CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

Final EIR/EIS

Fresno to Bakersfield Section

Volume III:
Alignments and Other Plans

Section I
Sound Barrier Plans

April 2014

CALIFORNIA
High-Speed Rail Authority

U.S. Department of Transportation
Federal Railroad Administration

ALIGNMENT C1 - CORCORAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1870	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2601+64 TO 3096+00 - KEY MAP	SHEET 1 OF 22	3
~~CB1880~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2601+64 TO 2622+00 - PLAN AND PROFILE~~	~~SHEET 2 OF 22~~	
~~CB1881~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2622+00 TO 2678+00 - PLAN AND PROFILE~~	~~SHEET 3 OF 22~~	
~~CB1882~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2678+00 TO 2706+00 - PLAN AND PROFILE~~	~~SHEET 4 OF 22~~	
CB1883	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2706+00 TO 2734+00 - PLAN AND PROFILE	SHEET 5 OF 22	
CB1884	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2734+00 TO 2762+00 - PLAN AND PROFILE	SHEET 6 OF 22	
CB1885	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2762+00 TO 2790+00 - PLAN AND PROFILE	SHEET 7 OF 22	
CB1886	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2790+00 TO 2818+00 - PLAN AND PROFILE	SHEET 8 OF 22	
CB1887	CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2818+00 TO 2846+00 - PLAN AND PROFILE	SHEET 9 OF 22	
~~CB1888~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2846+00 TO 2874+00 - PLAN AND PROFILE~~	~~SHEET 10 OF 22~~	
~~CB1889~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2874+00 TO 2902+00 - PLAN AND PROFILE~~	~~SHEET 11 OF 22~~	
~~CB1890~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2902+00 TO 2930+00 - PLAN AND PROFILE~~	~~SHEET 12 OF 22~~	
~~CB1891~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2930+00 TO 2958+00 - PLAN AND PROFILE~~	~~SHEET 13 OF 22~~	
~~CB1892~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 2958+00 TO 3014+00 - PLAN AND PROFILE~~	~~SHEET 14 OF 22~~	
~~CB1893~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 3014+00 TO 3070+00 - PLAN AND PROFILE~~	~~SHEET 15 OF 22~~	
~~CB1894~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - STA. 3070+00 TO 3096+00 - PLAN AND PROFILE~~	~~SHEET 16 OF 22~~	
~~CB3210~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 17 OF 22~~	
~~CB3211~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 18 OF 22~~	
~~CB3212~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 19 OF 22~~	
~~CB3213~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 20 OF 22~~	
~~CB3214~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 21 OF 22~~	
~~CB3215~~	~~CORCORAN SUBSECTION - ALIGNMENT C1 - CROSS SECTIONS~~	~~SHEET 22 OF 22~~	

ALIGNMENT C3 - CORCORAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1900	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2634+47 TO 3096+00 - KEY MAP	SHEET 1 OF 20	3
~~CB1911~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2634+47 TO 2690+00 - PLAN AND PROFILE~~	~~SHEET 2 OF 20~~	
~~CB1912~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2690+00 TO 2718+00 - PLAN AND PROFILE~~	~~SHEET 3 OF 20~~	
CB1913	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2718+00 TO 2746+00 - PLAN AND PROFILE	SHEET 4 OF 20	
CB1914	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2746+00 TO 2774+00 - PLAN AND PROFILE	SHEET 5 OF 20	
CB1915	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2744+00 TO 2802+00 - PLAN AND PROFILE	SHEET 6 OF 20	
CB1916	CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2802+00 TO 2830+00 - PLAN AND PROFILE	SHEET 7 OF 20	
~~CB1917~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2830+00 TO 2858+00 - PLAN AND PROFILE~~	~~SHEET 8 OF 20~~	
~~CB1918~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2858+00 TO 2886+00 - PLAN AND PROFILE~~	~~SHEET 9 OF 20~~	
~~CB1919~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2886+00 TO 2914+00 - PLAN AND PROFILE~~	~~SHEET 10 OF 20~~	
~~CB1920~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2914+00 TO 2942+00 - PLAN AND PROFILE~~	~~SHEET 11 OF 20~~	
~~CB1921~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2942+00 TO 2998+00~~	~~SHEET 12 OF 20~~	
~~CB1922~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA. 2998+00 TO 3054+00~~	~~SHEET 13 OF 20~~	
~~CB1923~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - STA 3054+00 TO 3096+00~~	~~SHEET 14 OF 20~~	
~~CB3275~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 15 OF 20~~	
~~CB3276~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 16 OF 20~~	
~~CB3277~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 17 OF 20~~	
~~CB3278~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 18 OF 20~~	
~~CB3279~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 19 OF 20~~	
~~CB3280~~	~~CORCORAN SUBSECTION - ALIGNMENT C3 - CROSS SECTIONS~~	~~SHEET 20 OF 20~~	

ALIGNMENT WS1 - THROUGH WASCO-SHAFTER SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1448	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5422+50 TO 6511+99 - KEY MAP	SHEET 1 OF 35	3
~~CB1449~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5422+50 TO 5478+50 - PLAN AND PROFILE~~	~~SHEET 2 OF 35~~	
~~CB1450~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5478+50 TO 5334+50 - PLAN AND PROFILE~~	~~SHEET 3 OF 35~~	
CB1451	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5334+50 TO 5562+50 - PLAN AND PROFILE	SHEET 4 OF 35	
CB1452	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5562+50 TO 5590+50 - PLAN AND PROFILE	SHEET 5 OF 35	
CB1453	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5559+50 TO 5618+50 - PLAN AND PROFILE	SHEET 6 OF 35	
CB1454	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5618+50 TO 5646+50 - PLAN AND PROFILE	SHEET 7 OF 35	
CB1455	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5646+50 TO 5702+50 - PLAN AND PROFILE	SHEET 8 OF 35	
~~CB1456~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5702+50 TO 5758+50 - PLAN AND PROFILE~~	~~SHEET 9 OF 35~~	
~~CB1457~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5758+50 TO 5814+50 - PLAN AND PROFILE~~	~~SHEET 10 OF 35~~	

ALIGNMENT WS1 - THROUGH WASCO-SHAFTER SUBSECTION CONT'D

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
~~CB1458~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA 5814+50 TO 5870+50 - PLAN AND PROFILE~~	~~SHEET 11 OF 35~~	3
CB1459	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5870+50 TO 5926+50 - PLAN AND PROFILE	SHEET 12 OF 35	
CB1460	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5926+50 TO 5954+50 - PLAN AND PROFILE	SHEET 13 OF 35	
CB1461	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5954+50 TO 5982+50 - PLAN AND PROFILE	SHEET 14 OF 35	
CB1462	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 5982+50 TO 6010+50 - PLAN AND PROFILE	SHEET 15 OF 35	
CB1463	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6010+50 TO 6038+50 - PLAN AND PROFILE	SHEET 16 OF 35	
~~CB1464~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6038+50 TO 6094+50 - PLAN AND PROFILE~~	~~SHEET 17 OF 35~~	
~~CB1465~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6094+50 TO 6150+50 - PLAN AND PROFILE~~	~~SHEET 18 OF 35~~	
~~CB1466~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6150+50 TO 6206+50 - PLAN AND PROFILE~~	~~SHEET 19 OF 35~~	
~~CB1467~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6260+50 TO 6262+50 - PLAN AND PROFILE~~	~~SHEET 20 OF 35~~	
~~CB1468~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6262+50 TO 6218+50 - PLAN AND PROFILE~~	~~SHEET 21 OF 35~~	
~~CB1469~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6218+50 TO 6374+50 - PLAN AND PROFILE~~	~~SHEET 22 OF 35~~	
~~CB1470~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6374+50 TO 6430+50 - PLAN AND PROFILE~~	~~SHEET 23 OF 35~~	
CB1471	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6430+50 TO 6486+50 - PLAN AND PROFILE	SHEET 24 OF 35	
CB1472	THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - STA. 6486+50 TO 6511+99 - PLAN AND PROFILE	SHEET 25 OF 35	
~~CB3446~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 26 OF 35~~	
~~CB3447~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 27 OF 35~~	
~~CB3448~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 28 OF 35~~	
~~CB3449~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 29 OF 35~~	
~~CB3450~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 30 OF 35~~	
~~CB3451~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 31 OF 35~~	
~~CB3452~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 32 OF 35~~	
~~CB3453~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 33 OF 35~~	
~~CB3454~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 34 OF 35~~	
~~CB3455~~	~~THROUGH WASCO-SHAFTER SUBSECTION - ALIGNMENT WS1 - CROSS SECTIONS~~	~~SHEET 35 OF 35~~	

ALIGNMENT WS2 - WASCO-SHAFTER BYPASS SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB1483	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5703+34 TO 6468+32 - KEY MAP	SHEET 1 OF 21	3
~~CB1484~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5703+34 TO 5758+50 - PLAN AND PROFILE~~	~~SHEET 2 OF 21~~	
~~CB1485~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5758+50 TO 5814+50 - PLAN AND PROFILE~~	~~SHEET 3 OF 21~~	
~~CB1486~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5814+50 TO 5870+50 - PLAN AND PROFILE~~	~~SHEET 4 OF 21~~	
~~CB1487~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5870+50 TO 5926+50 - PLAN AND PROFILE~~	~~SHEET 5 OF 21~~	
~~CB1488~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5926+50 TO 5982+50 - PLAN AND PROFILE~~	~~SHEET 6 OF 21~~	
~~CB1489~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 5982+50 TO 6038+50 - PLAN AND PROFILE~~	~~SHEET 7 OF 21~~	
~~CB1490~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6038+50 TO 6094+50 - PLAN AND PROFILE~~	~~SHEET 8 OF 21~~	
~~CB1491~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6094+50 TO 6150+50 - PLAN AND PROFILE~~	~~SHEET 9 OF 21~~	
~~CB1492~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6150+50 TO 6206+50 - PLAN AND PROFILE~~	~~SHEET 10 OF 21~~	
~~CB1493~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6206+50 TO 6262+50 - PLAN AND PROFILE~~	~~SHEET 11 OF 21~~	
~~CB1494~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6262+50 TO 6318+50 - PLAN AND PROFILE~~	~~SHEET 12 OF 21~~	
~~CB1495~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6318+50 TO 6374+50 - PLAN AND PROFILE~~	~~SHEET 13 OF 21~~	
~~CB1496~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6374+50 TP 6430+50 - PLAN AND PROFILE~~	~~SHEET 14 OF 21~~	
CB1497	WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - STA. 6430+50 TO 6468+32 - PLAN AND PROFILE	SHEET 15 OF 21	
~~CB3476~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 16 OF 21~~	
~~CB3477~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 17 OF 21~~	
~~CB3478~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 18 OF 21~~	
~~CB3479~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 19 OF 21~~	
~~CB3480~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 20 OF 21~~	
~~CB3481~~	~~WASCO-SHAFTER BYPASS SUBSECTION - ALIGNMENT WS2 - CROSS SECTIONS~~	~~SHEET 21 OF 21~~	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY P. TONKIN
DRAWN BY P. LEES
CHECKED BY A. BRUNDAGE
IN CHARGE R. COFFIN
DATE 12/31/13

DRAFT 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
ALIGNMENT
INDEX OF SHEETS
SHEET 1 OF 2

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0020
SCALE NO SCALE
SHEET NO. X OF XX

