

CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

DRAFT

Fresno to Bakersfield Section
Draft EIR-EIS

Volume III: Section A - Alignment Plans Part 1 of 2

August 2011



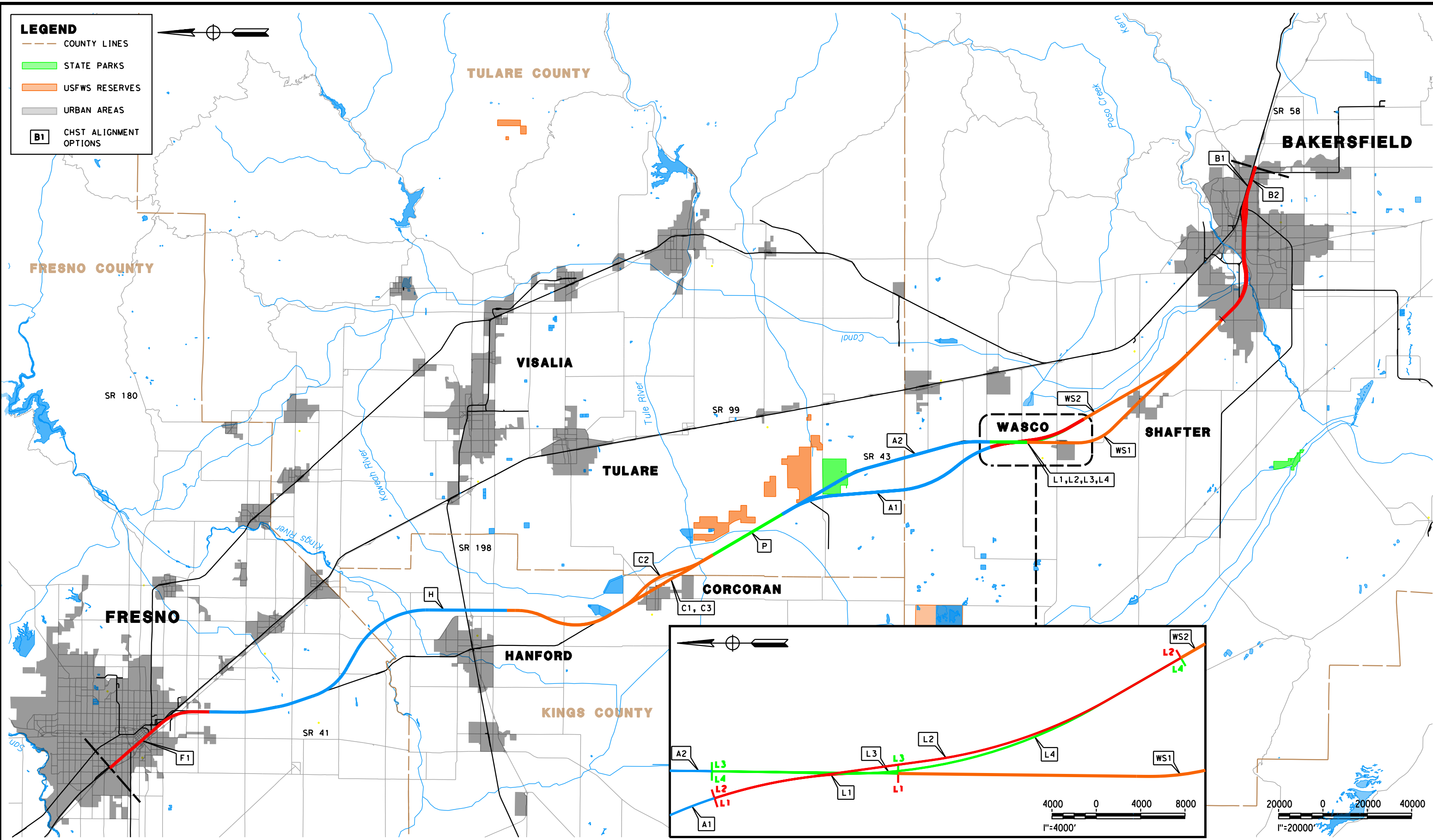
CALIFORNIA
High-Speed Rail Authority



U.S. Department of Transportation
Federal Railroad Administration



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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
05/13/11

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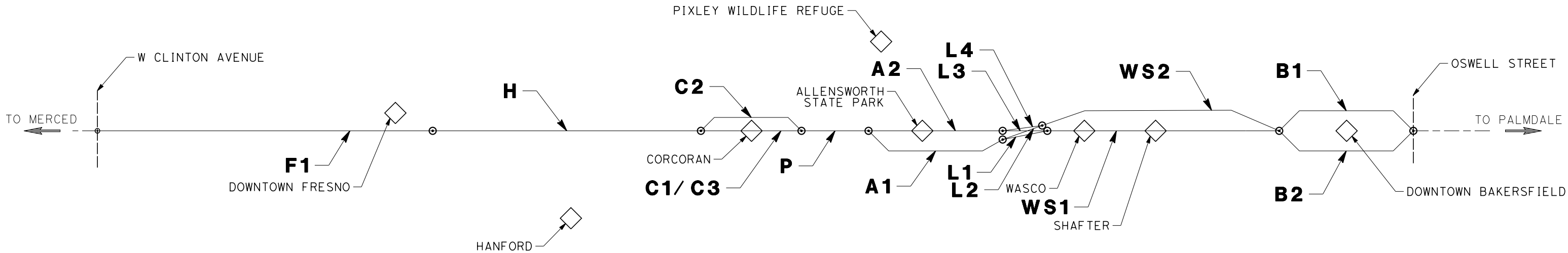


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT
LOCATION MAP

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

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SUBSECTION CODE	NAME	LENGTH (MI)
F1	FRESNO	10.12
H	HANFORD	28.69
C1	CORCORAN (ELEVATED)	19.34
C2	CORCORAN BYPASS	19.49
C3	CORCORAN (AT GRADE)	19.36
P	PIXLEY	6.88
A1	ALLENSWORTH BYPASS	19.07
A2	THROUGH ALLENSWORTH	19.04
L1	POSO CREEK	3.18
L2	POSO CREEK	8.41
L3	POSO CREEK	3.18
L4	POSO CREEK	8.44
WS1	THROUGH WASCO-SHAFTER	20.63
WS2	WASCO-SHAFTER BYPASS	14.49
B1	BAKERSFIELD URBAN (NORTH)	11.96
B2	BAKERSFIELD URBAN (SOUTH)	11.89



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. ALLEN
DRAWN BY C. ALLEN
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DATE 05/13/11

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DESIGN SUBMISSION**

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

ALIGNMENT
ALIGNMENT SUBSECTIONS DIAGRAM

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0002
SCALE NO SCALE
SHEET NO. 3 OF 16

GENERAL SHEETS

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.
	FRESNO TO BAKERSFIELD - ALIGNMENT - COVER SHEET	SHEET 1 OF 16
CB0001	ALIGNMENT - LOCATION MAP	SHEET 2 OF 16
CB0002	ALIGNMENT - ALIGNMENT SUBSECTIONS DIAGRAM	SHEET 3 OF 16
CB0003	ALIGNMENT - INDEX OF SHEETS - SHEET 1 OF 6	SHEET 4 OF 16
CB0004	ALIGNMENT - INDEX OF SHEETS - SHEET 2 OF 6	SHEET 5 OF 16
CB0005	ALIGNMENT - INDEX OF SHEETS - SHEET 3 OF 6	SHEET 6 OF 16
CB0006	ALIGNMENT - INDEX OF SHEETS - SHEET 4 OF 6	SHEET 7 OF 16
CB0007	ALIGNMENT - INDEX OF SHEETS - SHEET 5 OF 6	SHEET 8 OF 16
CB0008	ALIGNMENT - INDEX OF SHEETS - SHEET 6 OF 6	SHEET 9 OF 16
CB0009	GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 1 OF 2	SHEET 10 OF 16
CB0010	GENERAL - ABBREVIATIONS AND LEGENDS - SHEET 2 OF 2	SHEET 11 OF 16
CB0011	ALIGNMENT - CURVE DATA SHEET - SHEET 1 OF 2	SHEET 12 OF 16
CB0012	ALIGNMENT - CURVE DATA SHEET - SHEET 2 OF 2	SHEET 13 OF 16
CB0013	TPSS - LOCATION MAP	SHEET 14 OF 16
CB0014	WILDLIFE CROSSINGS - LOCATION MAP	SHEET 15 OF 16
CB0015	TYPICAL OCS CONFIGURATION	SHEET 16 OF 16

REFER TO ALIGNMENT PLANS - PART 1 OF 2

ALIGNMENT F1

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1650	FRESNO SUBSECTION - ALIGNMENT F1 - STA.100+00 TO 634+32 - KEY MAP	SHEET 1 OF 40	NOT INCLUDED IN THIS PACKAGE 1
CB1651	FRESNO SUBSECTION - ALIGNMENT F1 - STA.100+00 TO 128+00 - PLAN AND PROFILE	SHEET 2 OF 40	
CB1652	FRESNO SUBSECTION - ALIGNMENT F1 - STA.128+00 TO 156+00 - PLAN AND PROFILE	SHEET 3 OF 40	
CB1653	FRESNO SUBSECTION - ALIGNMENT F1 - STA.156+00 TO 184+00 - PLAN AND PROFILE	SHEET 4 OF 40	
CB1654	FRESNO SUBSECTION - ALIGNMENT F1 - STA.184+00 TO 212+00 - PLAN AND PROFILE	SHEET 5 OF 40	
CB1655	FRESNO SUBSECTION - ALIGNMENT F1 - STA.212+00 TO 240+00 - PLAN AND PROFILE	SHEET 6 OF 40	
CB1656	FRESNO SUBSECTION - ALIGNMENT F1 - STA.240+00 TO 268+00 - PLAN AND PROFILE	SHEET 7 OF 40	
CB1657	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.268+00 TO 282+00 - PLAN AND PROFILE	SHEET 8 OF 40	
CB1658	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.282+00 TO 296+00 - PLAN AND PROFILE	SHEET 9 OF 40	
CB1659	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.296+00 TO 310+00 - PLAN AND PROFILE	SHEET 10 OF 40	
CB1660	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.310+00 TO 324+00 - PLAN AND PROFILE	SHEET 11 OF 40	
CB1661	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.324+00 TO 338+00 - PLAN AND PROFILE	SHEET 12 OF 40	
CB1662	FRESNO SUBSECTION - MARIPOSA STATION - ALIGNMENT F1 - STA.338+00 TO 352+00 - PLAN AND PROFILE	SHEET 13 OF 40	
CB1663	FRESNO SUBSECTION - ALIGNMENT F1 - STA.352+00 TO 380+00 - PLAN AND PROFILE	SHEET 14 OF 40	
CB1664	FRESNO SUBSECTION - ALIGNMENT F1 - STA.380+00 TO 408+00 - PLAN AND PROFILE	SHEET 15 OF 40	
CB1665	FRESNO SUBSECTION - ALIGNMENT F1 - STA.408+00 TO 436+00 - PLAN AND PROFILE	SHEET 16 OF 40	
CB1666	FRESNO SUBSECTION - ALIGNMENT F1 - STA.436+00 TO 464+00 - PLAN AND PROFILE	SHEET 17 OF 40	
CB1667	FRESNO SUBSECTION - ALIGNMENT F1 - STA.464+00 TO 492+00 - PLAN AND PROFILE	SHEET 18 OF 40	
CB1668	FRESNO SUBSECTION - ALIGNMENT F1 - STA.492+00 TO 520+00 - PLAN AND PROFILE	SHEET 19 OF 40	
CB1669	FRESNO SUBSECTION - ALIGNMENT F1 - STA.520+00 TO 548+00 - PLAN AND PROFILE	SHEET 20 OF 40	

ALIGNMENT F1 - CONT'D

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1670	FRESNO SUBSECTION - ALIGNMENT F1 - STA.548+00 TO 577+00 - PLAN AND PROFILE	SHEET 21 OF 40	NOT INCLUDED IN THIS PACKAGE
CB1671	FRESNO SUBSECTION - ALIGNMENT F1 - STA.577+00 TO 606+00 - PLAN AND PROFILE	SHEET 22 OF 40	
CB1672	FRESNO SUBSECTION - ALIGNMENT F1 - STA.606+00 TO 634+32 - PLAN AND PROFILE	SHEET 23 OF 40	
CB1674	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.240+00 TO 268+00 - PLAN AND PROFILE	SHEET 24 OF 40	
CB1675	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.268+00 TO 282+00 - PLAN AND PROFILE	SHEET 25 OF 40	
CB1676	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.282+00 TO 296+00 - PLAN AND PROFILE	SHEET 26 OF 40	
CB1677	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.296+00 TO 310+00 - PLAN AND PROFILE	SHEET 27 OF 40	
CB1678	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.310+00 TO 324+00 - PLAN AND PROFILE	SHEET 28 OF 40	
CB1679	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.324+00 TO 338+00 - PLAN AND PROFILE	SHEET 29 OF 40	
CB1680	FRESNO SUBSECTION - KERN STATION - ALIGNMENT F1 - STA.338+00 TO 352+00 - PLAN AND PROFILE	SHEET 30 OF 40	
CB3010	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 31 OF 40	
CB3011	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 32 OF 40	
CB3012	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 33 OF 40	
CB3013	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 34 OF 40	
CB3014	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 35 OF 40	
CB3015	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 36 OF 40	
CB3016	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 37 OF 40	
CB3017	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 38 OF 40	
CB3018	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 39 OF 40	
CB3019	FRESNO SUBSECTION - ALIGNMENT F1 - CROSS SECTIONS	SHEET 40 OF 40	

ALIGNMENT H

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1800	HANFORD SUBSECTION - ALIGNMENT H - STA.629+59 TO 2144+63 - KEY MAP	SHEET 1 OF 39	1
CB1801	HANFORD SUBSECTION - ALIGNMENT H - STA.629+59 TO 687+00 - PLAN AND PROFILE	SHEET 2 OF 39	
CB1802	HANFORD SUBSECTION - ALIGNMENT H - STA.687+00 TO 744+00 - PLAN AND PROFILE	SHEET 3 OF 39	
CB1803	HANFORD SUBSECTION - ALIGNMENT H - STA.744+00 TO 800+00 - PLAN AND PROFILE	SHEET 4 OF 39	
CB1804	HANFORD SUBSECTION - ALIGNMENT H - STA.800+00 TO 856+00 - PLAN AND PROFILE	SHEET 5 OF 39	
CB1805	HANFORD SUBSECTION - ALIGNMENT H - STA.856+00 TO 912+00 - PLAN AND PROFILE	SHEET 6 OF 39	
CB1806	HANFORD SUBSECTION - ALIGNMENT H - STA.912+00 TO 968+00 - PLAN AND PROFILE	SHEET 7 OF 39	
CB1807	HANFORD SUBSECTION - ALIGNMENT H - STA.968+00 TO 1024+00 - PLAN AND PROFILE	SHEET 8 OF 39	
CB1808	HANFORD SUBSECTION - ALIGNMENT H - STA.1024+00 TO 1080+00 - PLAN AND PROFILE	SHEET 9 OF 39	
CB1809	HANFORD SUBSECTION - ALIGNMENT H - STA.1080+00 TO 1136+00 - PLAN AND PROFILE	SHEET 10 OF 39	
CB1810	HANFORD SUBSECTION - ALIGNMENT H - STA.1136+00 TO 1192+00 - PLAN AND PROFILE	SHEET 11 OF 39	
CB1811	HANFORD SUBSECTION - ALIGNMENT H - STA.1192+00 TO 1248+00 - PLAN AND PROFILE	SHEET 12 OF 39	
CB1812	HANFORD SUBSECTION - ALIGNMENT H - STA.1248+00 TO 1304+00 - PLAN AND PROFILE	SHEET 13 OF 39	
CB1813	HANFORD SUBSECTION - ALIGNMENT H - STA.1304+00 TO 1360+00 - PLAN AND PROFILE	SHEET 14 OF 39	
CB1814	HANFORD SUBSECTION - ALIGNMENT H - STA.1360+00 TO 1416+00 - PLAN AND PROFILE	SHEET 15 OF 39	
CB1815	HANFORD SUBSECTION - ALIGNMENT H - STA.1416+00 TO 1472+00 - PLAN AND PROFILE	SHEET 16 OF 39	
CB1816	HANFORD SUBSECTION - ALIGNMENT H - STA.1472+00 TO 1528+00 - PLAN AND PROFILE	SHEET 17 OF 39	
CB1817	HANFORD SUBSECTION - ALIGNMENT H - STA.1528+00 TO 1584+00 - PLAN AND PROFILE	SHEET 18 OF 39	
CB1818	HANFORD SUBSECTION - ALIGNMENT H - STA.1584+00 TO 1640+00 - PLAN AND PROFILE	SHEET 19 OF 39	
CB1819	HANFORD SUBSECTION - ALIGNMENT H - STA.1640+00 TO 1696+00 - PLAN AND PROFILE	SHEET 20 OF 39	

						DESIGNED BY K. SEYMOUR	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
					DRAWN BY P. TONKIN	DRAWING NO. CB0003					
					CHECKED BY D. HUNT	SCALE NO SCALE					
					IN CHARGE A. LUFT	SHEET NO. 4 OF 16					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 06/30/11					

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ALIGNMENT H - CONT'D

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1820	HANFORD SUBSECTION - ALIGNMENT H - STA.1696+00 TO 1752+00 - PLAN AND PROFILE	SHEET 21 OF 39	1
CB1821	HANFORD SUBSECTION - ALIGNMENT H - STA.1752+00 TO 1808+00 - PLAN AND PROFILE	SHEET 22 OF 39	
CB1822	HANFORD SUBSECTION - ALIGNMENT H - STA.1808+00 TO 1864+00 - PLAN AND PROFILE	SHEET 23 OF 39	
CB1823	HANFORD SUBSECTION - ALIGNMENT H - STA.1864+00 TO 1914+00 - PLAN AND PROFILE	SHEET 24 OF 39	
CB1824	HANFORD SUBSECTION - ALIGNMENT H - STA.1914+00 TO 1928+00 - PLAN AND PROFILE	SHEET 25 OF 39	
CB1825	HANFORD SUBSECTION - ALIGNMENT H - STA.1928+00 TO 1942+00 - PLAN AND PROFILE	SHEET 26 OF 39	
CB1826	HANFORD SUBSECTION - ALIGNMENT H - STA.1942+00 TO 1956+00 - PLAN AND PROFILE	SHEET 27 OF 39	
CB1827	HANFORD SUBSECTION - ALIGNMENT H - STA.1956+00 TO 1970+00 - PLAN AND PROFILE	SHEET 28 OF 39	
CB1828	HANFORD SUBSECTION - ALIGNMENT H - STA.1970+00 TO 1984+00 - PLAN AND PROFILE	SHEET 29 OF 39	
CB1829	HANFORD SUBSECTION - ALIGNMENT H - STA.1984+00 TO 2032+00 - PLAN AND PROFILE	SHEET 30 OF 39	
CB1830	HANFORD SUBSECTION - ALIGNMENT H - STA.2032+00 TO 2088+00 - PLAN AND PROFILE	SHEET 31 OF 39	
CB1831	HANFORD SUBSECTION - ALIGNMENT H - STA.2088+00 TO 2144+63 - PLAN AND PROFILE	SHEET 32 OF 39	
CB3151	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 33 OF 39	
CB3152	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 34 OF 39	
CB3153	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 35 OF 39	
CB3154	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 36 OF 39	
CB3155	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 37 OF 39	
CB3157	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 38 OF 39	
CB3158	HANFORD SUBSECTION - ALIGNMENT H - CROSS SECTIONS	SHEET 39 OF 39	

ALIGNMENT C1

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1870	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2074+96.42 TO 3096+00 - KEY MAP	SHEET 1 OF 33	1
CB1871	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2074+96.42 TO 2130+00 - PLAN AND PROFILE	SHEET 2 OF 33	
CB1872	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2130+00 TO 2186+00 - PLAN AND PROFILE	SHEET 3 OF 33	
CB1873	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2186+00 TO 2242+00 - PLAN AND PROFILE	SHEET 4 OF 33	
CB1874	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2242+00 TO 2298+00 - PLAN AND PROFILE	SHEET 5 OF 33	
CB1875	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2298+00 TO 2354+00 - PLAN AND PROFILE	SHEET 6 OF 33	
CB1876	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2354+00 TO 2410+00 - PLAN AND PROFILE	SHEET 7 OF 33	
CB1877	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2410+00 TO 2466+00 - PLAN AND PROFILE	SHEET 8 OF 33	
CB1878	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2466+00 TO 2522+00 - PLAN AND PROFILE	SHEET 9 OF 33	
CB1879	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2522+00 TO 2578+00 - PLAN AND PROFILE	SHEET 10 OF 33	
CB1880	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2578+00 TO 2634+00 - PLAN AND PROFILE	SHEET 11 OF 33	
CB1881	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2634+00 TO 2676+00 - PLAN AND PROFILE	SHEET 12 OF 33	
CB1882	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2676+00 TO 2704+00 - PLAN AND PROFILE	SHEET 13 OF 33	
CB1883	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2704+00 TO 2732+00 - PLAN AND PROFILE	SHEET 14 OF 33	
CB1884	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2732+00 TO 2760+00 - PLAN AND PROFILE	SHEET 15 OF 33	
CB1885	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2760+00 TO 2788+00 - PLAN AND PROFILE	SHEET 16 OF 33	
CB1886	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2788+00 TO 2816+00 - PLAN AND PROFILE	SHEET 17 OF 33	
CB1887	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2816+00 TO 2844+00 - PLAN AND PROFILE	SHEET 18 OF 33	
CB1888	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2844+00 TO 2872+00 - PLAN AND PROFILE	SHEET 19 OF 33	
CB1889	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2872+00 TO 2900+00 - PLAN AND PROFILE	SHEET 20 OF 33	
CB1890	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2900+00 TO 2928+00 - PLAN AND PROFILE	SHEET 21 OF 33	

ALIGNMENT C1 - CONT'D

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1891	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2928+00 TO 2956+00 - PLAN AND PROFILE	SHEET 22 OF 33	1
CB1892	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2956+00 TO 2984+00 - PLAN AND PROFILE	SHEET 23 OF 33	
CB1893	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.2984+00 TO 3012+00 - PLAN AND PROFILE	SHEET 24 OF 33	
CB1894	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.3012+00 TO 3040+00 - PLAN AND PROFILE	SHEET 25 OF 33	
CB1895	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.3040+00 TO 3068+00 - PLAN AND PROFILE	SHEET 26 OF 33	
CB1896	CORCORAN SUBSECTION - ALIGNMENT C1 - STA.3068+00 TO 3096+00 - PLAN AND PROFILE	SHEET 27 OF 33	
CB3210	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 28 OF 33	
CB3211	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 29 OF 33	
CB3212	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 30 OF 33	
CB3213	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 31 OF 33	
CB3214	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 32 OF 33	
CB3215	CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS	SHEET 33 OF 33	

ALIGNMENT C2

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1850	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2067+00 TO 3096+00 - KEY MAP	SHEET 1 OF 27	1
CB1851	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2067+00 TO 2123+00 - PLAN AND PROFILE	SHEET 2 OF 27	
CB1852	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2123+00 TO 2179+00 - PLAN AND PROFILE	SHEET 3 OF 27	
CB1853	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2179+00 TO 2235+00 - PLAN AND PROFILE	SHEET 4 OF 27	
CB1854	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2235+00 TO 2291+00 - PLAN AND PROFILE	SHEET 5 OF 27	
CB1855	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2291+00 TO 2347+00 - PLAN AND PROFILE	SHEET 6 OF 27	
CB1856	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2347+00 TO 2403+00 - PLAN AND PROFILE	SHEET 7 OF 27	
CB1857	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2403+00 TO 2459+00 - PLAN AND PROFILE	SHEET 8 OF 27	
CB1858	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2459+00 TO 2515+00 - PLAN AND PROFILE	SHEET 9 OF 27	
CB1859	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2515+00 TO 2571+00 - PLAN AND PROFILE	SHEET 10 OF 27	
CB1860	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2571+00 TO 2627+00 - PLAN AND PROFILE	SHEET 11 OF 27	
CB1861	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2627+00 TO 2683+00 - PLAN AND PROFILE	SHEET 12 OF 27	
CB1862	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2683+00 TO 2739+00 - PLAN AND PROFILE	SHEET 13 OF 27	
CB1863	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2739+00 TO 2795+00 - PLAN AND PROFILE	SHEET 14 OF 27	
CB1864	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2795+00 TO 2851+00 - PLAN AND PROFILE	SHEET 15 OF 27	
CB1865	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2851+00 TO 2907+00 - PLAN AND PROFILE	SHEET 16 OF 27	
CB1866	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2907+00 TO 2963+00 - PLAN AND PROFILE	SHEET 17 OF 27	
CB1867	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.2963+00 TO 3019+00 - PLAN AND PROFILE	SHEET 18 OF 27	
CB1868	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.3019+00 TO 3075+00 - PLAN AND PROFILE	SHEET 19 OF 27	
CB1869	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - STA.3075+00 TO 3096+00 - PLAN AND PROFILE	SHEET 20 OF 27	
CB3255	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 21 OF 27	
CB3256	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 22 OF 27	
CB3257	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 23 OF 27	
CB3258	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 24 OF 27	
CB3259	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 25 OF 27	
CB3260	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 26 OF 27	
CB3261	CORCORAN BYPASS SUBSECTION - ALIGNMENT C2 - CROSS SECTIONS	SHEET 27 OF 27	

REV	DATE	BY	CHK	APP	DESCRIPTION

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FRESNO TO BAKERSFIELD

ALIGNMENT
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ALIGNMENT C3

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1900	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2073+97 TO 3096+00 - KEY MAP	SHEET 1 OF 30	1
CB1901	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2073+97 TO 2130+00 - PLAN AND PROFILE	SHEET 2 OF 30	
CB1902	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2130+00 TO 2186+00 - PLAN AND PROFILE	SHEET 3 OF 30	
CB1903	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2186+00 TO 2242+00 - PLAN AND PROFILE	SHEET 4 OF 30	
CB1904	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2242+00 TO 2298+00 - PLAN AND PROFILE	SHEET 5 OF 30	
CB1905	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2298+00 TO 2354+00 - PLAN AND PROFILE	SHEET 6 OF 30	
CB1906	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2354+00 TO 2410+00 - PLAN AND PROFILE	SHEET 7 OF 30	
CB1907	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2410+00 TO 2466+00 - PLAN AND PROFILE	SHEET 8 OF 30	
CB1908	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2466+00 TO 2522+00 - PLAN AND PROFILE	SHEET 9 OF 30	
CB1909	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2522+00 TO 2578+00 - PLAN AND PROFILE	SHEET 10 OF 30	
CB1910	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2578+00 TO 2634+00 - PLAN AND PROFILE	SHEET 11 OF 30	
CB1911	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2634+00 TO 2690+00 - PLAN AND PROFILE	SHEET 12 OF 30	
CB1912	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2690+00 TO 2718+00 - PLAN AND PROFILE	SHEET 13 OF 30	
CB1913	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2718+00 TO 2746+00 - PLAN AND PROFILE	SHEET 14 OF 30	
CB1914	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2746+00 TO 2774+00 - PLAN AND PROFILE	SHEET 15 OF 30	
CB1915	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2774+00 TO 2802+00 - PLAN AND PROFILE	SHEET 16 OF 30	
CB1916	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2802+00 TO 2830+00 - PLAN AND PROFILE	SHEET 17 OF 30	
CB1917	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2830+00 TO 2858+00 - PLAN AND PROFILE	SHEET 18 OF 30	
CB1918	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2858+00 TO 2886+00 - PLAN AND PROFILE	SHEET 19 OF 30	
CB1919	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2886+00 TO 2914+00 - PLAN AND PROFILE	SHEET 20 OF 30	
CB1920	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2914+00 TO 2942+00 - PLAN AND PROFILE	SHEET 21 OF 30	
CB1921	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2942+00 TO 2998+00 - PLAN AND PROFILE	SHEET 22 OF 30	
CB1922	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.2998+00 TO 3054+00 - PLAN AND PROFILE	SHEET 23 OF 30	
CB1923	CORCORAN SUBSECTION - ALIGNMENT C3 - STA.3054+00 TO 3096+00 - PLAN AND PROFILE	SHEET 24 OF 30	
CB3275	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 25 OF 30	
CB3276	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 26 OF 30	
CB3277	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 27 OF 30	
CB3278	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 28 OF 30	
CB3279	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 29 OF 30	
CB3280	CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS	SHEET 30 OF 30	

ALIGNMENT P

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 SECTION	SHEET 9 OF 9	

REFER TO ALIGNMENT PLANS - PART 2 OF 2

ALIGNMENT A1

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

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1420	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.3919+50 TO 4924+61 - KEY MAP	SHEET 1 OF 23	2
CB1421	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.3919+50 TO 3975+50 - PLAN AND PROFILE	SHEET 2 OF 23	
CB1422	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.3975+50 TO 4031+50 - PLAN AND PROFILE	SHEET 3 OF 23	
CB1423	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4031+50 TO 4087+50 - PLAN AND PROFILE	SHEET 4 OF 23	
CB1424	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4087+50 TO 4143+50 - PLAN AND PROFILE	SHEET 5 OF 23	
CB1425	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4143+50 TO 4199+50 - PLAN AND PROFILE	SHEET 6 OF 23	
CB1426	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4199+50 TO 4227+50 - PLAN AND PROFILE	SHEET 7 OF 23	
CB1427	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4227+50 TO 4255+50 - PLAN AND PROFILE	SHEET 8 OF 23	
CB1428	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4255+50 TO 4283+50 - PLAN AND PROFILE	SHEET 9 OF 23	
CB1429	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4283+50 TO 4311+50 - PLAN AND PROFILE	SHEET 10 OF 23	
CB1430	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4311+50 TO 4367+50 - PLAN AND PROFILE	SHEET 11 OF 23	
CB1431	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4367+50 TO 4423+50 - PLAN AND PROFILE	SHEET 12 OF 23	
CB1432	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4423+50 TO 4479+50 - PLAN AND PROFILE	SHEET 13 OF 23	
CB1433	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4479+50 TO 4535+50 - PLAN AND PROFILE	SHEET 14 OF 23	
CB1434	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4535+50 TO 4591+50 - PLAN AND PROFILE	SHEET 15 OF 23	
CB1435	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4591+50 TO 4647+50 - PLAN AND PROFILE	SHEET 16 OF 23	
CB1436	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4647+50 TO 4703+50 - PLAN AND PROFILE	SHEET 17 OF 23	
CB1437	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4703+50 TO 4759+50 - PLAN AND PROFILE	SHEET 18 OF 23	
CB1438	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4759+50 TO 4815+50 - PLAN AND PROFILE	SHEET 19 OF 23	

						DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALIGNMENT INDEX OF SHEETS SHEET 3 OF 6	CONTRACT NO. HSR 06-0003
						DRAWING NO. CB0005					
						SCALE NO SCALE					
						SHEET NO. 6 OF 16					
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ALIGNMENT A2 - CONT'D

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1439	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4815+50 TO 4871+50 - PLAN AND PROFILE	SHEET 20 OF 23	2
CB1440	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - STA.4871+50 TO 4924+61 - PLAN AND PROFILE	SHEET 21 OF 23	
CB3421	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - CROSS SECTIONS	SHEET 22 OF 23	
CB3422	THROUGH ALLENSWORTH SUBSECTION - ALIGNMENT A2 - CROSS SECTIONS	SHEET 23 OF 23	

ALIGNMENT L1

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1525	POSO CREEK SUBSECTION - ALIGNMENT L1 - STA.5154+50 TO 5322+49 - 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+49 - 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

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1550	POSO CREEK SUBSECTION - ALIGNMENT L2 - STA.5154+50 TO 5598+51 - 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+51 - 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	

ALIGNMENT L3

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 7	2
CB1576	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA.5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 7	
CB1577	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA.5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 7	
CB1578	POSO CREEK SUBSECTION - ALIGNMENT L3 - STA.5266+50 TO 5322+50 - PLAN AND PROFILE	SHEET 4 OF 7	
CB3576	POSO CREEK SUBSECTION - ALIGNMENT L3 - CROSS SECTIONS	SHEET 5 OF 7	
CB3577	POSO CREEK SUBSECTION - ALIGNMENT L3 - CROSS SECTIONS	SHEET 6 OF 7	
CB3578	POSO CREEK SUBSECTION - ALIGNMENT L3 - CROSS SECTIONS	SHEET 7 OF 7	

ALIGNMENT L4

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1600	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5154+50 TO 5599+92 - KEY MAP	SHEET 1 OF 16	2
CB1601	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5154+50 TO 5210+50 - PLAN AND PROFILE	SHEET 2 OF 16	
CB1602	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5210+50 TO 5266+50 - PLAN AND PROFILE	SHEET 3 OF 16	
CB1603	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5266+50 TO 5322+50 - PLAN AND PROFILE	SHEET 4 OF 16	
CB1604	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5322+50 TO 5378+50 - PLAN AND PROFILE	SHEET 5 OF 16	
CB1605	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5378+50 TO 5434+50 - PLAN AND PROFILE	SHEET 6 OF 16	
CB1606	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5434+50 TO 5490+50 - PLAN AND PROFILE	SHEET 7 OF 16	
CB1607	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5490+50 TO 5546+50 - PLAN AND PROFILE	SHEET 8 OF 16	
CB1608	POSO CREEK SUBSECTION - ALIGNMENT L4 - STA.5546+50 TO 5599+92 - PLAN AND PROFILE	SHEET 9 OF 16	
CB3601	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 10 OF 16	
CB3602	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 11 OF 16	
CB3603	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 12 OF 16	
CB3604	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 13 OF 16	
CB3605	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 14 OF 16	
CB3606	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 15 OF 16	
CB3607	POSO CREEK SUBSECTION - ALIGNMENT L4 - CROSS SECTIONS	SHEET 16 OF 16	

ALIGNMENT WS1

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1448	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA.5422+50 TO 6511+96 - KEY MAP	SHEET 1 OF 32	2
CB1449	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA.5422+50 TO 5478+50 - PLAN AND PROFILE	SHEET 2 OF 32	
CB1450	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA.5478+50 TO 5534+50 - PLAN AND PROFILE	SHEET 3 OF 32	
CB1451	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA.5534+50 TO 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+96 -PLAN AND PROFILE	SHEET 25 OF 32	

REV

DATE

BY

CHK

APP

DESCRIPTION

DESIGNED BY
K. SEYMOUR

DRAWN BY
P. TONKIN

CHECKED BY
D. HUNT

IN CHARGE
A. LUFT

DATE
06/30/11

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
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ALIGNMENT WS1 - 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

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB1483	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA.5703+35 TO 6468+56 - KEY MAP	SHEET 1 OF 19	2
CB1484	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA.5703+35 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 TO 6430+50 - PLAN AND PROFILE	SHEET 14 OF 19	
CB1497	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA.6430+50 TO 6468+56 - PLAN AND PROFILE	SHEET 15 OF 19	
CB3476	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 16 OF 19	
CB3477	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 17 OF 19	
CB3478	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 18 OF 19	
CB3479	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS	SHEET 19 OF 19	

ALIGNMENT B1

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB0764	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6799+47 TO 7431+00 - KEY MAP	SHEET 1 OF 37	2
CB0765	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6799+47 TO 6828+00 - PLAN AND PROFILE	SHEET 2 OF 37	
CB0766	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6828+00 TO 6856+00 - PLAN AND PROFILE	SHEET 3 OF 37	
CB0767	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6856+00 TO 6884+00 - PLAN AND PROFILE	SHEET 4 OF 37	
CB0768	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6884+00 TO 6912+00 - PLAN AND PROFILE	SHEET 5 OF 37	
CB0769	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6912+00 TO 6940+00 - PLAN AND PROFILE	SHEET 6 OF 37	
CB0770	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6940+00 TO 6968+00 - PLAN AND PROFILE	SHEET 7 OF 37	
CB0771	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6968+00 TO 6996+00 - PLAN AND PROFILE	SHEET 8 OF 37	
CB0772	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.6996+00 TO 7024+00 - PLAN AND PROFILE	SHEET 9 OF 37	
CB0773	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7024+00 TO 7052+00 - PLAN AND PROFILE	SHEET 10 OF 37	
CB0774	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7052+00 TO 7080+00 - PLAN AND PROFILE	SHEET 11 OF 37	
CB0775	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7080+00 TO 7108+00 - PLAN AND PROFILE	SHEET 12 OF 37	
CB0776	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7108+00 TO 7136+00 - PLAN AND PROFILE	SHEET 13 OF 37	
CB0777	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7136+00 TO 7164+00 - PLAN AND PROFILE	SHEET 14 OF 37	
CB0778	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7164+00 TO 7192+00 - PLAN AND PROFILE	SHEET 15 OF 37	
CB0779	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7192+00 TO 7220+00 - PLAN AND PROFILE	SHEET 16 OF 37	
CB0780	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7220+00 TO 7234+00 - PLAN AND PROFILE	SHEET 17 OF 37	
CB0781	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7234+00 TO 7248+00 - PLAN AND PROFILE	SHEET 18 OF 37	
CB0782	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7248+00 TO 7262+00 - PLAN AND PROFILE	SHEET 19 OF 37	
CB0783	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7262+00 TO 7276+00 - PLAN AND PROFILE	SHEET 20 OF 37	
CB0784	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7276+00 TO 7290+00 - PLAN AND PROFILE	SHEET 21 OF 37	
CB0785	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7290+00 TO 7304+00 - PLAN AND PROFILE	SHEET 22 OF 37	
CB0786	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7304+00 TO 7332+00 - PLAN AND PROFILE	SHEET 23 OF 37	
CB0787	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7332+00 TO 7360+00 - PLAN AND PROFILE	SHEET 24 OF 37	
CB0788	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7360+00 TO 7388+00 - PLAN AND PROFILE	SHEET 25 OF 37	
CB0789	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7388+00 TO 7416+00 - PLAN AND PROFILE	SHEET 26 OF 37	
CB0790	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA.7416+00 TO 7431+00 - PLAN AND PROFILE	SHEET 27 OF 37	
CB3701	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 28 OF 37	
CB3702	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 29 OF 37	
CB3703	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 30 OF 37	
CB3704	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 31 OF 37	
CB3705	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 32 OF 37	
CB3706	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 33 OF 37	
CB3707	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 34 OF 37	
CB3708	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 35 OF 37	
CB3709	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 36 OF 37	
CB3710	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS	SHEET 37 OF 37	

NOT INCLUDED IN
THIS PROJECT

NOT INCLUDED IN
THIS PROJECT

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 06/30/11

RECORD SET 15%
DESIGN SUBMISSION

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

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0007
SCALE NO SCALE
SHEET NO. 8 OF 16

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ALIGNMENT B2

DRAWING NO.	DRAWING DESCRIPTION	SHEET NO.	PART NO.
CB0791	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6799+21 TO 7427+00 - KEY MAP	SHEET 1 OF 38	2
CB0792	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6799+21 TO 6828+00 - PLAN AND PROFILE	SHEET 2 OF 38	
CB0793	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6828+00 TO 6856+00 - PLAN AND PROFILE	SHEET 3 OF 38	
CB0794	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6856+00 TO 6884+00 - PLAN AND PROFILE	SHEET 4 OF 38	
CB0795	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6884+00 TO 6912+00 - PLAN AND PROFILE	SHEET 5 OF 38	
CB0796	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6912+00 TO 6940+00 - PLAN AND PROFILE	SHEET 6 OF 38	
CB0797	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6940+00 TO 6968+00 - PLAN AND PROFILE	SHEET 7 OF 38	
CB0798	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6968+00 TO 6996+00 - PLAN AND PROFILE	SHEET 8 OF 38	
CB0799	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.6996+00 TO 7024+00 - PLAN AND PROFILE	SHEET 9 OF 38	
CB0800	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7024+00 TO 7052+00 - PLAN AND PROFILE	SHEET 10 OF 38	
CB0801	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7052+00 TO 7080+00 - PLAN AND PROFILE	SHEET 11 OF 38	
CB0802	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7080+00 TO 7108+00 - PLAN AND PROFILE	SHEET 12 OF 38	
CB0803	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7108+00 TO 7136+00 - PLAN AND PROFILE	SHEET 13 OF 38	
CB0804	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7136+00 TO 7164+00 - PLAN AND PROFILE	SHEET 14 OF 38	
CB0805	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7164+00 TO 7192+00 - PLAN AND PROFILE	SHEET 15 OF 38	
CB0806	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7192+00 TO 7220+00 - PLAN AND PROFILE	SHEET 16 OF 38	
CB0807	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7220+00 TO 7234+00 - PLAN AND PROFILE	SHEET 17 OF 38	
CB0808	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7234+00 TO 7248+00 - PLAN AND PROFILE	SHEET 18 OF 38	
CB0809	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7248+00 TO 7262+00 - PLAN AND PROFILE	SHEET 19 OF 38	
CB0810	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7262+00 TO 7276+00 - PLAN AND PROFILE	SHEET 20 OF 38	
CB0811	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7276+00 TO 7290+00 - PLAN AND PROFILE	SHEET 21 OF 38	
CB0812	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7290+00 TO 7304+00 - PLAN AND PROFILE	SHEET 22 OF 38	
CB0813	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7304+00 TO 7332+00 - PLAN AND PROFILE	SHEET 23 OF 38	
CB0814	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7332+00 TO 7360+00 - PLAN AND PROFILE	SHEET 24 OF 38	
CB0815	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7360+00 TO 7388+00 - PLAN AND PROFILE	SHEET 25 OF 38	
CB0816	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7388+00 TO 7416+00 - PLAN AND PROFILE	SHEET 26 OF 38	
CB0817	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA.7416+00 TO 7427+00 - PLAN AND PROFILE	SHEET 27 OF 38	
CB3801	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 28 OF 38	NOT INCLUDED IN THIS PROJECT
CB3802	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 29 OF 38	
CB3803	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 30 OF 38	
CB3804	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 31 OF 38	
CB3805	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 32 OF 38	
CB3806	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 33 OF 38	
CB3807	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 34 OF 38	
CB3808	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 35 OF 38	
CB3809	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 36 OF 38	
CB3810	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 37 OF 38	
CB3811	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS	SHEET 38 OF 38	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 06/30/11

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT
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SHEET 6 OF 6

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0008
SCALE NO SCALE
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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
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
CHSRA	CALIFORNIA HIGH SPEED RAIL AUTHORITY
CHST	CALIFORNIA HIGH SPEED TRAIN
CHSR	CALIFORNIA HIGH SPEED RAIL

C CONTINUED	
CG	CENTER OF GRAVITY
CHNL	CHANNEL
CI	CAST IRON
CIDH	CAST-IN-DRILLED-HOLE
CIP	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
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
EA	ACTUAL SUPERELEVATION
EU	UNBALANCED SUPERELEVATION
EASE	EASEMENT
EB	END OF BRIDGE, EASTBOUND
EC	END HORIZONTAL CURVE
ECR	END CURB RETURN
ED	EDGE DRAIN

E CONTINUED	
EDC	EDGE DRAIN CLEANOUT
EDO	EDGE DRAIN OUTLET
EDV	EDGE DRAIN VENT
ELEC	ELECTROLIER
ELECT	ELECTRIC
ELEV	ELEVATION
EMB	EMBANKMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EP	EDGE OF PAVEMENT
EO	EQUATION
ES	EDGE OF SHOULDER
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EW	ENDWALL
EXC	EXCAVATION
EXIST, EX.	EXISTING
EXP	EXPANSION, EXPRESSWAY
EXP JT	EXPANSION JOINT
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
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
H, HR	HOUR
HD	HORIZONTAL DRAIN
HDWL	HEADWALL
HEX HD	HEXAGONAL HEAD
HMA	HOT MIXED ASPHALT
HORIZ	HORIZONTAL
HP	HINGE POINT, HORSEPOWER

H CONTINUED	
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
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	IRON AND STEEL
MKR	MARKER
M/L	MAIN LINE (RAILWAY)
MOD	MODIFIED, MODIFY
MON	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MPH	MILES PER HOUR
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
MTL	MATERIAL
MSS	MOVING SCAFFOLDING SYSTEM

N	
N	NORTH
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	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
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
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

Q	
QTY	QUANTITY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
GENERAL
ABBREVIATIONS AND LEGENDS
SHEET 1 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0009
SCALE NO SCALE
SHEET NO. 10 OF 16

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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
	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND, 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
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER

S CONTINUED	
STD	STANDARD
STR	STRUCTURE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES
SJV RR	SAN JOAQUIN VALLEY RAILROAD

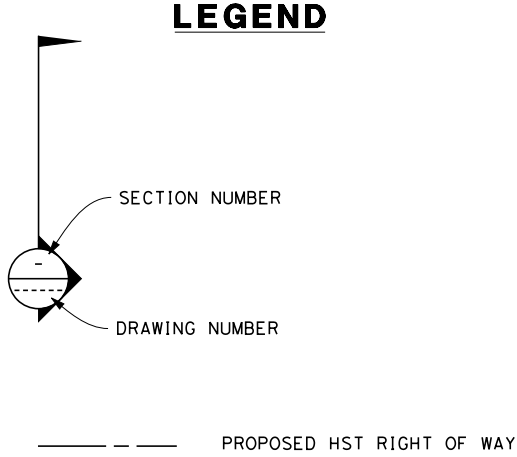
T	
T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBR	TIMBER
TC	TOP OF CURB, TANGENT TO CURVE
TCB	TRAFFIC CONTROL BOX
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TRANS	TRANSITION
TS	TRANSVERSE
	TRAFFIC SIGNAL, TUBULAR STEEL
TS	TANGET TO SPIRAL
TYP	TYPICAL
TOR	TOP OF RAIL

U	
UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD

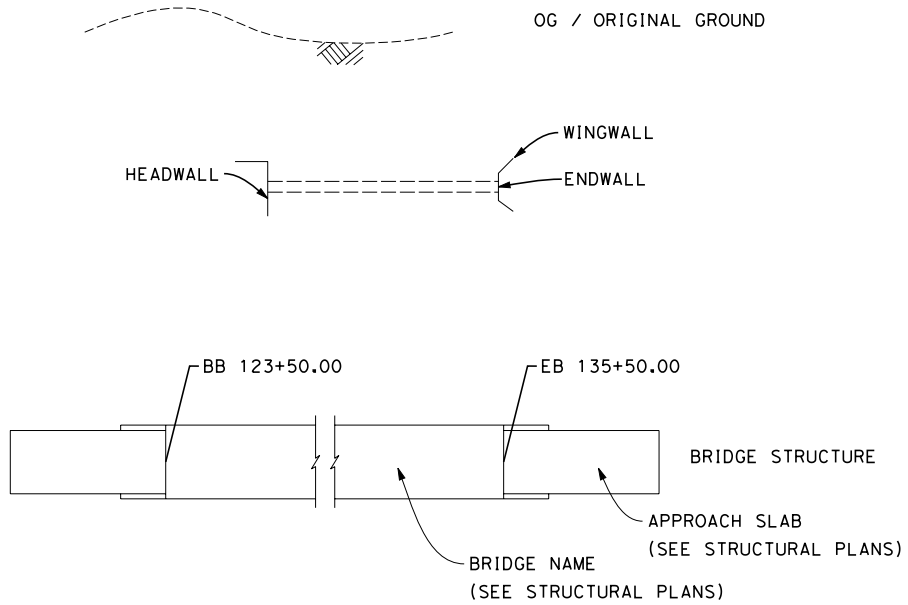
V	
V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME

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

X	
X SEC	CROSS SECTION
XING	CROSSING
Y	
YR	YEAR
YRS	YEARS



CONTROL LINE EXAMPLE "A" LINE		
255+00	260+00	265+00
	OR	TRACK (PLAN AND ELEVATION)
		TRACK TO BE REMOVED AND RELOCATED PER BNSF
		REMOVE BASE & SURFACING
		DIRECTION OF FLOW
		WATER SURFACE
		CURVE DATA (ALIGNMENTS) CURVE DATA (STRUCTURES)
		LINE DATA
		EXISTING OVERHEAD
		HIGH VOLTAGE
		POWER LINES
		EXISTING HIGH VOLTAGE TOWER FOOTPRINT



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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. CB0010
SCALE NO SCALE
SHEET NO. 11 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	70000	1.50	1.27	1000	1062
2	220	70000	1.50	1.27	1000	1182
3	220	21400	6.75	2.30	2500	13076

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)
4	250	45000	3.75	1.81	1500	7405
5	250	45000	3.75	1.81	1500	4788
6	250	26400	7.00	2.47	2000	17198
7	250	36500	4.00	2.85	1700	37009

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)
51	250	28000	6.00	2.93	2500	9189
52	250	28000	6.00	2.93	2500	24121
53	250	350000	0.00	0.71	0	1912
54	250	350000	0.00	0.71	0	1912
55	250	120000	1.00	1.08	1200	1282
56	250	50000	3.25	1.75	1400	2175
57	250	75000	2.00	1.33	1200	4054
58	250	350000	0.00	0.71	0	5687

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)
8	250	28000	6.00	2.93	2500	9271
9	250	28000	6.00	2.93	2500	24203
10	250	28000	6.00	2.93	2000	6592
11	250	28000	6.00	2.93	2000	12893
12	250	28000	6.00	2.93	2000	4455

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	28000	6.00	2.93	2500	9300
61	250	28000	6.00	2.93	2500	24307
62	250	800000	0.00	0.31	0	1778
63	250	800000	0.00	0.31	0	2017

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)
13	250	45000	3.75	1.81	1500	18801
14	250	45000	3.75	1.81	1500	25441
15	250	45000	3.75	1.81	1500	29558

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)
71	250	45000	3.75	1.81	1500	10245
72	250	45000	3.75	1.81	1500	11174

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	7438
92	250	45000	3.75	1.81	1500	15880

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	360000	0.00	0.69	0	5000
112	250	45000	3.75	1.81	1500	23472

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)
16	220	22000	6.00	2.80	2100	15369
17	250	125000	1.50	0.50	1200	1411
18	250	125000	1.50	0.50	1200	1409

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)
82	250	45000	3.75	1.81	1600	10093

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)
19	220	19508	6.93	3.00	1721/2041	17694
20	220	19508	6.92	3.00	2041/1680	2579
21	220	30008	3.55	2.90	956	1291
22	220	20008	6.70	2.97	1720	5347

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IN CHARGE A. LUFT
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
ALIGNMENT CURVE DATA SHEET SHEET 1 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0011
SCALE NO SCALE
SHEET NO. 12 OF 16

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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)
101	220	19608	7.00	2.88	1720/2796	16976
102	220	19608	7.00	2.87	2796/1720	1361
103	220	23508	5.25	2.98	1331	1432
104	220	27508	4.25	2.79	1334	1850
105	220	20008	7.00	2.67	1720	4097

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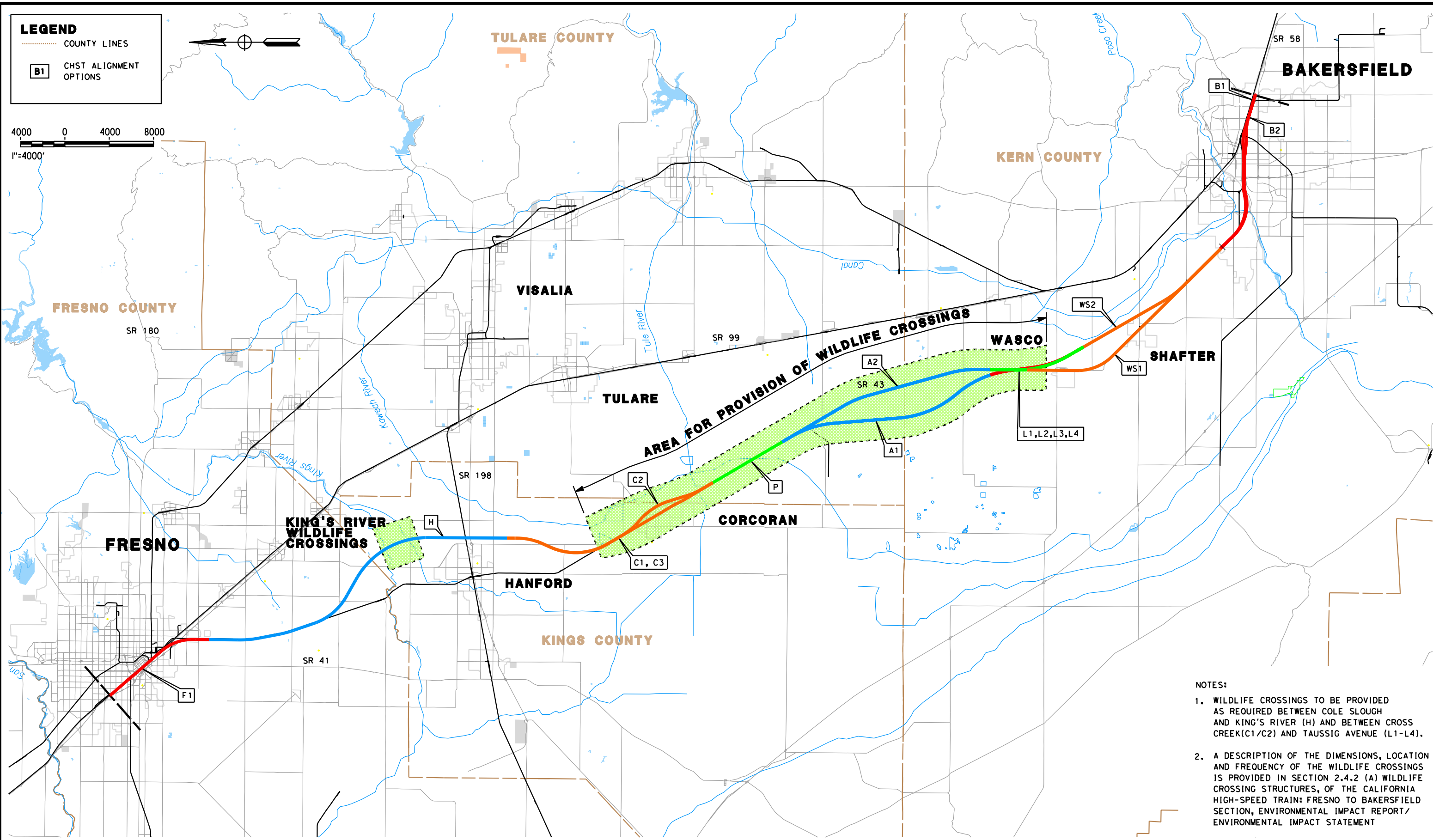
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
ALIGNMENT CURVE DATA SHEET SHEET 2 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0012
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SHEET NO. 13 OF 16

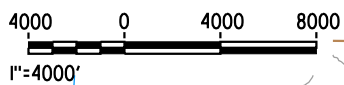
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LEGEND

----- COUNTY LINES

B1 CHST ALIGNMENT OPTIONS



- NOTES:**
1. WILDLIFE CROSSINGS TO BE PROVIDED AS REQUIRED BETWEEN COLE SLOUGH AND KING'S RIVER (H) 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

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

WILDLIFE CROSSINGS
LOCATION MAP

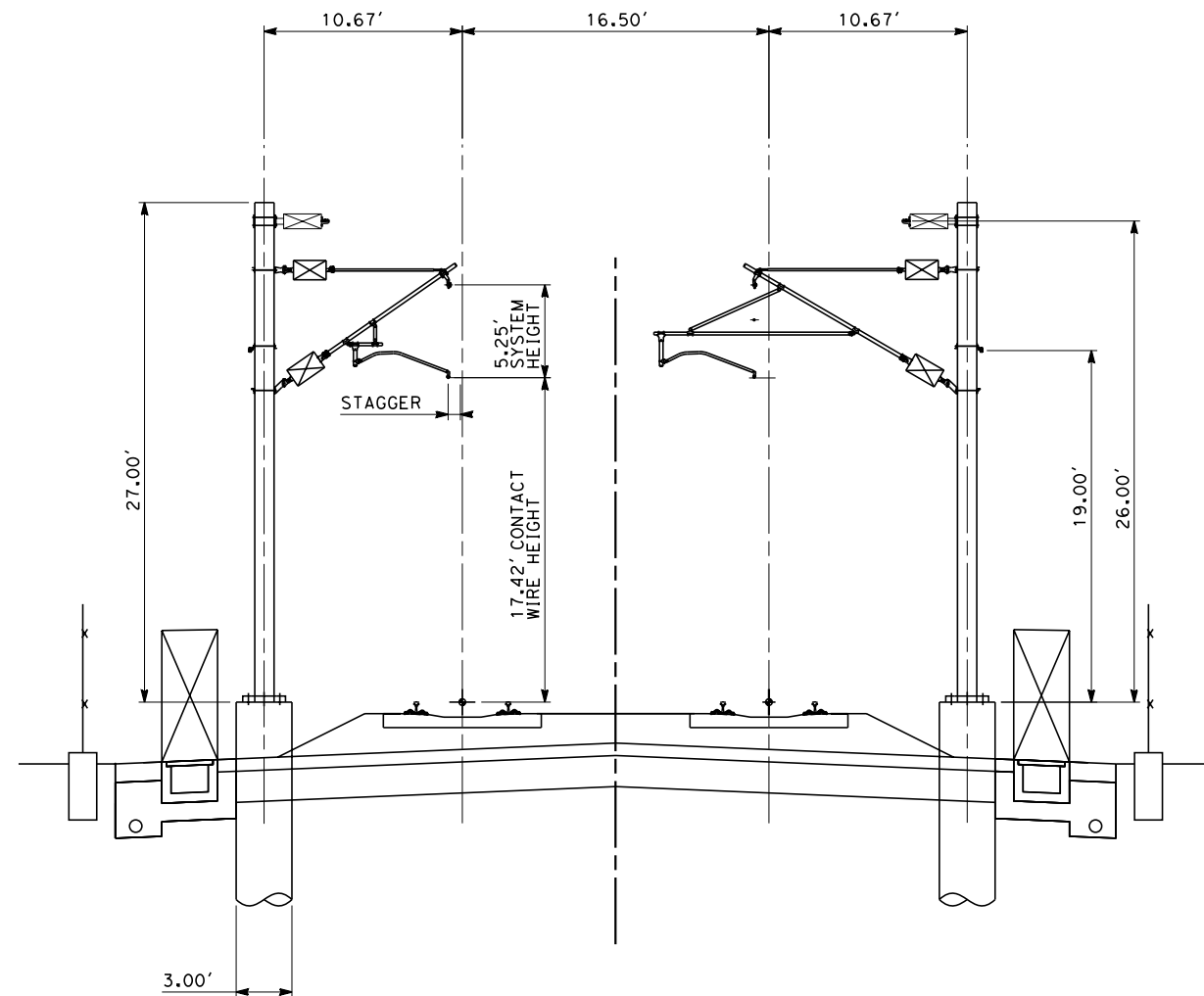
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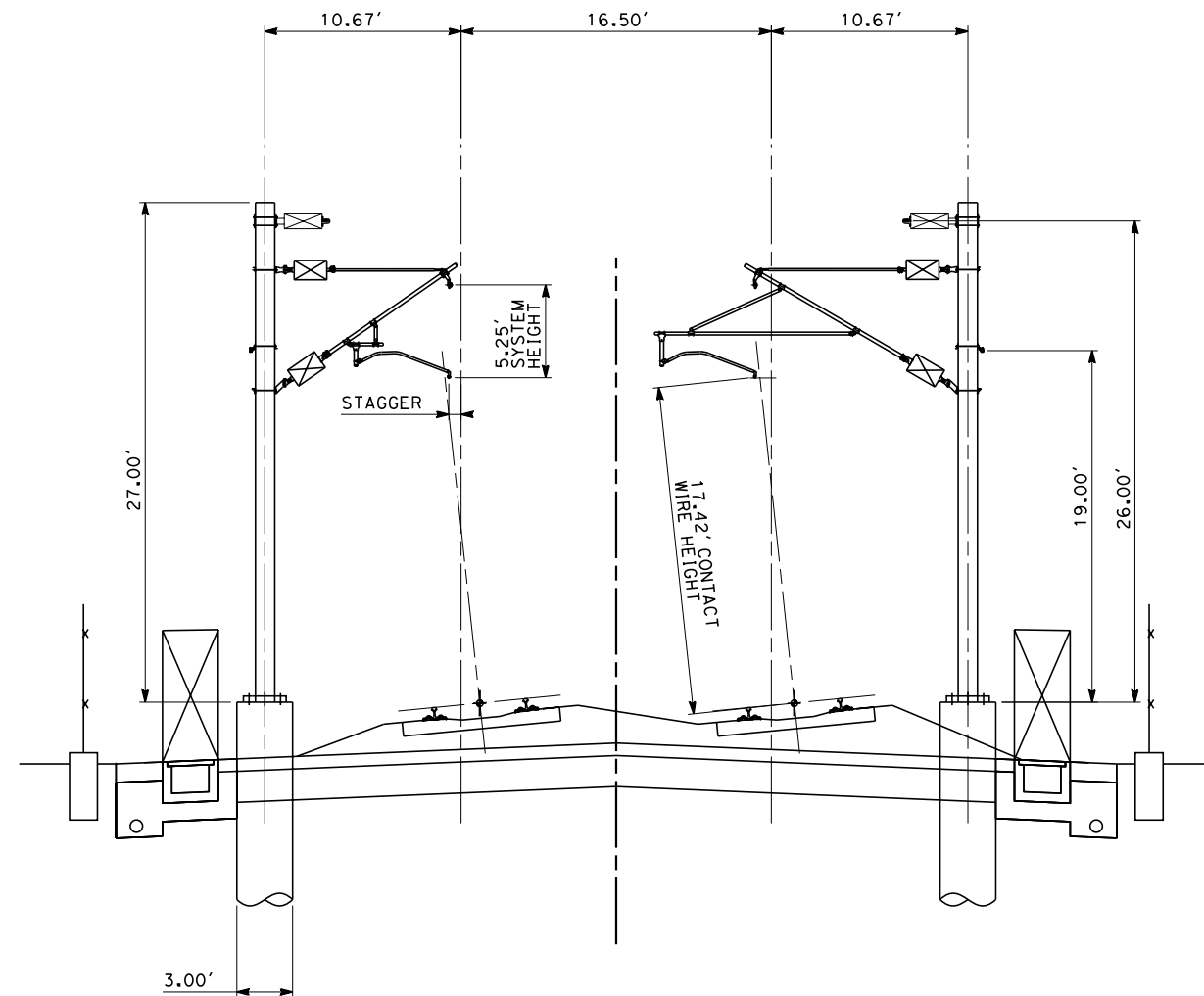
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15 OF 16

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TANGENT TRACK



CURVED SUPERELEVATED TRACK

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. OCS ARRANGEMENT AS SHOWN TO BE USED THROUGHOUT FRESNO TO BAKERSFIELD SECTION WHERE POSSIBLE. OTHER OCS ARRANGEMENTS SHOULD BE CONSIDERED INDICATIVE AND MAY NOT REFLECT CURRENT LAYOUTS
3. OCS ARRANGEMENTS TAKEN FROM TM 3.2.1 - OCS REQUIREMENTS. FINAL CANTILEVER CONFIGURATION AND OTHER SPECIFICATIONS TO BE DETERMINED.



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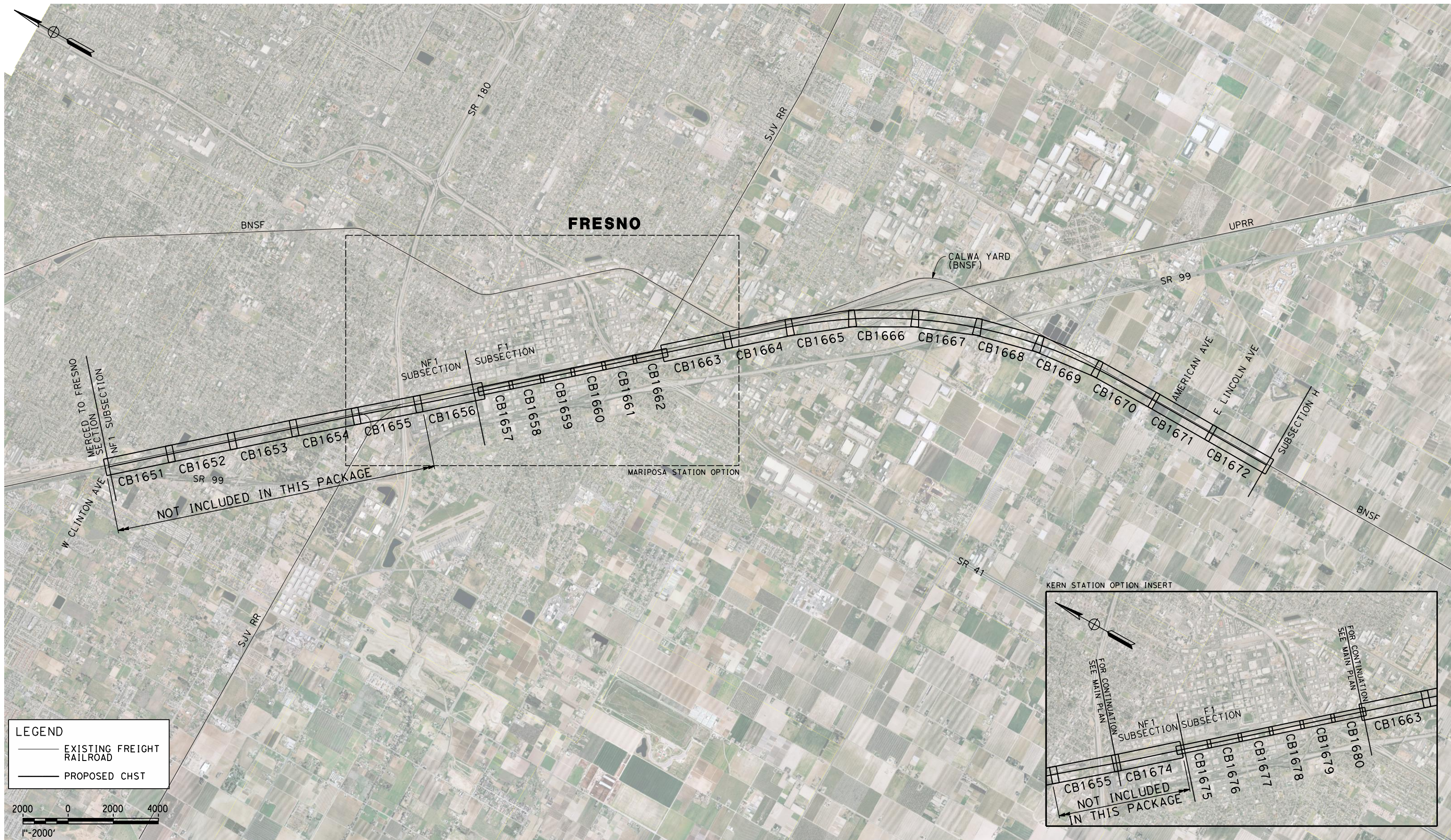
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
TYPICAL OCS CONFIGURATION

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

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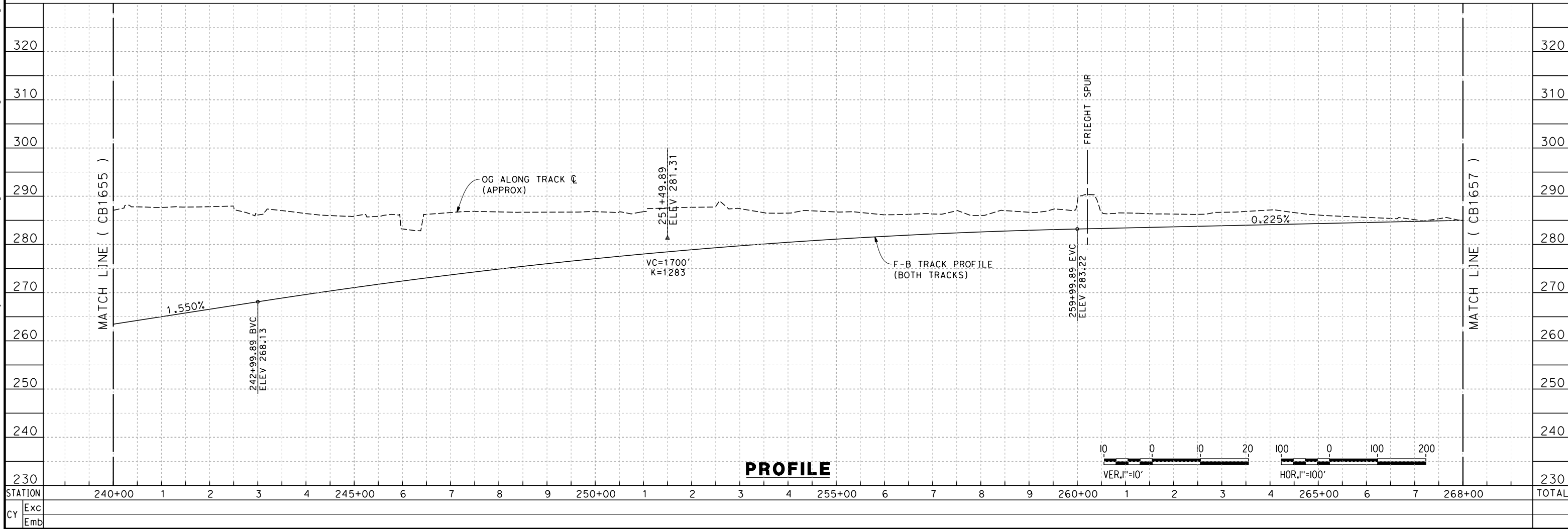
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
STA. 100+00 TO 634+32
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1650
SCALE
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SHEET NO.
1 OF 40

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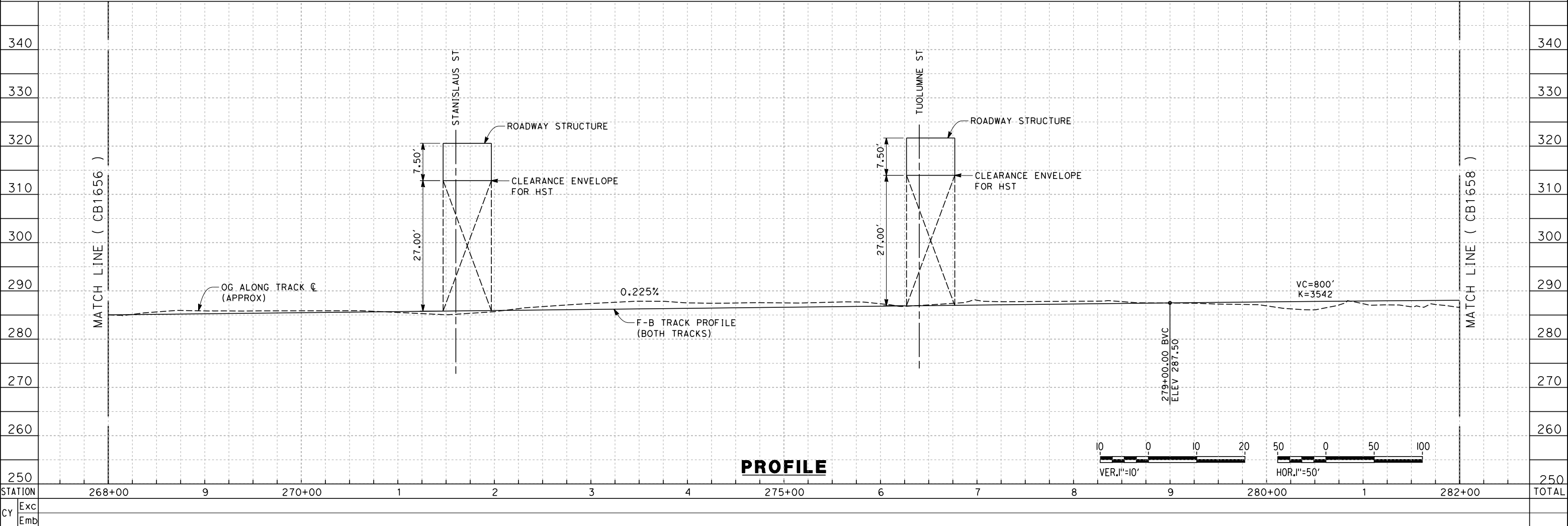
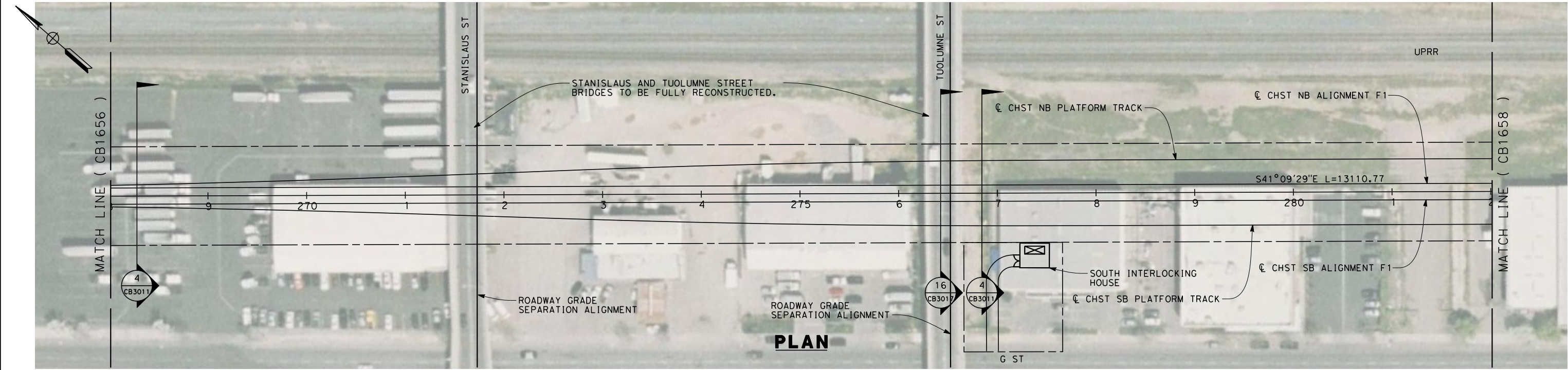
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
STA. 240+00 TO 268+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1656
SCALE
AS SHOWN
SHEET NO.
7 OF 40

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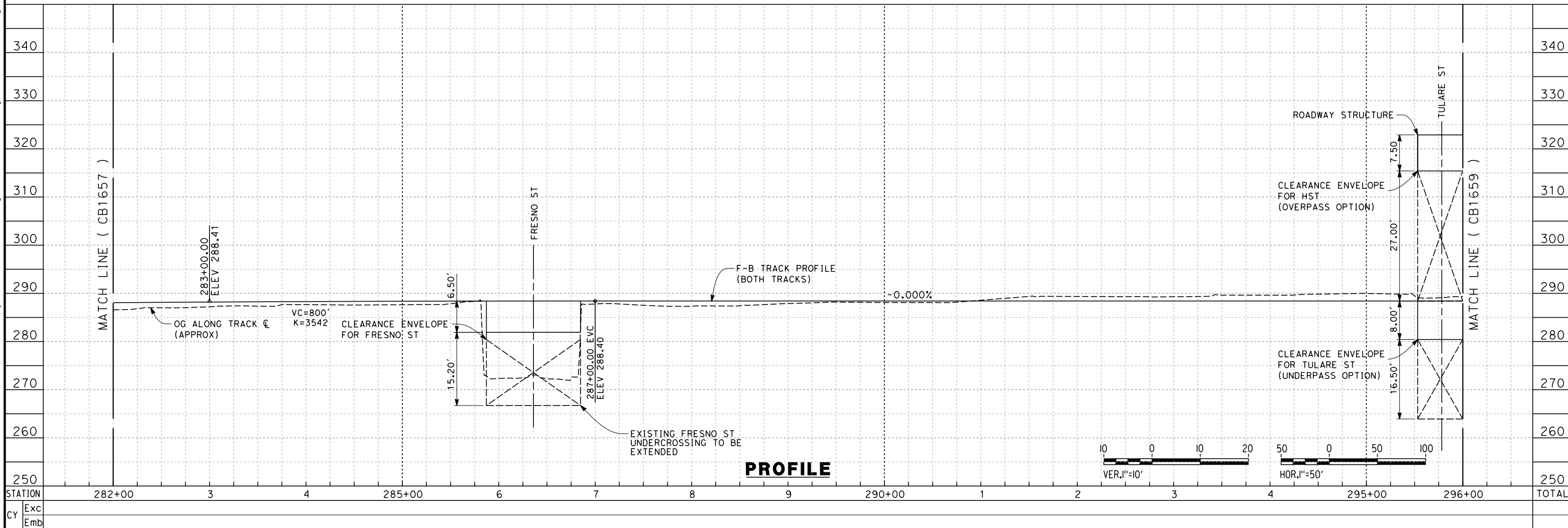
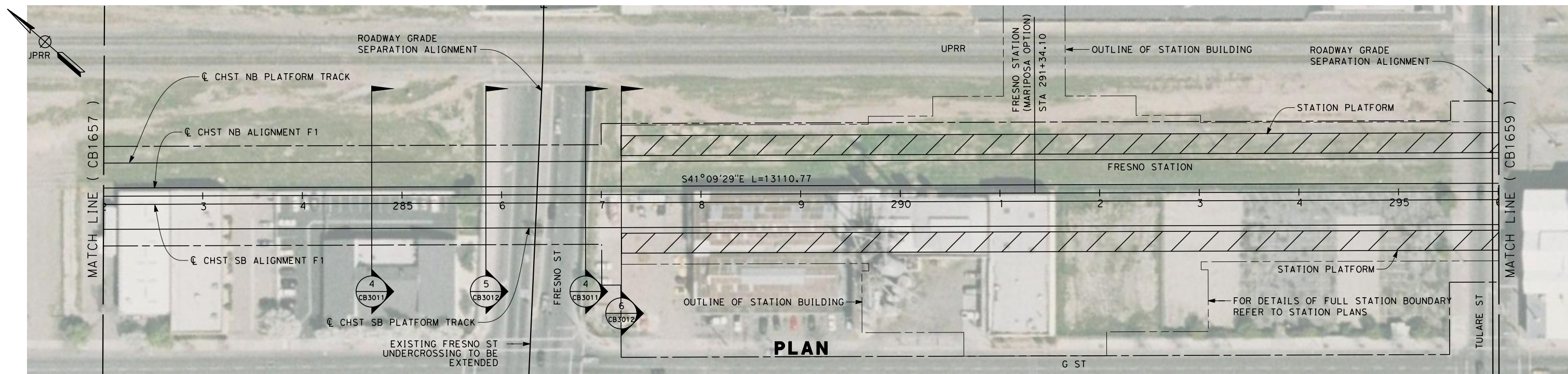
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
FRESNO SUBSECTION - MARIPOSA STATION
ALIGNMENT F1
STA. 268+00 TO 282+00
PLAN AND PROFILE

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CB1657
SCALE
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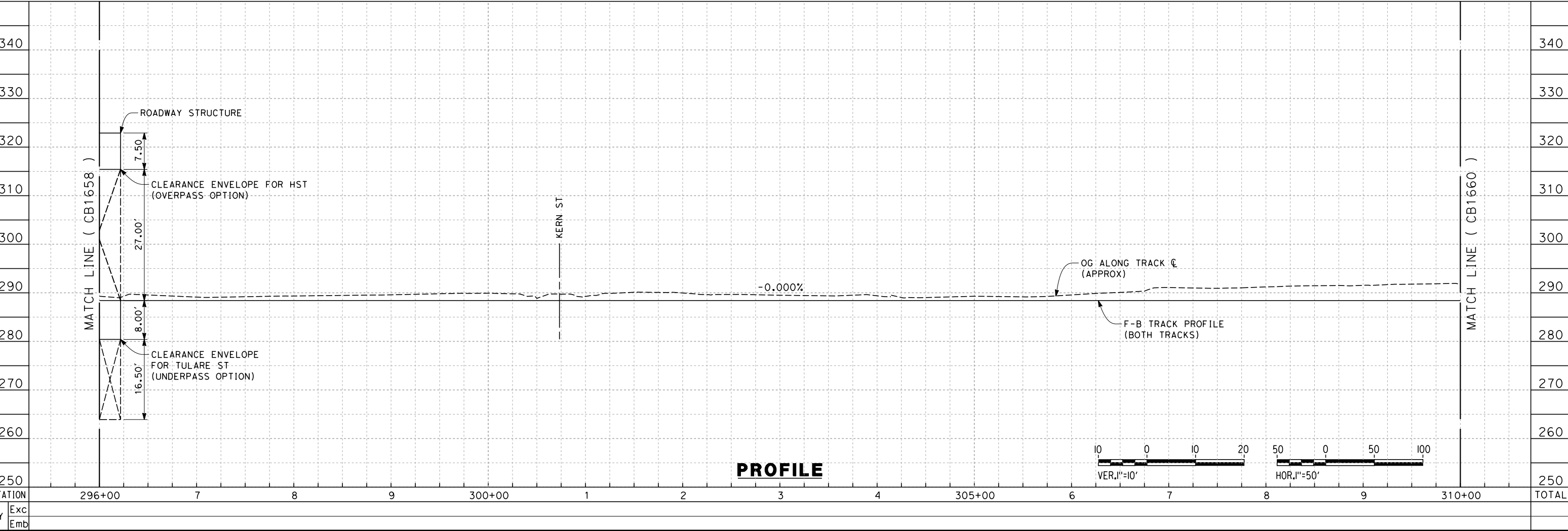
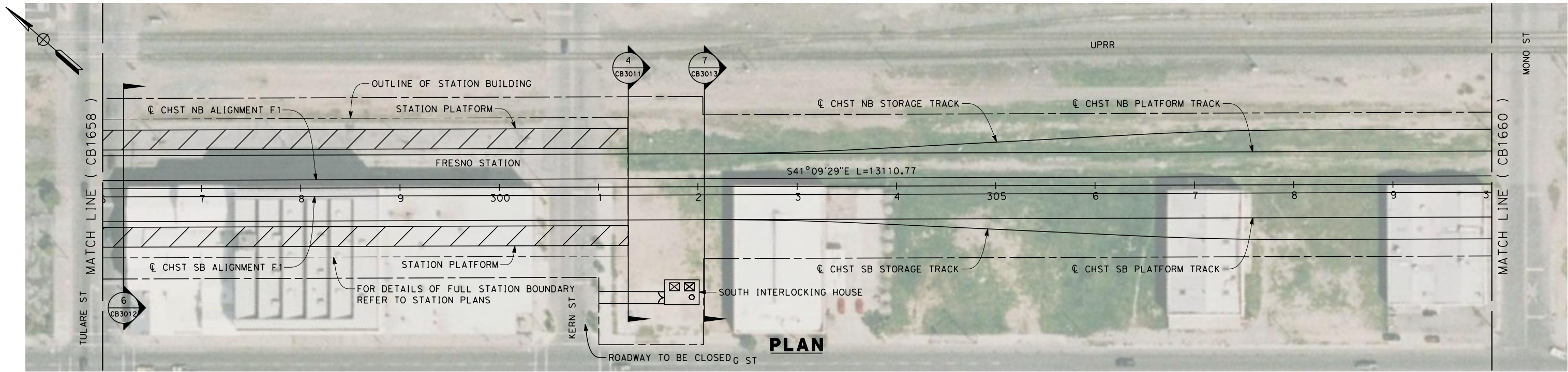


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1658
SCALE	AS SHOWN
SHEET NO.	9 OF 40

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DATE
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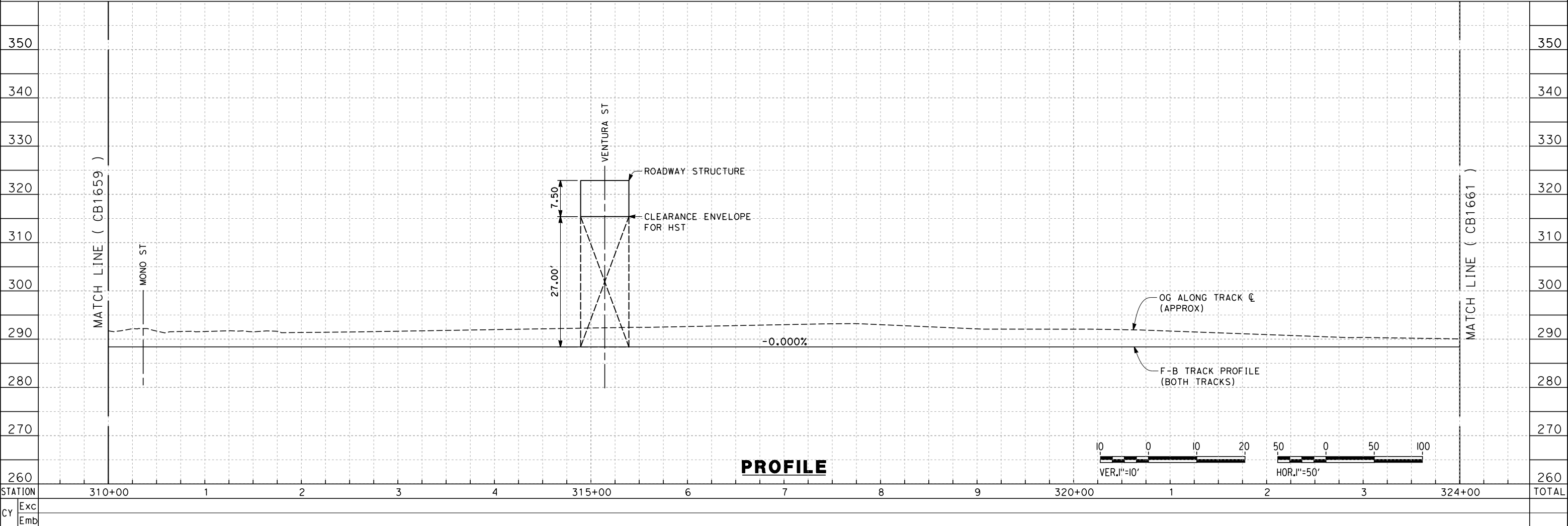
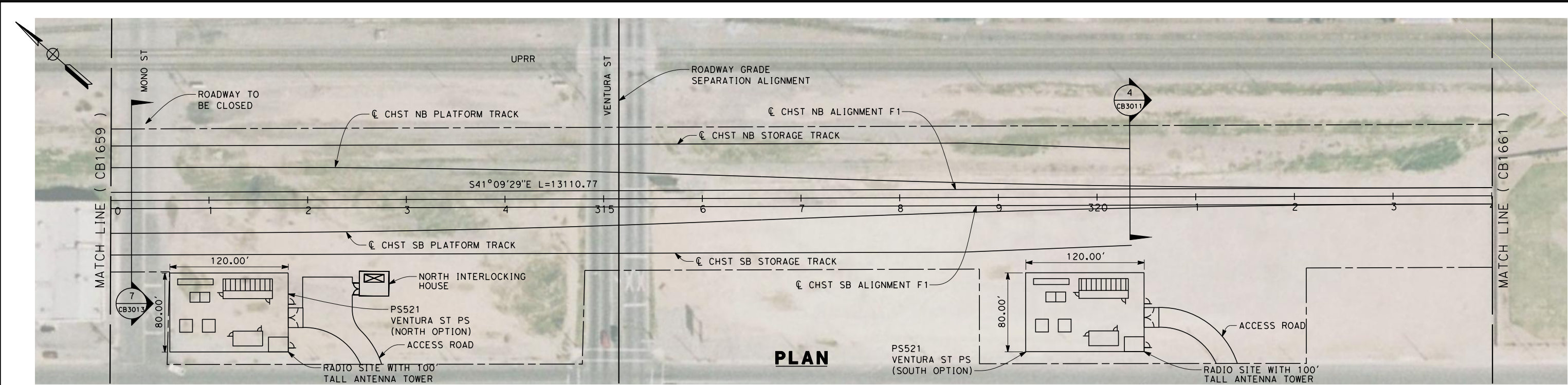
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION - MARIPOSA STATION
ALIGNMENT F1
STA. 296+00 TO 310+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1659
SCALE
AS SHOWN
SHEET NO.
10 OF 40

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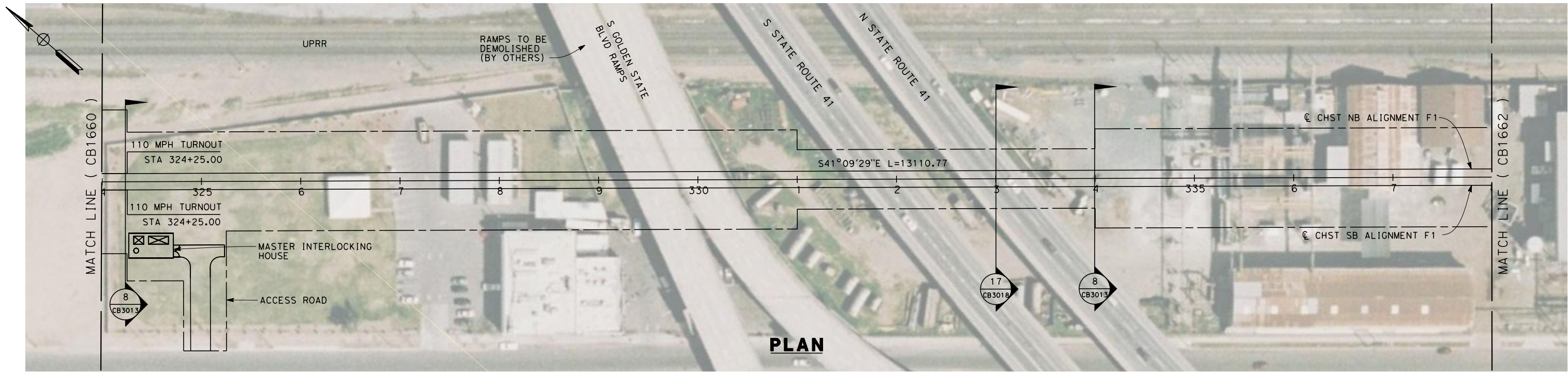
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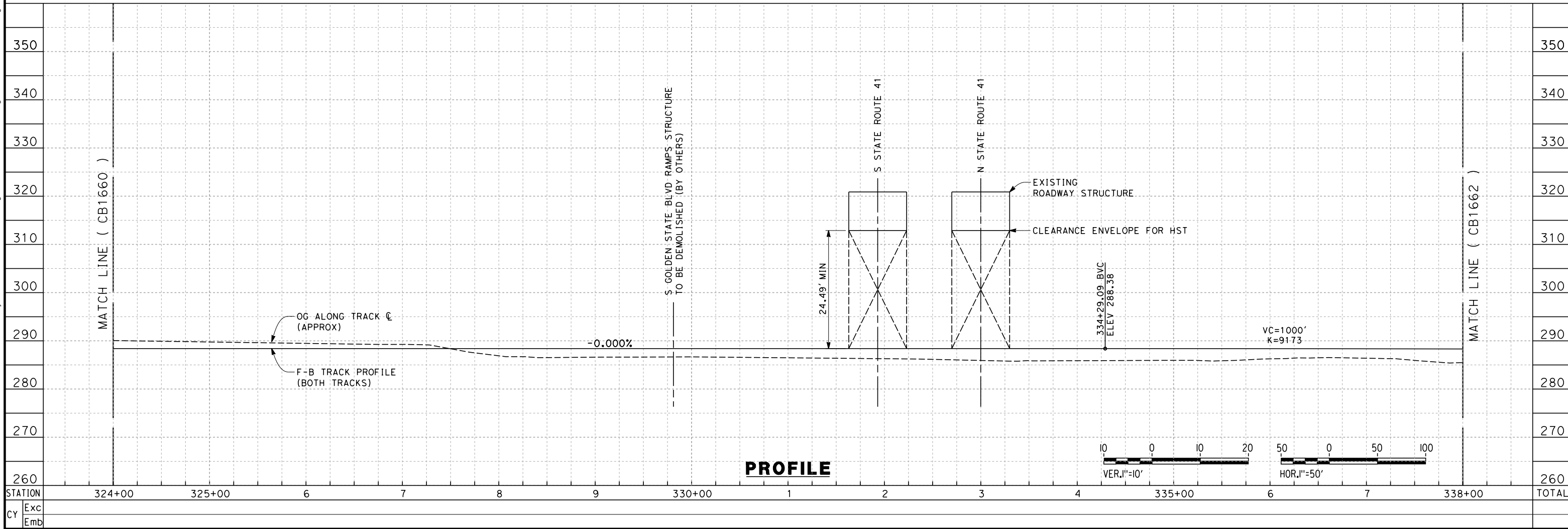
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION - MARIPOSA STATION
ALIGNMENT F1
STA. 310+00 TO 324+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1660
SCALE AS SHOWN
SHEET NO. 11 OF 40

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PROFILE

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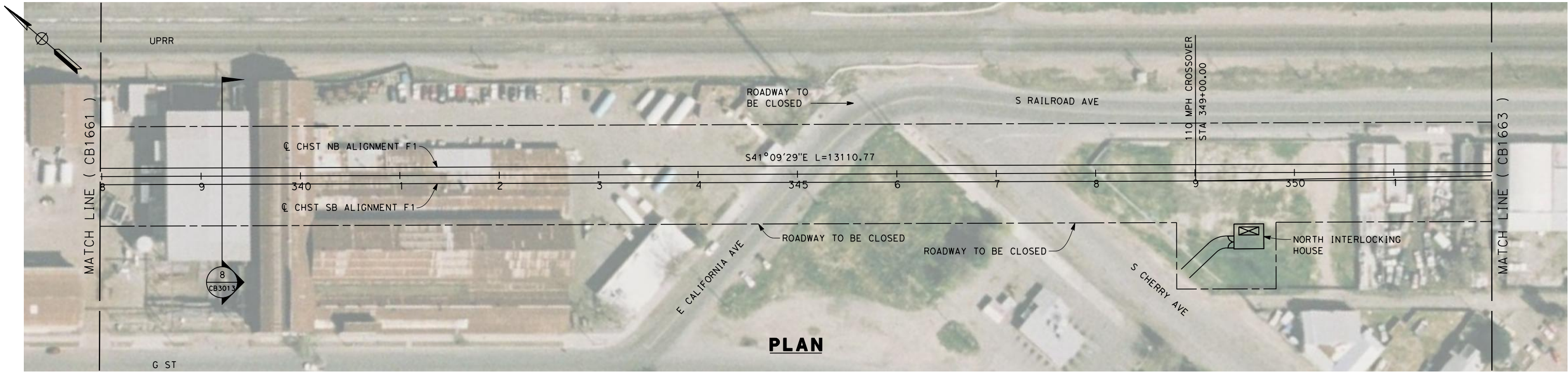
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION - MARIPOSA STATION
ALIGNMENT F1
STA. 324+00 TO 338+00
PLAN AND PROFILE

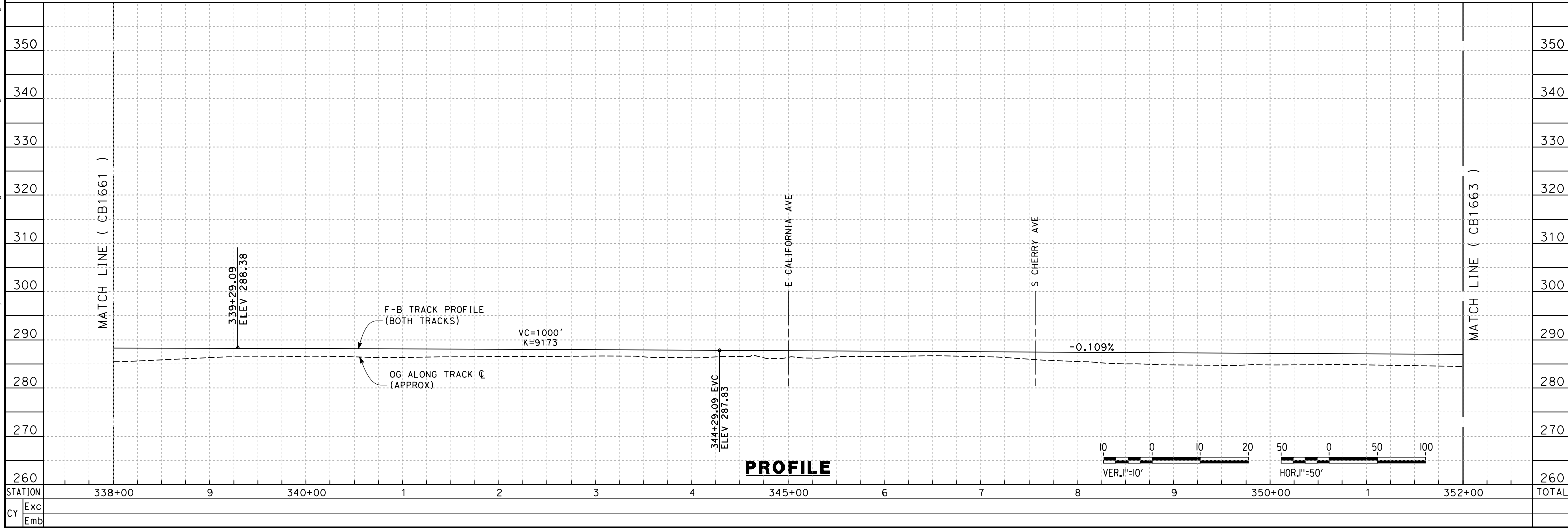
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DRAWING NO. CB1661
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SHEET NO. 12 OF 40

