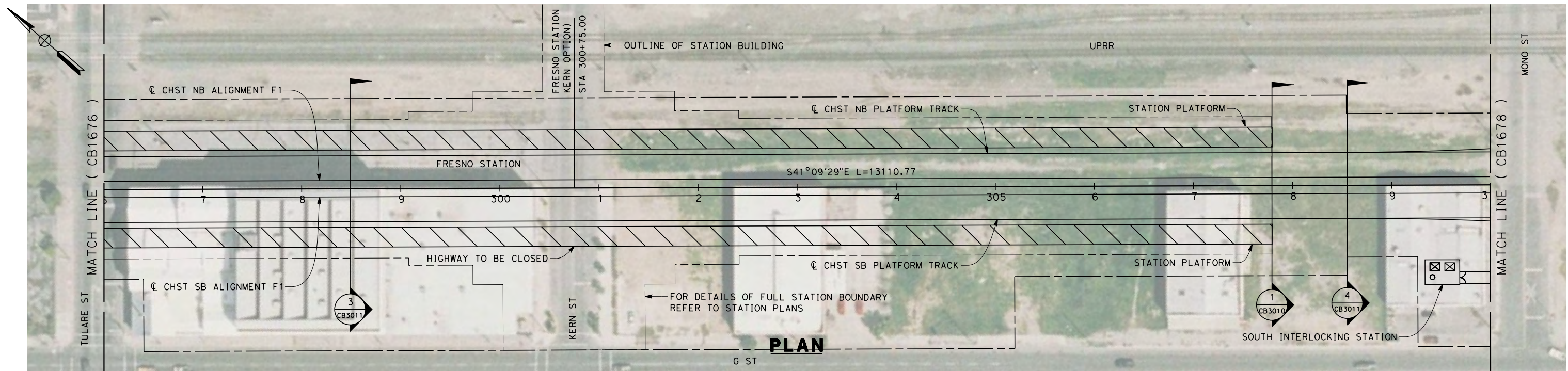
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KERN STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 282+00 TO 296+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1676
SCALE
AS SHOWN
SHEET NO.
19 OF 29



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

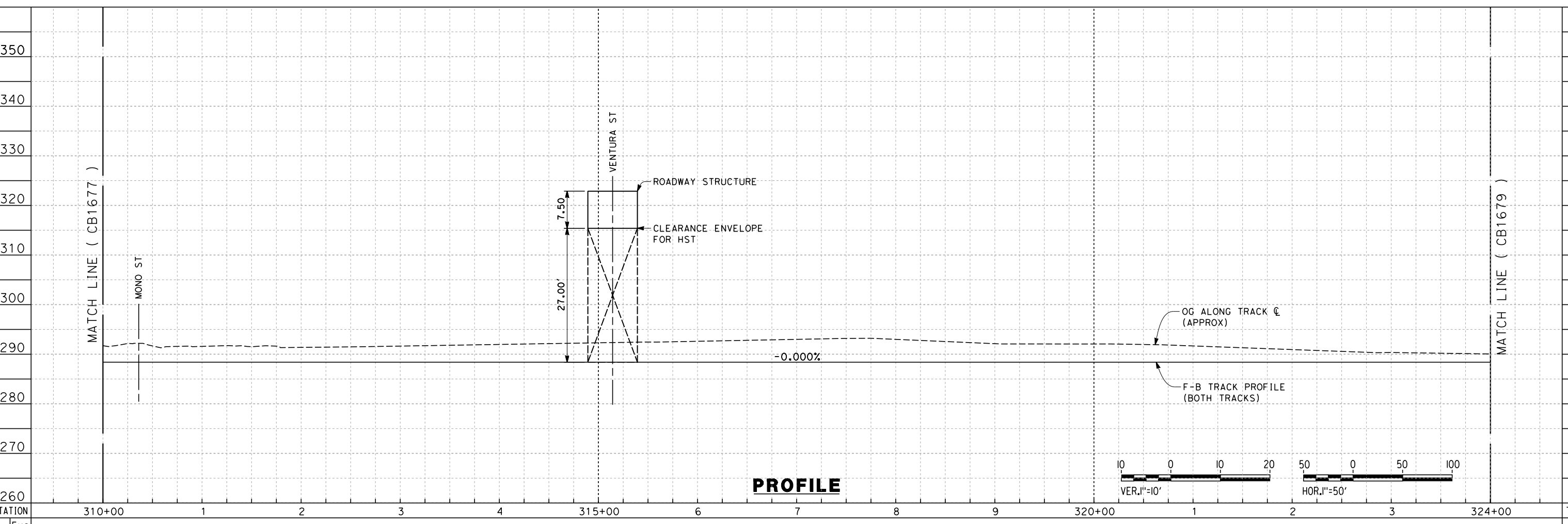
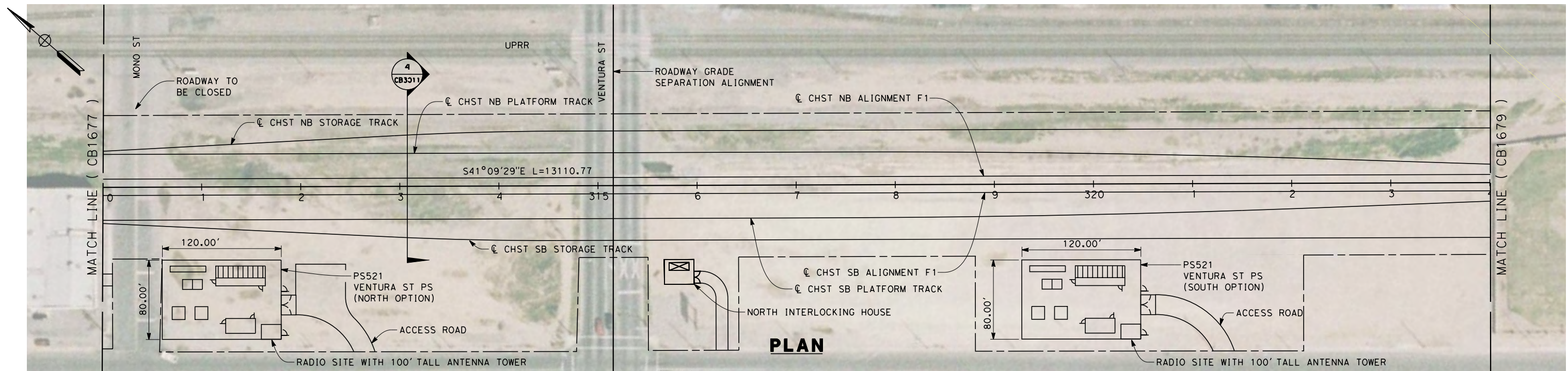
**NOT FOR
CONSTRUCTION**



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

KERN STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 296+00 TO 310+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1677
SCALE
AS SHOWN
SHEET NO.
20 OF 29



6/11/2012 8:55:54 AM \$FILEL\$.S paul.tonkin

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/08/12

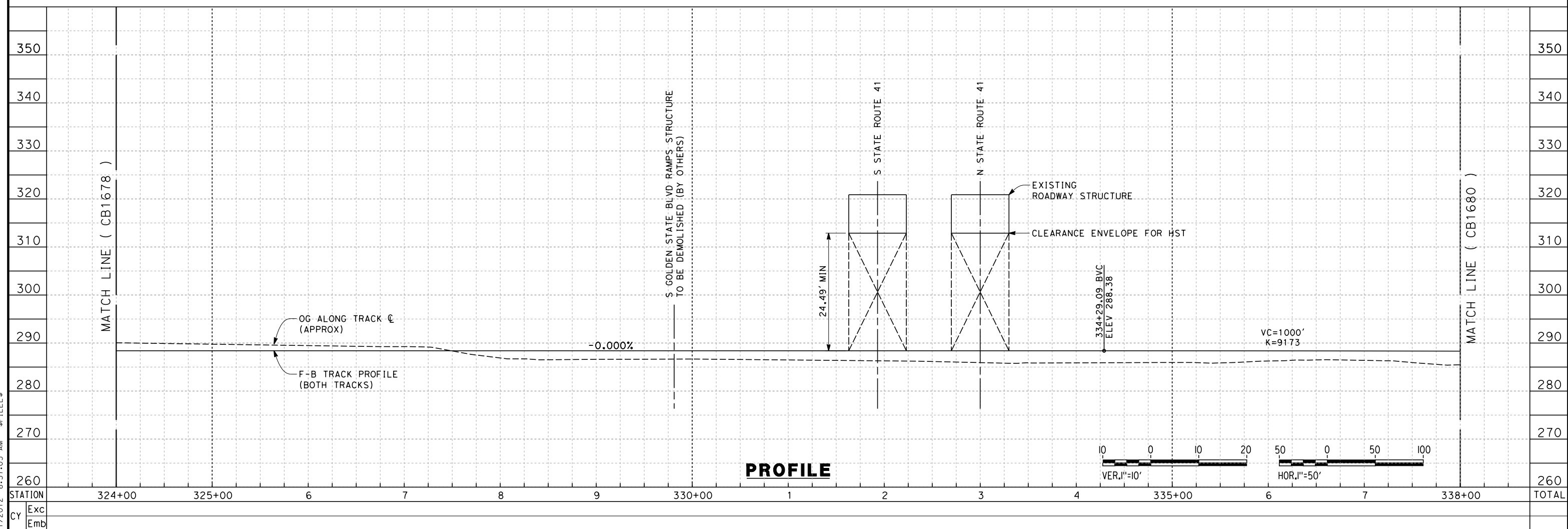
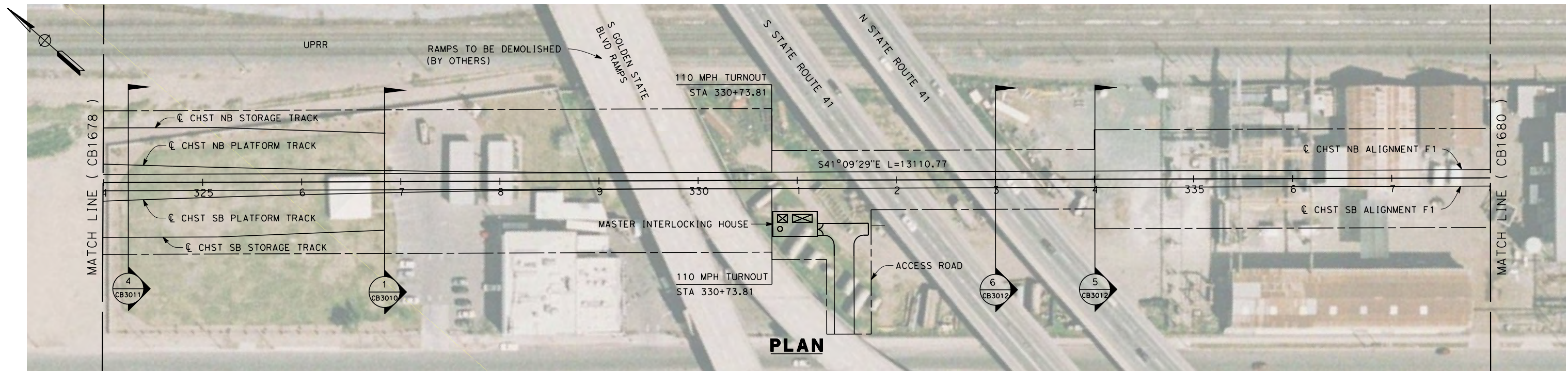
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KERN STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 310+00 TO 324+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1678
SCALE
AS SHOWN
SHEET NO.
21 OF 29



6/11/2012 8:57:05 AM \$FILEL\$ paul.tonkin

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
A. LUFT

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

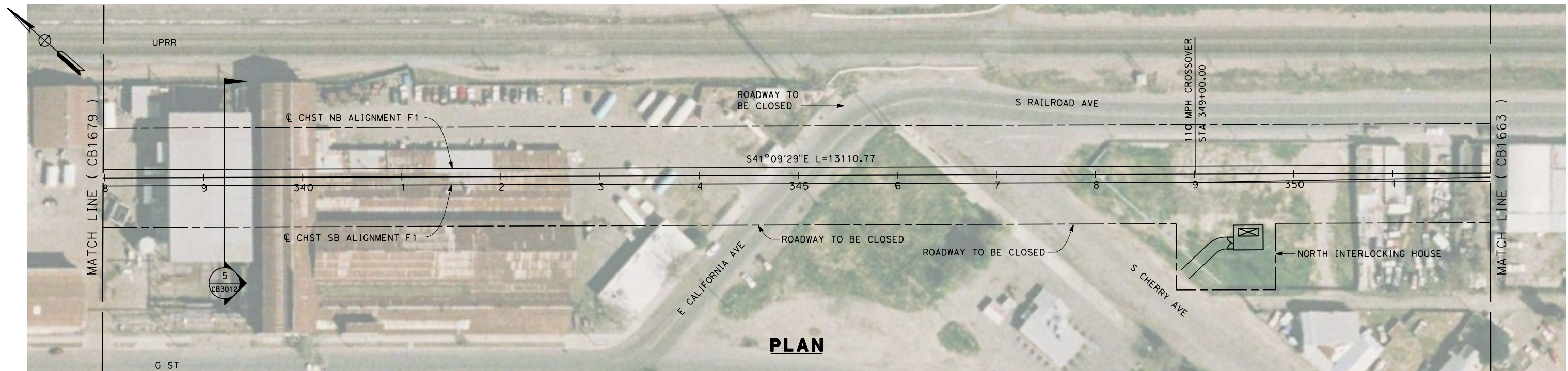
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ALIGNMENT F1
STA. 324+00 TO 338+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

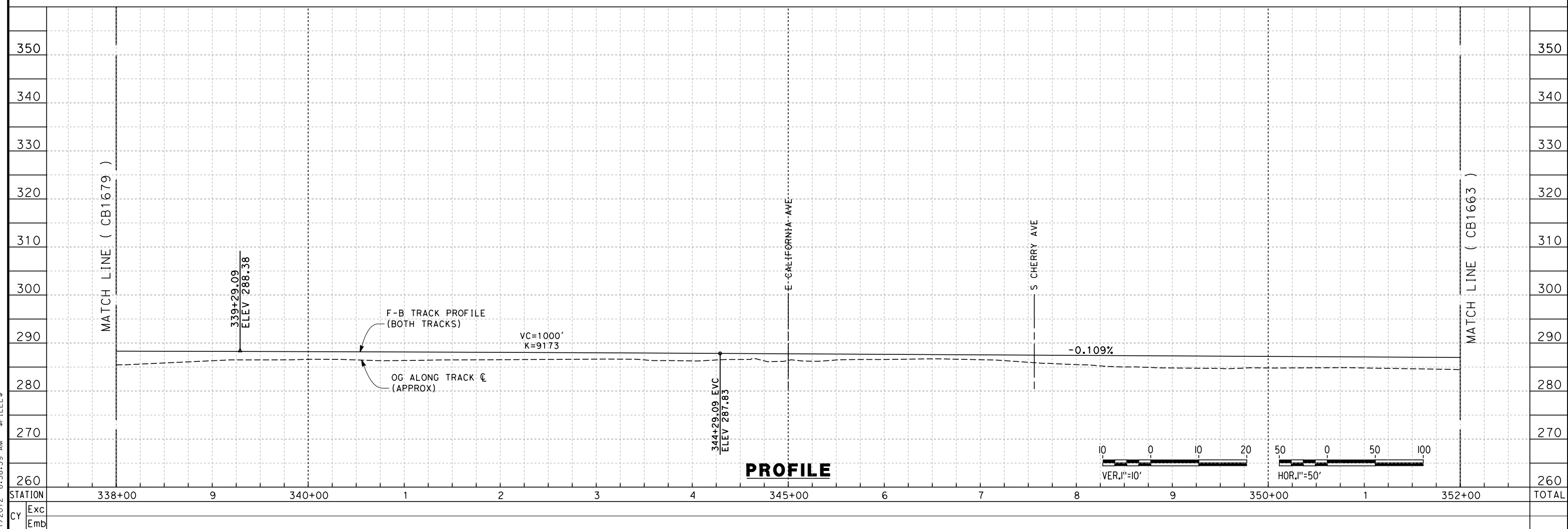
DRAWING NO.
CB1679

SCALE
AS SHOWN

SHEET NO.
22 OF 29



PLAN



PROFILE

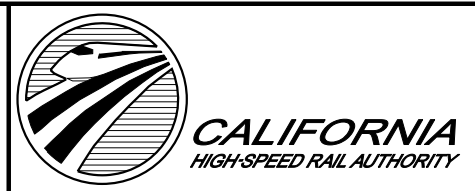
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

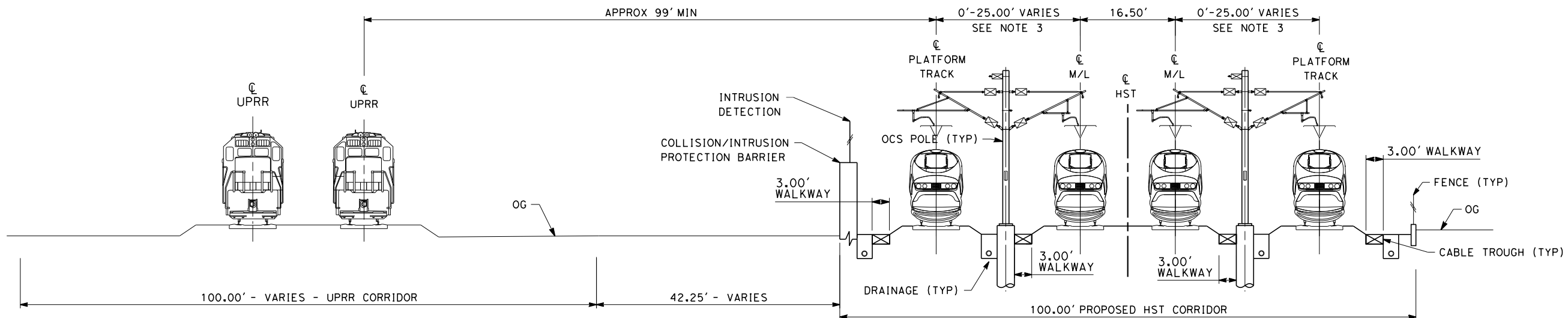
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KERN STATION - FRESNO SUBSECTION
ALIGNMENT F1
STA. 338+00 TO 352+00
PLAN AND PROFILE

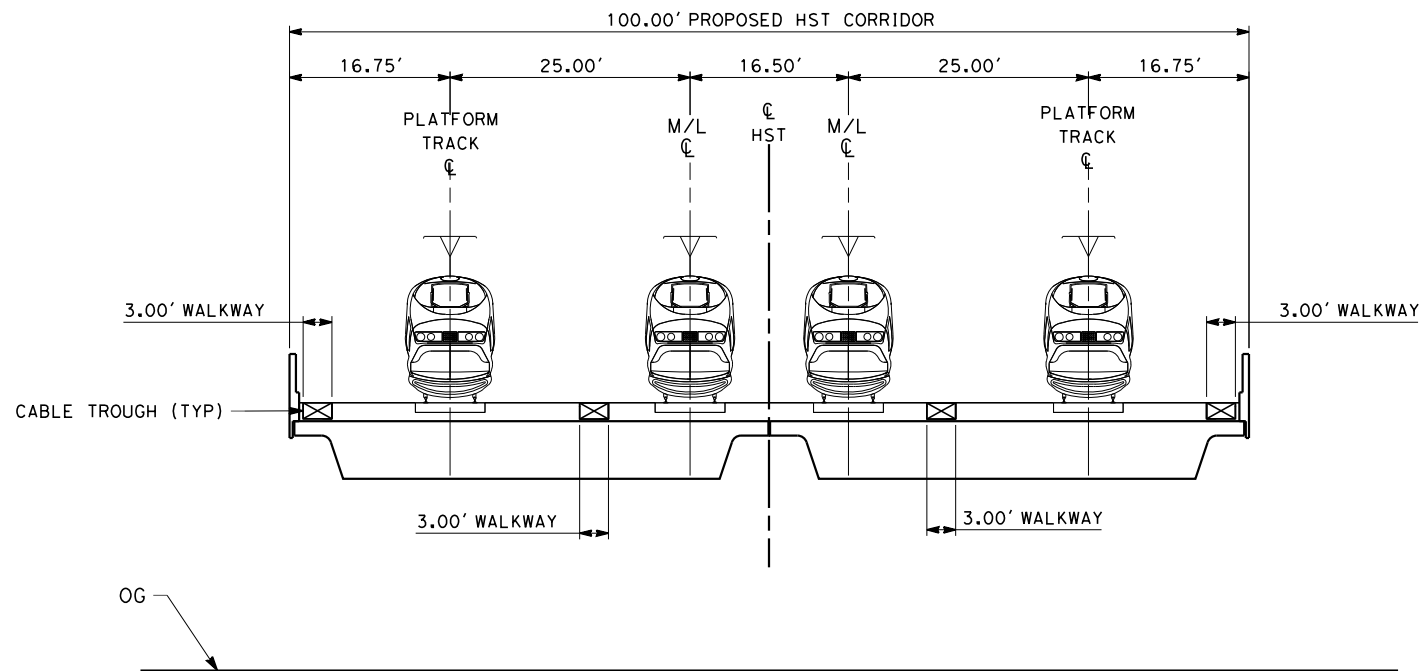
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CB1680
SCALE
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SHEET NO.
23 OF 29

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SECTION 1

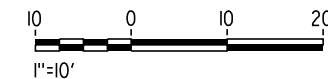
TWIN TRACK AT GRADE 100FT ROW ADJACENT TO UPRR
 STA 257+25 THROUGH STA 278+77
 STA 279+92 THROUGH STA 280+20
 STA 294+30 THROUGH STA 295+05
 STA 313+25 THROUGH STA 317+25



SECTION 2

4 TRACK - BRIDGE STRUCTURE
 STA 278+77 THROUGH STA 279+92

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. DISTANCE BETWEEN TWO TRACKS VARIES FROM 0-25.00' THROUGH TURNOUTS AND REVERSE TO PARALLEL.



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

**RECORD SET 15%
 DESIGN SUBMISSION**

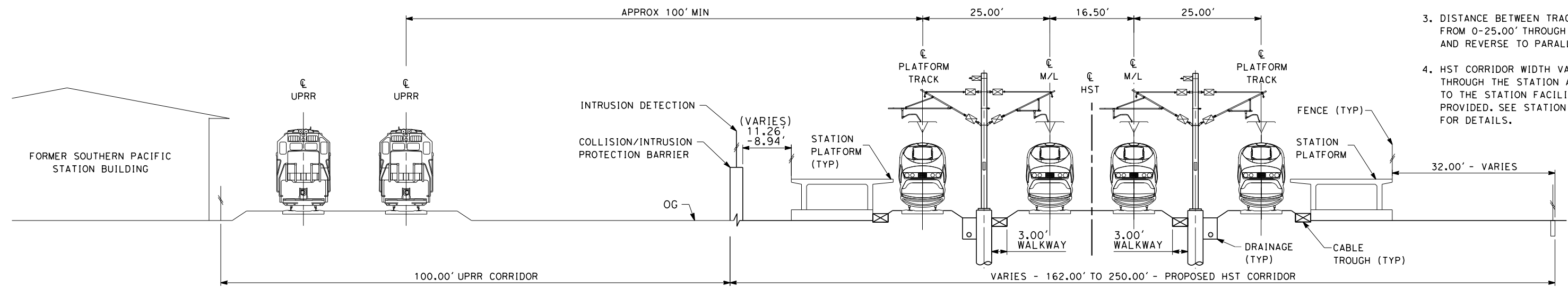
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 FRESNO SUBSECTION
 ALIGNMENT F1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3010
 SCALE
AS SHOWN
 SHEET NO.
24 OF 29

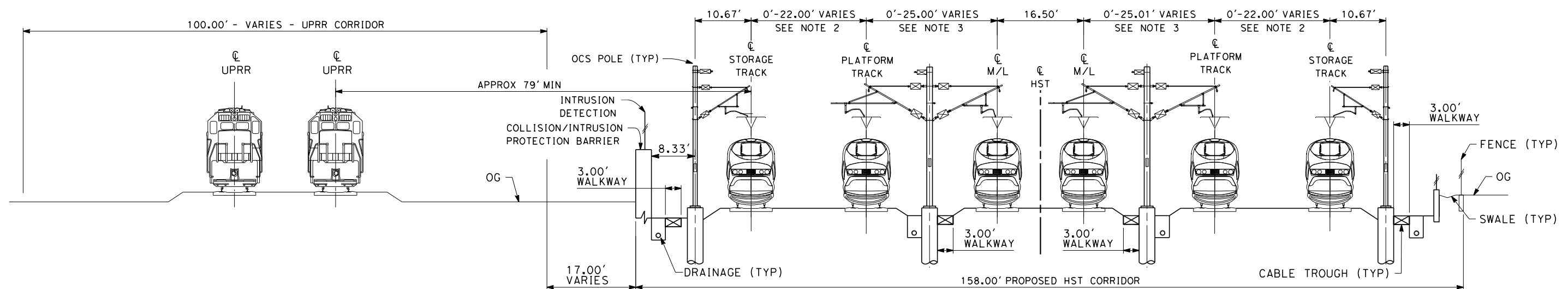
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. DISTANCE BETWEEN TRACKS VARIES FROM 0-22.00' THROUGH TURNOUTS AND REVERSE TO PARALLEL.
 3. DISTANCE BETWEEN TRACKS VARIES FROM 0-25.00' THROUGH TURNOUTS AND REVERSE TO PARALLEL.
 4. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.

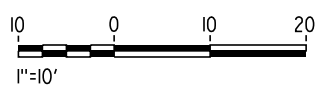
SECTION 3

4 TRACK - AT GRADE STATION PLATFORMS
STA 280+20 THROUGH STA 294+30



SECTION 4

6 TRACK - AT GRADE STORAGE TRACKS
STA 295+05 THROUGH STA 313+25



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

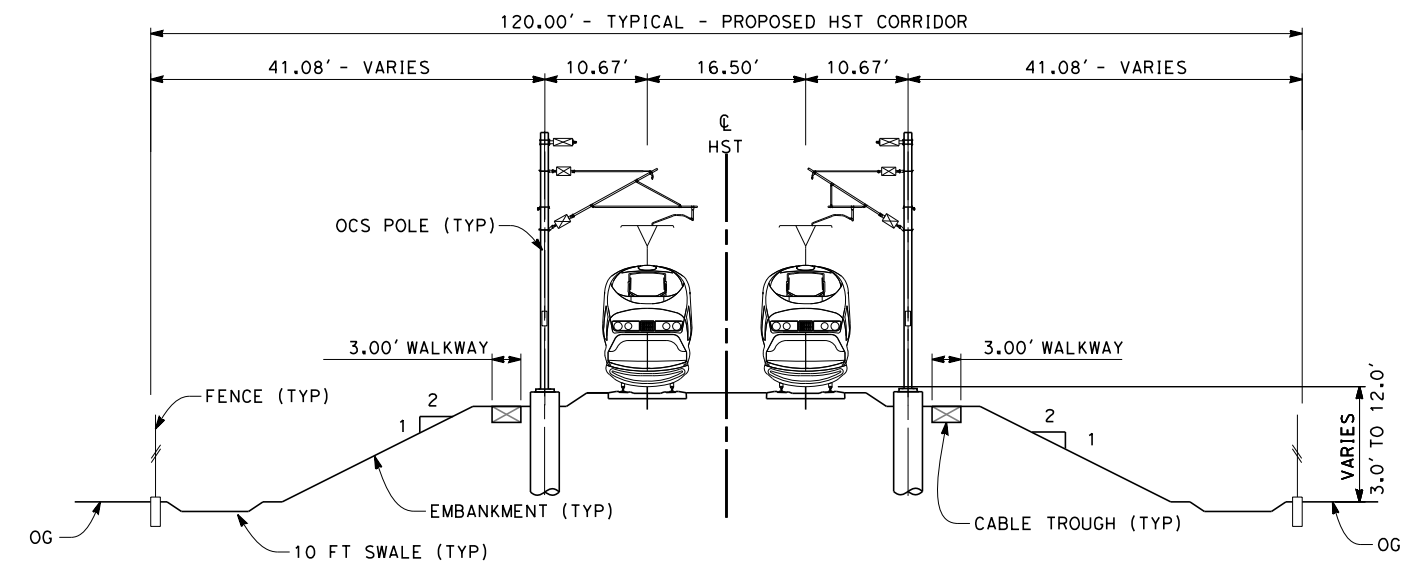


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3011
SCALE
AS SHOWN
SHEET NO.
25 OF 29

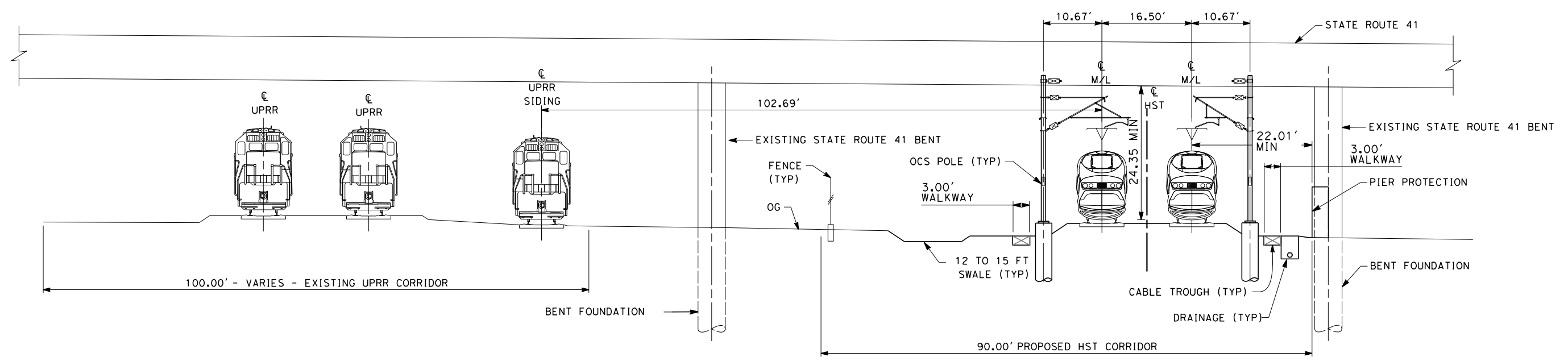
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. OCS TO BE DESIGNED TO ACCOMODATE THE EXISTING BRIDGE STRUCTURE. VERTICAL CLEARANCES ARE IN ACCORDANCE WITH TM 2.1.21



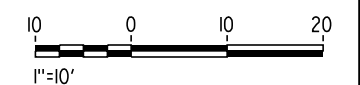
SECTION 5

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
 STA 317+25 THROUGH STA 324+50
 STA 326+30 THROUGH STA 352+25
 STA 517+00 THROUGH STA 544+35



SECTION 6

TWIN TRACK - AT GRADE UNDER SR-41
 STA 324+50 THROUGH STA 326+30



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

**RECORD SET 15%
 DESIGN SUBMISSION**

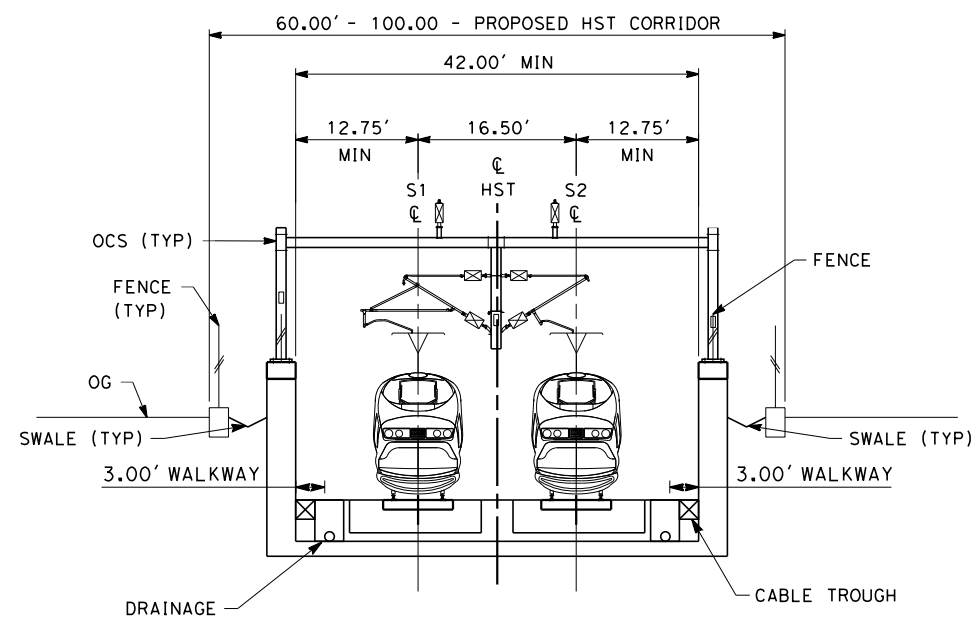
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 FRESNO SUBSECTION
 ALIGNMENT F1
 CROSS SECTIONS

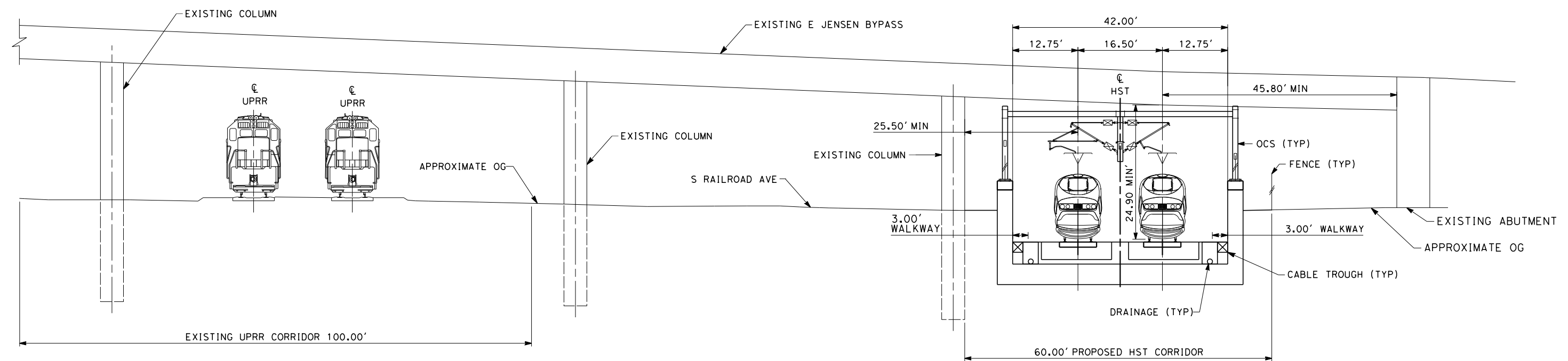
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3012
 SCALE
AS SHOWN
 SHEET NO.
26 OF 29

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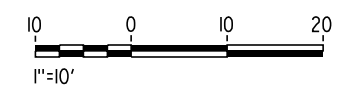


SECTION 7
TWIN TRACK - TRENCH
STA 352+25 THROUGH STA 408+00
STA 409+50 THROUGH STA 421+25

- 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. OCS TO BE DESIGNED TO ACCOMMODATE THE EXISTING BRIDGE STRUCTURE. VERTICAL CLEARANCES ARE IN ACCORDANCE WITH TM 2.1.21



SECTION 8
TWIN TRACK - TRENCH UNDER E JENSEN AVE
STA 408+00 THROUGH STA 409+50



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

**RECORD SET 15%
DESIGN SUBMISSION**

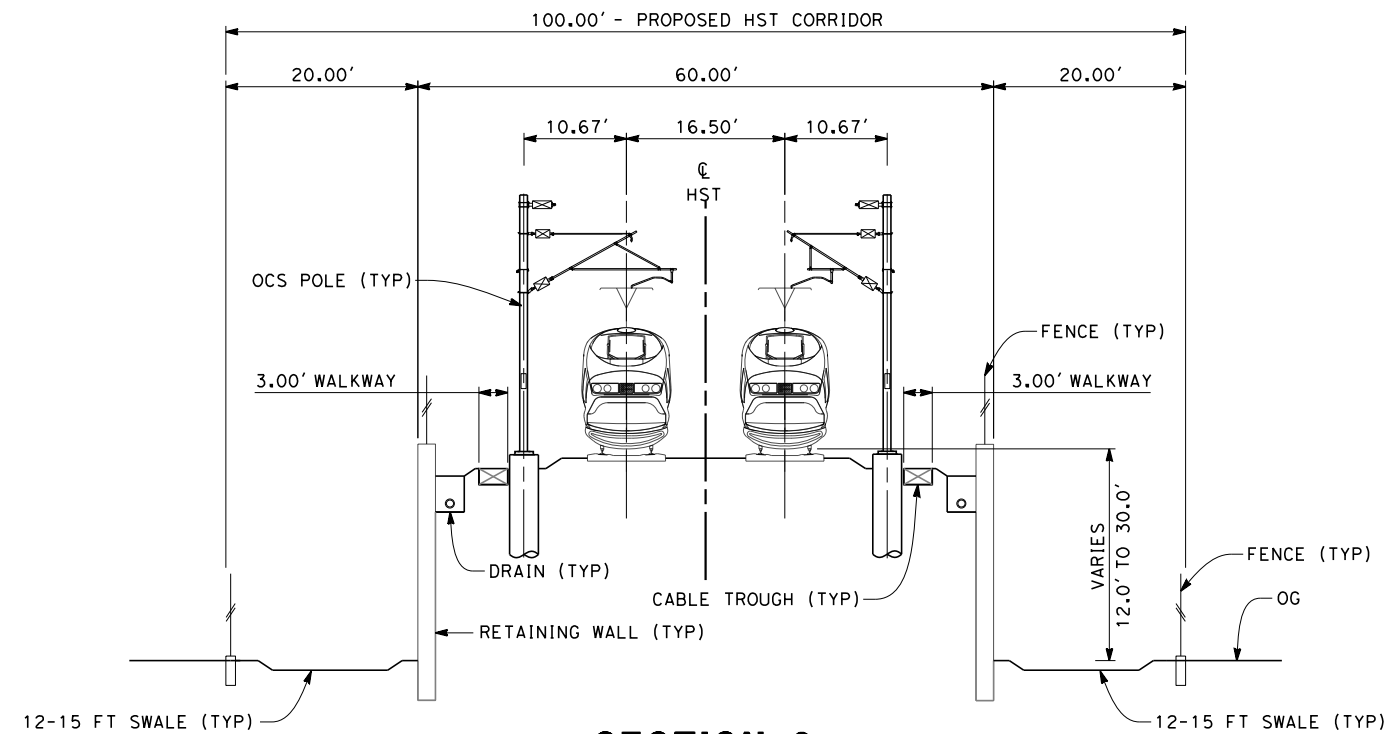
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

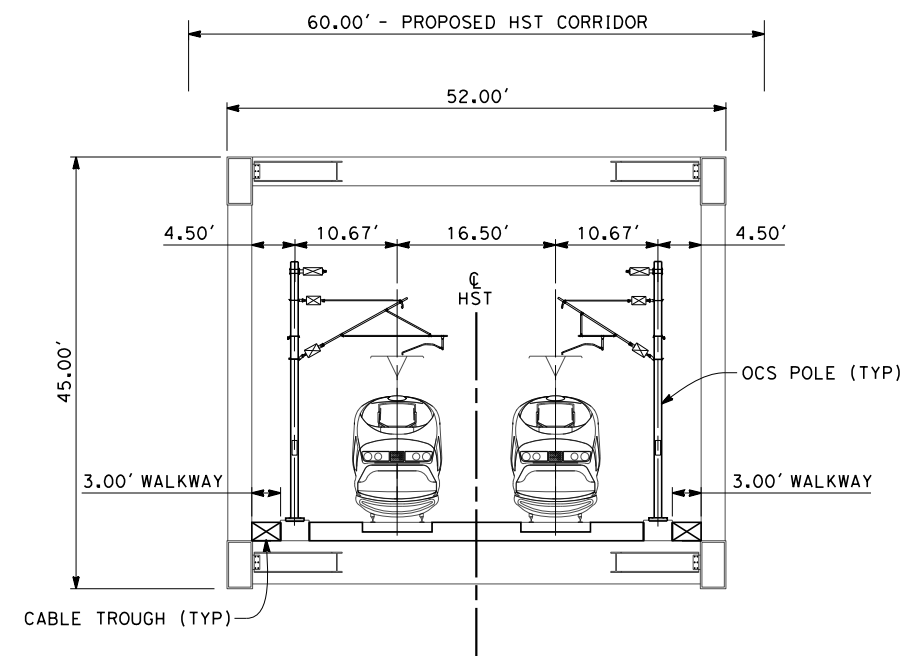
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3013
SCALE
AS SHOWN
SHEET NO.
27 OF 29

6/8/2012 5:14:20 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Redesign\Rail\DEIR-DEIR Volume III\FB-CB-3014-F1



SECTION 9

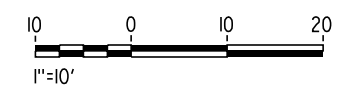
TWIN TRACK ON RET WALL
 STA 421+25 THROUGH STA 439+48
 STA 505+91 THROUGH STA 517+00



SECTION 10

TWIN TRACK ON TRUSS
 STA 439+48 THROUGH STA 442+63
 STA 478+76 THROUGH STA 487+26

- 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
K. SEYMOUR
 DRAWN BY
P. TONKIN
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
 DESIGN SUBMISSION**

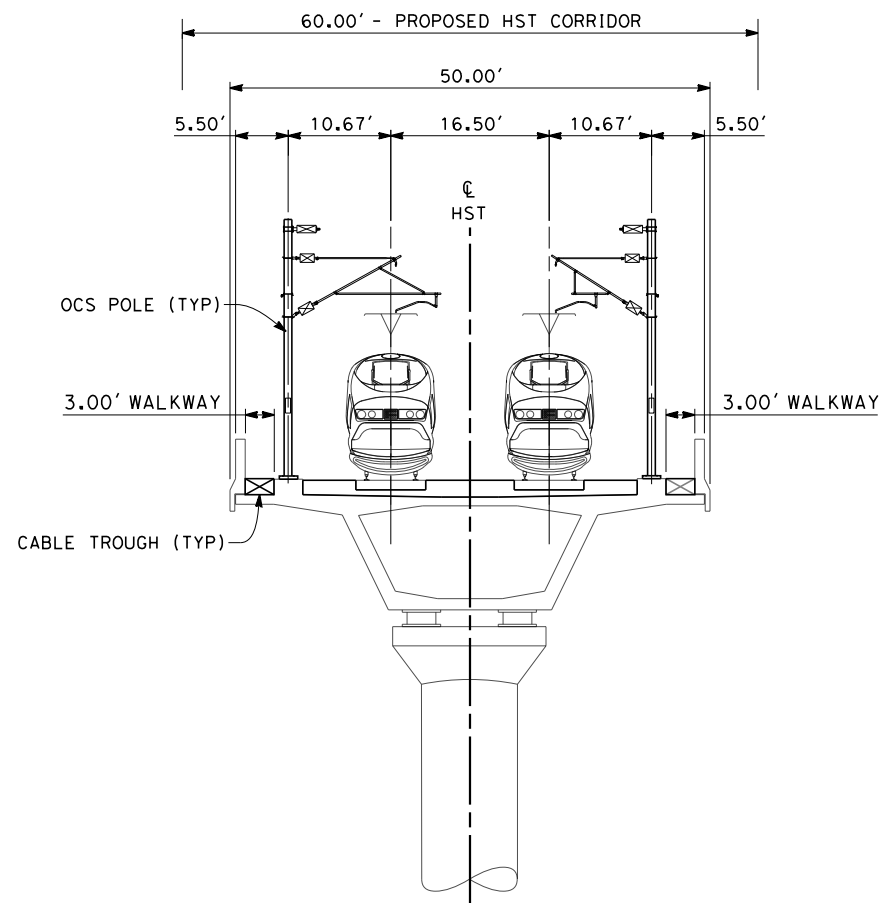
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 FRESNO SUBSECTION
 ALIGNMENT F1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3014
 SCALE
AS SHOWN
 SHEET NO.
28 OF 29

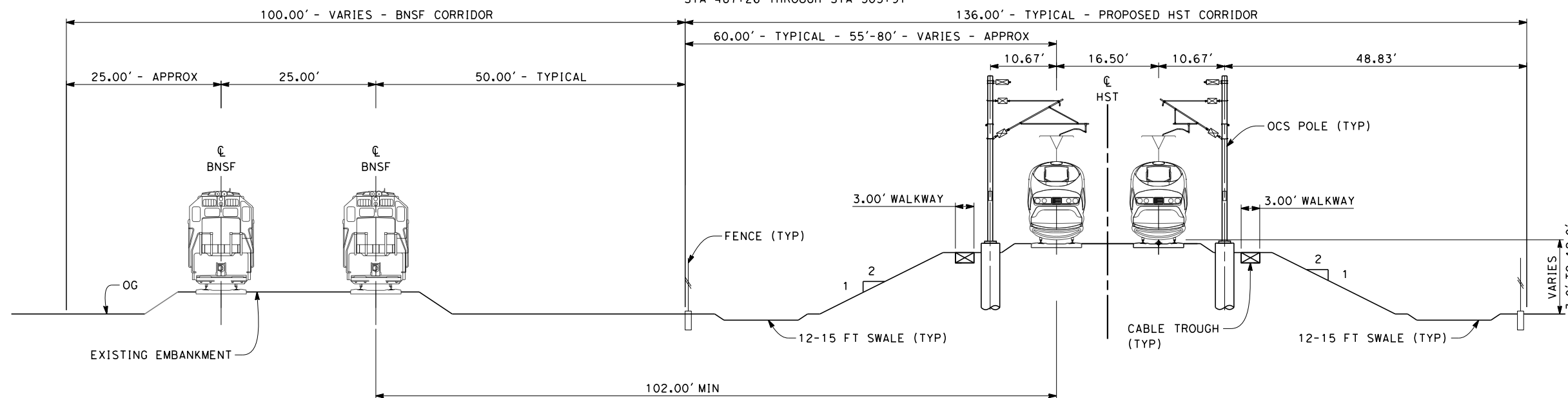
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
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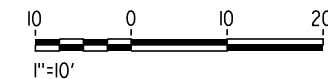
SECTION 11

TWIN TRACK - AERIAL STRUCTURE
 STA 442+63 THROUGH STA 478+76
 STA 487+26 THROUGH STA 505+91



SECTION 12

TWIN TRACK ADJACENT TO BNSF - EMBANKMENT WITH OPEN DRAINAGE
 STA 544+35 THROUGH STA 627+08



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

**RECORD SET 15%
 DESIGN SUBMISSION**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 FRESNO SUBSECTION
 ALIGNMENT F1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3015
 SCALE
AS SHOWN
 SHEET NO.
29 OF 29

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LEGEND

---+---+ EXISTING FREIGHT RAILROAD

— PROPOSED CHST

2000 0 2000 4000

1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

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**

MONMOUTH SUBSECTION
ALIGNMENT M
STA. 630+25 TO 1065+07
KEY MAP

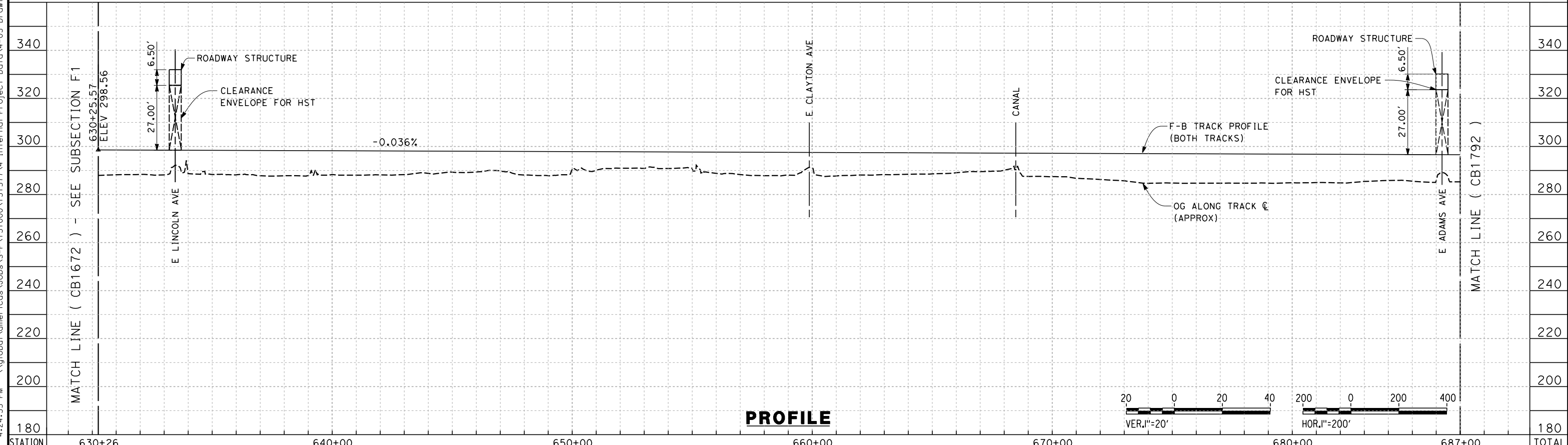
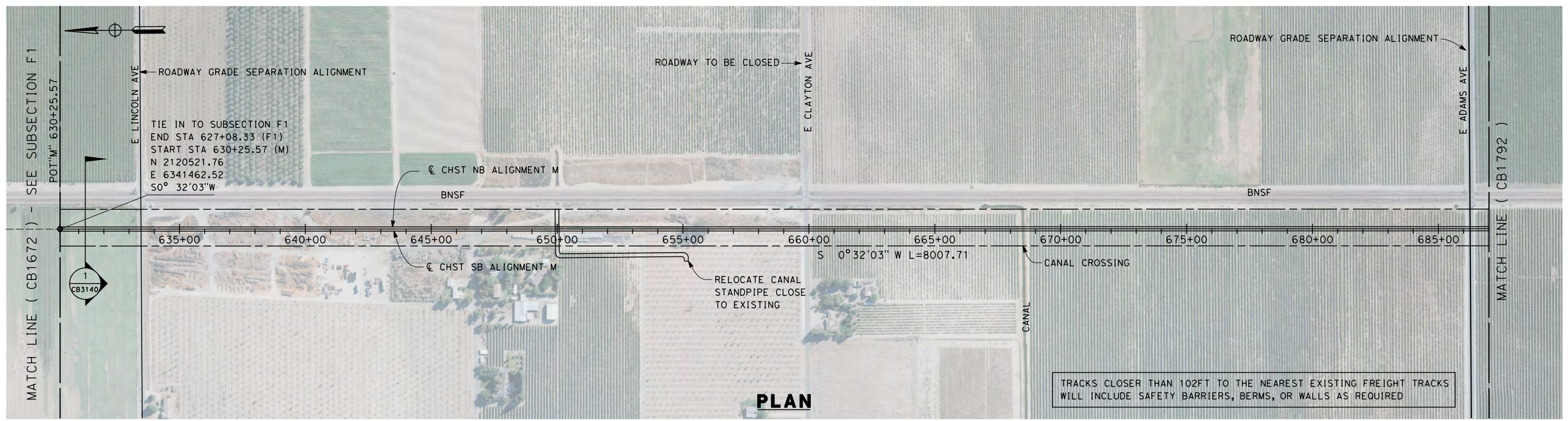
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HSR 06-0003

DRAWING NO.
CB1790

SCALE
AS SHOWN

SHEET NO.
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STATION	630+26	640+00	650+00	660+00	670+00	680+00	687+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

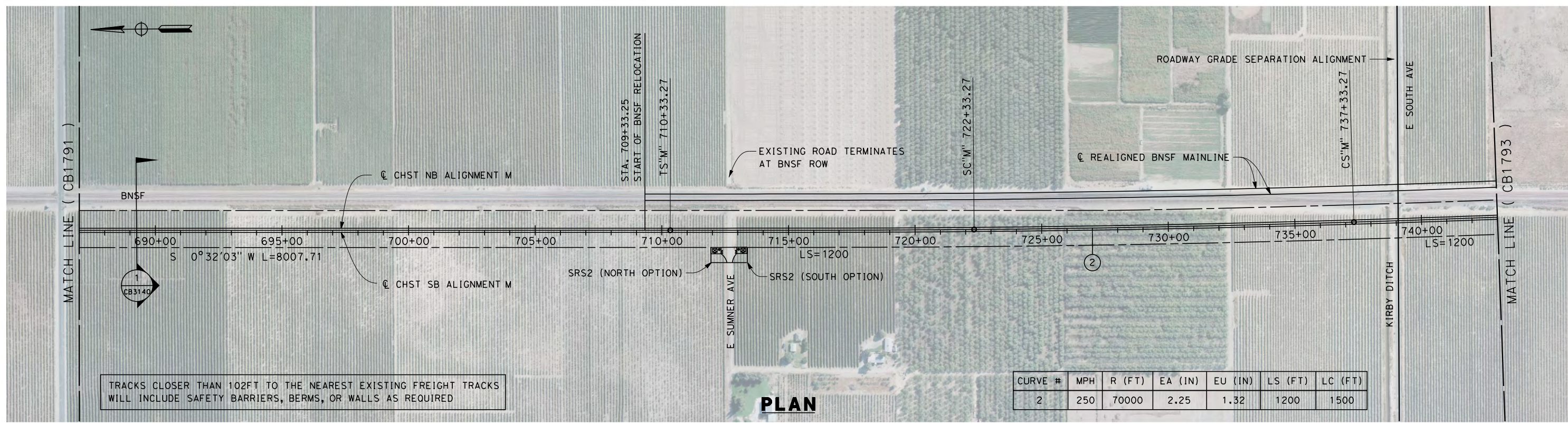
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 630+25 TO 687+00
PLAN AND PROFILE

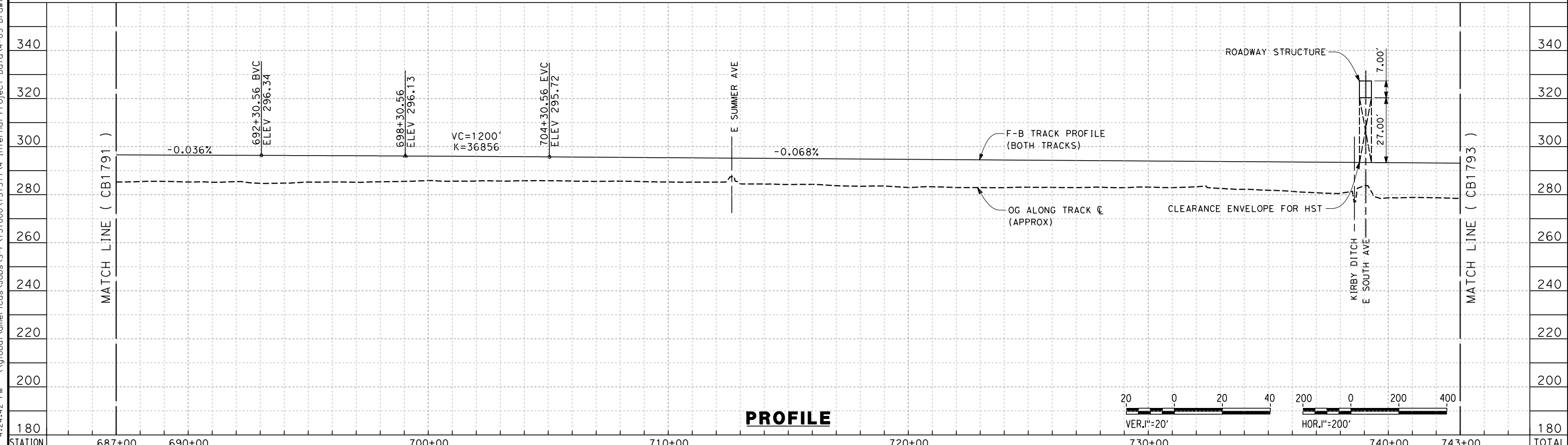
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HSR 06-0003
DRAWING NO.
CB1791
SCALE
AS SHOWN
SHEET NO.
2 OF 10

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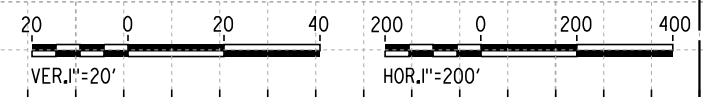


TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

PLAN



PROFILE



STATION	687+00	690+00	700+00	710+00	720+00	730+00	740+00	743+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

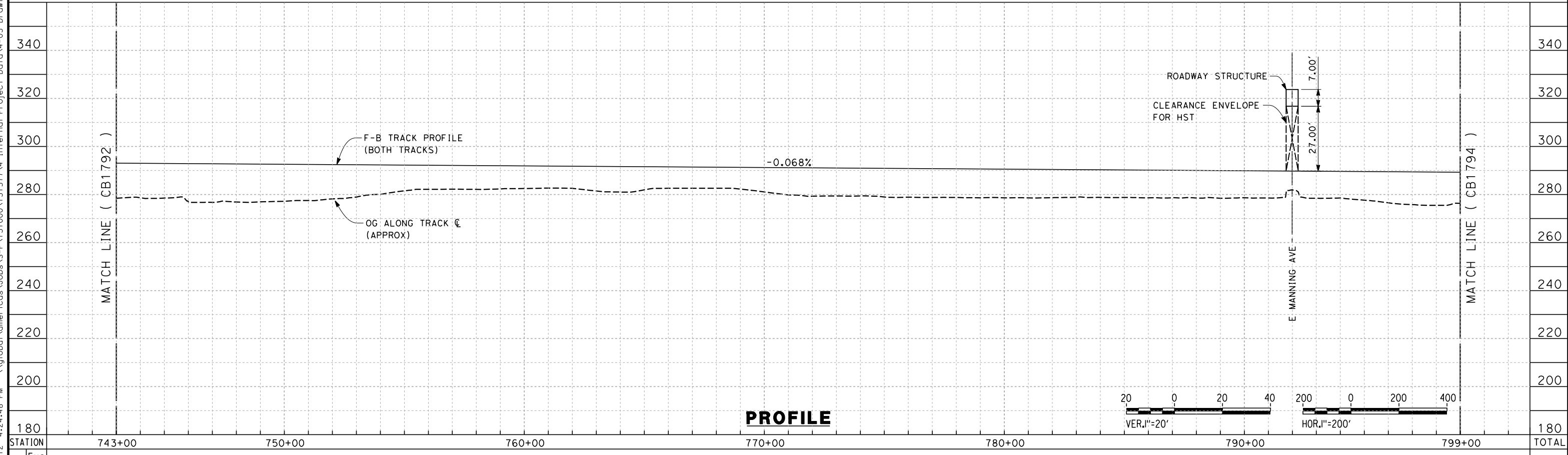
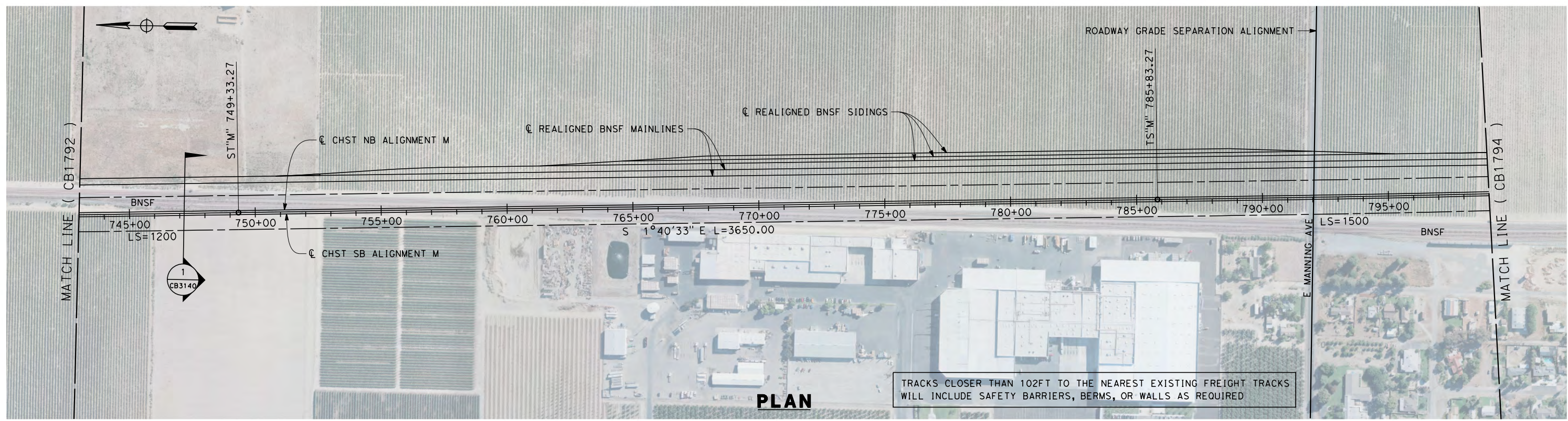
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 687+00 TO 743+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1792
SCALE
AS SHOWN
SHEET NO.
3 OF 10

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

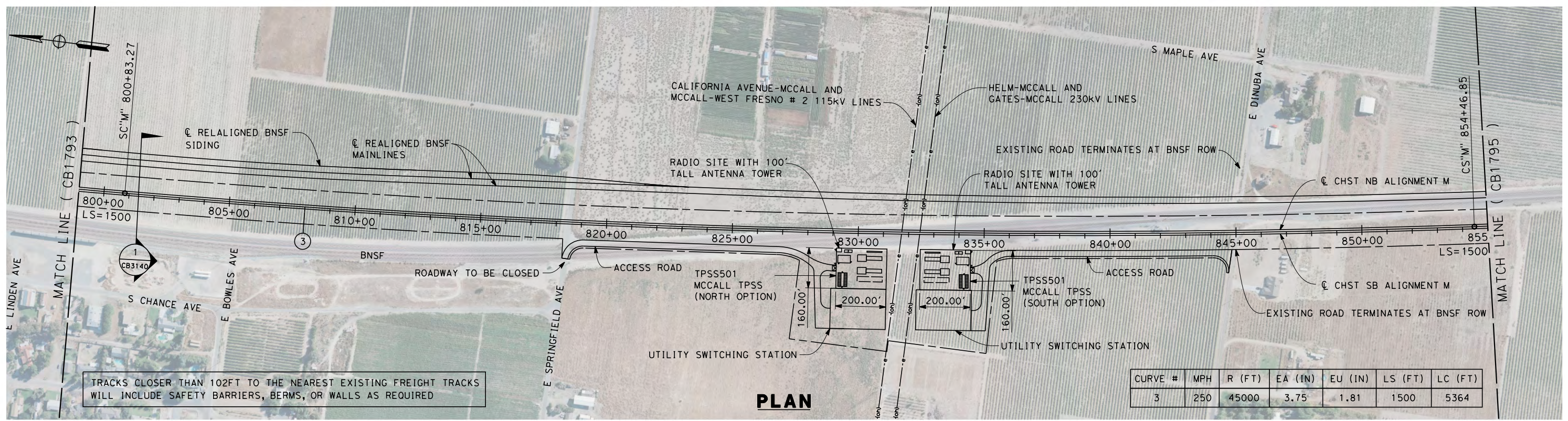


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

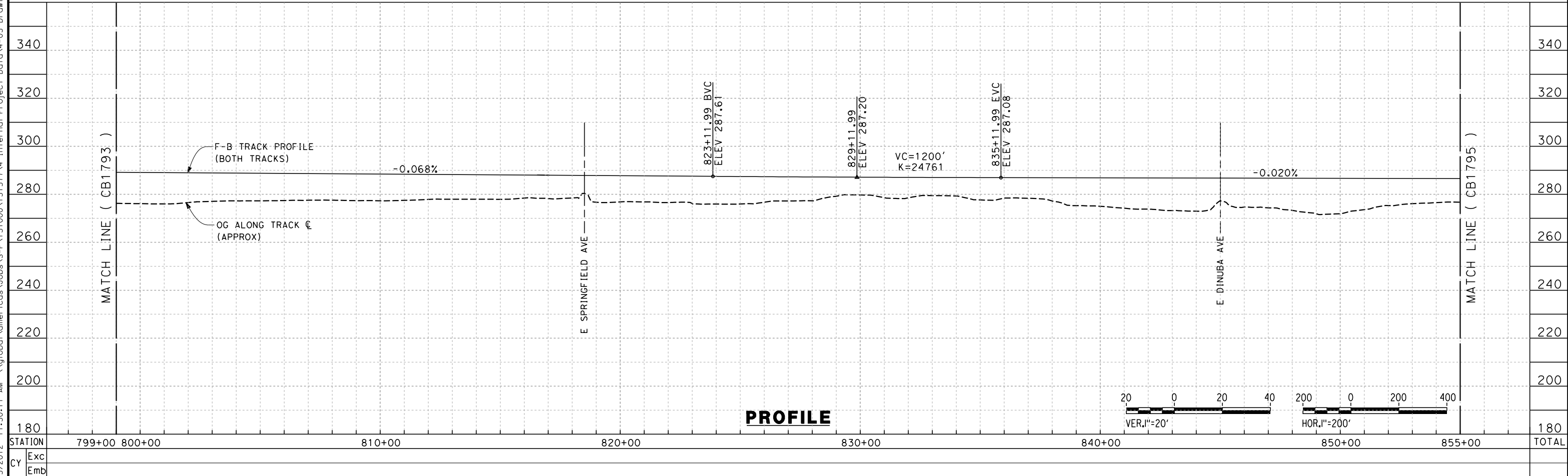
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HSR 06-0003
DRAWING NO.
CB1793
SCALE
AS SHOWN
SHEET NO.
4 OF 10

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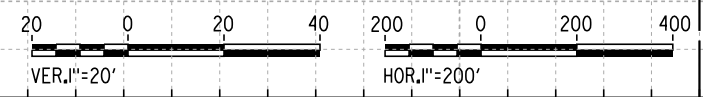


TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

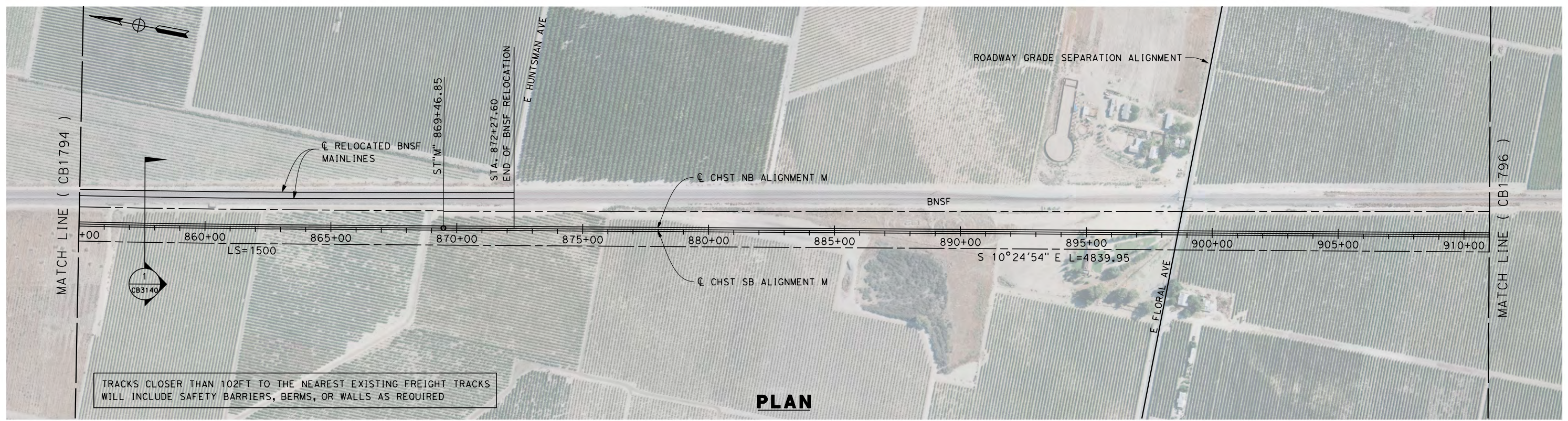
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 799+00 TO 855+00
PLAN AND PROFILE

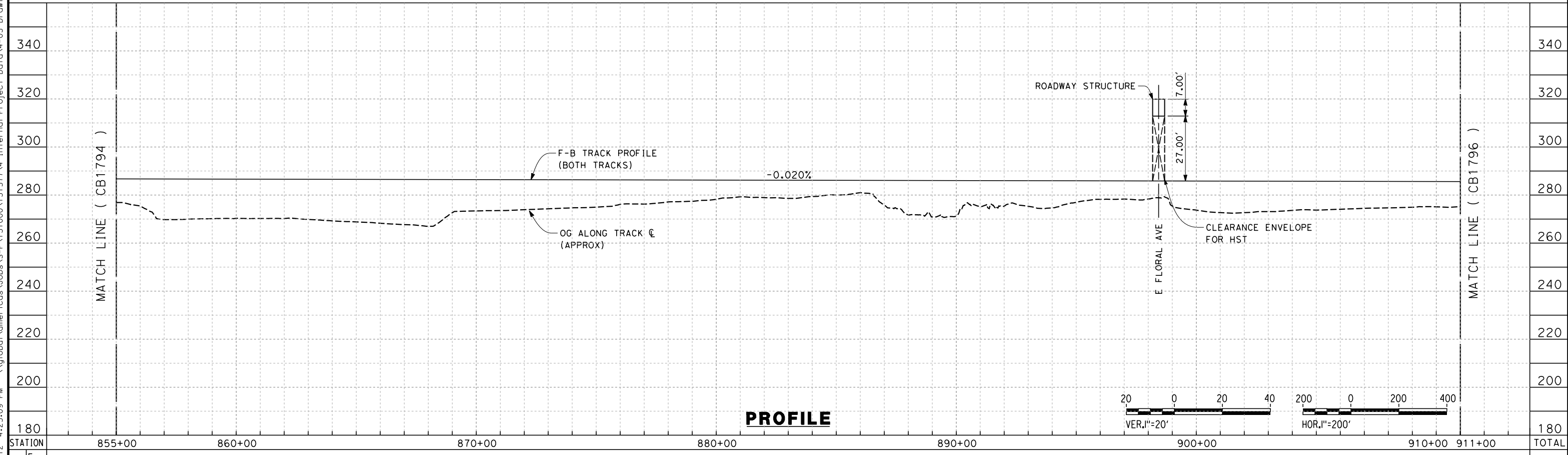
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1794
SCALE
AS SHOWN
SHEET NO.
5 OF 10

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

PLAN



PROFILE

STATION	855+00	860+00	870+00	880+00	890+00	900+00	910+00	911+00	TOTAL
CY	Exc								
	Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
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**

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

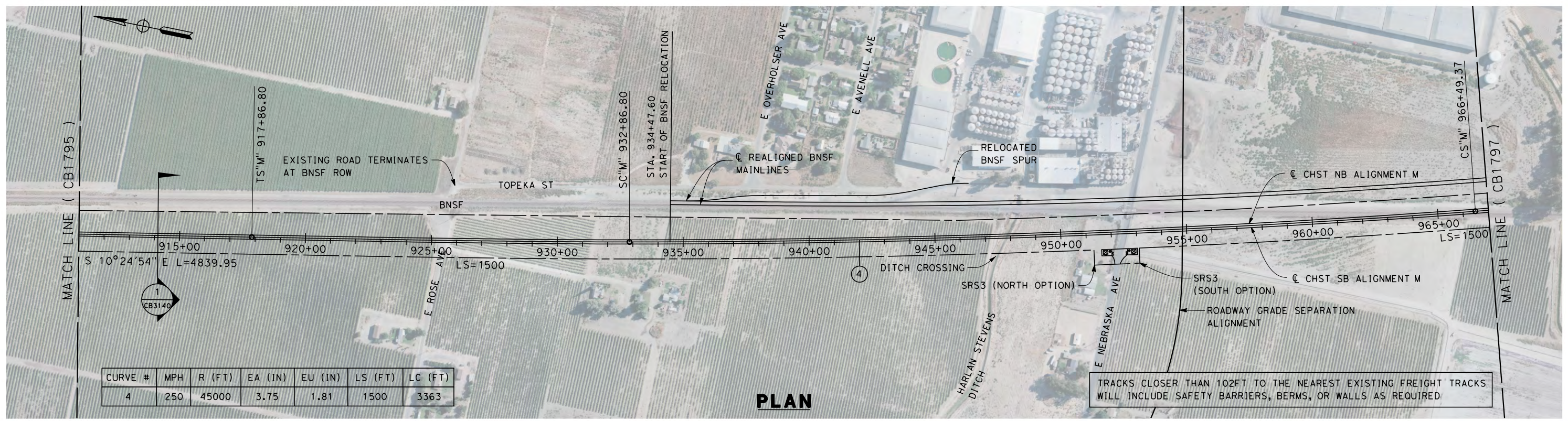
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1795

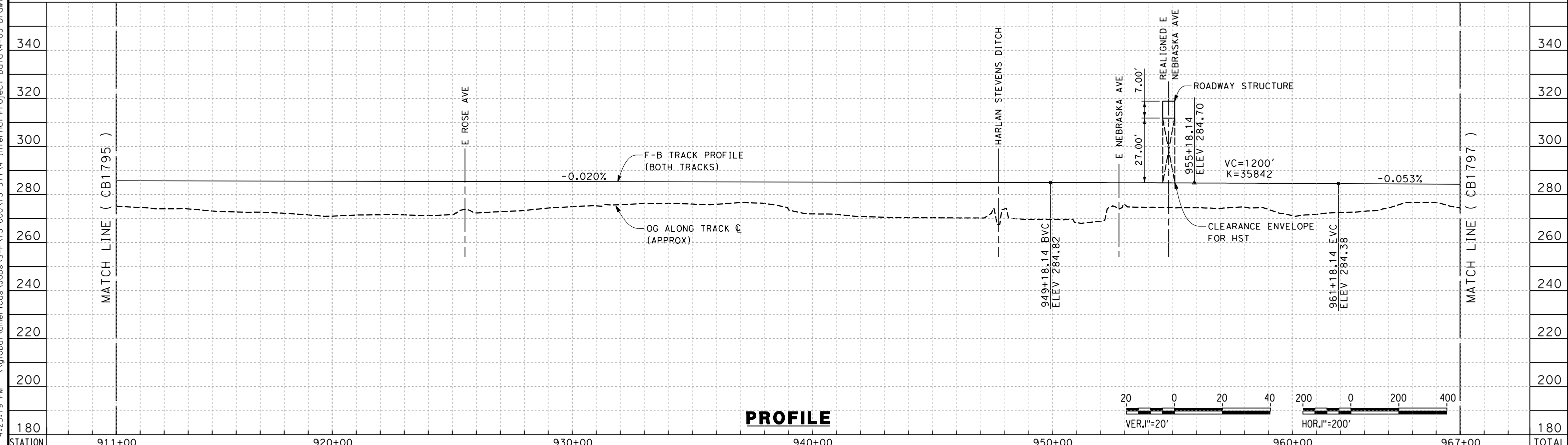
SCALE
AS SHOWN

SHEET NO.
6 OF 10

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PLAN



STATION	911+00	920+00	930+00	940+00	950+00	960+00	967+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

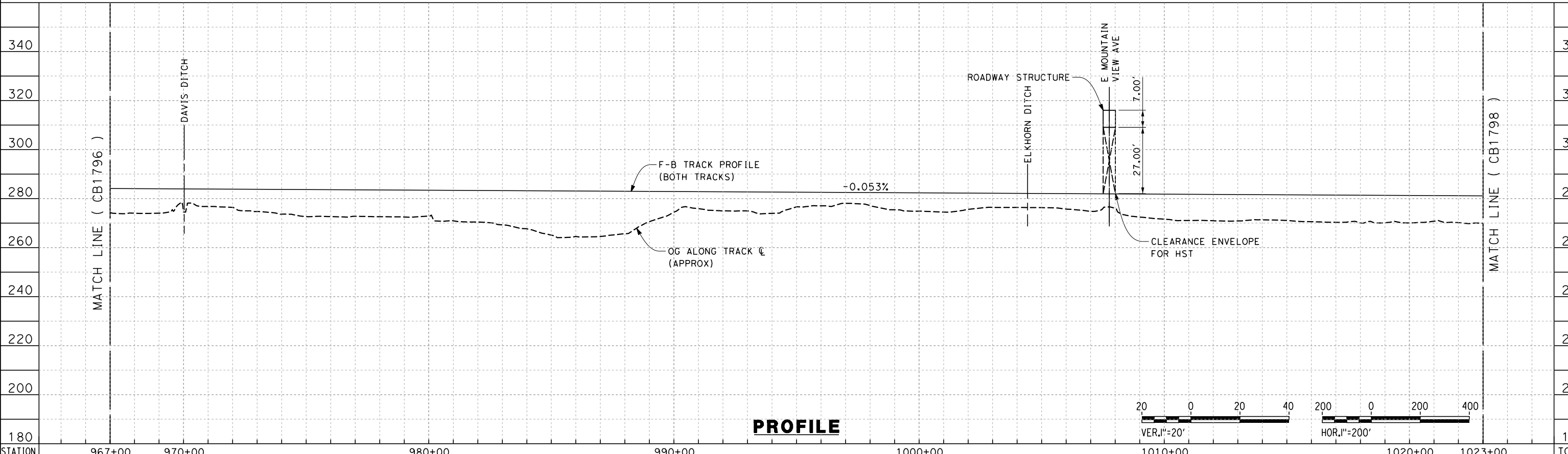
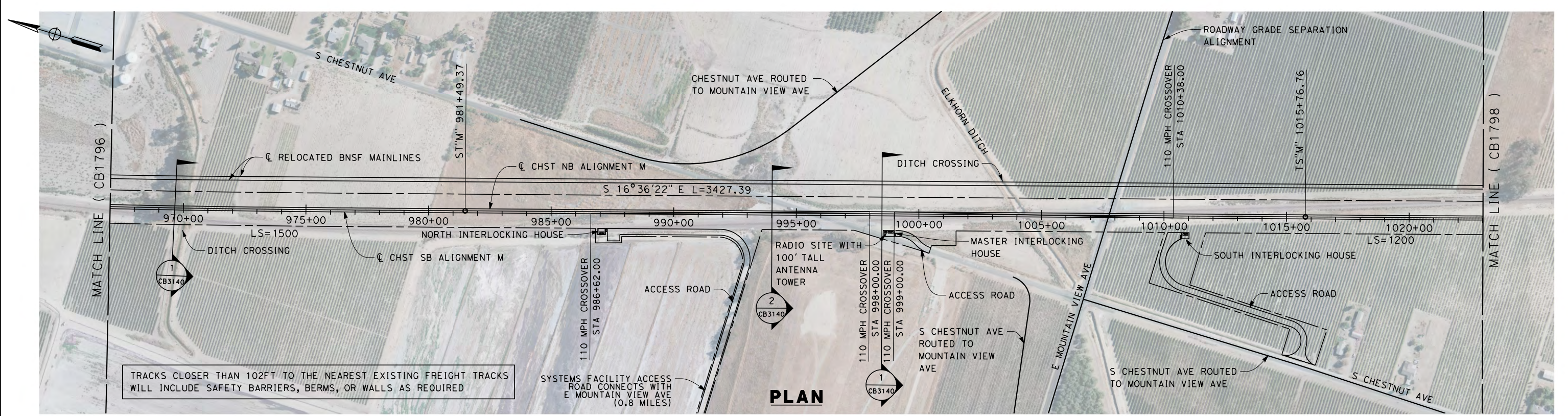
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
STA. 911+00 TO 967+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1796
SCALE
AS SHOWN
SHEET NO.
7 OF 10

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Exc					
Emb					
REV	DATE	BY	CHK	APP	DESCRIPTION

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

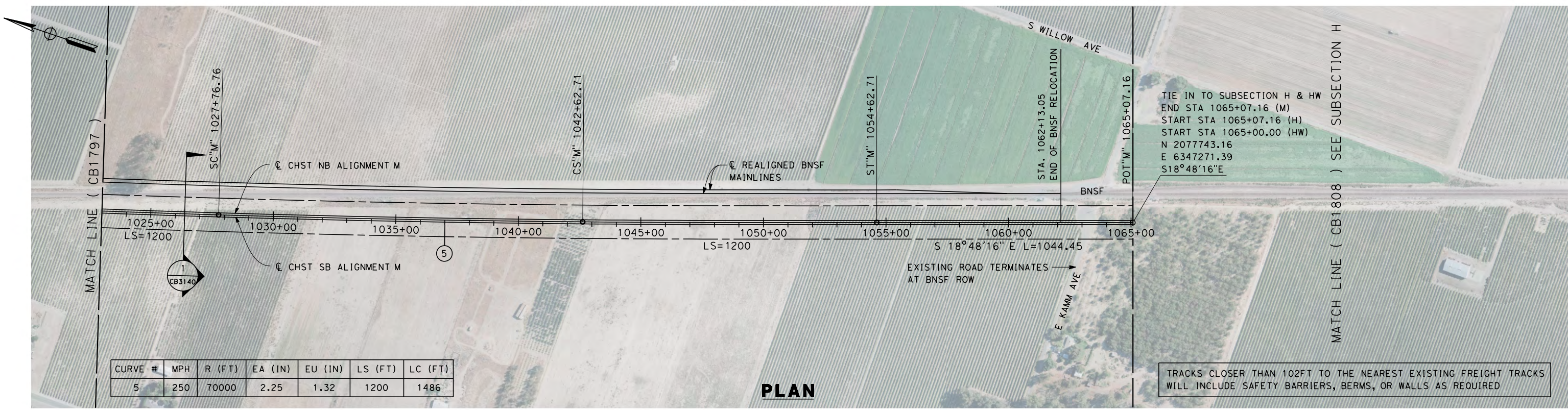
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 MONMOUTH SUBSECTION
 ALIGNMENT M
 STA. 967+00 TO 1023+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1797
 SCALE
AS SHOWN
 SHEET NO.
8 OF 10

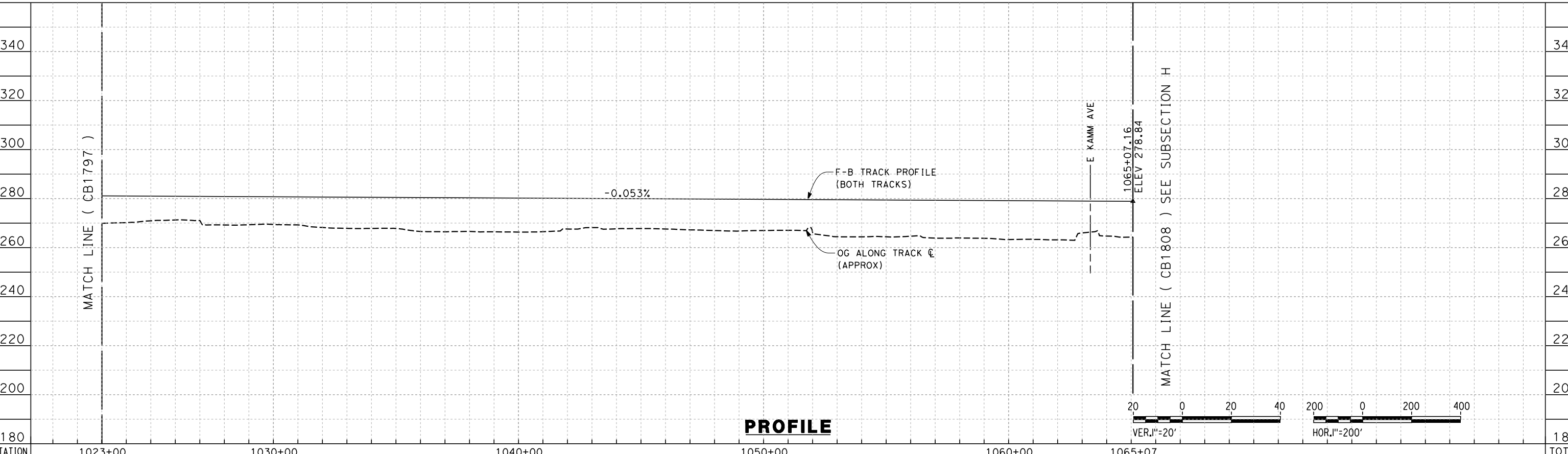
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PLAN

TIE IN TO SUBSECTION H & HW
 END STA 1065+07.16 (M)
 START STA 1065+07.16 (H)
 START STA 1065+00.00 (HW)
 N 2077743.16
 E 6347271.39
 S 18°48'16"E

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



PROFILE

STATION	1023+00	1030+00	1040+00	1050+00	1060+00	1065+07	TOTAL
Exc							
Emb							

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

**RECORD SET 15%
 DESIGN SUBMISSION**

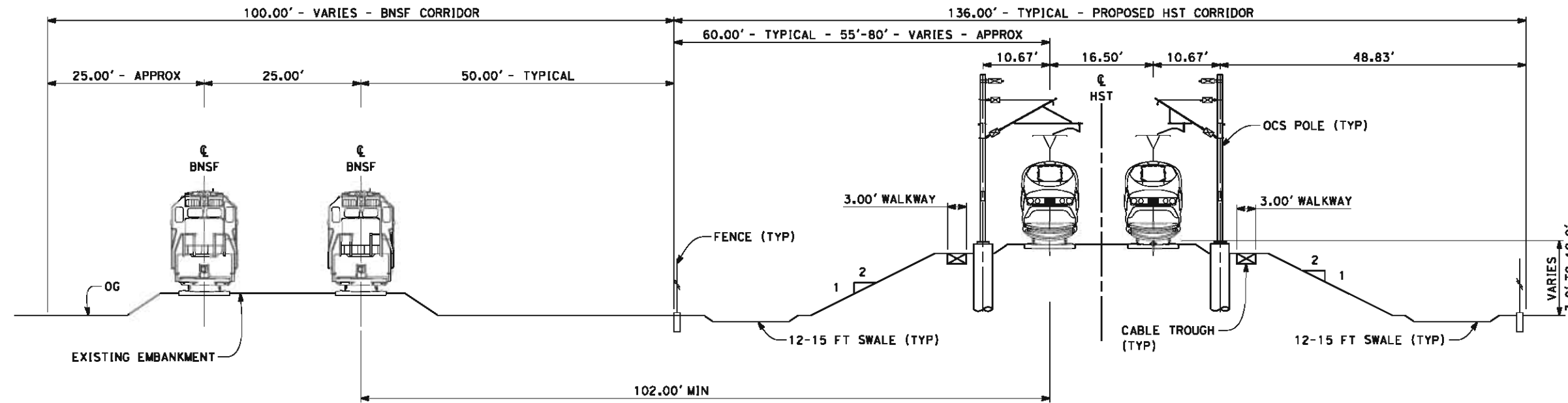
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 MONMOUTH SUBSECTION
 ALIGNMENT M
 STA. 1023+00 TO 1065+07
 PLAN AND PROFILE

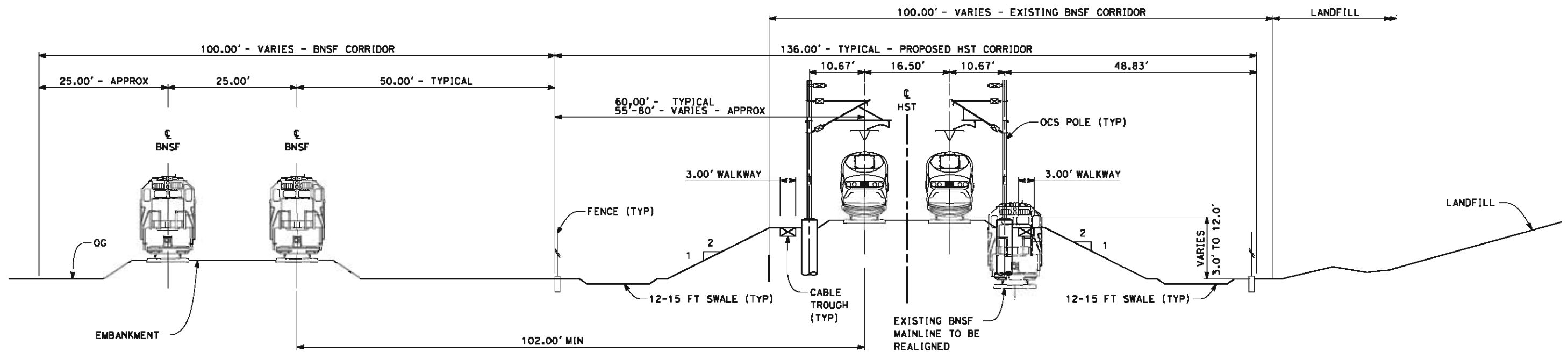
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1798
 SCALE
AS SHOWN
 SHEET NO.
9 OF 10

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SECTION 1

TWIN TRACK ADJACENT TO BNSF - EMBANKMENT WITH OPEN DRAINAGE
 STA 630+26 THROUGH STA 993+00
 STA 998+00 THROUGH STA 1065+07



SECTION 2

TWIN TRACKS ADJACENT TO BNSF AND LANDFILL - EMBANKMENT WITH OPEN DRAINAGE
 STA 993+00 THROUGH STA 998+40

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

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**

MONMOUTH SUBSECTION
 ALIGNMENT M
 CROSS SECTIONS

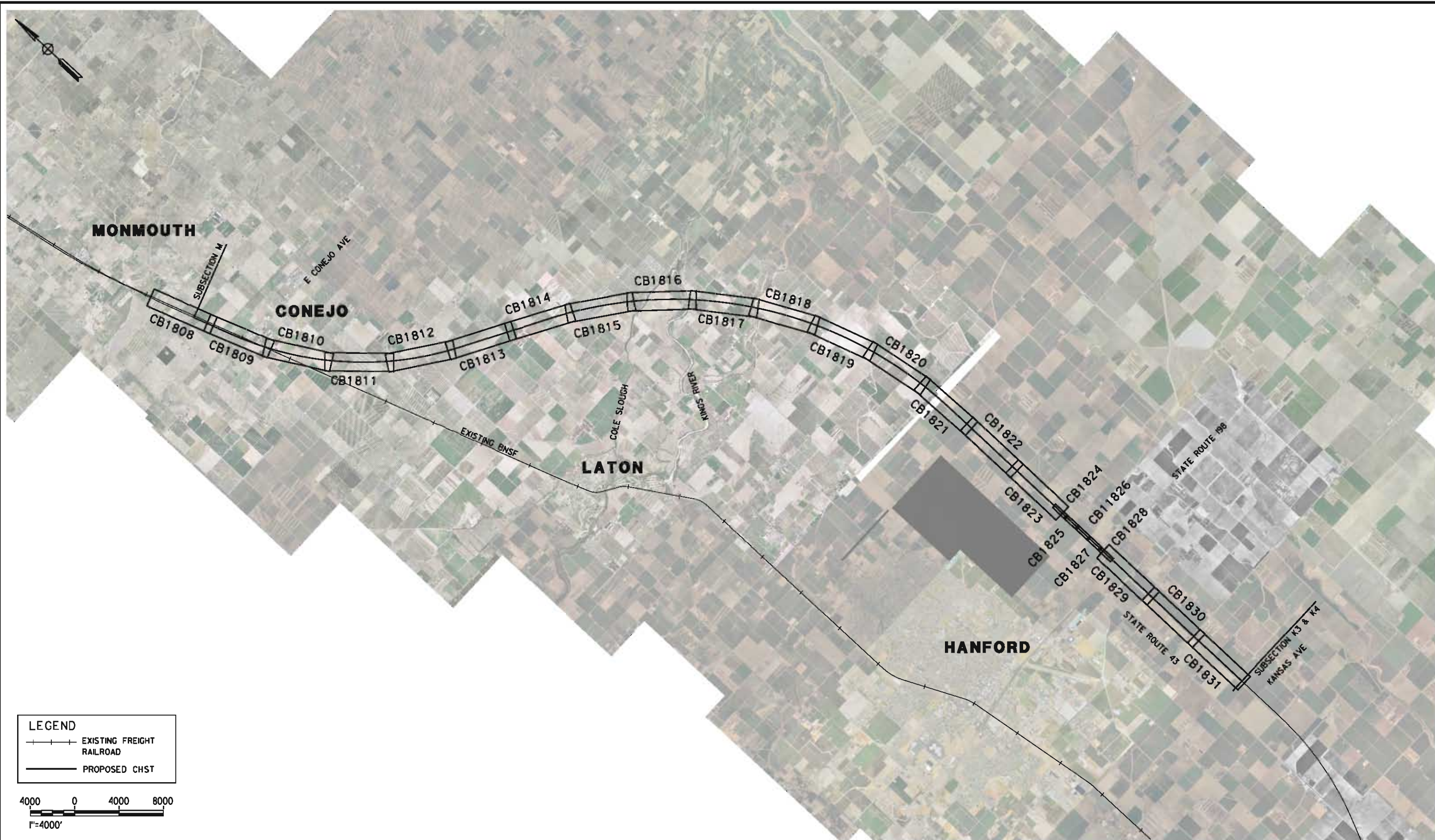
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3140

SCALE
AS SHOWN

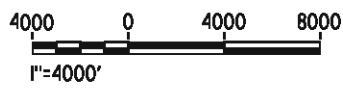
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LEGEND

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



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**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1065+07 TO 2144+63
KEY MAP

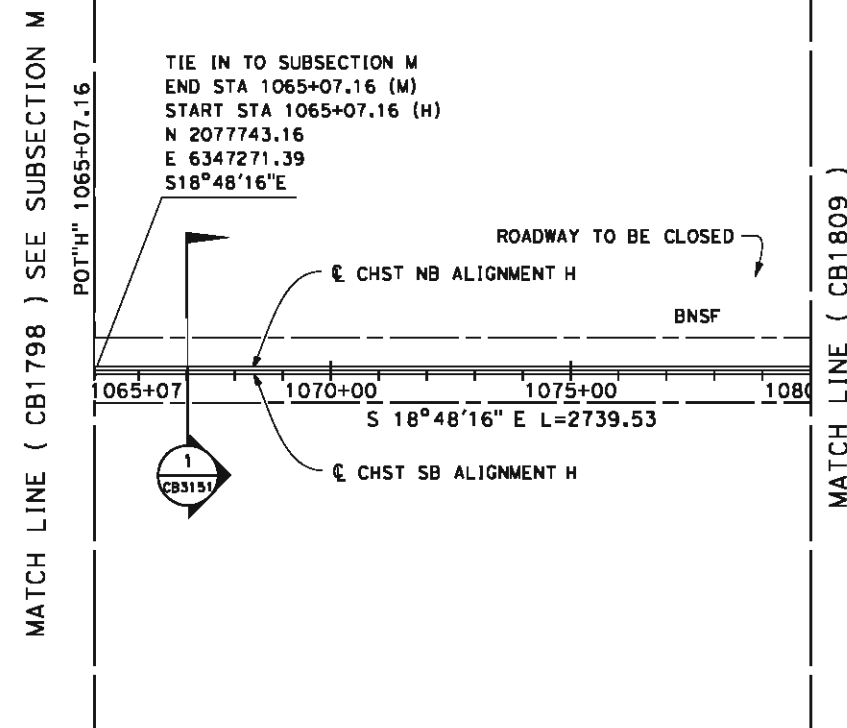
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1800

SCALE
AS SHOWN

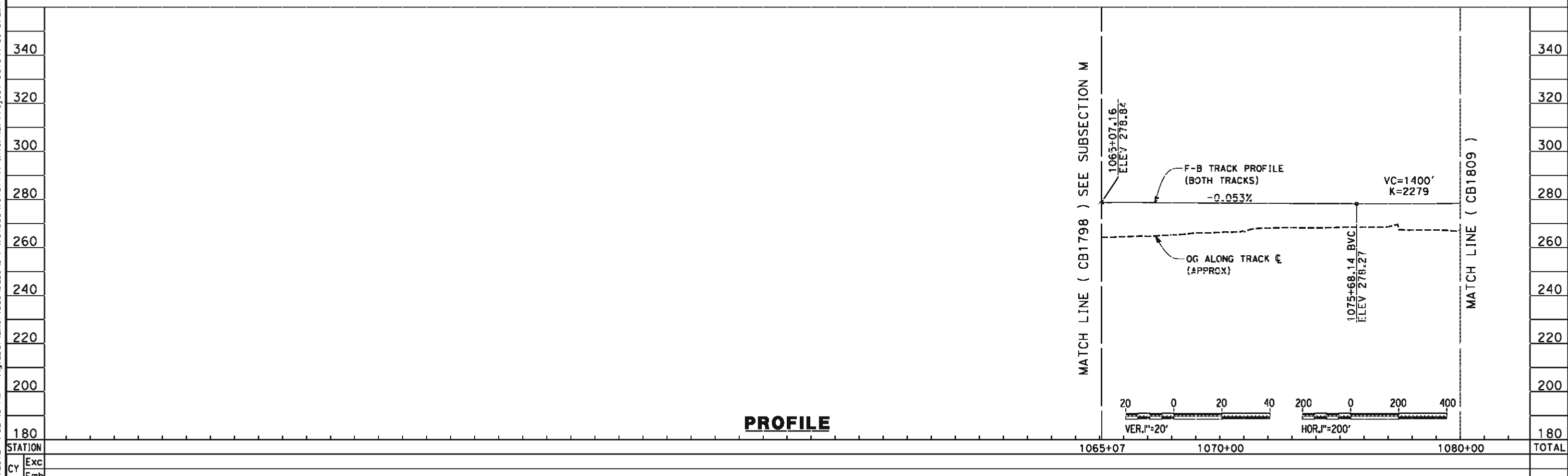
SHEET NO.
1 OF 31

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

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR

DRAWN BY
P. TONKIN

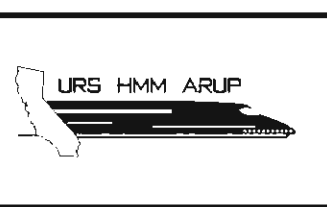
CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

HANFORD SUBSECTION
ALIGNMENT H
STA. 1065+07 TO 1080+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

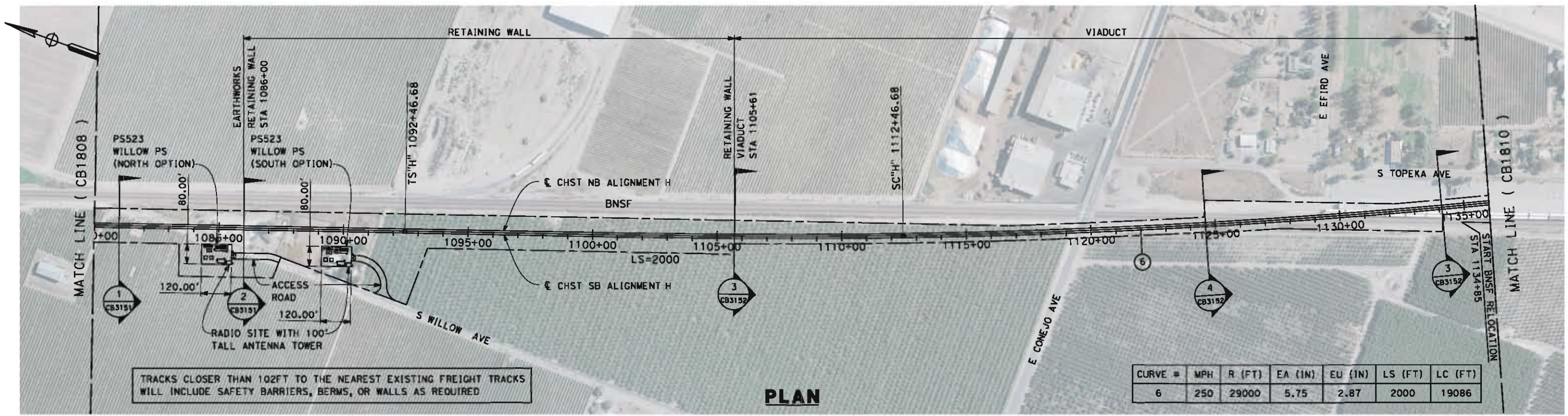
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CB1808

SCALE
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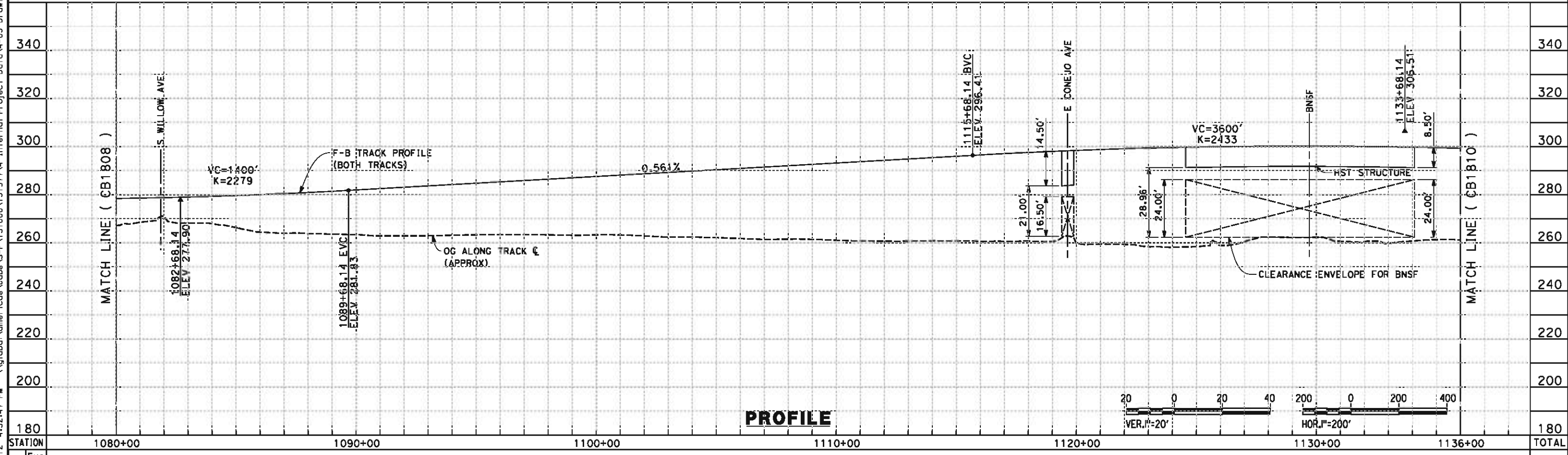
SHEET NO.
2 OF 31

paul.tonkin

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PLAN



PROFILE

STATION	1080+00	1090+00	1100+00	1110+00	1120+00	1130+00	1136+00	TOTAL
CY Exc								
CY 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**

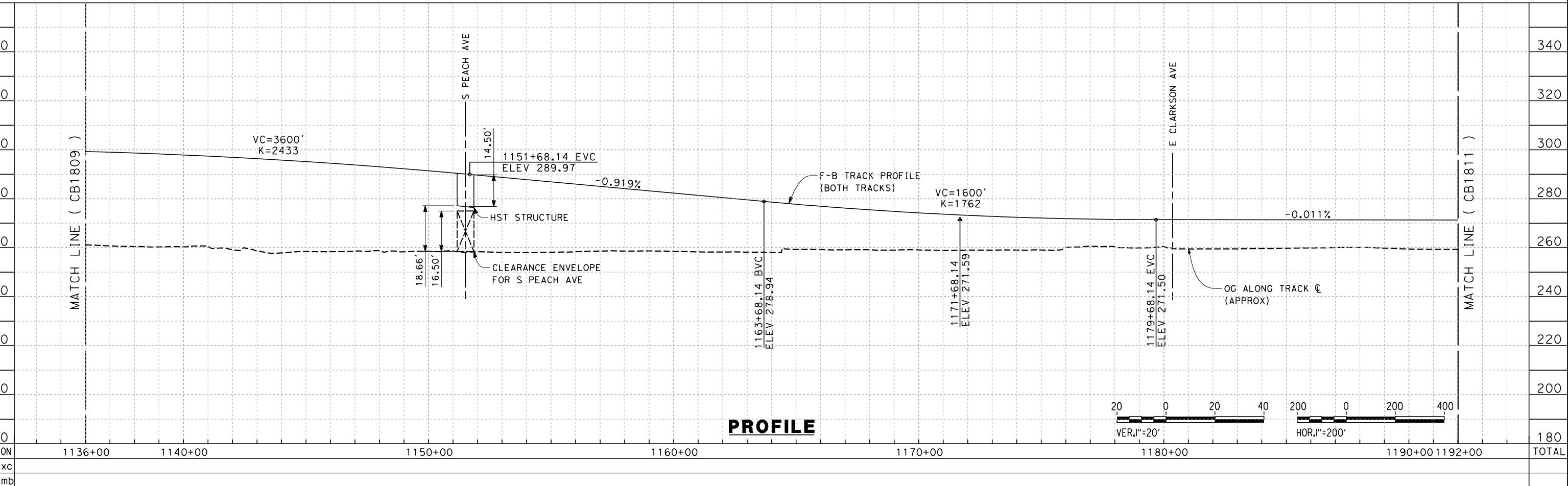
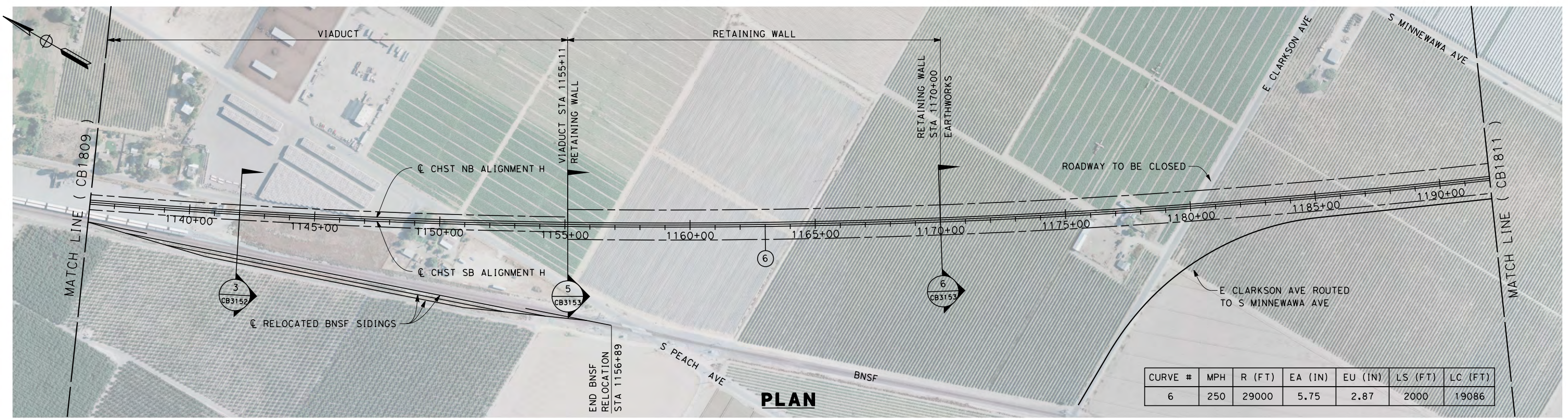
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1080+00 TO 1136+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1809
SCALE
AS SHOWN
SHEET NO.
3 OF 31

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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**

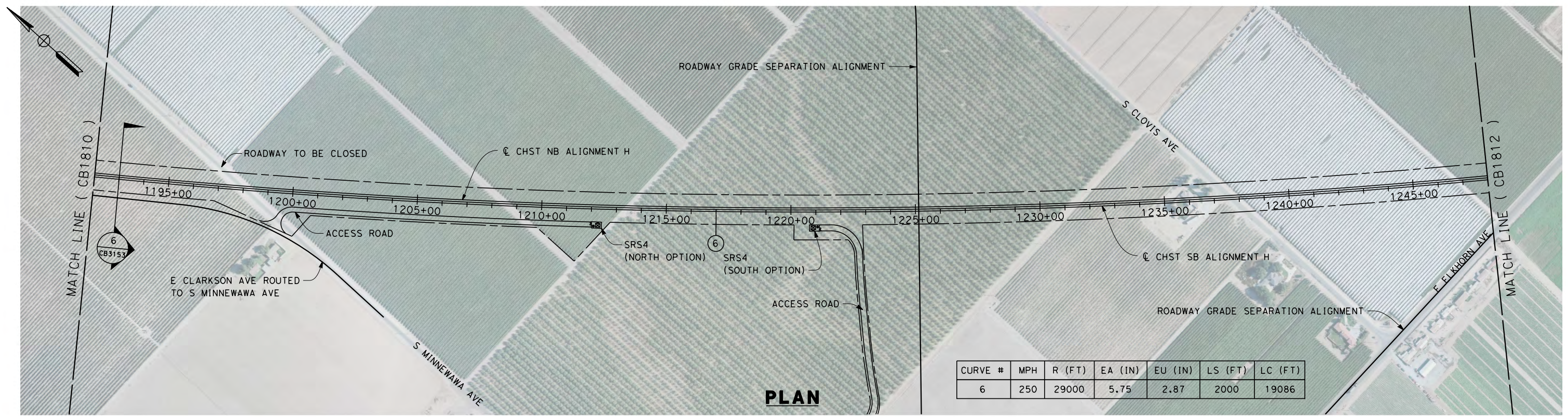
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1136+00 TO 1192+00
PLAN AND PROFILE

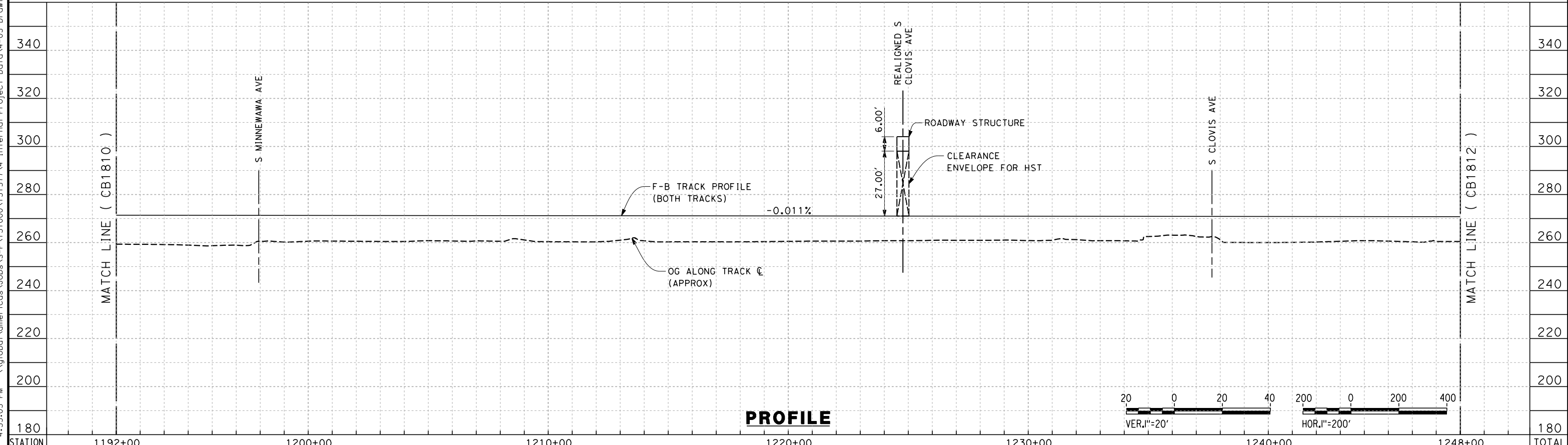
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HSR 06-0003
DRAWING NO.
CB1810
SCALE
AS SHOWN
SHEET NO.
4 OF 31