ALIGNMENT B1 - BAKERSFIELD URBAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0764	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6800+11 TO 7431+00 - KEY MAP	SHEET 1 OF 36	3
CB0765	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6800+11 TO 6828+00 - PLAN AND PROFILE	SHEET 2 OF 36	
CB0766	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6828+00 TO 6856+00 - PLAN AND PROFILE	SHEET 3 OF 36	
CB0767	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6856+00 TO 6884+00 - PLAN AND PROFILE	SHEET 4 OF 36	
CB0768	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6884+00 TO 6912+00 - PLAN AND PROFILE	SHEET 5 OF 36	
CB0769	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6912+00 TO 6940+00 - PLAN AND PROFILE	SHEET 6 OF 36	
CB0770	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6940+00 TO 6968+00 - PLAN AND PROFILE	SHEET 7 OF 36	
CB0771	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6968+00 TO 6996+00 - PLAN AND PROFILE	SHEET 8 OF 36	
CB0772	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 6996+00 TO 7024+00 - PLAN AND PROFILE	SHEET 9 OF 36	
CB0773	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7024+00 TO 7052+00 - PLAN AND PROFILE	SHEET 10 OF 36	
CB0774	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7052+00 TO 7080+00 - PLAN AND PROFILE	SHEET 11 OF 36	
CB0775	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7080+00 TO 7108+00 - PLAN AND PROFILE	SHEET 12 OF 36	
CB0776	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7108+00 TO 7136+00 - PLAN AND PROFILE	SHEET 13 OF 36	
CB0777	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7136+00 TO 7164+00 - PLAN AND PROFILE	SHEET 14 OF 36	
CB0778	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7164+00 TO 7192+00 - PLAN AND PROFILE	SHEET 15 OF 36	
CB0779	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7192+00 TO 7220+00 - PLAN AND PROFILE	SHEET 16 OF 36	
CB0780	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7220+00 TO 7234+00 - PLAN AND PROFILE	SHEET 17 OF 36	
CB0781	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7234+00 TO 7248+00 - PLAN AND PROFILE	SHEET 18 OF 36	
CB0782	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7248+00 TO 7262+00 - PLAN AND PROFILE	SHEET 19 OF 36	
CB0783	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7262+00 TO 7276+00 - PLAN AND PROFILE	SHEET 20 OF 36	
CB0784	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7276+00 TO 7290+00 - PLAN AND PROFILE	SHEET 21 OF 36	
CB0785	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7290+00 TO 7304+00 - PLAN AND PROFILE	SHEET 22 OF 36	
CB0786	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7304+00 TO 7332+00 - PLAN AND PROFILE	SHEET 23 OF 36	
CB0787	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7332+00 TO 7360+00 - PLAN AND PROFILE	SHEET 24 OF 36	
CB0788	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7360+00 TO 7388+00 - PLAN AND PROFILE	SHEET 25 OF 36	
CB0789	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7388+00 TO 7416+00 - PLAN AND PROFILE	SHEET 26 OF 36	
CB0790	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - STA. 7416+00 TO 7431+00 - PLAN AND PROFILE	SHEET 27 OF 36	
~~CB3701~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 28 OF 36~~	
~~CB3702~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 29 OF 36~~	
~~CB3703~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 30 OF 36~~	
~~CB3704~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 31 OF 36~~	
~~CB3705~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 32 OF 36~~	
~~CB3706~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 33 OF 36~~	
~~CB3707~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 34 OF 36~~	
~~CB3708~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 35 OF 36~~	
~~CB3709~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B1 - CROSS SECTIONS~~	~~SHEET 36 OF 36~~	

ALIGNMENT B2 - BAKERSFIELD URBAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0791	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6799+52 TO 7427+00 - KEY MAP	SHEET 1 OF 36	3
CB0792	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6799+52 TO 6828+00 - PLAN AND PROFILE	SHEET 2 OF 36	
CB0793	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6828+00 TO 6856+00 - PLAN AND PROFILE	SHEET 3 OF 36	
CB0794	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6856+00 TO 6884+00 - PLAN AND PROFILE	SHEET 4 OF 36	
CB0795	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6884+00 TO 6912+00 - PLAN AND PROFILE	SHEET 5 OF 36	
CB0796	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6912+00 TO 6940+00 - PLAN AND PROFILE	SHEET 6 OF 36	
CB0797	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6940+00 TO 6968+00 - PLAN AND PROFILE	SHEET 7 OF 36	
CB0798	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6968+00 TO 6996+00 - PLAN AND PROFILE	SHEET 8 OF 36	
CB0799	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 6996+00 TO 7024+00 - PLAN AND PROFILE	SHEET 9 OF 36	
CB0800	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7024+00 TO 7052+00 - PLAN AND PROFILE	SHEET 10 OF 36	
CB0801	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7052+00 TO 7080+00 - PLAN AND PROFILE	SHEET 11 OF 36	
CB0802	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7080+00 TO 7108+00 - PLAN AND PROFILE	SHEET 12 OF 36	
CB0803	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7108+00 TO 7136+00 - PLAN AND PROFILE	SHEET 13 OF 36	
CB0804	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7136+00 TO 7164+00 - PLAN AND PROFILE	SHEET 14 OF 36	
CB0805	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7164+00 TO 7192+00 - PLAN AND PROFILE	SHEET 15 OF 36	
CB0806	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7192+00 TO 7220+00 - PLAN AND PROFILE	SHEET 16 OF 36	
CB0807	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7220+00 TO 7234+00 - PLAN AND PROFILE	SHEET 17 OF 36	
CB0808	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7234+00 TO 7248+00 - PLAN AND PROFILE	SHEET 18 OF 36	
CB0809	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7248+00 TO 7262+00 - PLAN AND PROFILE	SHEET 19 OF 36	
CB0810	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7262+00 TO 7276+00 - PLAN AND PROFILE	SHEET 20 OF 36	

ALIGNMENT B2 - BAKERSFIELD URBAN SUBSECTION CONT'D

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0811	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7276+00 TO 7290+00 - PLAN AND PROFILE	SHEET 21 OF 36	3
CB0812	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7290+00 TO 7304+00 - PLAN AND PROFILE	SHEET 22 OF 36	
CB0813	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7304+00 TO 7332+00 - PLAN AND PROFILE	SHEET 23 OF 36	
CB0814	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7332+00 TO 7360+00 - PLAN AND PROFILE	SHEET 24 OF 36	
CB0815	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7360+00 TO 7388+00 - PLAN AND PROFILE	SHEET 25 OF 36	
CB0816	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7388+00 TO 7416+00 - PLAN AND PROFILE	SHEET 26 OF 36	
CB0817	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - STA. 7416+00 TO 7427+00 - PLAN AND PROFILE	SHEET 27 OF 36	
~~CB3801~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 28 OF 36~~	
~~CB3802~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 29 OF 36~~	
~~CB3803~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 30 OF 36~~	
~~CB3804~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 31 OF 36~~	
~~CB3805~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 32 OF 36~~	
~~CB3806~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 33 OF 36~~	
~~CB3807~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 34 OF 36~~	
~~CB3808~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 35 OF 36~~	
~~CB3809~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B2 - CROSS SECTIONS~~	~~SHEET 36 OF 36~~	

ALIGNMENT B3 - BAKERSFIELD URBAN SUBSECTION

DRAWING No	DRAWING DESCRIPTION	SHEET No.	PART No.
CB0830	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6799+52 TO 7430+62 - KEY MAP	SHEET 1 OF 31	3
CB0831	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6799+52 TO 6828+00 - PLAN AND PROFILE	SHEET 2 OF 31	
CB0832	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6828+00 TO 6856+00 - PLAN AND PROFILE	SHEET 3 OF 31	
CB0833	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6856+00 TO 6884+00 - PLAN AND PROFILE	SHEET 4 OF 31	
CB0834	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6884+00 TO 6912+00 - PLAN AND PROFILE	SHEET 5 OF 31	
CB0835	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6912+00 TO 6940+00 - PLAN AND PROFILE	SHEET 6 OF 31	
CB0836	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6940+00 TO 6968+00 - PLAN AND PROFILE	SHEET 7 OF 31	
CB0837	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6968+00 TO 6996+00 - PLAN AND PROFILE	SHEET 8 OF 31	
CB0838	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 6996+00 TO 7024+00 - PLAN AND PROFILE	SHEET 9 OF 31	
CB0839	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7024+00 TO 7052+00 - PLAN AND PROFILE	SHEET 10 OF 31	
CB0840	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7052+00 TO 7080+00 - PLAN AND PROFILE	SHEET 11 OF 31	
CB0841	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7080+00 TO 7108+00 - PLAN AND PROFILE	SHEET 12 OF 31	
CB0842	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7108+00 TO 7136+00 - PLAN AND PROFILE	SHEET 13 OF 31	
CB0843	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7136+00 TO 7164+00 - PLAN AND PROFILE	SHEET 14 OF 31	
CB0844	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7164+00 TO 7192+00 - PLAN AND PROFILE	SHEET 15 OF 31	
CB0845	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7192+00 TO 7220+00 - PLAN AND PROFILE	SHEET 16 OF 31	
CB0846	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7220+00 TO 7248+00 - PLAN AND PROFILE	SHEET 17 OF 31	
CB0847	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7248+00 TO 7262+00 - PLAN AND PROFILE	SHEET 18 OF 31	
CB0848	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7262+00 TO 7276+00 - PLAN AND PROFILE	SHEET 19 OF 31	
CB0849	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7276+00 TO 7290+00 - PLAN AND PROFILE	SHEET 20 OF 31	
CB0850	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7290+00 TO 7304+00 - PLAN AND PROFILE	SHEET 21 OF 31	
CB0851	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7304+00 TO 7332+00 - PLAN AND PROFILE	SHEET 22 OF 31	
CB0852	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7332+00 TO 7360+00 - PLAN AND PROFILE	SHEET 23 OF 31	
CB0853	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7360+00 TO 7388+00 - PLAN AND PROFILE	SHEET 24 OF 31	
CB0854	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7388+00 TO 7416+00 - PLAN AND PROFILE	SHEET 25 OF 31	
CB0855	BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - STA 7416+00 TO 7430+62 - PLAN AND PROFILE	SHEET 26 OF 31	
~~CB3820~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - CROSS SECTIONS~~	~~SHEET 27 OF 31~~	
~~CB3821~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - CROSS SECTIONS~~	~~SHEET 28 OF 31~~	
~~CB3822~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - CROSS SECTIONS~~	~~SHEET 29 OF 31~~	
~~CB3823~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - CROSS SECTIONS~~	~~SHEET 30 OF 31~~	
~~CB3824~~	~~BAKERSFIELD URBAN SUBSECTION - ALIGNMENT B3 - CROSS SECTIONS~~	~~SHEET 31 OF 31~~	

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY P. TONKIN
DRAWN BY P. LEES
CHECKED BY A. BRUNDAGE
IN CHARGE R. COFFIN
DATE 12/31/13

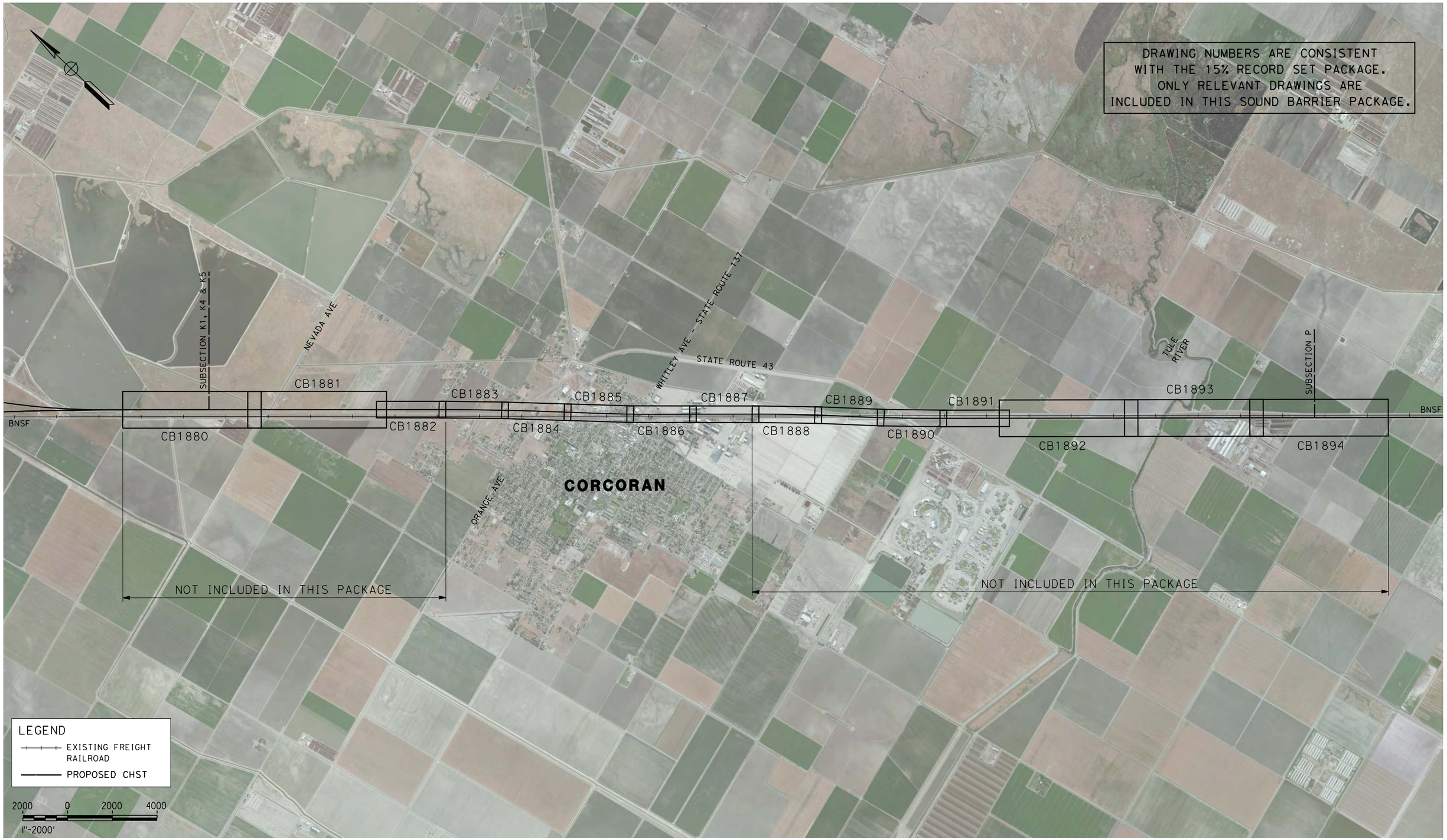
DRAFT 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