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PROFILE

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DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

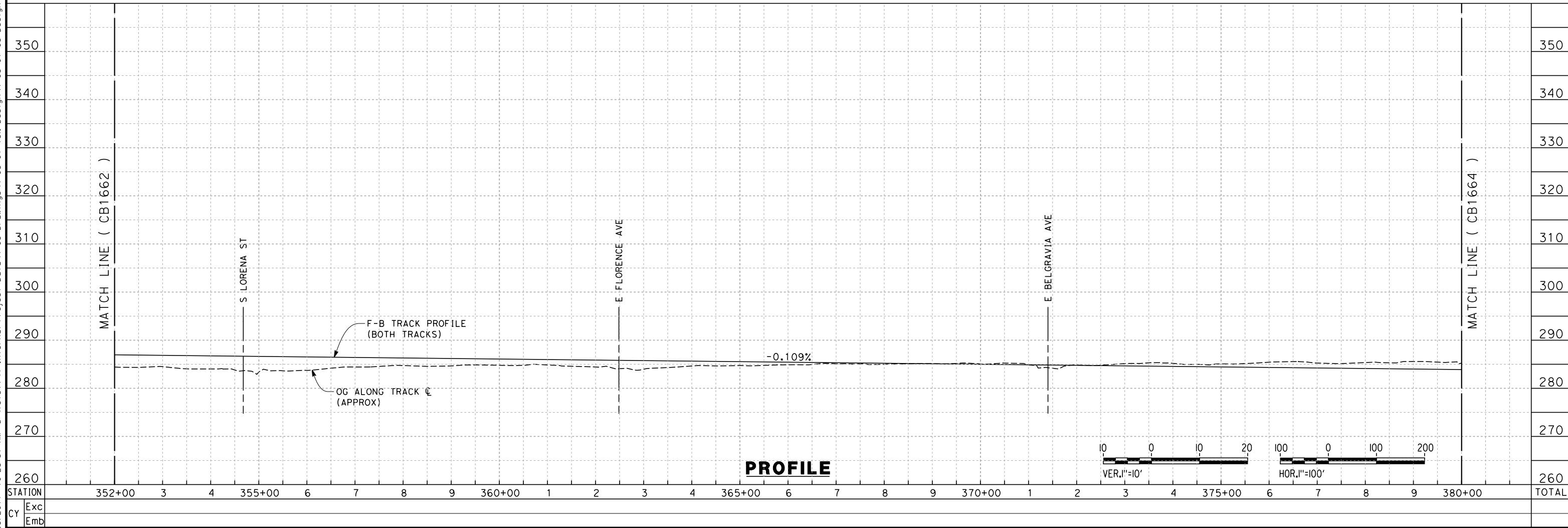
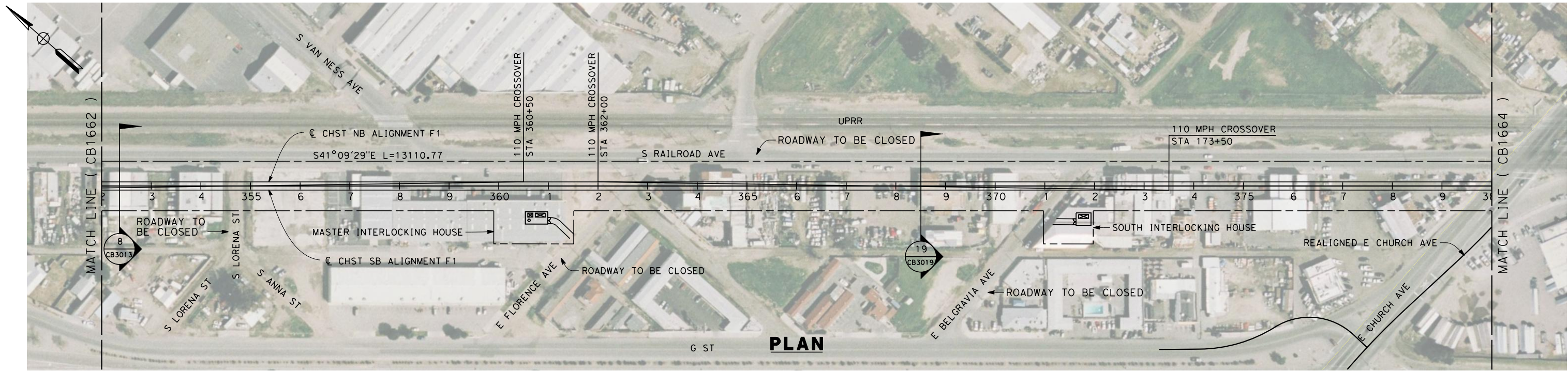


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1662
SCALE AS SHOWN
SHEET NO. 13 OF 40

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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 06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

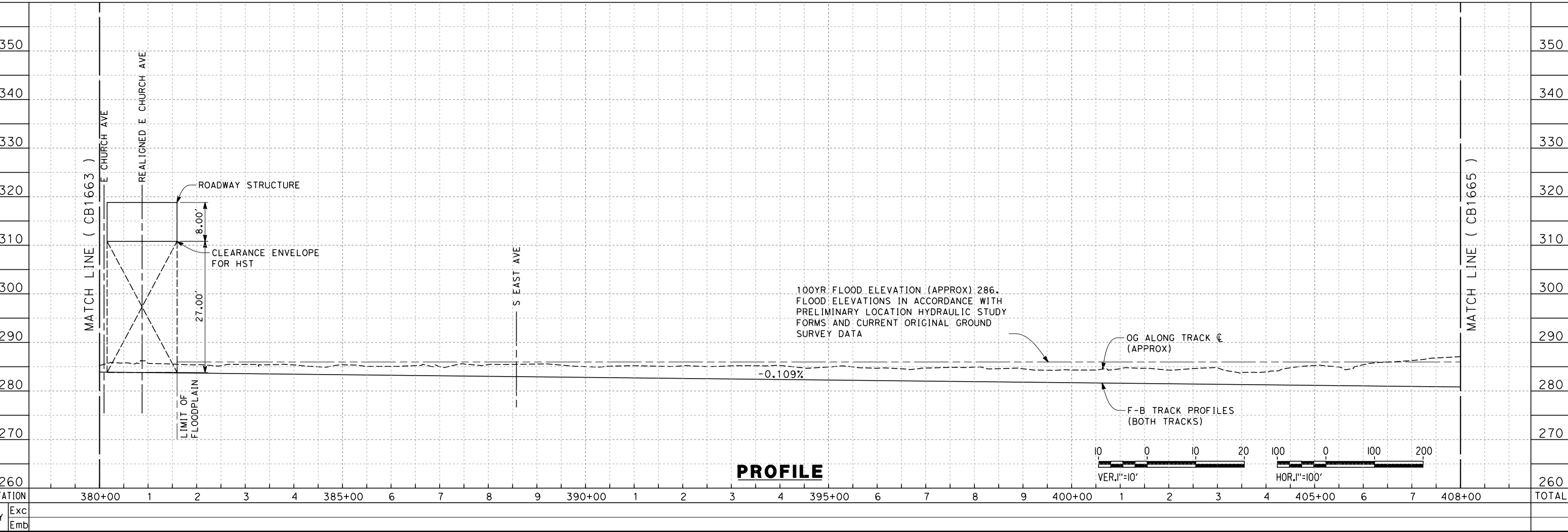
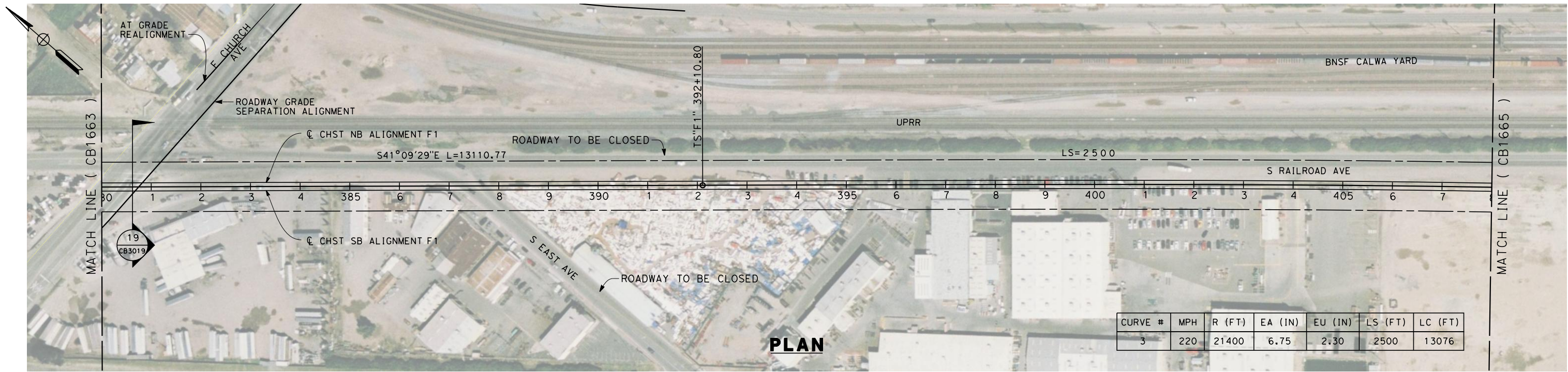


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION
ALIGNMENT F1
STA. 352+00 TO 380+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1663
SCALE AS SHOWN
SHEET NO. 14 OF 40

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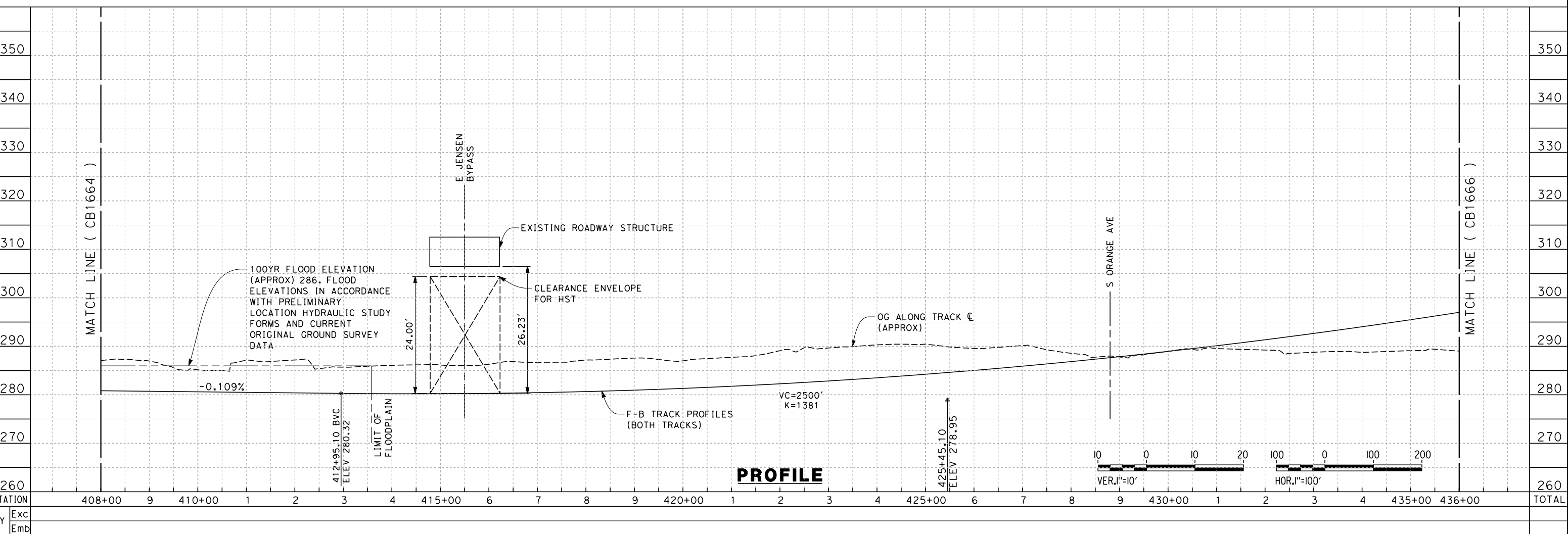
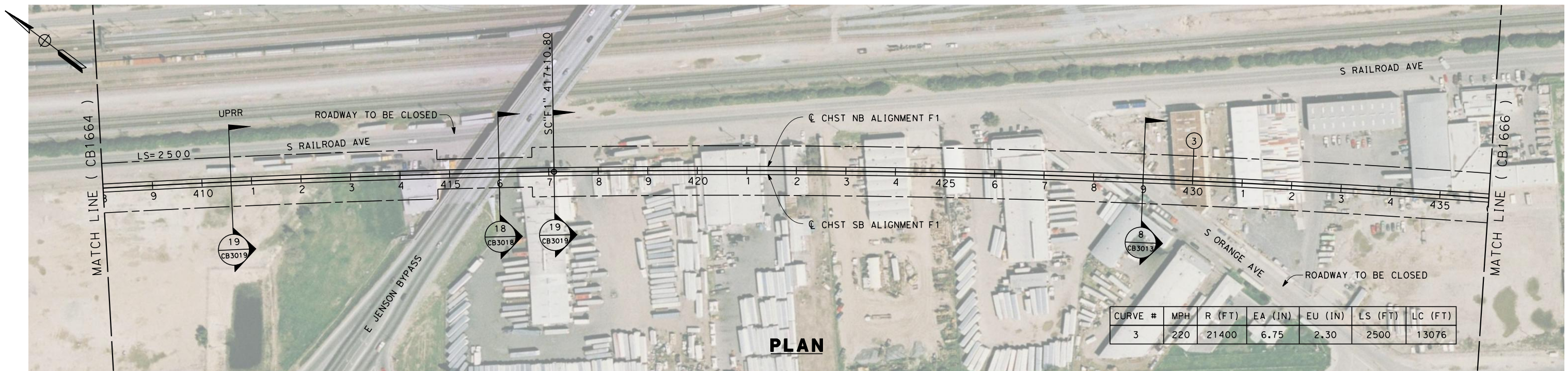


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION	 CALIFORNIA HIGH-SPEED TRAIN
DRAWN BY P. TONKIN		
CHECKED BY D. HUNT		
IN CHARGE A. LUFT		
DATE 06/30/11	NOT FOR CONSTRUCTION	

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD		CONTRACT NO. HSR 06-0003
FRESNO SUBSECTION ALIGNMENT F1 STA. 380+00 TO 408+00 PLAN AND PROFILE		DRAWING NO. CB1664
		SCALE AS SHOWN
		SHEET NO. 15 OF 40

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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
06/30/11

RECORD SET 15%
DESIGN SUBMISSION

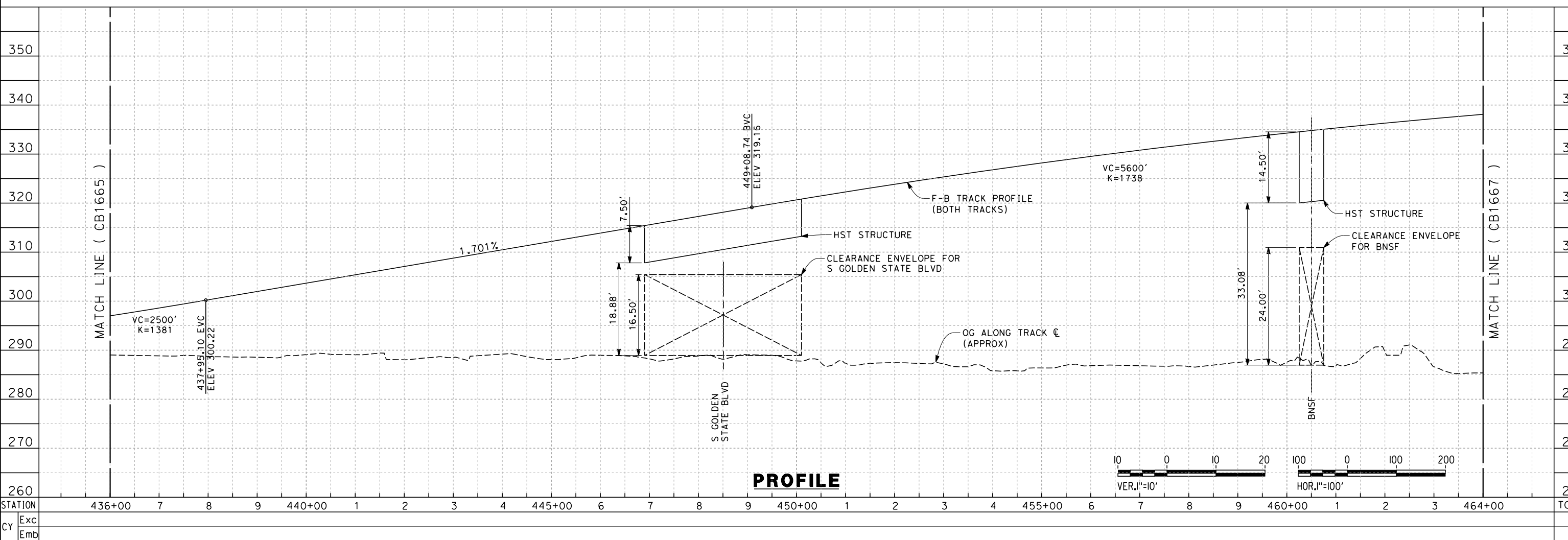
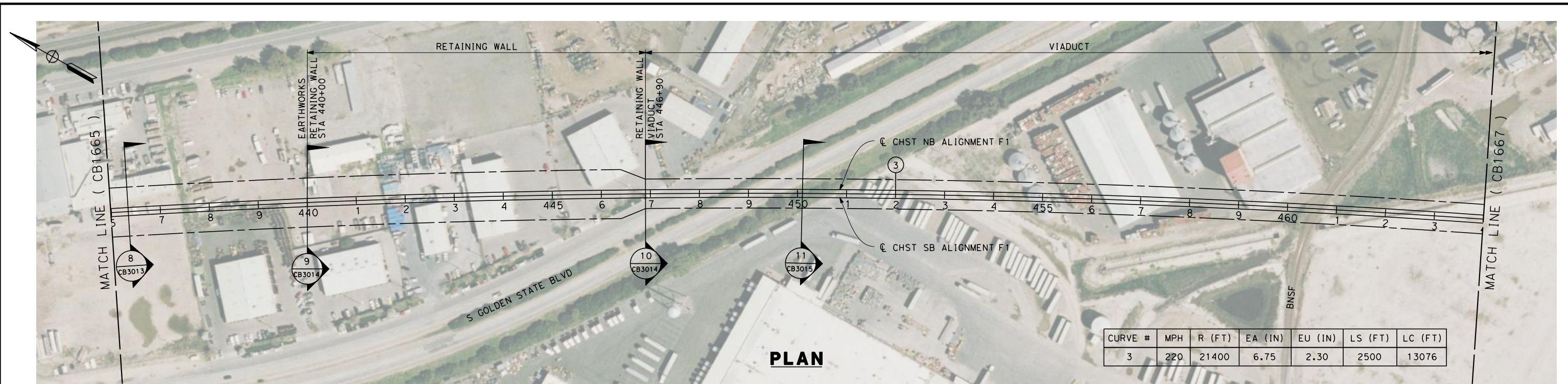
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
STA. 408+00 TO 436+00
PLAN AND PROFILE

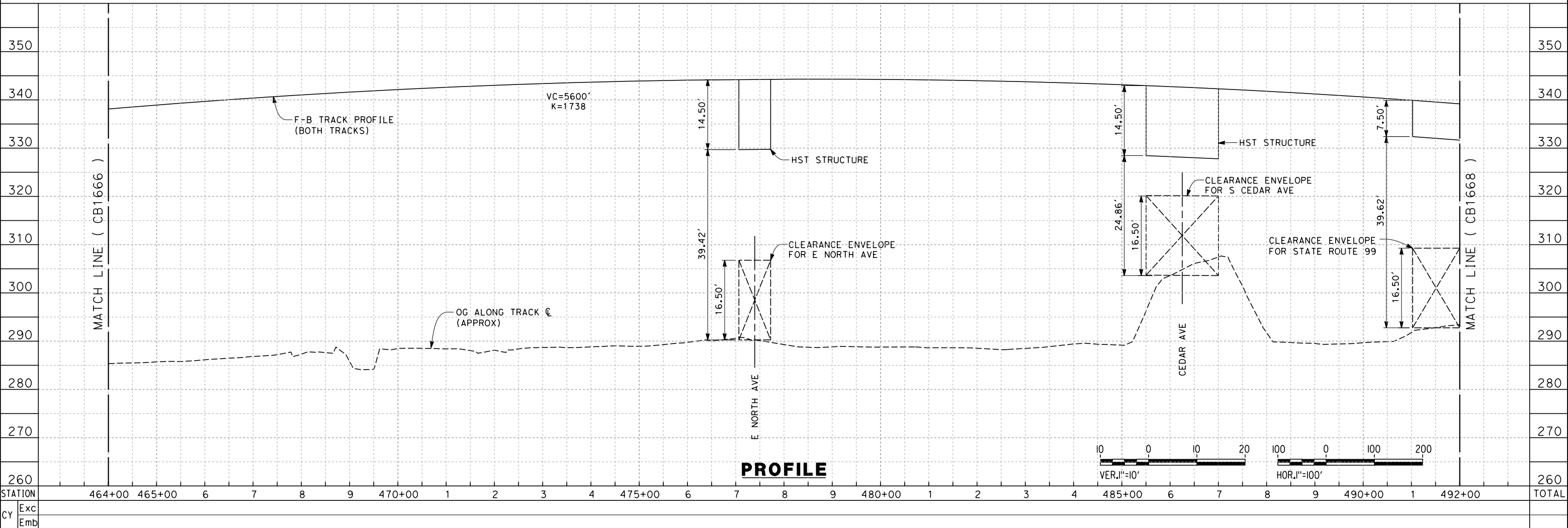
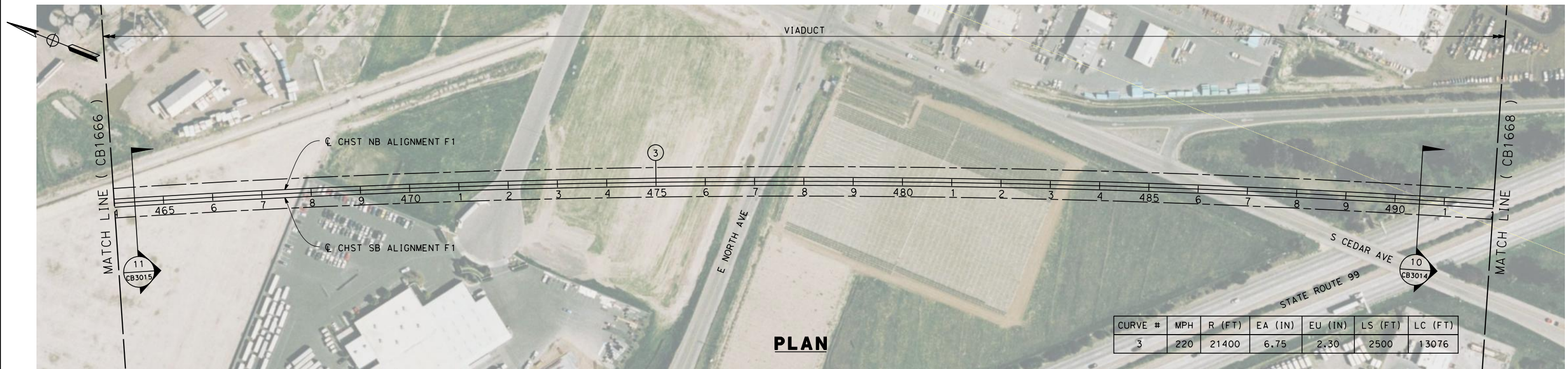
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HSR 06-0003
DRAWING NO.
CB1665
SCALE
AS SHOWN
SHEET NO.
16 OF 40

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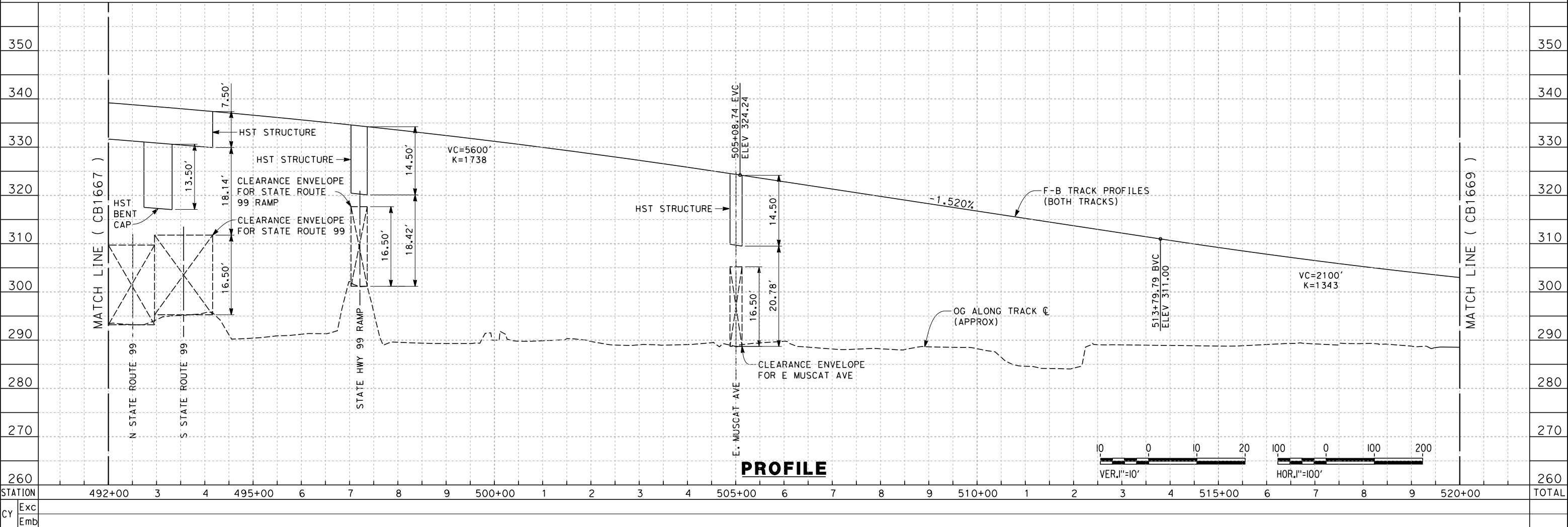
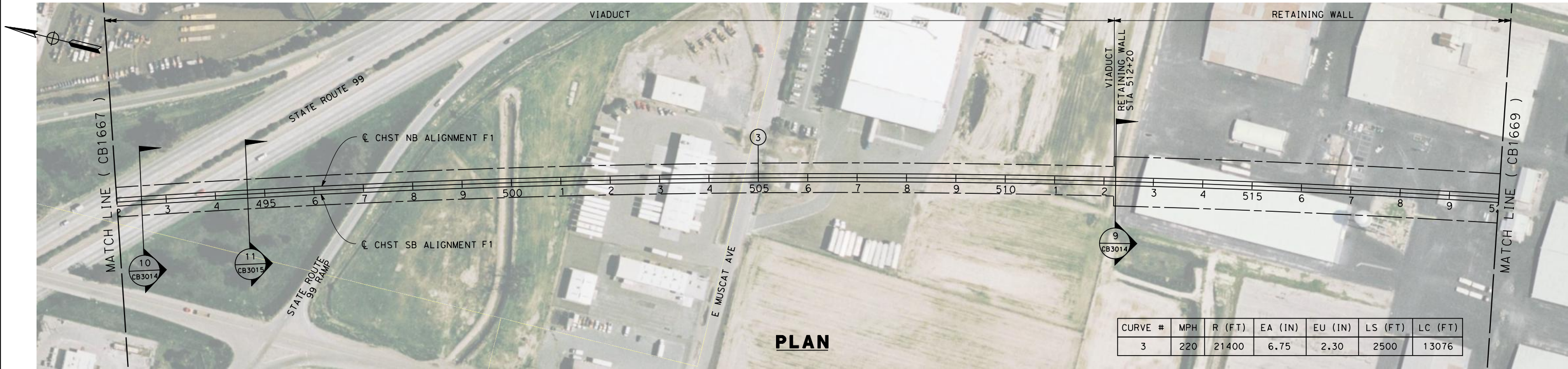
DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION ALIGNMENT F1 STA. 436+00 TO 464+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1666
						SCALE AS SHOWN			
						SHEET NO. 17 OF 40			

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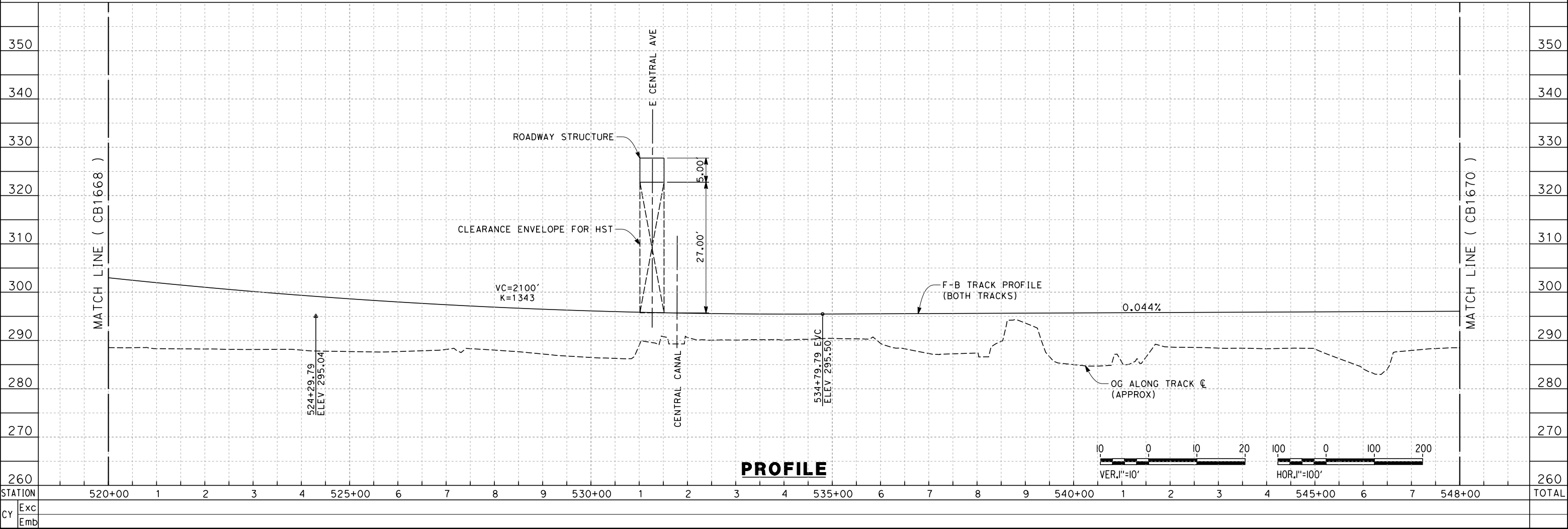
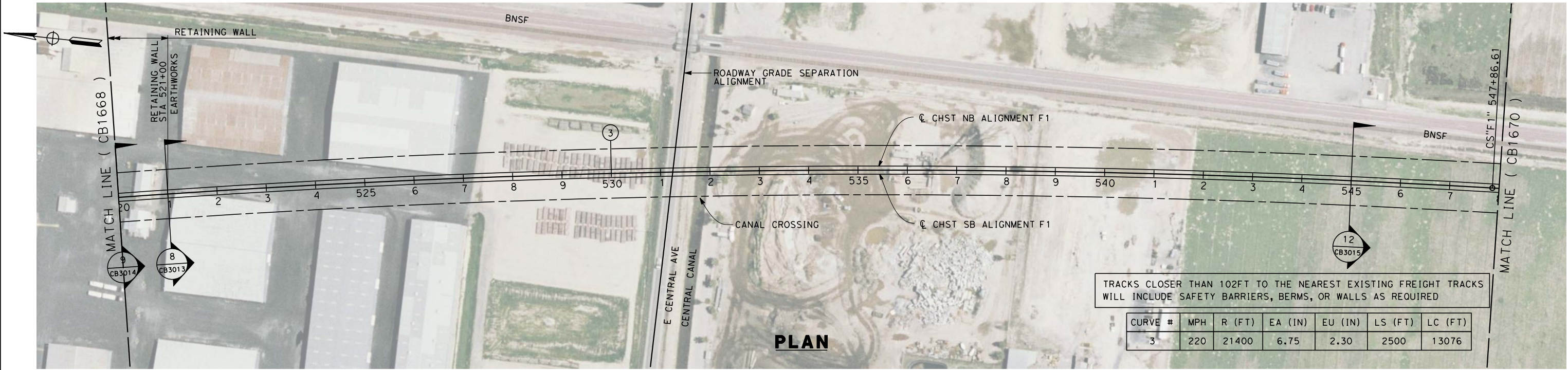
DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION ALIGNMENT F1 STA. 464+00 TO 492+00 PLAN AND PROFILE				CONTRACT NO. HSR 06-0003 DRAWING NO. CB1667 SCALE AS SHOWN SHEET NO. 18 OF 40	
REV	DATE	BY	CHK	APP	DESCRIPTION												

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION ALIGNMENT F1 STA. 492+00 TO 520+00 PLAN AND PROFILE				CONTRACT NO. HSR 06-0003 DRAWING NO. CB1668 SCALE AS SHOWN SHEET NO. 19 OF 40	
REV	DATE	BY	CHK	APP	DESCRIPTION												

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

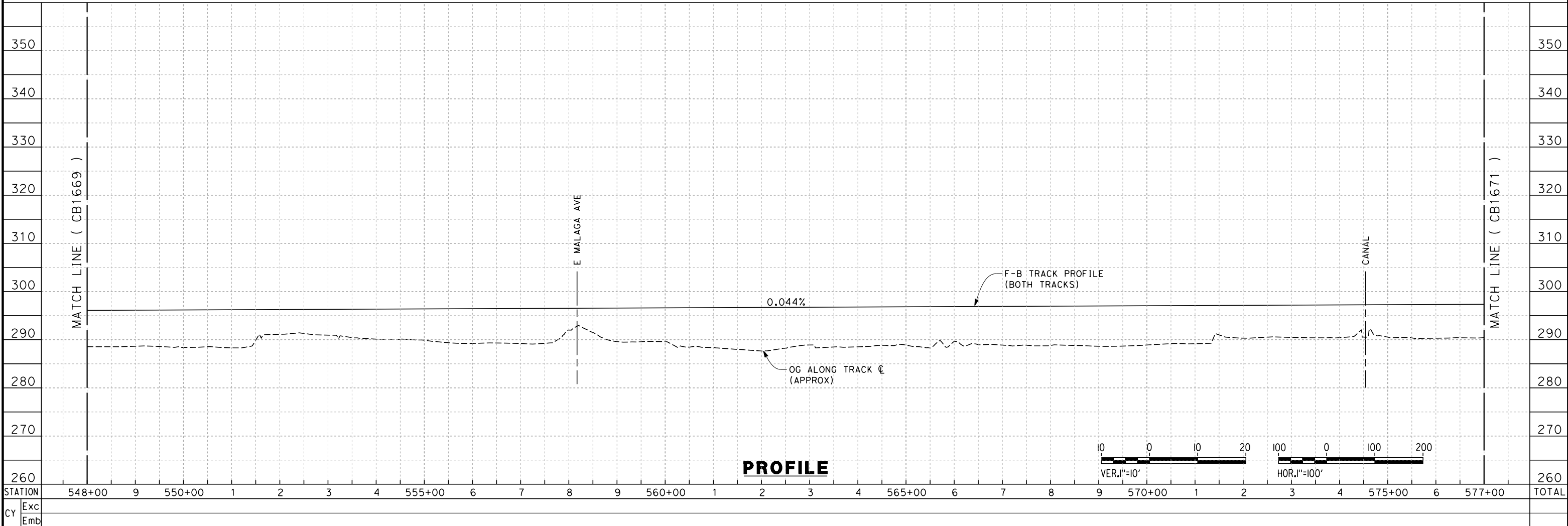
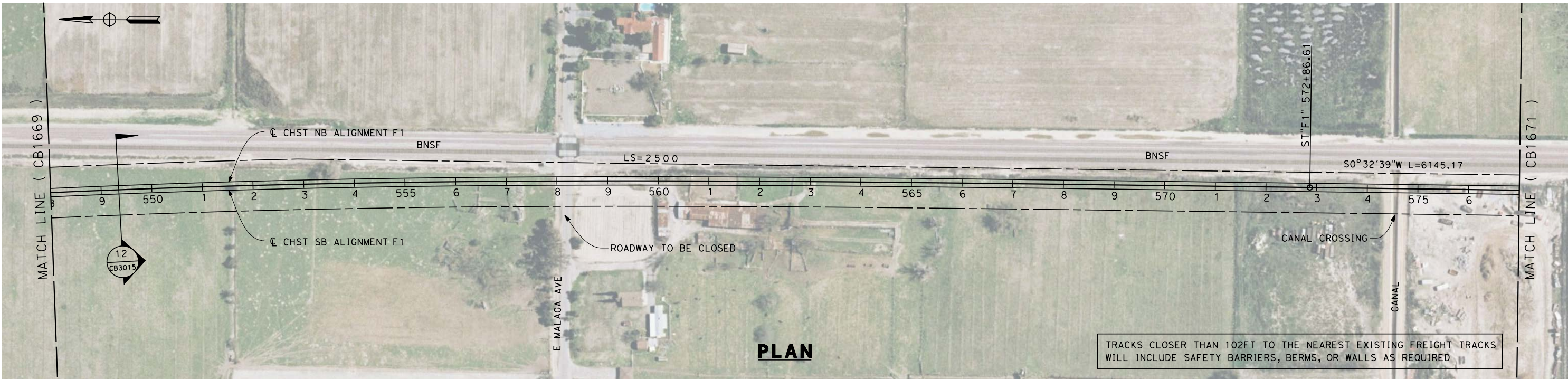


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
STA. 520+00 TO 548+00
PLAN AND PROFILE

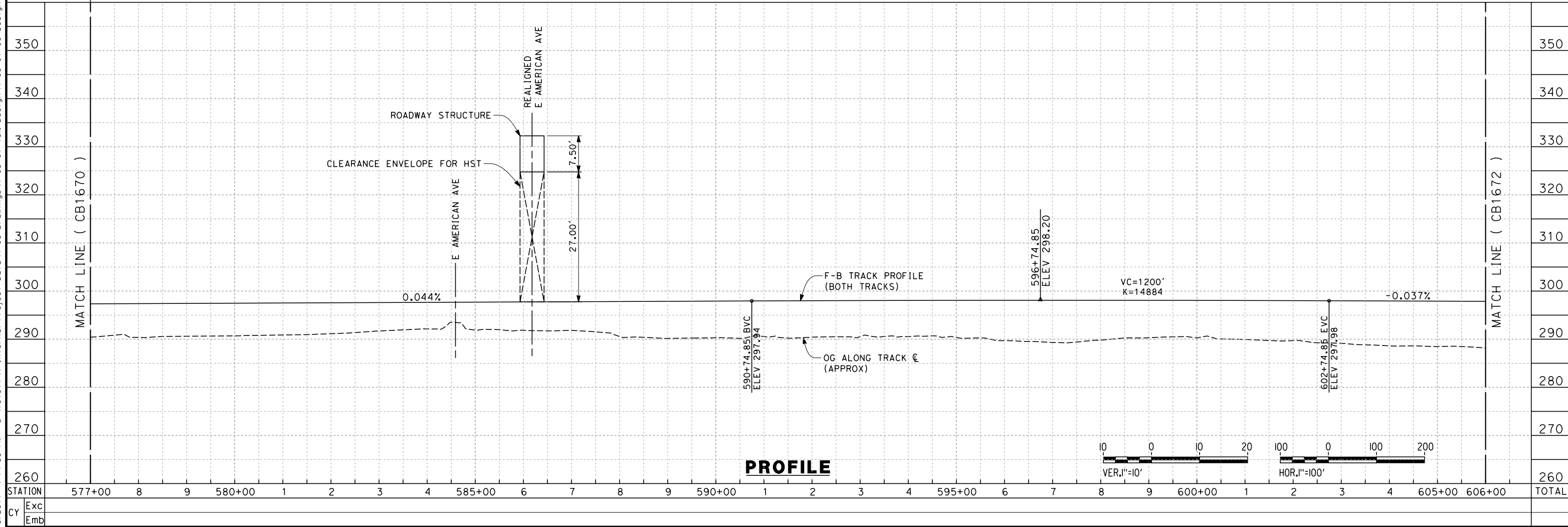
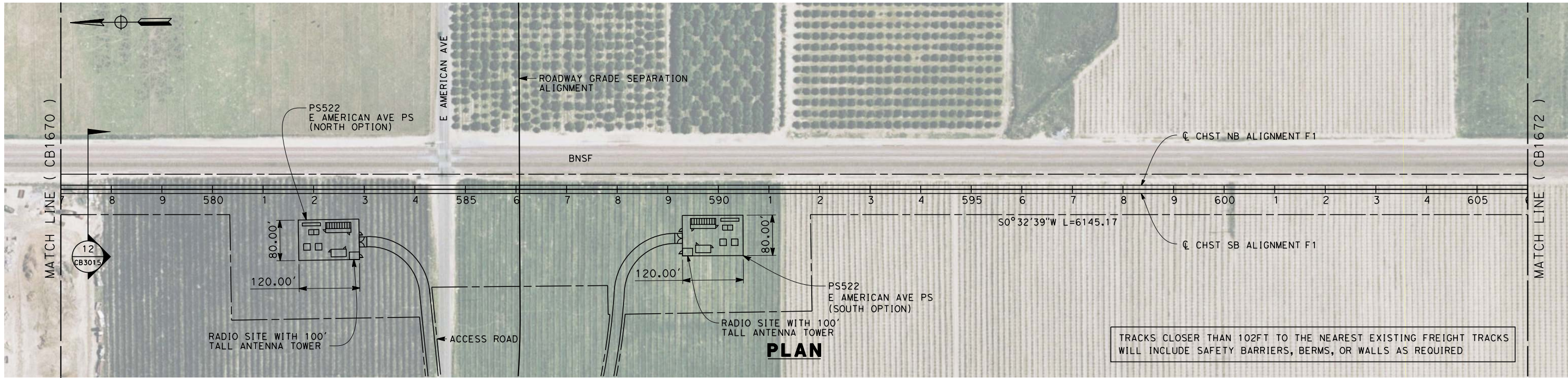
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1669
SCALE
AS SHOWN
SHEET NO.
20 OF 40

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						DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION ALIGNMENT F1 STA. 548+00 TO 577+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003
					DRAWN BY P. TONKIN	DRAWING NO. CB1670					
					CHECKED BY D. HUNT	SCALE AS SHOWN					
					IN CHARGE A. LUFT	SHEET NO. 21 OF 40					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11					

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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 06/30/11

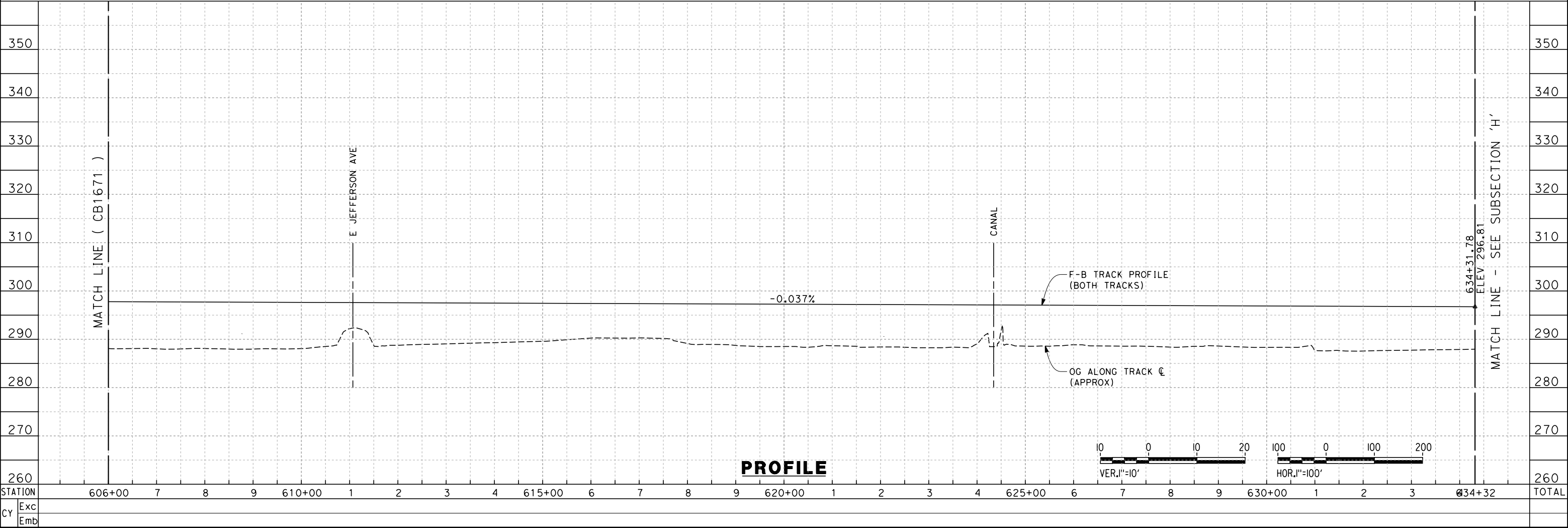
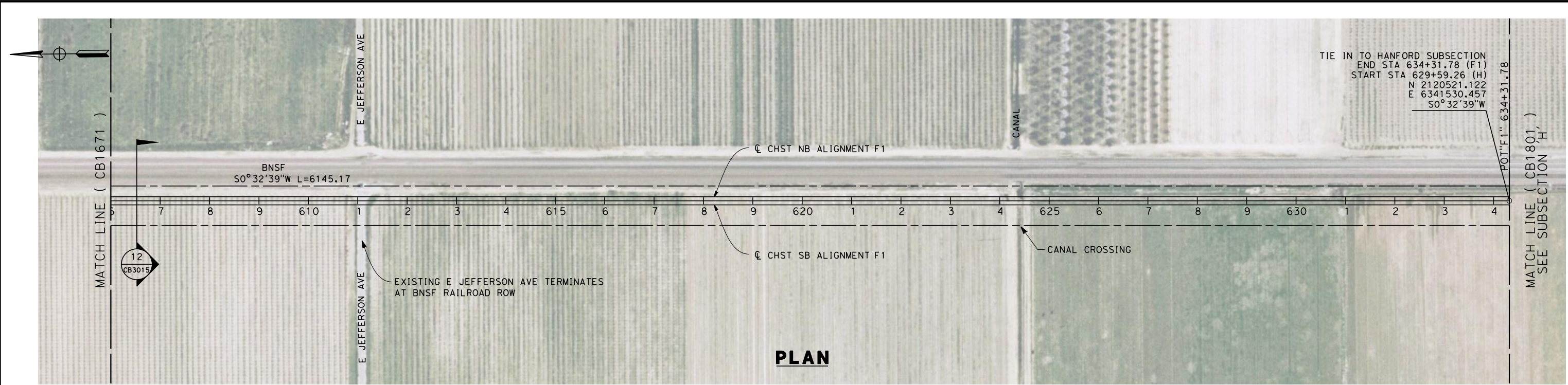
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
FRESNO SUBSECTION ALIGNMENT F1 STA. 577+00 TO 606+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1671
SCALE AS SHOWN
SHEET NO. 22 OF 40

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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 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

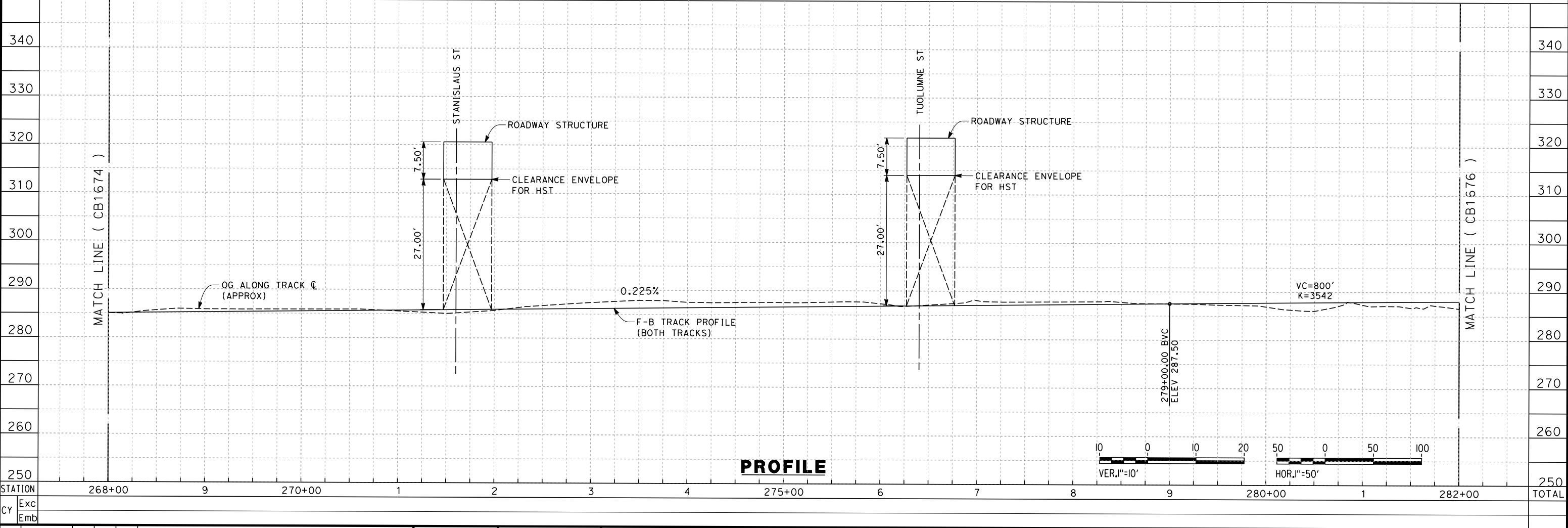
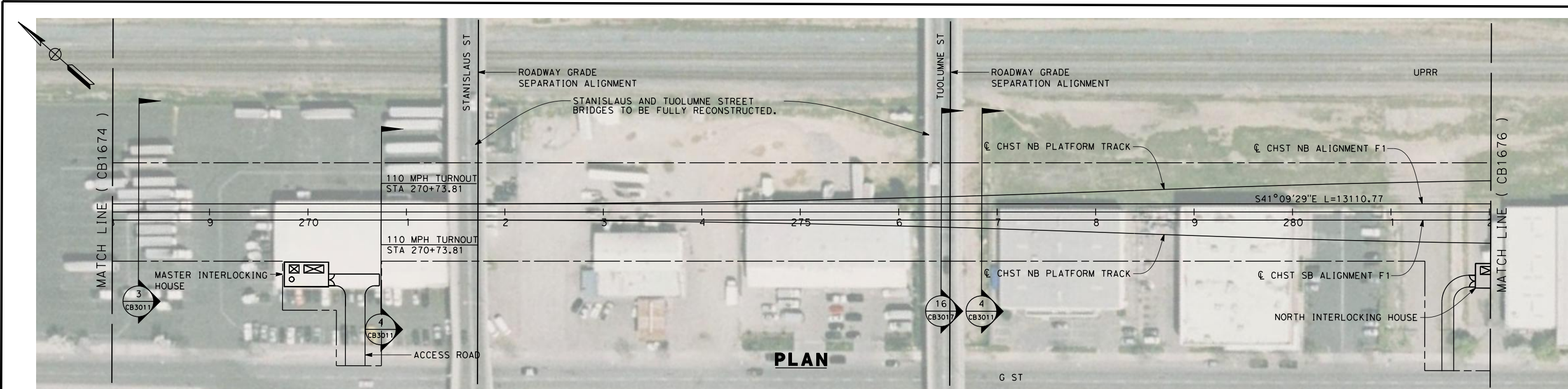


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

FRESNO SUBSECTION
ALIGNMENT F1
STA. 606+00 TO 634+32
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1672
SCALE AS SHOWN
SHEET NO. 23 OF 40

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

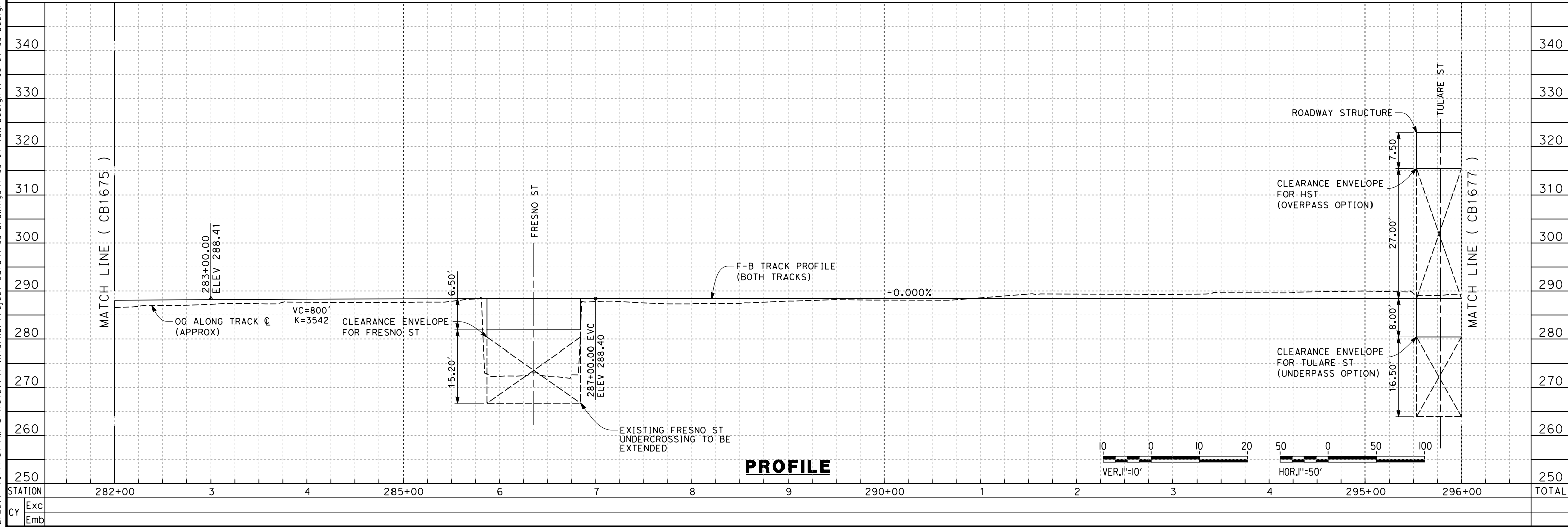
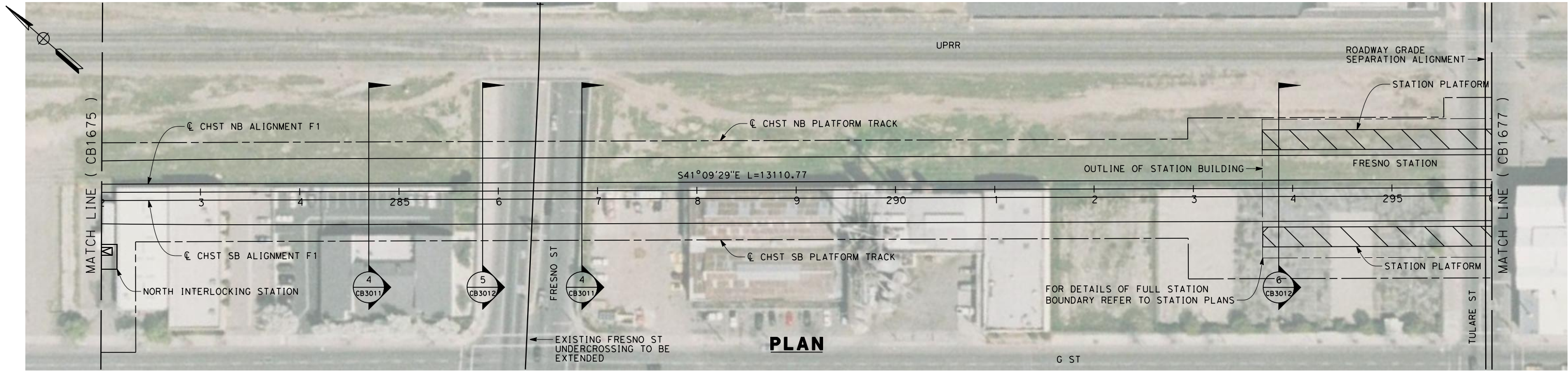


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1675
SCALE
AS SHOWN
SHEET NO.
25 OF 40

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

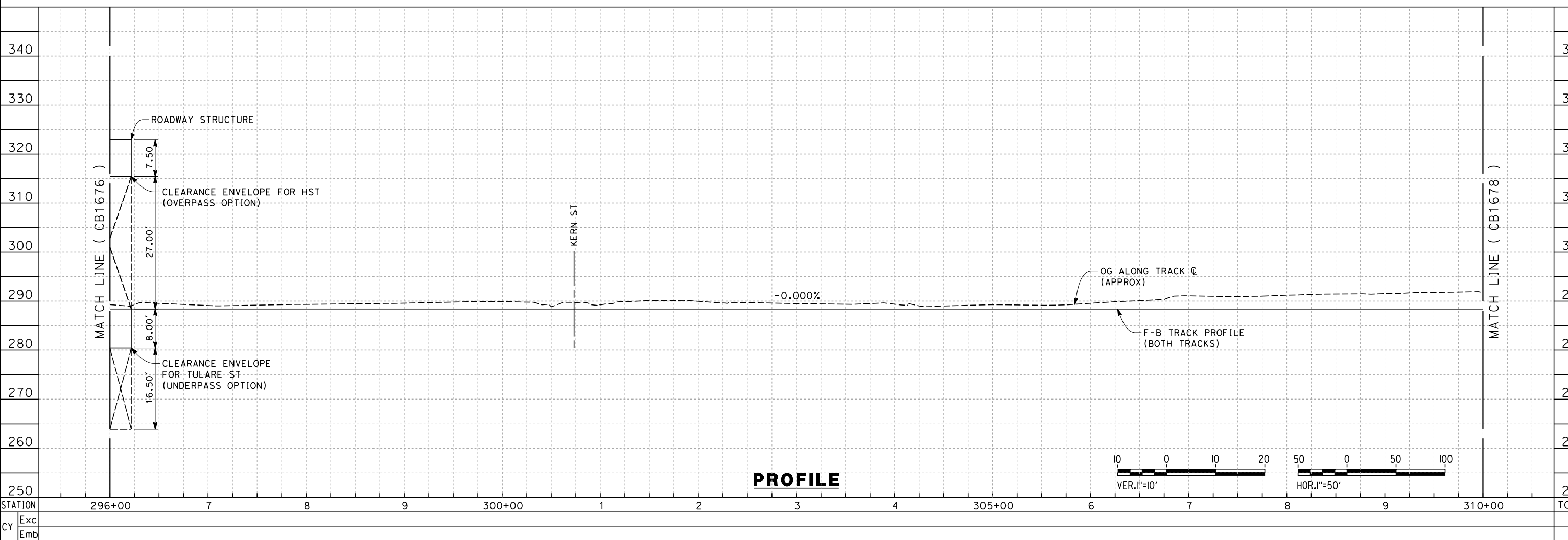
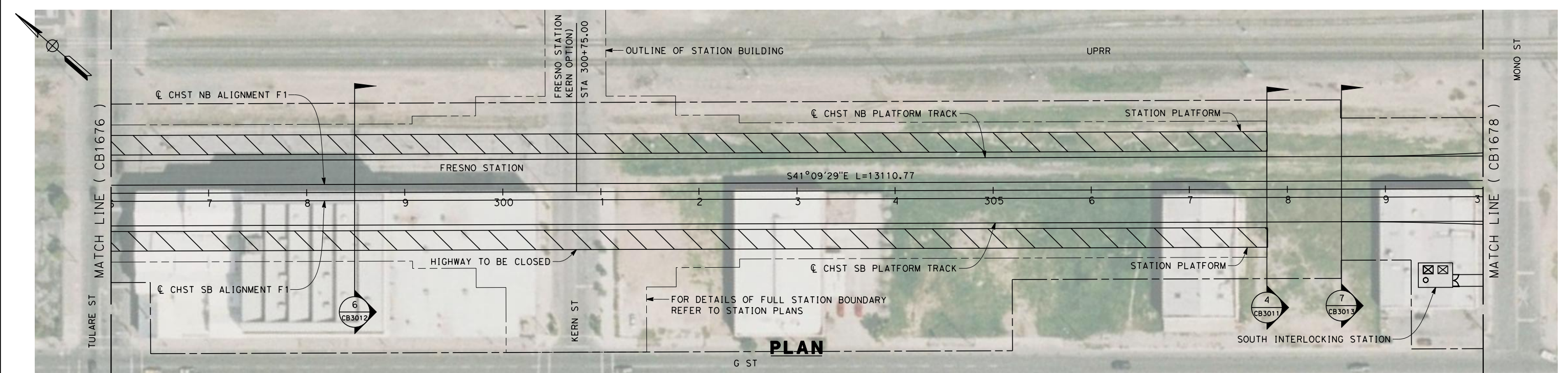


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

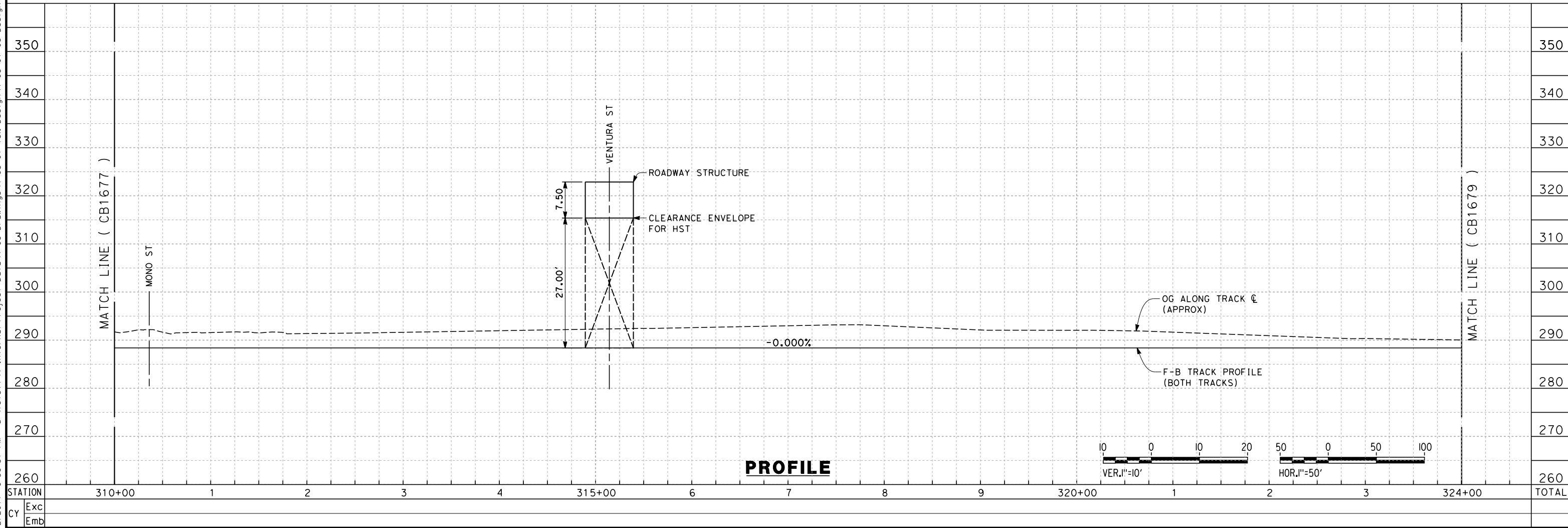
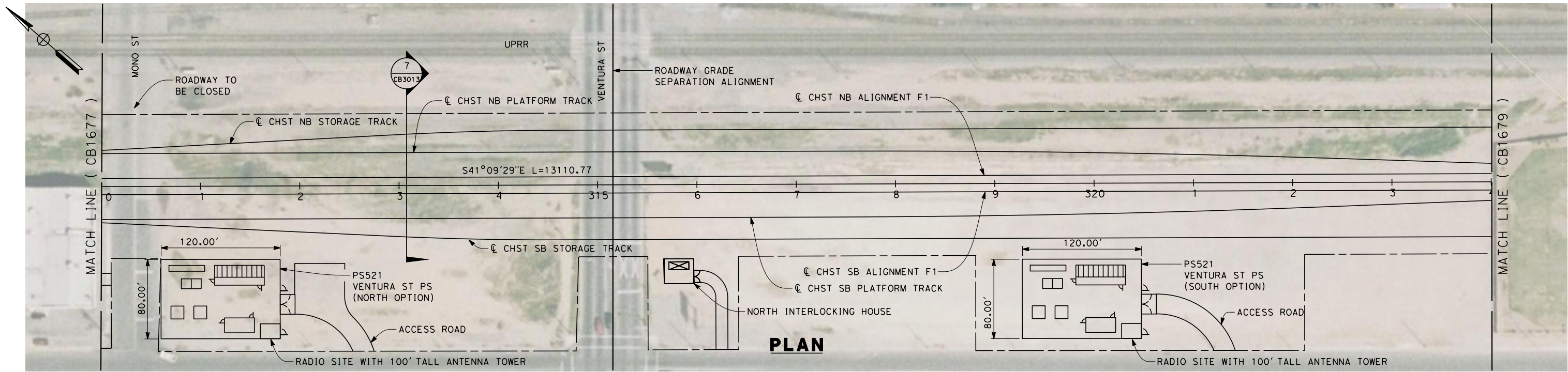
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HSR 06-0003
DRAWING NO.
CB1676
SCALE
AS SHOWN
SHEET NO.
26 OF 40

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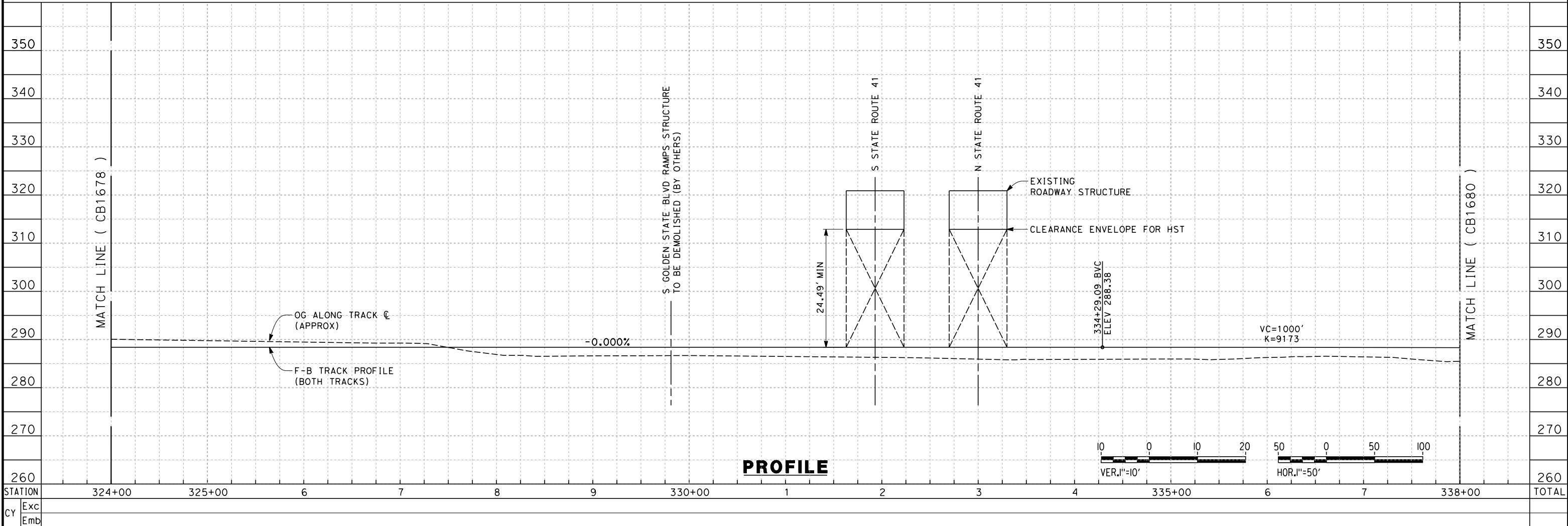
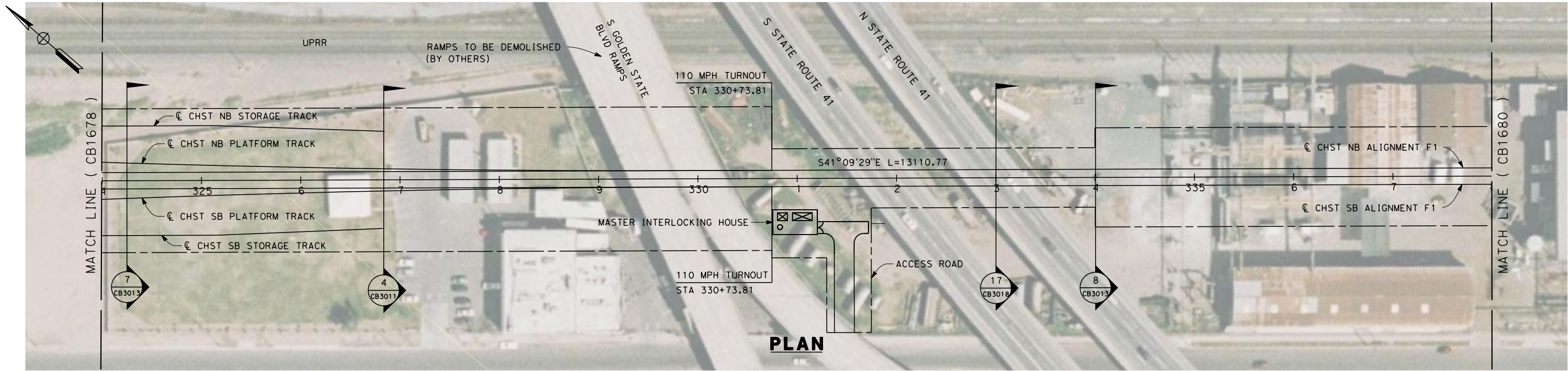
DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION - KERN STATION ALIGNMENT F1 STA. 296+00 TO 310+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1677 SCALE AS SHOWN SHEET NO. 27 OF 40	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD FRESNO SUBSECTION - KERN STATION ALIGNMENT F1 STA. 310+00 TO 324+00 PLAN AND PROFILE			CONTRACT NO. HSR 06-0003 DRAWING NO. CB1678 SCALE AS SHOWN SHEET NO. 28 OF 40	
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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 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

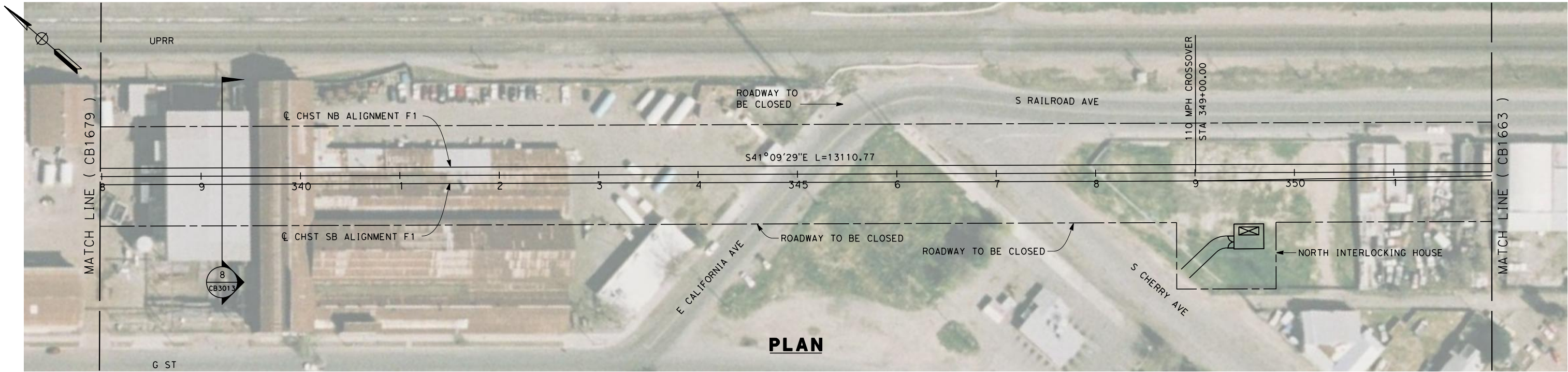


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

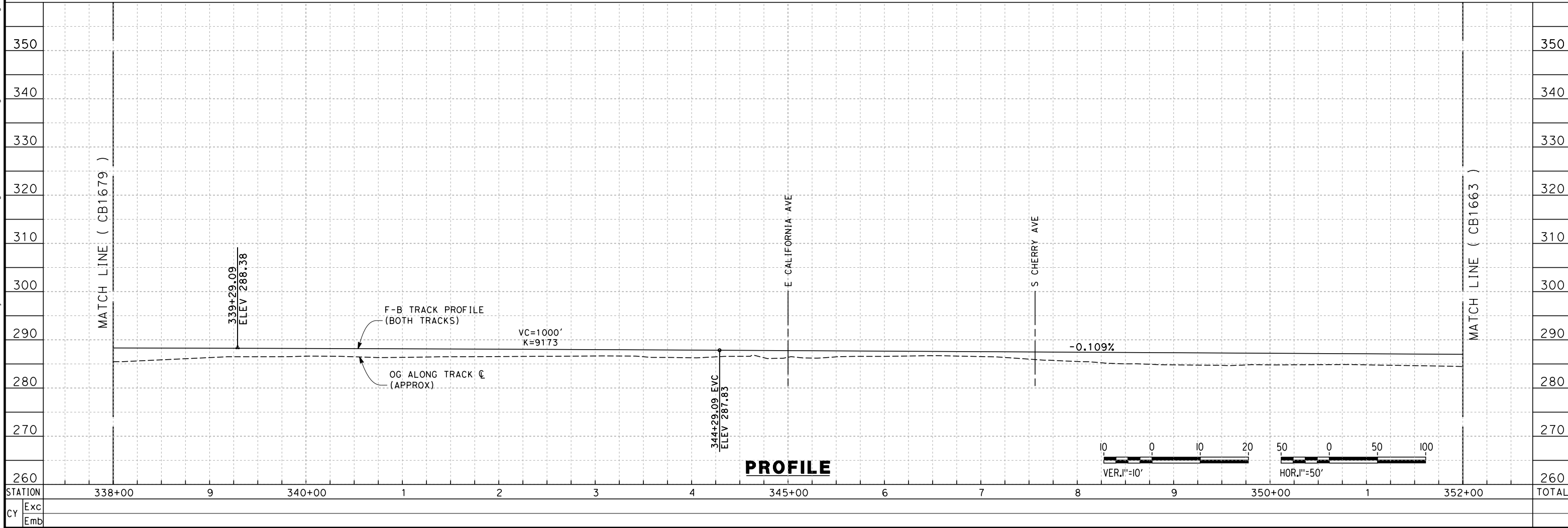
FRESNO SUBSECTION - KERN STATION
ALIGNMENT F1
STA. 324+00 TO 338+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1679
SCALE AS SHOWN
SHEET NO. 29 OF 40

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

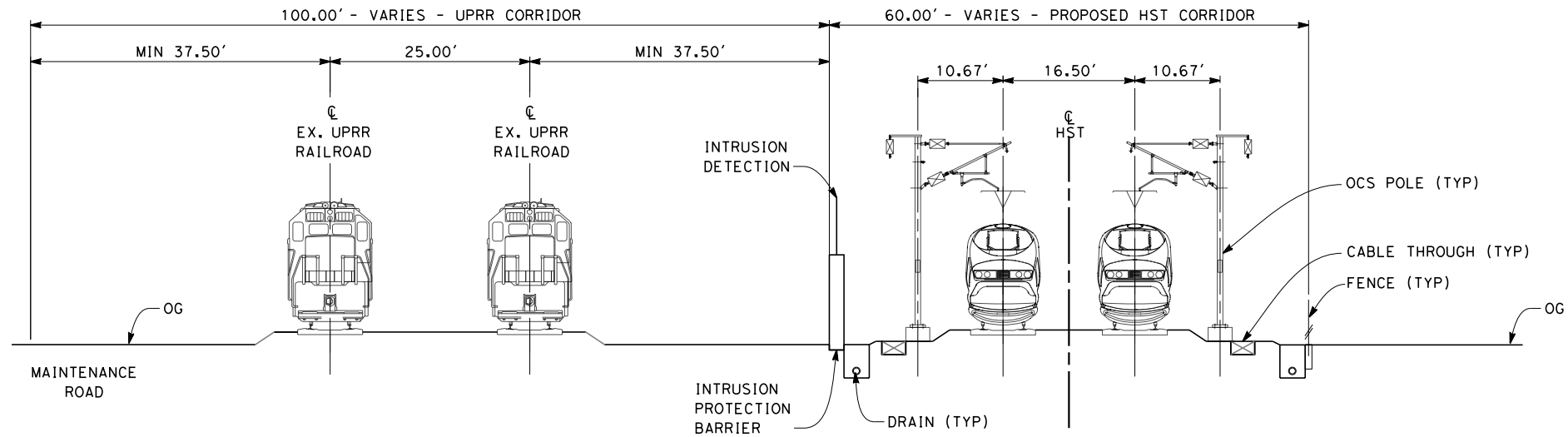
NOT FOR
CONSTRUCTION



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

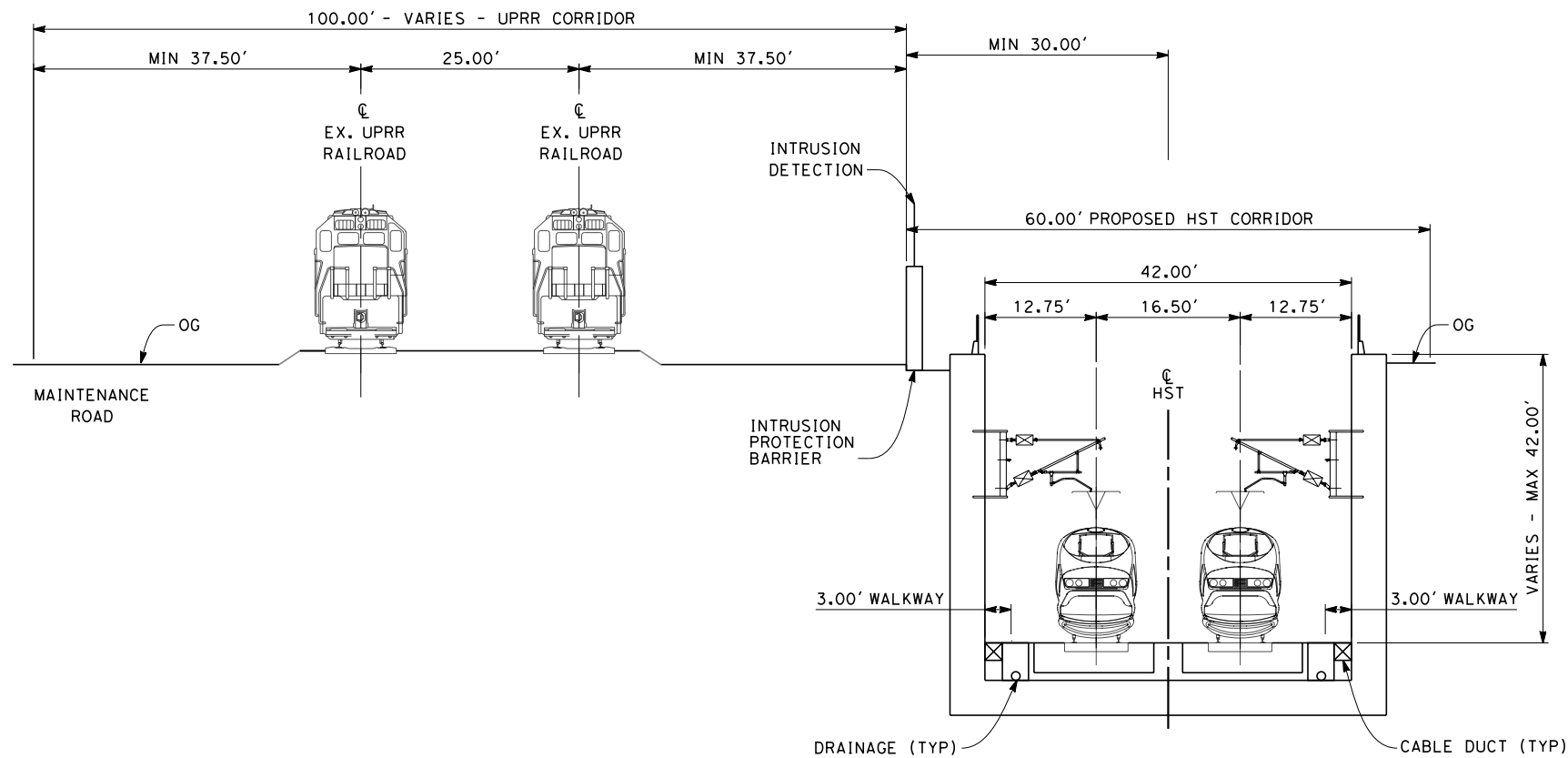
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1680
SCALE AS SHOWN
SHEET NO. 30 OF 40

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SECTION 1

TWIN TRACK AT GRADE 60FT ROW ADJACENT TO UPRR
STA 100+00 THROUGH STA 182+00



SECTION 2

TWIN TRACK IN TRENCH
STA 196+00 THROUGH STA 260+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
4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY E. CAQUIAS
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

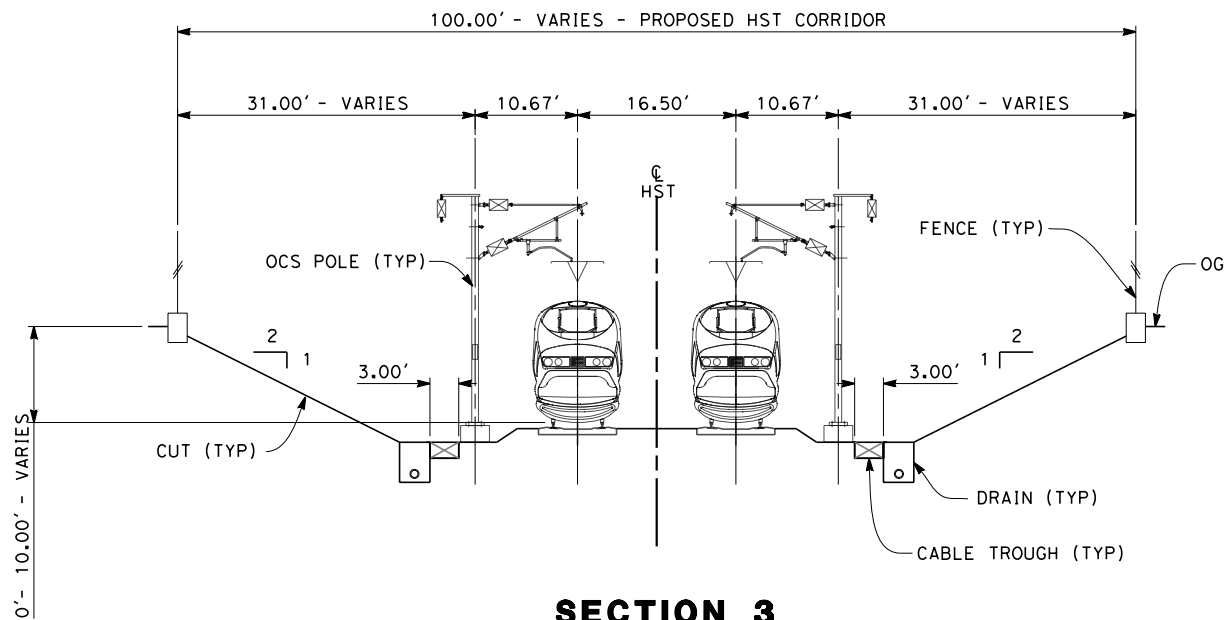


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

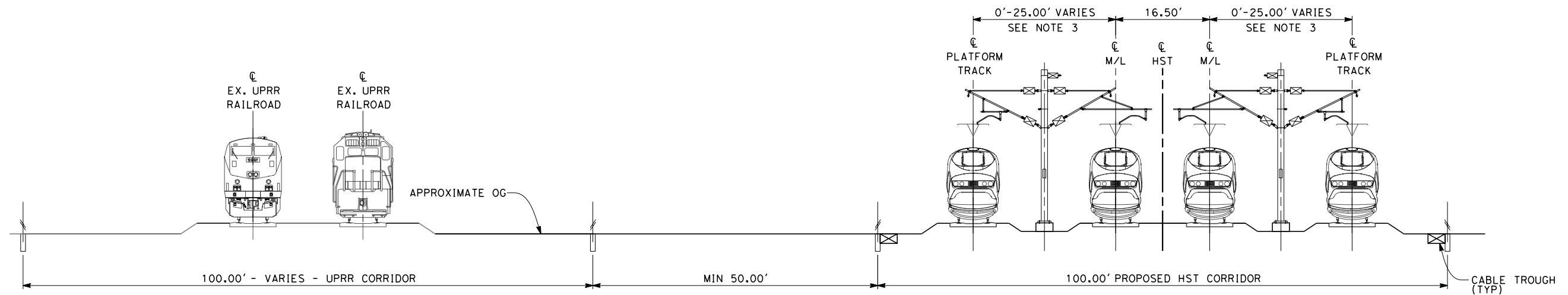
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DRAWING NO. CB3010
SCALE AS SHOWN
SHEET NO. 31 OF 40

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SECTION 3

TWIN TRACK IN OPEN CUT
STA 260+00 THROUGH STA 264+25
STA 260+00 THROUGH STA 270+74 (KERN OPTION)



SECTION 4

4 TRACK AT GRADE STATION APPROACH
STA 264+25 THROUGH STA 285+84
STA 286+84 THROUGH STA 287+20
STA 301+30 THROUGH STA 302+00
STA 320+25 THROUGH STA 324+25
STA 270+74 THROUGH STA 285+84 (KERN OPTION)
STA 286+84 THROUGH STA 293+70 (KERN OPTION)
STA 307+80 THROUGH STA 308+50 (KERN OPTION)
STA 326+75 THROUGH STA 334+00 (KERN OPTION)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN
THE AMOUNT OF APPLIED
SUPERELEVATION IS SHOWN
IN THE CURVE DATA TABLES
3. DISTANCE BETWEEN TRACKS VARIES
FROM 0-25.00' THROUGH TURNOUTS
AND REVERSE TO PARALLEL.
4. POTENTIAL SOUND BARRIERS NOT
SHOWN IN CROSS-SECTION(S).
FOR POTENTIAL EXTENTS OF
SOUND BARRIERS, SEE ALIGNMENT
PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY E. CAQUIAS
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 06/30/11

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

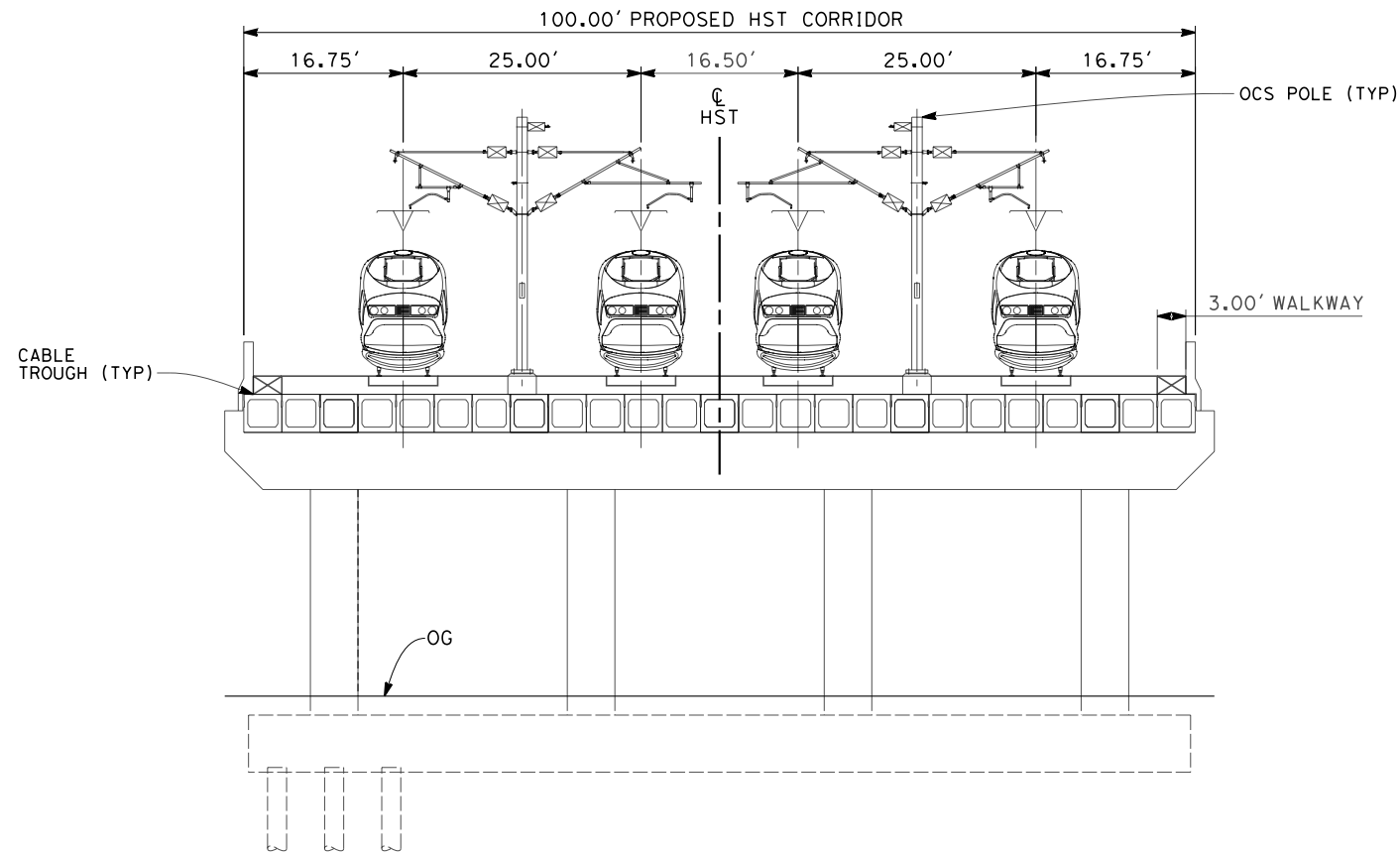


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3011
SCALE AS SHOWN
SHEET NO. 32 OF 40

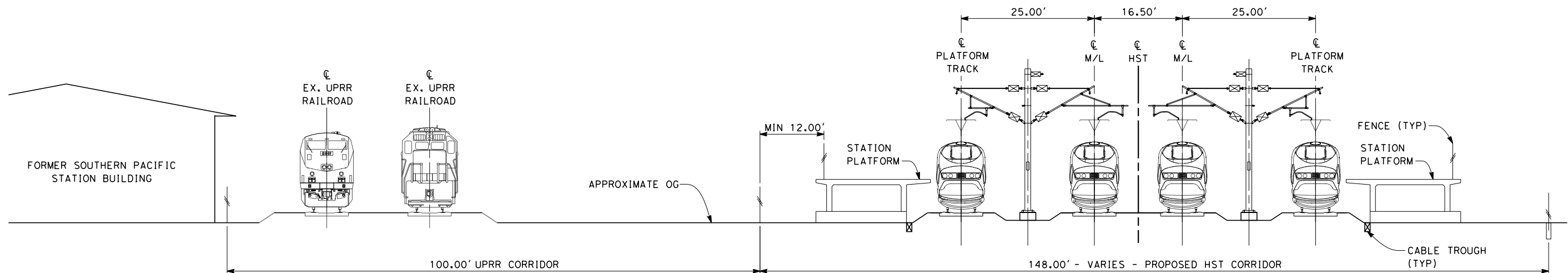
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



SECTION 5

TWIN TRACK - BOX GIRDER BRIDGE
STA 285+84 THROUGH STA 286+84



SECTION 6

4 TRACK AT GRADE PLATFORMS
STA 287+20 THROUGH STA 301+30
STA 293+70 THROUGH STA 307+80 (KERN OPTION)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY E. CAQUIAS
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 06/30/11

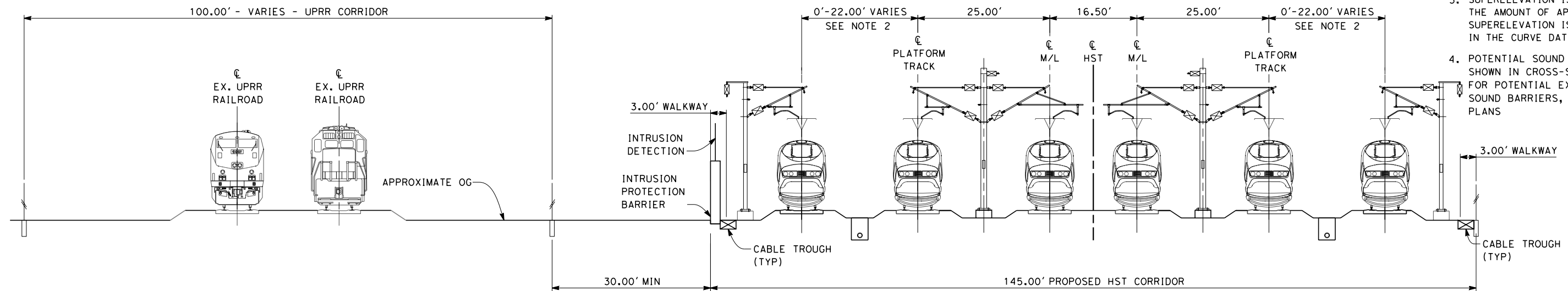
RECORD SET 15% DESIGN SUBMISSION
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3012
SCALE AS SHOWN
SHEET NO. 33 OF 40

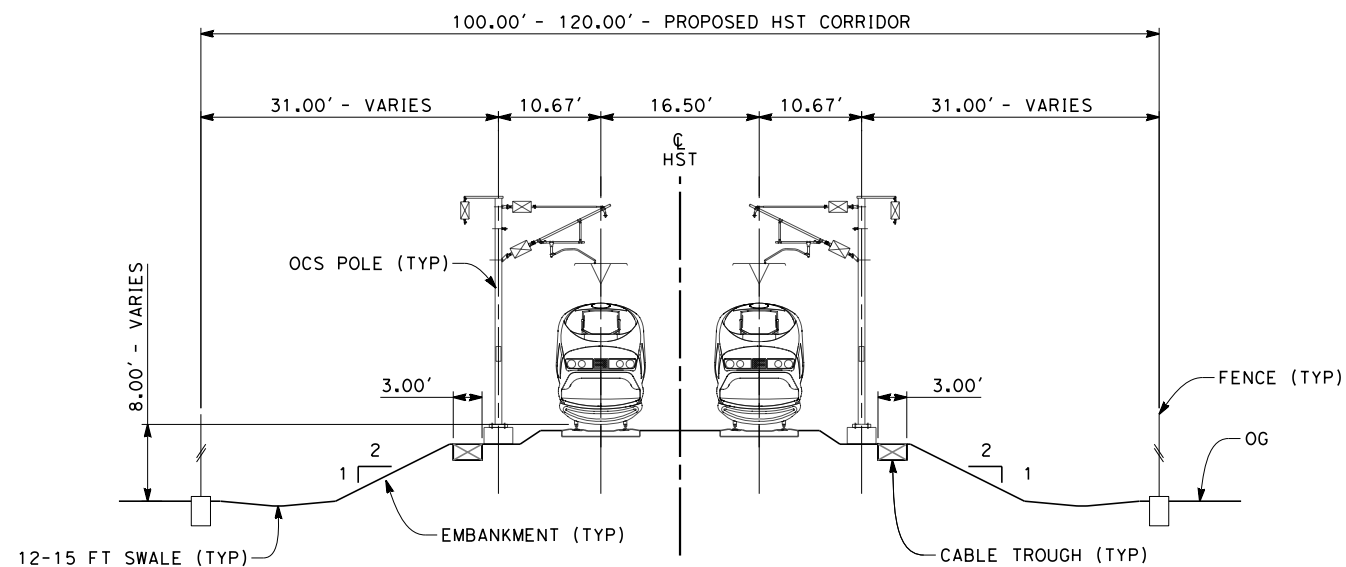
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. DISTANCE BETWEEN TRACKS VARIES FROM 0-22.00' THROUGH TURNOUTS AND REVERSE TO PARALLEL.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS

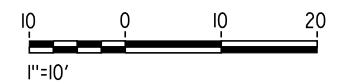
SECTION 7

6 TRACK AT GRADE INCLUDING STORAGE TRACKS
STA 302+00 THROUGH STA 320+25
STA 308+50 THROUGH STA 326+75 (KERN OPTION)



SECTION 8

TWIN TRACK AT GRADE 100FT ROW
STA 324+25 THROUGH STA 368+50
STA 429+00 THROUGH STA 440+00
STA 521+00 THROUGH STA 545+00
STA 334+00 THROUGH STA 370+00 (KERN OPTION)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
E. CAQUIAS
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

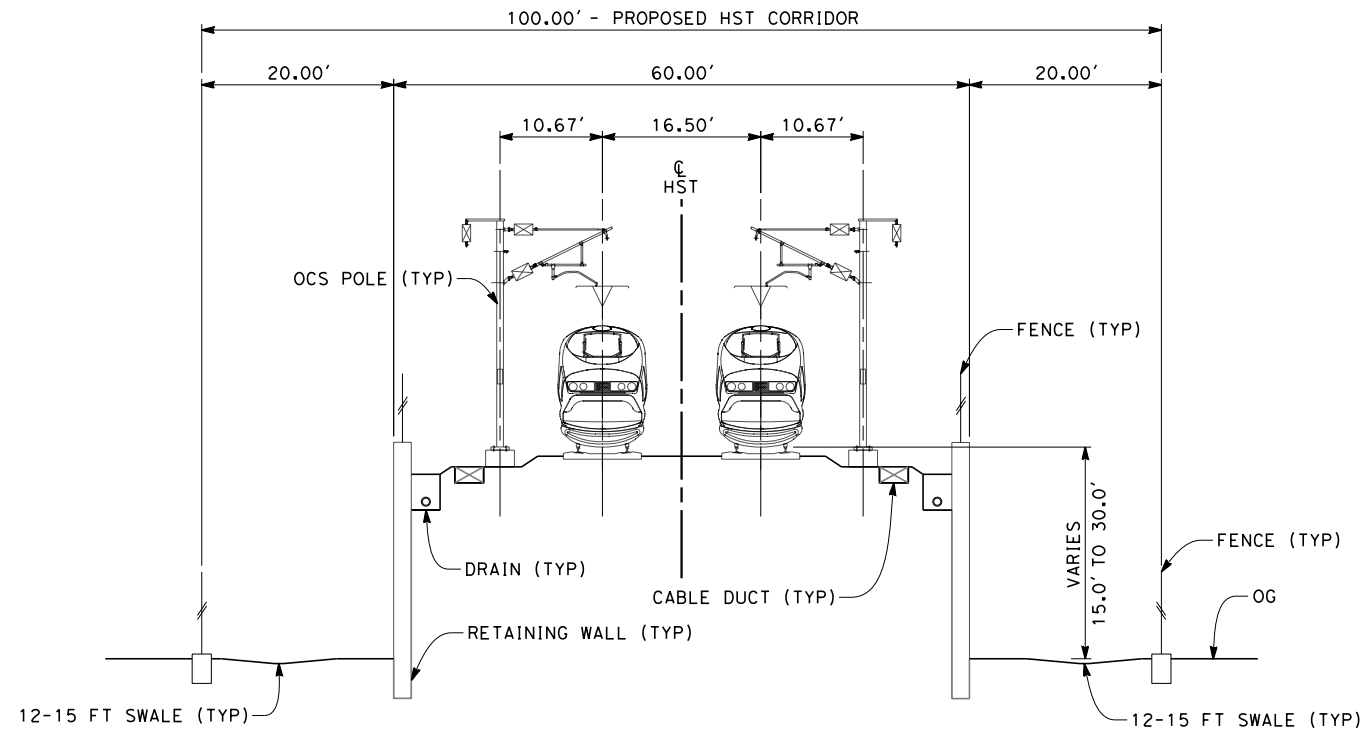
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CONSTRUCTION**



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

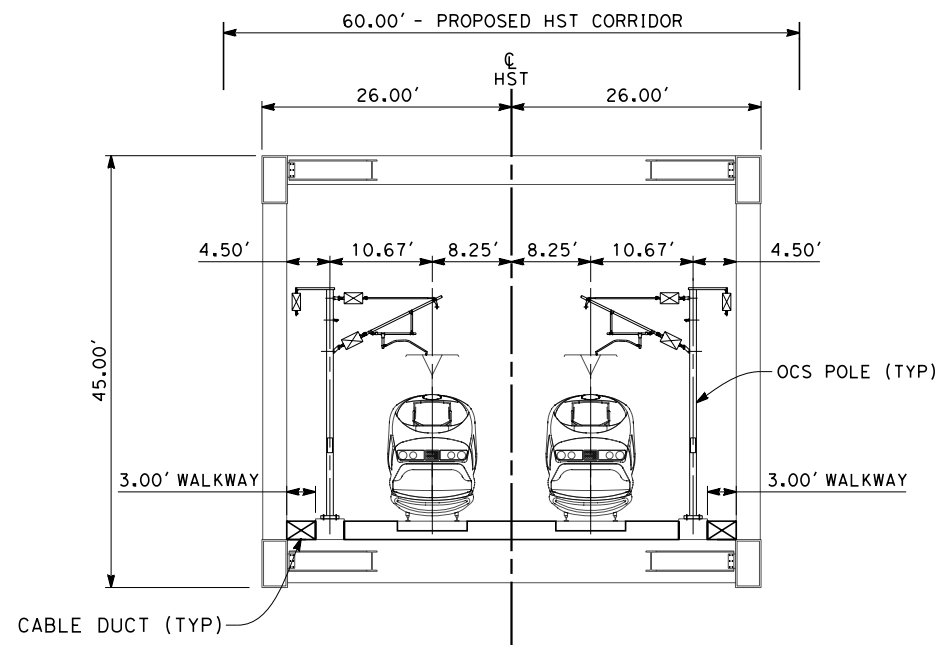
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HSR 06-0003
DRAWING NO.
CB3013
SCALE
AS SHOWN
SHEET NO.
34 OF 40

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SECTION 9

TWIN TRACK ON RET WALL
STA 440+00 THROUGH STA 446+90
STA 512+20 THROUGH STA 521+00



SECTION 10

TWIN TRACK ON TRUSS
STA 446+90 THROUGH STA 450+10
STA 490+50 THROUGH STA 494+65

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. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY E. CAQUIAS
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

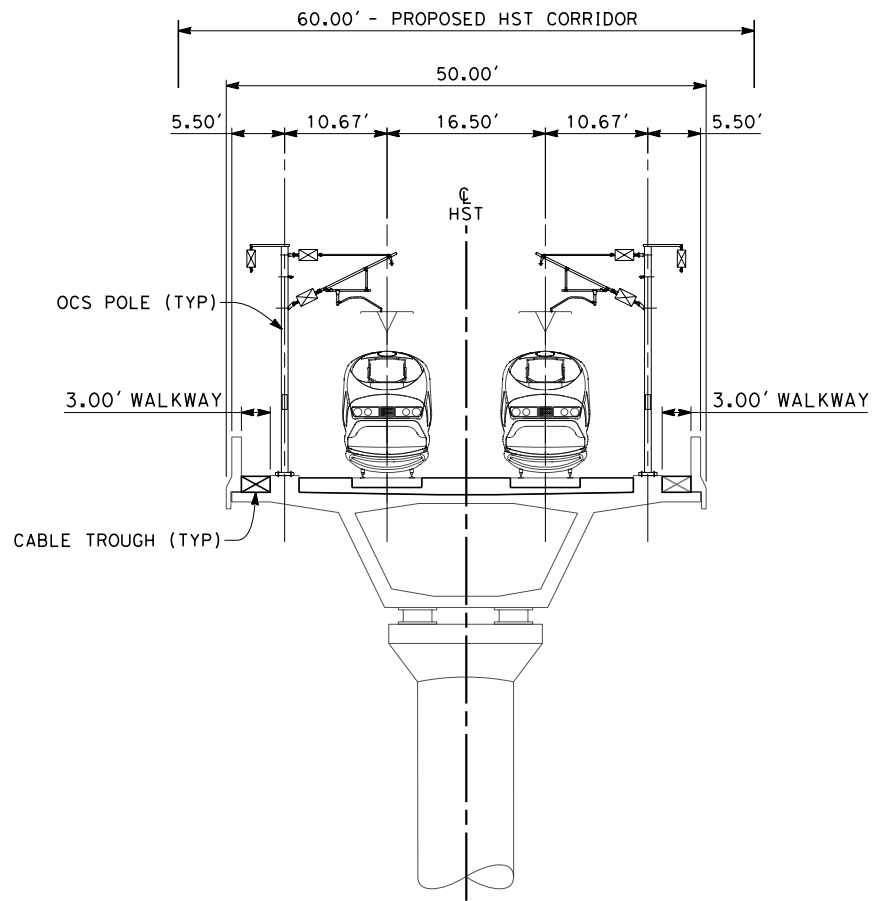
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NOT FOR CONSTRUCTION



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

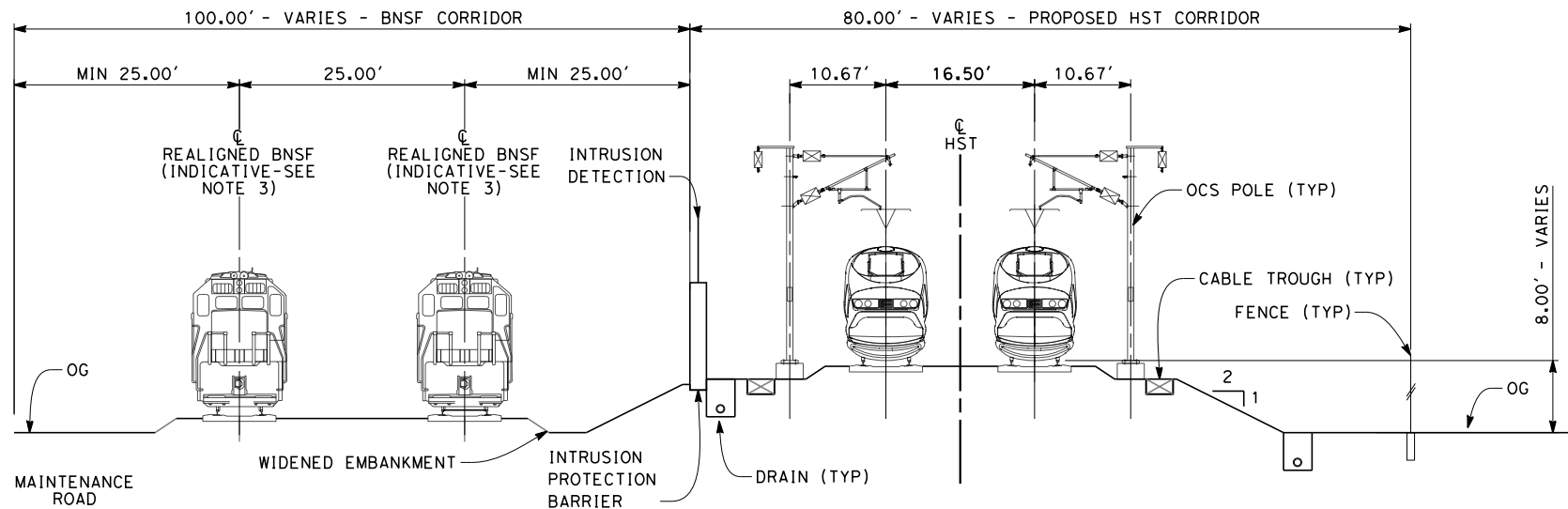
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DRAWING NO. CB3014
SCALE AS SHOWN
SHEET NO. 35 OF 40

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SECTION 11

TWIN TRACK AERIAL VIADUCT
STA 450+10 THROUGH STA 490+50
STA 494+65 THROUGH STA 512+20



SECTION 12

TWIN TRACK ADJACENT TO BNSF
STA 545+00 THROUGH STA 634+32

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. INDICATIVE BNSF REALIGNMENT SHOWN MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS
4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
5. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



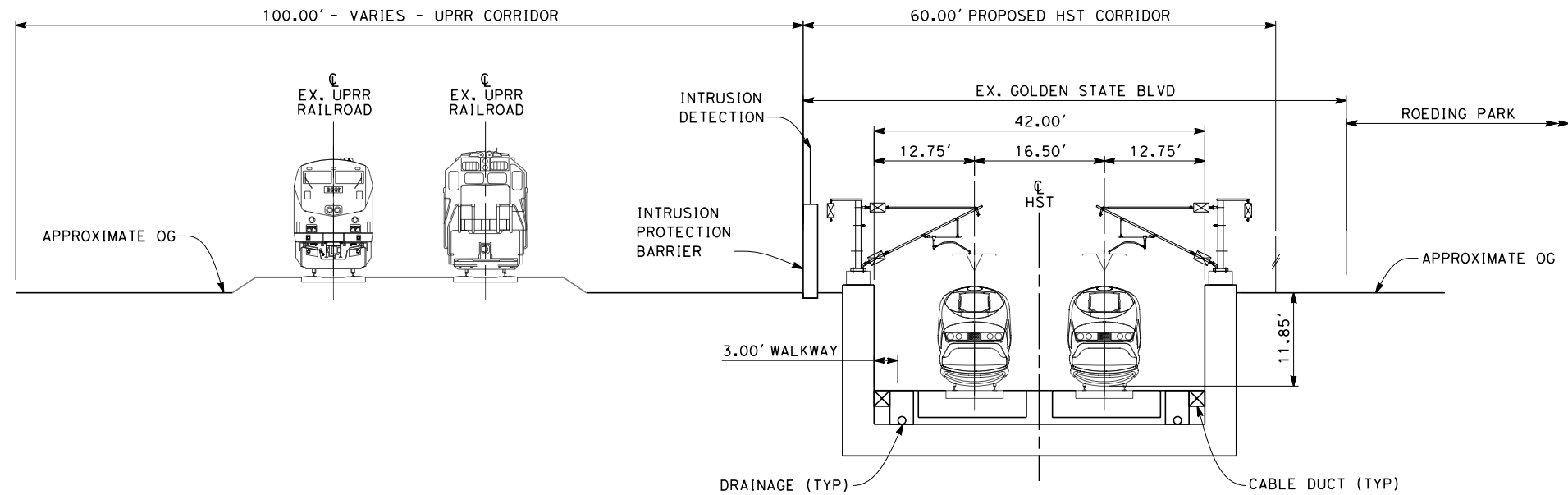
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

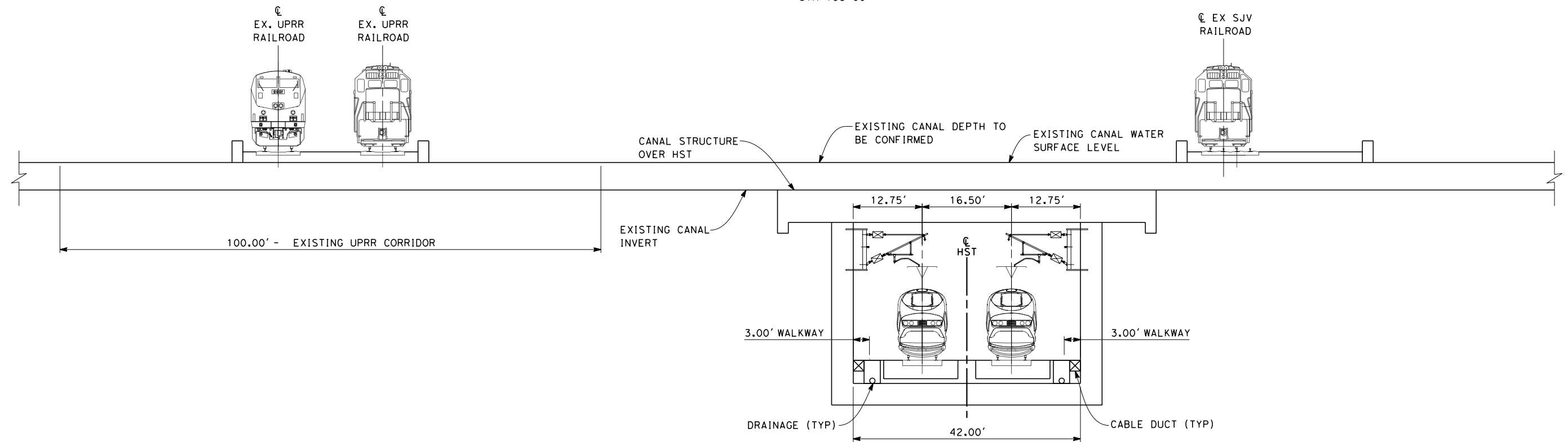
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DRAWING NO. CB3015
SCALE AS SHOWN
SHEET NO. 36 OF 40

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SECTION 13

TWIN TRACK IN TRENCH ADJACENT TO
UPRR AND ROEDING PARK
STA 195+00

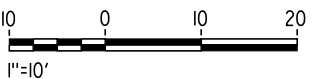


SECTION 14

TWIN TRACK IN TRENCH UNDER CANAL
STA 228+30

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. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
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CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

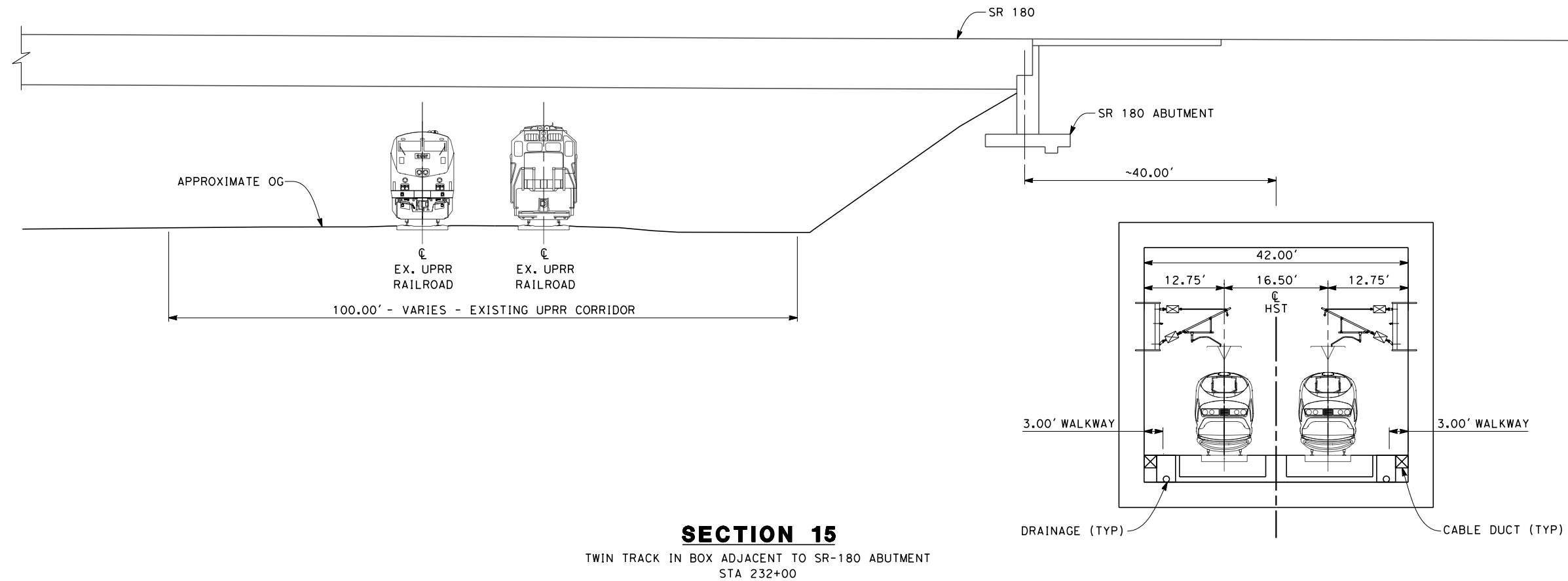


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

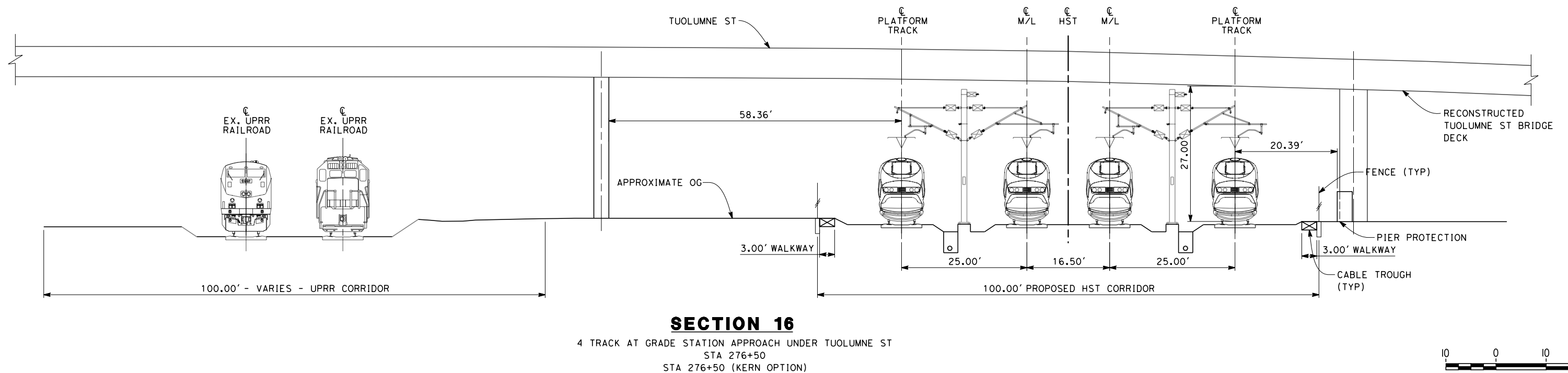
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3016
SCALE AS SHOWN
SHEET NO. 37 OF 40

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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
 4. FOR SECTION 16 OCS POLES TO BE SPACED BEFORE & AFTER BRIDGE. POSITIONS ARE INDICATIVE
 5. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
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IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



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

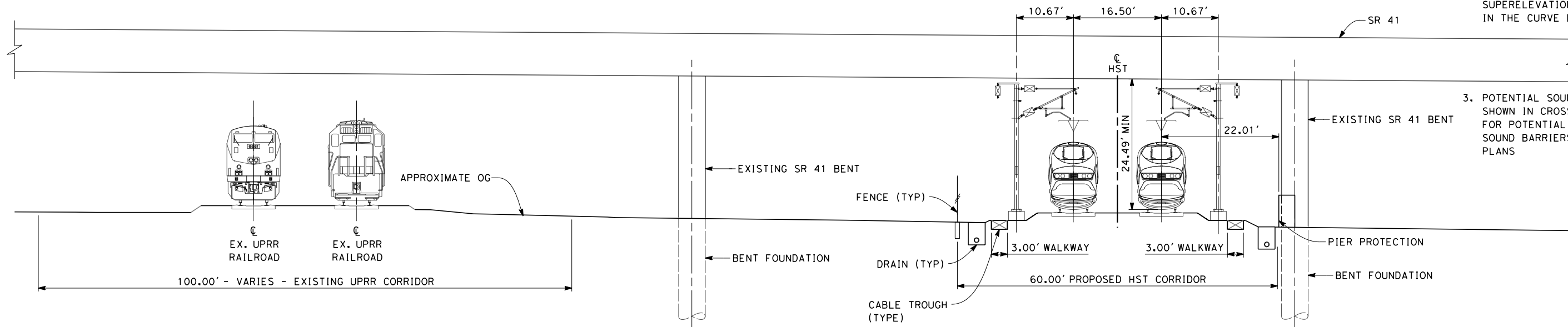
FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3017
SCALE AS SHOWN
SHEET NO. 38 OF 40

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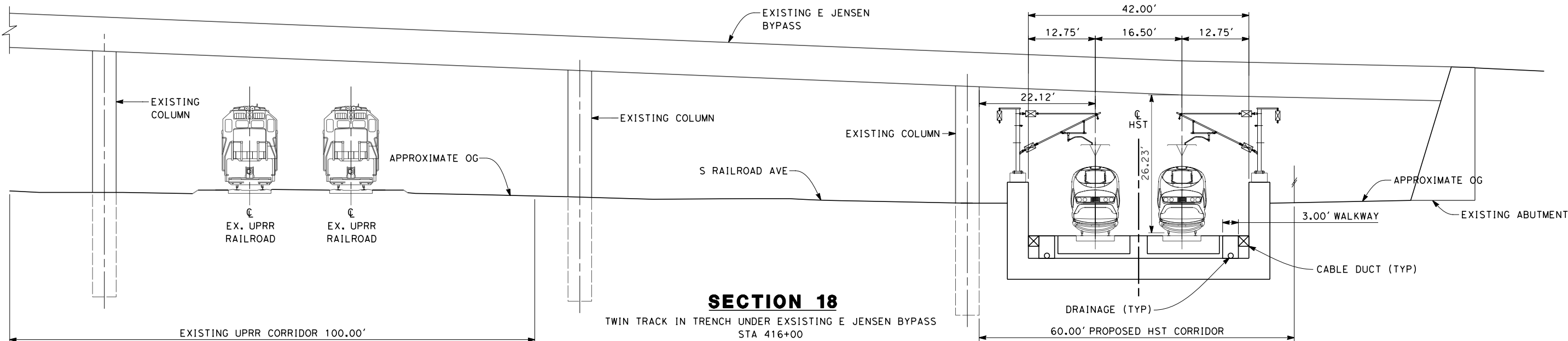
NOTES:

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2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
3. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



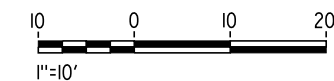
SECTION 17

TWIN TRACK UNDER SR-41
STA 333+00
STA 333+00 (KERN OPTION)



SECTION 18

TWIN TRACK IN TRENCH UNDER EXISTING E JENSEN BYPASS
STA 416+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SEYMOUR
DRAWN BY
E. CAQUIAS
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

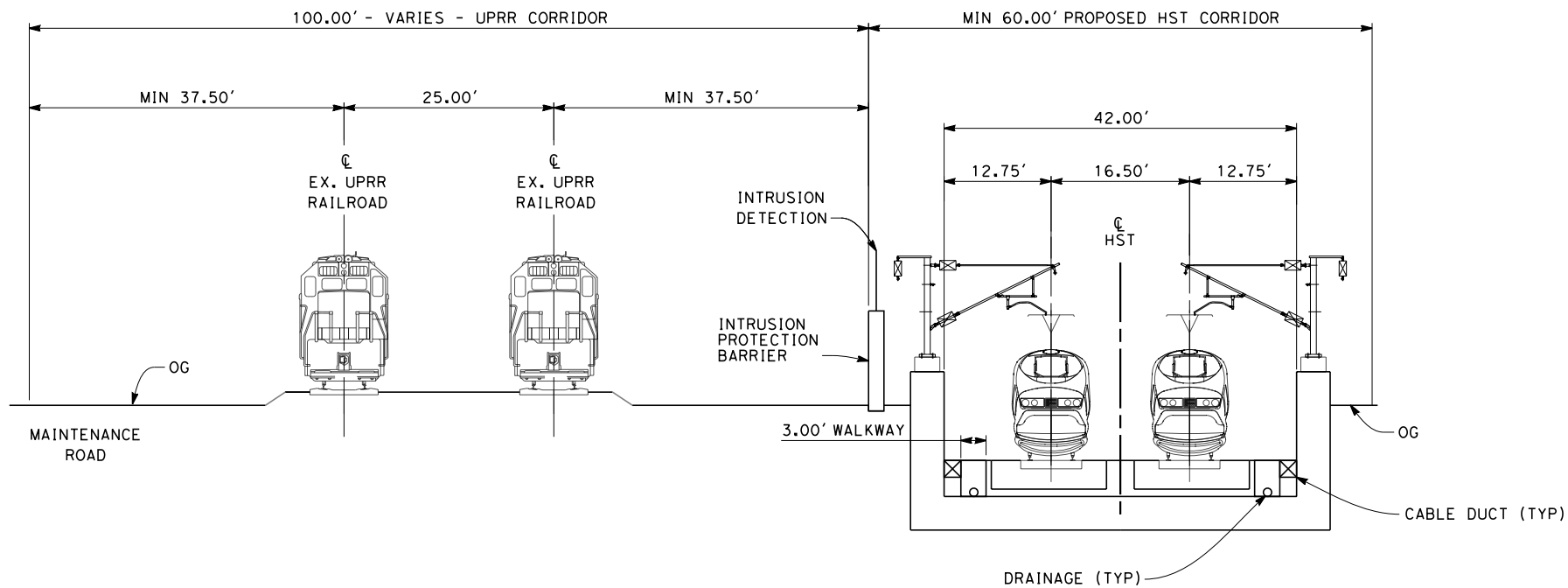
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CONSTRUCTION**



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

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3018
SCALE
AS SHOWN
SHEET NO.
39 OF 40

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SECTION 19

TWIN TRACK IN TRENCH
STA 182+00 THROUGH STA 196+00
STA 368+50 THROUGH STA 429+00

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS.



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DESIGNED BY K. SEYMOUR
DRAWN BY E. CAQUIAS
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

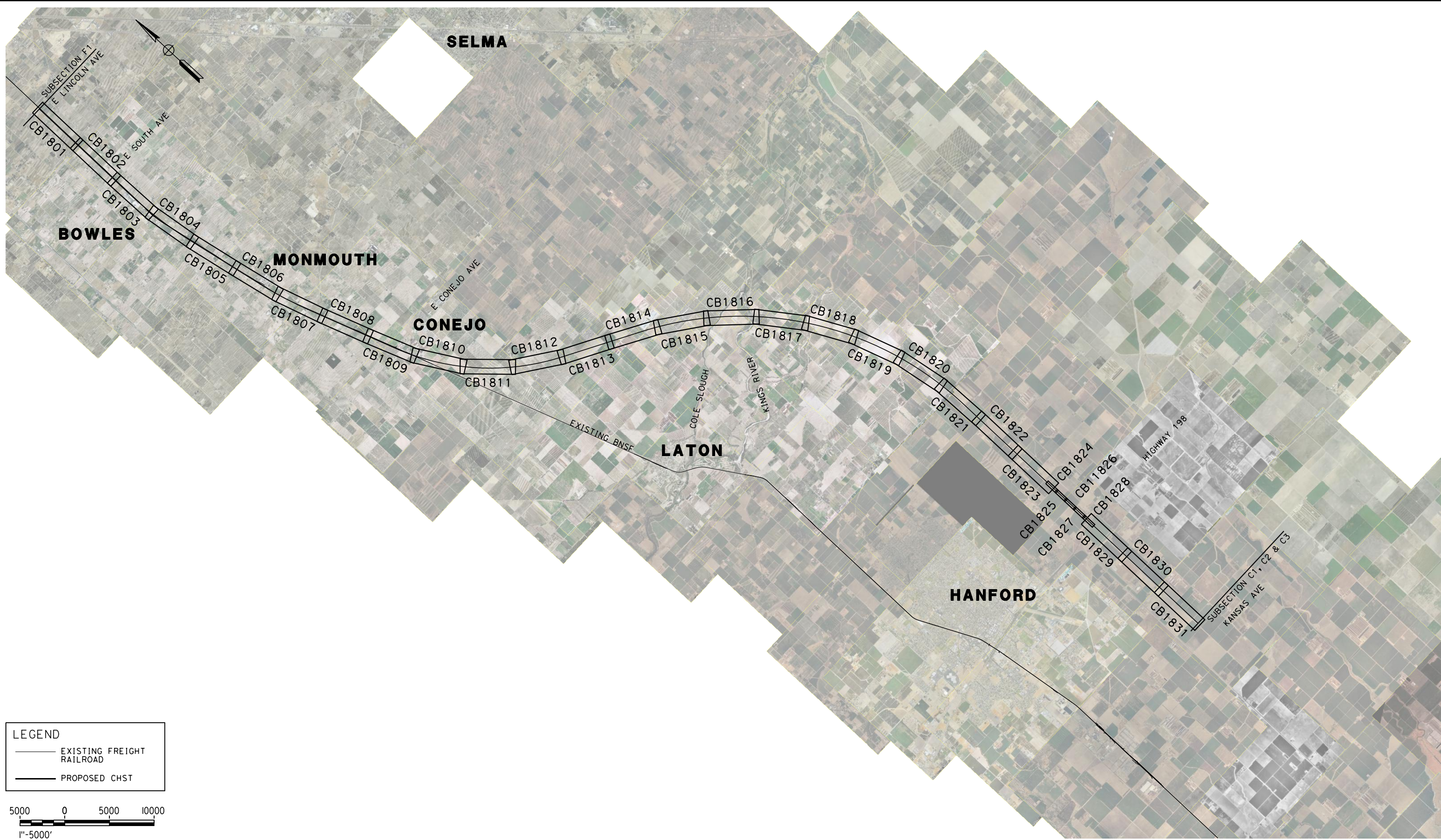


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

FRESNO SUBSECTION
ALIGNMENT F1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3019
SCALE AS SHOWN
SHEET NO. 40 OF 40

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LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

500000500010000

1"=5000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

URS | HMM | ARUP

CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

HANFORD SUBSECTION
ALIGNMENT H
STA. 629+59 TO 2144+63
KEY MAP

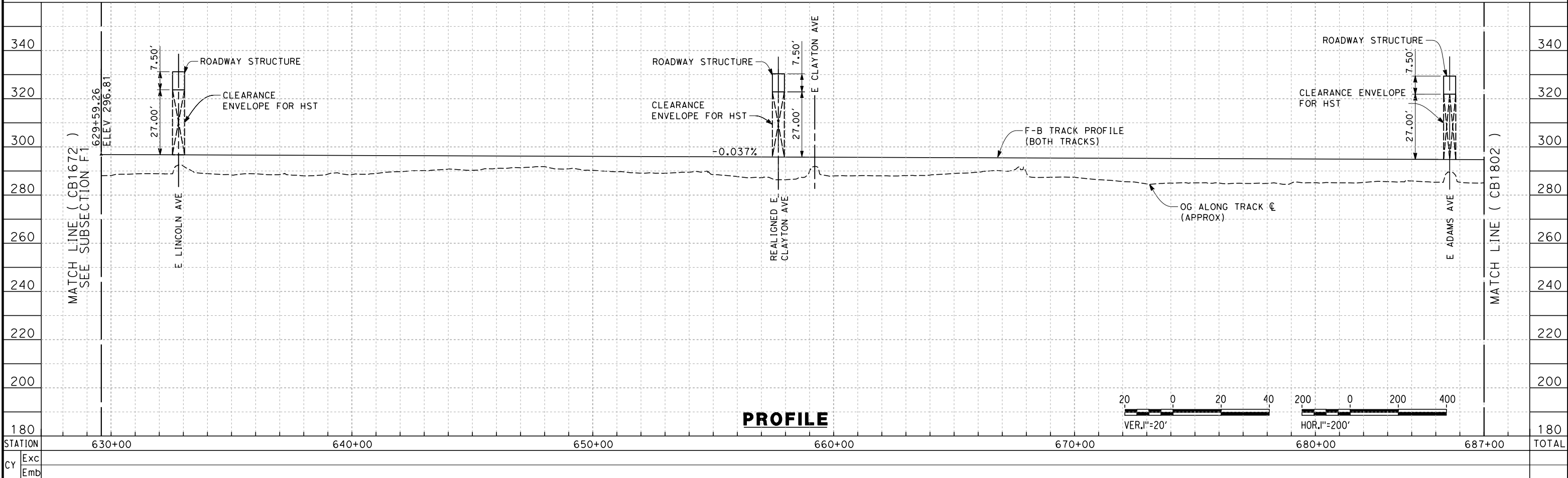
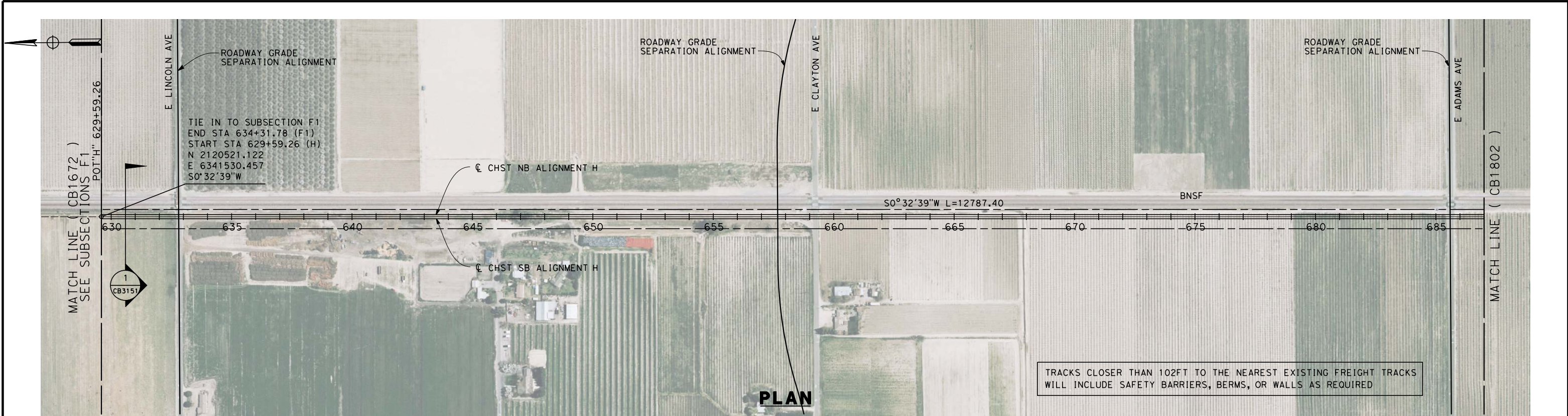
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HSR 06-0003

DRAWING NO.
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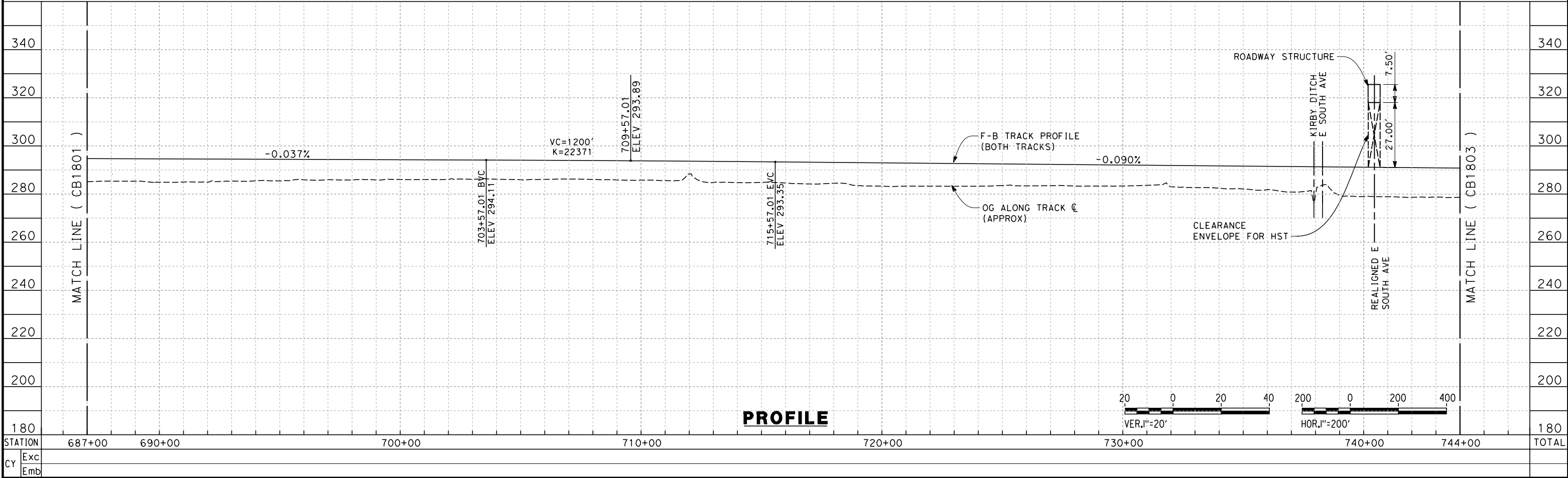
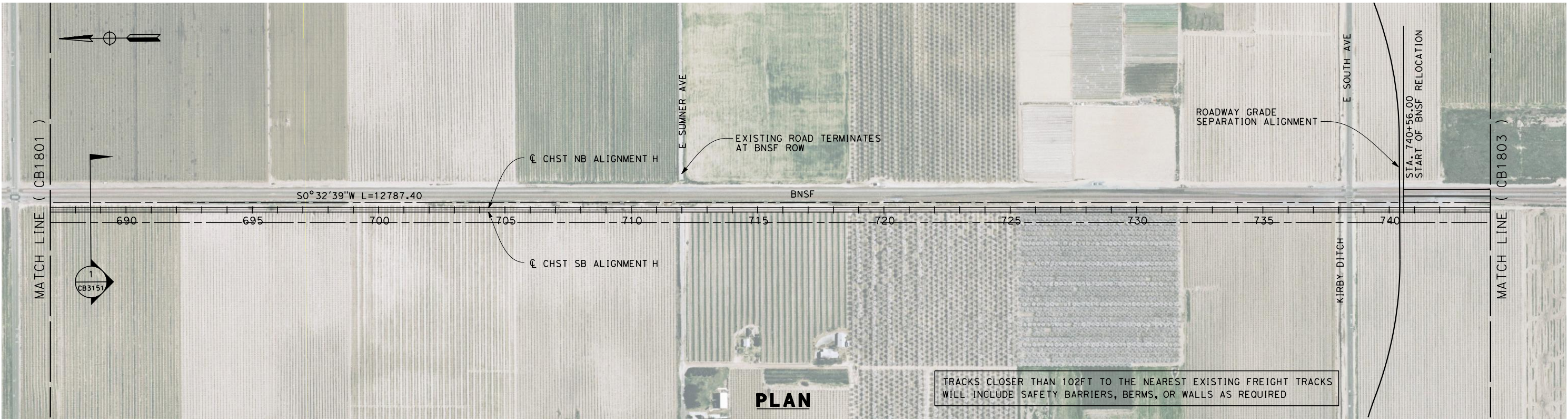
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K. SEYMOUR
DRAWN BY
P. TONKIN
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

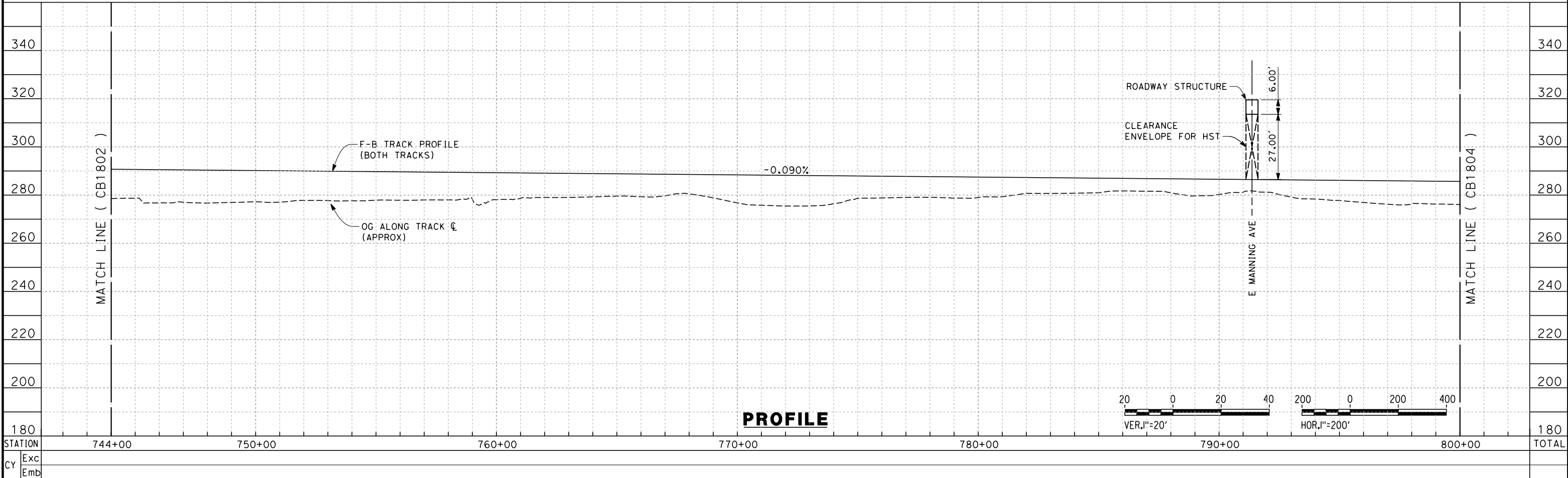
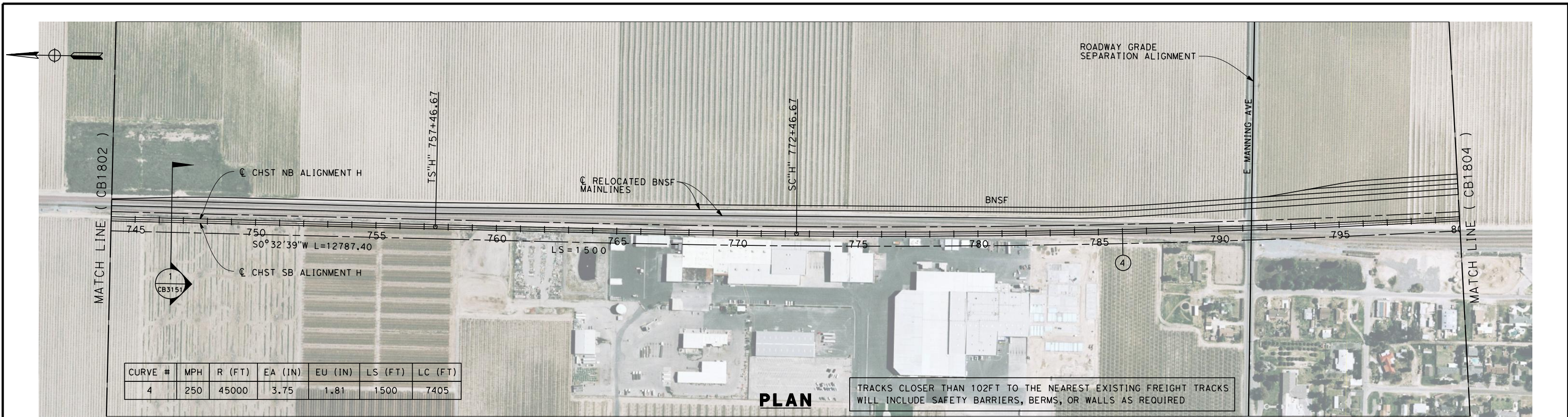
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
STA. 687+00 TO 744+00
PLAN AND PROFILE

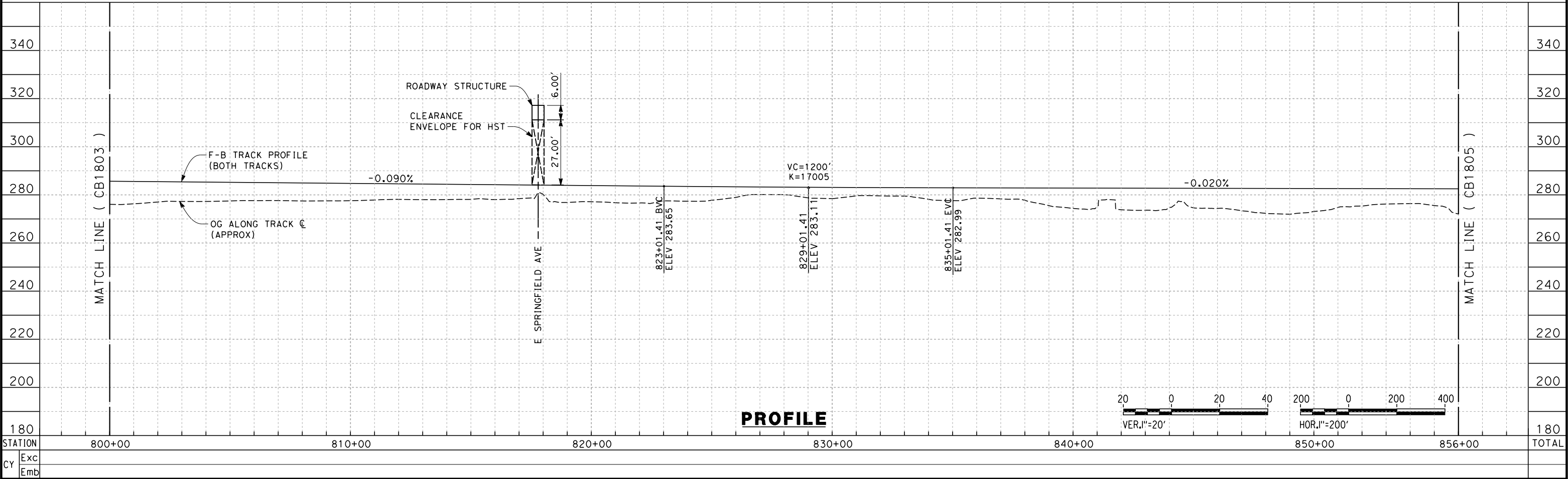
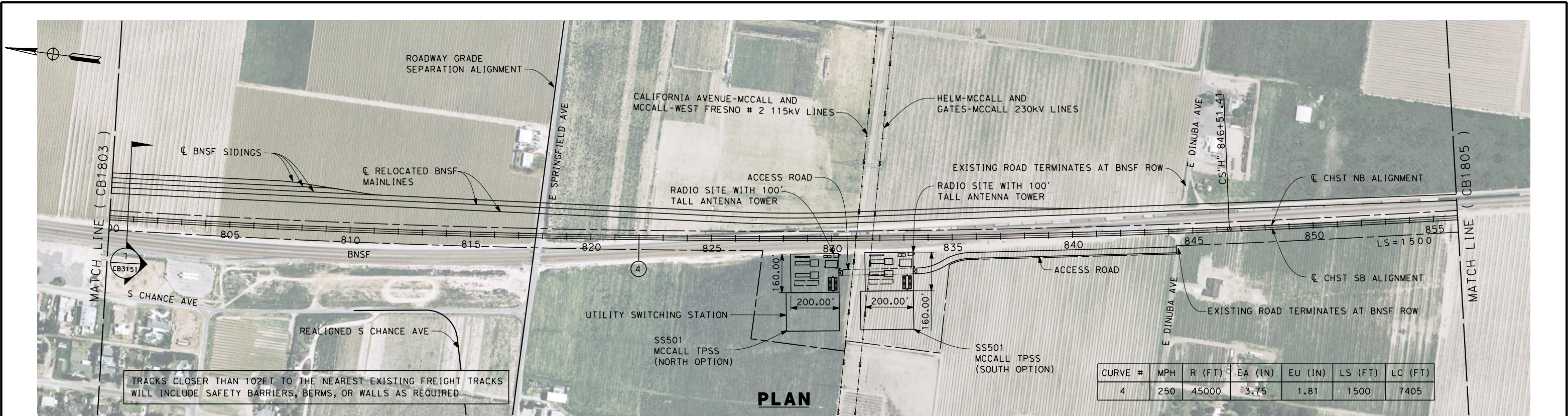
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DRAWING NO.
CB1802
SCALE
AS SHOWN
SHEET NO.
3 OF 39

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REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1803
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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
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

HANFORD SUBSECTION
ALIGNMENT H
STA. 800+00 TO 856+00
PLAN AND PROFILE

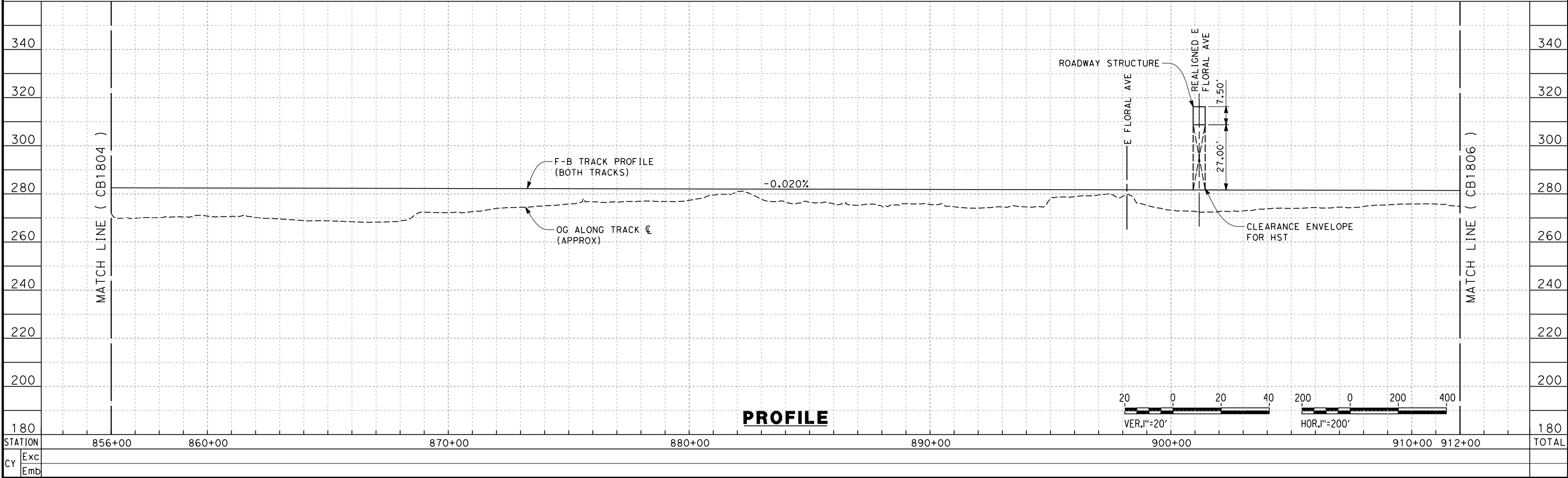
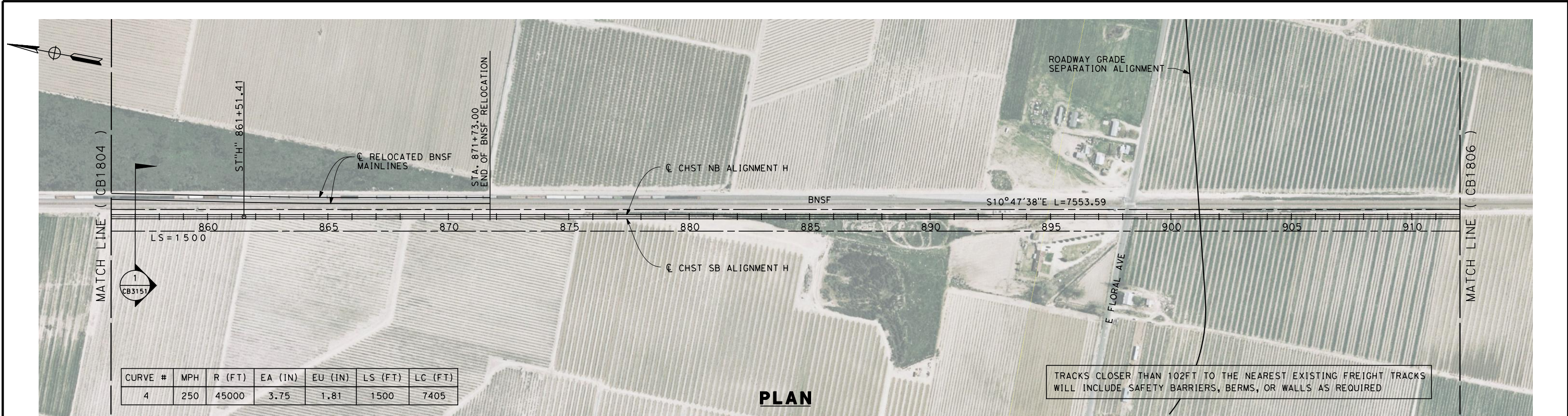
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1804

SCALE
AS SHOWN

SHEET NO.
5 OF 39

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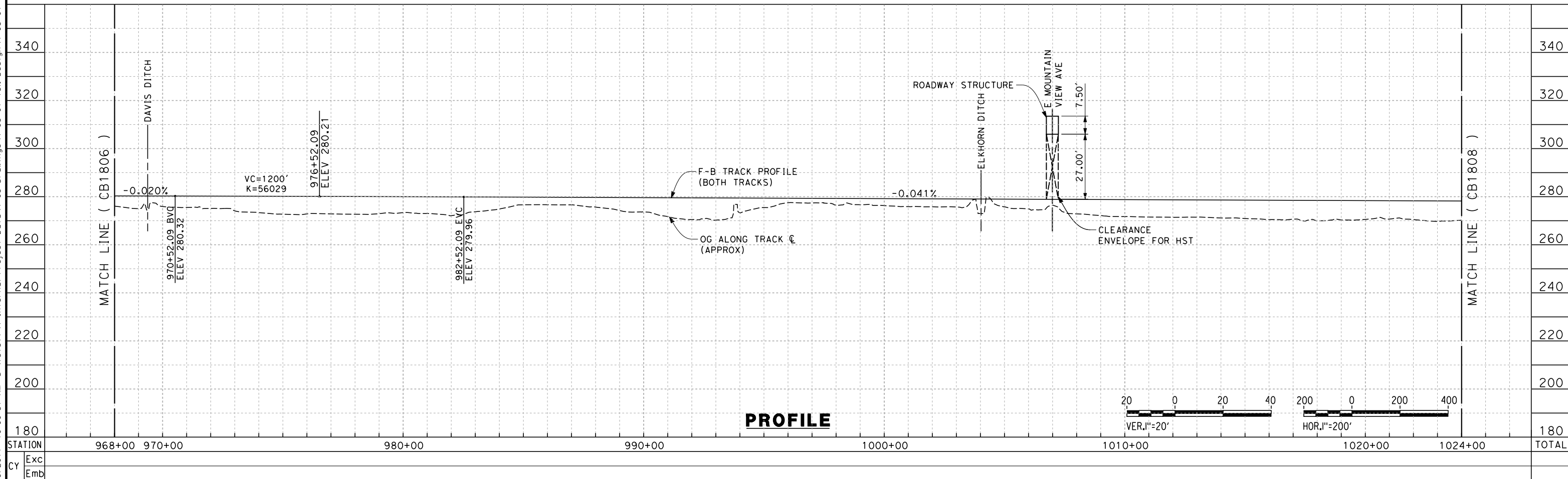
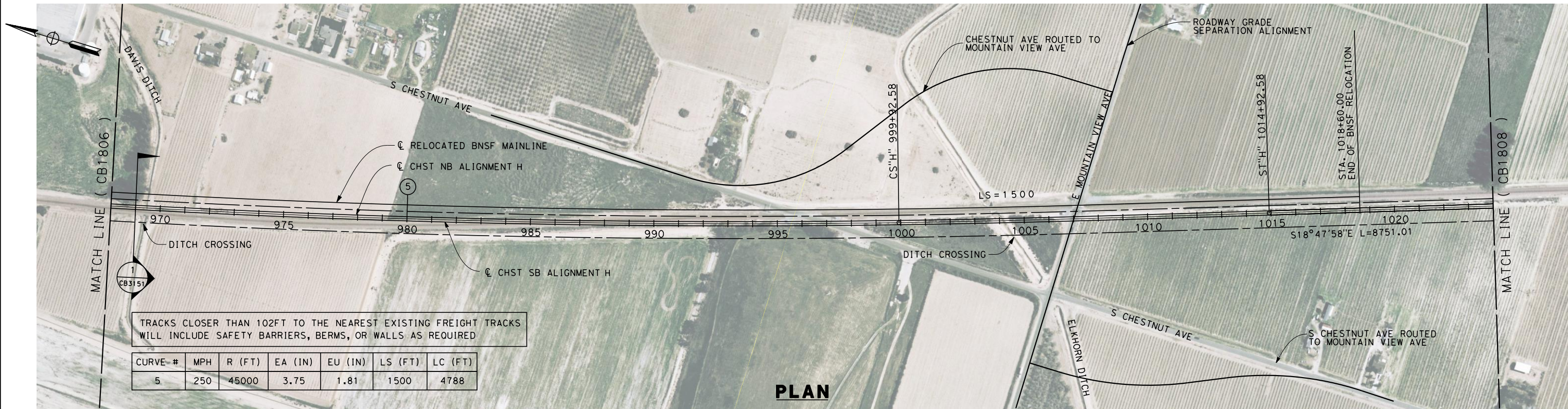
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DESIGN SUBMISSION
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CONSTRUCTION**



CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1806
SCALE	AS SHOWN
SHEET NO.	7 OF 39

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

HANFORD SUBSECTION
ALIGNMENT H
STA. 968+00 TO 1024+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1807

SCALE
AS SHOWN

SHEET NO.
8 OF 39



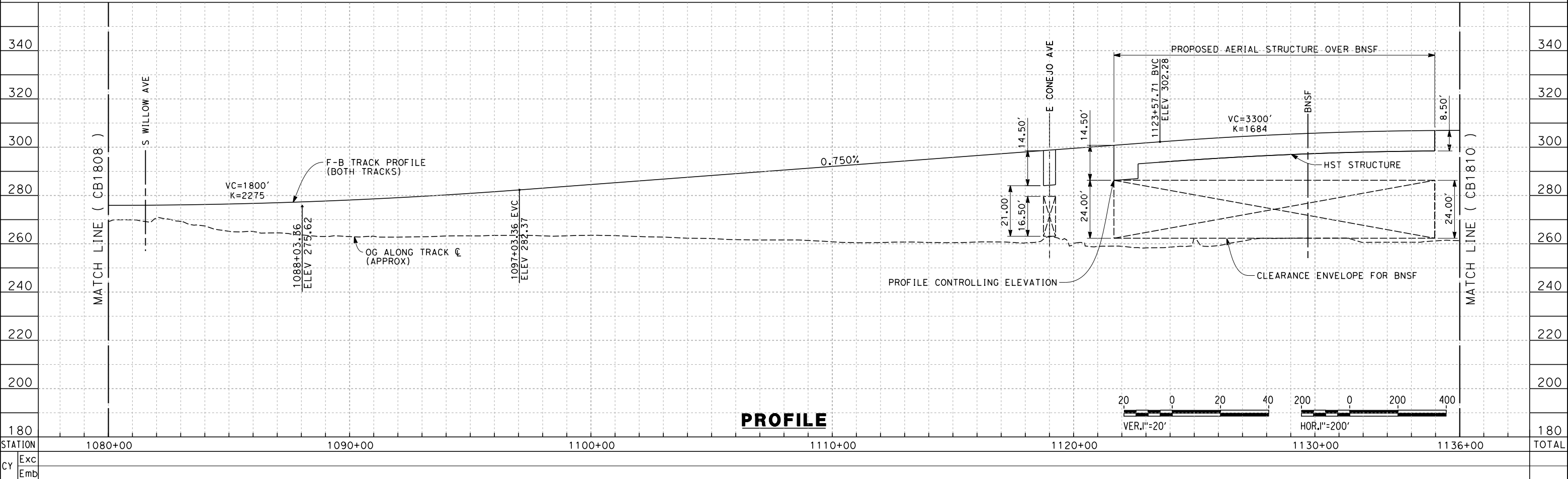
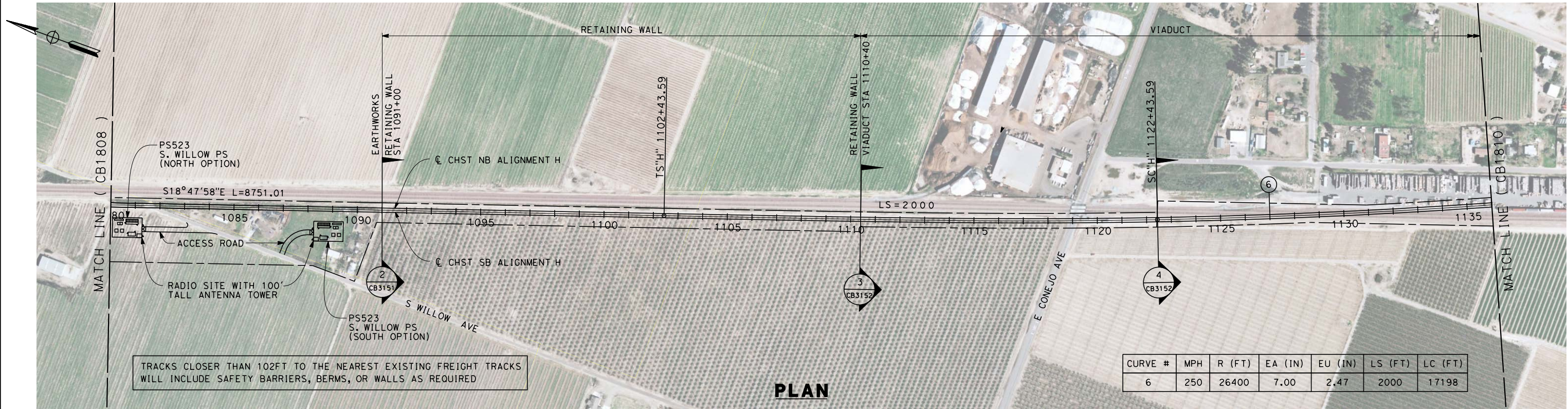
DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**NOT FOR
CONSTRUCTION**



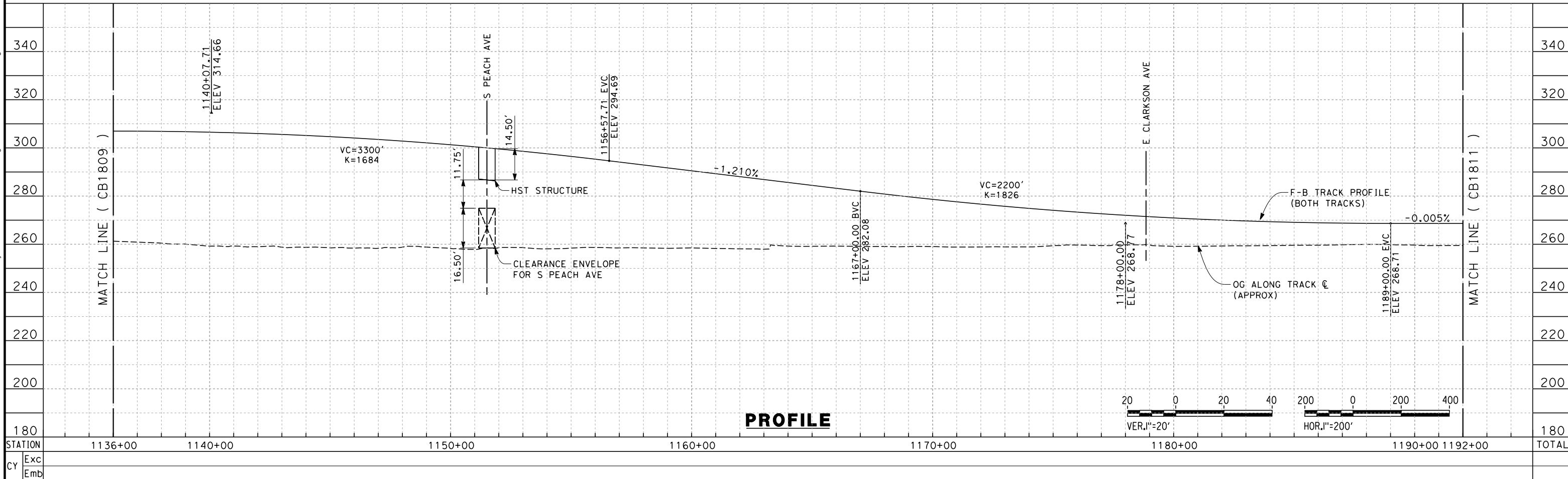
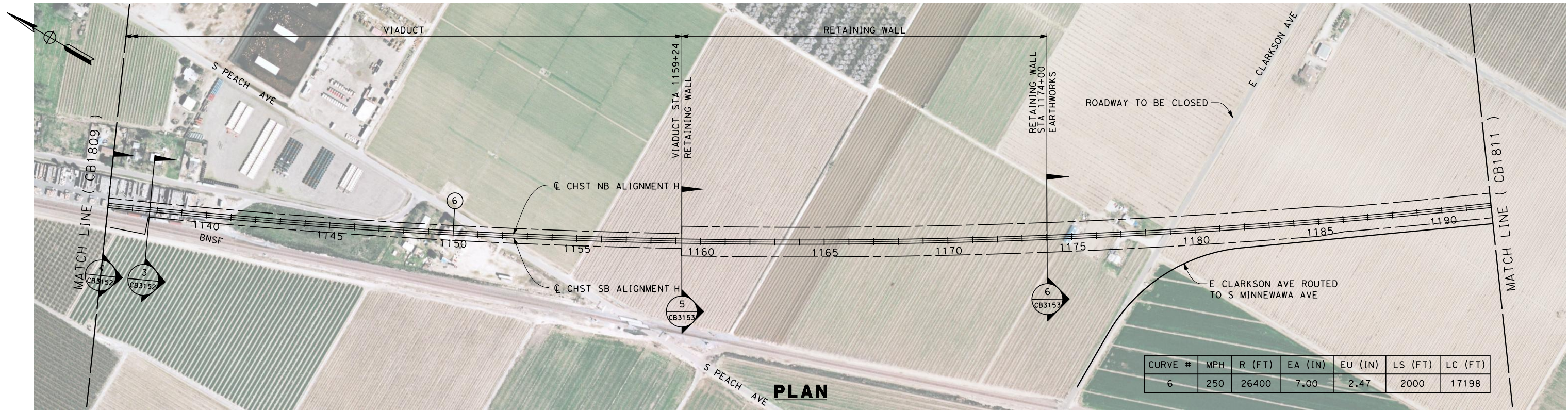
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DRAWING NO.	CB1808
SCALE	AS SHOWN
SHEET NO.	9 OF 39

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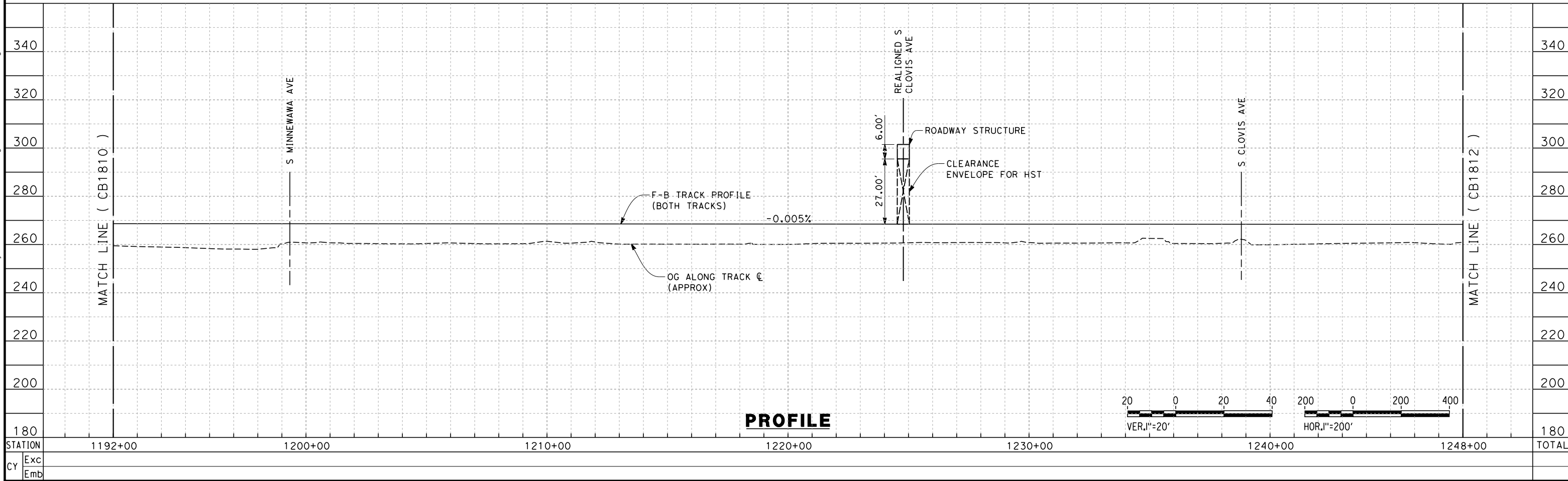
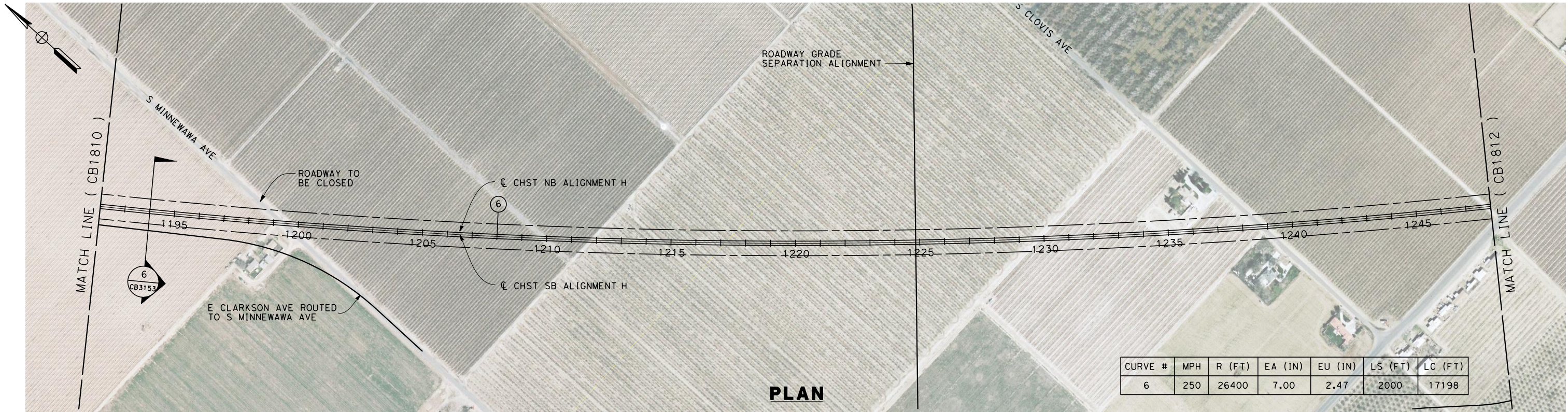
DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP 		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 1080+00 TO 1136+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1809 SCALE AS SHOWN SHEET NO. 10 OF 39	
REV	DATE	BY	CHK	APP	DESCRIPTION								

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					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	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1810
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									SHEET NO. 11 OF 39

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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
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

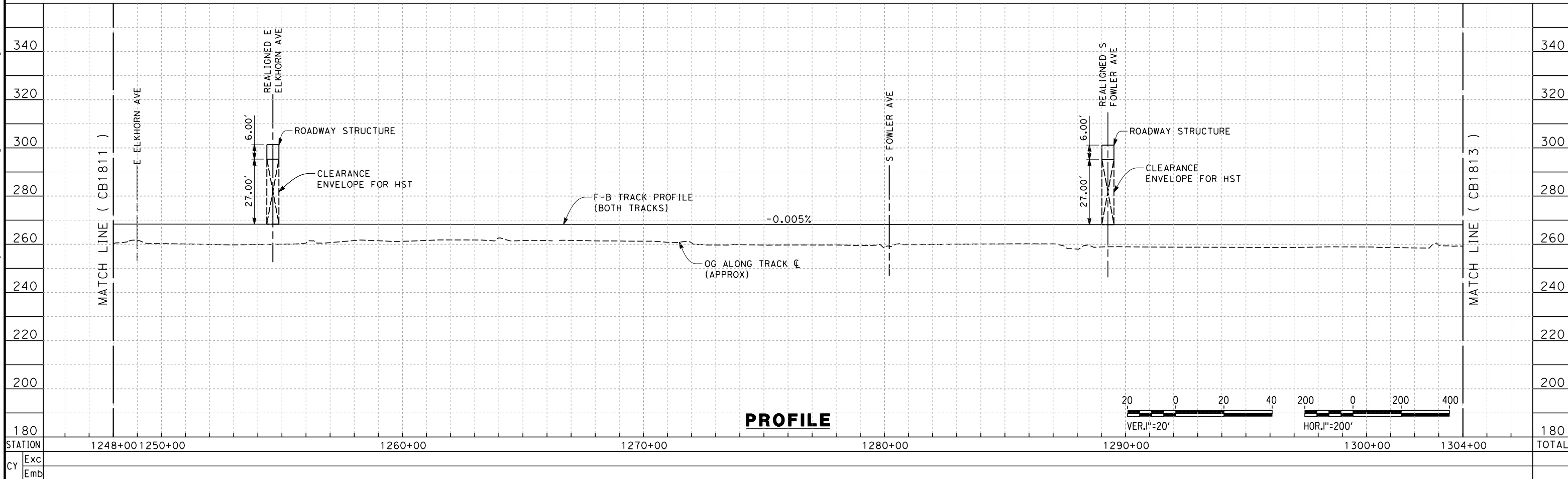
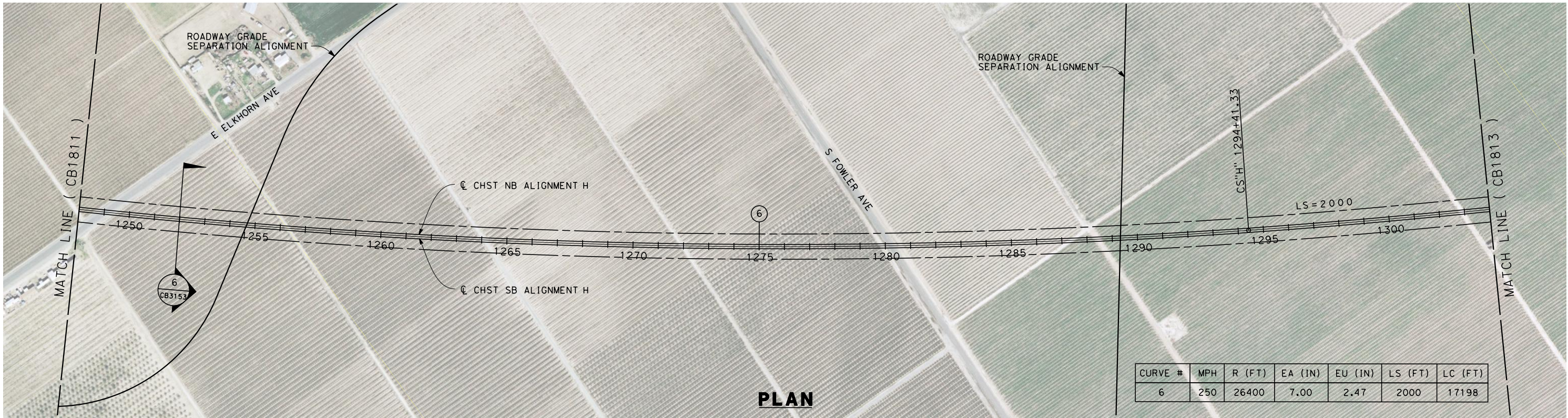


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

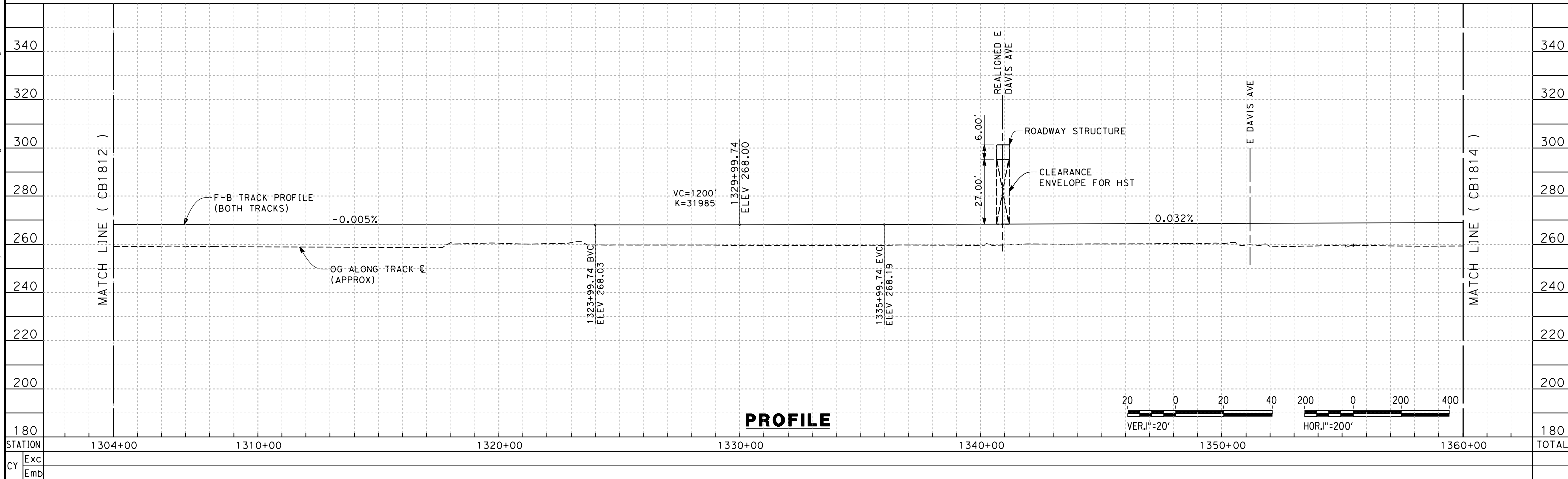
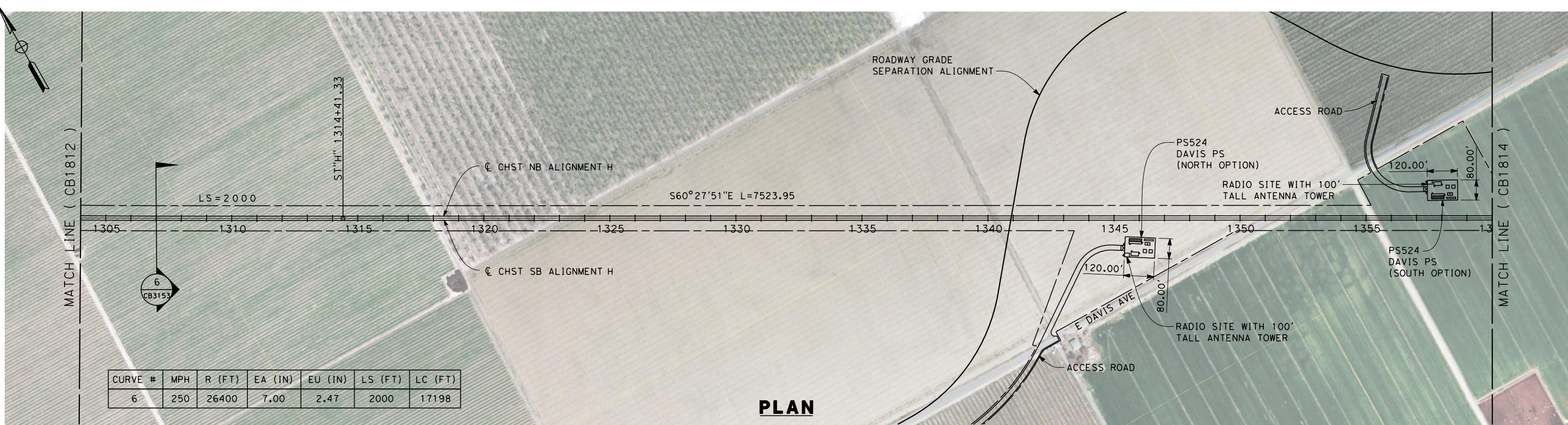
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1811
SCALE
AS SHOWN
SHEET NO.
12 OF 39

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA 1248+00 TO 1304+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1812 SCALE AS SHOWN SHEET NO. 13 OF 39	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION

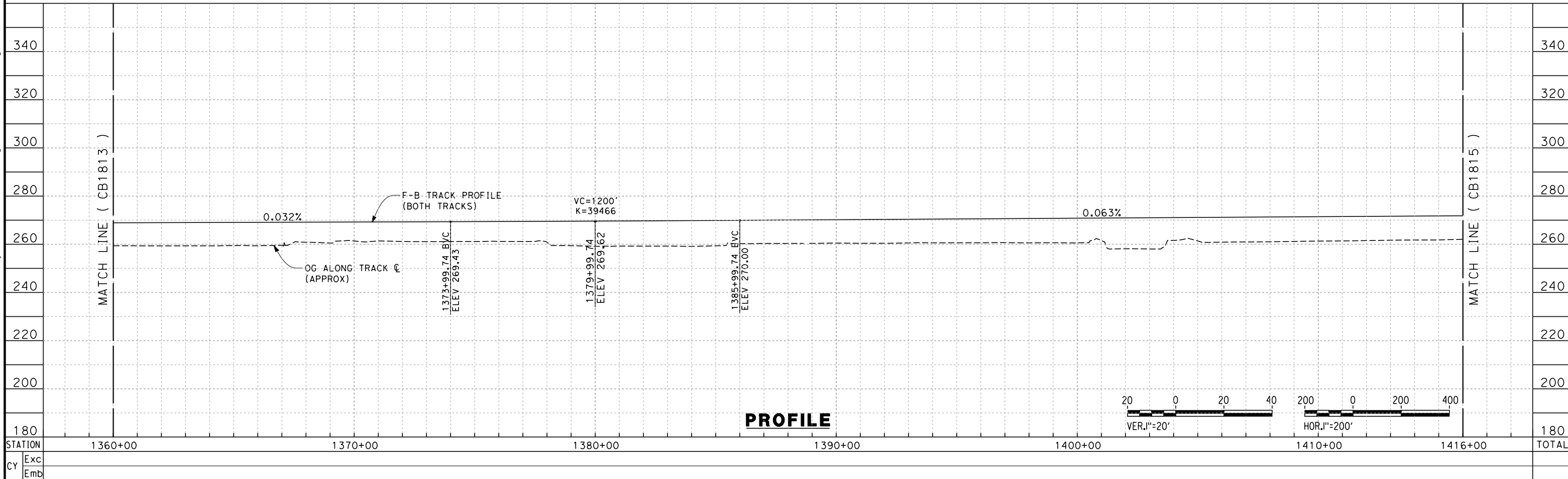
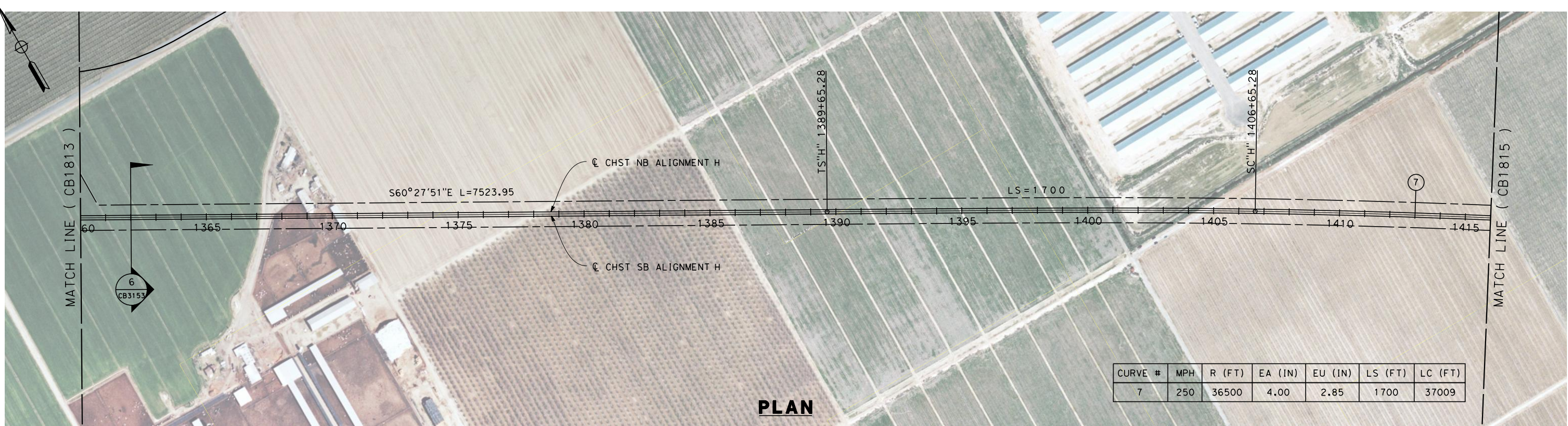
NOT FOR
CONSTRUCTION



**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.
14 OF 39

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

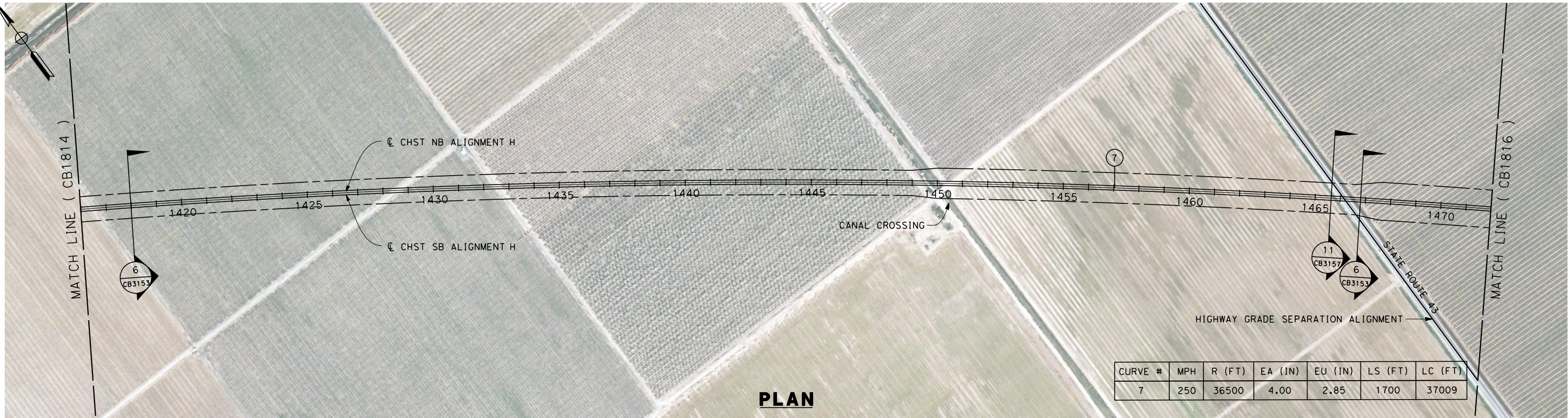


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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

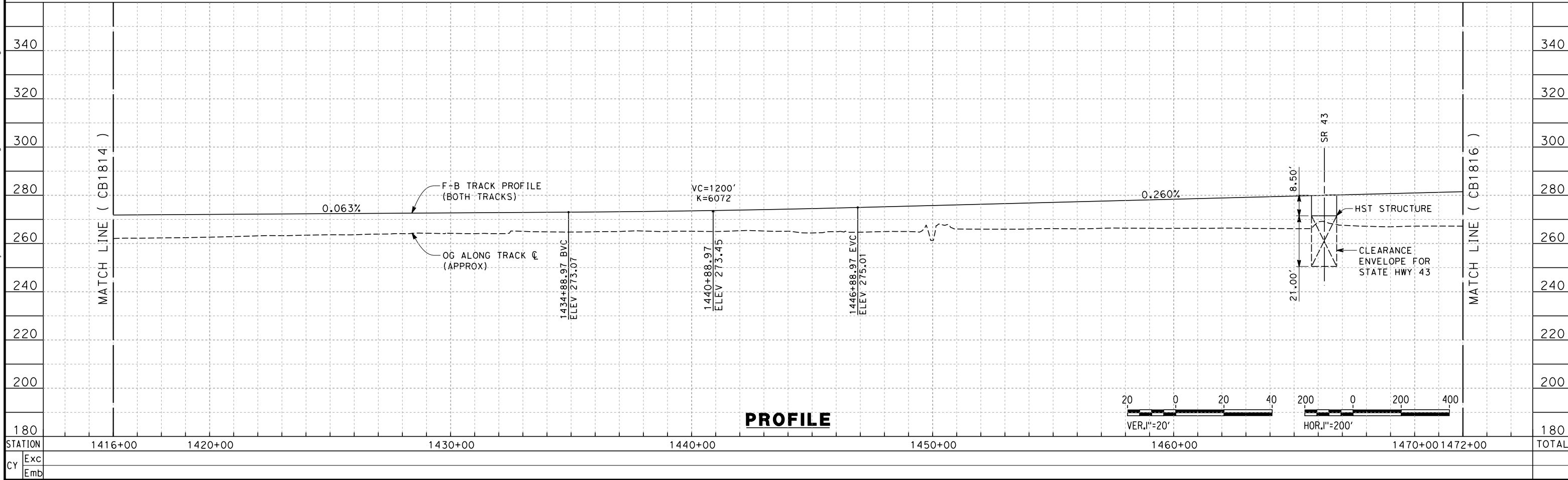
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HSR 06-0003
DRAWING NO.
CB1814
SCALE
AS SHOWN
SHEET NO.
15 OF 39