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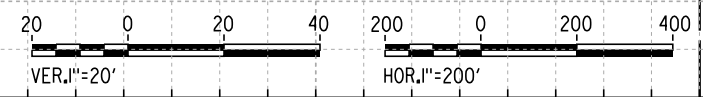


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
6	250	29000	5.75	2.87	2000	19086

PLAN



PROFILE



STATION	1192+00	1200+00	1210+00	1220+00	1230+00	1240+00	1248+00	TOTAL
CY								
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**

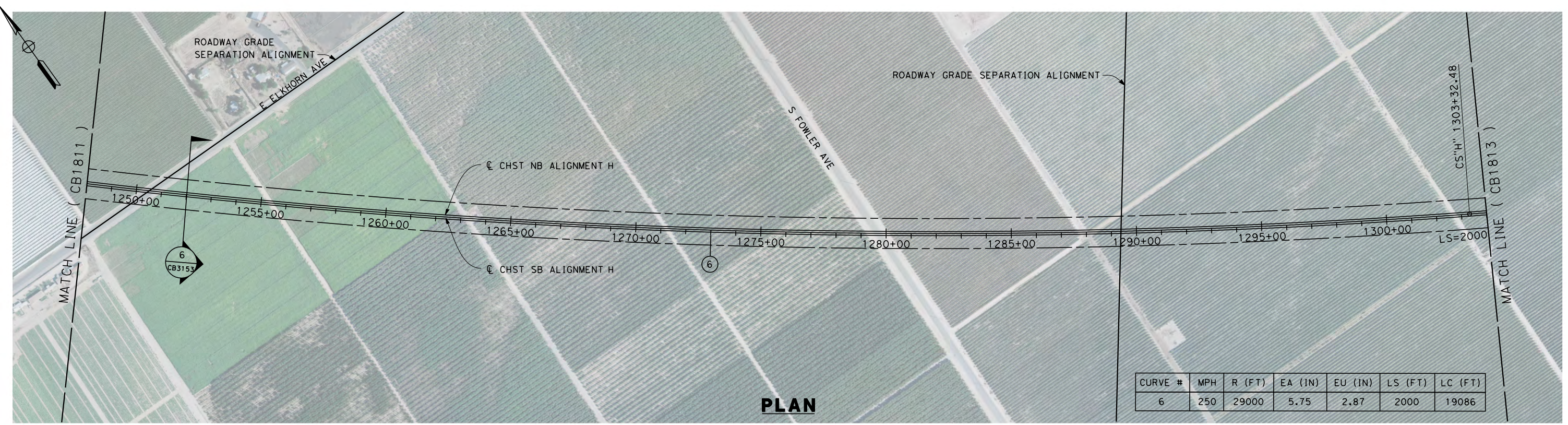
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CONSTRUCTION**



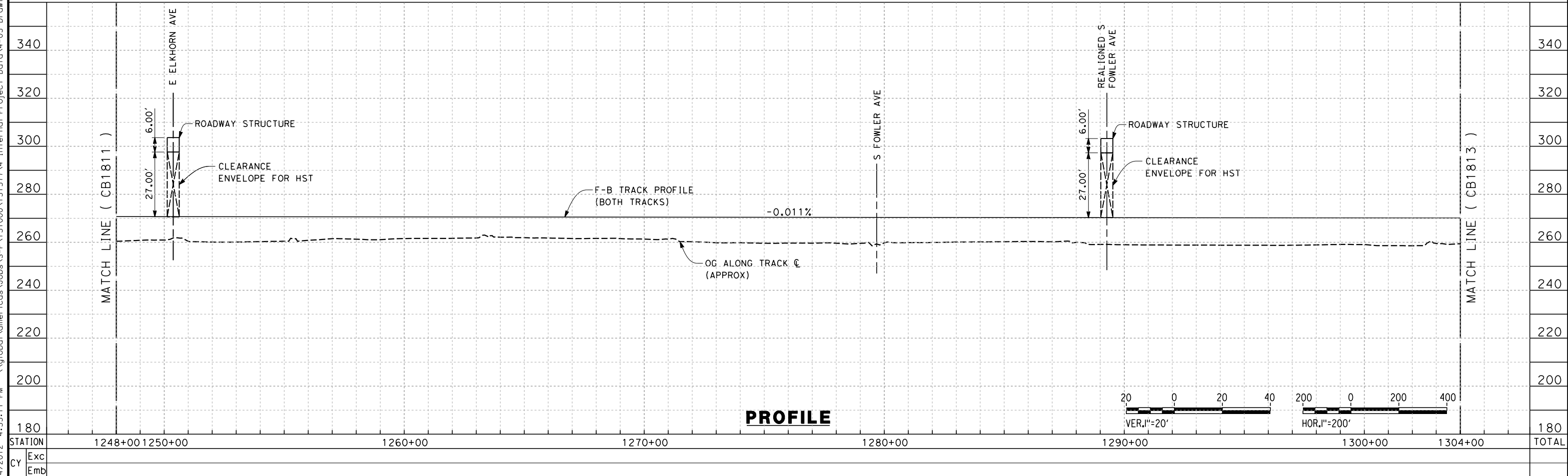
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1192+00 TO 1248+00
PLAN AND PROFILE

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

5/14/2012 4:33:11 PM \\global\americas\Jobs\5-F\31000\31577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\HVF\CB-1812-H.dgn



PLAN



PROFILE

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**

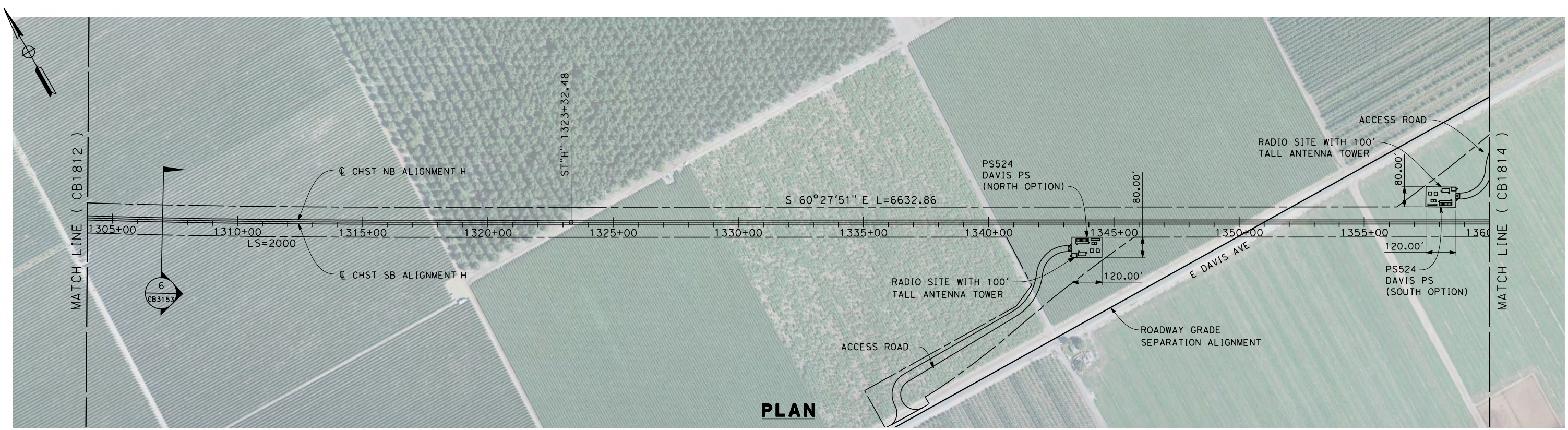
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CONSTRUCTION**



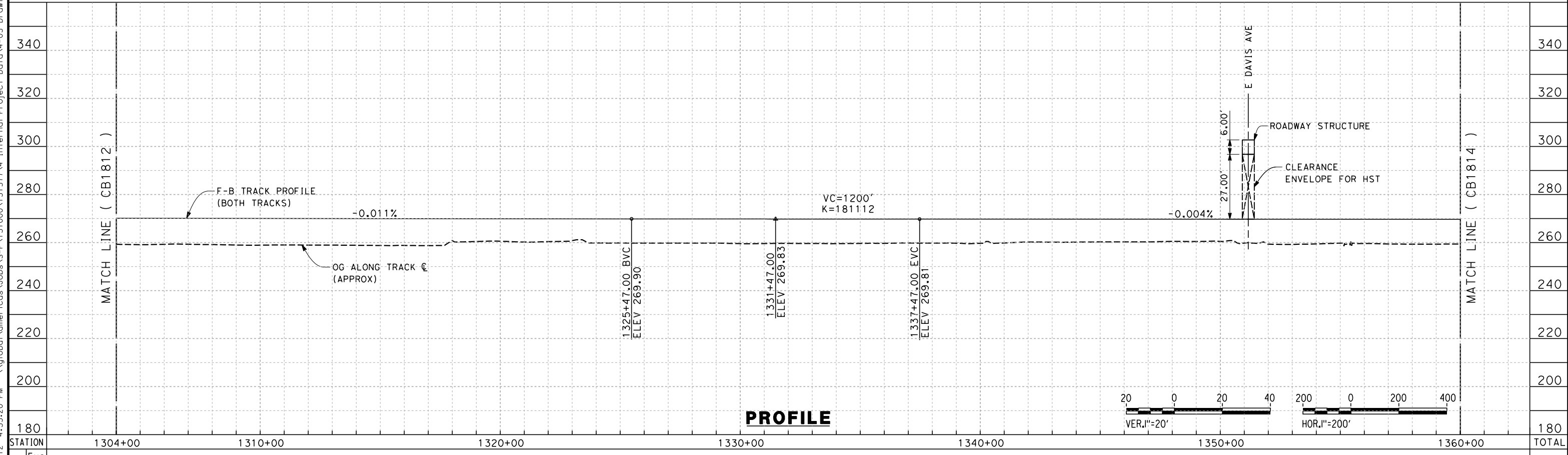
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA 1248+00 TO 1304+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1812
SCALE
AS SHOWN
SHEET NO.
6 OF 31

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PLAN



PROFILE

STATION	1304+00	1310+00	1320+00	1330+00	1340+00	1350+00	1360+00	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**

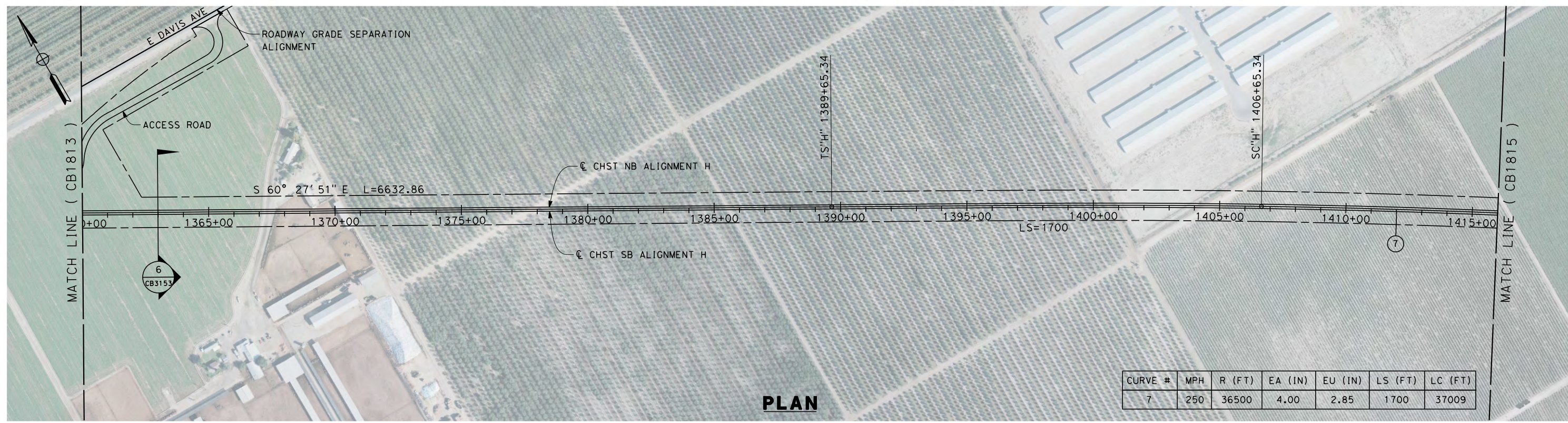


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

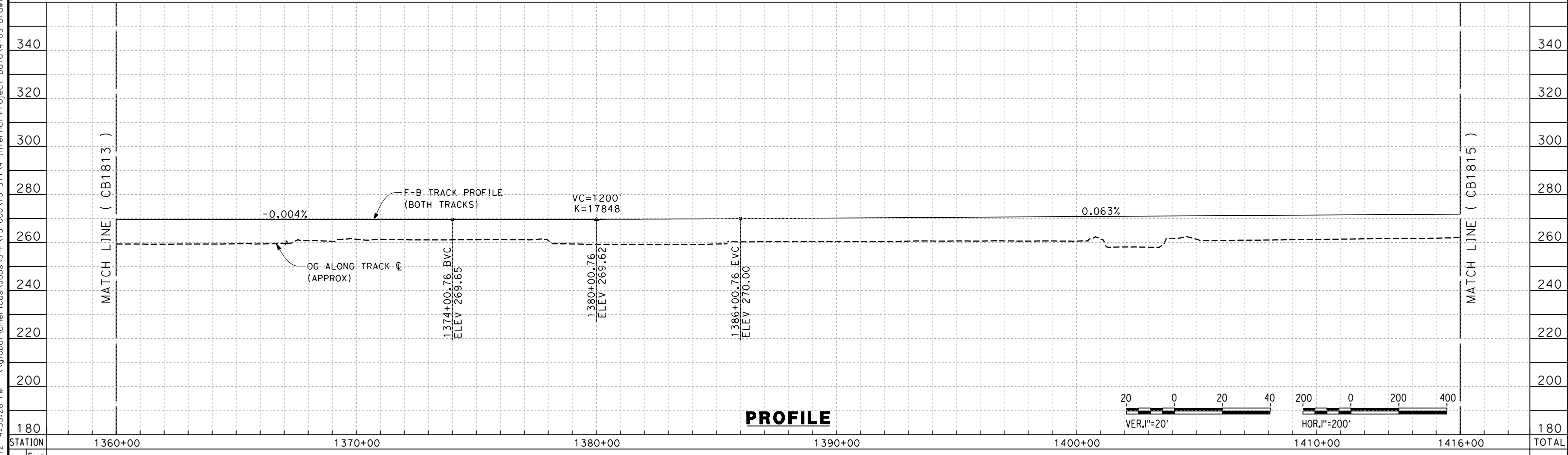
HANFORD SUBSECTION
ALIGNMENT H
STA. 1304+00 TO 1360+00
PLAN AND PROFILE

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

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PLAN



PROFILE

STATION	1360+00	1370+00	1380+00	1390+00	1400+00	1410+00	1416+00	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**

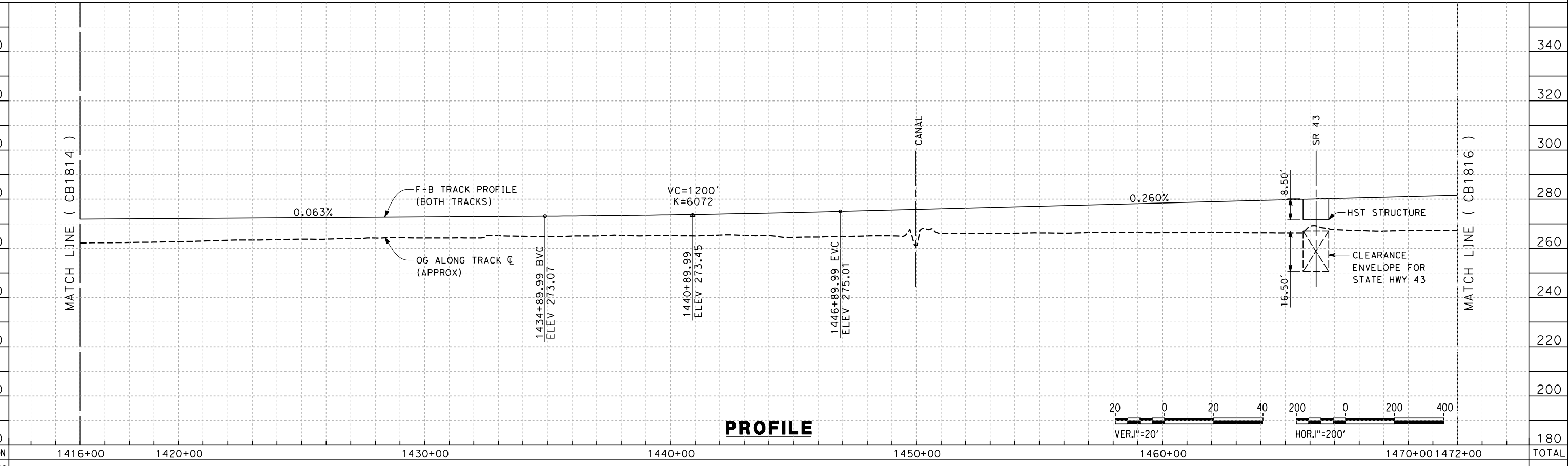
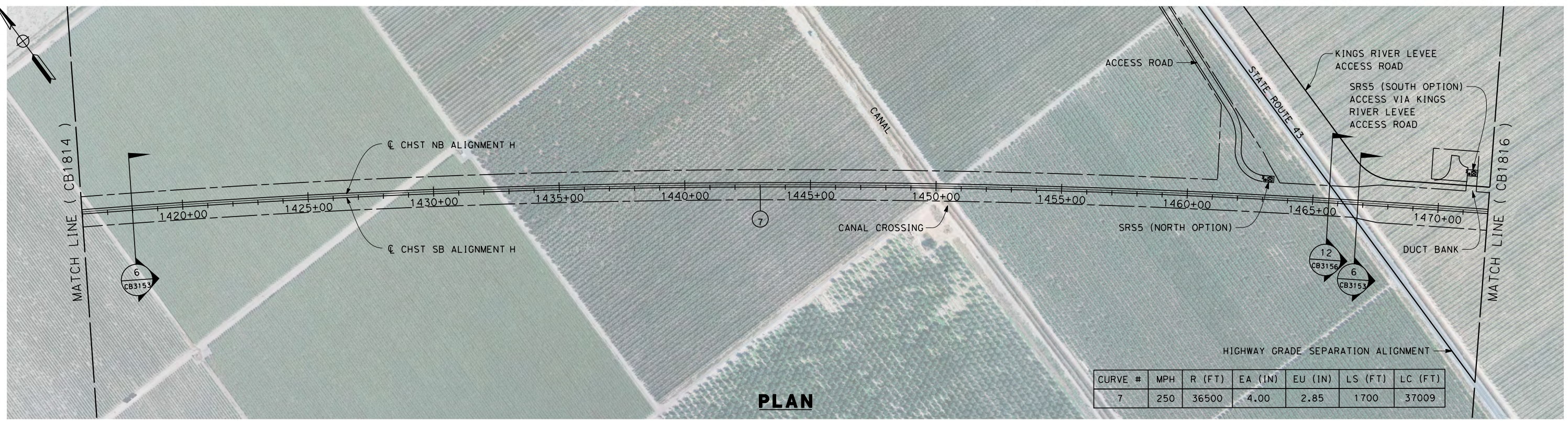
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1360+00 TO 1416+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1814
SCALE
AS SHOWN
SHEET NO.
8 OF 31

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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**

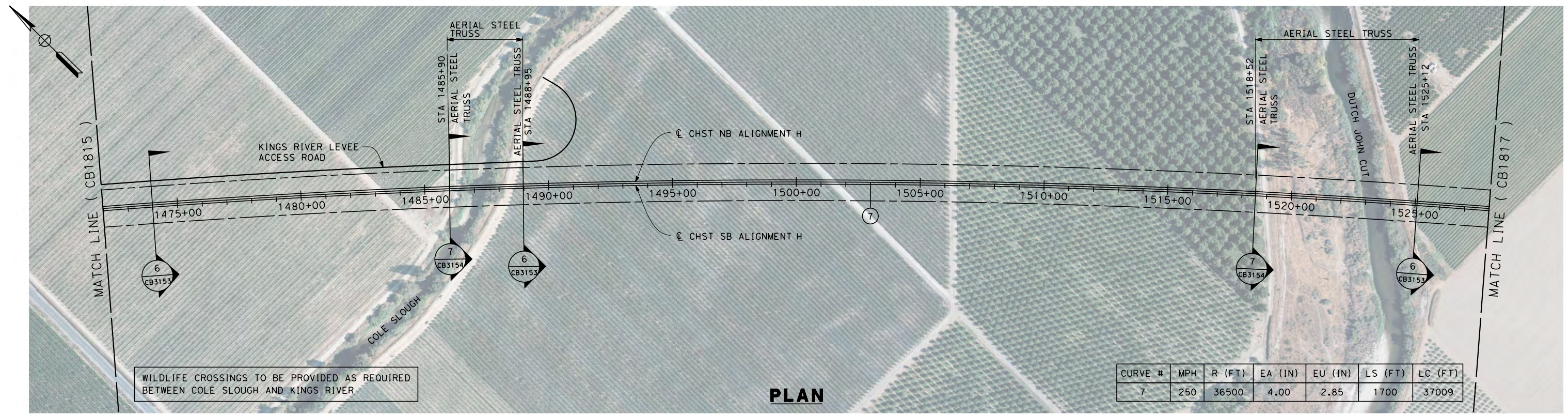
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1416+00 TO 1472+00
PLAN AND PROFILE

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

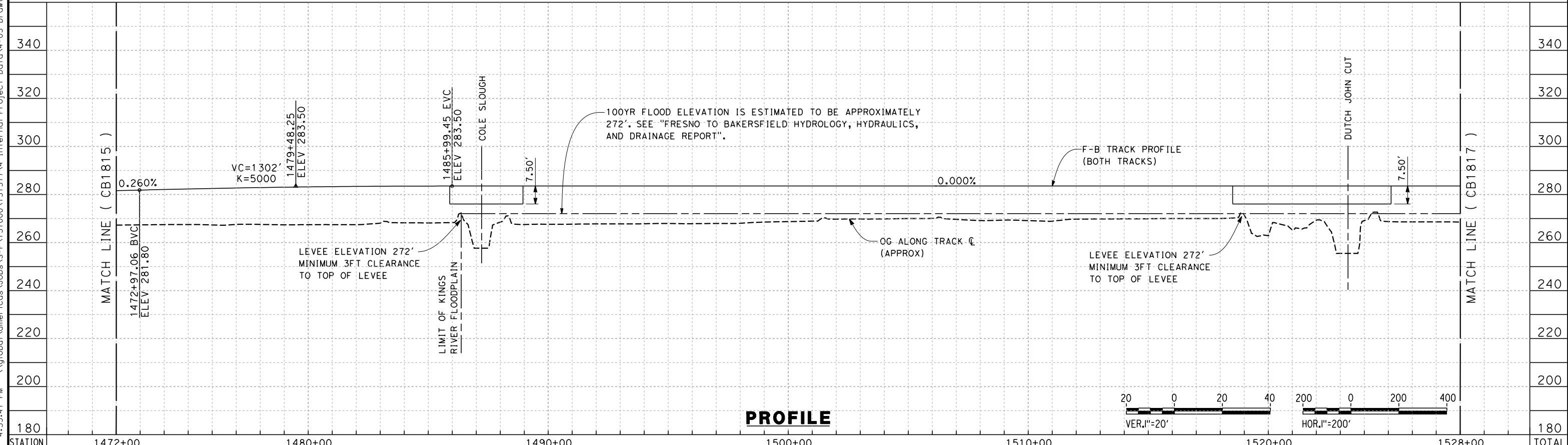
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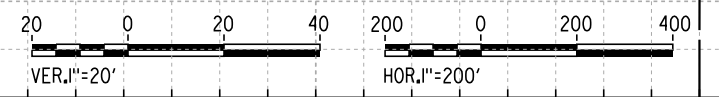
WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN COLE SLOUGH AND KINGS RIVER

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
7	250	36500	4.00	2.85	1700	37009

PLAN



PROFILE



STATION	1472+00	1480+00	1490+00	1500+00	1510+00	1520+00	1528+00	TOTAL
CY								
	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**

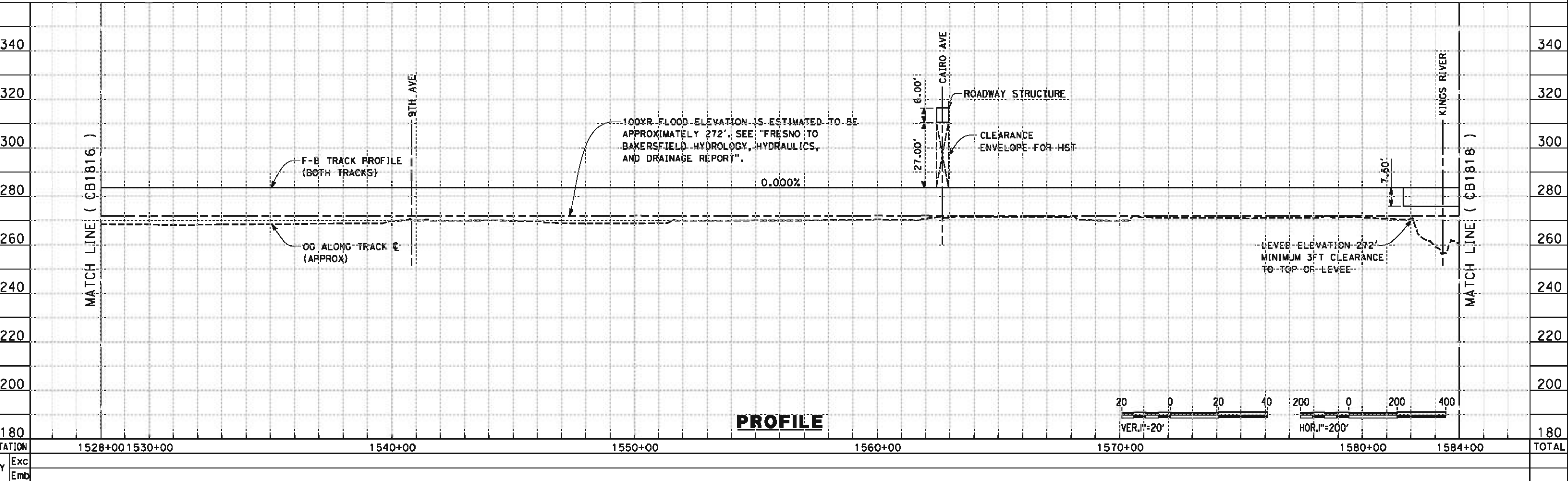
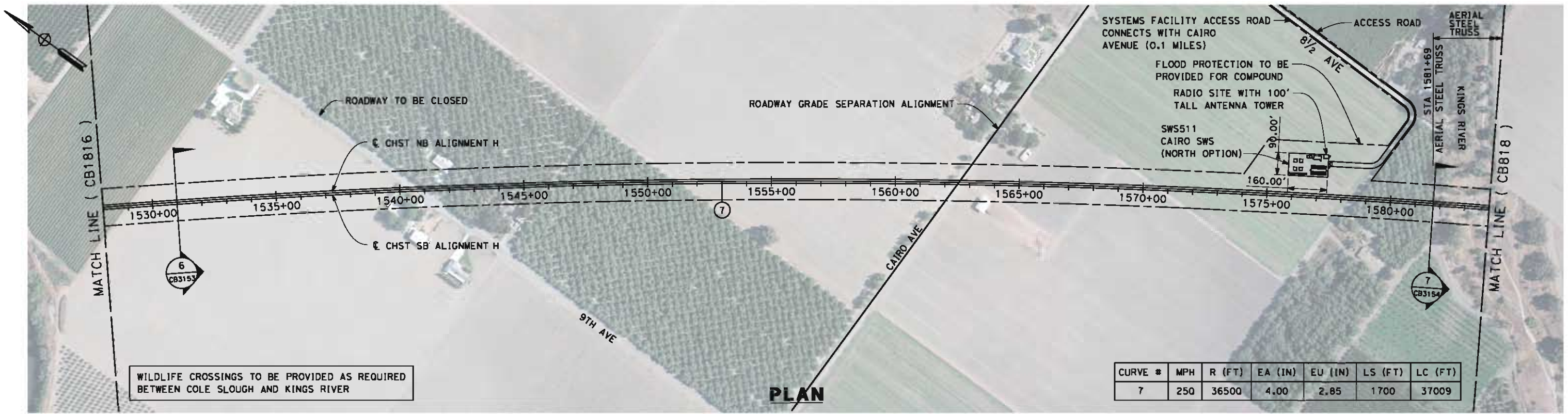
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
STA. 1472+00 TO 1528+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1816
SCALE
AS SHOWN
SHEET NO.
10 OF 31

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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**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1528+00 TO 1584+00
PLAN AND PROFILE

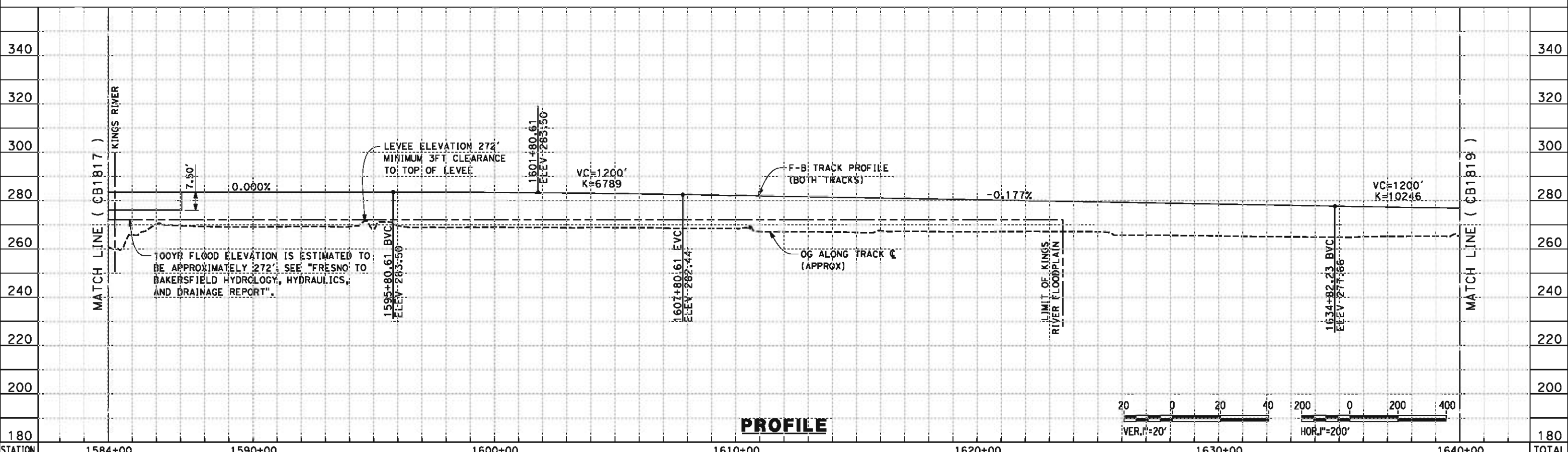
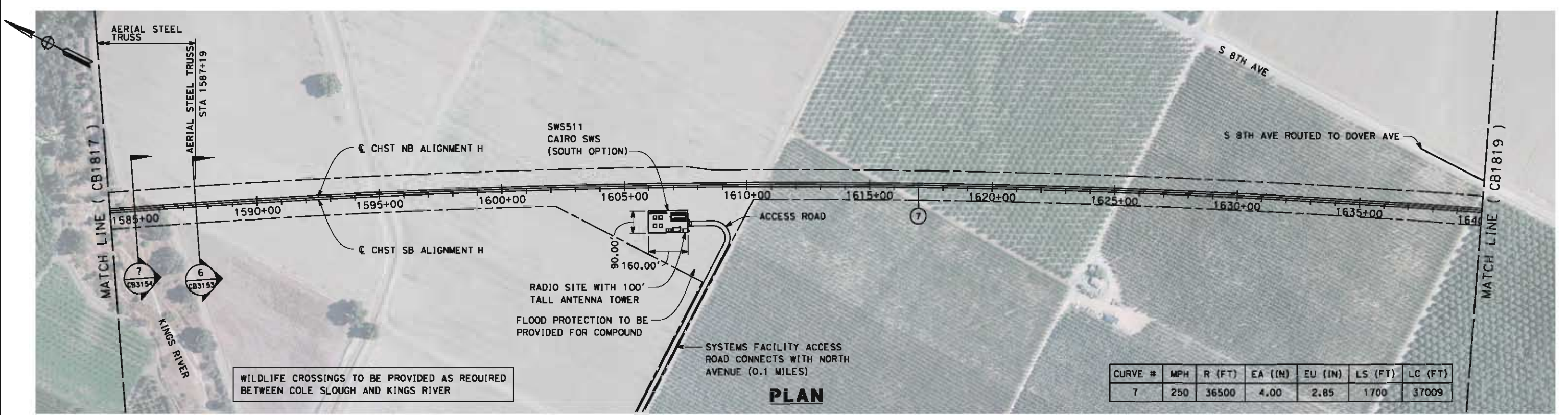
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1817

SCALE
AS SHOWN

SHEET NO.
11 OF 31

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STATION	1584+00	1590+00	1600+00	1610+00	1620+00	1630+00	1640+00	TOTAL
CY	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**

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

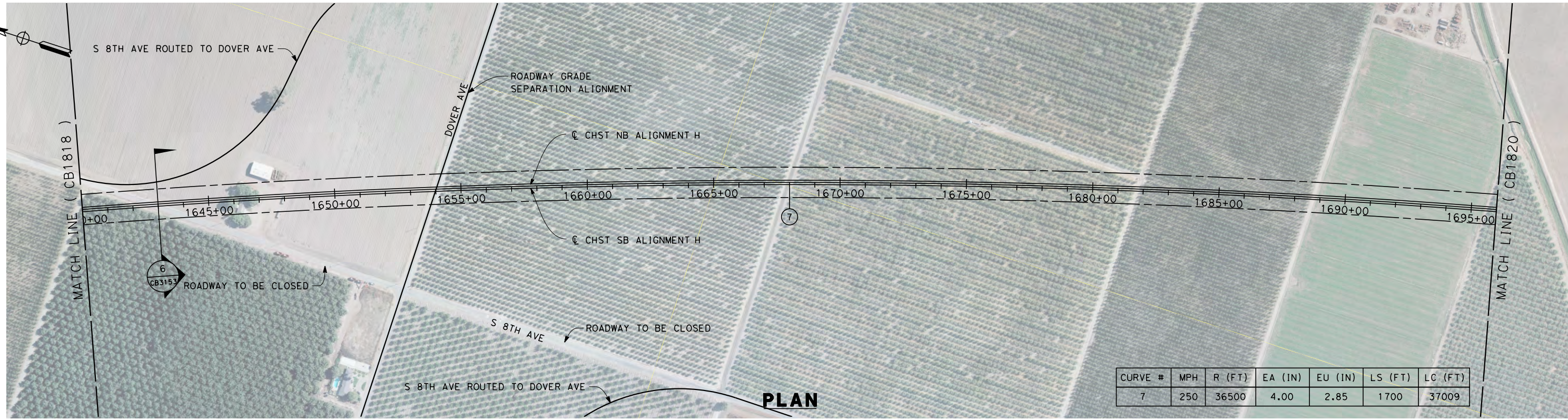
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HSR 06-0003

DRAWING NO.
CB1818

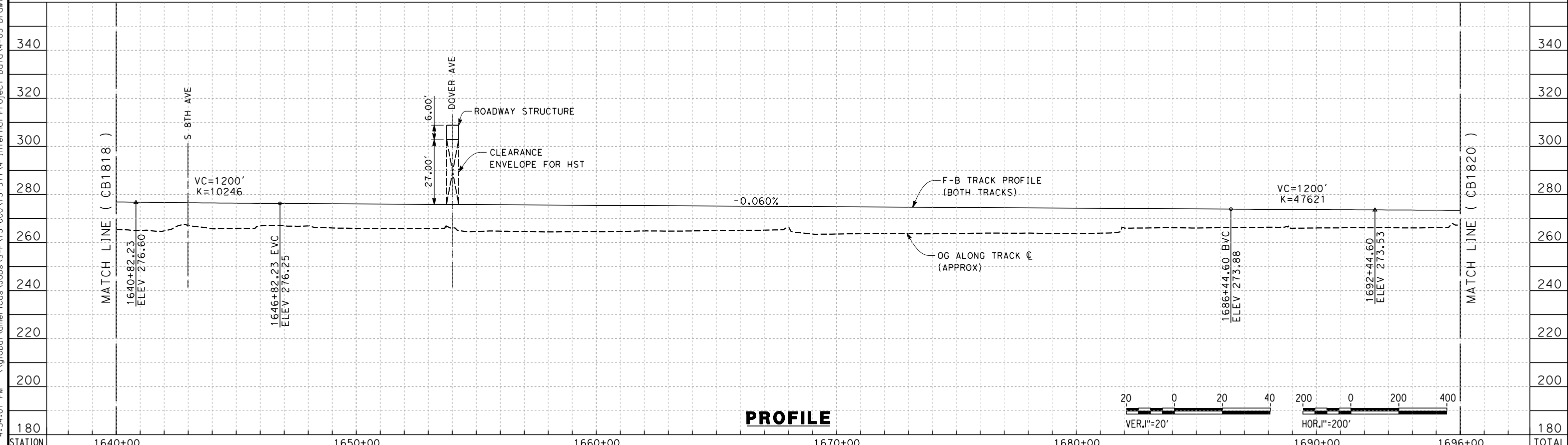
SCALE
AS SHOWN

SHEET NO.
12 OF 31

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
7	250	36500	4.00	2.85	1700	37009



STATION	1640+00	1650+00	1660+00	1670+00	1680+00	1690+00	1696+00	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**

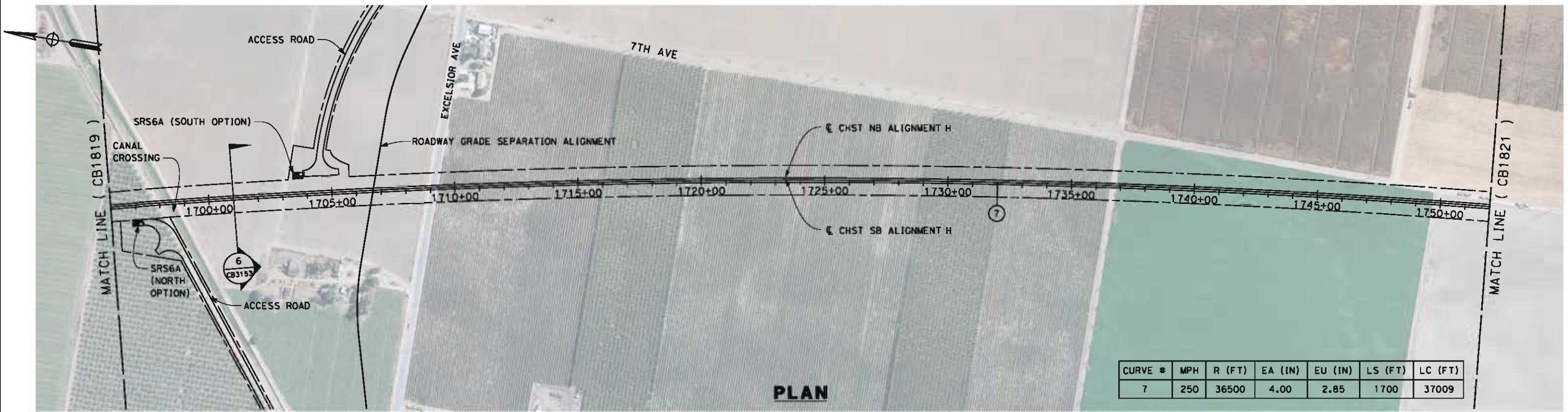


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

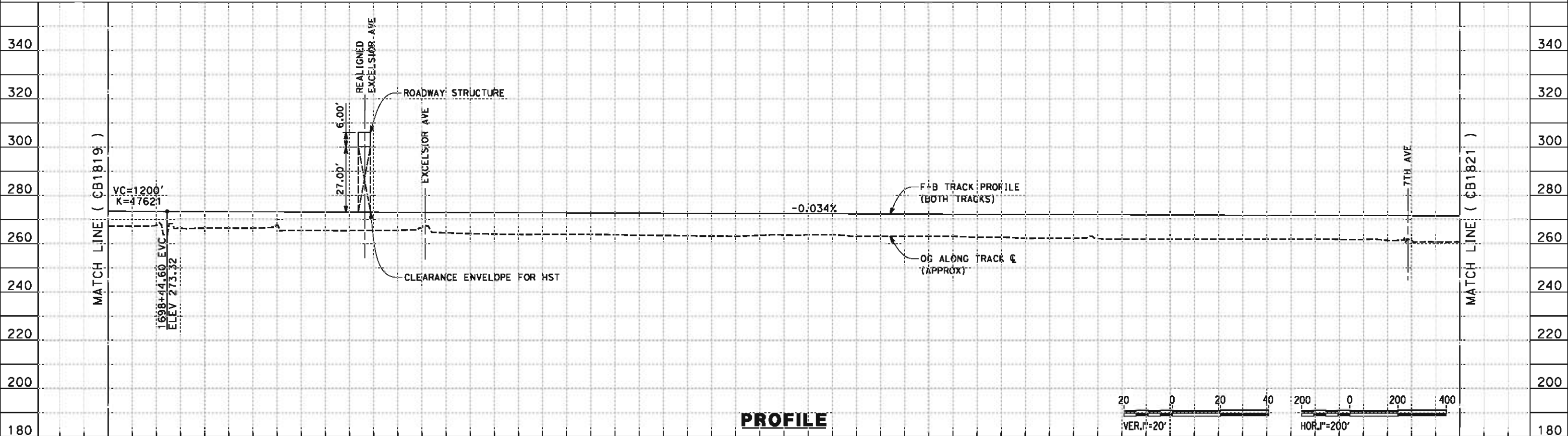
HANFORD SUBSECTION
ALIGNMENT H
STA. 1640+00 TO 1696+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1819
SCALE
AS SHOWN
SHEET NO.
13 OF 31

5/14/2012 4:34:06 PM \\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\HV-B-CB-1820-H.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
7	250	36500	4.00	2.85	1700	37009



STATION	1696+00	1700+00	1710+00	1720+00	1730+00	1740+00	1750+00	1752+00	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

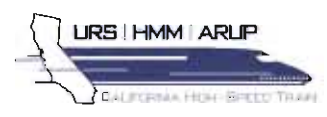
CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

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

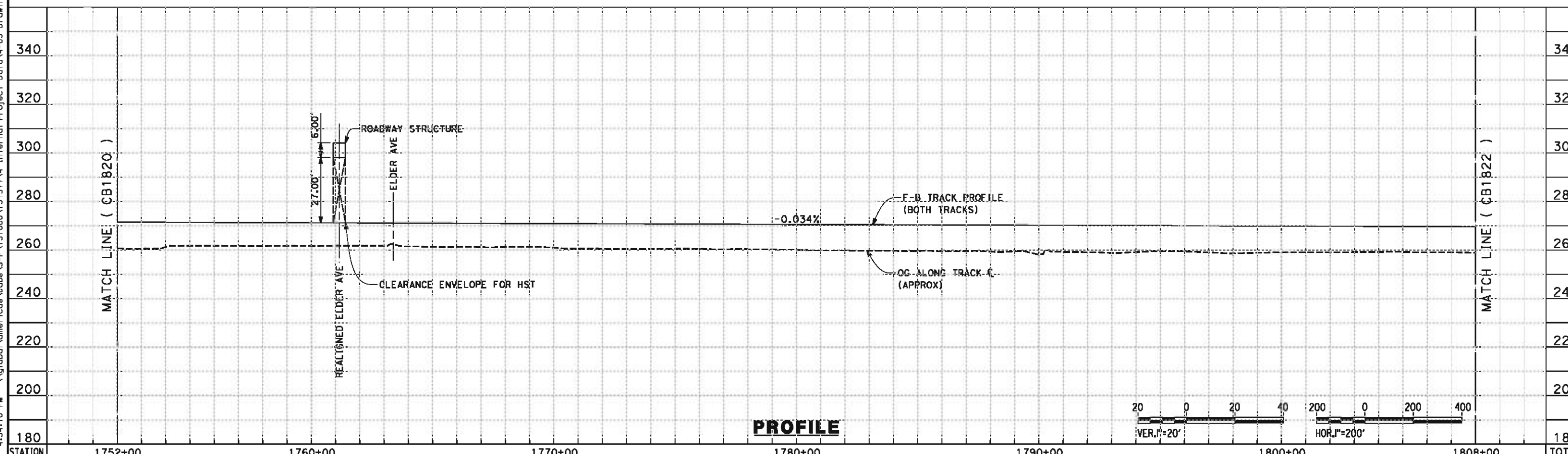
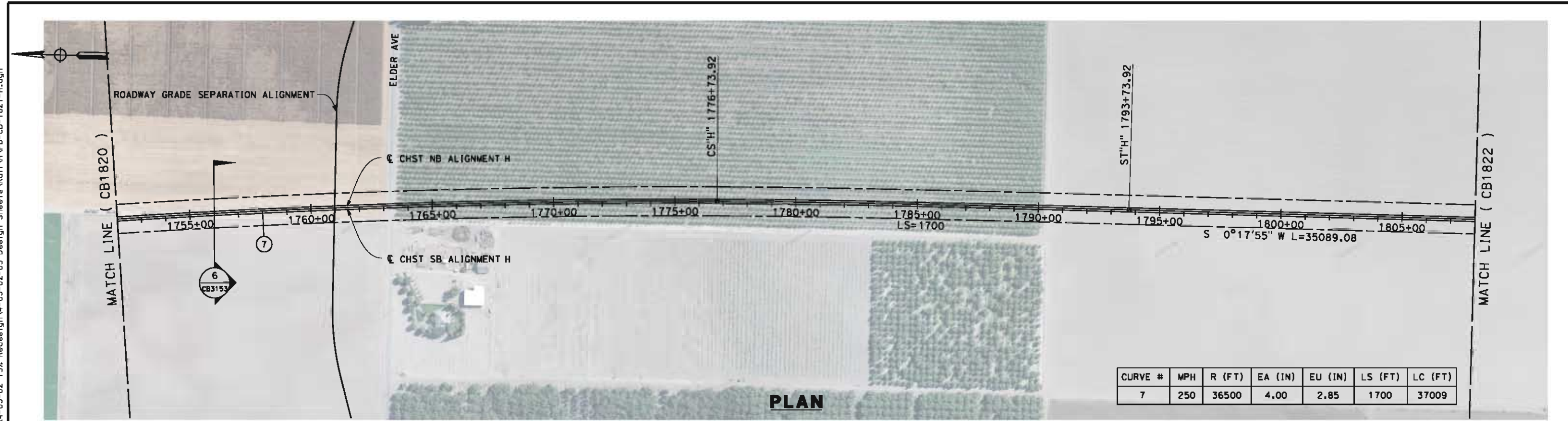
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HSR 06-0003

DRAWING NO.
CB1820

SCALE
AS SHOWN

SHEET NO.
14 OF 31

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STATION	1752+00	1760+00	1770+00	1780+00	1790+00	1800+00	1808+00	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**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1752+00 TO 1808+00
PLAN AND PROFILE

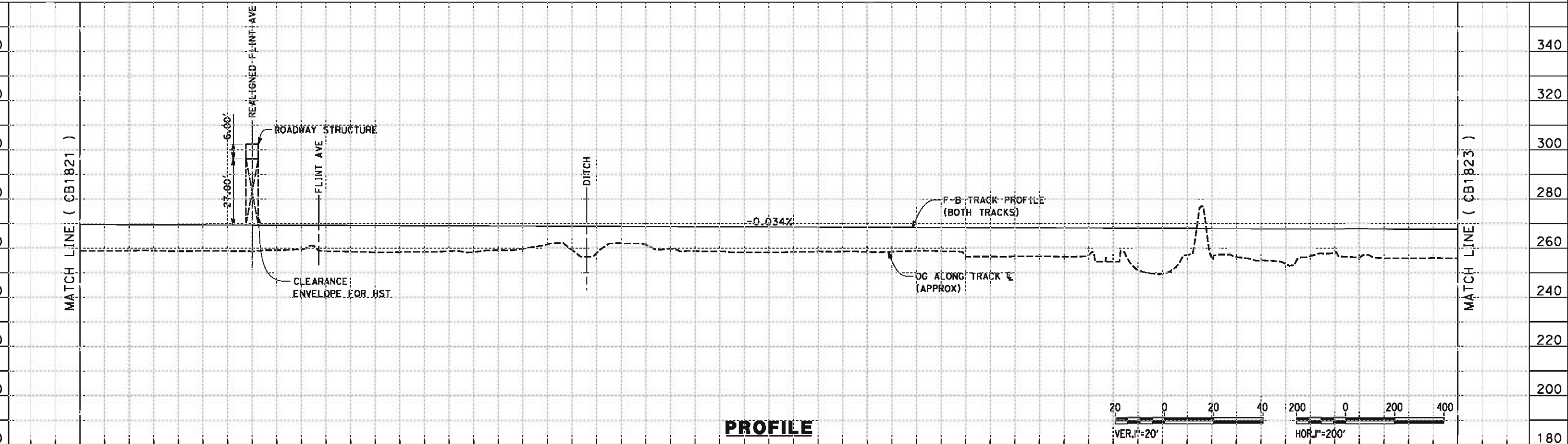
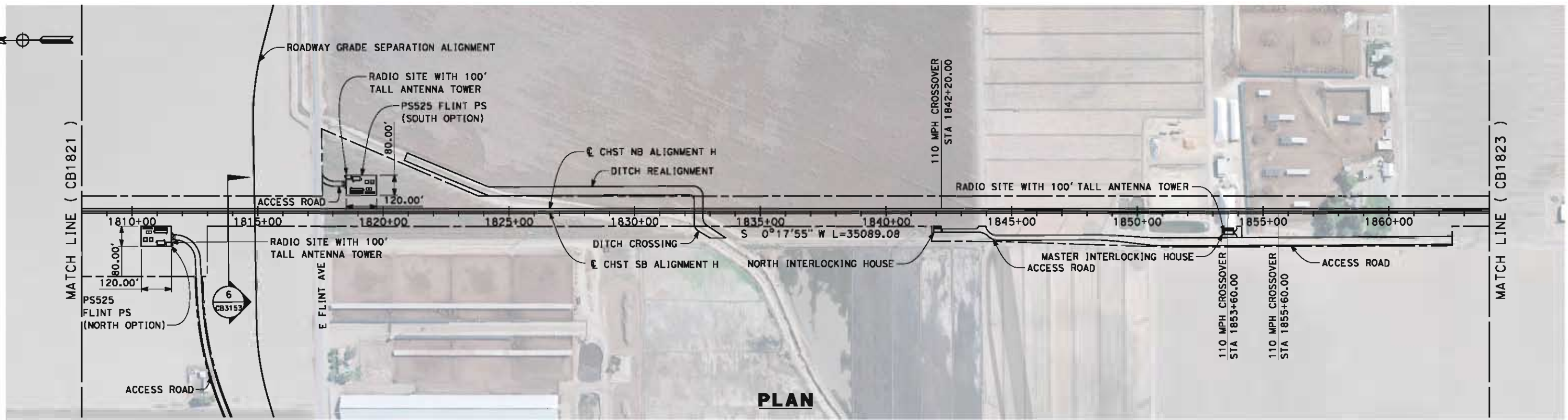
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1821

SCALE
AS SHOWN

SHEET NO.
15 OF 31

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STATION	1808+00	1810+00	1820+00	1830+00	1840+00	1850+00	1860+00	1864+00	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**

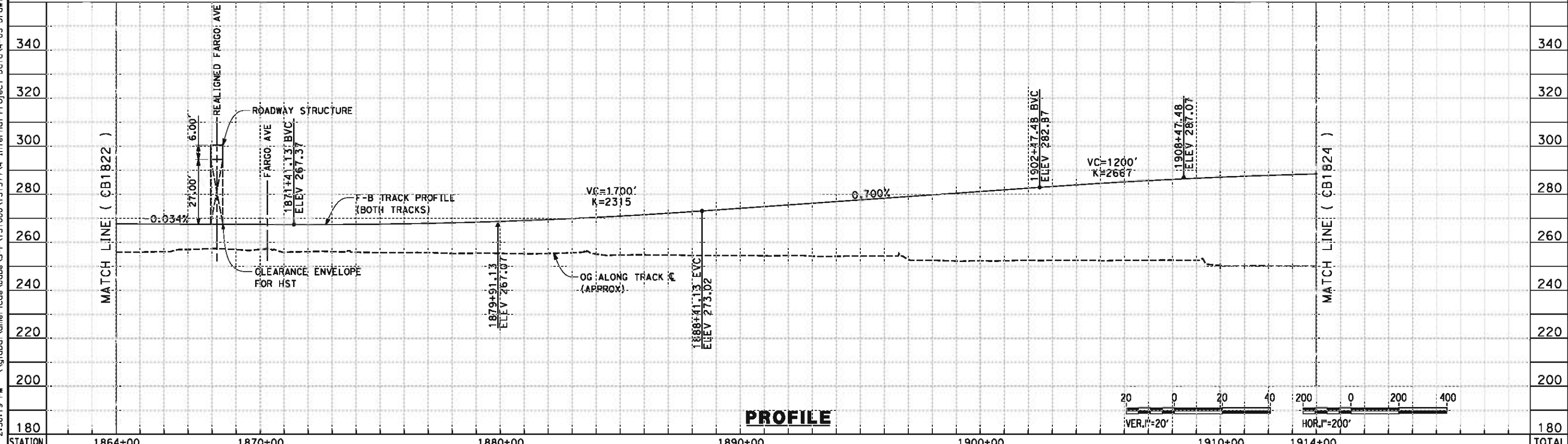
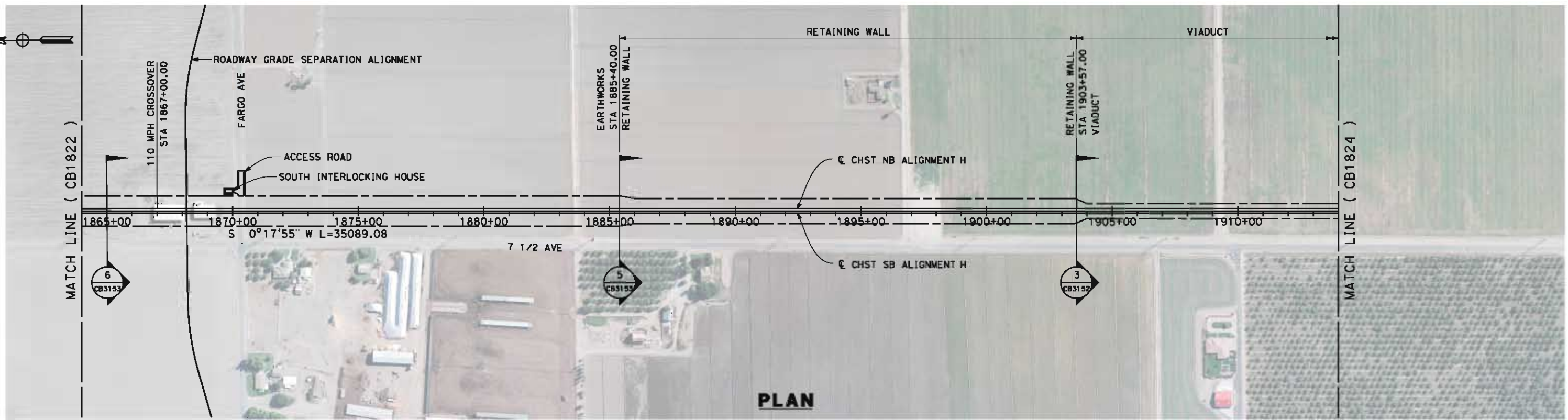


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

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

5/18/2012 2:36:19 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\HV\FB-CB-1823-H.dgn



STATION	1864+00	1870+00	1880+00	1890+00	1900+00	1910+00	1914+00	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**

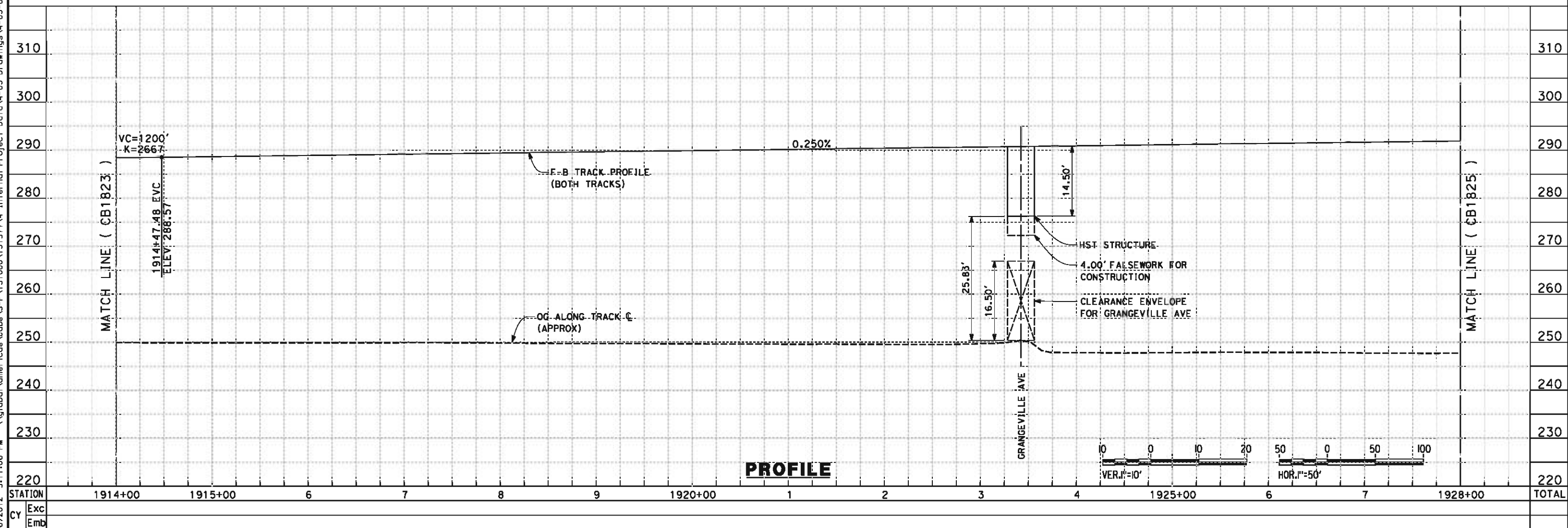
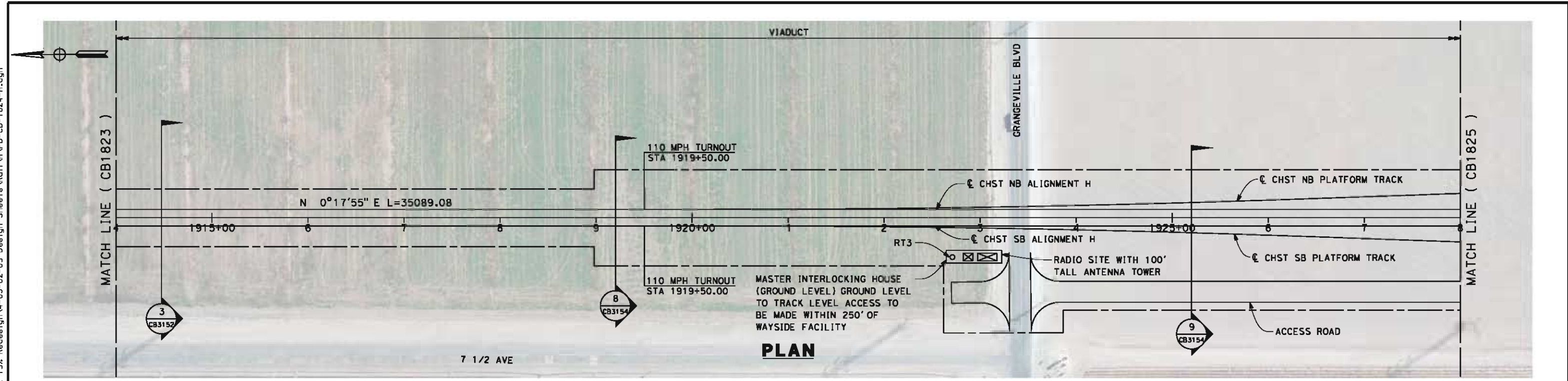


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1864+00 TO 1914+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1823
SCALE
AS SHOWN
SHEET NO.
17 OF 31

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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**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1914+00 TO 1928+00
PLAN AND PROFILE

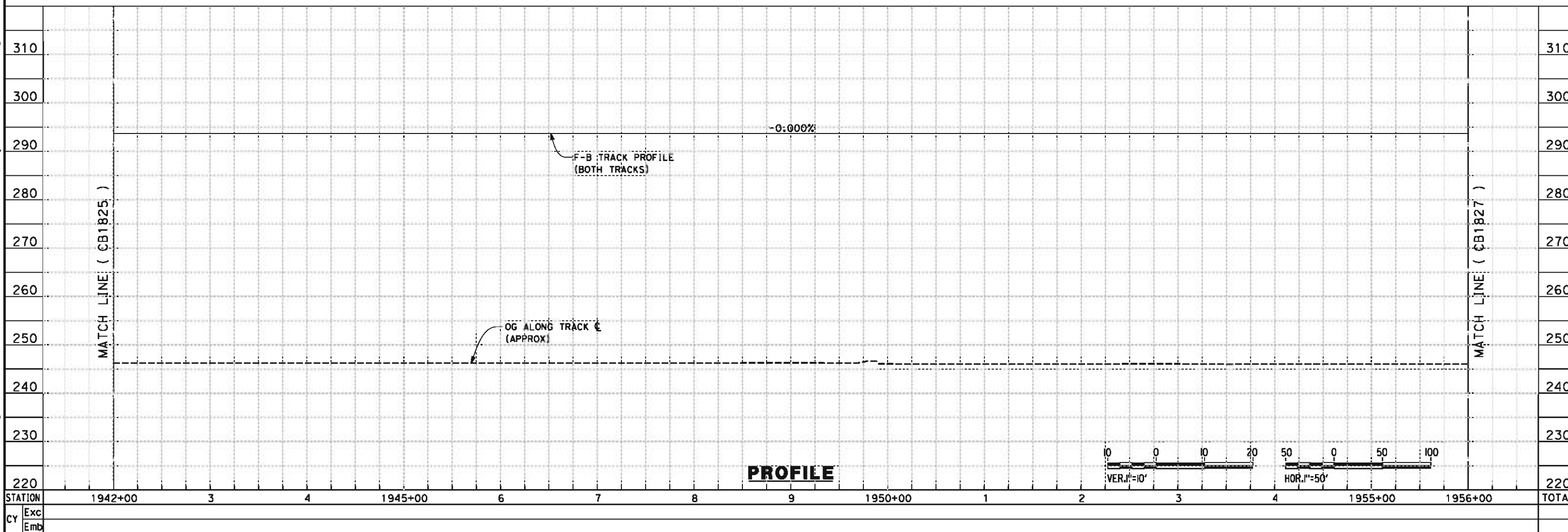
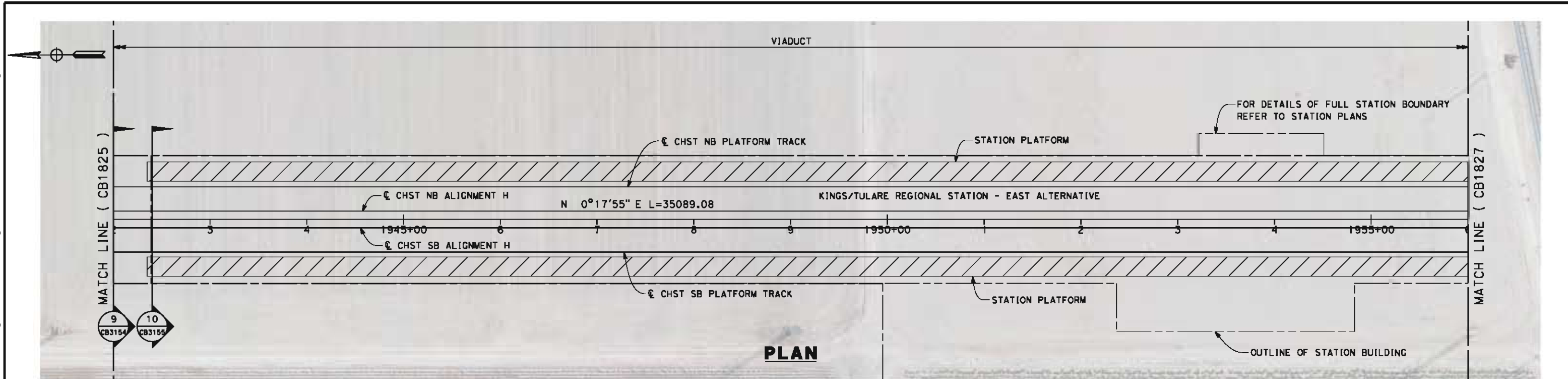
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1824

SCALE
AS SHOWN

SHEET NO.
18 OF 31

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION
DRAWN BY P. TONKIN	
CHECKED BY D. HUNT	
IN CHARGE R. COFFIN	
DATE 05/18/12	

CALIFORNIA HIGH-SPEED TRAIN PROJECT

FRESNO TO BAKERSFIELD

HANFORD SUBSECTION

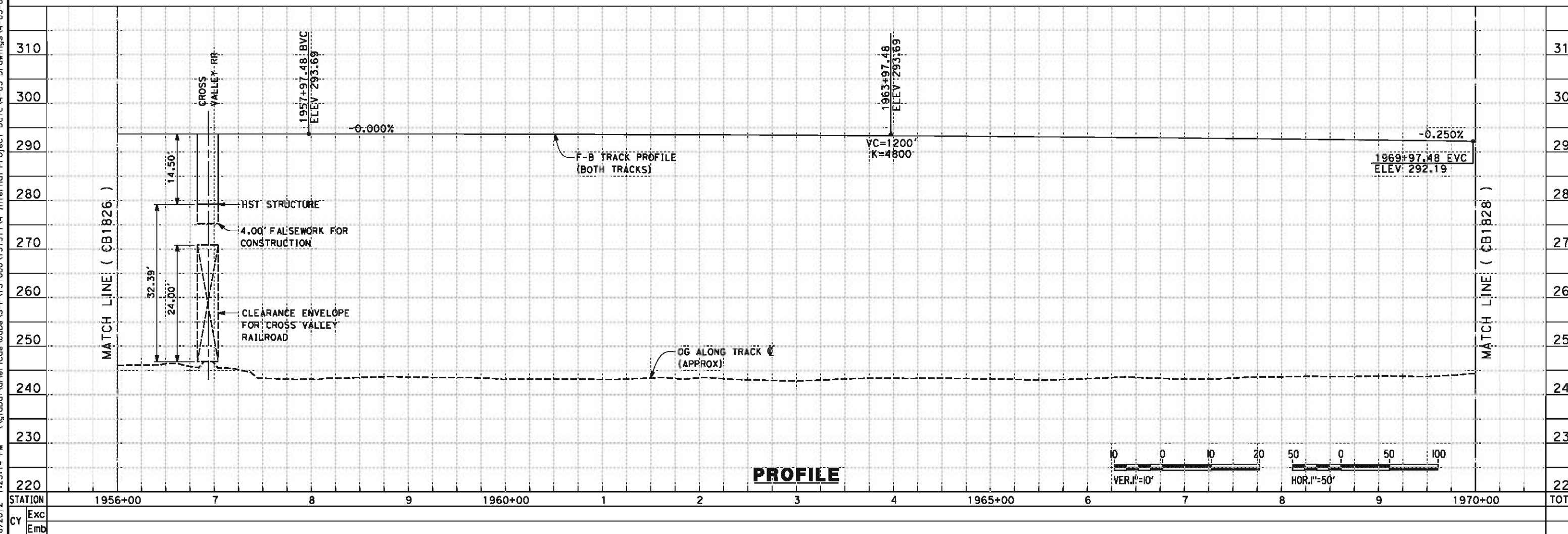
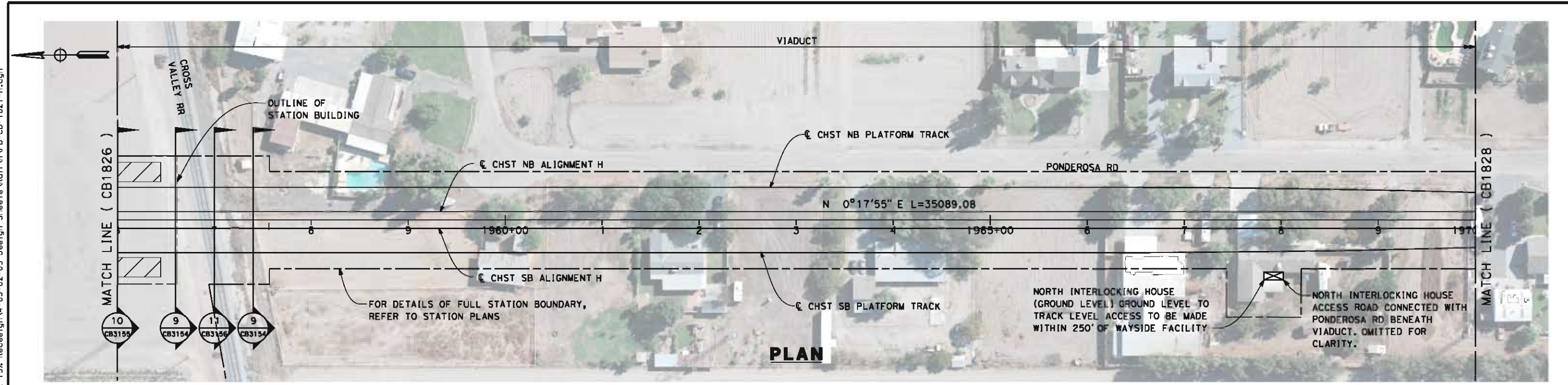
ALIGNMENT H

STA. 1942+00 TO 1956+00

PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1826
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SHEET NO. 20 OF 31

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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**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1956+00 TO 1970+00
PLAN AND PROFILE

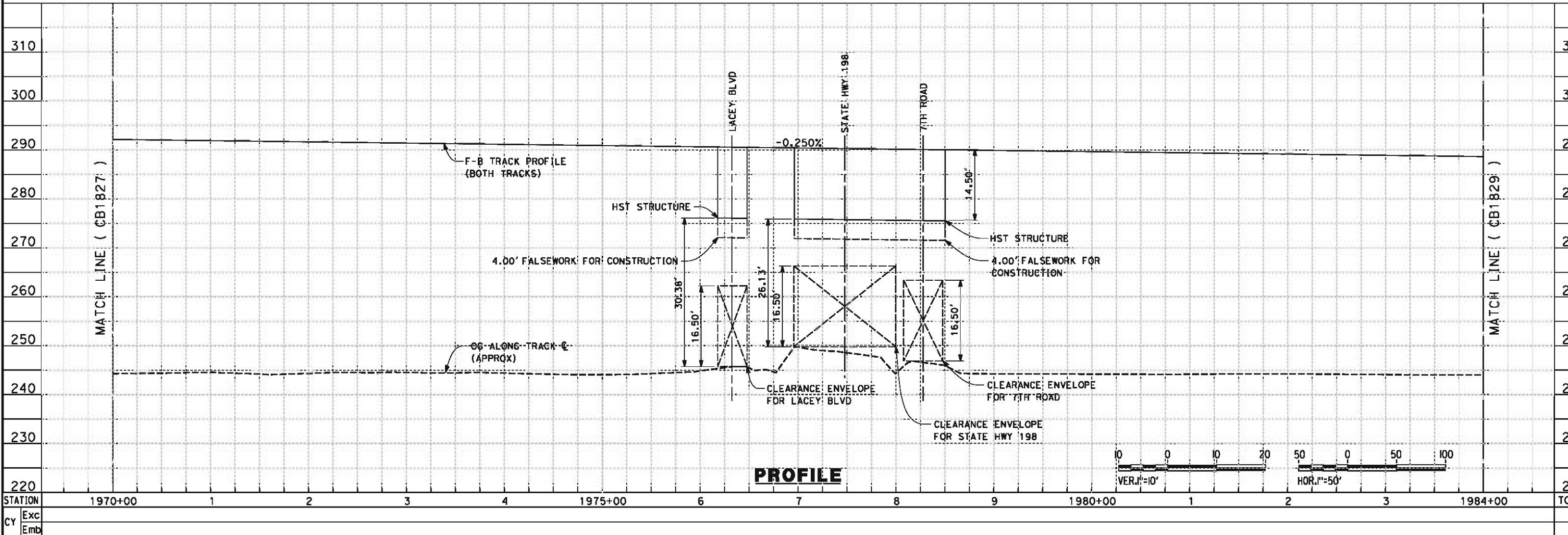
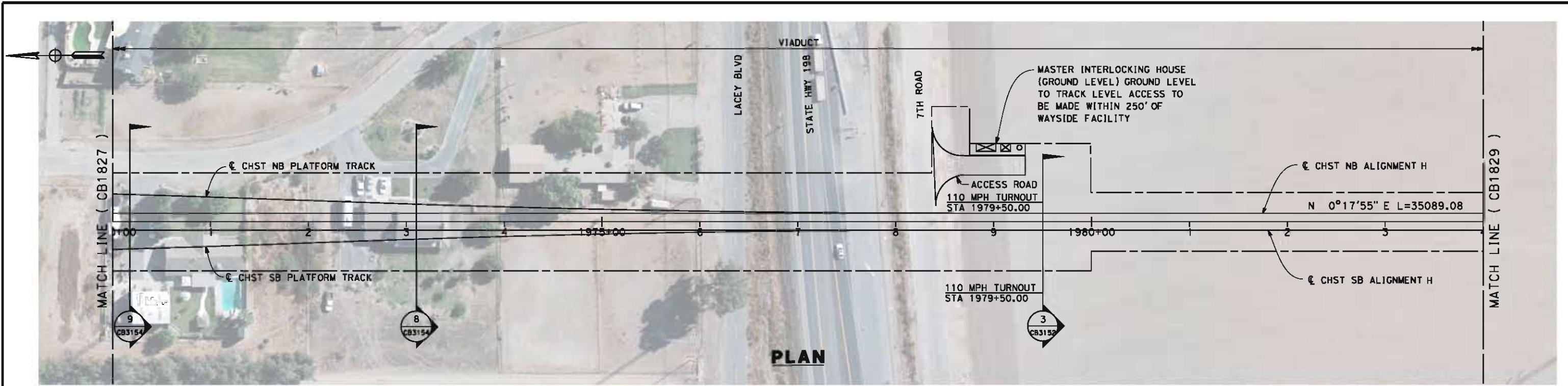
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1827

SCALE
AS SHOWN

SHEET NO.
21 OF 31

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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**

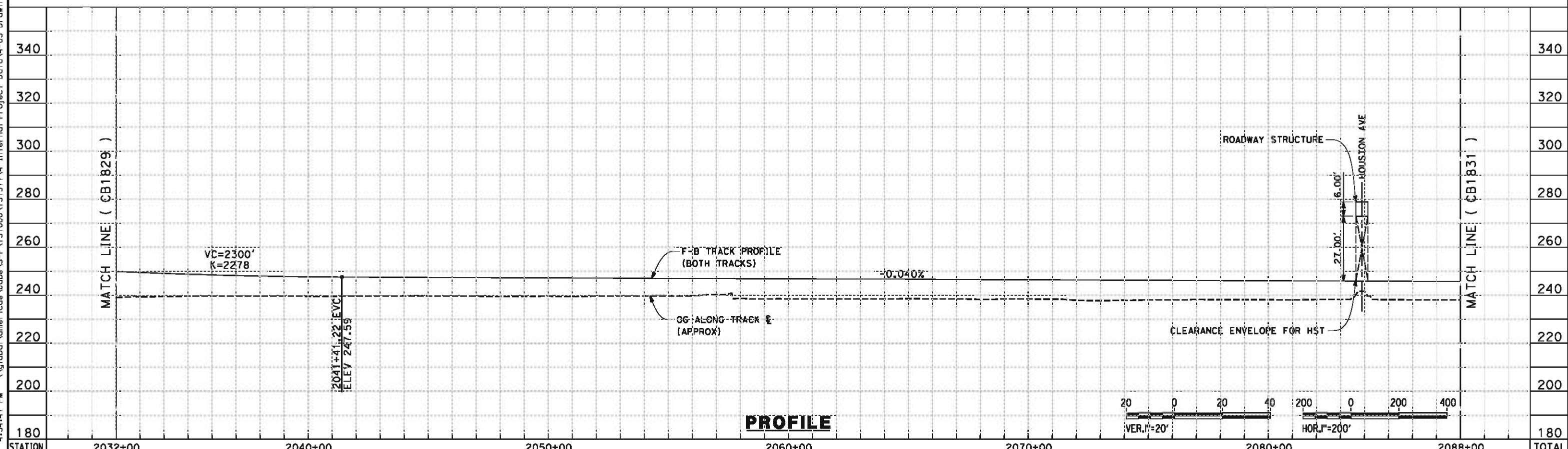
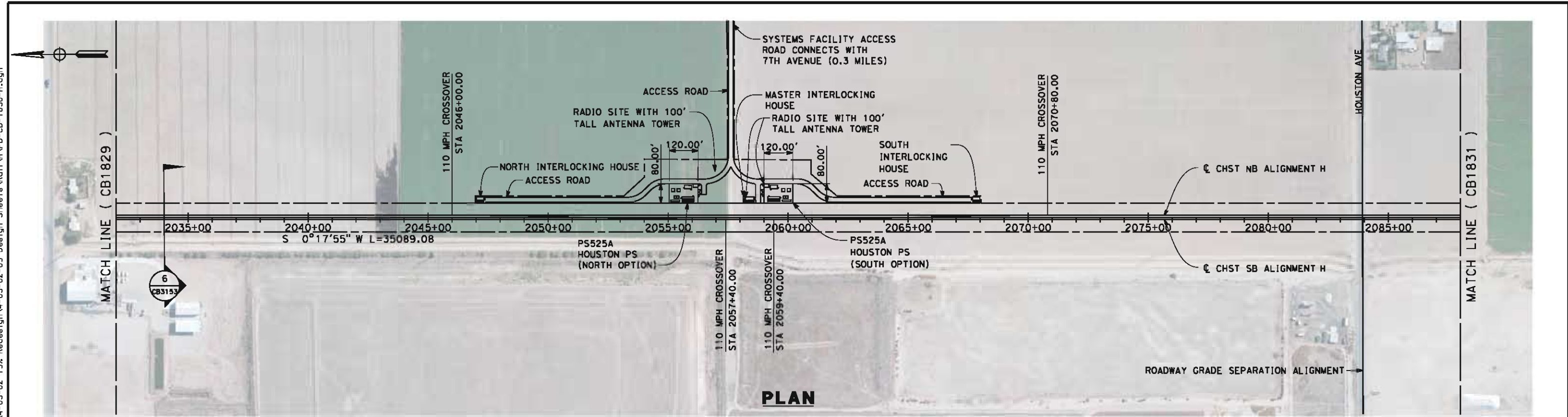


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1970+00 TO 1984+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1828
SCALE
AS SHOWN
SHEET NO.
22 OF 31

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STATION	2032+00	2040+00	2050+00	2060+00	2070+00	2080+00	2088+00	TOTAL
CY Exc								
CY 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**

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

CONTRACT NO.
HSR 06-0003

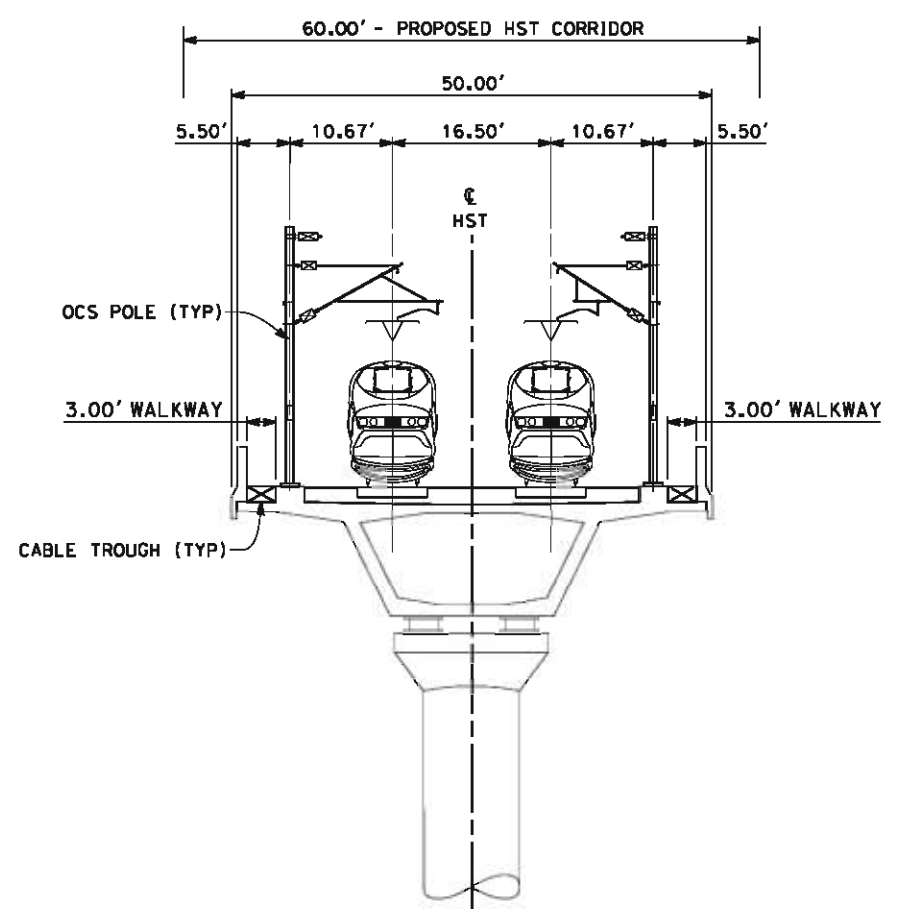
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CB1830

SCALE
AS SHOWN

SHEET NO.
24 OF 31

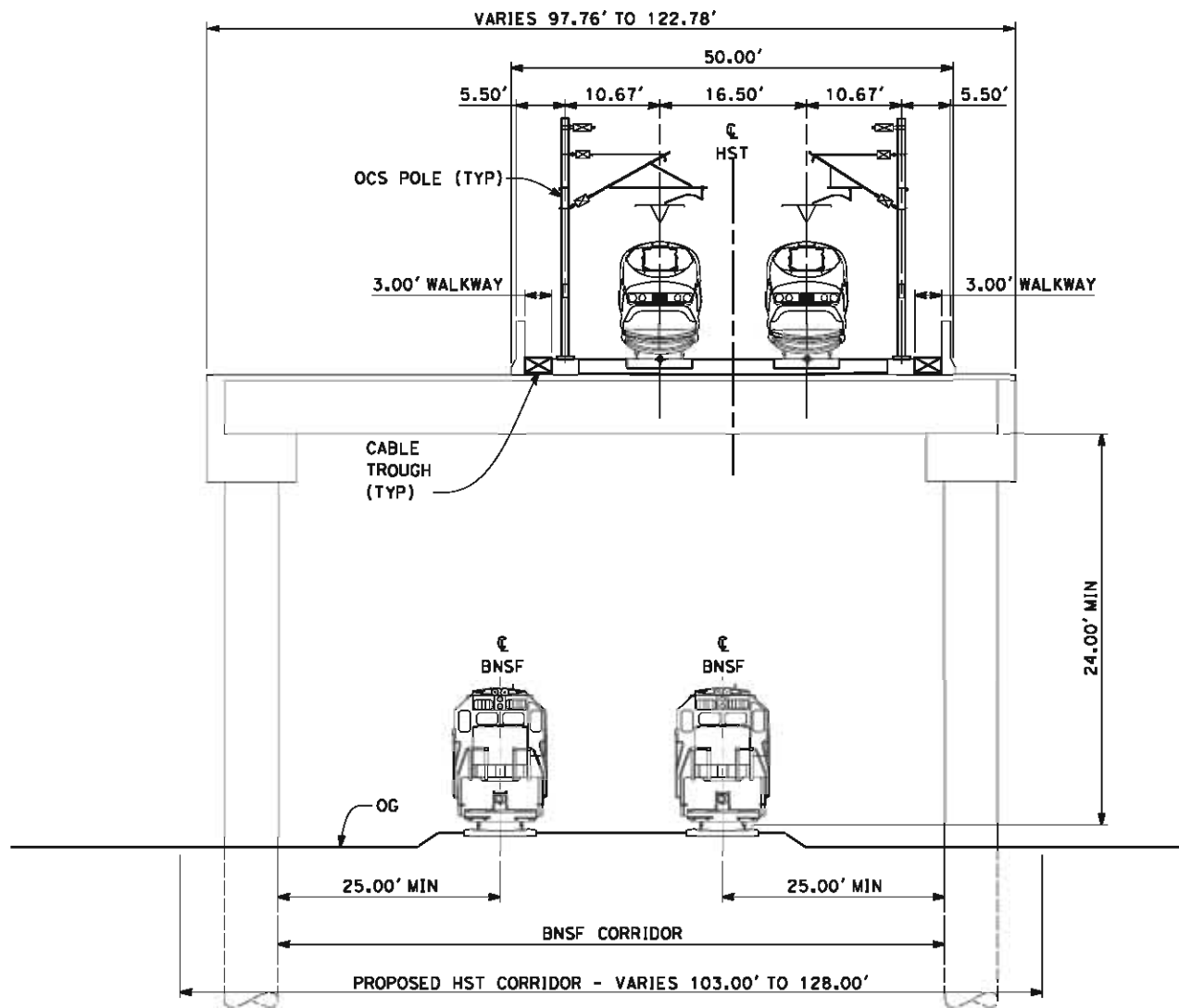
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



SECTION 3

TWIN TRACK - AERIAL STRUCTURE
 STA 1105+61 THROUGH STA 1124+60
 STA 1134+10 THROUGH STA 1155+11
 STA 1903+57 THROUGH STA 1919+20
 STA 1979+50 THROUGH STA 2008+72



SECTION 4

TWIN TRACK - ELEVATED SLAB OVER BNSF
 STA 1124+60 THROUGH STA 1134+10



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
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

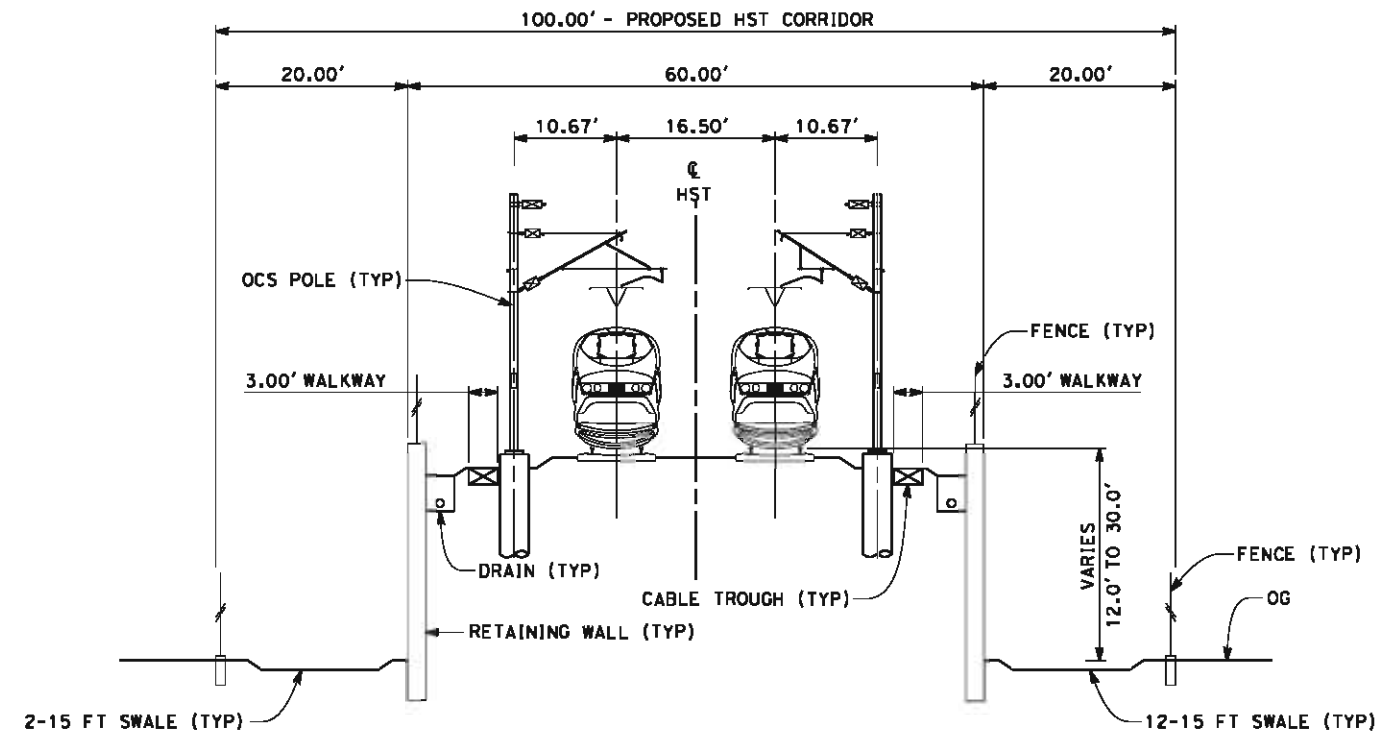
DRAWING NO.
CB3152

SCALE
AS SHOWN

SHEET NO.
27 OF 31

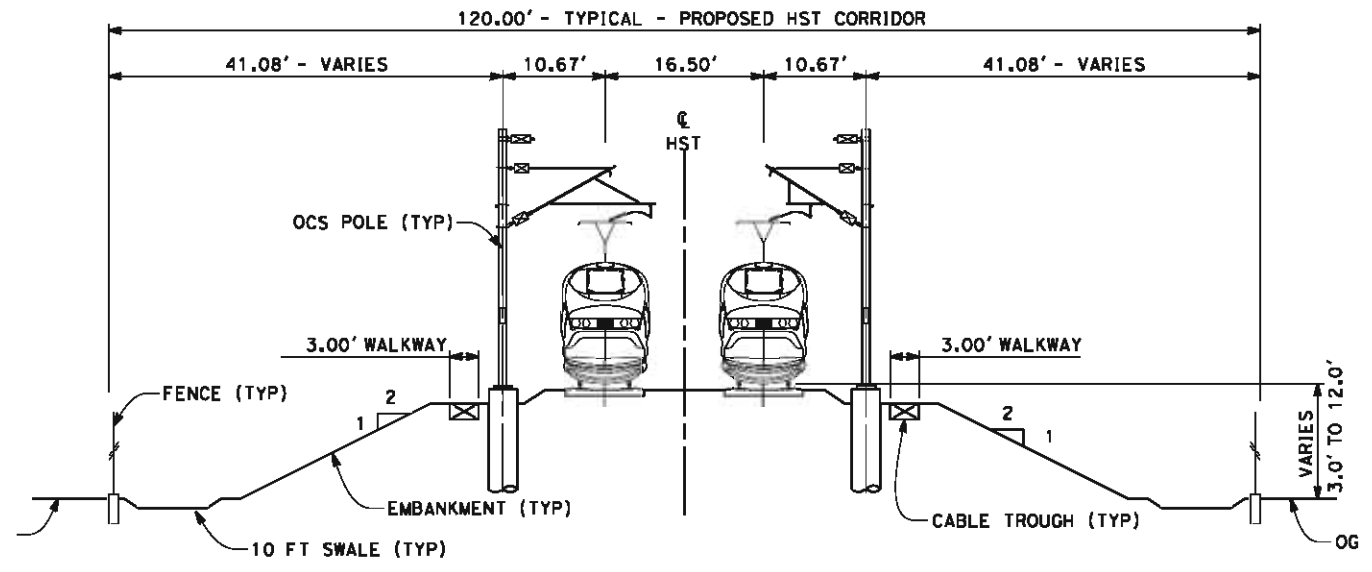
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



SECTION 5

TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 1155+11 THROUGH STA 1170+00
 STA 1885+40 THROUGH STA 1903+57
 STA 2008+72 THROUGH STA 2023+50



SECTION 6

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
 STA 1170+00 THROUGH STA 1465+54
 STA 1466+77 THROUGH STA 1485+90
 STA 1488+95 THROUGH STA 1518+52
 STA 1525+12 THROUGH STA 1581+69
 STA 1587+19 THROUGH STA 1885+40
 STA 2023+48 THROUGH STA 2144+63



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

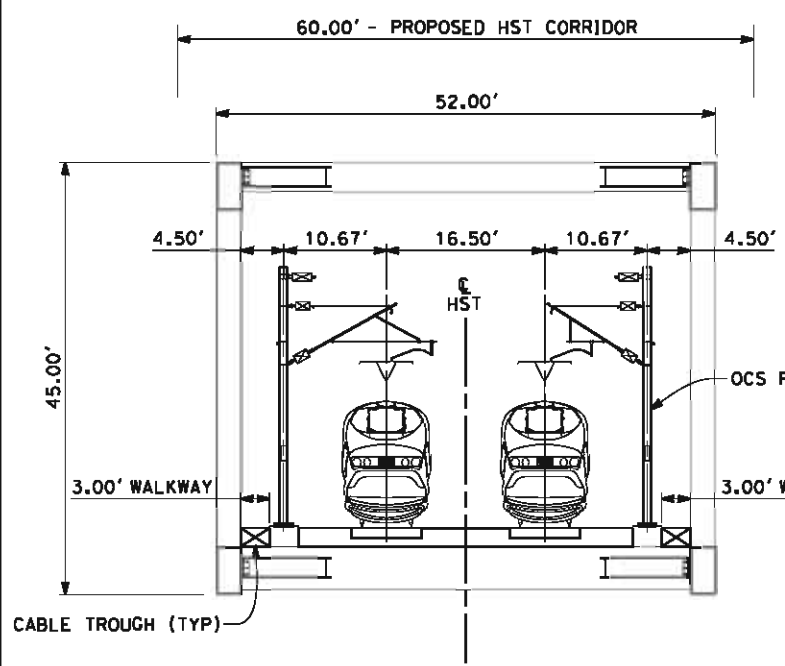
RECORD SET 15%
 DESIGN SUBMISSION
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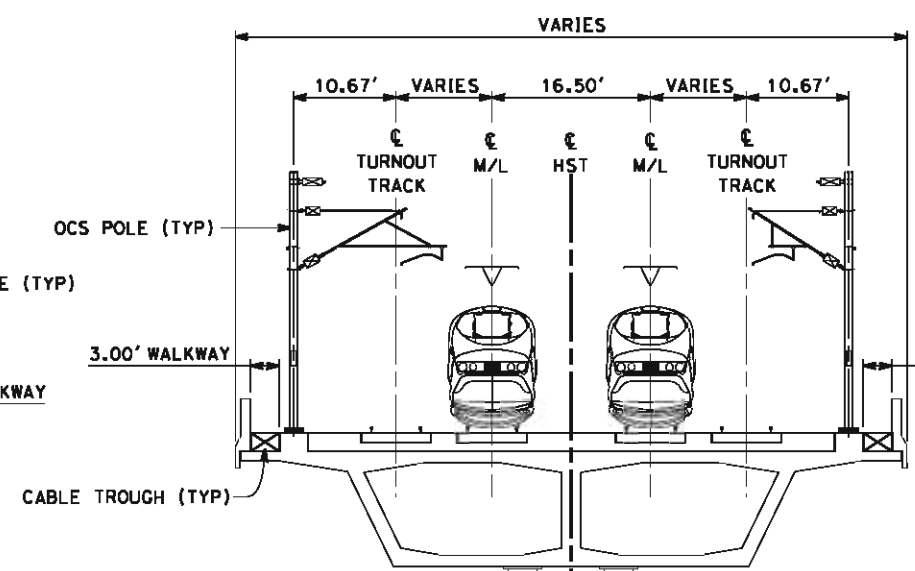
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 ALIGNMENT H
 CROSS SECTIONS

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

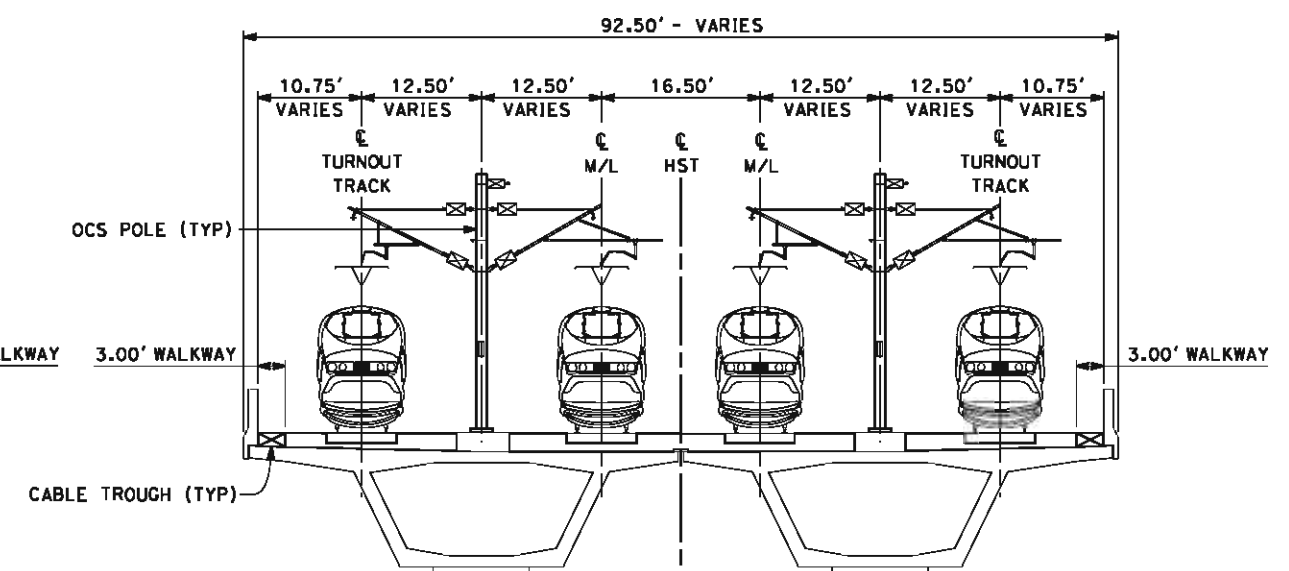
- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



SECTION 7
 TWIN TRACK- AERIAL STEEL TRUSS
 STA 1485+90 THROUGH STA 1488+95
 STA 1518+52 THROUGH STA 1525+12
 STA 1581+69 THROUGH STA 1587+19



SECTION 8
 TWIN TRACK THROUGH TURNOUTS - AERIAL STRUCTURE
 STA 1919+20 THROUGH STA 1925+20
 STA 1973+10 THROUGH STA 1979+50



SECTION 9
 4 TRACK STATION APPROACH - AERIAL STRUCTURE
 STA 1925+20 THROUGH STA 1942+40
 STA 1956+60 THROUGH STA 1973+10



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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

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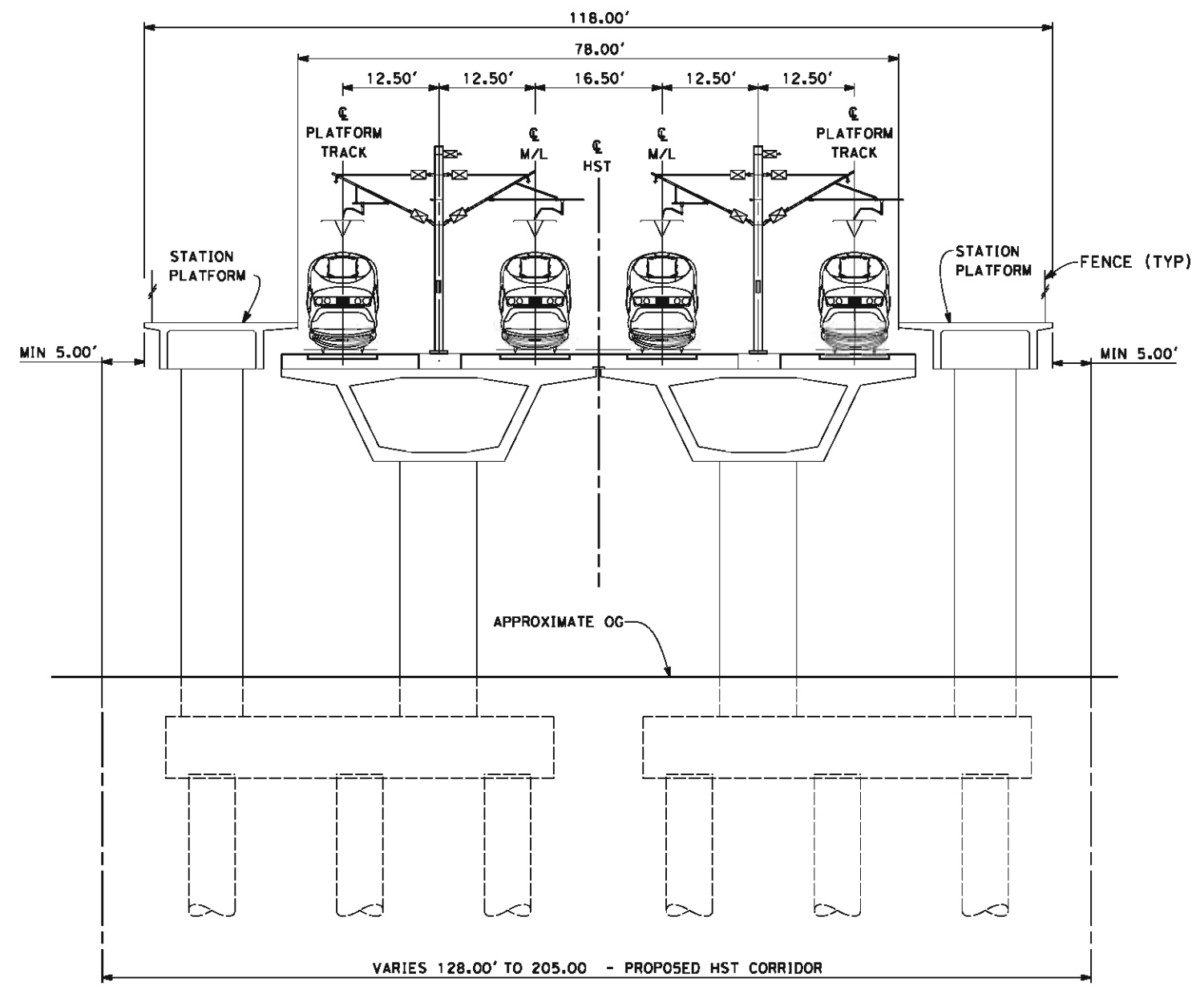


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 FRESNO TO BAKERSFIELD**
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 ALIGNMENT H
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3154
 SCALE
AS SHOWN
 SHEET NO.
29 OF 31

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- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.
 4. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED. SEE STATION DRAWINGS FOR DETAILS.