CONTRACT NO. HSR 06-0003
DRAWING NO. CB0021
SCALE NO SCALE
SHEET NO. X OF XX



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA. 2601+64 TO 3096+00
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1870
SCALE AS SHOWN
SHEET NO. 1 OF 22

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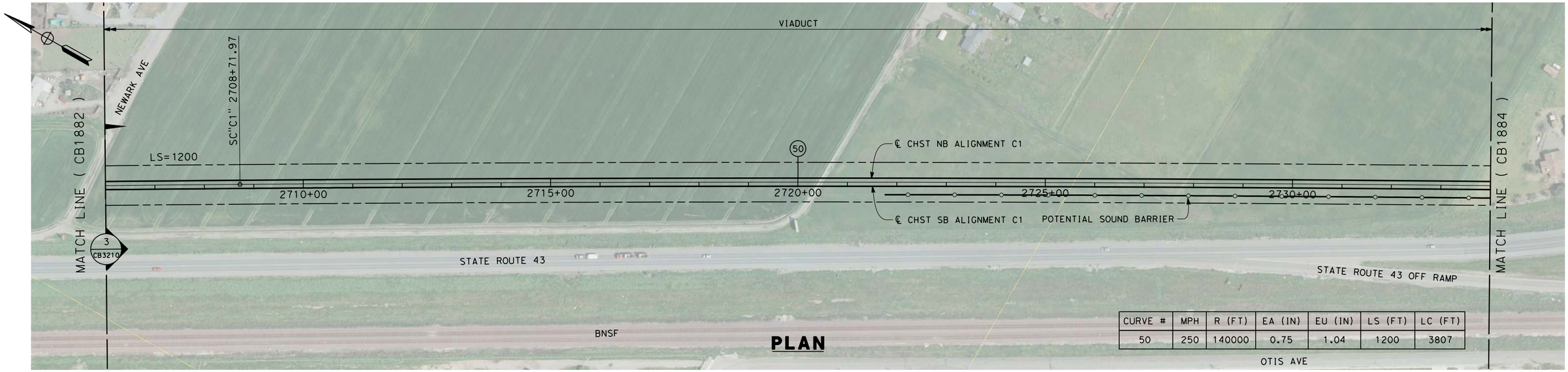

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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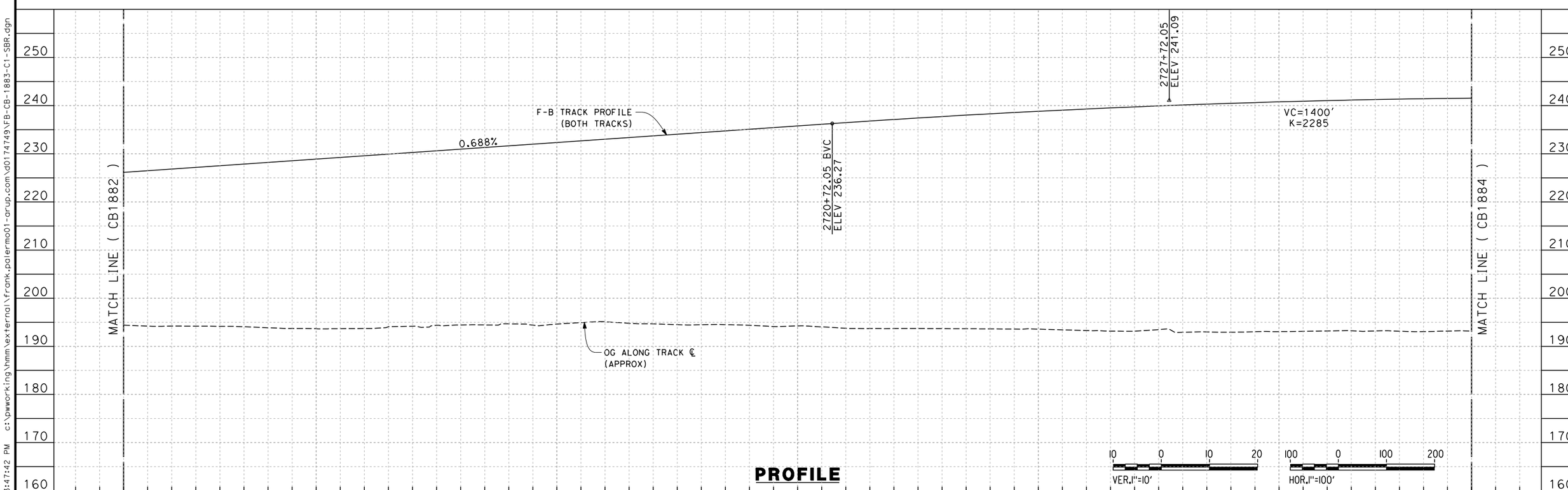
PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA 2706+00 TO 2734+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1883
SCALE AS SHOWN
SHEET NO. 5 OF 22

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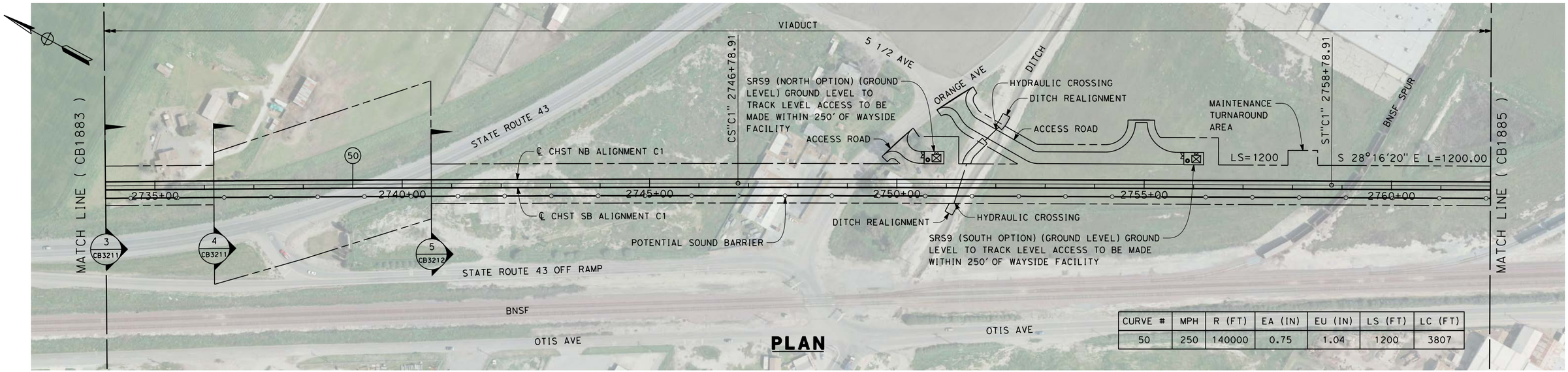

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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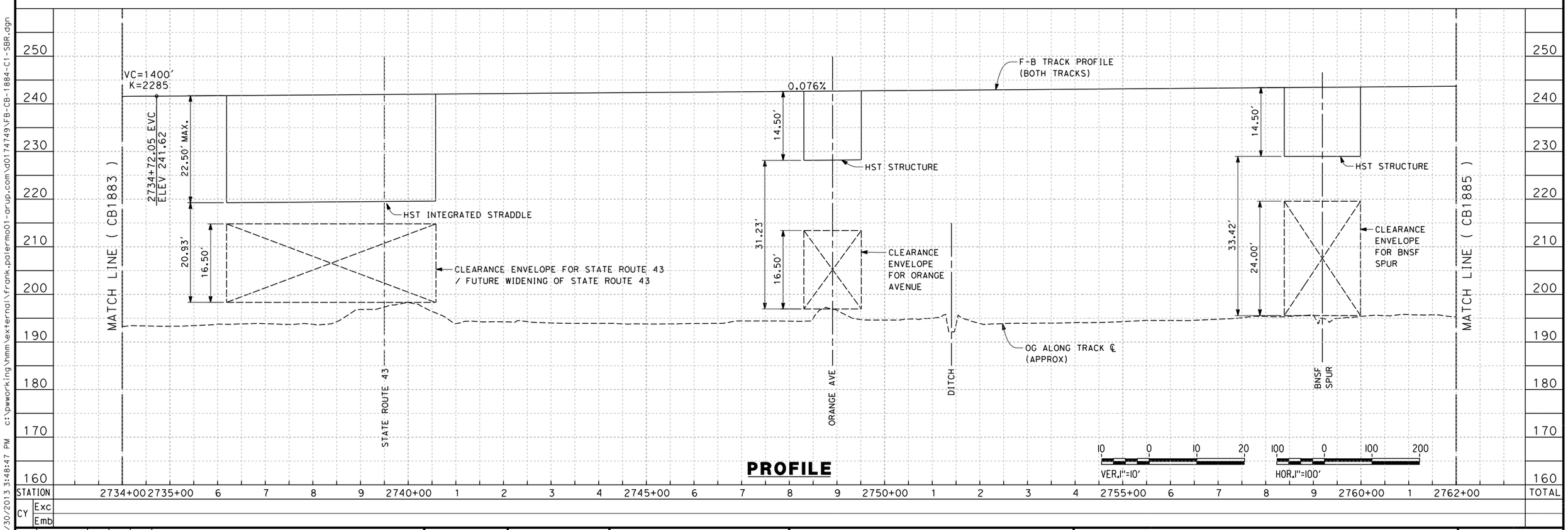
PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA 2734+00 TO 2762+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1884
SCALE AS SHOWN
SHEET NO. 6 OF 22

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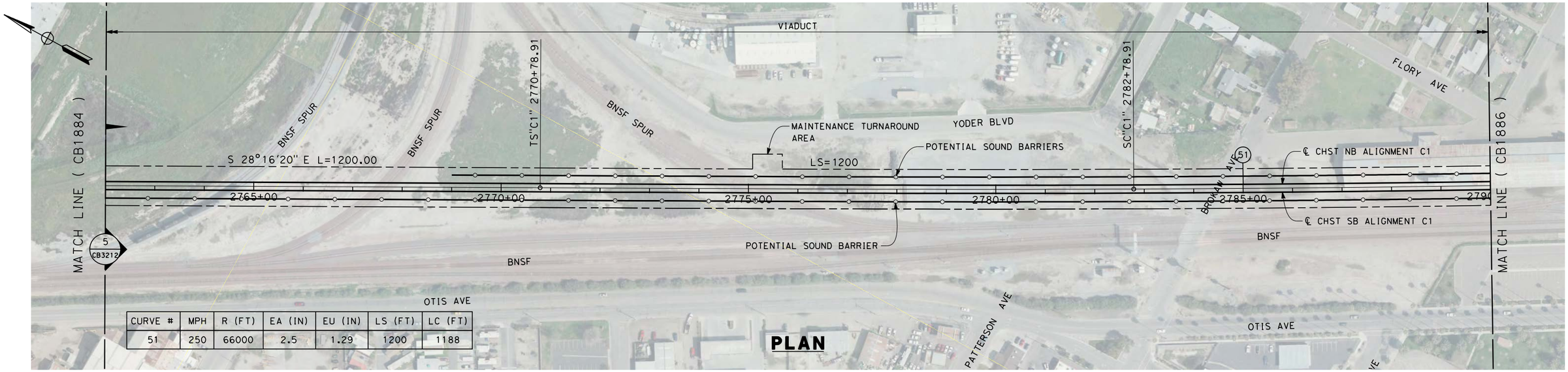