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



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

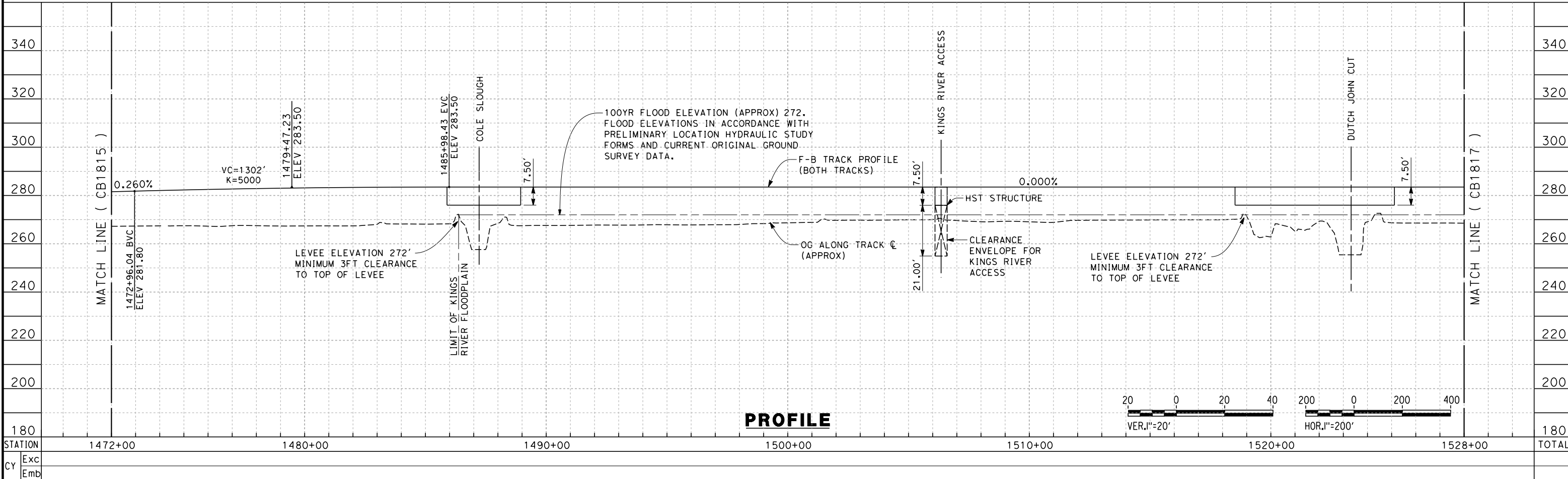
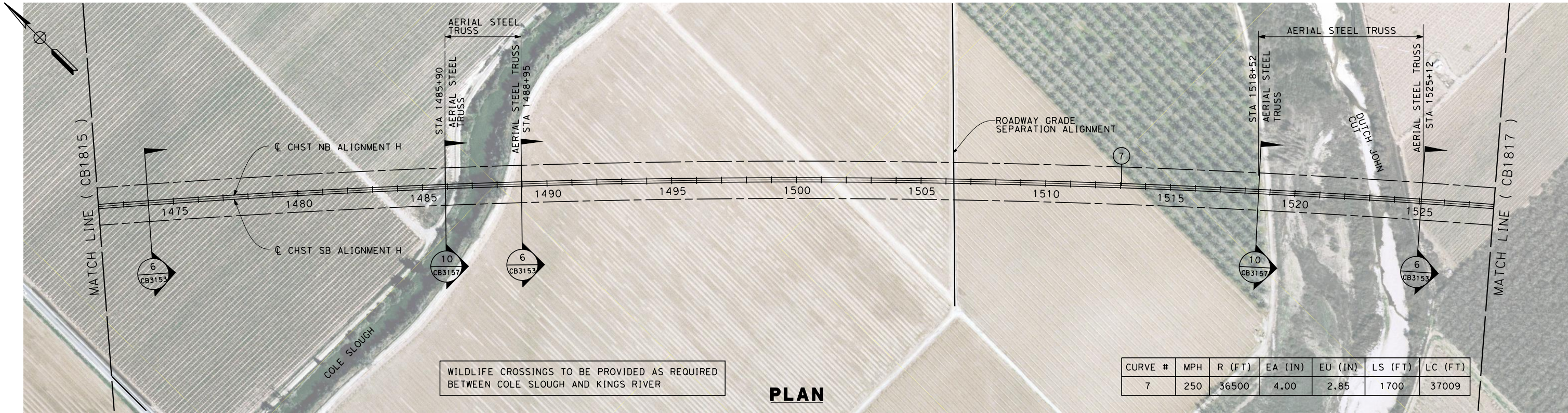


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

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

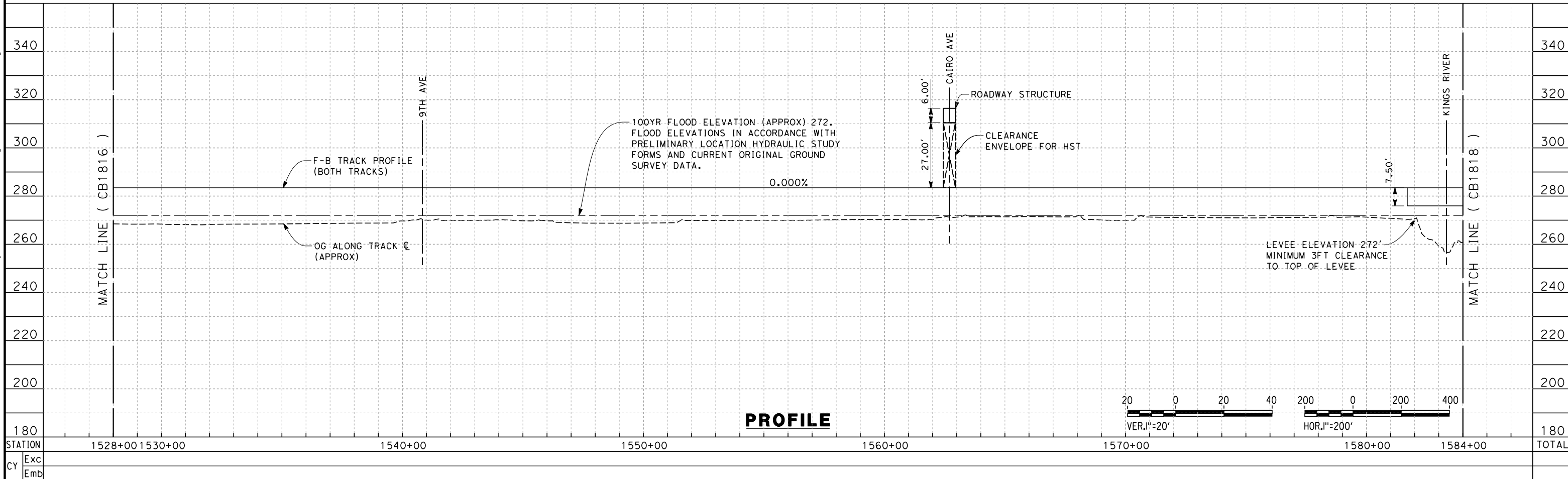
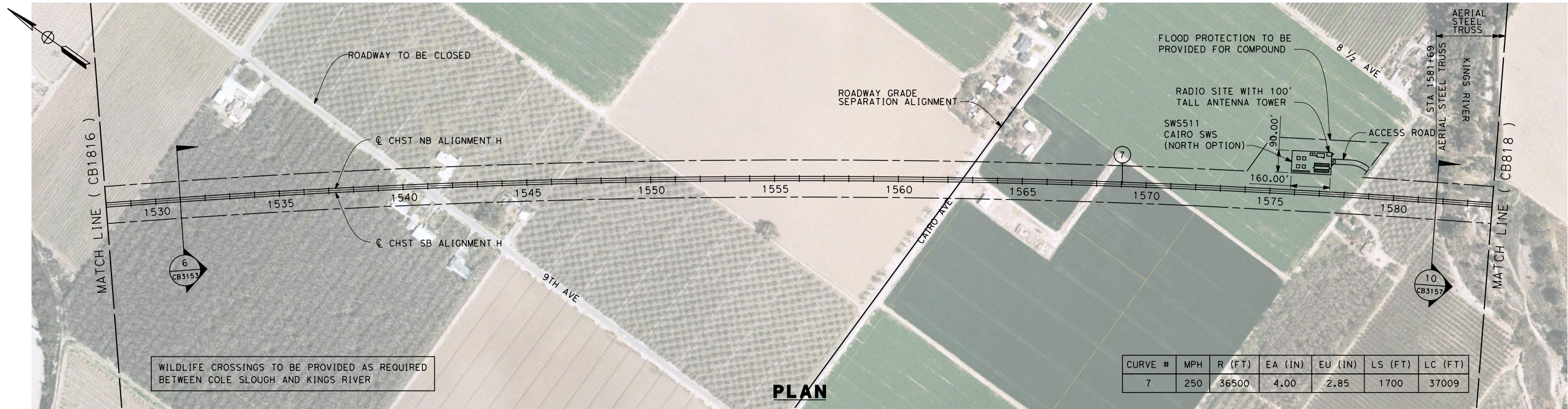
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DRAWING NO. CB1815
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SHEET NO. 16 OF 39

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 1472+00 TO 1528+00 PLAN AND PROFILE			CONTRACT NO. HSR 06-0003 DRAWING NO. CB1816 SCALE AS SHOWN SHEET NO. 17 OF 39	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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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
06/30/11

**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

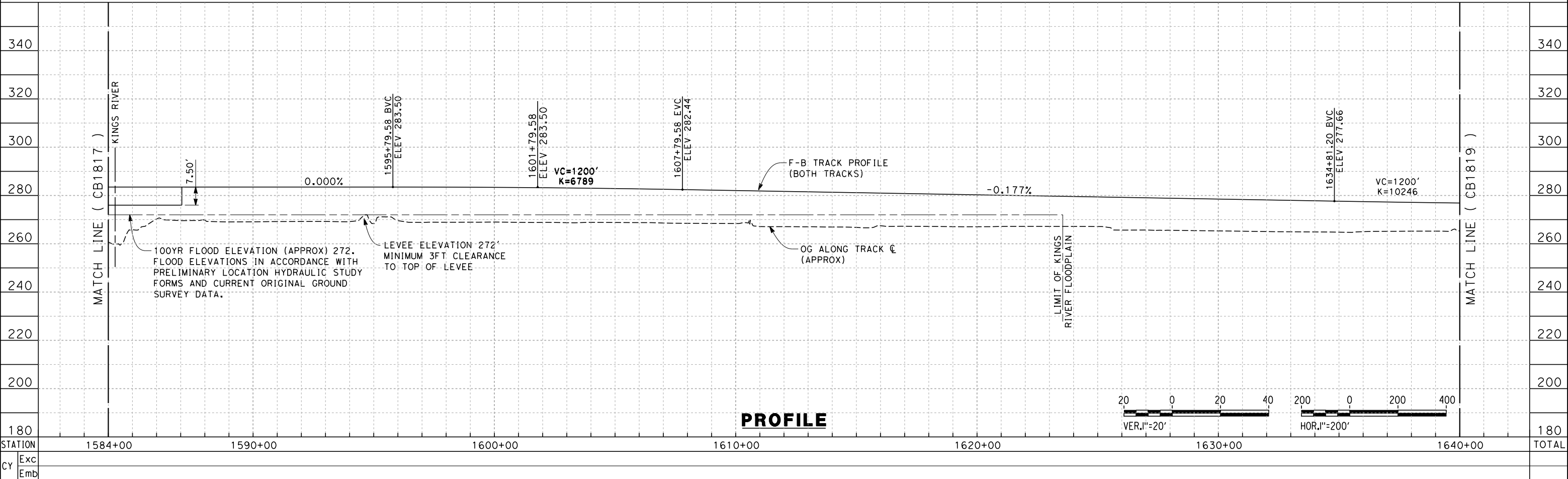
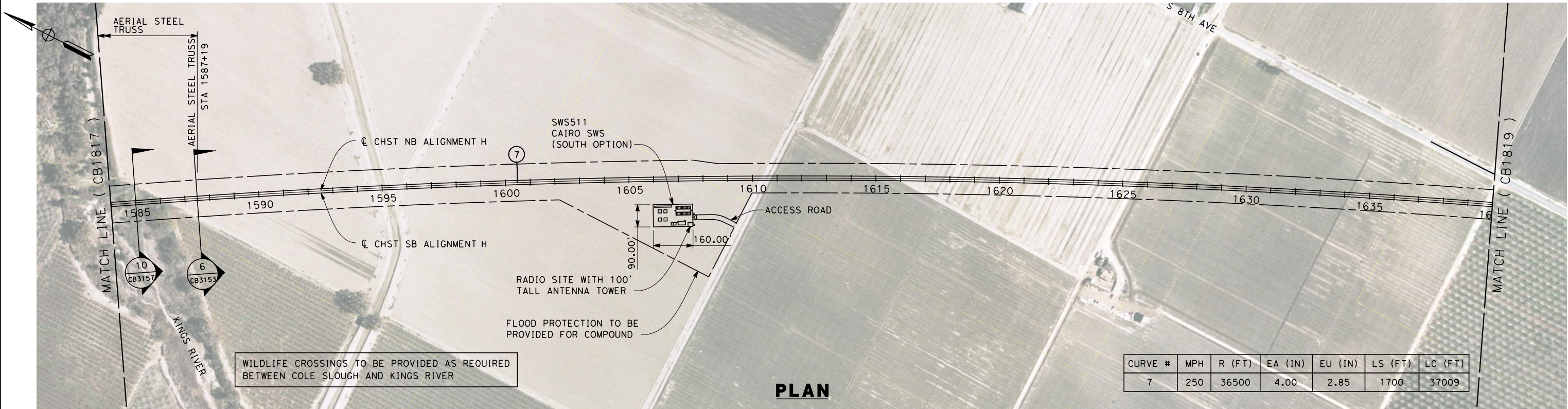
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1817

SCALE
AS SHOWN

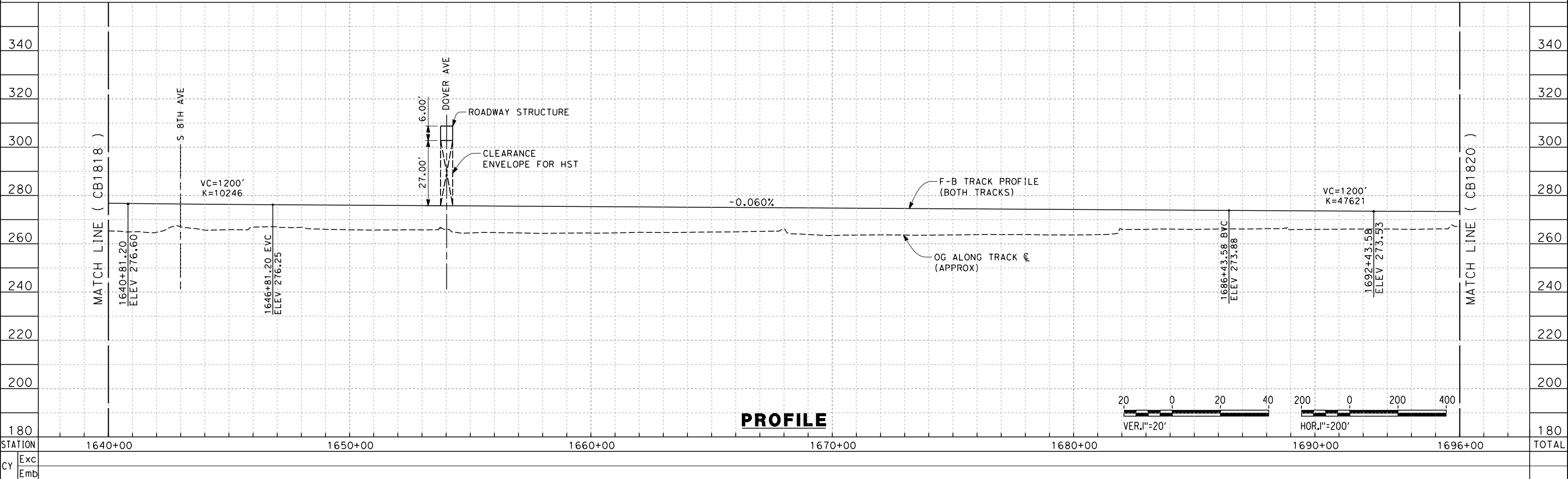
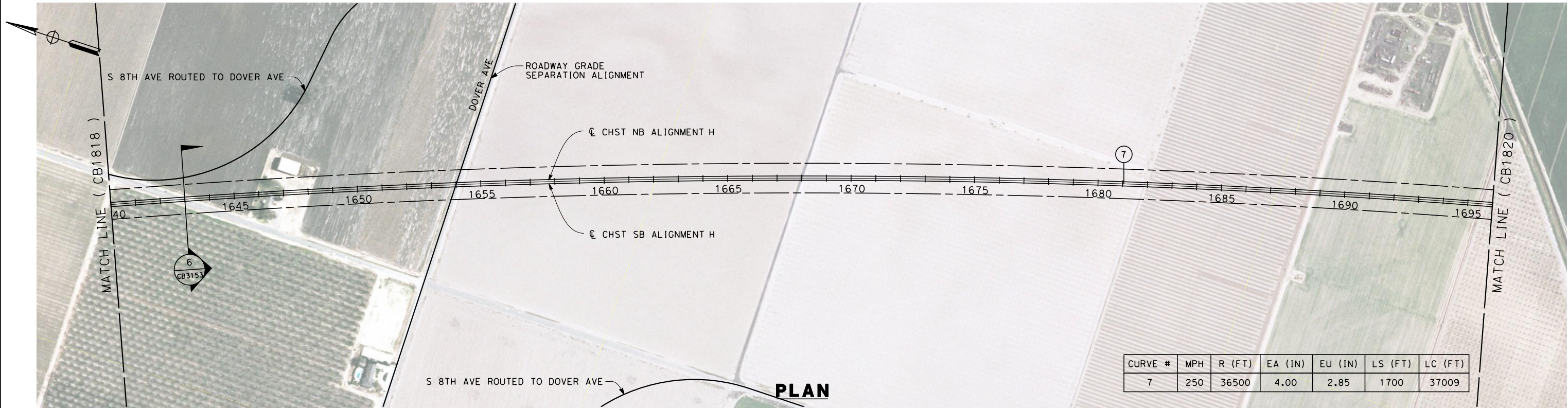
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18 OF 39

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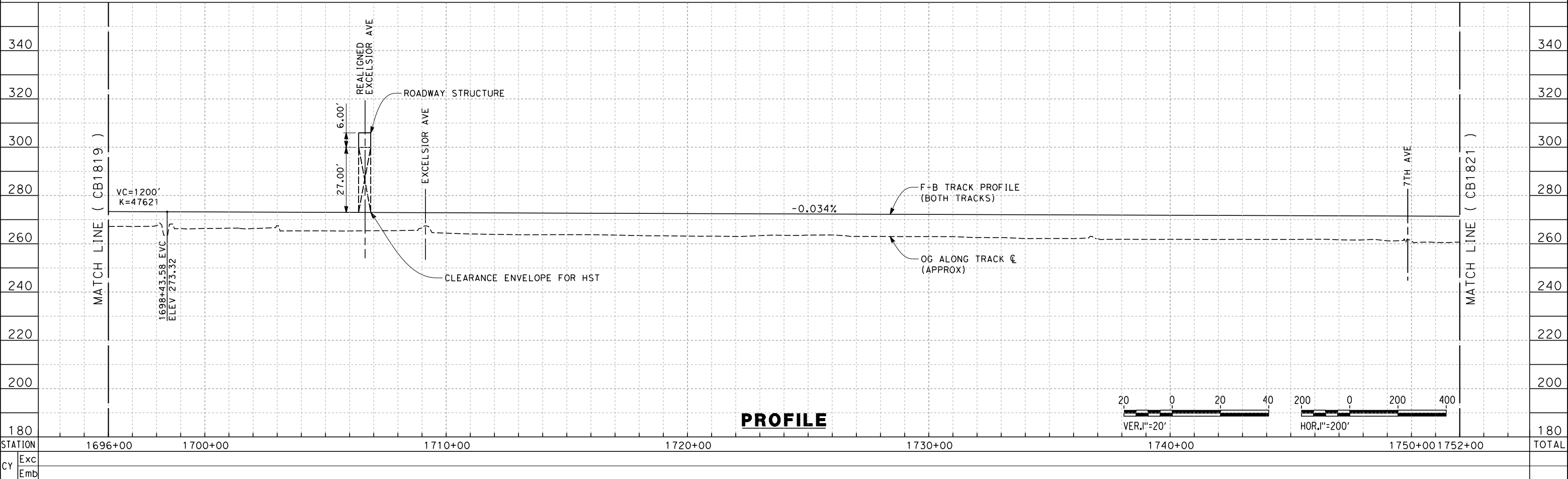
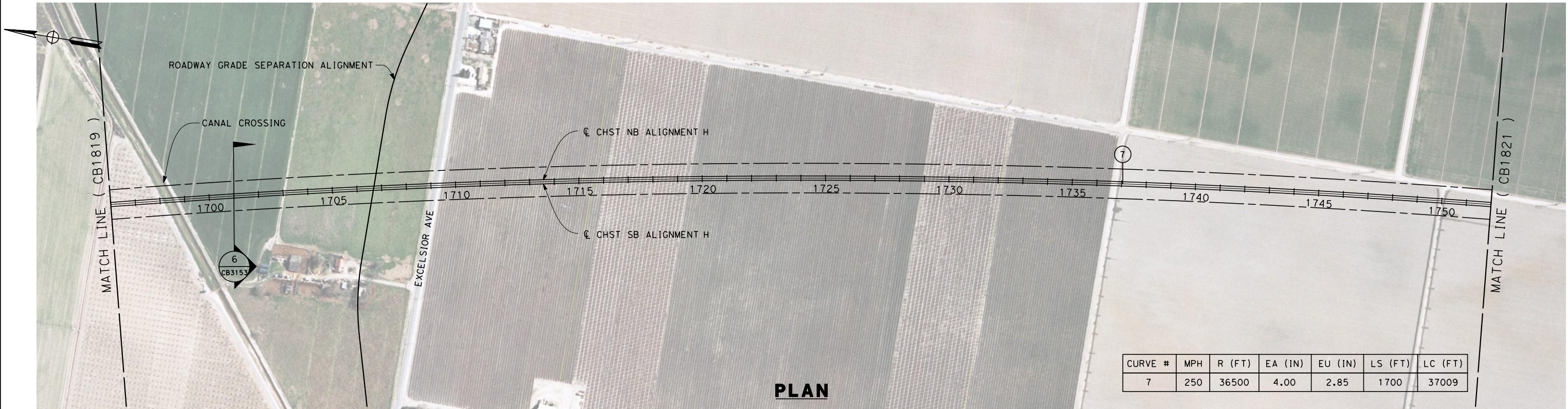
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REV	DATE	BY	CHK	APP	DESCRIPTION										

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 1640+00 TO 1696+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1819 SCALE AS SHOWN SHEET NO. 20 OF 39	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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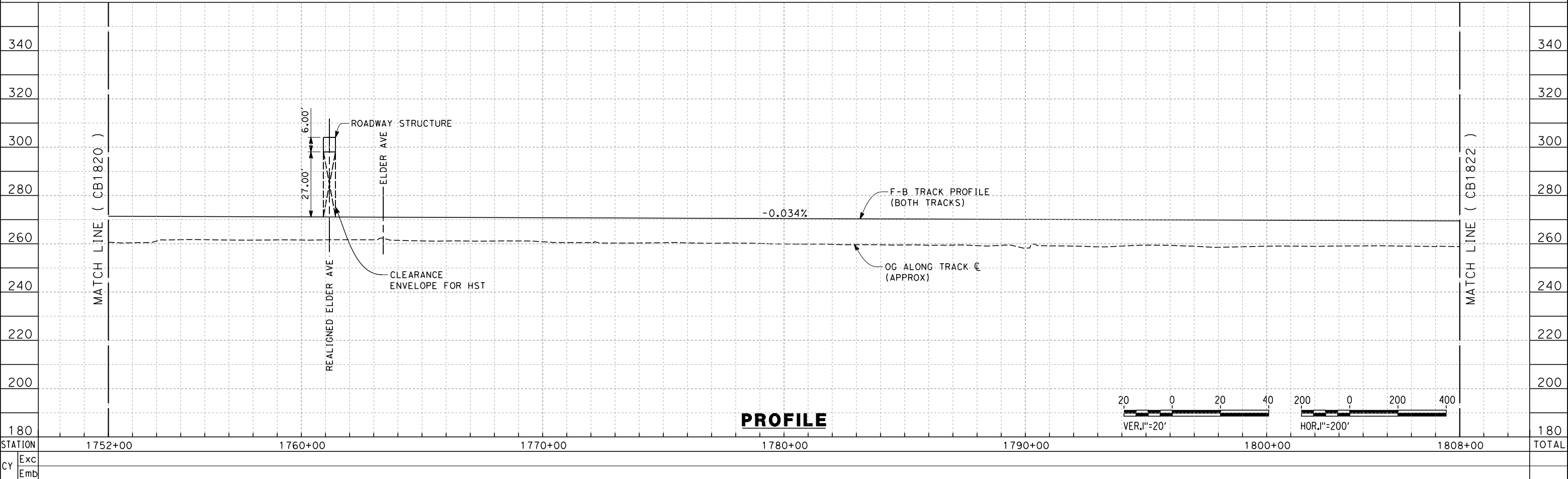
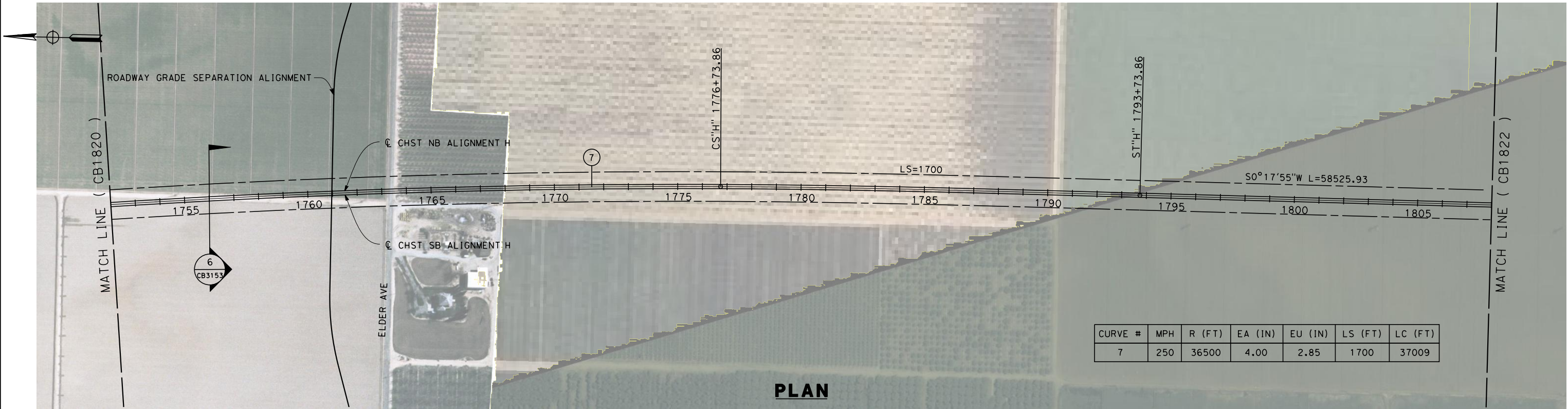


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION	 CALIFORNIA HIGH-SPEED TRAIN
DRAWN BY P. TONKIN		
CHECKED BY D. HUNT		
IN CHARGE A. LUFT		
DATE 05/13/11		 CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD		CONTRACT NO. HSR 06-0003
HANFORD SUBSECTION ALIGNMENT H STA. 1696+00 TO 1752+00 PLAN AND PROFILE		DRAWING NO. CB1820
		SCALE AS SHOWN
		SHEET NO. 21 OF 39

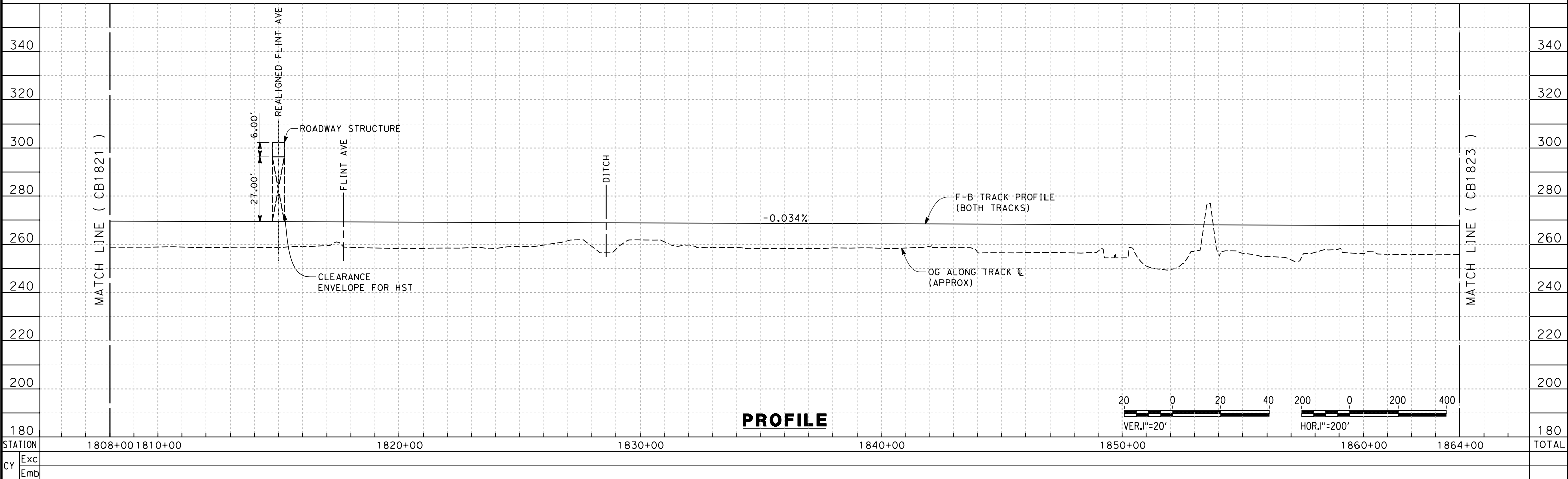
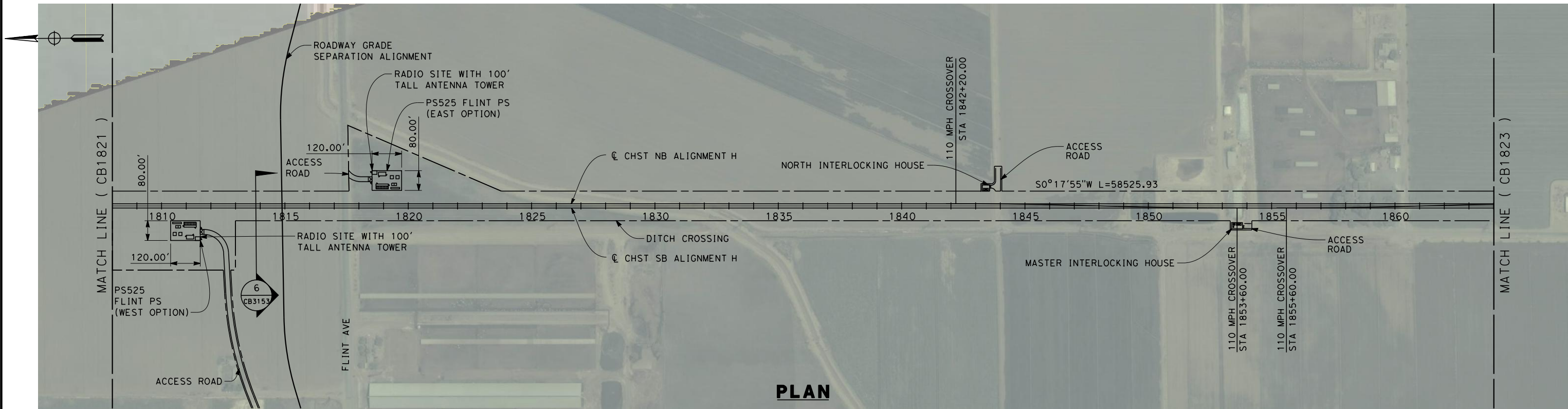
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DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 1752+00 TO 1808+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY P. TONKIN					DRAWING NO. CB1821
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE A. LUFT					SHEET NO. 22 OF 39
DATE 05/13/11					

REV	DATE	BY	CHK	APP	DESCRIPTION

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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
06/30/11

RECORD SET 15%
DESIGN SUBMISSION

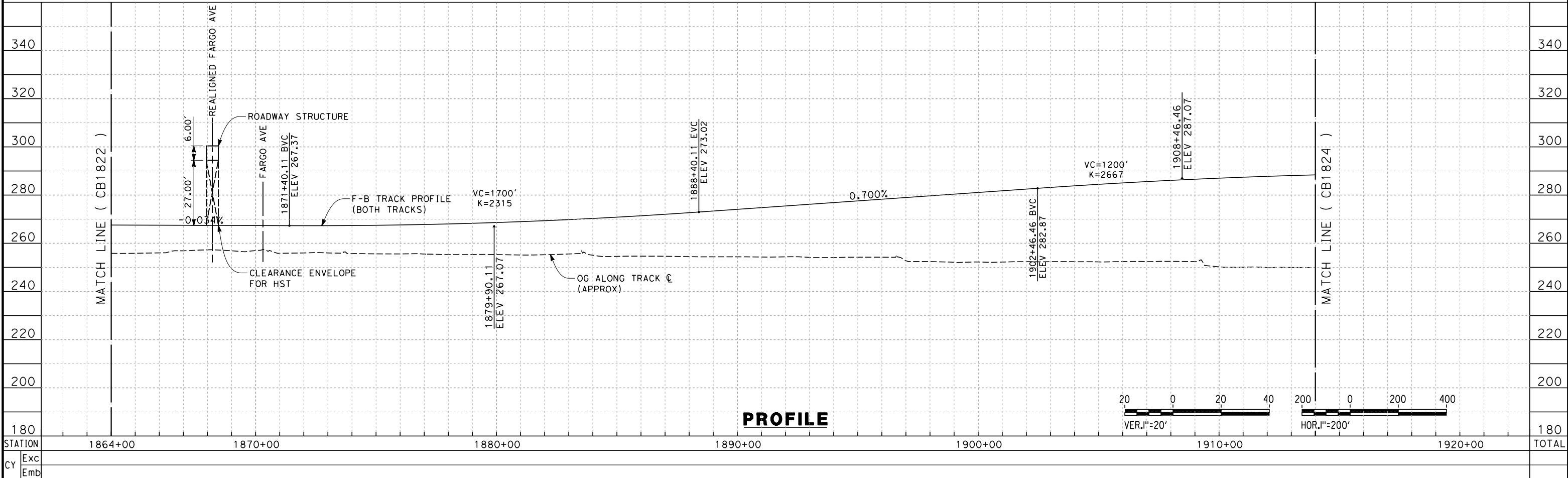
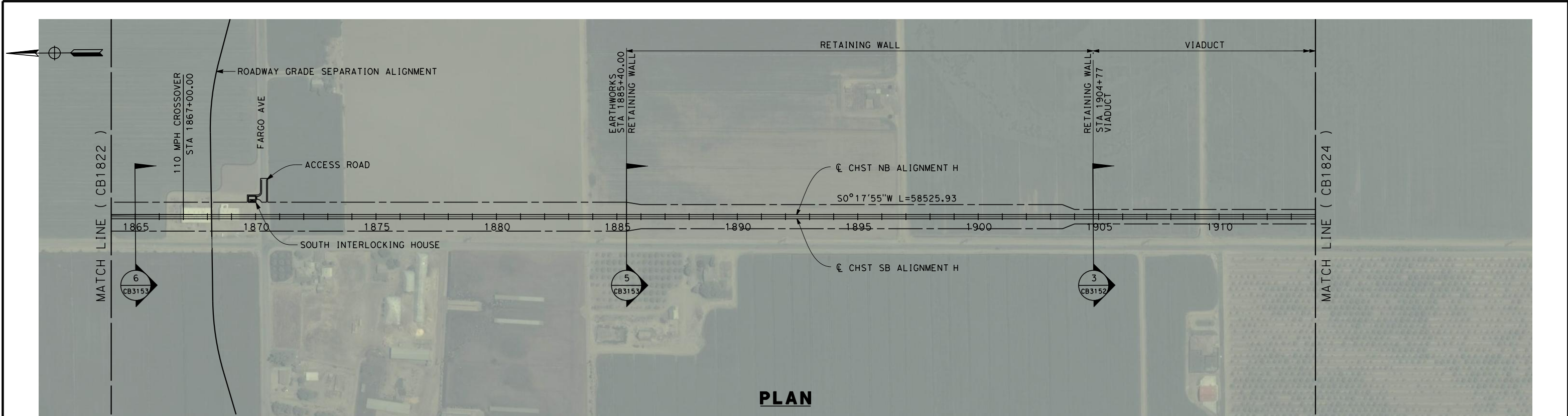
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
STA. 1808+00 TO 1864+00
PLAN AND PROFILE

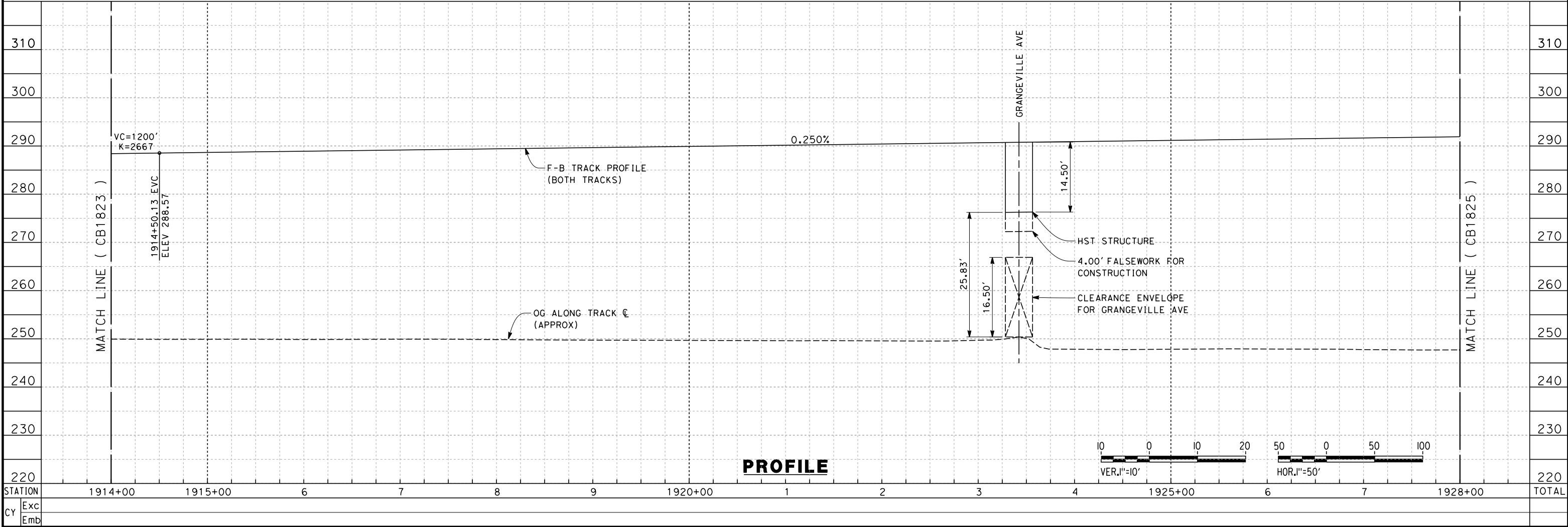
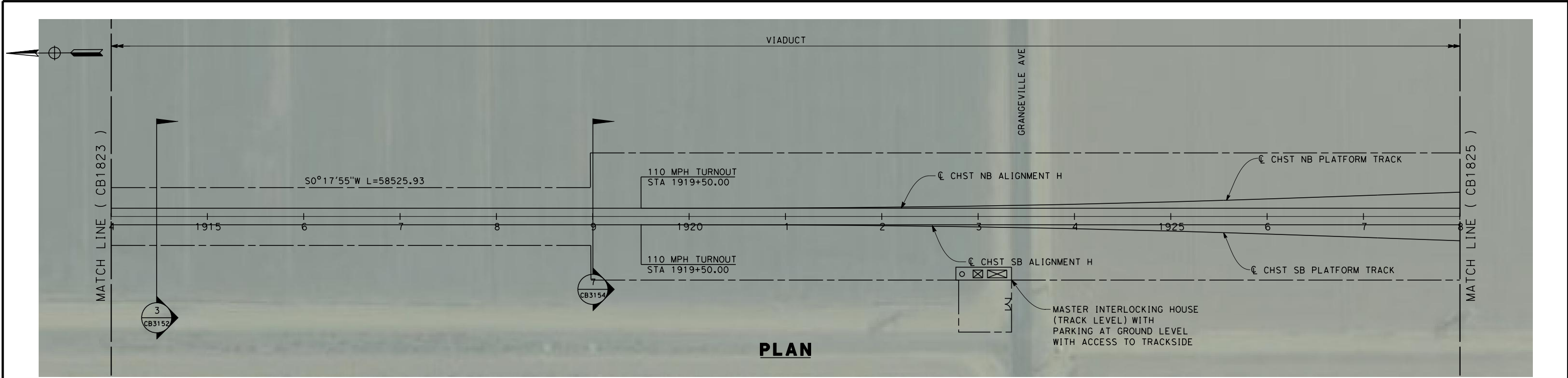
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HSR 06-0003
DRAWING NO.
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23 OF 39

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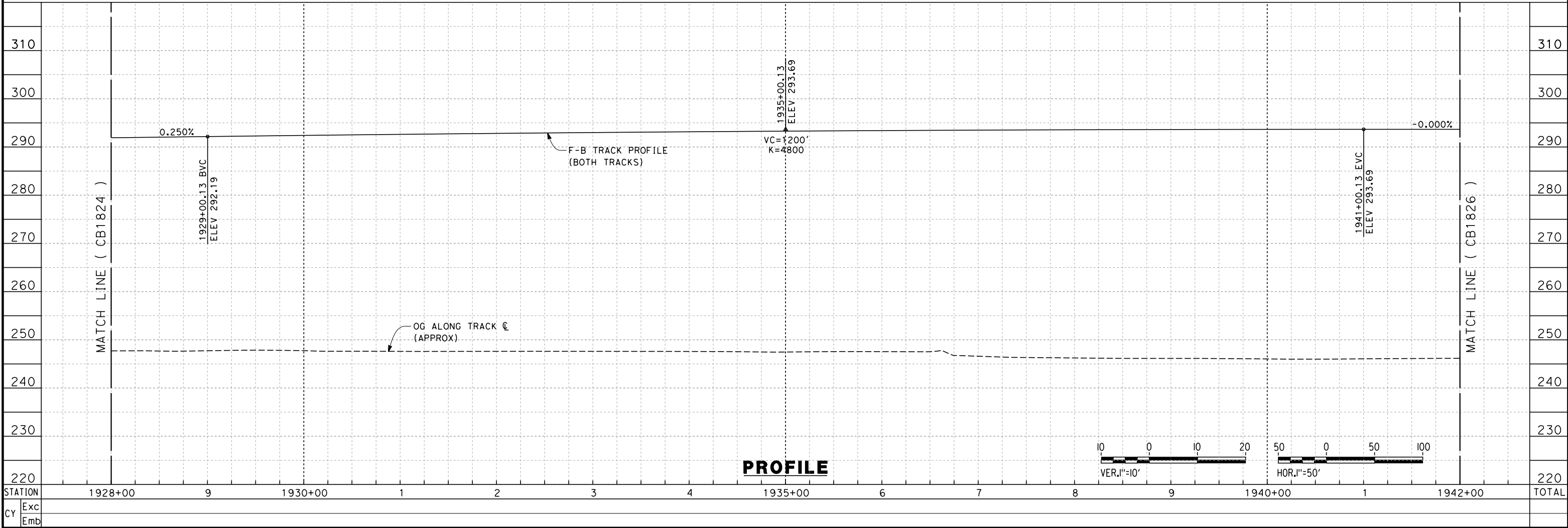
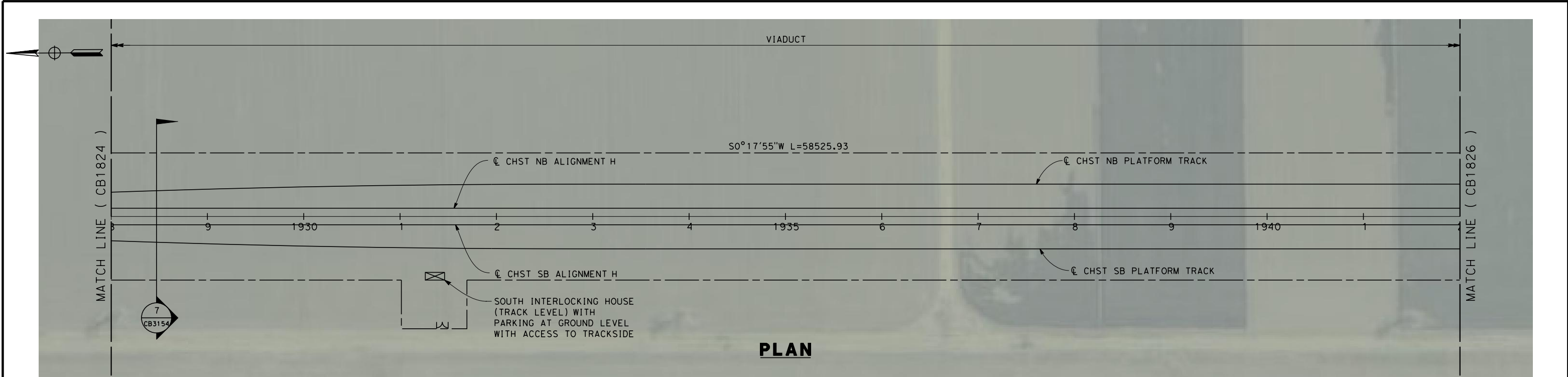
DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 1864+00 TO 1914+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1823
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									SHEET NO. 24 OF 39

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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 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

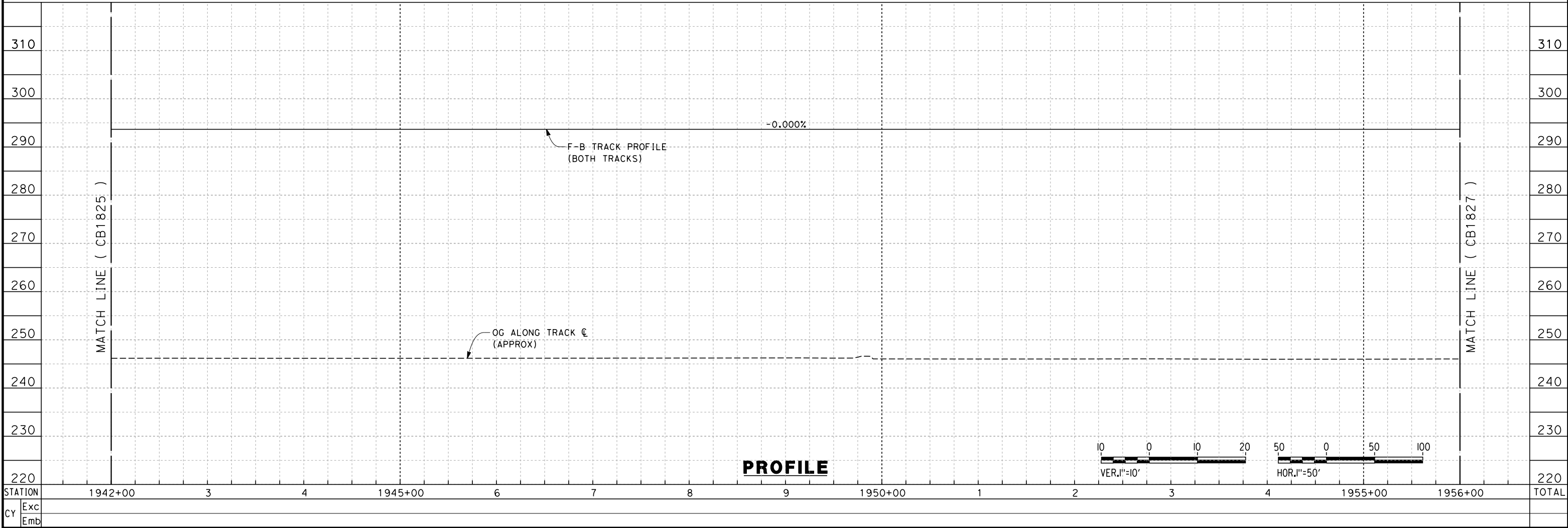
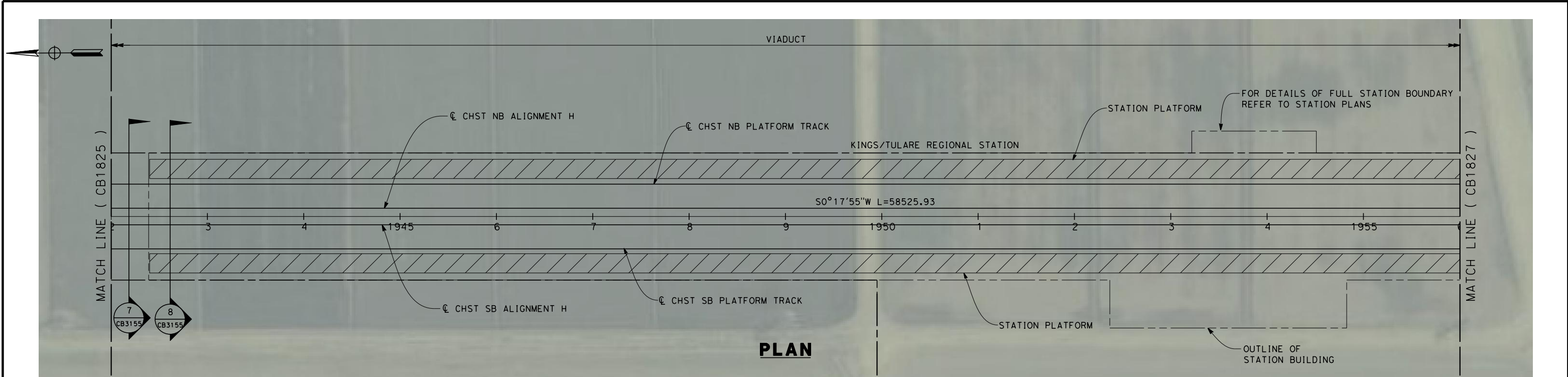


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
STA. 1928+00 TO 1942+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1825
SCALE AS SHOWN
SHEET NO. 26 OF 39

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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
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

HANFORD SUBSECTION
ALIGNMENT H
STA. 1942+00 TO 1956+00
PLAN AND PROFILE

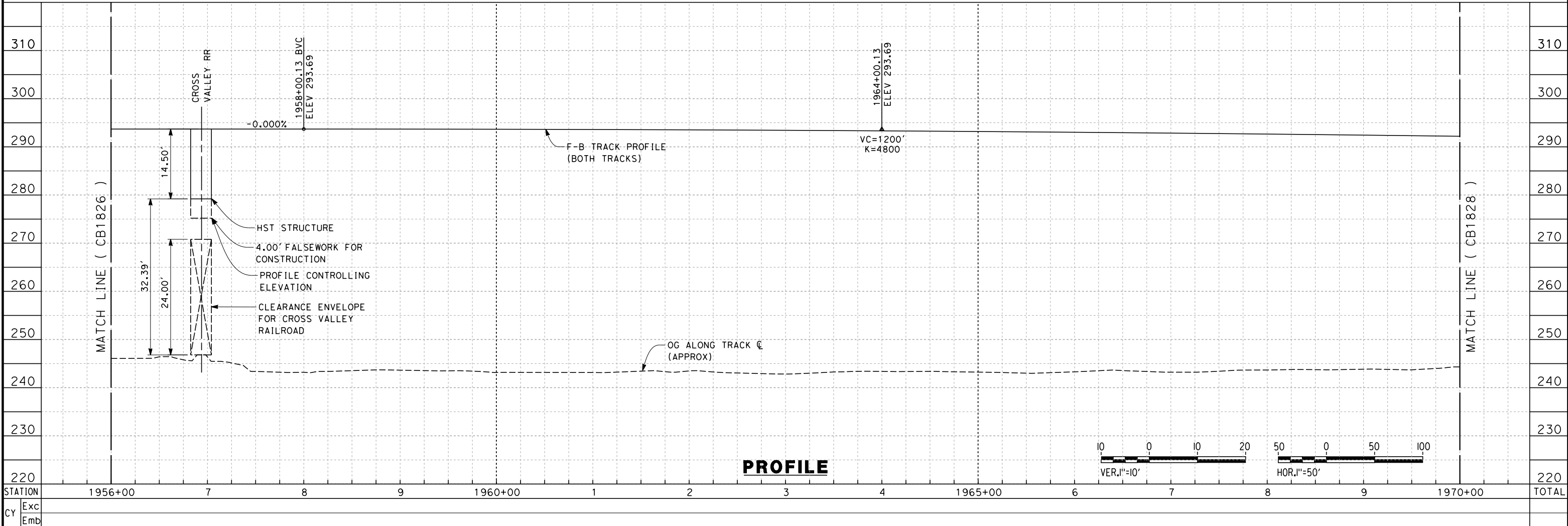
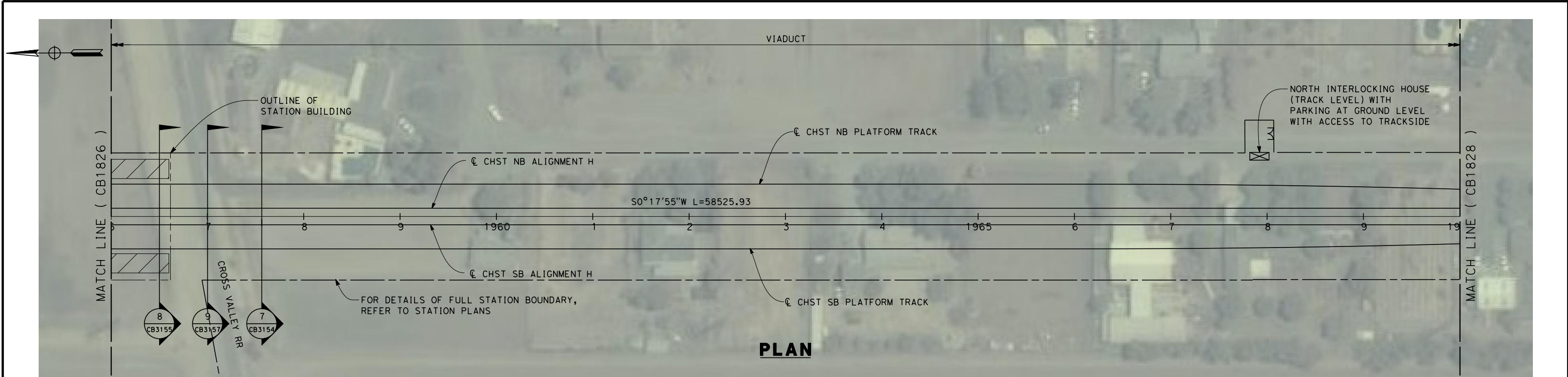
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1826

SCALE
AS SHOWN

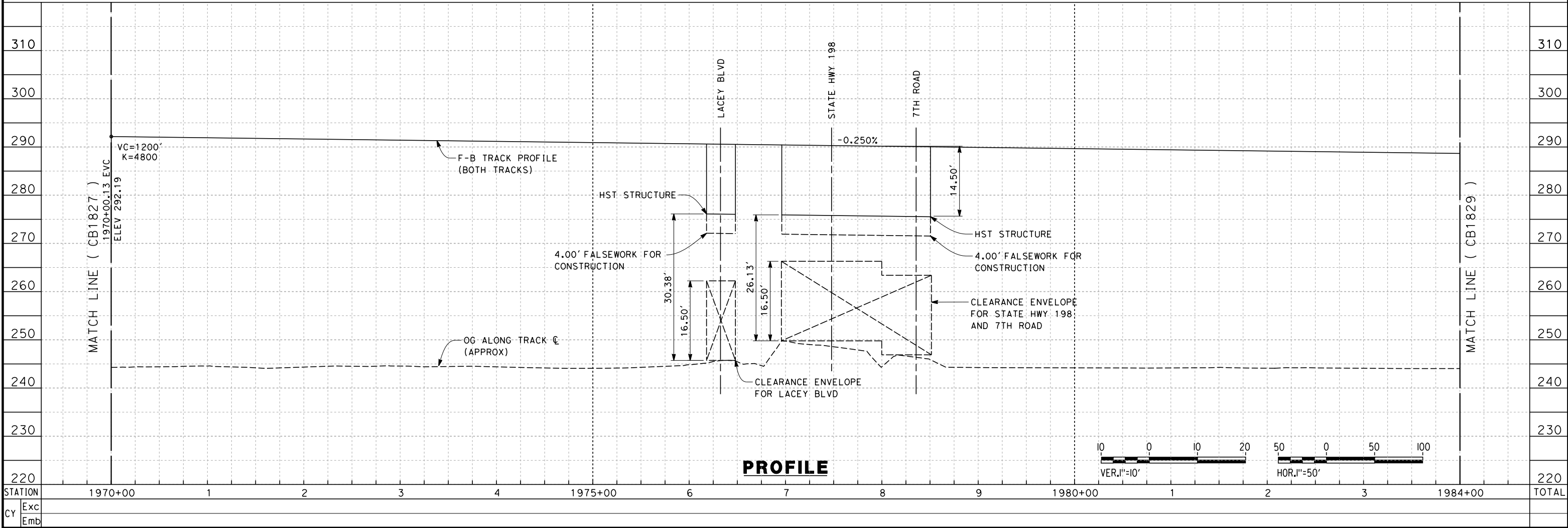
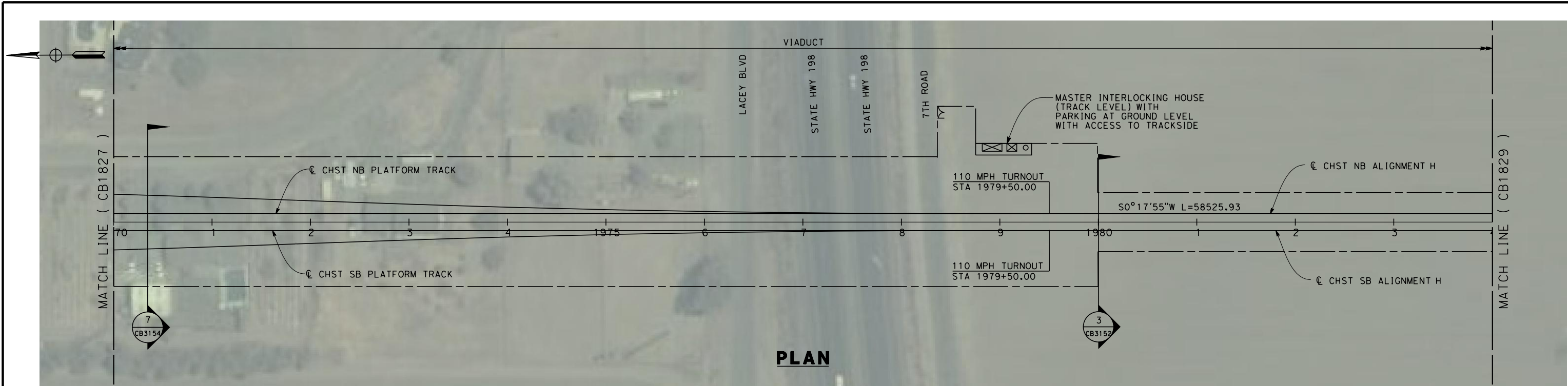
SHEET NO.
27 OF 39

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						DESIGNED BY K. SEYMOUR	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
					DRAWN BY P. TONKIN	DRAWING NO. CB1827					
					CHECKED BY D. HUNT	SCALE AS SHOWN					
					IN CHARGE A. LUFT	SHEET NO. 28 OF 39					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11					

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

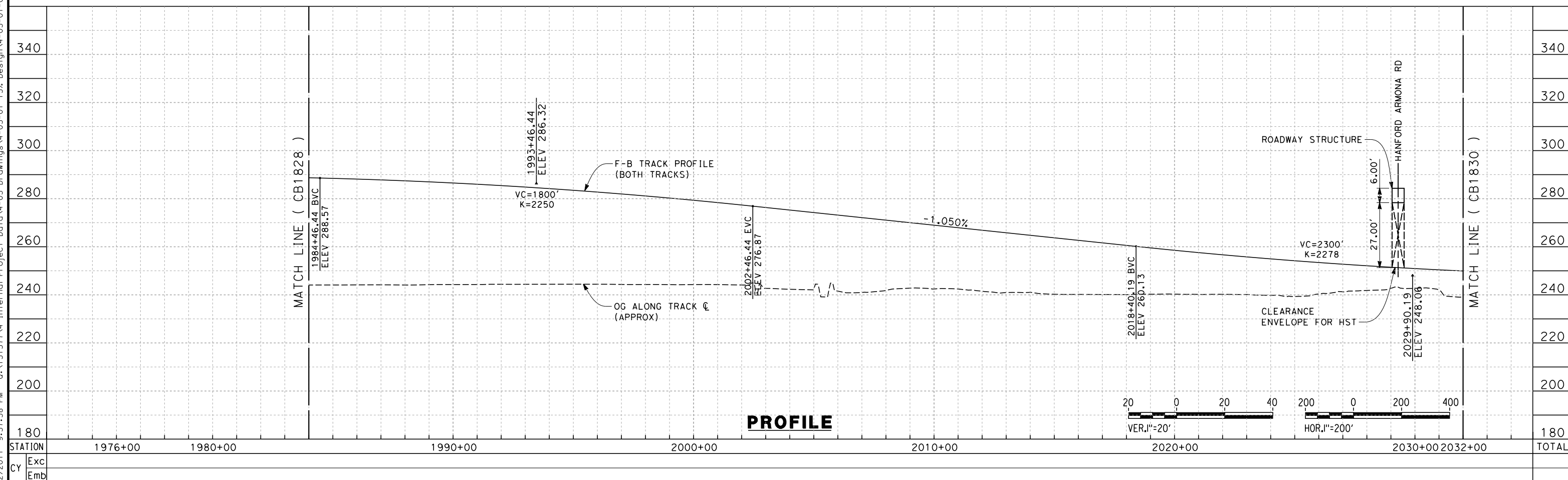
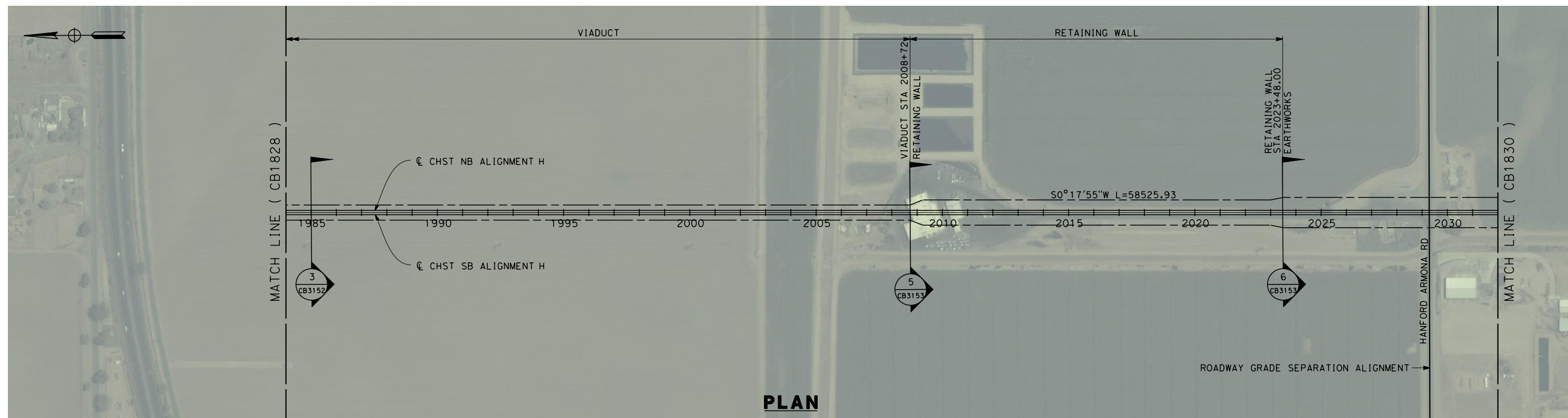
HANFORD SUBSECTION
ALIGNMENT H
STA. 1970+00 TO 1984+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003

DRAWING NO.
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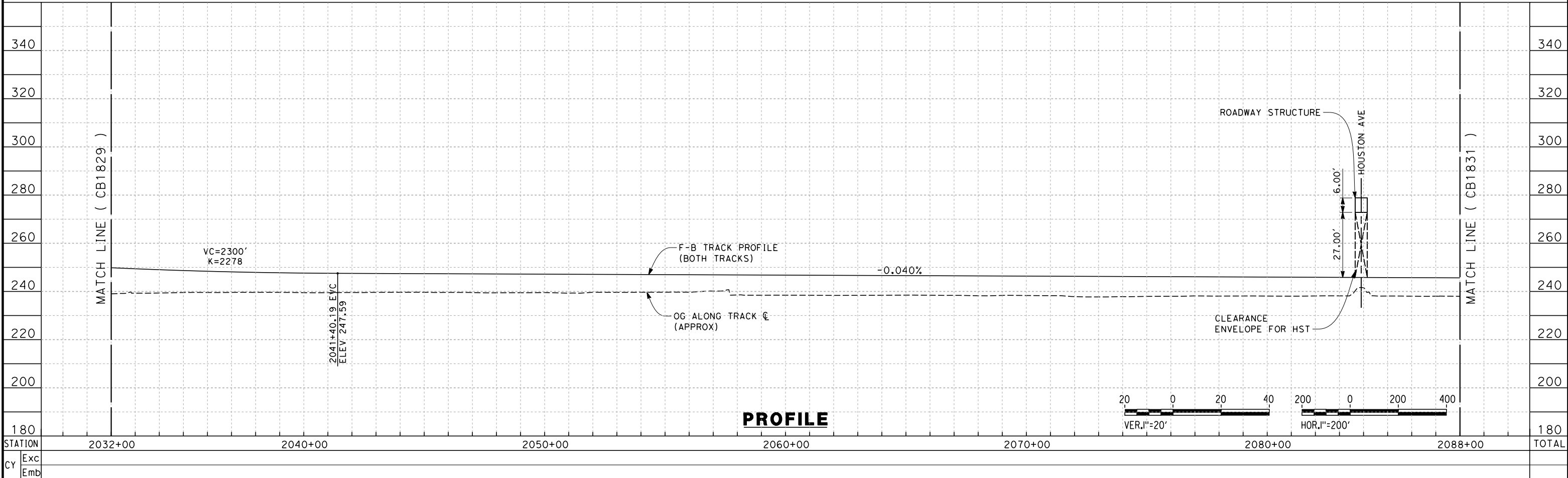
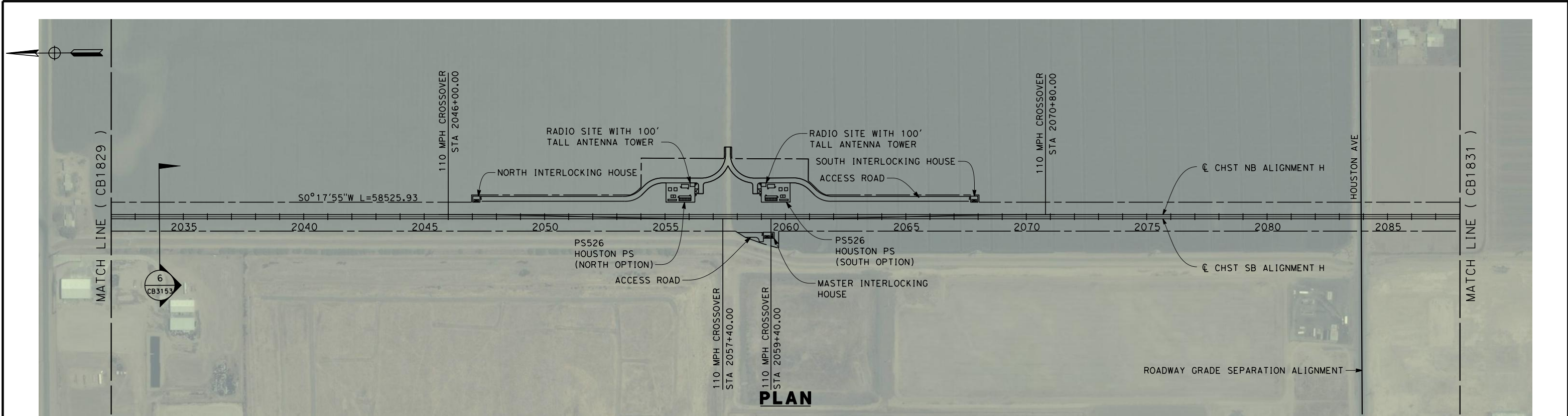
SCALE
AS SHOWN

SHEET NO.
29 OF 39

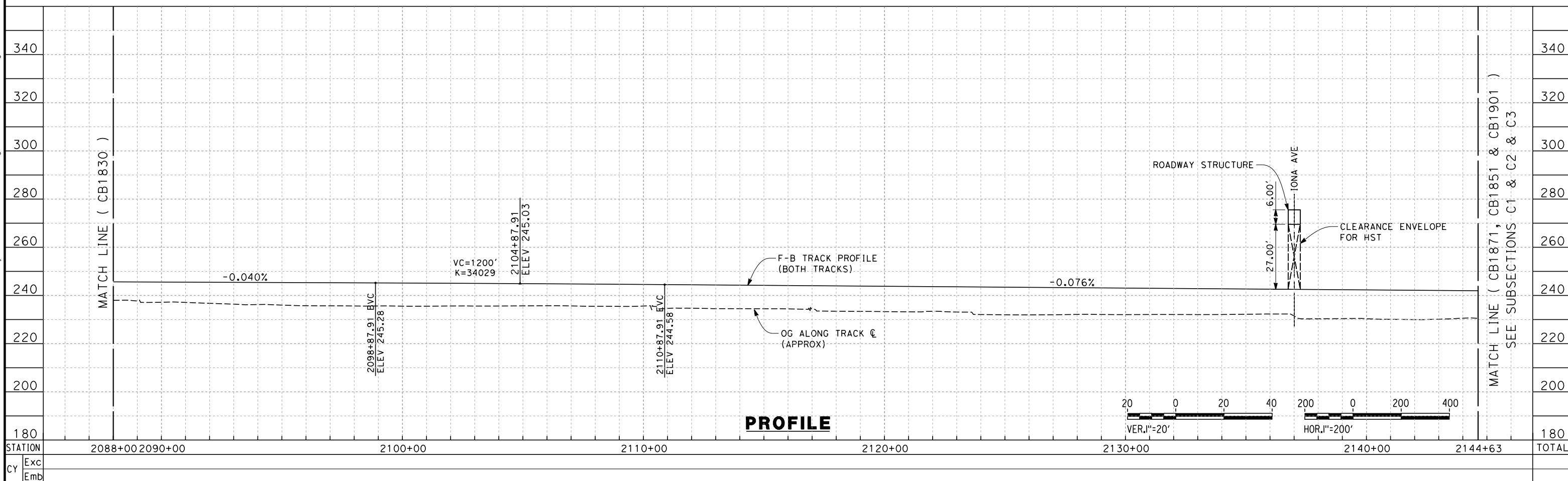
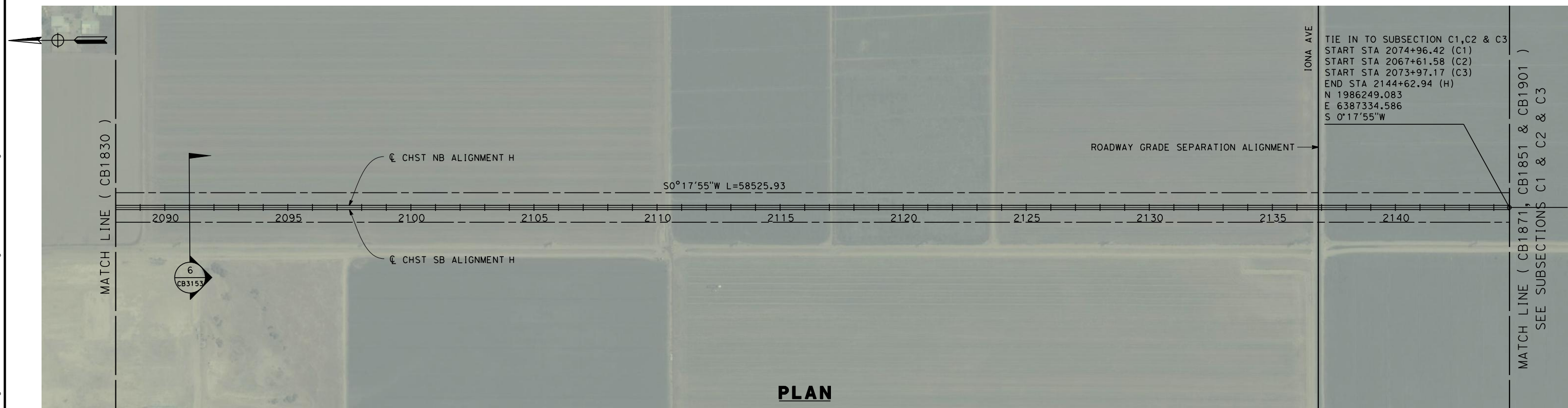


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						DRAWN BY P. TONKIN				DRAWING NO. CB1829
						CHECKED BY D. HUNT				SCALE AS SHOWN
						IN CHARGE A. LUFT				SHEET NO. 30 OF 39
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11				

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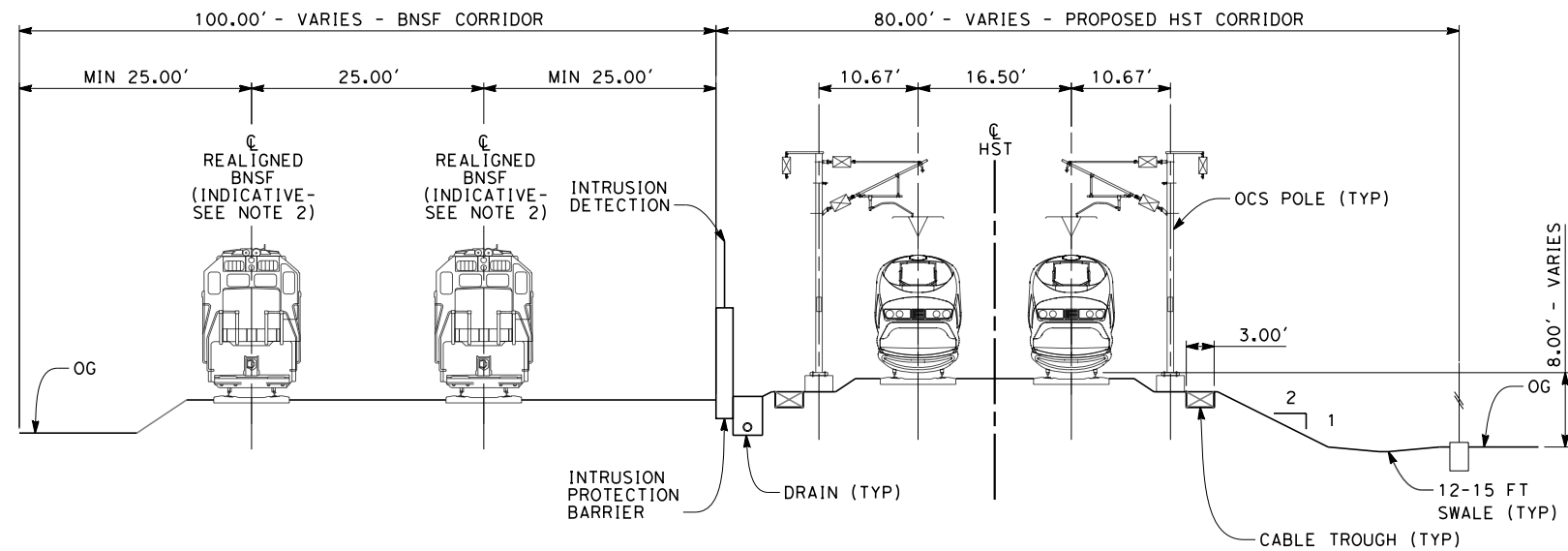


DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 2032+00 TO 2088+00 PLAN AND PROFILE				CONTRACT NO. HSR 06-0003 DRAWING NO. CB1830 SCALE AS SHOWN SHEET NO. 31 OF 39	
REV	DATE	BY	CHK	APP	DESCRIPTION												



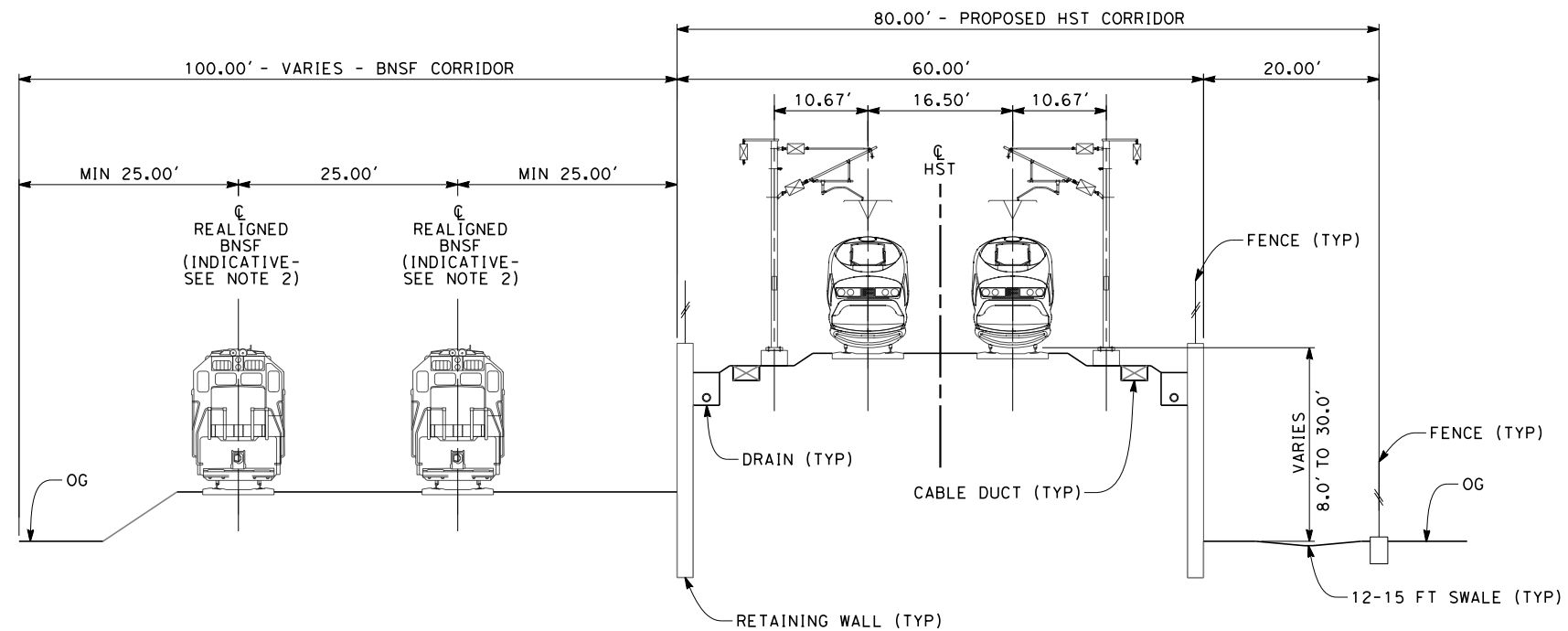
						DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H STA. 2088+00 TO 2144+63 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
						DRAWN BY P. TONKIN					DRAWING NO. CB1831
						CHECKED BY D. HUNT					SCALE AS SHOWN
						IN CHARGE A. LUFT					SHEET NO. 32 OF 39
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11					

frank.palermo 7/25/2011 9:58:46 AM 0:\1315177\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design Sheets\Rail\HSR 15% Design\Cross Sections\HFB-CB-3151-H.dgn



SECTION 1

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 629+59 THROUGH STA 1034+50
STA 1062+00 THROUGH STA 1091+00



SECTION 2

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT
STA 1091+00 THROUGH STA 1110+40

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. INDICATIVE BNSF REALIGNMENT SHOWN PROVIDING MINIMUM OFFSET TO TO HST CORRIDOR. EXTENT OF ACTUAL REALIGNMENT TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

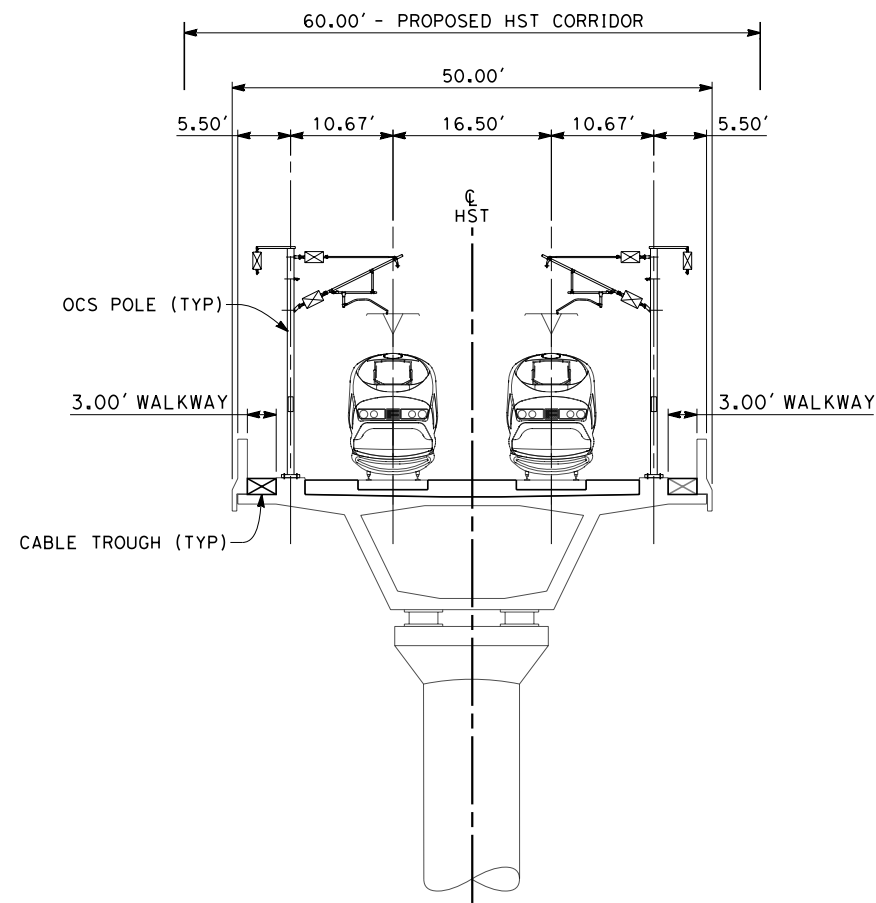


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

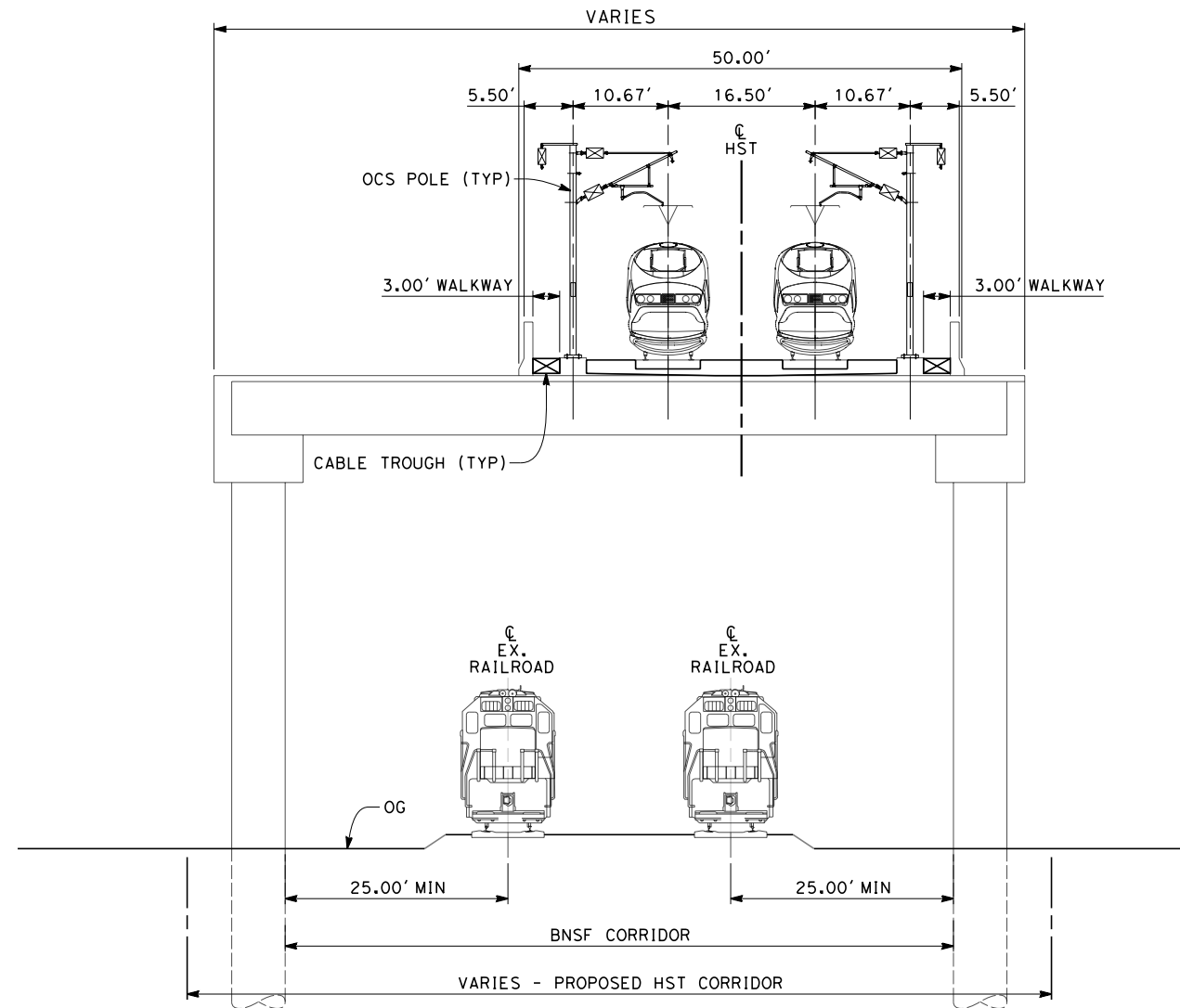
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3151
SCALE AS SHOWN
SHEET NO. 33 OF 39

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SECTION 3

TWIN TRACK - AERIAL STRUCTURE
STA 1110+40 THROUGH STA 1122+40
STA 1137+64 THROUGH STA 1159+24
STA 1904+77 THROUGH STA 1919+00
STA 1980+00 THROUGH STA 2008+72



SECTION 4

TWIN TRACK - ELEVATED SLAB
STA 1122+40 THROUGH STA 1137+64

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.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



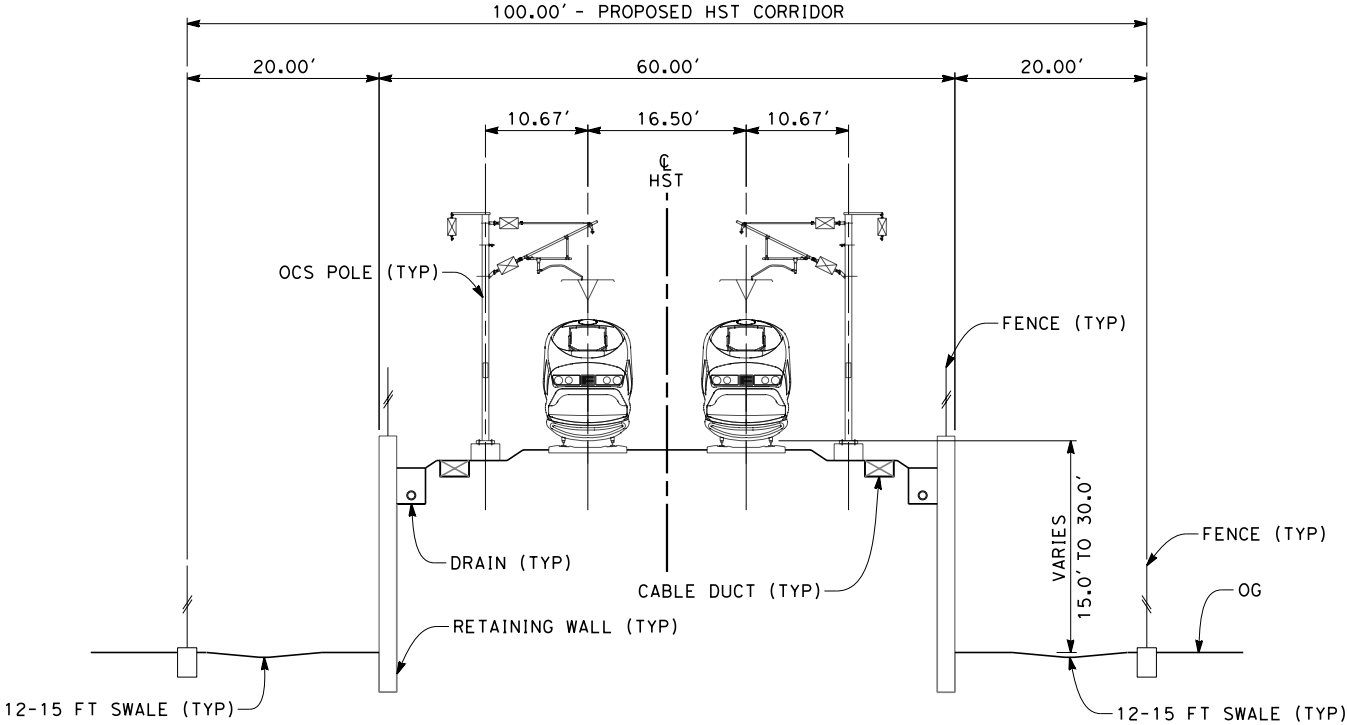
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3152
SCALE AS SHOWN
SHEET NO. 34 OF 39

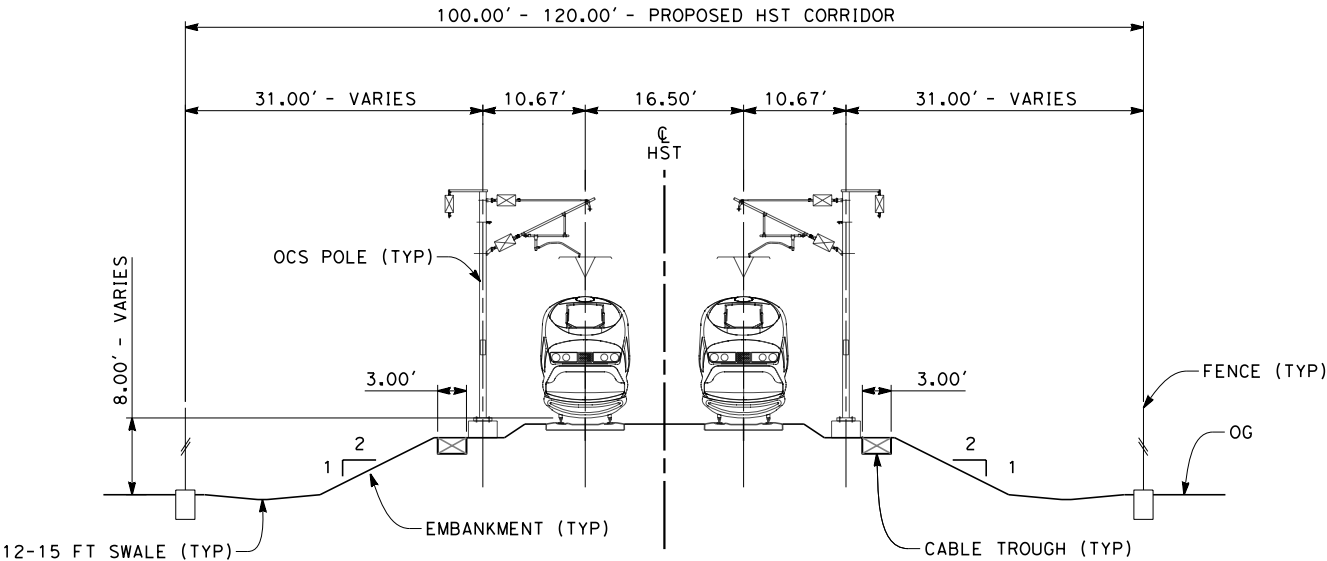
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.