SECTION 10

4 TRACK THROUGH STATION AREA - AERIAL STRUCTURE
STA 1942+40 THROUGH STA 1956+60



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR

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P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
05/18/12

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DESIGN SUBMISSION**

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

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

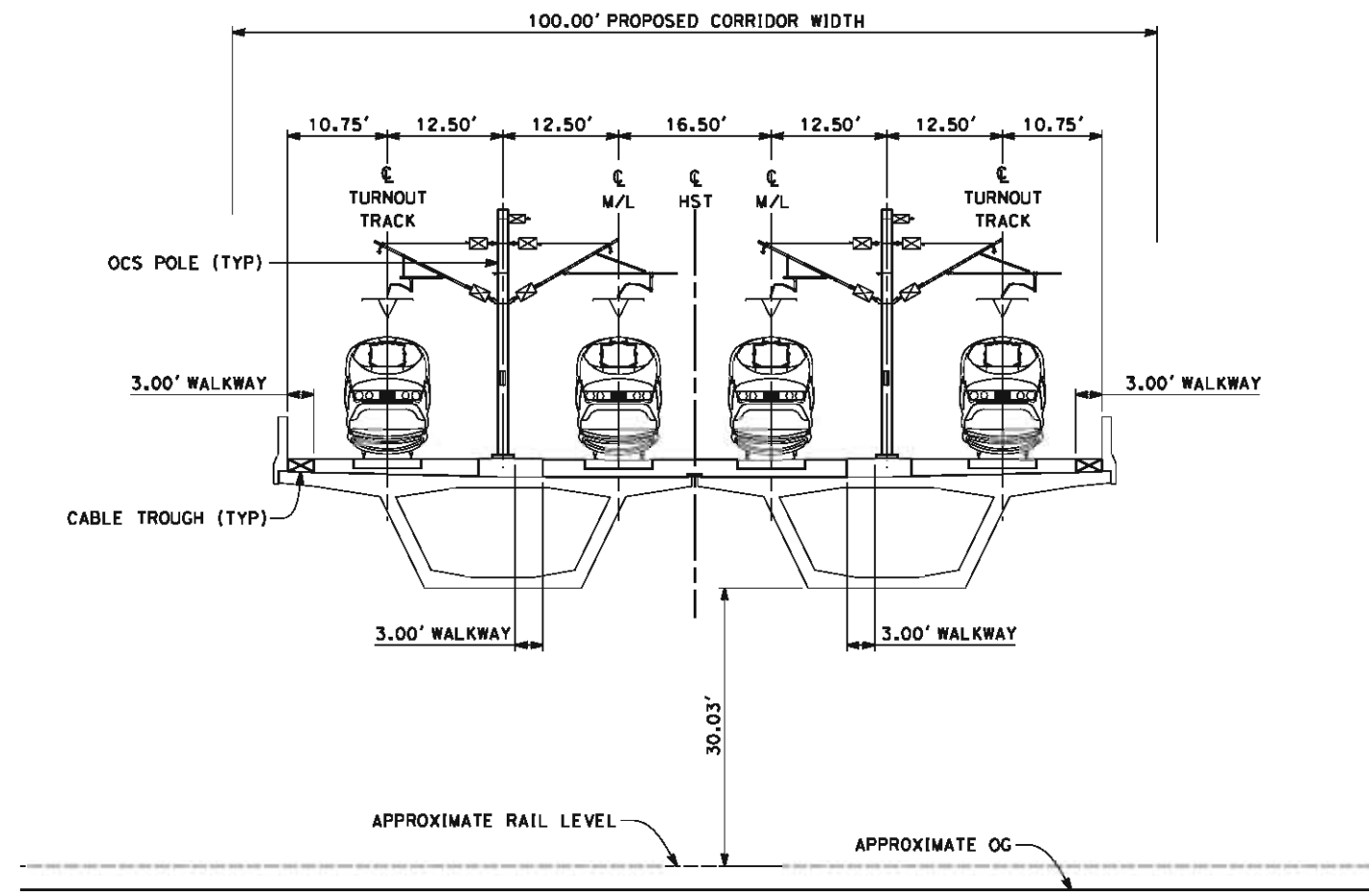
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CB3155

SCALE
AS SHOWN

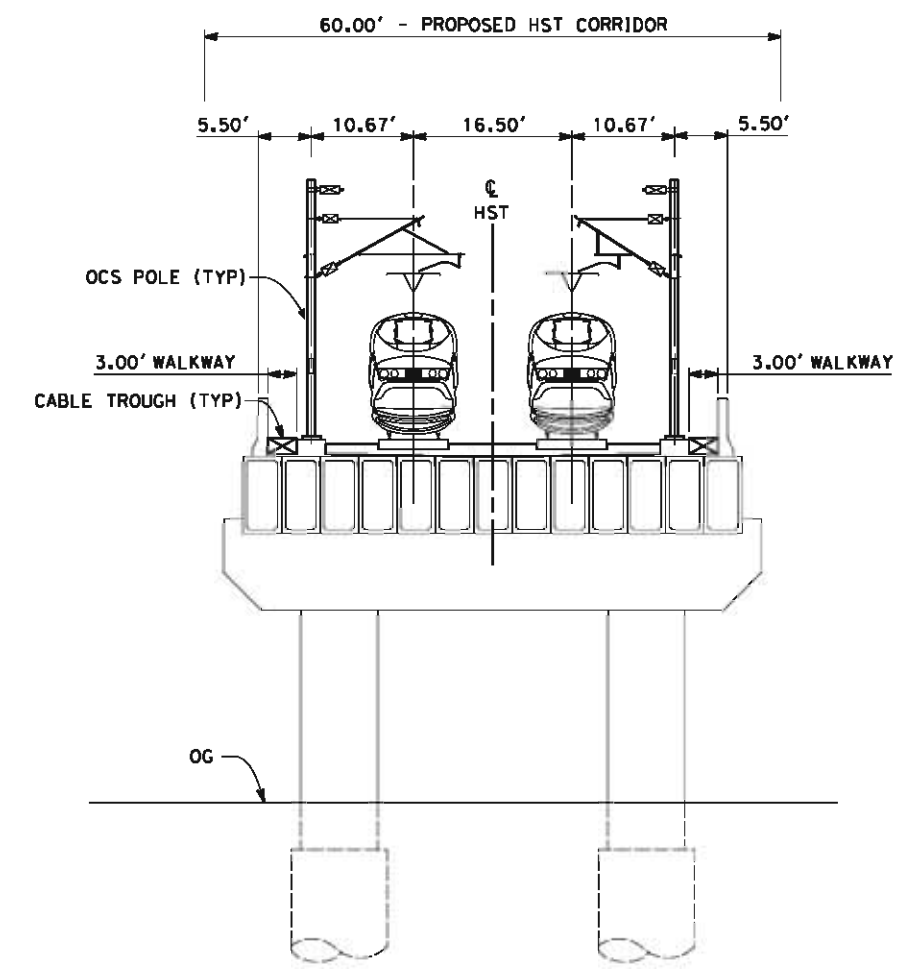
SHEET NO.
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



SECTION 11
 KINGS TULARE REGIONAL STATION
 STATION APPROACH ABOVE CROSS VALLEY RAIL LINE
 STA 1957+00



SECTION 12
 TWIN TRACK- ELEVATED BOX GIRDER BRIDGE
 STA 1465+54 THROUGH STA 1466+77



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**

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 FRESNO TO BAKERSFIELD**
 HANFORD SUBSECTION
 ALIGNMENT H
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
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CB3156
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 SHEET NO.
31 OF 31

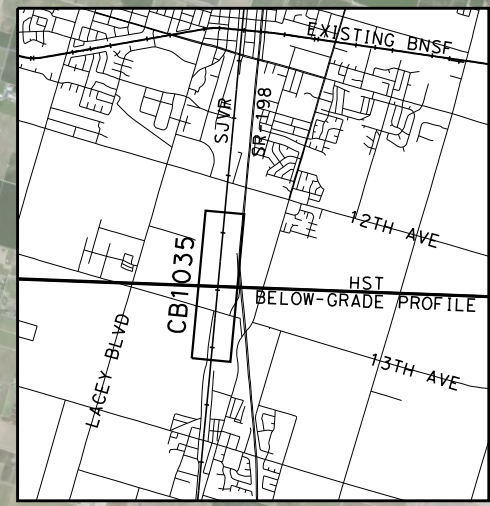
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LEGEND

- EXISTING FREIGHT RAILROAD
- PROPOSED CHST

4000 0 4000 8000
1"=4000'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

DRAWN BY
V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
STA 1065+00 TO 2029+61
KEY MAP

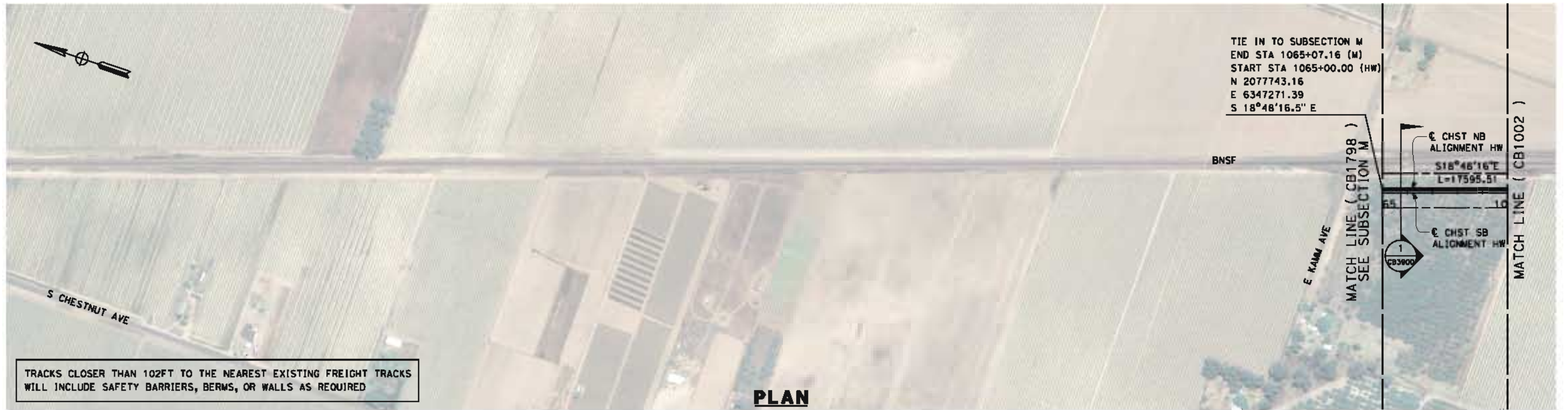
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HSR 06-0003

DRAWING NO.
CB1000

SCALE
AS SHOWN

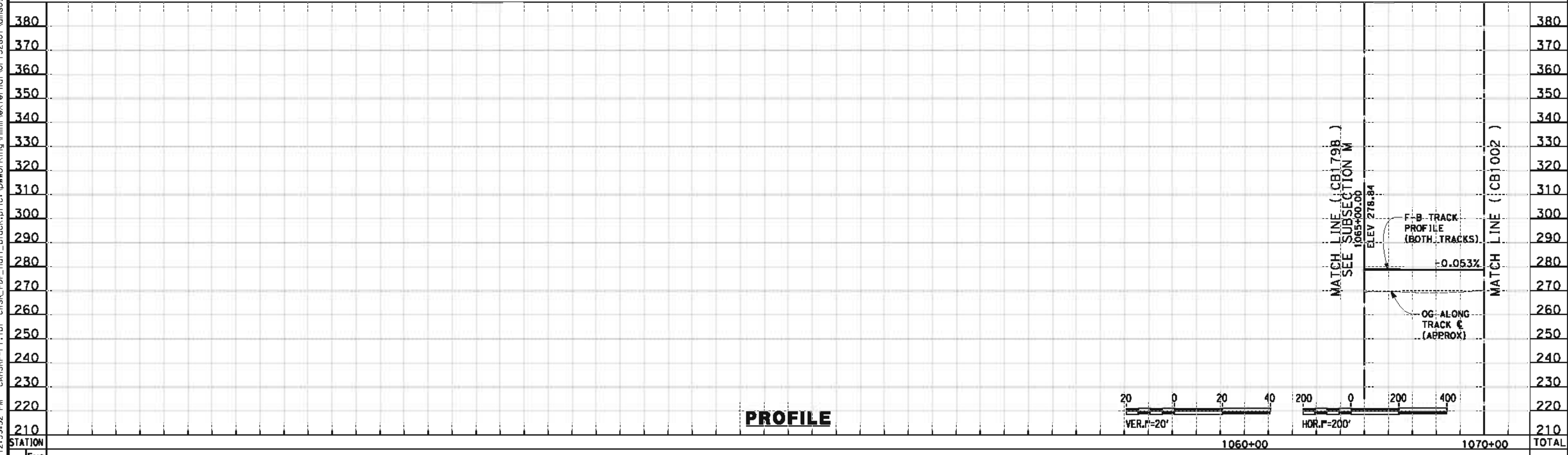
SHEET NO.
1 OF 42

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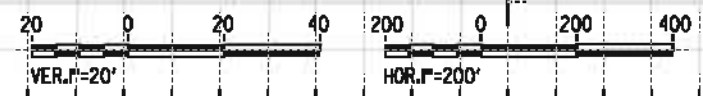


TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
STA 1065+00 TO 1070+00
PLAN AND PROFILE**

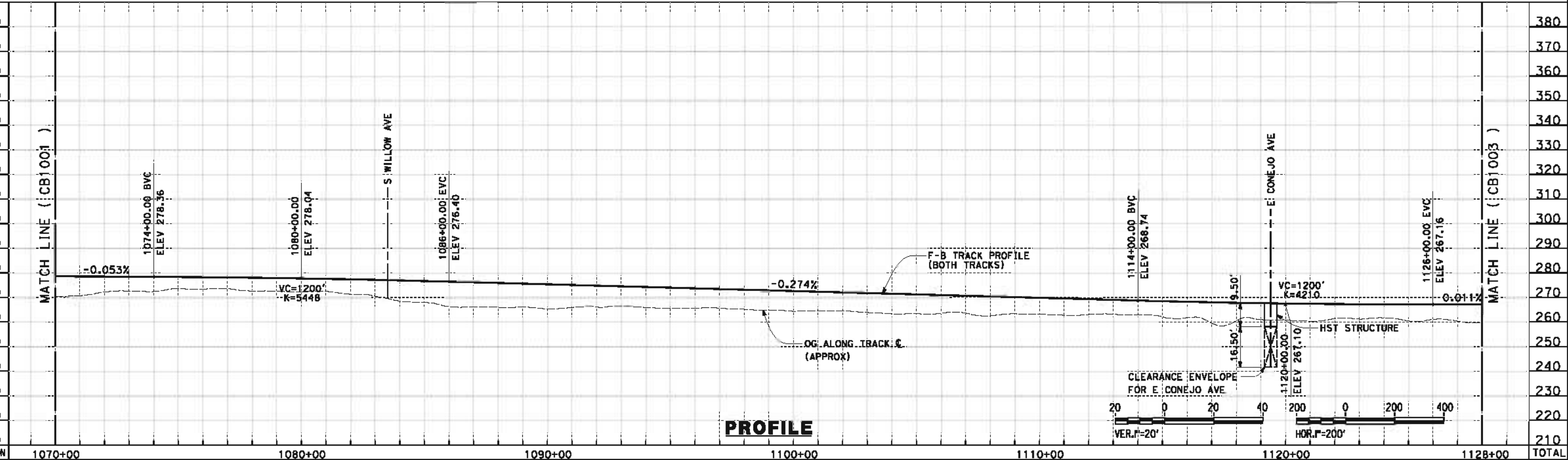
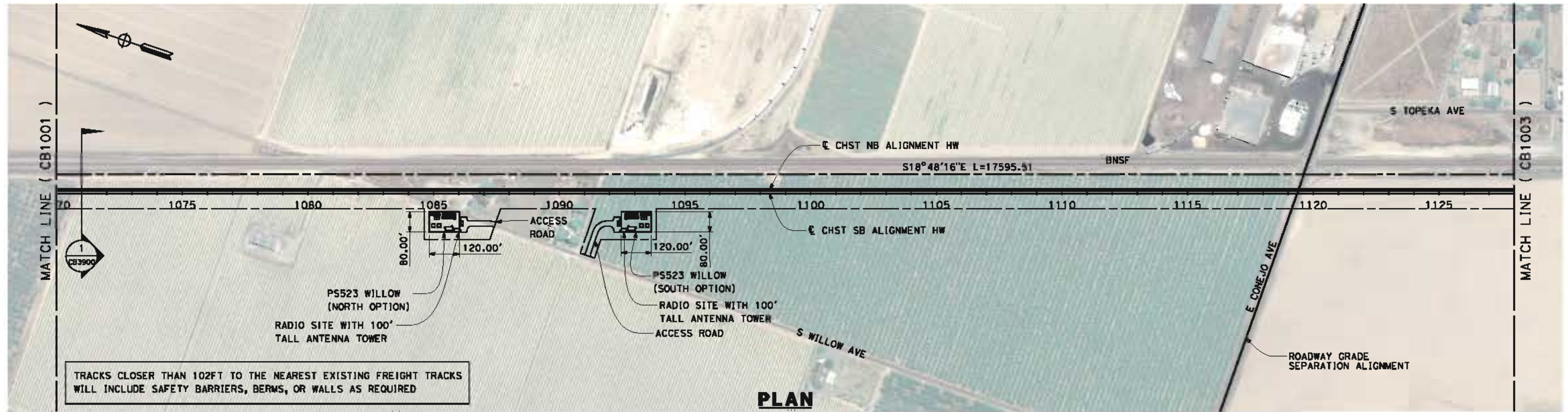
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1001

SCALE
AS SHOWN

SHEET NO.
2 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

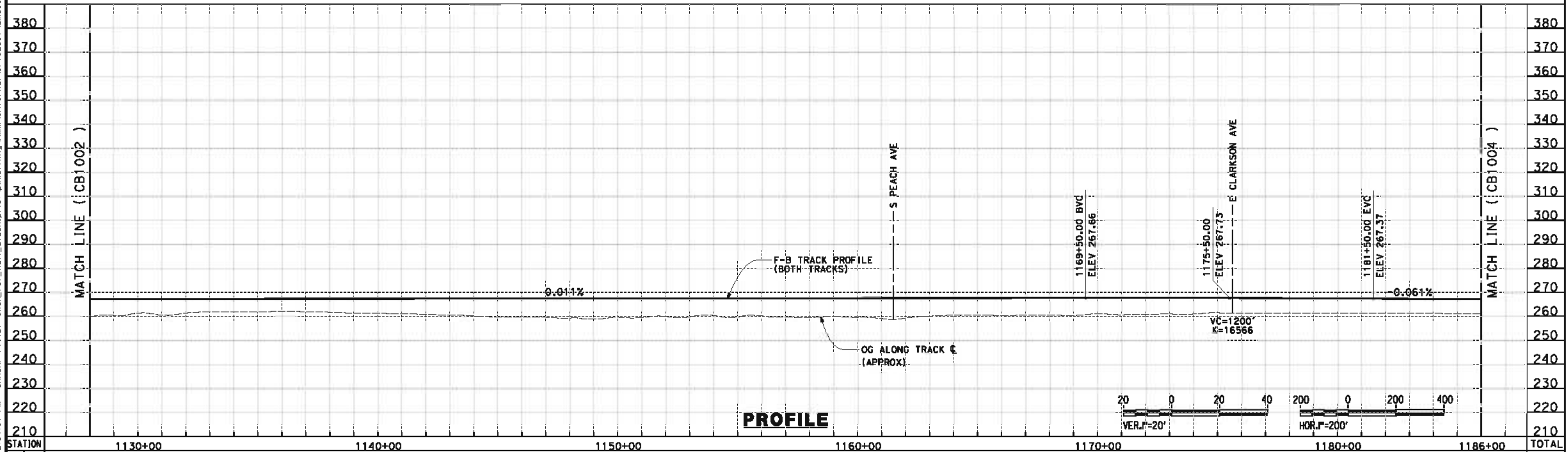
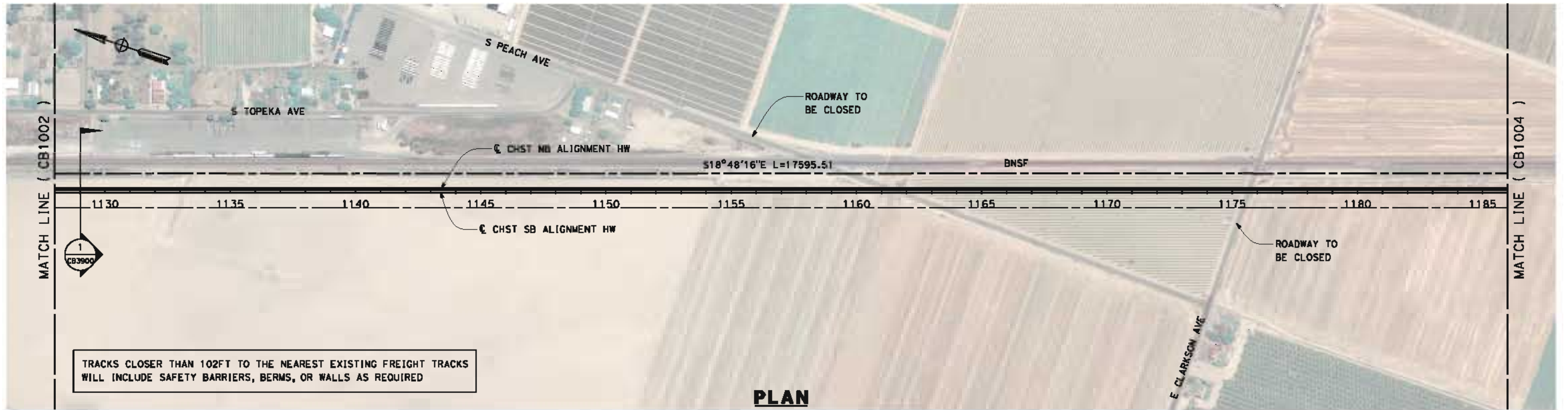
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
STA 1070+00 TO 1128+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1002
 SCALE
AS SHOWN
 SHEET NO.
3 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

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DESIGN SUBMISSION**

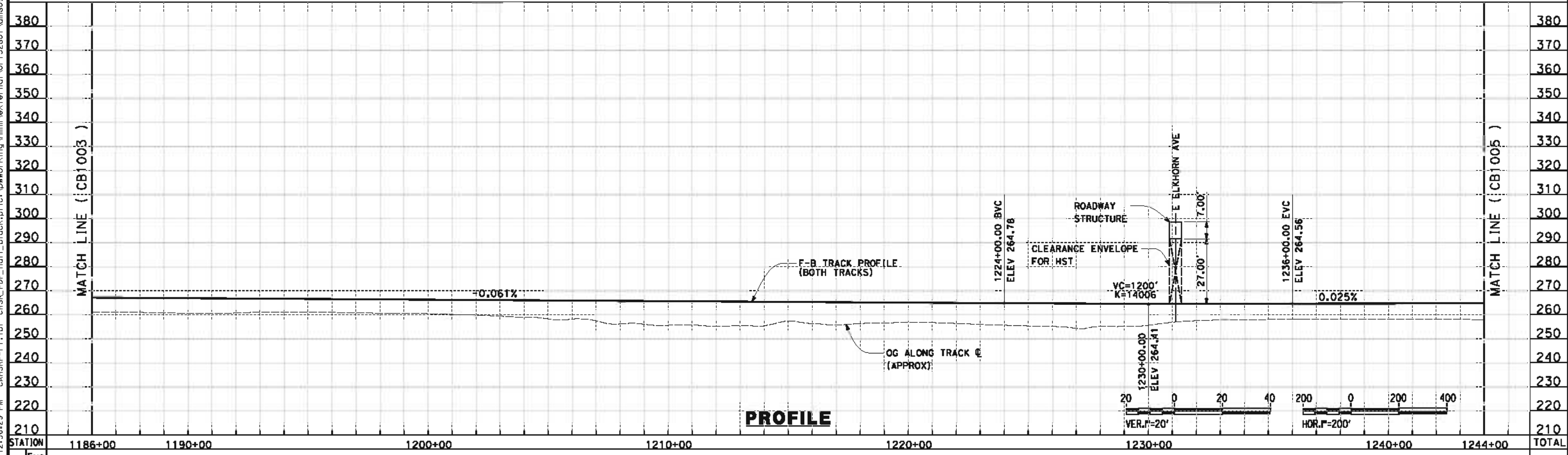
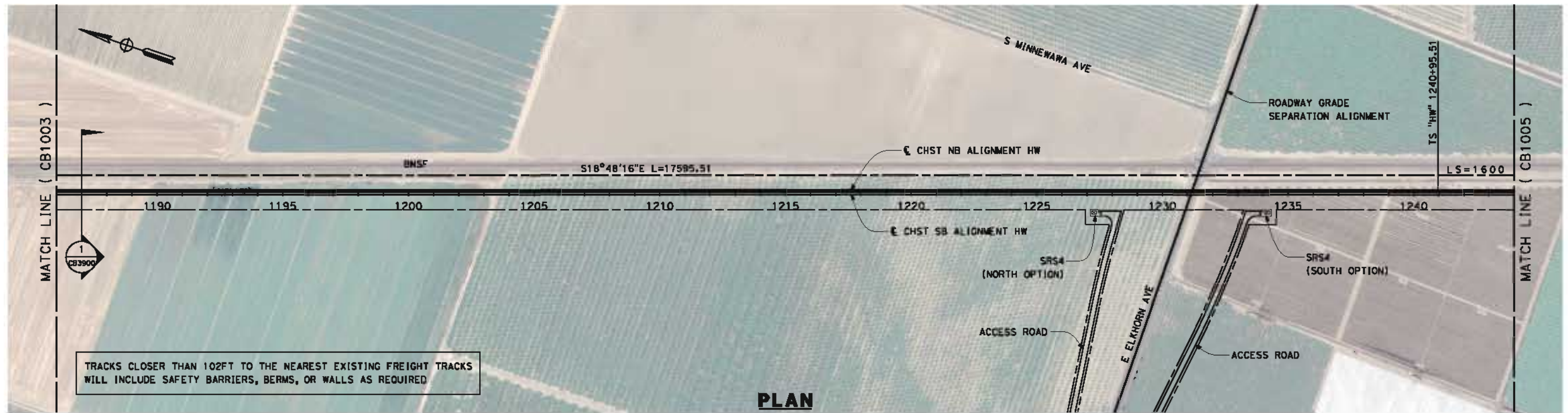
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1128+00 TO 1186+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
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 SCALE
AS SHOWN
 SHEET NO.
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

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DESIGN SUBMISSION**

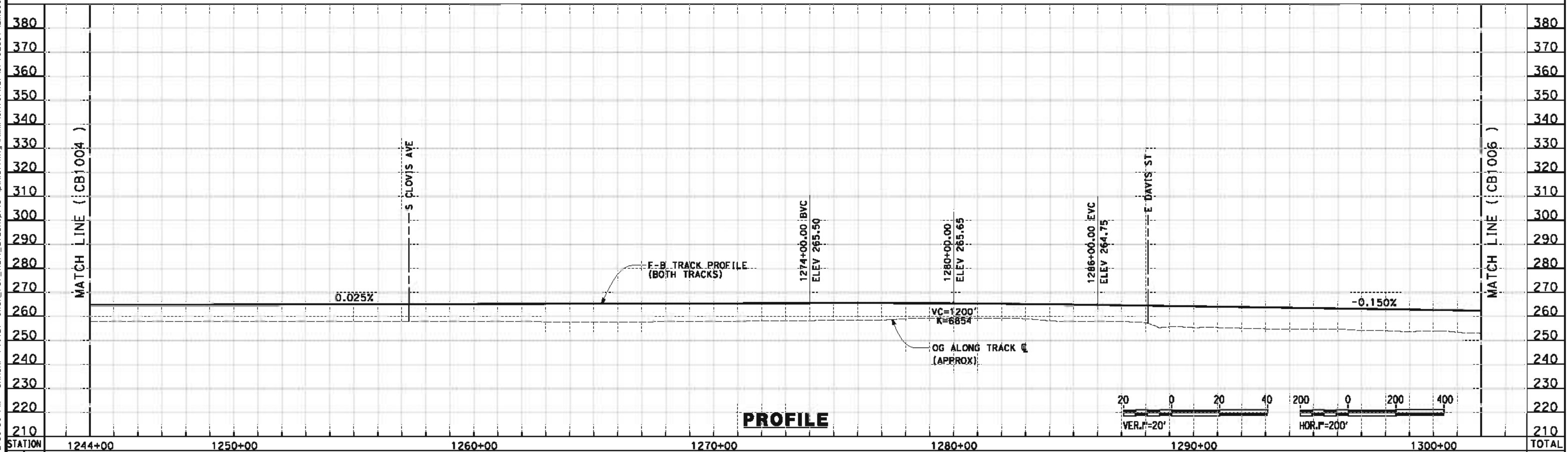
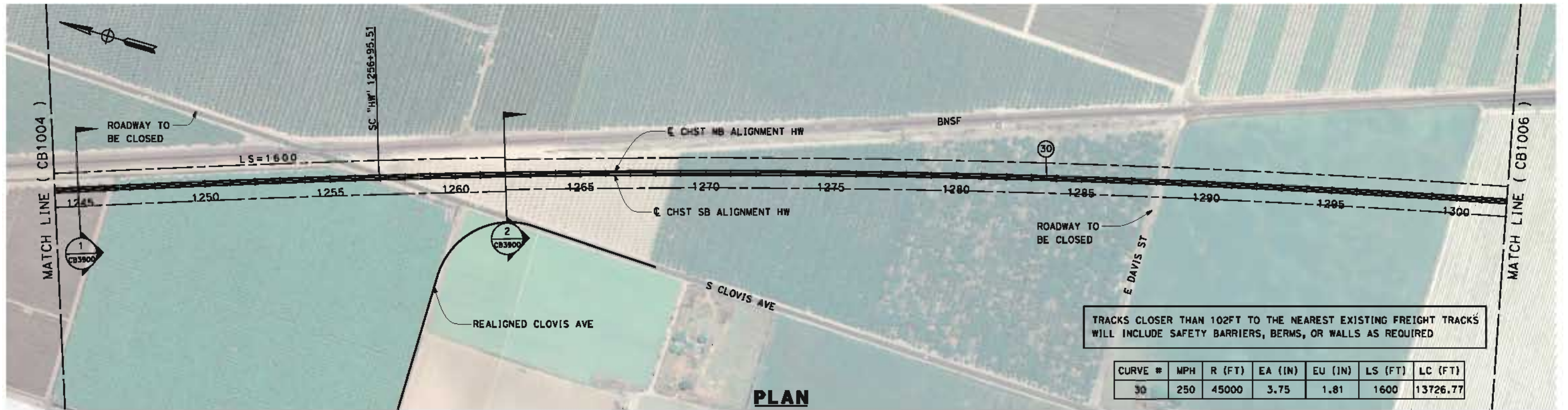
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1186+00 TO 1244+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1004
 SCALE
AS SHOWN
 SHEET NO.
5 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

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DESIGN SUBMISSION**

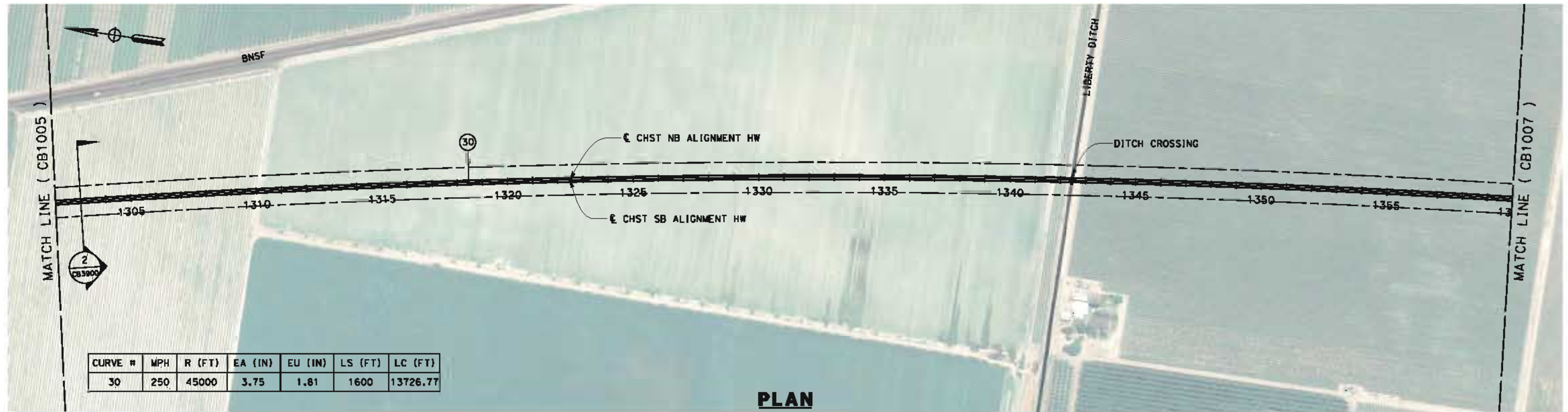
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1244+00 TO 1302+00
 PLAN AND PROFILE

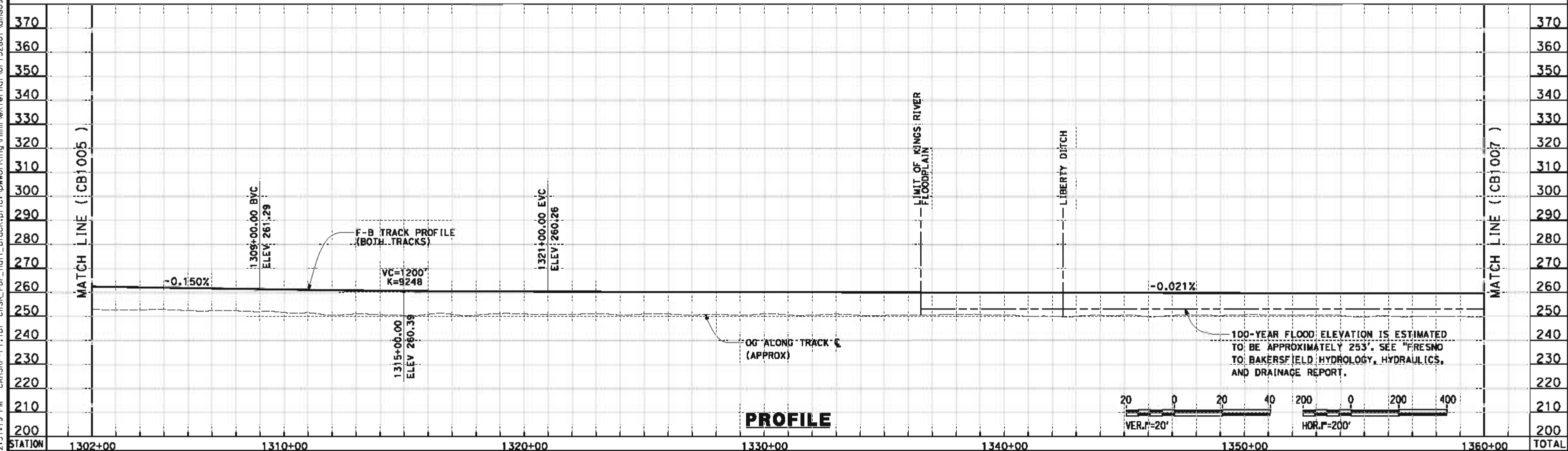
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1005
 SCALE
AS SHOWN
 SHEET NO.
6 OF 42

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
30	250	45000	3.75	1.81	1600	13726.77

PLAN



PROFILE

STATION	1302+00	1310+00	1320+00	1330+00	1340+00	1350+00	1360+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

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DESIGN SUBMISSION**

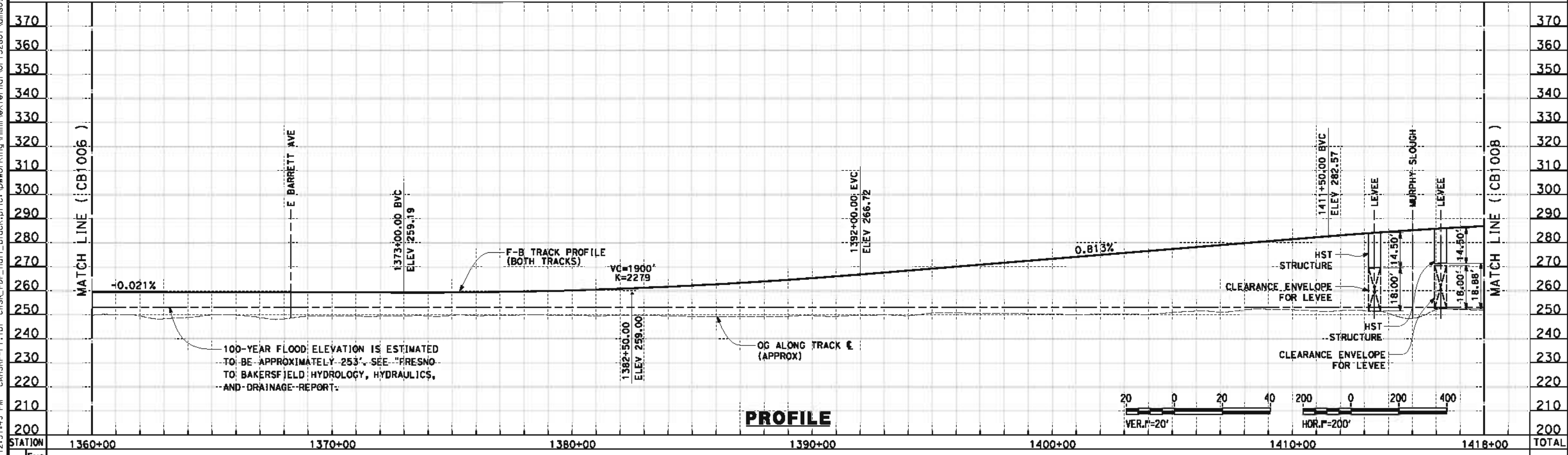
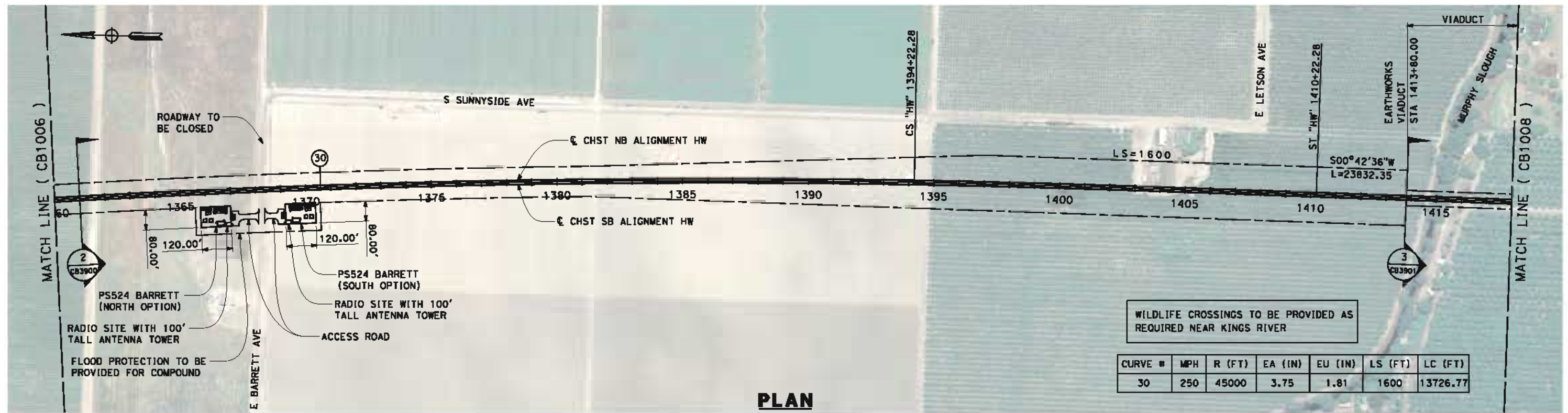
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1302+00 TO 1360+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1006
 SCALE
AS SHOWN
 SHEET NO.
7 OF 42

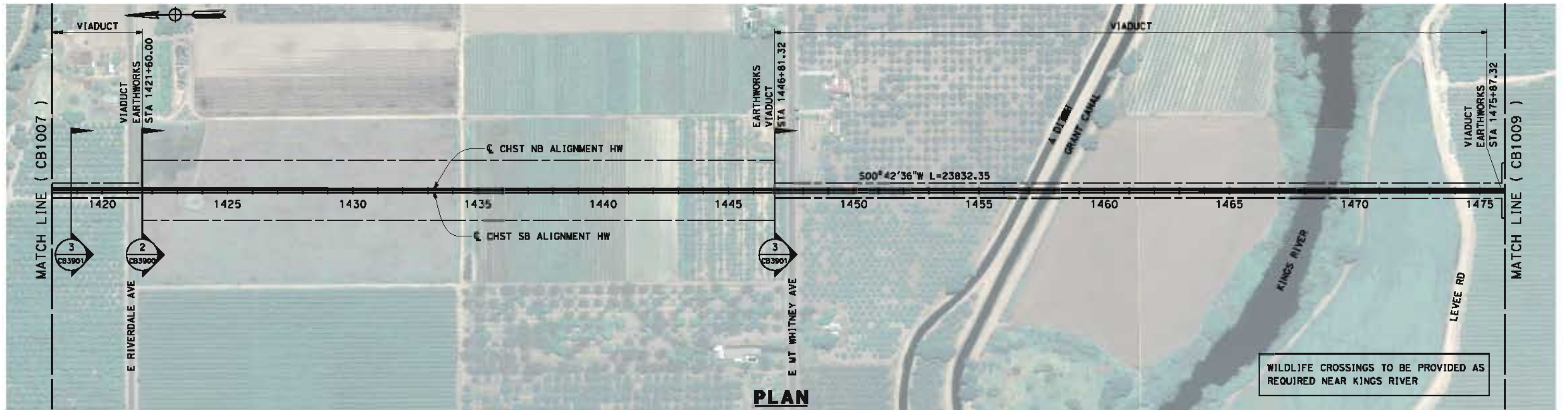
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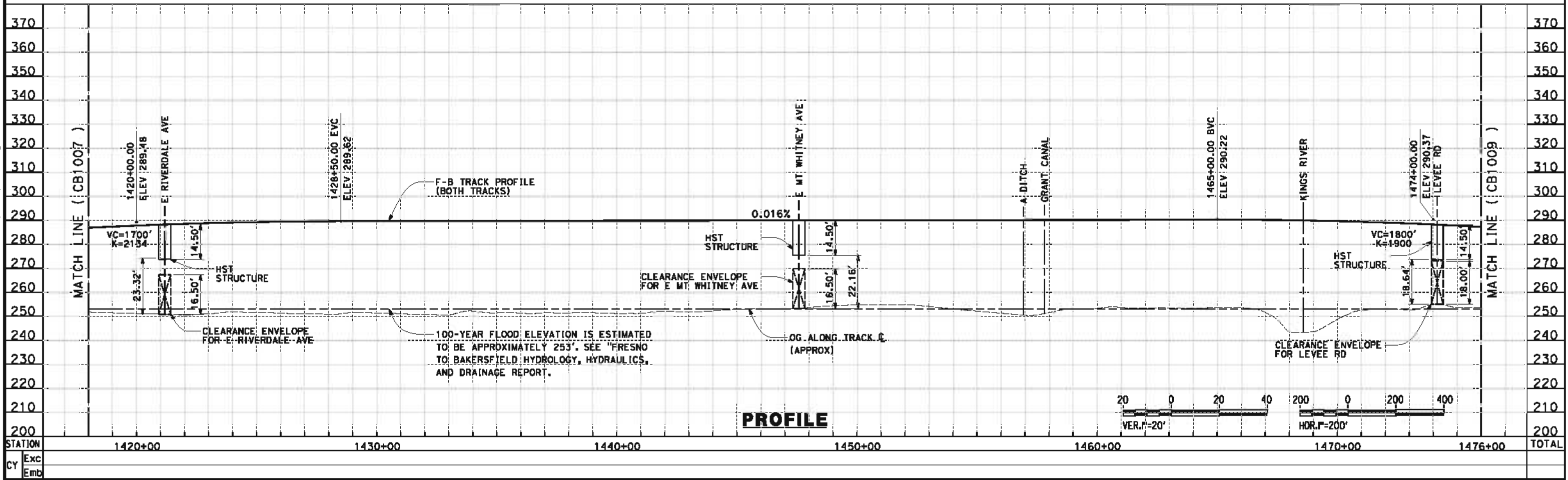
STATION	1360+00	1370+00	1380+00	1390+00	1400+00	1410+00	1418+00	TOTAL
Exc								
Emb								

DESIGNED BY J. BINNING	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD WEST BYPASS SUBSECTION ALIGNMENT HW STA 1360+00 TO 1418+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY V. ORTEGA					DRAWING NO. CB1007
CHECKED BY L. TRUJILLO					SCALE AS SHOWN
IN CHARGE O. EARLE					SHEET NO. 8 OF 42
DATE 05/18/12					

5/17/2012 12:38:06 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\mnm\external\ort+52801\dms09326\FB-CB-1008.dgn



WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED NEAR KINGS RIVER



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

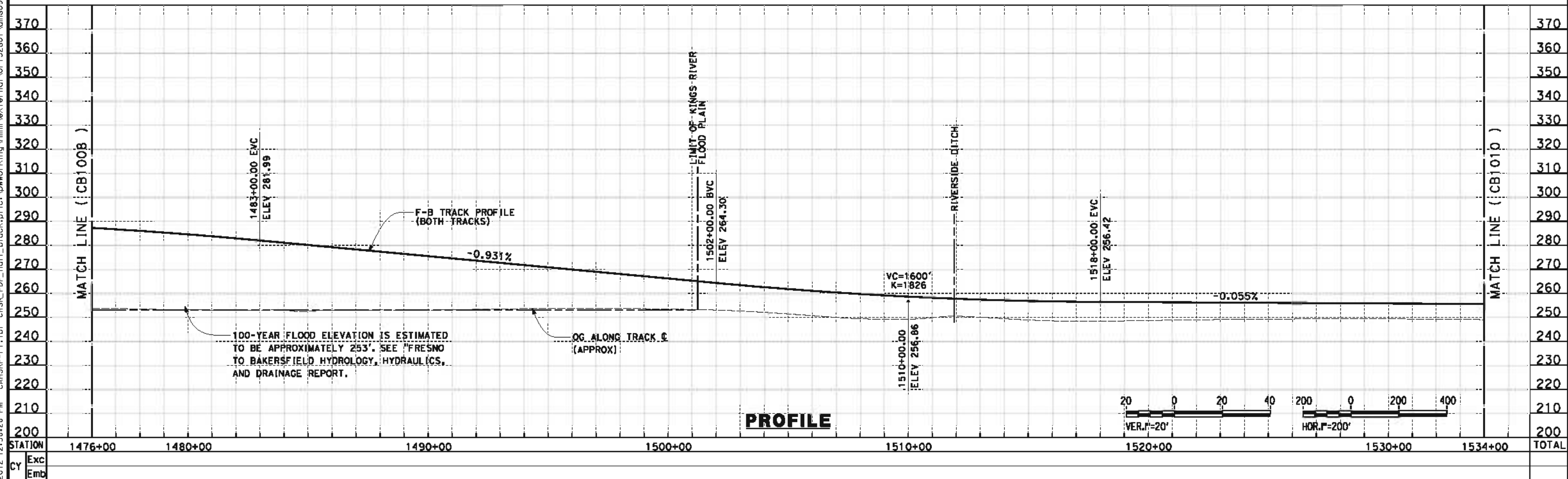
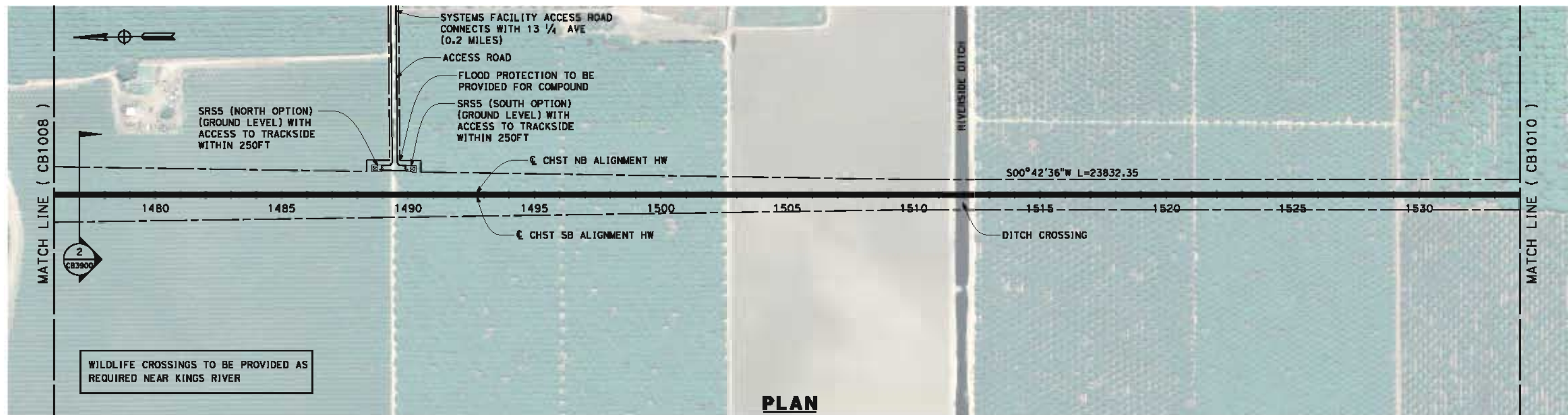
**NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
STA 1418+00 TO 1476+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1008
 SCALE
AS SHOWN
 SHEET NO.
9 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

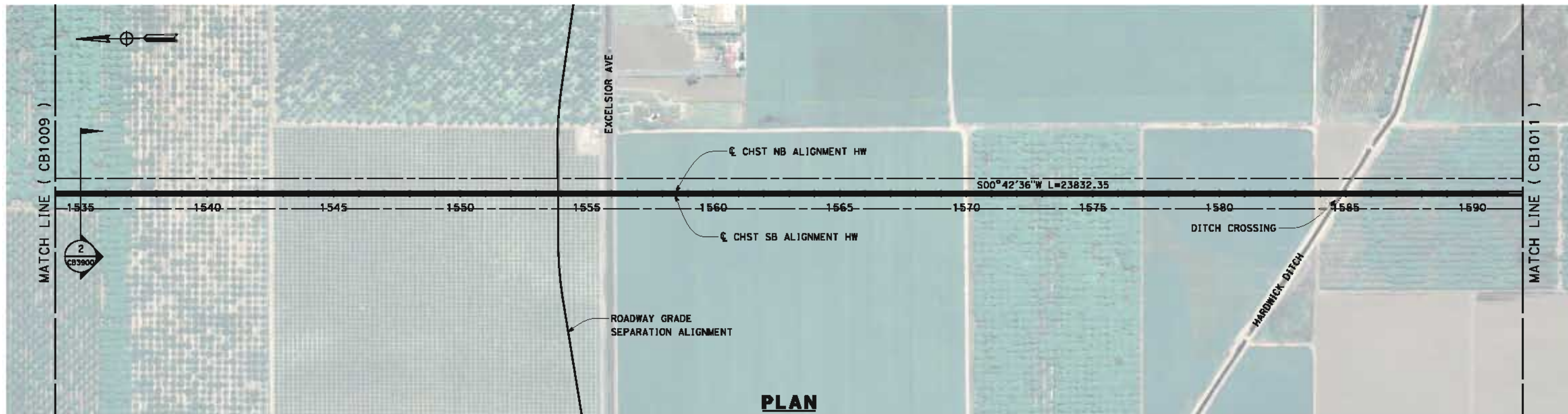
**NOT FOR
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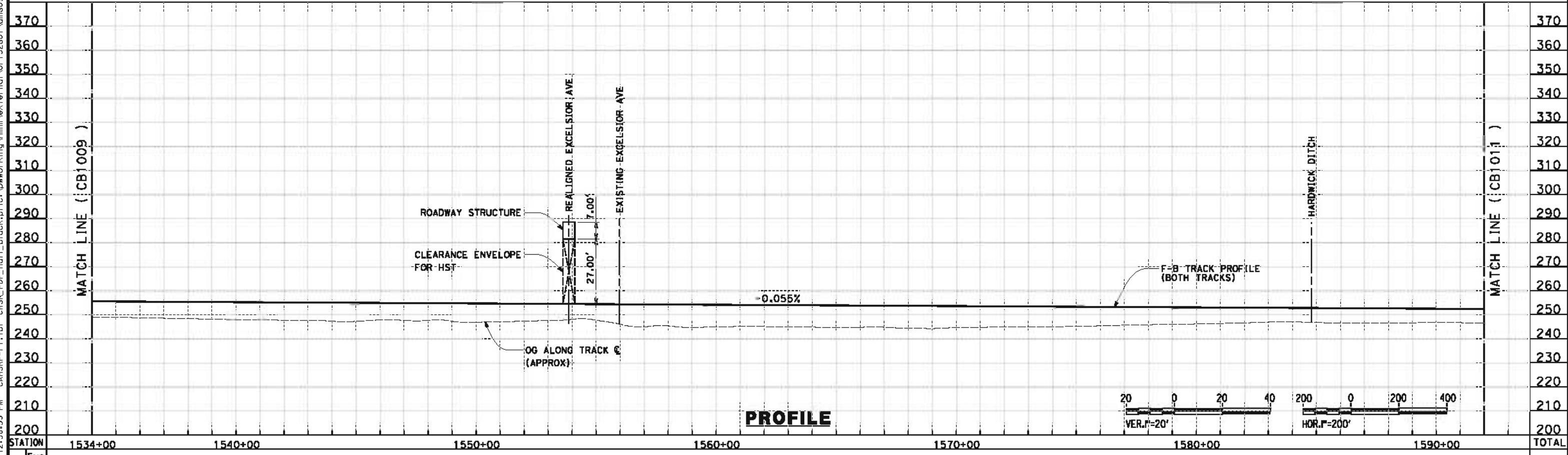
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1476+00 TO 1534+00
 PLAN AND PROFILE**

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1009
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AS SHOWN
 SHEET NO.
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PLAN



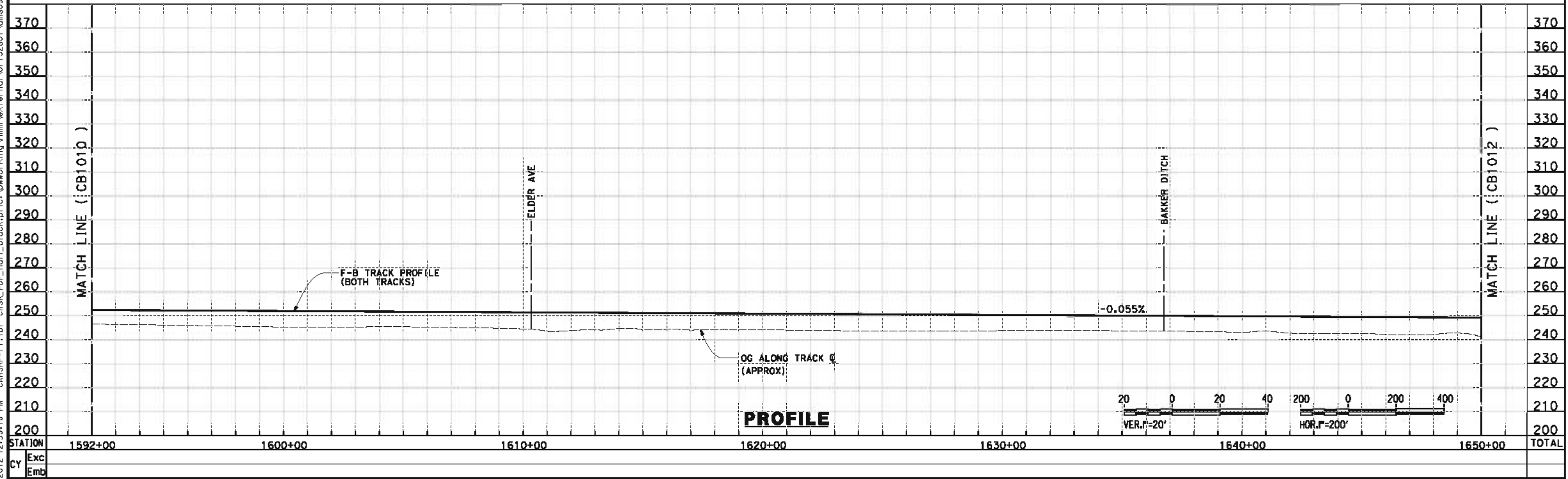
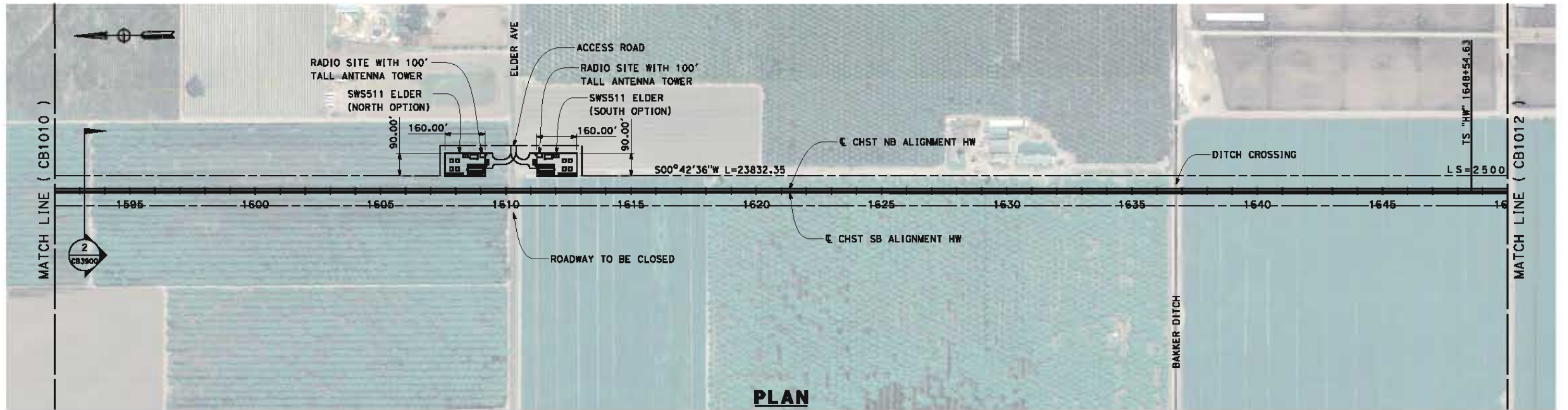
PROFILE

STATION	1534+00	1540+00	1550+00	1560+00	1570+00	1580+00	1590+00	TOTAL
CY	Exc							
	Emb							

DESIGNED BY J. BINNING DRAWN BY V. ORTEGA CHECKED BY L. TRUJILLO IN CHARGE O. EARLE DATE 05/18/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD WEST BYPASS SUBSECTION ALIGNMENT HW STA 1534+00 TO 1592+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB1010 SCALE AS SHOWN SHEET NO. 11 OF 42
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5/17/2012 12:39:18 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\ort+52801\dms09326\FB-CB-1011.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

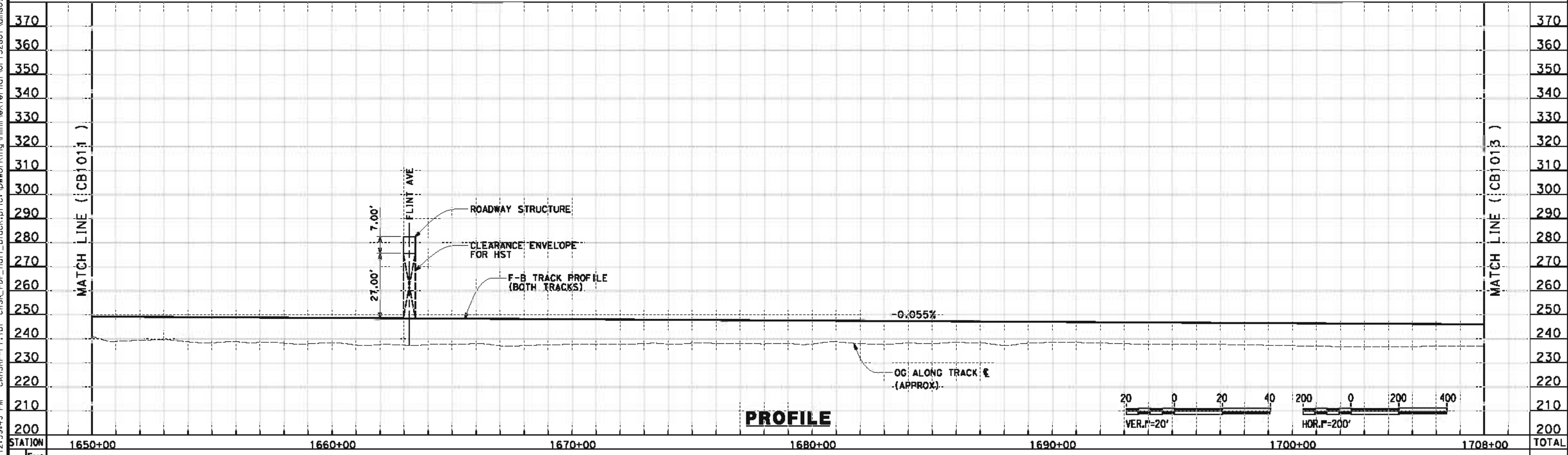
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1592+00 TO 1650+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1011
 SCALE
AS SHOWN
 SHEET NO.
12 OF 42

5/17/2012 12:39:43 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\ort+52801\dms09326\FB-CB-1012.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

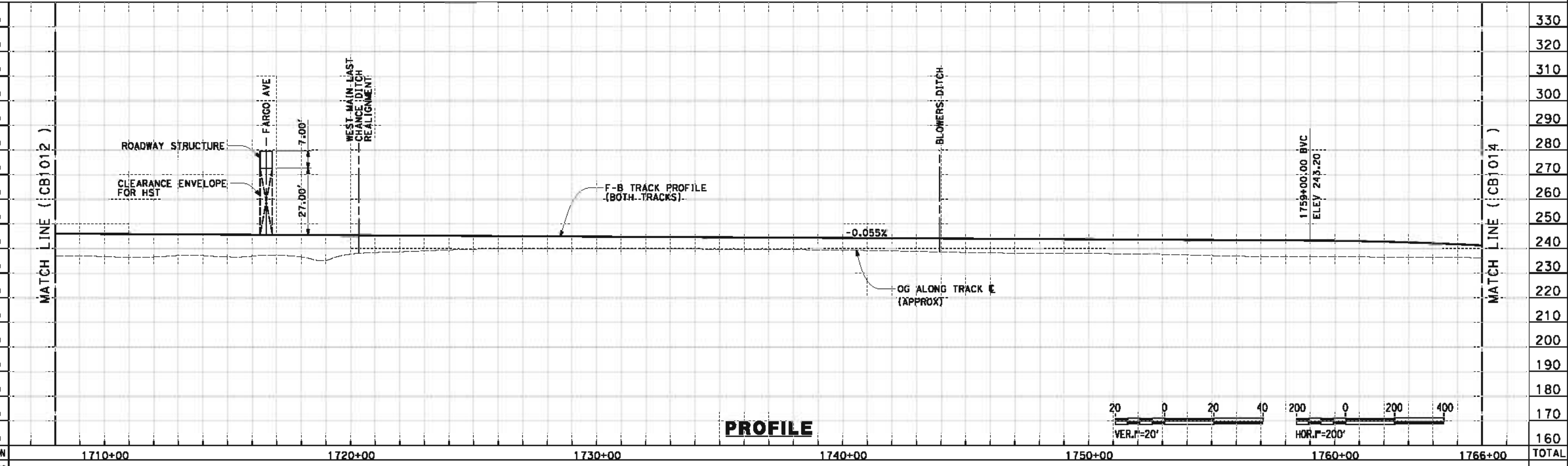
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 STA 1650+00 TO 1708+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1012
 SCALE
AS SHOWN
 SHEET NO.
13 OF 42

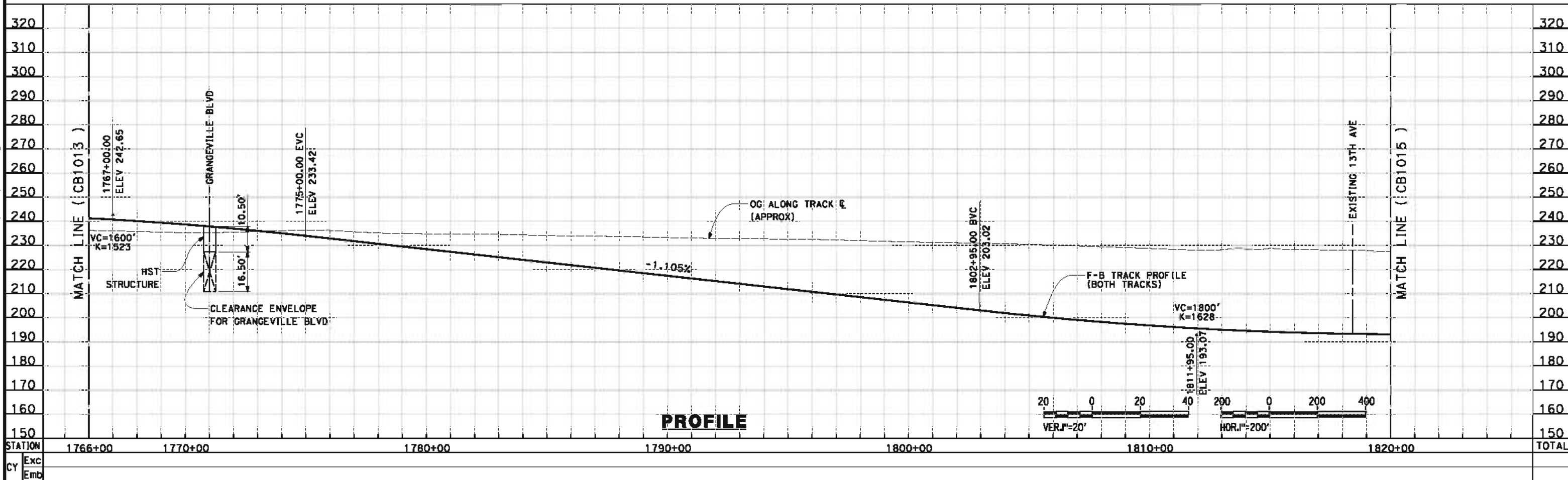
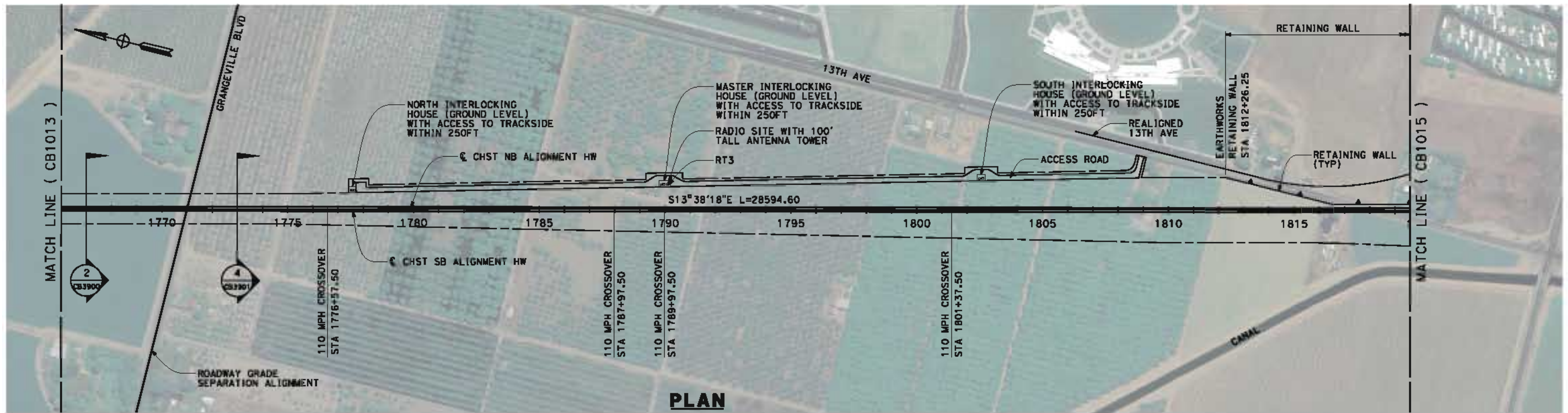
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STATION	1710+00	1720+00	1730+00	1740+00	1750+00	1760+00	1766+00	TOTAL
Exc								
Emb								

DESIGNED BY J. BINNING	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD WEST BYPASS SUBSECTION ALIGNMENT HW (BELOW-GRADE) STA 1708+00 TO 1766+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY V. ORTEGA					DRAWING NO. CB1013
CHECKED BY L. TRUJILLO					SCALE AS SHOWN
IN CHARGE O. EARLE					SHEET NO. 14 OF 42
DATE 05/18/12					

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

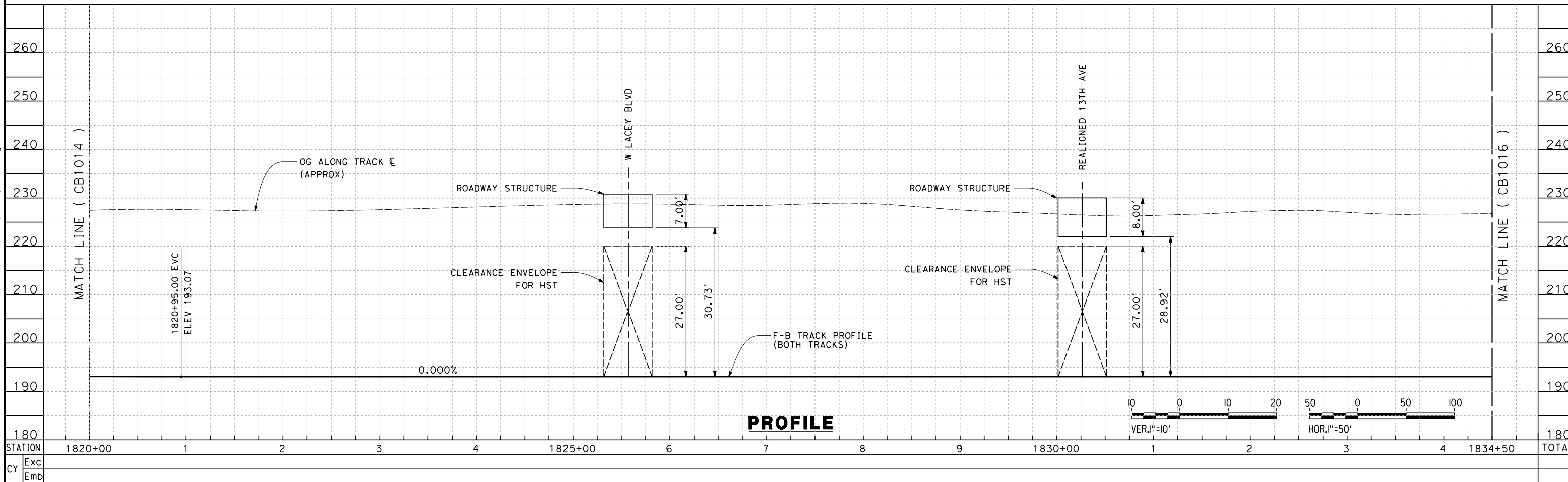
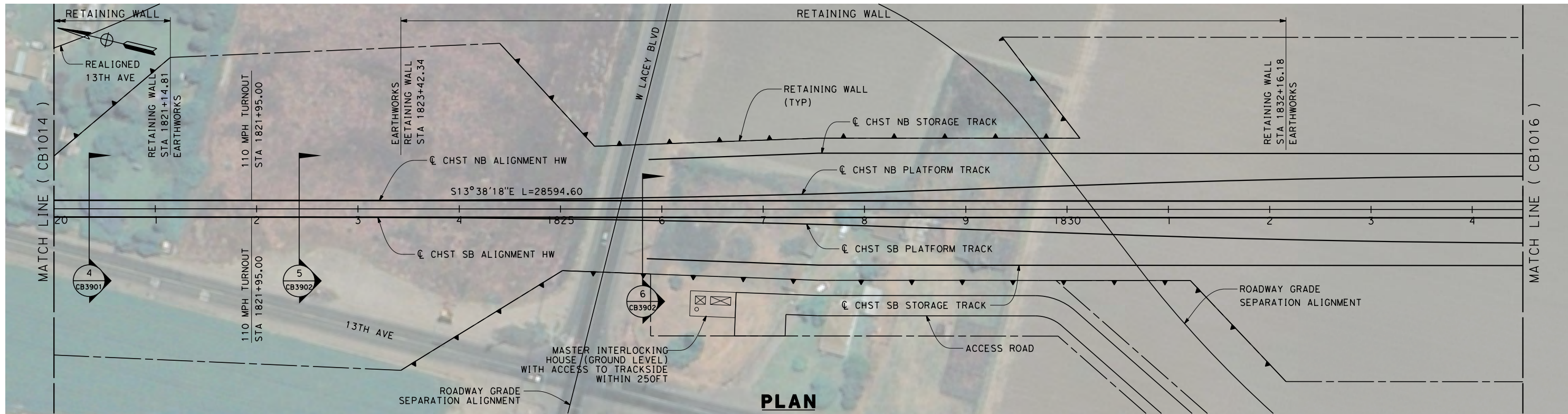
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (BELOW-GRADE)
 STA 1766+00 TO 1820+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1014
 SCALE
AS SHOWN
 SHEET NO.
15 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (BELOW-GRADE)
STA 1820+00 TO 1834+50
PLAN AND PROFILE

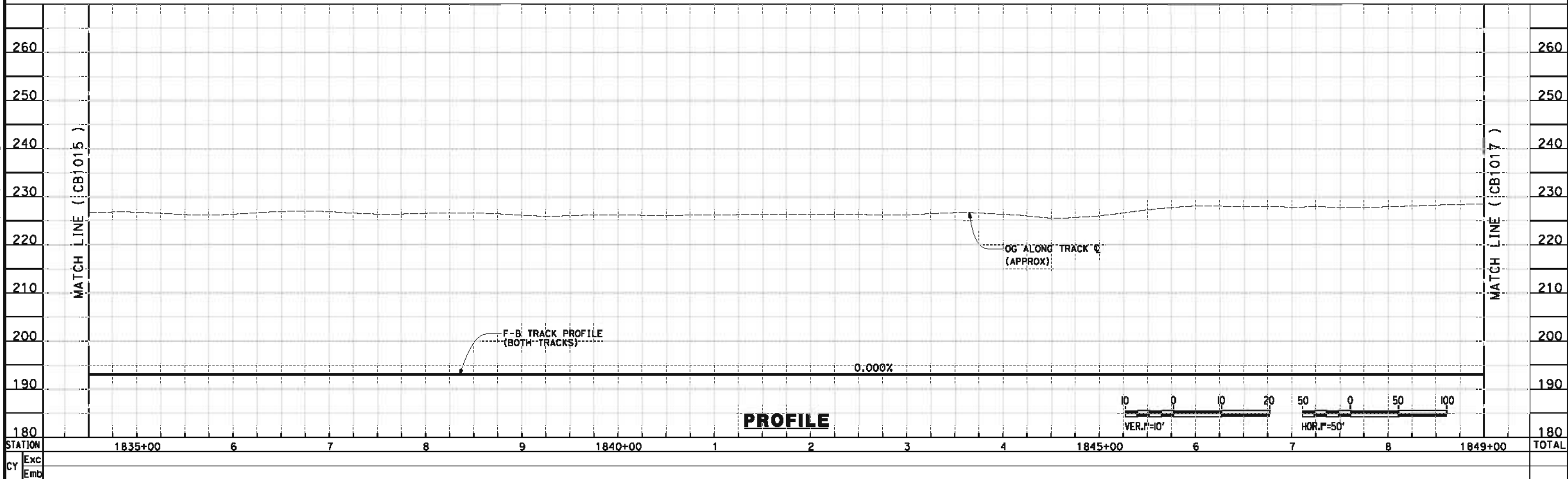
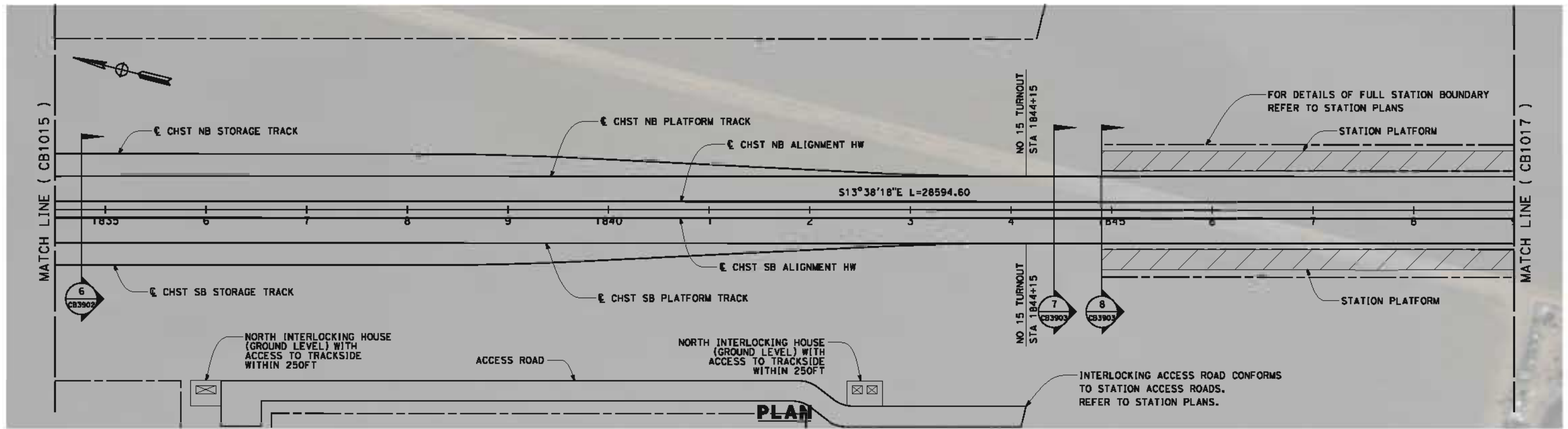
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1015

SCALE
AS SHOWN

SHEET NO.
16 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (BELOW-GRADE)
STA 1834+50 TO 1849+00
PLAN AND PROFILE

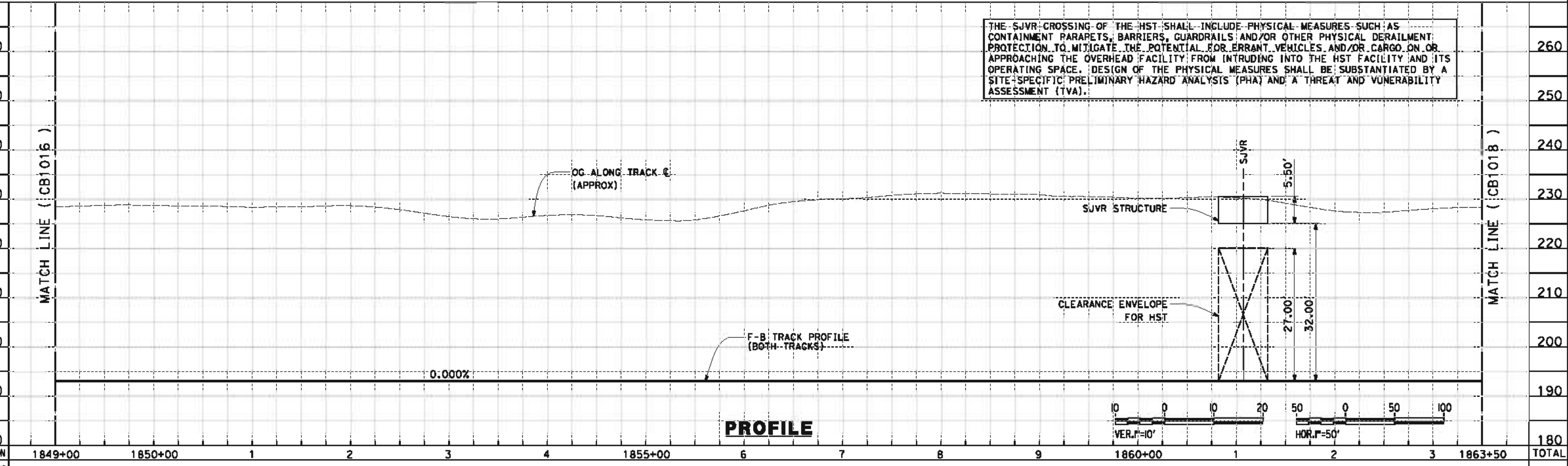
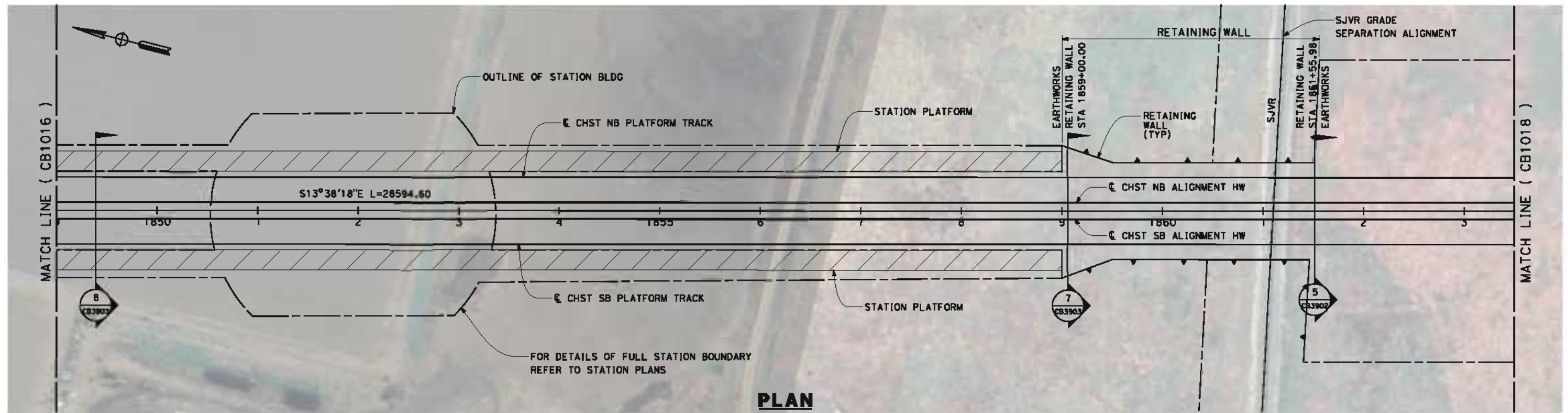
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1016

SCALE
AS SHOWN

SHEET NO.
17 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

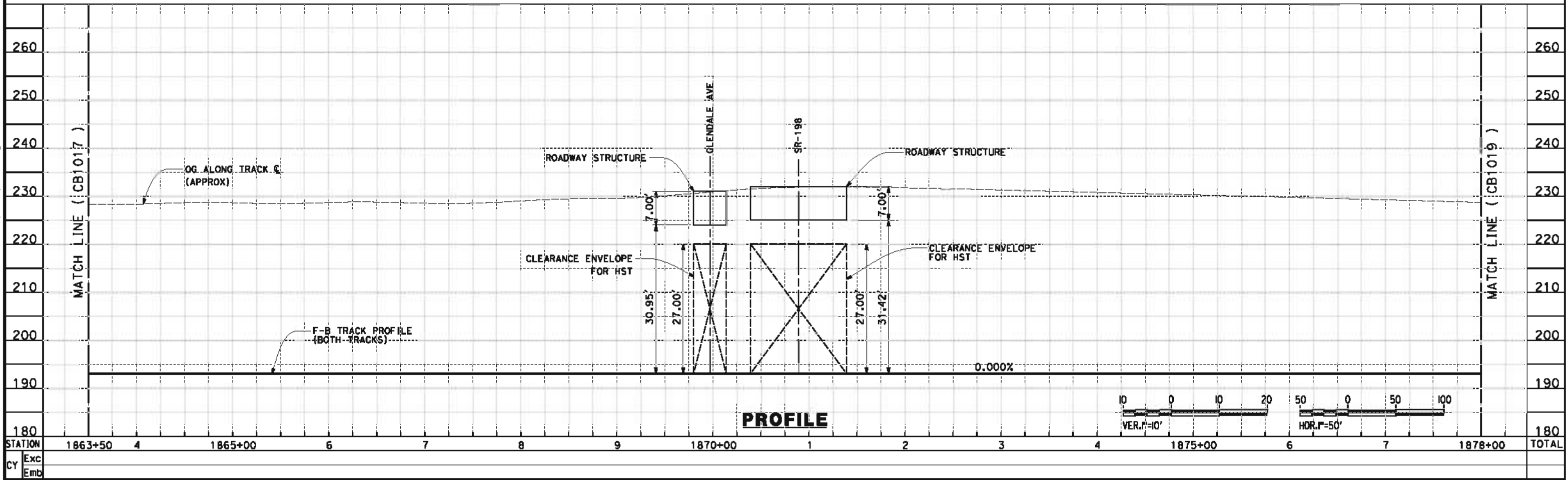
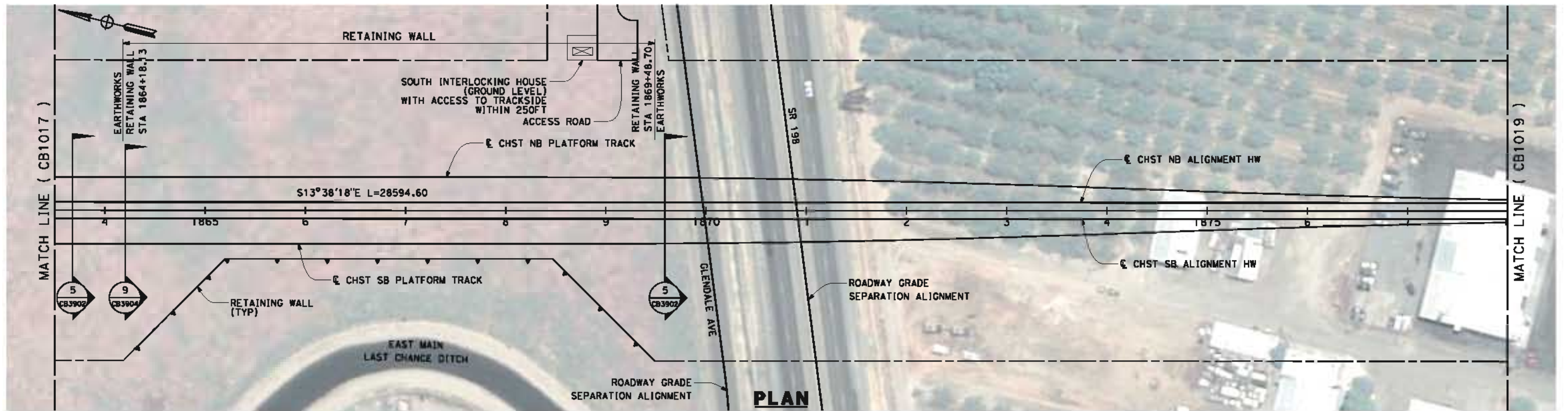
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (BELOW-GRADE)
STA 1849+00 TO 1863+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1017
SCALE
AS SHOWN
SHEET NO.
18 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

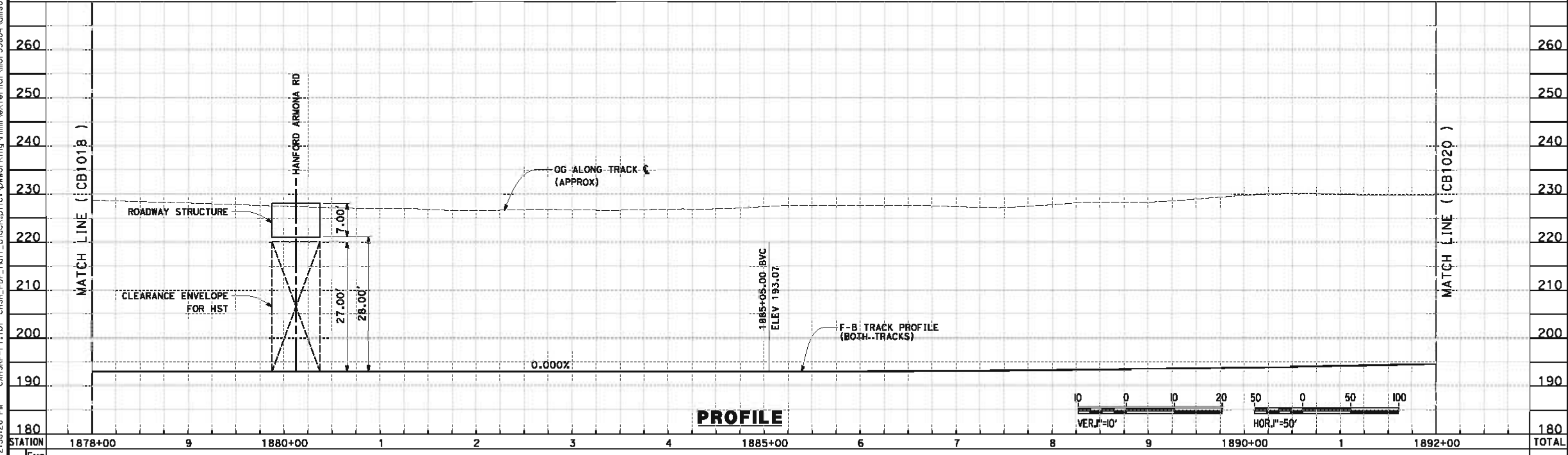
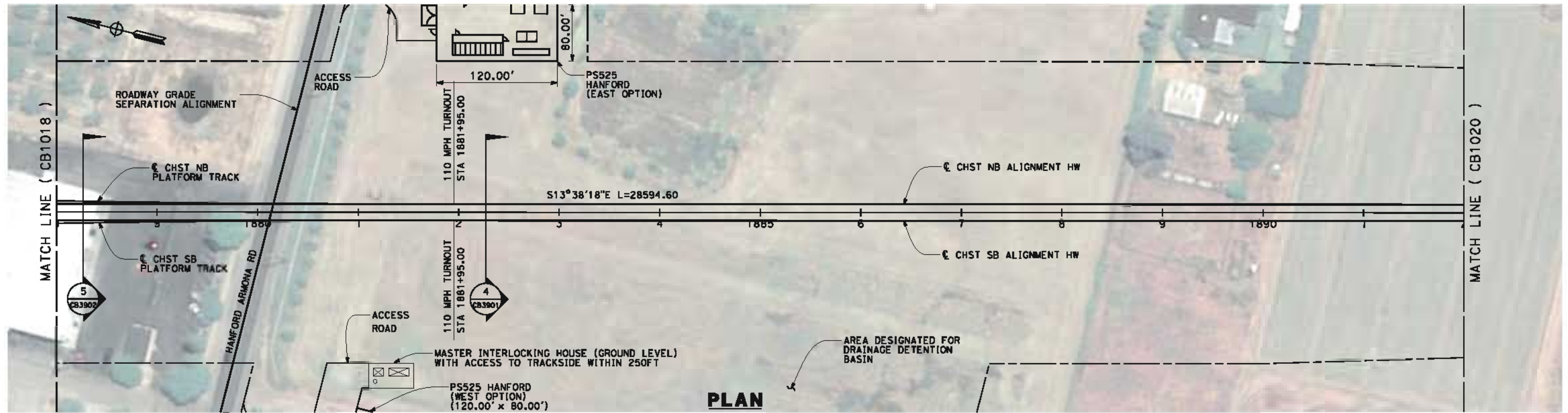
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (BELOW-GRADE)
 STA 1863+50 TO 1878+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1018
 SCALE
AS SHOWN
 SHEET NO.
19 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

DRAWN BY
V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



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

**HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (BELOW-GRADE)
STA 1878+00 TO 1892+00
PLAN AND PROFILE**

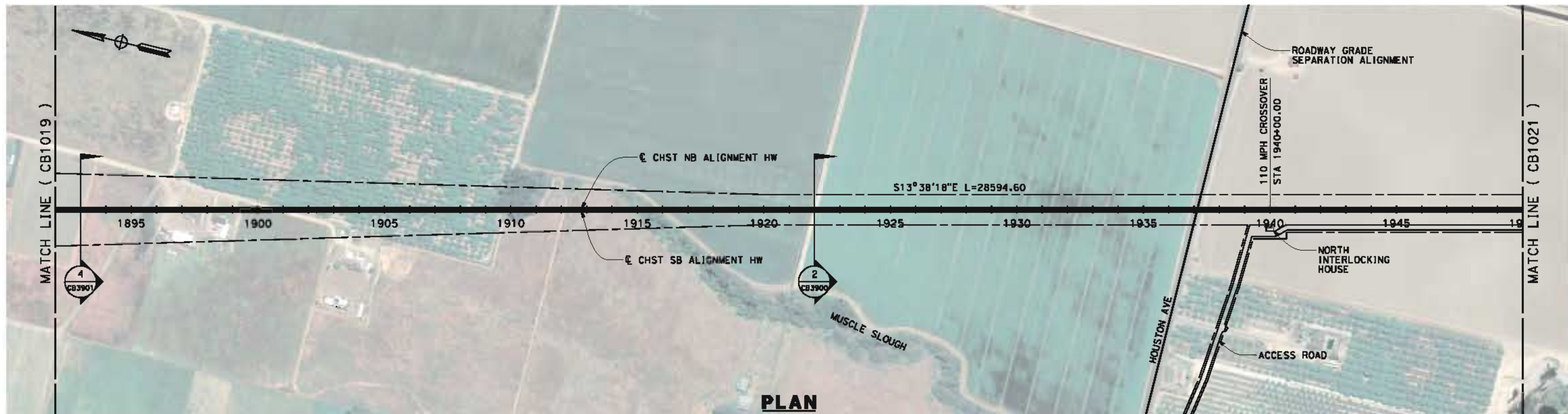
CONTRACT NO.
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DRAWING NO.
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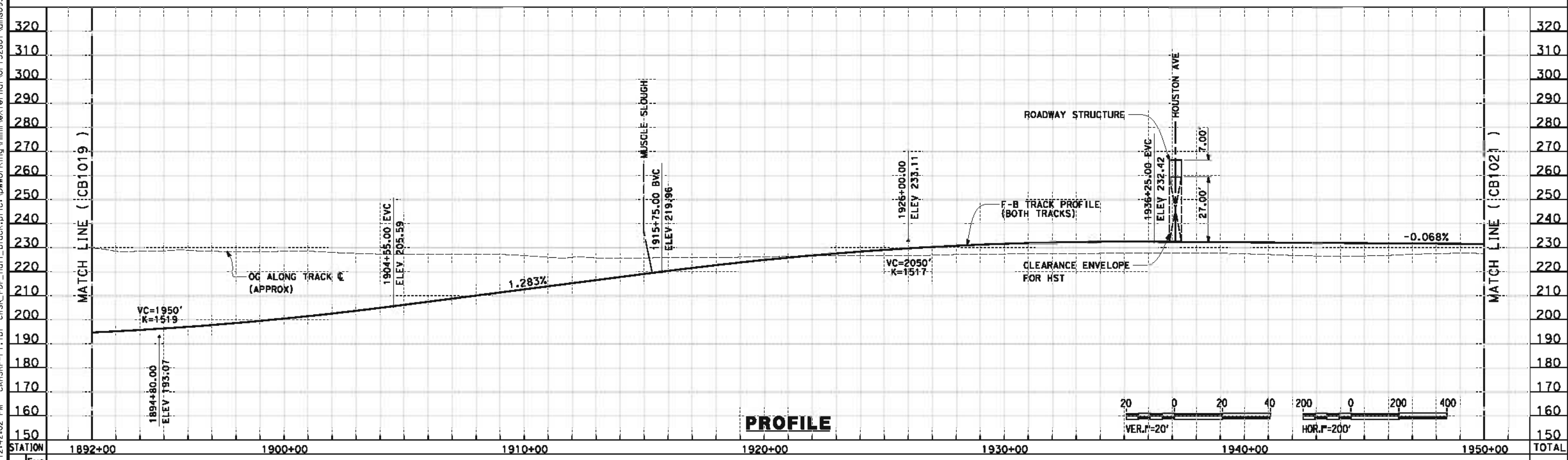
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SHEET NO.
20 OF 42

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PLAN



PROFILE

STATION	1892+00	1900+00	1910+00	1920+00	1930+00	1940+00	1950+00	TOTAL
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CY	Exc	Emb																	
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DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

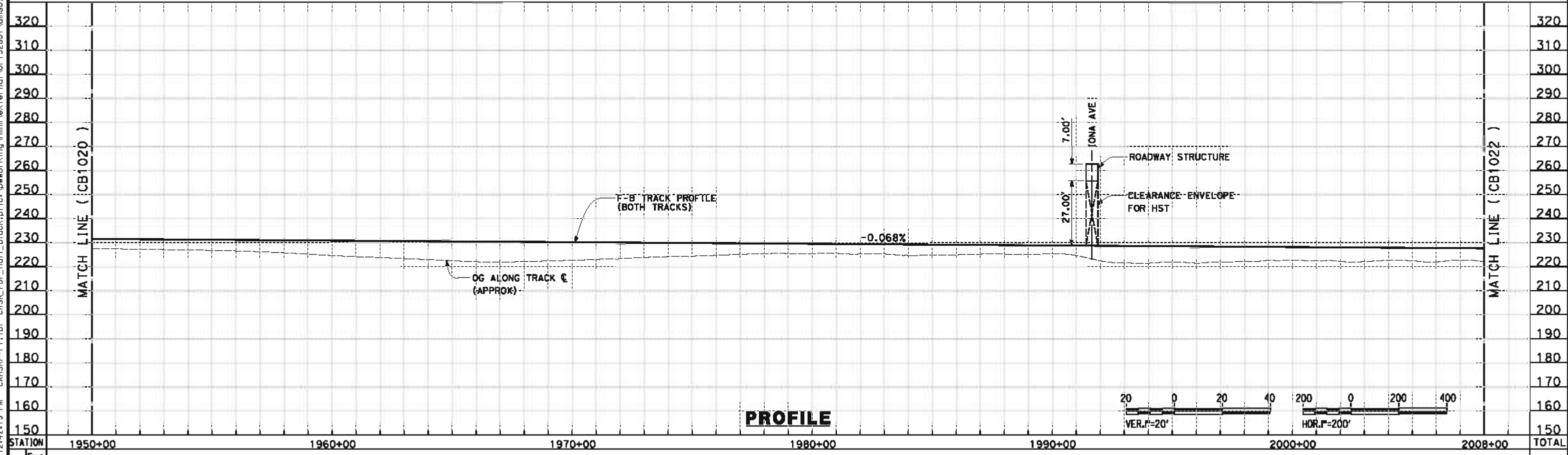
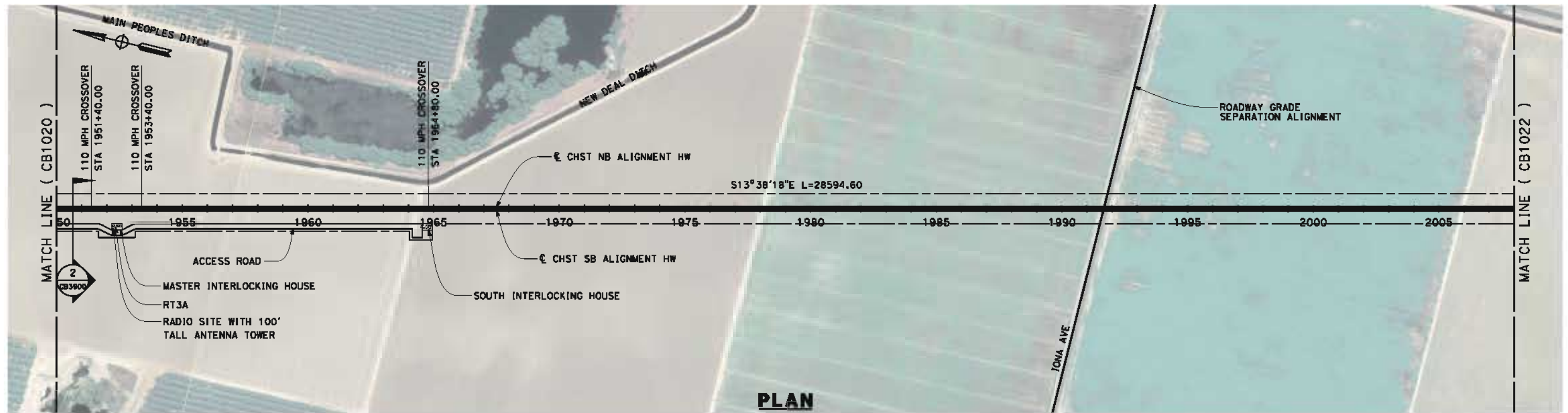
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (BELOW-GRADE)
 STA 1892+00 TO 1950+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1020
 SCALE
AS SHOWN
 SHEET NO.
21 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

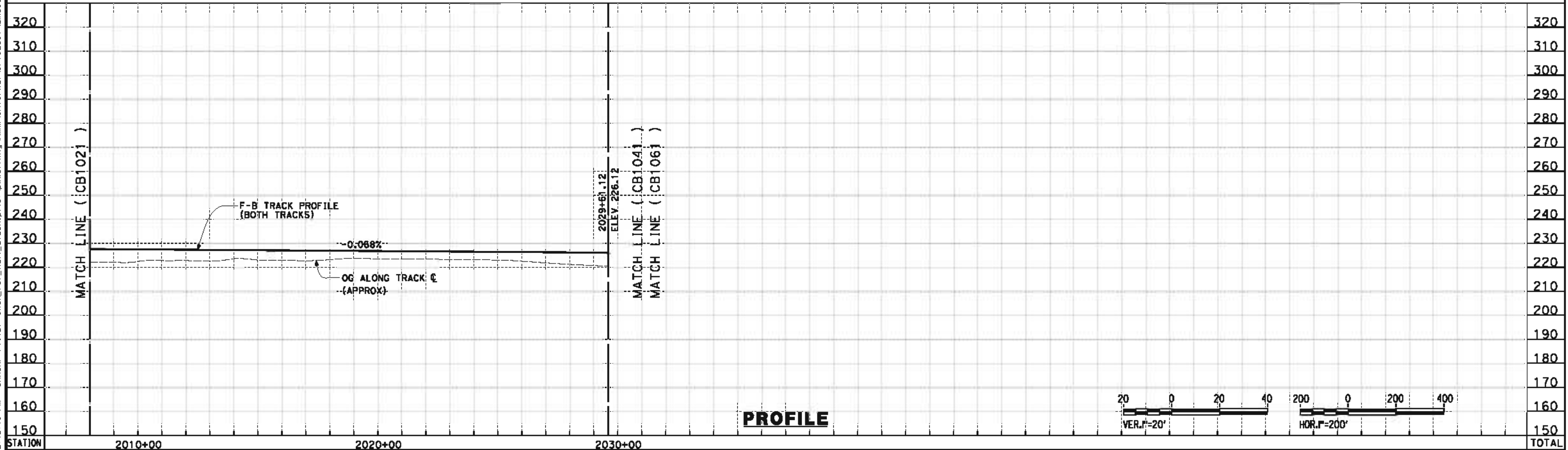
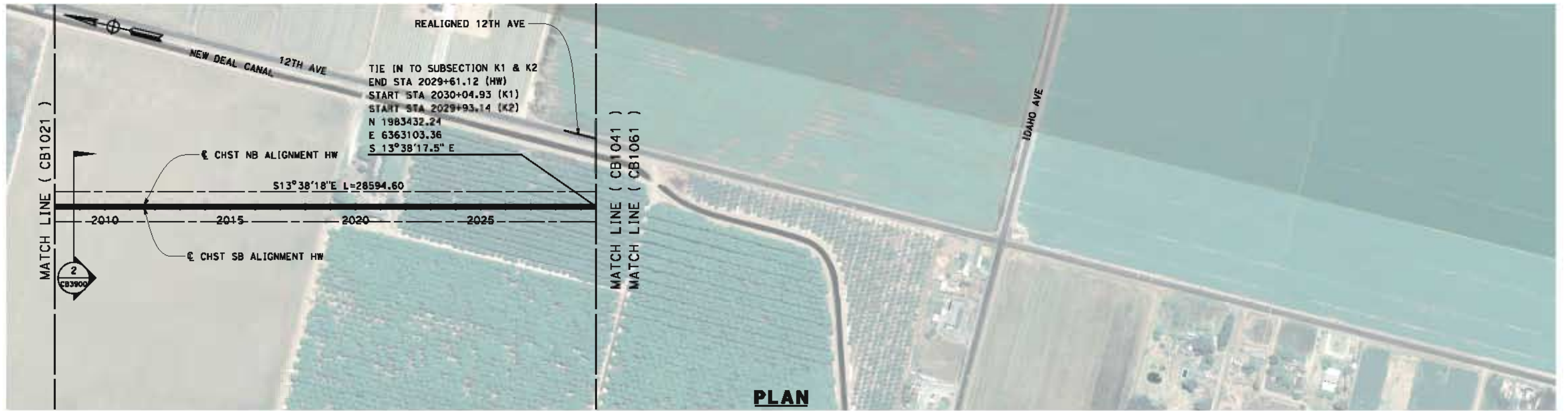
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (BELOW-GRADE)
 STA 1950+00 TO 2008+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1021
 SCALE
AS SHOWN
 SHEET NO.
22 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

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V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

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DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
STA 2008+00 TO 2029+61
PLAN AND PROFILE**

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1022

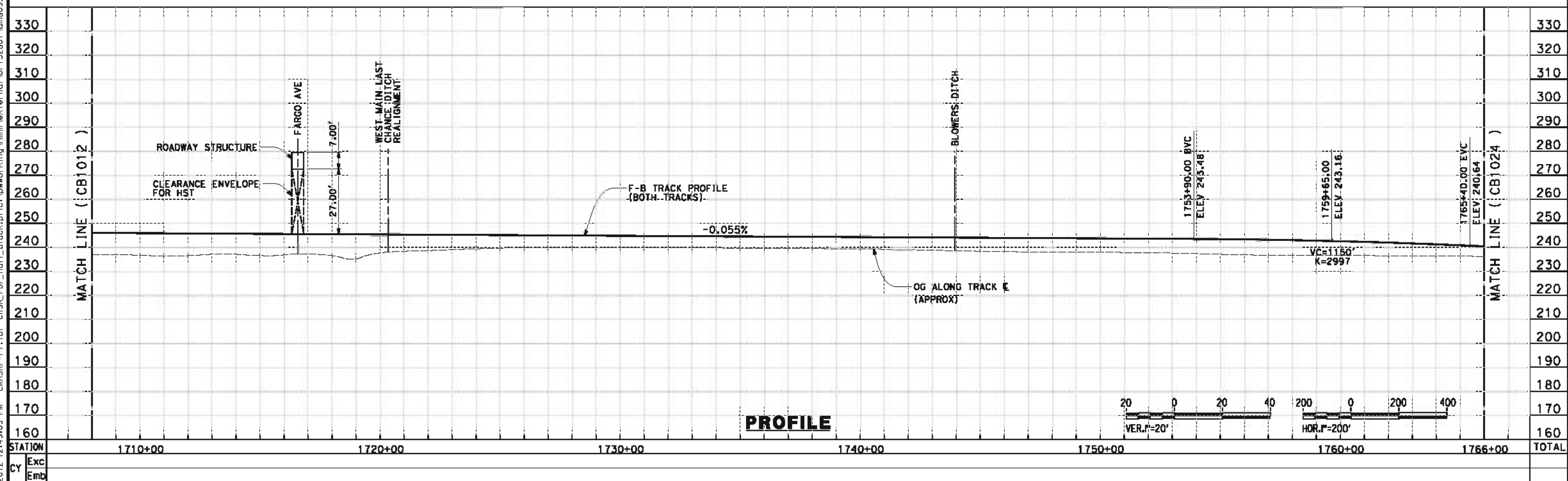
SCALE
AS SHOWN

SHEET NO.
23 OF 42

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

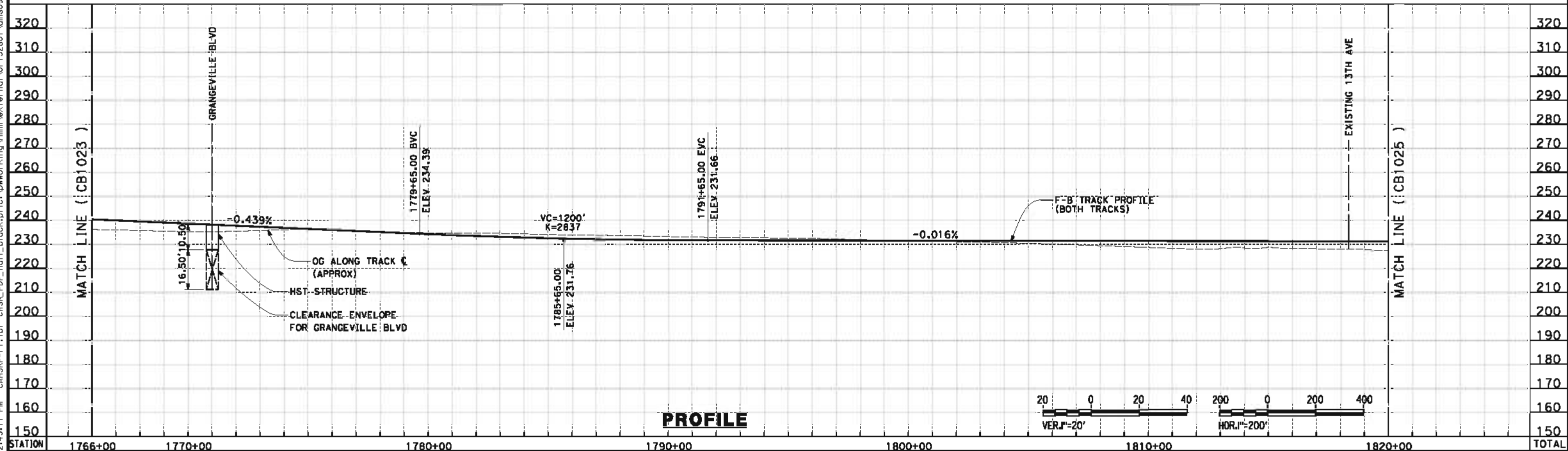
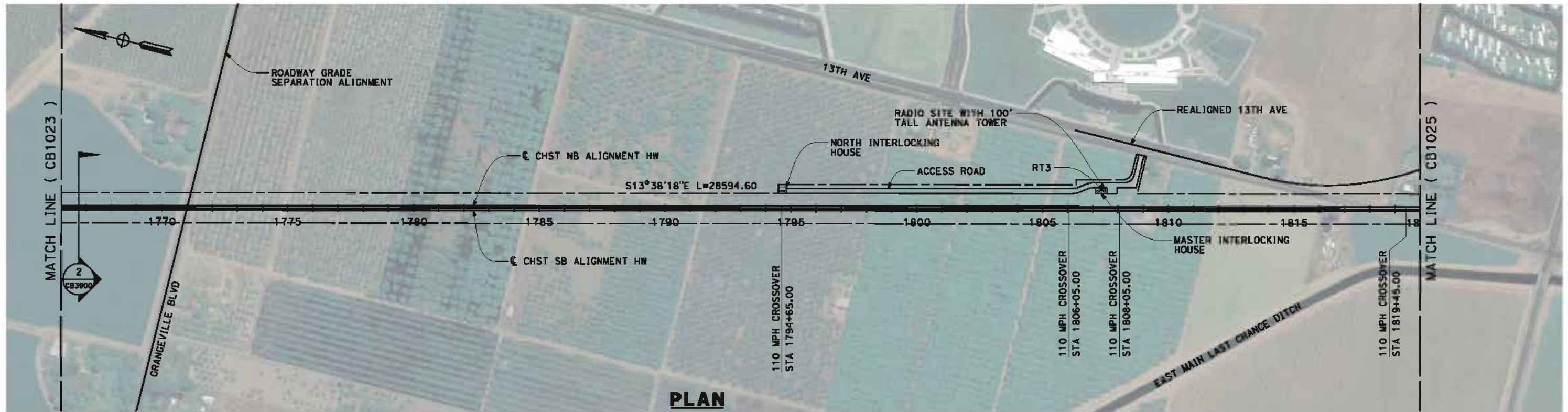
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1708+00 TO 1766+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1023
 SCALE
AS SHOWN
 SHEET NO.
24 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

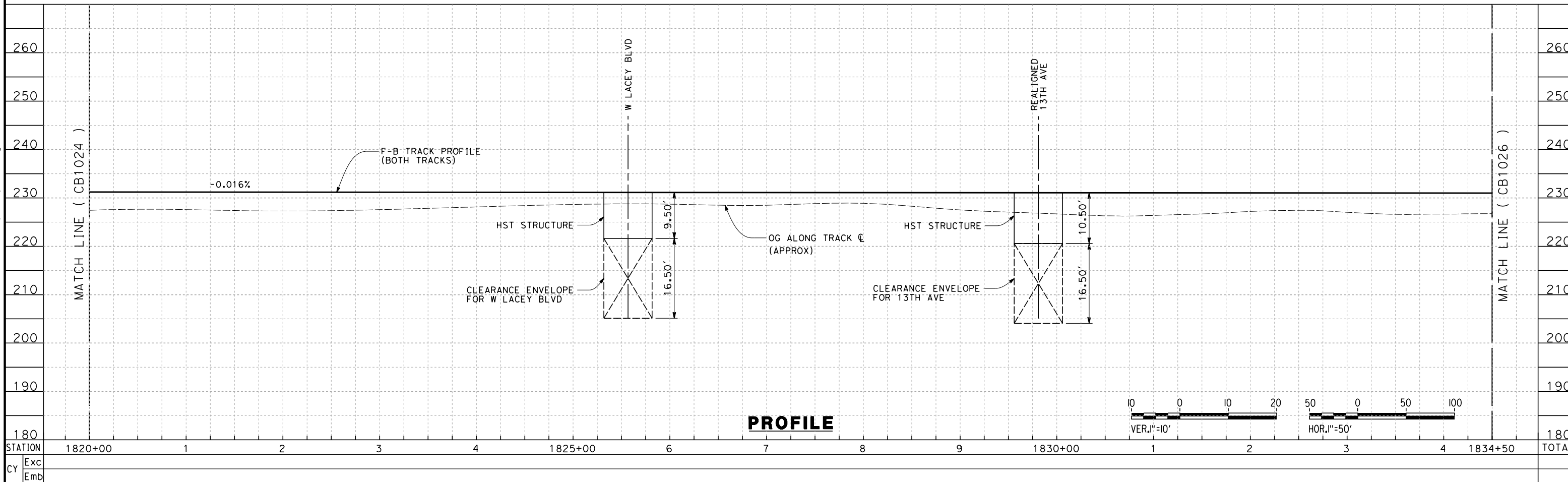
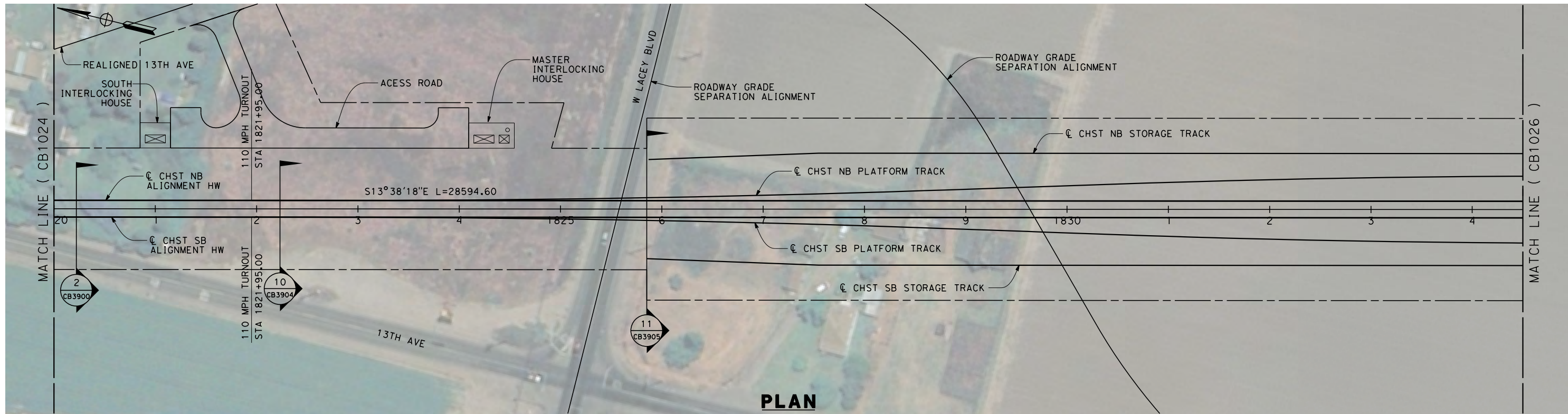
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1766+00 TO 1820+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1024
 SCALE
AS SHOWN
 SHEET NO.
25 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