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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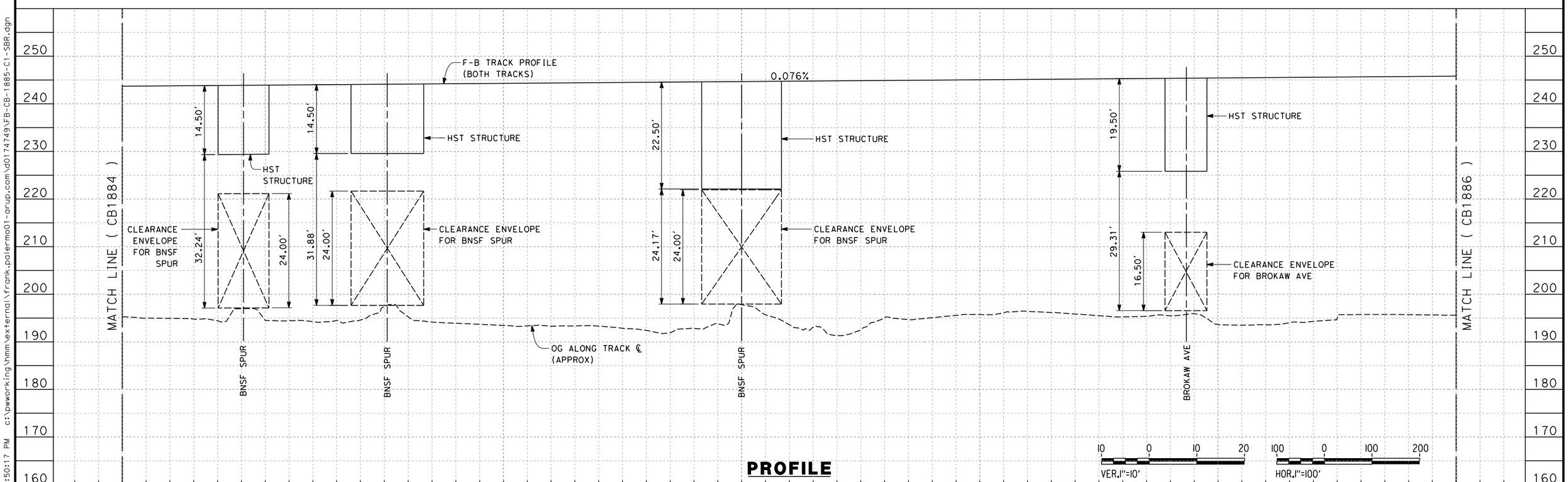
PLAN



PROFILE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA 2762+00 TO 2790+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1885
SCALE AS SHOWN
SHEET NO. 7 OF 22

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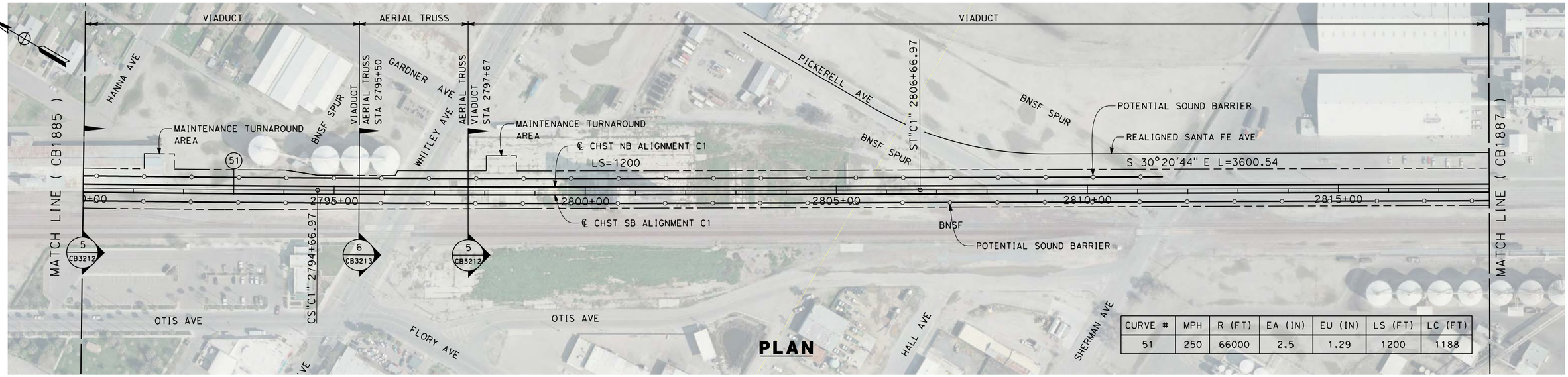
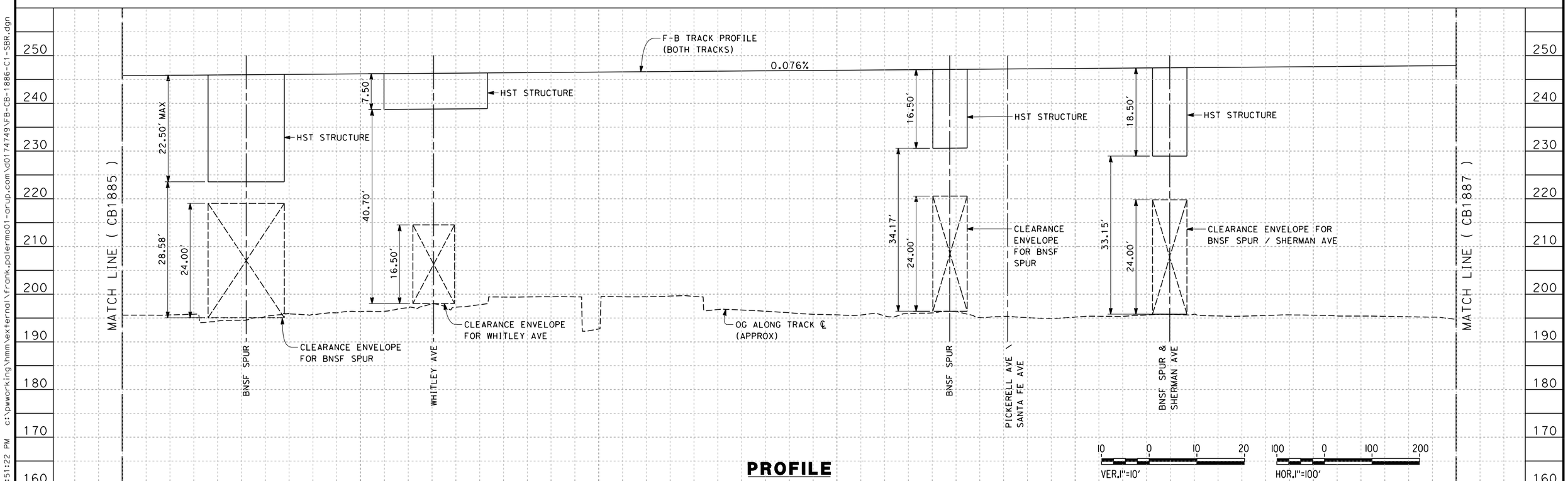


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
51	250	66000	2.5	1.29	1200	1188

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA 2790+00 TO 2818+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1886
SCALE AS SHOWN
SHEET NO. 8 OF 22

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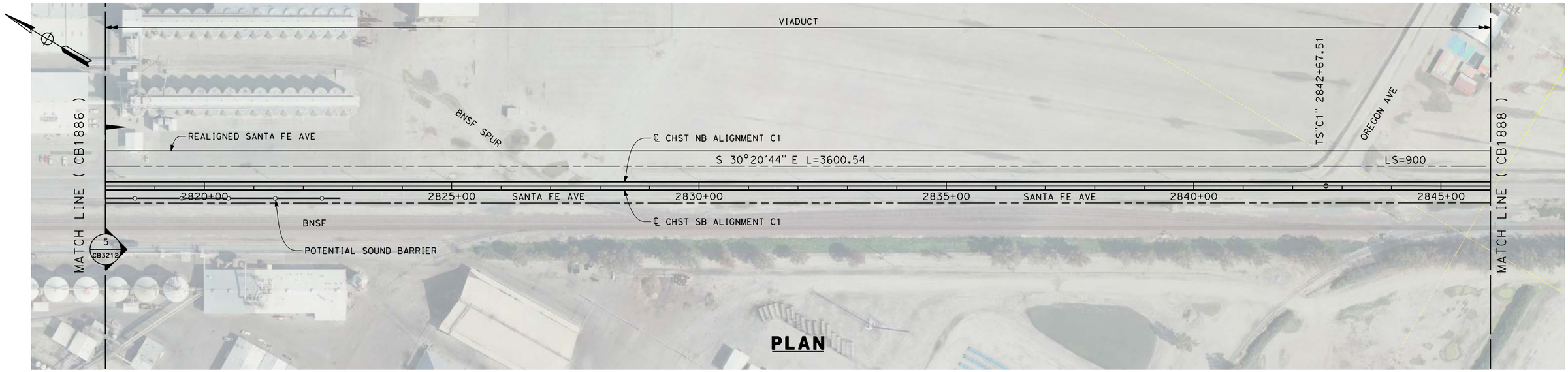

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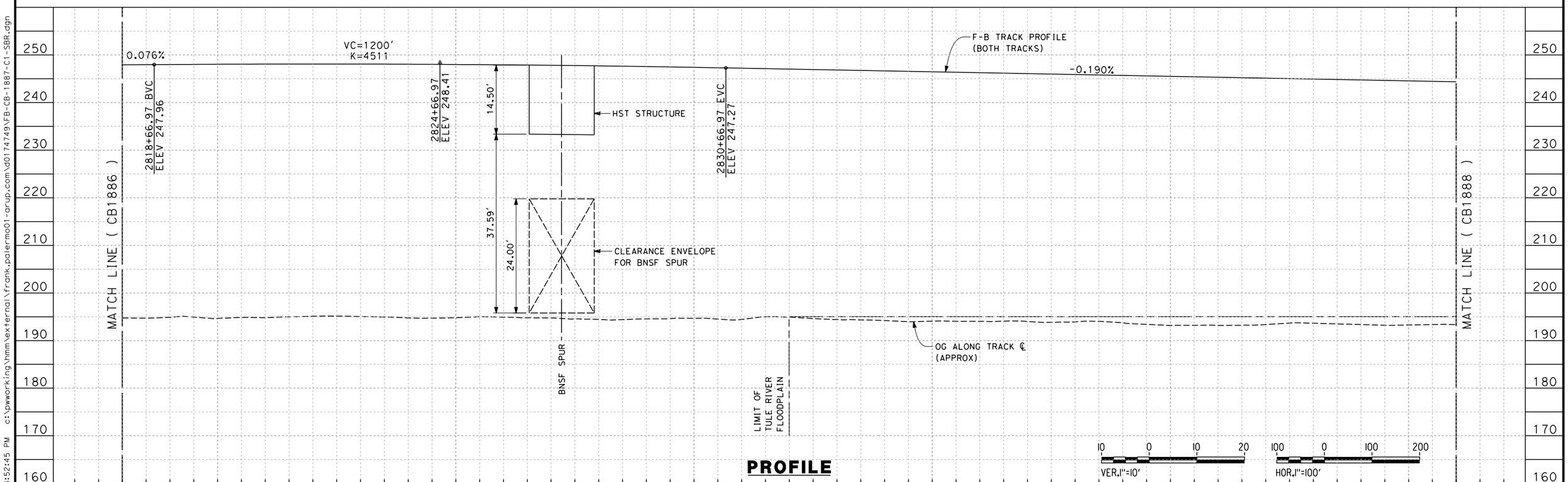