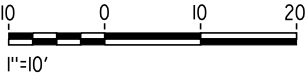
SECTION 5

TWIN TRACK - EMBANKMENT WITH CLOSED DRAINAGE
STA 1159+24 THROUGH STA 1174+00
STA 1885+40 THROUGH STA 1904+77
STA 2008+72 THROUGH STA 2023+48



SECTION 6

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 1174+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 A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



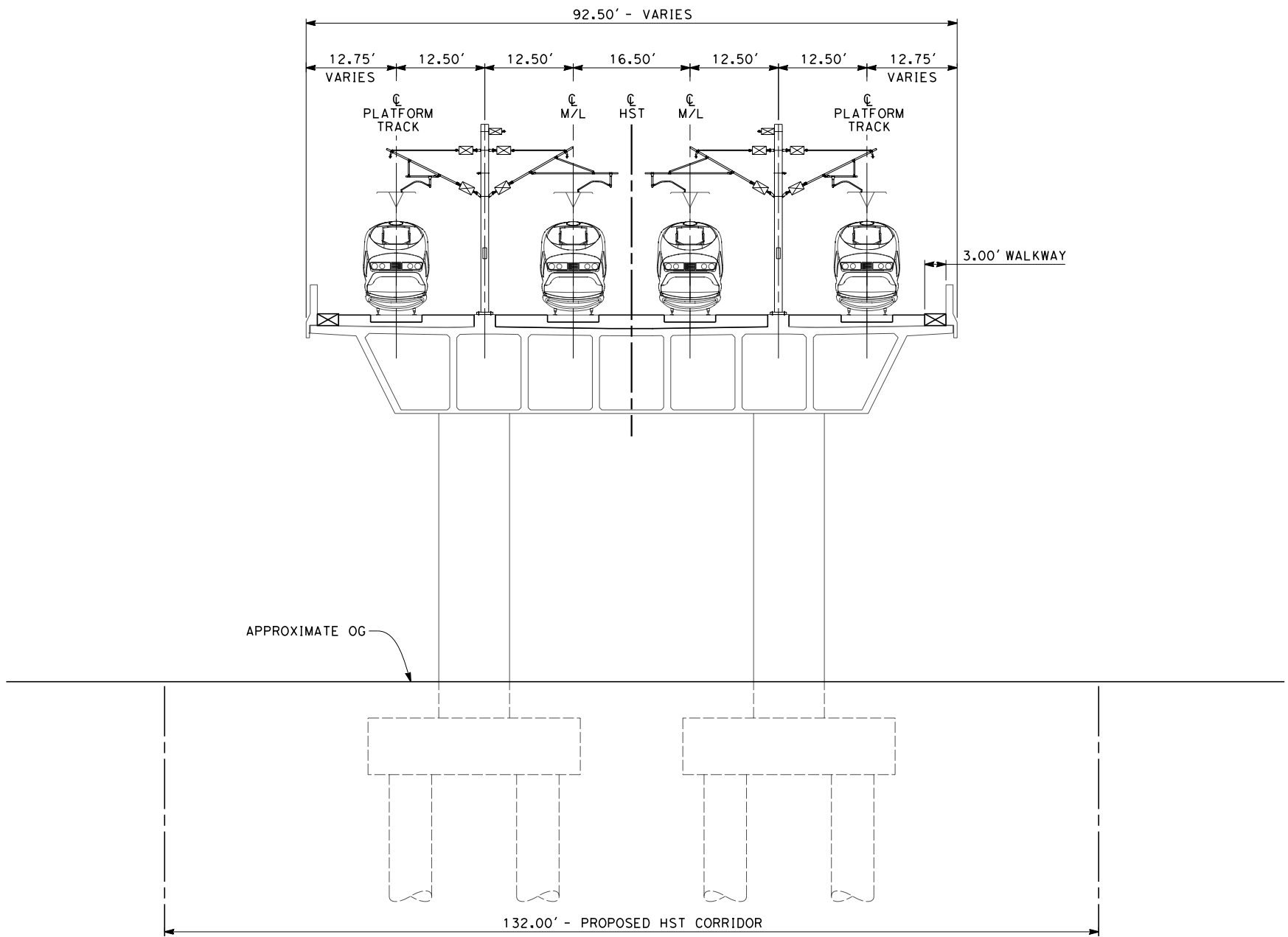
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3153
SCALE AS SHOWN
SHEET NO. 35 OF 39

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



SECTION 7

4 TRACK STATION APPROACH - AERIAL STRUCTURE
STA 1919+00 THROUGH STA 1942+50
STA 1956+50 THROUGH STA 1980+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



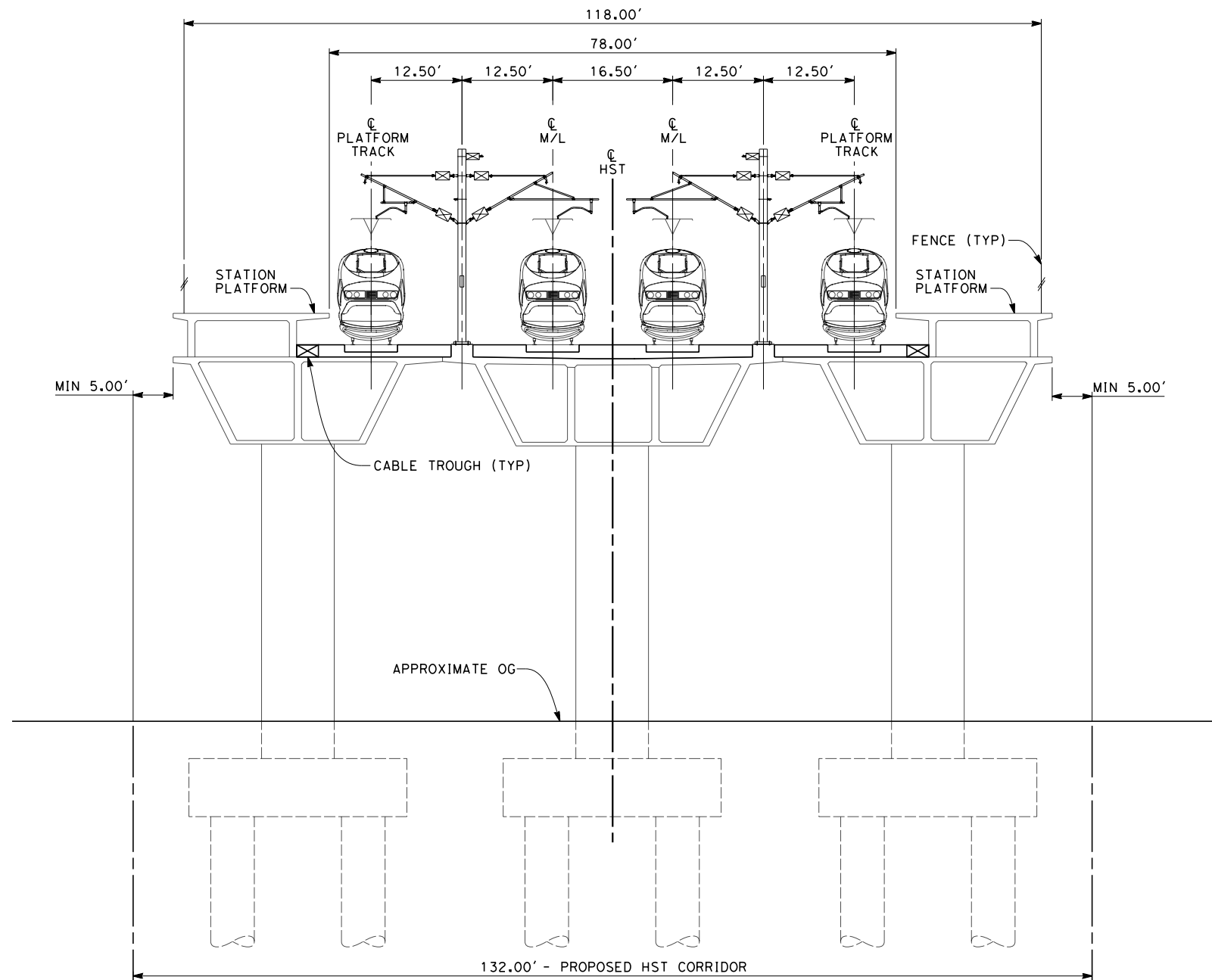
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3154
SCALE AS SHOWN
SHEET NO. 36 OF 39

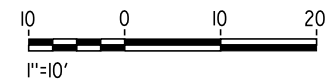
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS



SECTION 8

4 TRACK - THROUGH STATION AREAS
STA 1942+50 THROUGH STA 1956+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

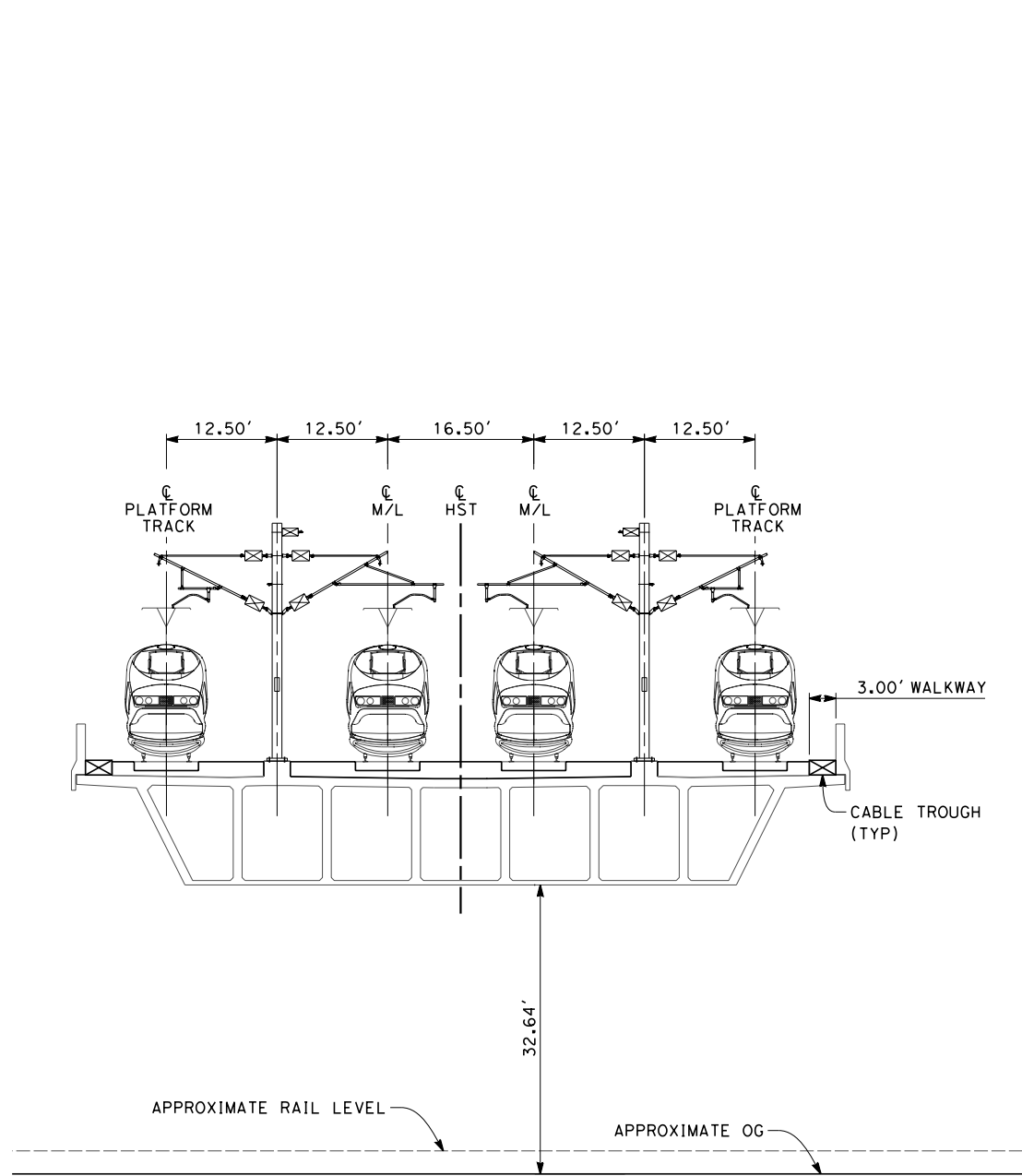


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

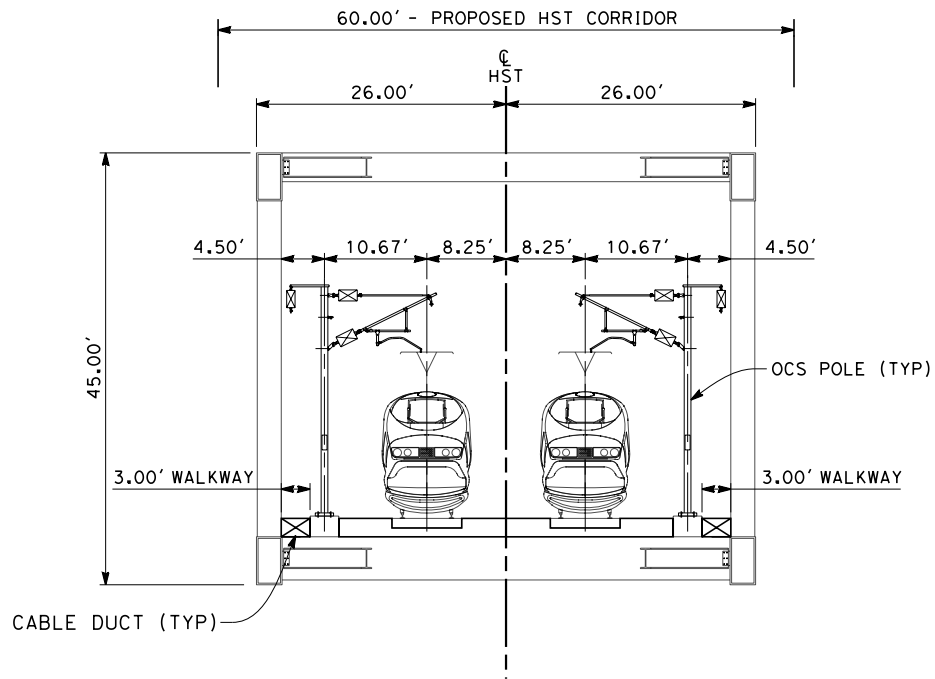
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3155
SCALE AS SHOWN
SHEET NO. 37 OF 39

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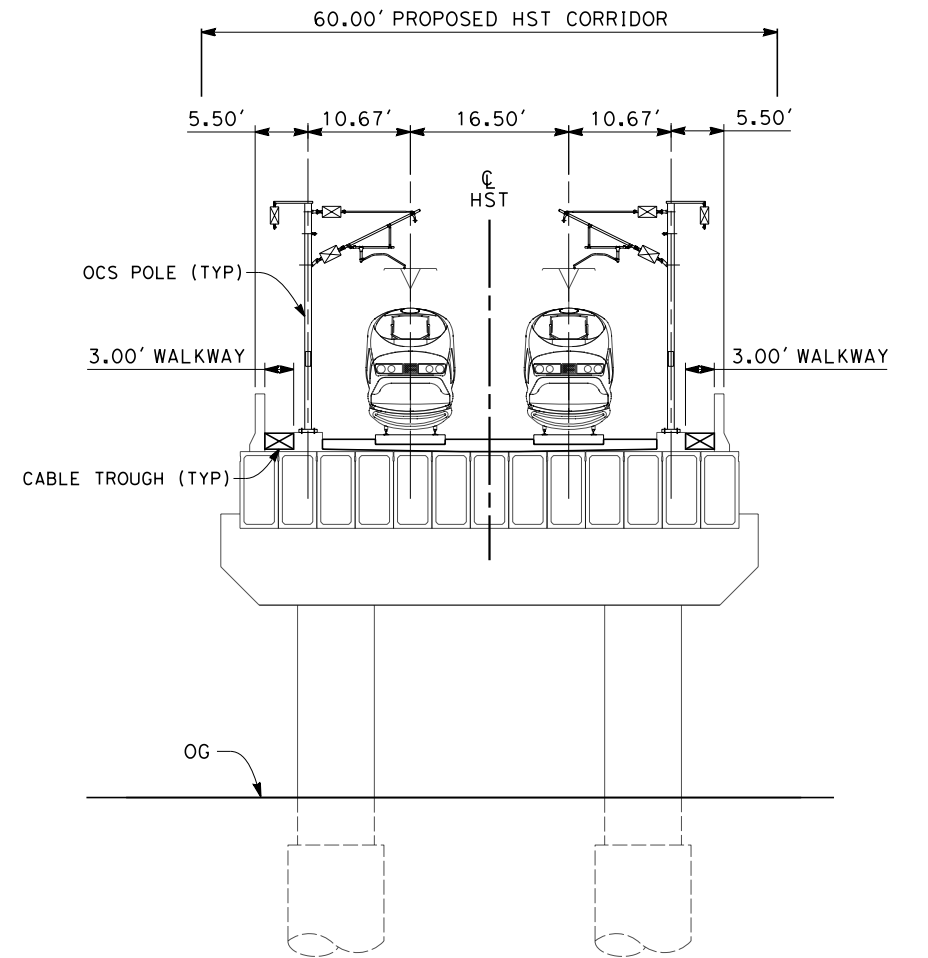
SECTION 9

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



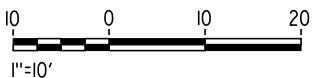
SECTION 10

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 11

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY E. WEINER
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

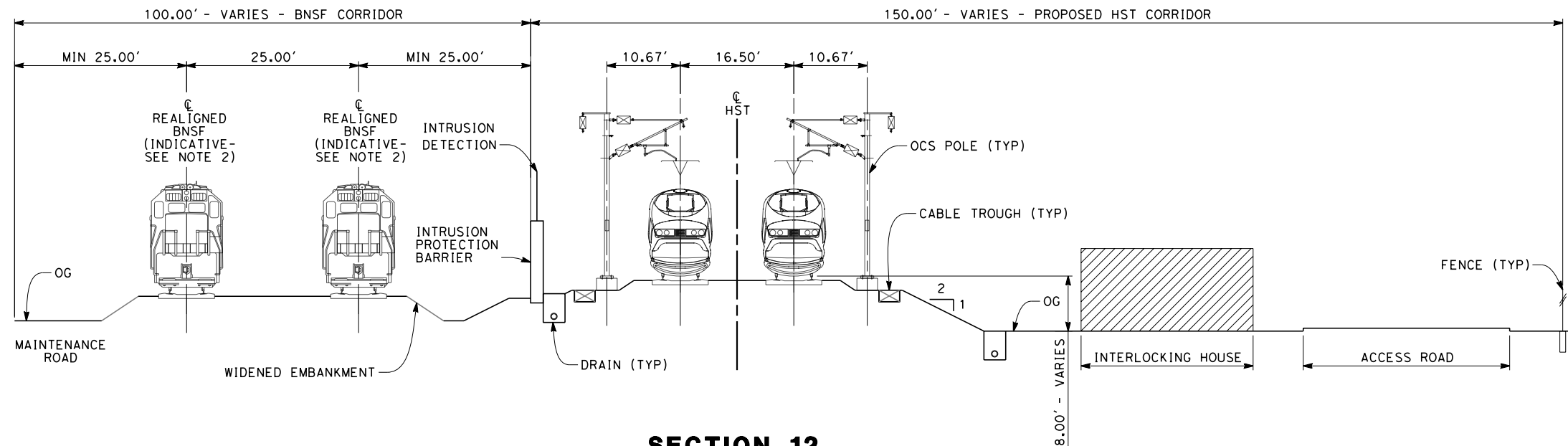


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3157
SCALE AS SHOWN
SHEET NO. 38 OF 39

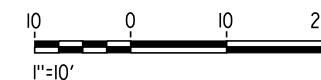
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SECTION 12
TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 1034+50 THROUGH STA 1062+00

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. INDICATIVE BNSF REALIGNMENT SHOWN PROVIDING MINIMUM OFFSET TO TO HST CORRIDOR. EXTENT OF ACTUAL REALIGNMENT TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

HANFORD SUBSECTION
ALIGNMENT H
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3158
SCALE AS SHOWN
SHEET NO. 39 OF 39

keith.seymour 5/12/2011 9:19:18 PM 0:\1315177\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design\Sheets\Rail\HSR 15% Design\4-03-01-05 Design\CB-1870-C1.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
E. TANAKA
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



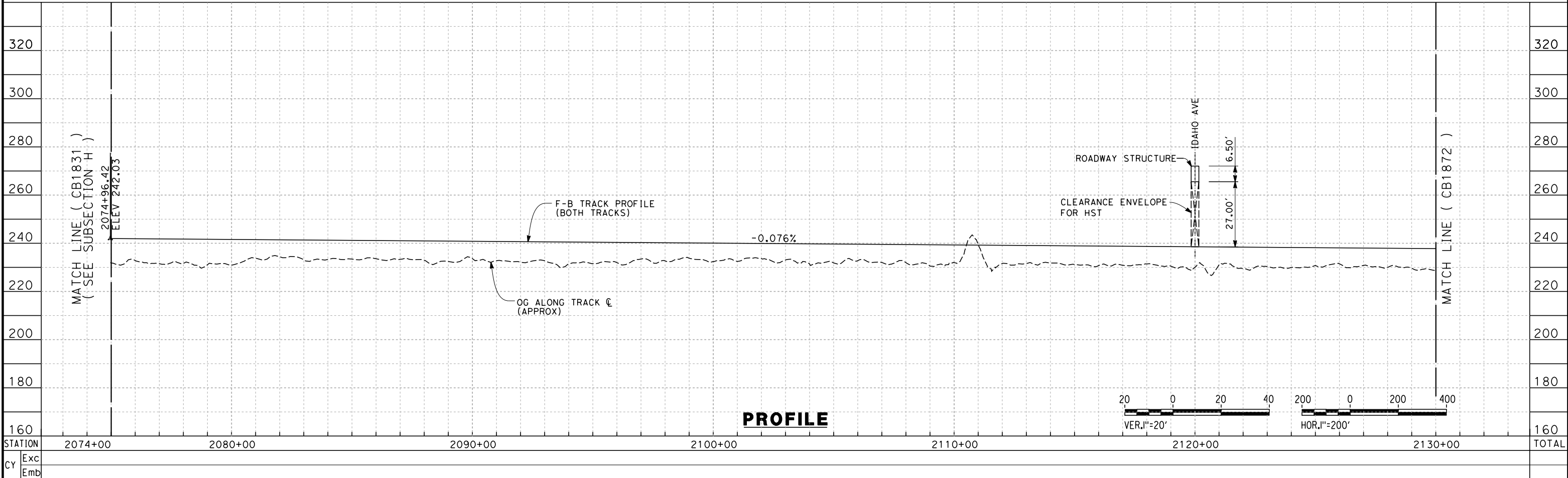
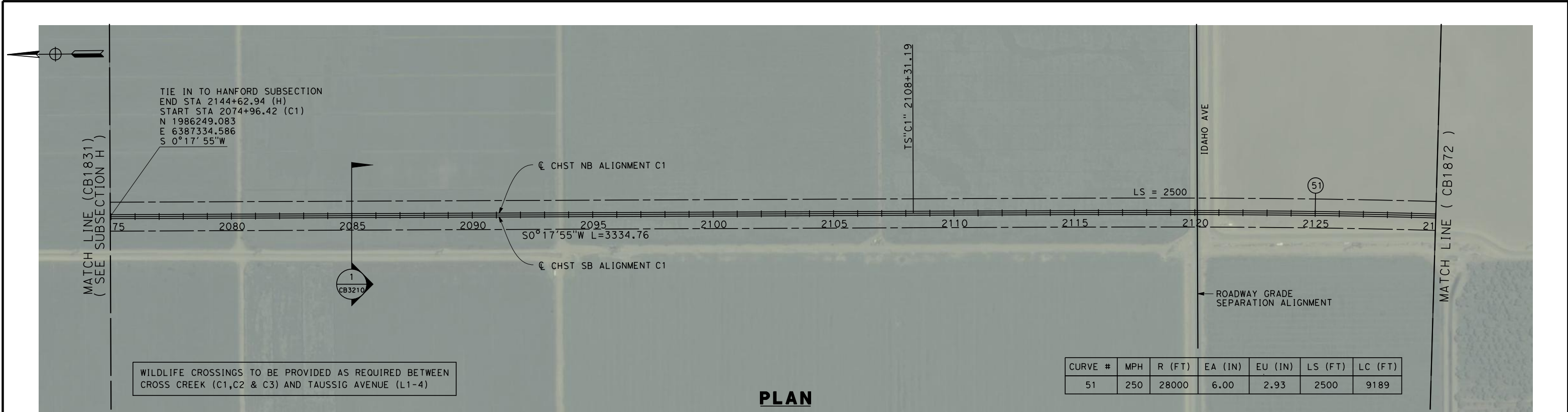
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2074+96.42 TO 3096+00
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1870
SCALE
AS SHOWN
SHEET NO.
1 OF 33

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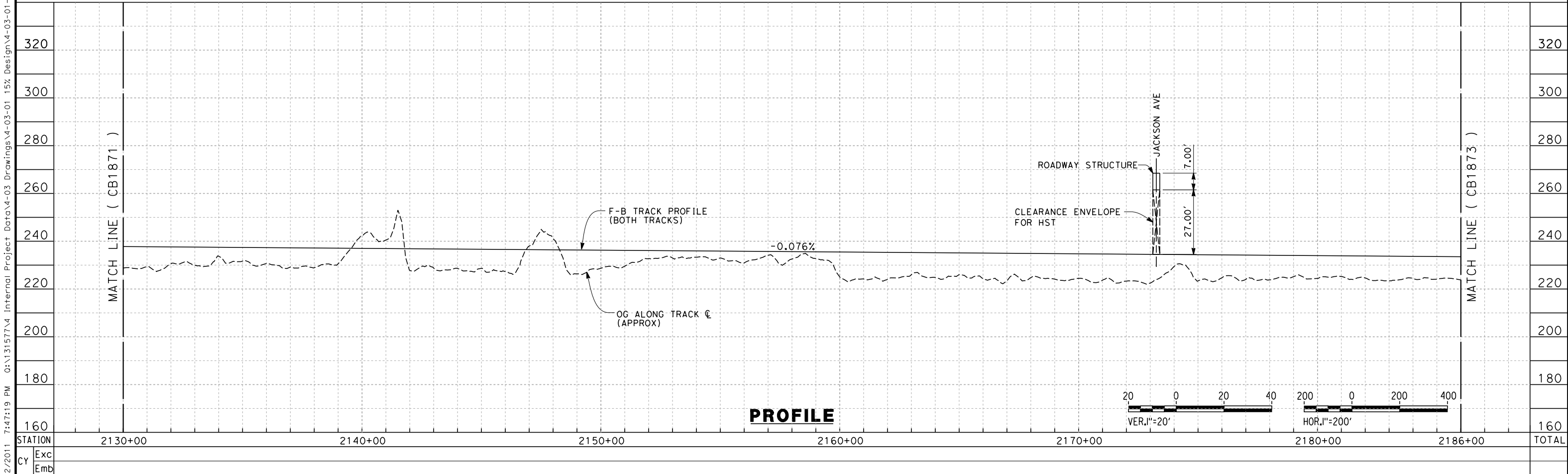
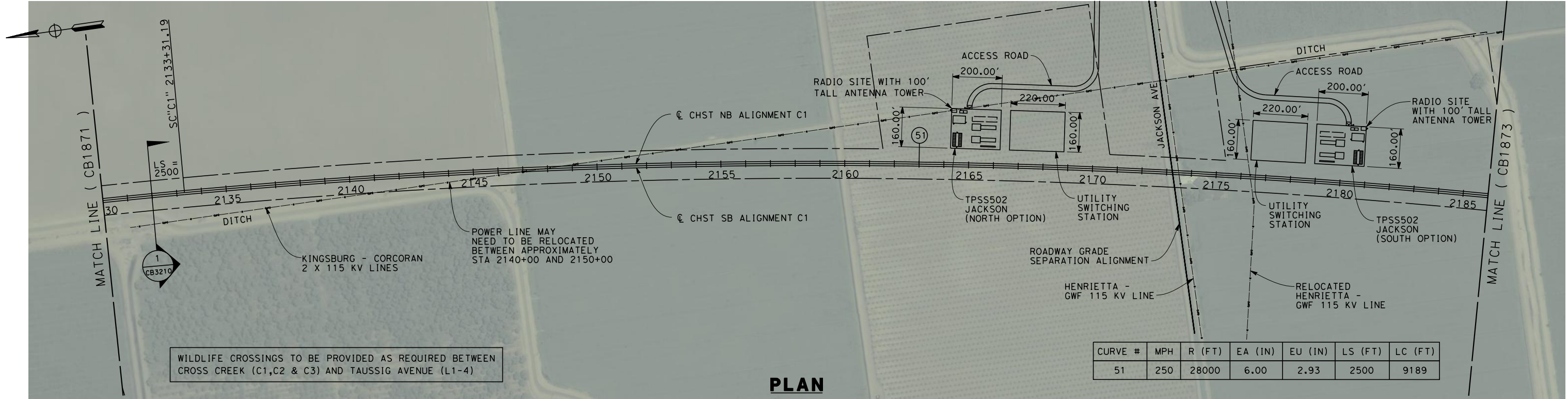
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 CALIFORNIA HIGH-SPEED TRAIN	
DRAWN BY J. REILLY			
CHECKED BY D. HUNT			
IN CHARGE A. LUFT			
DATE 05/13/11			

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD		CONTRACT NO. HSR 06-0003
CORCORAN SUBSECTION ALIGNMENT C1		DRAWING NO. CB1871
STA. 2074+96.42 TO 2130+00 PLAN AND PROFILE		SCALE AS SHOWN
		SHEET NO. 2 OF 33

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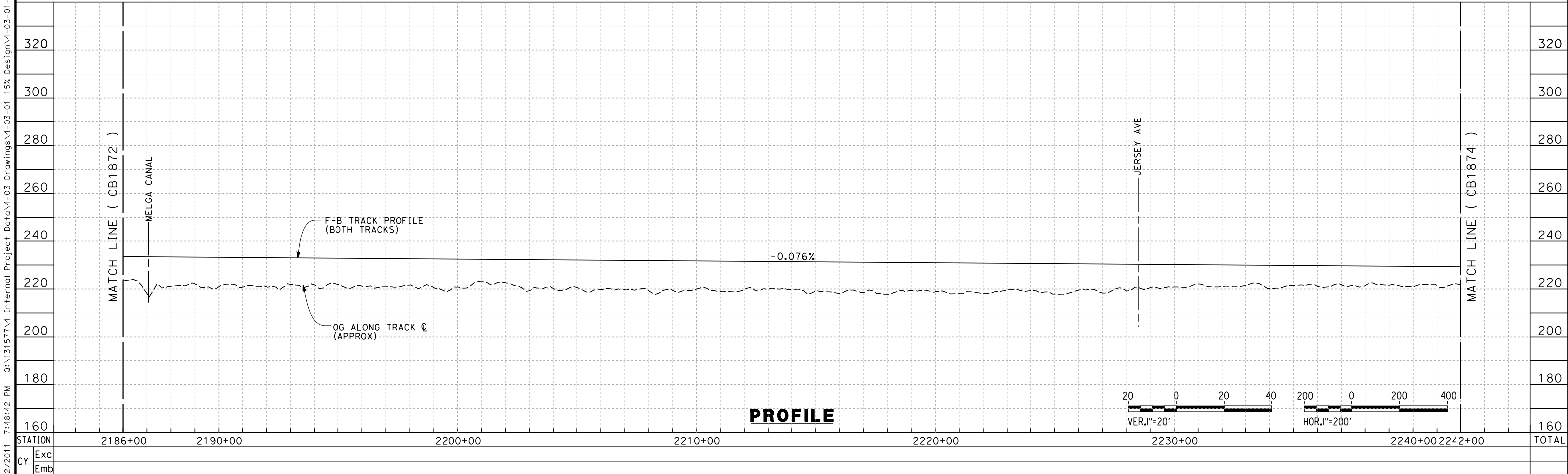
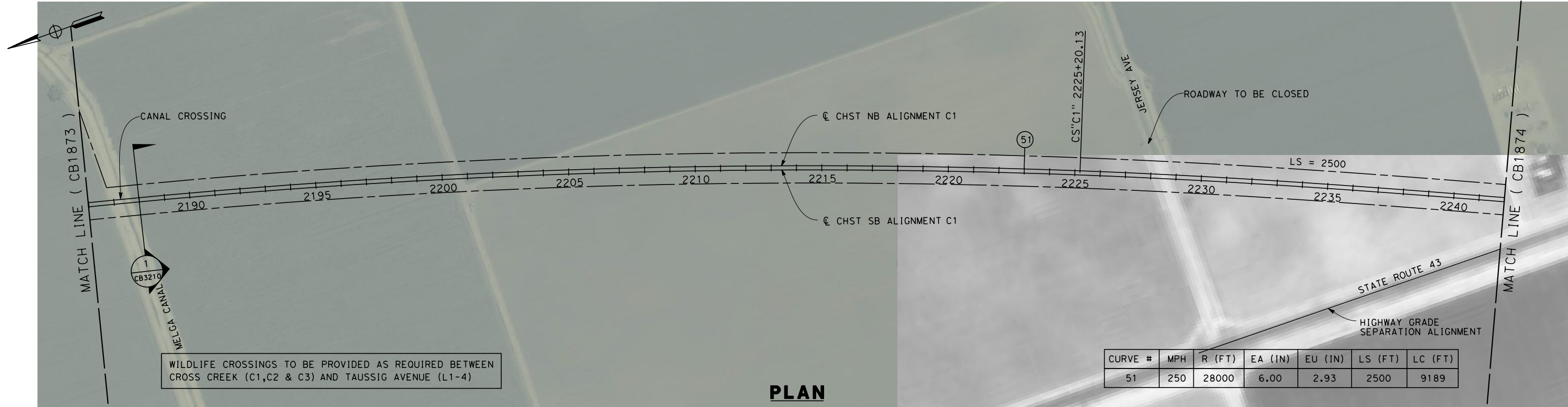
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2130+00 TO 2186+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1872 SCALE AS SHOWN SHEET NO. 3 OF 33	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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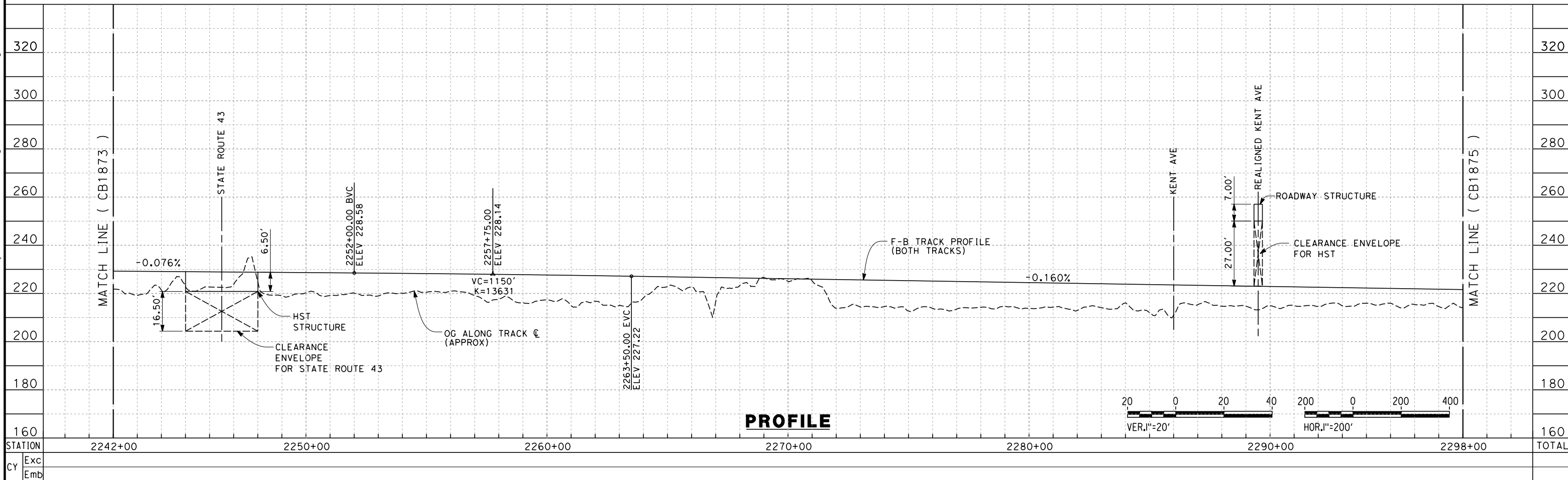
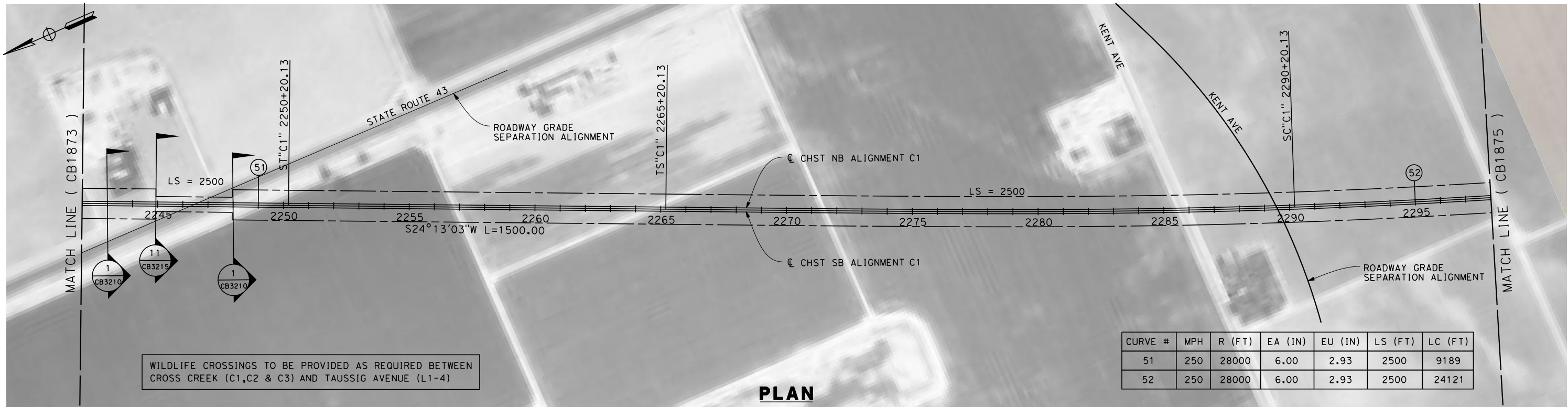
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2186+00 TO 2242+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1873
									SCALE AS SHOWN
									SHEET NO. 4 OF 33

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

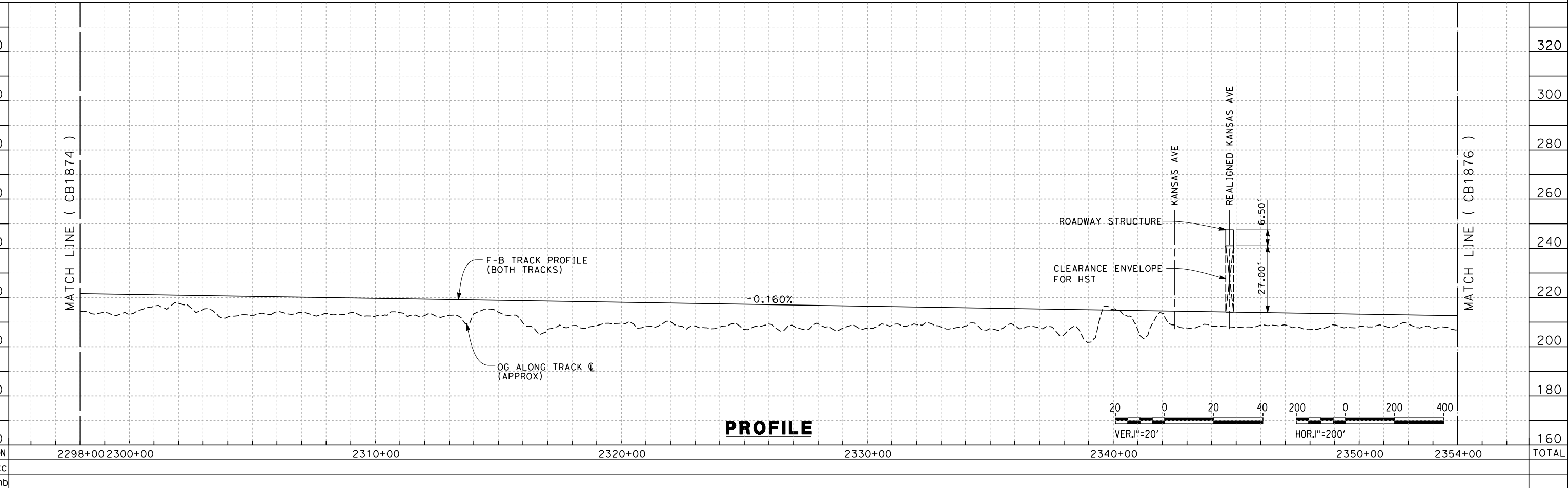
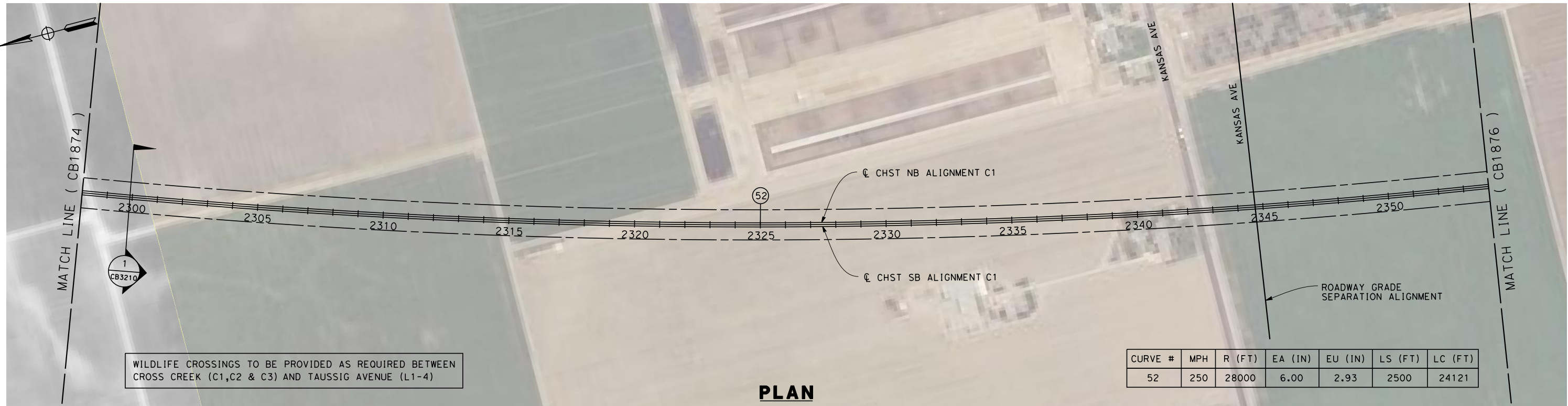


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2242+00 TO 2298+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1874
SCALE
AS SHOWN
SHEET NO.
5 OF 33

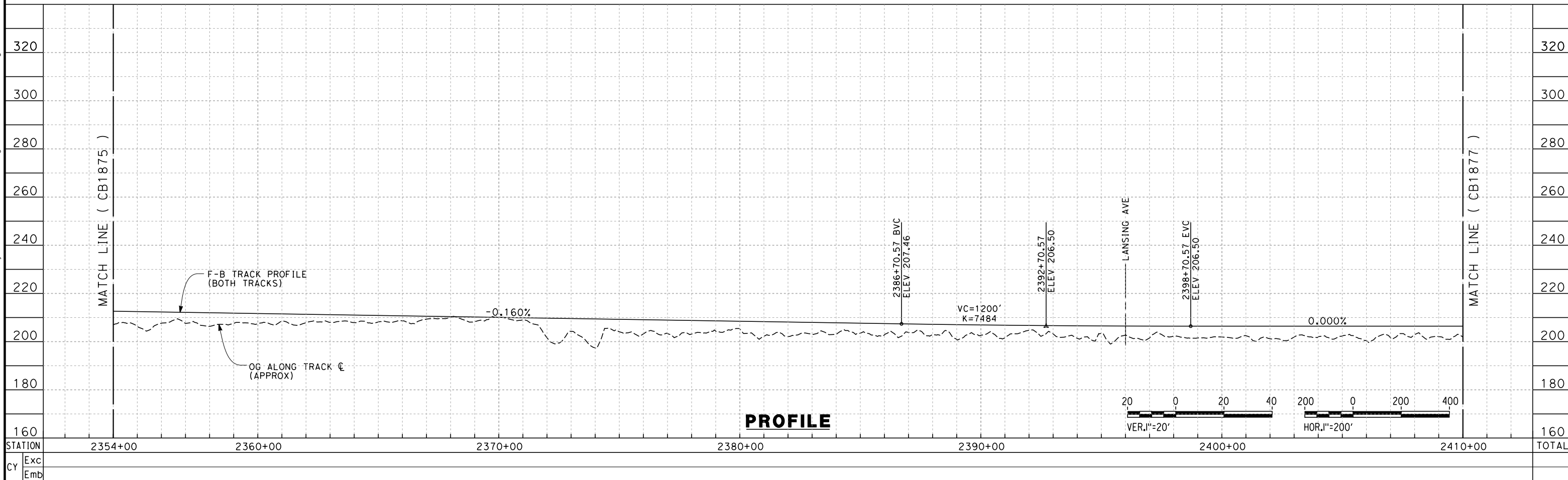
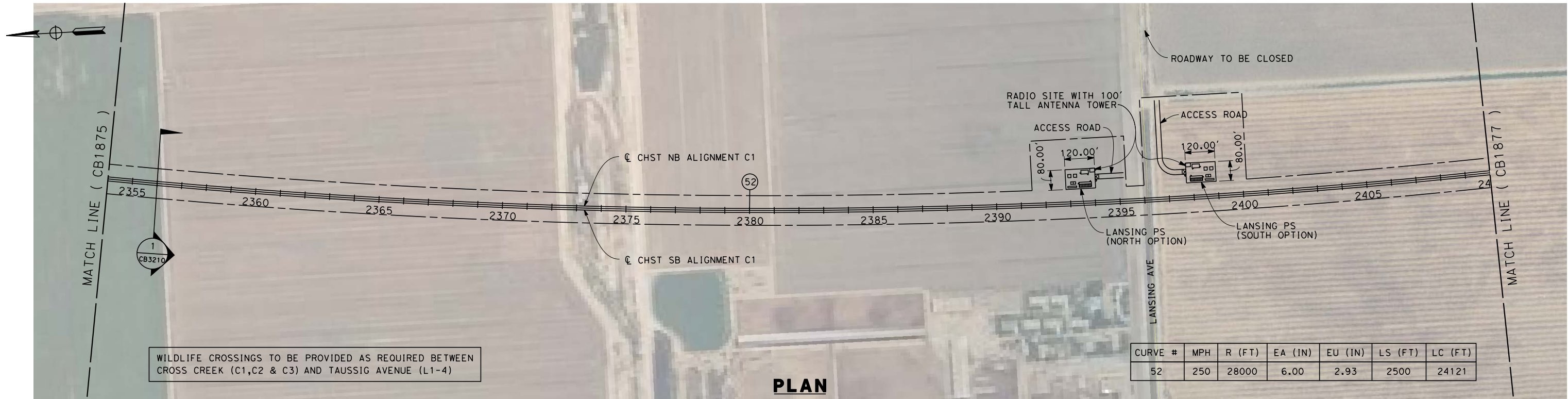
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2298+00 TO 2354+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1875 SCALE AS SHOWN SHEET NO. 6 OF 33	
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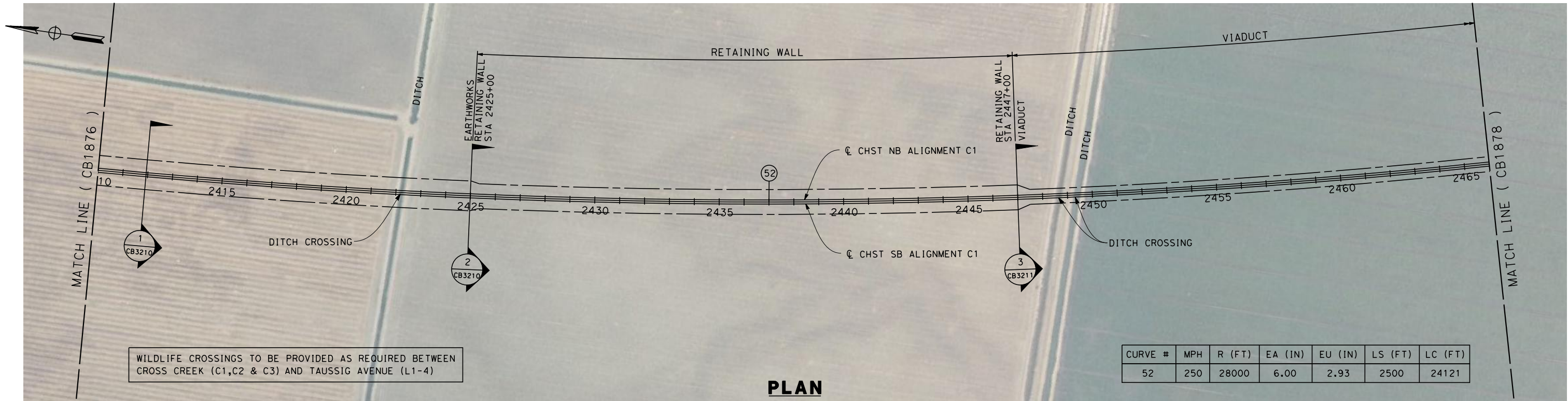
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 06/30/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2354+00 TO 2410+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1876
									SCALE AS SHOWN
									SHEET NO. 7 OF 33

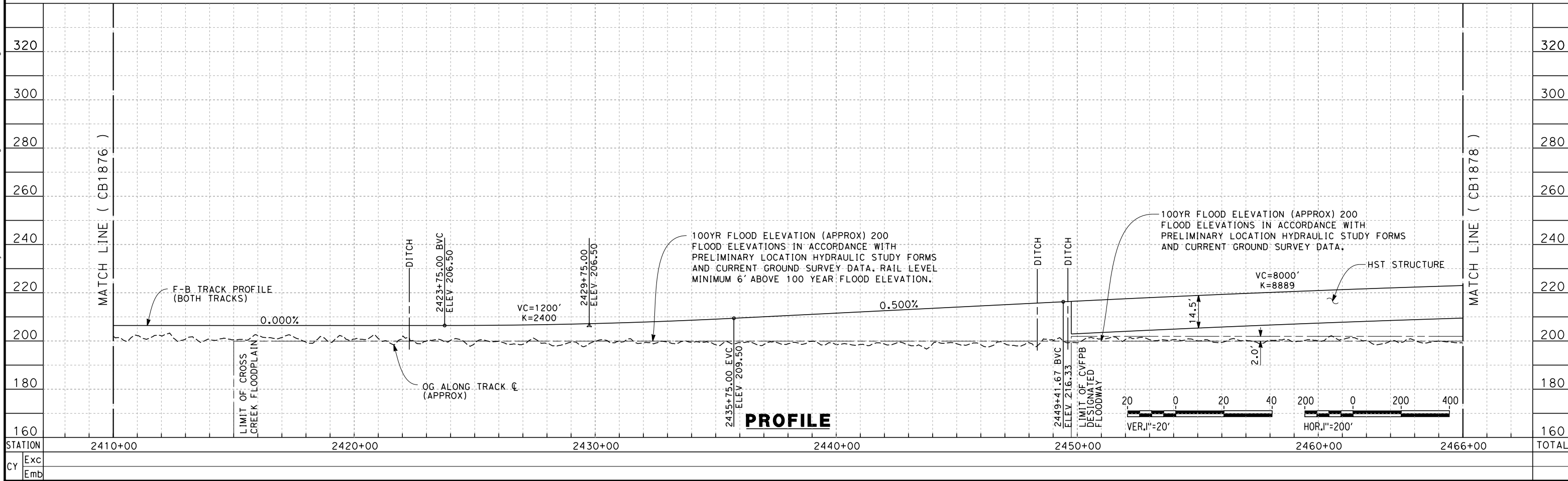
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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
52	250	28000	6.00	2.93	2500	24121

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



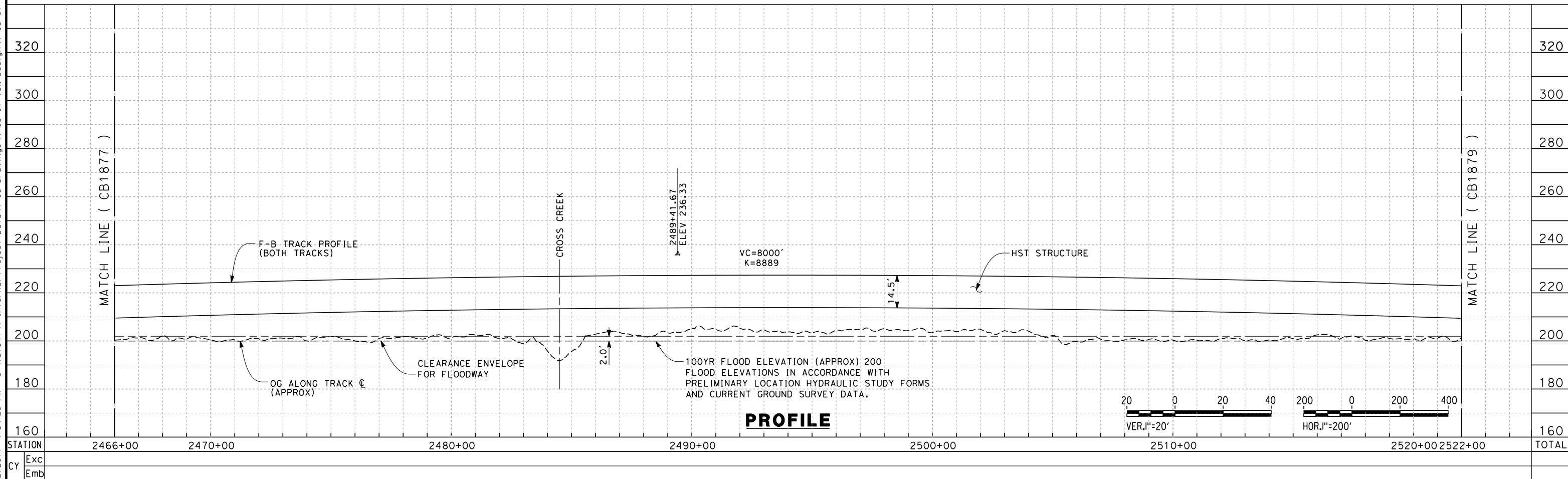
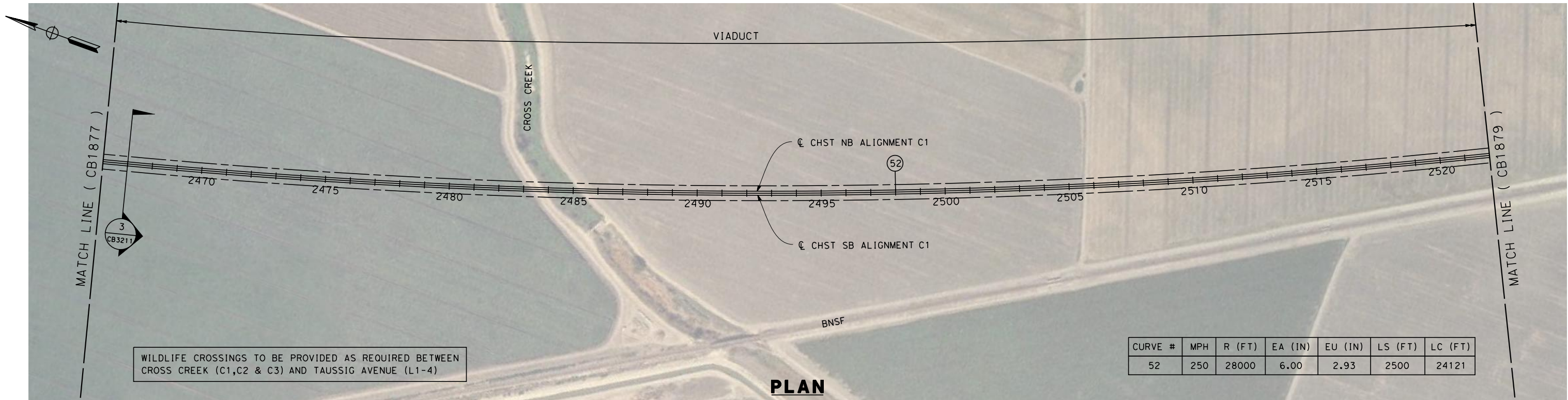
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2410+00 TO 2466+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1877
SCALE AS SHOWN
SHEET NO. 8 OF 33

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
D. HUNT

IN CHARGE
A. LUFT

DATE
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2466+00 TO 2522+00
PLAN AND PROFILE

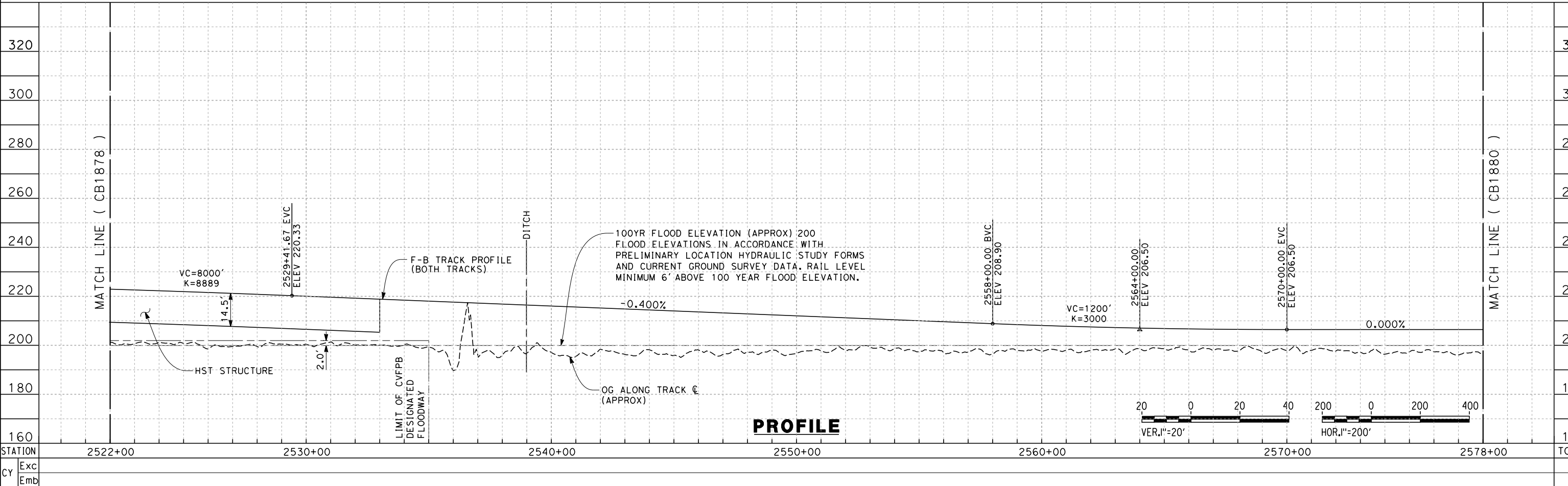
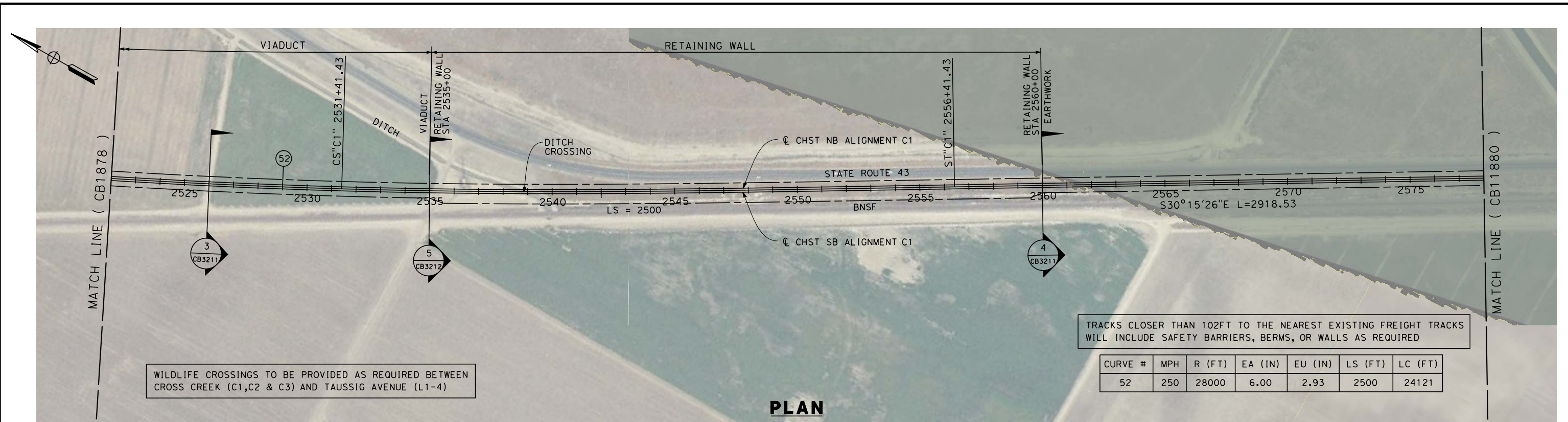
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HSR 06-0003

DRAWING NO.
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SCALE
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SHEET NO.
9 OF 33

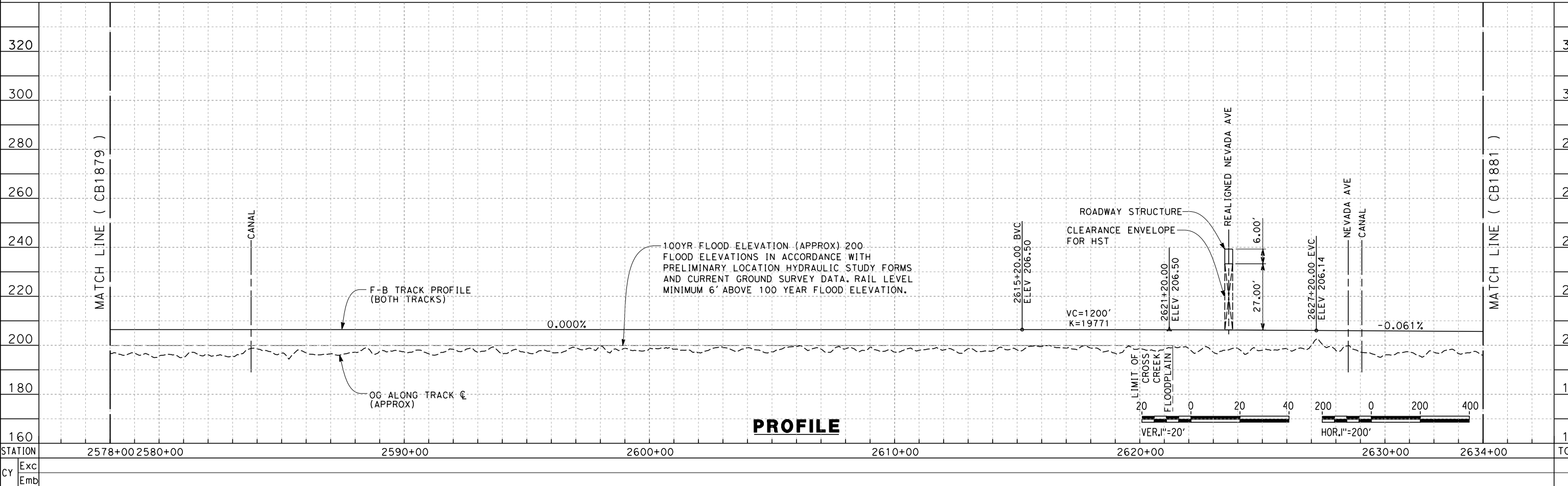
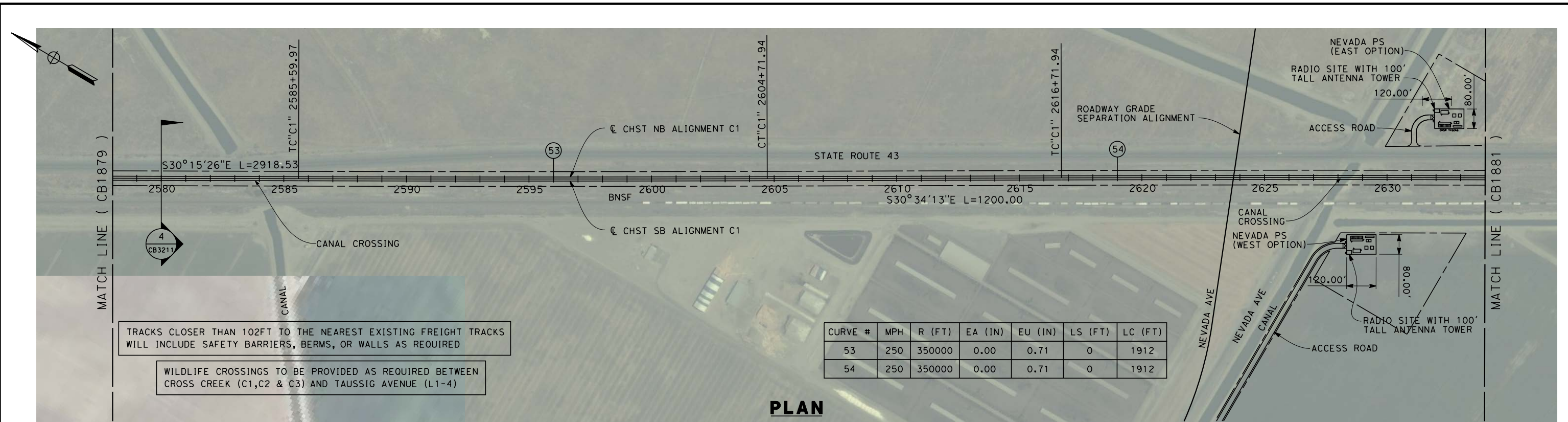
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DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2522+00 TO 2578+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY J. REILLY					DRAWING NO. CB1879
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE A. LUFT					SHEET NO. 10 OF 33
DATE 05/13/11					

REV	DATE	BY	CHK	APP	DESCRIPTION

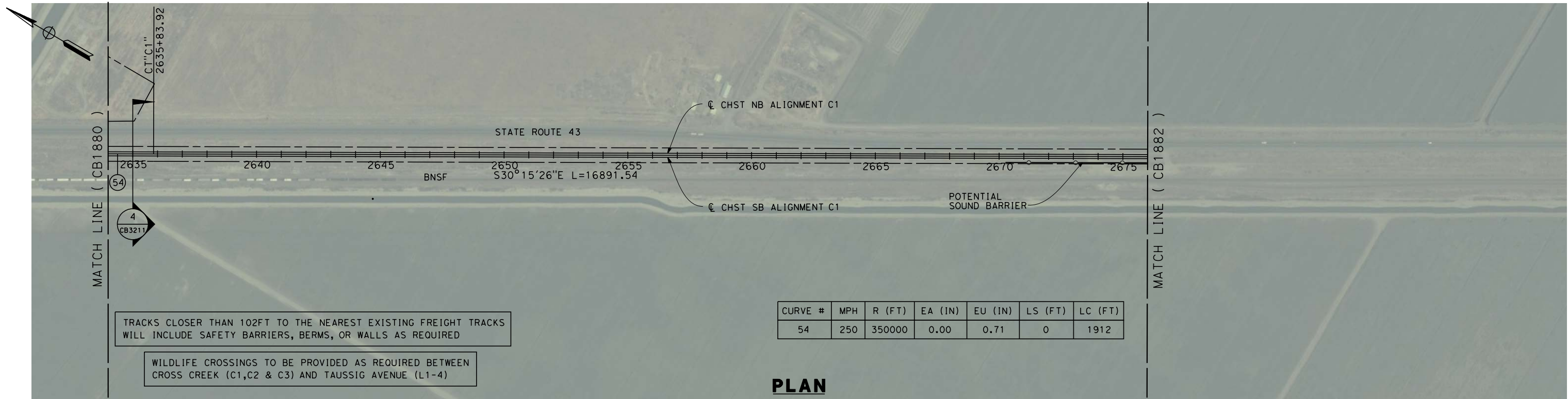
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DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2578+00 TO 2634+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY J. REILLY					DRAWING NO. CB1880
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE A. LUFT					SHEET NO. 11 OF 33
DATE 06/30/11					

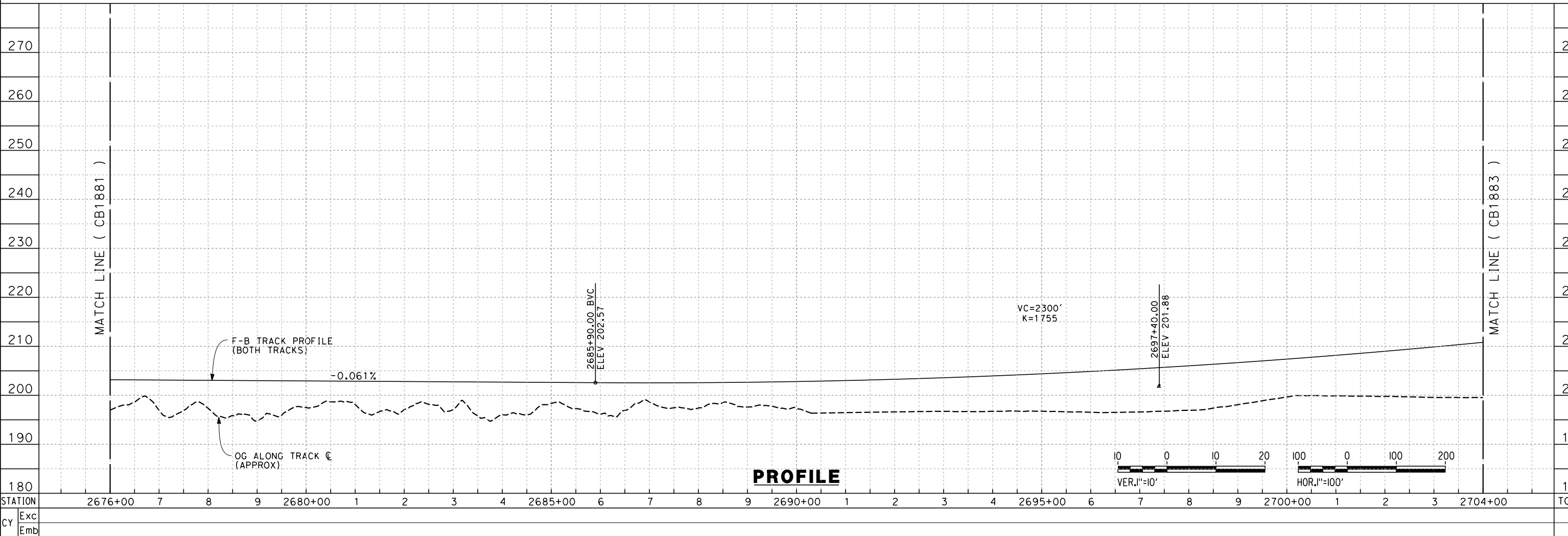
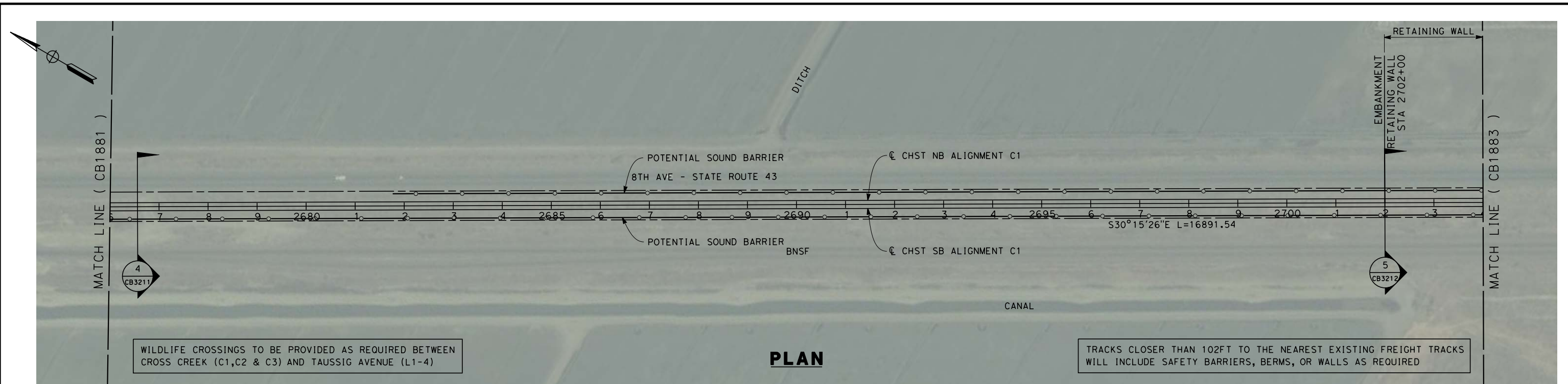
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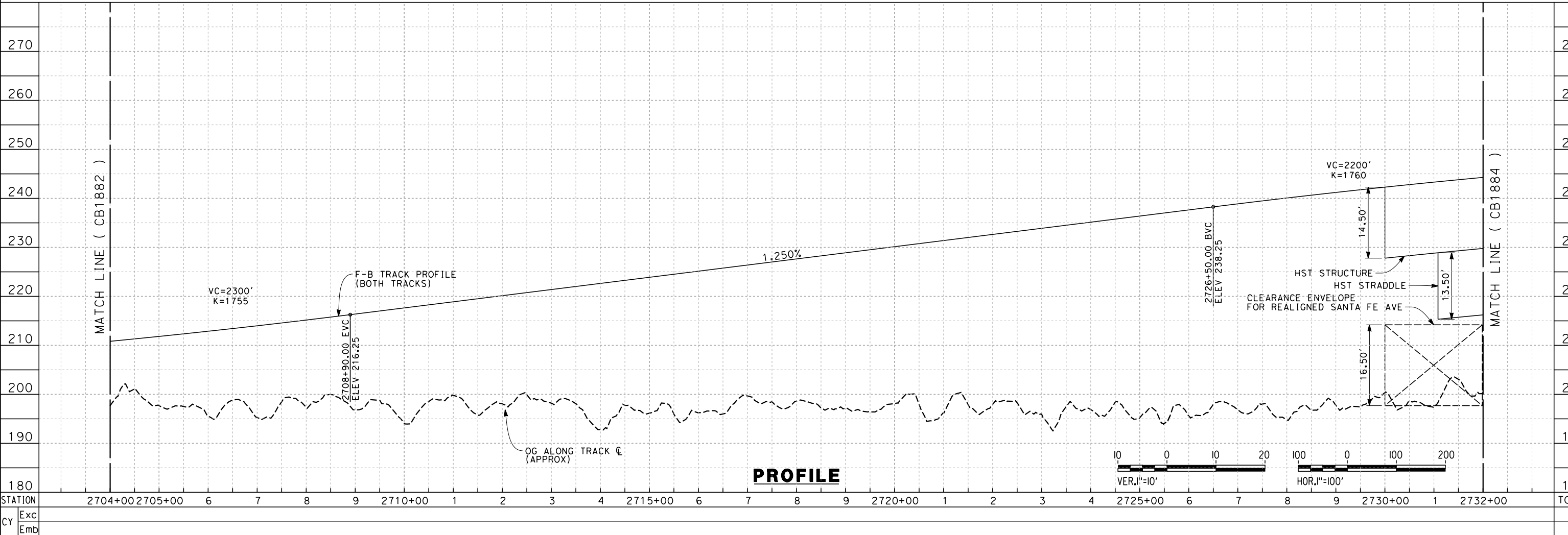
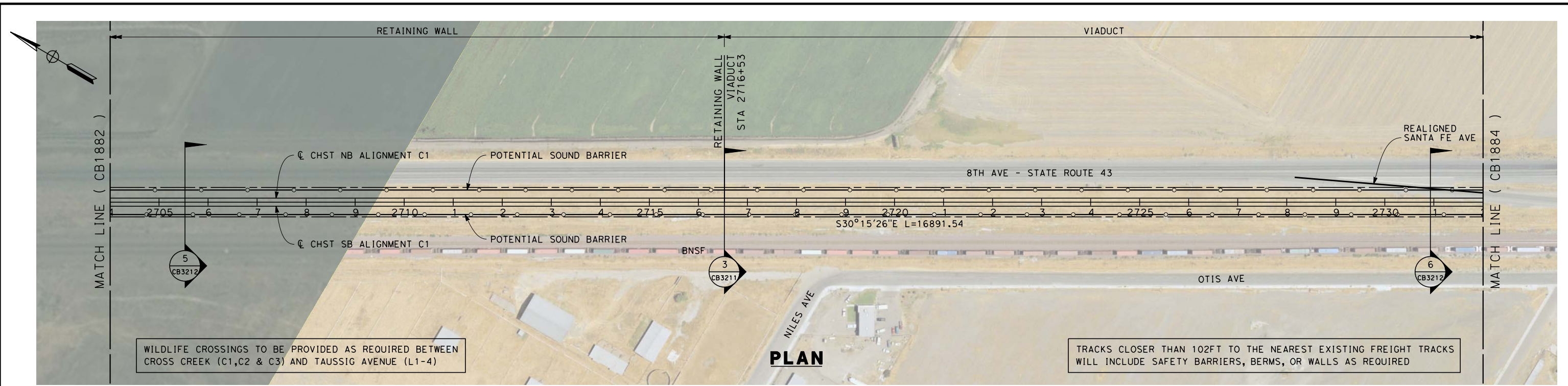
DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2634+00 TO 2676+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION										DRAWING NO. CB1881
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frank.palermo 7/18/2011 4:16:27 PM 0:\131577\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design\Sheets\Rail\NHSR 15% Design\CB1882-C1.dgn



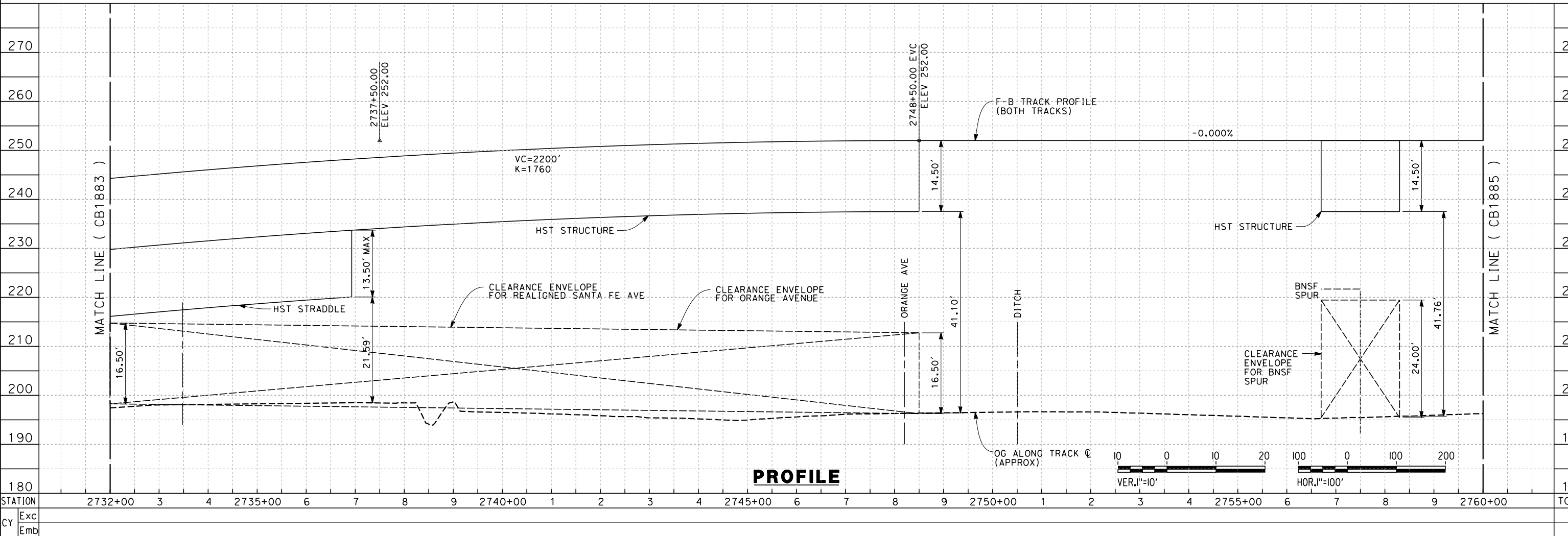
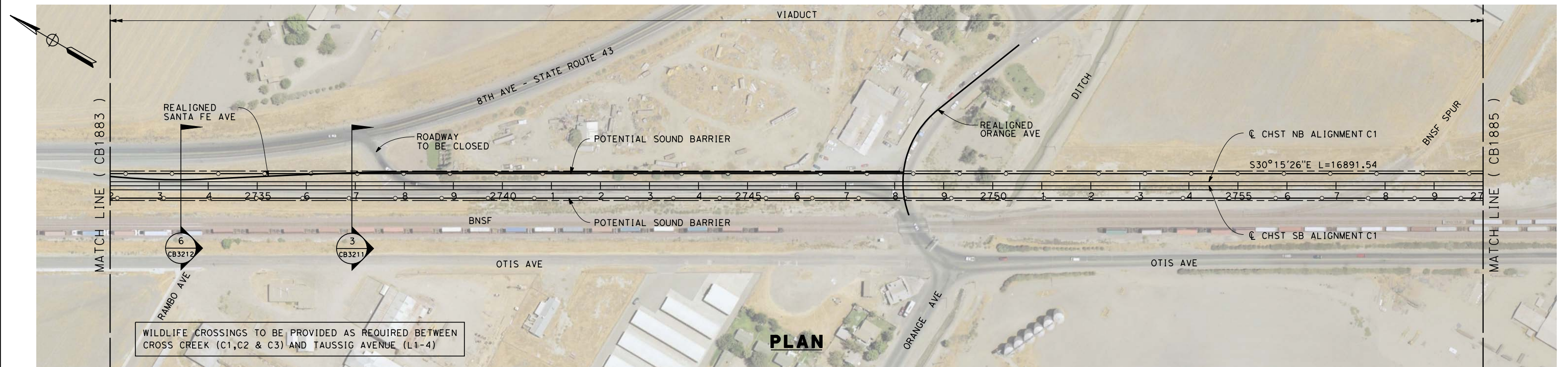
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11						RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 2704+00 TO 2732+00 PLAN AND PROFILE				CONTRACT NO. HSR 06-0003 DRAWING NO. CB1883 SCALE AS SHOWN SHEET NO. 14 OF 33	
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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
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2732+00 TO 2760+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1884
SCALE
AS SHOWN
SHEET NO.
15 OF 33



DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

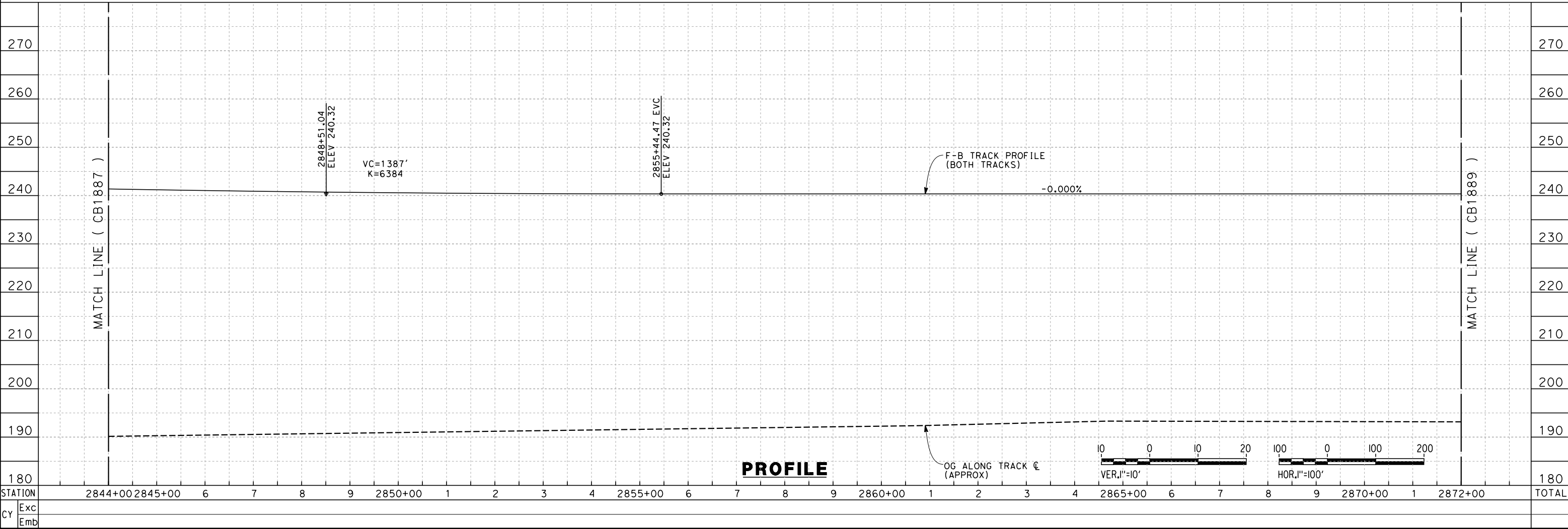
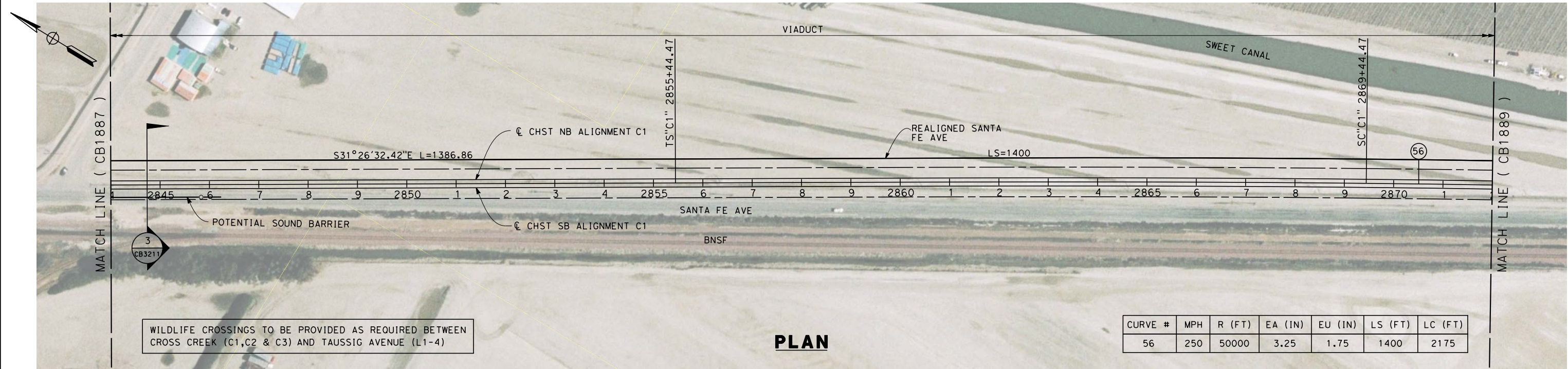
URS | HMM | ARUP

CALIFORNIA HIGH-SPEED TRAIN



CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1887
SCALE	AS SHOWN
SHEET NO.	18 OF 33

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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
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



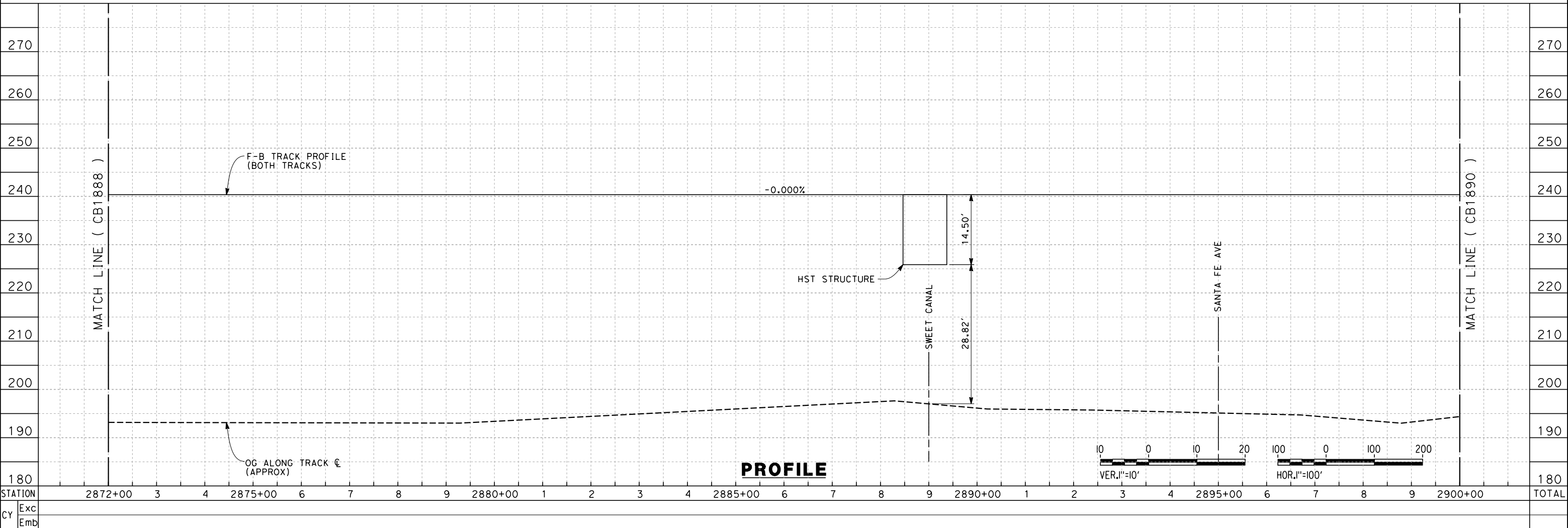
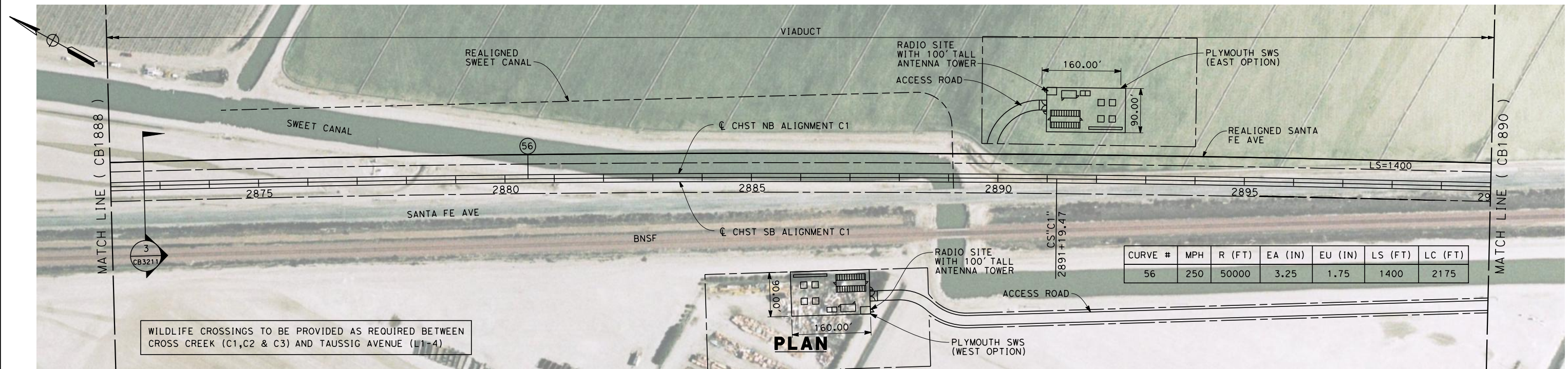
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2844+00 TO 2872+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1888
SCALE
AS SHOWN
SHEET NO.
19 OF 33

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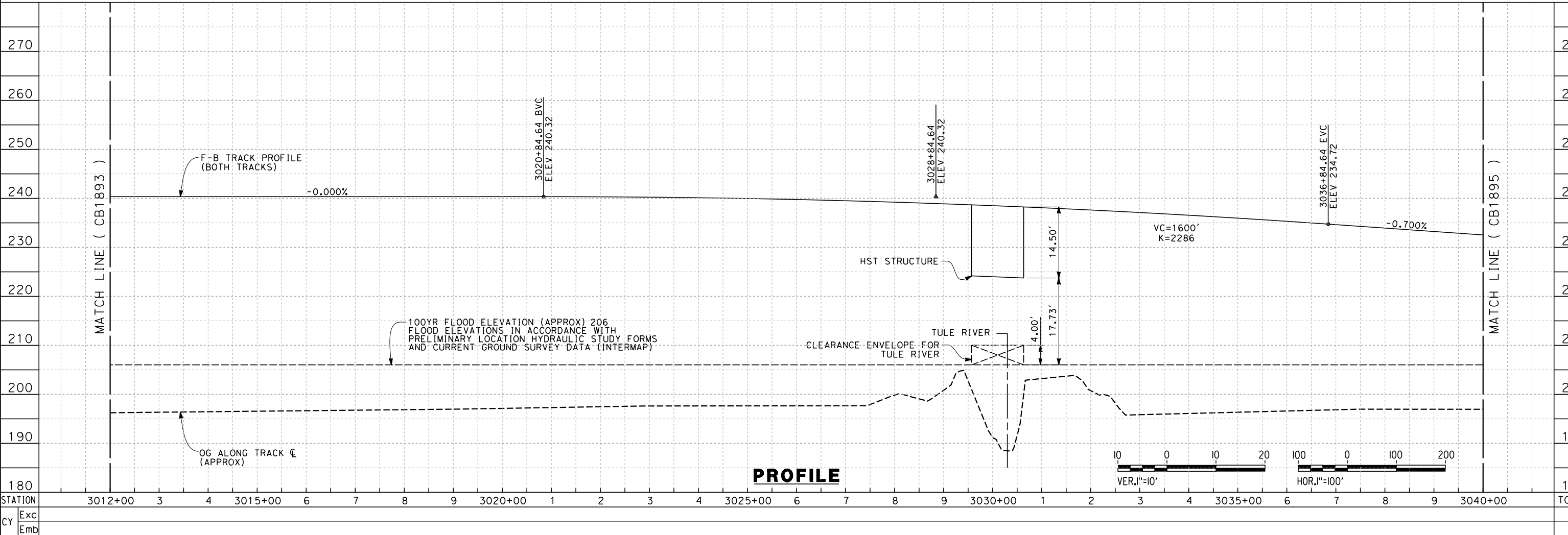
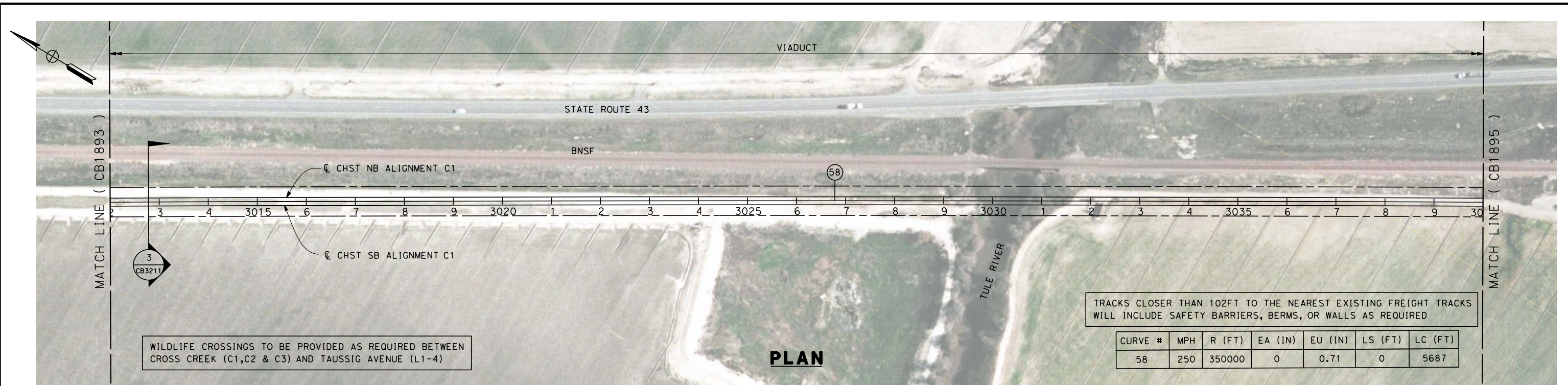
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DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY P. TONKIN	
CHECKED BY D. HUNT	
IN CHARGE A. LUFT	
DATE 05/13/11	NOT FOR CONSTRUCTION

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2872+00 TO 2900+00
PLAN AND PROFILE

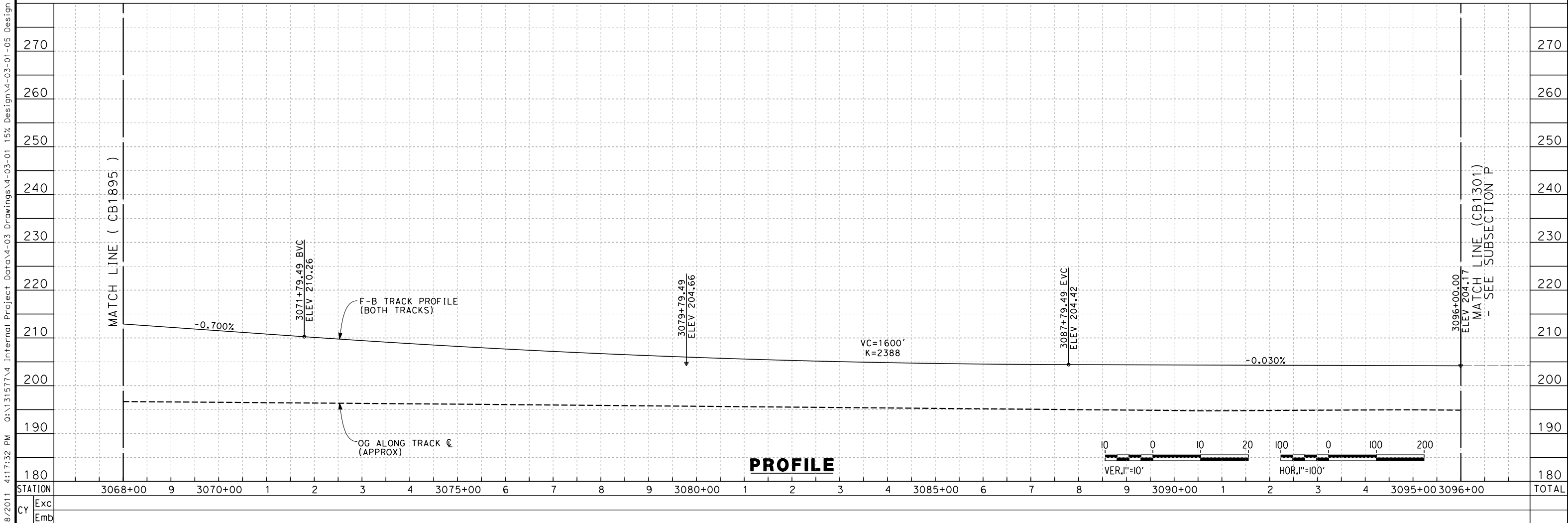
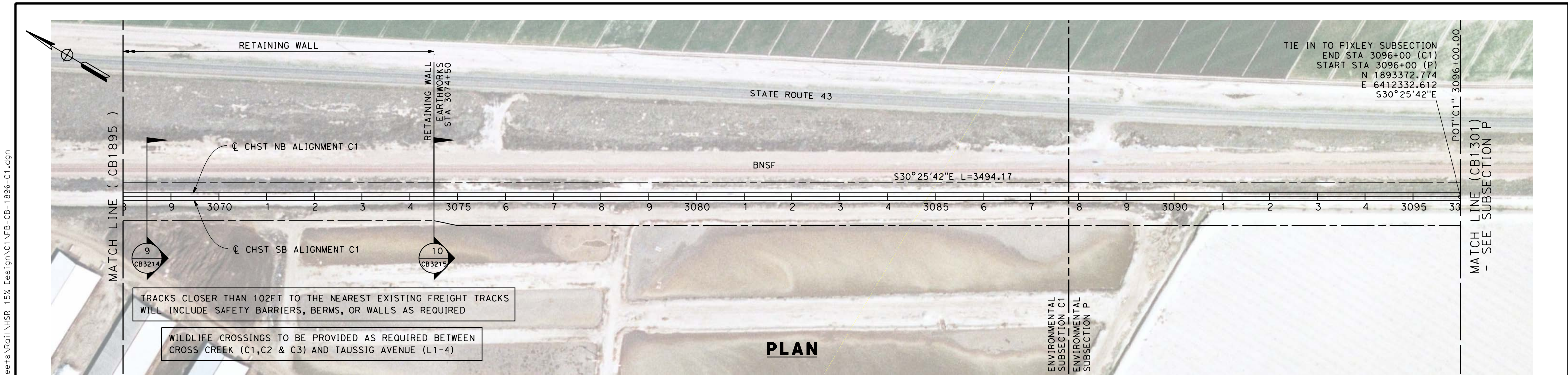
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DRAWING NO. CB1889
SCALE AS SHOWN
SHEET NO. 20 OF 33