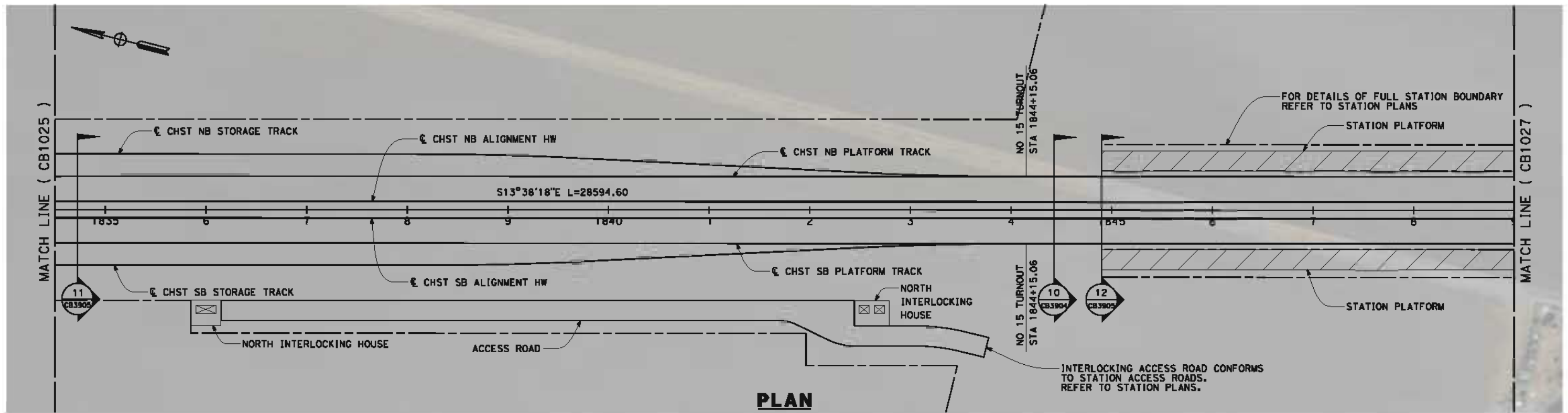
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 CONSTRUCTION**



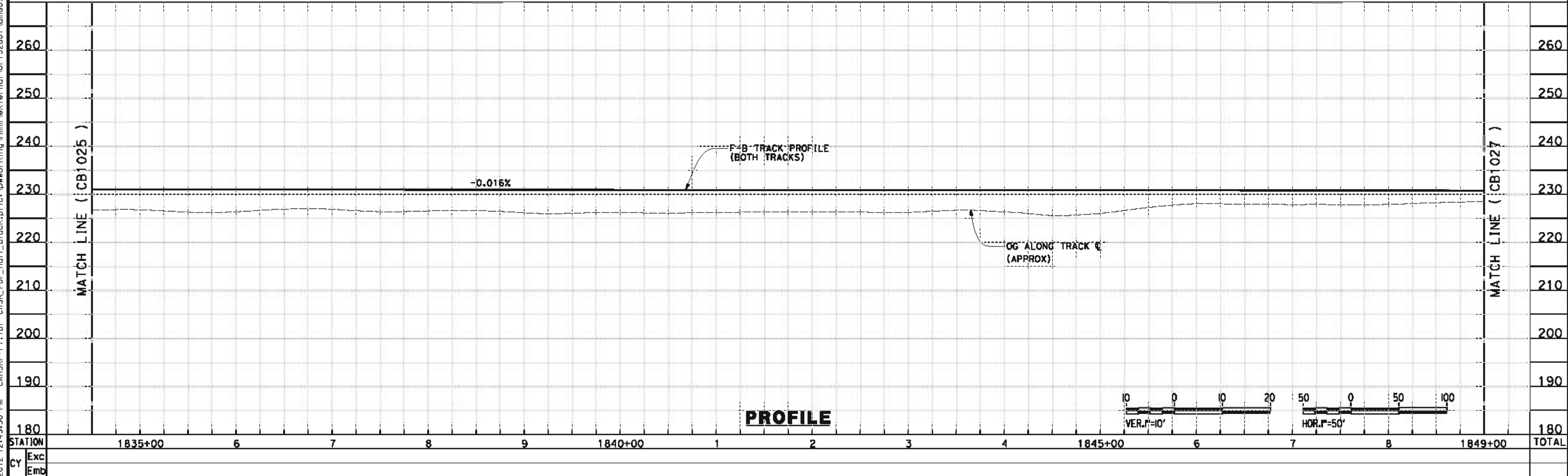
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1820+00 TO 1834+50
 PLAN AND PROFILE

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB1025
 SCALE
 AS SHOWN
 SHEET NO.
 26 OF 42

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (AT-GRADE)
STA 1834+50 TO 1849+00
PLAN AND PROFILE

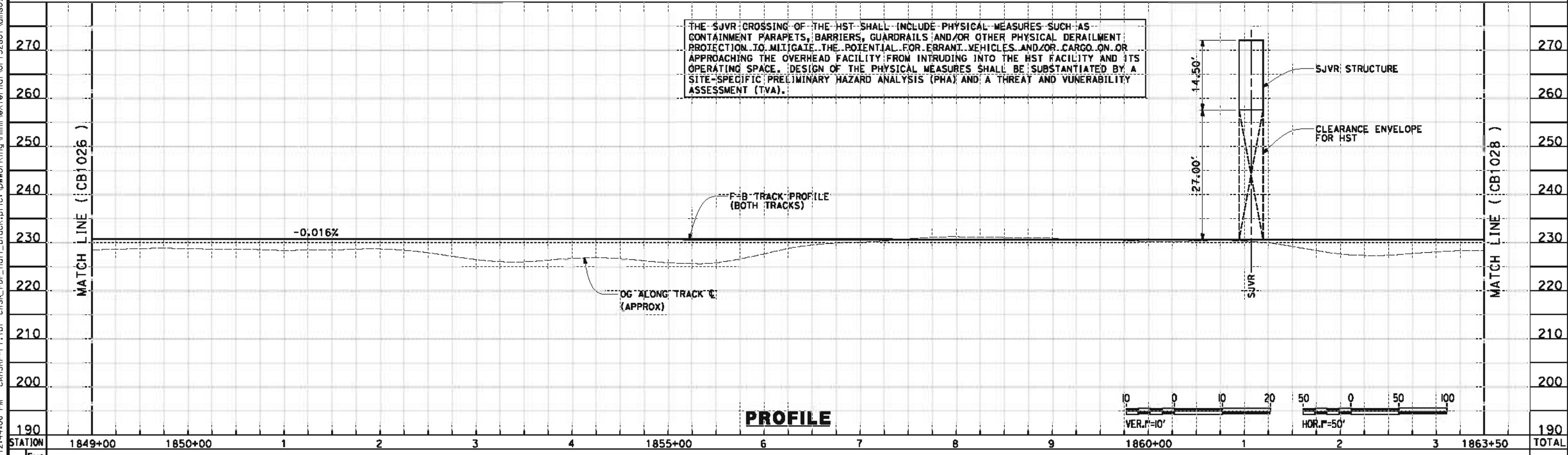
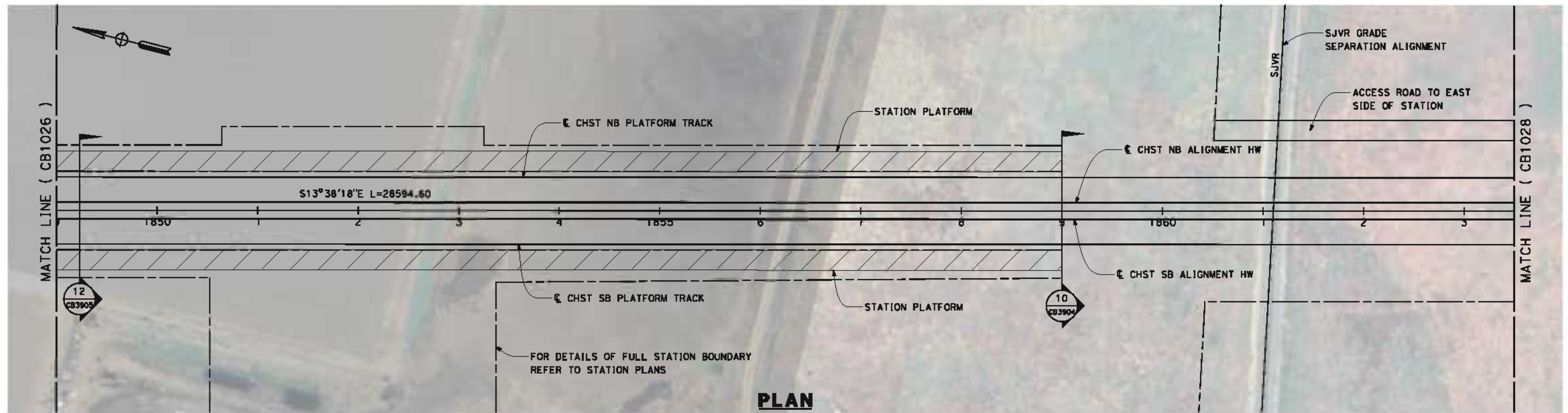
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1026

SCALE
AS SHOWN

SHEET NO.
27 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

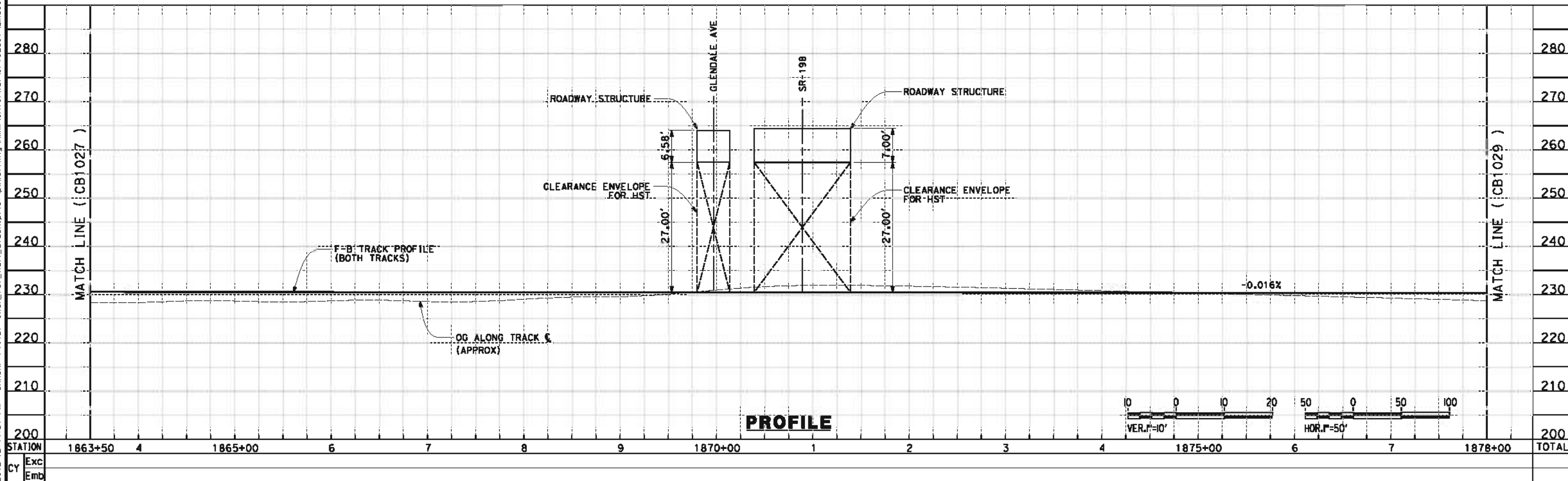
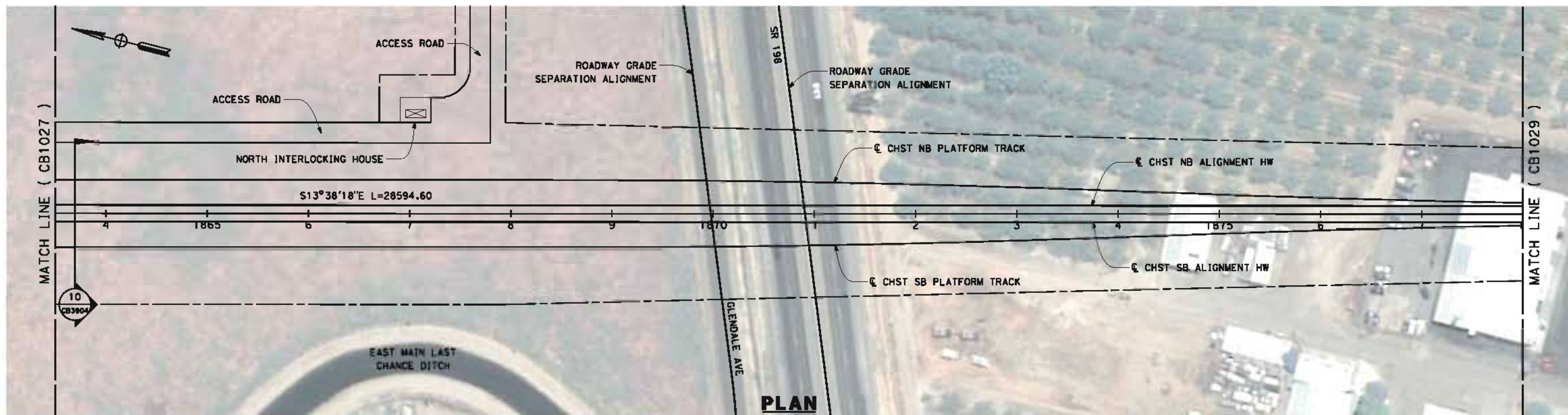
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1849+00 TO 1863+50
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1027
 SCALE
AS SHOWN
 SHEET NO.
28 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

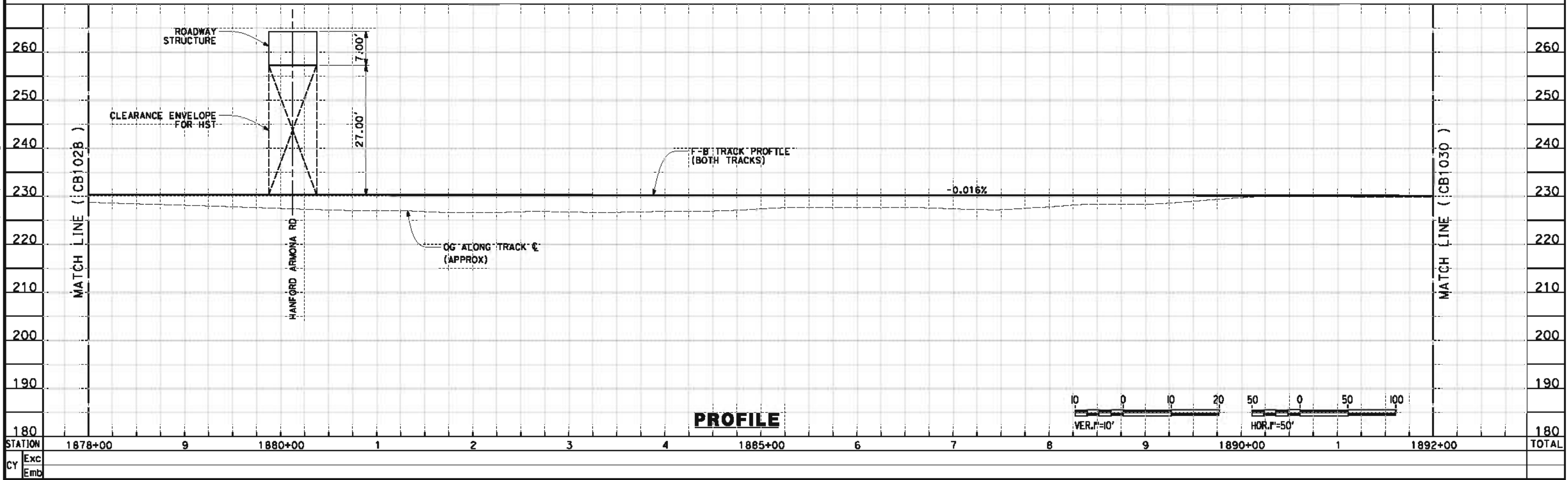
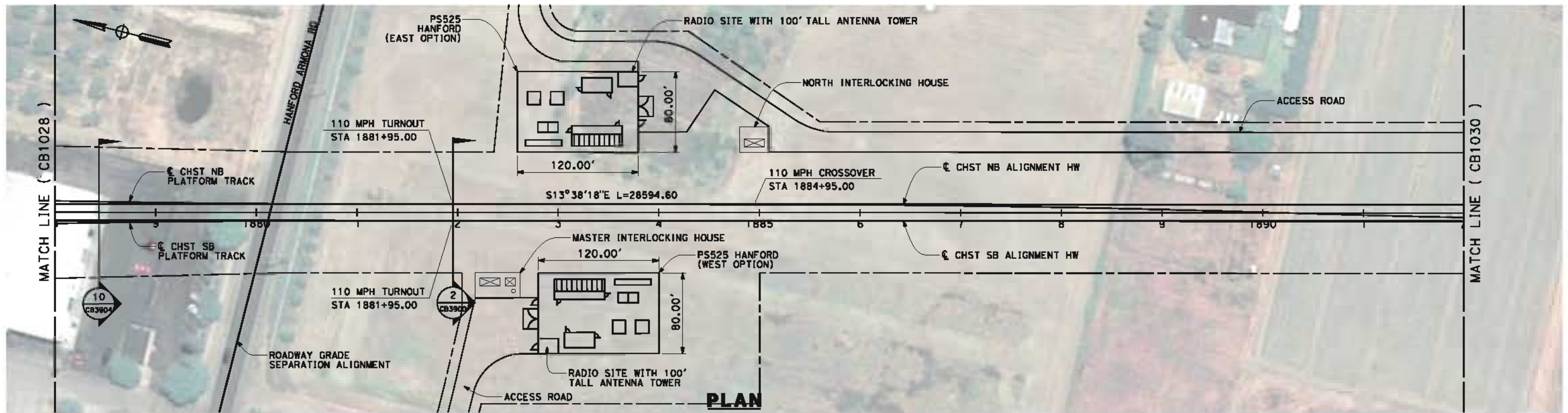
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1863+50 TO 1878+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1028
 SCALE
AS SHOWN
 SHEET NO.
29 OF 42

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

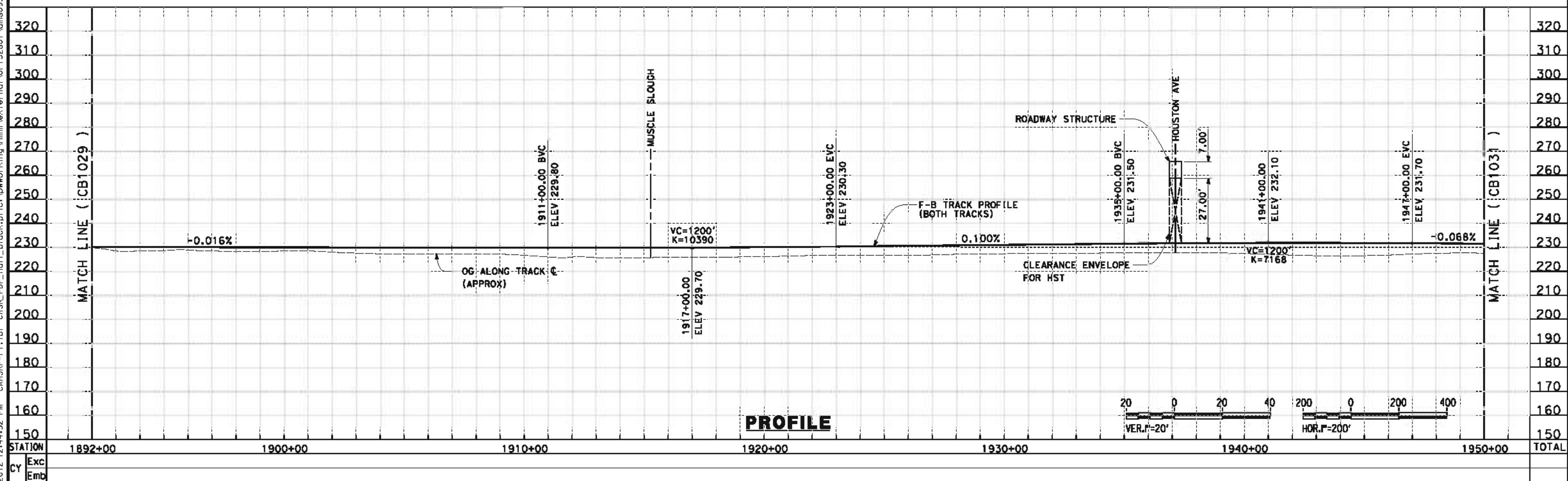
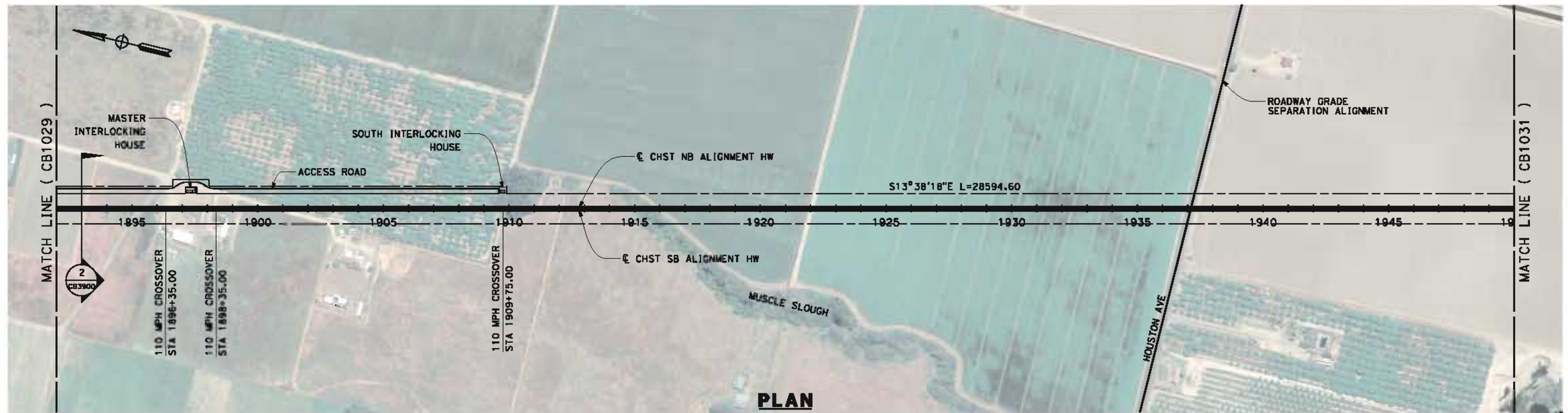
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW (AT-GRADE)
STA 1878+00 TO 1892+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1029
 SCALE
AS SHOWN
 SHEET NO.
30 OF 42

5/17/2012 12:44:52 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\ort+52801\dms09326\FB-CB-1030.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

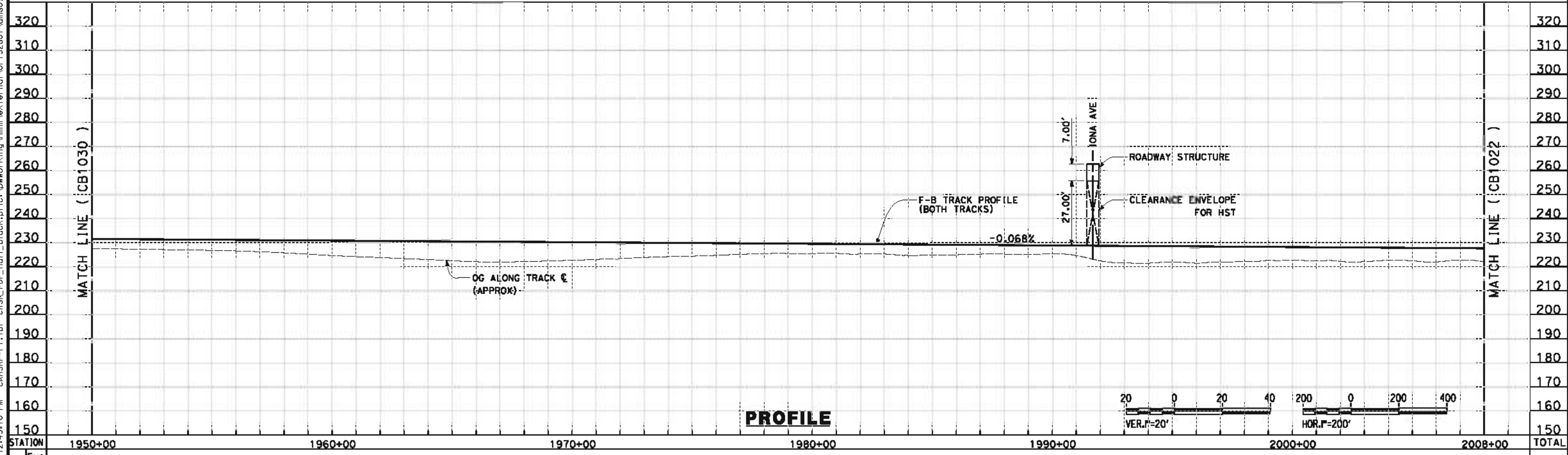
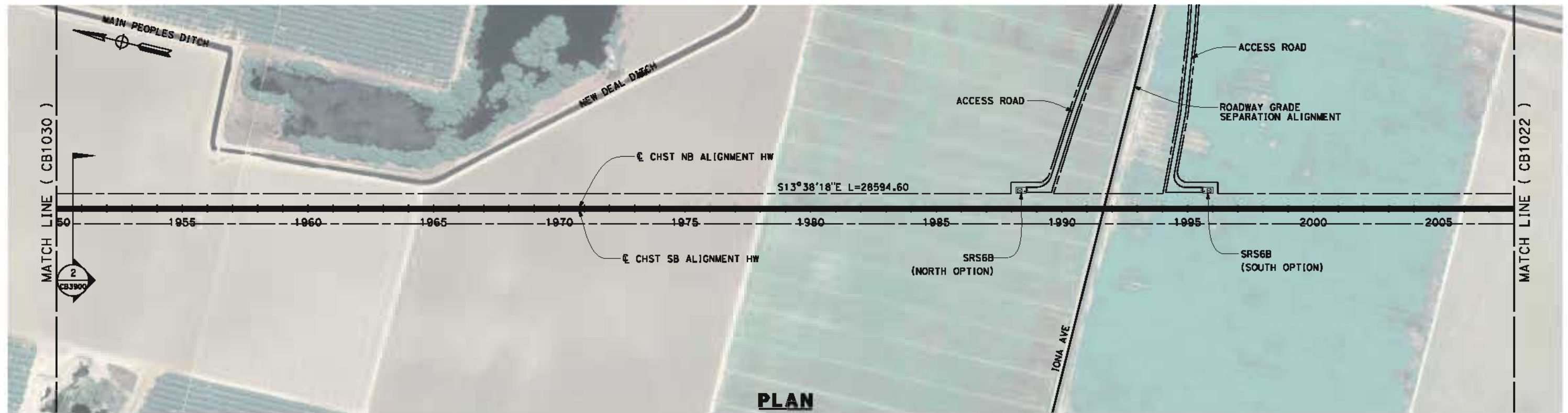
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW (AT-GRADE)
 STA 1892+00 TO 1950+00
PLAN AND PROFILE

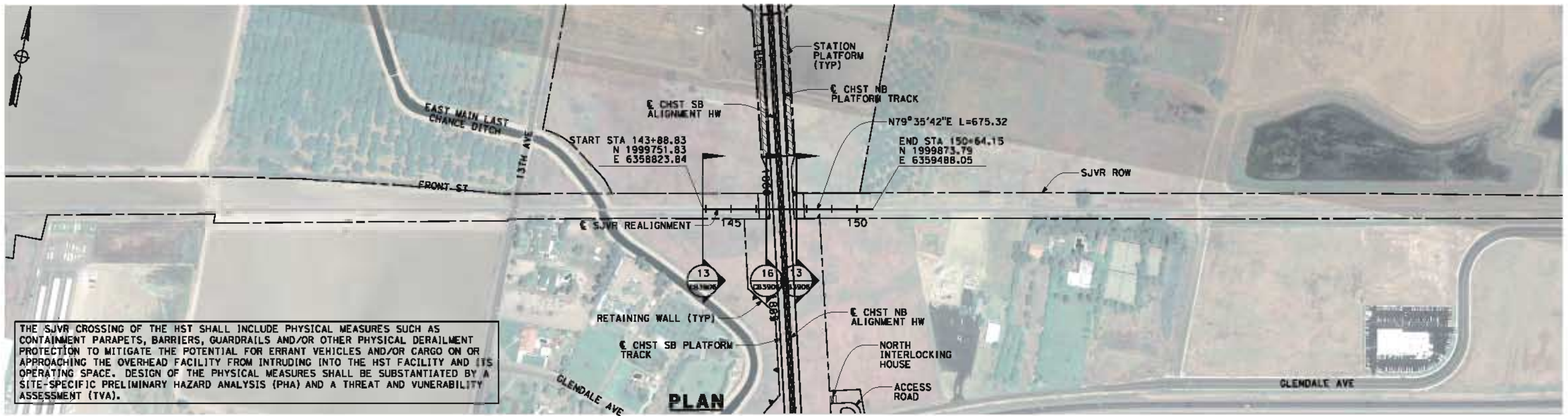
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1030
 SCALE
AS SHOWN
 SHEET NO.
31 OF 42

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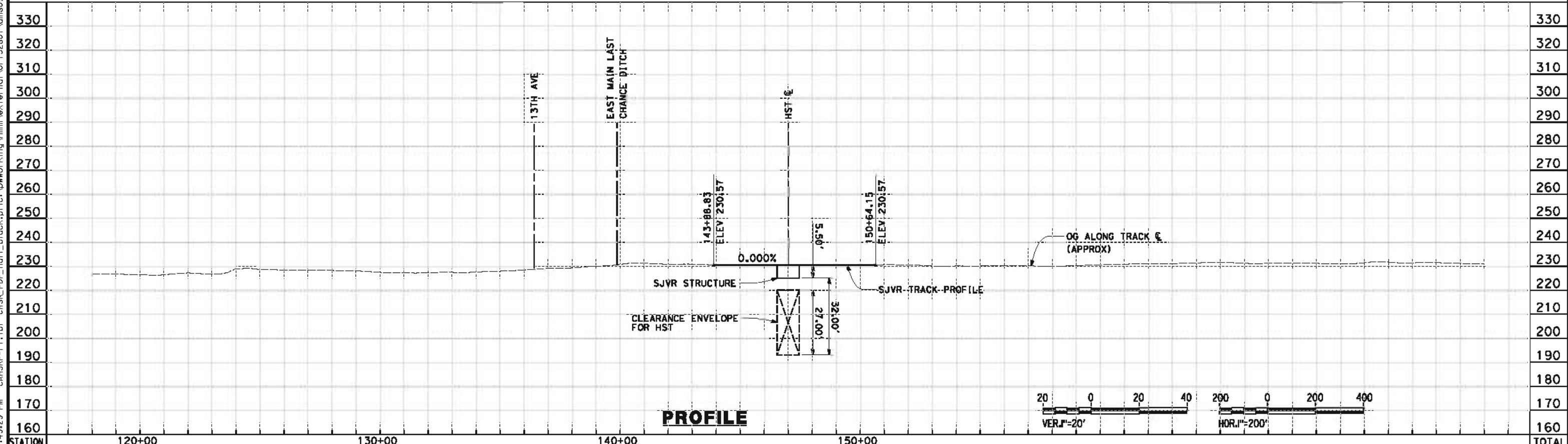
STATION	1950+00	1960+00	1970+00	1980+00	1990+00	2000+00	2008+00	TOTAL
CY	Exc							
	Emb							

DESIGNED BY J. BINNING DRAWN BY V. ORTEGA CHECKED BY L. TRUJILLO IN CHARGE O. EARLE DATE 05/18/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD WEST BYPASS SUBSECTION ALIGNMENT HW (AT-GRADE) STA 1950+00 TO 2008+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB1031 SCALE AS SHOWN SHEET NO. 32 OF 42
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THE SJVR CROSSING OF THE HST SHALL INCLUDE PHYSICAL MEASURES SUCH AS CONTAINMENT PARAPETS, BARRIERS, GUARDRAILS AND/OR OTHER PHYSICAL DERAILMENT PROTECTION TO MITIGATE THE POTENTIAL FOR ERRANT VEHICLES AND/OR CARGO ON OR APPROACHING THE OVERHEAD FACILITY FROM INTRUDING INTO THE HST FACILITY AND ITS OPERATING SPACE. DESIGN OF THE PHYSICAL MEASURES SHALL BE SUBSTANTIATED BY A SITE-SPECIFIC PRELIMINARY HAZARD ANALYSIS (PHA) AND A THREAT AND VULNERABILITY ASSESSMENT (TVA).

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STATION	120+00	130+00	140+00	150+00	TOTAL
Exc					
Emb					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

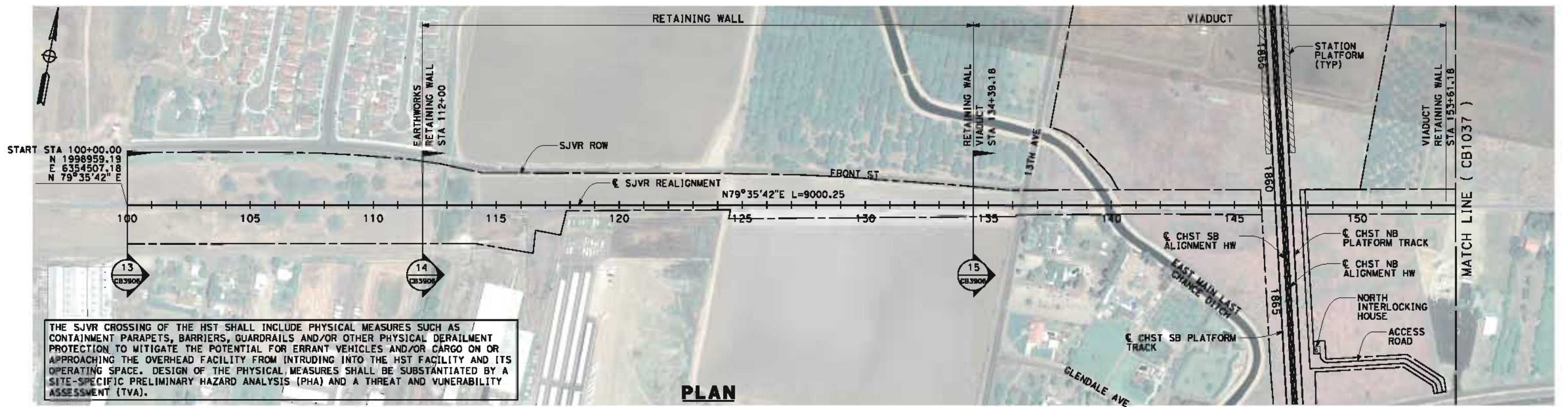
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



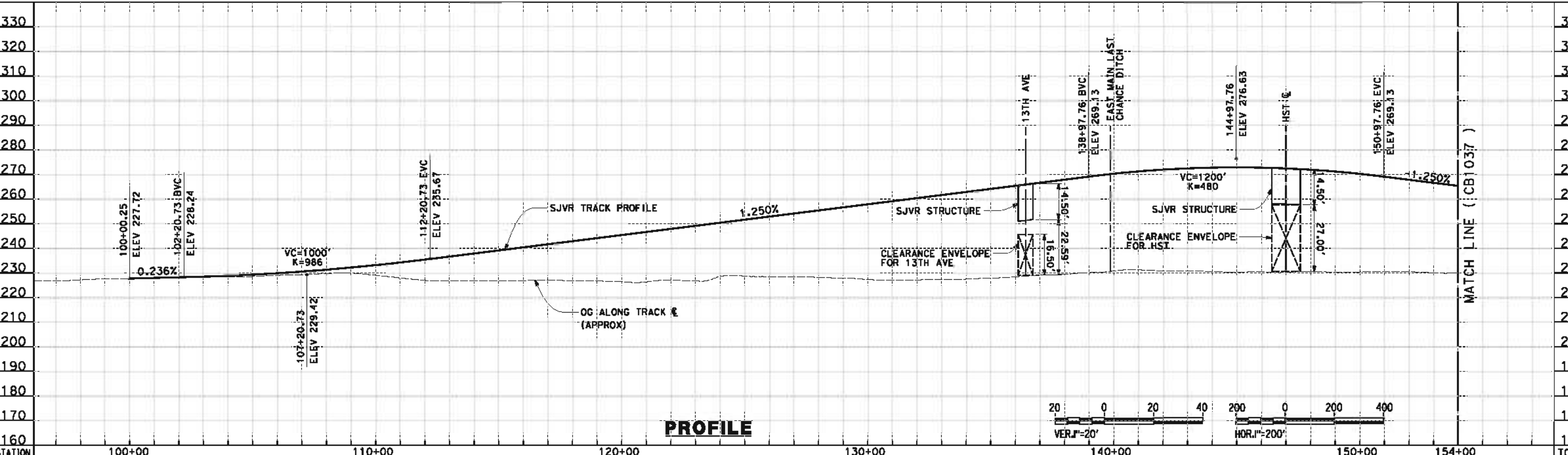
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
SJVR SPUR REALIGNMENT
STA 143+89 TO 150+64
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1035
SCALE
AS SHOWN
SHEET NO.
33 OF 42



THE SJVR CROSSING OF THE HST SHALL INCLUDE PHYSICAL MEASURES SUCH AS CONTAINMENT PARAPETS, BARRIERS, GUARDRAILS AND/OR OTHER PHYSICAL DERAILMENT PROTECTION TO MITIGATE THE POTENTIAL FOR ERRANT VEHICLES AND/OR CARGO ON OR APPROACHING THE OVERHEAD FACILITY FROM INTRUDING INTO THE HST FACILITY AND ITS OPERATING SPACE. DESIGN OF THE PHYSICAL MEASURES SHALL BE SUBSTANTIATED BY A SITE-SPECIFIC PRELIMINARY HAZARD ANALYSIS (PHA) AND A THREAT AND VULNERABILITY ASSESSMENT (TVA).

PLAN



PROFILE

STATION	100+00	110+00	120+00	130+00	140+00	150+00	154+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

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DESIGN SUBMISSION

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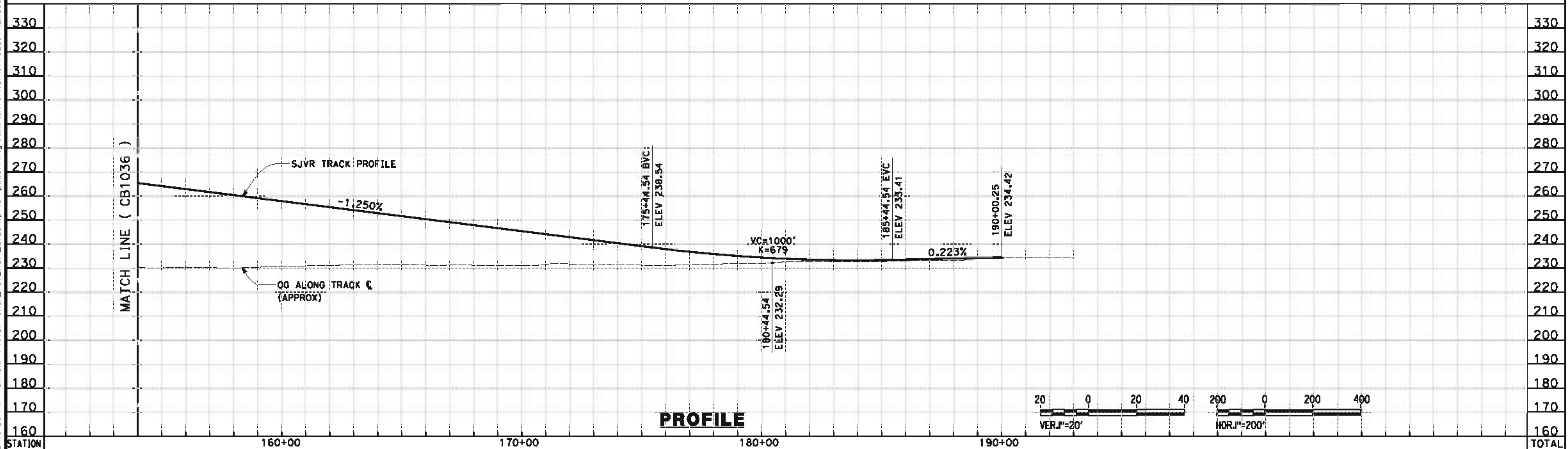


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
SJVR SPUR REALIGNMENT
STA 100+00 TO 154+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1036
SCALE
AS SHOWN
SHEET NO.
34 OF 42

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5/17/2012 12:46:25 PM CAHSR-r1.tbl CAHSR_PDF_half_black.plt \\pwworking\hmm\external\ort+52801\dms09326\FB-CB-1037.dgn



STATION	160+00	170+00	180+00	190+00	TOTAL
Exc					
Emb					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
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V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

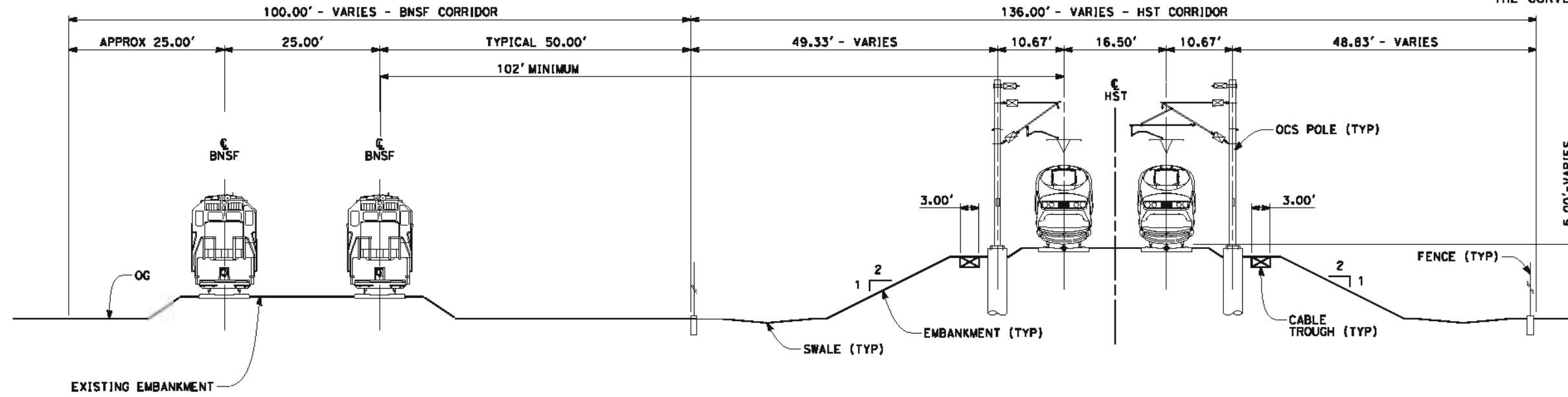
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CONSTRUCTION**



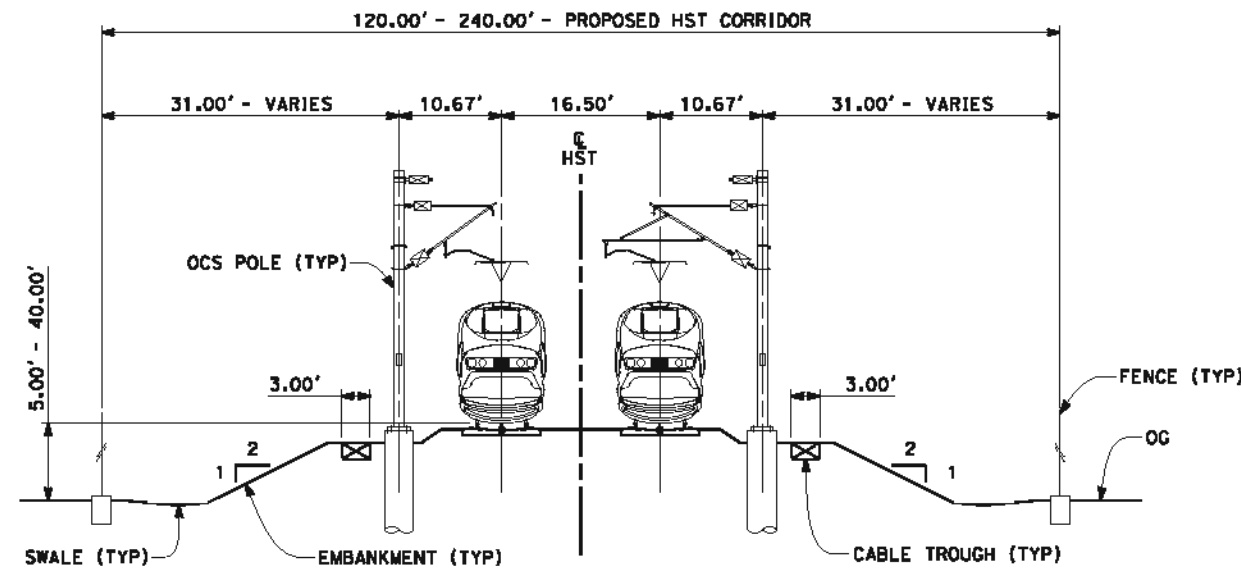
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 SJVR SPUR REALIGNMENT
 STA 154+00 TO 190+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1037
 SCALE
AS SHOWN
 SHEET NO.
35 OF 42

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



SECTION 1
TWIN TRACK ADJACENT TO BNSF
STA "HW" 1065+00.00 TO 1262+00.00



SECTION 2
TWIN TRACK AT GRADE
STA "HW" 1262+00.00 TO 1413+80.00
STA "HW" 1421+60.00 TO 1446+81.32
STA "HW" 1475+87.32 TO 1773+00.00 (DEPRESSED)
STA "HW" 1475+91.32 TO 1821+95.00 (AT-GRADE)
STA "HW" 1921+80.00 TO 2029+61.12 (DEPRESSED)
STA "HW" 1881+95.00 TO 2029+61.12 (AT-GRADE)



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REV	DATE	BY	CHK	APP	DESCRIPTION

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O. EARLE
DATE
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DESIGN SUBMISSION**

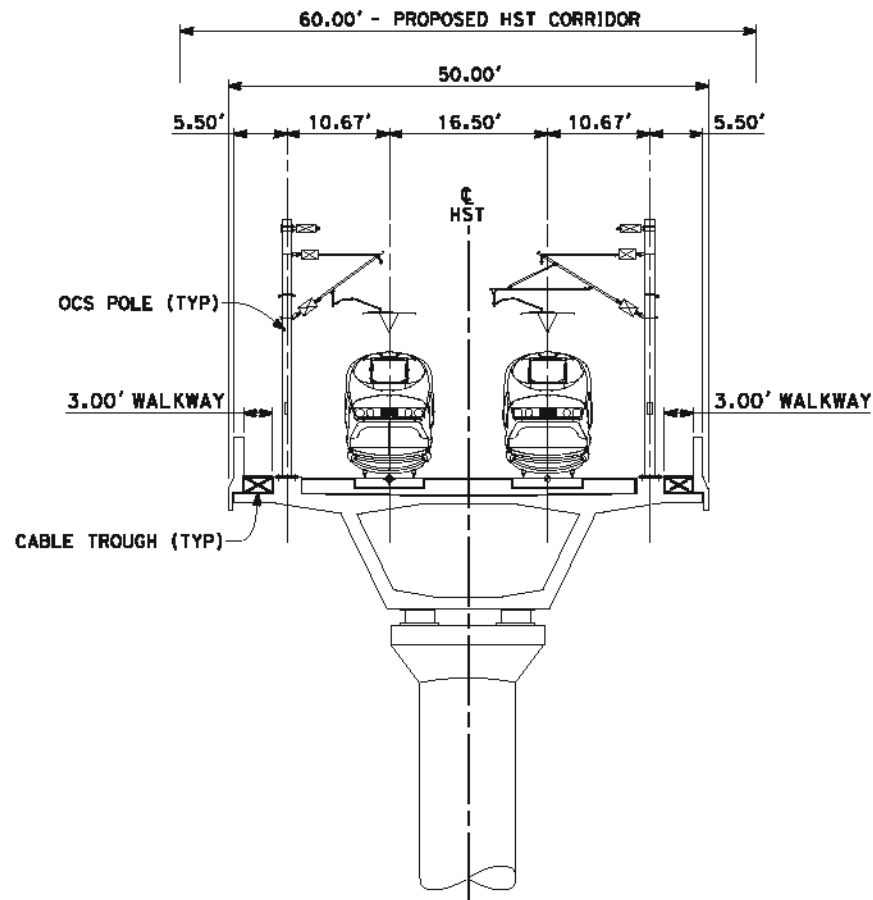
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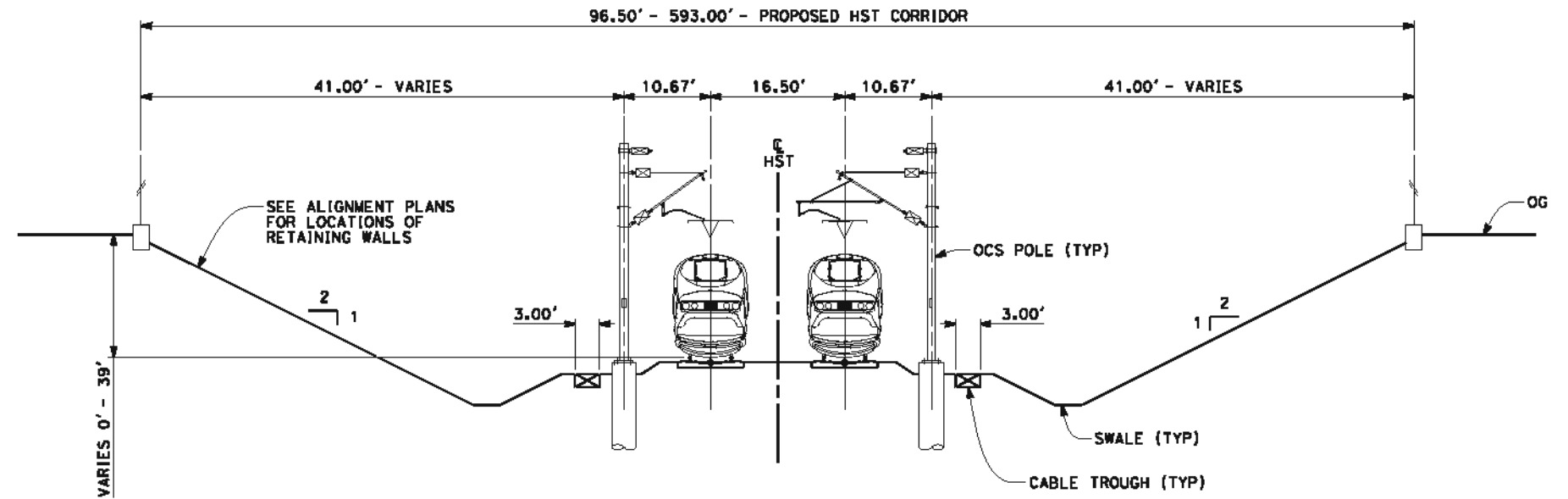
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3900
SCALE
AS SHOWN
SHEET NO.
36 OF 42

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



SECTION 3
 TWIN TRACK AERIAL VIADUCT
 STA "HW" 1413+80.00 TO 1421+60.00
 STA "HW" 1446+81.32 TO 1475+87.32



SECTION 4
 TWIN TRACK IN CUT
 STA "HW" 1773+00.00 TO 1821+95.00
 STA "HW" 1881+95.00 TO 1921+80.00



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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V. ORTEGA
 CHECKED BY
L. TRUJILLO
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O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

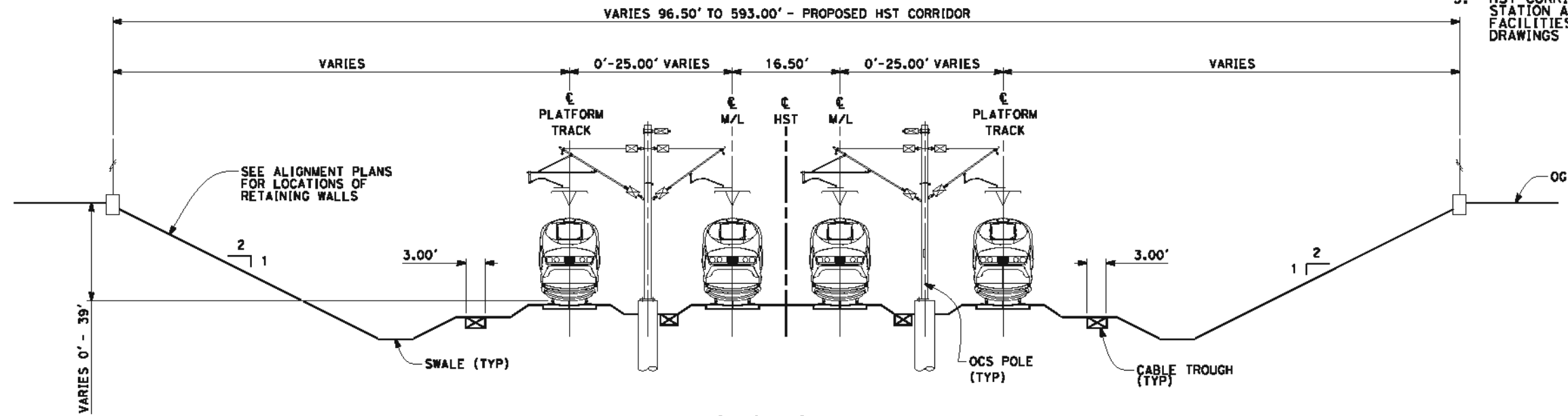
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 CROSS SECTIONS

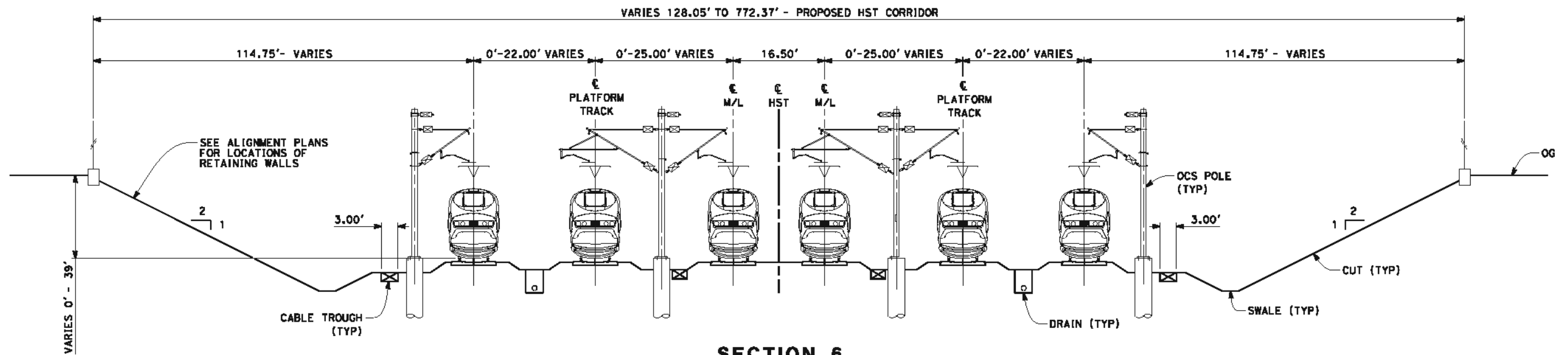
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3901
 SCALE
AS SHOWN
 SHEET NO.
37 OF 42

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 3. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED, SEE STATION DRAWINGS FOR DETAILS.



SECTION 5

4 TRACK IN CUT
 STA "HW" 1821+95.00 TO 1825+86.89
 STA "HW" 1861+50.87 TO 1864+18.22
 STA "HW" 1869+48.79 TO 1881+95.00



SECTION 6

6 TRACK IN CUT INCLUDING STORAGE TRACKS
 STA "HW" 1825+86.89 TO 1844+15.04



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REV	DATE	BY	CHK	APP	DESCRIPTION

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V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 CROSS SECTIONS**

CONTRACT NO.
HSR 06-0003

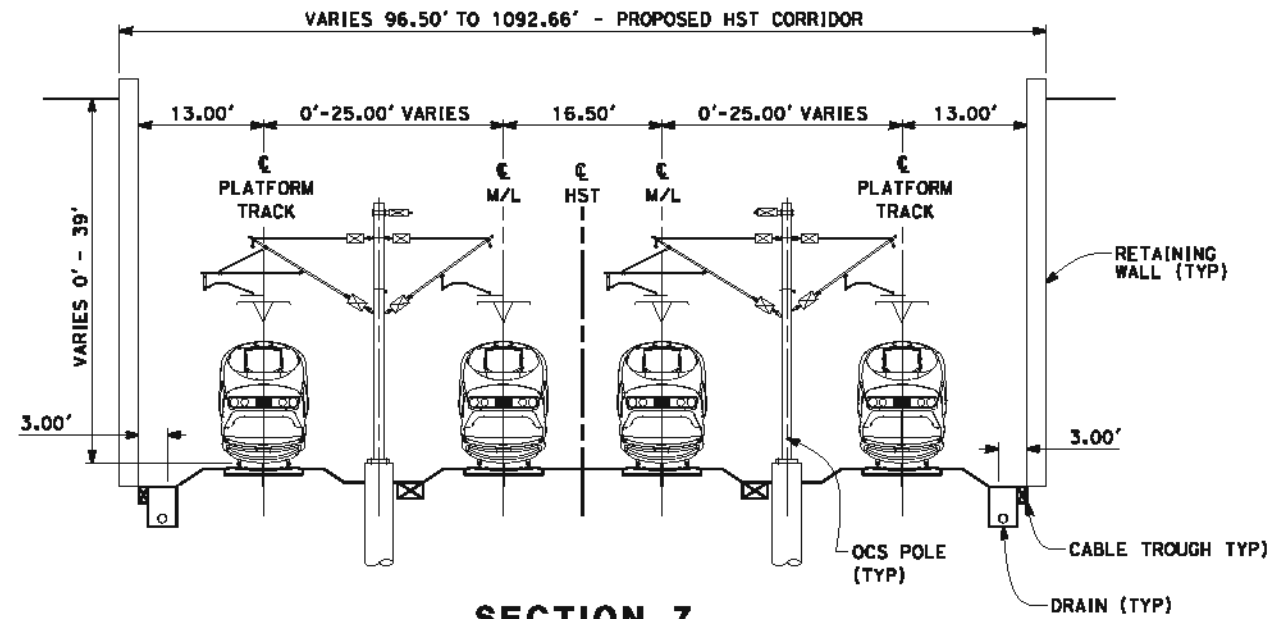
DRAWING NO.
CB3902

SCALE
AS SHOWN

SHEET NO.
38 OF 42

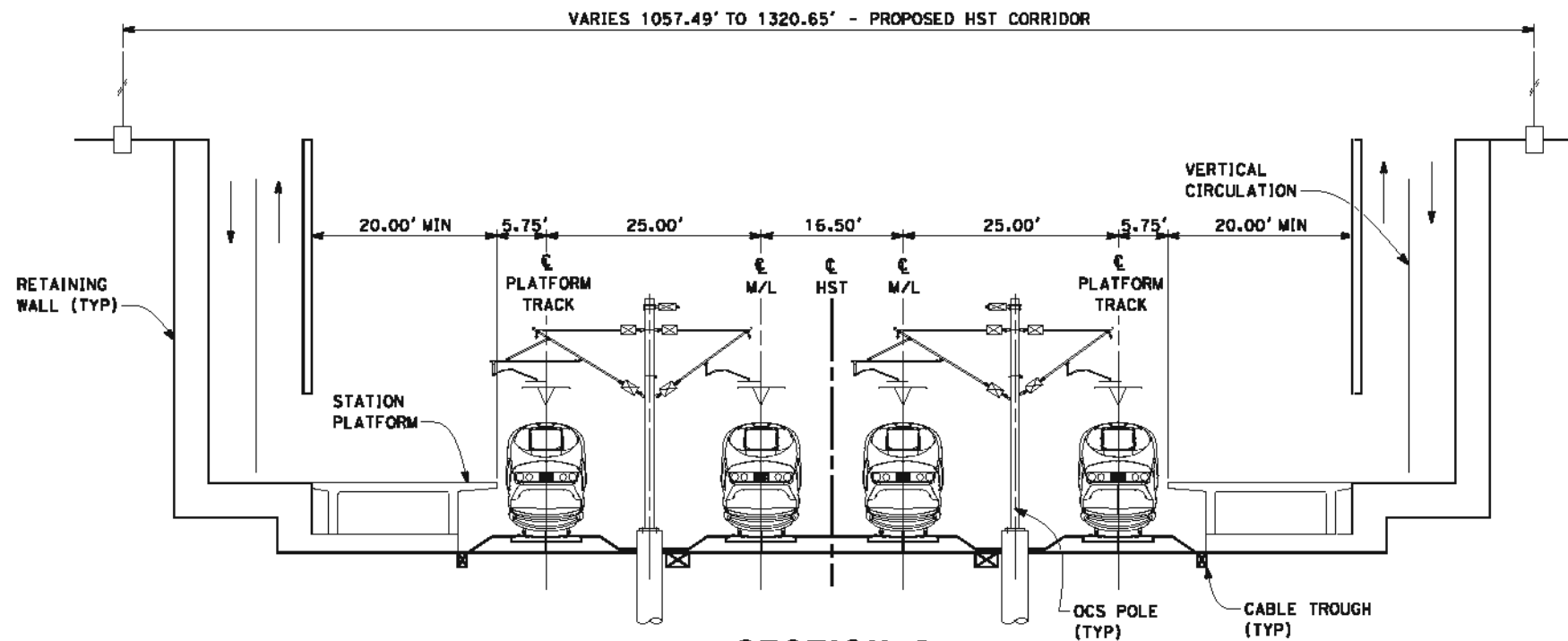
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED, SEE STATION DRAWINGS FOR DETAILS.



SECTION 7

4 TRACK IN RETAINED CUT
 STA "HW" 1844+15.04 TO 1844+90.00
 STA "HW" 1859+00.00 TO 1861+50.87



SECTION 8

4 TRACKS IN RETAINED CUT INCLUDING PLATFORMS
 STA "HW" 1844+90.00 TO 1859+00.00



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

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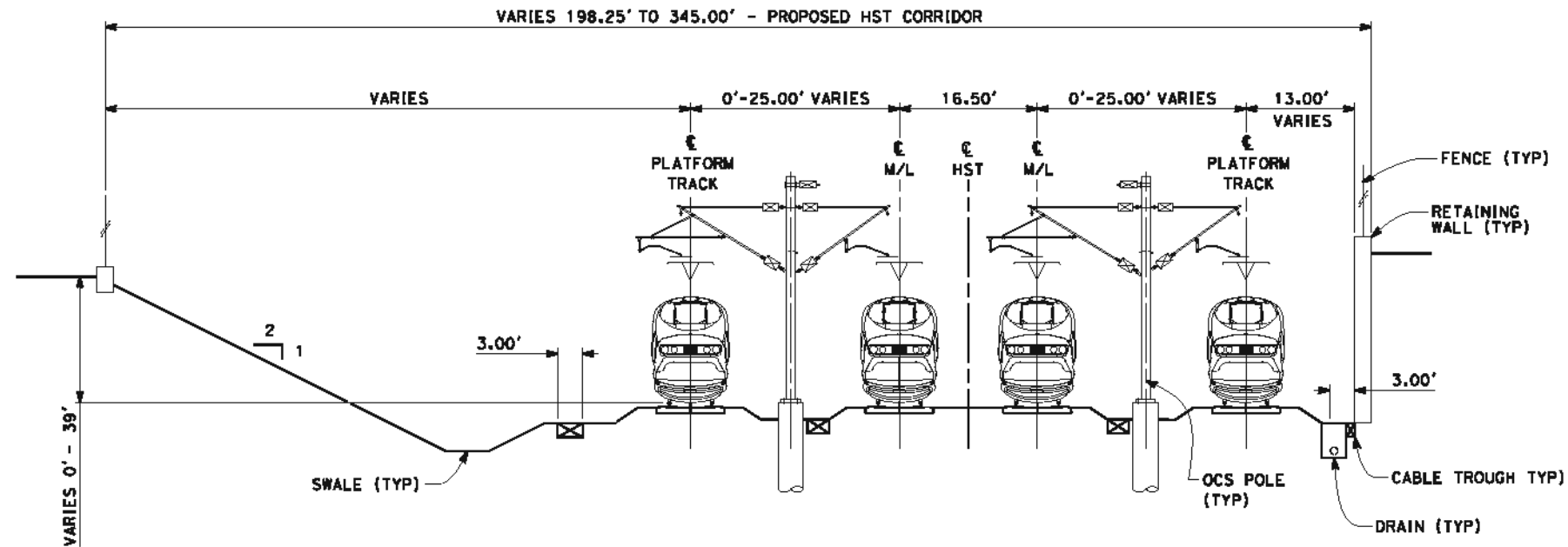


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 HANFORD WEST BYPASS SUBSECTION
 ALIGNMENT HW
 CROSS SECTIONS

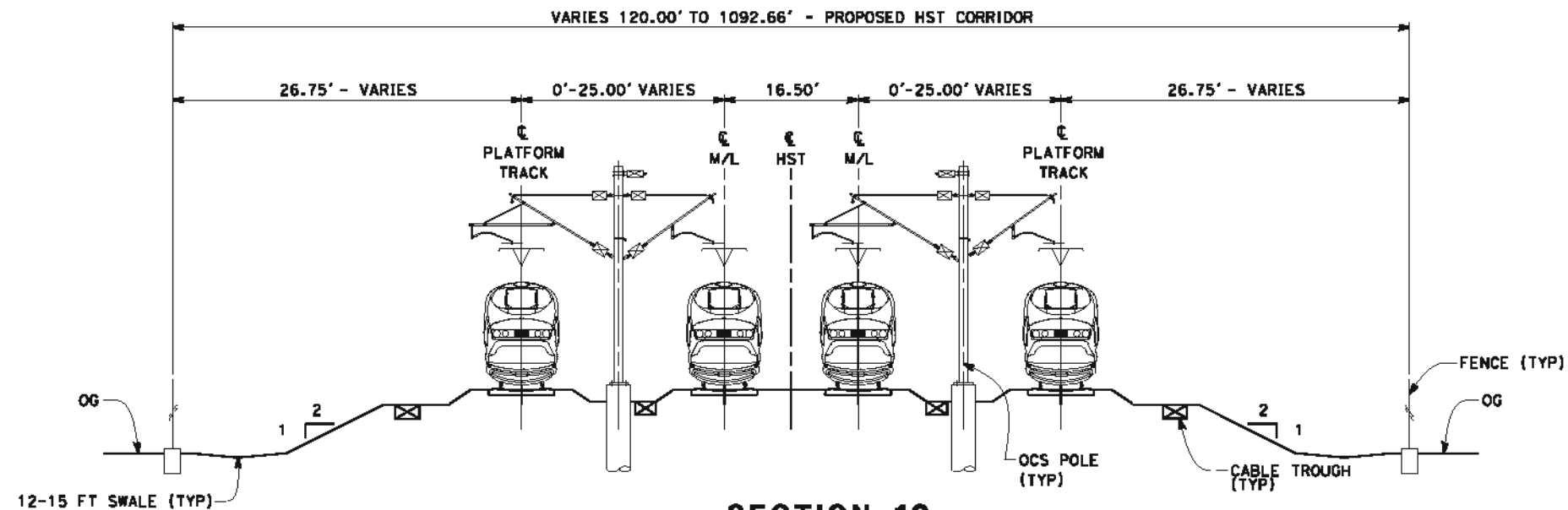
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3903
 SCALE
AS SHOWN
 SHEET NO.
39 OF 42

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED, SEE STATION DRAWINGS FOR DETAILS.



SECTION 9
4 TRACK IN RETAINED CUT
STA "HW" 1864+18.22 TO 1869+48.79



SECTION 10
4 TRACK AT GRADE
STA "HW" 1821+95.00 TO 1825+86.89 (AT-GRADE)
STA "HW" 1844+15.04 TO 1844+90.00 (AT-GRADE)
STA "HW" 1859+00.00 TO 1881+95.00 (AT-GRADE)



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

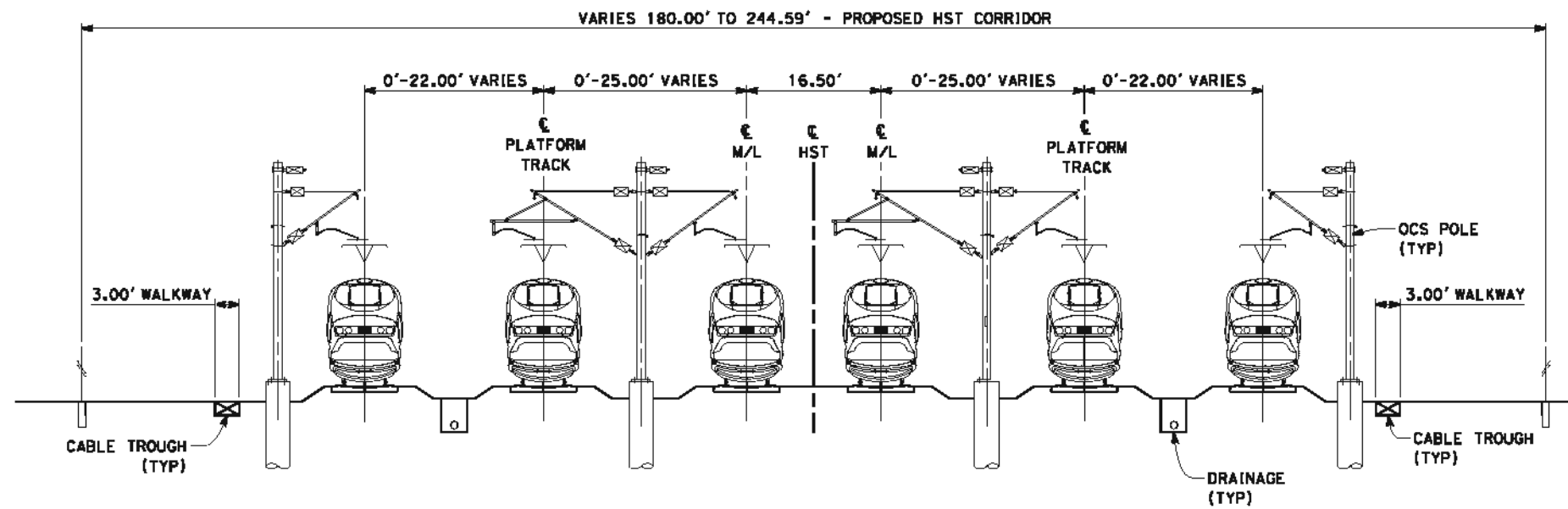


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
CROSS SECTIONS

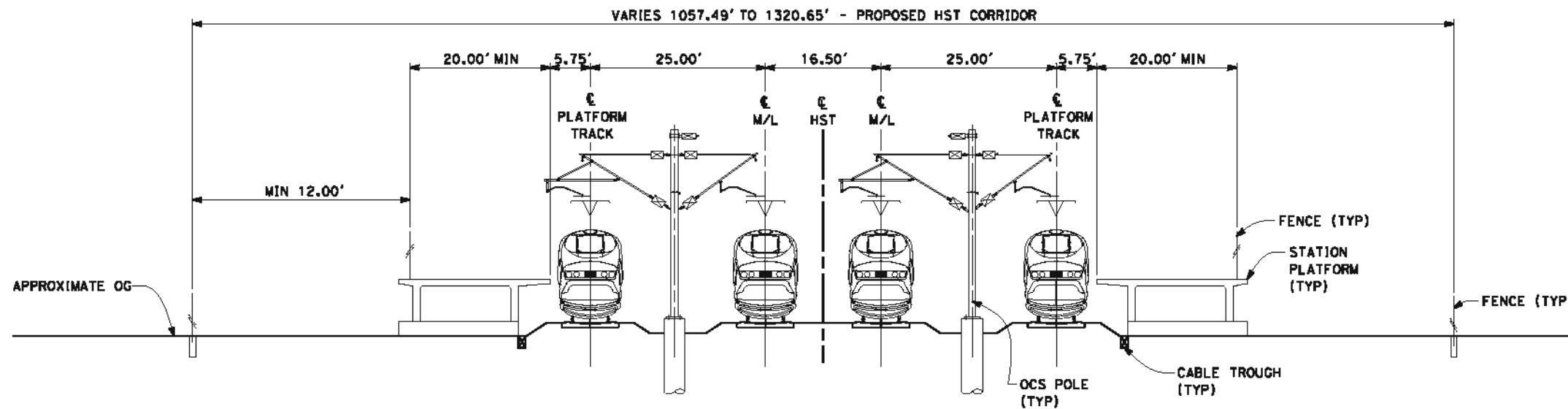
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3904
SCALE
AS SHOWN
SHEET NO.
40 OF 42

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. HST CORRIDOR WIDTH VARIES THROUGH THE STATION ACCORDING TO THE STATION FACILITIES PROVIDED, SEE STATION DRAWINGS FOR DETAILS.



SECTION 11
6 TRACK AT GRADE
STA "HW" 1825+86.89 TO 1844+15.04



SECTION 12
4 TRACK AT GRADE INCLUDING PLATFORMS
STA "HW" 1844+90.00 TO 1859+00.00



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
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L. TRUJILLO
IN CHARGE
O. EARLE
DATE
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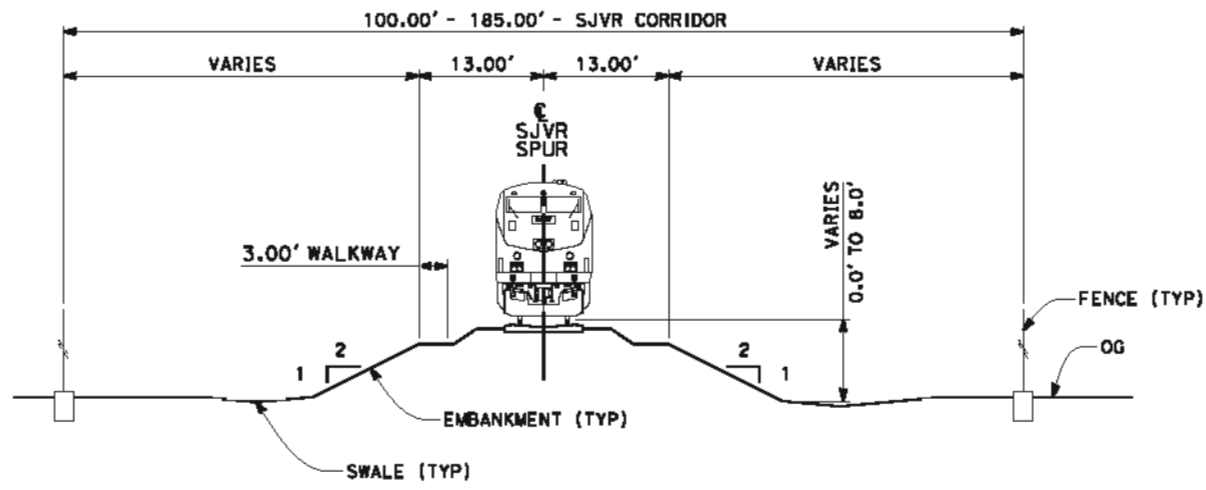
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD WEST BYPASS SUBSECTION
ALIGNMENT HW
CROSS SECTIONS

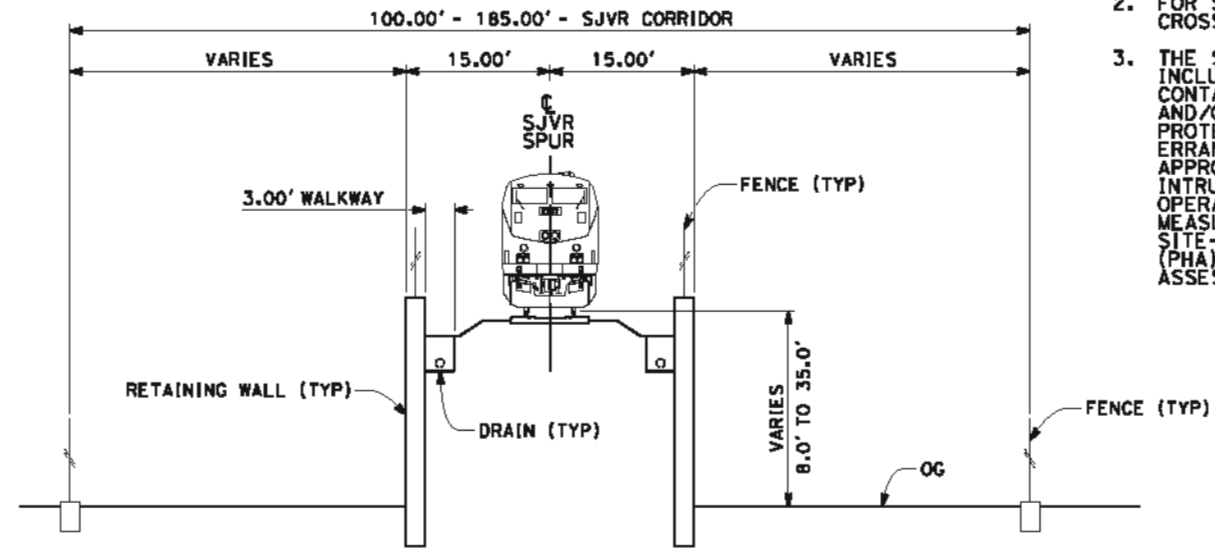
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3905
SCALE
AS SHOWN
SHEET NO.
41 OF 42



SECTION 13

1 TRACK AT GRADE

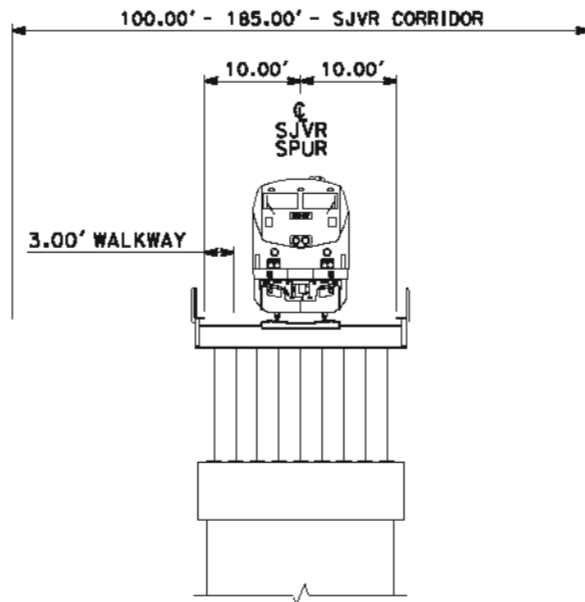
STA "HW" 100+00.00 TO 112+00.00 (AT-GRADE HST)
 STA "HW" 175+00.00 TO 190+00.00 (AT-GRADE HST)
 STA "HW" 143+88.83 TO 146+40.18 (DEPRESSED HST)
 STA "HW" 147+60.18 TO 150+64.15 (DEPRESSED HST)



SECTION 14

1 TRACK - RETAINED EMBANKMENT

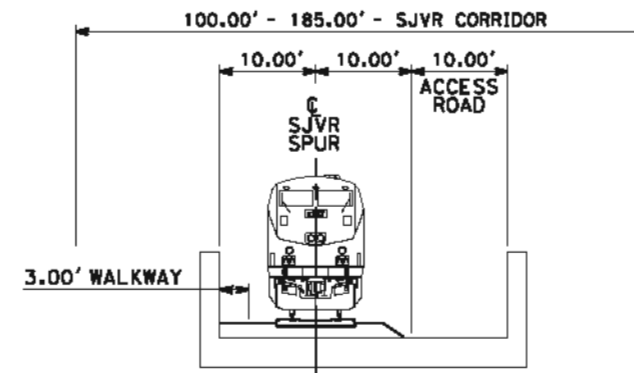
STA "SJVR" 112+00.00 TO 134+39.18 (AT-GRADE HST)
 STA "SJVR" 153+61.18 TO 175+00.00 (AT-GRADE HST)



SECTION 15

1 TRACK - AERIAL STRUCTURE

STA "SJVR" 134+39.18 TO 153+61.18 (AT-GRADE HST)



SECTION 16

1 TRACK - AERIAL STRUCTURE

STA "SJVR" 146+40.18 TO 147+60.18 (DEPRESSED HST)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. THE SJVR CROSSING OF THE HST SHALL INCLUDE PHYSICAL MEASURES SUCH AS CONTAINMENT PARAPETS, BARRIERS, GUARDRAILS AND/OR OTHER PHYSICAL DERAILMENT PROTECTION TO MITIGATE THE POTENTIAL FOR ERRANT VEHICLES AND/OR CARGO ON OR APPROACHING THE OVERHEAD FACILITY FROM INTRUDING INTO THE HST FACILITY AND ITS OPERATING SPACE. DESIGN OF THE PHYSICAL MEASURES SHALL BE SUBSTANTIATED BY A SITE-SPECIFIC PRELIMINARY HAZARD ANALYSIS (PHA) AND A THREAT AND VULNERABILITY ASSESSMENT (TVA).



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD WEST BYPASS SUBSECTION
 SJVR SPUR REALIGNMENT
 CROSS SECTIONS**

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3906

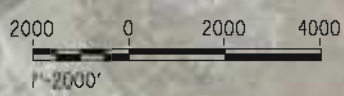
SCALE
AS SHOWN

SHEET NO.
42 OF 42

5/17/2012 12:46:35 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\bar59603\dms09326\FB-CB-1040.dgn



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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
Q. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

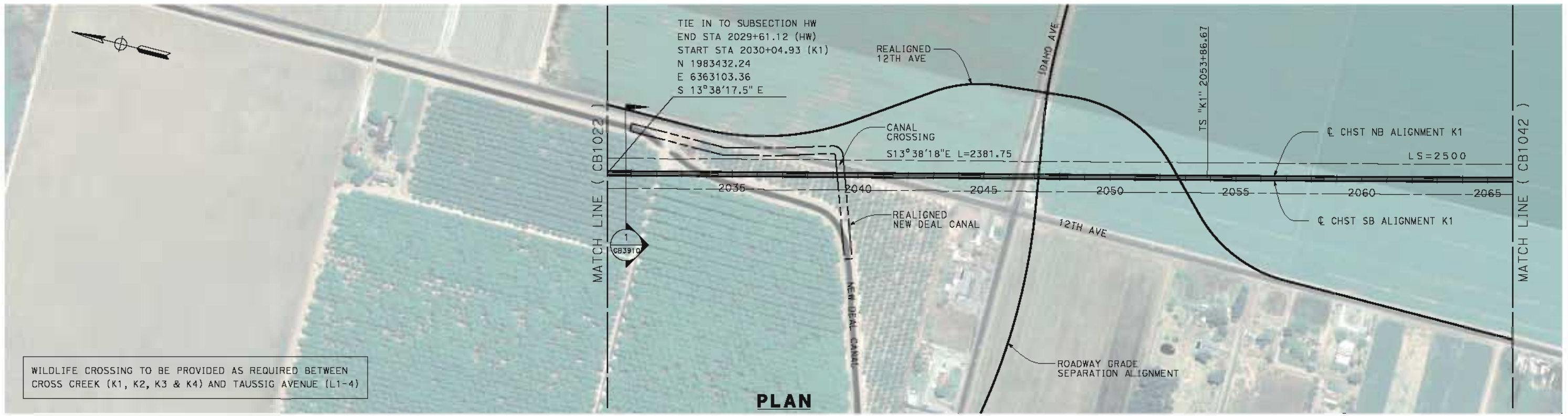
**NOT FOR
 CONSTRUCTION**



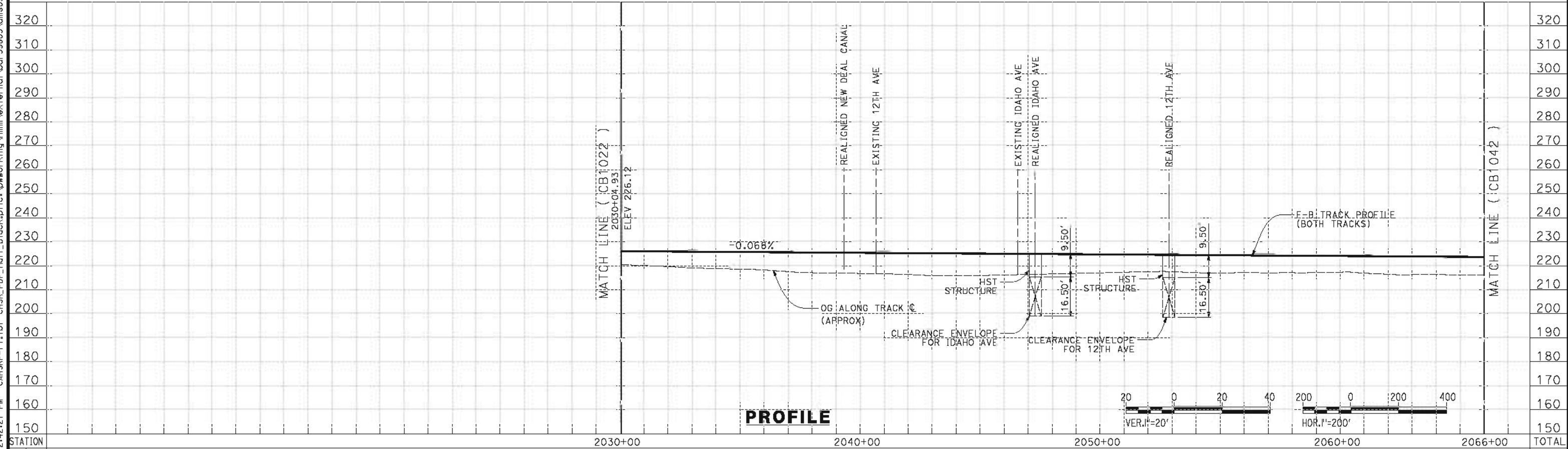
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 KAWEAH SUBSECTION
 ALIGNMENT K1
 STA 2030+05 TO 2541+34
 KEY MAP

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1040
 SCALE
AS SHOWN
 SHEET NO.
1 OF 14

5/17/2012 12:42:21 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\bor595603\dms09326\FB-CB-1041.dgn



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



STATION	2030+00	2040+00	2050+00	2060+00	2066+00	TOTAL
Exc						
Emb						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

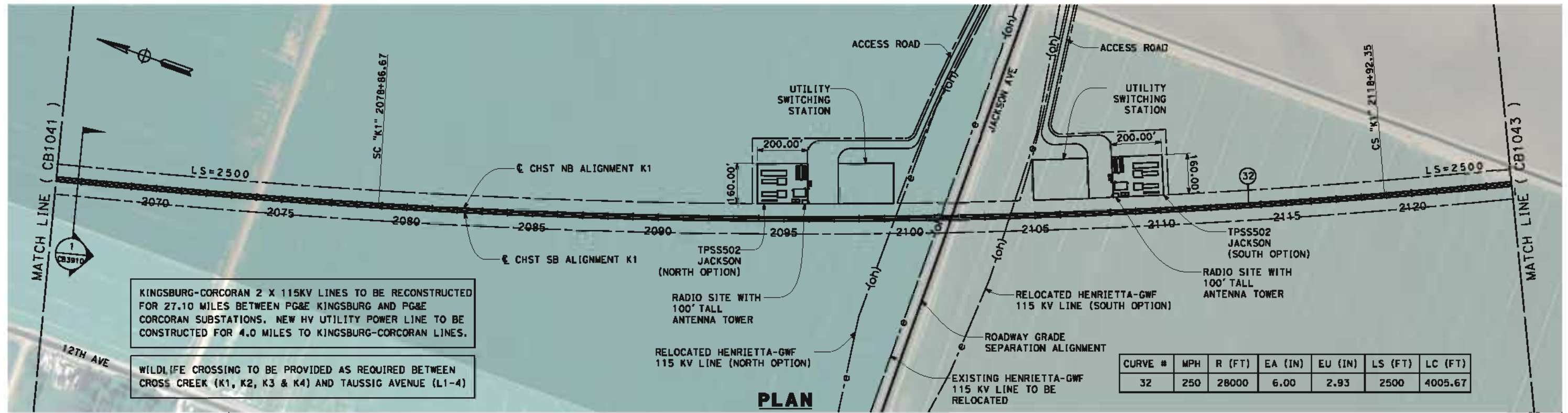


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2030+05 TO 2066+00
PLAN AND PROFILE

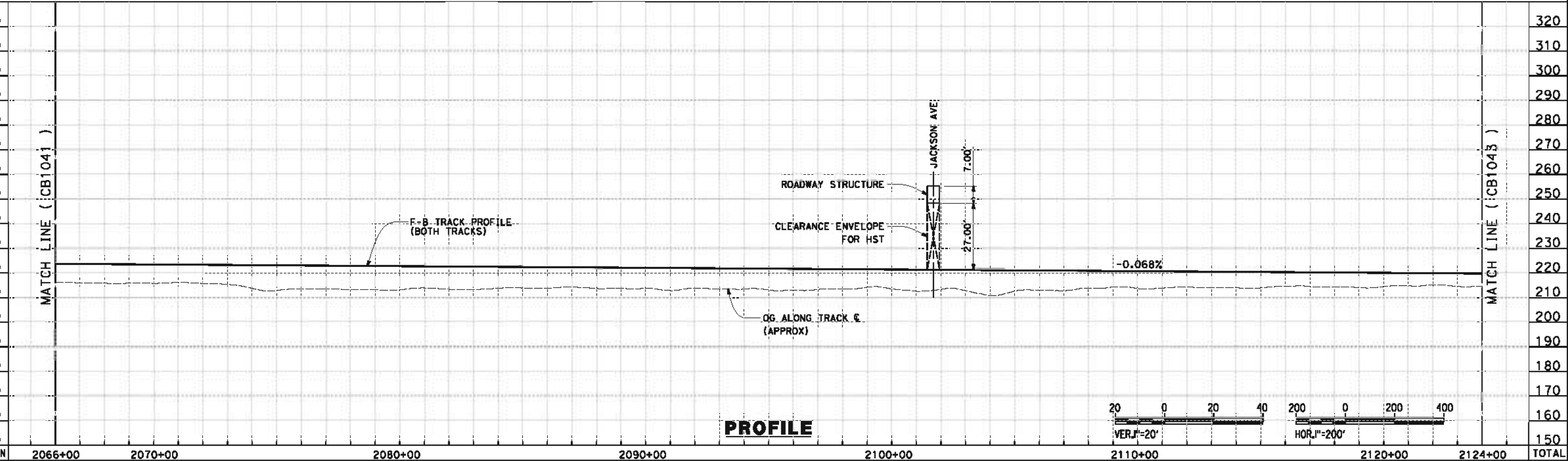
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1041
SCALE
AS SHOWN
SHEET NO.
2 OF 14

5/18/2012 1:45:23 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\mor53804\dms09326\FB-CB-1042.dgn



KINGSBURG-CORCORAN 2 X 115KV LINES TO BE RECONSTRUCTED FOR 27.10 MILES BETWEEN PG&E KINGSBURG AND PG&E CORCORAN SUBSTATIONS. NEW HV UTILITY POWER LINE TO BE CONSTRUCTED FOR 4.0 MILES TO KINGSBURG-CORCORAN LINES.

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



STATION	2066+00	2070+00	2080+00	2090+00	2100+00	2110+00	2120+00	2124+00	TOTAL
Exc									
Emb									

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2066+00 TO 2124+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

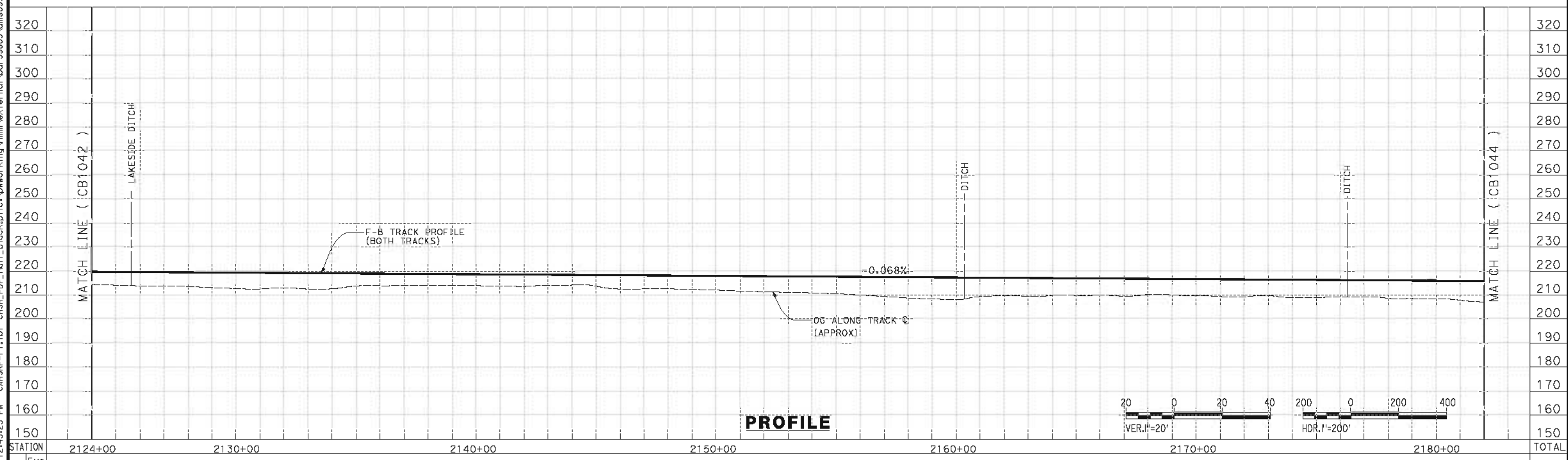
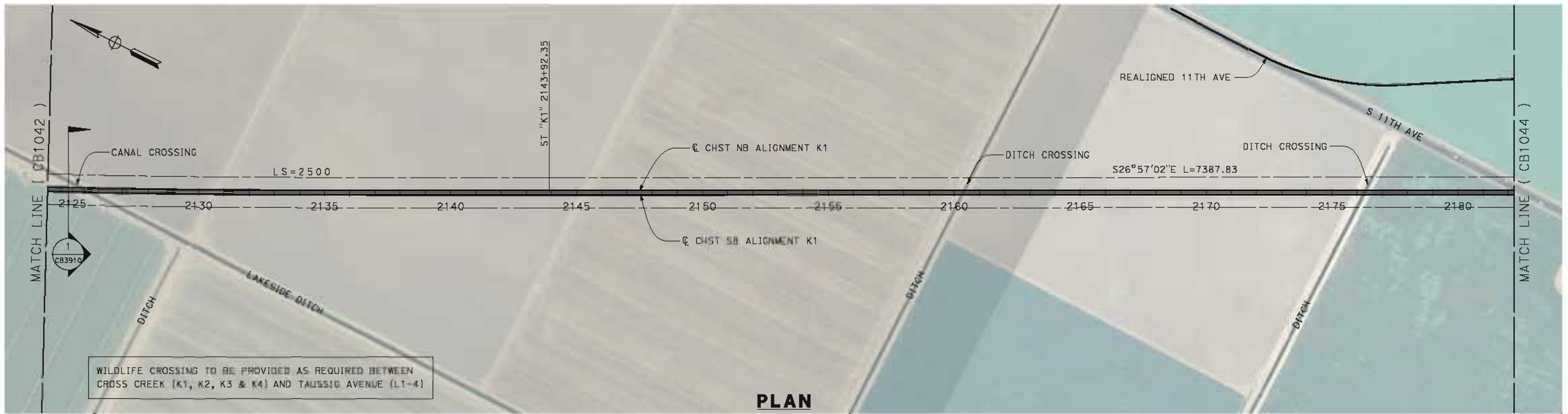
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CB1042

SCALE
AS SHOWN

SHEET NO.
3 OF 14

REV	DATE	BY	CHK	APP	DESCRIPTION

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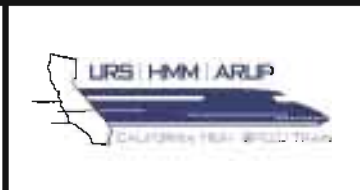


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

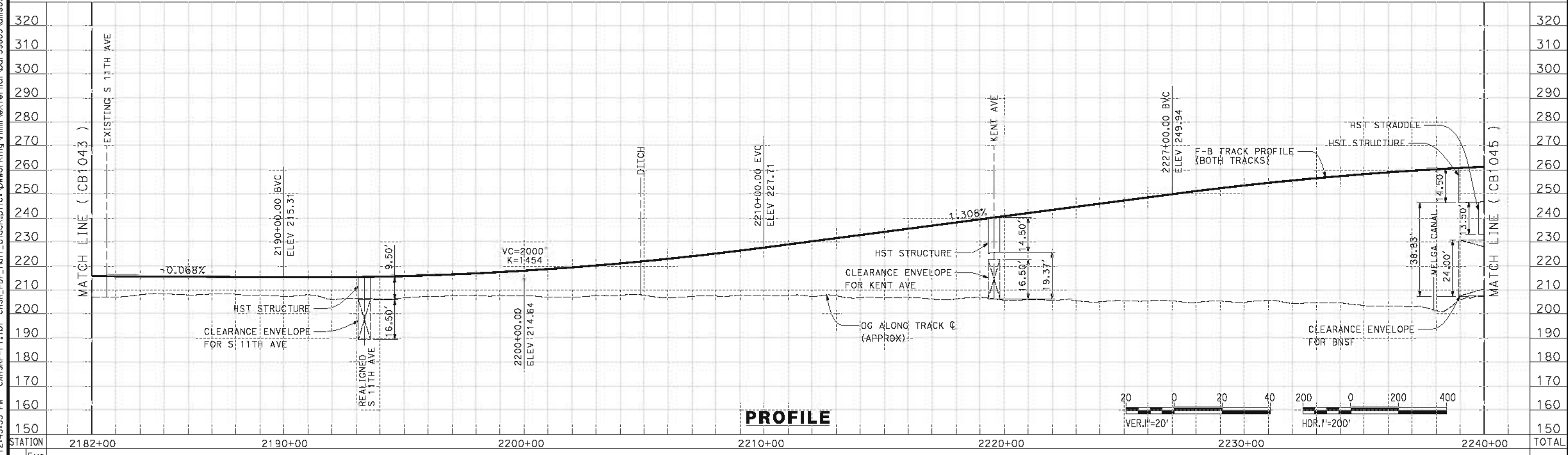
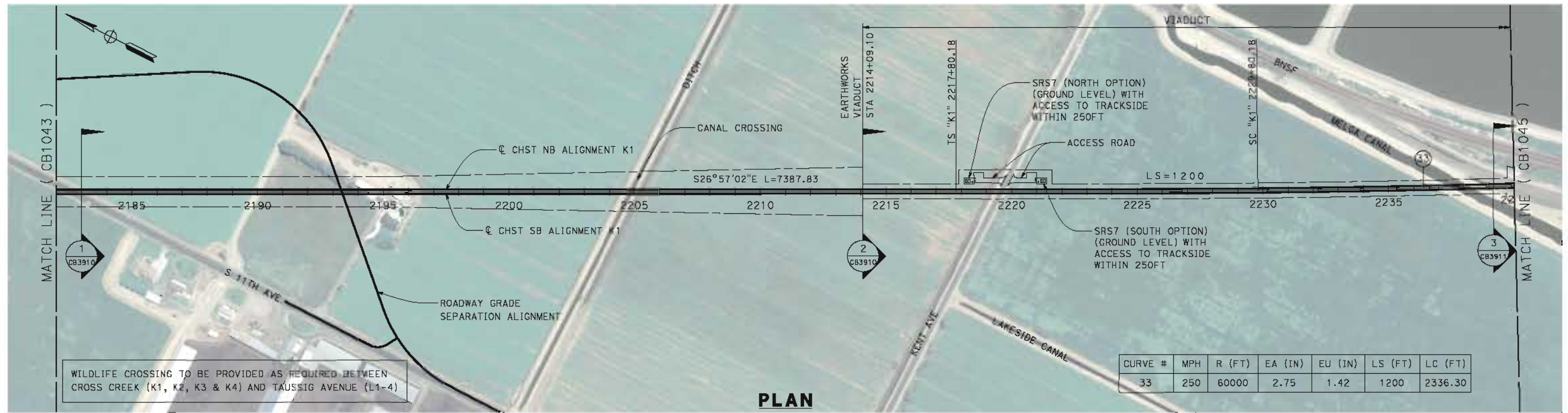


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2124+00 TO 2182+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1043
SCALE
AS SHOWN
SHEET NO.
4 OF 14

5/17/2012 12:43:53 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\bor59603\dms09326\FB-CB-1044.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

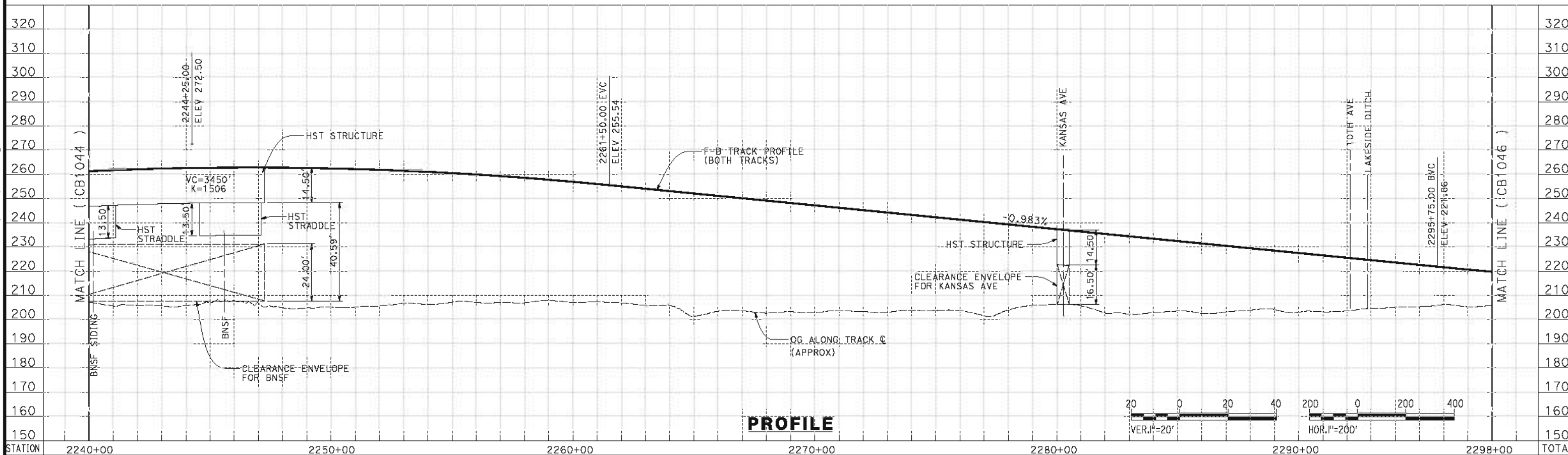


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2182+00 TO 2240+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1044
SCALE
AS SHOWN
SHEET NO.
5 OF 14

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
Q. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

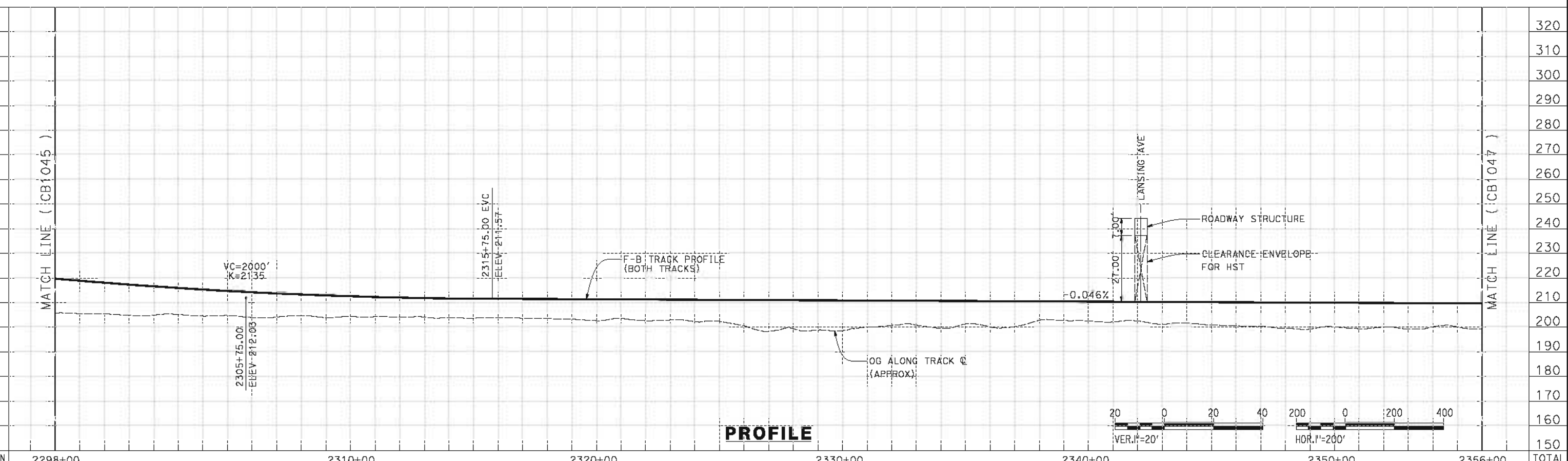
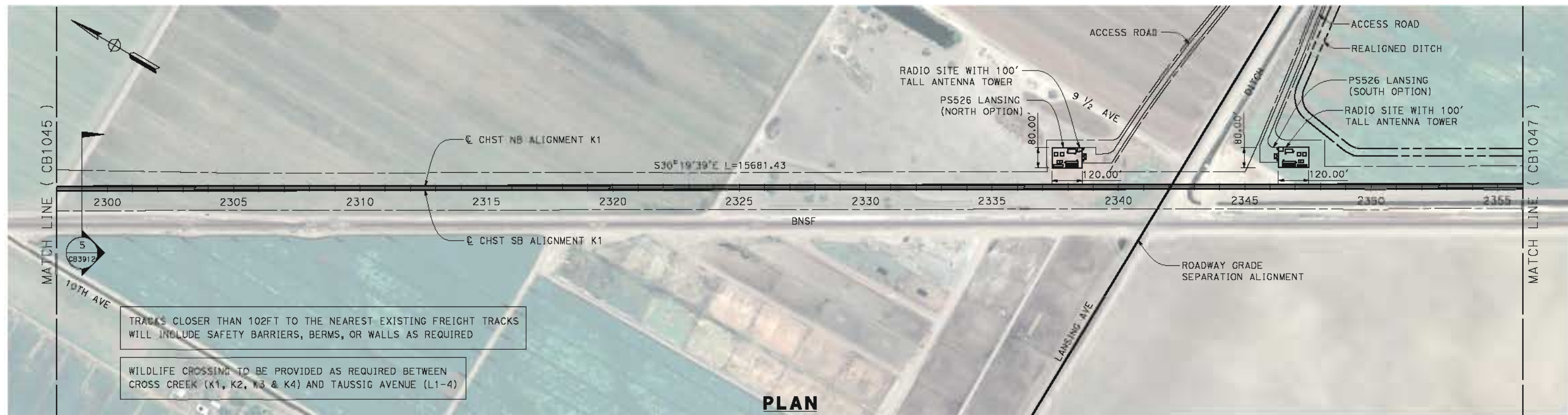


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2240+00 TO 2298+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1045
SCALE
AS SHOWN
SHEET NO.
6 OF 14

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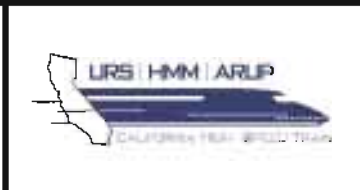
STATION	2298+00	2310+00	2320+00	2330+00	2340+00	2350+00	2356+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

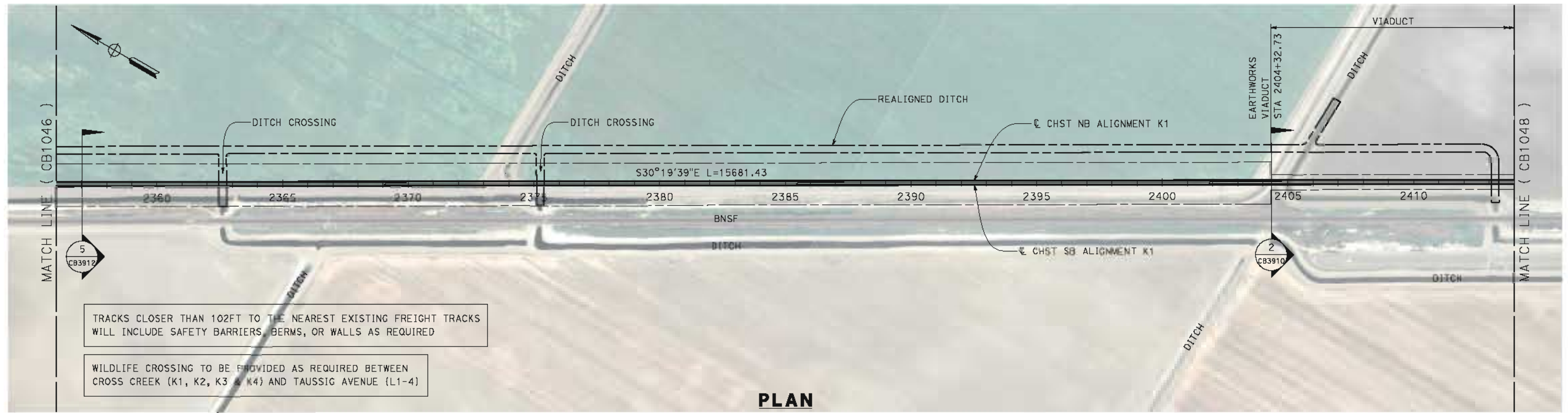


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2298+00 TO 2356+00
PLAN AND PROFILE