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. RAYNOR
DRAWN BY P. TONKIN
CHECKED BY K.SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C1
STA 2818+00 TO 2846+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1887
SCALE AS SHOWN
SHEET NO. 9 OF 22

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2634+48 TO 3096+00
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1900
SCALE AS SHOWN
SHEET NO. 1 OF 20

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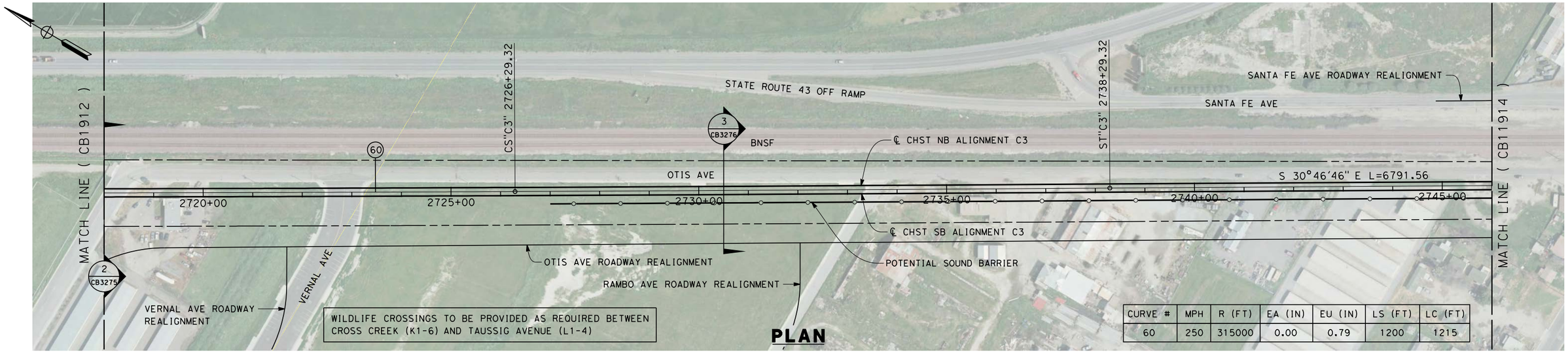

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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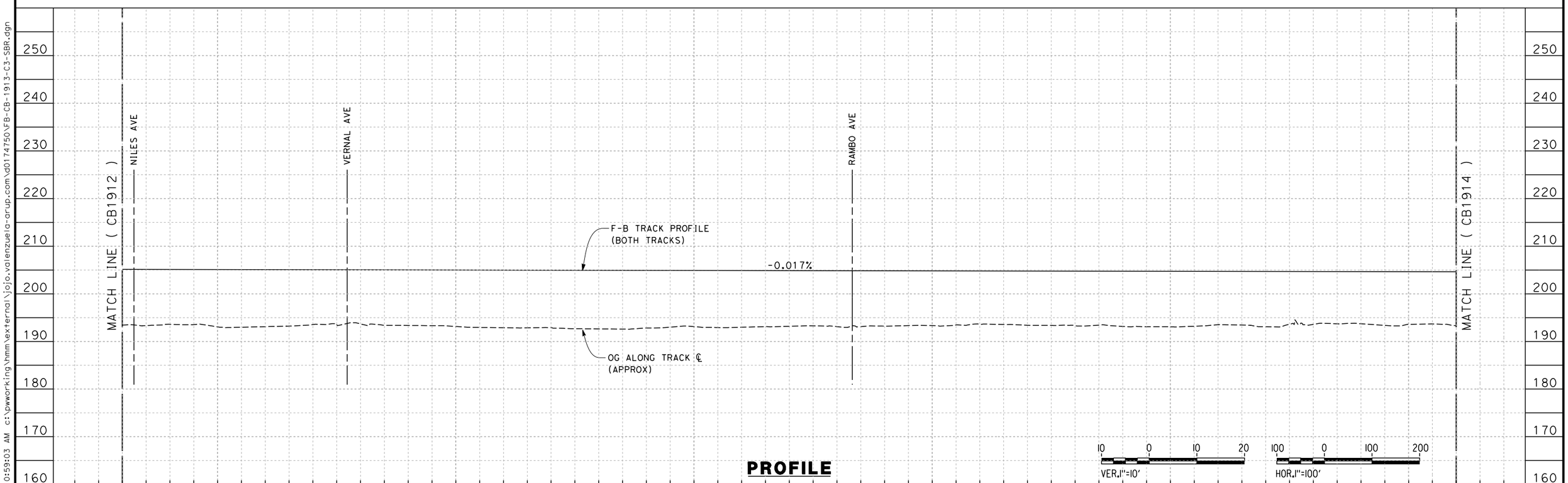
PLAN



PROFILE

STATION	2718+00	9	2720+00	1	2	3	4	2725+00	6	7	8	9	2730+00	1	2	3	4	2735+00	6	7	8	9	2740+00	1	2	3	4	2745+00	2746+00	TOTAL
CY Exc																														
CY Emb																														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2718+00 TO 2746+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1913
SCALE AS SHOWN
SHEET NO. 4 OF 20

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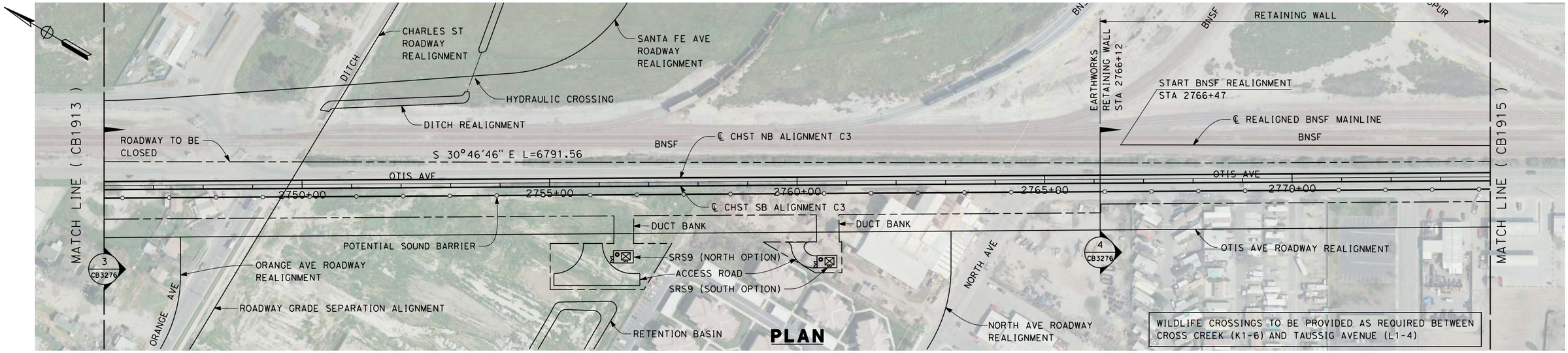

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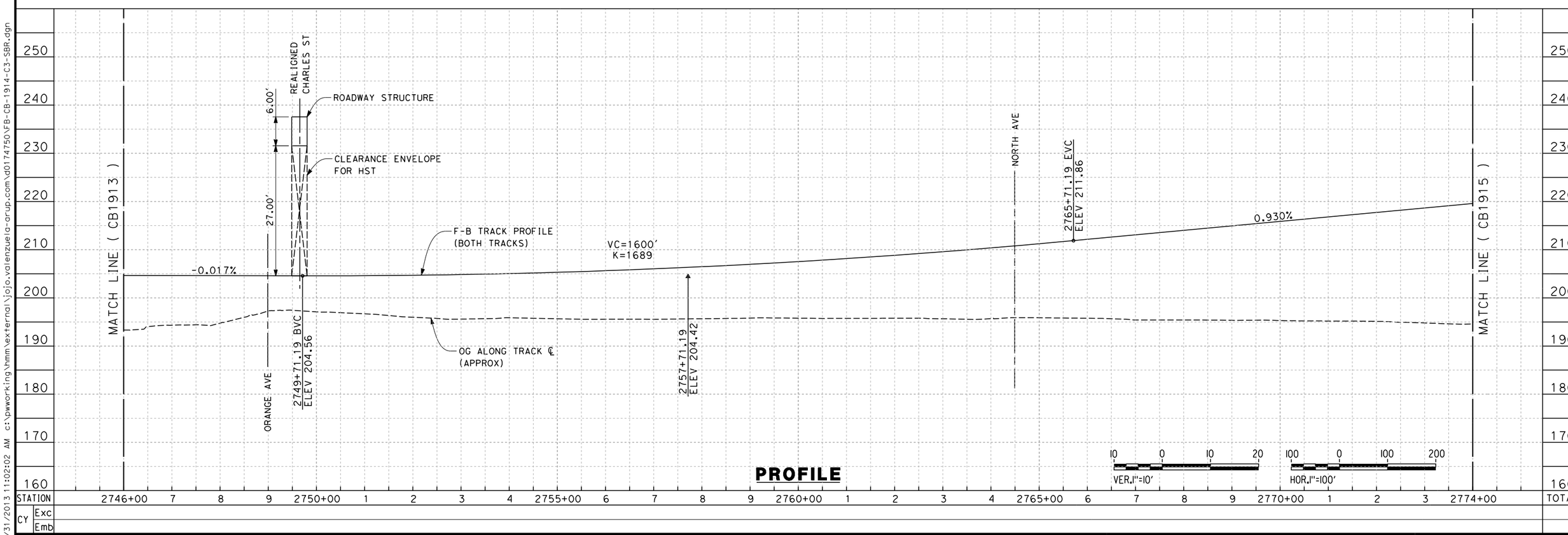

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2746+00 TO 2774+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1914
SCALE AS SHOWN
SHEET NO. 5 OF 20

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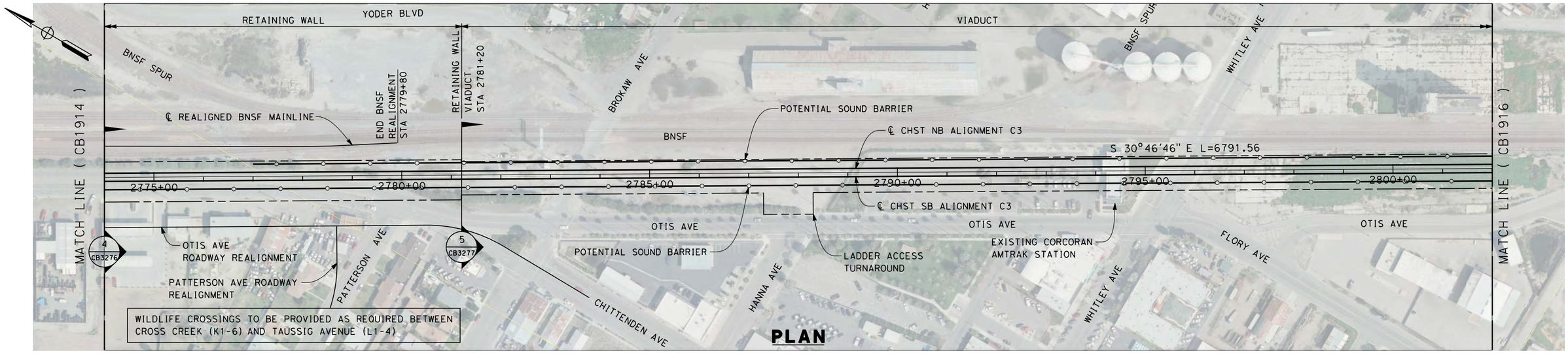