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DESIGNED BY K. SEYMOUR DRAWN BY P. TONKIN CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 3012+00 TO 3040+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
REV DATE BY CHK APP DESCRIPTION									DRAWING NO. CB1894
									SCALE AS SHOWN
									SHEET NO. 25 OF 33

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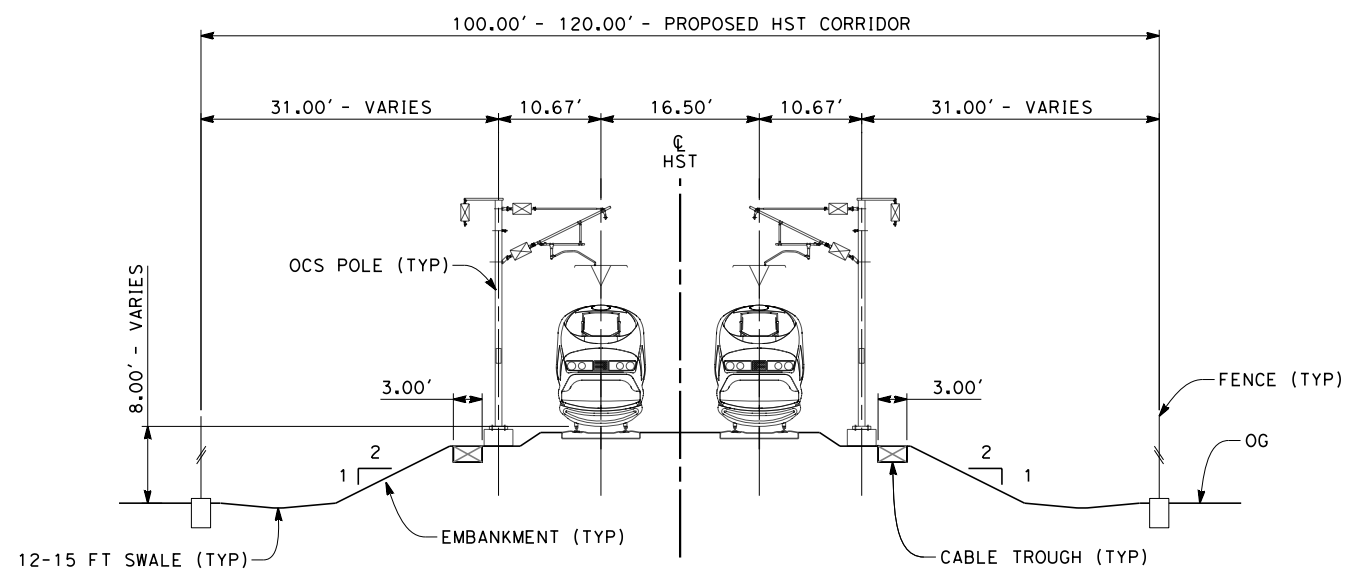


frank.palermo 7/

							DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	 CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C1 STA. 3068+00 TO 3096+00 PLAN AND PROFILE				CONTRACT NO. HSR 06-0003
						DRAWN BY P. TONKIN	DRAWING NO. CB1896								
						CHECKED BY D. HUNT	SCALE AS SHOWN								
						IN CHARGE A. LUFT	SHEET NO. 27 OF 33								
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11									

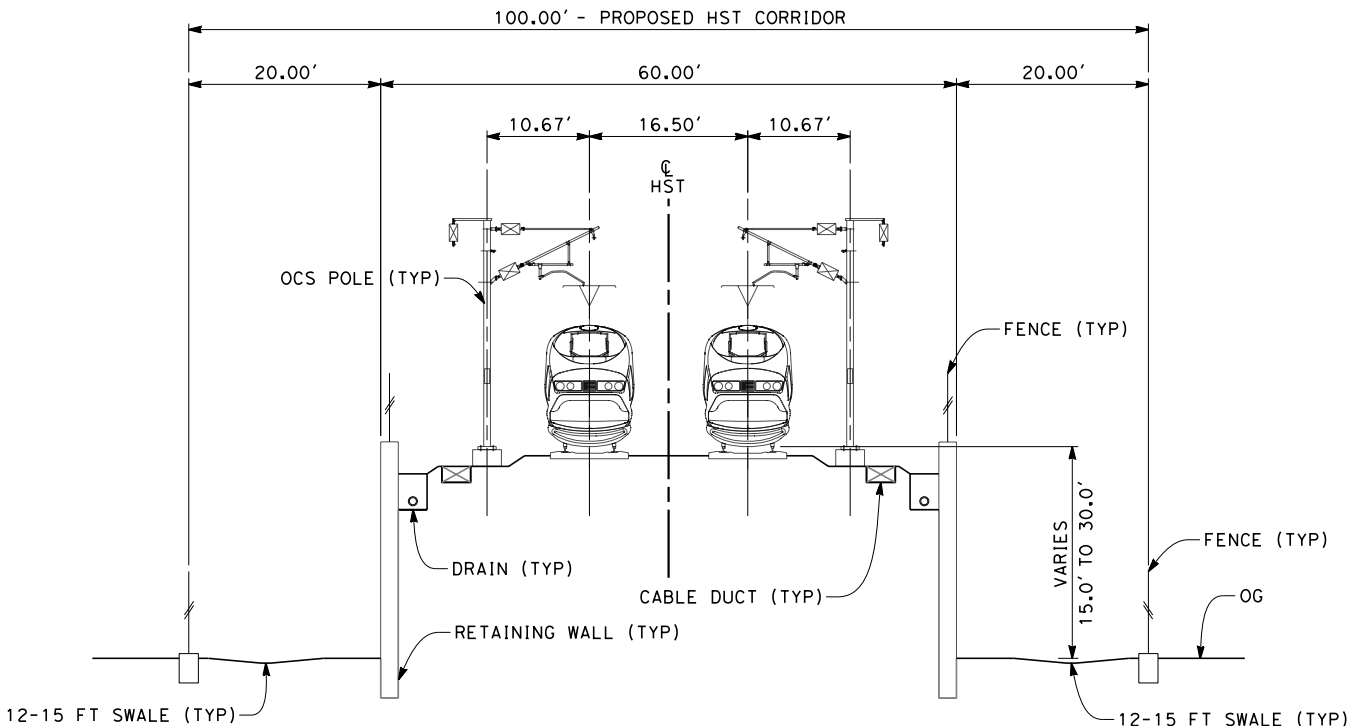
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



SECTION 1

TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA. 2075+00 THROUGH 2244+92.89
STA. 2247+96.89 THROUGH 2425+00



SECTION 2

TWIN TRACK - RETAINED EMBANKMENT
STA. 2425+00 THROUGH 2447+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

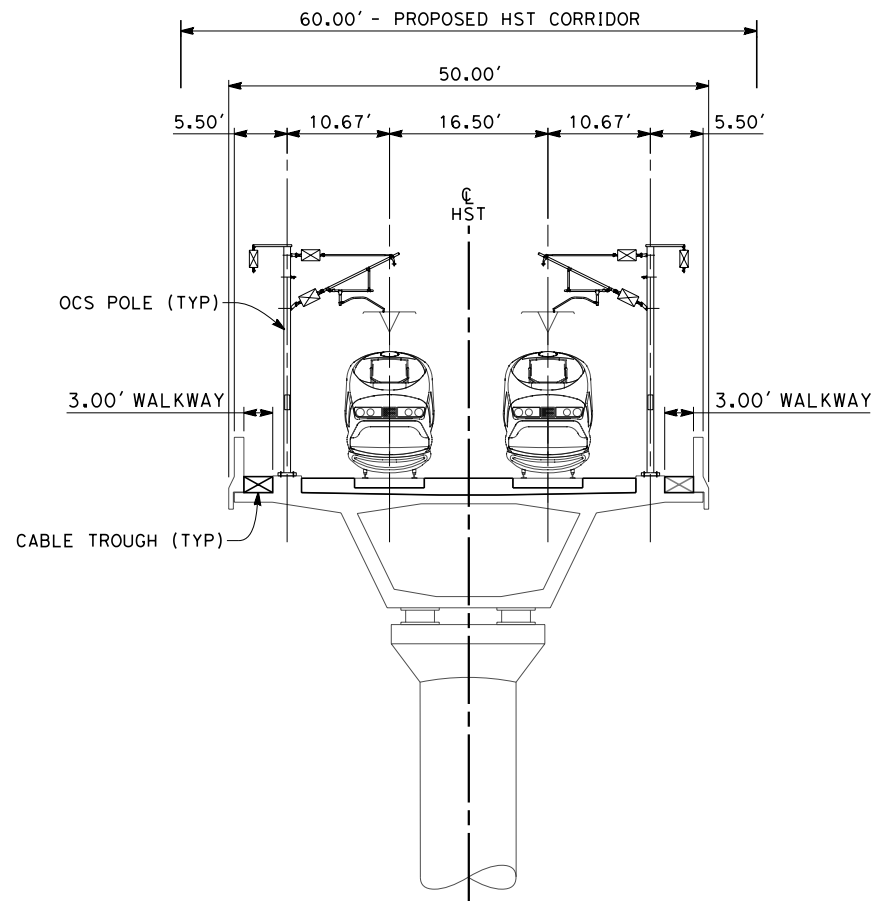


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
CROSS SECTIONS

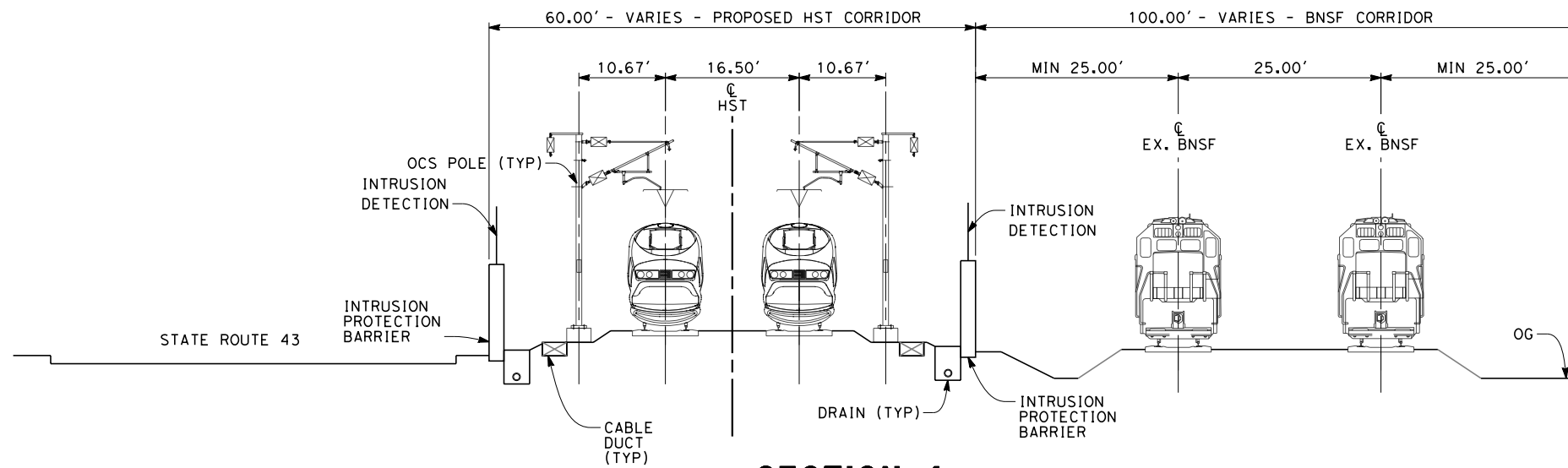
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3210
SCALE AS SHOWN
SHEET NO. 28 OF 33

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SECTION 3

TWIN TRACK - AERIAL STRUCTURE
STA. 2447+00 THROUGH 2535+00
STA. 2716+53 THROUGH 2730+93
STA. 2736+93 THROUGH 2778+00
STA. 2792+00 THROUGH 2901+50
STA. 2918+60 THROUGH 3047+93



SECTION 4

TWIN TRACK - AT GRADE 60FT ROW BETWEEN BNSF AND STATE ROUTE 43
STA 2560+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
4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



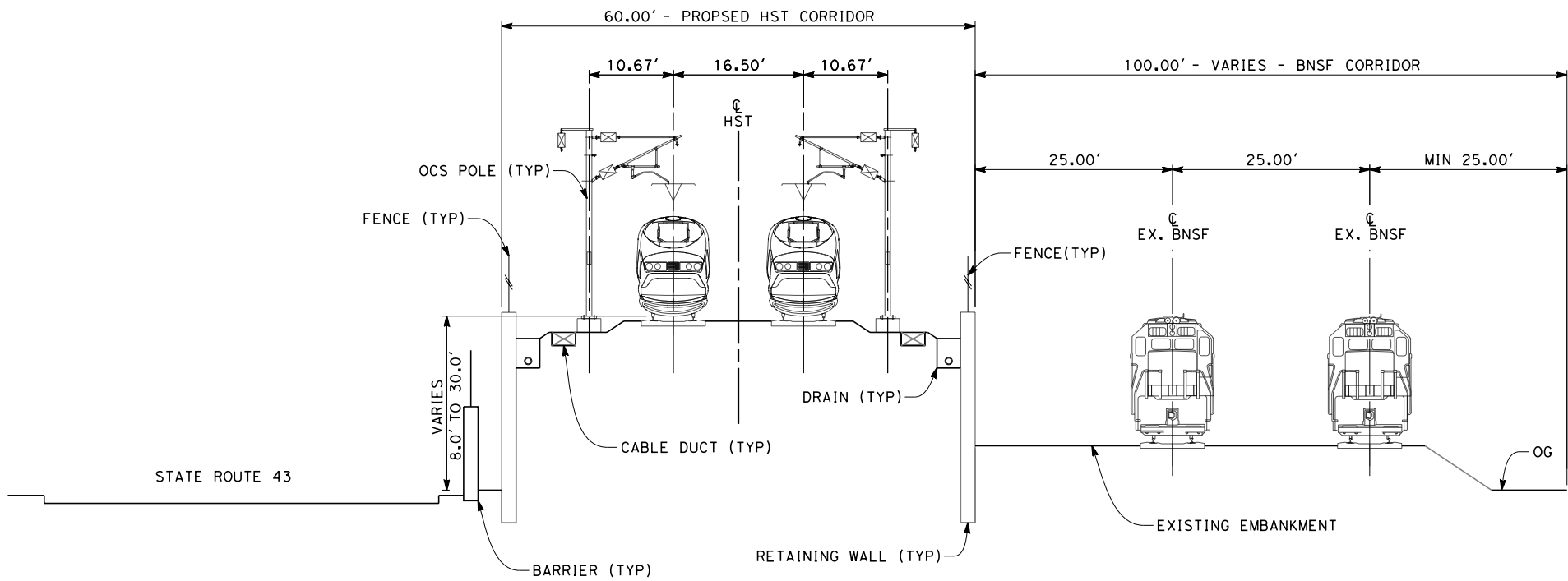
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3211
SCALE AS SHOWN
SHEET NO. 29 OF 33

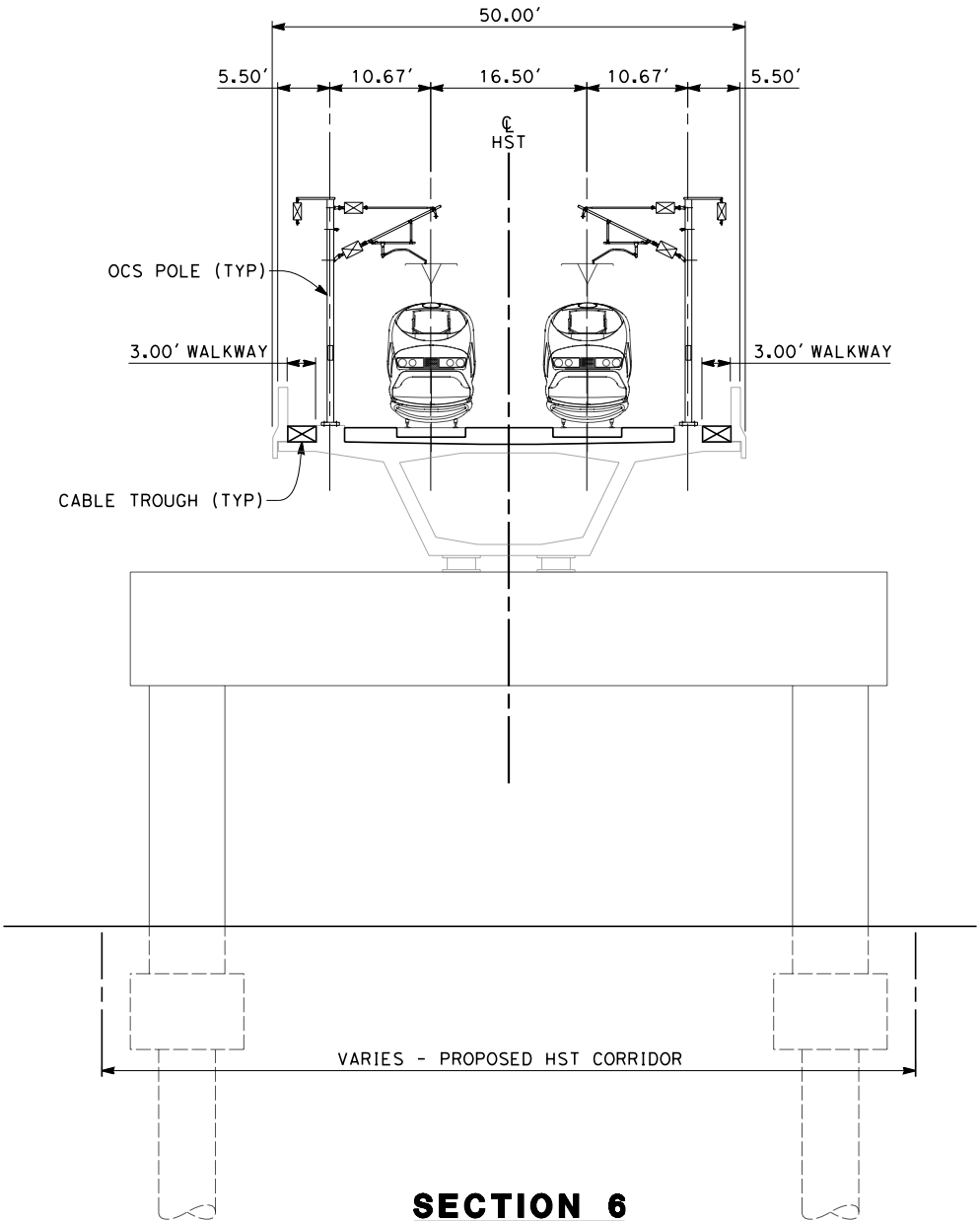
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



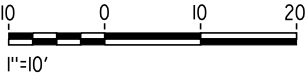
SECTION 5

TWIN TRACK - RETAINED EMBANKMENT BETWEEN BNSF AND STATE ROUTE 43
STA 2702+00 THROUGH 2716+53



SECTION 6

TWIN TRACK - AERIAL STRUCTURE WITH STRADDLE BENT
STA 2730+93 THROUGH 2736+93



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

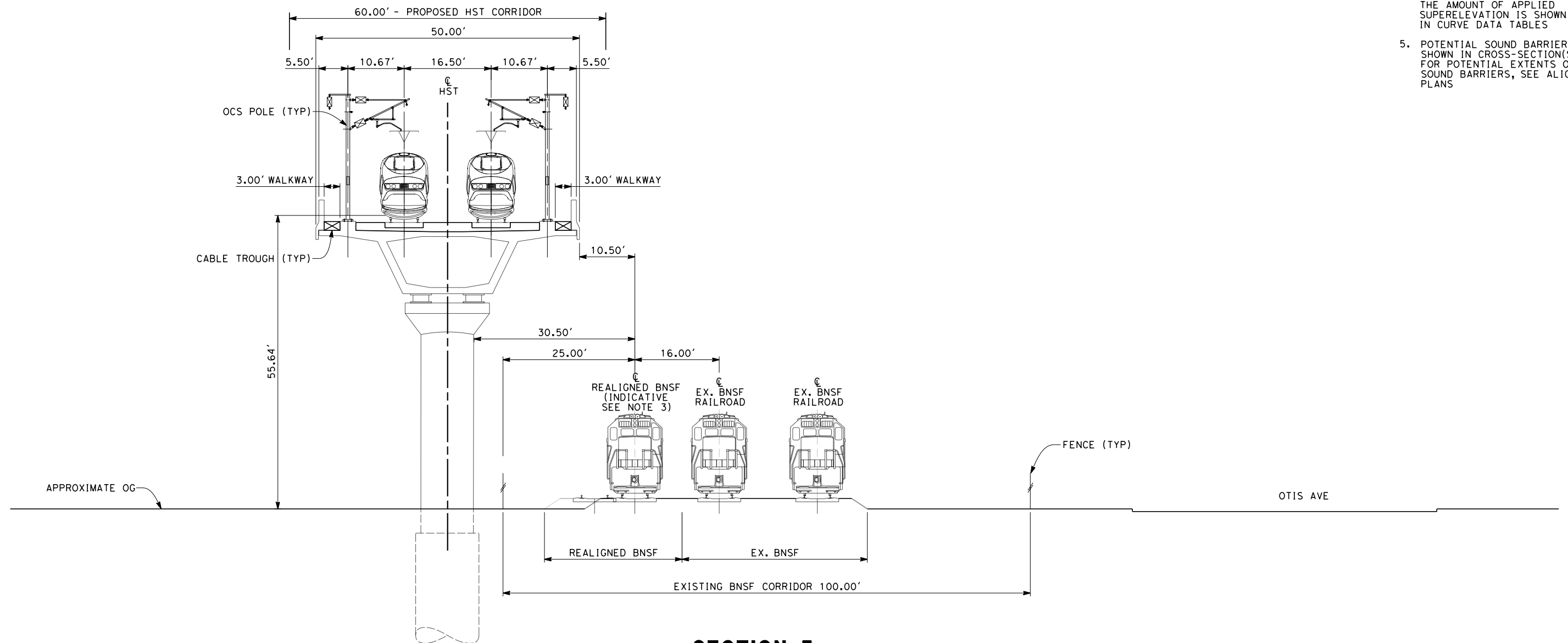


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
CROSS SECTIONS

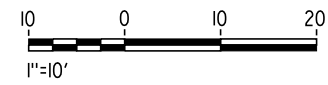
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3212
SCALE AS SHOWN
SHEET NO. 30 OF 33

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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS.
 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
 5. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS

SECTION 7
TWIN TRACKS - AERIAL VIADUCT WITH REALIGNED BNSF SIDINGS
STA 2778+00 THROUGH 2792+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



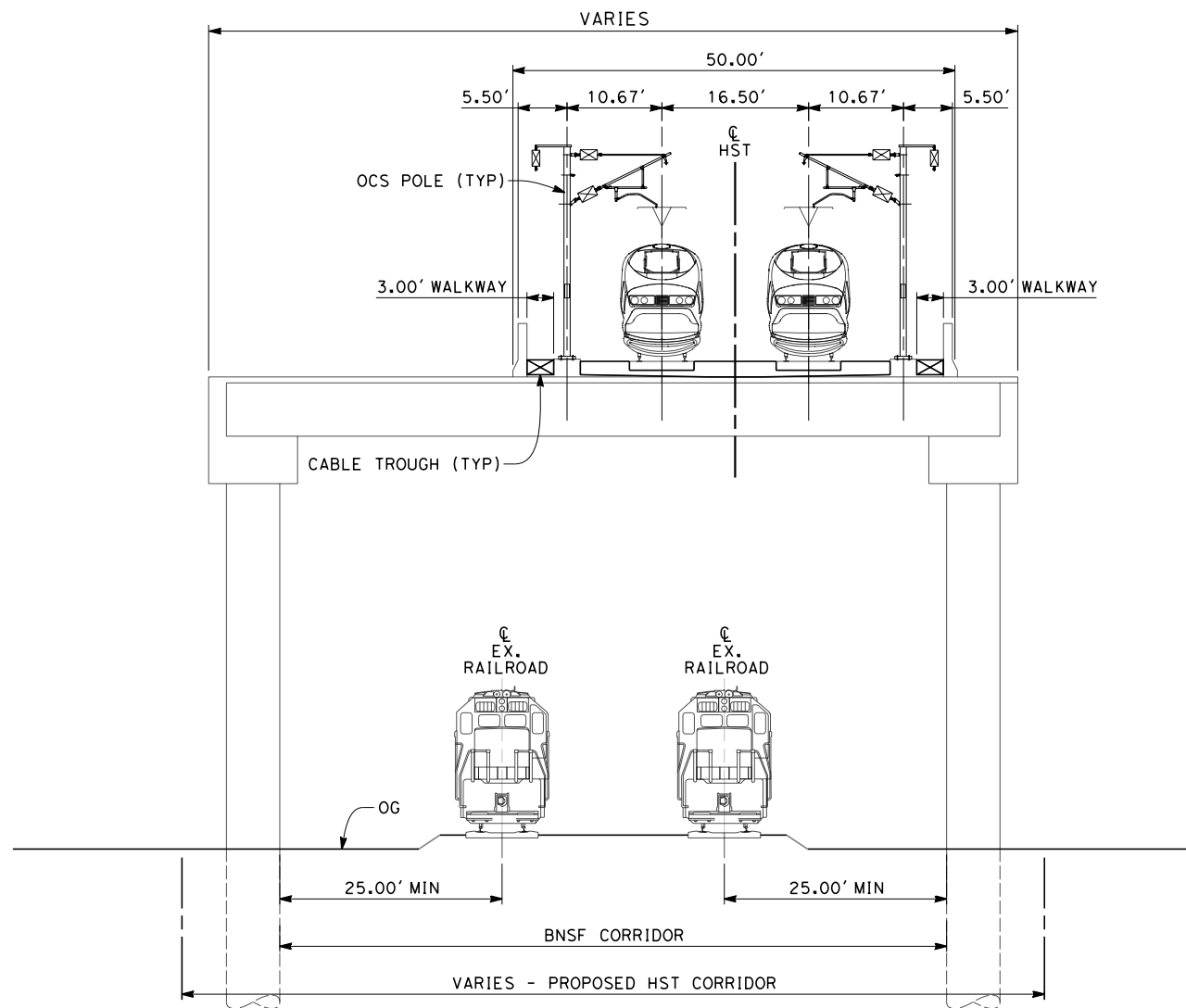
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3213
SCALE AS SHOWN
SHEET NO. 31 OF 33

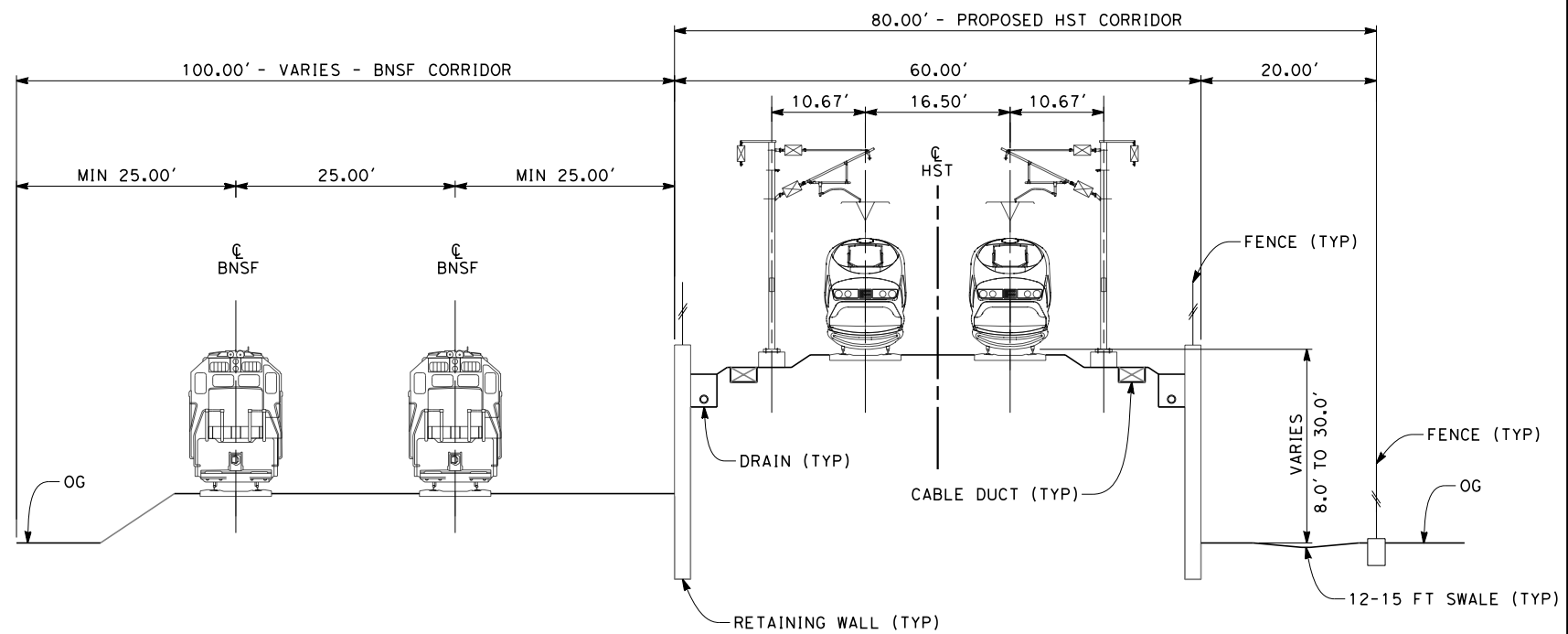
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



SECTION 8

TWIN TRACK - ELEVATED SLAB
STA. 2901+50 THROUGH 2918+60



SECTION 9

TWIN TRACK - ADJACENT TO BNSF - RETAINED EMBANKMENT
STA. 3047+93 THROUGH 3074+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

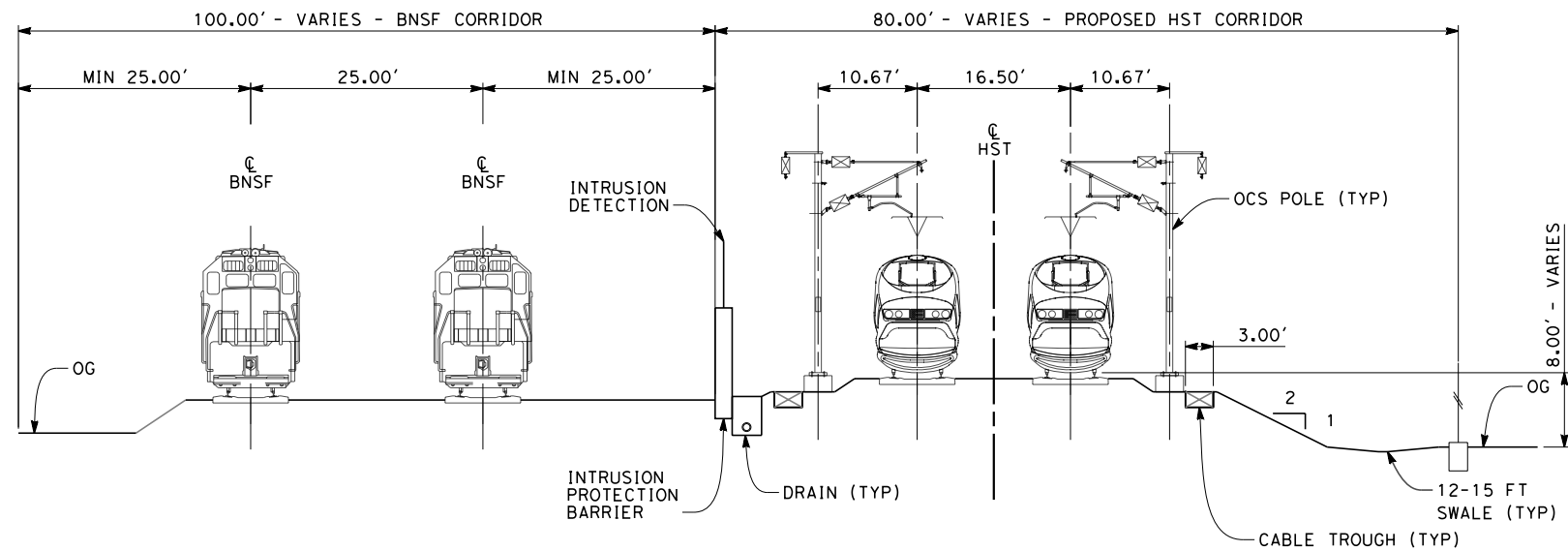


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C1
CROSS SECTIONS

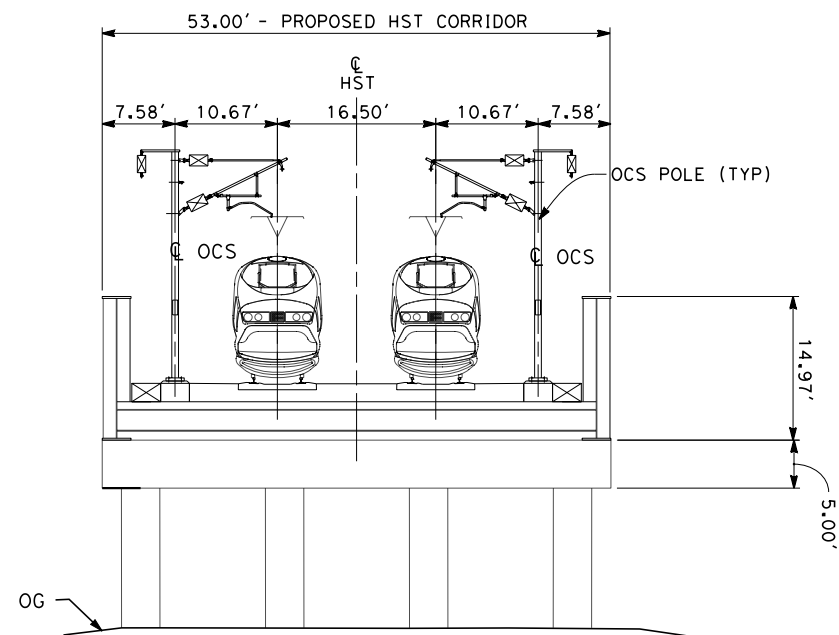
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DRAWING NO. CB3214
SCALE AS SHOWN
SHEET NO. 32 OF 33

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SECTION 10

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 3074+50 THROUGH 3096+00



SECTION 11

TWIN TRACKS OVER UNDERCROSSING
STA 2244+92.89 THROUGH 2247+96.89 (STATE ROUTE 43)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

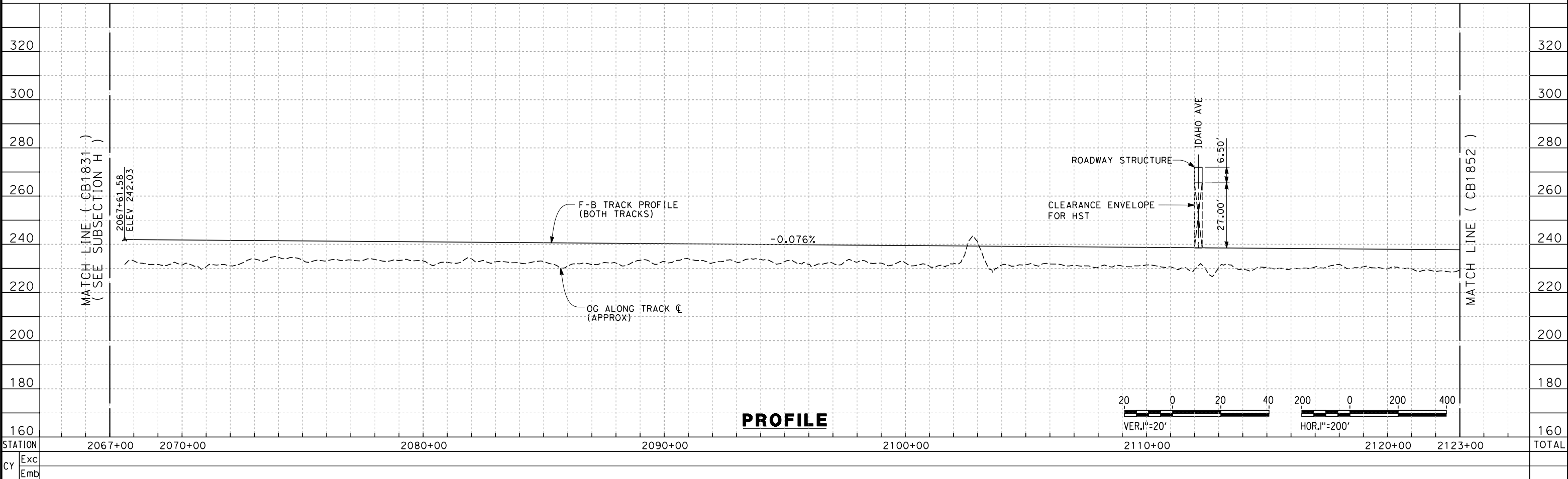
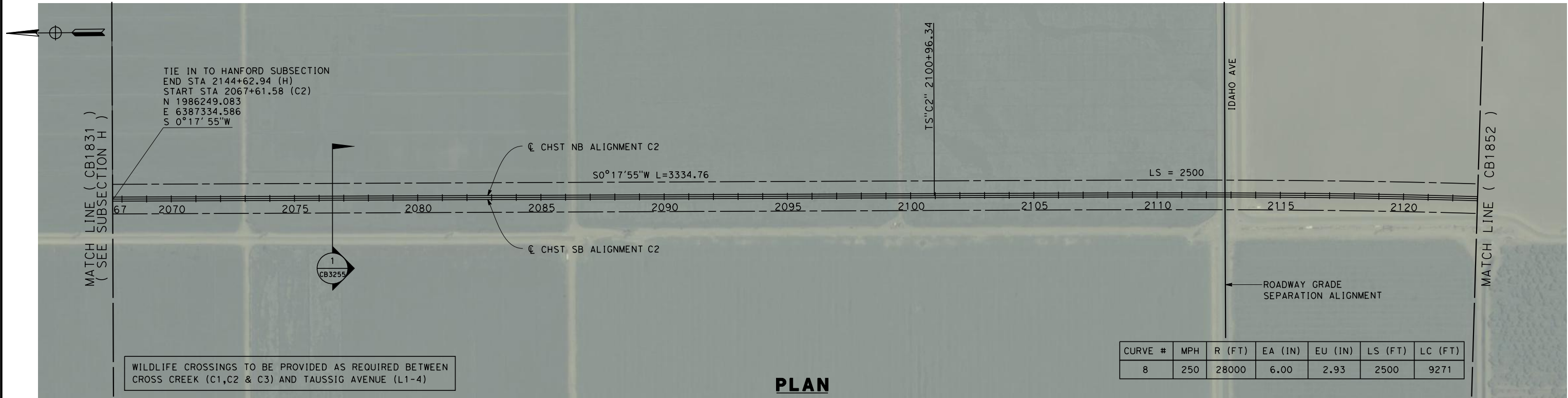


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION ALIGNMENT C1 CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3215
SCALE AS SHOWN
SHEET NO. 33 OF 33

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keith.seymour



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

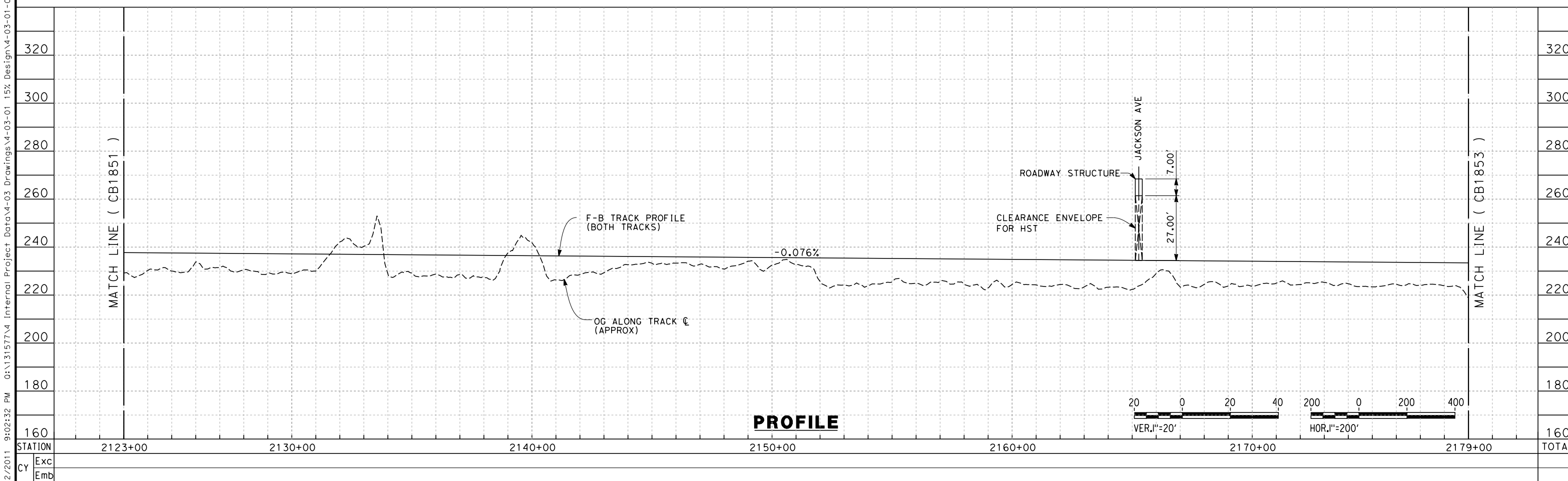
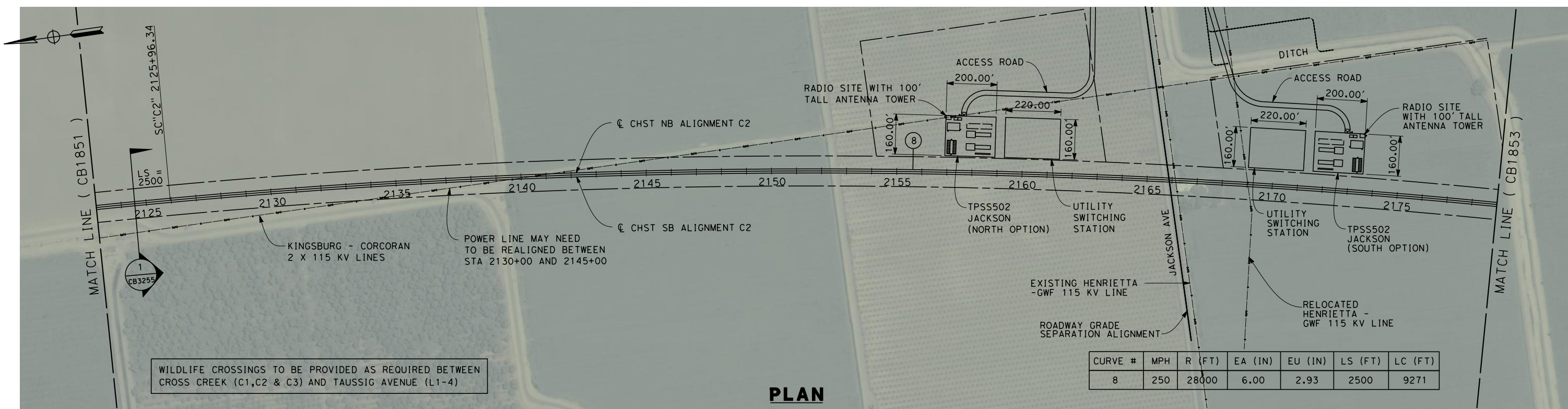


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2067+00 TO 2123+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1851
SCALE
AS SHOWN
SHEET NO.
2 OF 27

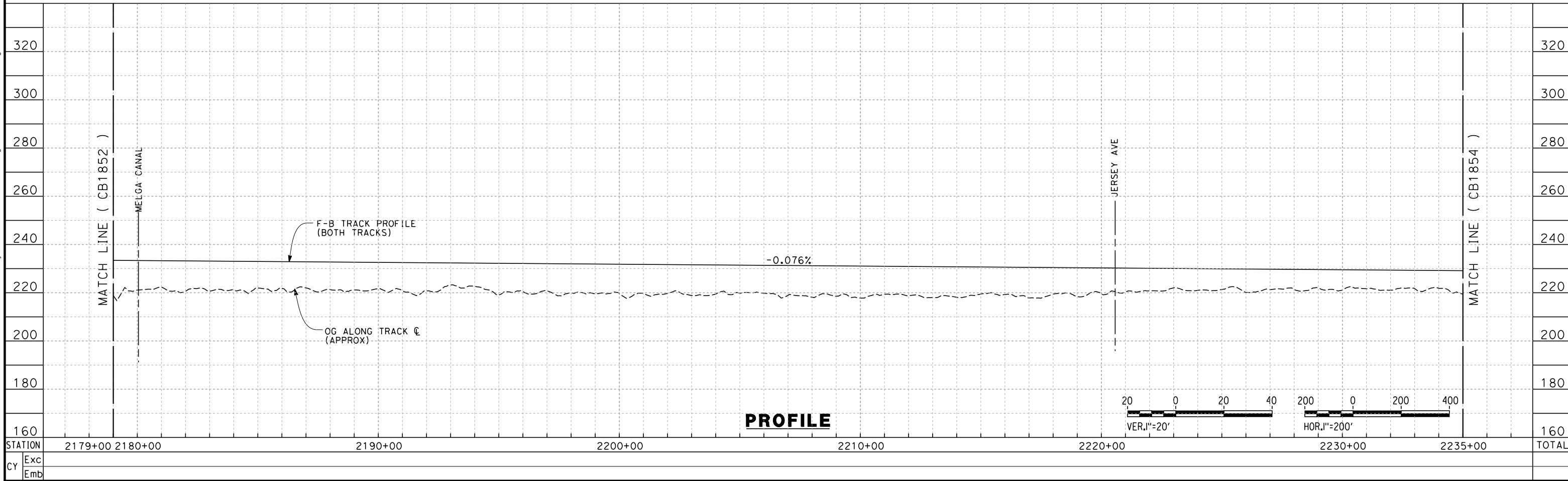
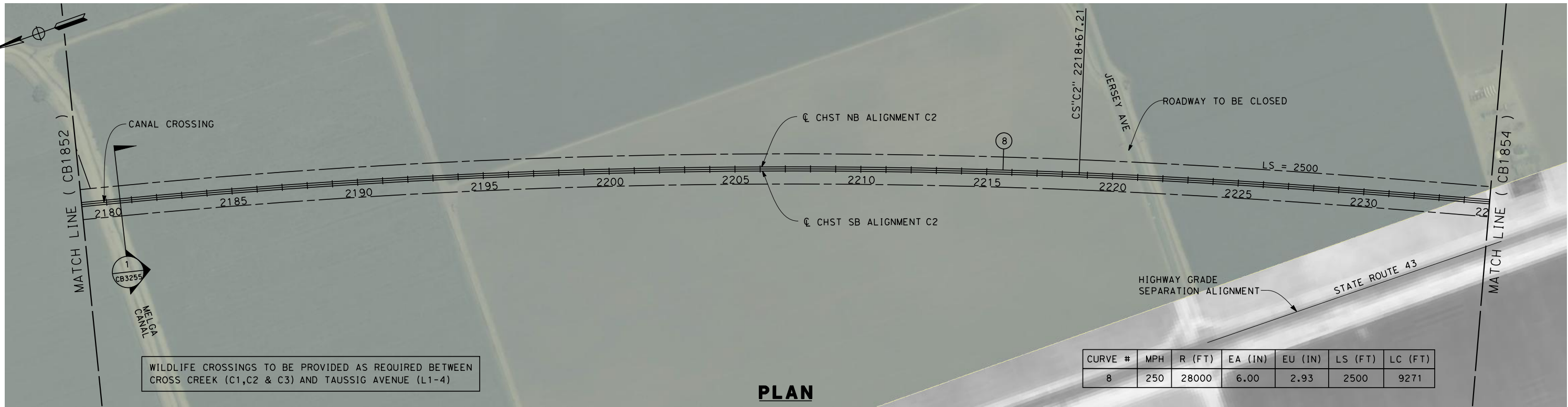
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN BYPASS SUBSECTION ALIGNMENT C2 STA. 2123+00 TO 2179+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1852 SCALE AS SHOWN SHEET NO. 3 OF 27	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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keith.seymour



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

RECORD SET 15%
DESIGN SUBMISSION

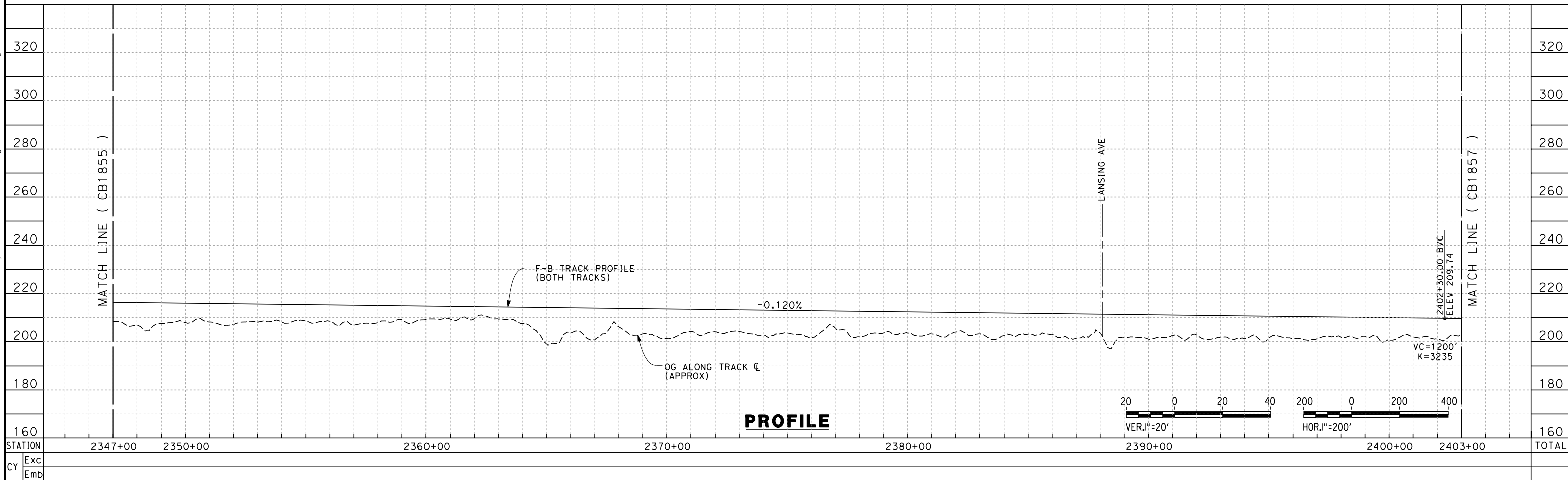
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2179+00 TO 2235+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1853
SCALE
AS SHOWN
SHEET NO.
4 OF 27

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

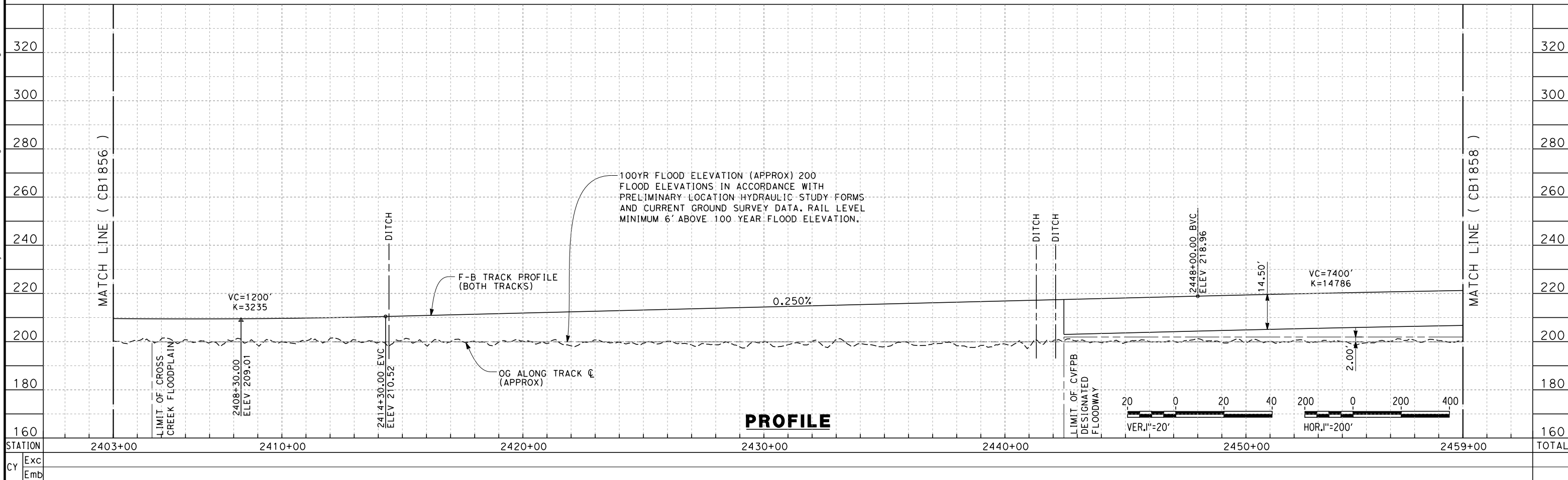
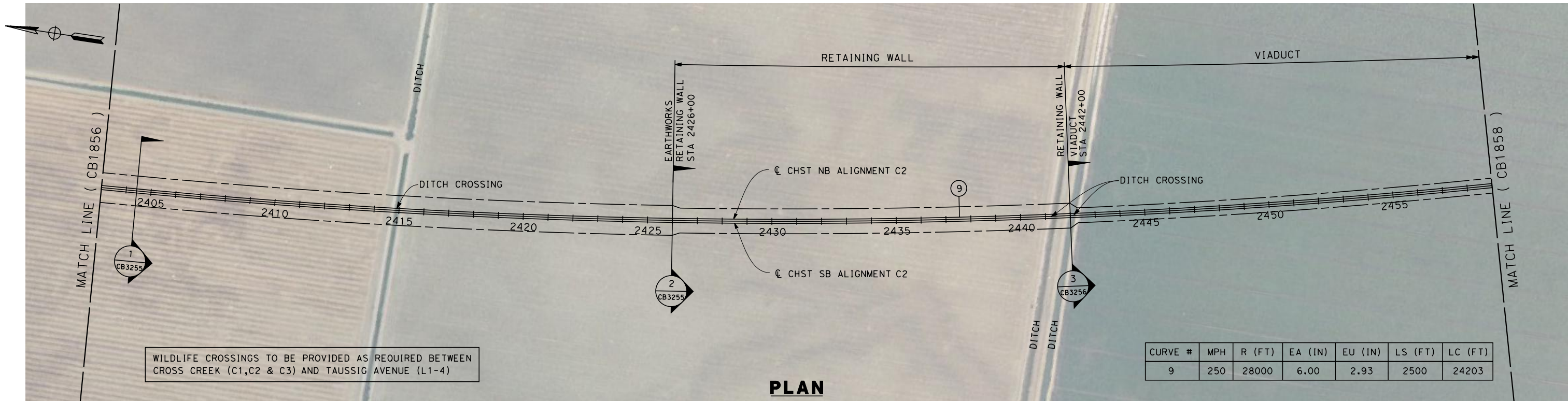
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2347+00 TO 2403+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1856
SCALE
AS SHOWN
SHEET NO.
7 OF 27

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

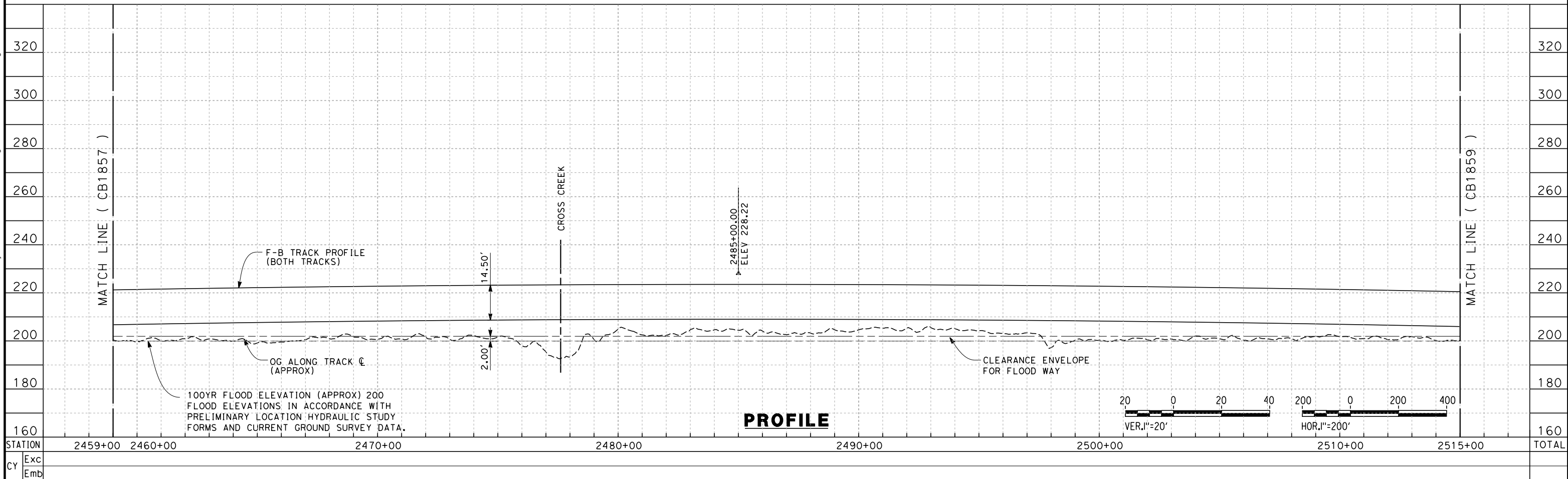
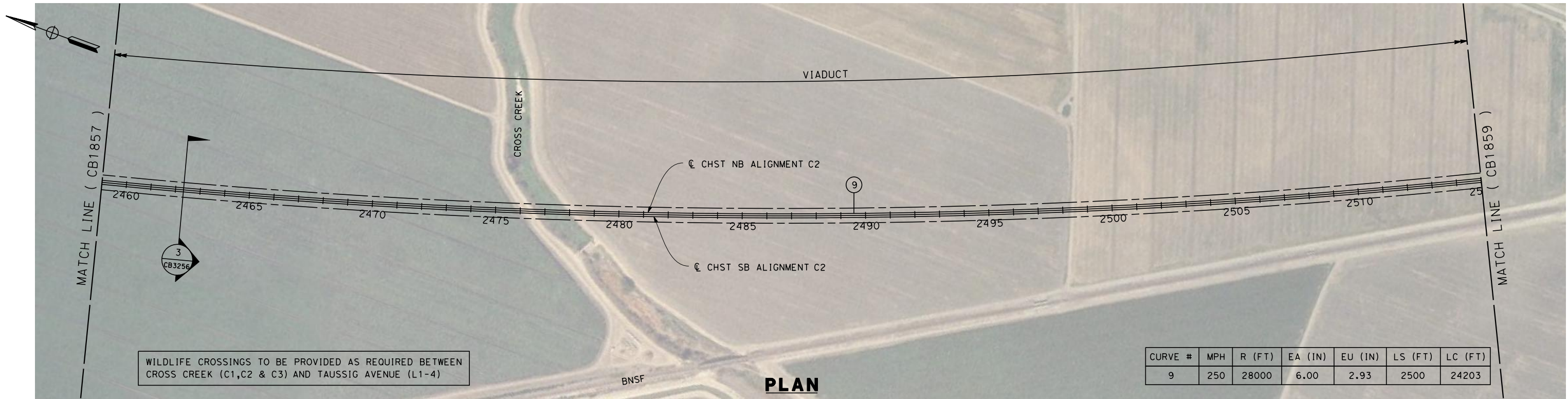
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2403+00 TO 2459+00
PLAN AND PROFILE

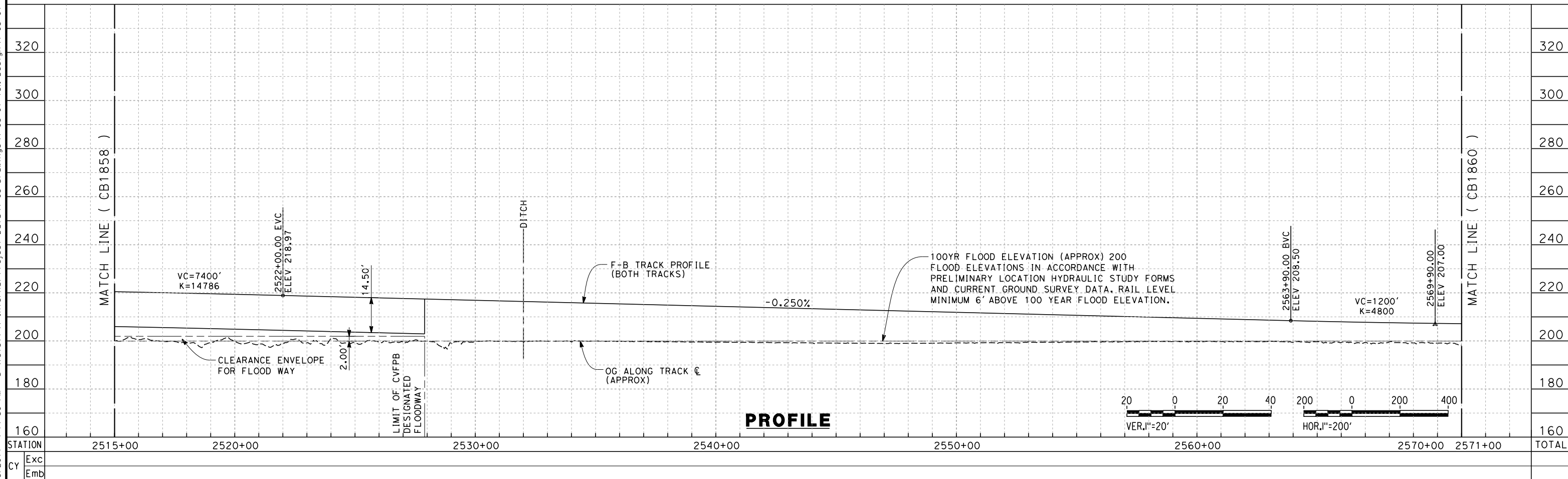
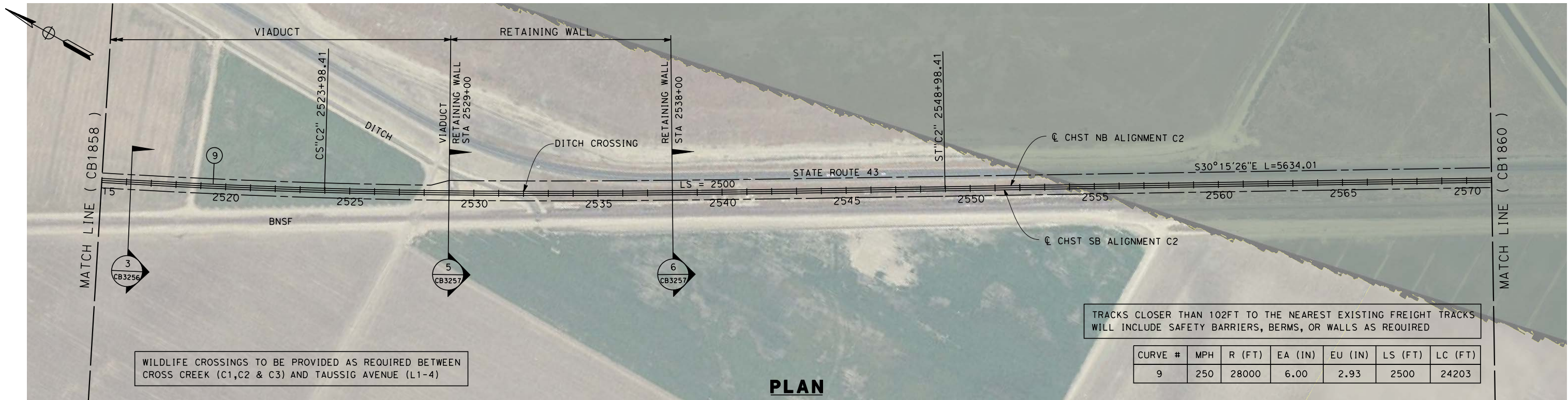
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HSR 06-0003
DRAWING NO.
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DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN BYPASS SUBSECTION ALIGNMENT C2 STA. 2459+00 TO 2515+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003																																
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REV	DATE	BY	CHK	APP	DESCRIPTION																																				

frank.palermo 7/18/2011 4:17:50 PM 0:\1315177\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design\4-03-01-05 Design Sheets\Rail\HSR 15% Design\CB-1859-C2.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

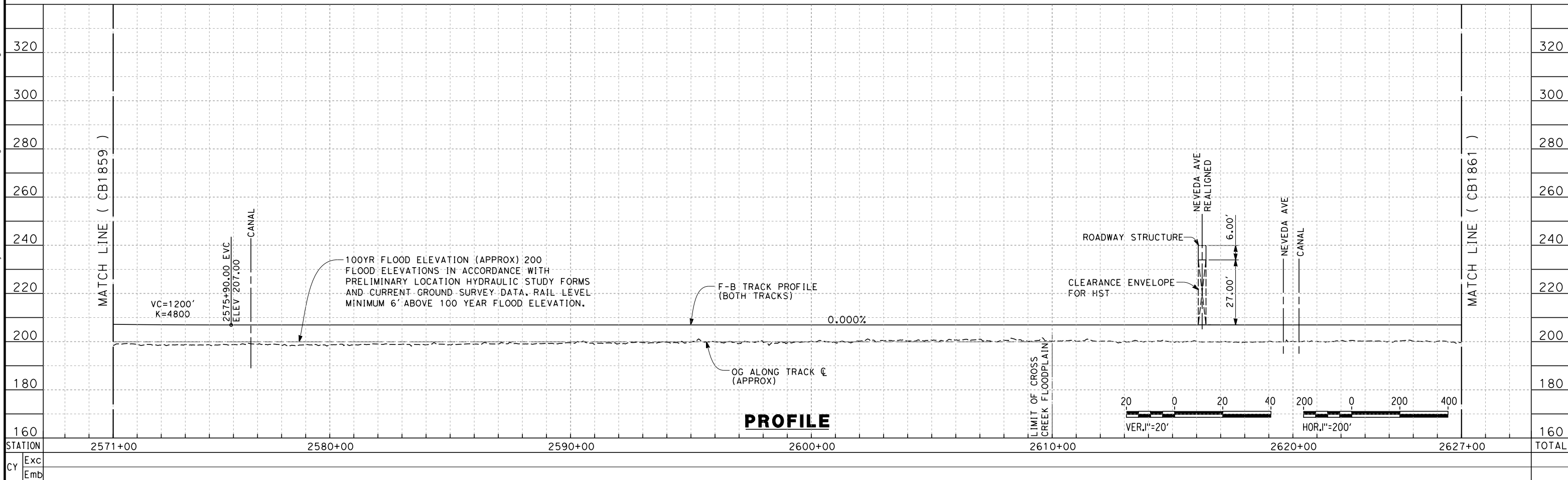
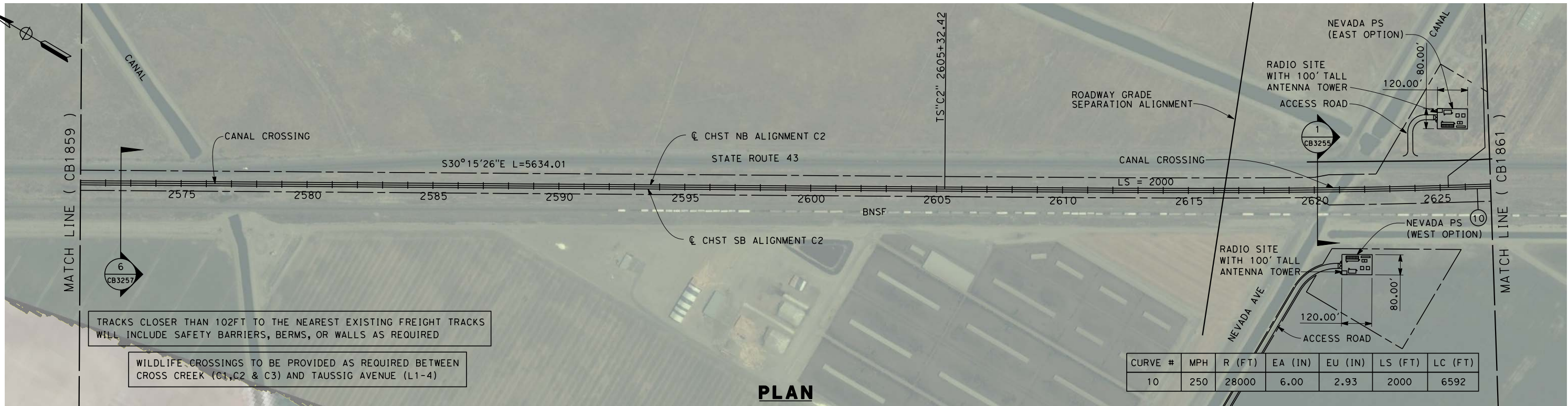


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2515+00 TO 2571+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1859
SCALE
AS SHOWN
SHEET NO.
10 OF 27

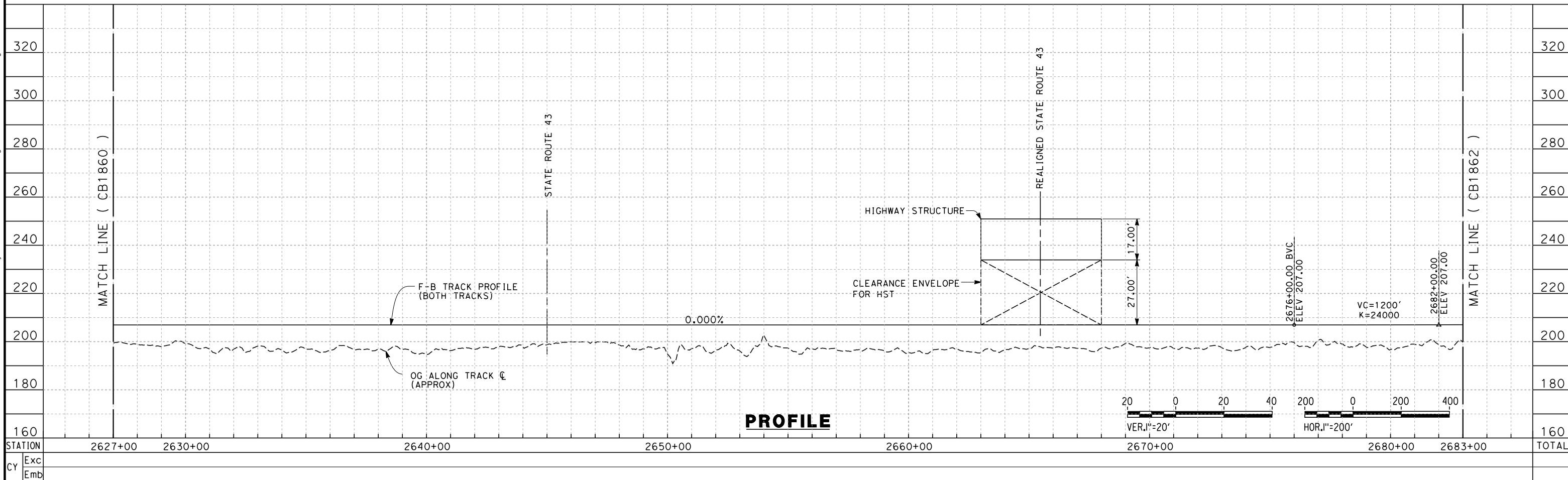
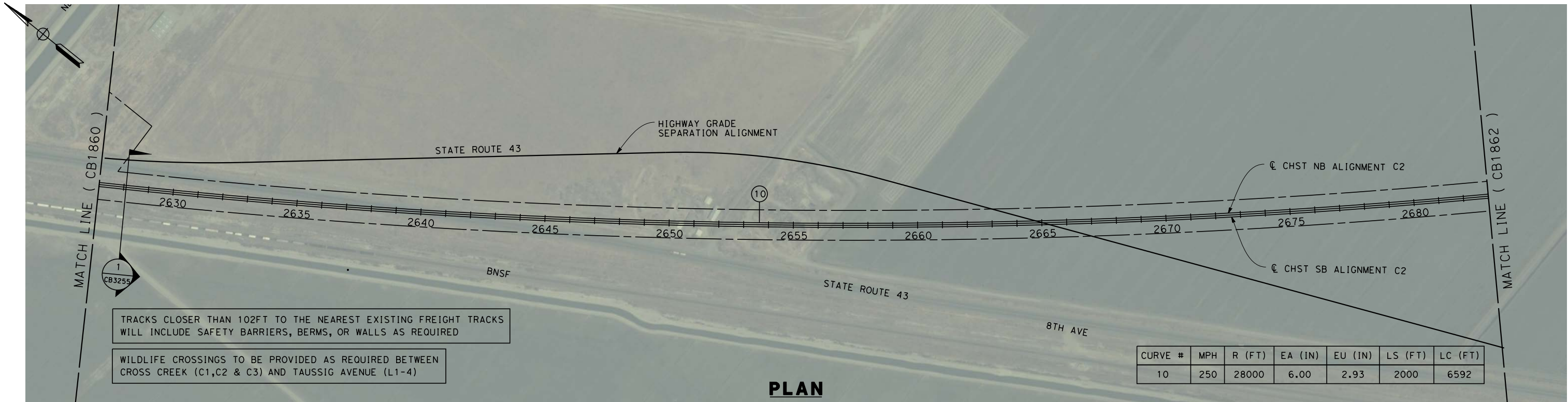
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DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN BYPASS SUBSECTION ALIGNMENT C2 STA. 2571+00 TO 2627+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY J. REILLY					DRAWING NO. CB1860
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE A. LUFT					SHEET NO. 11 OF 27
DATE 06/30/11					

REV	DATE	BY	CHK	APP	DESCRIPTION

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

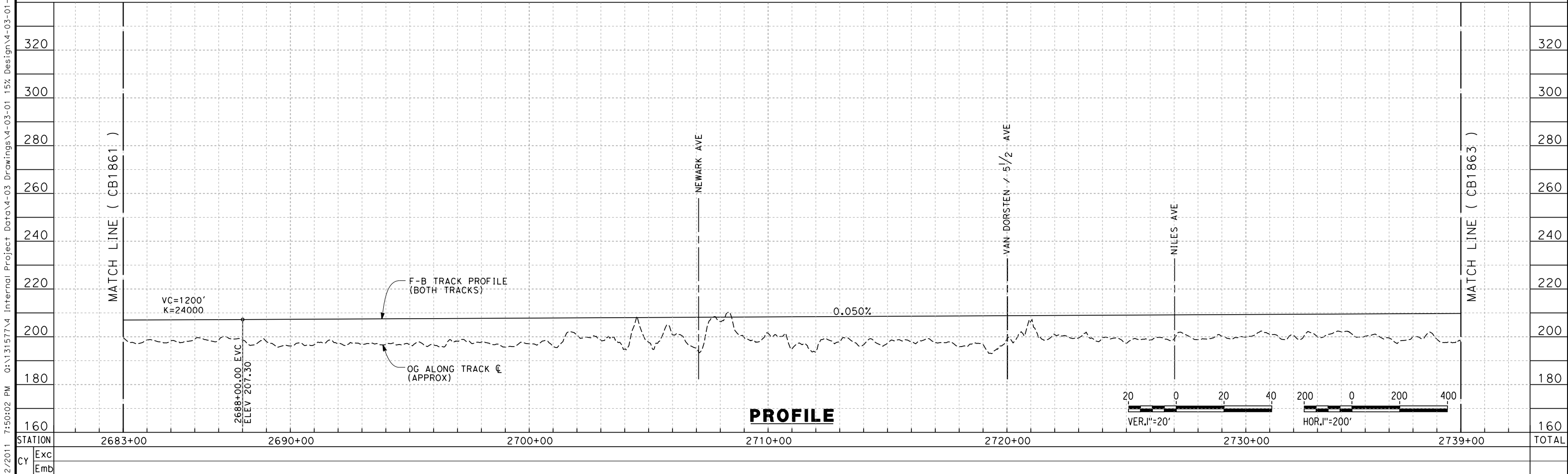
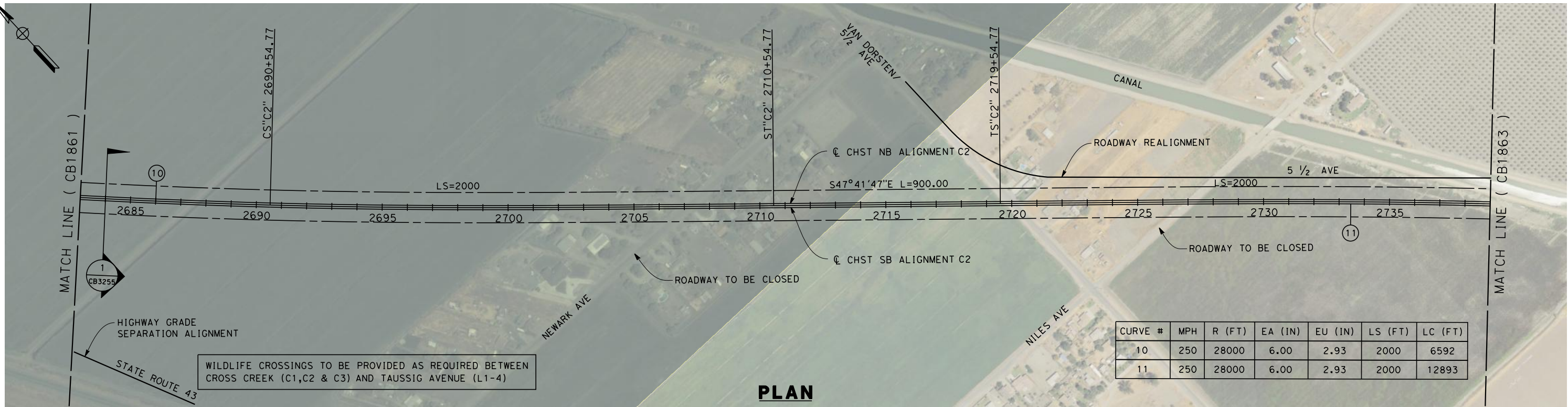


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2627+00 TO 2683+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1861
SCALE
AS SHOWN
SHEET NO.
12 OF 27

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keith.seymour



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

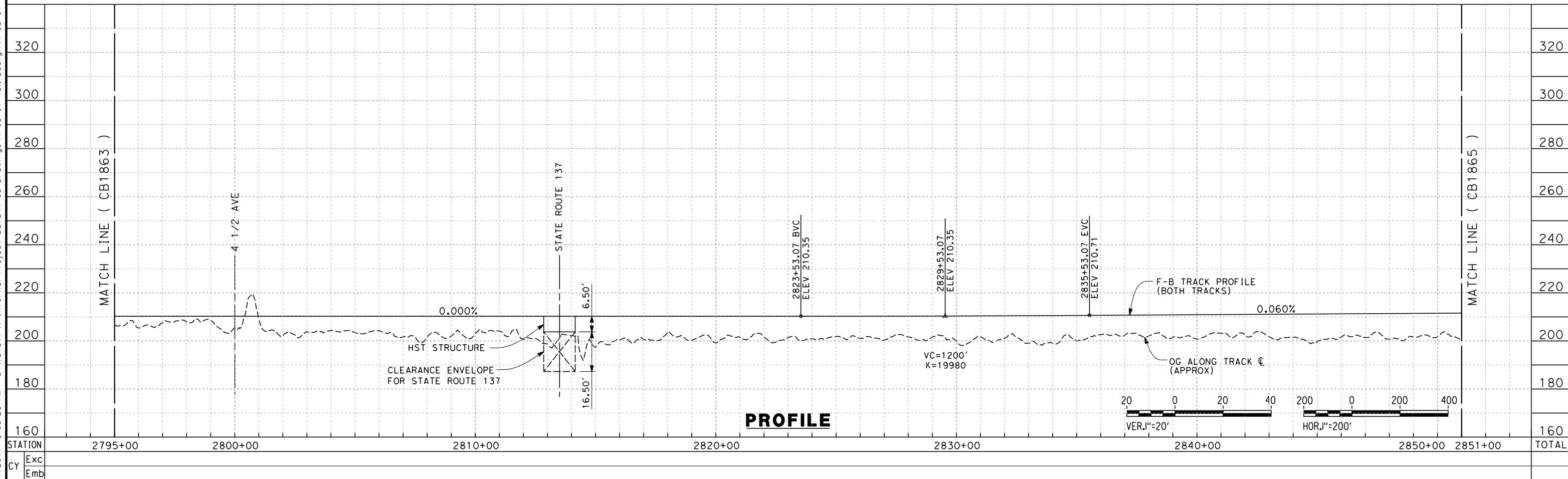
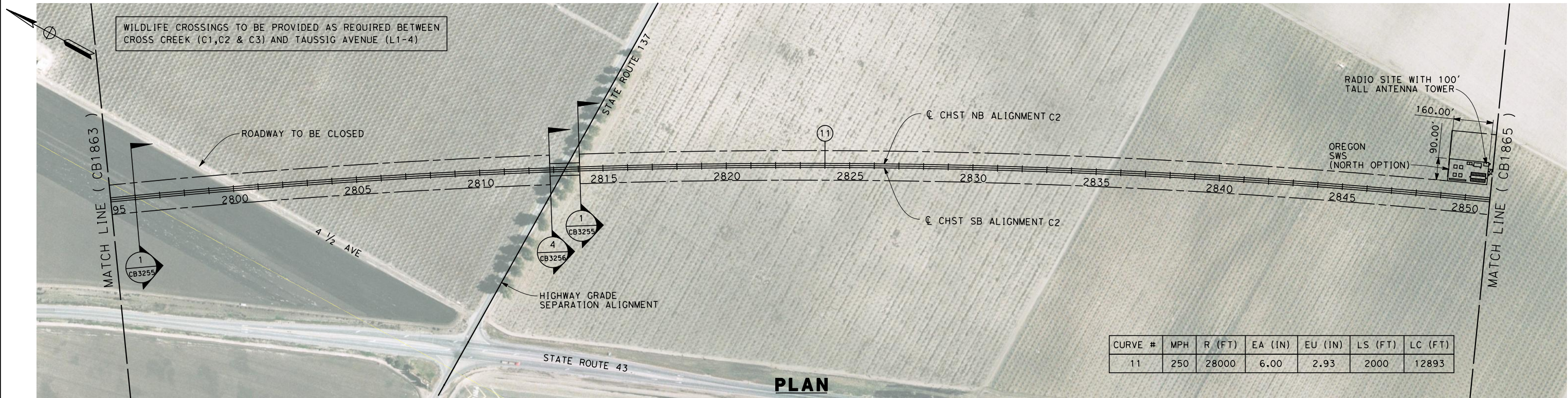
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2683+00 TO 2739+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1862
SCALE
AS SHOWN
SHEET NO.
13 OF 27

6/27/2011 5:03:26 PM 0:\131577\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design\Sheets\Rail\HSR 15% Design\4-03-01-05 Design\CB-1864-C2.dgn paul.tonkin



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA

DRAWN BY
J. REILLY

CHECKED BY
D. HUNT

IN CHARGE
A. LUFT

DATE
06/30/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2795+00 TO 2851+00
PLAN AND PROFILE

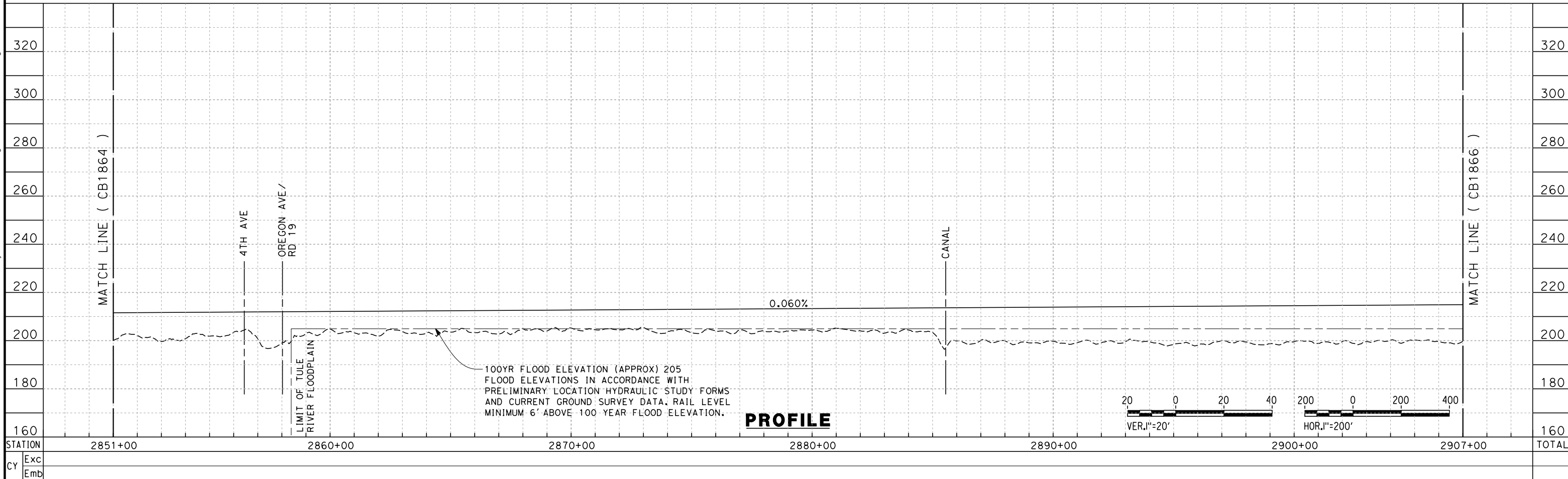
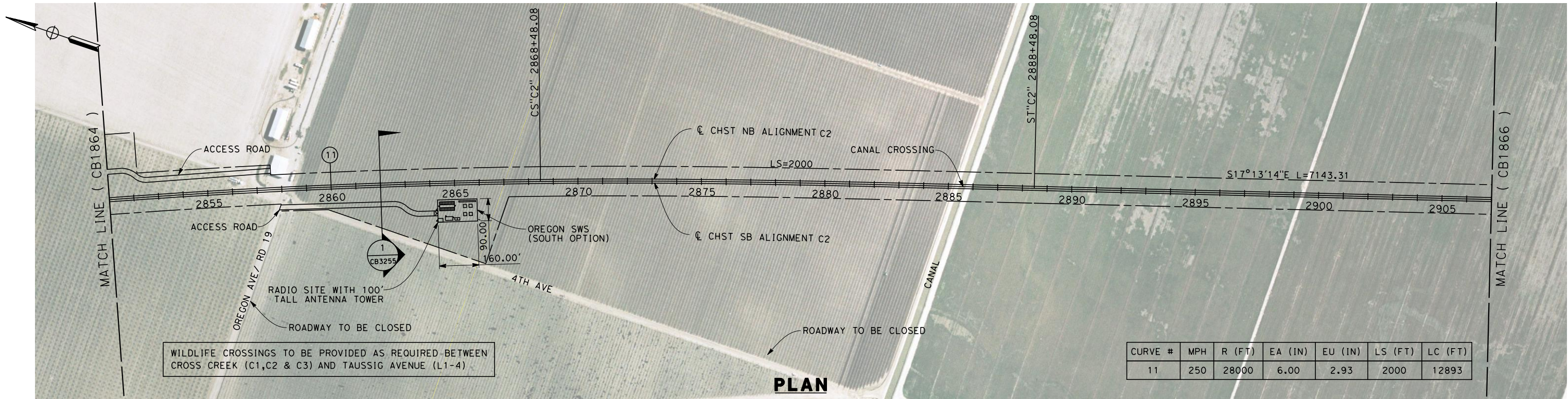
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HSR 06-0003

DRAWING NO.
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AS SHOWN

SHEET NO.
15 OF 27

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
06/30/11

RECORD SET 15%
DESIGN SUBMISSION

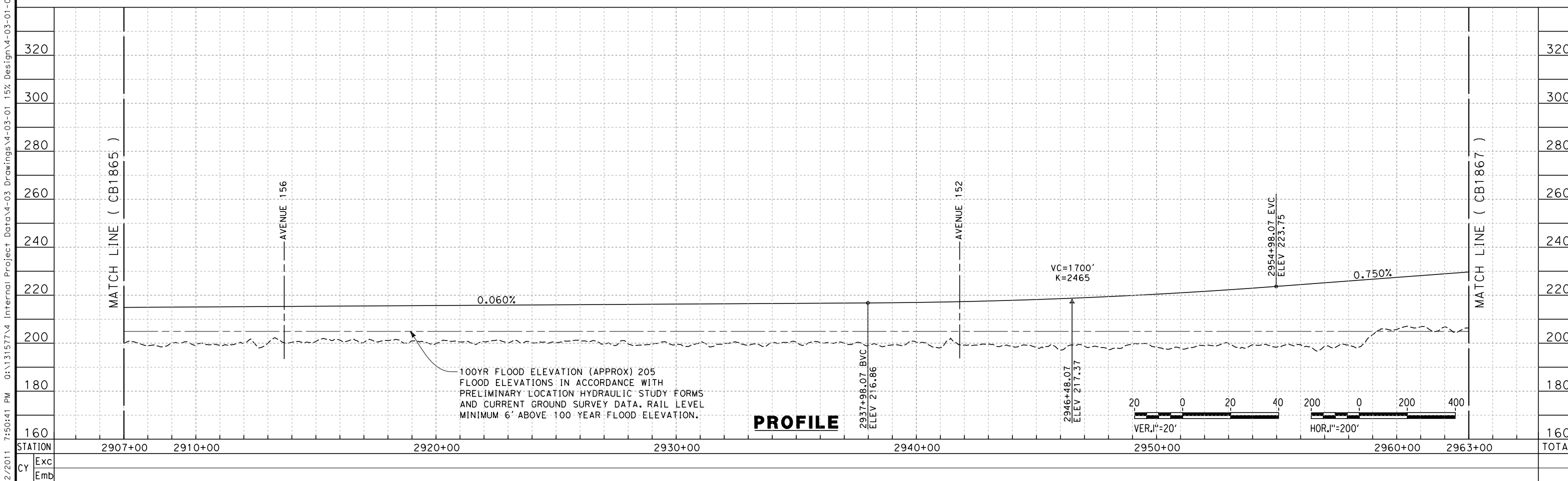
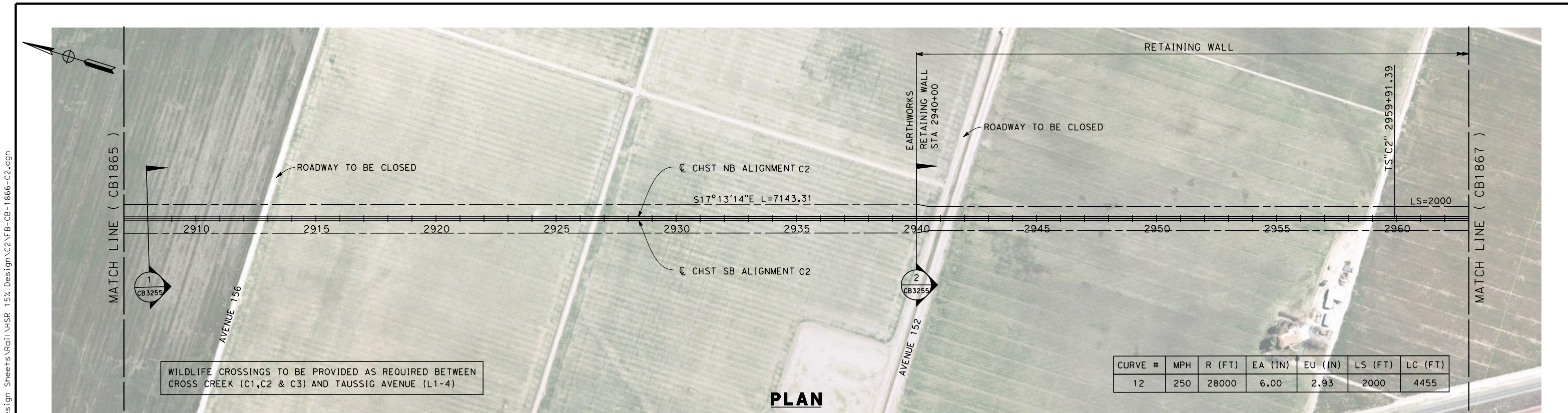
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CONSTRUCTION



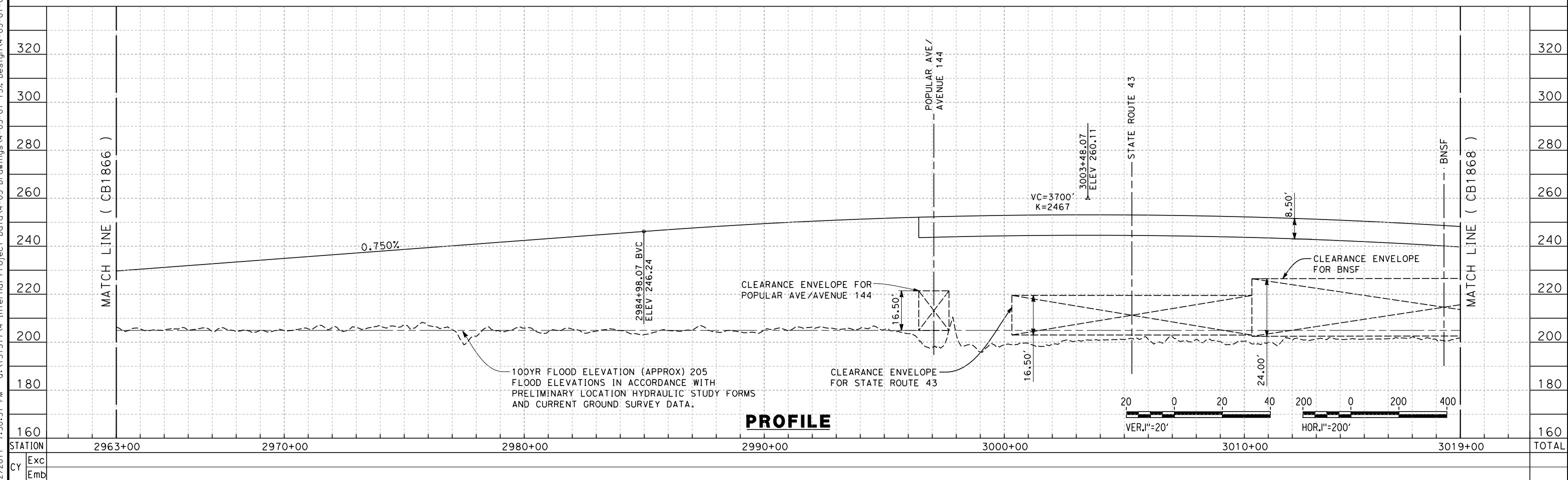
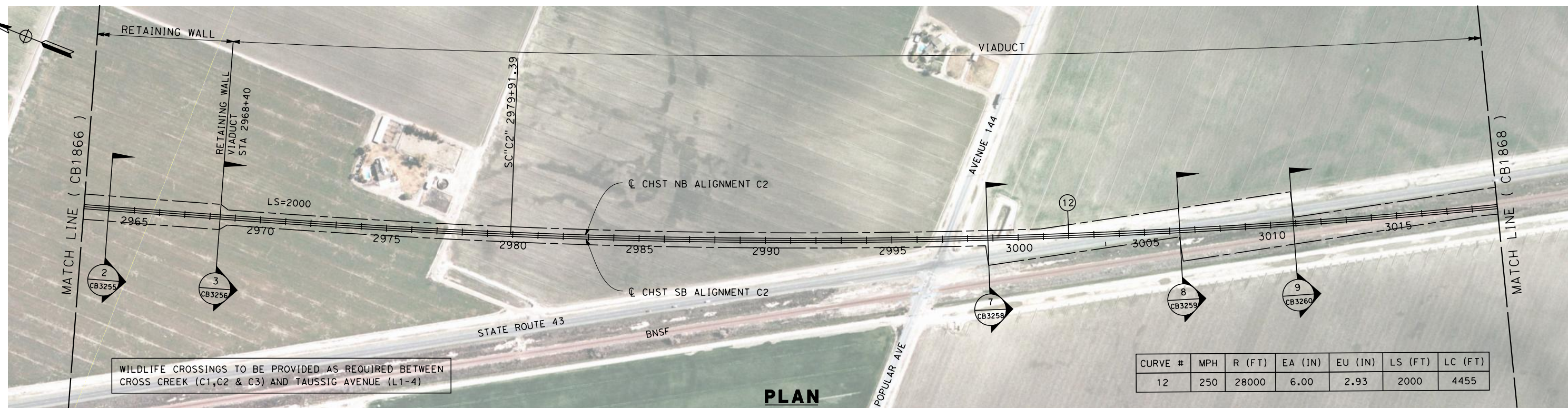
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 2851+00 TO 2907+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1865
SCALE
AS SHOWN
SHEET NO.
16 OF 27