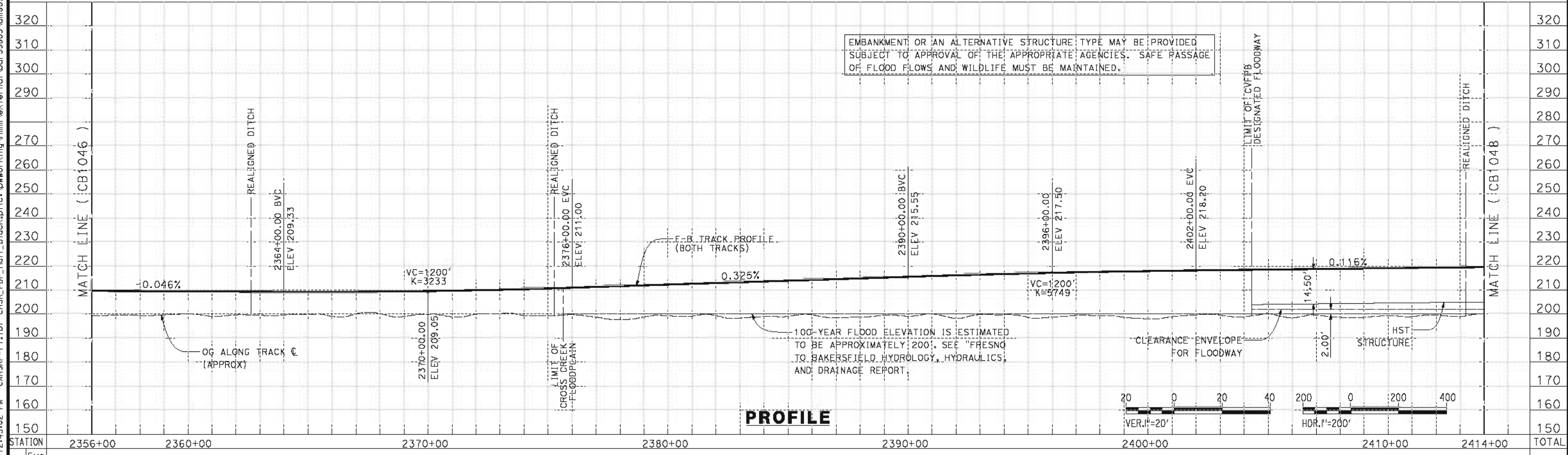
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HSR 06-0003
DRAWING NO.
CB1046
SCALE
AS SHOWN
SHEET NO.
7 OF 14

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

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



STATION	2356+00	2360+00	2370+00	2380+00	2390+00	2400+00	2410+00	2414+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

DRAWN BY
V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2356+00 TO 2414+00
PLAN AND PROFILE

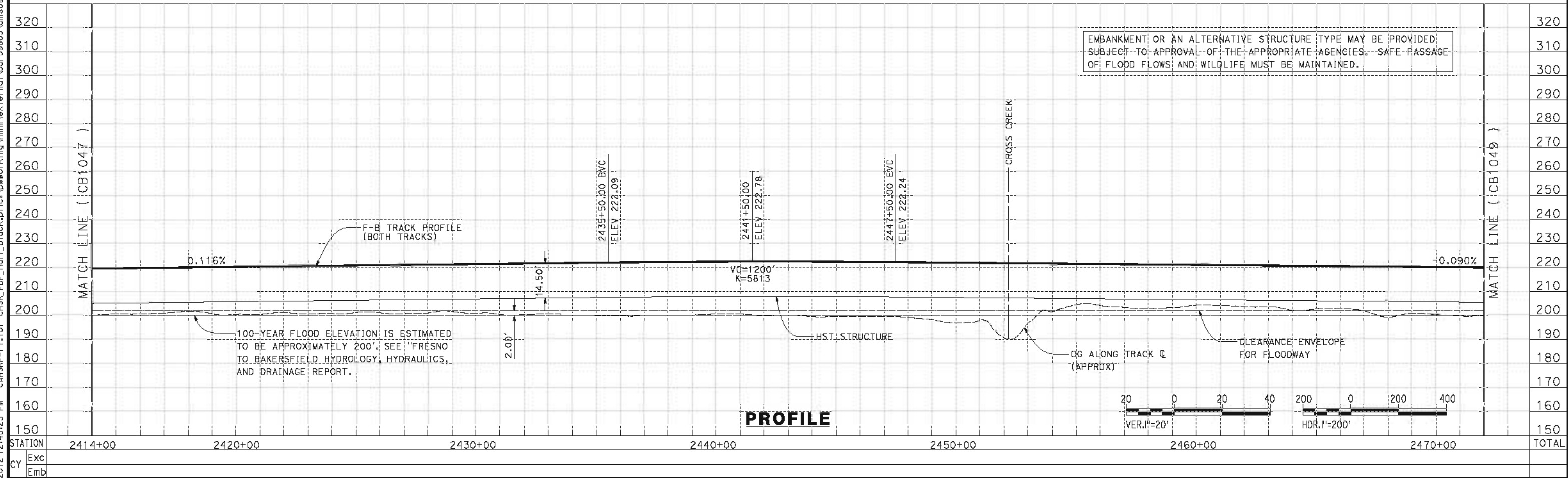
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1047

SCALE
AS SHOWN

SHEET NO.
8 OF 14

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

DRAWN BY
V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2414+00 TO 2472+00
PLAN AND PROFILE

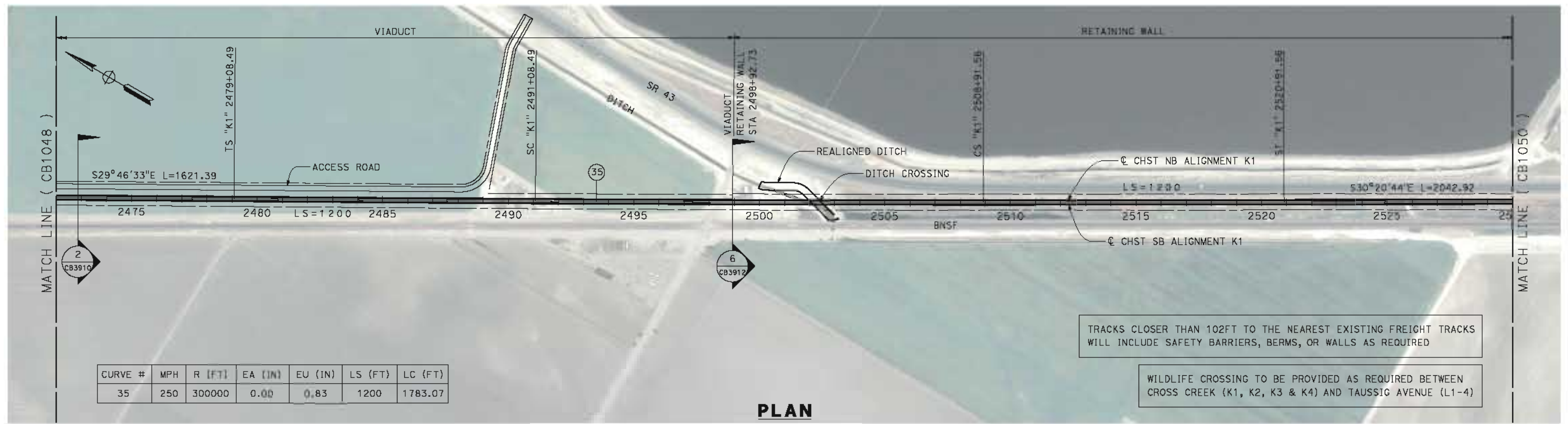
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HSR 06-0003

DRAWING NO.
CB1048

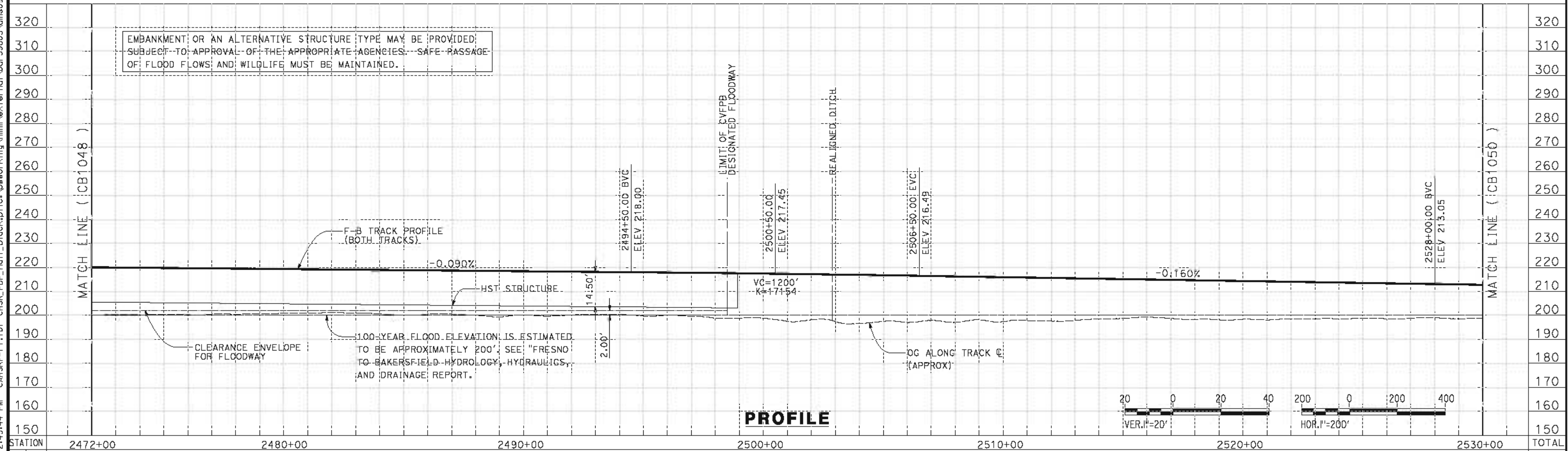
SCALE
AS SHOWN

SHEET NO.
9 OF 14

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
35	250	300000	0.00	0.83	1200	1783.07



STATION	2472+00	2480+00	2490+00	2500+00	2510+00	2520+00	2530+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
Q. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

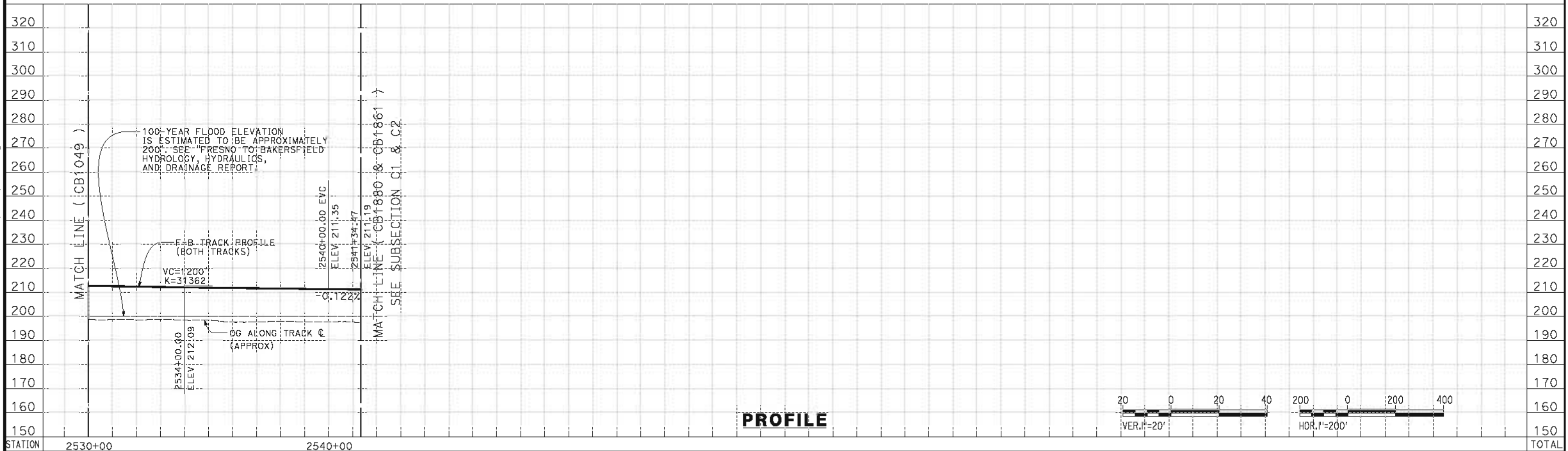


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2472+00 TO 2530+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1049
SCALE
AS SHOWN
SHEET NO.
10 OF 14

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CY	Exc	Emb	TOTAL

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING

DRAWN BY
V. ORTEGA

CHECKED BY
L. TRUJILLO

IN CHARGE
O. EARLE

DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K1
STA 2530+00 TO 2541+34
PLAN AND PROFILE

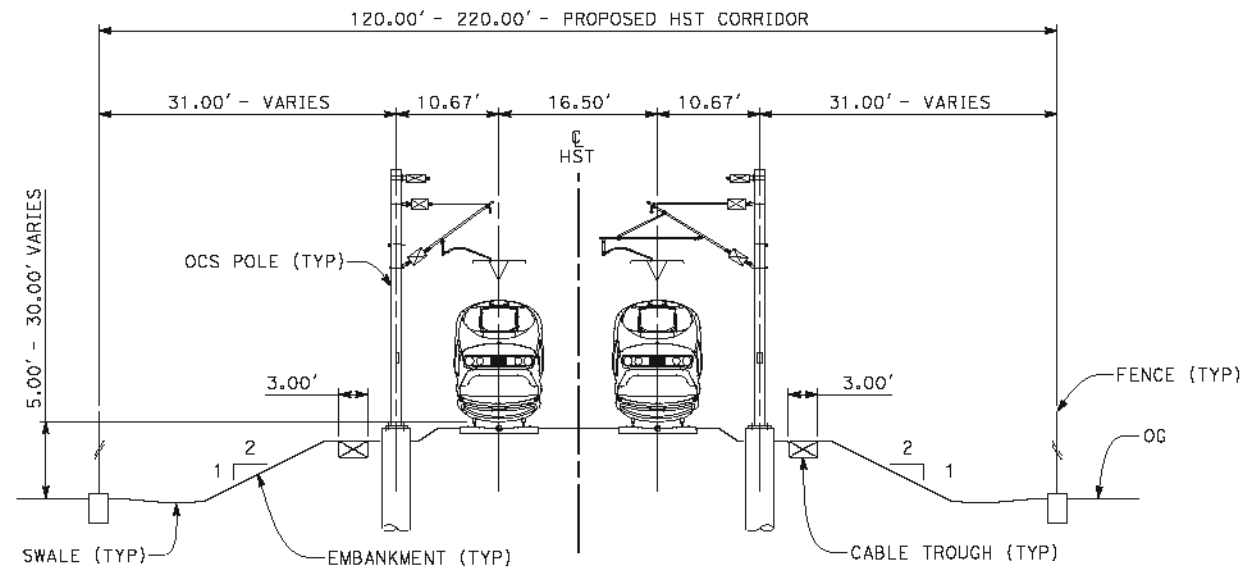
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HSR 06-0003

DRAWING NO.
CB1050

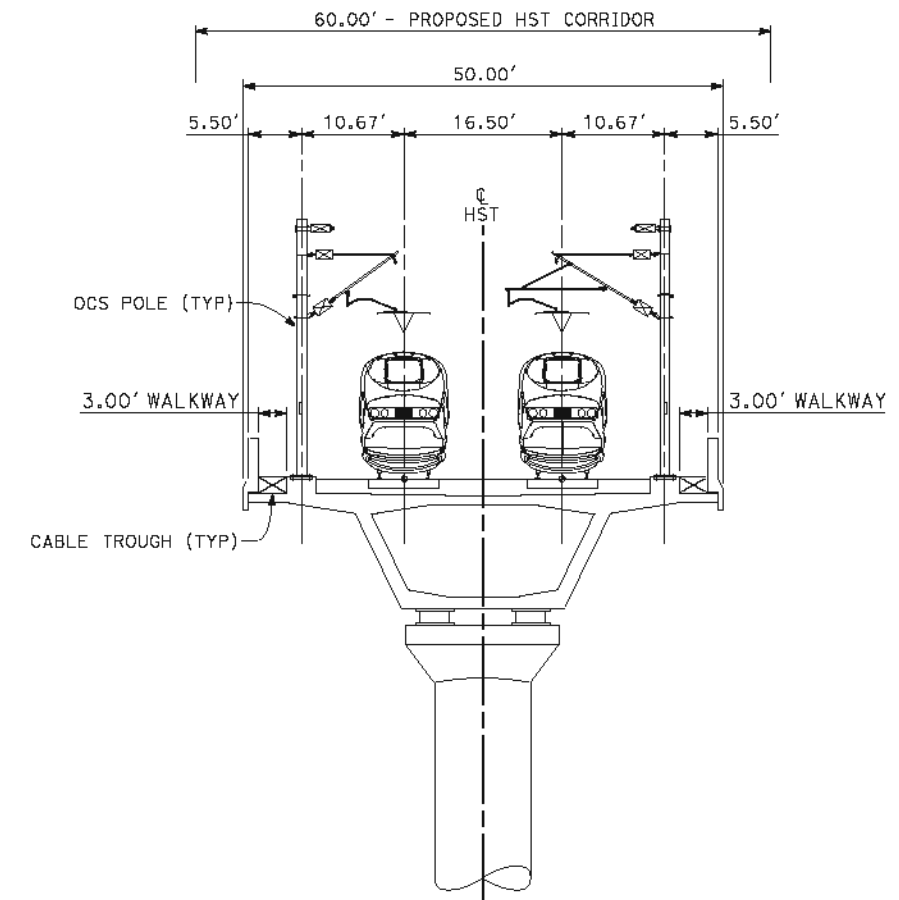
SCALE
AS SHOWN

SHEET NO.
11 OF 14

- 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 1
TWIN TRACK AT GRADE
STA "K1" 2030+04.93 TO 2214+09.10



SECTION 2
TWIN TRACK AERIAL VIADUCT
STA "K1" 2214+09.10 TO 2239+64.29
STA "K1" 2241+23.89 TO 2244+44.45
STA "K1" 2247+31.78 TO 2287+84.10
STA "K1" 2404+32.73 TO 2498+92.73



5/17/2012 12:46:50 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\bar59603\dms09326\FB-CB-3910.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
Q. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

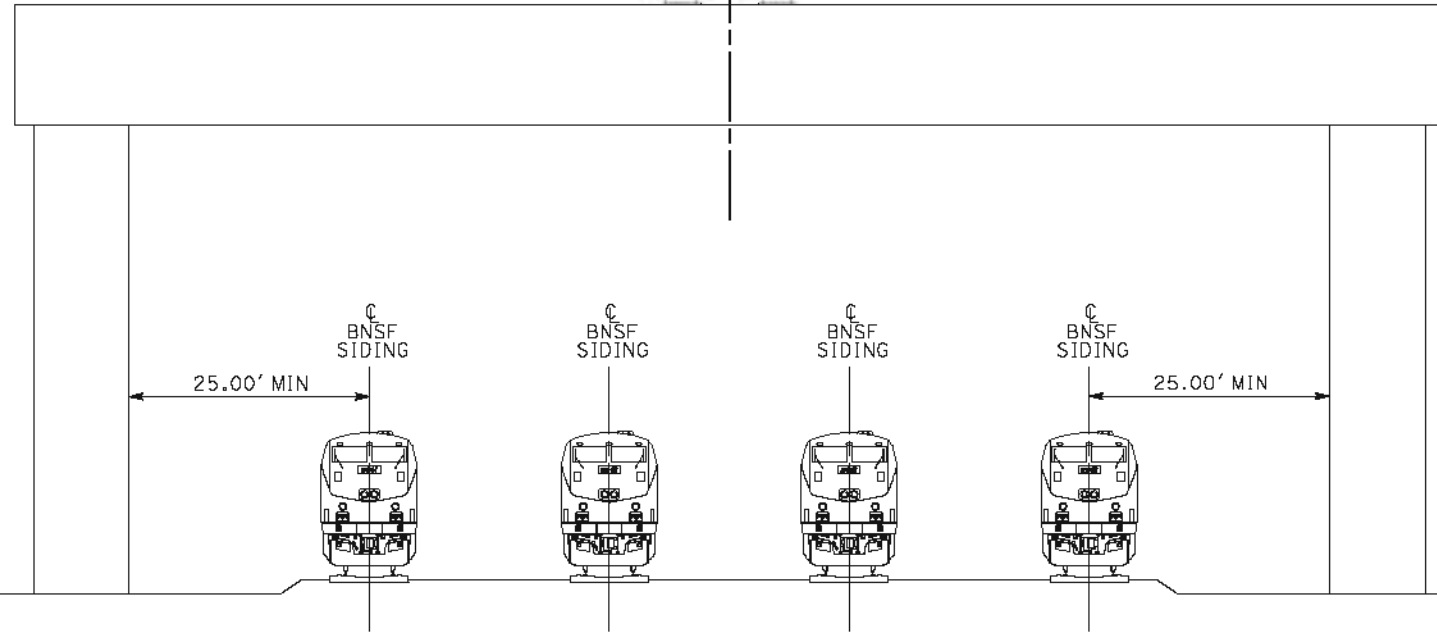
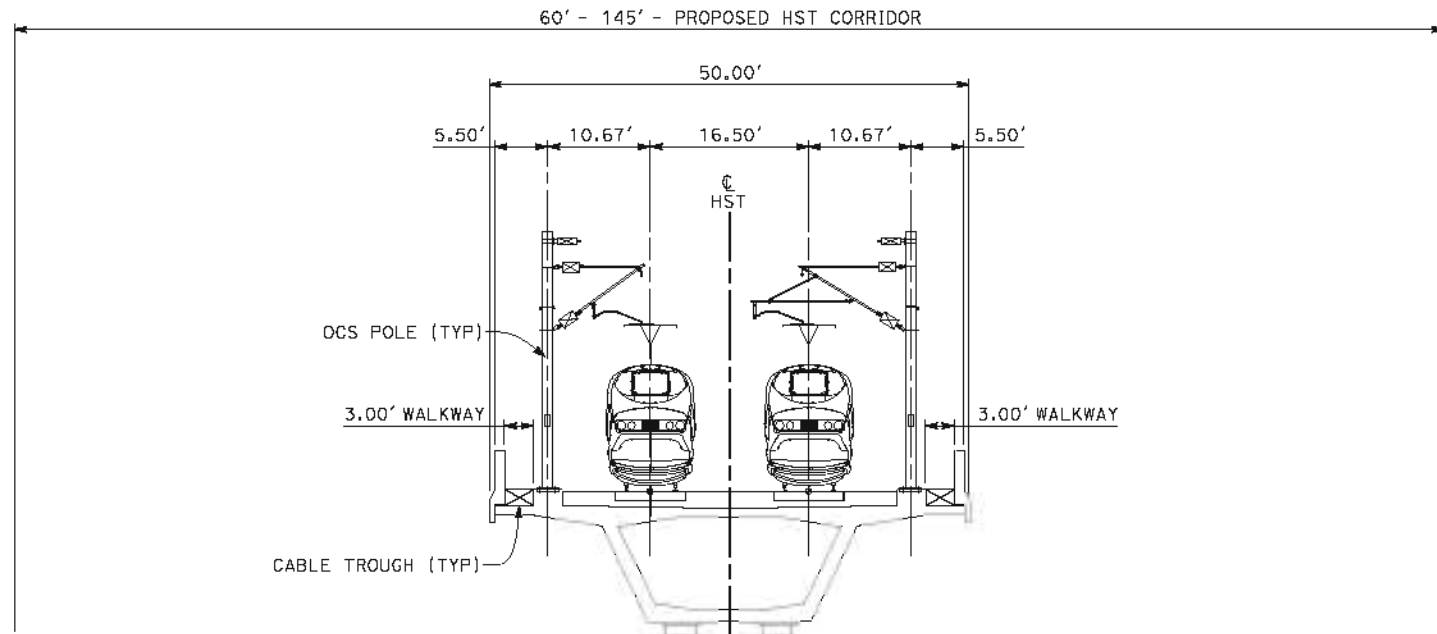


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K1
CROSS SECTIONS

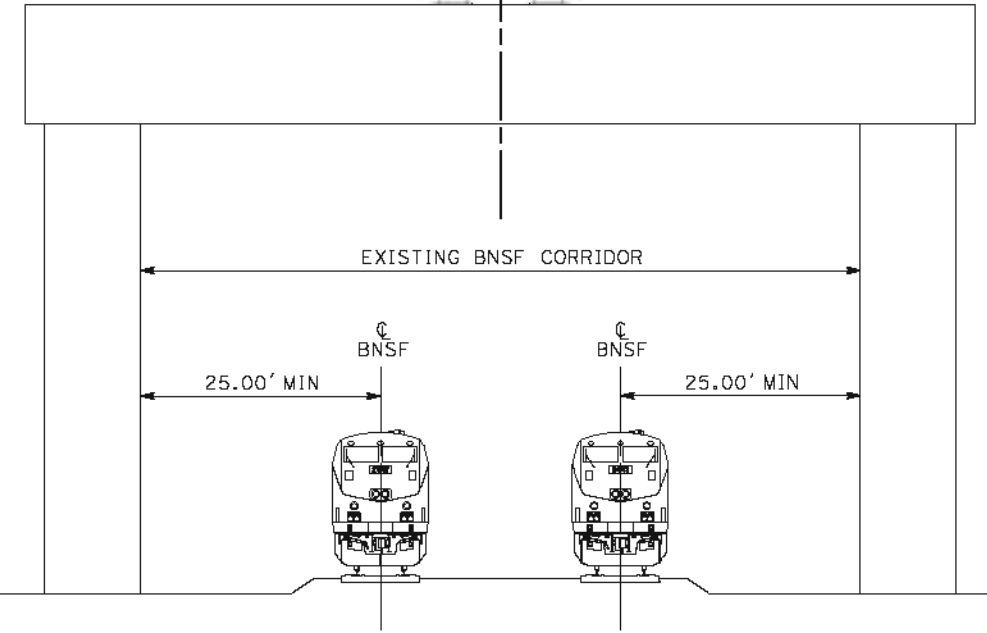
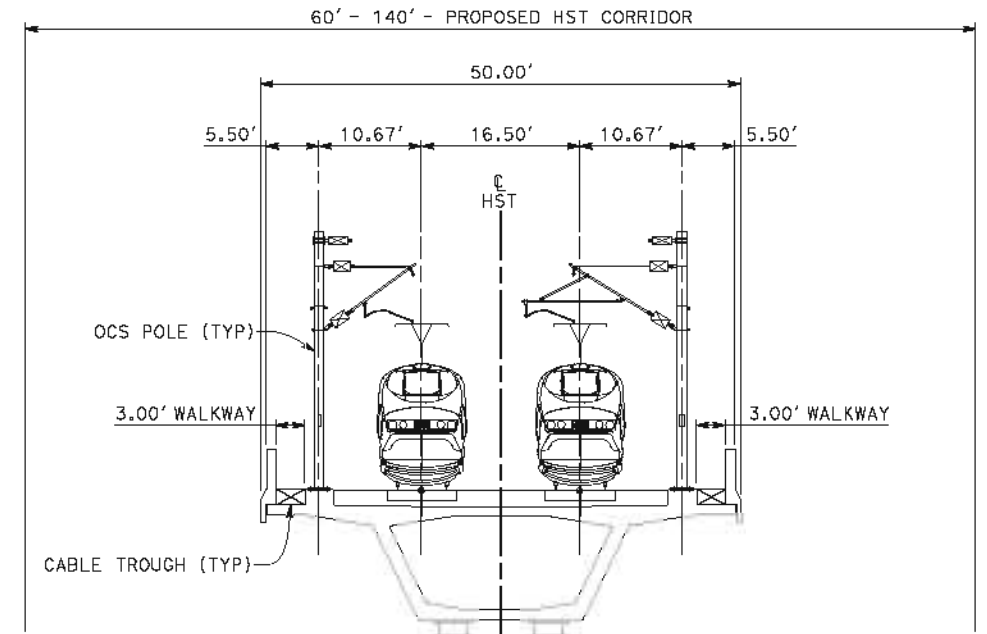
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3910
SCALE
AS SHOWN
SHEET NO.
12 OF 14

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



SECTION 3

TWIN TRACK - AERIAL STRUCTURE WITH STRADDLE BENT
 STA "HW" 2239+64.29 TO 2241+23.89



SECTION 4

TWIN TRACK - AERIAL STRUCTURE WITH STRADDLE BENT
 STA "K1" 2244+44.45 TO 2247+31.78



5/17/2012 12:47:03 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt \\pwworking\hmm\external\bar59603\dms09326\FB-CB-3911.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
Q. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

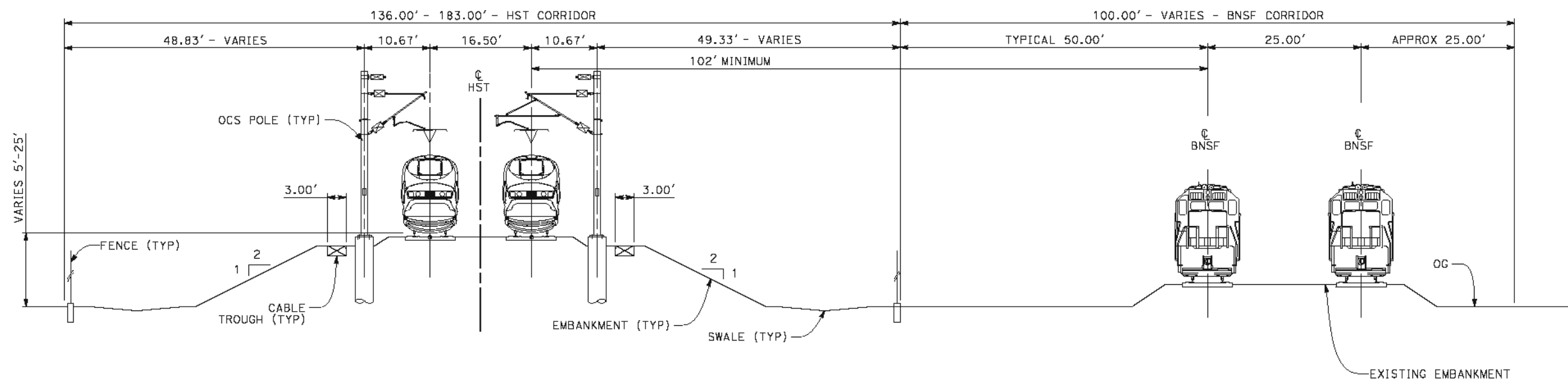


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
 ALIGNMENT K1
 CROSS SECTIONS

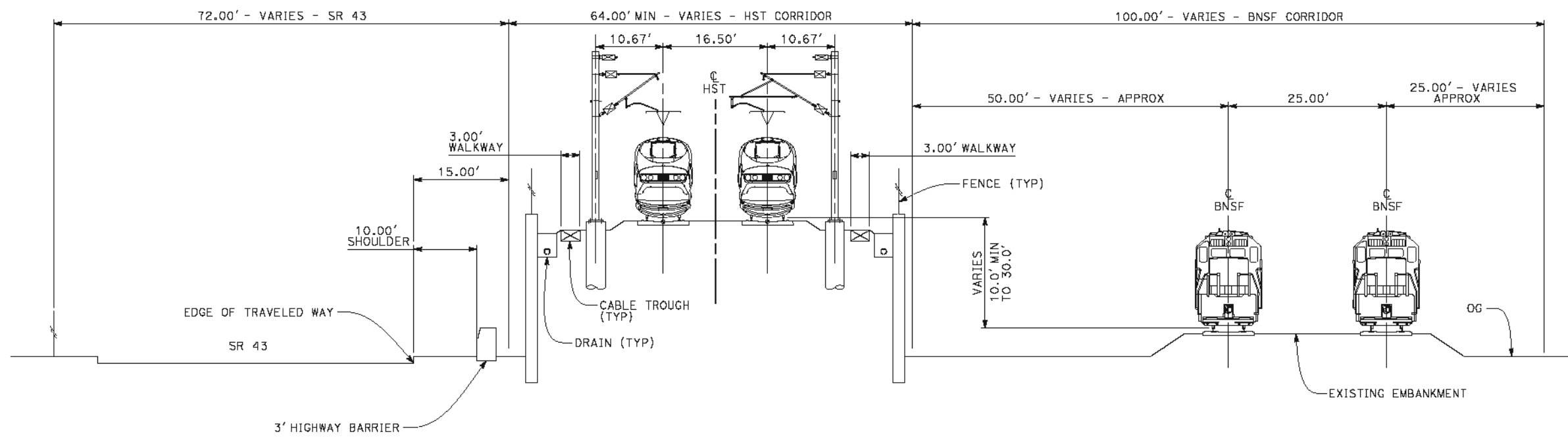
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3911
 SCALE
AS SHOWN
 SHEET NO.
13 OF 14

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



SECTION 5

TWIN TRACK ADJACENT TO BNSF
 STA "K1" 2287+84.10 TO 2404+32.73



SECTION 6

TWIN TRACK - RETAINED EMBANKMENT BETWEEN SR43 AND BNSF
 STA "K1" 2498+92.73 TO 2541+34.47



5/17/2012 12:47:16 PM CAHSR-r1.tbl CAHSR_PDF_half_black.plt \\pwworking\hmm\external\bar59603\dms09326\FB-CB-3912.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
Q. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



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

KAWEAH SUBSECTION
 ALIGNMENT K1
 CROSS SECTIONS

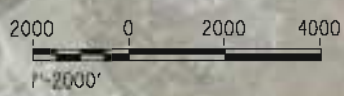
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3912
 SCALE
AS SHOWN
 SHEET NO.
14 OF 14

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LEGEND

- EXISTING FREIGHT RAILROAD
- PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
Q. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2029+93 TO 2601+70
KEY MAP

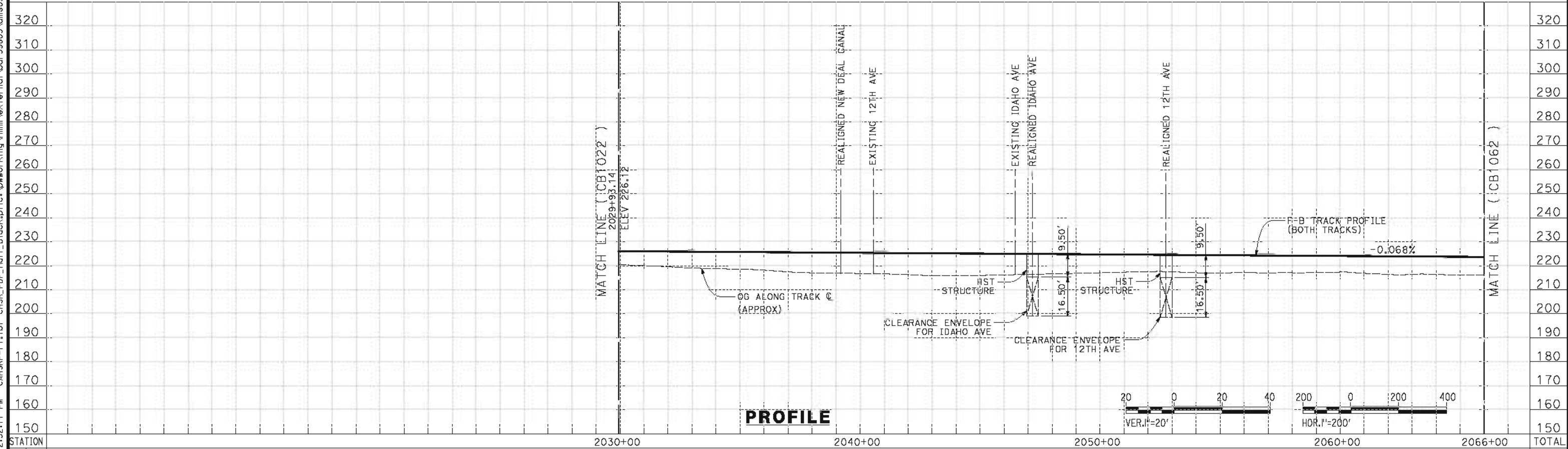
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1060
SCALE
AS SHOWN
SHEET NO.
1 OF 14

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

PLAN



PROFILE

STATION	2030+00	2040+00	2050+00	2060+00	2066+00	TOTAL
Exc						
Emb						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

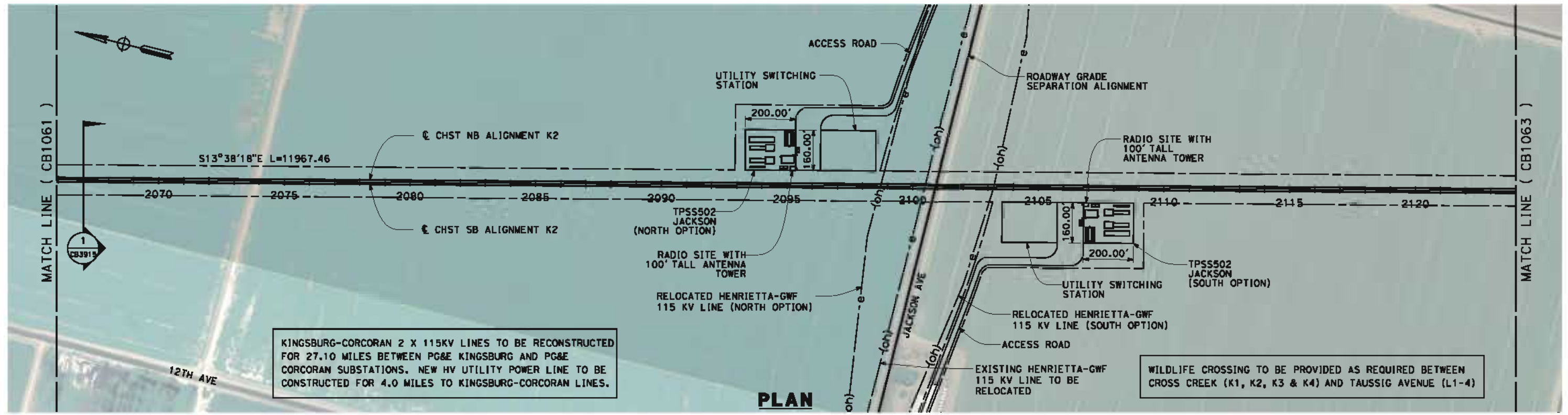
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2029+93 TO 2066+00
PLAN AND PROFILE

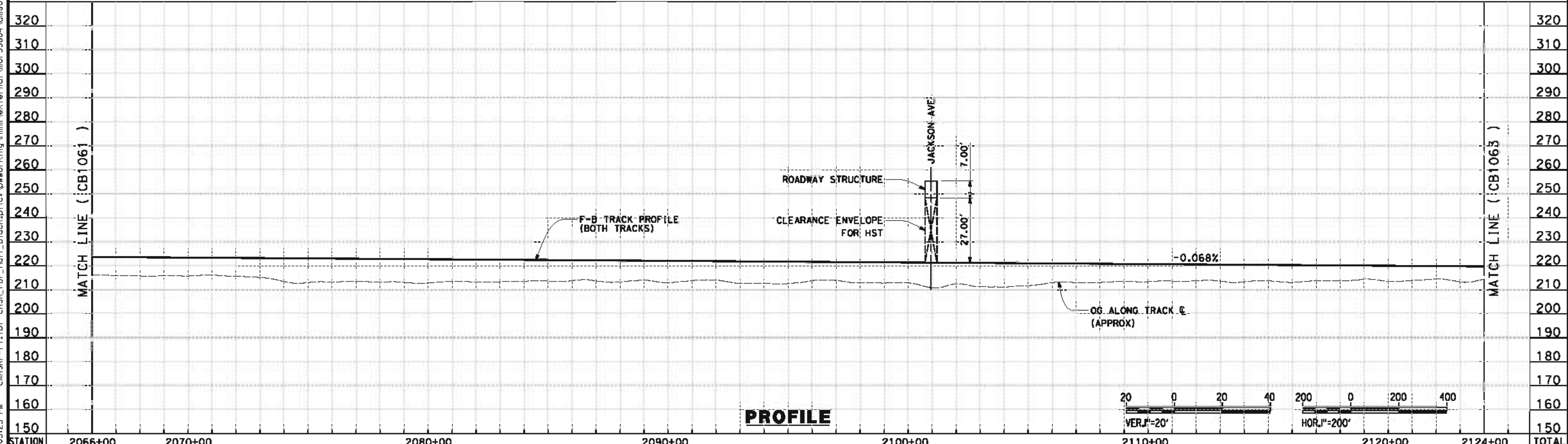
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1061
SCALE
AS SHOWN
SHEET NO.
2 OF 14

5/18/2012 2:05:23 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\mor53804\dms09326\FB-CB-1062.dgn



KINGSBURG-CORCORAN 2 X 115KV LINES TO BE RECONSTRUCTED FOR 27.10 MILES BETWEEN PG&E KINGSBURG AND PG&E CORCORAN SUBSTATIONS. NEW HV UTILITY POWER LINE TO BE CONSTRUCTED FOR 4.0 MILES TO KINGSBURG-CORCORAN LINES.

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



STATION	2066+00	2070+00	2080+00	2090+00	2100+00	2110+00	2120+00	2124+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

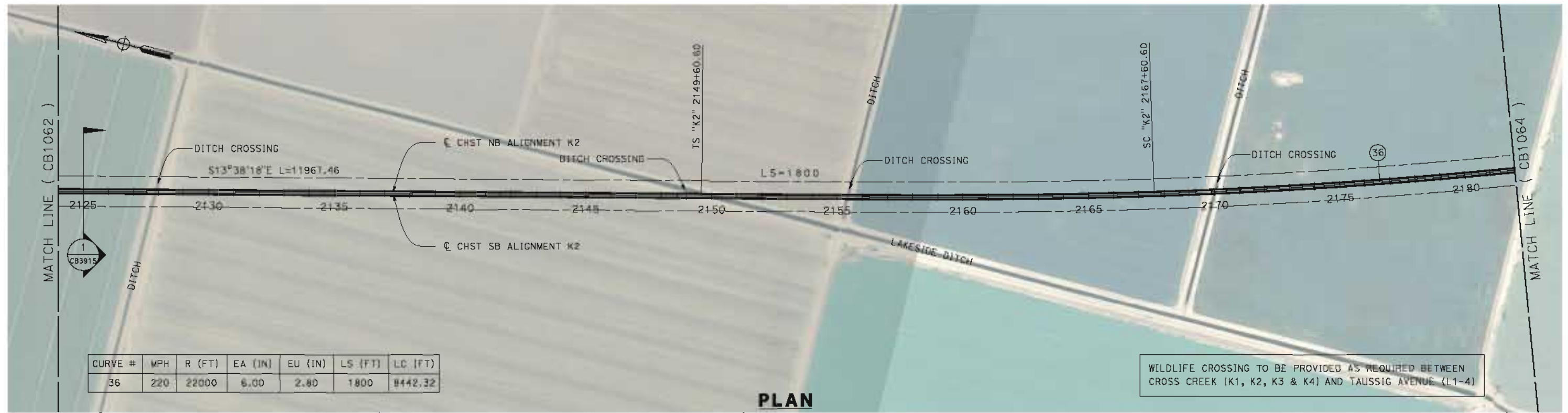


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**

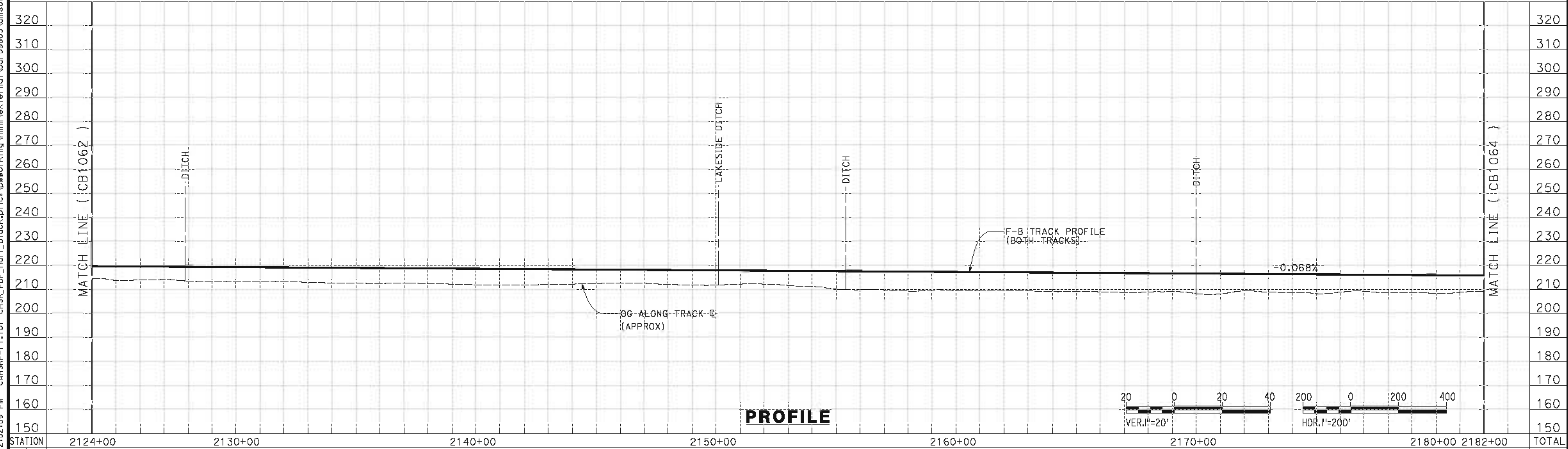
KAWEAH SUBSECTION
 ALIGNMENT K2
 STA 2066+00 TO 2124+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1062
 SCALE
AS SHOWN
 SHEET NO.
3 OF 14

5/17/2012 12:52:59 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\bor59603\dms09326\FB-CB-1063.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
36	220	22000	6.00	2.80	1800	8442.32



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

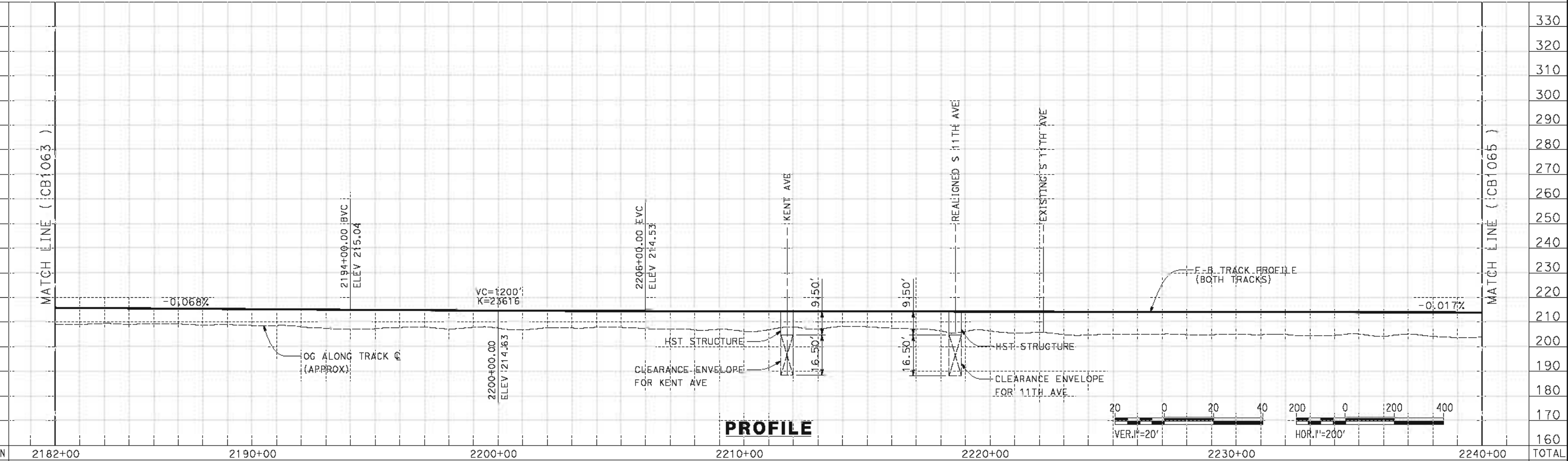
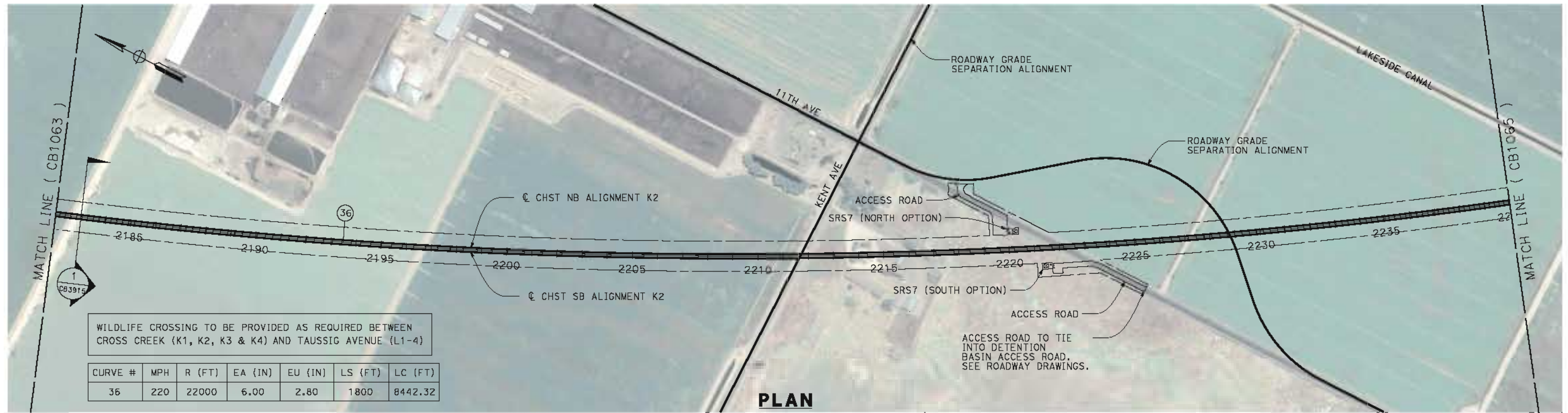


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2124+00 TO 2182+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1063
SCALE
AS SHOWN
SHEET NO.
4 OF 14

5/17/2012 12:53:16 PM CAHSR-r1.tbl CHSR_PDF_half_black.plt c:\pwworking\hmm\external\bor595603\dms09326\FB-CB-1064.dgn



<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>CHK</th> <th>APP</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	CHK	APP	DESCRIPTION							<p>DESIGNED BY J. BINNING</p> <p>DRAWN BY V. ORTEGA</p> <p>CHECKED BY L. TRUJILLO</p> <p>IN CHARGE O. EARLE</p> <p>DATE 05/18/12</p>	<p>RECORD SET 15% DESIGN SUBMISSION</p> <p>NOT FOR CONSTRUCTION</p>			<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD</p> <p>KAWEAH SUBSECTION ALIGNMENT K2 STA 2182+00 TO 2240+00 PLAN AND PROFILE</p>	<p>CONTRACT NO. HSR 06-0003</p> <p>DRAWING NO. CB1064</p> <p>SCALE AS SHOWN</p> <p>SHEET NO. 5 OF 14</p>
REV	DATE	BY	CHK	APP	DESCRIPTION													

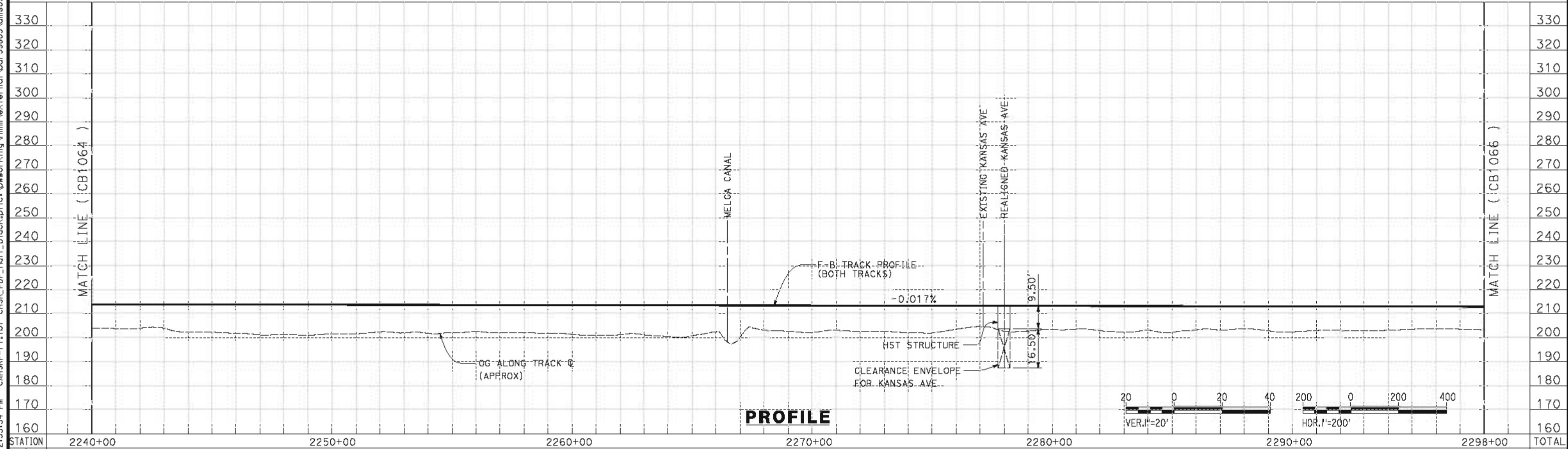
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WILDLIFE CROSSING TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
36	220	22000	6.00	2.80	1800	8442.32

PLAN



PROFILE

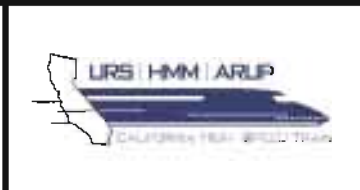
STATION	2240+00	2250+00	2260+00	2270+00	2280+00	2290+00	2298+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

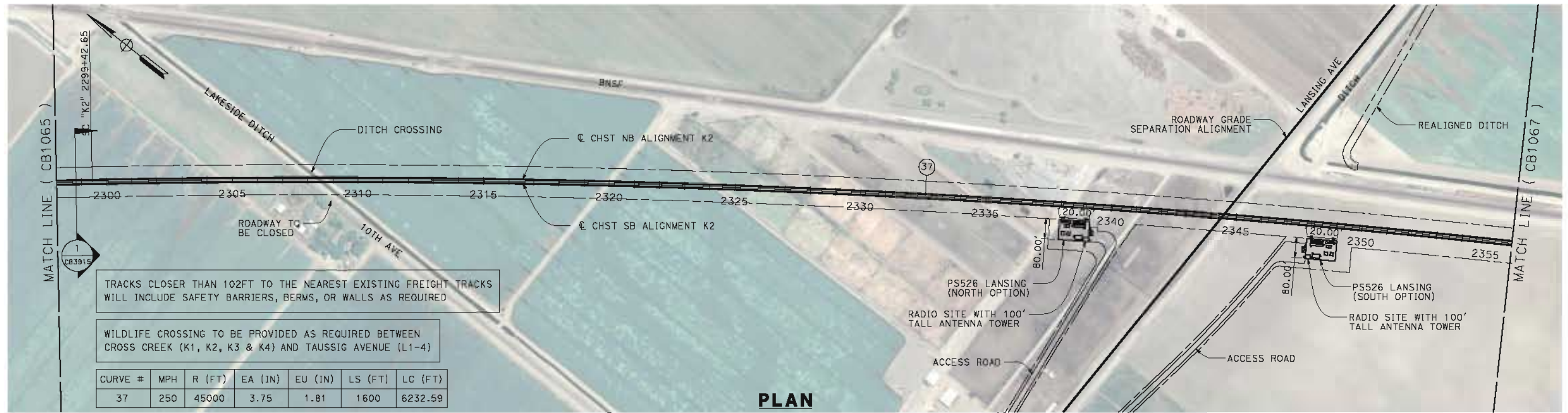
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2240+00 TO 2298+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1065
SCALE
AS SHOWN
SHEET NO.
6 OF 14

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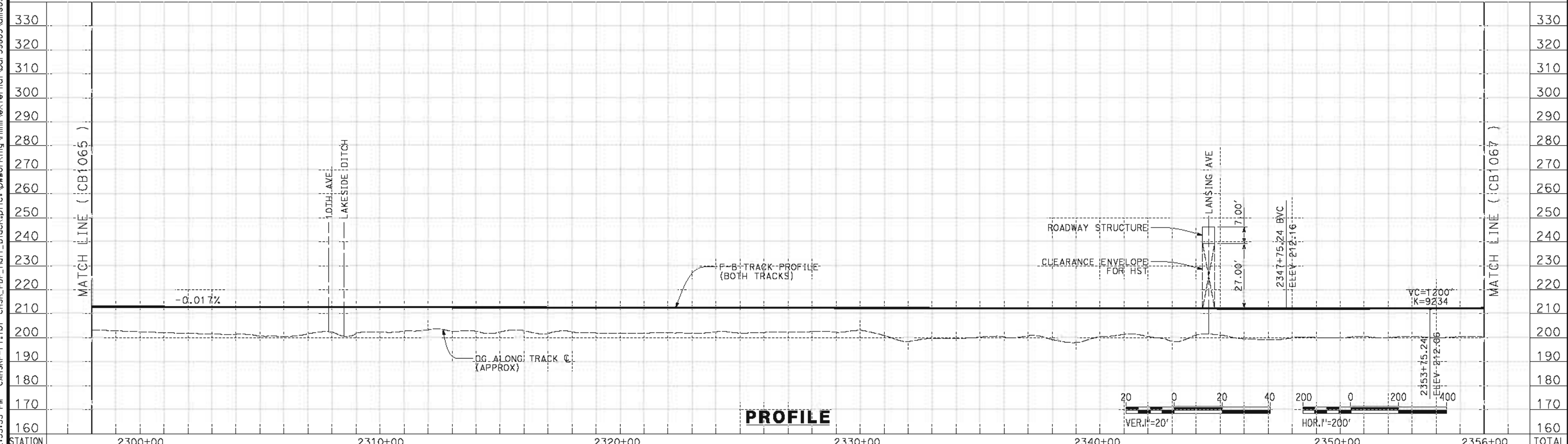


TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

WILDLIFE CROSSING 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)
37	250	45000	3.75	1.81	1600	6232.59

PLAN



PROFILE

STATION	2300+00	2310+00	2320+00	2330+00	2340+00	2350+00	2356+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

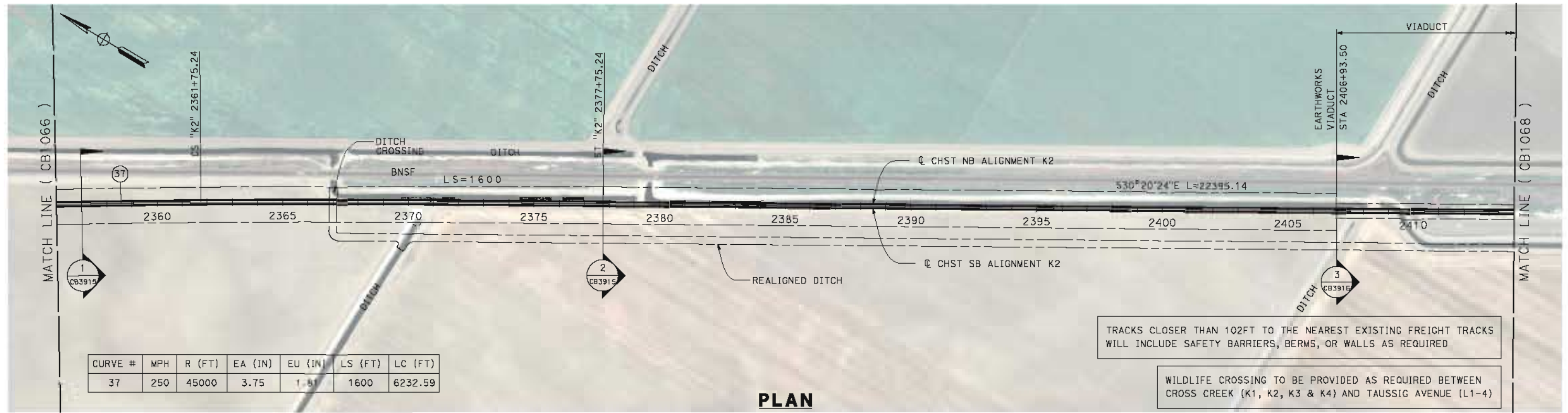
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2298+00 TO 2356+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1066
SCALE
AS SHOWN
SHEET NO.
7 OF 14

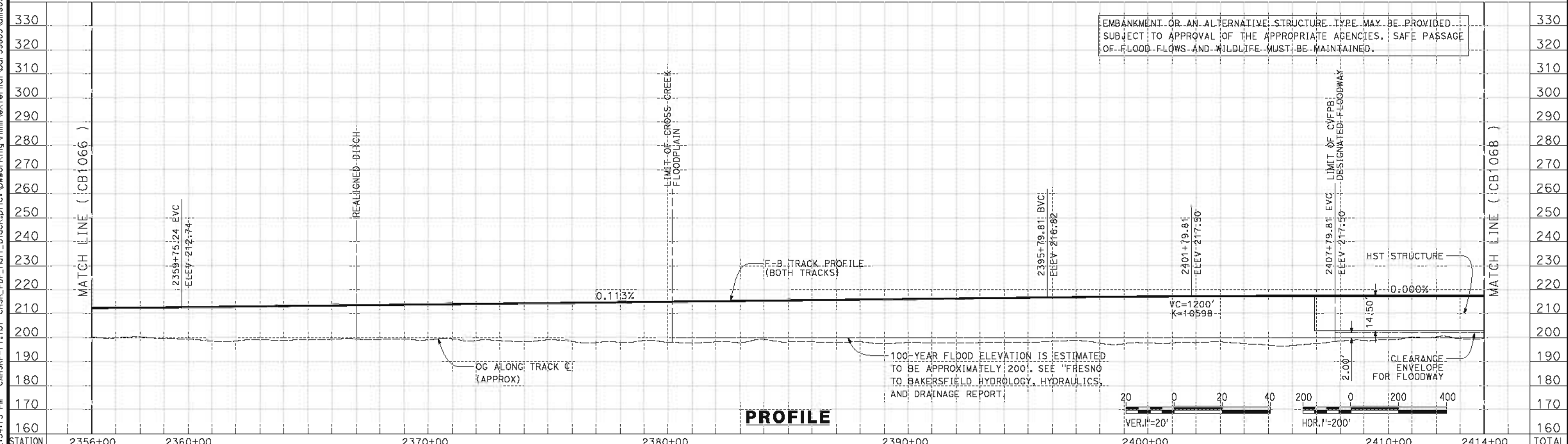
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PLAN

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

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



PROFILE

STATION	2356+00	2360+00	2370+00	2380+00	2390+00	2400+00	2410+00	2414+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

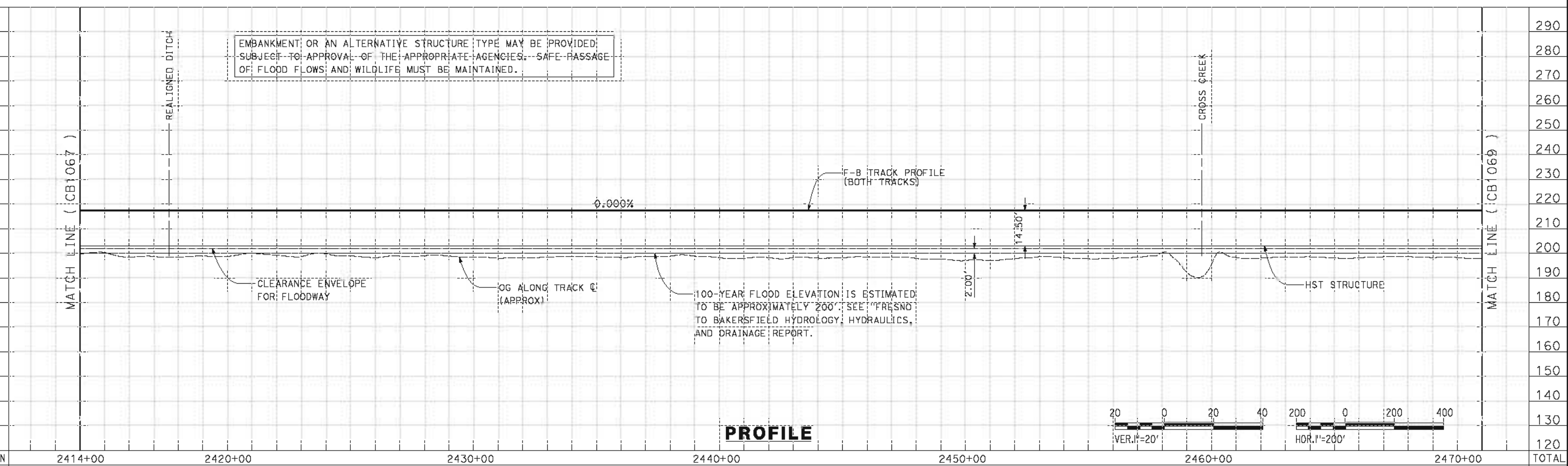
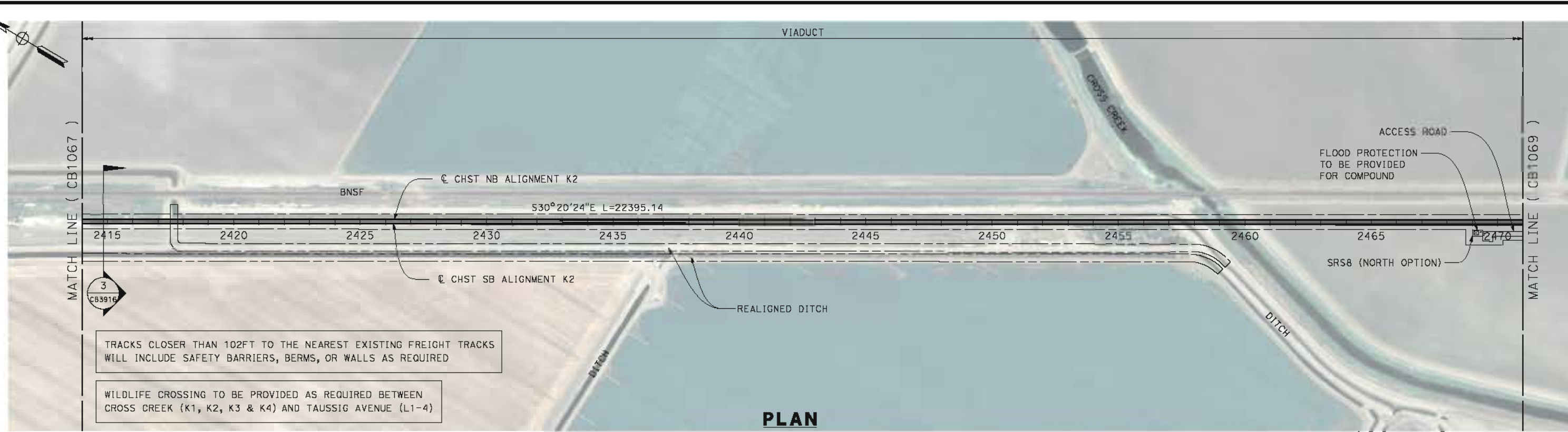


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2356+00 TO 2414+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1067
SCALE
AS SHOWN
SHEET NO.
8 OF 14

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

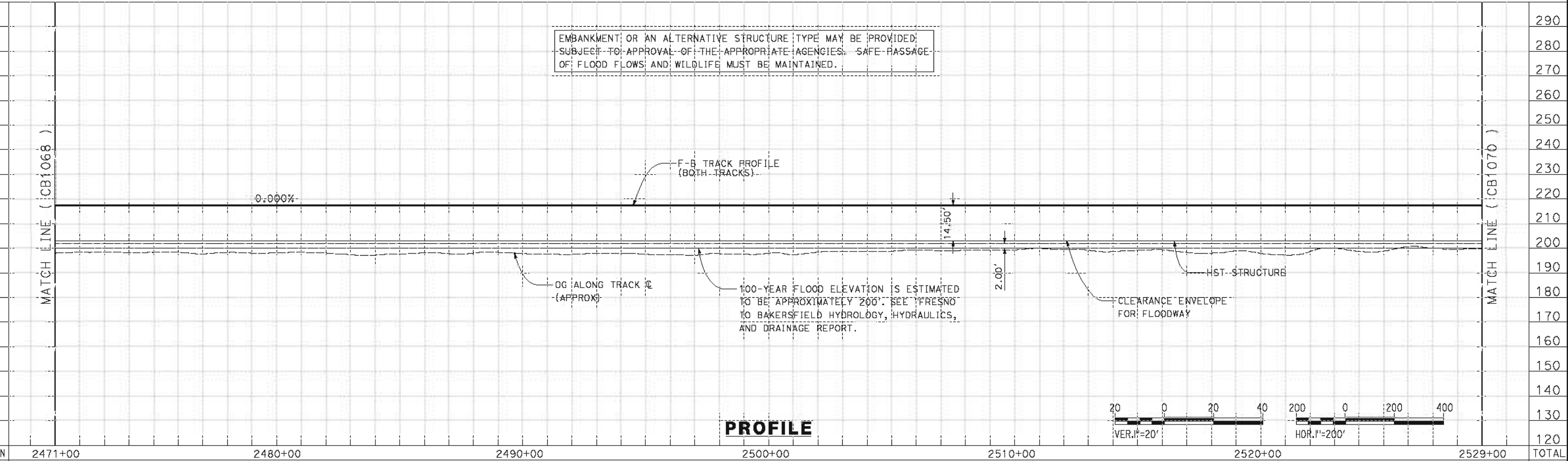
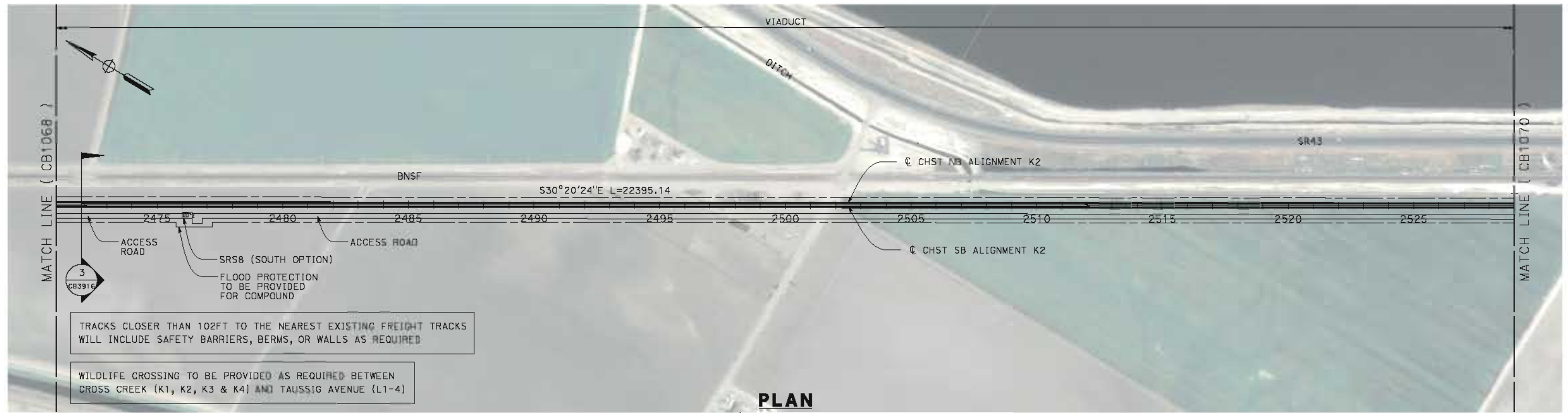
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2414+00 TO 2471+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1068
SCALE
AS SHOWN
SHEET NO.
9 OF 14

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

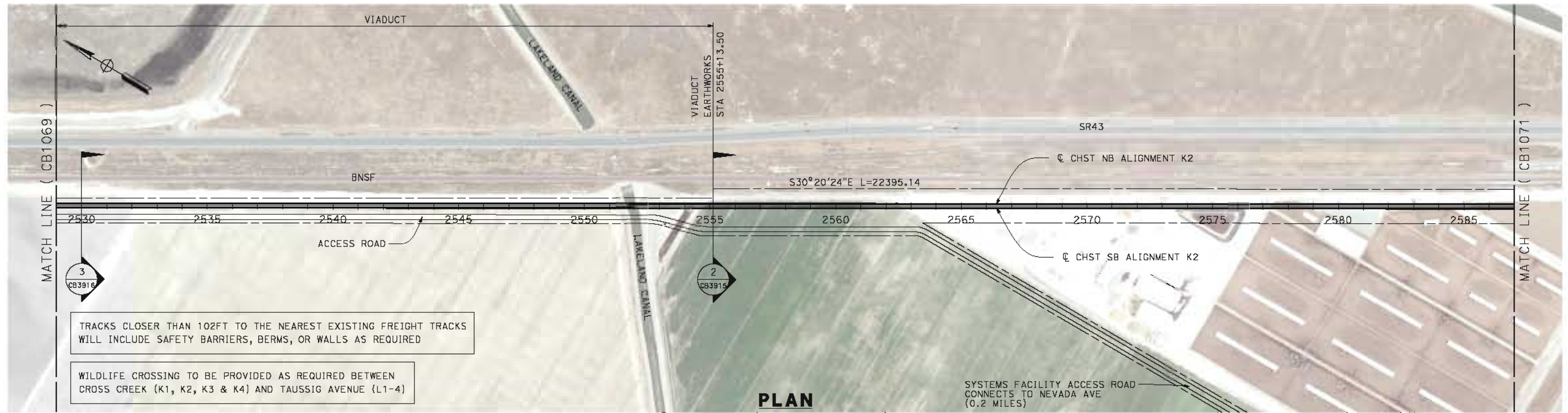
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2471+00 TO 2529+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1069
SCALE
AS SHOWN
SHEET NO.
10 OF 14

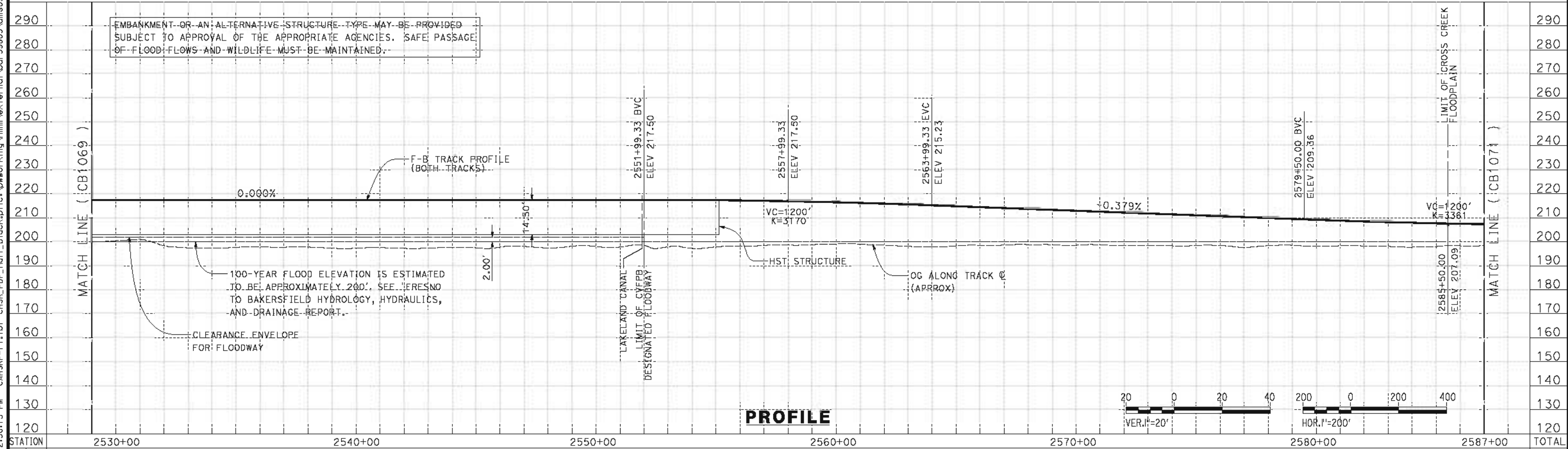
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TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

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

PLAN



PROFILE

STATION	2530+00	2540+00	2550+00	2560+00	2570+00	2580+00	2587+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
DRAWN BY
V. ORTEGA
CHECKED BY
L. TRUJILLO
IN CHARGE
O. EARLE
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2529+00 TO 2587+00
PLAN AND PROFILE

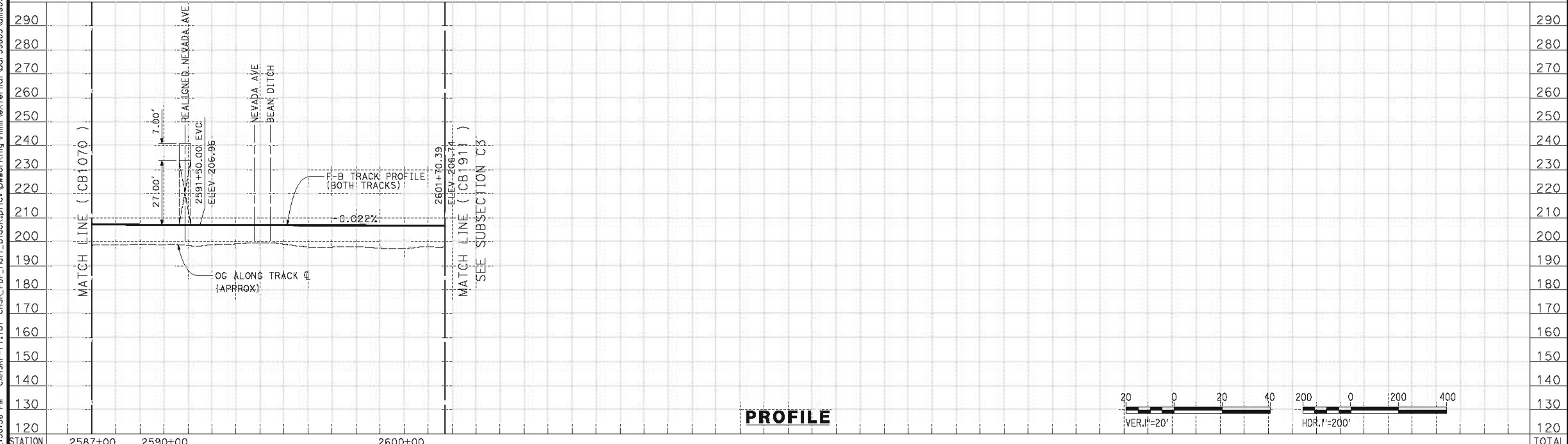
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DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.
11 OF 14

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

WILDLIFE CROSSING 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
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
O. EARLE
 DATE
05/18/12

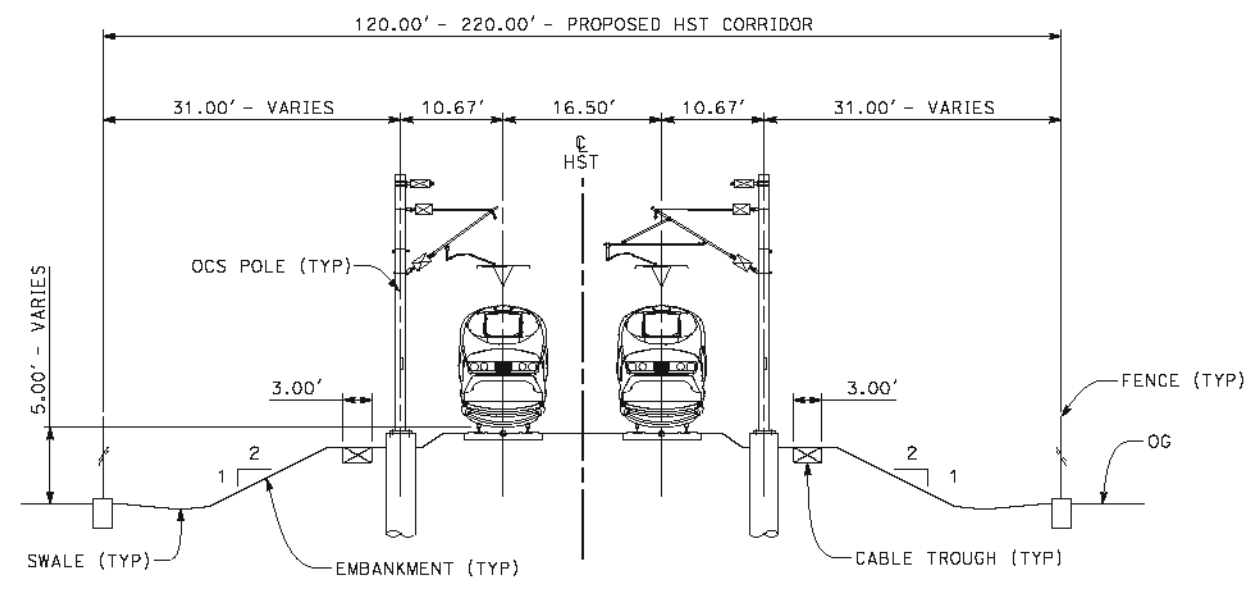
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 KAWEAH SUBSECTION
 ALIGNMENT K2
 STA 2587+00 TO 2601+70
 PLAN AND PROFILE

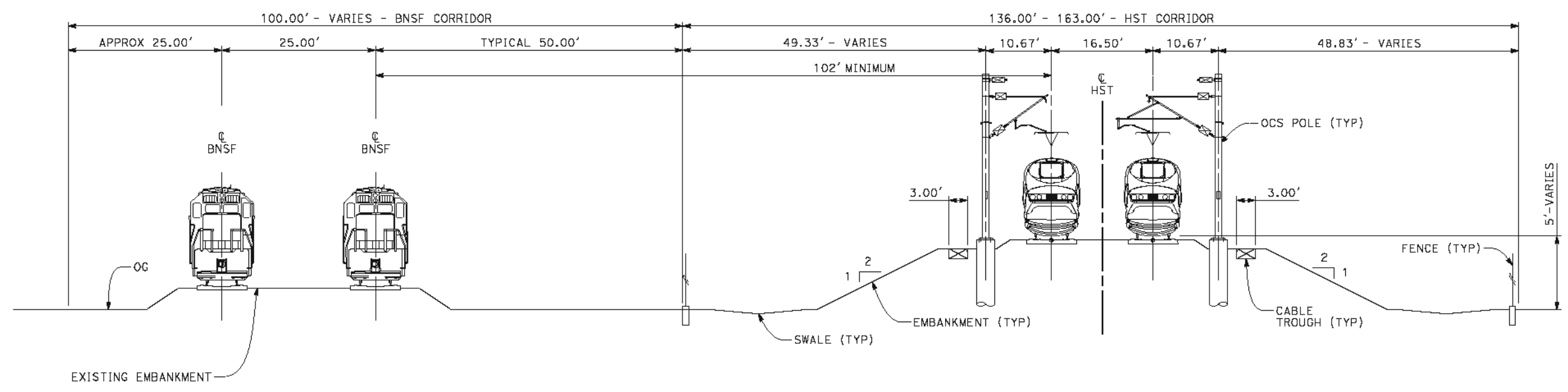
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1071
 SCALE
AS SHOWN
 SHEET NO.
12 OF 14

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



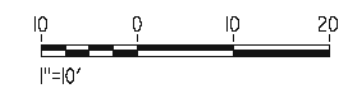
SECTION 1

TWIN TRACK AT GRADE
 STA "K2" 2029+93.14 TO 2377+75.24



SECTION 2

TWIN TRACK ADJACENT TO BNSF
 STA "K2" 2377+75.24 TO 2406+93.50
 STA "K2" 2555+13.50 TO 2601+70.39



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
Q. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**



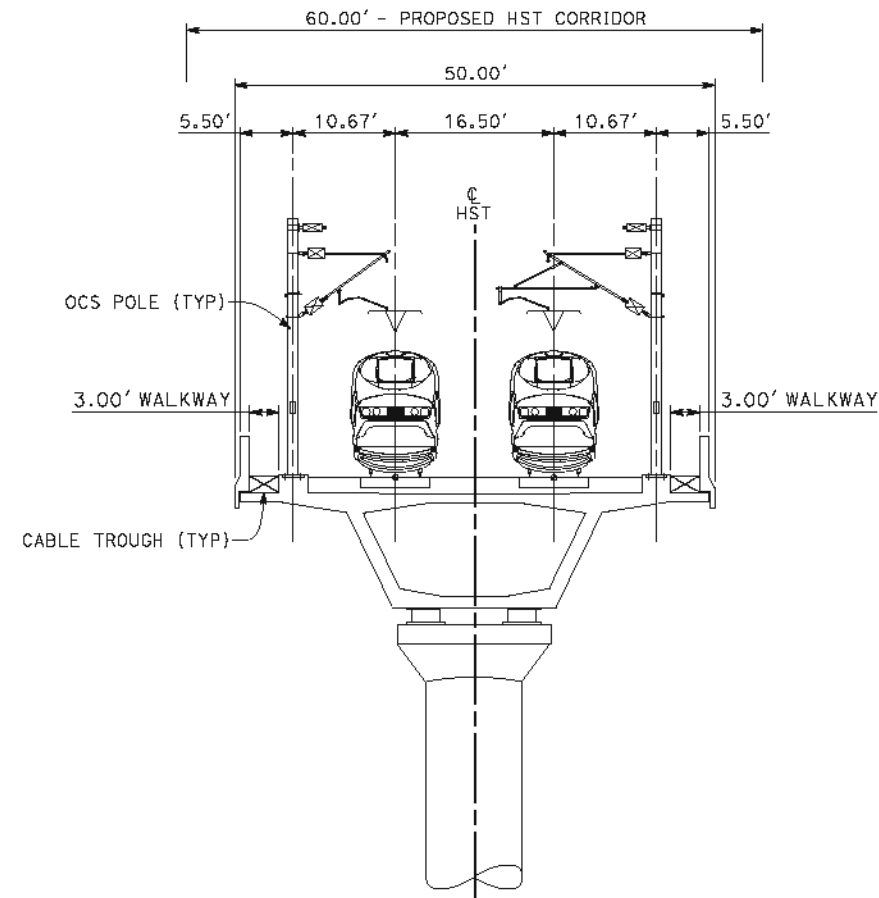
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
 ALIGNMENT K2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3915
 SCALE
AS SHOWN
 SHEET NO.
13 OF 14

NOTES:

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



SECTION 3

TWIN TRACK AERIAL VIADUCT
 STA "K2" 2406+93.50 TO 2555+13.50



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. BINNING
 DRAWN BY
V. ORTEGA
 CHECKED BY
L. TRUJILLO
 IN CHARGE
Q. EARLE
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

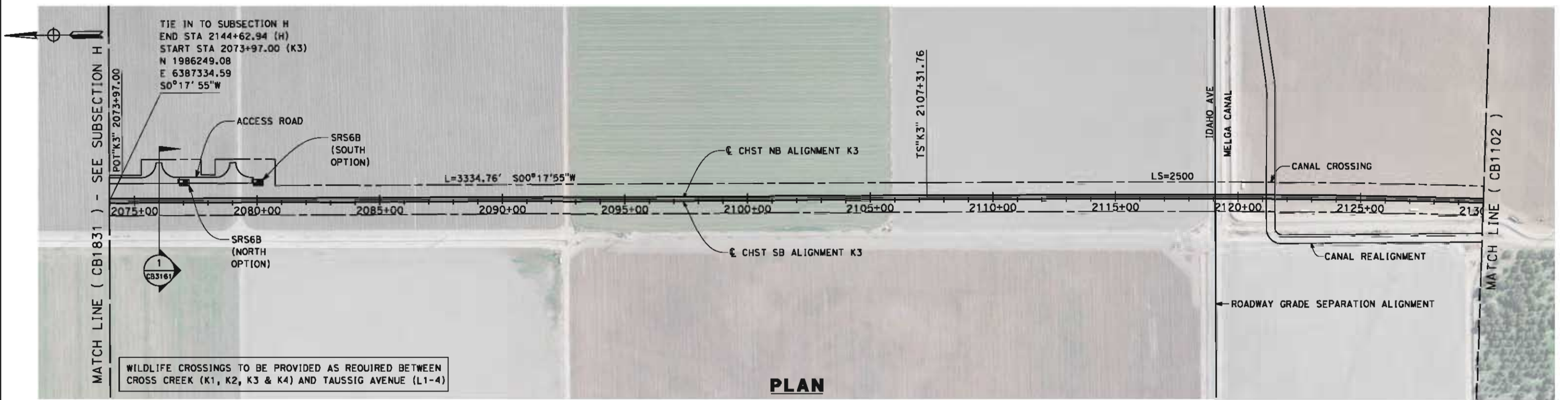


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**

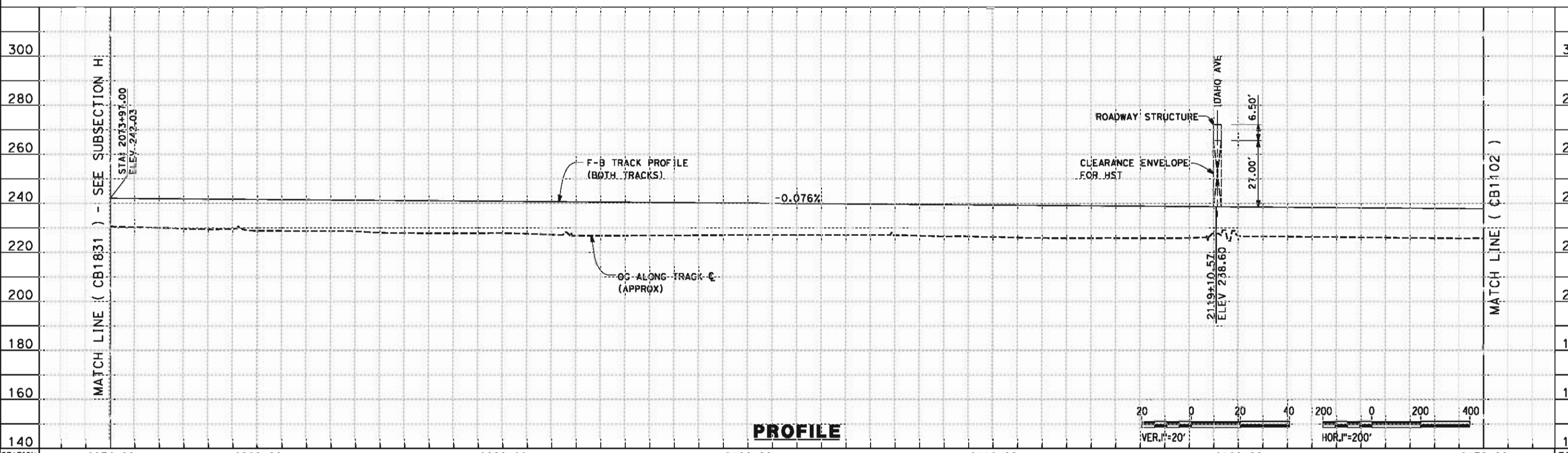
KAWEAH SUBSECTION
 ALIGNMENT K2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3916
 SCALE
AS SHOWN
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14 OF 14

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PLAN



PROFILE

STATION	2074+00	2080+00	2090+00	2100+00	2110+00	2120+00	2130+00	TOTAL
CY	Exc							
	Emb							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

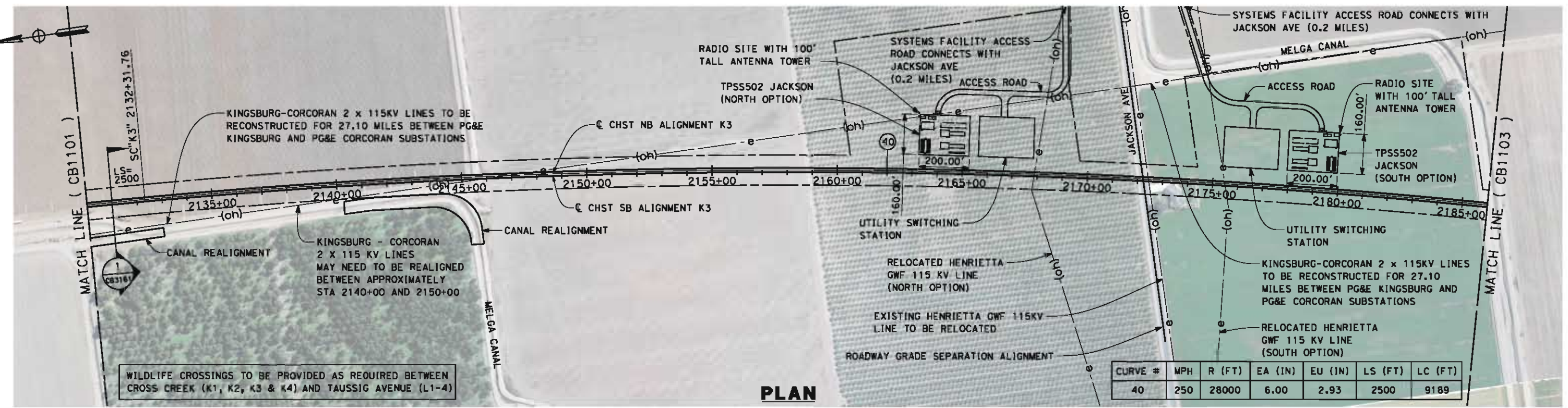


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

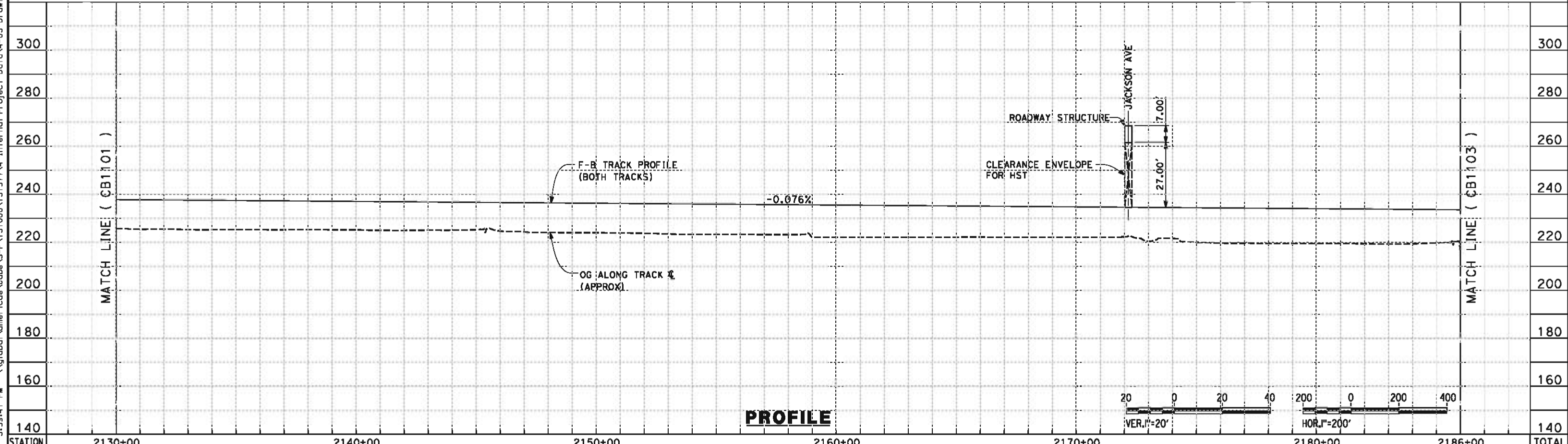
KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2073+97 TO 2130+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1101
SCALE
AS SHOWN
SHEET NO.
2 OF 15

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PLAN



PROFILE

STATION	2130+00	2140+00	2150+00	2160+00	2170+00	2180+00	2186+00	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

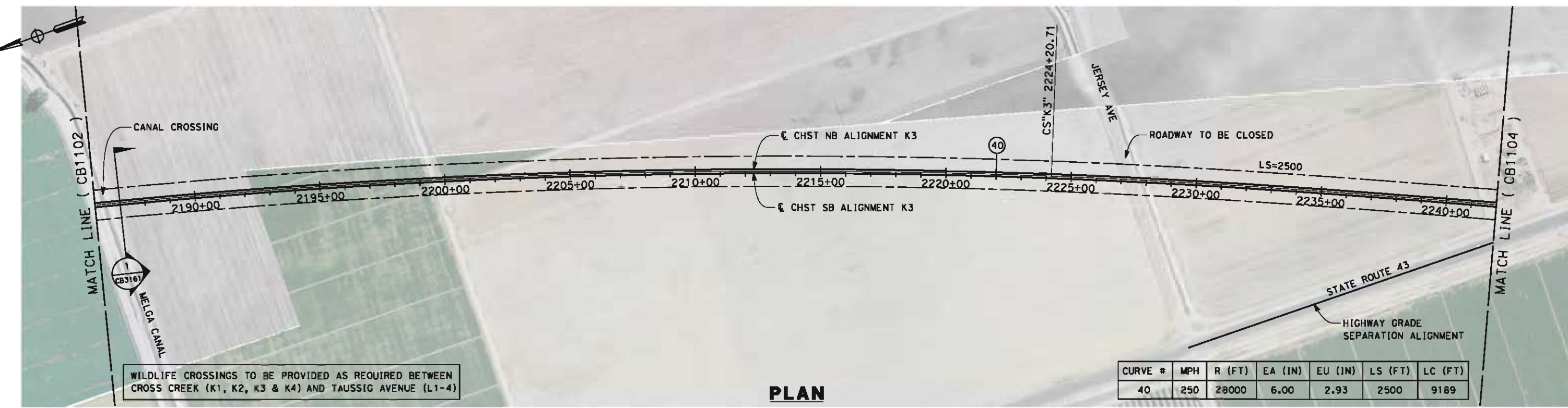
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CONSTRUCTION**



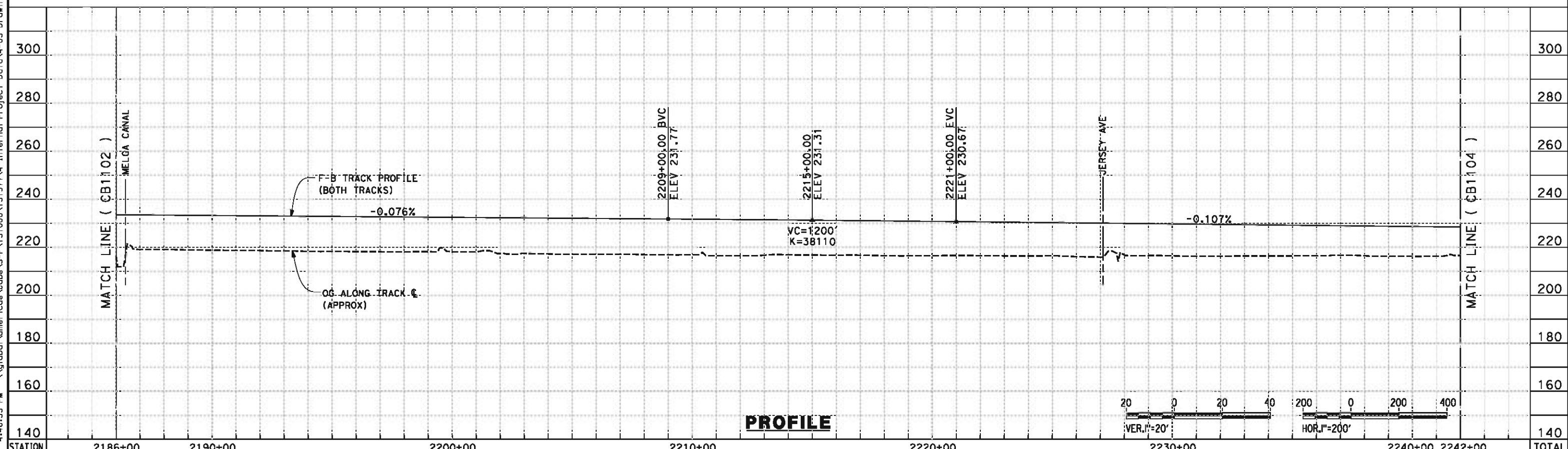
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 KAWEAH SUBSECTION
 ALIGNMENT K3
 STA. 2130+00 TO 2186+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1102
 SCALE
AS SHOWN
 SHEET NO.
3 OF 15

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PLAN



PROFILE

STATION	2186+00	2190+00	2200+00	2210+00	2220+00	2230+00	2240+00	2242+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

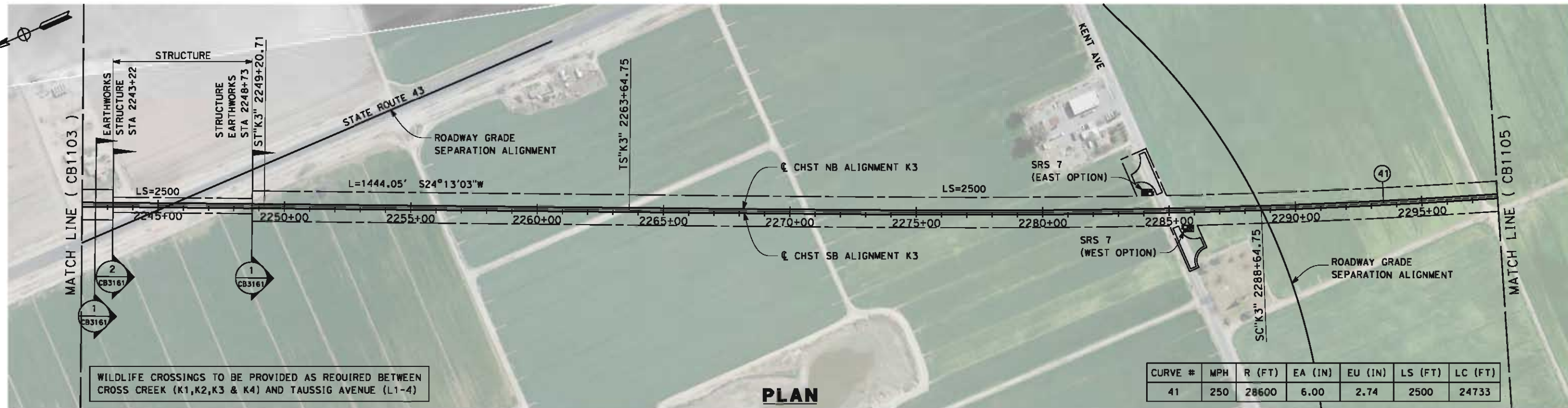
**NOT FOR
CONSTRUCTION**



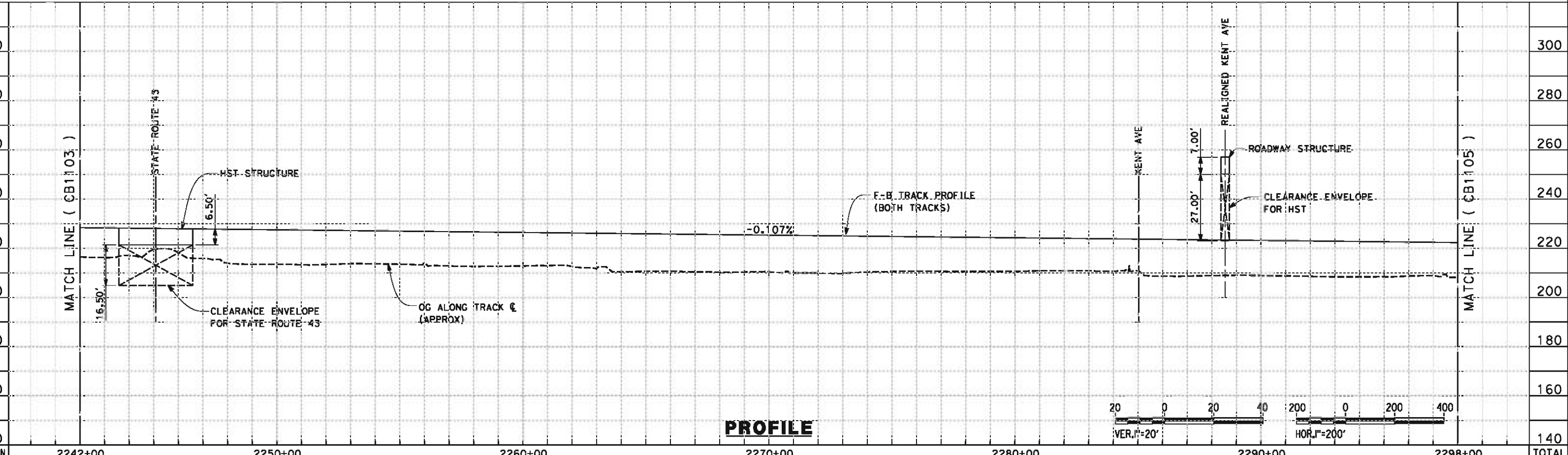
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2186+00 TO 2242+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1103
SCALE
AS SHOWN
SHEET NO.
4 OF 15

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



STATION	2242+00	2250+00	2260+00	2270+00	2280+00	2290+00	2298+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2242+00 TO 2298+00
PLAN AND PROFILE

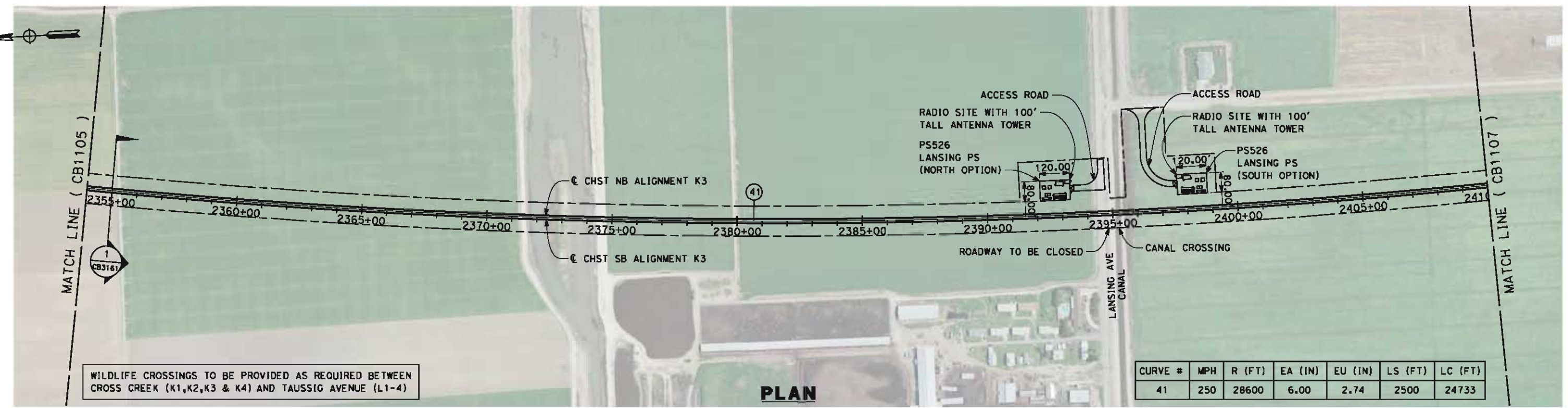
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HSR 06-0003

DRAWING NO.
CB1104

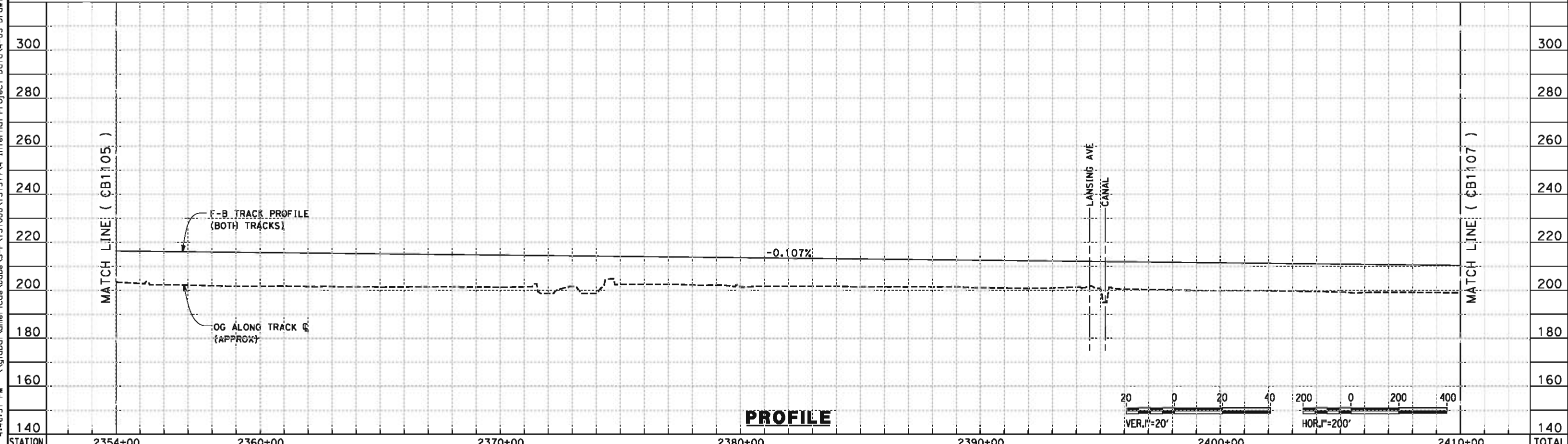
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AS SHOWN

SHEET NO.
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
41	250	28600	6.00	2.74	2500	24733



STATION	2354+00	2360+00	2370+00	2380+00	2390+00	2400+00	2410+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2354+00 TO 2410+00
PLAN AND PROFILE