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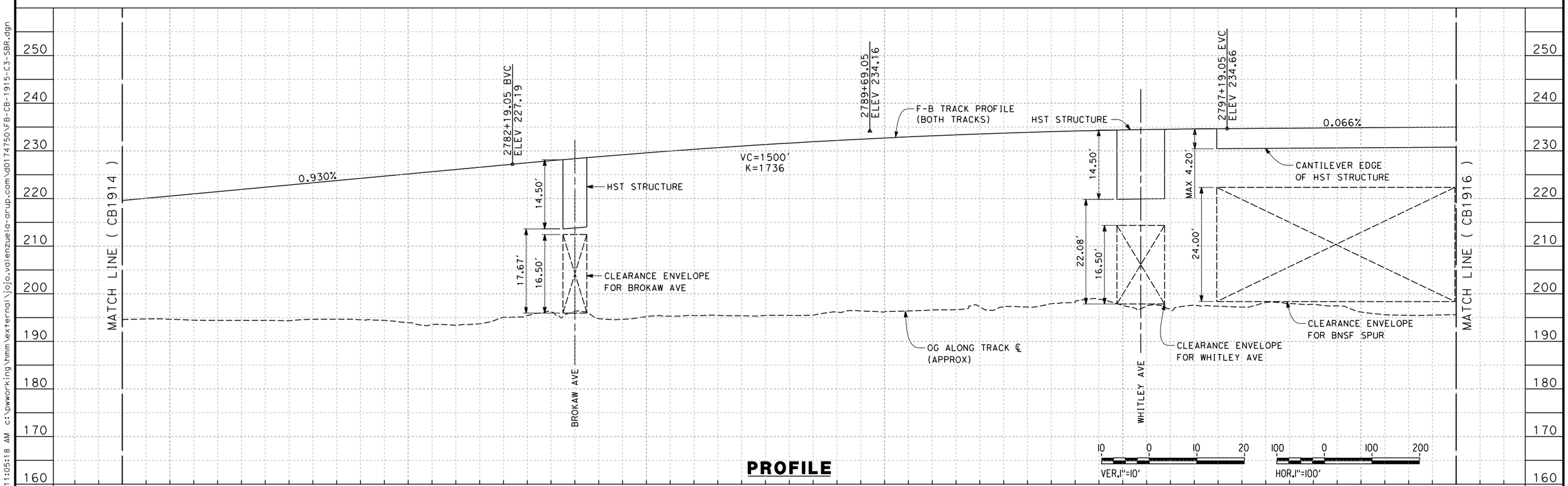


PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

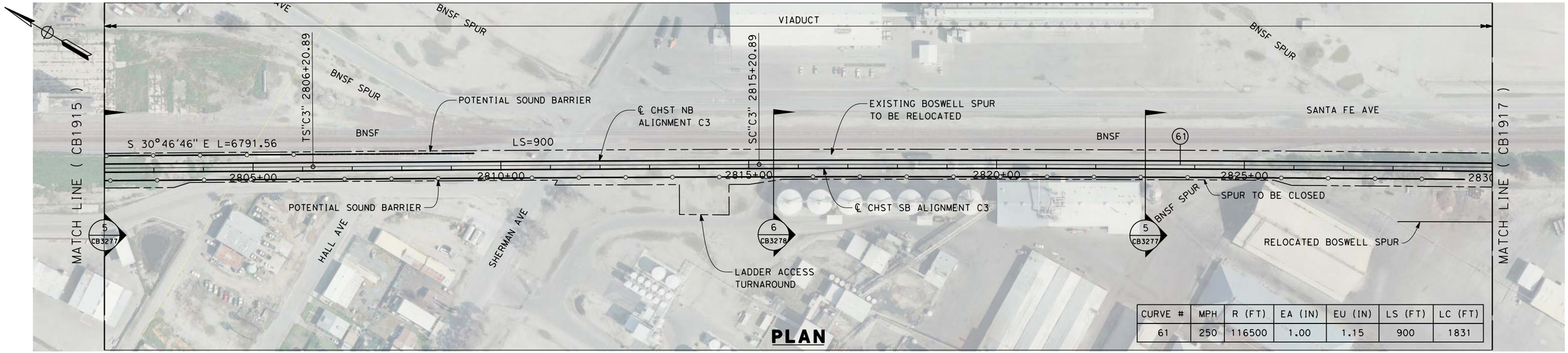
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2774+00 TO 2802+00
PROPOSED SOUND BARRIER

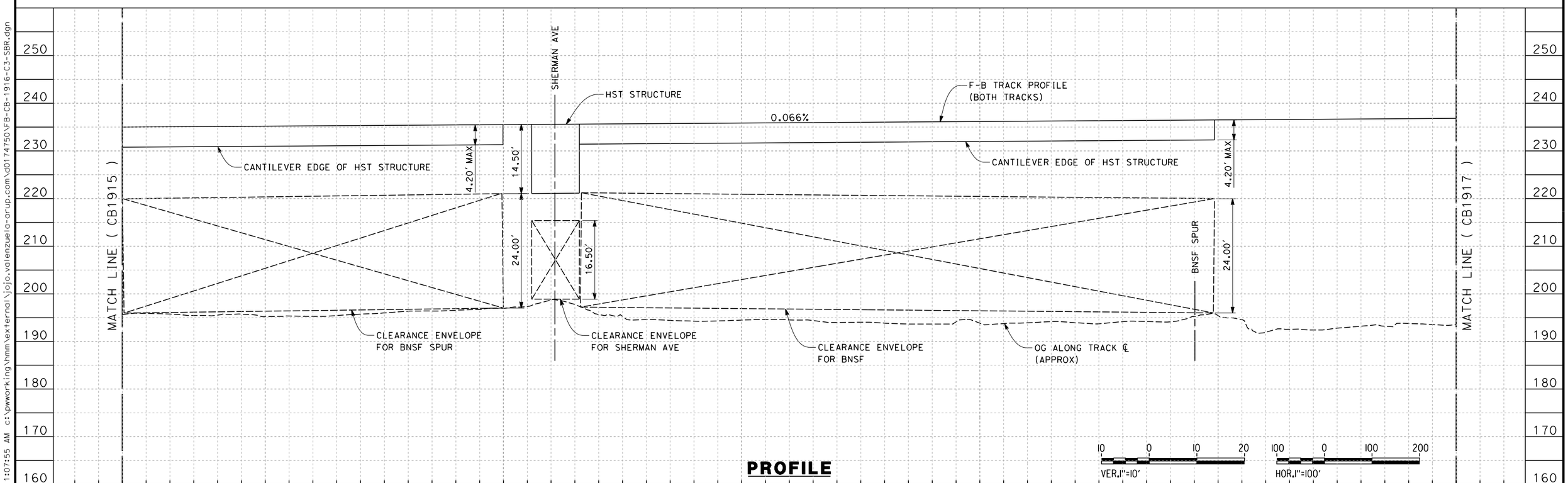
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1915
SCALE AS SHOWN
SHEET NO. 6 OF 20

jojo.valenzuela 12/31/2013 11:05:18 AM c:\pwworking\hmm\external\jojo.valenzuela-arup.com\d0174750\FB-CB-1915-C3-SBR.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
61	250	116500	1.00	1.15	900	1831

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C3
STA. 2802+00 TO 2830+00
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1916
SCALE AS SHOWN
SHEET NO. 7 OF 20

jojo.valenzuela 12/31/2013 11:07:55 AM c:\pwworking\hmm\external\jojo.valenzuela-arup.com\d0174750\FB-CB-1916-C3-SBR.dgn

DRAWING NUMBERS ARE CONSISTENT WITH THE 15% RECORD SET PACKAGE. ONLY RELEVANT DRAWINGS ARE INCLUDED IN THIS SOUND BARRIER PACKAGE.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

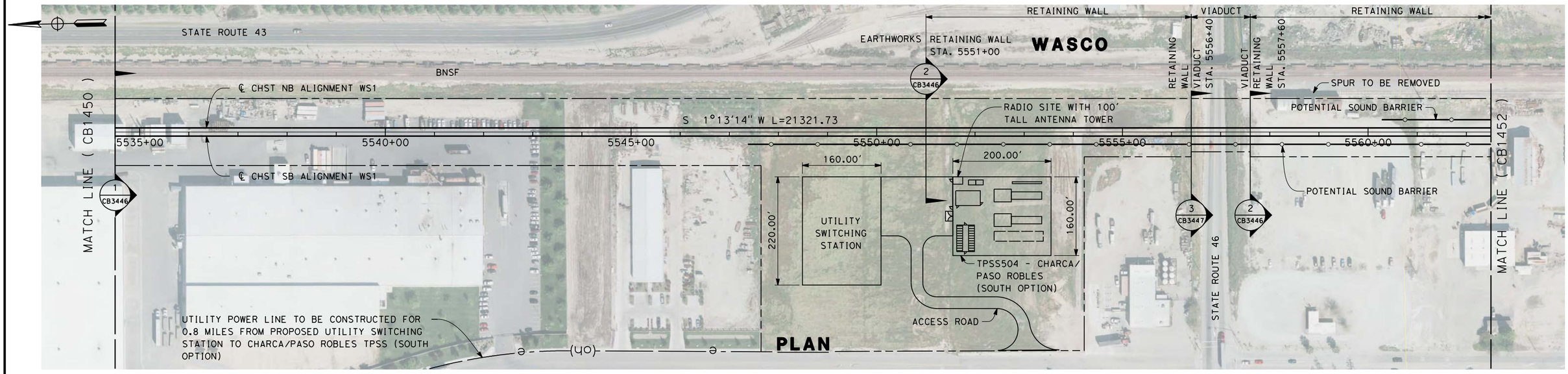
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

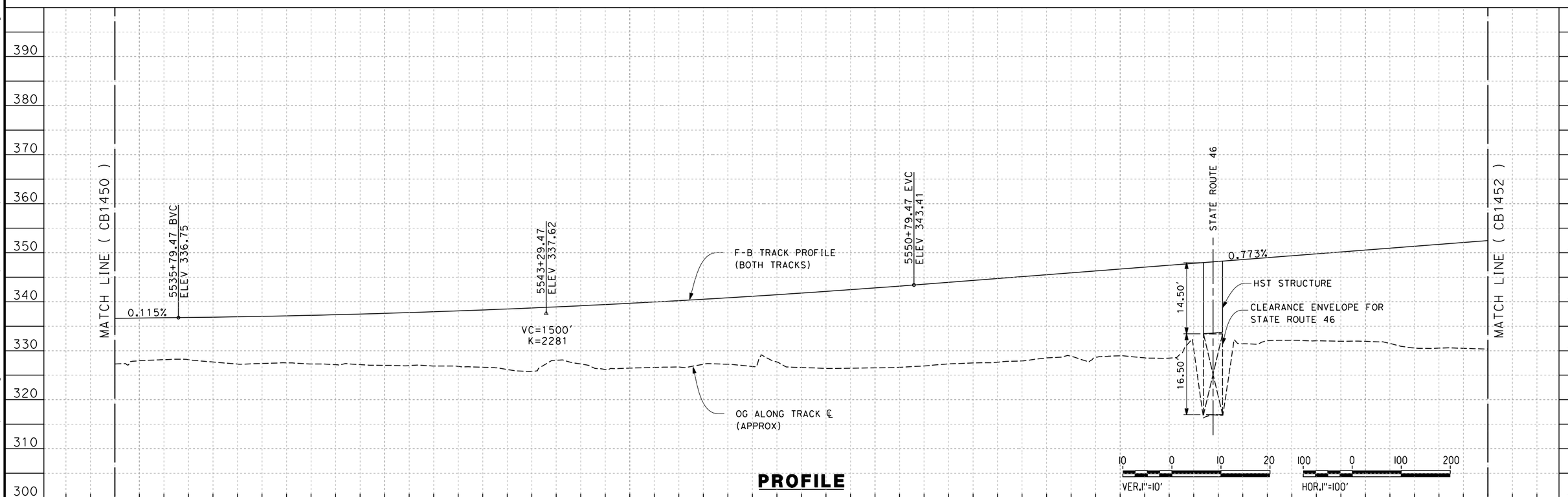
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5422+50 TO 6511+97
KEYPLAN

CONTRACT NO. HSR-06-0003
DRAWING NO. CB1448
SCALE AS SHOWN
SHEET NO. 1 OF 35

nadine.hutton 12/30/2013 5:44:33 PM c:\pwworking\hmm\external\nadine.hutton-arup.com\d0174751\FB-CB-1448-WS1-SBR.dgn





REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5534+50 TO 5562+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1451
SCALE AS SHOWN
SHEET NO. 4 OF 35