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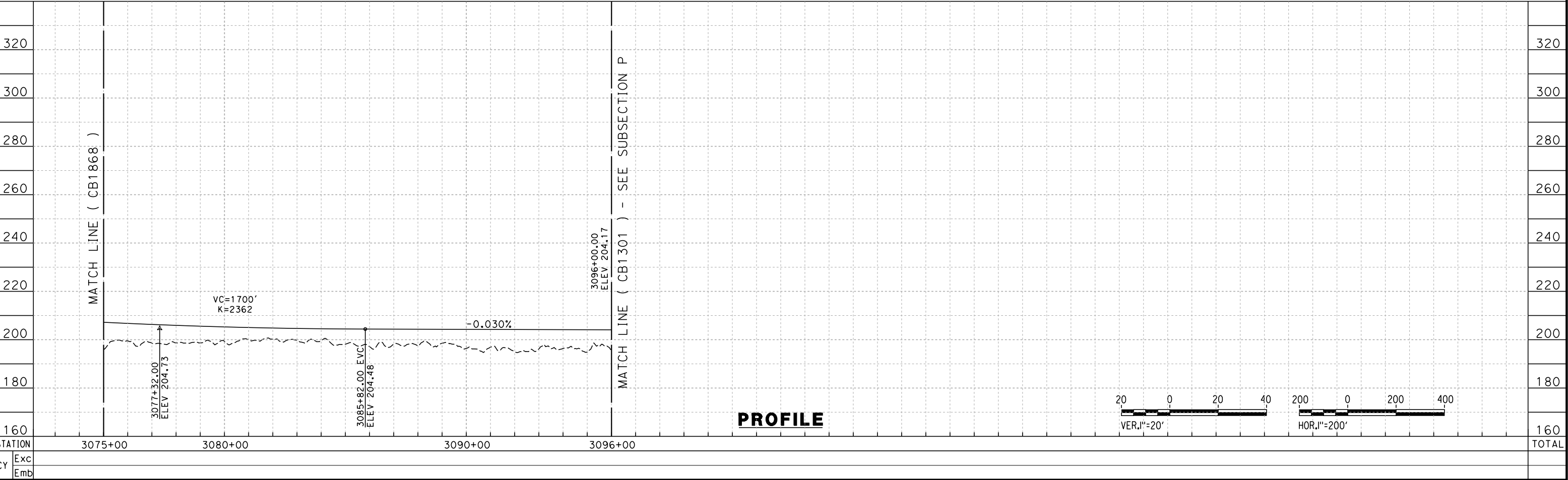
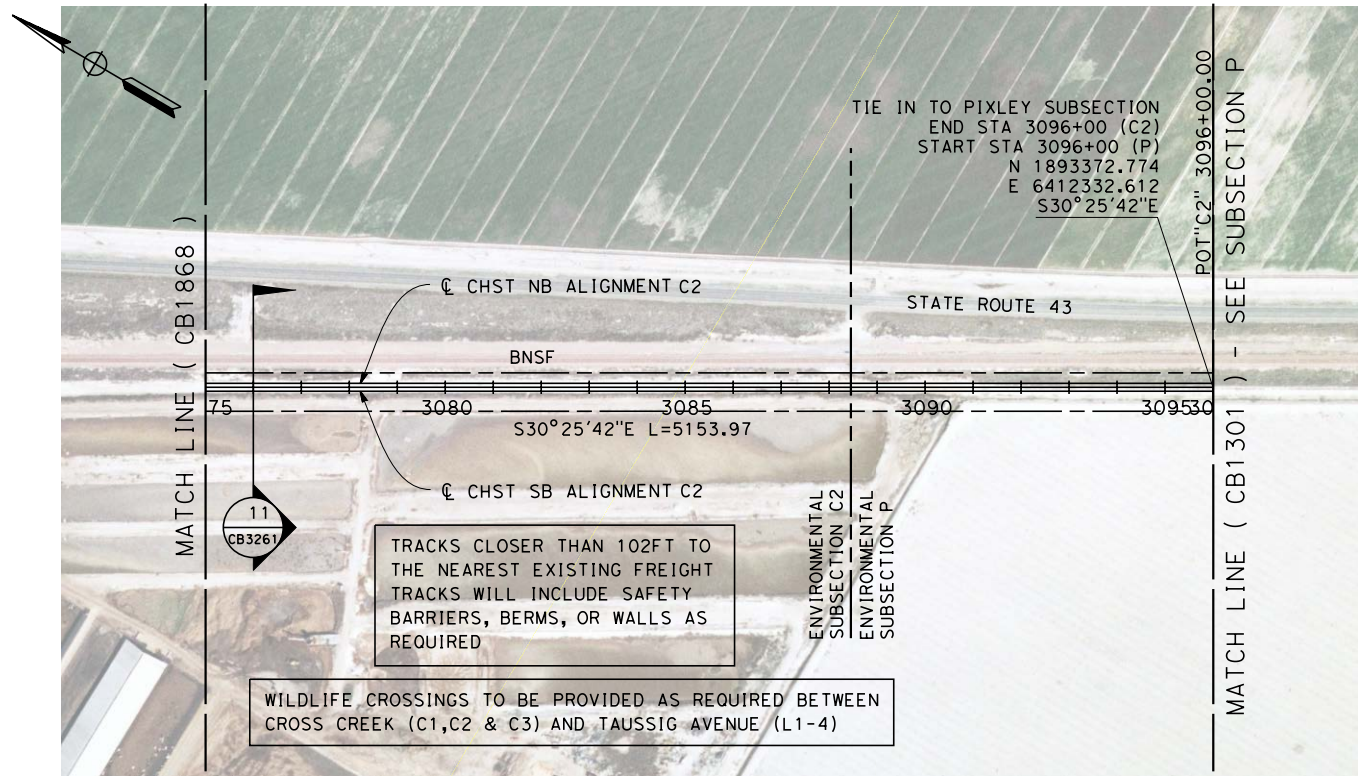


DESIGNED BY G. MEJIA DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 05/13/11					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN BYPASS SUBSECTION ALIGNMENT C2 STA. 2907+00 TO 2963+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1866 SCALE AS SHOWN SHEET NO. 17 OF 27	
REV	DATE	BY	CHK	APP	DESCRIPTION									



						DESIGNED BY G. MEJIA	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN BYPASS SUBSECTION ALIGNMENT C2 STA. 2963+00 TO 3019+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
						DRAWN BY J. REILLY					DRAWING NO. CB1867
						CHECKED BY D. HUNT					SCALE AS SHOWN
						IN CHARGE A. LUFT					SHEET NO. 18 OF 27
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11					

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

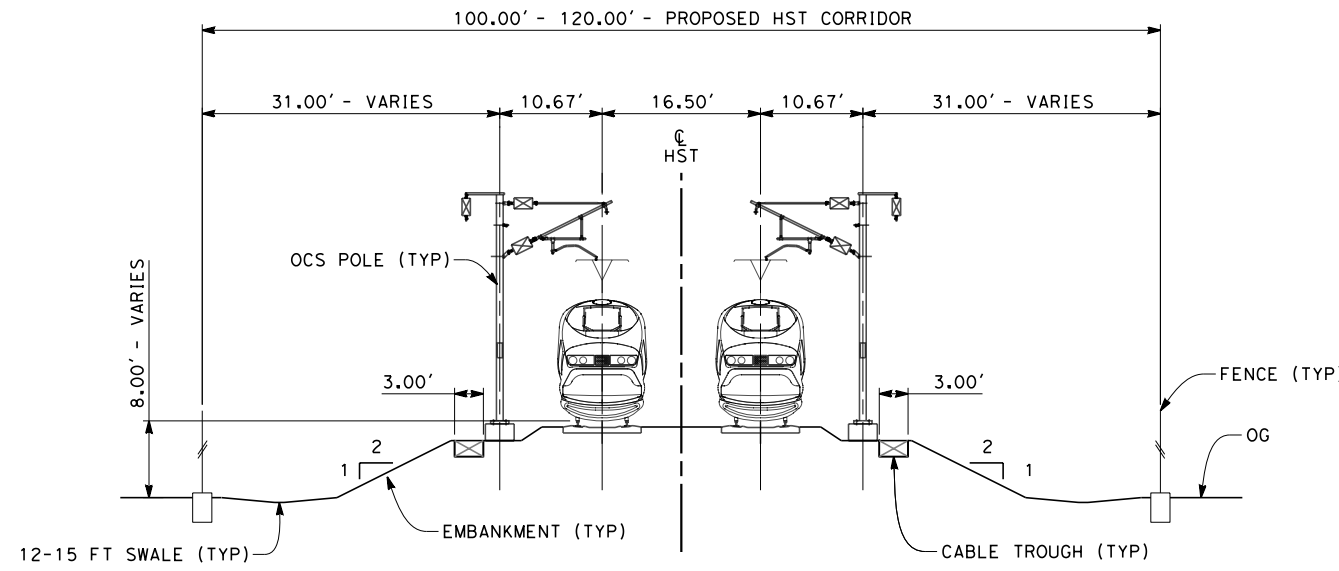


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STA. 3075+00 TO 3096+00
PLAN AND PROFILE

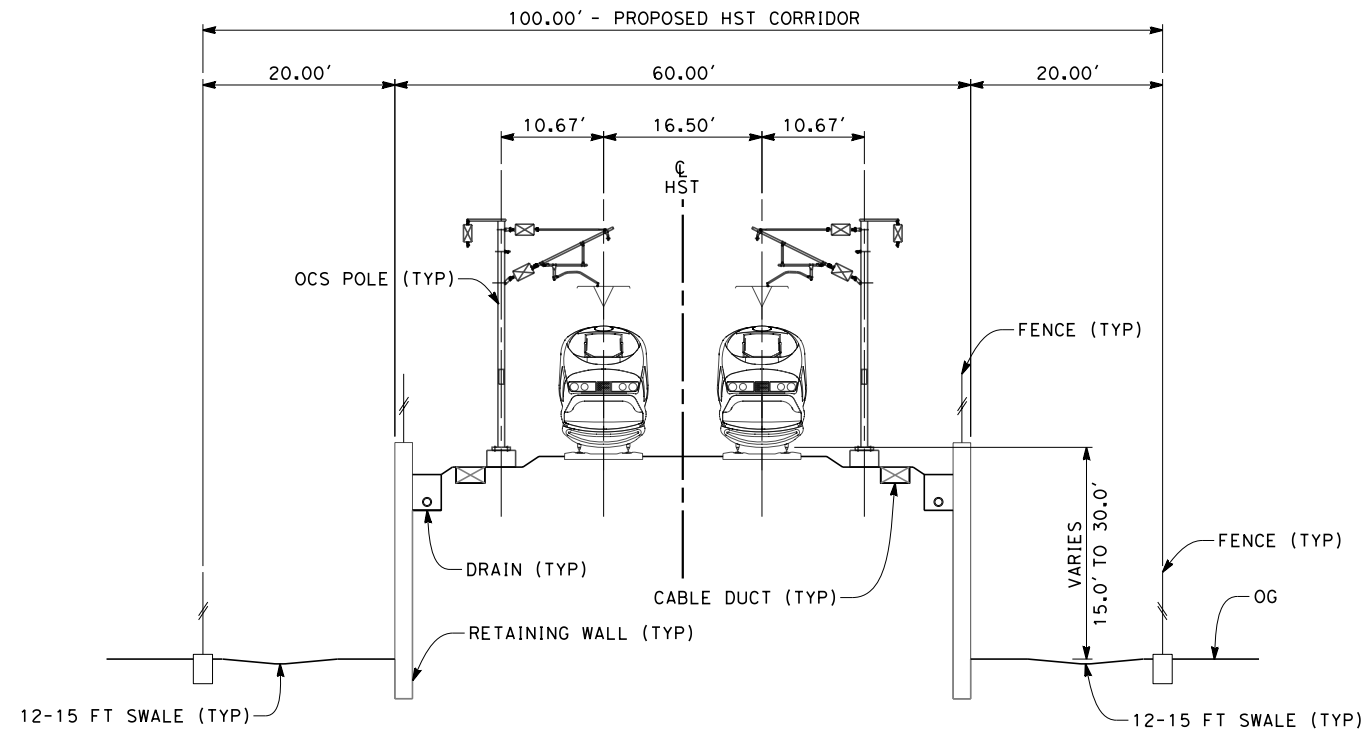
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DRAWING NO. CB1869
SCALE AS SHOWN
SHEET NO. 20 OF 27

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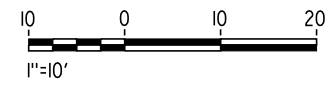
- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 1
TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 2067+61 THROUGH 2237+52
STA 2240+56 THROUGH 2426+00
STA 2620+00 THROUGH 2812+84
STA 2814+05 THROUGH 2940+00



SECTION 2
TWIN TRACK - RETAINED EMBANKMENT
STA 2426+00 THROUGH 2442+00
STA 2940+00 THROUGH 2968+40



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

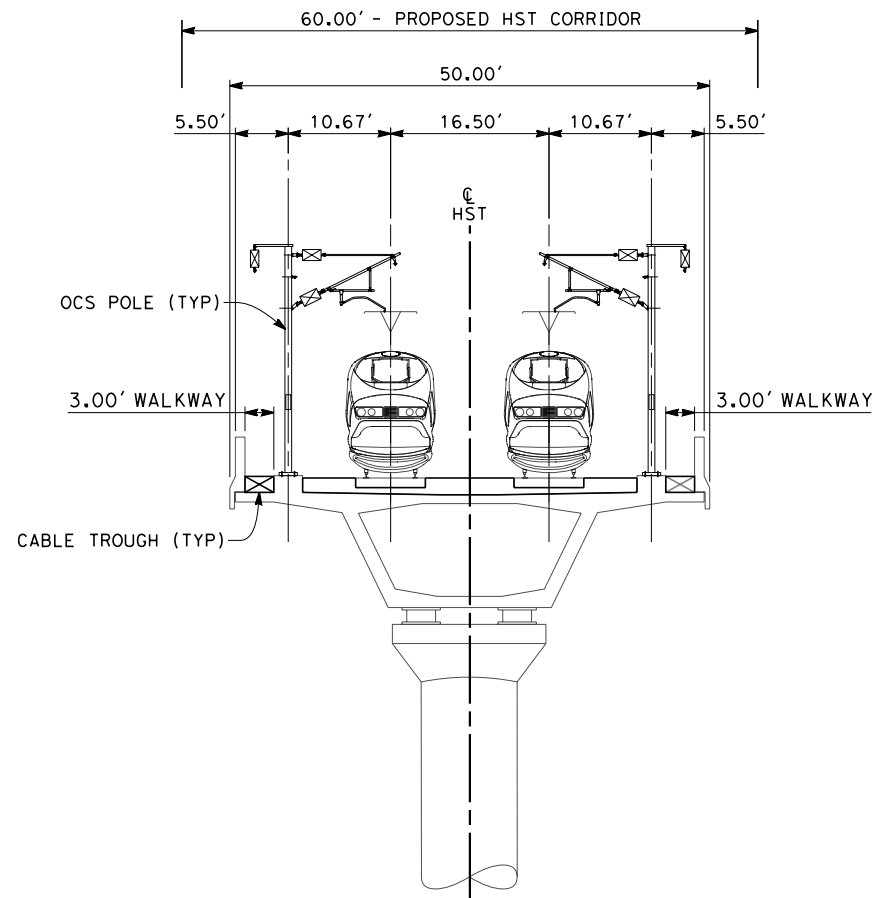


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
CROSS SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3255
SCALE
AS SHOWN
SHEET NO.
21 OF 27

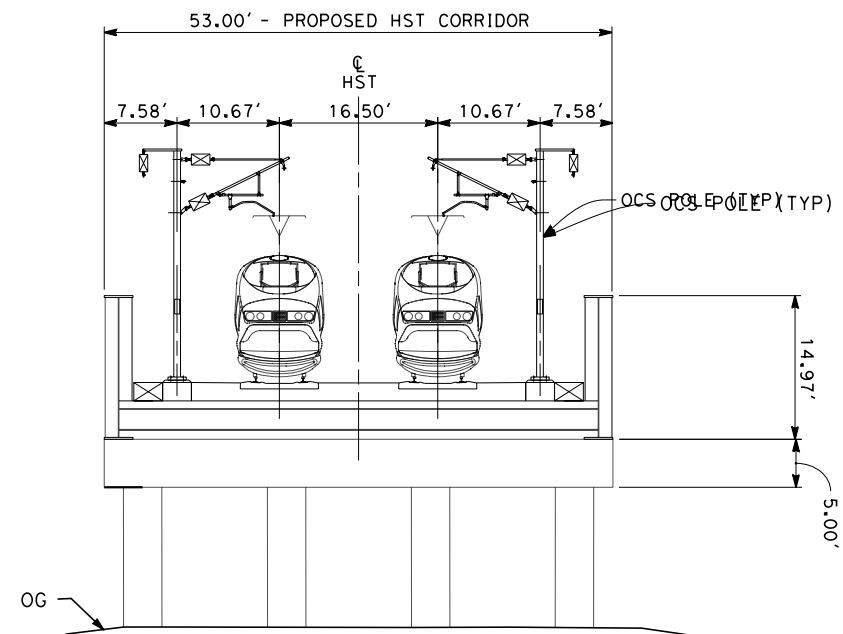
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



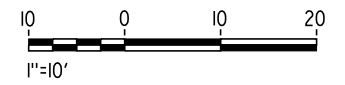
SECTION 3

TWIN TRACK - AERIAL STRUCTURE
STA 2442+00 THROUGH 2529+00
STA 2968+40 THROUGH 2998+80
STA 3022+80 THROUGH 3048+80



SECTION 4

TWIN TRACKS OVER UNDERCROSSING
STA 2237+52 THROUGH 2240+56 (STATE ROUTE 43)
STA 2812+84 THROUGH 2814+05 (STATE ROUTE 137)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

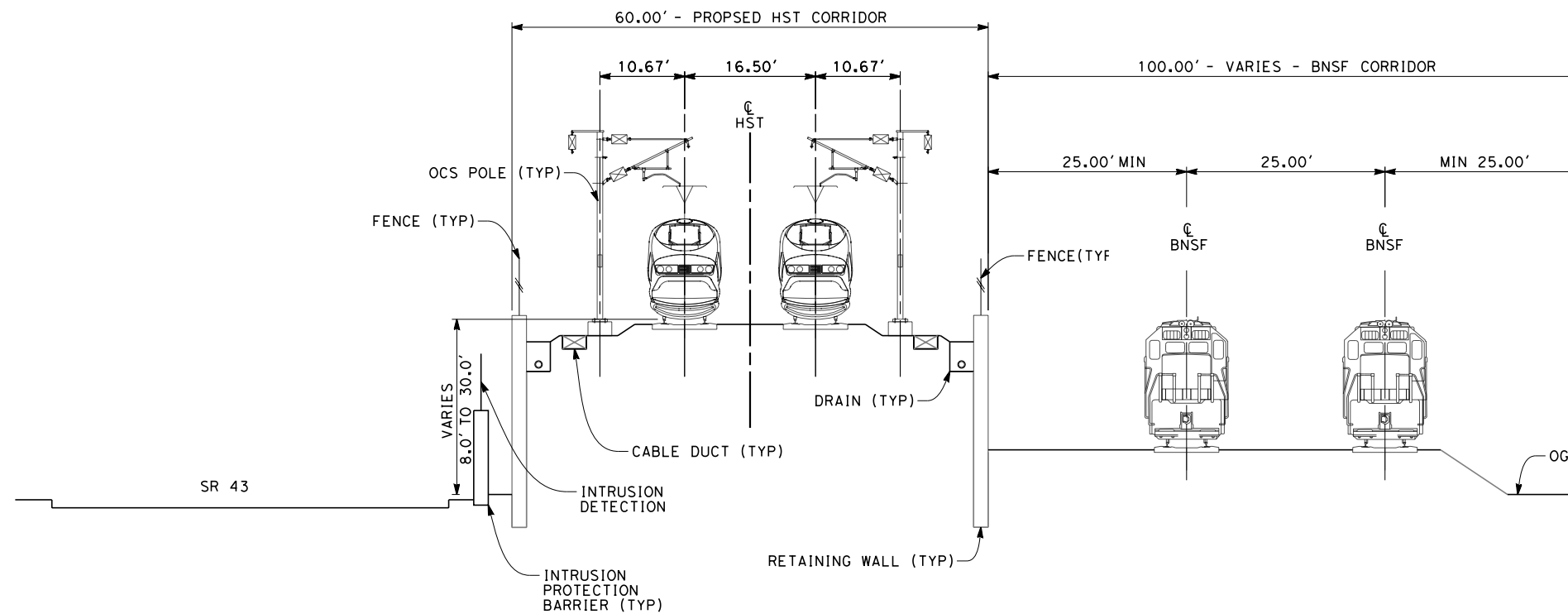
**NOT FOR
CONSTRUCTION**



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

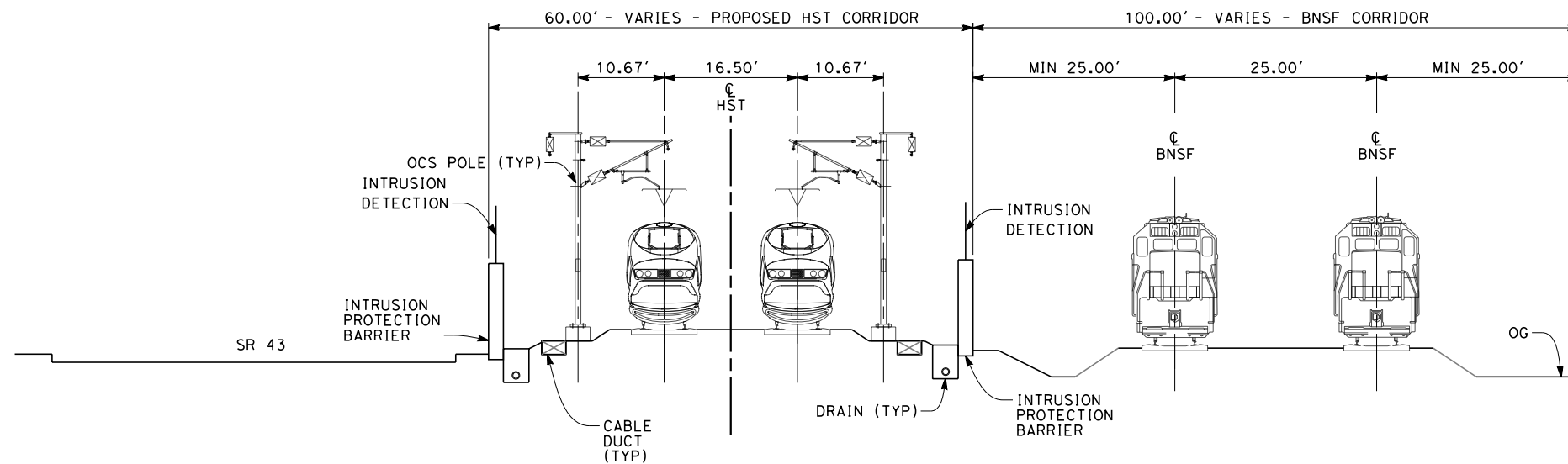
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3256
SCALE AS SHOWN
SHEET NO. 22 OF 27

frank.palermo 7/25/2011 9:58:32 AM 0:\131577\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design Sheets\Rail\HSR 15% Design\Cross Sections\C2\FB-CB-3257-C2.dgn



SECTION 5

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT
STA 2529+00 THROUGH STA 2538+00



SECTION 6

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 2538+00 THROUGH STA 2620+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.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



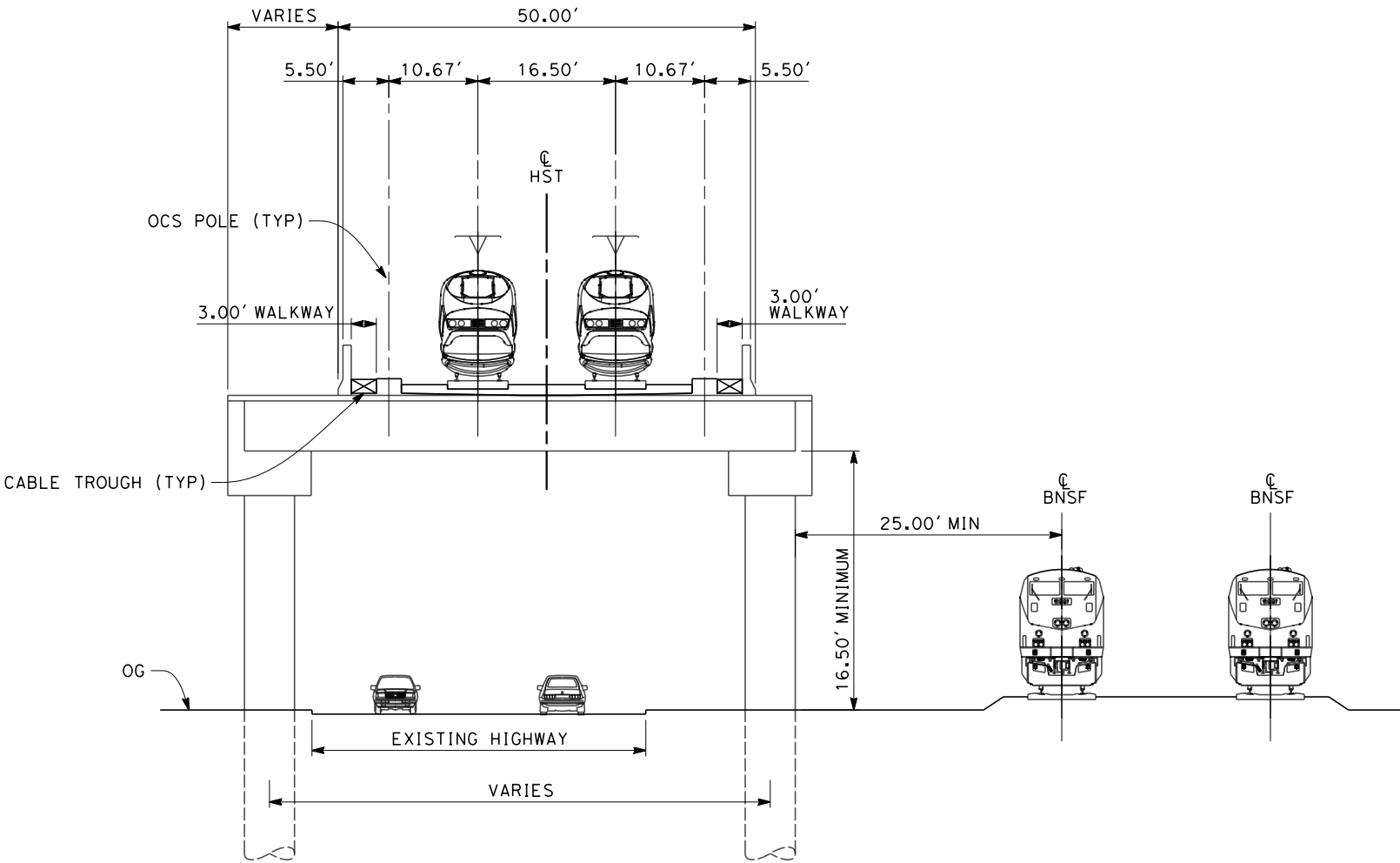
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3257
SCALE AS SHOWN
SHEET NO. 23 OF 27

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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 7

TWIN TRACKS - ELEVATED SLAB OVER HIGHWAY
STA 2998+80 THROUGH STA 3006+40



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



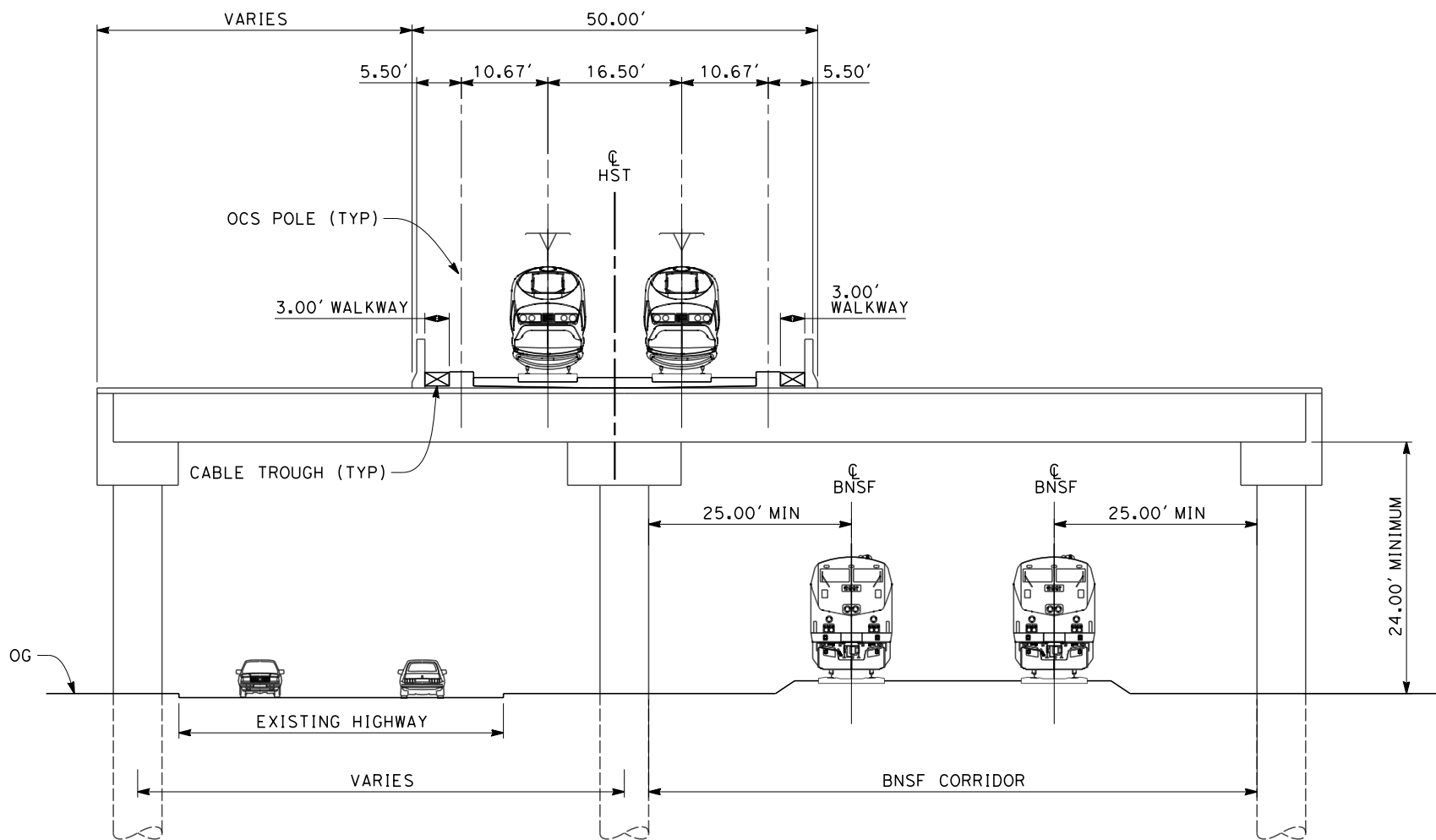
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**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. 24 OF 27

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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 HIGHWAY AND BNSF
STA 3006+40 THROUGH STA 3010+90



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

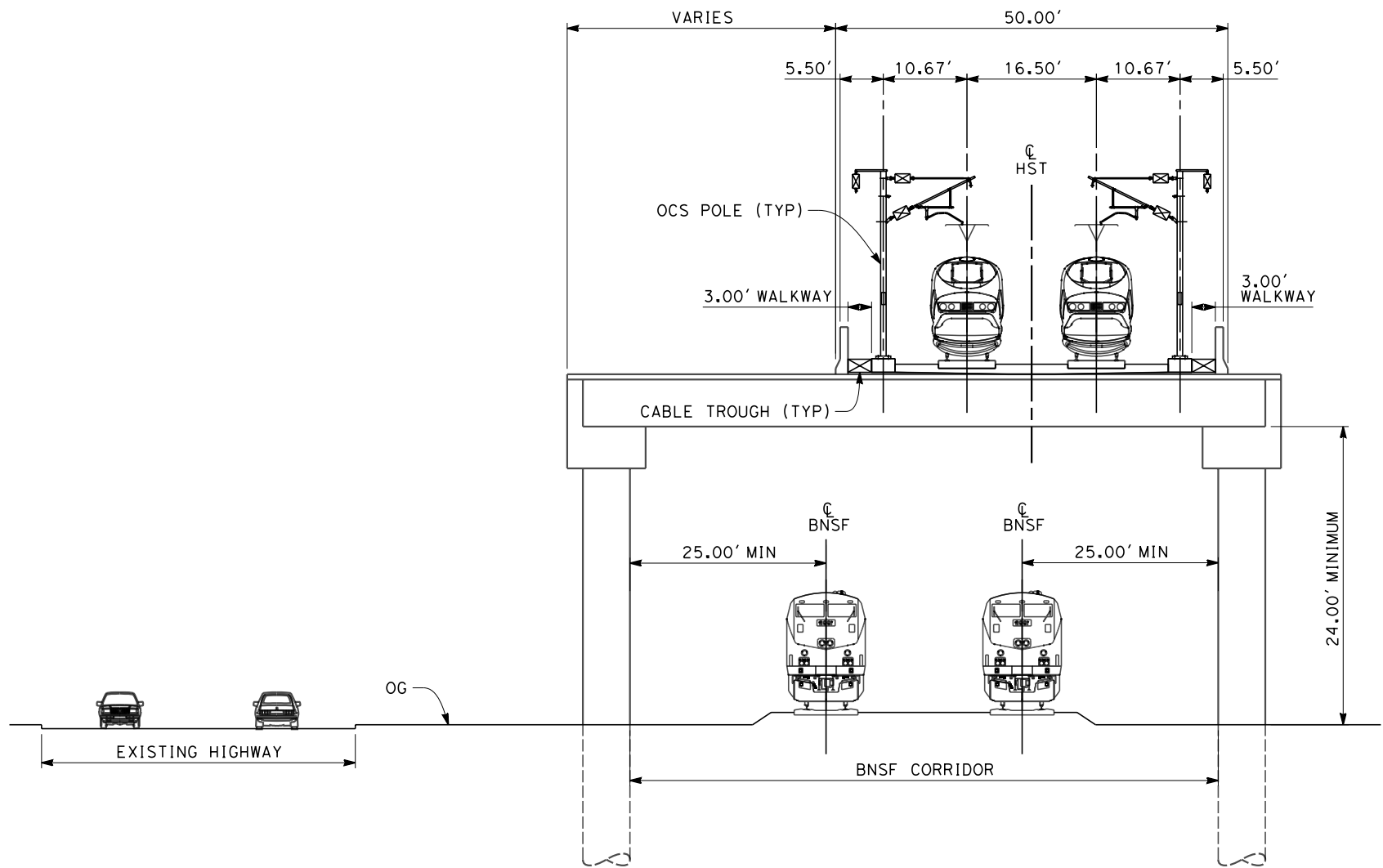


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3259
SCALE AS SHOWN
SHEET NO. 25 OF 27

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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 9

TWIN TRACKS - ELEVATED SLAB OVER BNSF
STA 3010+90 THROUGH STA 3022+80



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY J. REILLY
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

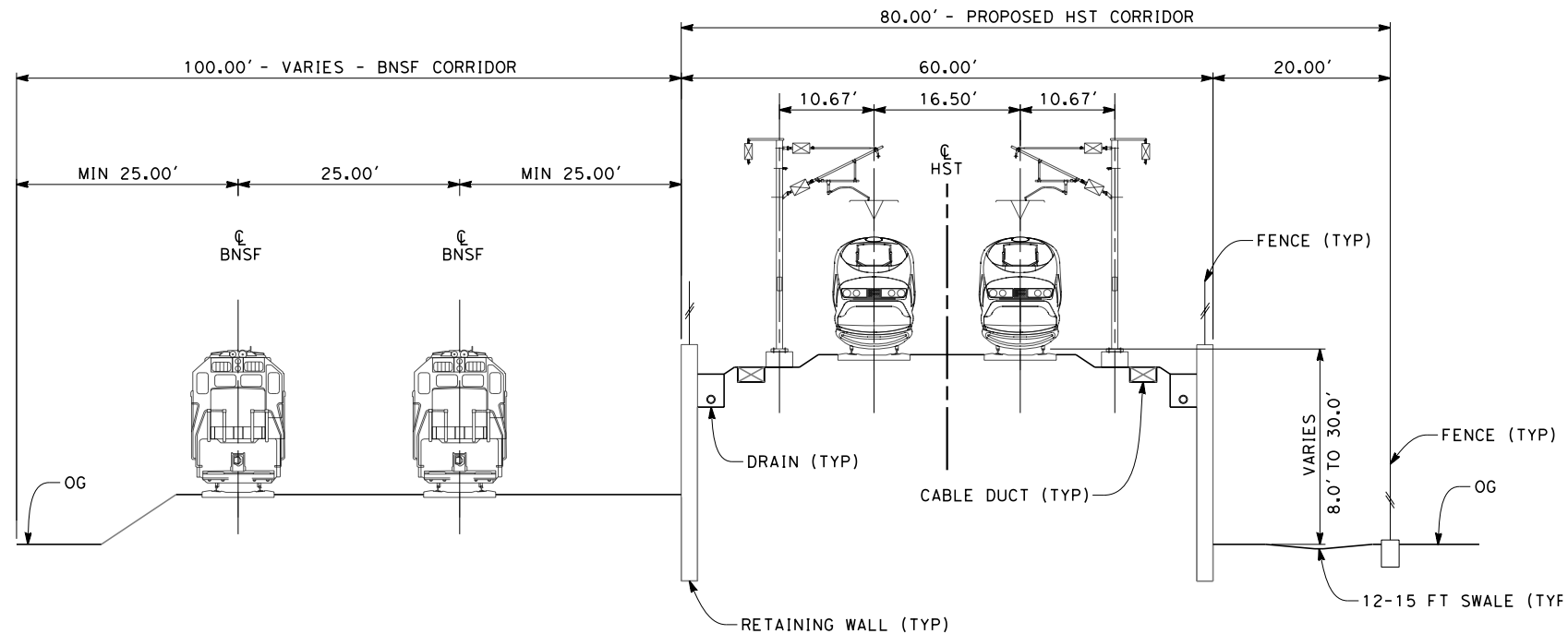
**NOT FOR
CONSTRUCTION**



**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. 26 OF 27

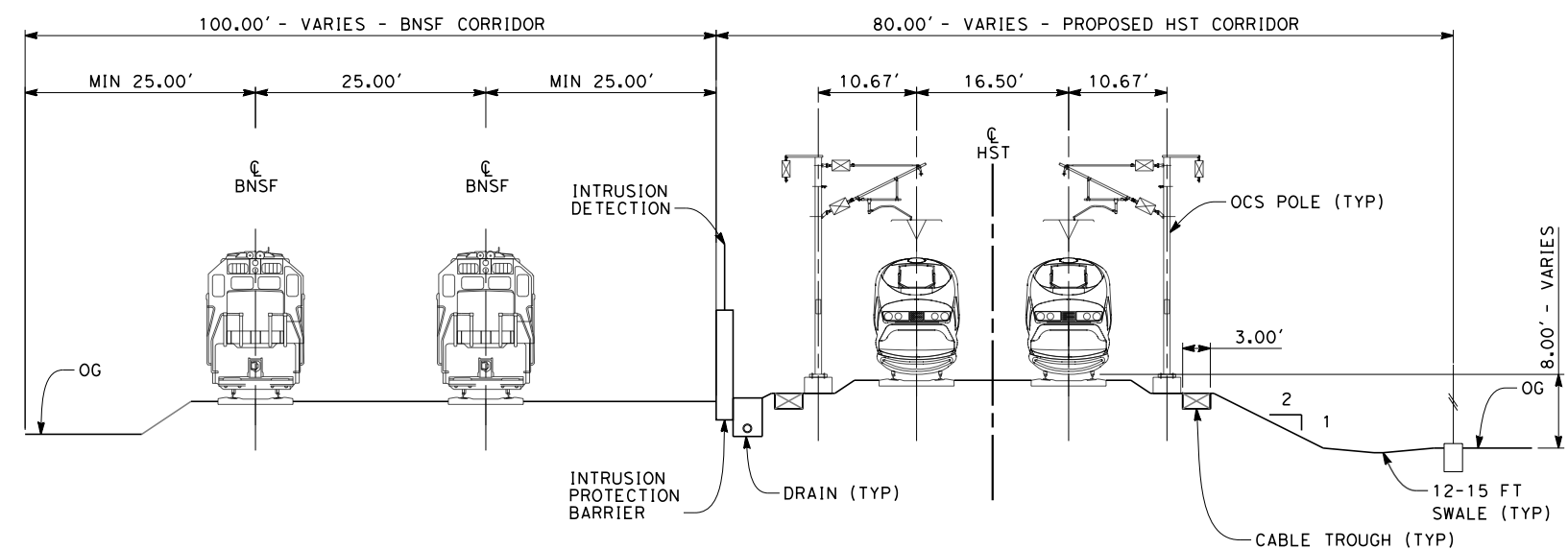
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.

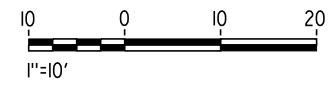
SECTION 10

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT
STA 3048+80 THROUGH STA 3065+00



SECTION 11

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 3065+00 THROUGH STA 3096+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. MEJIA
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
05/13/11

**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.
27 OF 27

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LEGEND

— EXISTING FREIGHT RAILROAD

— PROPOSED CHST

3000 0 3000 6000

1"=3000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM

DRAWN BY
J. REILLY

CHECKED BY
D. HUNT

IN CHARGE
A. LUFT

DATE
5/13/2011

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



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

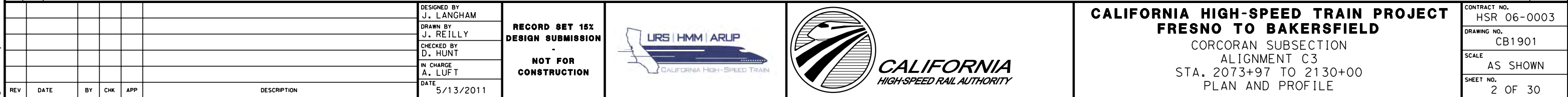
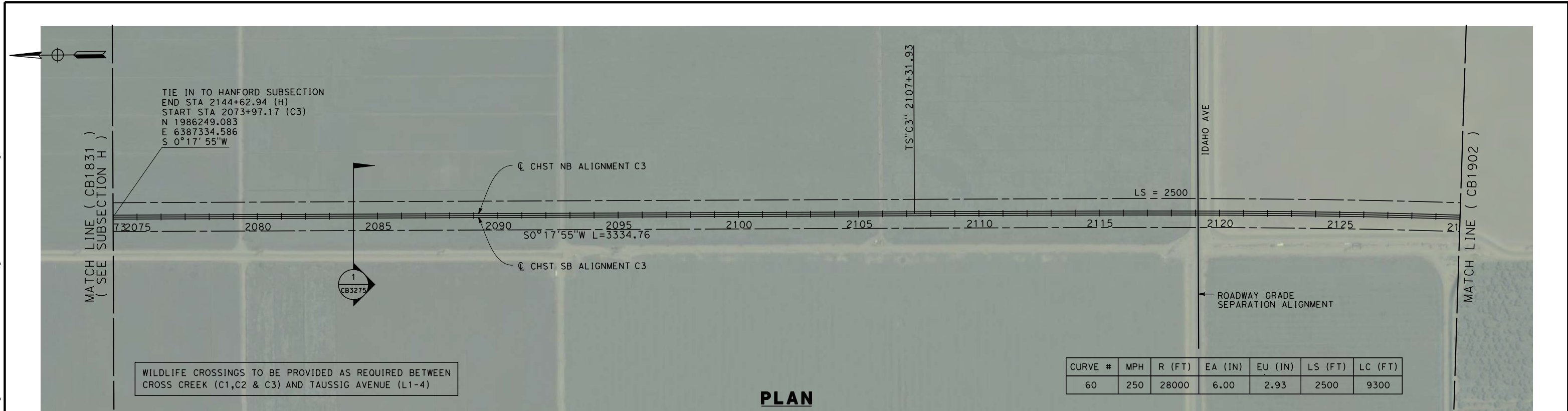
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2073+97 TO 3096+00
KEY MAP

CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1900

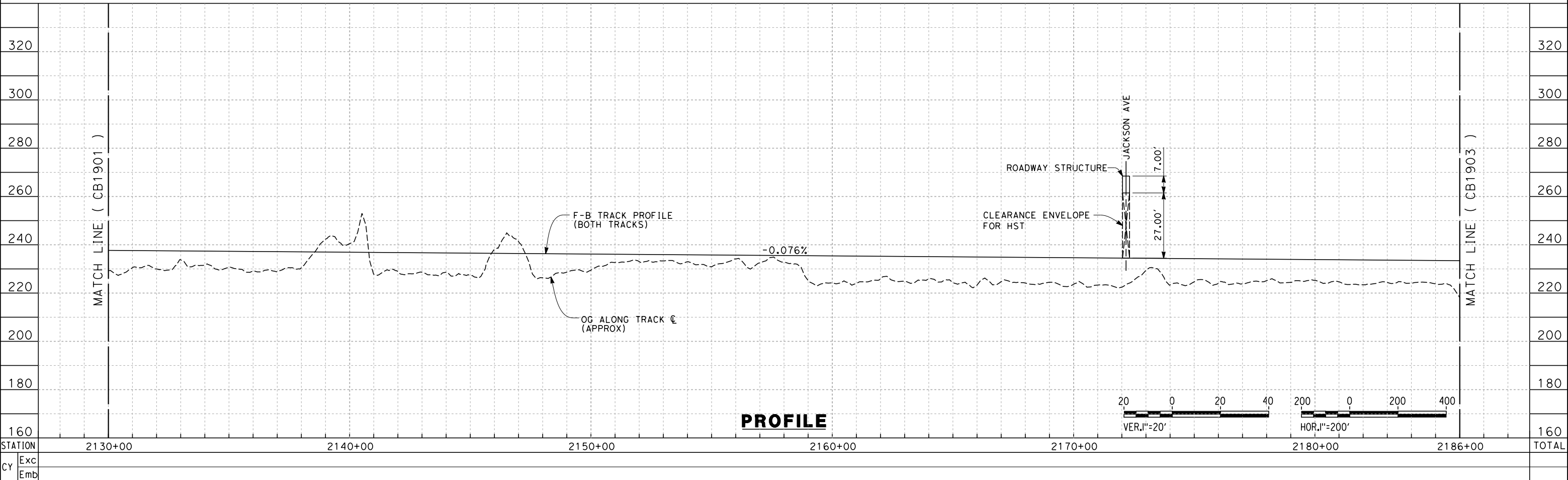
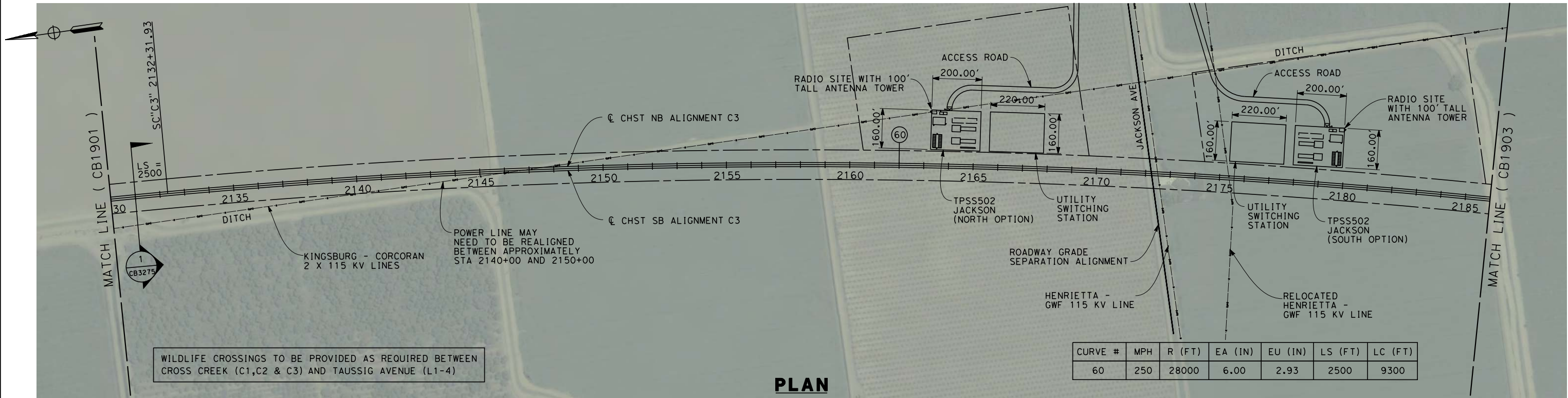
SCALE
AS SHOWN

SHEET NO.
1 OF 30



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

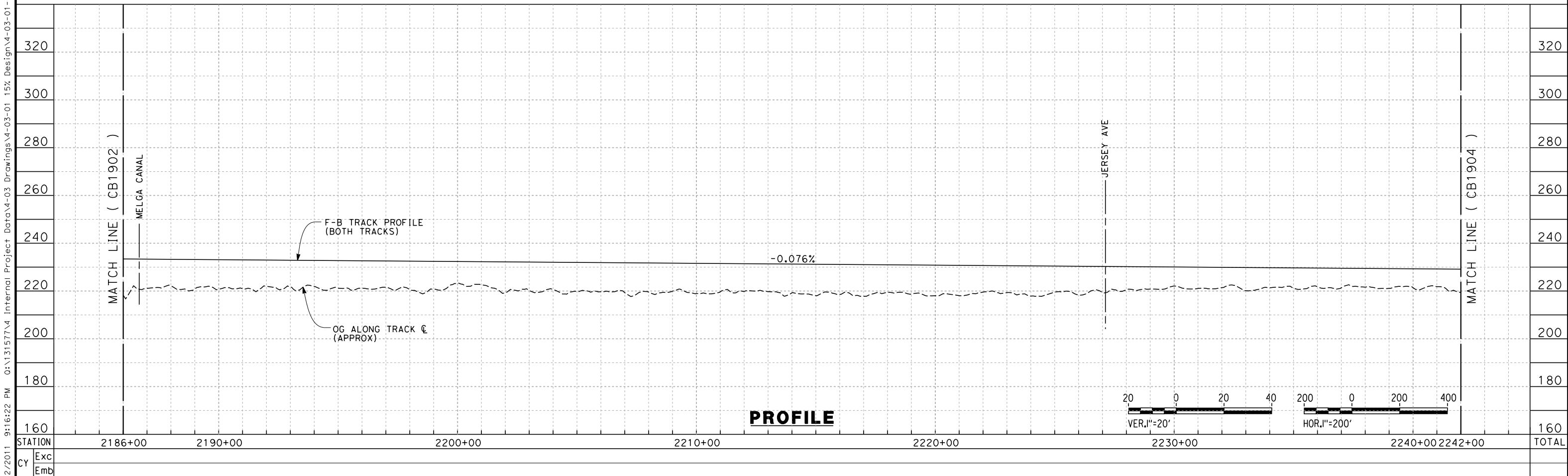
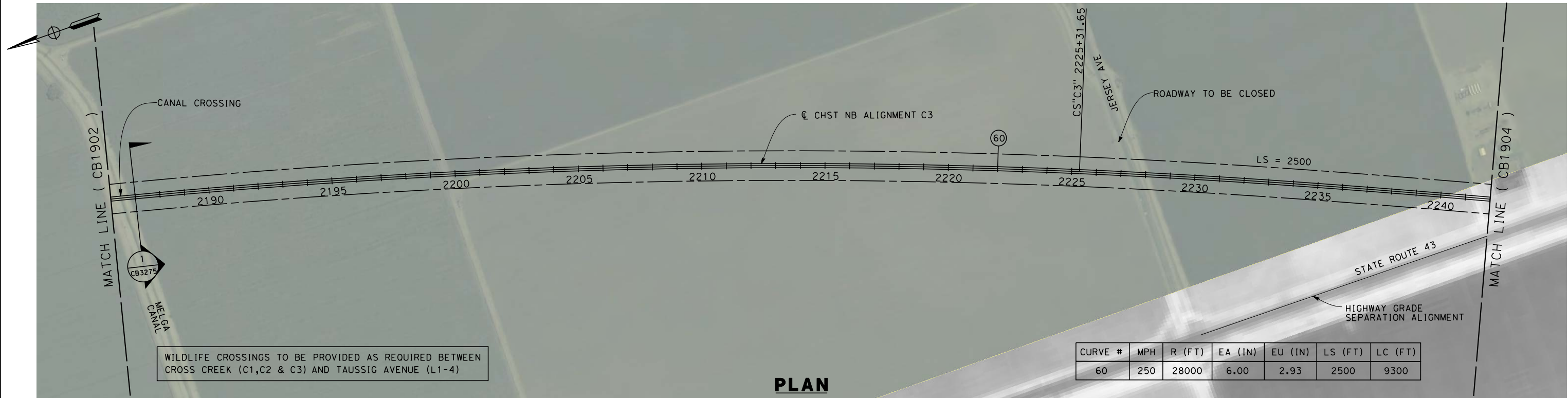


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2130+00 TO 2186+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1902
SCALE
AS SHOWN
SHEET NO.
3 OF 30

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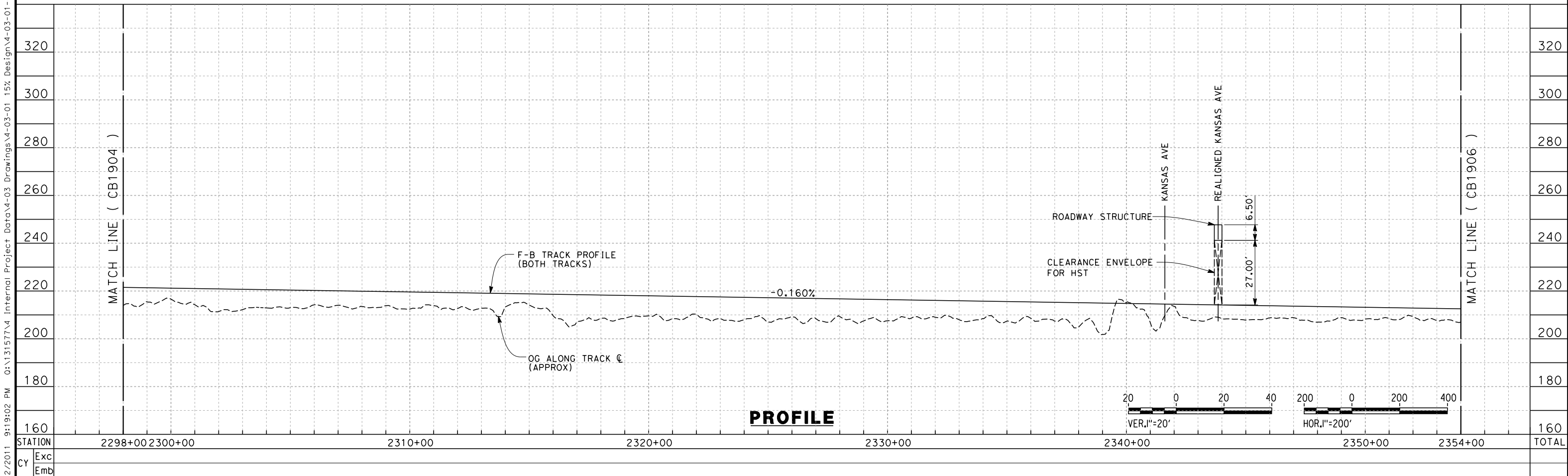
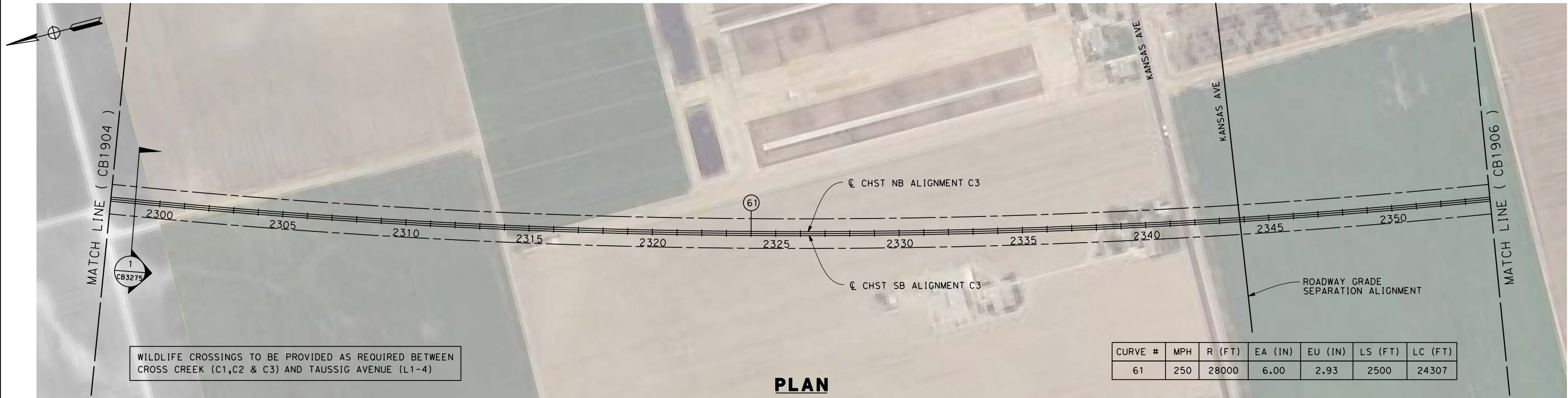
REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. LANGHAM	RECORD SET 15% DESIGN SUBMISSION		
DRAWN BY J. REILLY			
CHECKED BY D. HUNT			
IN CHARGE A. LUFT			
DATE 5/13/2011			

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD		CONTRACT NO. HSR 06-0003
CORCORAN SUBSECTION ALIGNMENT C3		DRAWING NO. CB1903
STA. 2186+00 TO 2242+00		SCALE AS SHOWN
PLAN AND PROFILE		SHEET NO. 4 OF 30

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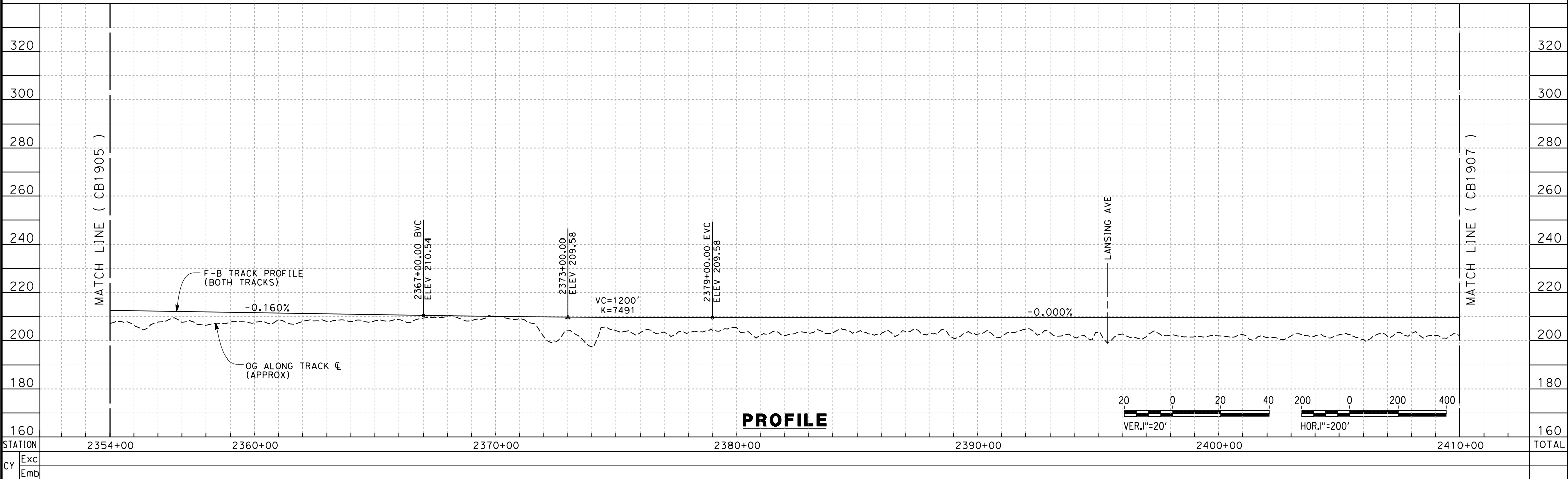
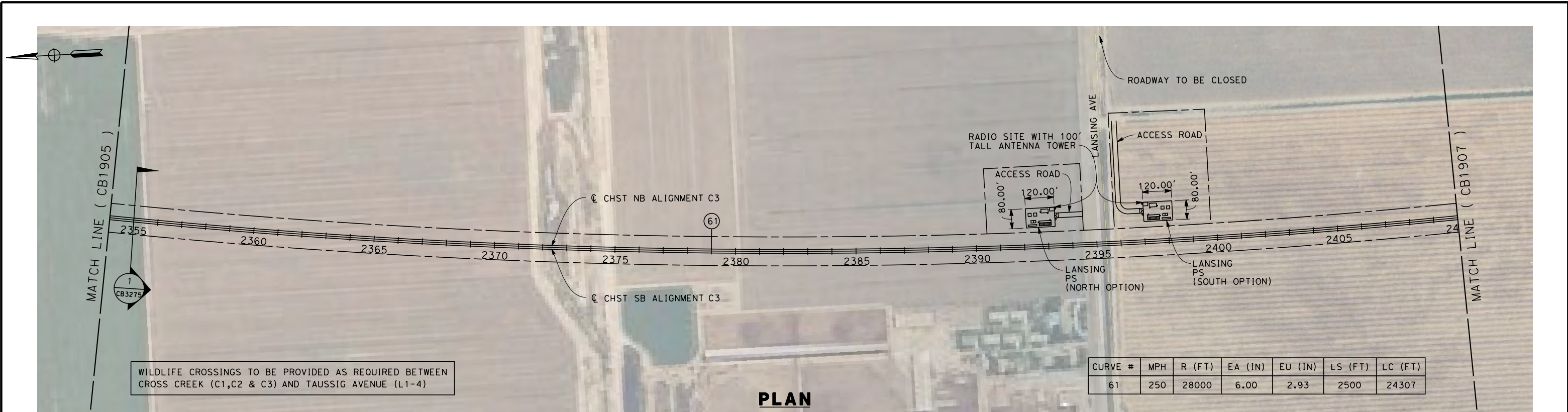
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DESIGNED BY J. LANGHAM DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 5/13/2011					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C3 STA. 2298+00 TO 2354+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1905 SCALE AS SHOWN SHEET NO. 6 OF 30	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

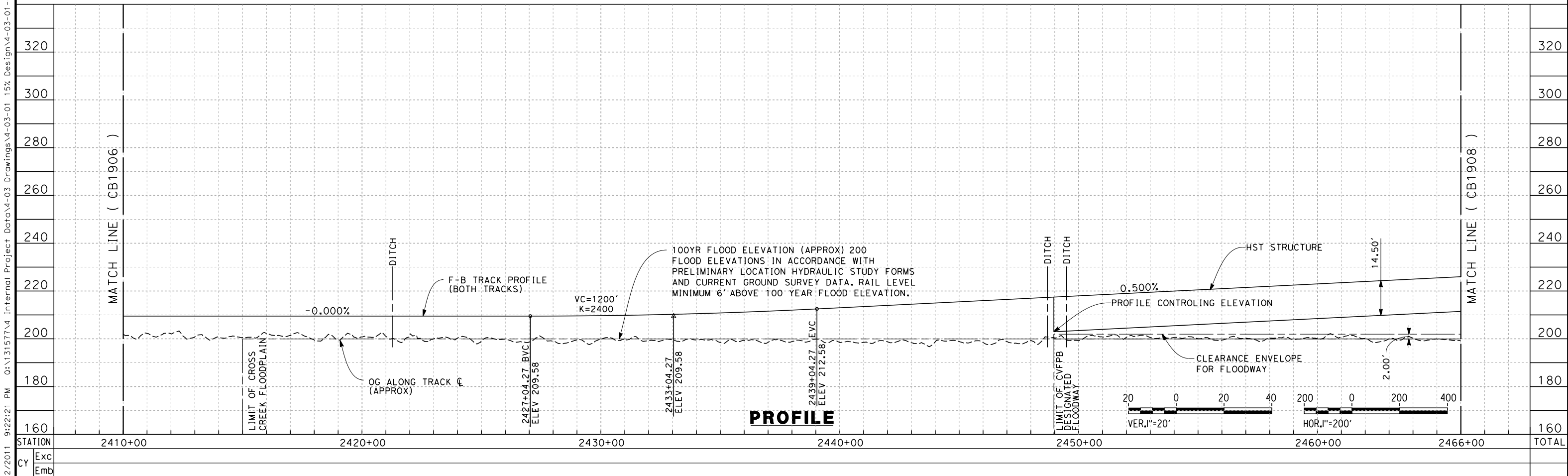
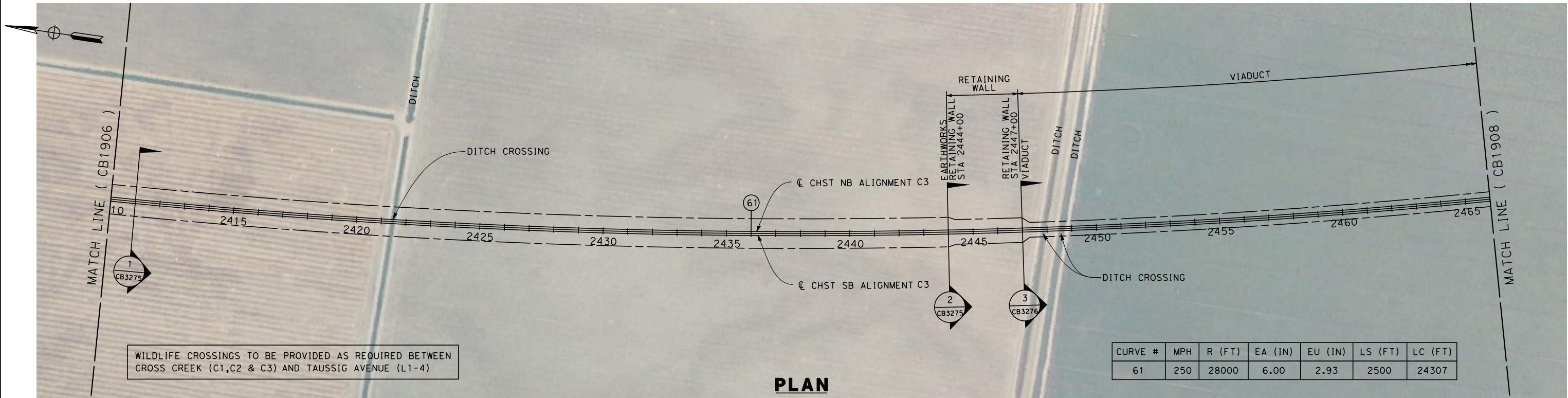


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2354+00 TO 2410+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1906
SCALE
AS SHOWN
SHEET NO.
7 OF 30

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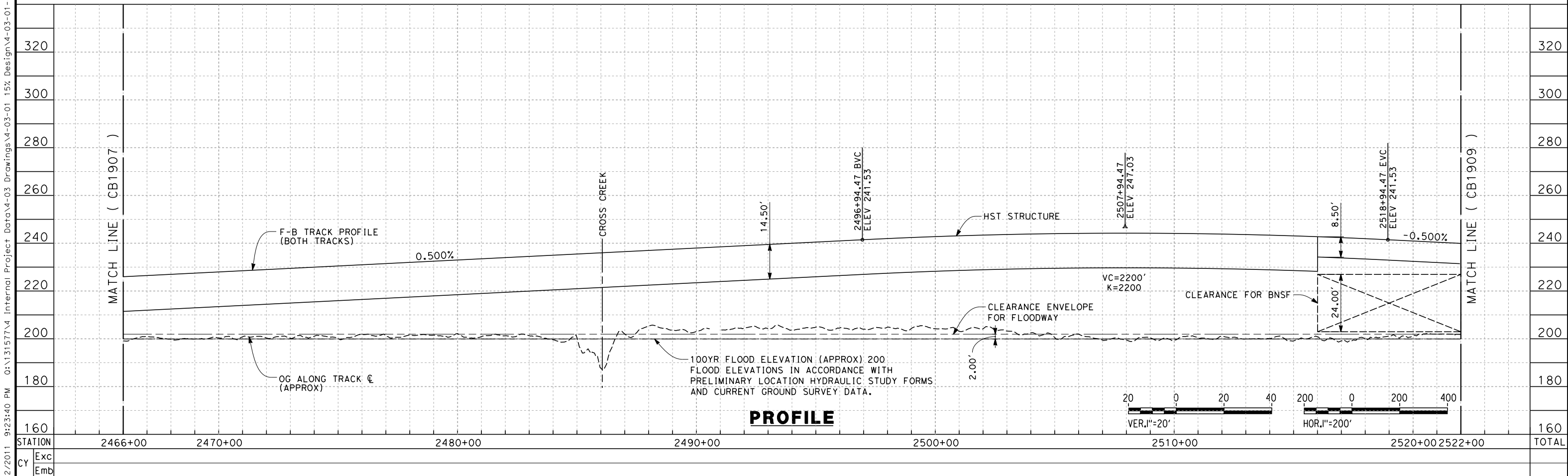
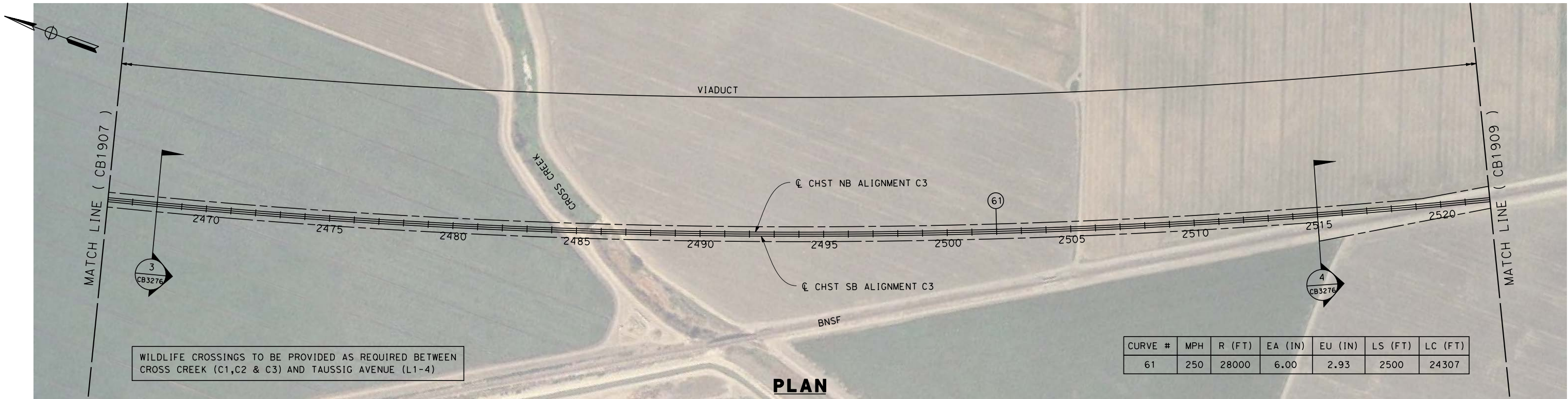
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DESIGNED BY J. LANGHAM DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 5/13/2011					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C3 STA. 2410+00 TO 2466+00 PLAN AND PROFILE		CONTRACT NO. HSR 06-0003 DRAWING NO. CB1907 SCALE AS SHOWN SHEET NO. 8 OF 30	
REV	DATE	BY	CHK	APP	DESCRIPTION									

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DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

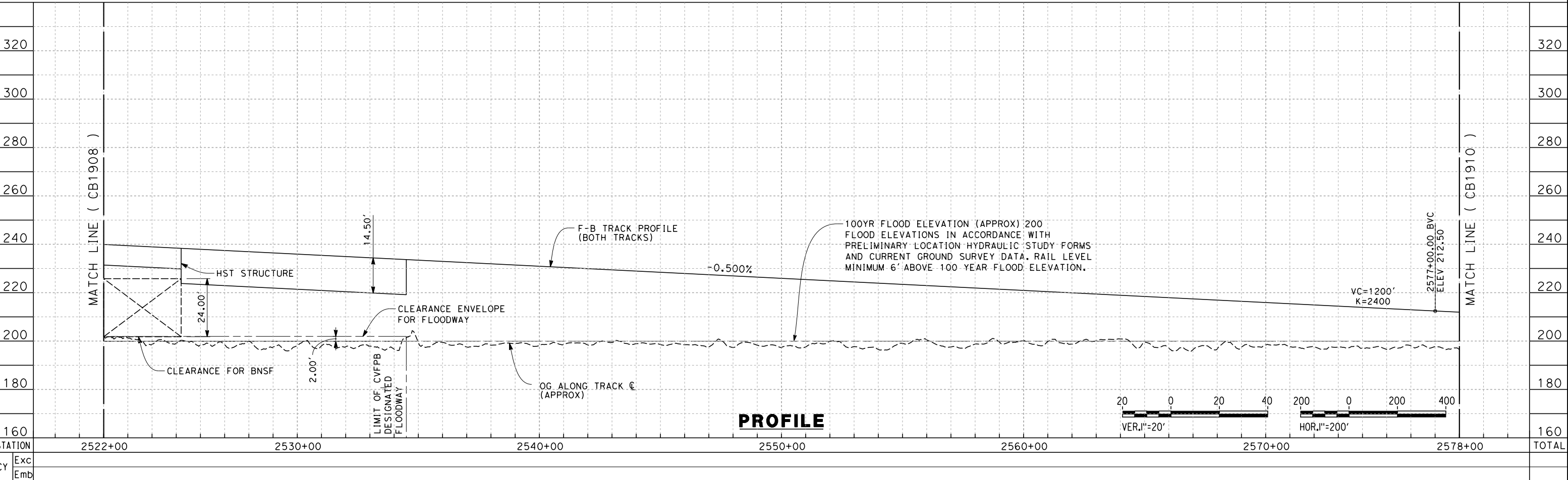
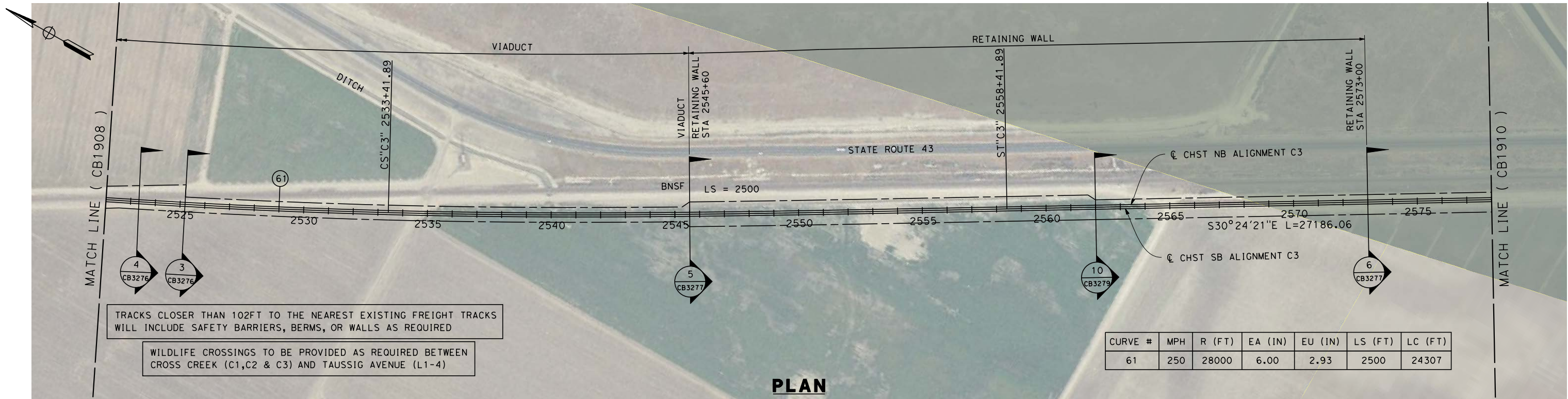


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2466+00 TO 2522+00
PLAN AND PROFILE

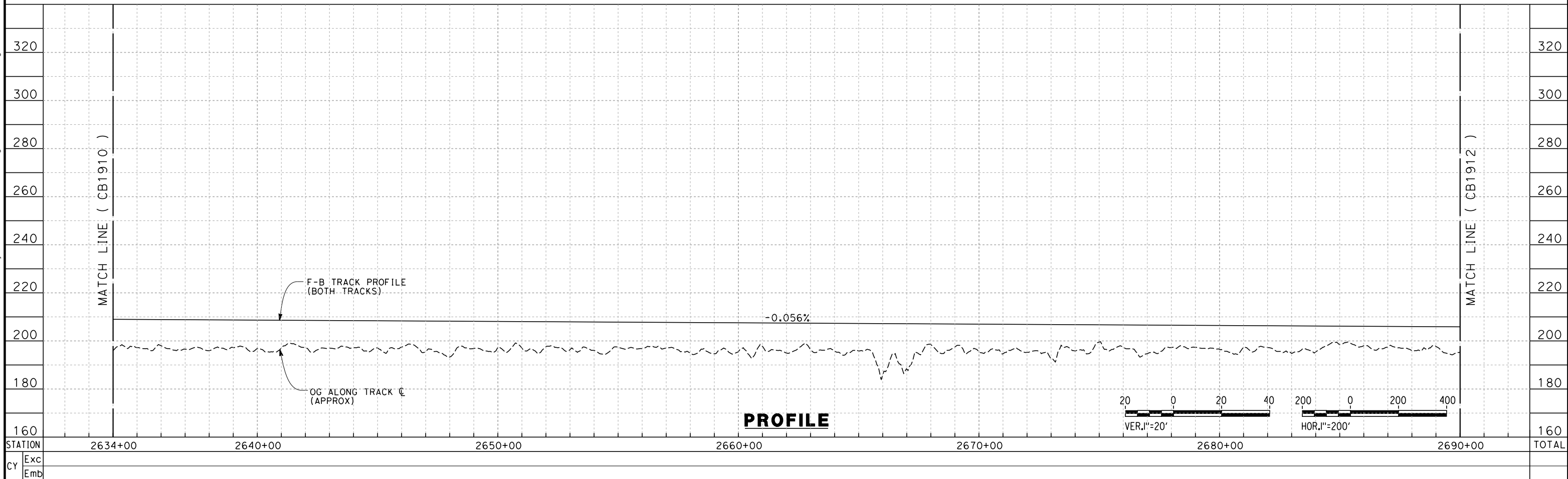
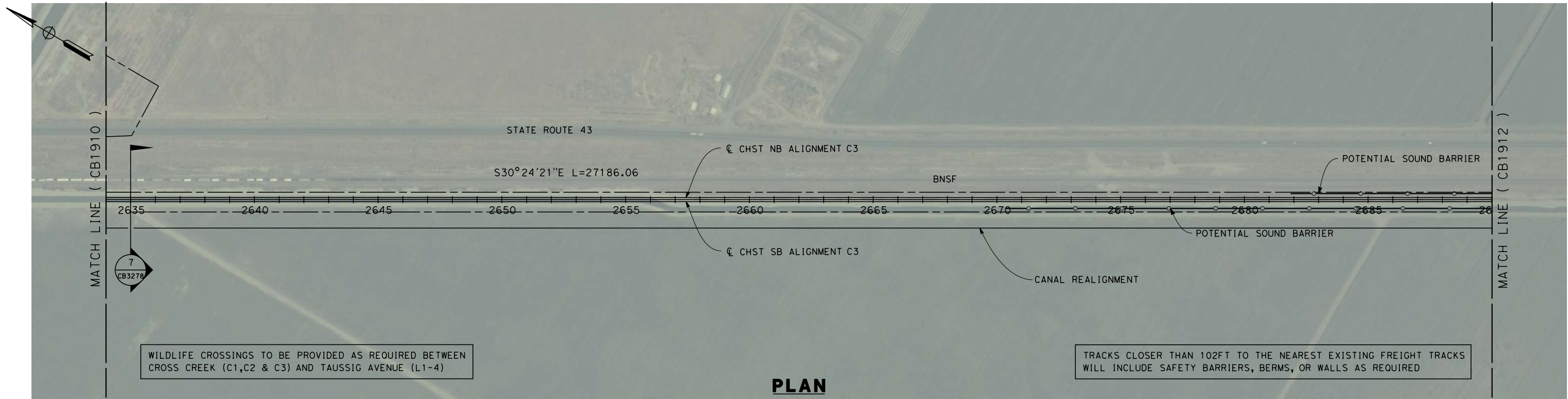
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1908
SCALE
AS SHOWN
SHEET NO.
9 OF 30

frank.palermo 7/18/2011 4:18:32 PM 0:\1315177\4 Internal Project Data\4-03 Drawings\4-03-01 15% Design\4-03-01-05 Design Sheets\Rail\HSR 15% Design\C3\FB-CB-1909-C3.dgn



DESIGNED BY J. LANGHAM DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 5/13/2011					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C3 STA. 2522+00 TO 2578+00 PLAN AND PROFILE			CONTRACT NO. HSR 06-0003 DRAWING NO. CB1909 SCALE AS SHOWN SHEET NO. 10 OF 30	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

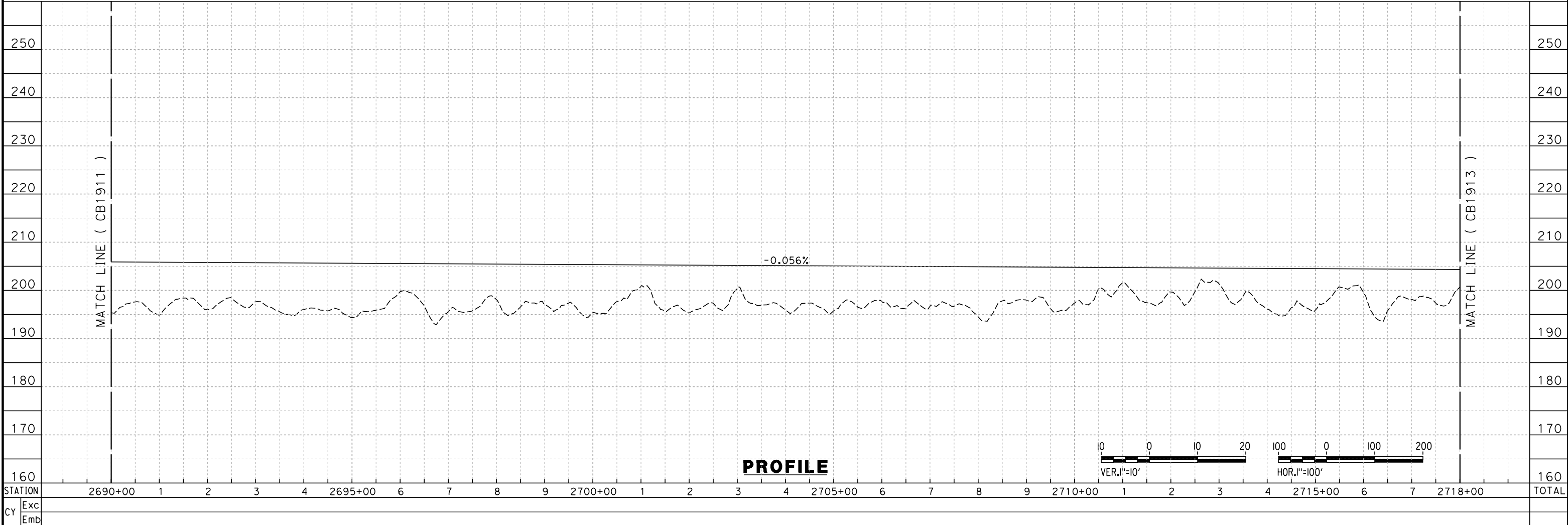
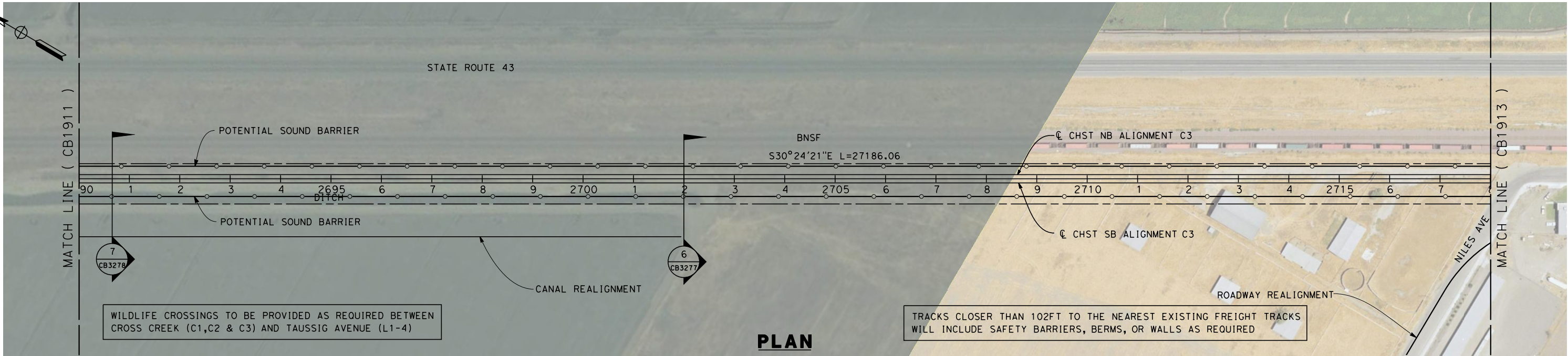


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2634+00 TO 2690+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1911
SCALE
AS SHOWN
SHEET NO.
12 OF 30

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REV	DATE	BY	CHK	APP	DESCRIPTION

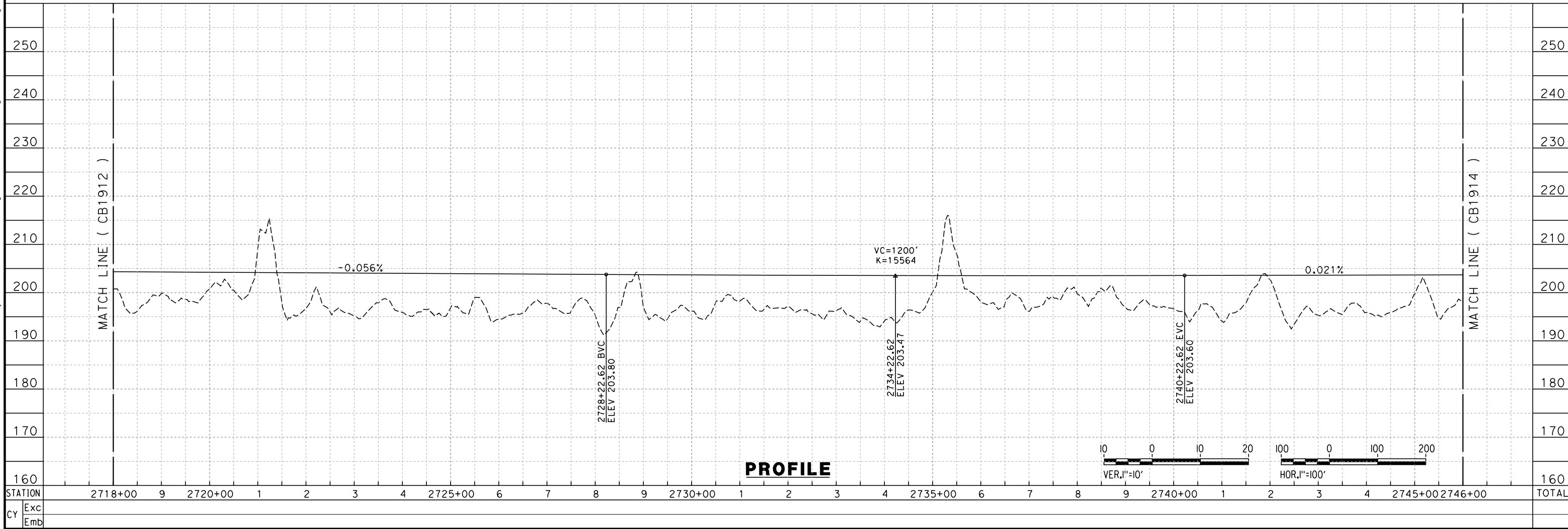
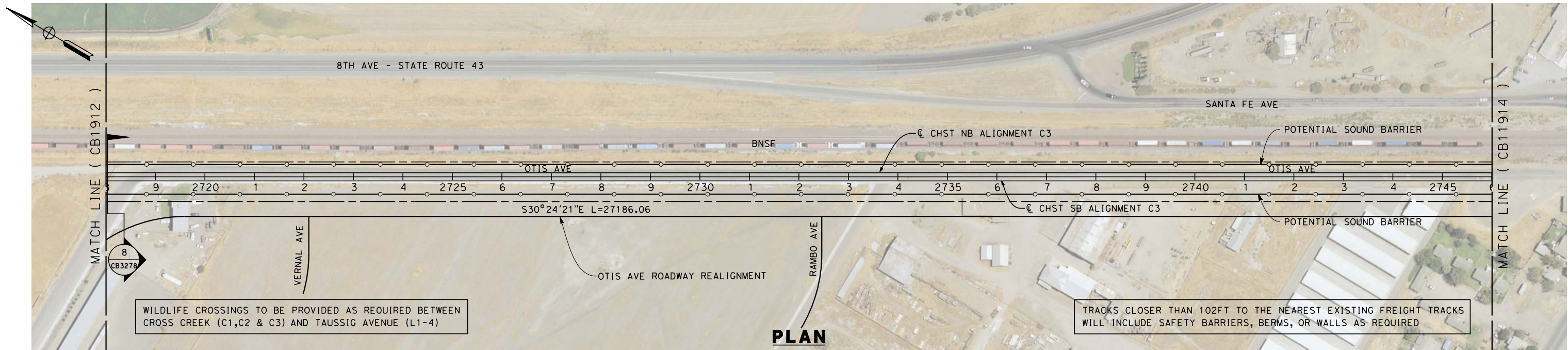
DESIGNED BY J. LANGHAM	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 CALIFORNIA HIGH-SPEED TRAIN
DRAWN BY J. REILLY		
CHECKED BY D. HUNT		
IN CHARGE A. LUFT		
DATE 5/13/2011		

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**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. 13 OF 30

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

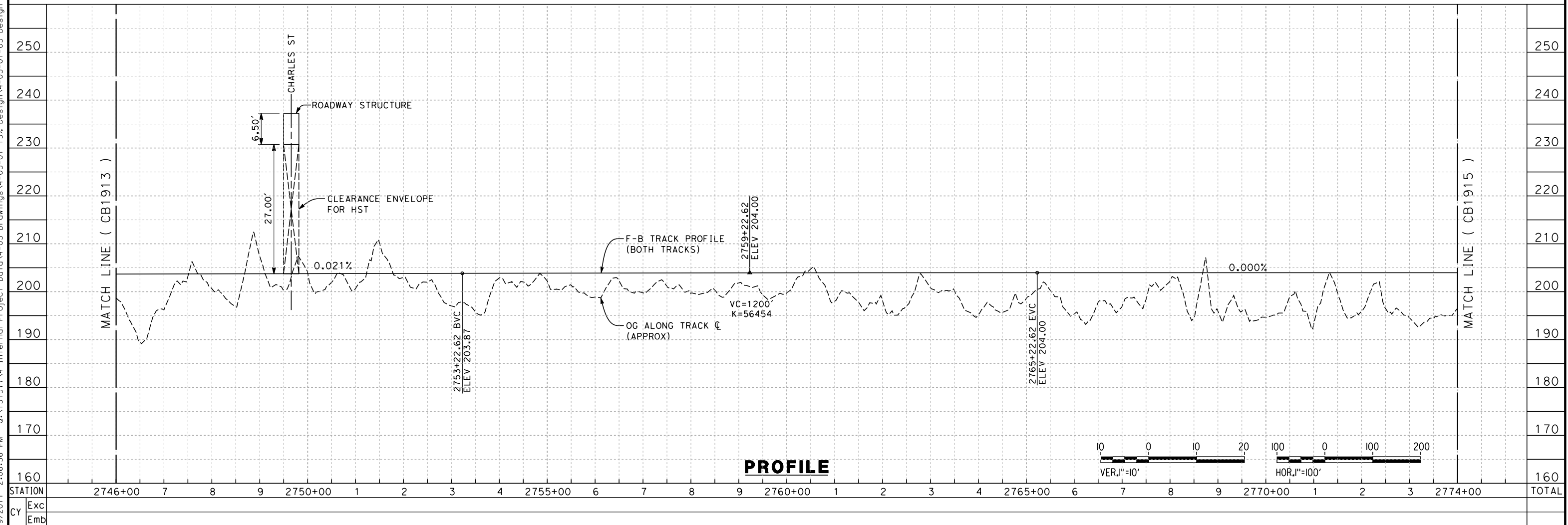
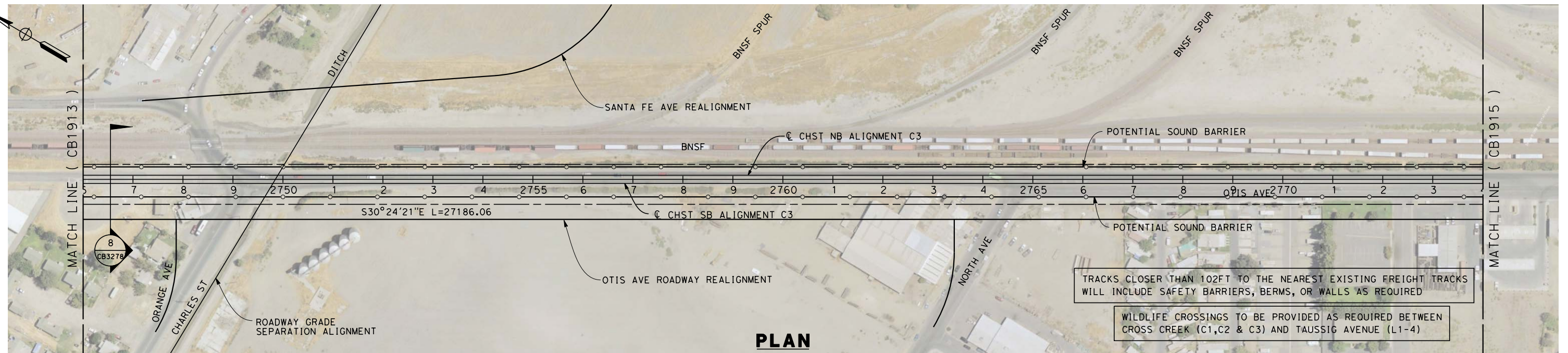
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NOT FOR
CONSTRUCTION