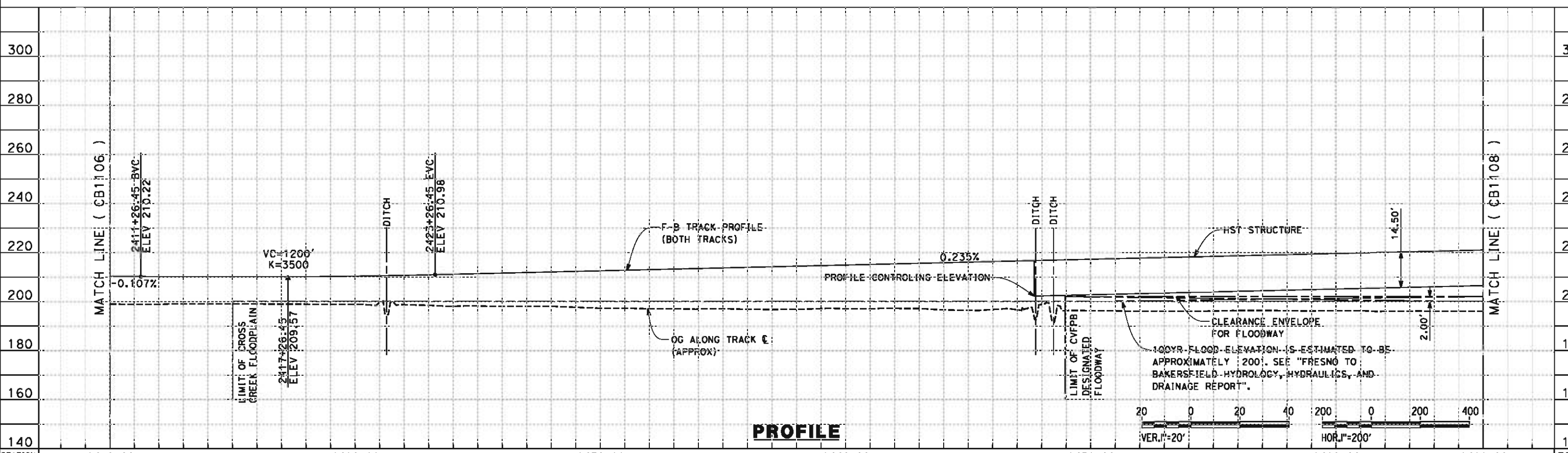
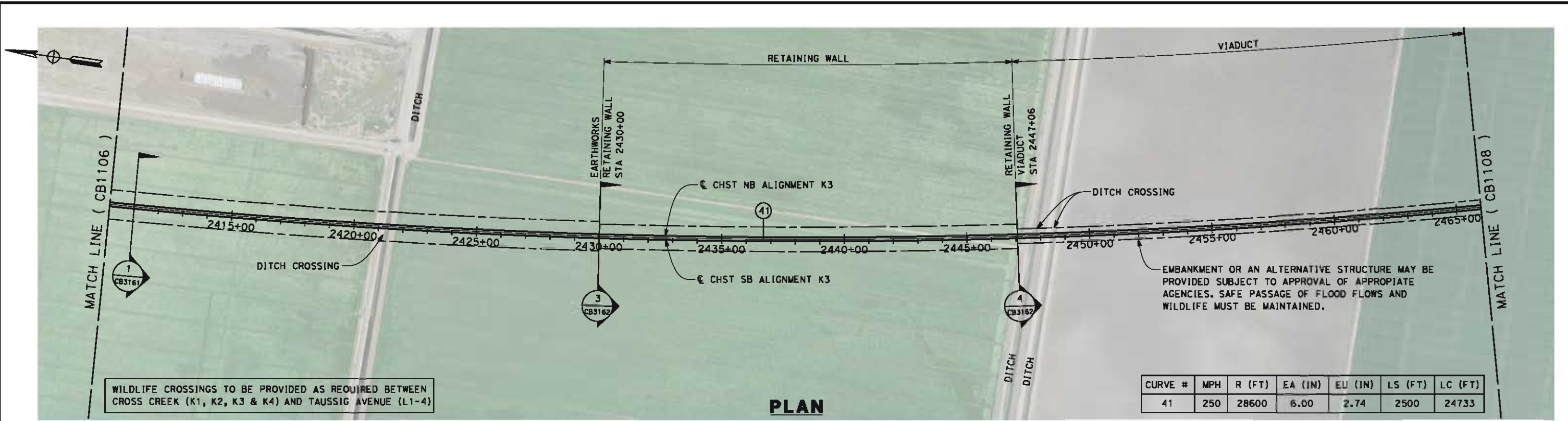
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1106

SCALE
AS SHOWN

SHEET NO.
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STATION	2410+00	2420+00	2430+00	2440+00	2450+00	2460+00	2466+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2410+00 TO 2466+00
PLAN AND PROFILE

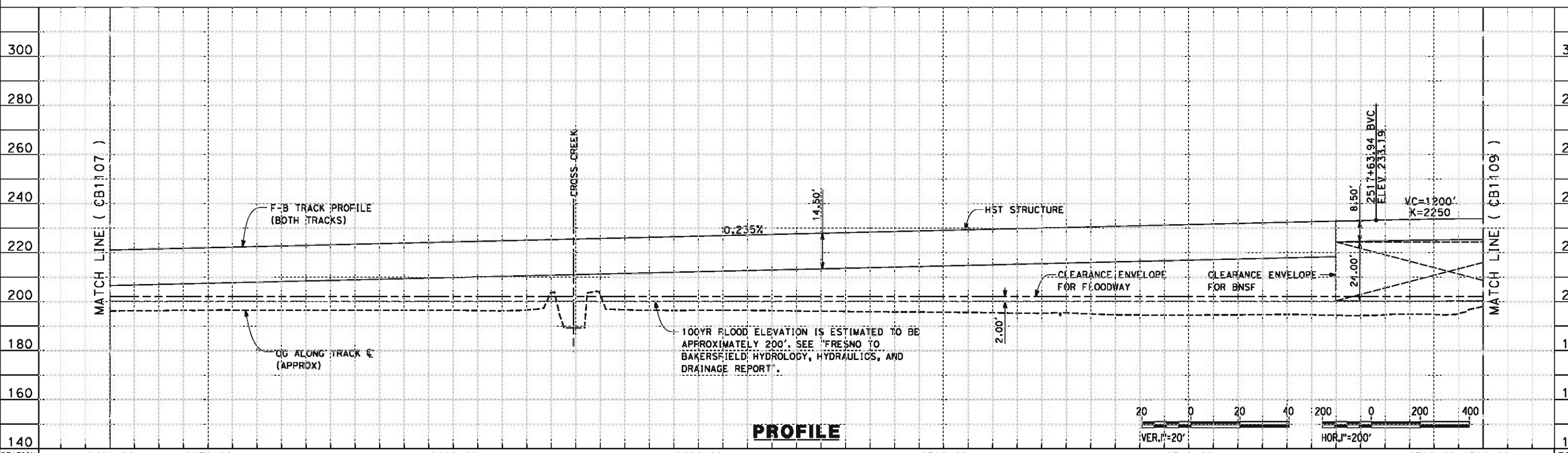
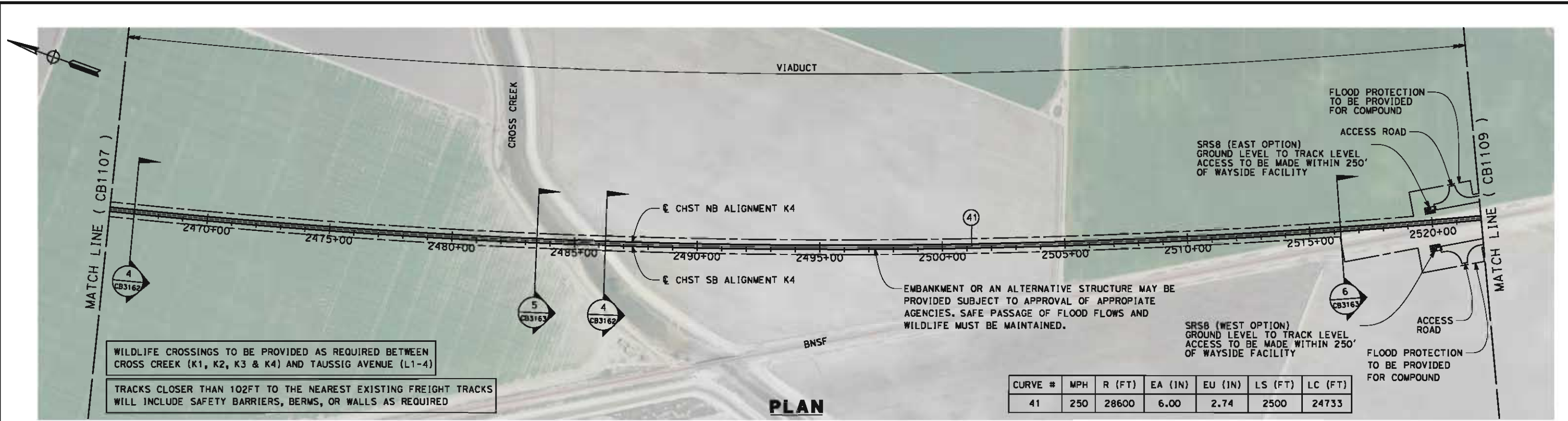
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HSR 06-0003

DRAWING NO.
CB1107

SCALE
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SHEET NO.
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STATION	2466+00	2470+00	2480+00	2490+00	2500+00	2510+00	2520+00	2522+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2466+00 TO 2522+00
PLAN AND PROFILE

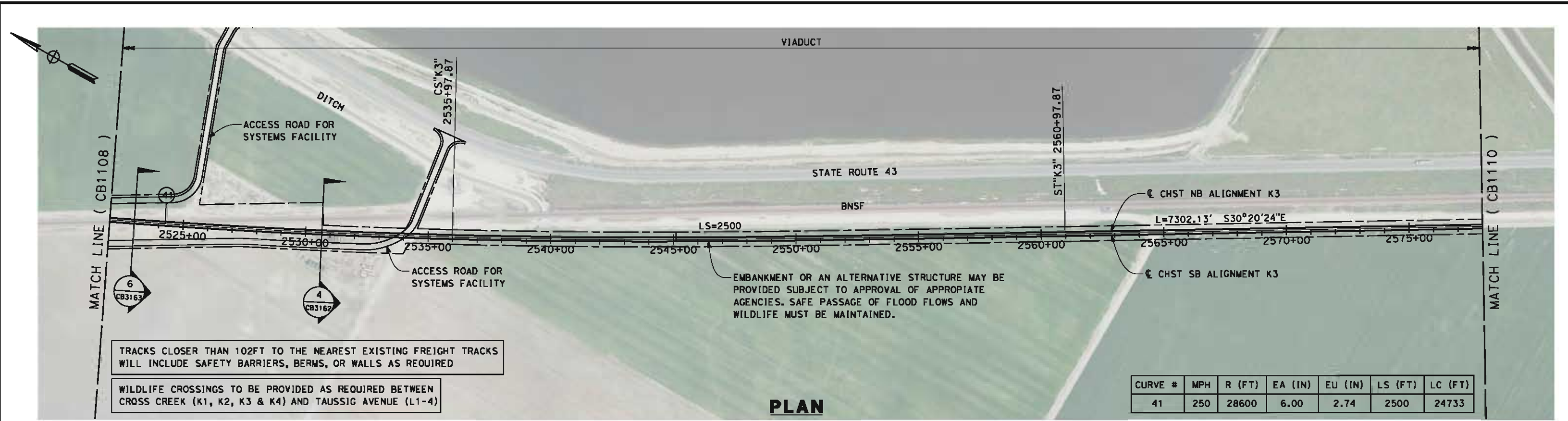
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1108

SCALE
AS SHOWN

SHEET NO.
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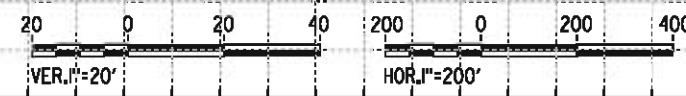
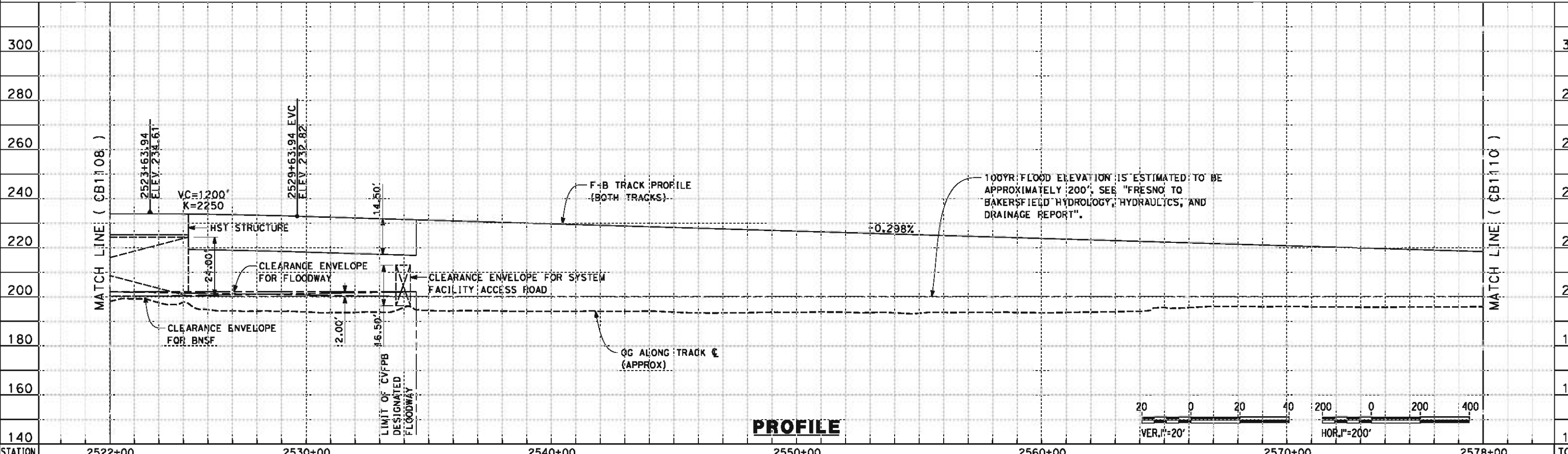


TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

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)
41	250	28600	6.00	2.74	2500	24733

PLAN



PROFILE

STATION	2522+00	2530+00	2540+00	2550+00	2560+00	2570+00	2578+00	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2522+00 TO 2578+00
PLAN AND PROFILE

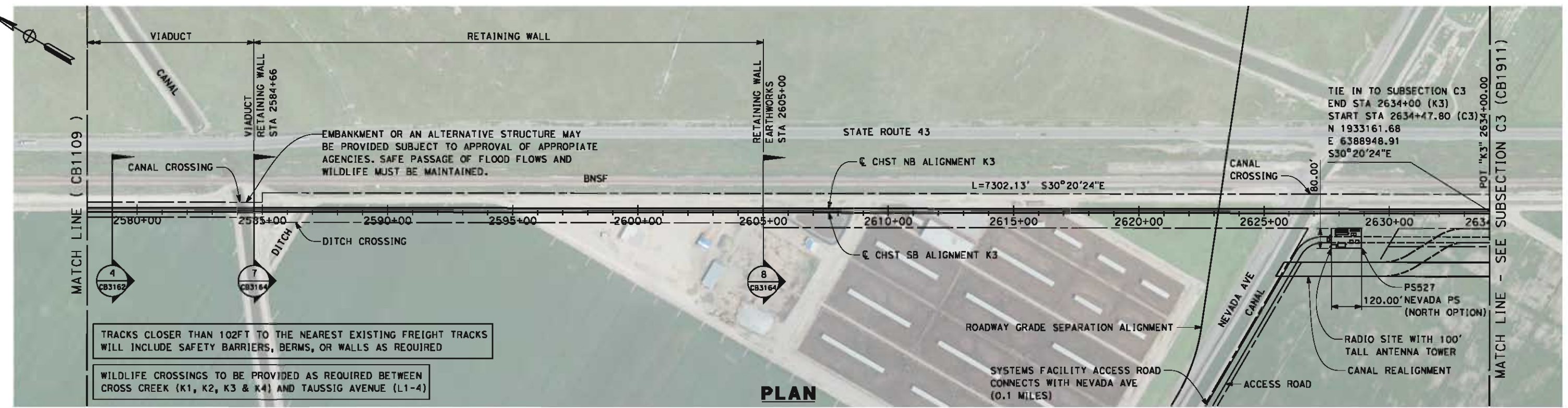
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HSR 06-0003

DRAWING NO.
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AS SHOWN

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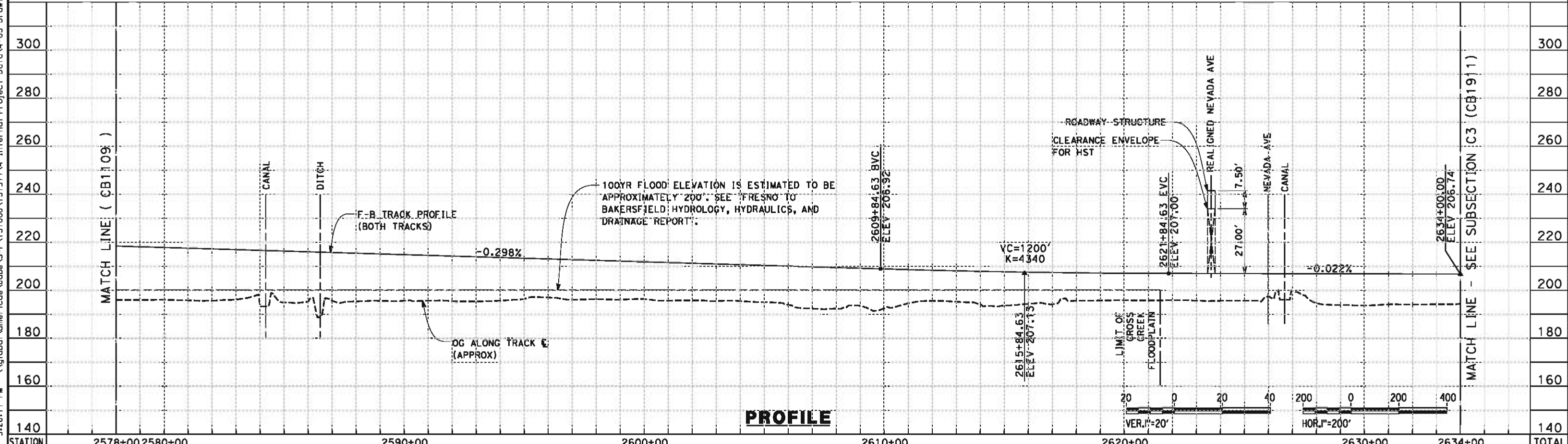
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TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

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

PLAN



PROFILE

STATION	2578+00	2580+00	2590+00	2600+00	2610+00	2620+00	2630+00	2634+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2578+00 TO 2634+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

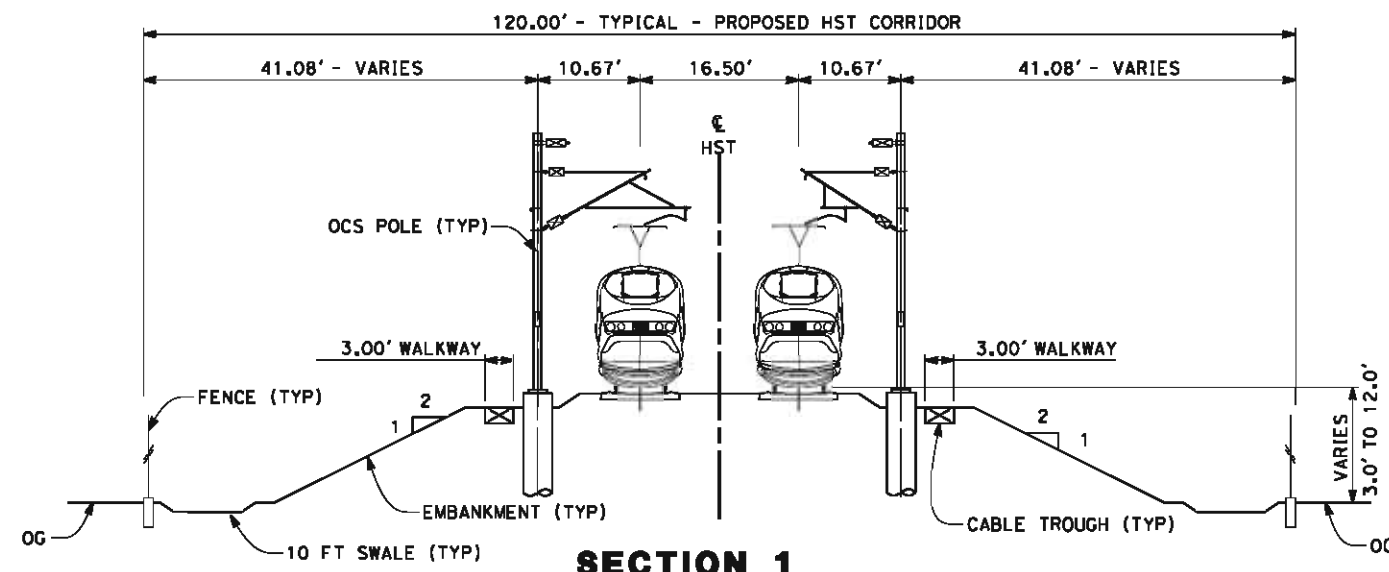
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SCALE
AS SHOWN

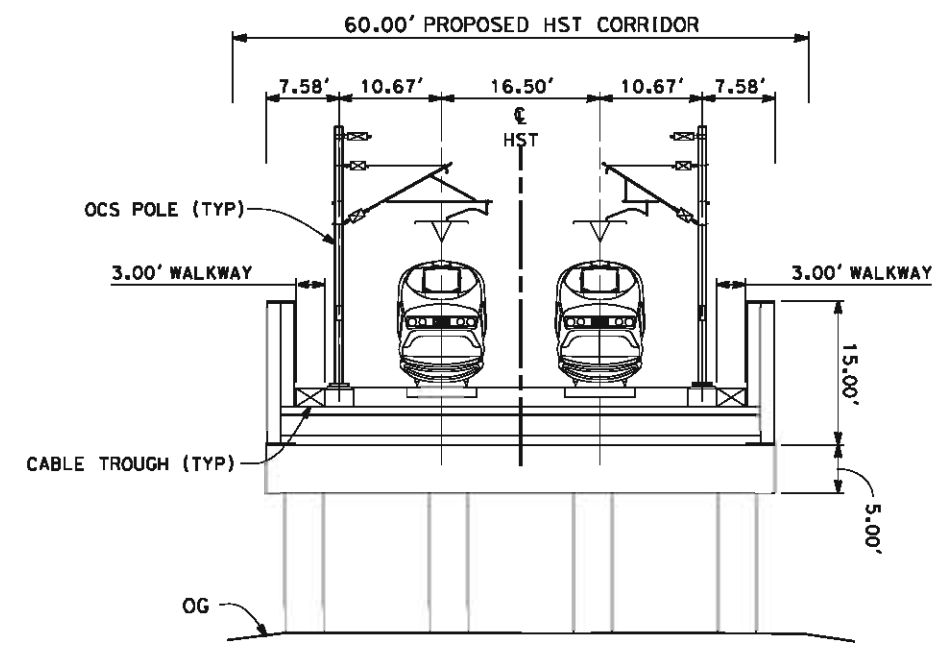
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11 OF 15

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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 TRACK - EMBANKMENT WITH OPEN DRAINAGE
 STA 2073+97 THROUGH STA 2243+22
 STA 2248+73 THROUGH STA 2430+00



SECTION 2
 TWIN TRACK - AERIAL STRUCTURE
 STA 2243+22 THROUGH STA 2248+73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

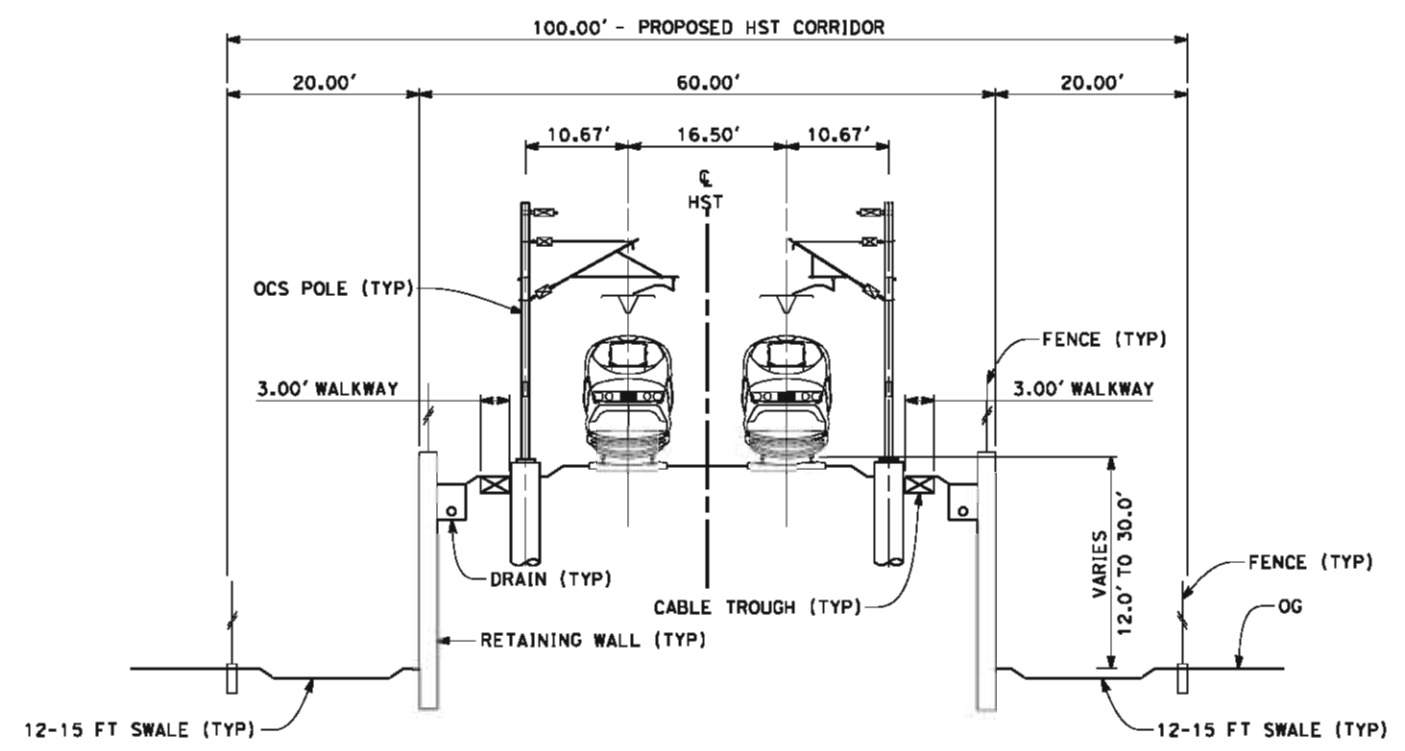


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 KAWEAH SUBSECTION
 ALIGNMENT K3
 CROSS SECTIONS

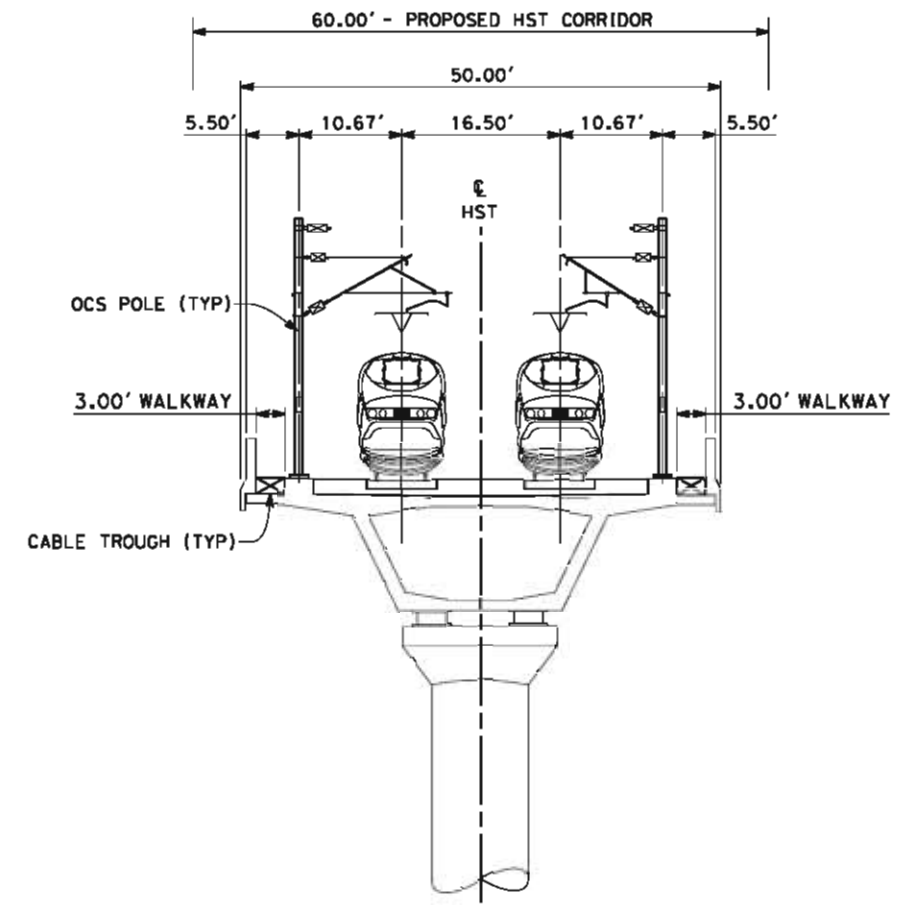
CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3161
 SCALE
AS SHOWN
 SHEET NO.
12 OF 15

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



SECTION 3
TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
STA 2430+00 THROUGH STA 2447+06



SECTION 4
TWIN TRACK - AERIAL STRUCTURE
STA 2447+06 THROUGH STA 2483+46
STA 2486+26 THROUGH STA 2516+26
STA 2530+66 THROUGH STA 2584+66



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

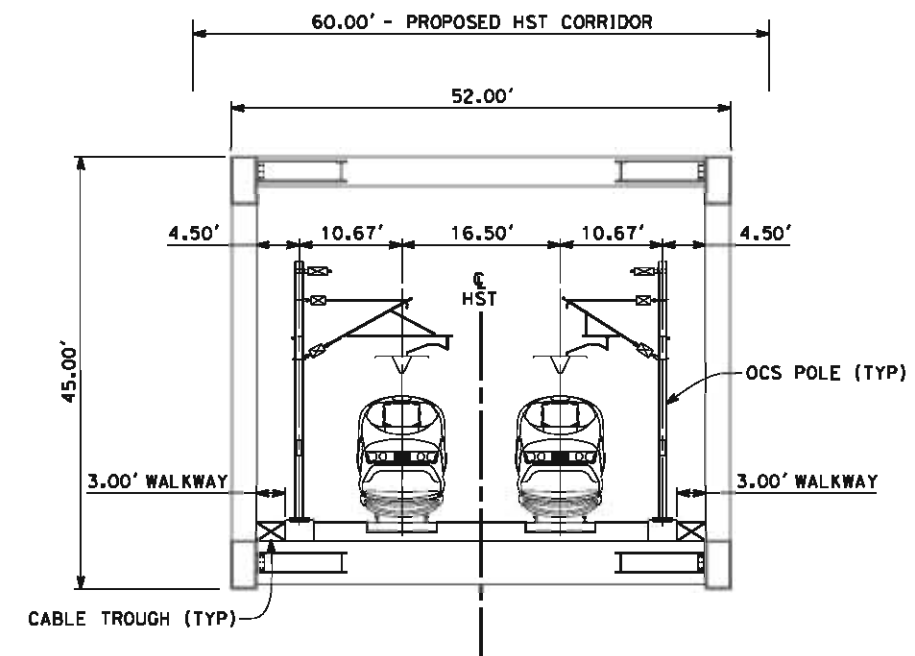


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K3
CROSS SECTIONS

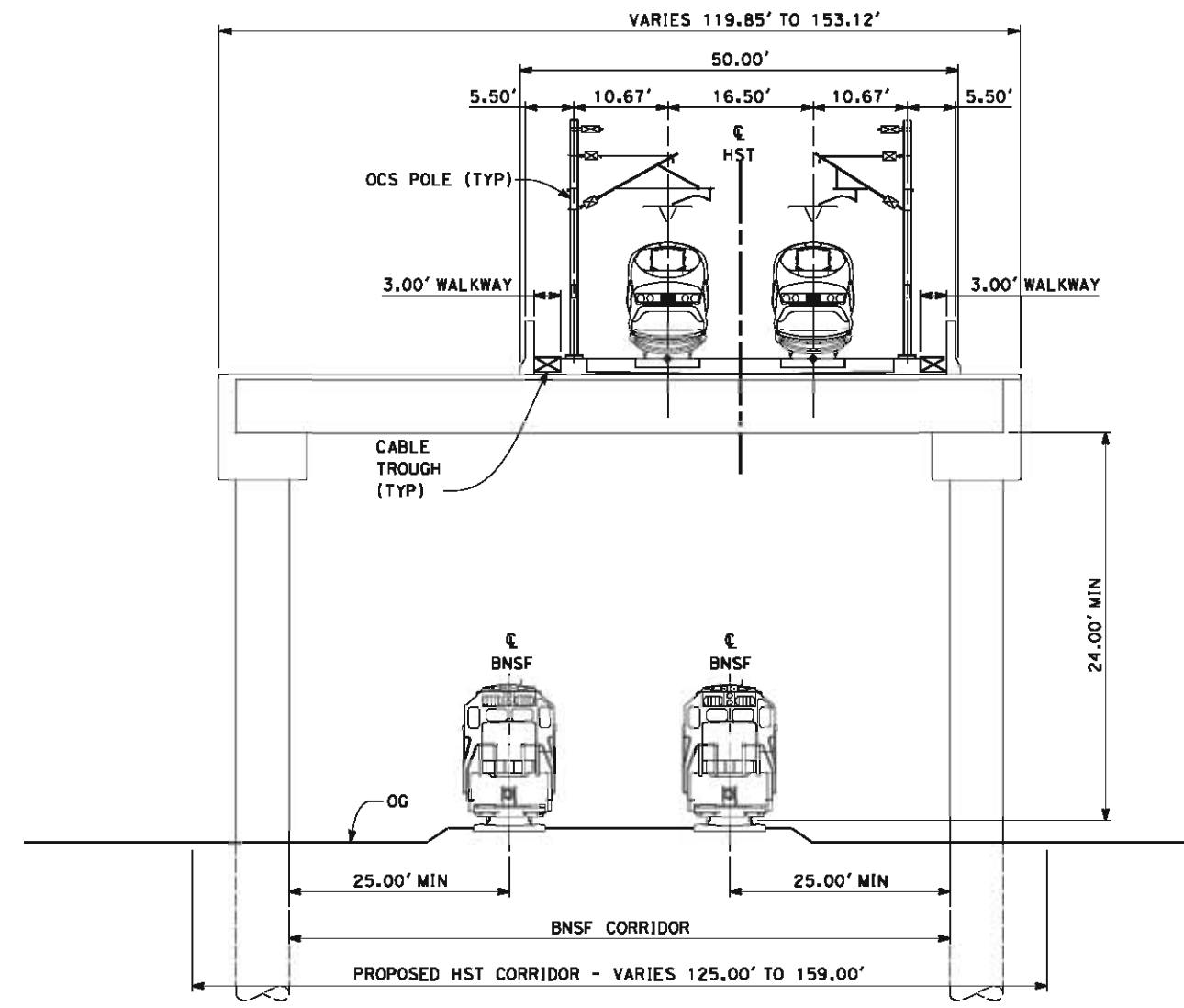
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3162
SCALE
AS SHOWN
SHEET NO.
13 OF 15

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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 STEEL TRUSS
STA 2483+46 THROUGH STA 2486+26



SECTION 6
TWIN TRACK - ELEVATED SLAB OVER BNSF
STA 2516+26 THROUGH STA 2530+66



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

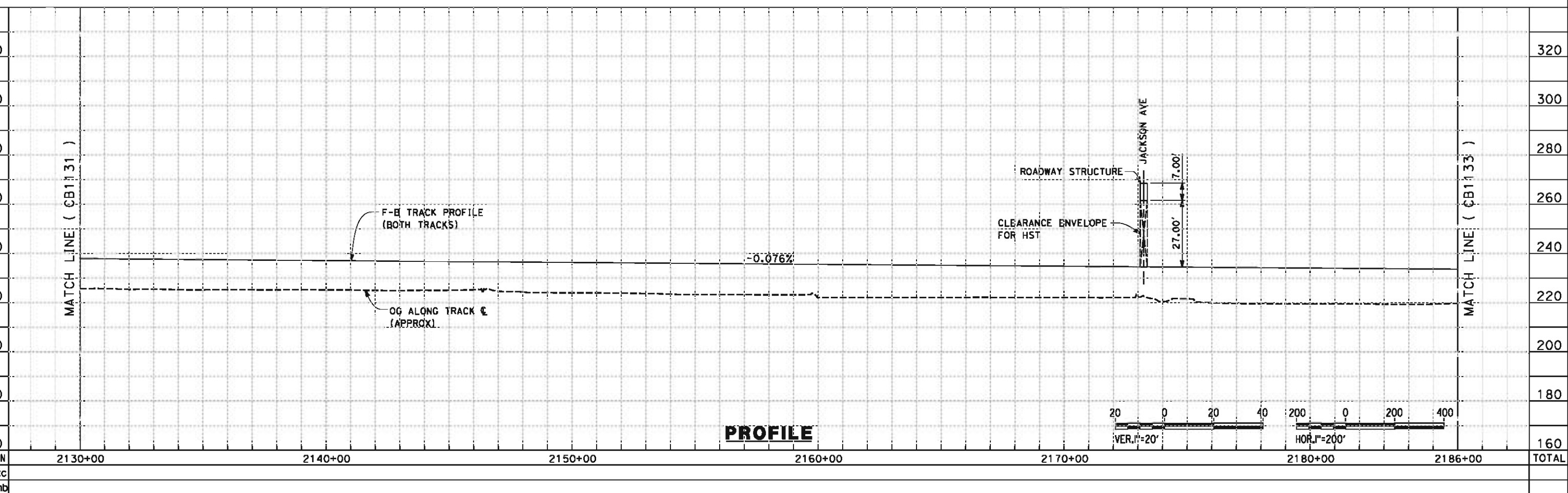
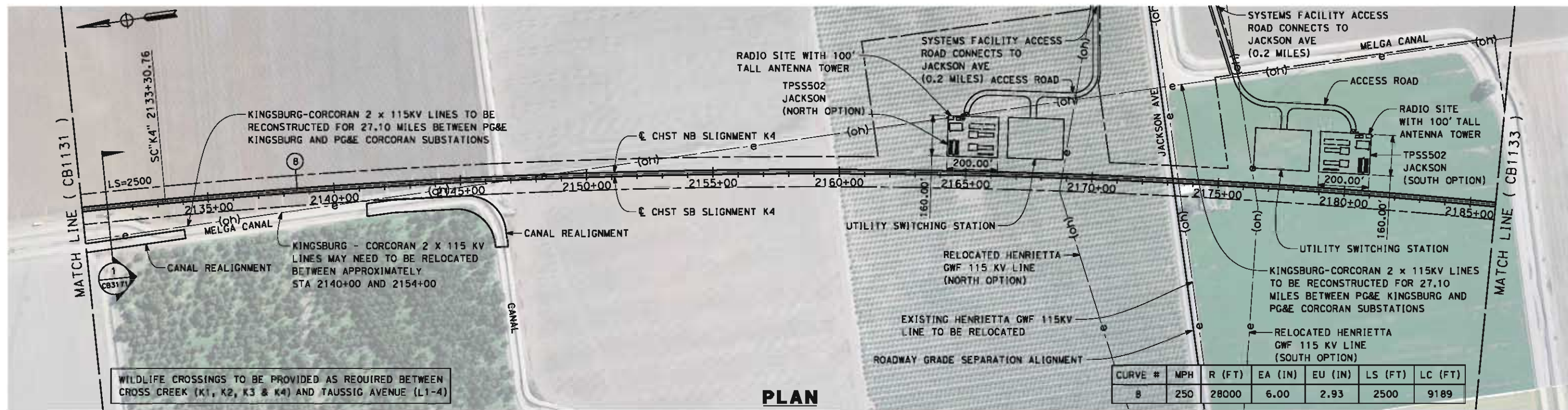
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K3
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3163
SCALE
AS SHOWN
SHEET NO.
14 OF 15

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REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

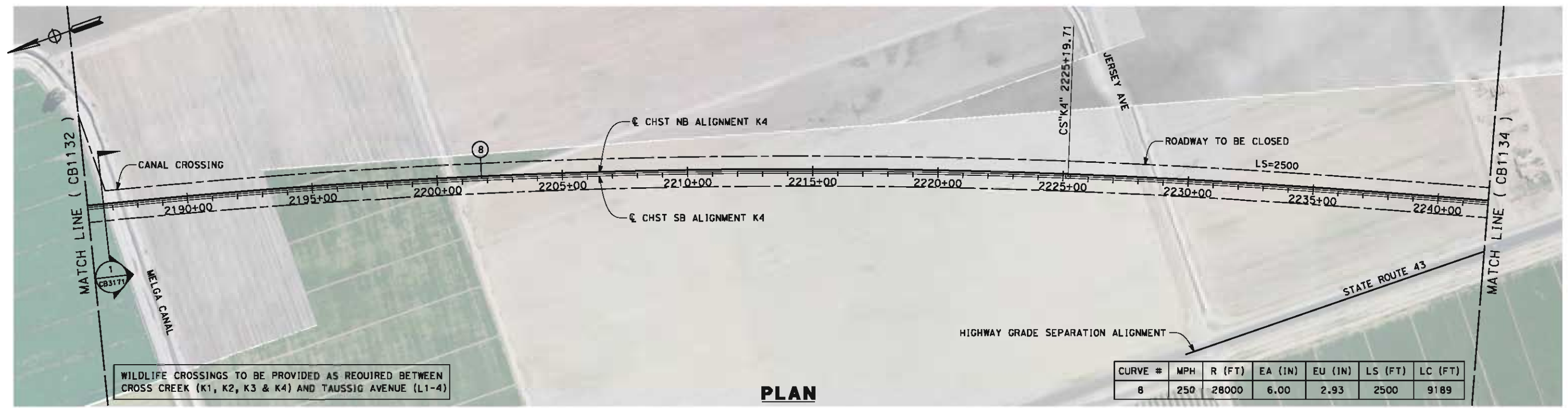
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CONSTRUCTION**



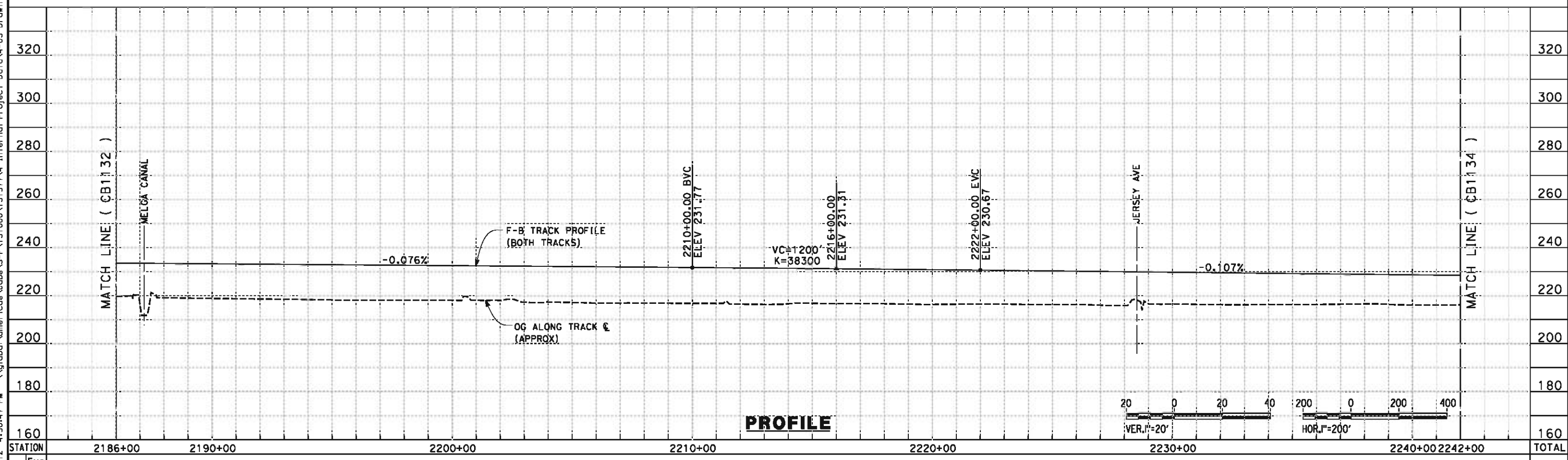
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 KAWEAH SUBSECTION
 ALIGNMENT K4
 STA. 2130+00 TO 2186+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1132
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AS SHOWN
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PLAN



PROFILE

STATION	2186+00	2190+00	2200+00	2210+00	2220+00	2230+00	2240+00	2242+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

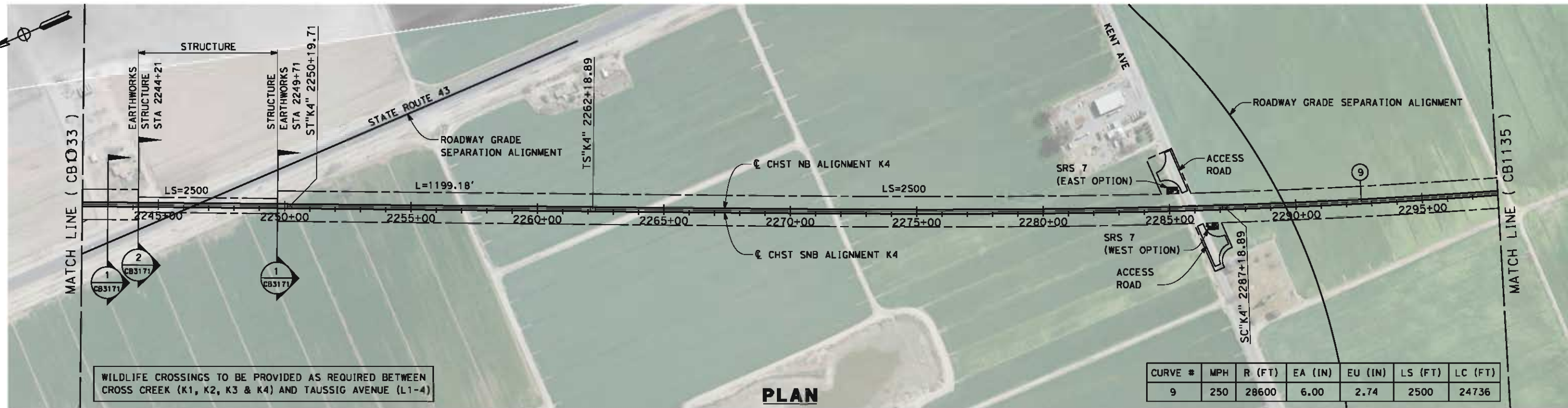
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2186+00 TO 2242+00
PLAN AND PROFILE

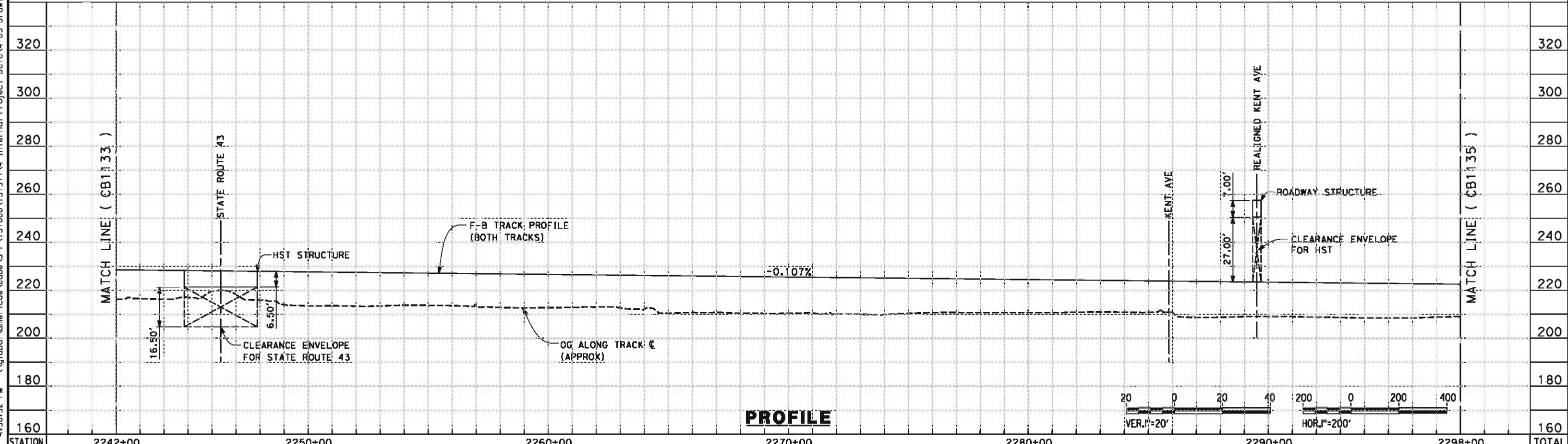
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1133
SCALE
AS SHOWN
SHEET NO.
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	2242+00	2250+00	2260+00	2270+00	2280+00	2290+00	2298+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
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**

KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2242+00 TO 2298+00
PLAN AND PROFILE

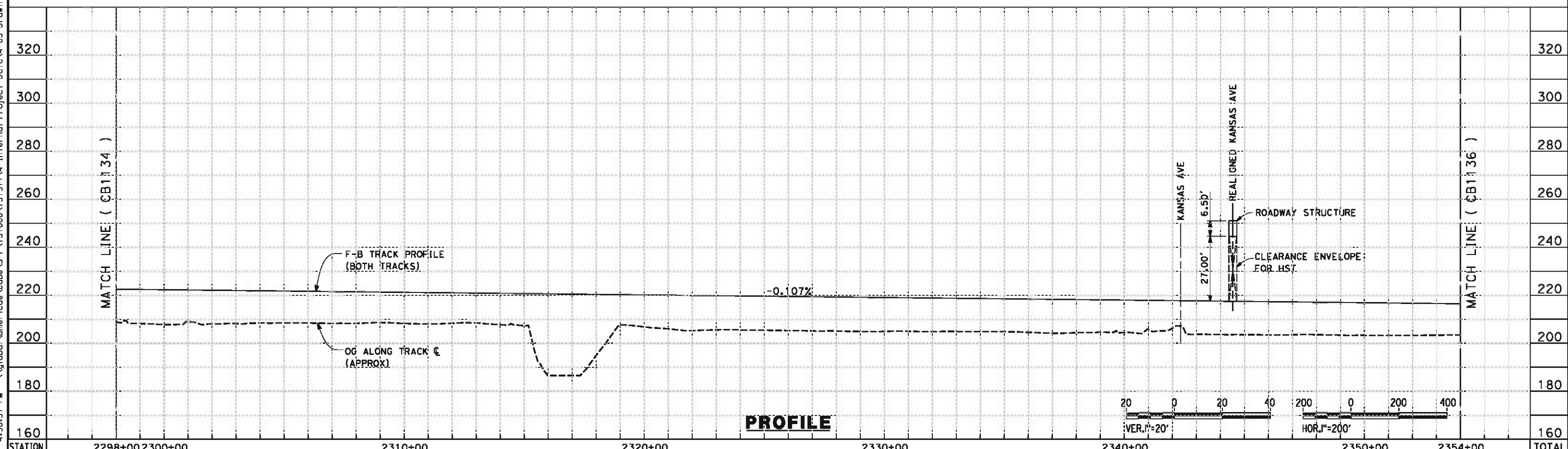
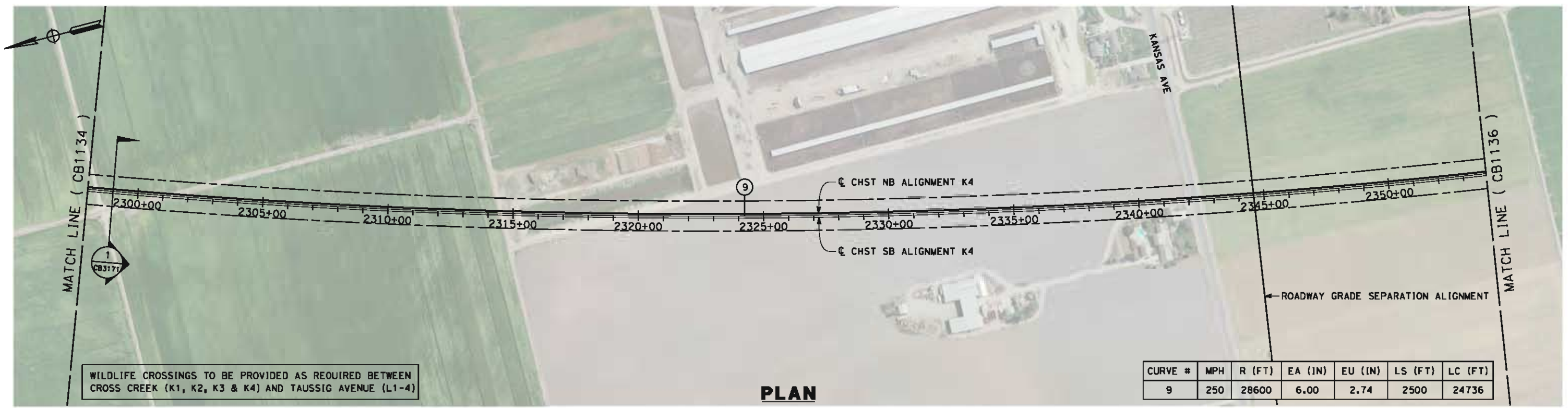
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1134

SCALE
AS SHOWN

SHEET NO.
5 OF 13

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STATION	2298+00	2300+00	2310+00	2320+00	2330+00	2340+00	2350+00	2354+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

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**

KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2298+00 TO 2354+00
PLAN AND PROFILE

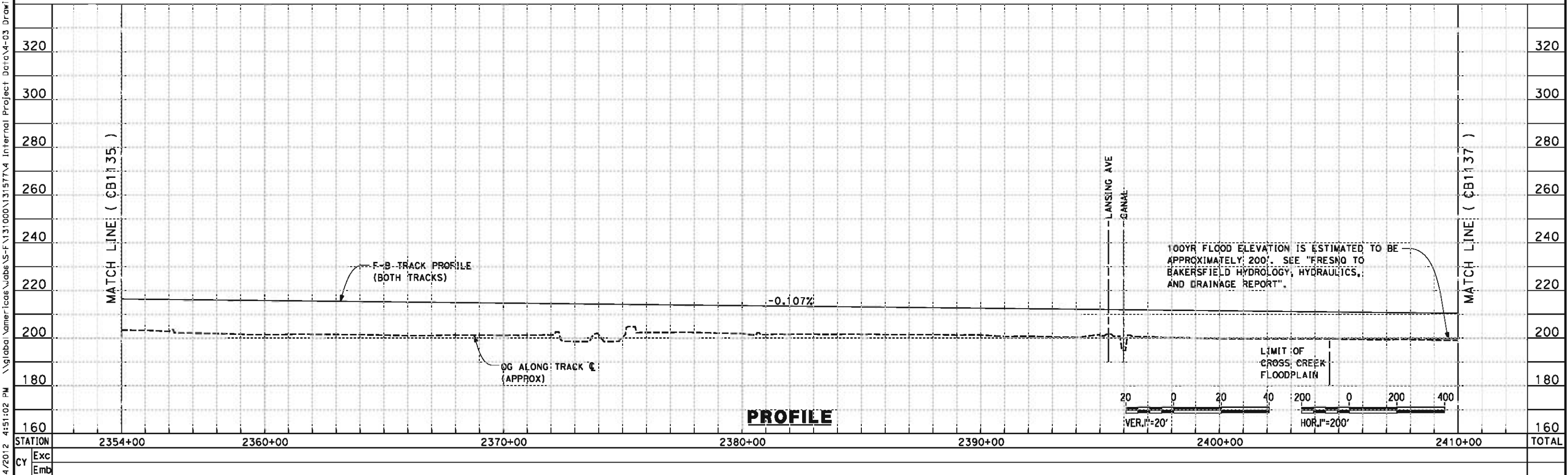
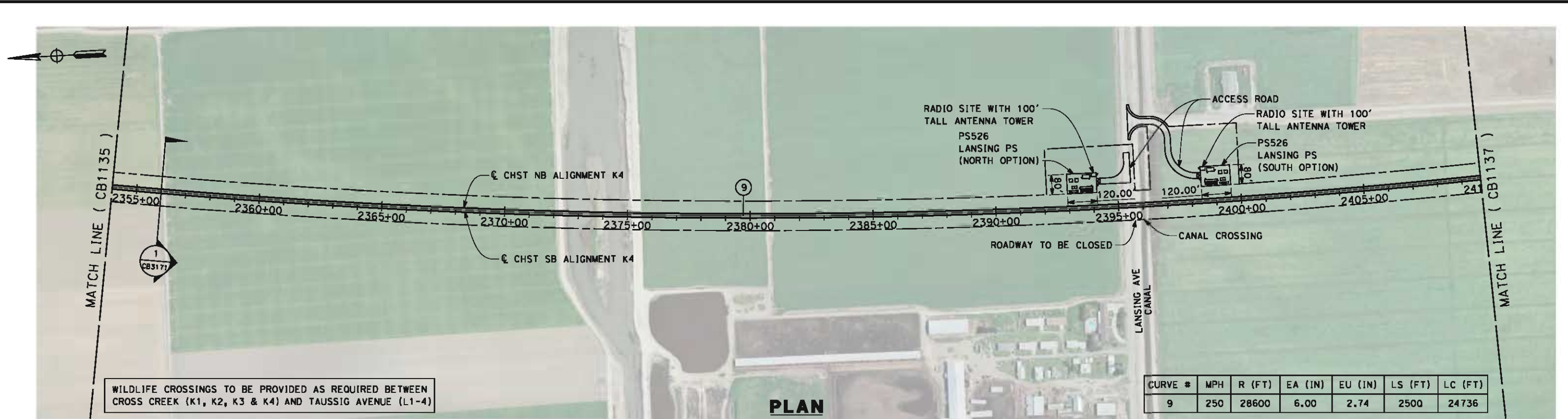
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1135

SCALE
AS SHOWN

SHEET NO.
6 OF 13

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

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**

KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2354+00 TO 2410+00
PLAN AND PROFILE

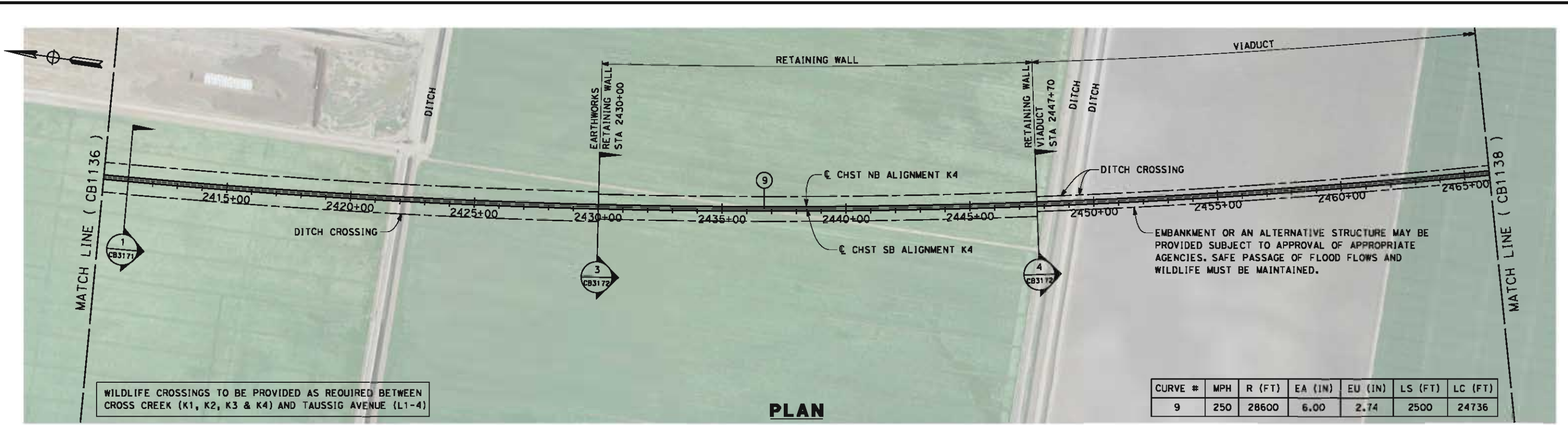
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HSR 06-0003

DRAWING NO.
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AS SHOWN

SHEET NO.
7 OF 13

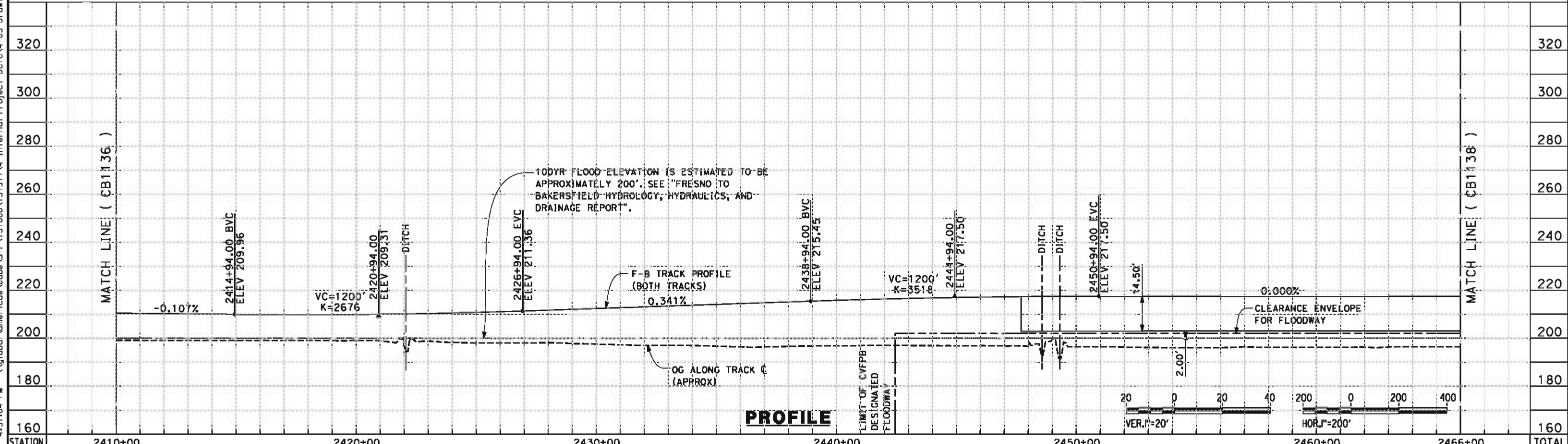
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1, K2, K3 & K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
9	250	28600	6.00	2.74	2500	24736

PLAN



PROFILE

STATION	2410+00	2420+00	2430+00	2440+00	2450+00	2460+00	2466+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	-------

CY	Exc	Emb						
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REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

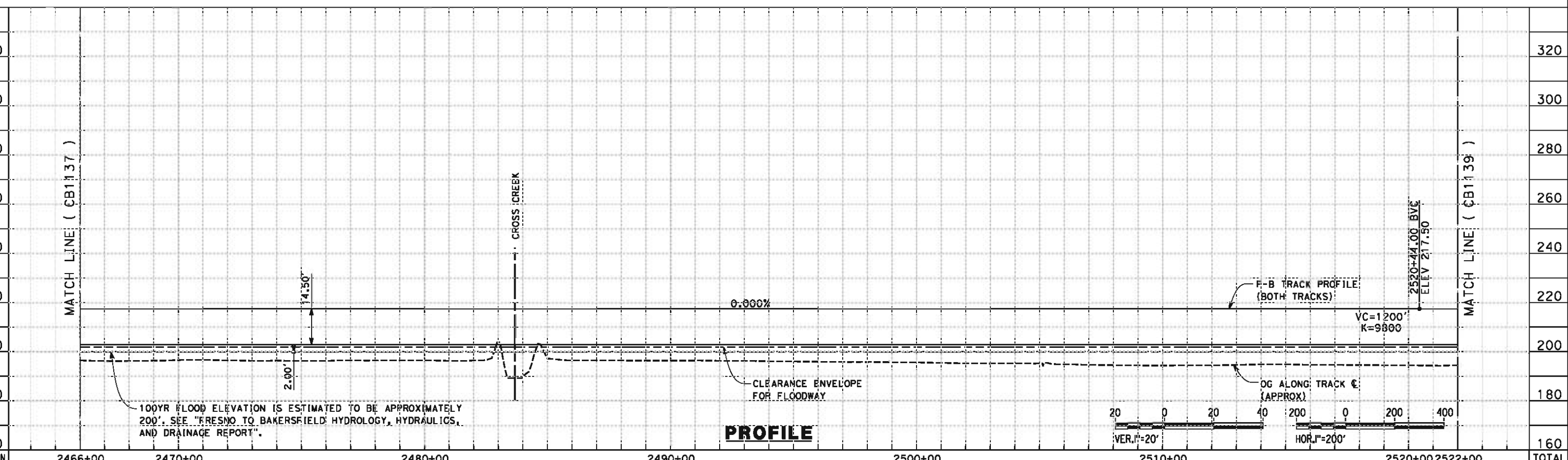
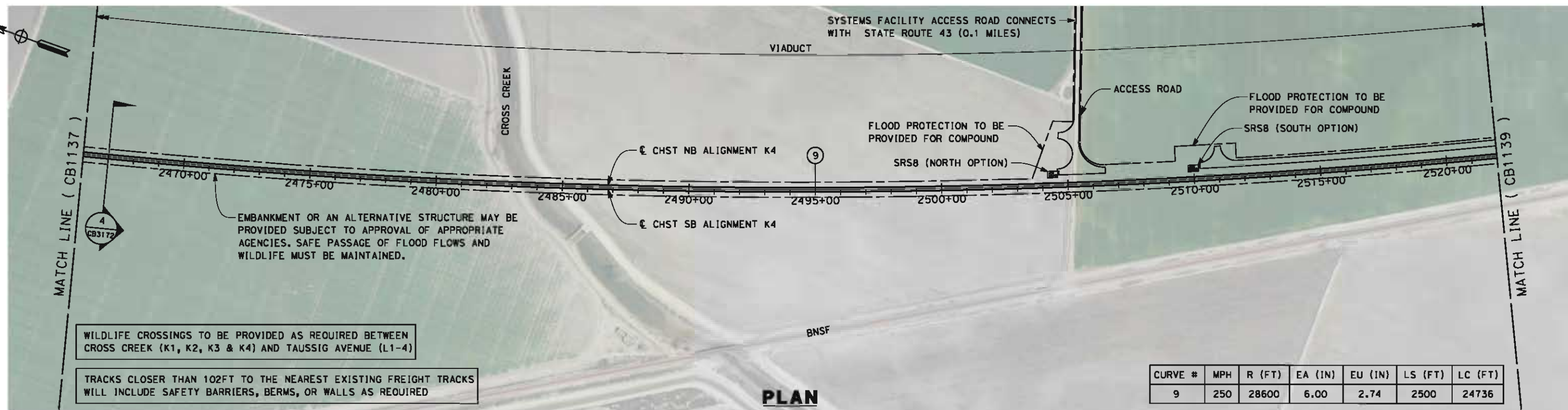
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2410+00 TO 2466+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1137
SCALE
AS SHOWN
SHEET NO.
8 OF 13

5/14/2012 4:51:13 PM \\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\K4\FB-CB-1138-K4.dgn paul.tankin



STATION	2466+00	2470+00	2480+00	2490+00	2500+00	2510+00	2520+00	2522+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
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**

KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2466+00 TO 2522+00
PLAN AND PROFILE

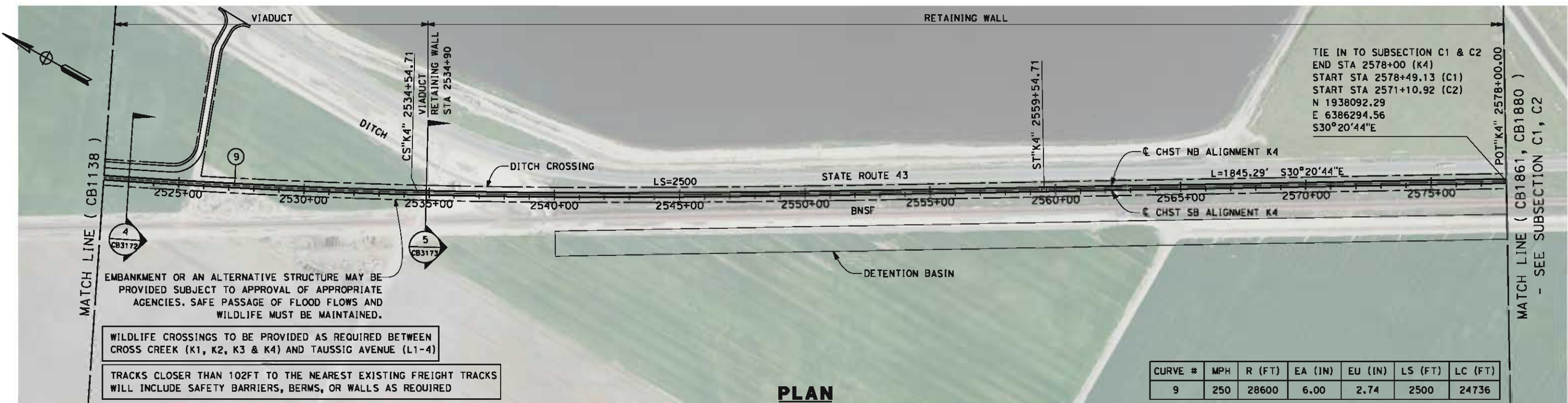
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1138

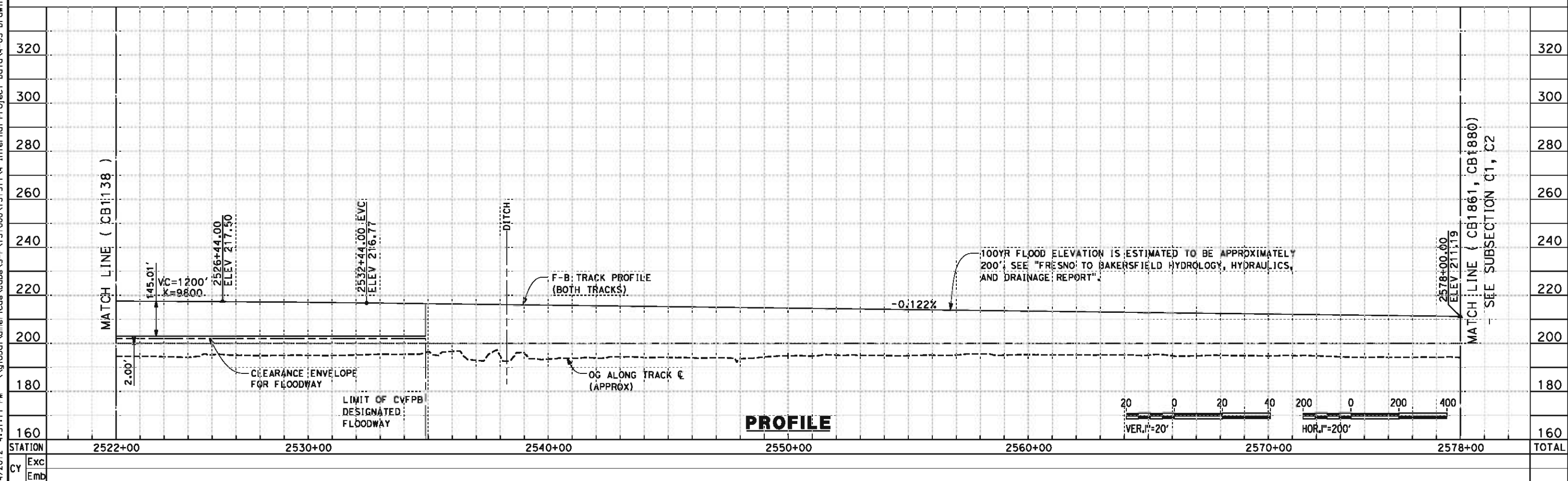
SCALE
AS SHOWN

SHEET NO.
9 OF 13

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



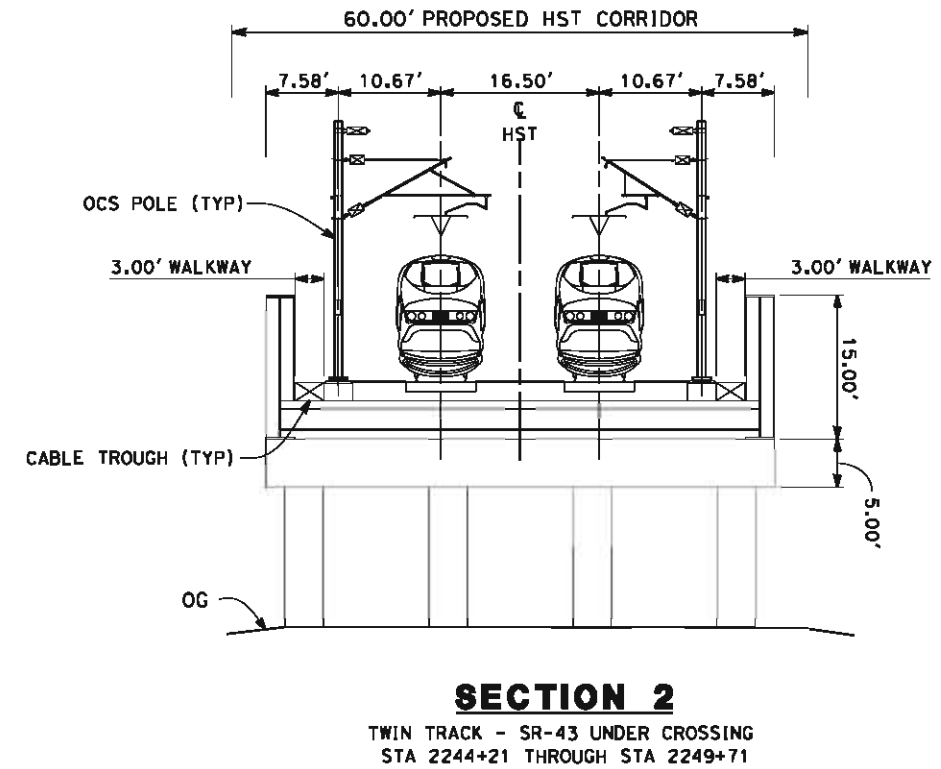
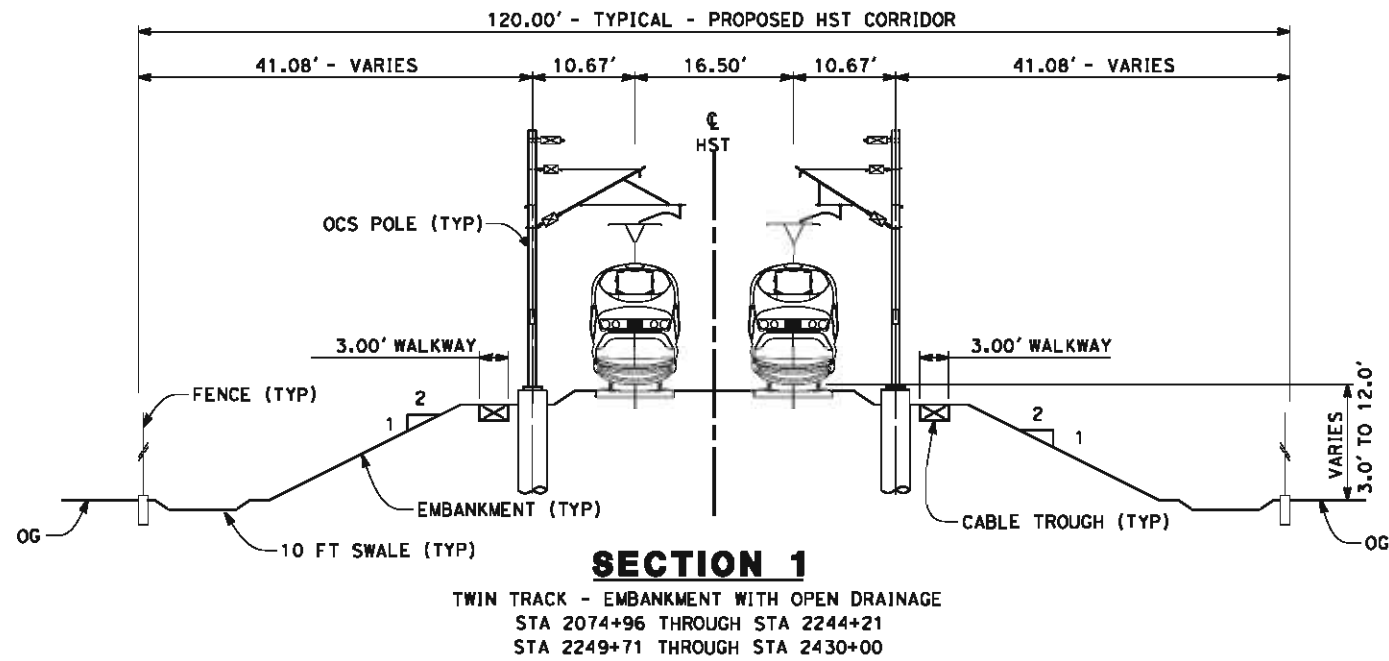
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K4
STA. 2522+00 TO 2578+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1139
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. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

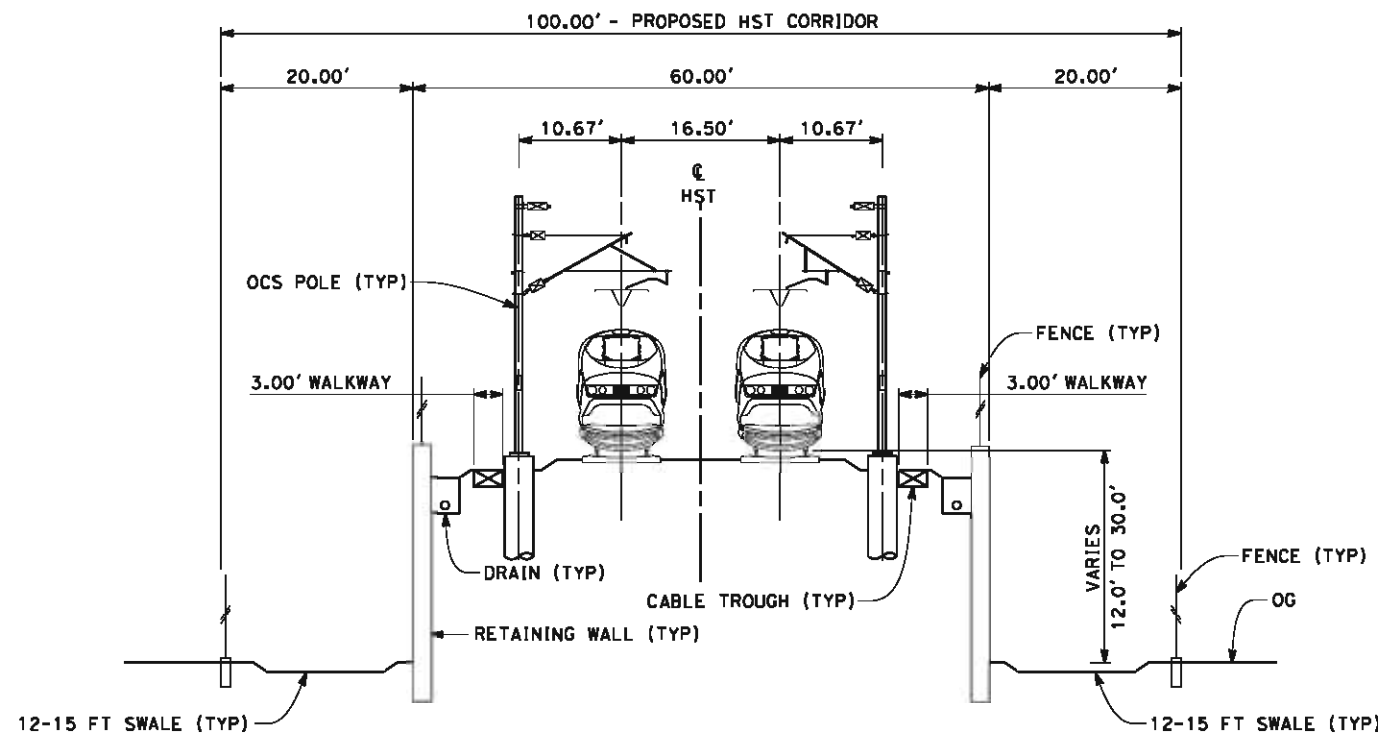


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
CROSS SECTIONS

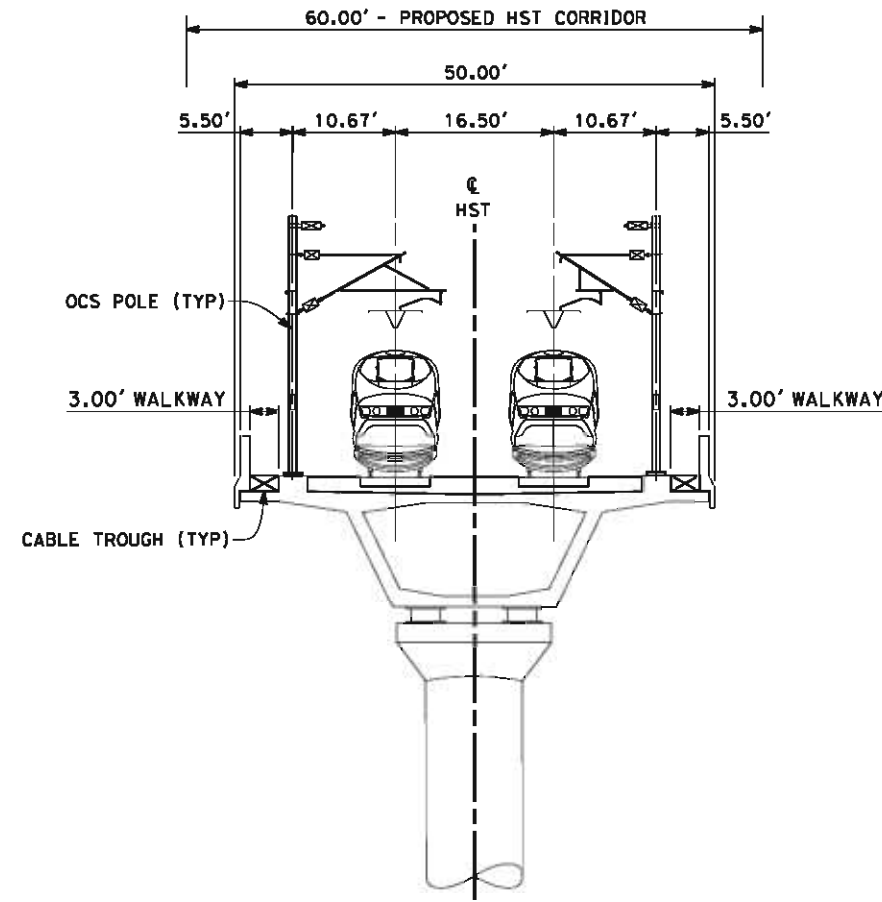
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3171
SCALE
AS SHOWN
SHEET NO.
11 OF 13

NOTES:

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



SECTION 3
 TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 2430+00 THROUGH STA 2447+70



SECTION 4
 TWIN TRACK - AERIAL STRUCTURE
 STA 2447+70 THROUGH STA 2534+90



5/14/2012 4:51:24 PM \\global\americas\Jobs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02 15% Design Sheets\Rail\K4\FB-CB-3172-K4.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

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**

KAWEAH SUBSECTION
 ALIGNMENT K4
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003

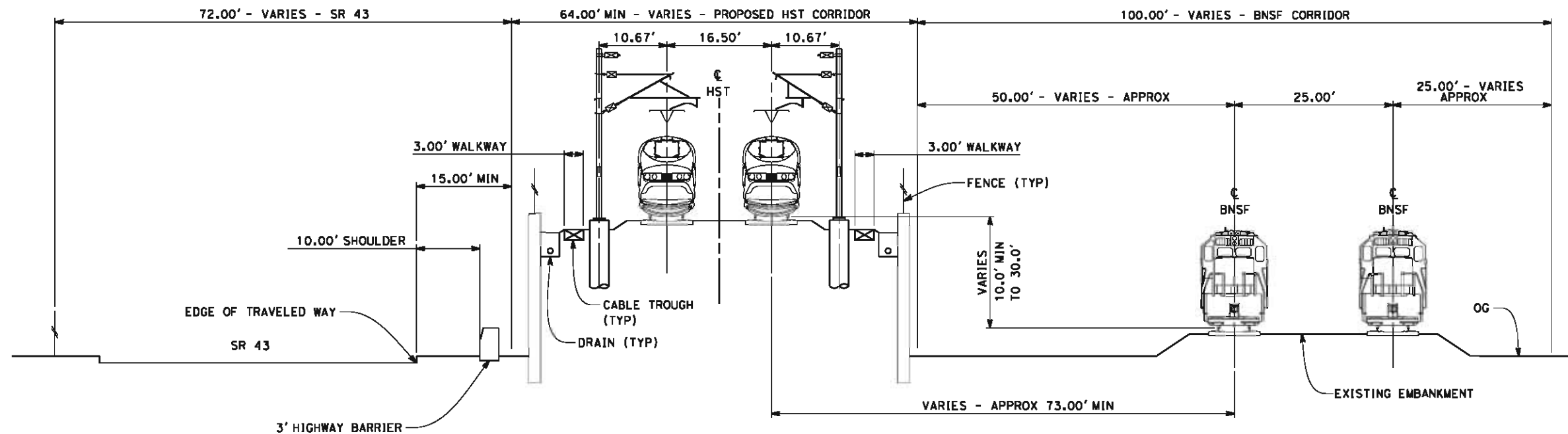
DRAWING NO.
CB3172

SCALE
AS SHOWN

SHEET NO.
12 OF 13

NOTES:

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



SECTION 5

TWIN TRACK - RETAINED EMBANKMENT BETWEEN SR43 AND BNSF
 STA 2534+90 THROUGH STA 2578+00



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 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**
 KAWEAH SUBSECTION
 ALIGNMENT K4
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3173
 SCALE
AS SHOWN
 SHEET NO.
13 OF 13

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LEGEND

- - - EXISTING FREIGHT RAILROAD
- PROPOSED CHST

2000 0 2000 4000
1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2578+49 TO 3096+00
KEY MAP

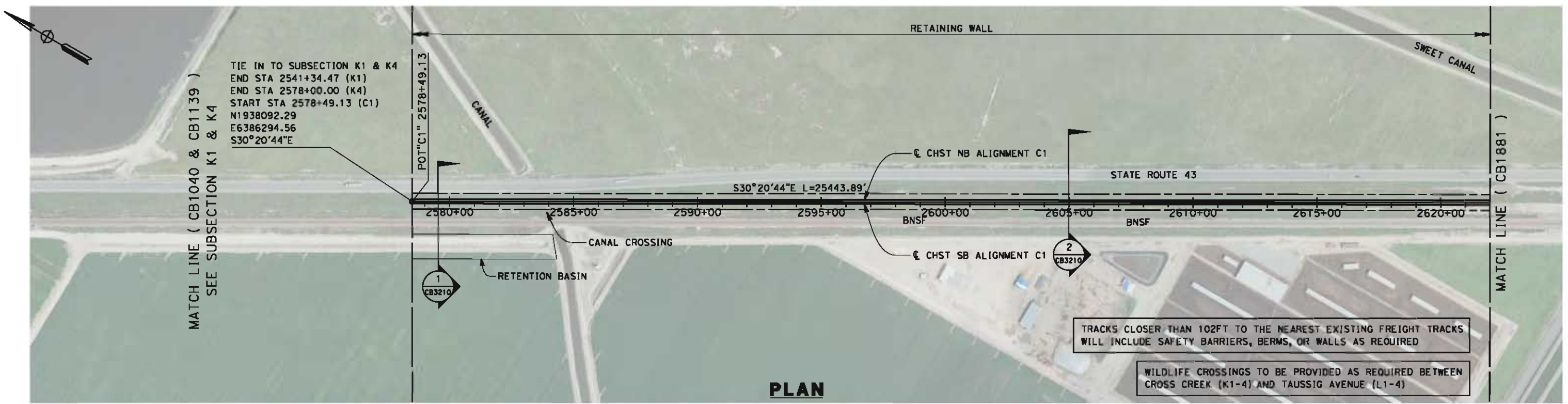
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1870

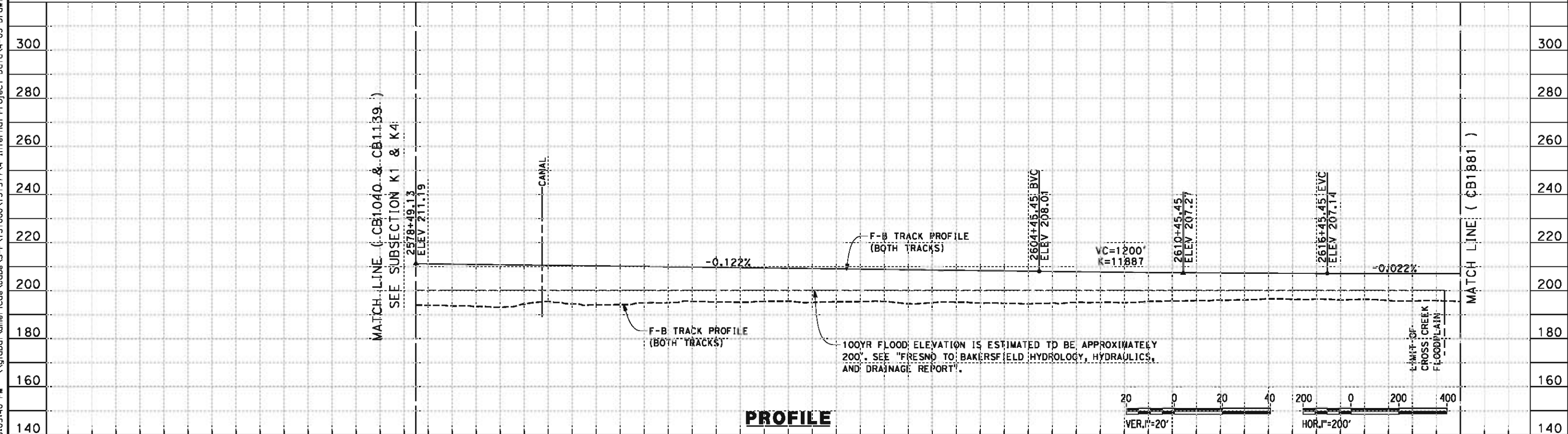
SCALE
AS SHOWN

SHEET NO.
1 OF 21

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PLAN



PROFILE

STATION	2578+49	2580+00	2590+00	2600+00	2610+00	2620+00	2622+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2578+49 TO 2622+00
PLAN AND PROFILE

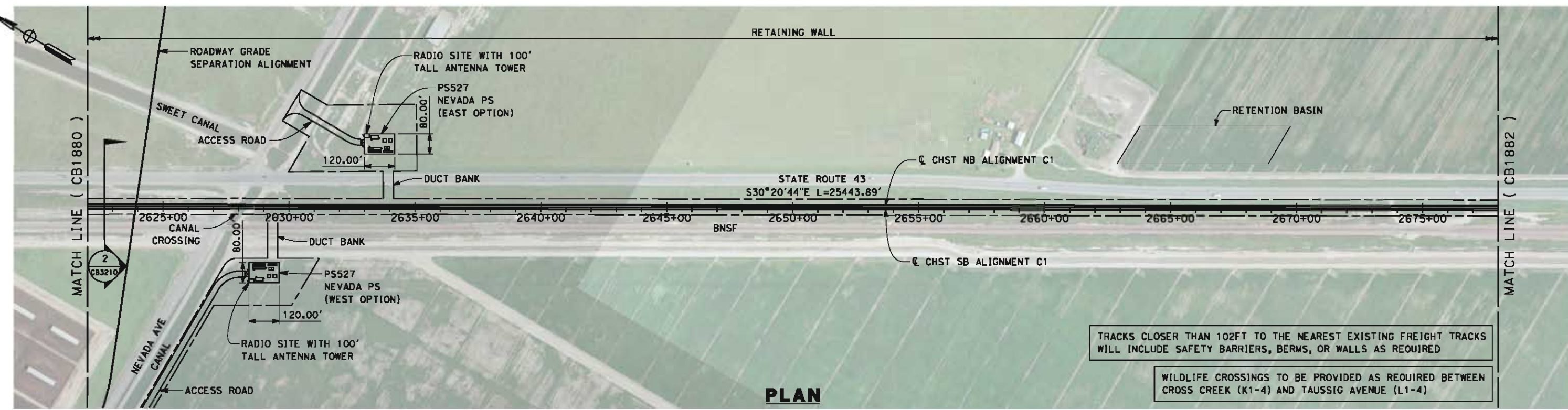
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HSR 06-0003

DRAWING NO.
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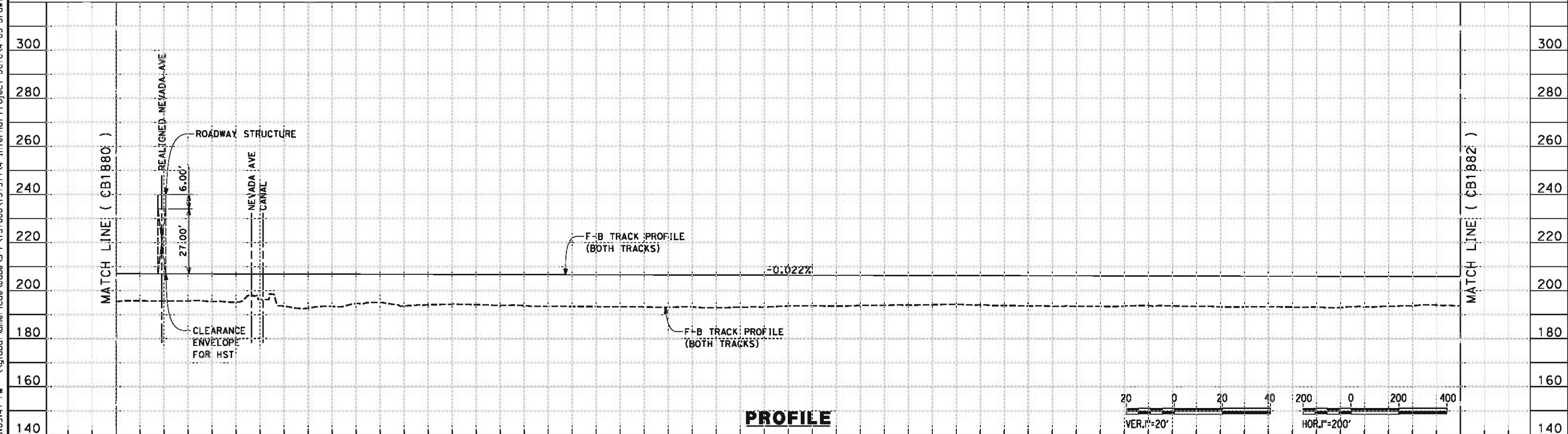
SCALE
AS SHOWN

SHEET NO.
2 OF 21

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PLAN



PROFILE

STATION	2622+00	2630+00	2640+00	2650+00	2660+00	2670+00	2678+00	TOTAL
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CY	Exc							
	Emb							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2622+00 TO 2678+00
PLAN AND PROFILE

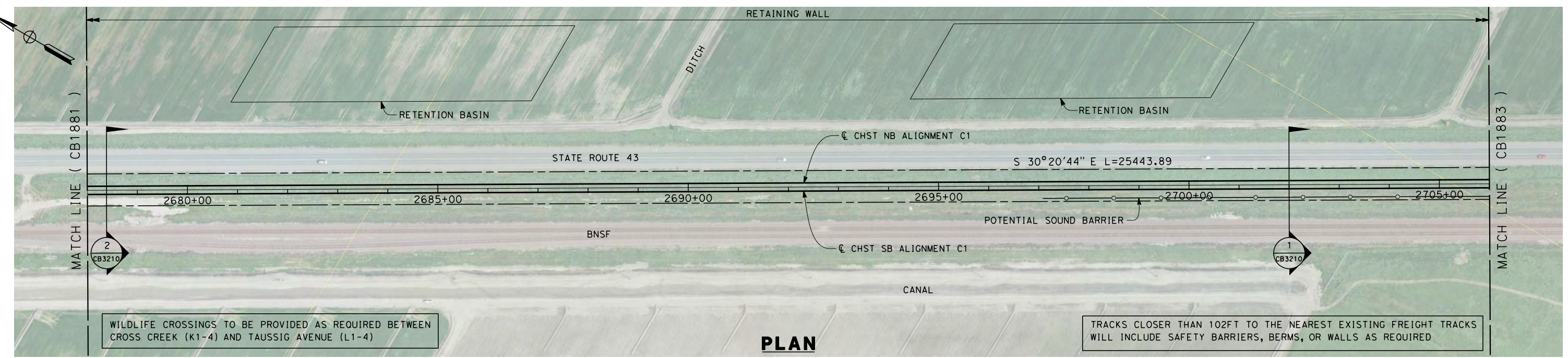
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HSR 06-0003

DRAWING NO.
CB1881

SCALE
AS SHOWN

SHEET NO.
3 OF 21

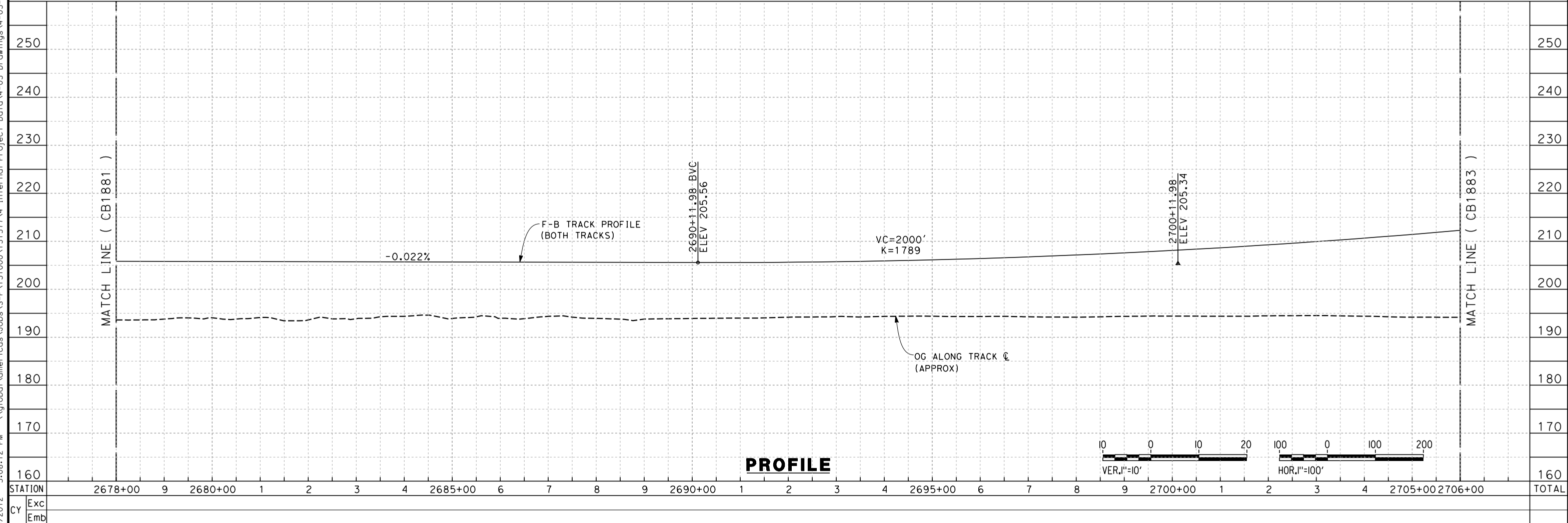
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-4) AND TAUSSIG AVENUE (L1-4)

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

PLAN



PROFILE

STATION	2678+00	9	2680+00	1	2	3	4	2685+00	6	7	8	9	2690+00	1	2	3	4	2695+00	6	7	8	9	2700+00	1	2	3	4	2705+00	2706+00	TOTAL
Exc																														
Emb																														

DESIGNED BY	G. WALKER
DRAWN BY	J. REILLY
CHECKED BY	D. HUNT
IN CHARGE	R. COFFIN
DATE	06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

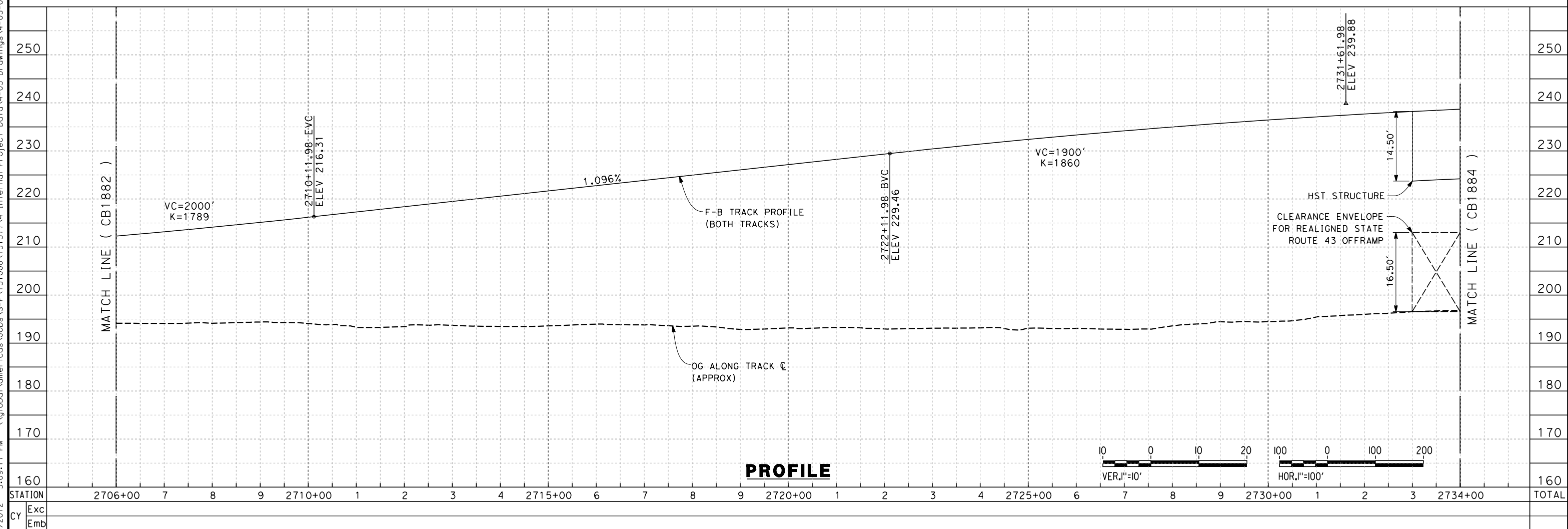
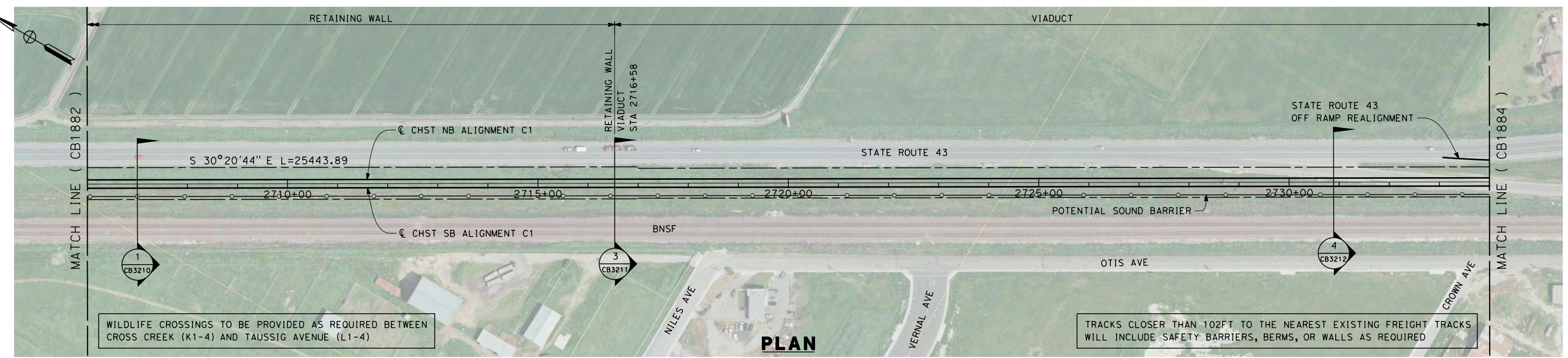


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2678+00 TO 2706+00
PLAN AND PROFILE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1882
SCALE	AS SHOWN
SHEET NO.	4 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2706+00 TO 2734+00
PLAN AND PROFILE

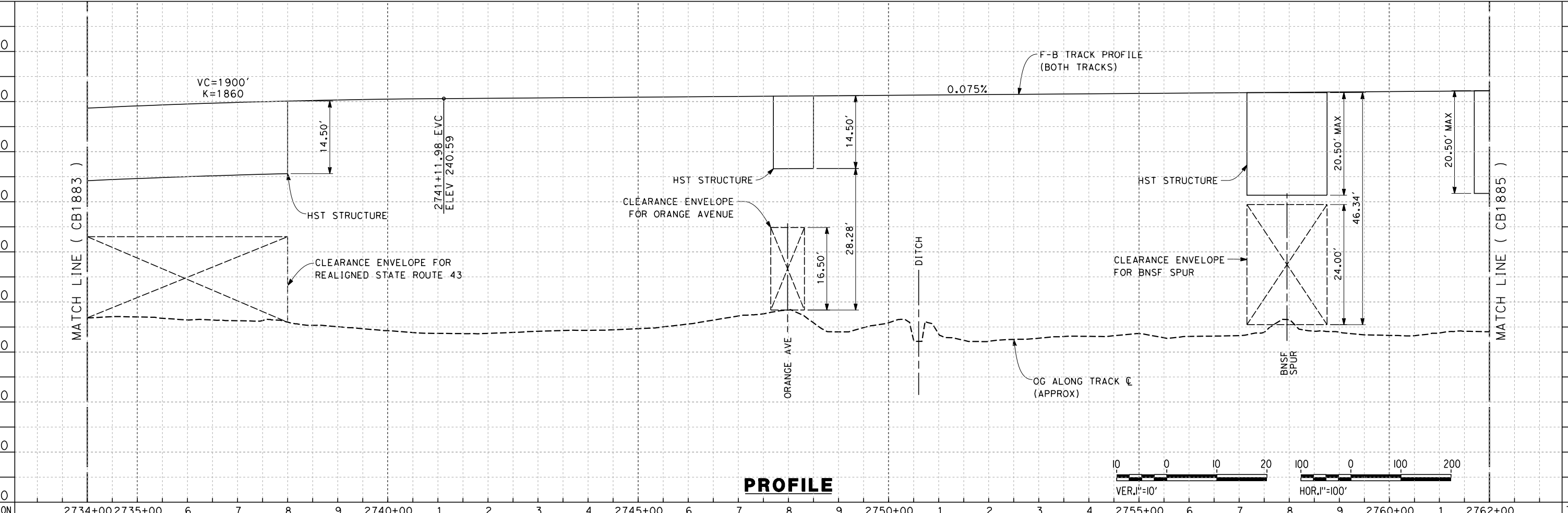
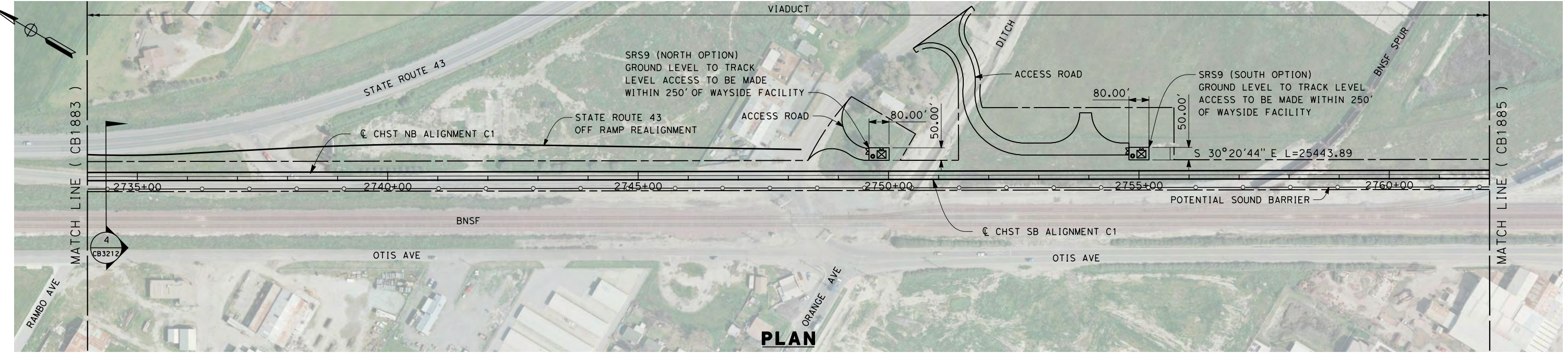
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HSR 06-0003

DRAWING NO.
CB1883

SCALE
AS SHOWN

SHEET NO.
5 OF 21

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STATION	2734+00	2735+00	6	7	8	9	2740+00	1	2	3	4	2745+00	6	7	8	9	2750+00	1	2	3	4	2755+00	6	7	8	9	2760+00	1	2762+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