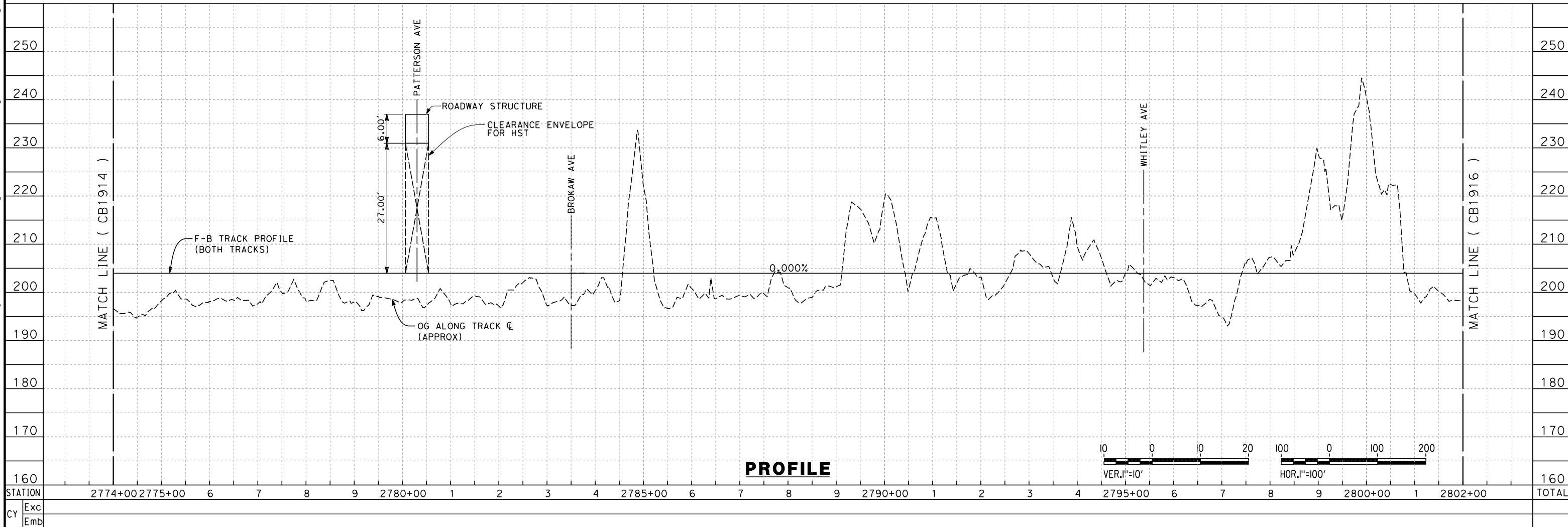
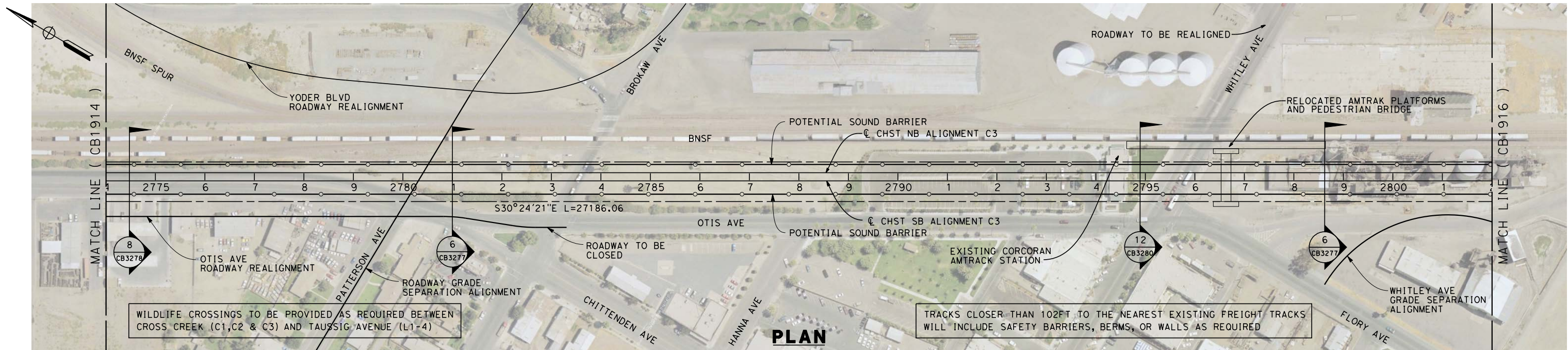
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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
SCALE
AS SHOWN
SHEET NO.
14 OF 30

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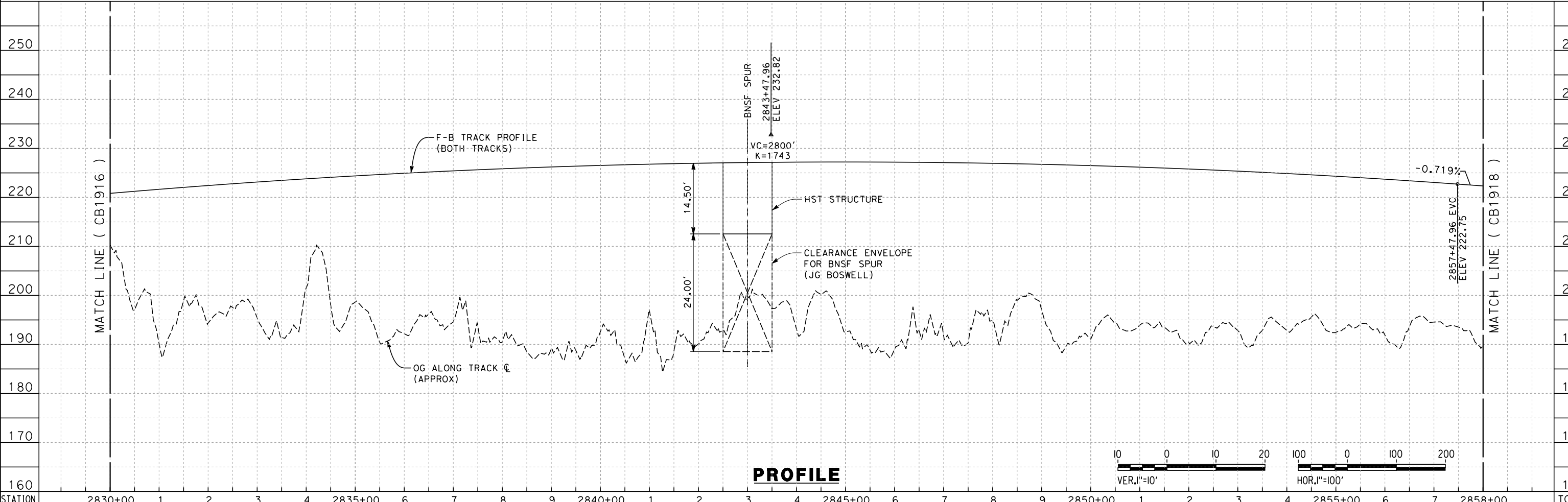
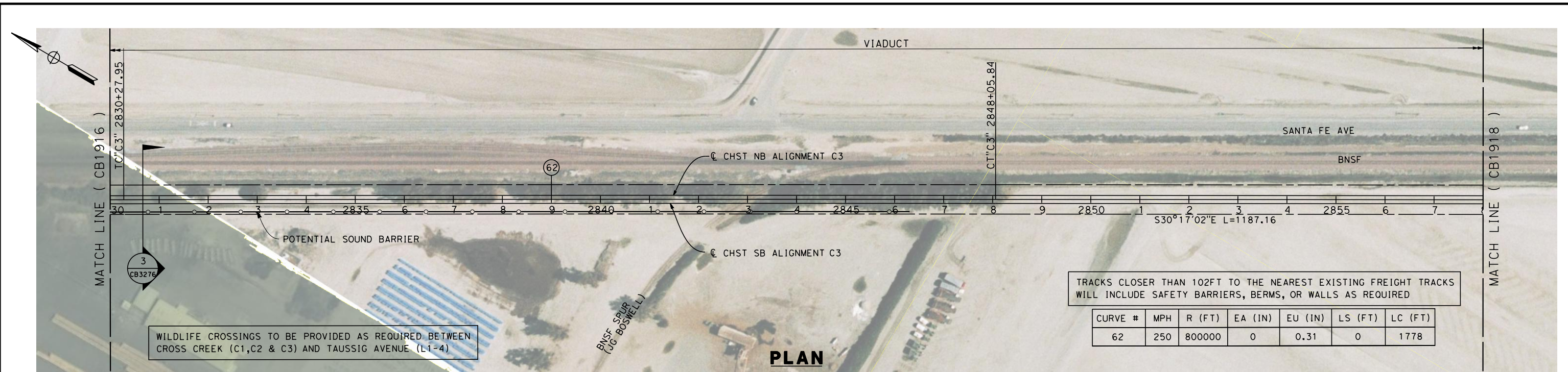
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DESIGNED BY J. LANGHAM	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY J. REILLY	
CHECKED BY D. HUNT	
IN CHARGE A. LUFT	
DATE 5/13/2011	

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

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1915
SCALE AS SHOWN
SHEET NO. 16 OF 30

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Exc																														
Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

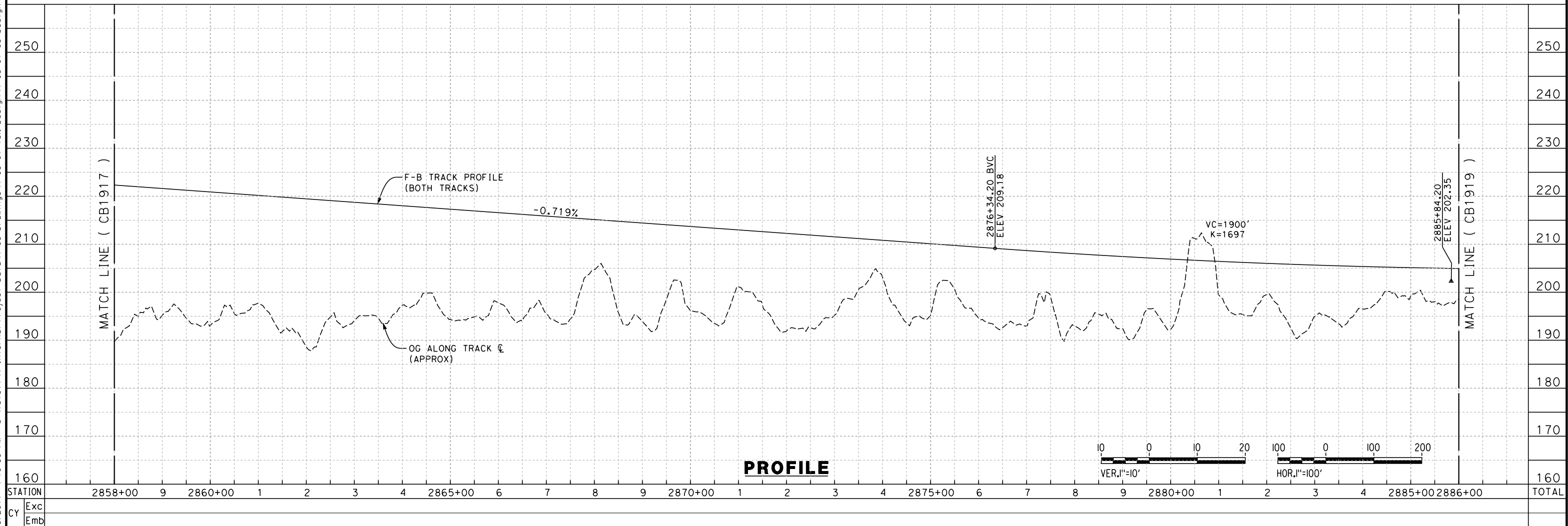
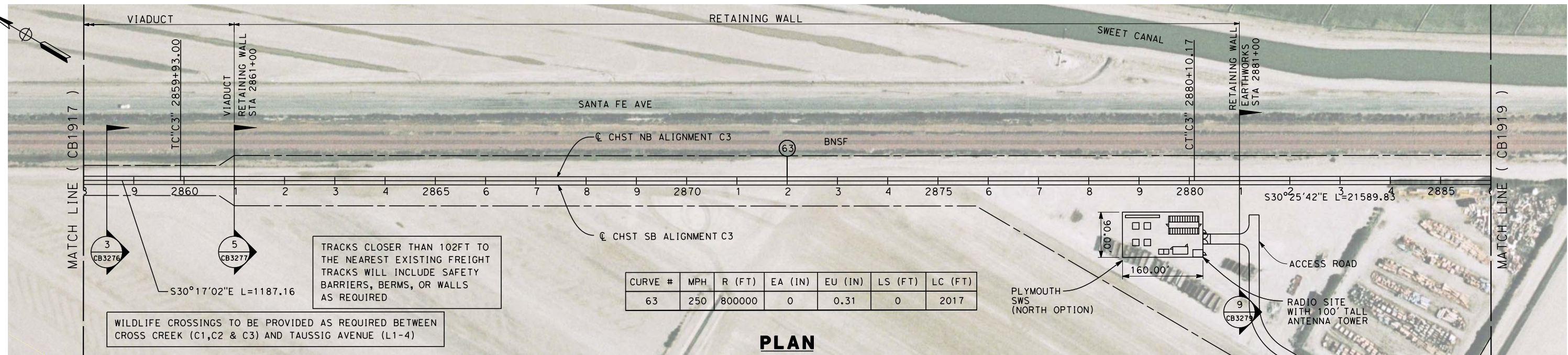
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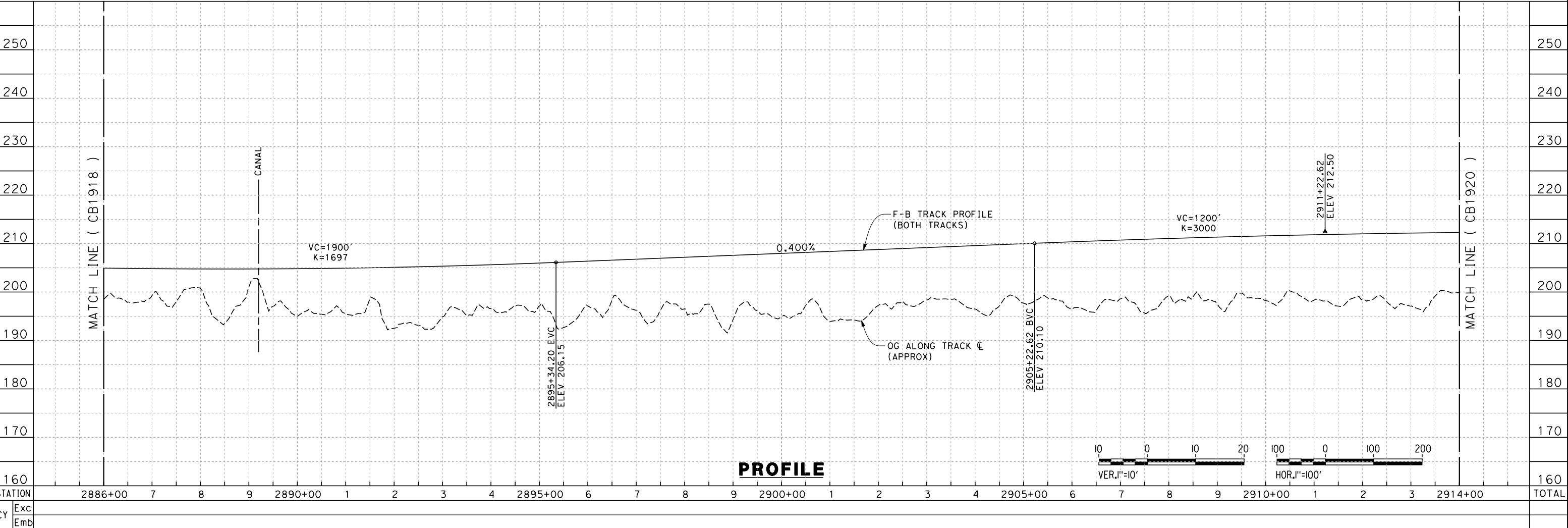
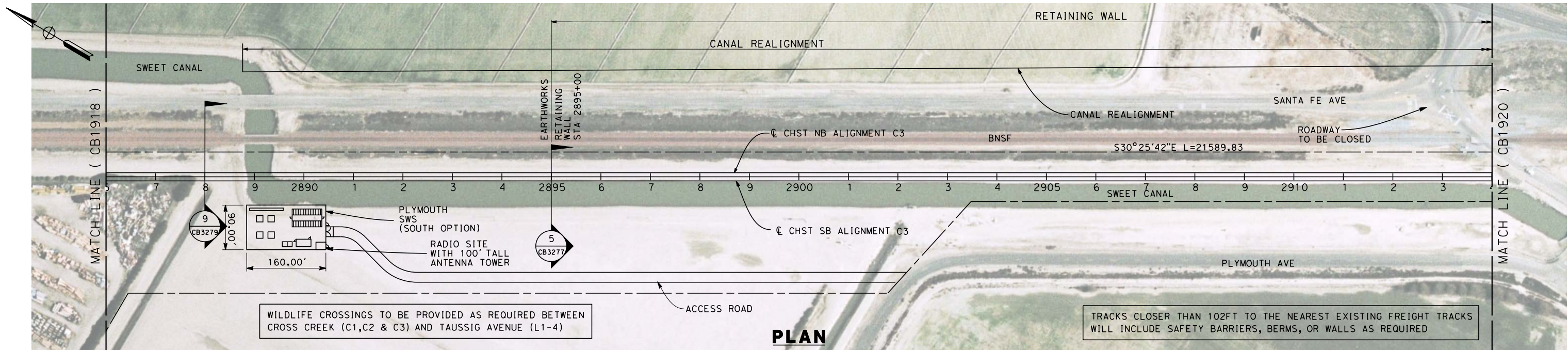
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FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2830+00 TO 2858+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1917
SCALE
AS SHOWN
SHEET NO.
18 OF 30



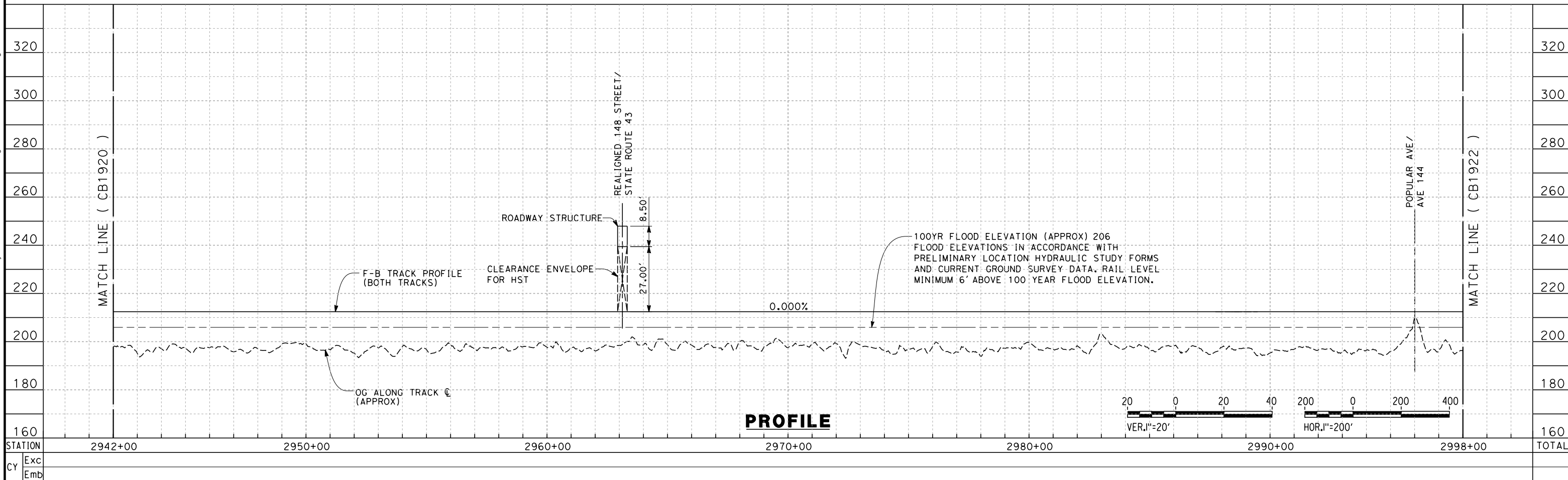
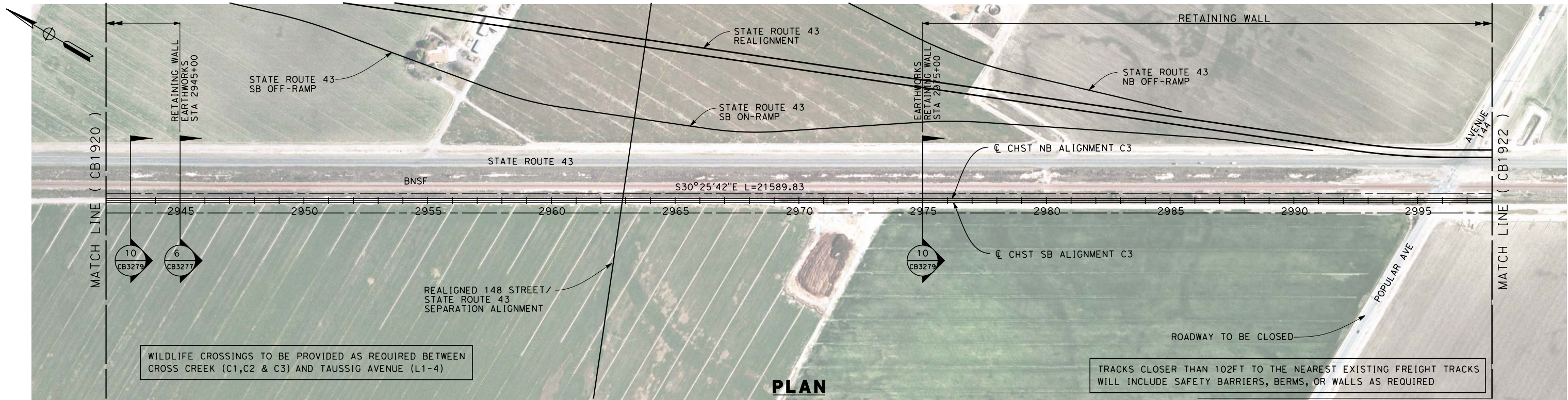
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					DRAWN BY J. REILLY	DRAWING NO. CB1918					
					CHECKED BY D. HUNT	SCALE AS SHOWN					
					IN CHARGE A. LUFT	SHEET NO. 19 OF 30					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 06/30/2011					

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DESIGNED BY J. LANGHAM DRAWN BY J. REILLY CHECKED BY D. HUNT IN CHARGE A. LUFT DATE 06/30/2011					RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN 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. 20 OF 30	
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

RECORD SET 15%
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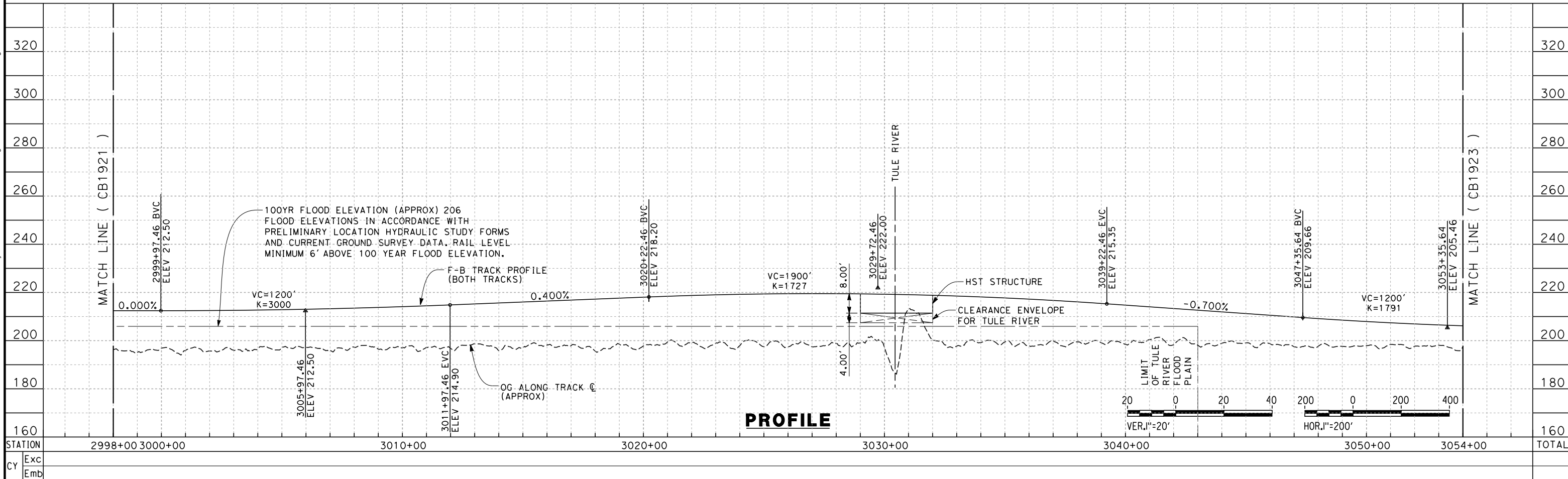
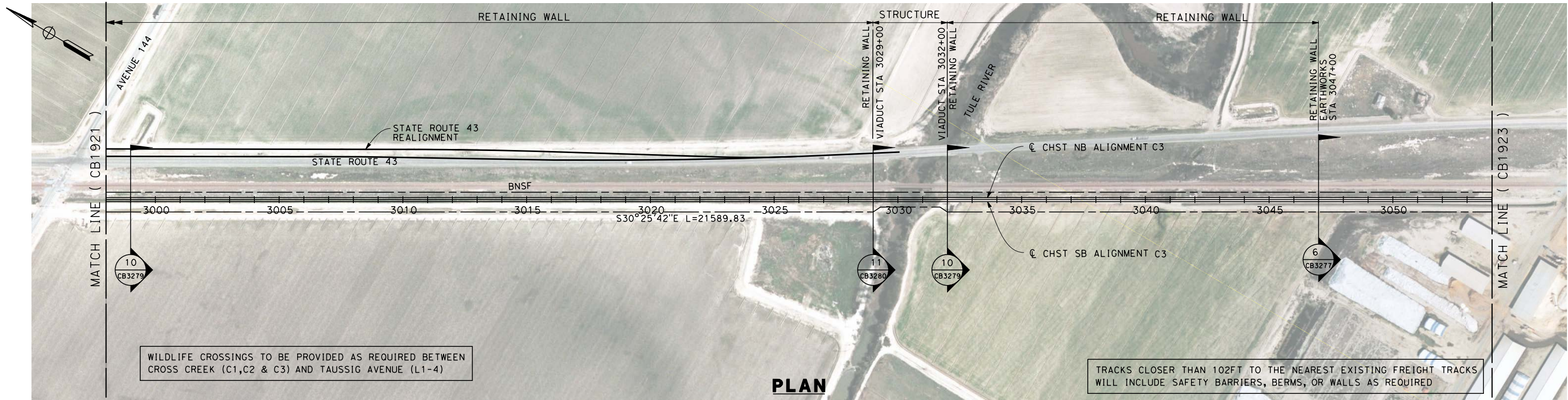
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2942+00 TO 2998+00
PLAN AND PROFILE

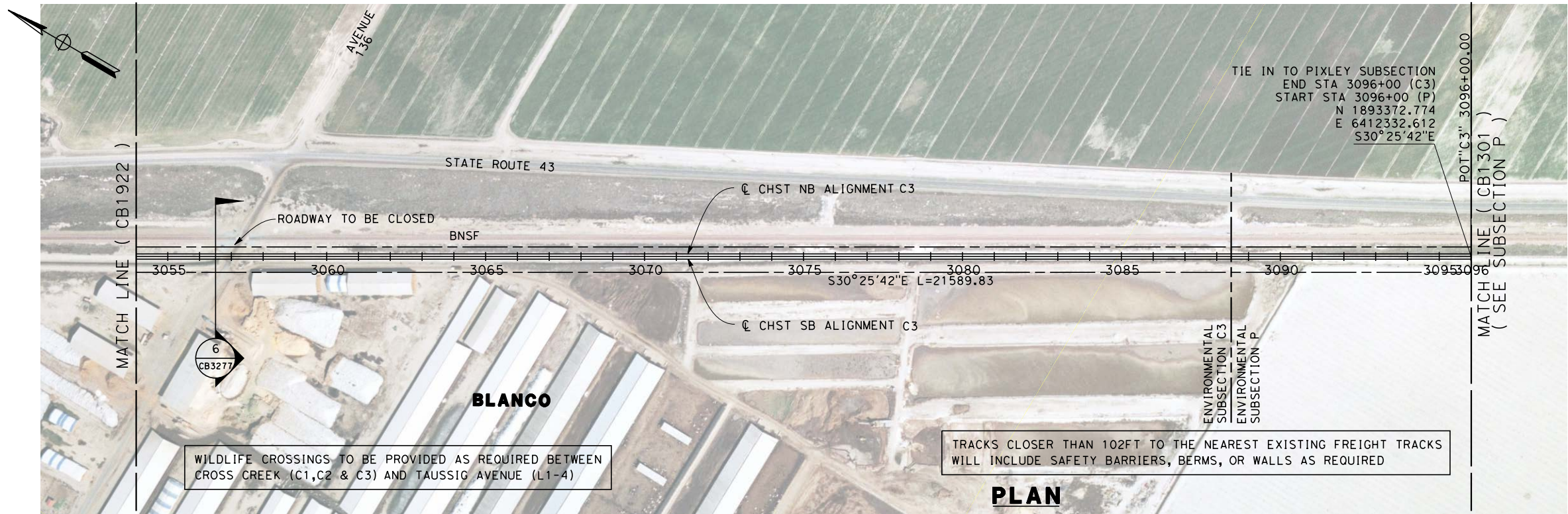
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DRAWING NO.
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AS SHOWN
SHEET NO.
22 OF 30

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. LANGHAM
DRAWN BY
J. REILLY
CHECKED BY
D. HUNT
IN CHARGE
A. LUFT
DATE
5/13/2011

**RECORD SET 15%
DESIGN SUBMISSION**

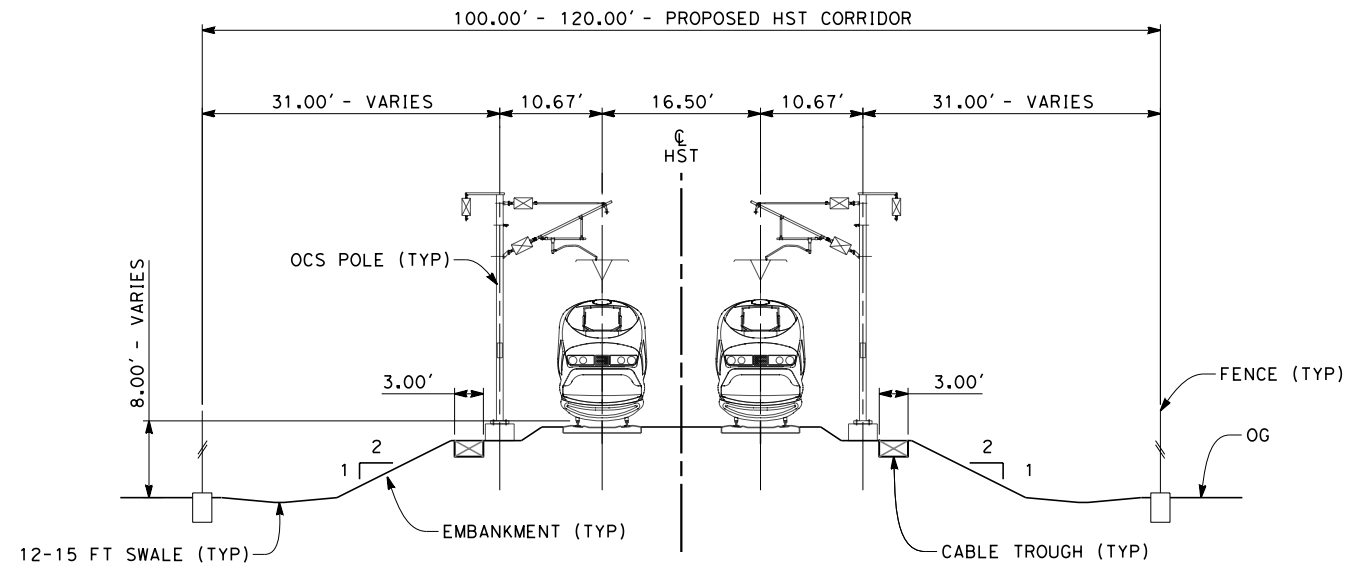
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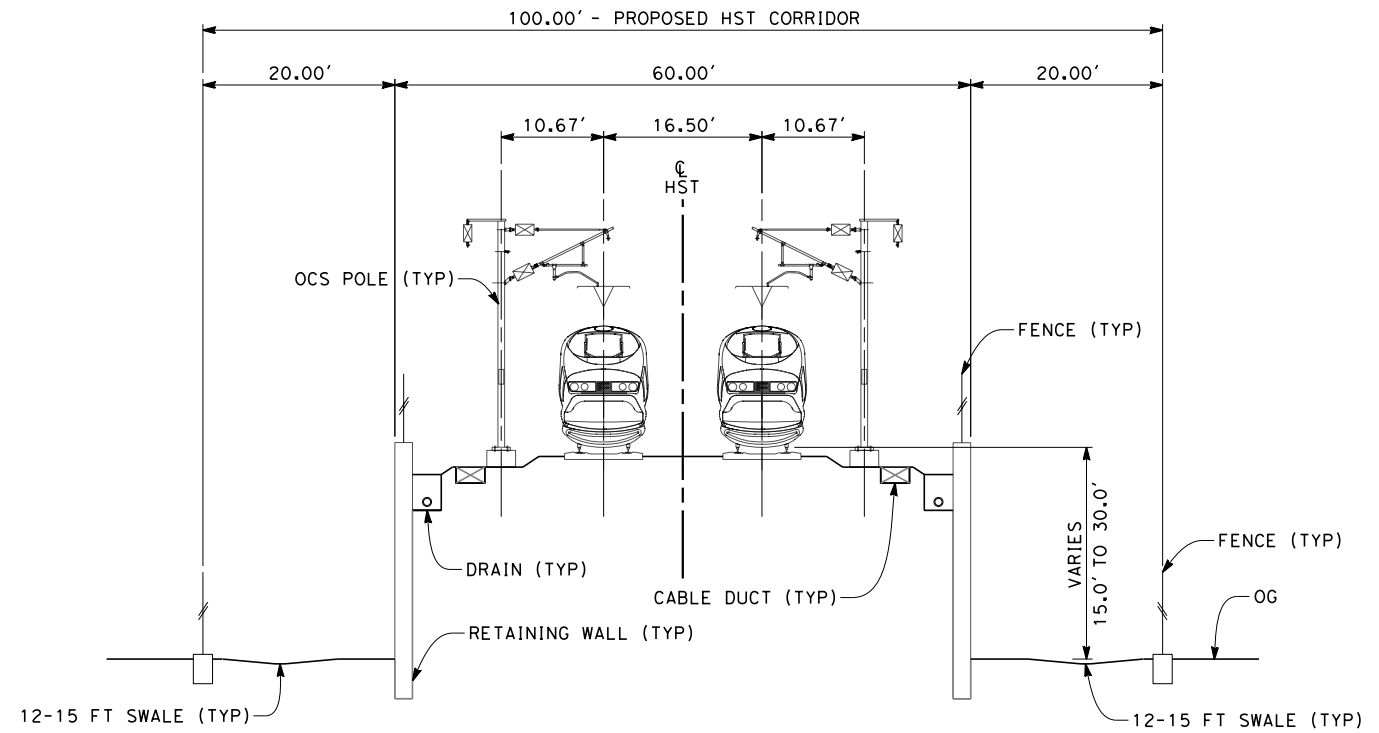
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 3054+00 TO 3096+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1923
SCALE
AS SHOWN
SHEET NO.
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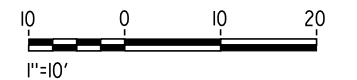


SECTION 1
TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 2073+97 THROUGH 2243+75
STA 2246+75 THROUGH 2444+00



SECTION 2
TWIN TRACK - RETAINED EMBANKMENT
STA 2444+00 THROUGH 2447+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.
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

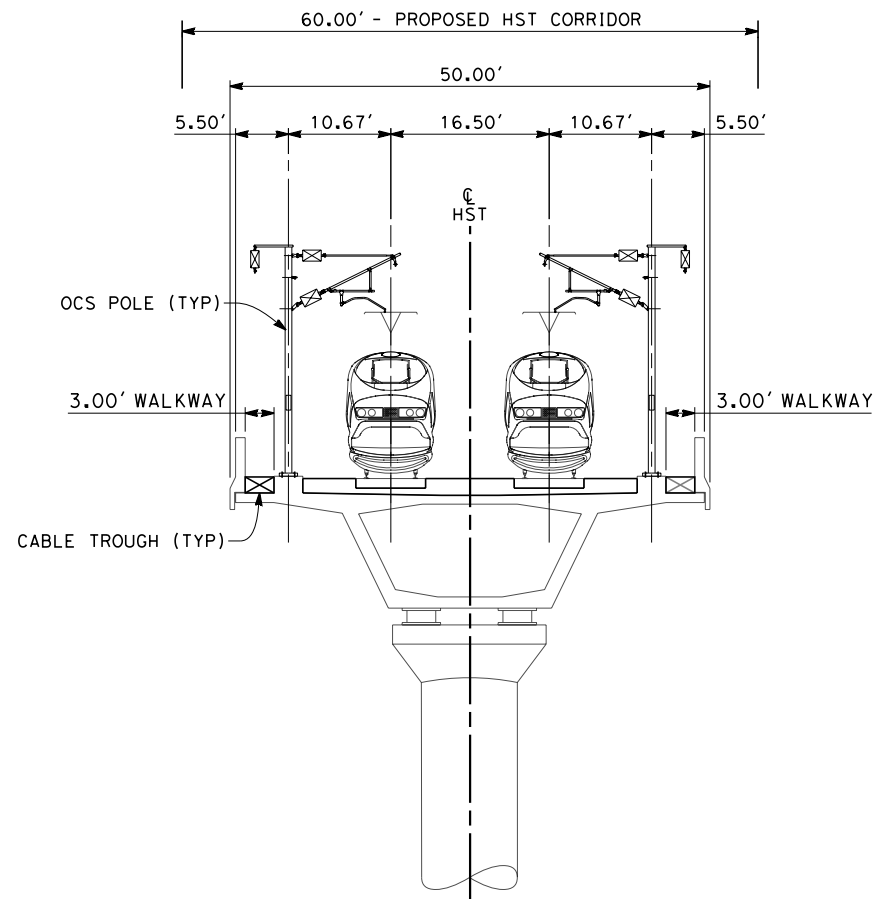
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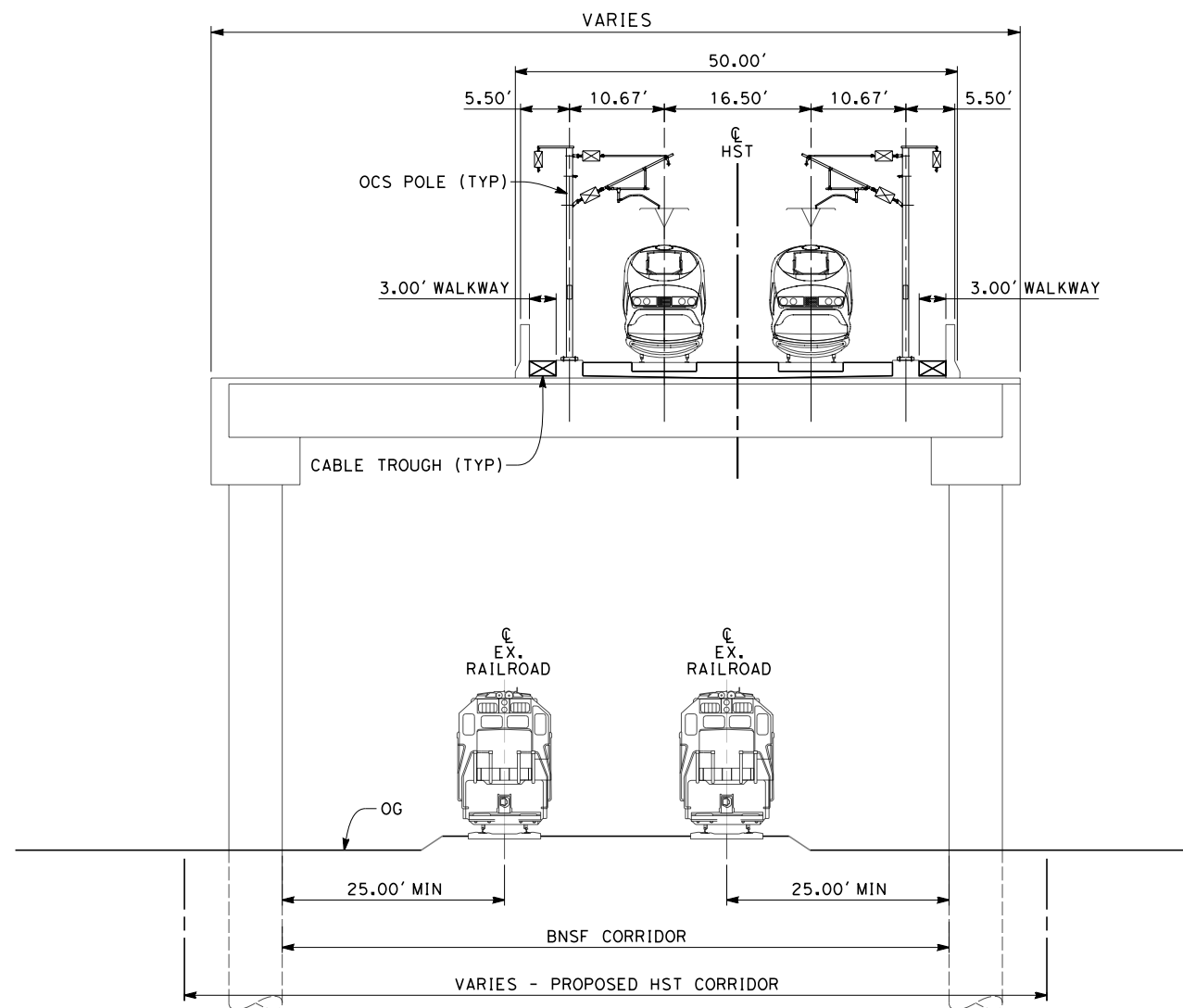
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C3
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3275
SCALE AS SHOWN
SHEET NO. 25 OF 30

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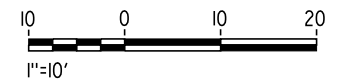


SECTION 3
TWIN TRACK - AERIAL STRUCTURE
STA 2447+00 THROUGH 2515+00
STA 2525+20 THROUGH 2545+60
STA 2828+00 THROUGH 2861+00



SECTION 4
TWIN TRACK - ELEVATED SLAB
STA 2515+00 THROUGH STA 2525+20

- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
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 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

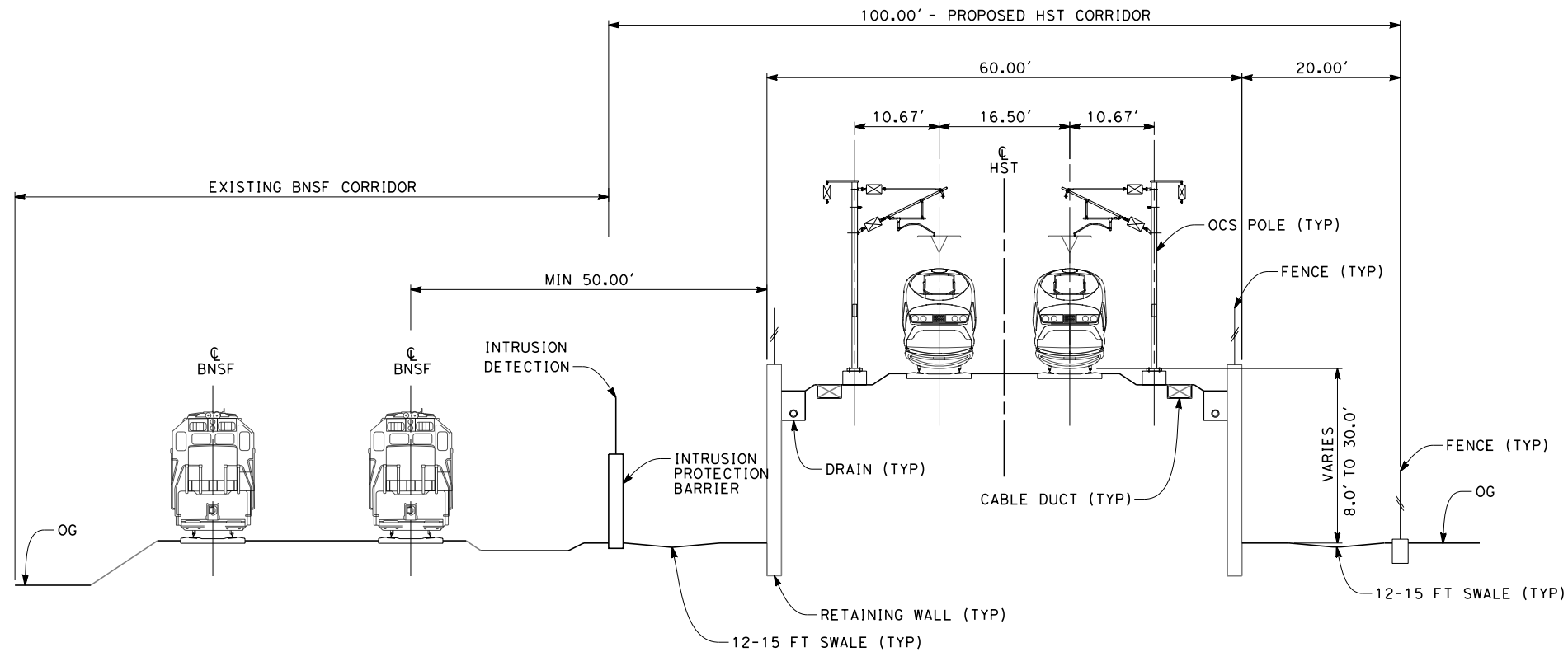
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NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION ALIGNMENT C3 CROSS SECTIONS

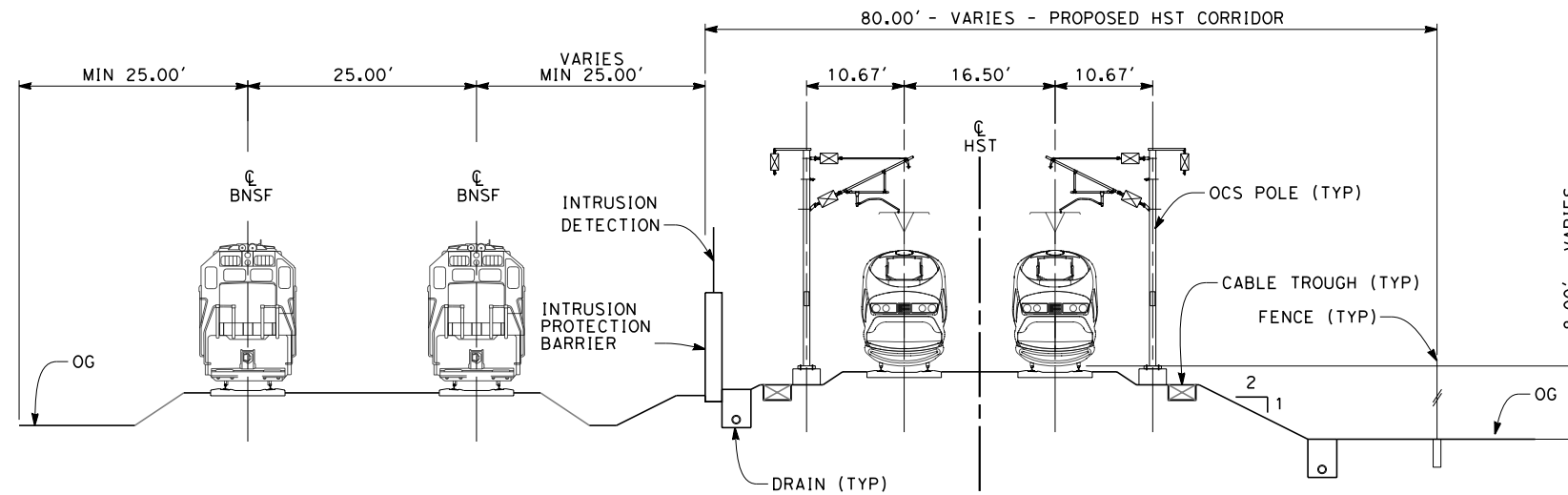
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DRAWING NO. CB3276
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SHEET NO. 26 OF 30

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SECTION 5

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT
STA 2545+60 THROUGH 2562+00
STA 2812+00 THROUGH 2828+00
STA 2861+00 THROUGH 2881+00
STA 2895+00 THROUGH 2920+00



SECTION 6

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 2573+00 THROUGH 2627+00
STA 2702+00 THROUGH 2718+00
STA 2781+00 THROUGH 2794+75
STA 2798+75 THROUGH 2812+00
STA 2945+00 THROUGH 2975+00
STA 3047+00 THROUGH 3096+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
4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



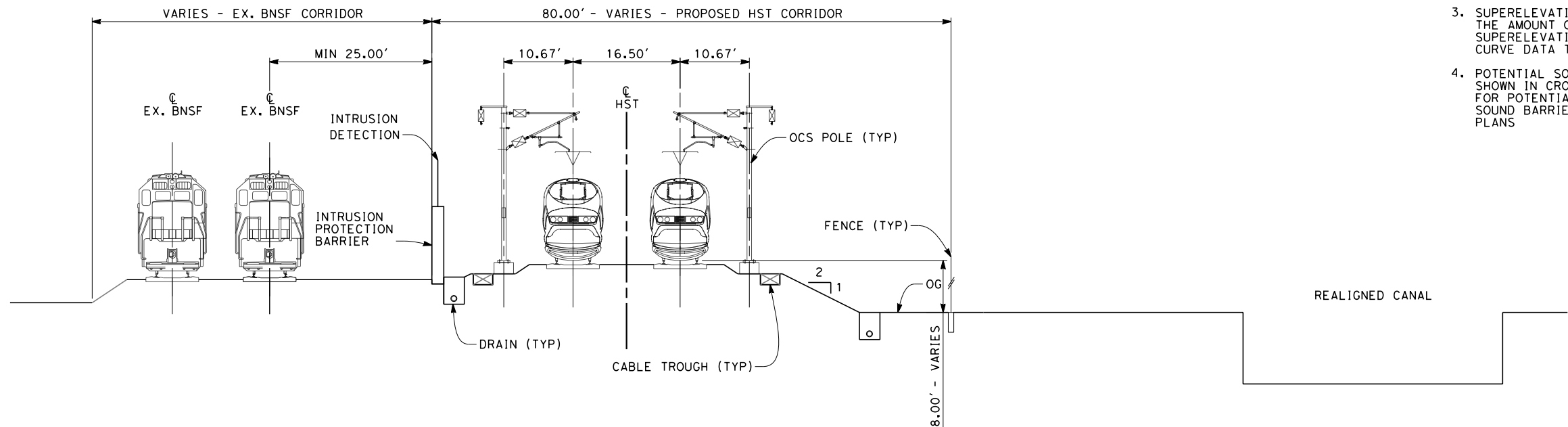
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3277
SCALE AS SHOWN
SHEET NO. 27 OF 30

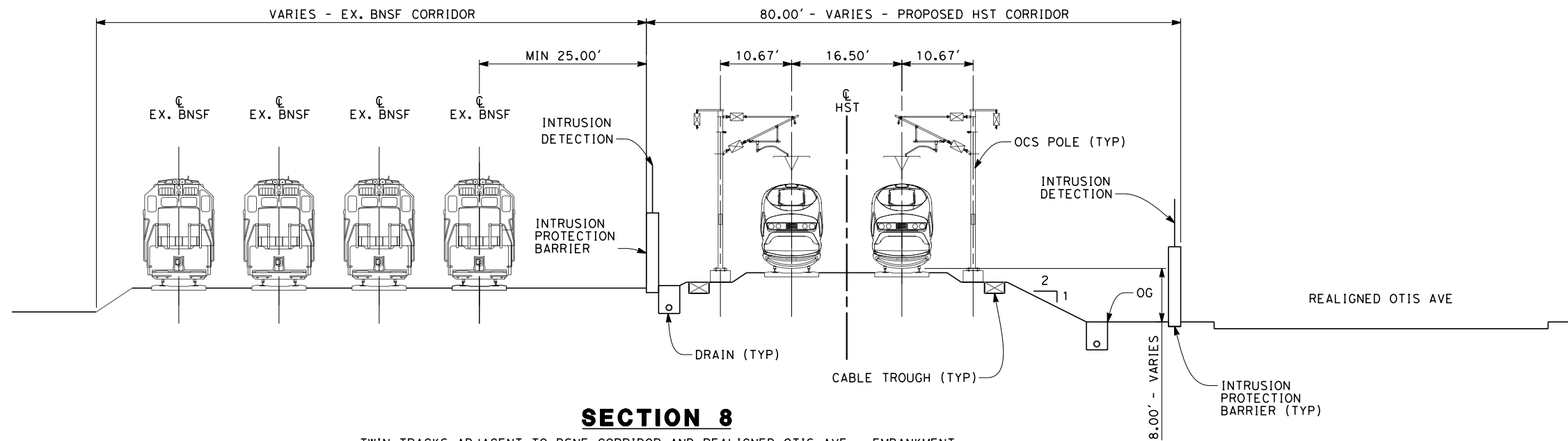
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES
 4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



SECTION 7

TWIN TRACKS ADJACENT TO BNSF CORRIDOR AND REALIGNED CANAL - EMBANKMENT
STA 2627+00 THROUGH 2702+00



SECTION 8

TWIN TRACKS ADJACENT TO BSNF CORRIDOR AND REALIGNED OTIS AVE - EMBANKMENT
STA 2718+00 THROUGH 2781+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

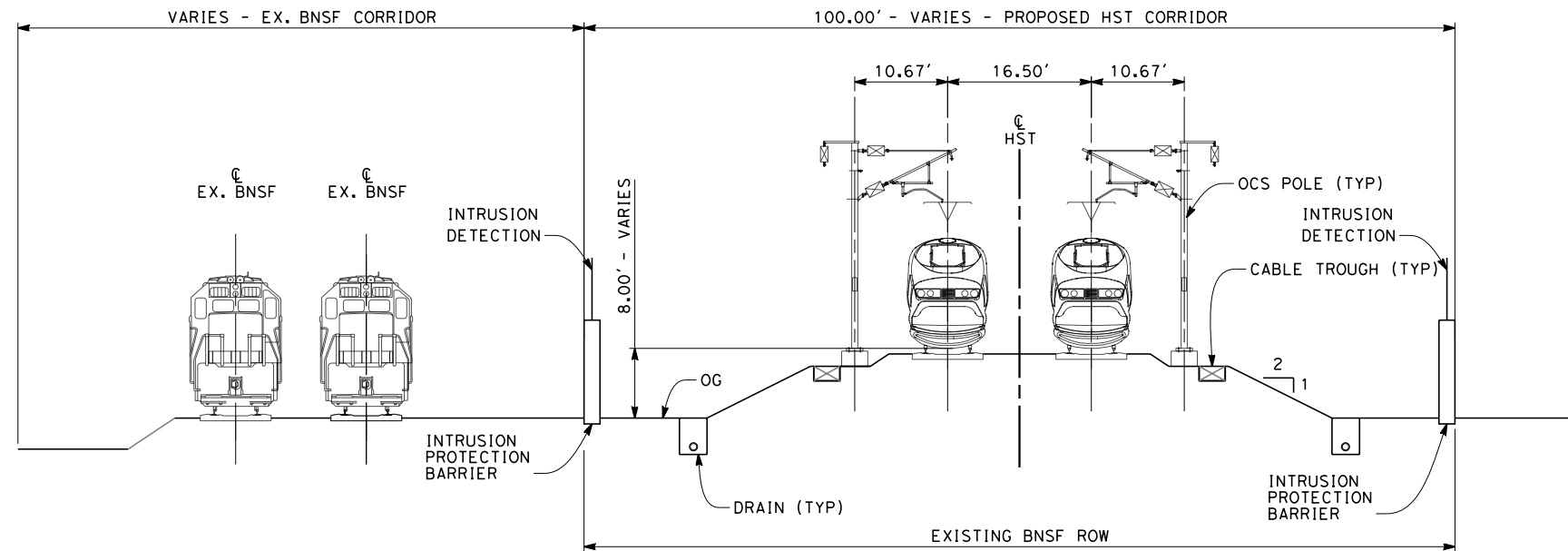


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
CROSS SECTIONS

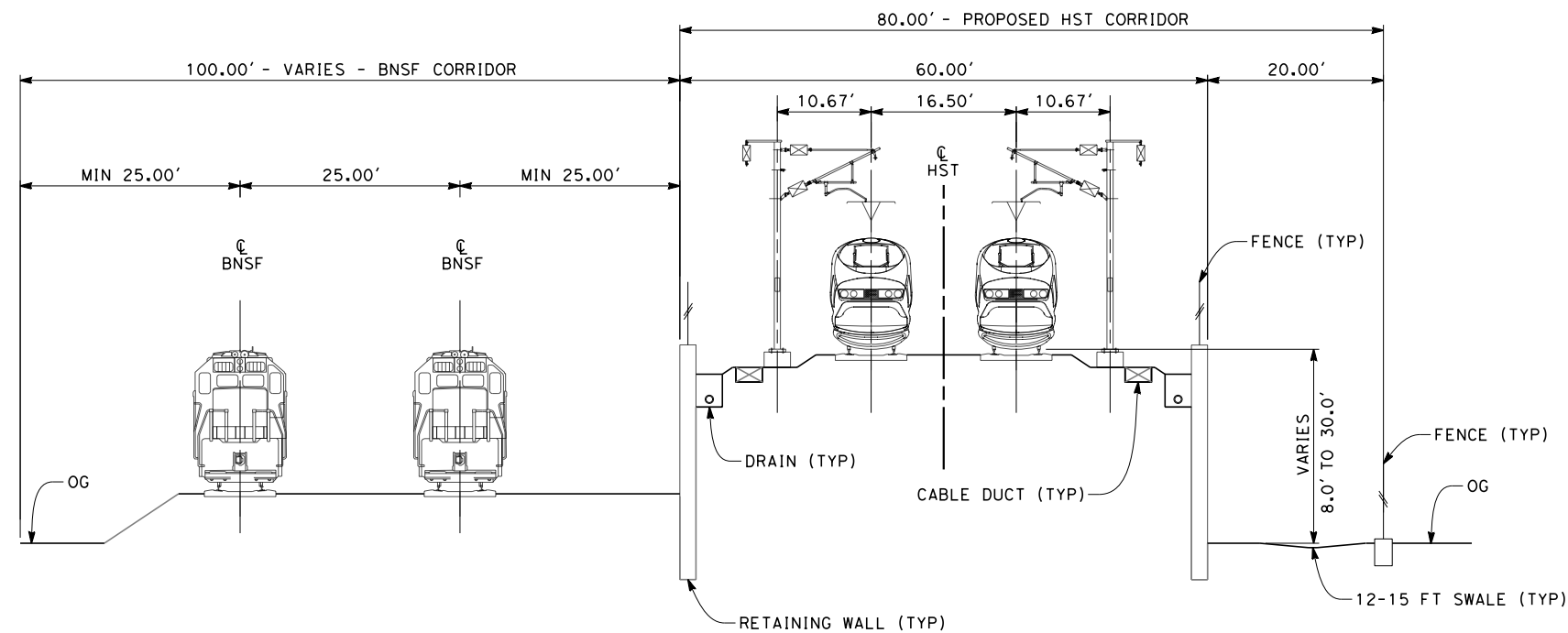
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3278
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SHEET NO. 28 OF 30

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SECTION 9

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 2881+00 THROUGH 2895+00



SECTION 10

TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT
STA 2562+00 THROUGH 2573+00
STA 2920+00 THROUGH 2945+00
STA 2975+00 THROUGH 3029+00
STA 3032+00 THROUGH 3047+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
4. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

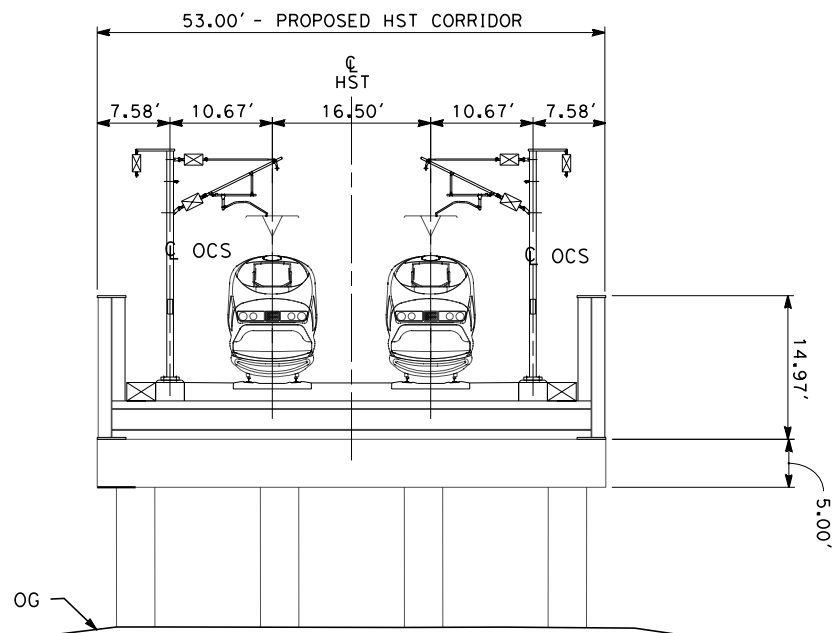


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
CROSS SECTIONS

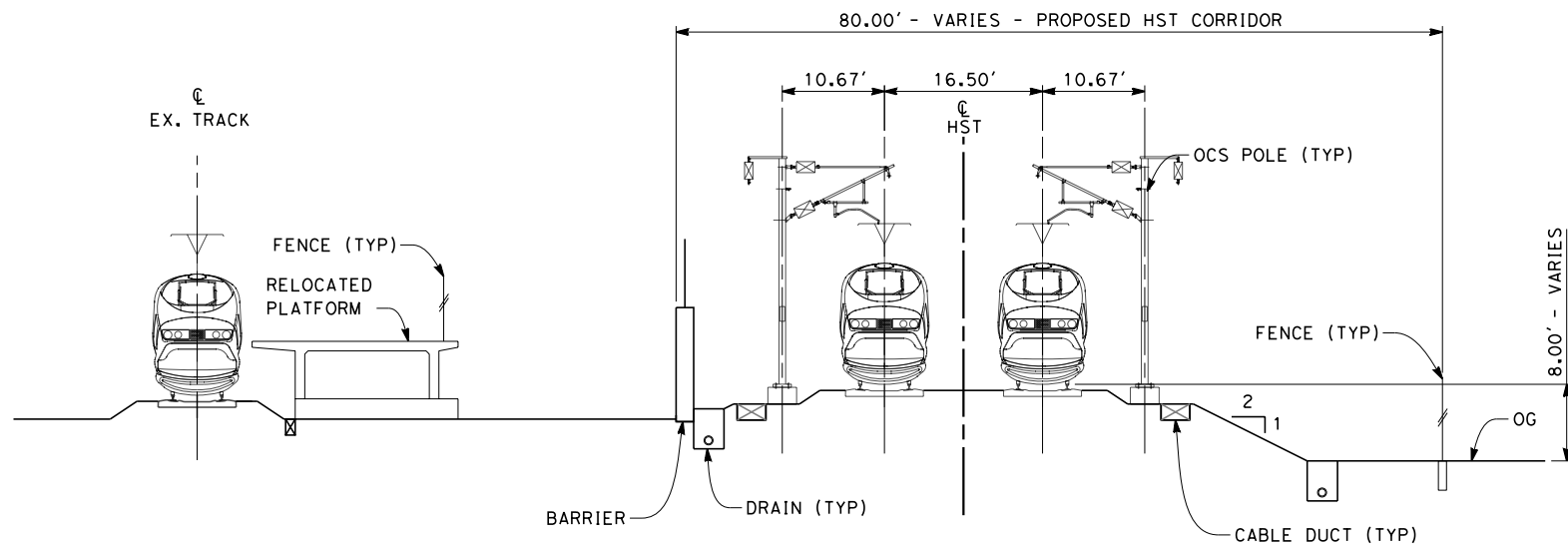
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DRAWING NO. CB3279
SCALE AS SHOWN
SHEET NO. 29 OF 30

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SECTION 11

TWIN TRACKS OVER UNDERCROSSING
STA 2243+75 THROUGH 2246+75 (STATE ROUTE 43)
STA 3029+00 THROUGH 3032+00 (TULE RIVER)

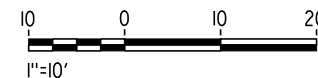


SECTION 12

TWIN TRACKS ADJACENT TO RELOCATED AMTRAK PLATFORMS - EMBANKMENT
STA 2794+75 THROUGH 2798+75

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. POTENTIAL SOUND BARRIERS NOT SHOWN IN CROSS-SECTION(S). FOR POTENTIAL EXTENTS OF SOUND BARRIERS, SEE ALIGNMENT PLANS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. MEJIA
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

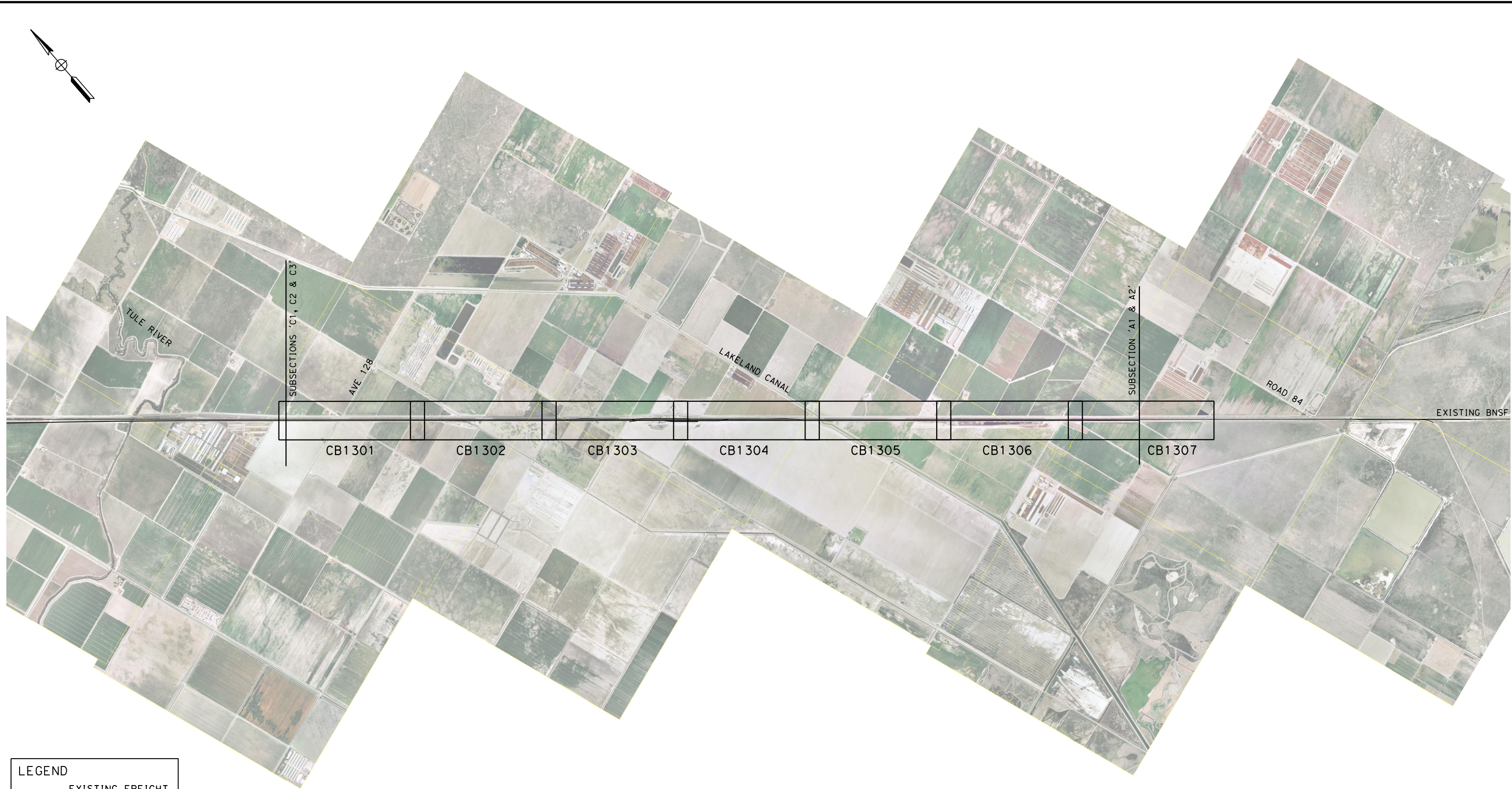


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

CORCORAN SUBSECTION
ALIGNMENT C3
CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3280
SCALE AS SHOWN
SHEET NO. 30 OF 30

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LEGEND

EXISTING FREIGHT RAILROAD

PROPOSED CHST

2000020004000

1"=2000'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD

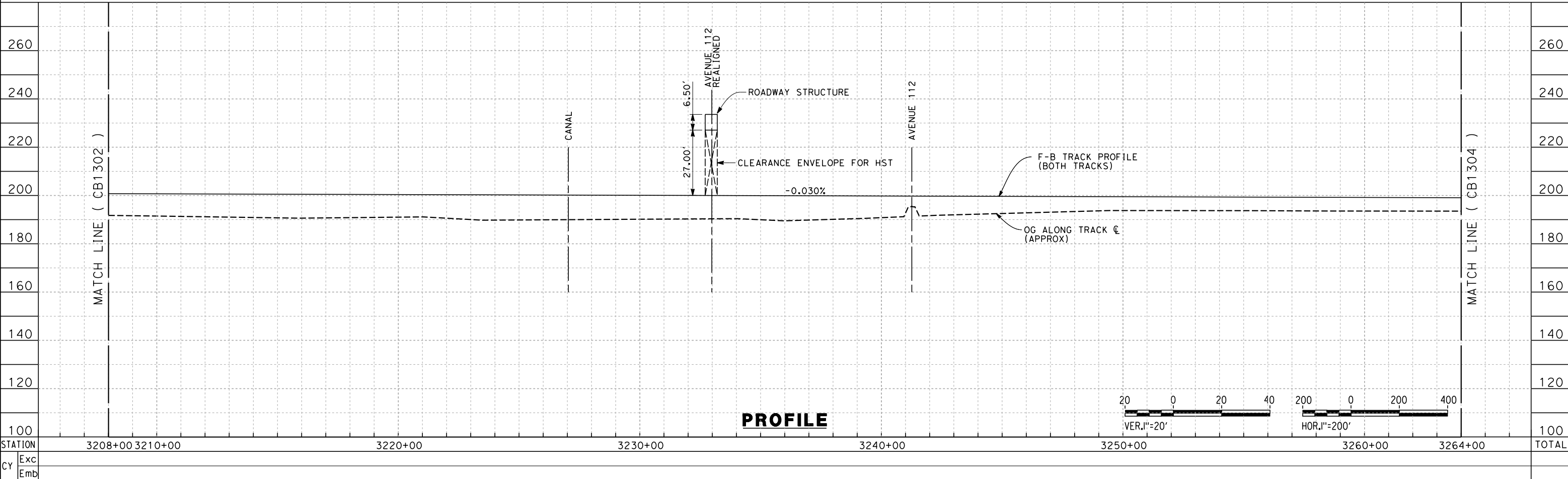
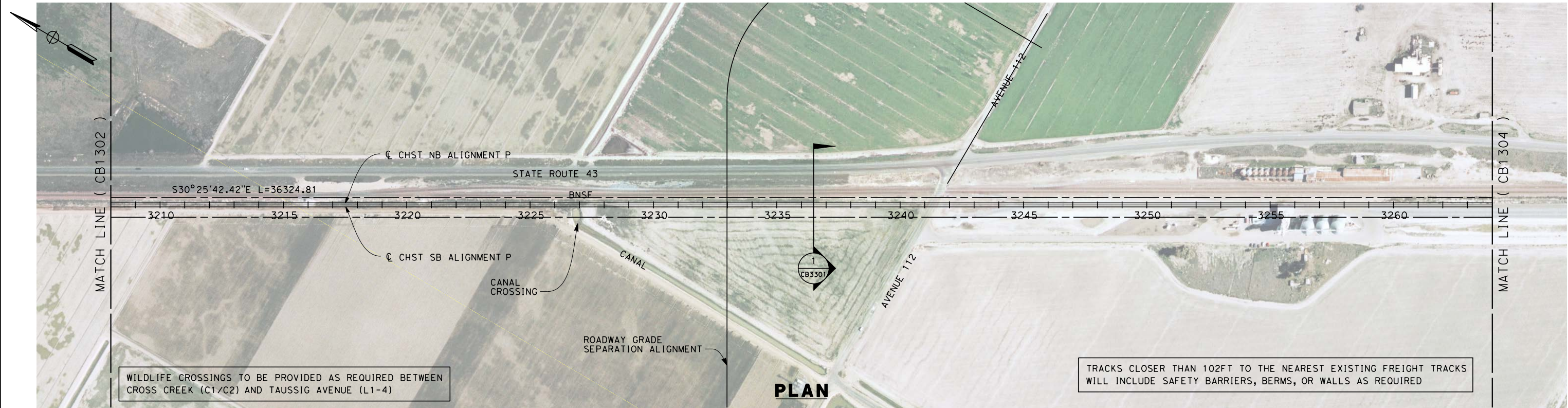
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3096+00 TO 3459+24
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1300
SCALE AS SHOWN
SHEET NO. 1 OF 9



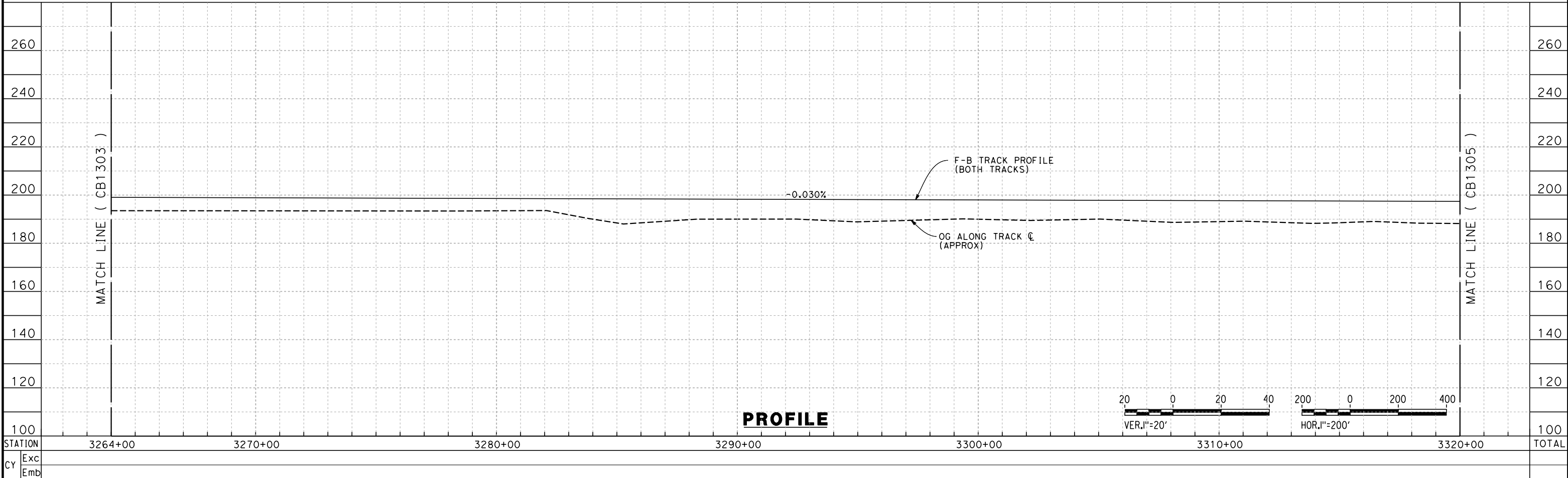
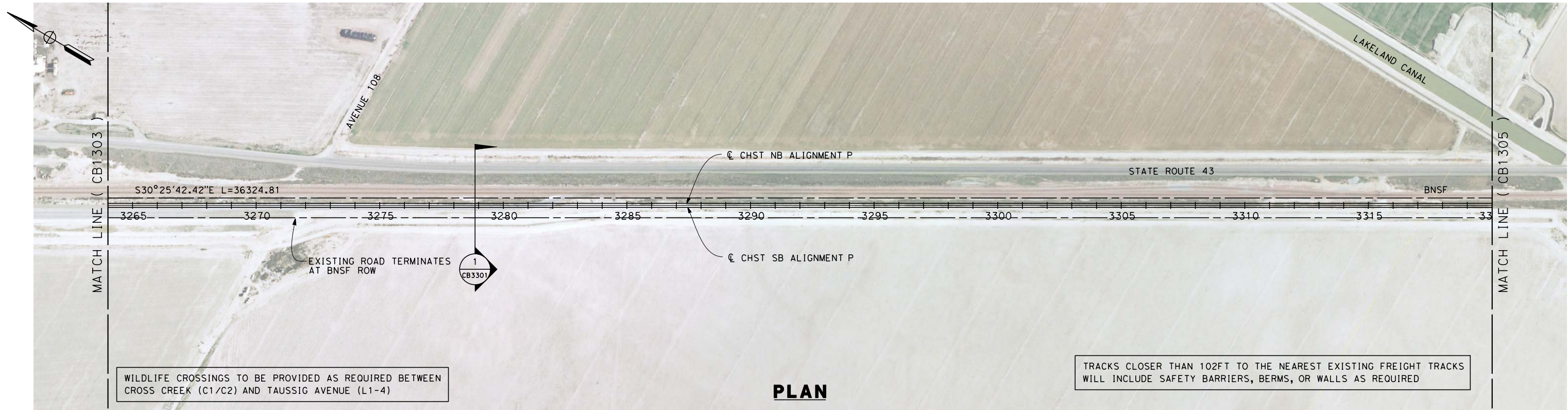
CONTRACT NO.	HSR 06-0003
DRAWING NO.	CB1301
SCALE	AS SHOWN
SHEET NO.	2 OF 9

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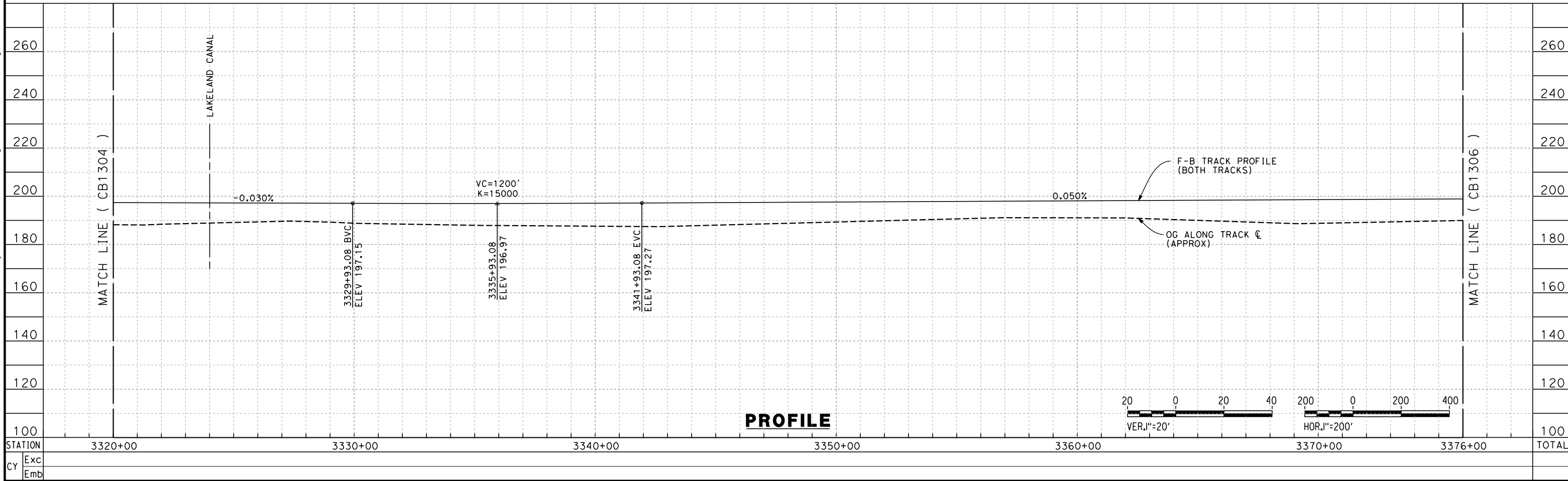
STATION						3208+00	3210+00	3220+00	3230+00	3240+00	3250+00	3260+00	3264+00	TOTAL
CY	Exc													
	Emb													
REV	DATE	BY	CHK	APP	DESCRIPTION									
					DESIGNED BY K. SEYMOUR									
					DRAWN BY P. TONKIN									
					CHECKED BY D. HUNT									
					IN CHARGE A. LUFT									
					DATE 05/13/11									
					RECORD SET 15% DESIGN SUBMISSION					NOT FOR CONSTRUCTION				
					CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD					CONTRACT NO. HSR 06-0003				
					PIXLEY SUBSECTION ALIGNMENT P					DRAWING NO. CB1303				
					STA. 3208+00 TO 3264+00					SCALE AS SHOWN				
					PLAN AND PROFILE					SHEET NO. 4 OF 9				

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						DESIGNED BY K. SEYMOUR	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	CONTRACT NO. HSR 06-0003
						DRAWN BY P. TONKIN					DRAWING NO. CB1304
						CHECKED BY D. HUNT					SCALE AS SHOWN
						IN CHARGE A. LUFT					SHEET NO. 5 OF 9
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 05/13/11					

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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
05/13/11

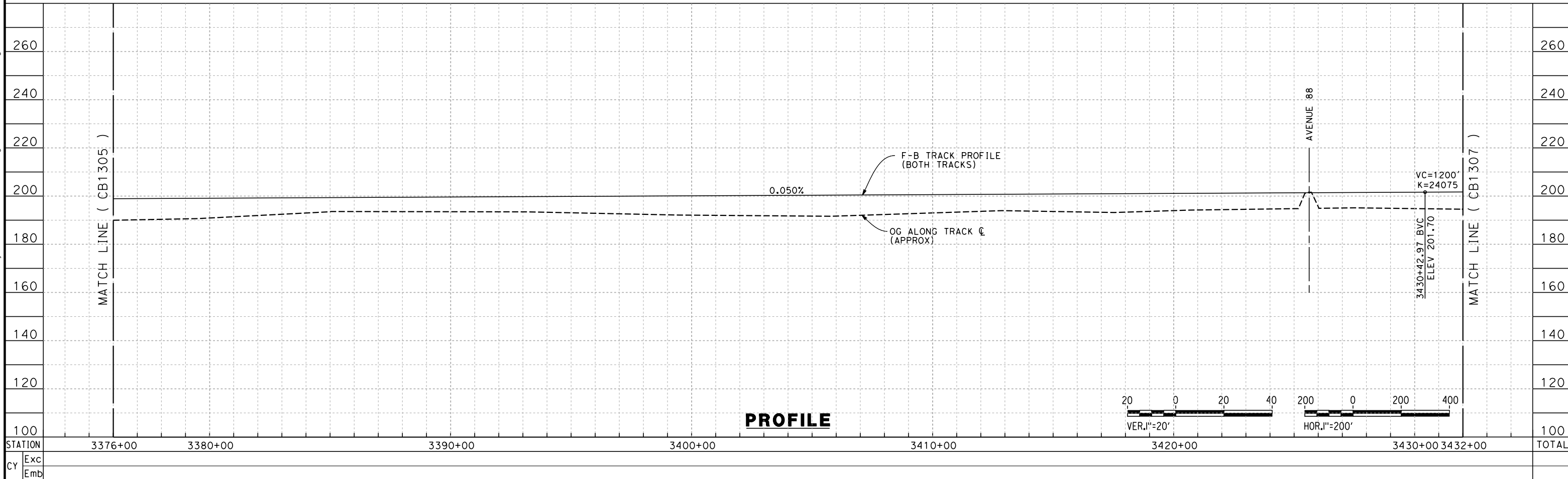
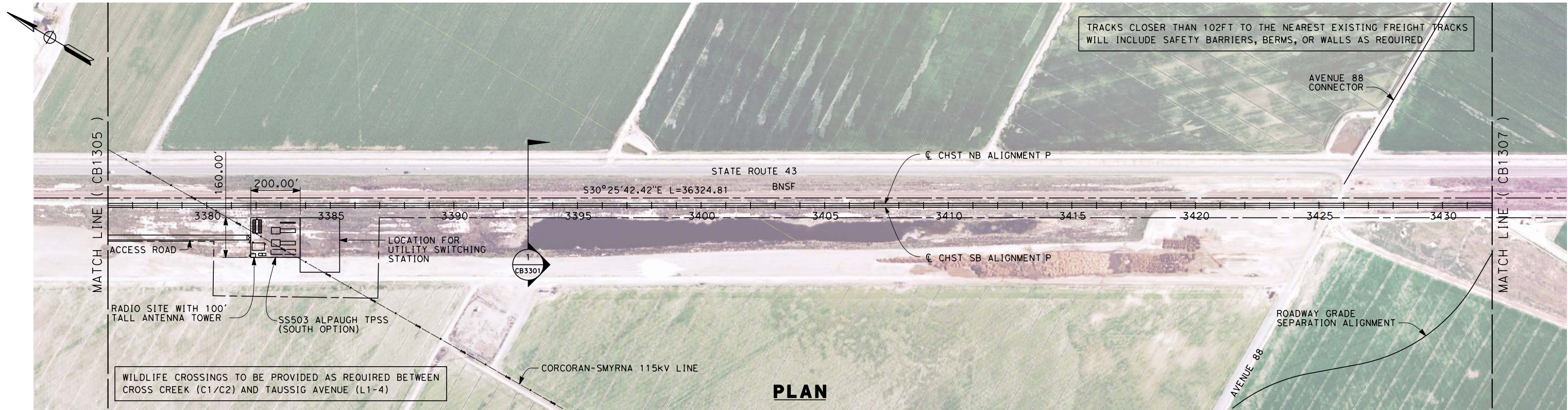
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
STA. 3320+00 TO 3376+00
PLAN AND PROFILE

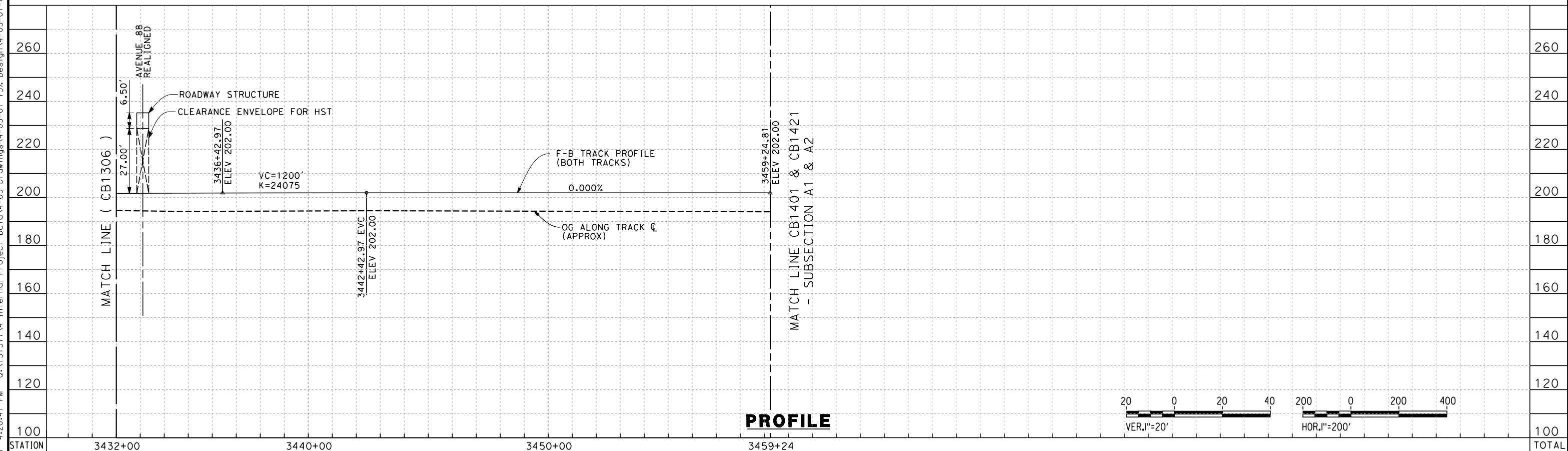
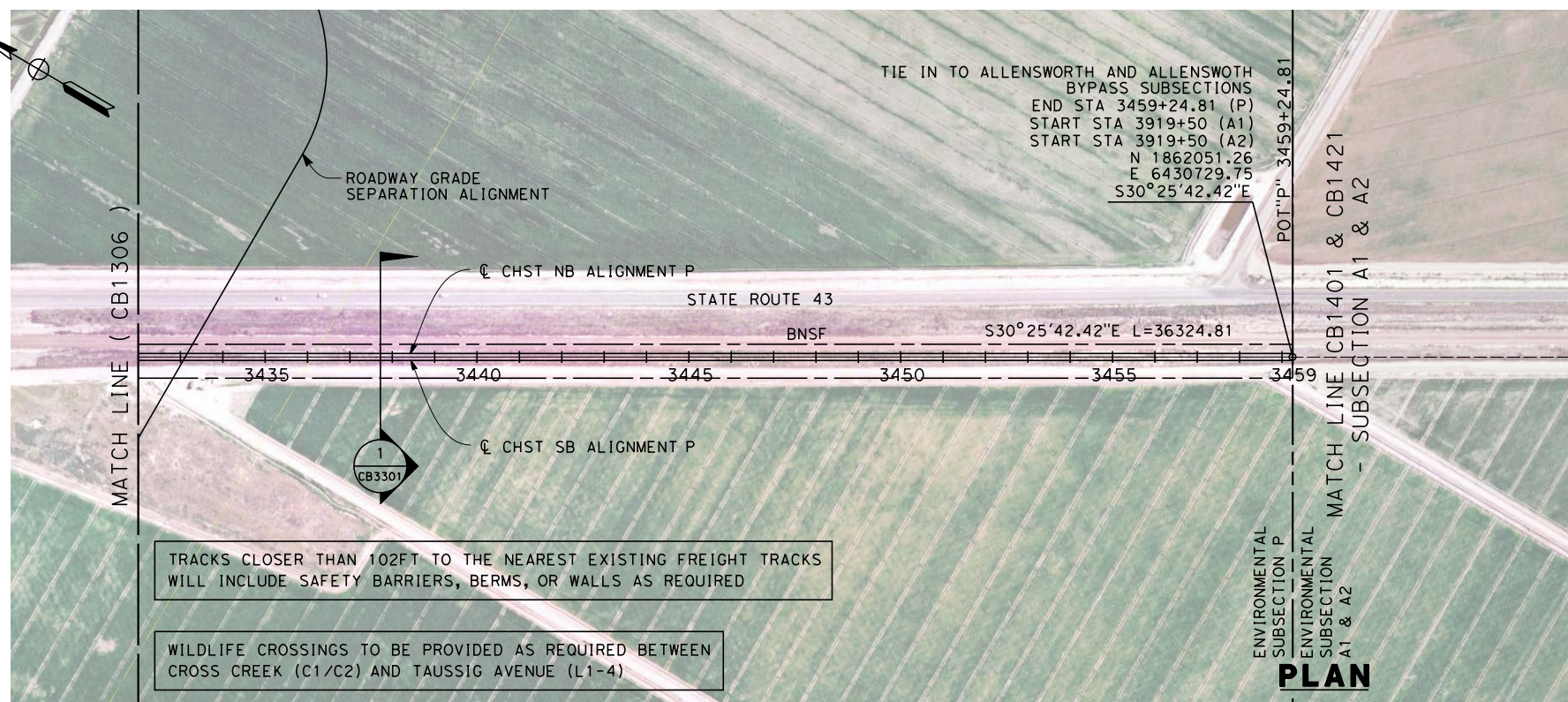
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1305
SCALE
AS SHOWN
SHEET NO.
6 OF 9

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DESIGNED BY K. SEYMOUR	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD PIXLEY SUBSECTION ALIGNMENT P STA. 3376+00 TO 3432+00 PLAN AND PROFILE	CONTRACT NO. HSR 06-0003
DRAWN BY P. TONKIN					DRAWING NO. CB1306
CHECKED BY D. HUNT					SCALE AS SHOWN
IN CHARGE A. LUFT					SHEET NO. 7 OF 9
DATE 05/13/11					

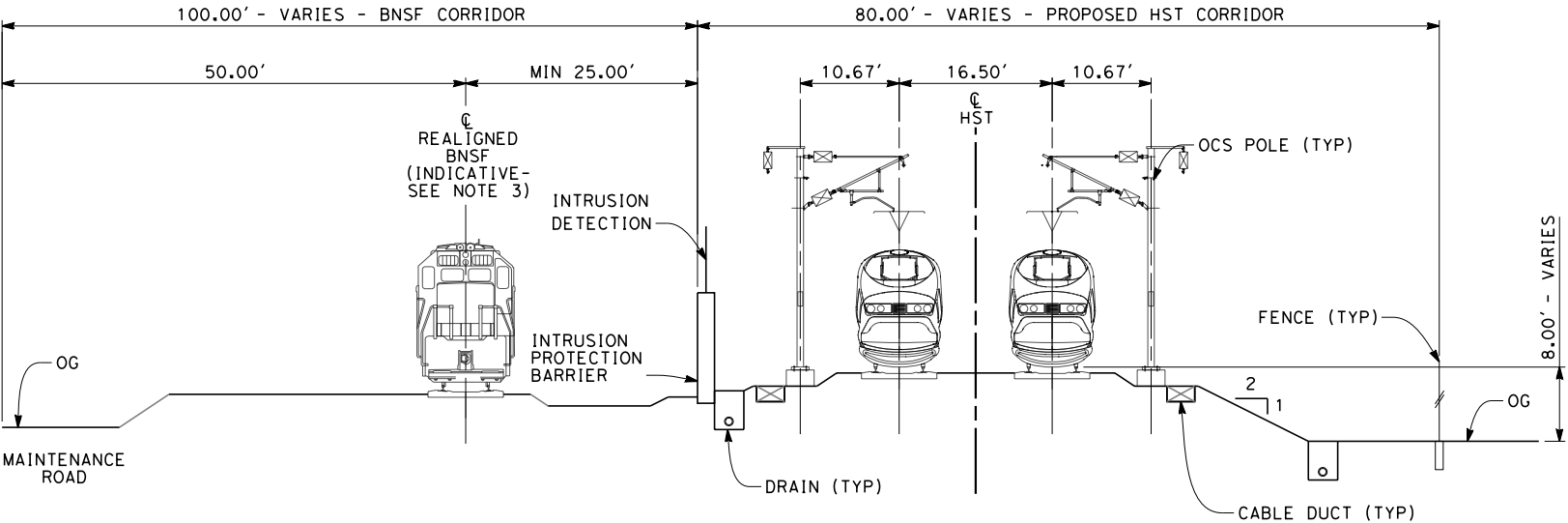
REV	DATE	BY	CHK	APP	DESCRIPTION



CY	Exc											
	Emb											
							DESIGNED BY K. SEYMOUR	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
							DRAWN BY P. TONKIN					DRAWING NO. CB1307
							CHECKED BY D. HUNT					SCALE AS SHOWN
							IN CHARGE A. LUFT					SHEET NO. 8 OF 9
							DATE 05/13/11					
REV	DATE	BY	CHK	APP	DESCRIPTION							

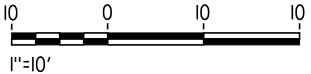
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 3. INDICATIVE BNSF REALIGNMENT SHOWS MINIMUM OFFSET TO BE PROVIDED TO HST CORRIDOR WHERE APPLICABLE. DETAILS TO BE CONFIRMED FOLLOWING DETAILED SURVEYS



SECTION 1

TWIN TRACKS ADJACENT TO BNSF - EMBANKMENT
STA 3096+00 THROUGH STA 3459+24.81



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SEYMOUR
DRAWN BY P. TONKIN
CHECKED BY D. HUNT
IN CHARGE A. LUFT
DATE 05/13/11

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**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