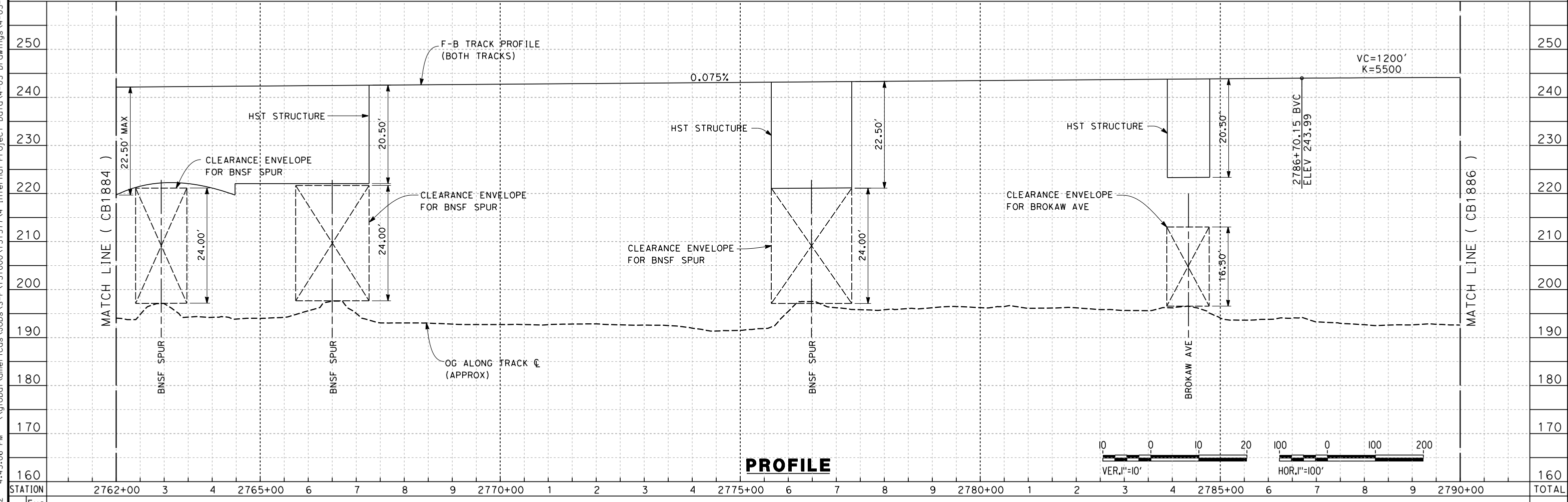
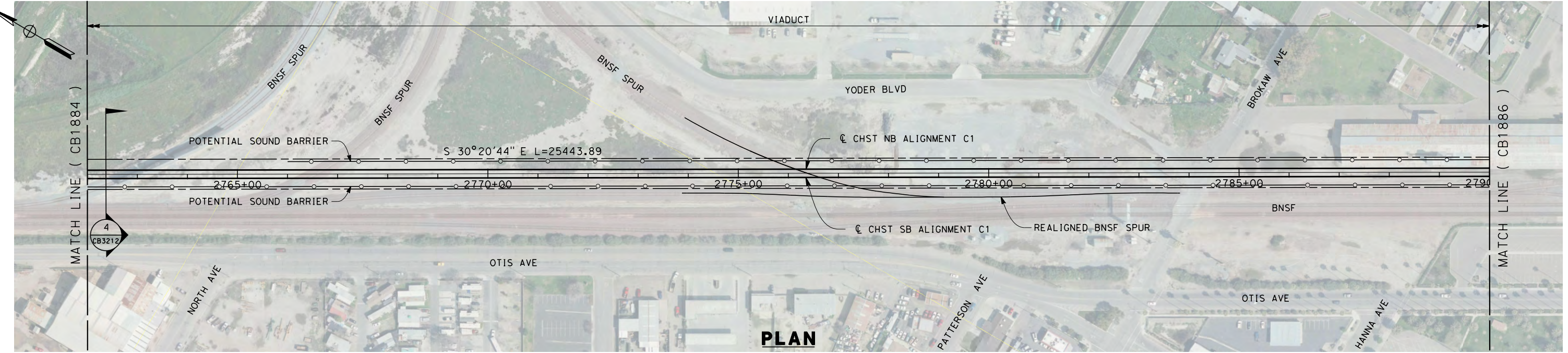
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2734+00 TO 2762+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1884
SCALE
AS SHOWN
SHEET NO.
6 OF 21

eron_sudhausen 6/7/2012 4:43:06 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\CB1885-C1.dgn



STATION	2762+00	3	4	2765+00	6	7	8	9	2770+00	1	2	3	4	2775+00	6	7	8	9	2780+00	1	2	3	4	2785+00	6	7	8	9	2790+00	TOTAL
CY																														
	Exc																													
	Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

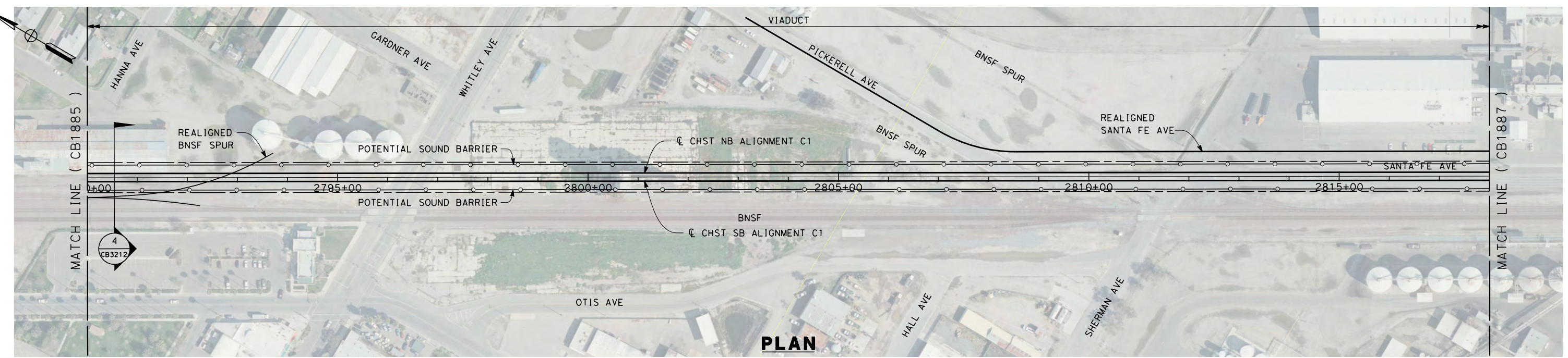
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CONSTRUCTION**



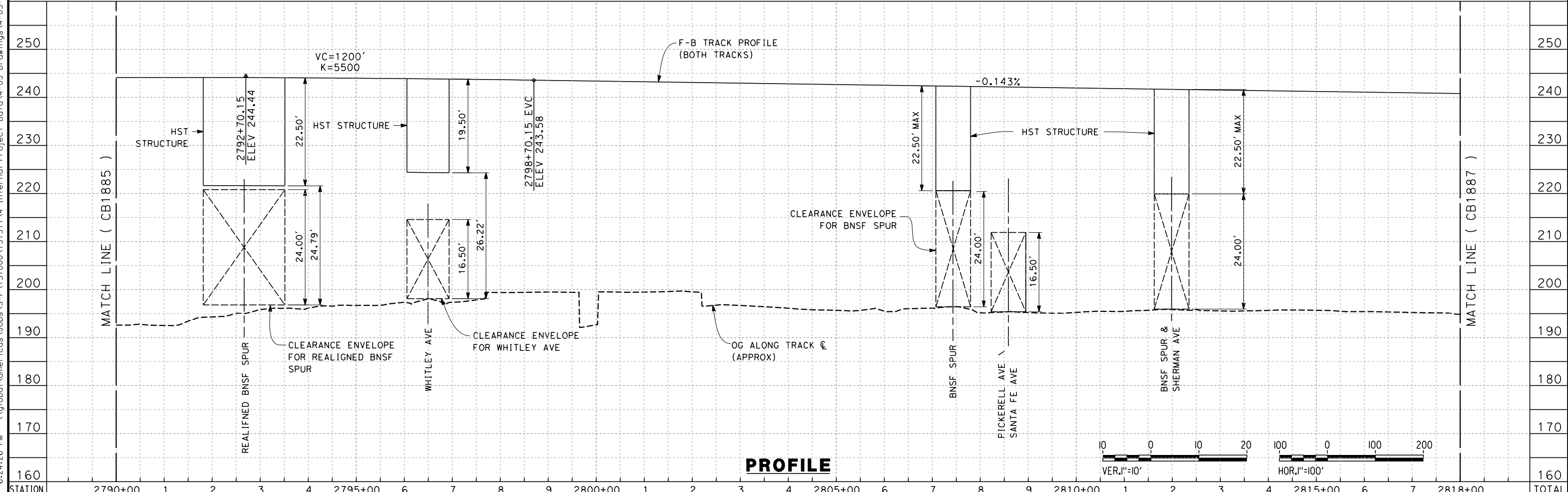
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C1
 STA. 2762+00 TO 2790+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1885
 SCALE
AS SHOWN
 SHEET NO.
7 OF 21

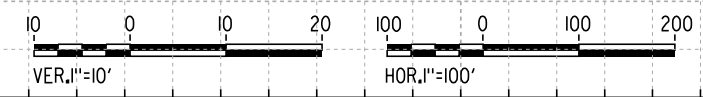
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PLAN



PROFILE



STATION	2790+00	1	2	3	4	2795+00	6	7	8	9	2800+00	1	2	3	4	2805+00	6	7	8	9	2810+00	1	2	3	4	2815+00	6	7	2818+00	TOTAL
Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

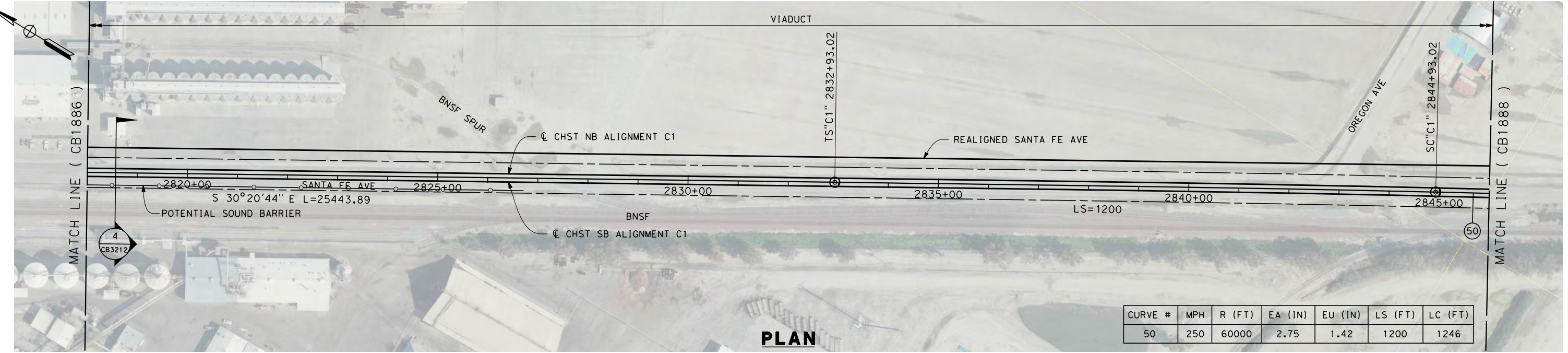
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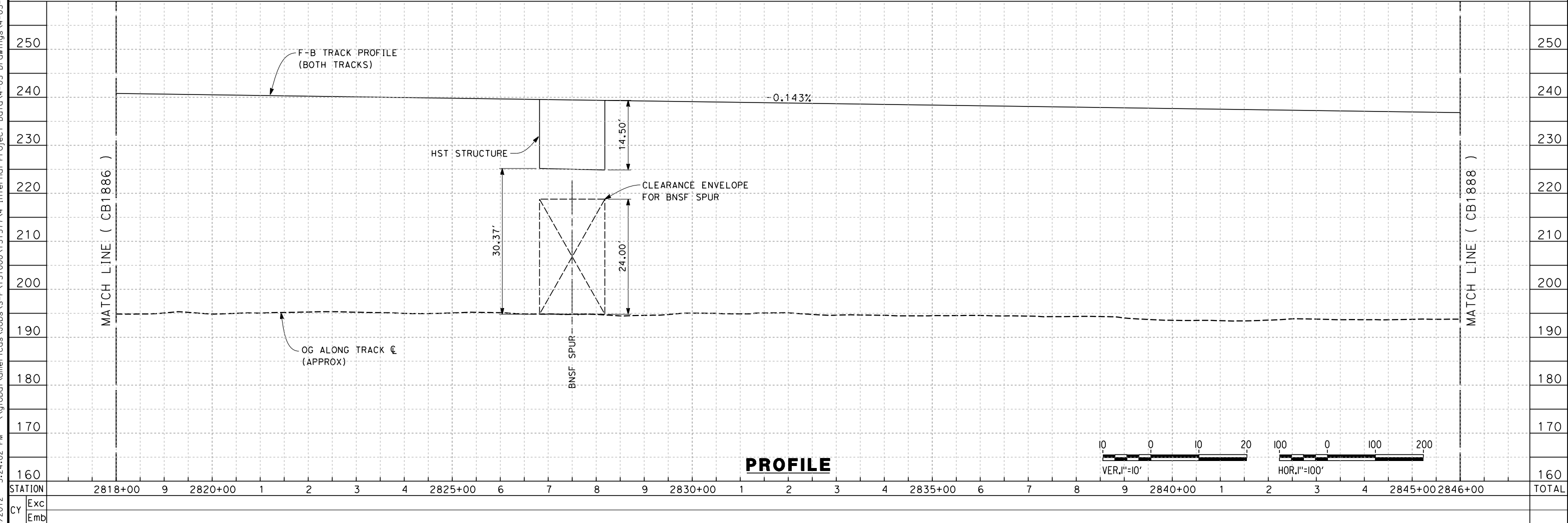
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN SUBSECTION
 ALIGNMENT C1
 STA. 2790+00 TO 2818+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1886
 SCALE
AS SHOWN
 SHEET NO.
8 OF 21

6/5/2012 5:24:02 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\1\CB-1887-C1.dgn



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

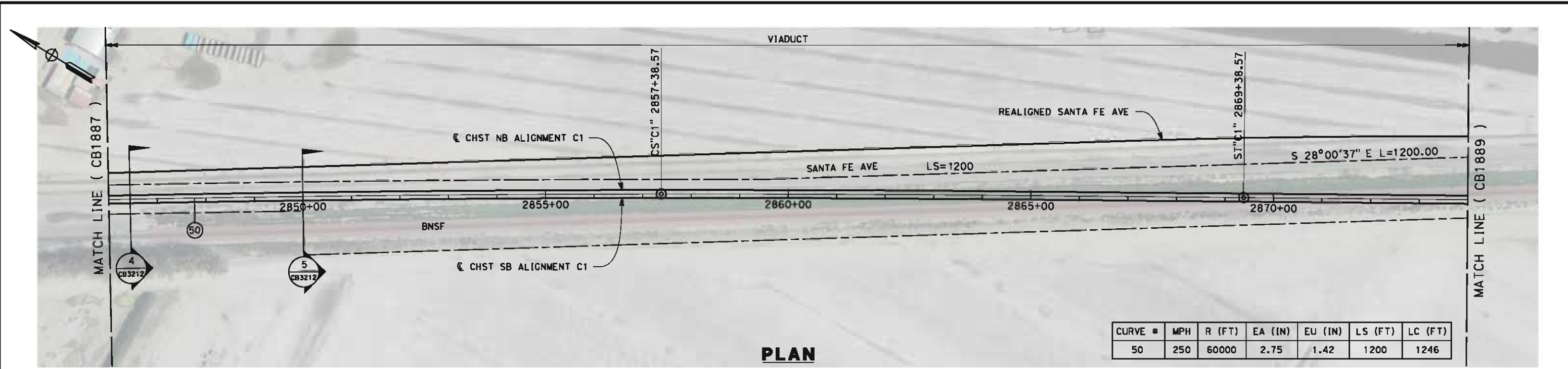


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

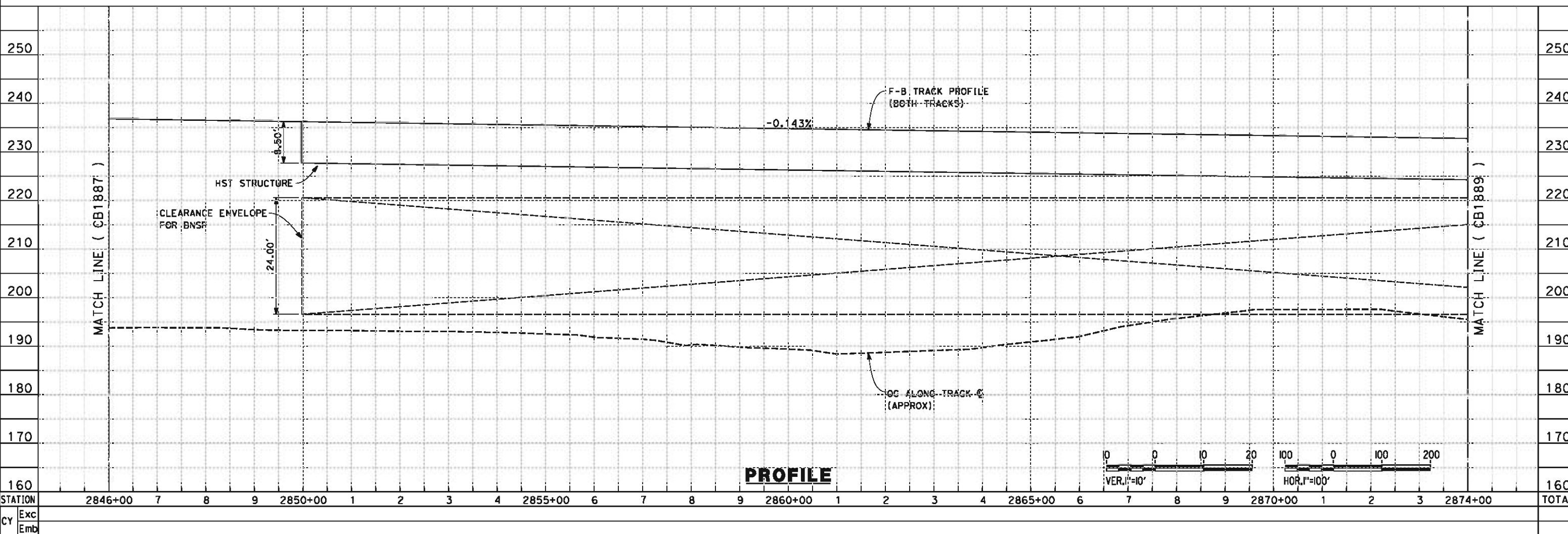
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2818+00 TO 2846+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1887
SCALE
AS SHOWN
SHEET NO.
9 OF 21

5/15/2012 5:31:35 PM \\g:\lab\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\NC1\FB-CB-1888-C1.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
50	250	60000	2.75	1.42	1200	1246



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2846+00 TO 2874+00
PLAN AND PROFILE

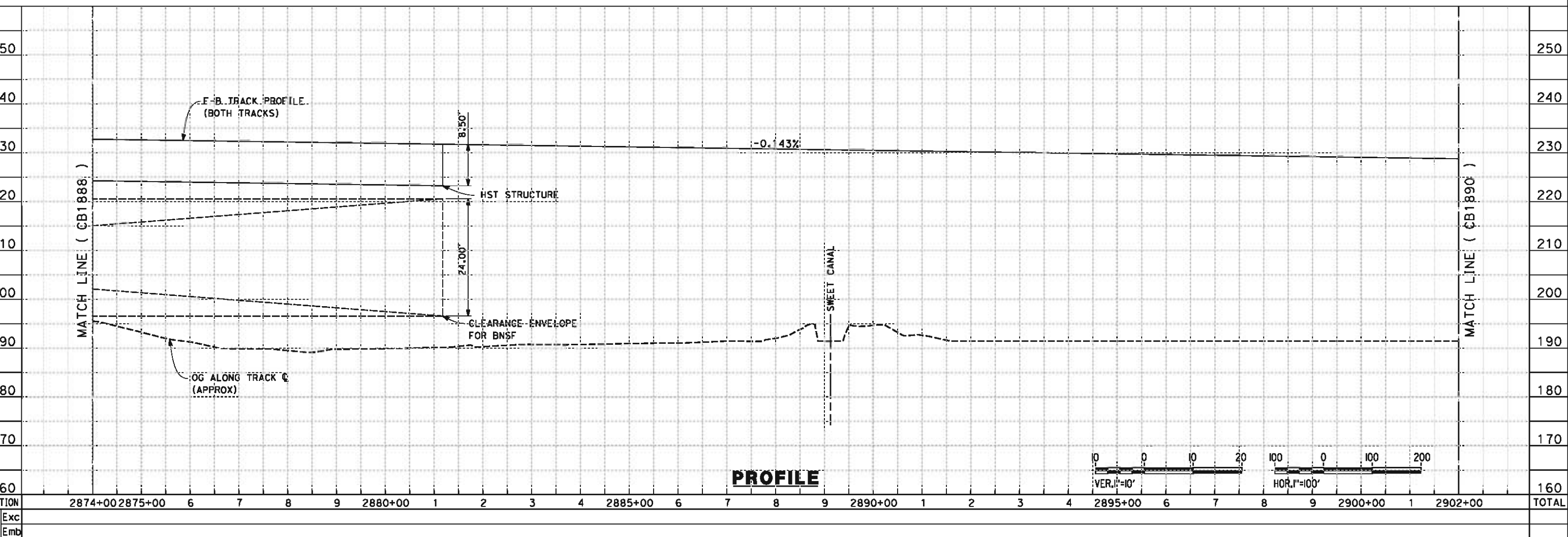
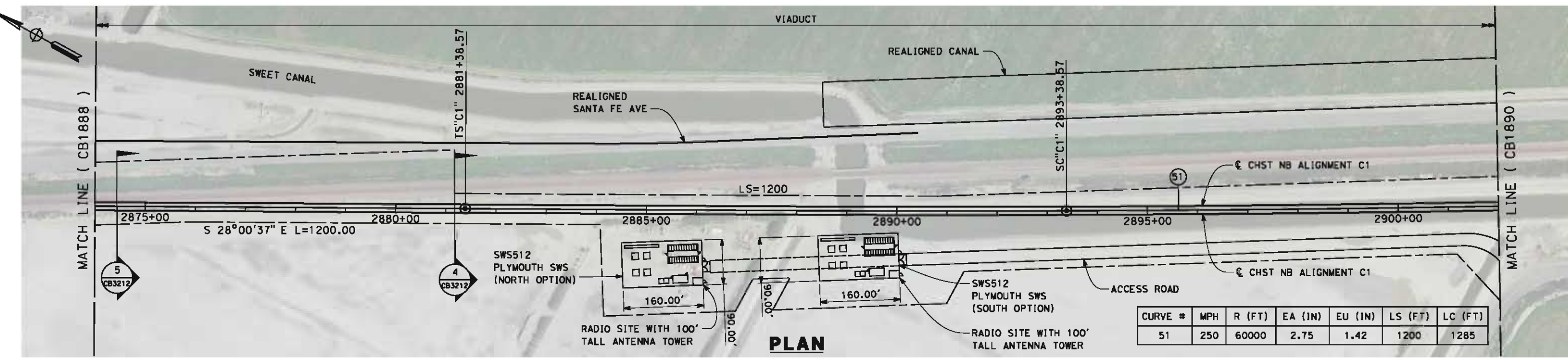
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1888

SCALE
AS SHOWN

SHEET NO.
10 OF 21

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

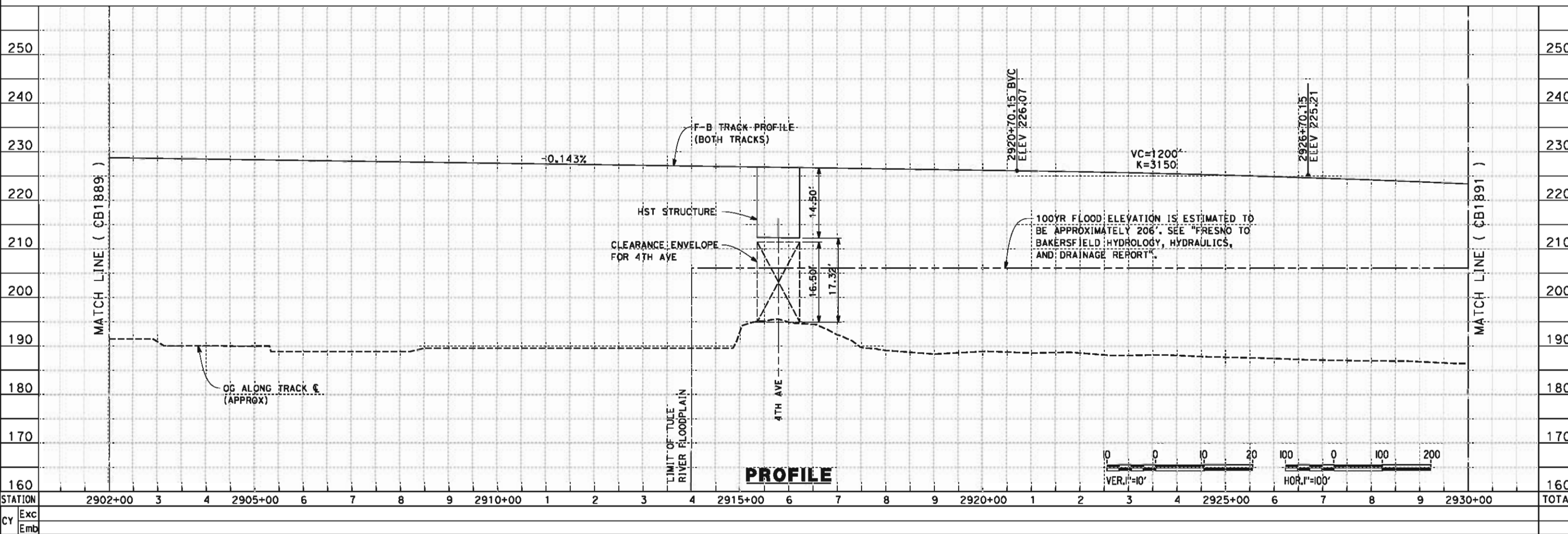
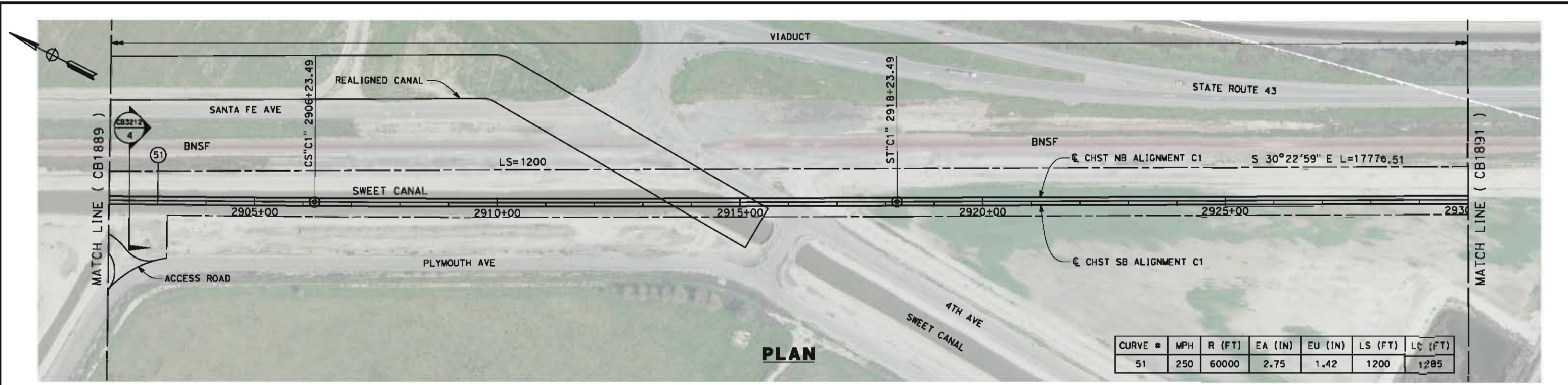
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2874+00 TO 2902+00
PLAN AND PROFILE

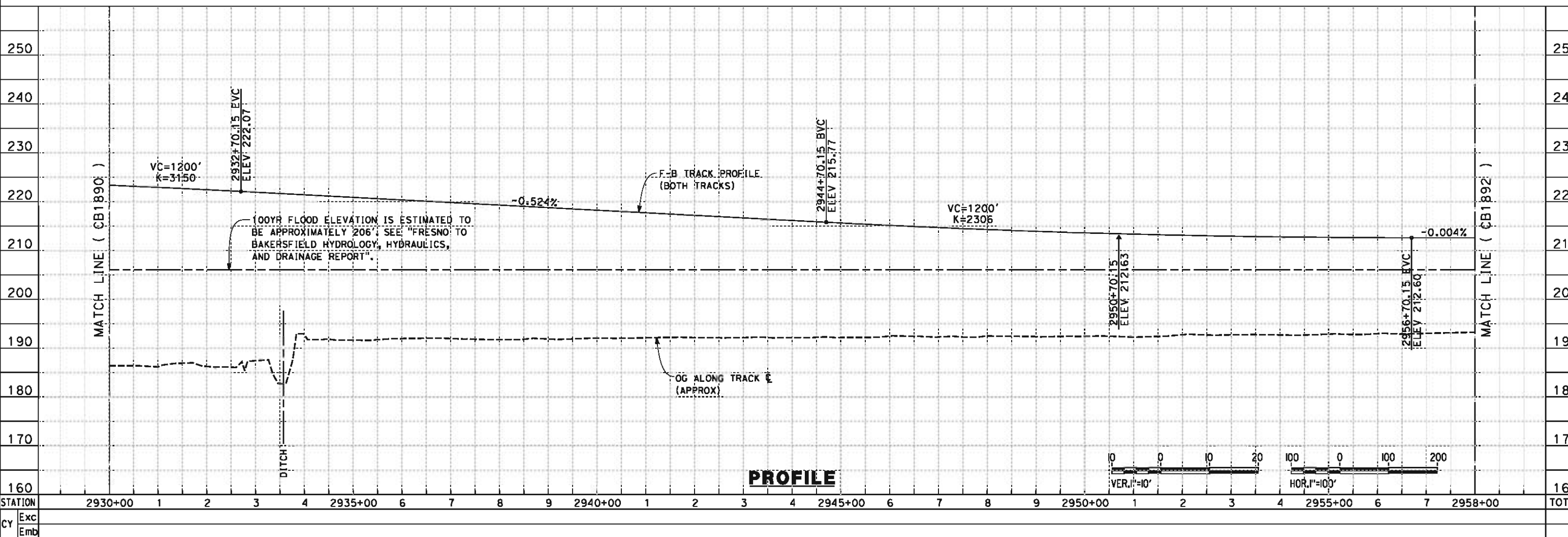
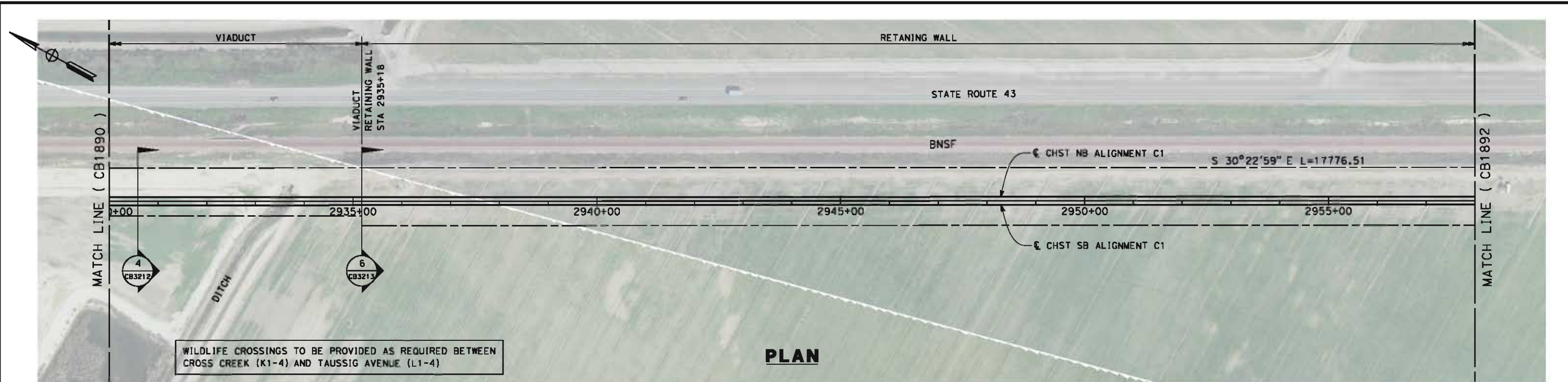
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1889
SCALE
AS SHOWN
SHEET NO.
11 OF 21

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STATION	Exc	Emb	DESIGNED BY	RECORD SET 15% DESIGN SUBMISSION	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT		CONTRACT NO.
			G. WALKER					FRESNO TO BAKERSFIELD		HSR 06-0003
2902+00			DRAWN BY					CORCORAN SUBSECTION		DRAWING NO.
3			J. REILLY					ALIGNMENT C1		CB1890
4			CHECKED BY					STA. 2902+00 TO 2930+00		SCALE
6			D. HUNT					PLAN AND PROFILE		AS SHOWN
7			IN CHARGE							SHEET NO.
8			R. COFFIN							12 OF 21
9			DATE							
2910+00			05/18/12							
2915+00										
2920+00										
2925+00										
2930+00										
TOTAL										

5/14/2012 5:07:06 PM \\global\america\labs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\1\CB-1891-C1.dgn paul.tankin

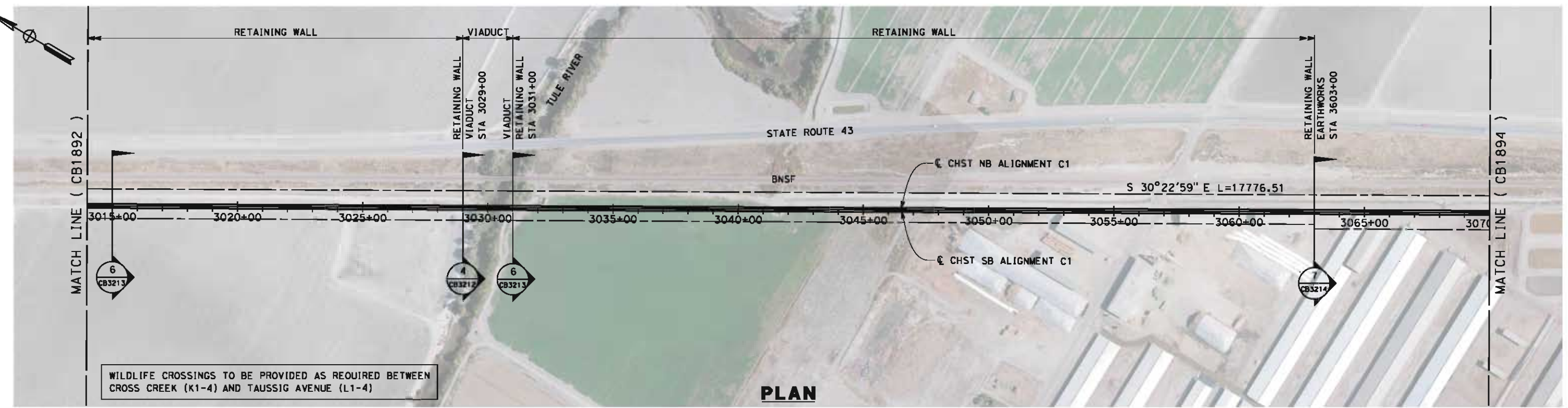


DESIGNED BY G. WALKER	DRAWN BY J. REILLY	CHECKED BY D. HUNT	IN CHARGE R. COFFIN	DATE 05/18/12
RECORD SET 15% DESIGN SUBMISSION				
NOT FOR CONSTRUCTION				

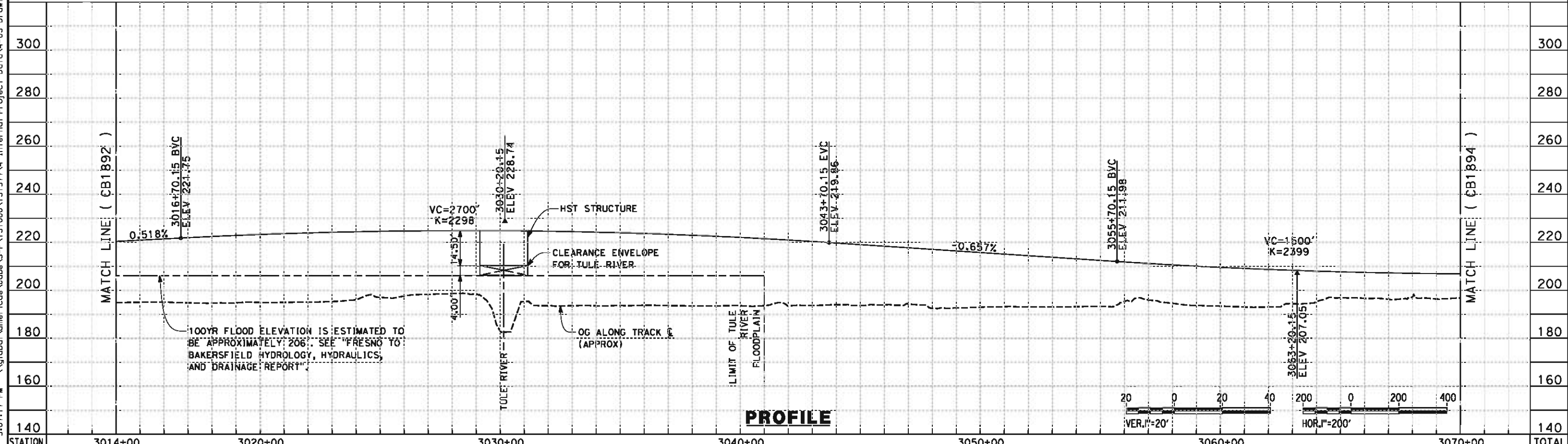
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2930+00 TO 2958+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1891
SCALE AS SHOWN
SHEET NO. 13 OF 21

5/14/2012 5:07:17 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\NC1\FB-CB-1893-C1.dgn



PLAN



PROFILE

STATION	3014+00	3020+00	3030+00	3040+00	3050+00	3060+00	3070+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

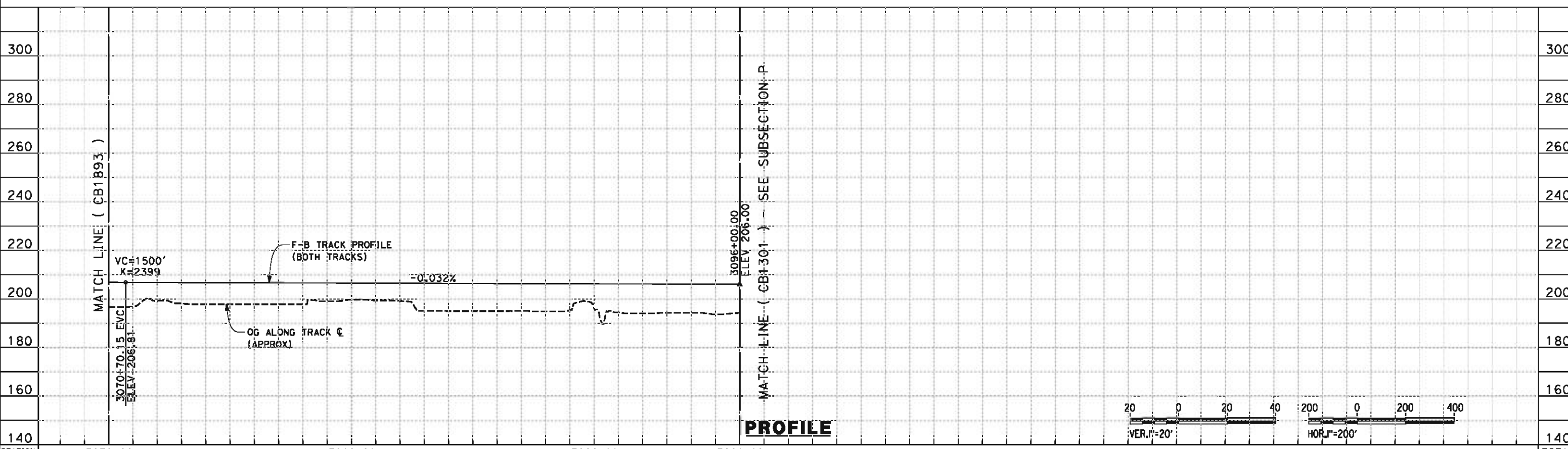
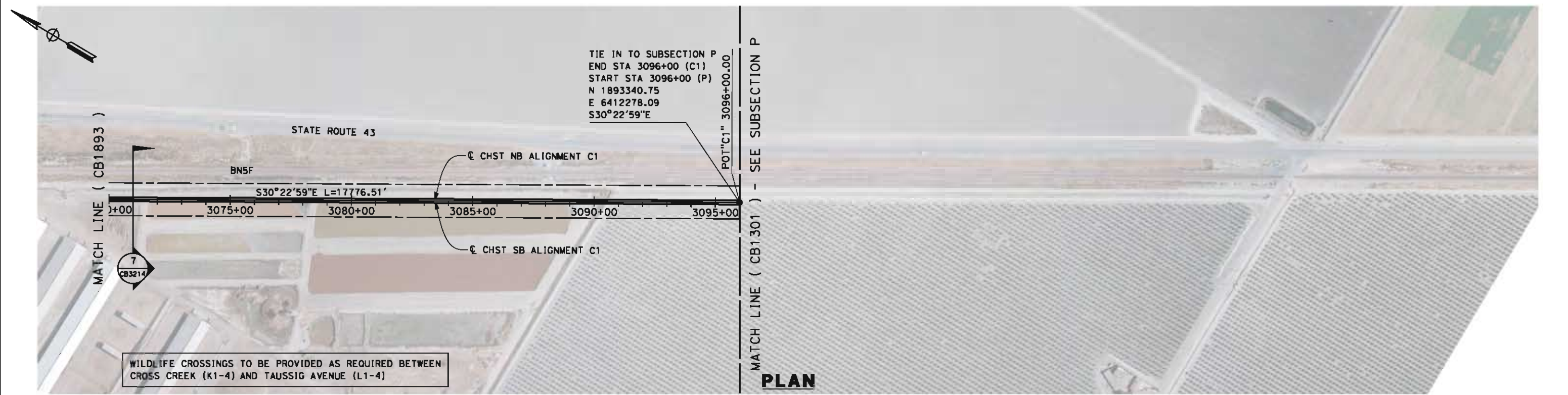
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 3014+00 TO 3070+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1893
SCALE
AS SHOWN
SHEET NO.
15 OF 21

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STATION	3070+00	3080+00	3090+00	3096+00	TOTAL
Exc					
Emb					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
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**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 3070+00 TO 3096+00
PLAN AND PROFILE

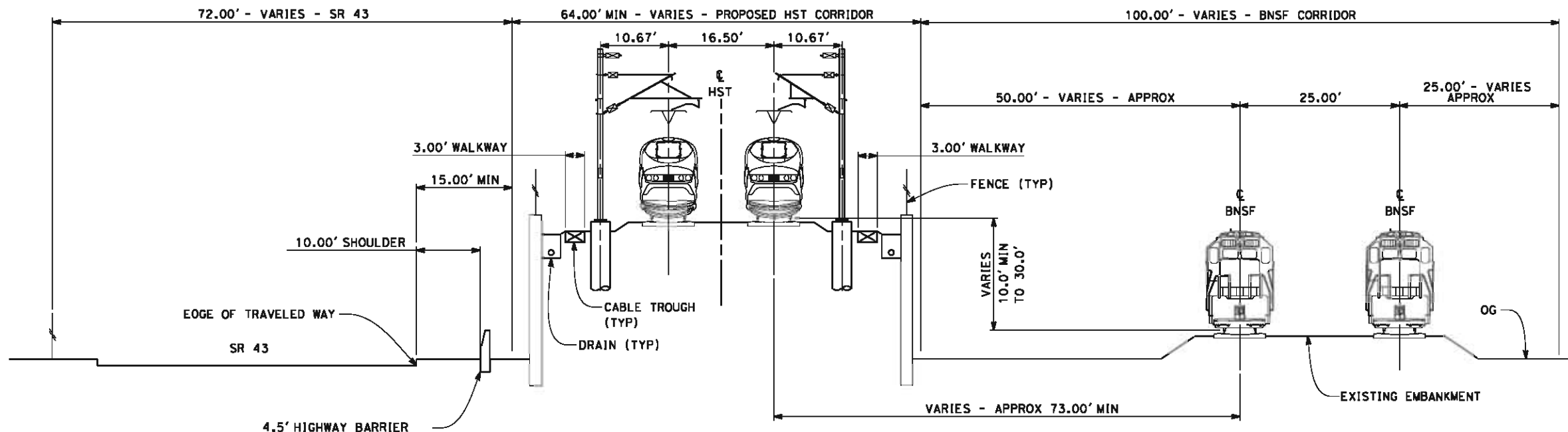
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1894

SCALE
AS SHOWN

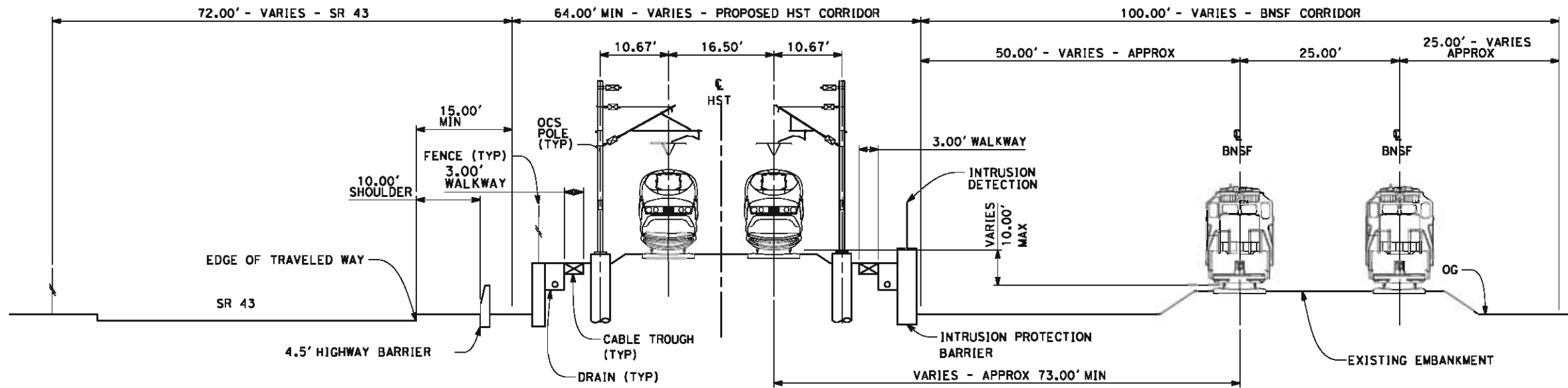
SHEET NO.
16 OF 21

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SECTION 1

TWIN TRACK - CONSTRUCTION OUTSIDE SR 43 ROADWAY AND BNSF ROW - RETAINED FILL OVER 10'
 STA. 2578+49 THROUGH 2605+00
 STA. 2702+00 THROUGH 2716+58



SECTION 2

TWIN TRACK - CONSTRUCTION OUTSIDE SR 43 ROADWAY AND BNSF ROW - RETAINED FILL UNDER 10'
 STA. 2605+00 THROUGH 2702+00

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

CORCORAN SUBSECTION
 ALIGNMENT C1
 CROSS SECTIONS

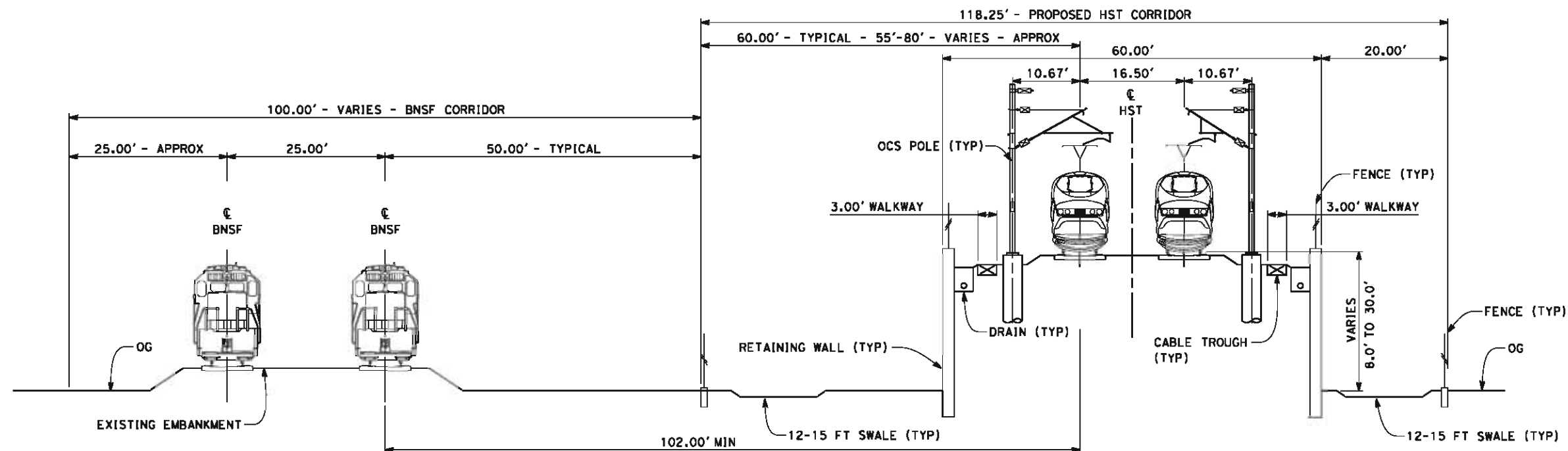
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB3210

SCALE
AS SHOWN

SHEET NO.
17 OF 21

NOTES:
 1. TRACKFORM SHOWN IS INDICATIVE



SECTION 6

TWIN TRACKS - ADJACENT TO BNSF - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 2935+18 THROUGH 3029+10
 STA 3030+50 THROUGH 3063+00



5/14/2012 5:07:35 PM \\global\americas\labs\5-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15x Redesign\4-03-02 Design Sheets\Rail\NC1\FB-CB-3213-C1.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 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
 CORCORAN SUBSECTION
 ALIGNMENT C1
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3213
 SCALE
AS SHOWN
 SHEET NO.
20 OF 21

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LEGEND

- +—+— EXISTING FREIGHT RAILROAD
- PROPOSED CHST

2000 0 2000 4000
1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2571+10 TO 3096+00
KEY MAP

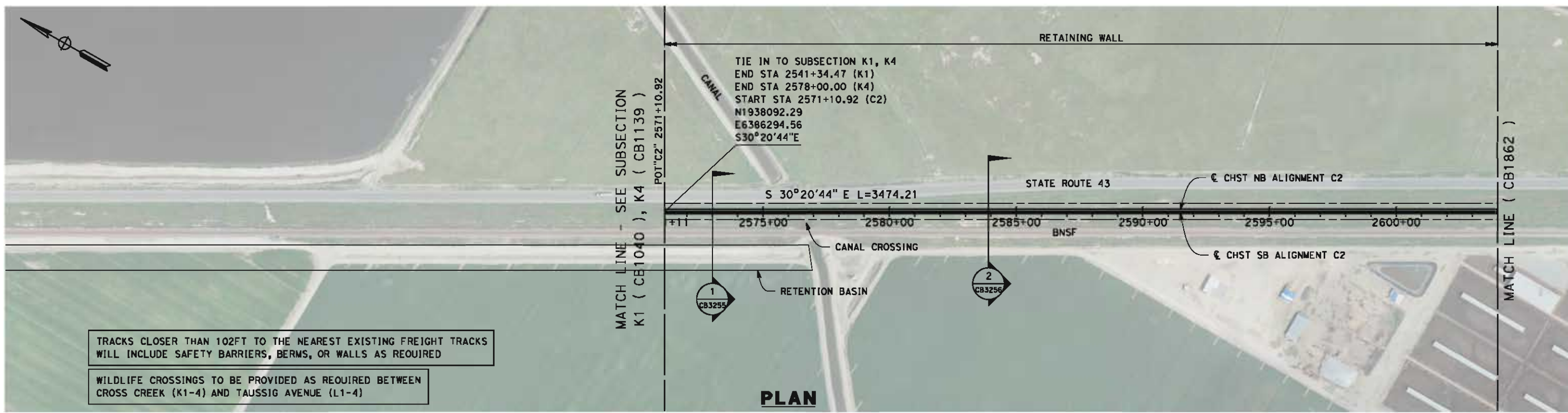
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HSR 06-0003

DRAWING NO.
CB1850

SCALE
AS SHOWN

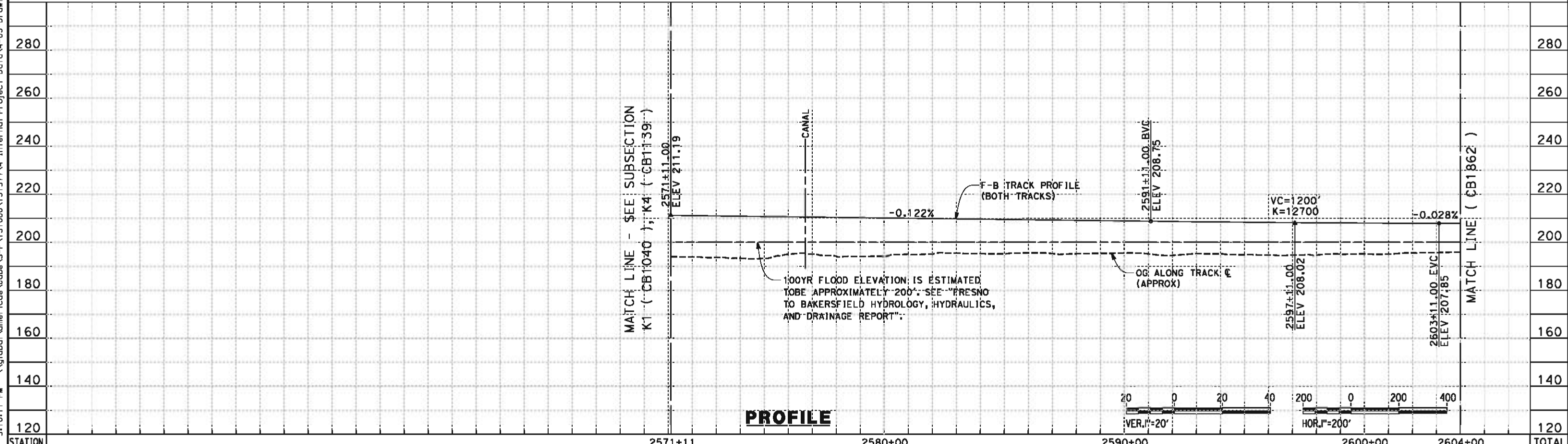
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1 OF 18

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

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



STATION	2571+11	2580+00	2590+00	2600+00	2604+00	TOTAL
Exc						
Emb						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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

CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STA. 2571+10 TO 2604+00
 PLAN AND PROFILE

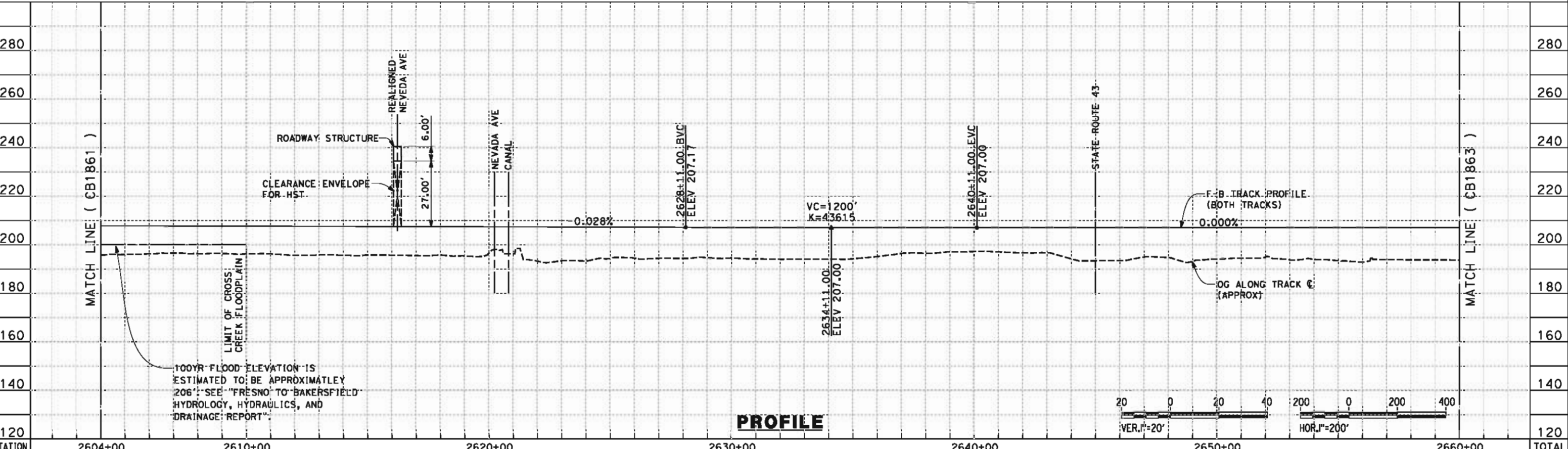
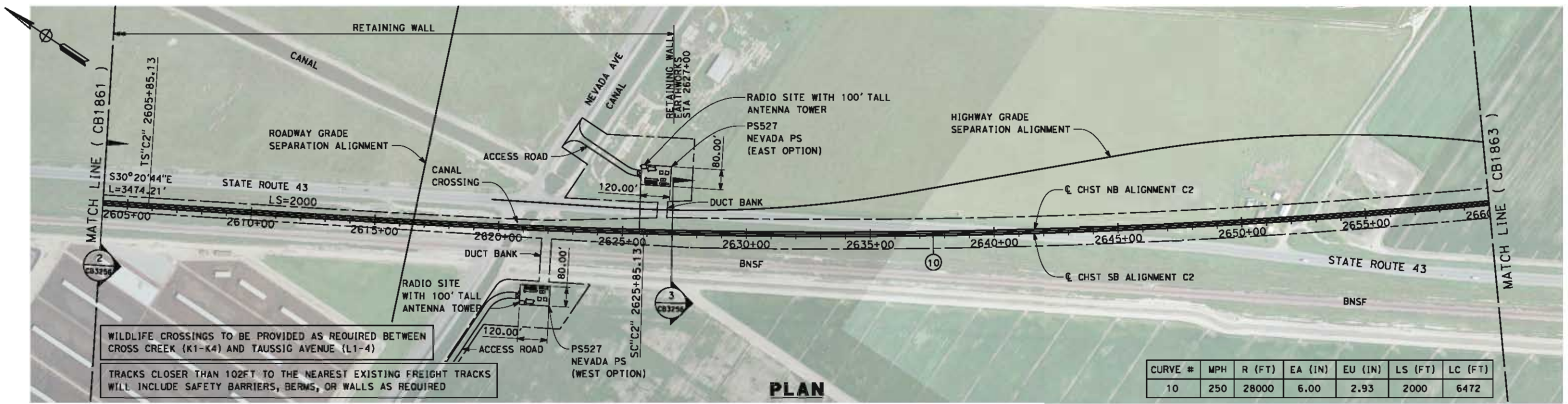
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1861

SCALE
AS SHOWN

SHEET NO.
2 OF 18

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STATION	2604+00	2610+00	2620+00	2630+00	2640+00	2650+00	2660+00	TOTAL
Exc								
Emb								

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

RECORD SET 15%
DESIGN SUBMISSION

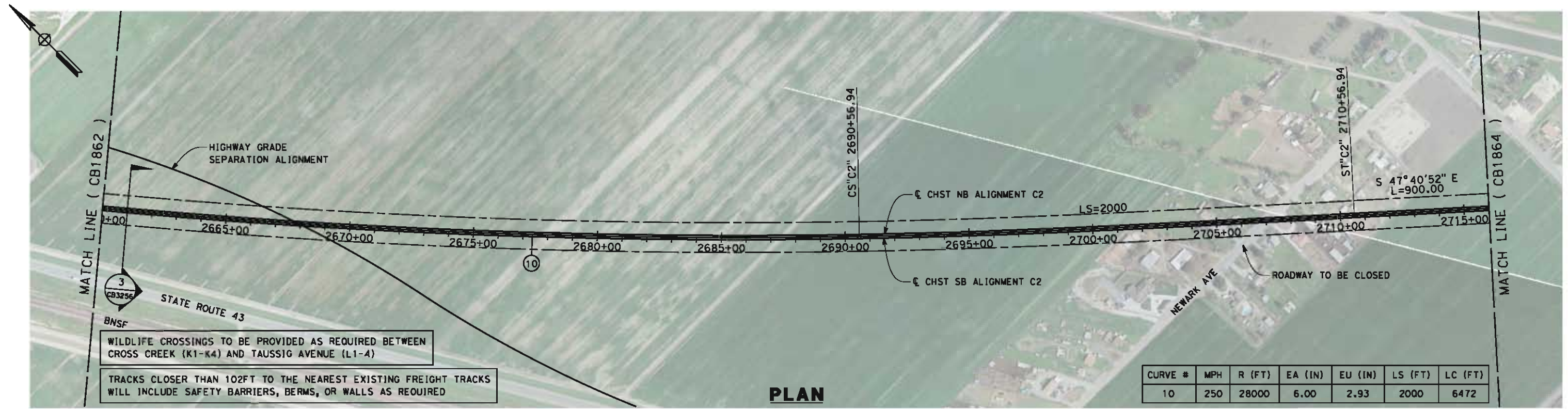
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2604+00 TO 2660+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1862
SCALE
AS SHOWN
SHEET NO.
3 OF 18

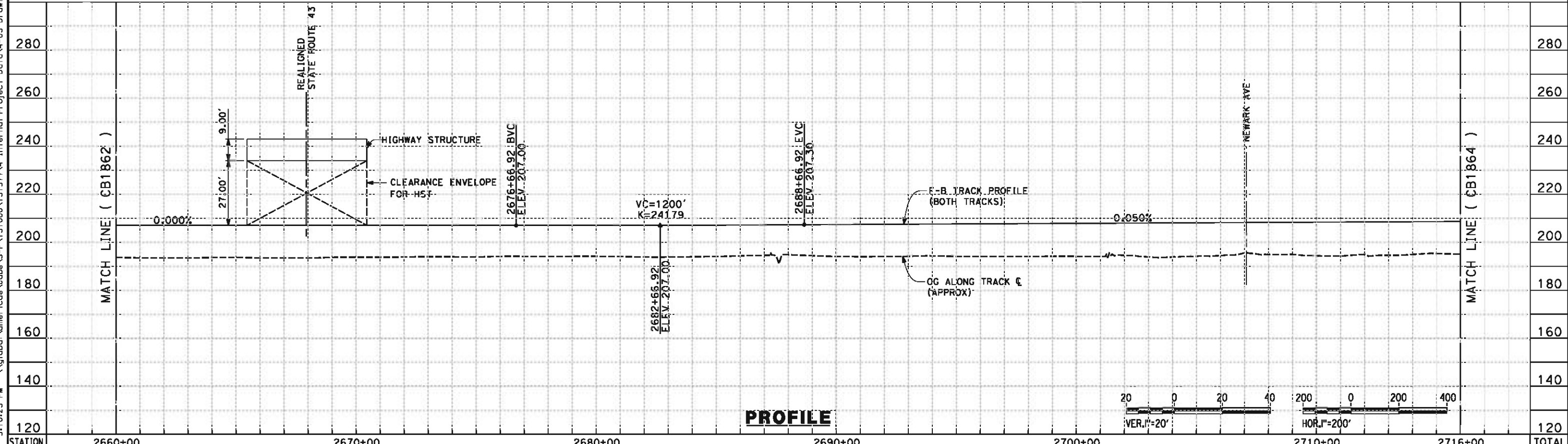
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-K4) AND TAUSSIG AVENUE (L1-4)

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

PLAN



PROFILE

STATION	2660+00	2670+00	2680+00	2690+00	2700+00	2710+00	2716+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STA. 2660+00 TO 2716+00
 PLAN AND PROFILE

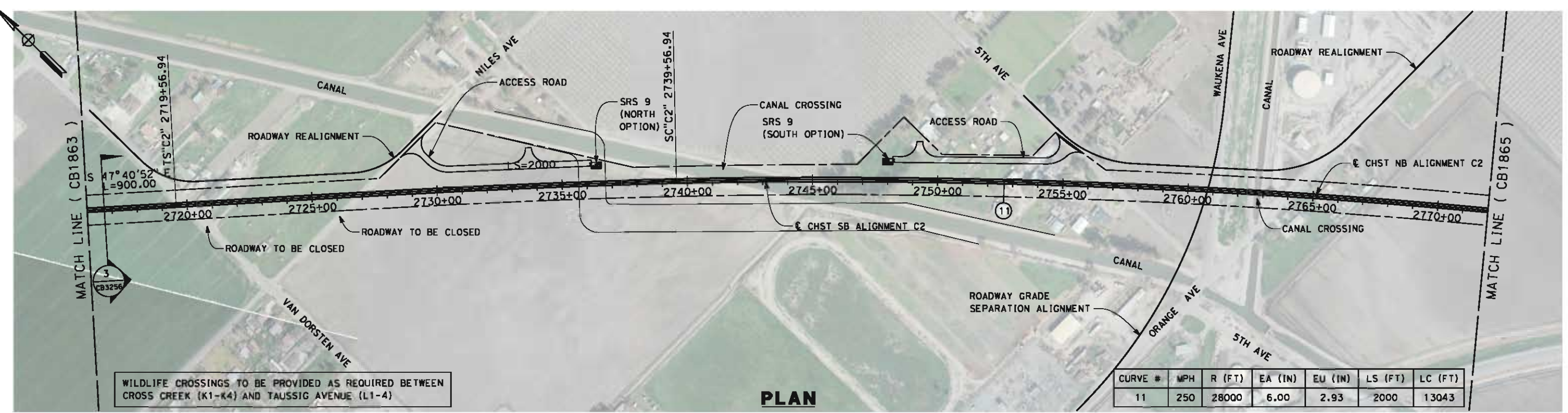
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1863

SCALE
AS SHOWN

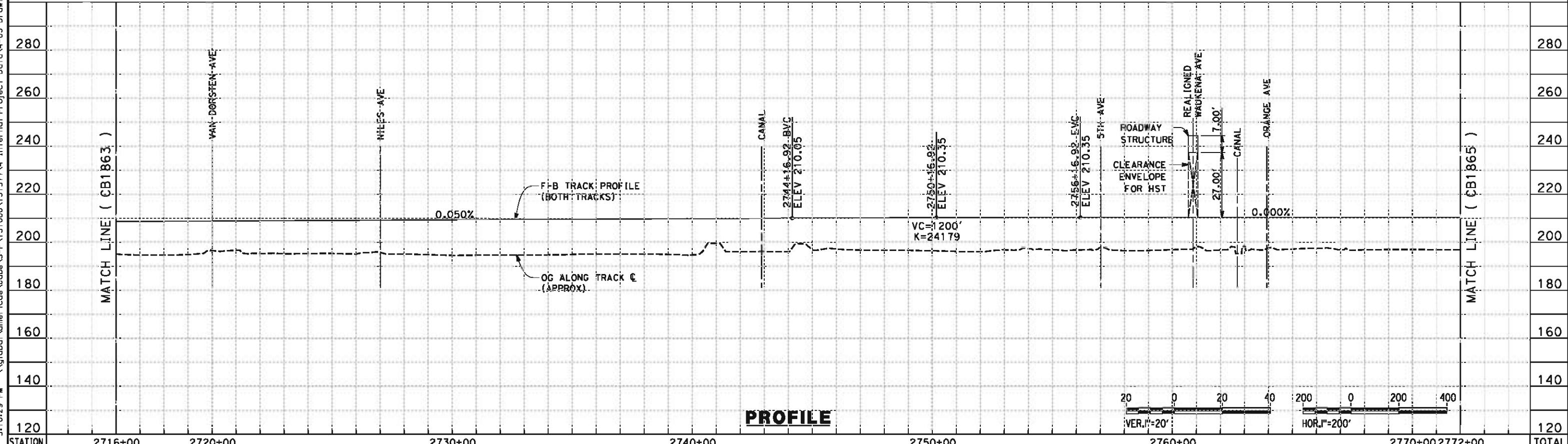
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-K4) AND TAUSSIG AVENUE (L1-4)

PLAN



PROFILE

STATION	2716+00	2720+00	2730+00	2740+00	2750+00	2760+00	2770+00	2772+00	TOTAL
---------	---------	---------	---------	---------	---------	---------	---------	---------	-------

Exc									
Emb									

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

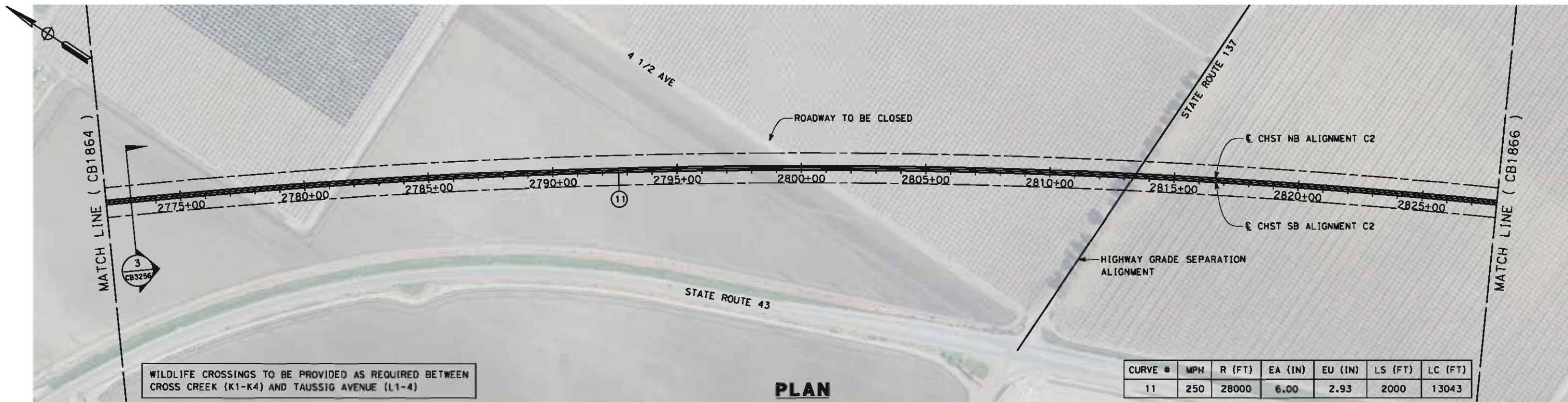
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2716+00 TO 2772+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1864
SCALE
AS SHOWN
SHEET NO.
5 OF 18

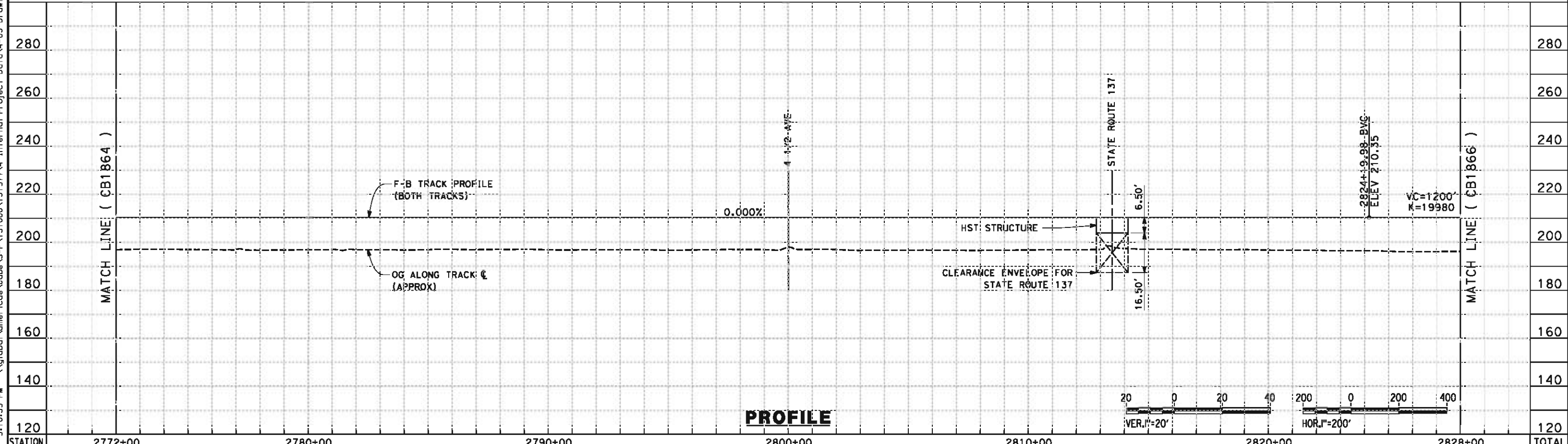
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-K4) AND TAUSSIG AVENUE (L1-4)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
11	250	28000	6.00	2.93	2000	13043

PLAN



PROFILE

STATION	2772+00	2780+00	2790+00	2800+00	2810+00	2820+00	2828+00	TOTAL
Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

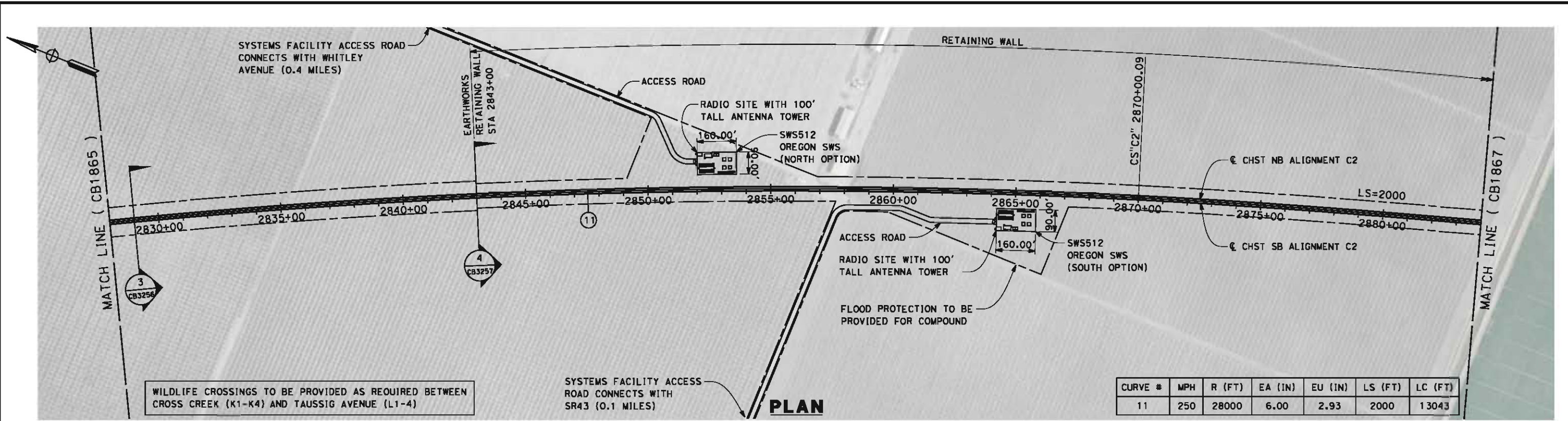
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2772+00 TO 2828+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1865
SCALE
AS SHOWN
SHEET NO.
6 OF 18

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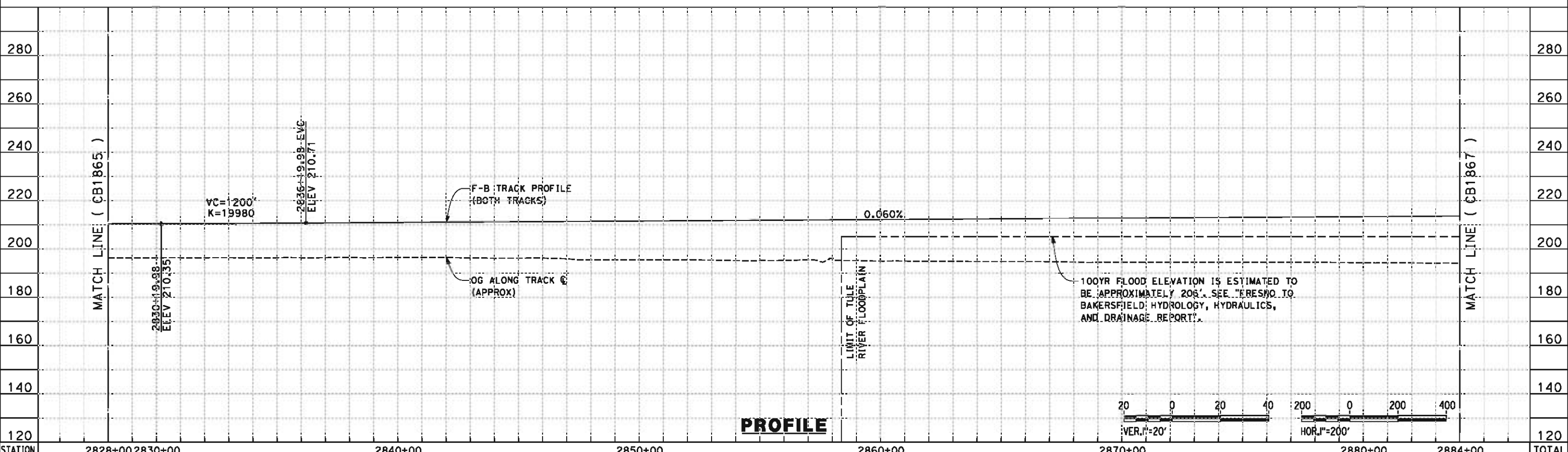


WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-K4) AND TAUSSIG AVENUE (L1-4)

SYSTEMS FACILITY ACCESS ROAD CONNECTS WITH SR43 (0.1 MILES)

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
11	250	28000	6.00	2.93	2000	13043

PLAN



100YR FLOOD ELEVATION IS ESTIMATED TO BE APPROXIMATELY 206'. SEE "FRESNO TO BAKERSFIELD HYDROLOGY, HYDRAULICS, AND DRAINAGE REPORT".

PROFILE



STATION	2828+00	2830+00	2840+00	2850+00	2860+00	2870+00	2880+00	2884+00	TOTAL
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CY	Exc	Emb							
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

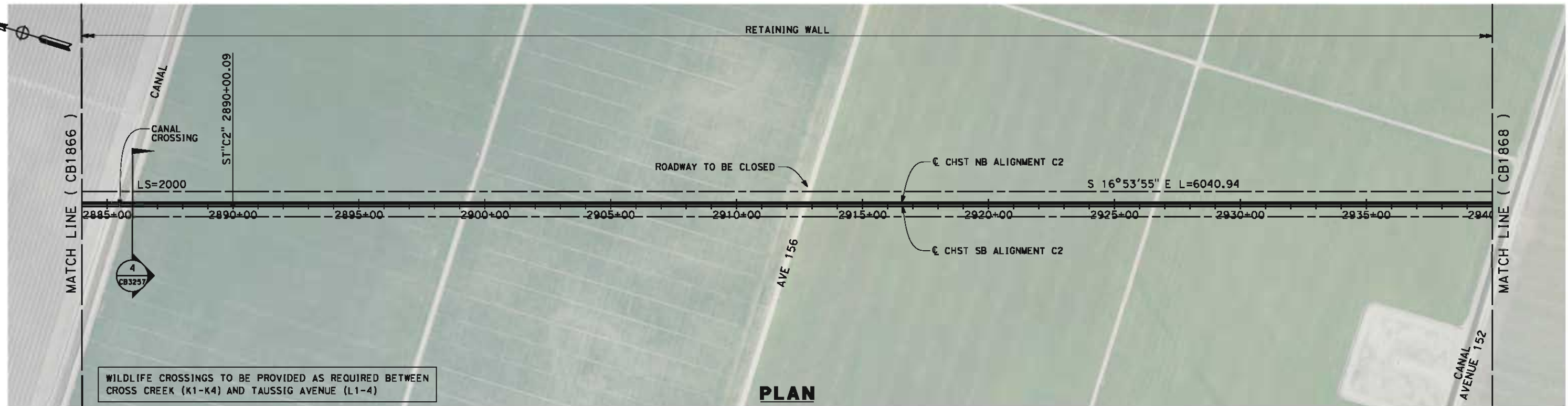
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CONSTRUCTION**



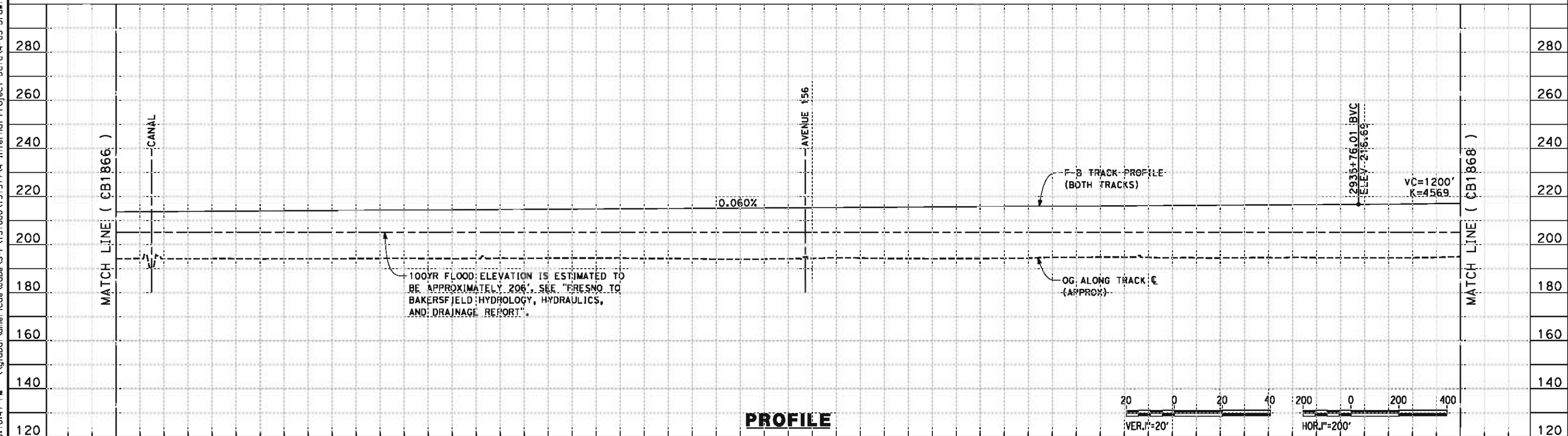
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2828+00 TO 2884+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1866
SCALE
AS SHOWN
SHEET NO.
7 OF 18

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



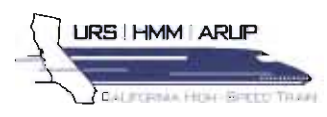
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Exc								
Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

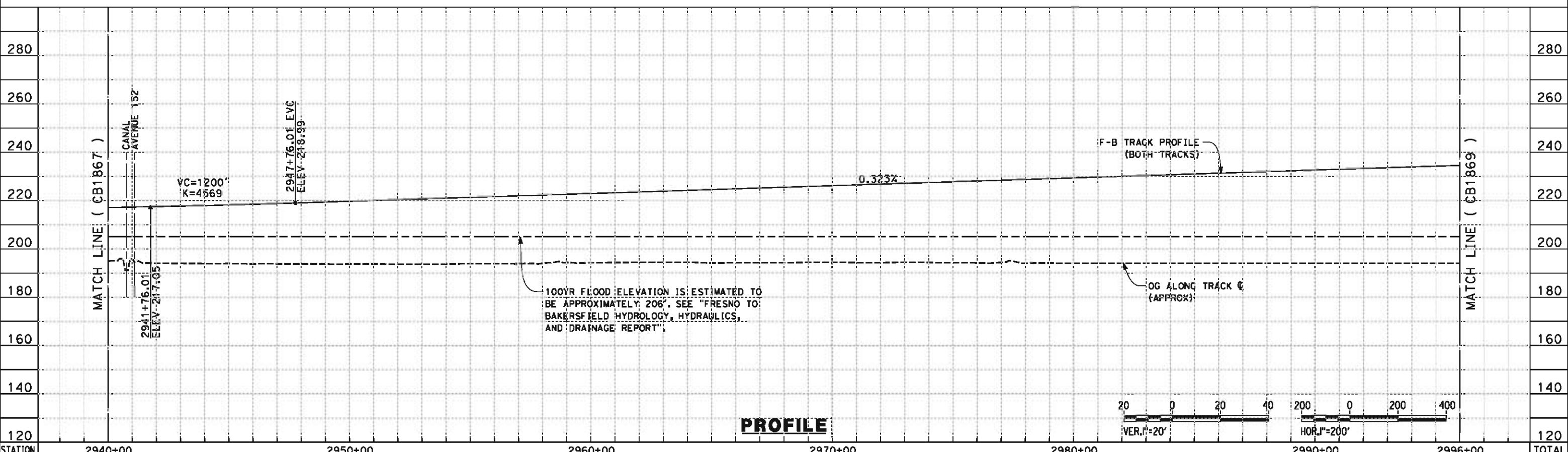
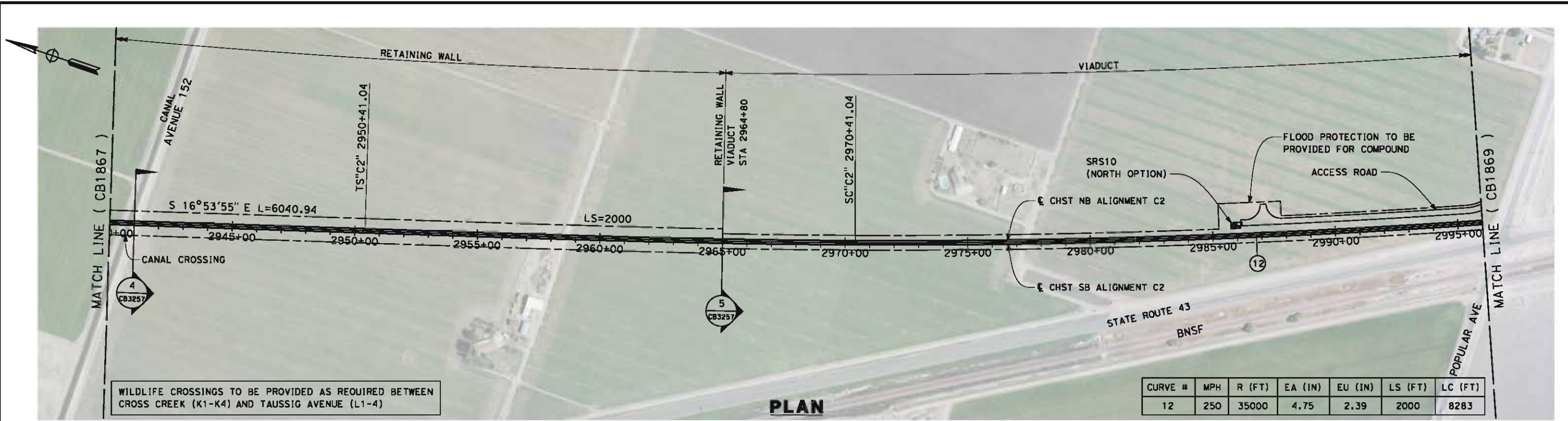
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STA. 2884+00 TO 2940+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1867
 SCALE
AS SHOWN
 SHEET NO.
8 OF 18

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STATION	2940+00	2950+00	2960+00	2970+00	2980+00	2990+00	2996+00	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

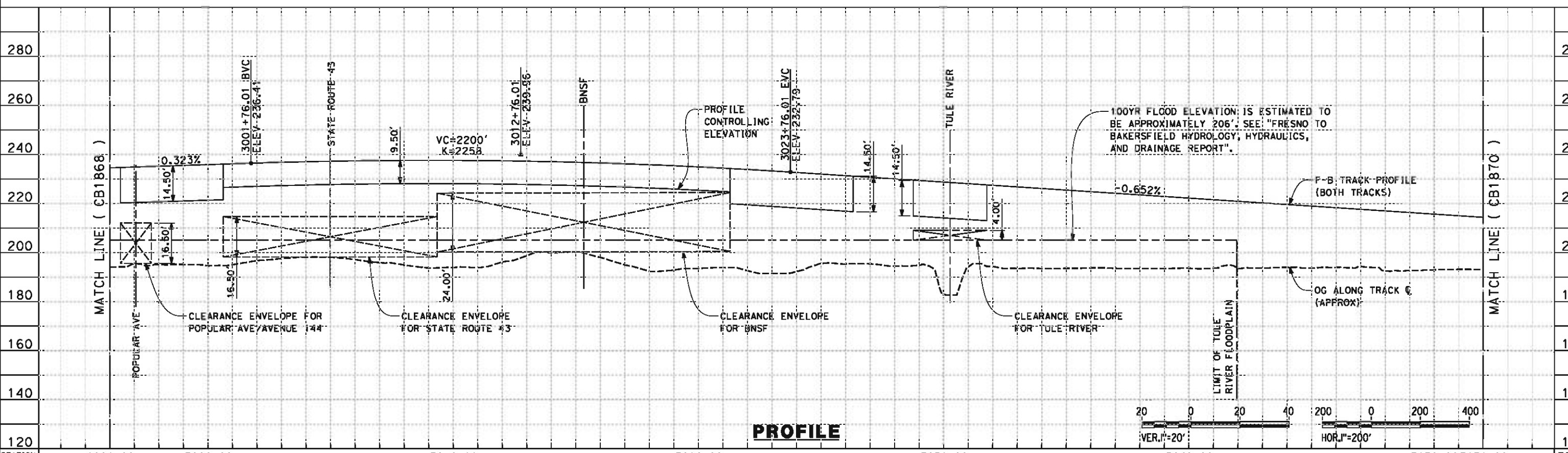
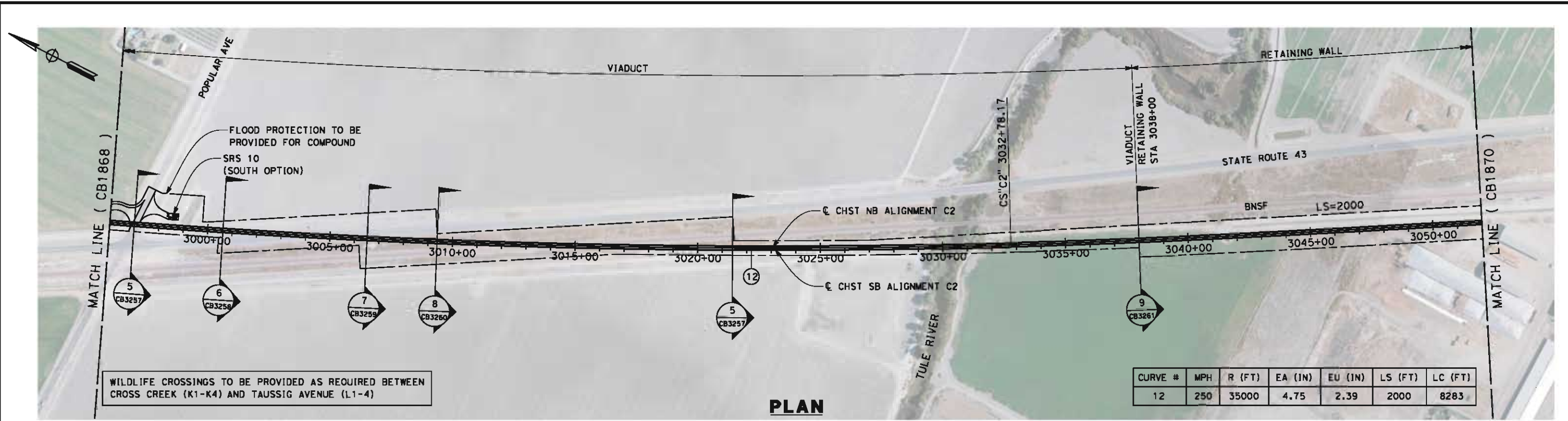
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2940+00 TO 2996+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1868
SCALE
AS SHOWN
SHEET NO.
9 OF 18

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STA. 2996+00 TO 3052+00
 PLAN AND PROFILE

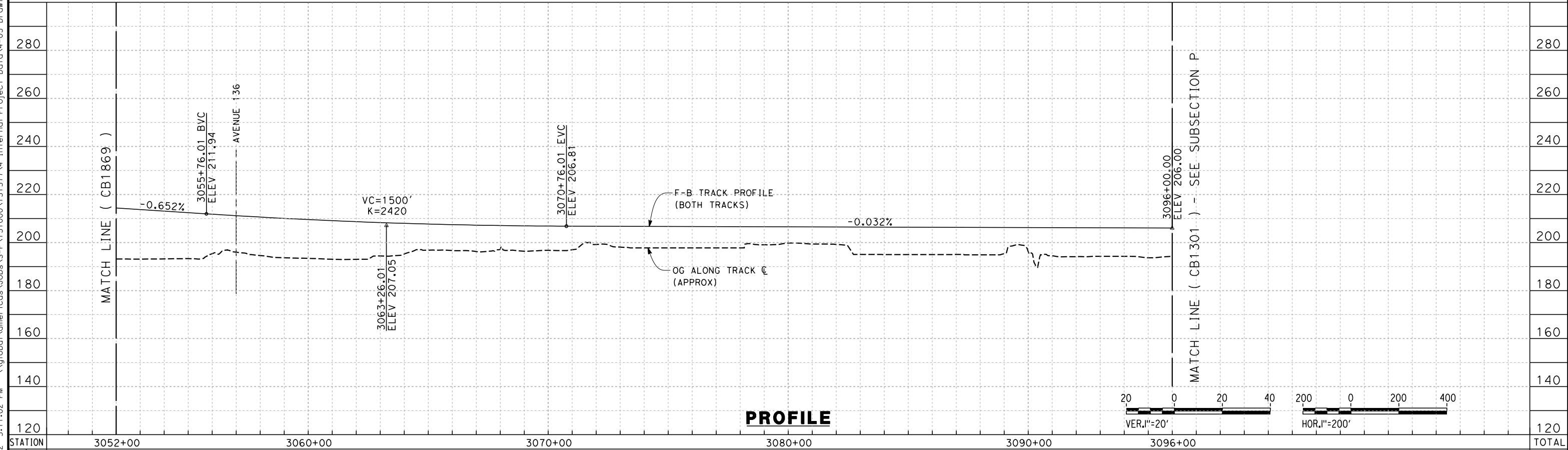
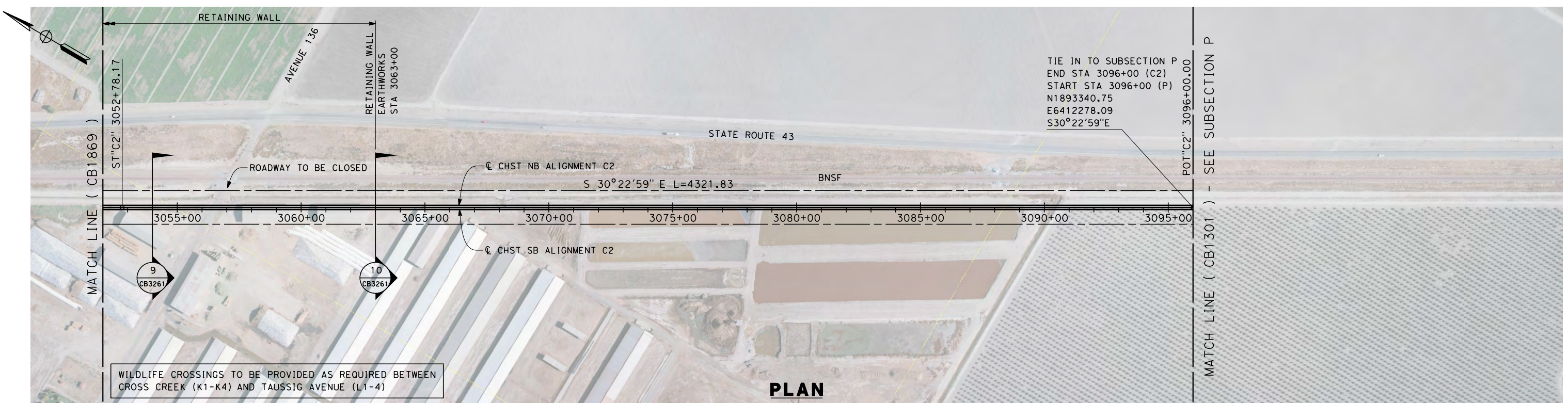
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HSR 06-0003

DRAWING NO.
CB1869

SCALE
AS SHOWN

SHEET NO.
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

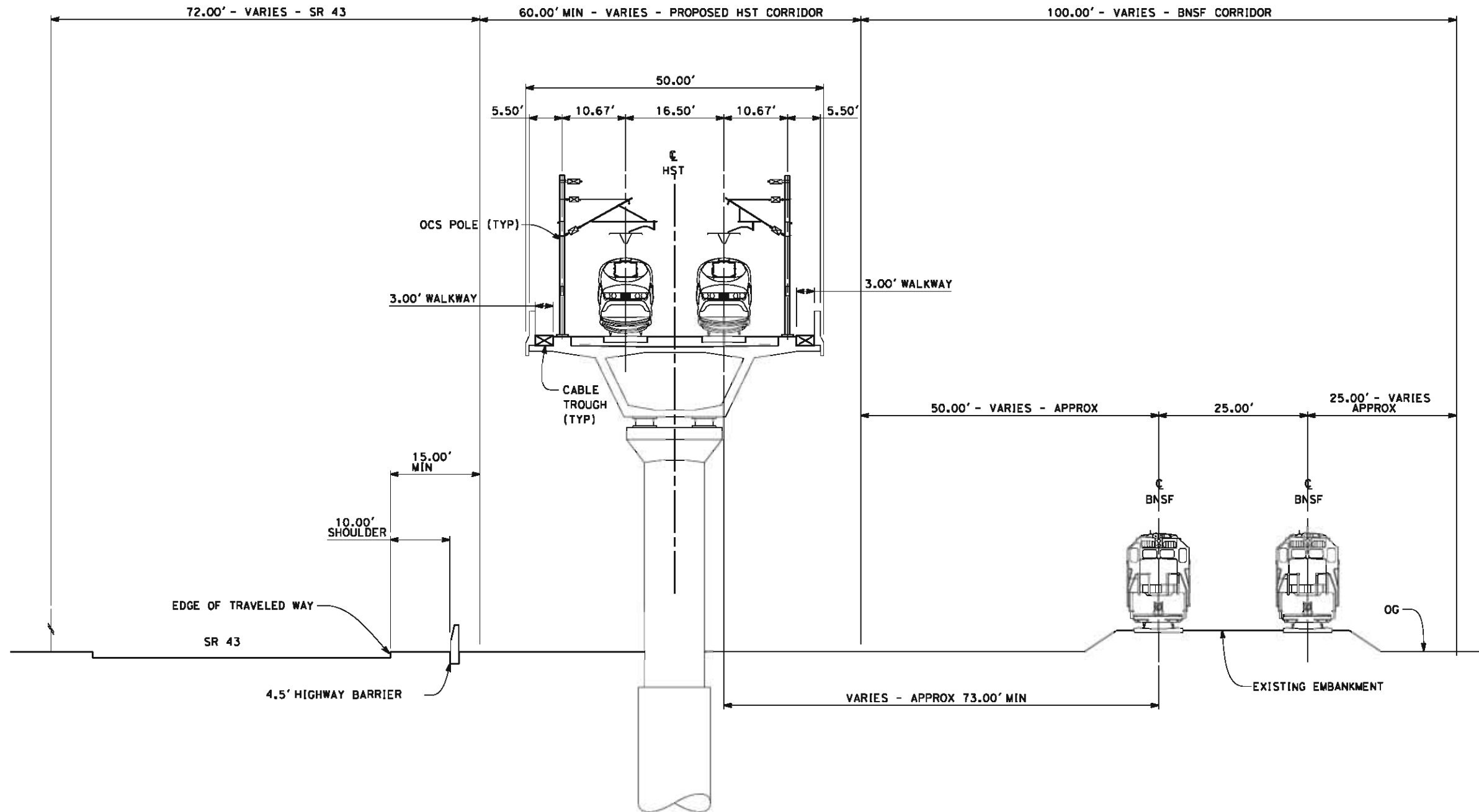
**RECORD SET 15%
 DESIGN SUBMISSION**
 NOT FOR
 CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STA. 3052+00 TO 3096+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1870
 SCALE
AS SHOWN
 SHEET NO.
11 OF 18

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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 TRACK - CONSTRUCTION OUTSIDE SR 43 ROADWAY AND BNSF ROW - VIADUCT
 STA 2571+11 THROUGH 2583+90



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

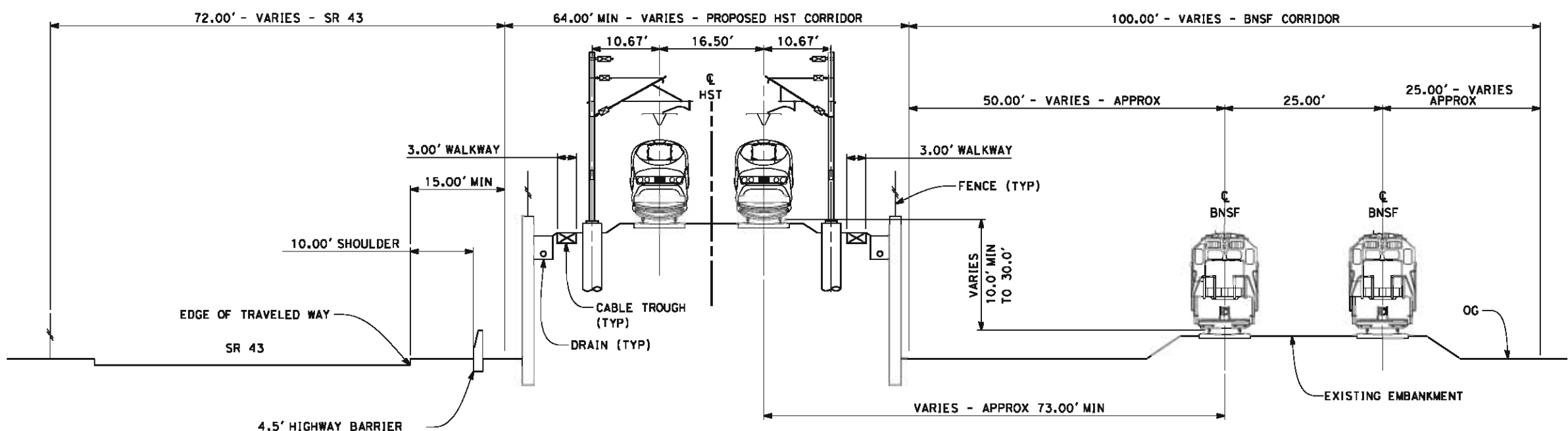


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 CROSS SECTIONS

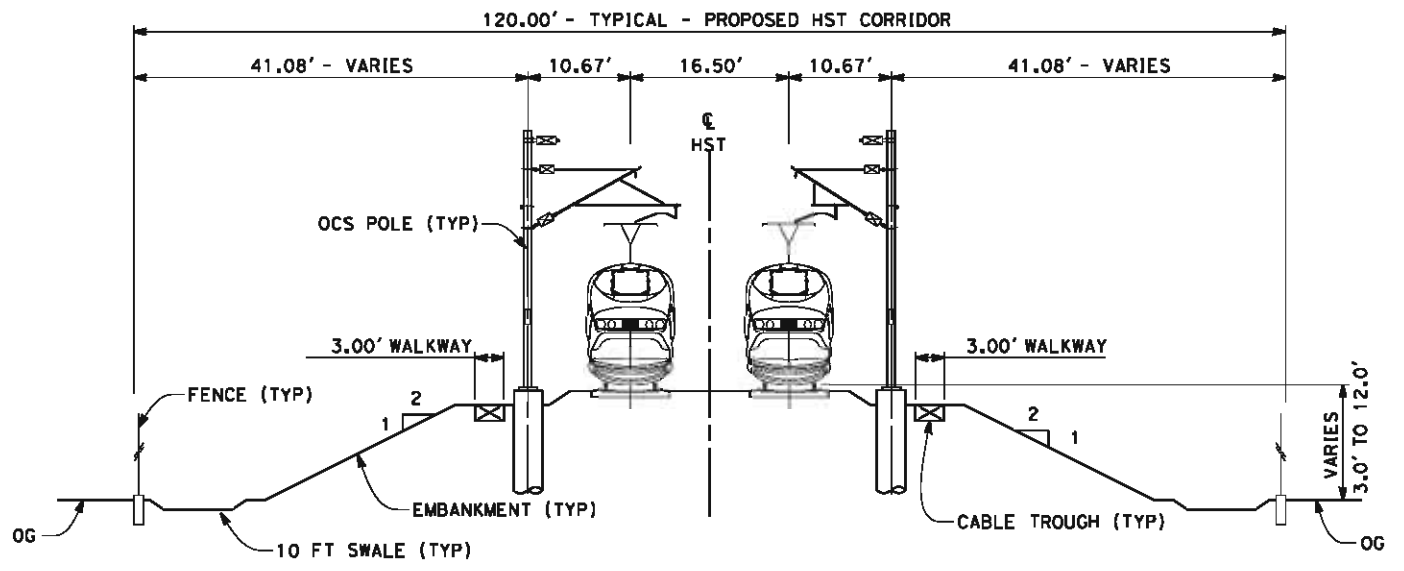
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 HSR 06-0003
 DRAWING NO.
 CB3255
 SCALE
 AS SHOWN
 SHEET NO.
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 2
 TWIN TRACK - CONSTRUCTION OUTSIDE SR-43 ROADWAY AND BNSF ROW - RETAINED FILL EMBANKMENT
 STA 2583+90 THROUGH 2627+00



SECTION 3
 TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
 STA 2627+00 THROUGH 2843+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

**RECORD SET 15%
 DESIGN SUBMISSION**

**NOT FOR
 CONSTRUCTION**

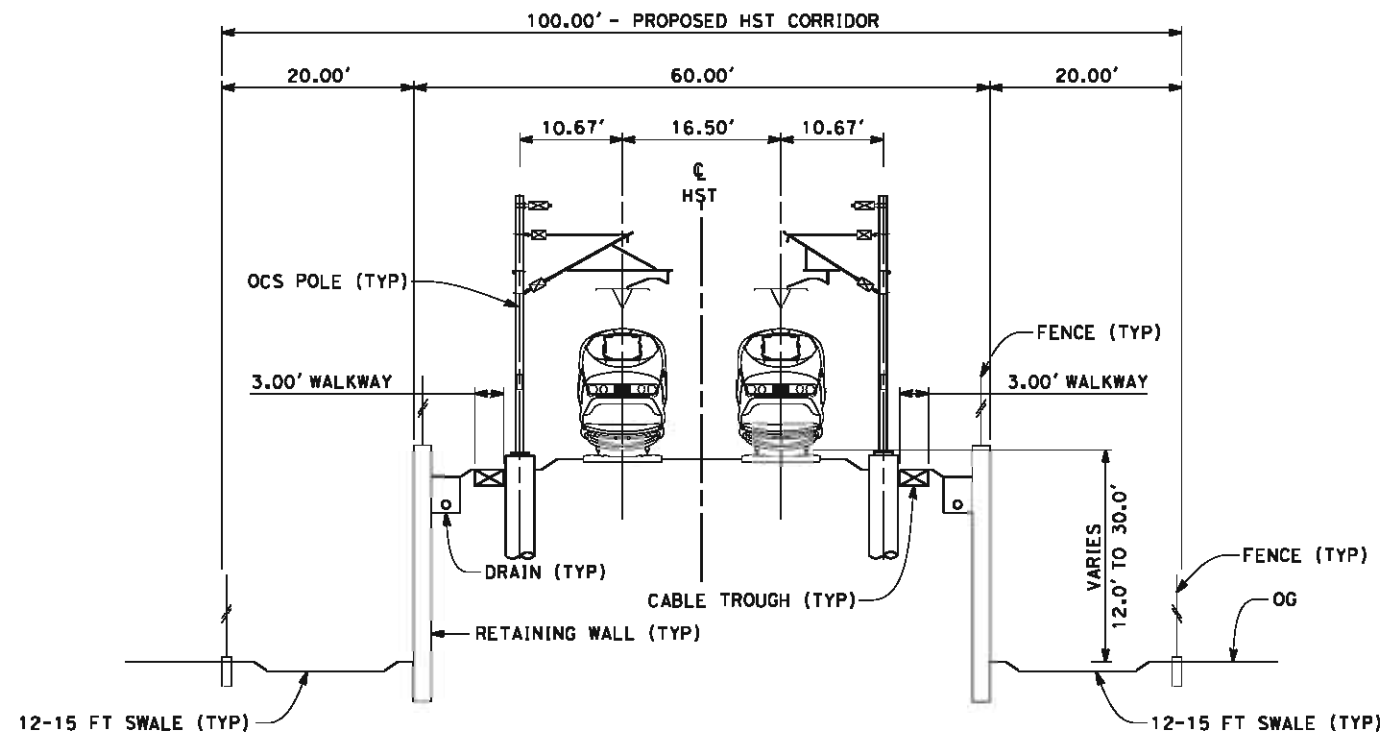


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 CROSS SECTIONS

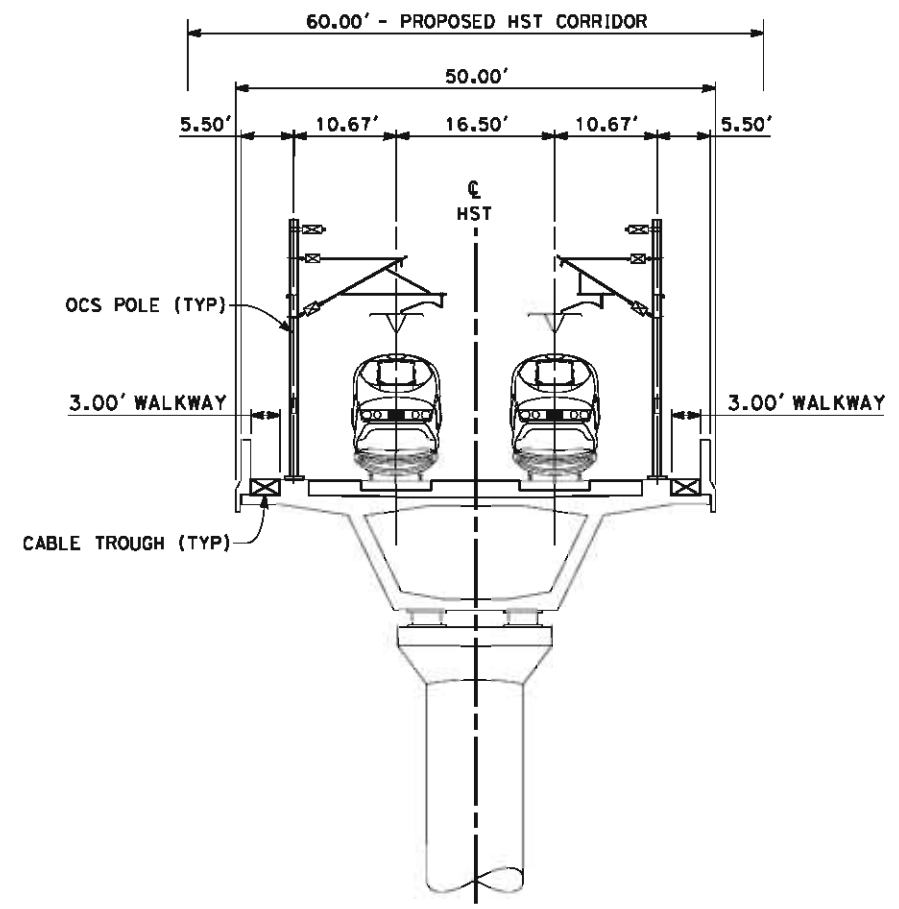
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HSR 06-0003
 DRAWING NO.
CB3256
 SCALE
AS SHOWN
 SHEET NO.
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 4
TWIN TRACKS - RETAINED EMBANKMENT WITH OPEN DRAINAGE
STA 2843+00 THROUGH STA 2964+80



SECTION 5
TWIN TRACKS - AERIAL VIADUCT
STA 2964+80 THROUGH 3000+75
STA 3021+20 THROUGH 3038+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



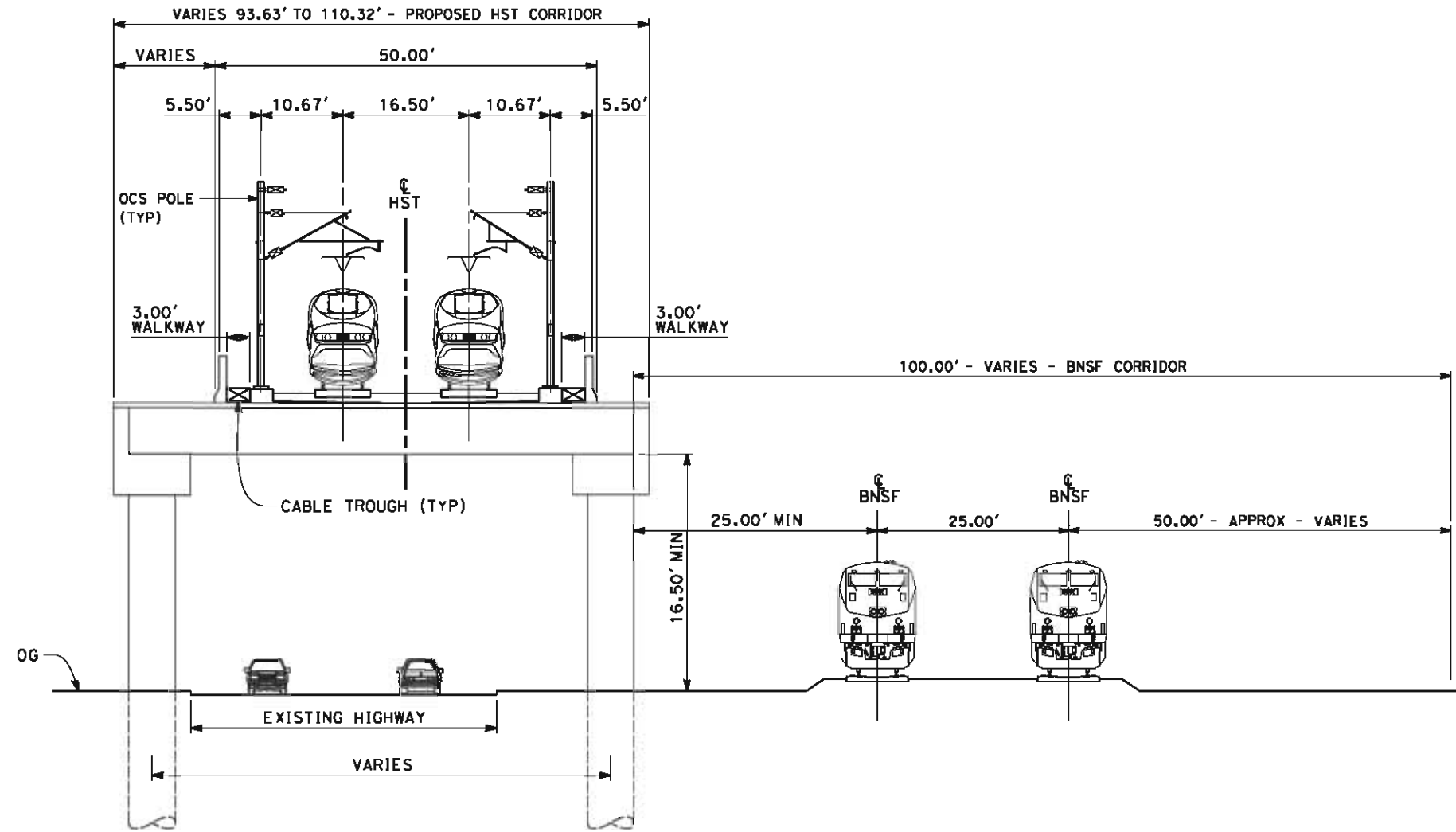
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3257
SCALE
AS SHOWN
SHEET NO.
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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 6

TWIN TRACKS - ELEVATED SLAB OVER HIGHWAY
 STA 3000+75 THROUGH STA 3006+51



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

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

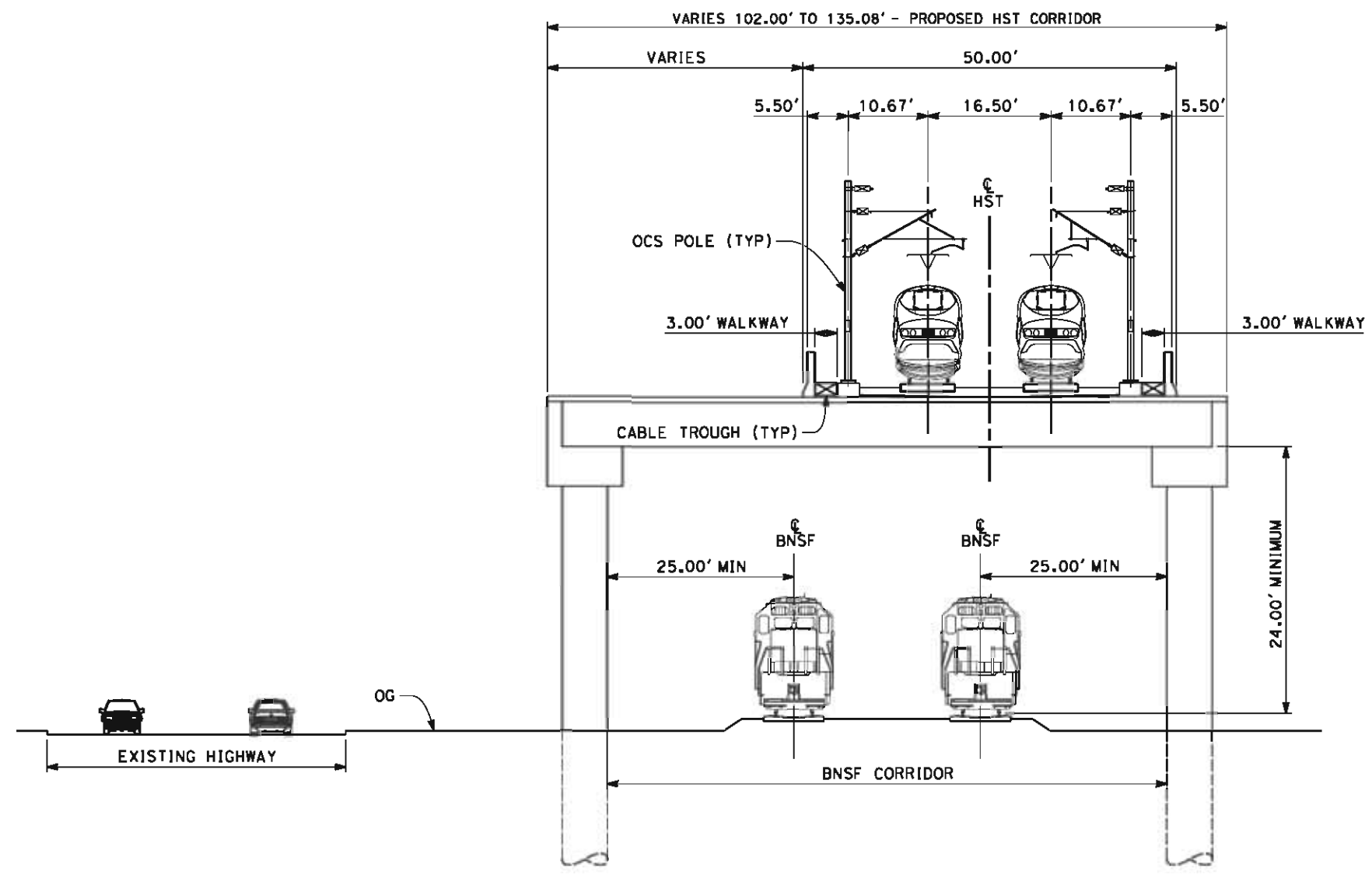


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3258
 SCALE
AS SHOWN
 SHEET NO.
15 OF 18

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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 8

TWIN TRACKS - ELEVATED SLAB OVER BNSF
 STA 3009+33 THROUGH STA 3021+20



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
05/18/12

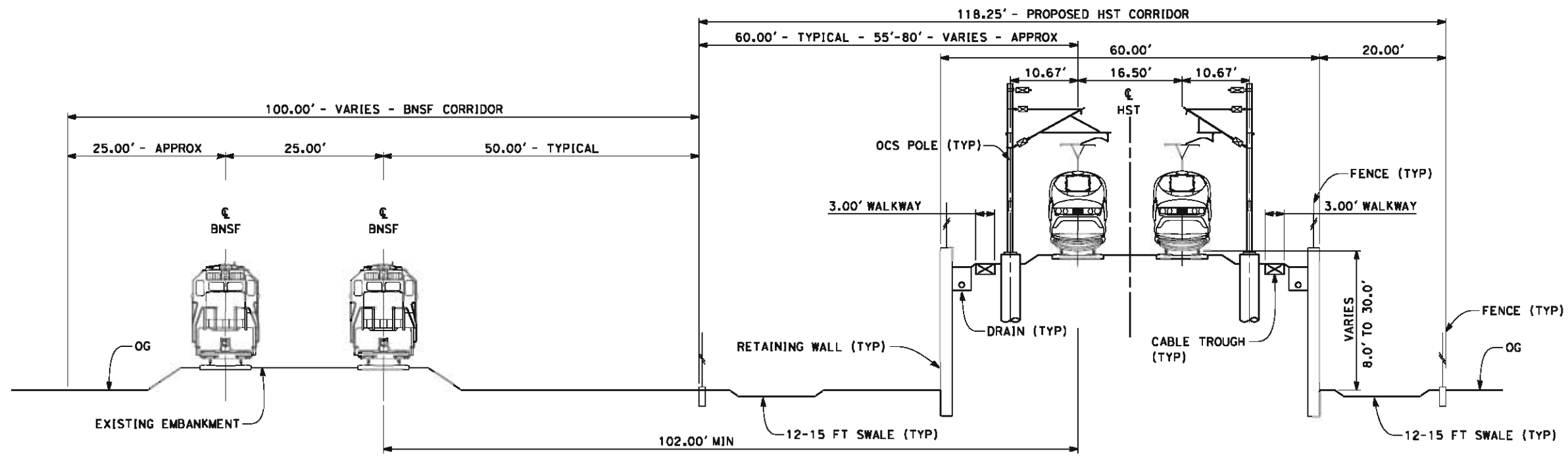
RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB3260
 SCALE
AS SHOWN
 SHEET NO.
17 OF 18

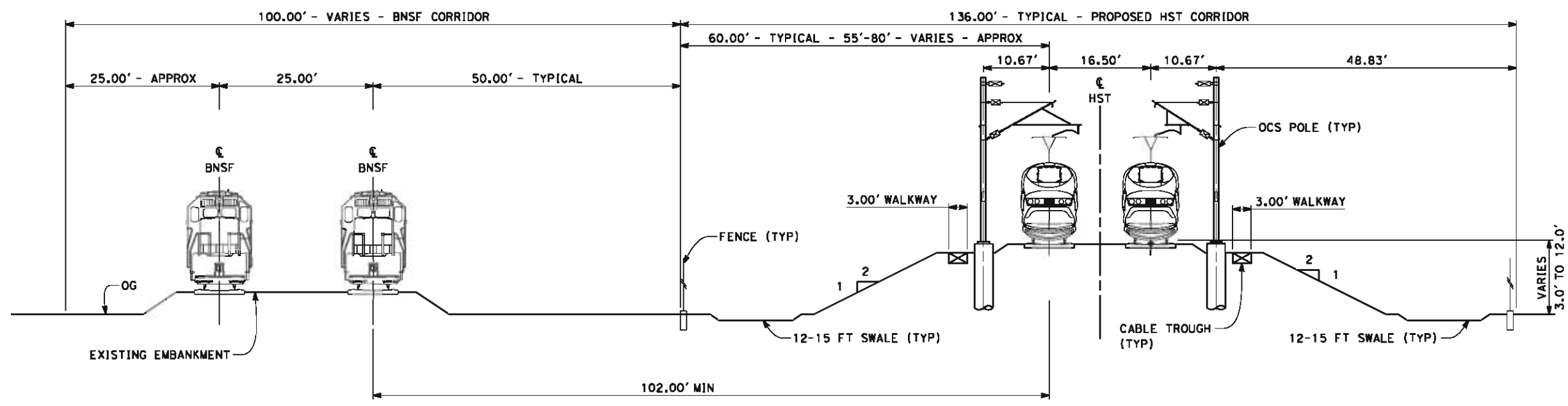
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SECTION 9

TWIN TRACK - ADJACENT TO BNSF - RETAINED EMBANKMENT WITH OPEN DRAINAGE
STA 3038+00 THROUGH STA 3063+00

- 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 10

TWIN TRACK - ADJACENT TO BNSF - EMBANKMENT WITH OPEN DRAINAGE
STA 3063+00 THROUGH STA 3096+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

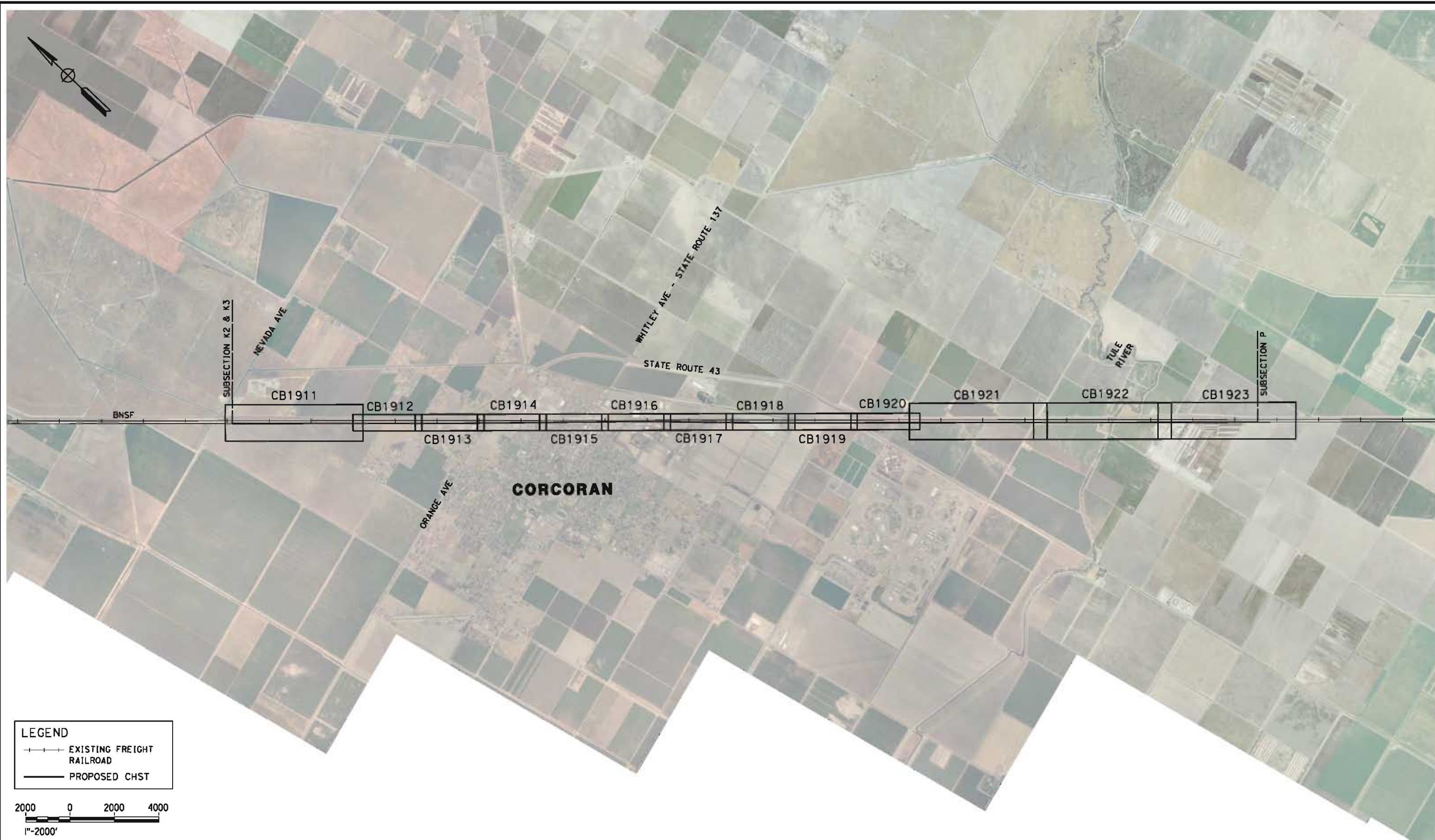
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3261
SCALE
AS SHOWN
SHEET NO.
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LEGEND

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

2000 0 2000 4000
1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2634+47 TO 3096+00
KEY MAP

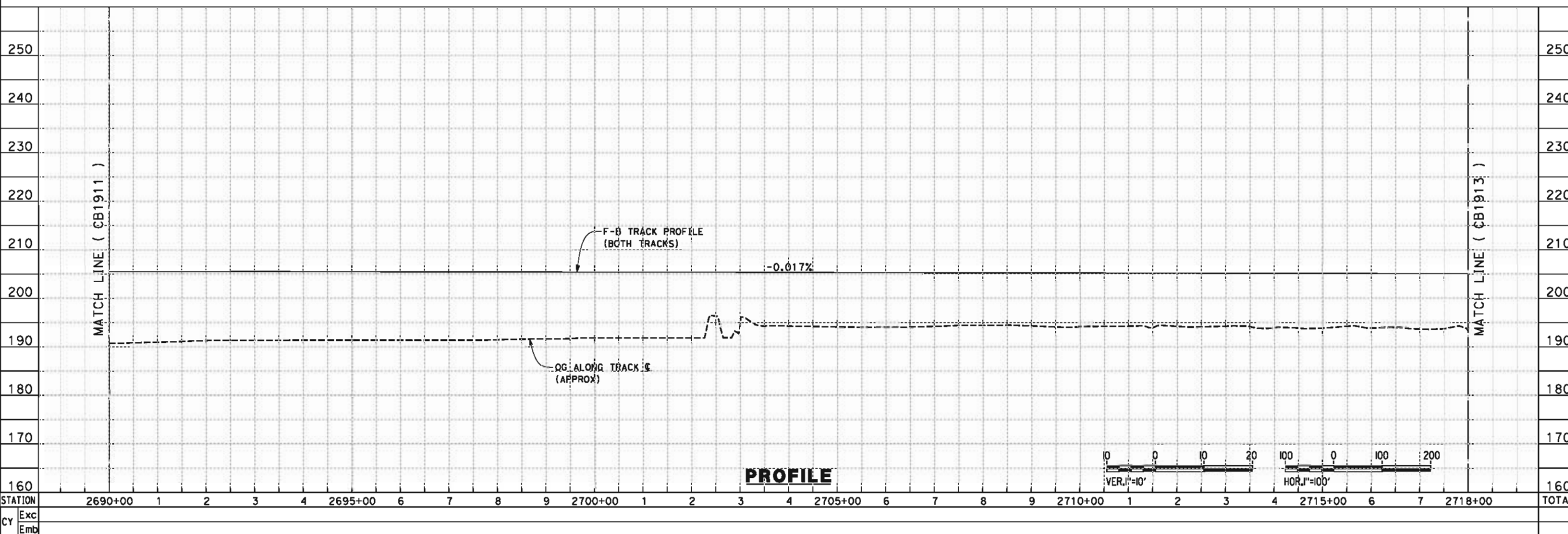
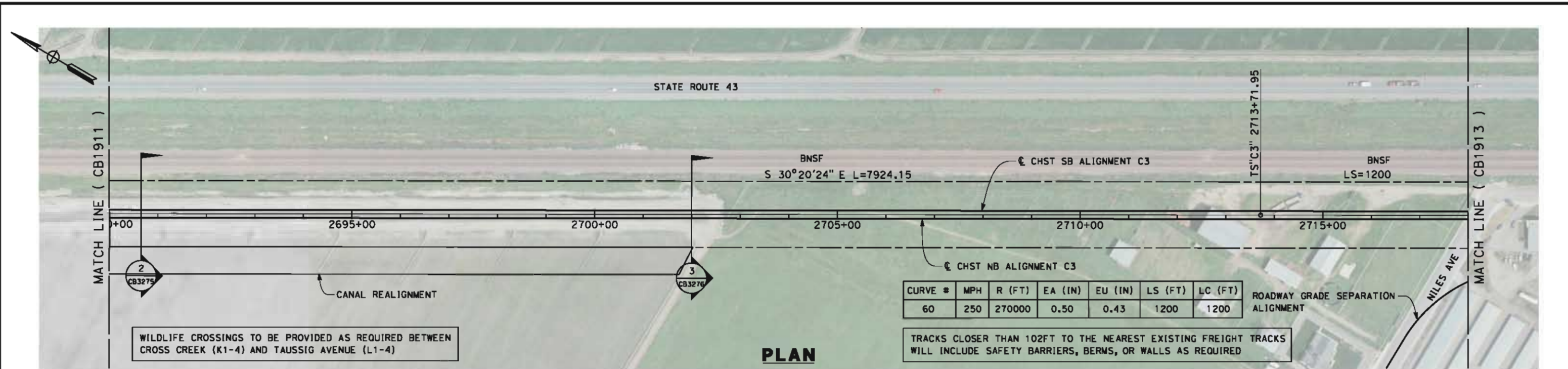
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1900

SCALE
AS SHOWN

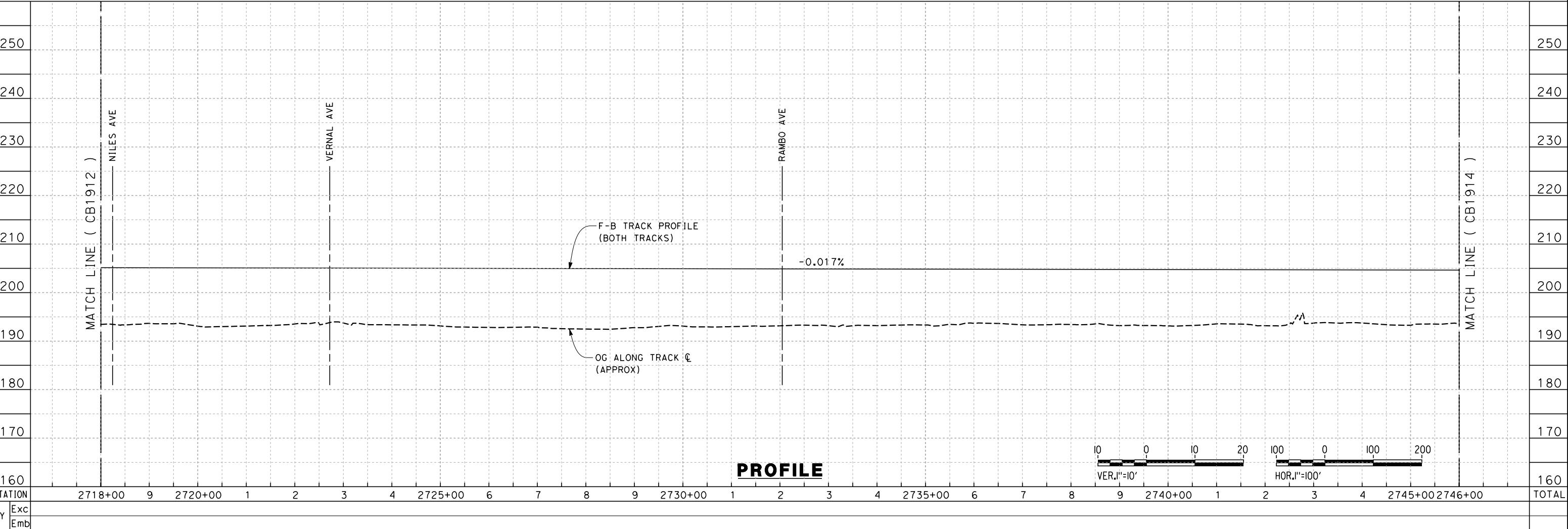
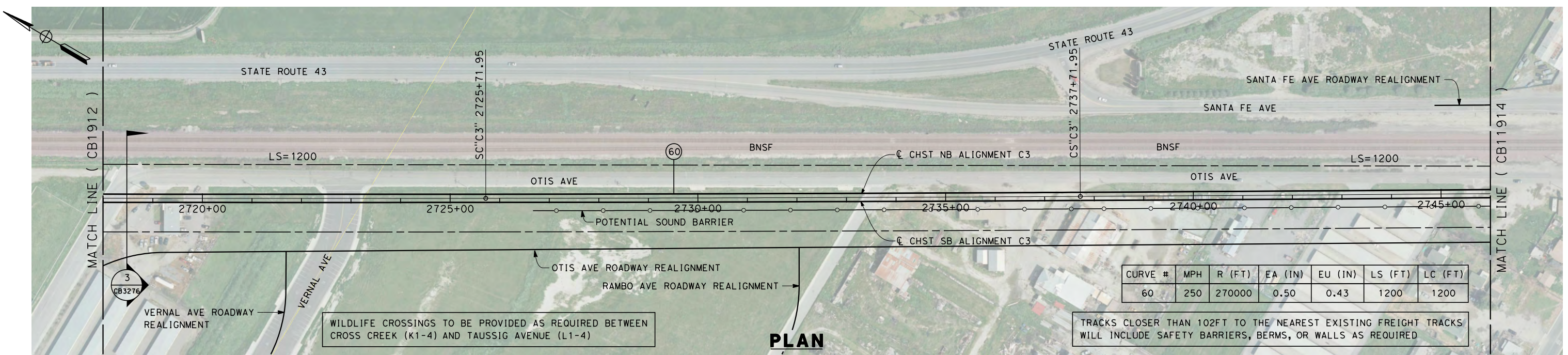
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	DESIGNED BY G. WALKER DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE R. COFFIN DATE 05/18/12	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C3 STA. 2690+00 TO 2718+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003 DRAWING NO. CB1912 SCALE AS SHOWN SHEET NO. 3 OF 18												
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DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

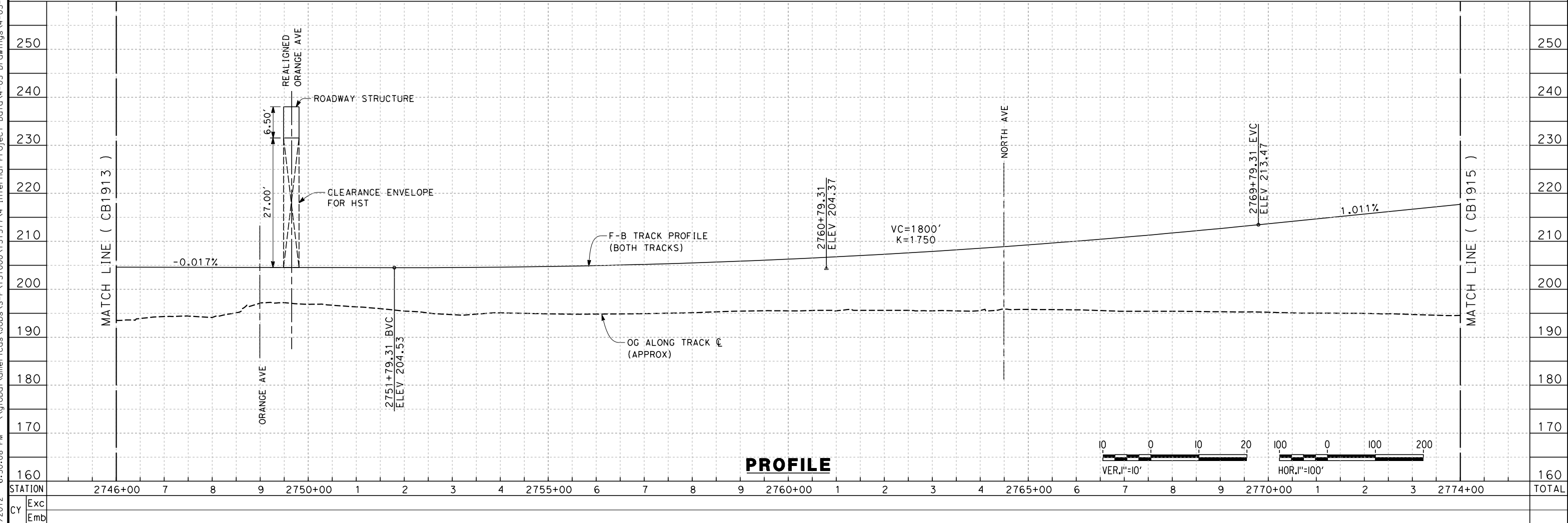
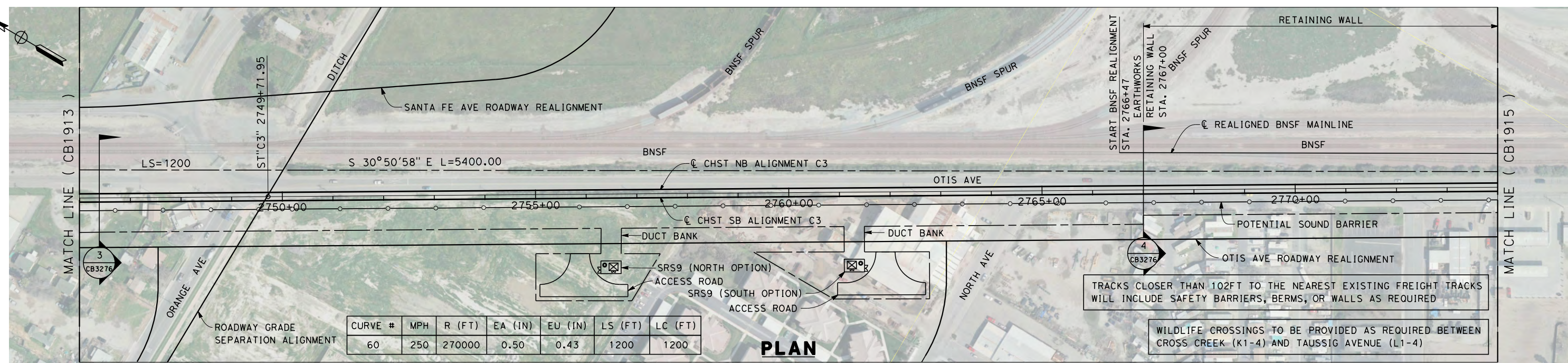
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C3
 STA. 2718+00 TO 2746+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1913
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AS SHOWN
 SHEET NO.
4 OF 18

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

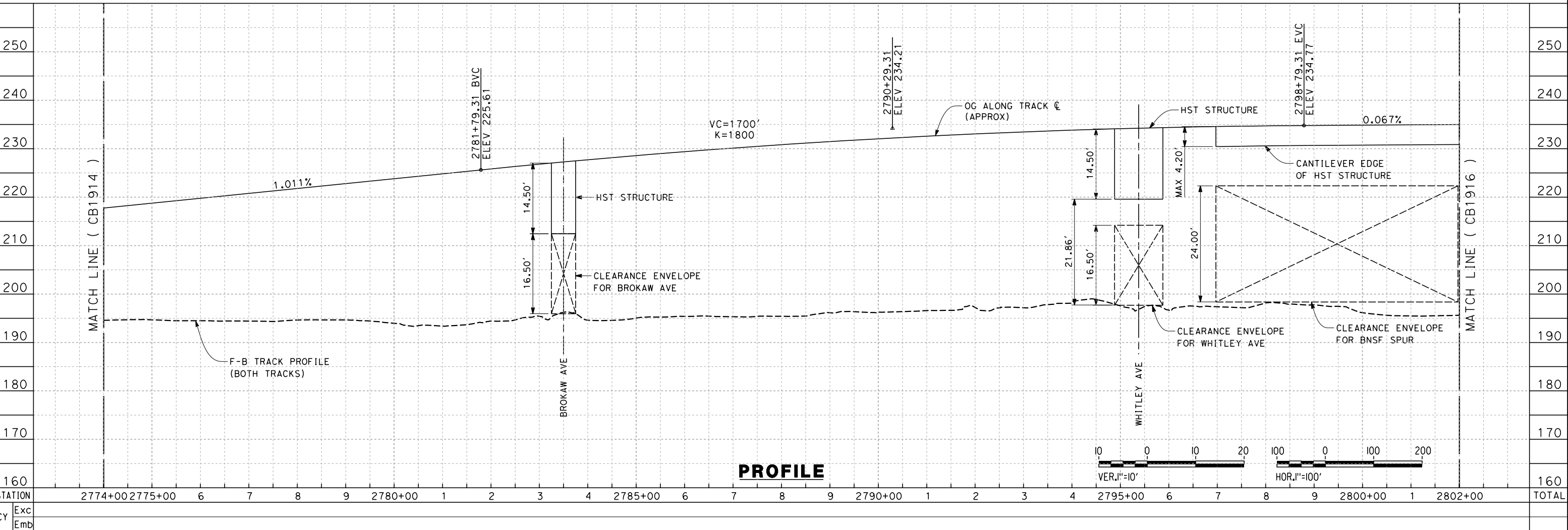
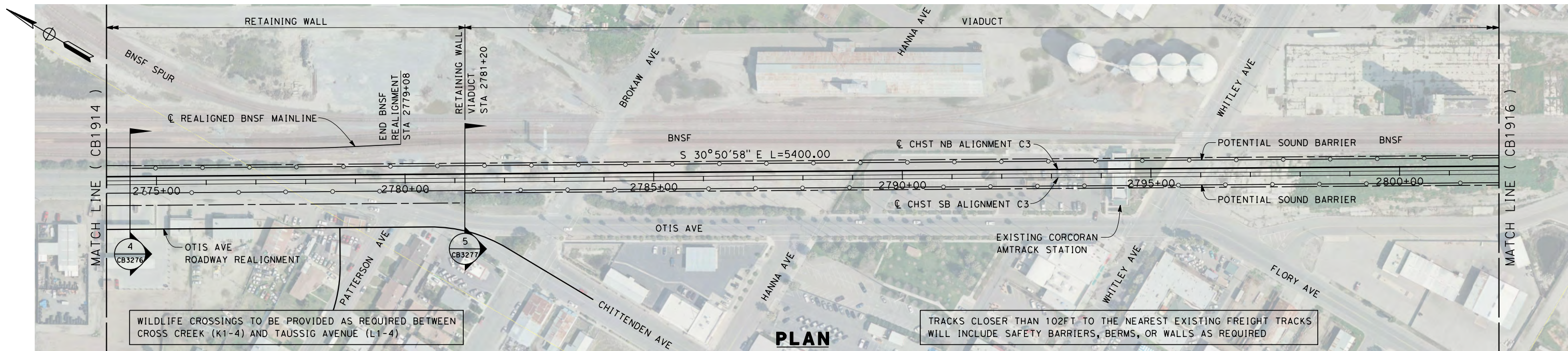
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C3
 STA. 2746+00 TO 2774+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1914
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AS SHOWN
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eron_sudhausen 6/7/2012 6:53:51 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Rail\CB1915-CB-1915-C3.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

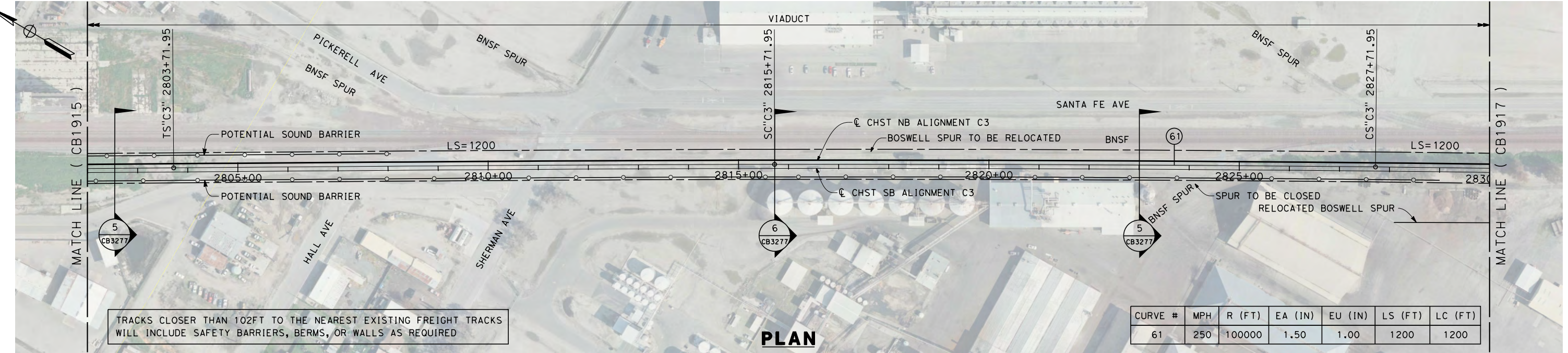
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C3
 STA. 2774+00 TO 2802+00
 PLAN AND PROFILE

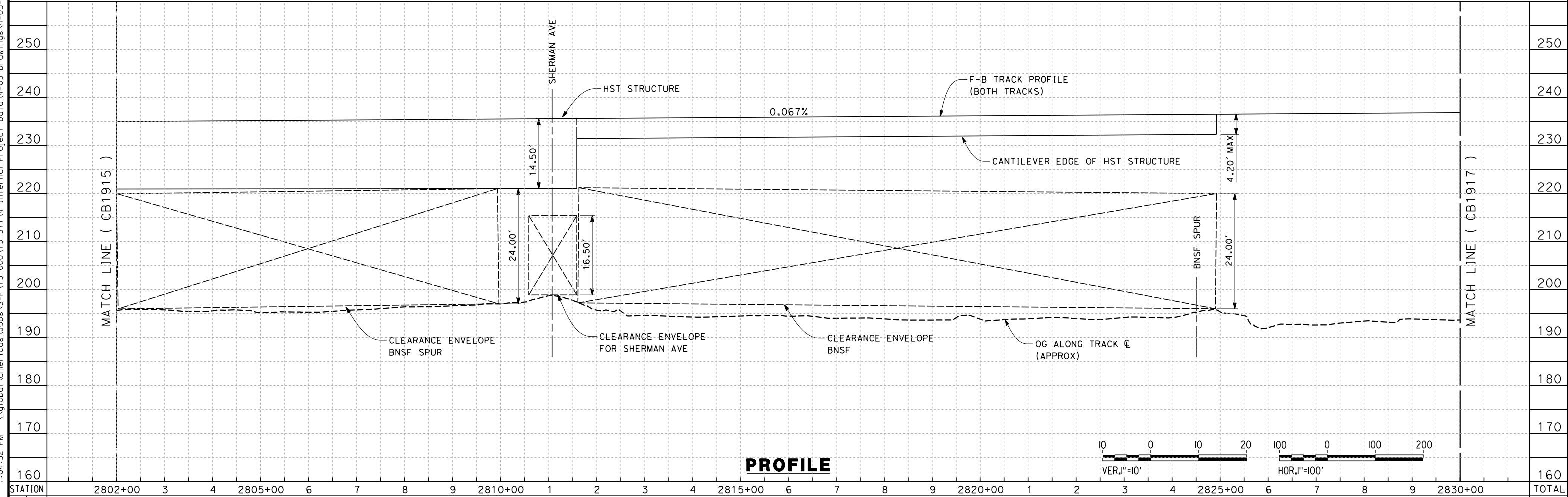
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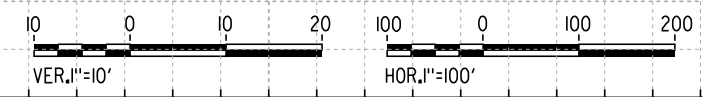


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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PLAN



PROFILE



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CY																														
	Exc																													
	Emb																													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
 DRAWN BY
J. REILLY
 CHECKED BY
D. HUNT
 IN CHARGE
R. COFFIN
 DATE
06/08/12

**RECORD SET 15%
DESIGN SUBMISSION**

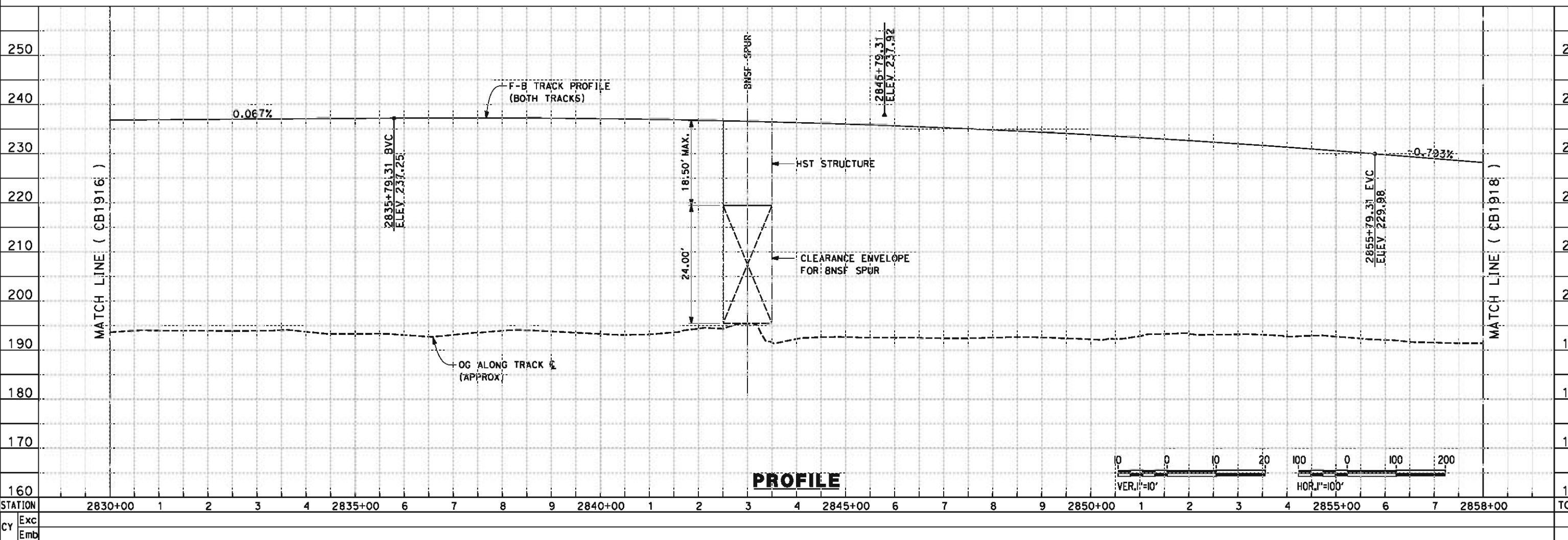
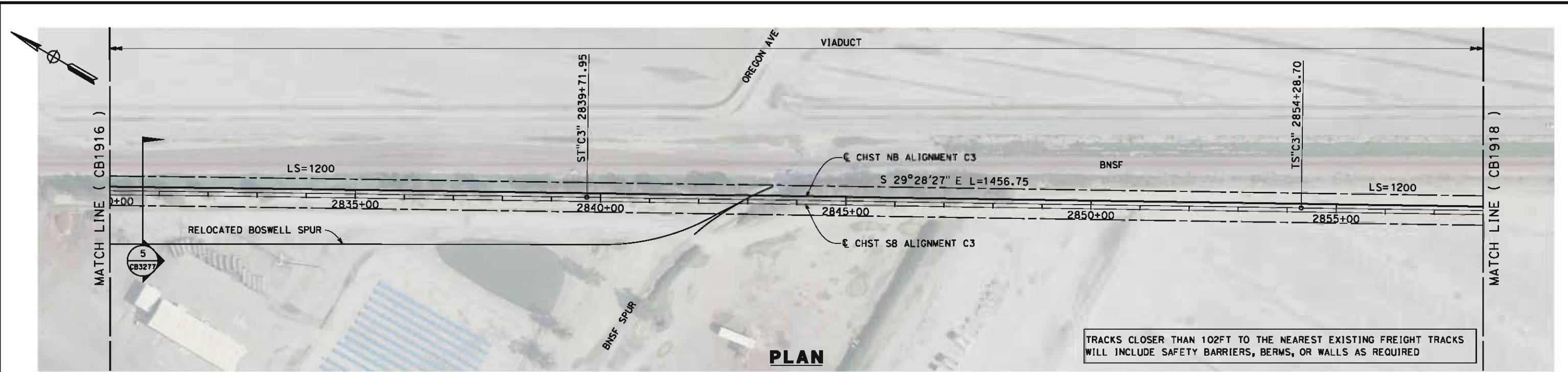
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
 CORCORAN SUBSECTION
 ALIGNMENT C3
 STA. 2802+00 TO 2830+00
 PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
CB1916
 SCALE
AS SHOWN
 SHEET NO.
7 OF 18

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

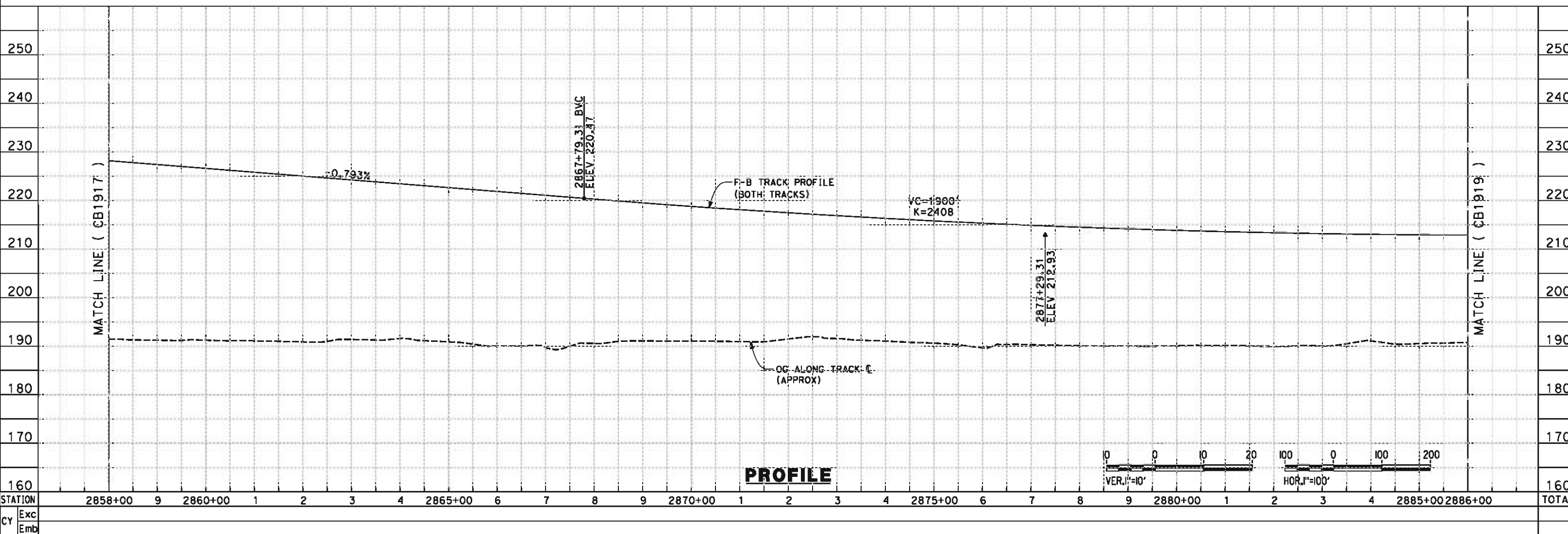
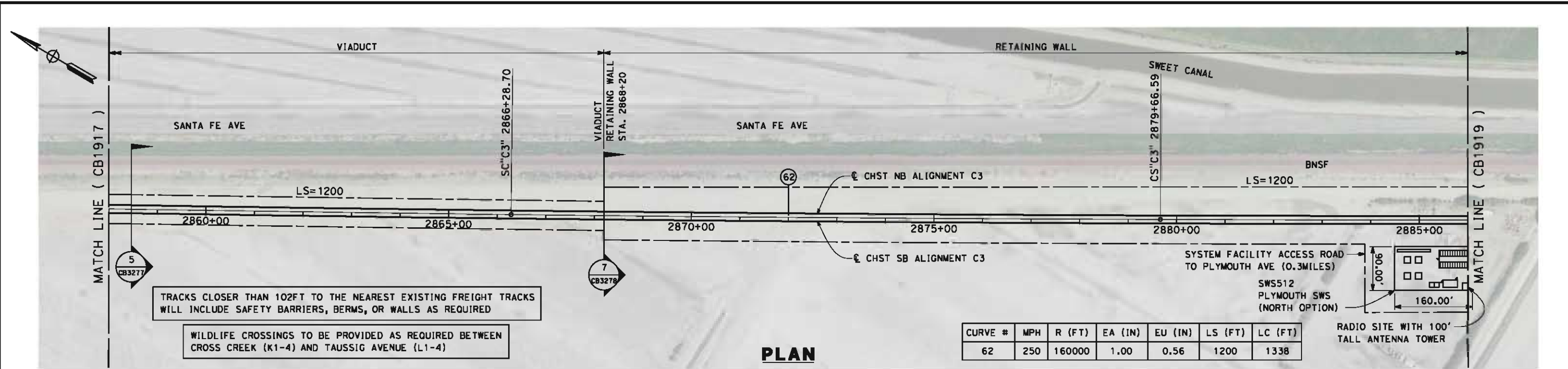
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2830+00 TO 2858+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1917
SCALE
AS SHOWN
SHEET NO.
8 OF 18

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2858+00 TO 2886+00
PLAN AND PROFILE

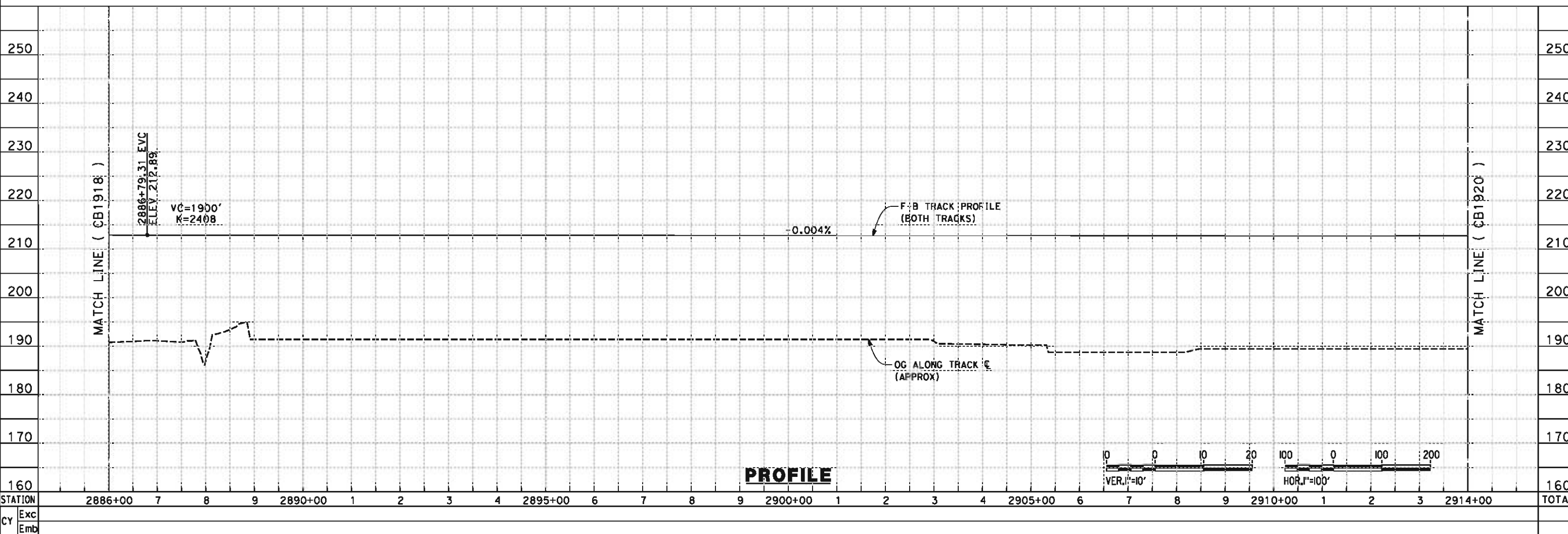
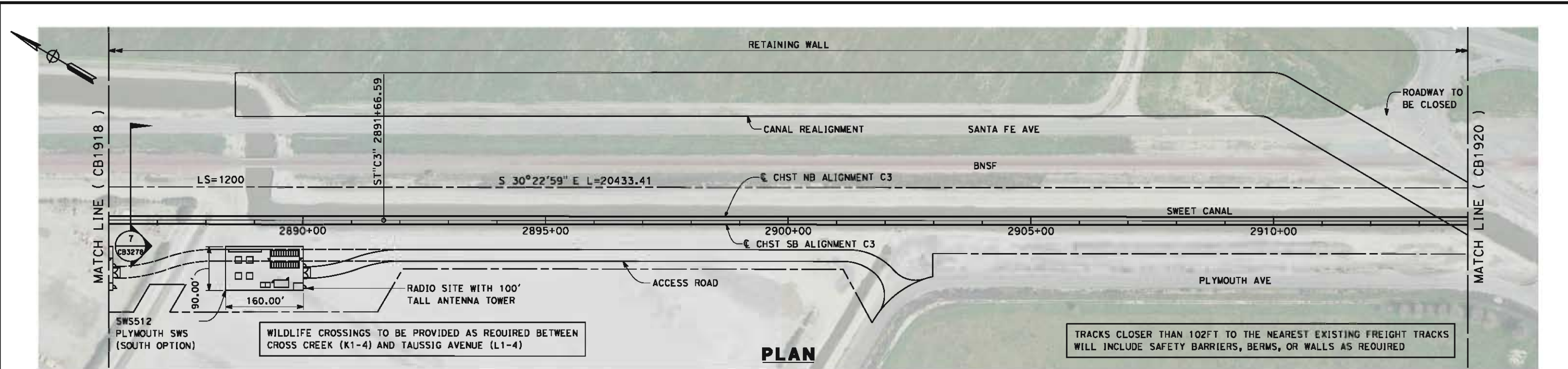
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HSR 06-0003

DRAWING NO.
CB1918

SCALE
AS SHOWN

SHEET NO.
9 OF 18

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DESIGNED BY G. WALKER	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION
DRAWN BY J. REILLY	
CHECKED BY D. HUNT	
IN CHARGE R. COFFIN	
DATE 05/18/12	

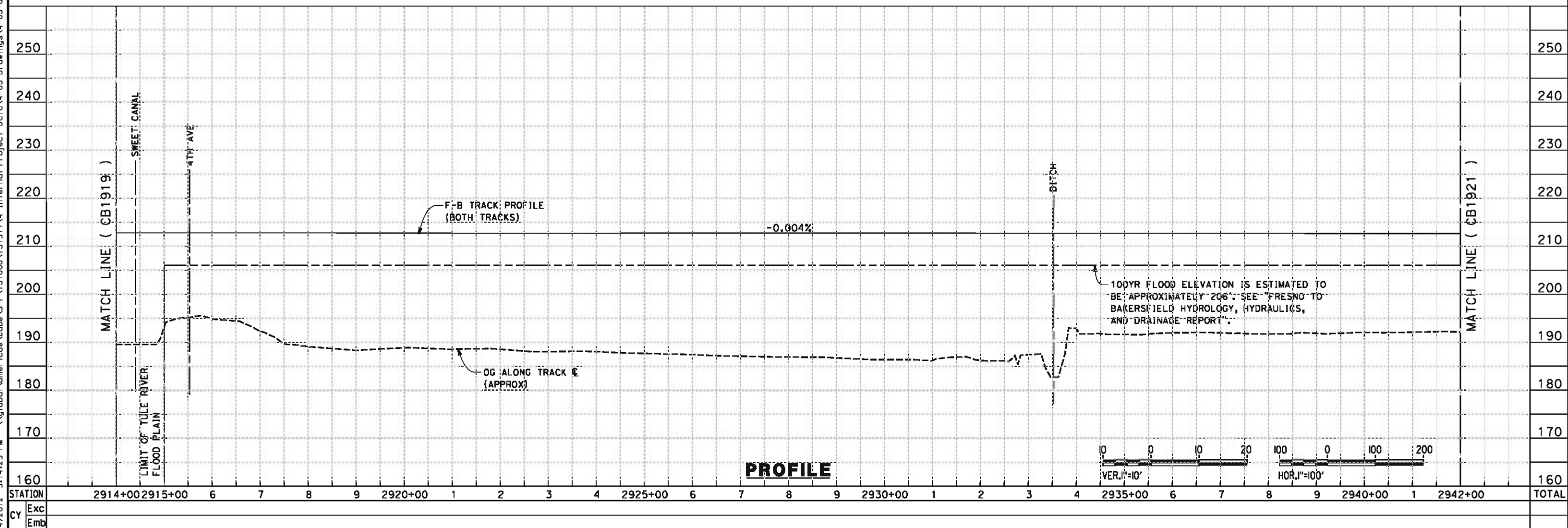
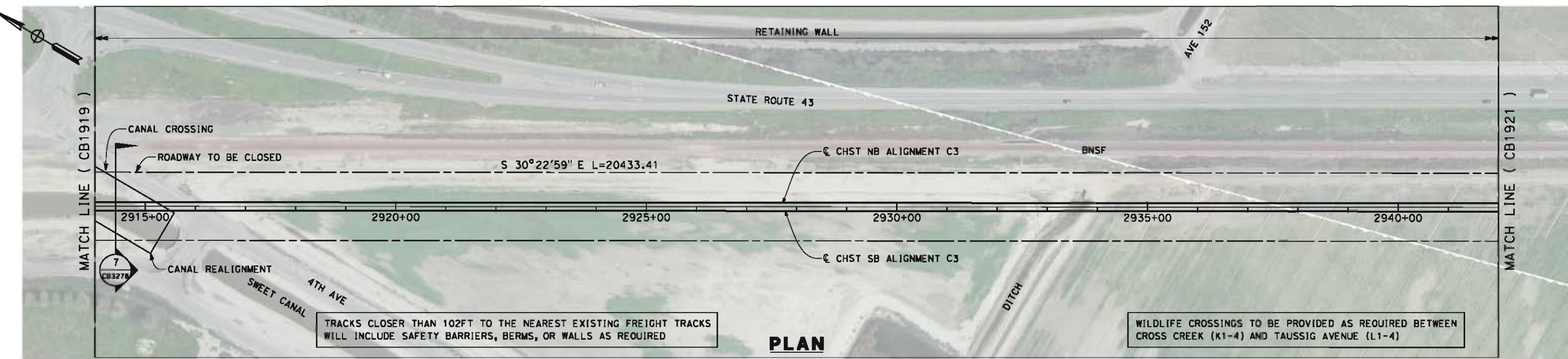
URS | HMM | ARUP

**CALIFORNIA
HIGH-SPEED RAIL AUTHORITY**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2886+00 TO 2914+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1919
SCALE AS SHOWN
SHEET NO. 10 OF 18

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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

CORCORAN SUBSECTION

ALIGNMENT C3

STA. 2914+00 TO 2942+00

PLAN AND PROFILE

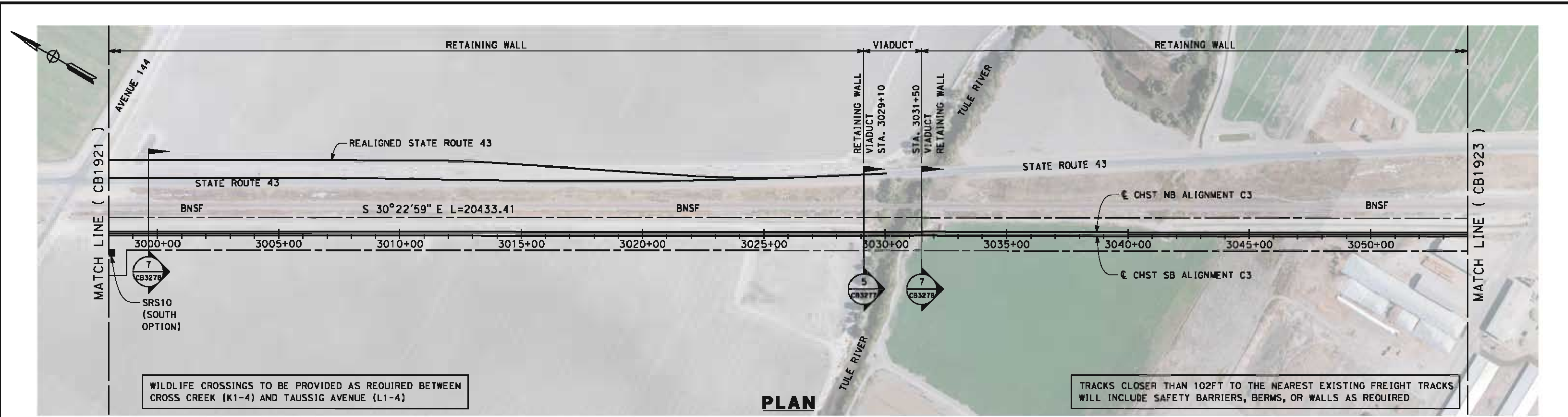
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HSR 06-0003

DRAWING NO.
CB1920

SCALE
AS SHOWN

SHEET NO.
11 OF 18

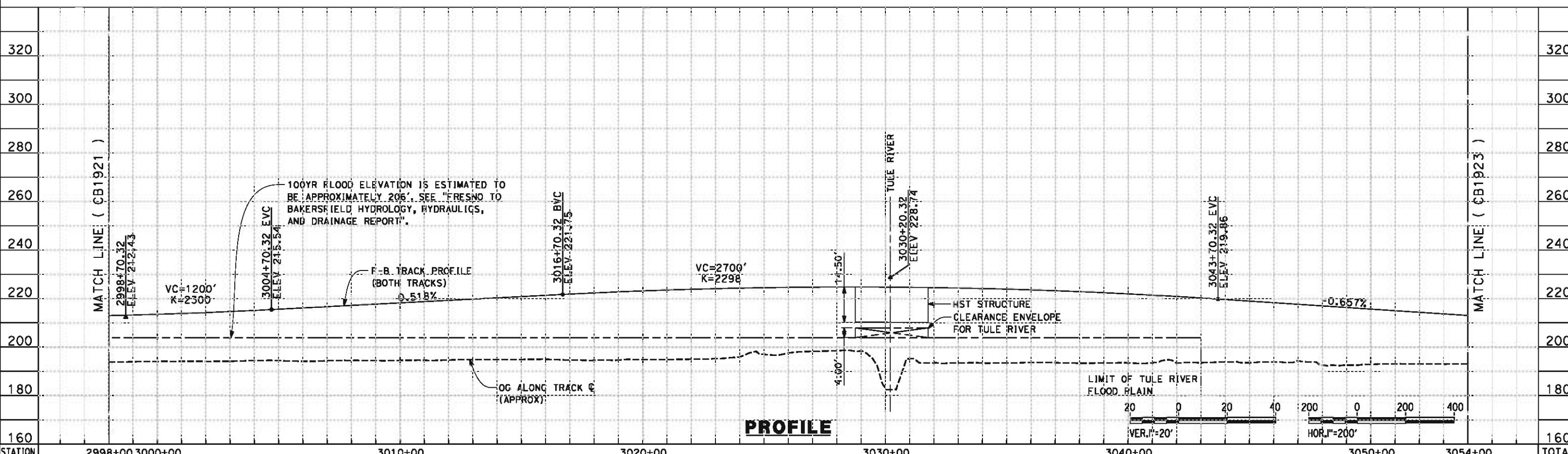
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WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN CROSS CREEK (K1-4) AND TAUSSIG AVENUE (L1-4)

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

PLAN



PROFILE

STATION	2998+00	3000+00	3010+00	3020+00	3030+00	3040+00	3050+00	3054+00	TOTAL
Exc									
Emb									

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

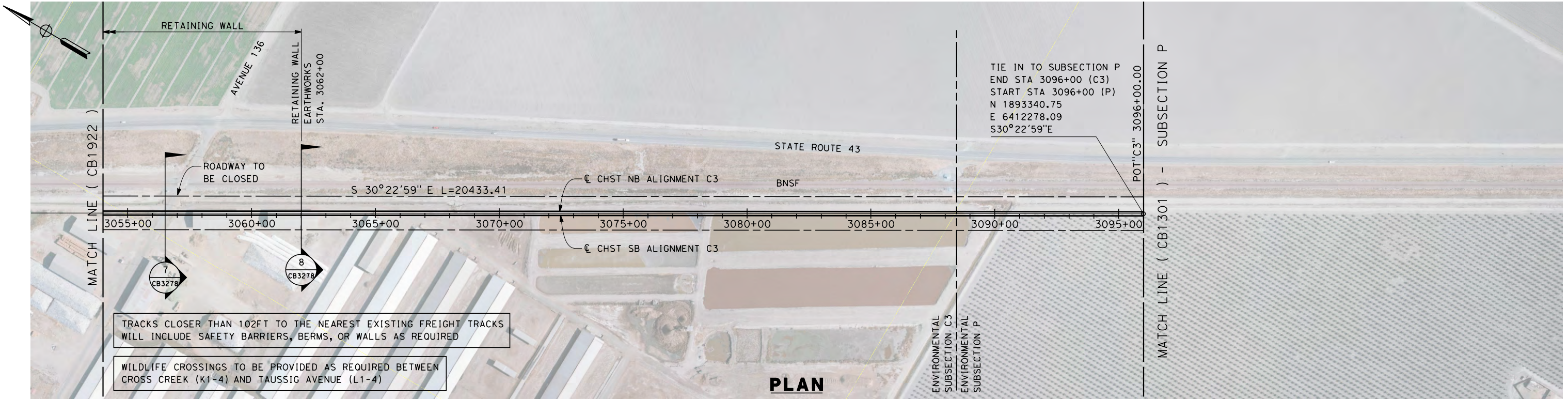
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2998+00 TO 3054+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1922
SCALE
AS SHOWN
SHEET NO.
13 OF 18

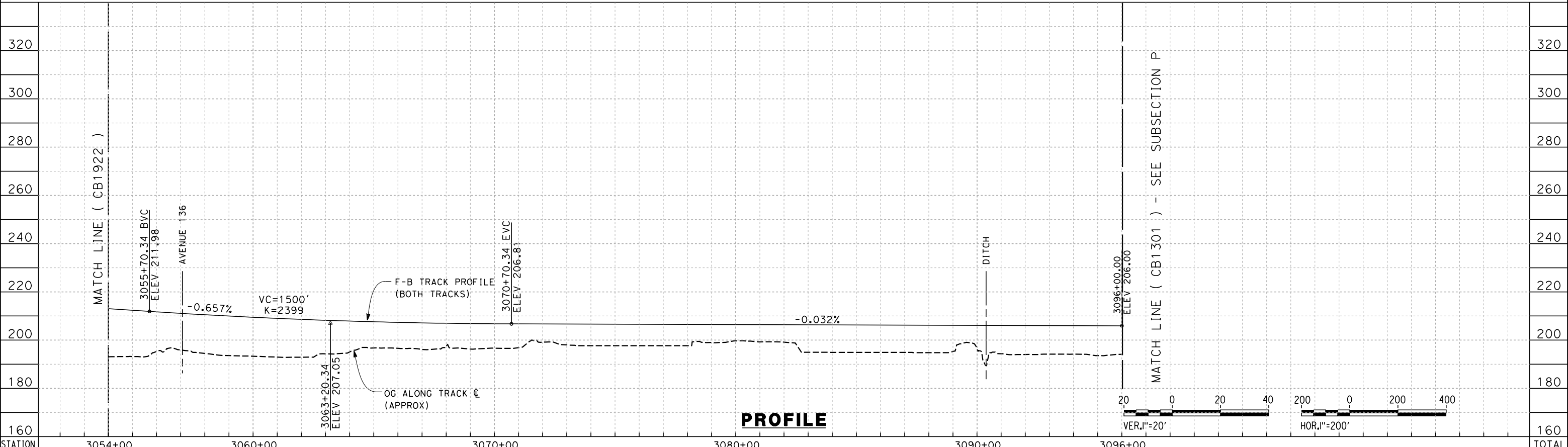
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TRACKS CLOSER THAN 102FT TO THE NEAREST EXISTING FREIGHT TRACKS WILL INCLUDE SAFETY BARRIERS, BERMS, OR WALLS AS REQUIRED

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

PLAN



PROFILE

STATION	3054+00	3060+00	3070+00	3080+00	3090+00	3096+00	TOTAL
Exc							
Emb							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
05/18/12

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

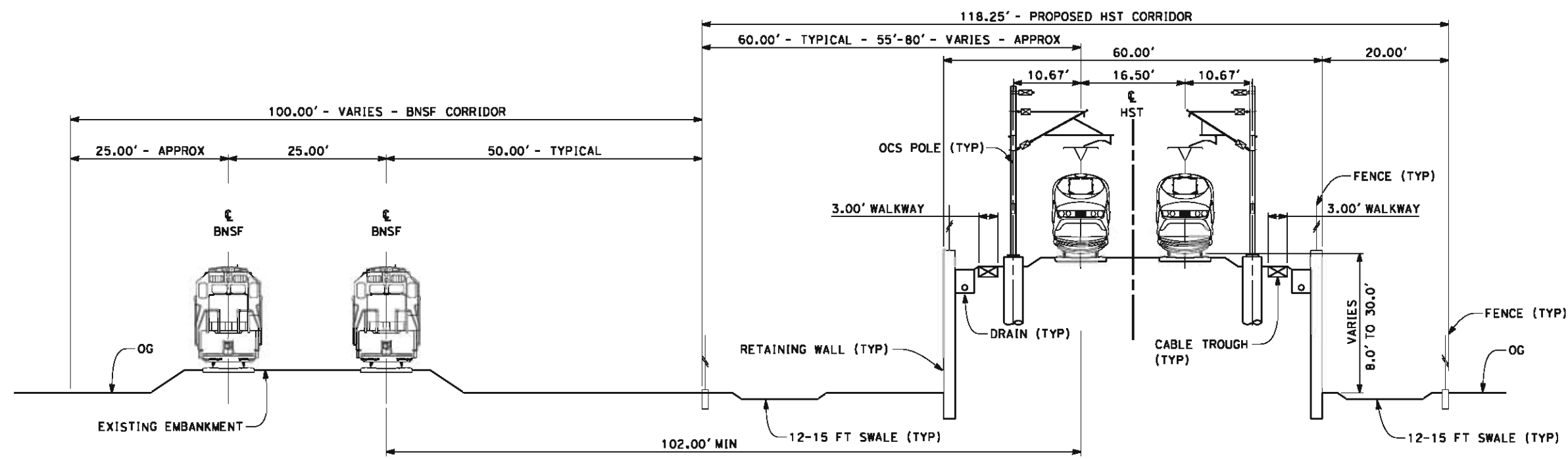


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 3054+00 TO 3096+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1923
SCALE
AS SHOWN
SHEET NO.
14 OF 18

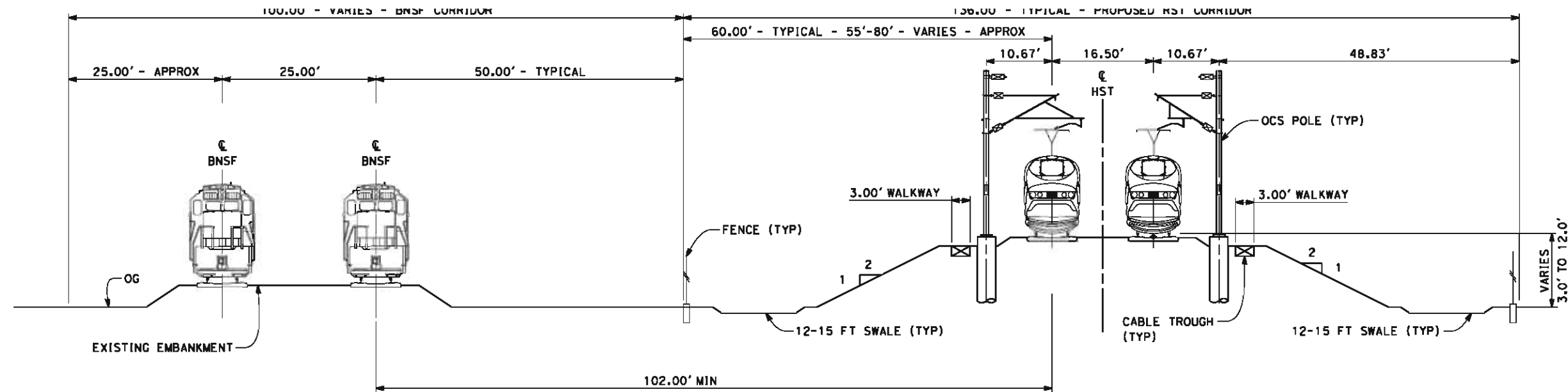
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- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE
 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 7

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT WITH OPEN DRAINAGE
 STA 2868+20 THROUGH 3029+10
 STA 3031+50 THROUGH 3062+00



SECTION 8

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT WITH OPEN DRAINAGE
 STA 3062+00 THROUGH 3096+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. WALKER

DRAWN BY
J. REILLY

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**

CORCORAN SUBSECTION
 ALIGNMENT C3
 CROSS SECTIONS

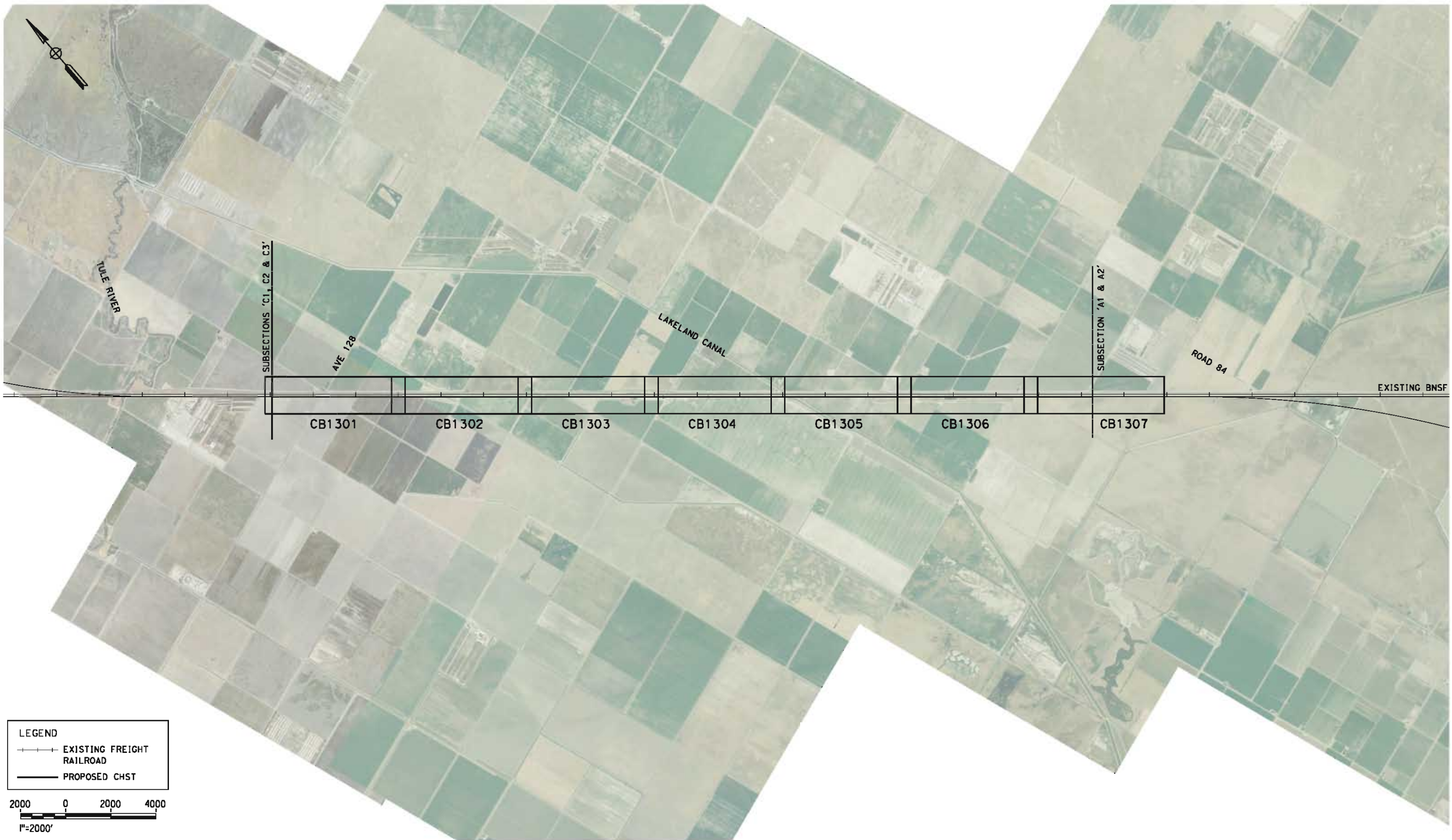
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HSR 06-0003

DRAWING NO.
CB3278

SCALE
AS SHOWN

SHEET NO.
18 OF 18

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LEGEND

---+---+ EXISTING FREIGHT RAILROAD

———— PROPOSED CHST

2000 0 2000 4000

1"=2000'

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**

PIXLEY SUBSECTION
ALIGNMENT P
STA. 3096+00 TO 3459+24
KEY MAP

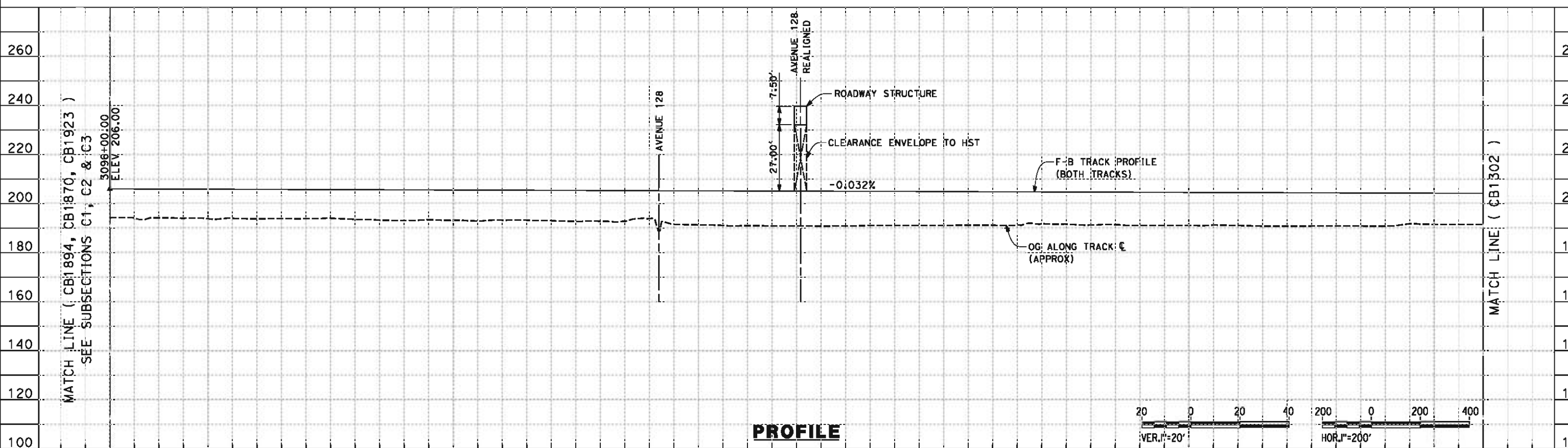
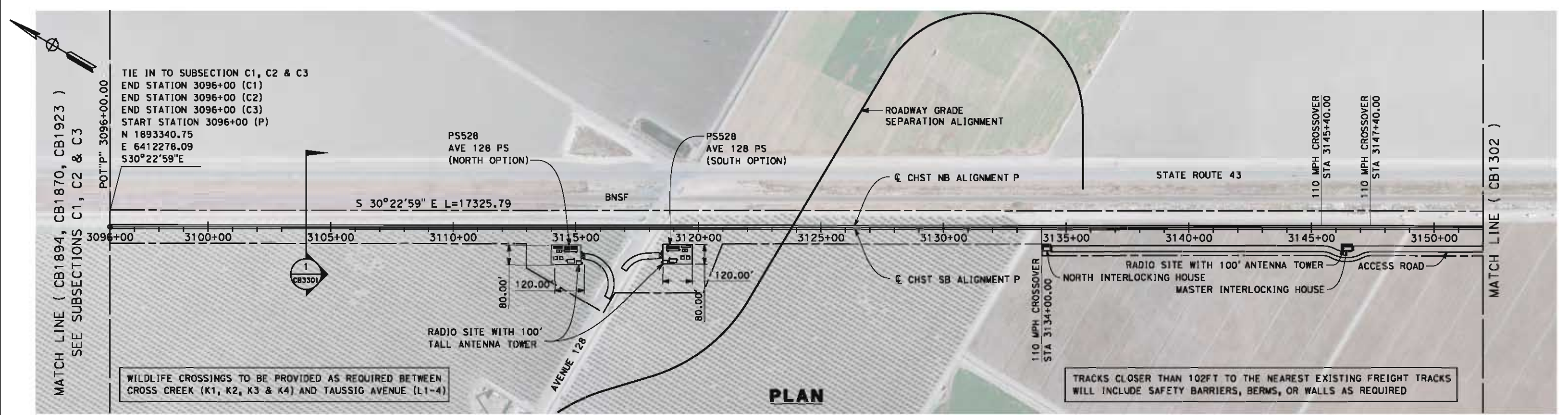
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1300

SCALE
AS SHOWN

SHEET NO.
1 OF 9

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STATION	3096+00	3100+00	3110+00	3120+00	3130+00	3140+00	3150+00	3152+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**

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

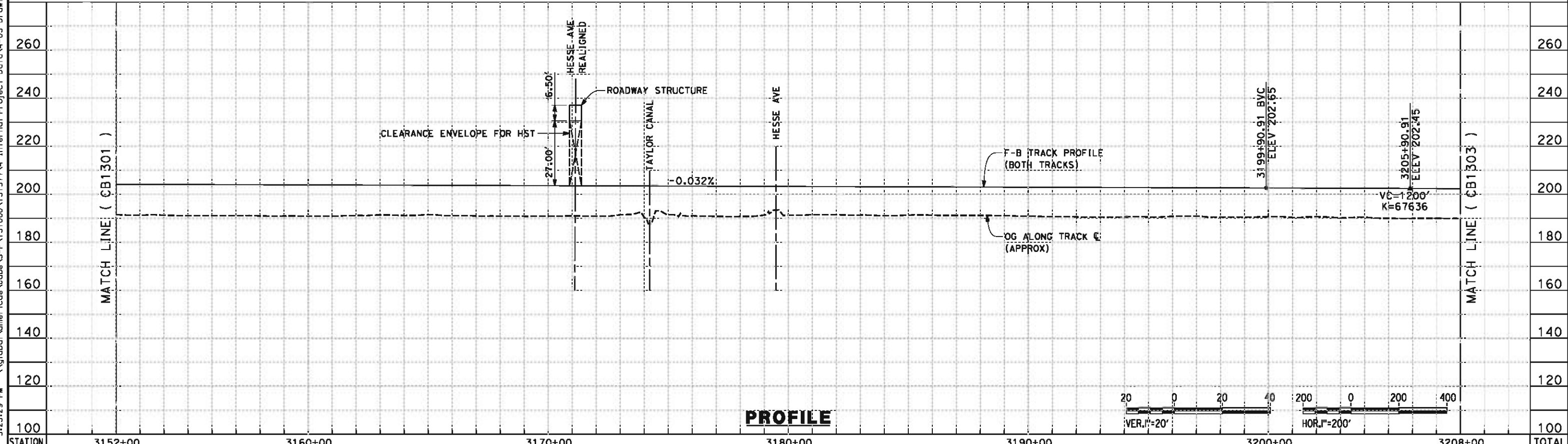
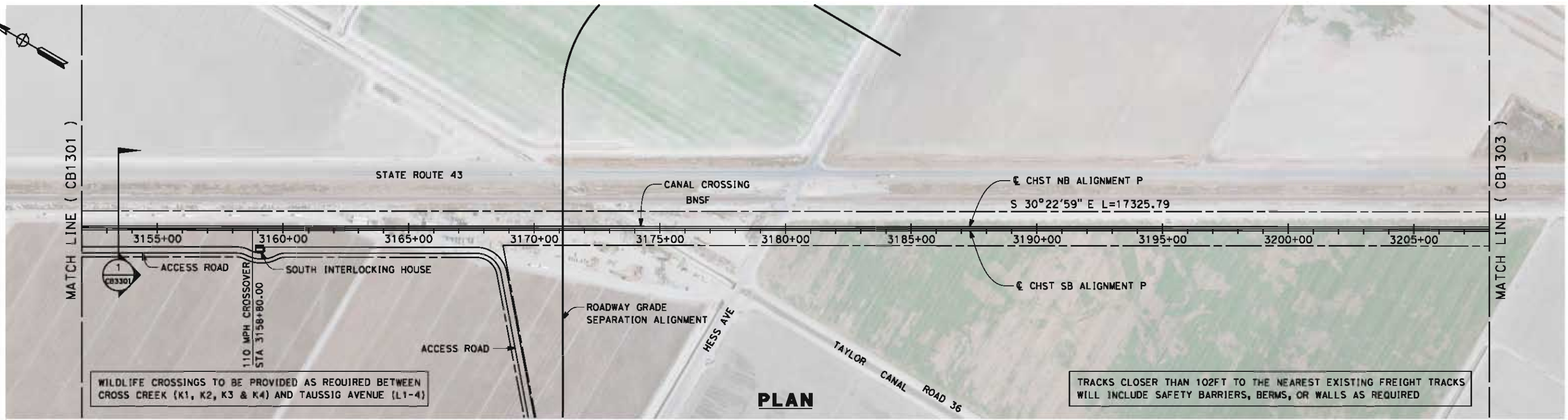
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1301

SCALE
AS SHOWN

SHEET NO.
2 OF 9

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STATION	3152+00	3160+00	3170+00	3180+00	3190+00	3200+00	3208+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**

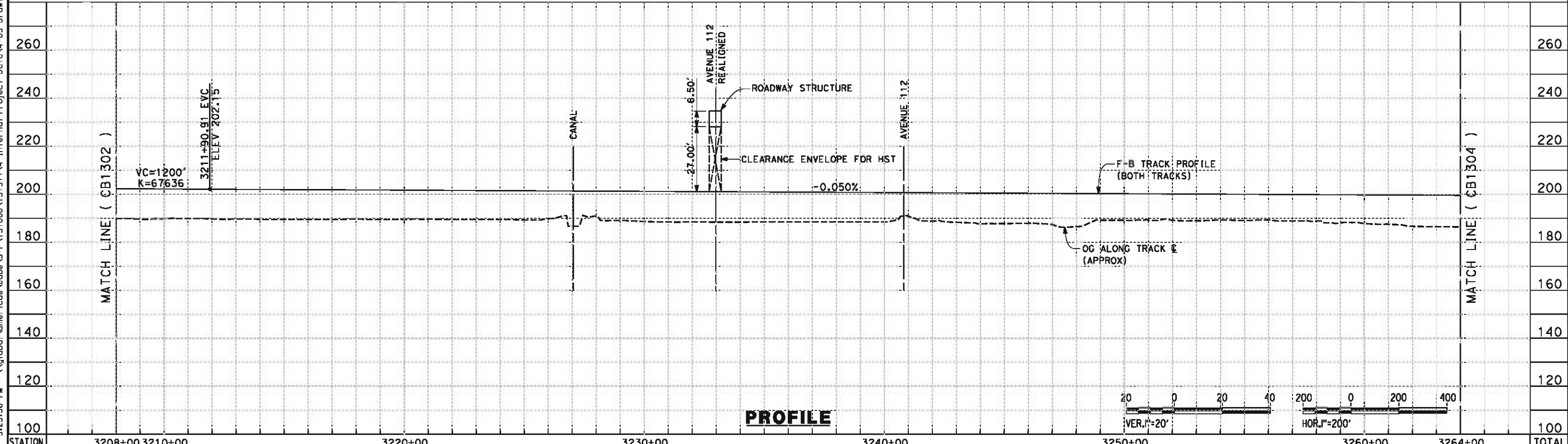
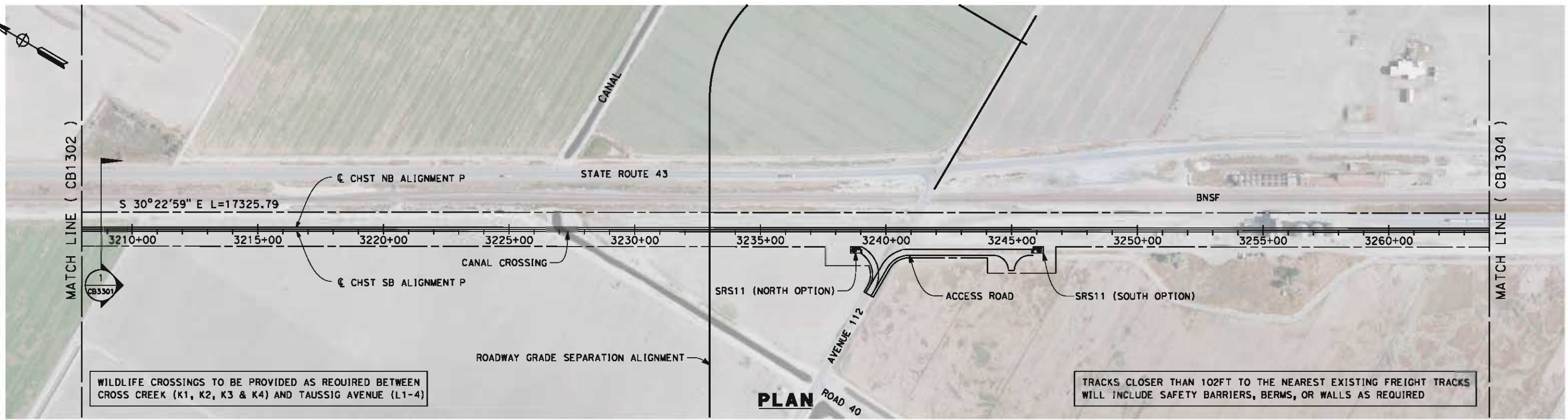


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

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

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STATION	3208+00	3210+00	3220+00	3230+00	3240+00	3250+00	3260+00	3264+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

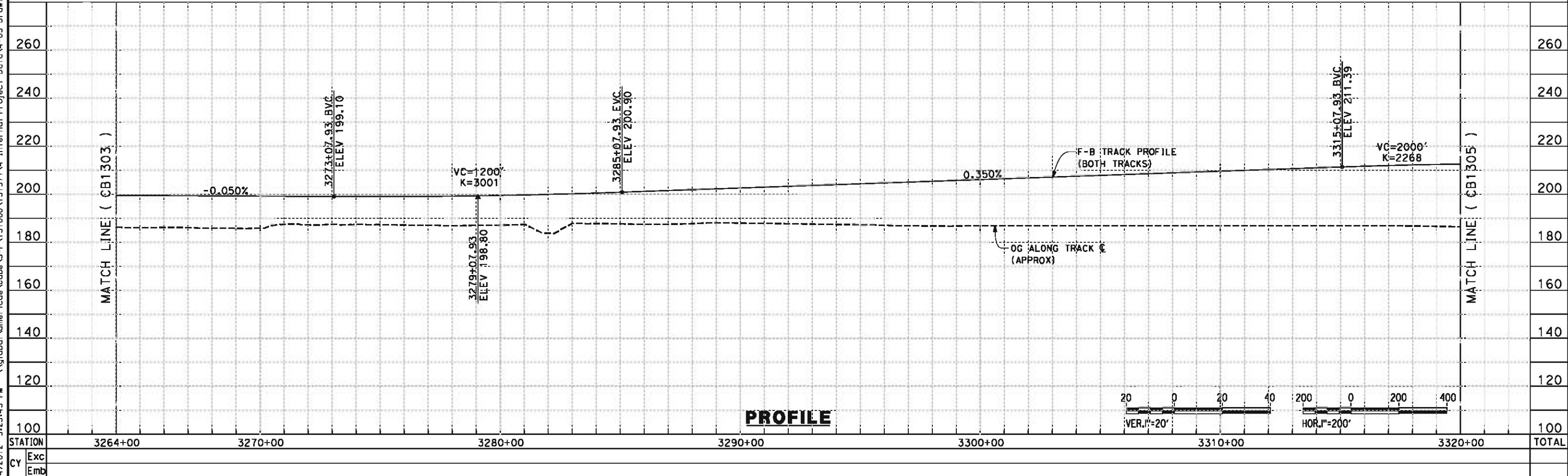
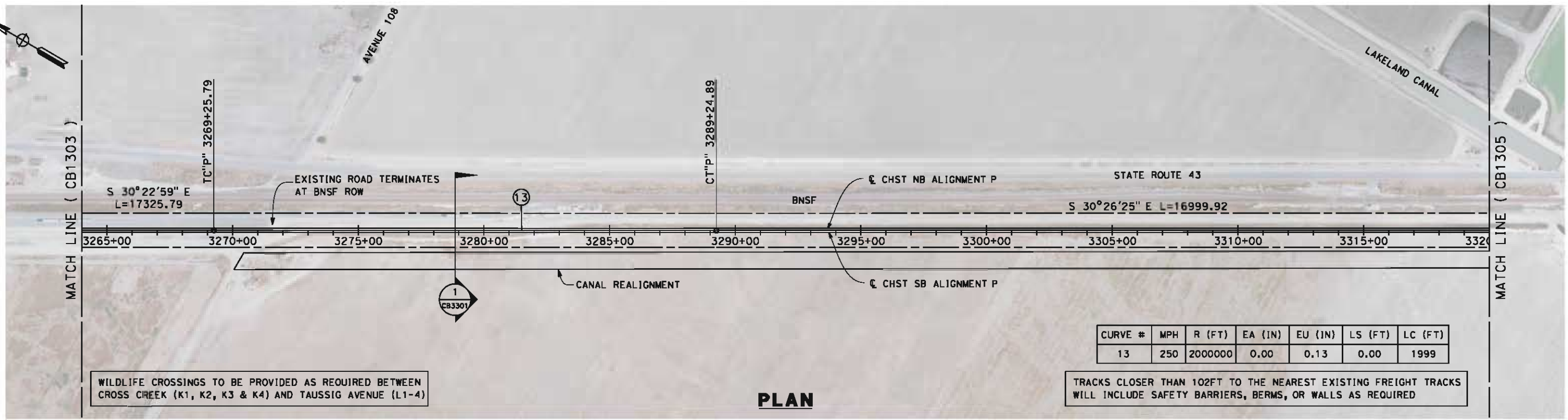
NOT FOR
CONSTRUCTION



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

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

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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**

PIXLEY SUBSECTION
ALIGNMENT P
STA. 3264+00 TO 3320+00
PLAN AND PROFILE

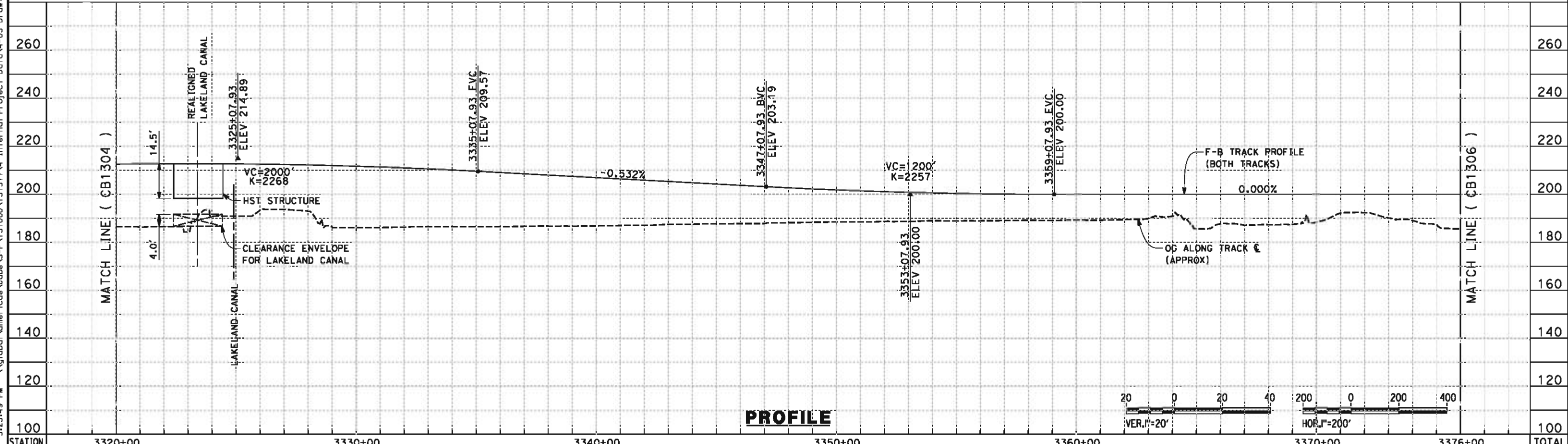
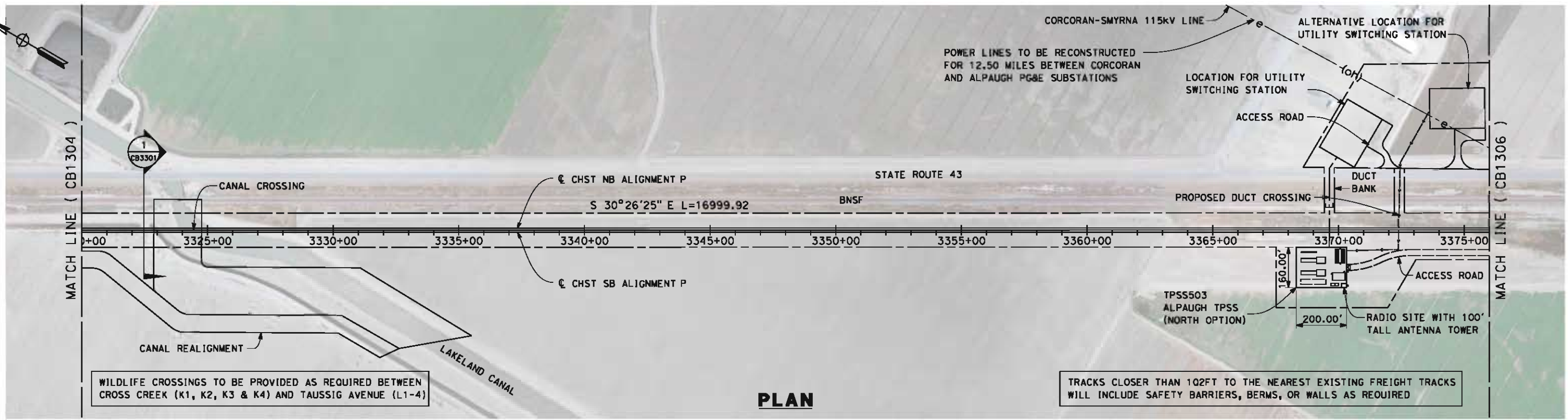
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HSR 06-0003

DRAWING NO.
CB1304

SCALE
AS SHOWN

SHEET NO.
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STATION	3320+00	3330+00	3340+00	3350+00	3360+00	3370+00	3376+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**

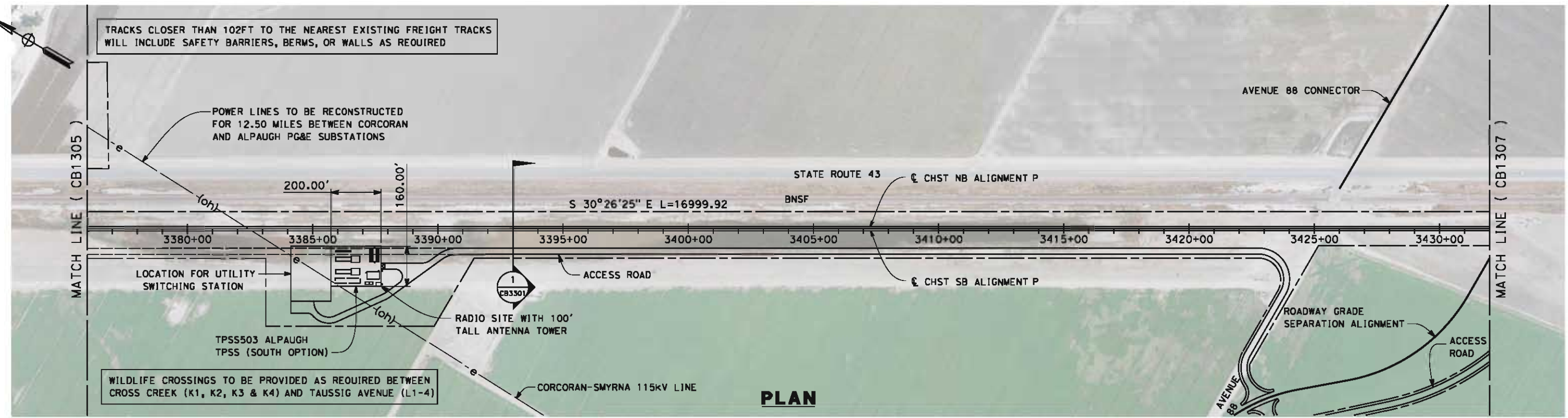


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

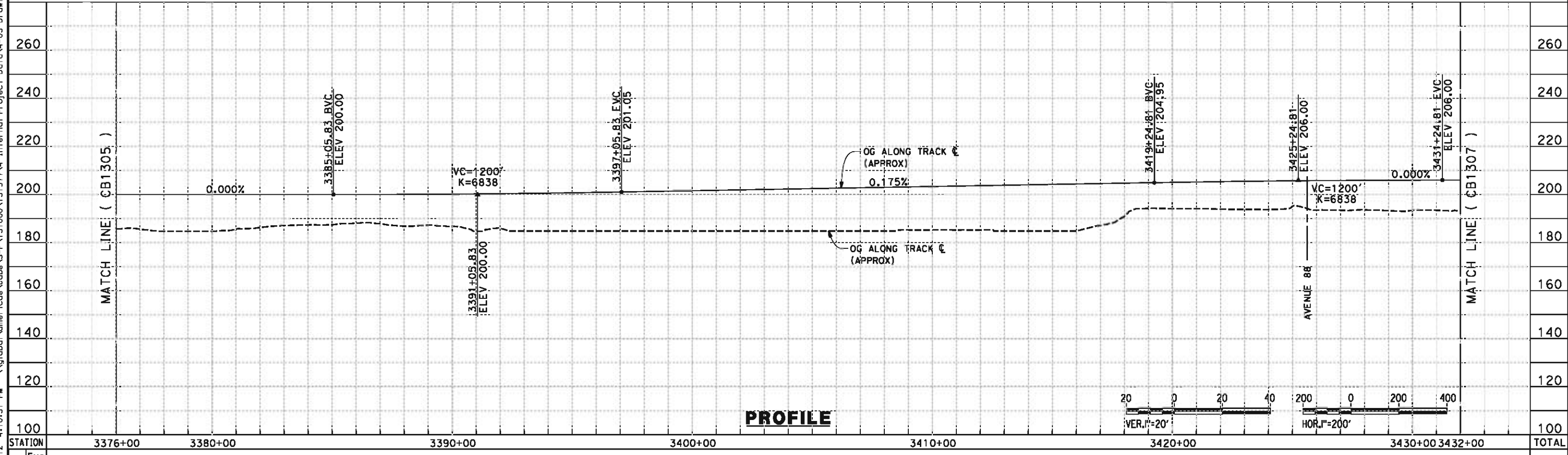
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3320+00 TO 3376+00
PLAN AND PROFILE

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

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PLAN



PROFILE

STATION	3376+00	3380+00	3390+00	3400+00	3410+00	3420+00	3430+00	3432+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**

PIXLEY SUBSECTION
ALIGNMENT P
STA. 3376+00 TO 3432+00
PLAN AND PROFILE

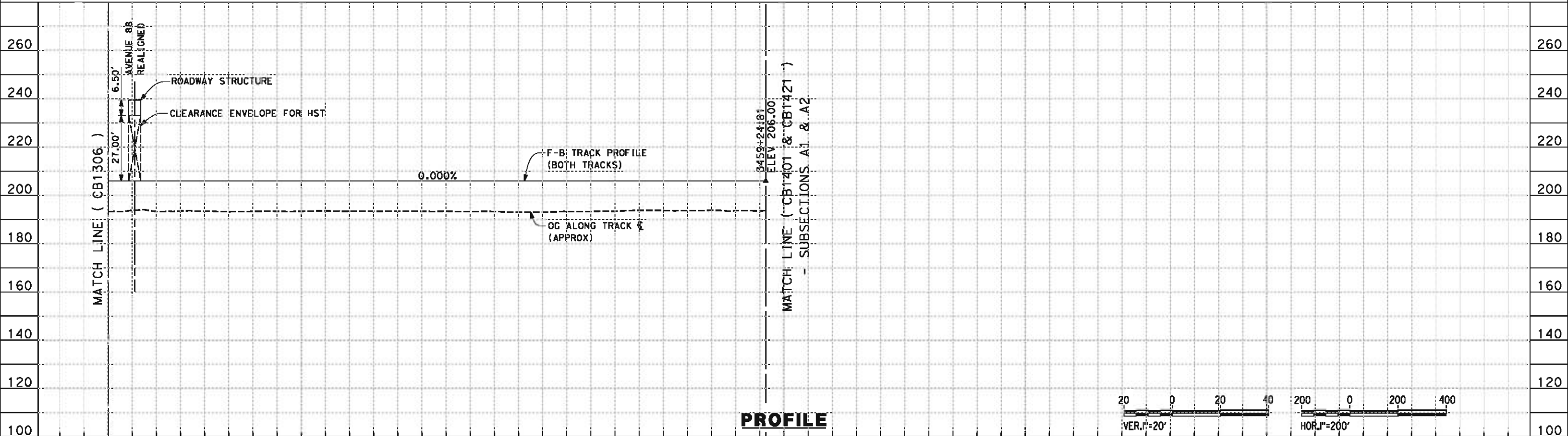
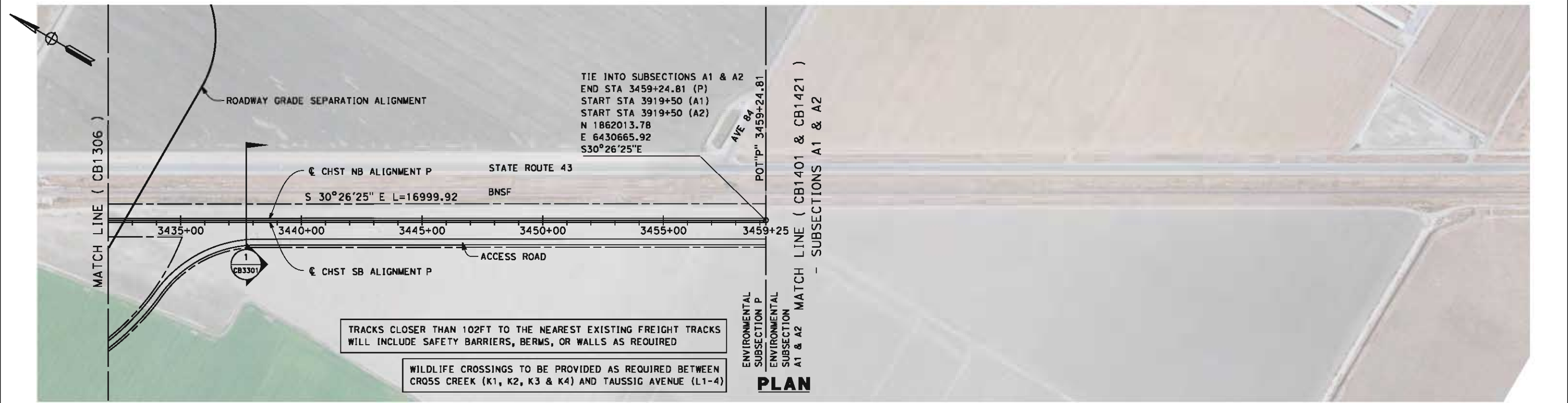
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HSR 06-0003

DRAWING NO.
CB1306

SCALE
AS SHOWN

SHEET NO.
7 OF 9

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STATION	3432+00	3440+00	3450+00	3460+00	3470+00	3480+00	3488+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**



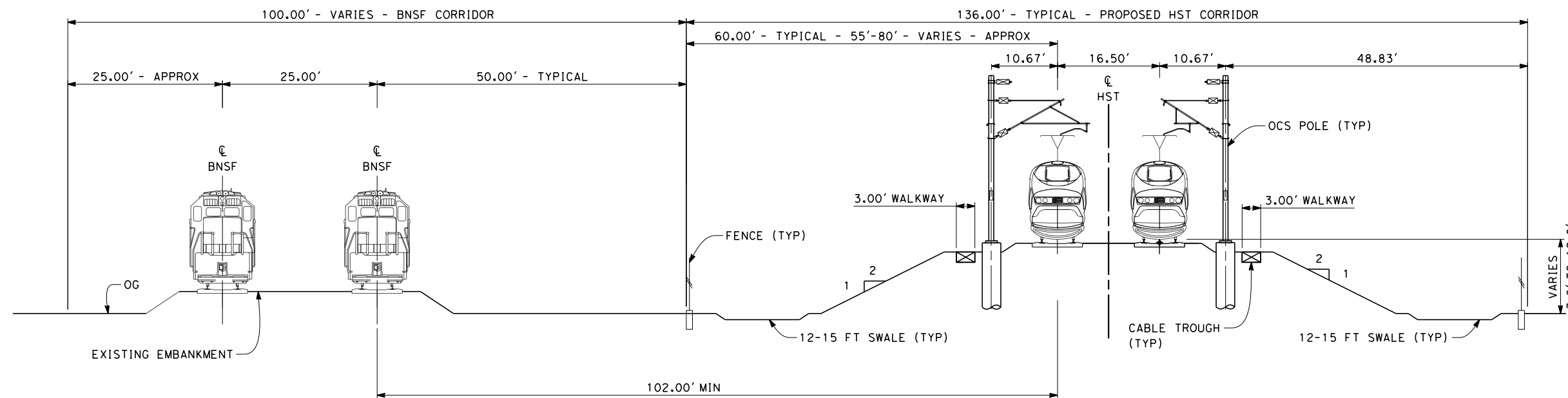
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

PIXLEY SUBSECTION
ALIGNMENT P
STA. 3432+00 TO 3459+24
PLAN AND PROFILE

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

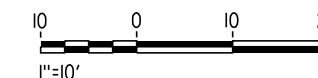
NOTES:

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



SECTION 1

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
 STA 3096+00 THROUGH STA 3459+24.81



eron_sudhausen 7/10/2012 10:43:30 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\FB-CB-3301-P.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
 PIXLEY SUBSECTION
 ALIGNMENT P
 CROSS SECTION

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 CB3301
 SCALE
 AS SHOWN
 SHEET NO.
 9 OF 9