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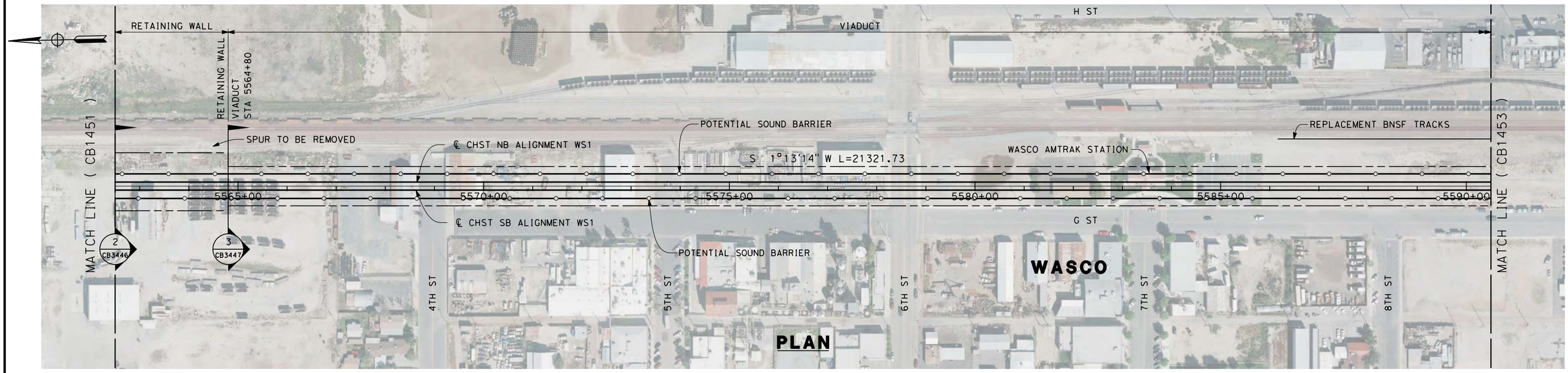

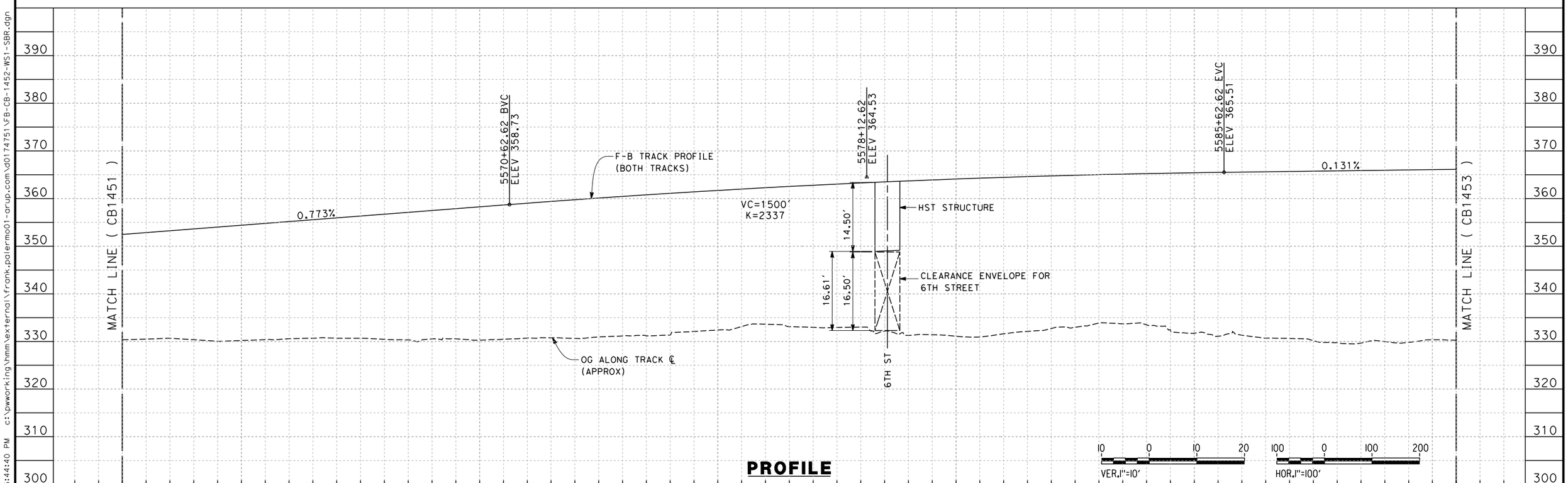

STATION	5562+50	3	4	5565+00	6	7	8	9	5570+00	1	2	3	4	5575+00	6	7	8	9	5580+00	1	2	3	4	5585+00	6	7	8	9	5590+00	5590+50	TOTAL
CY Exc																															
CY Emb																															

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S.LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5562+50 TO 5590+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1452
SCALE AS SHOWN
SHEET NO. 5 OF 35

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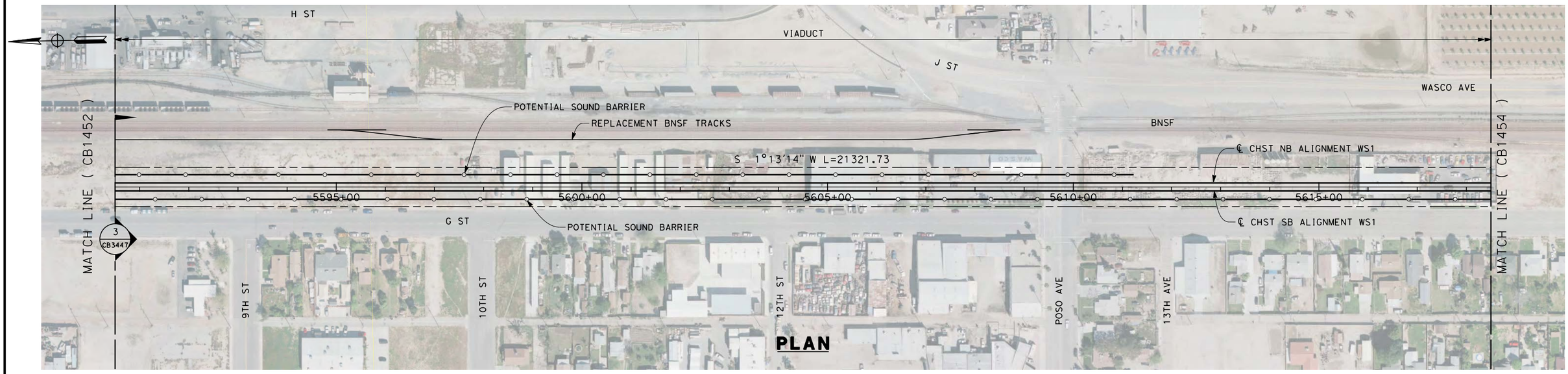
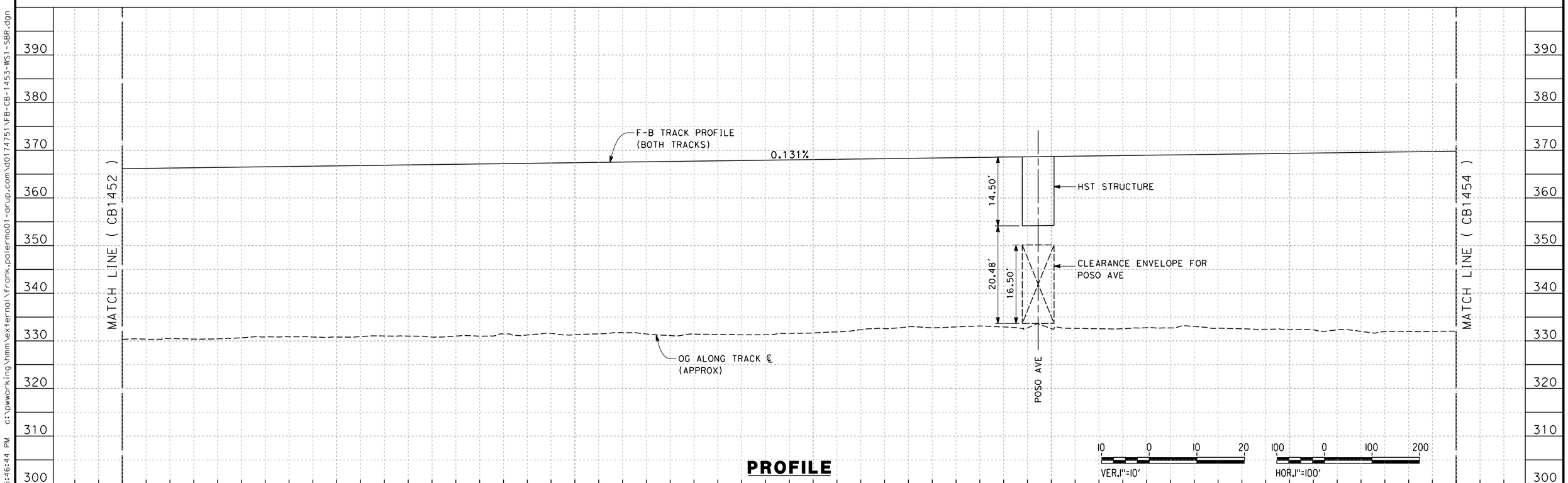


PLAN



PROFILE

STATION	5590+50	1	2	3	4	5595+00	6	7	8	9	5600+00	1	2	3	4	5605+00	6	7	8	9	5610+00	1	2	3	4	5615+00	6	7	8	5618+50	TOTAL
CY Exc																															
CY Emb																															

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5590+50 TO 5618+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1453
SCALE AS SHOWN
SHEET NO. 6 OF 35

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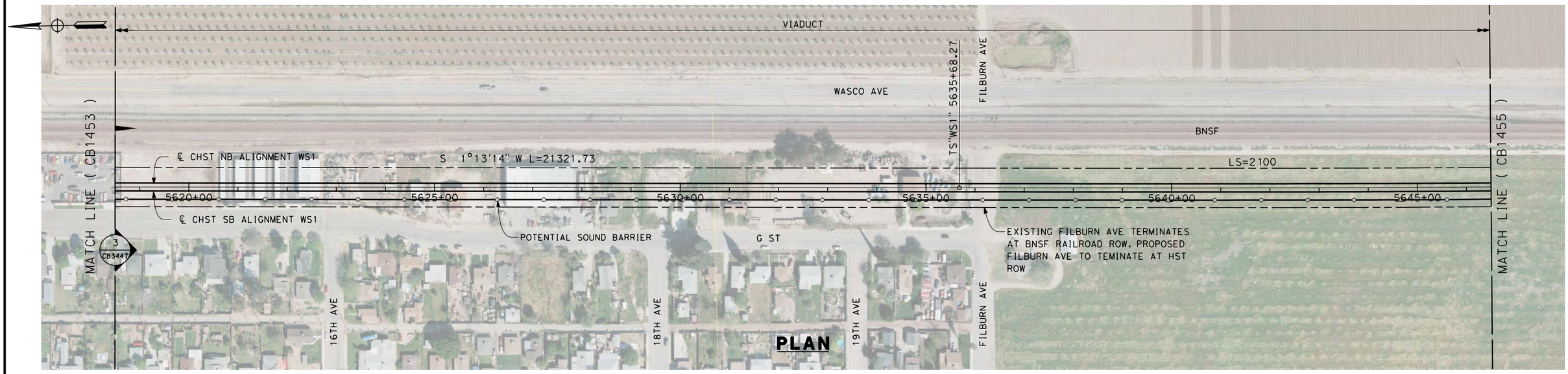
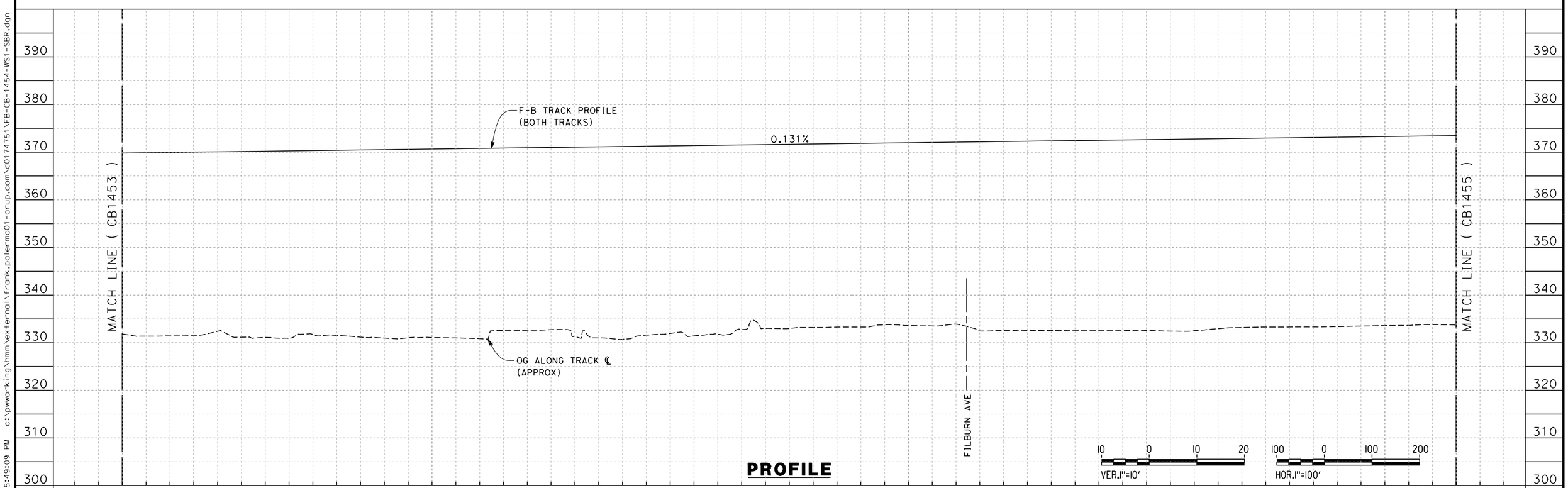




REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

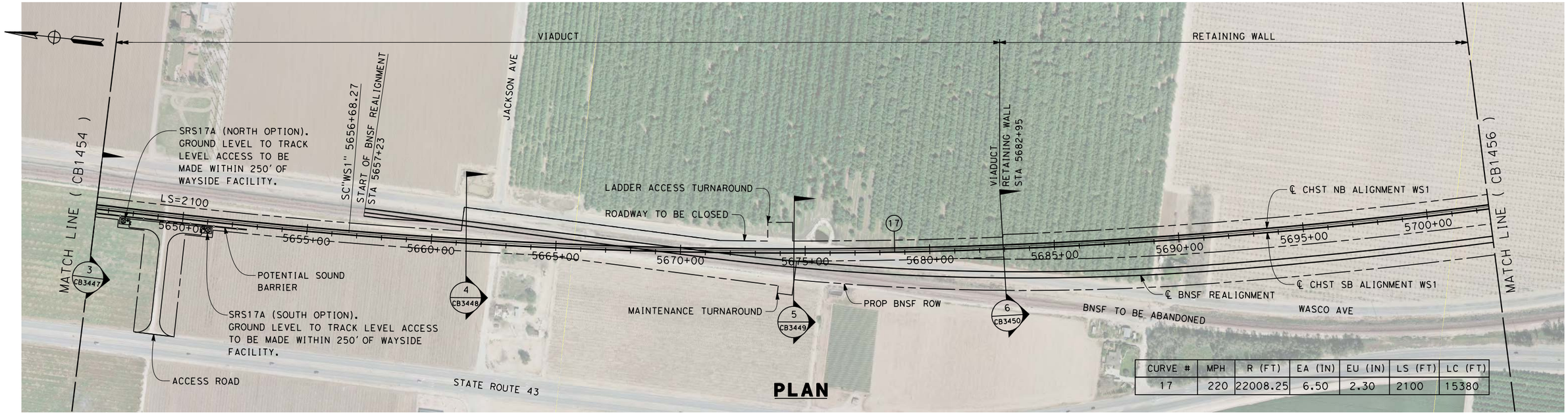
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5618+50 TO 5646+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1454
SCALE AS SHOWN
SHEET NO. 7 OF 35

frank.palermo 12/30/2013 5:49:09 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1454-WS1-SBR.dgn



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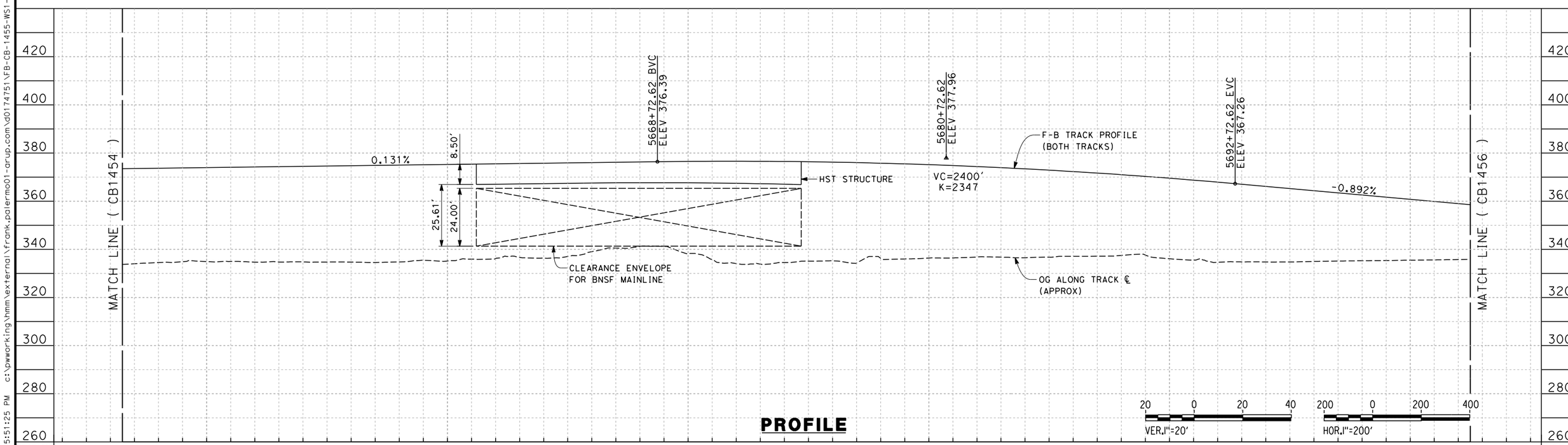
PLAN



PROFILE

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

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

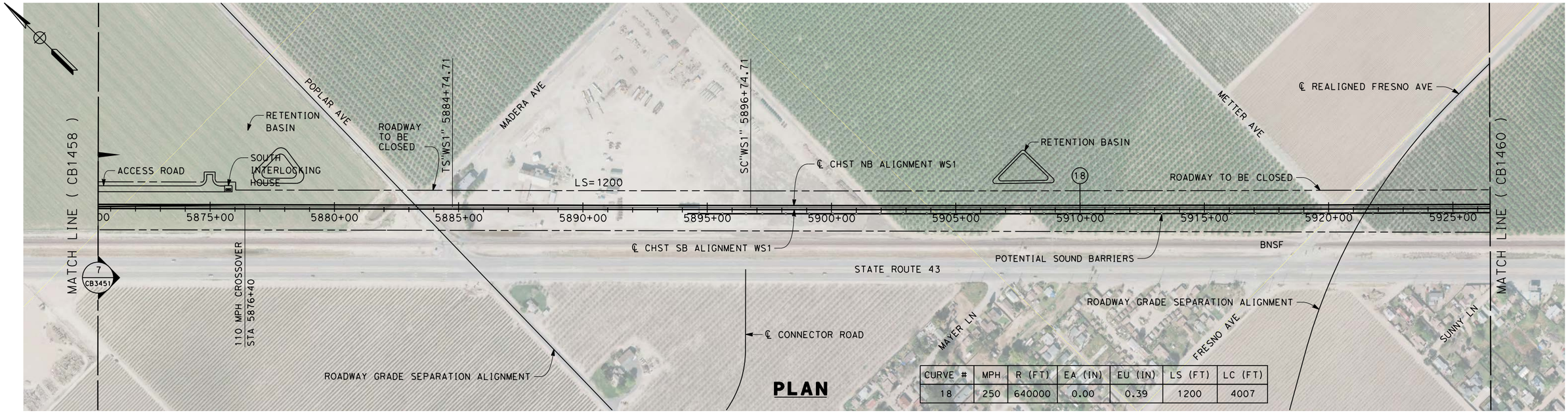
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5646+50 TO 5702+50
PROPOSED SOUND BARRIER

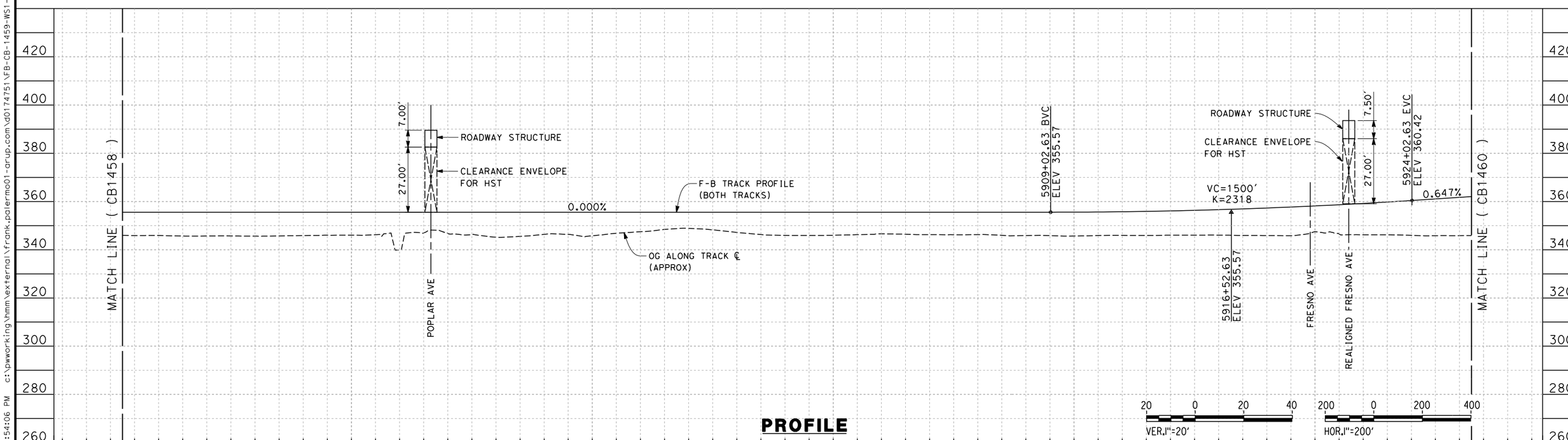
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1455
SCALE AS SHOWN
SHEET NO. 8 OF 35

frank.palermo 12/30/2013 5:51:25 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1455-WS1-SBR.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
18	250	640000	0.00	0.39	1200	4007

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

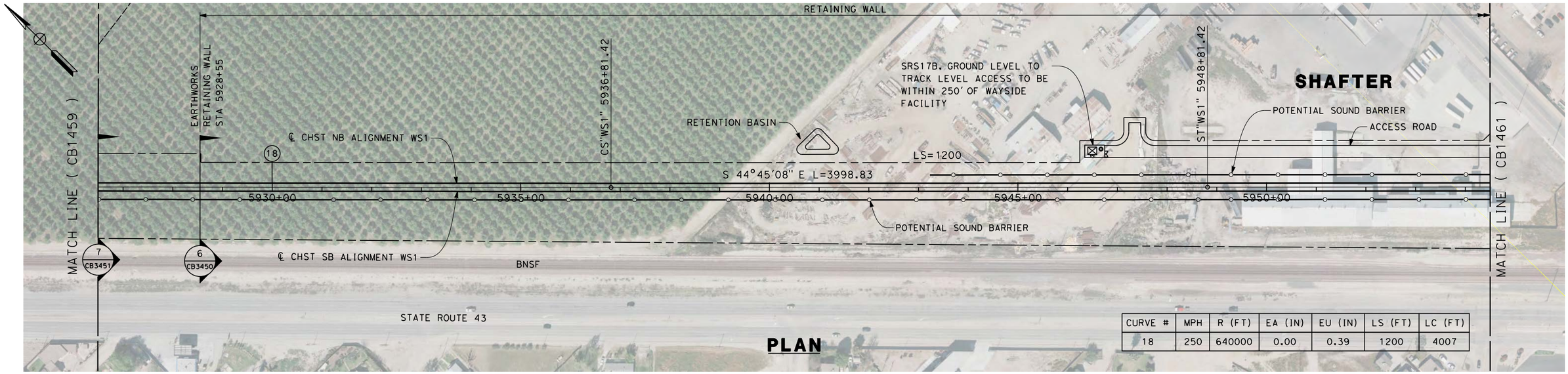
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5870+50 TO 5926+50
PROPOSED SOUND BARRIER

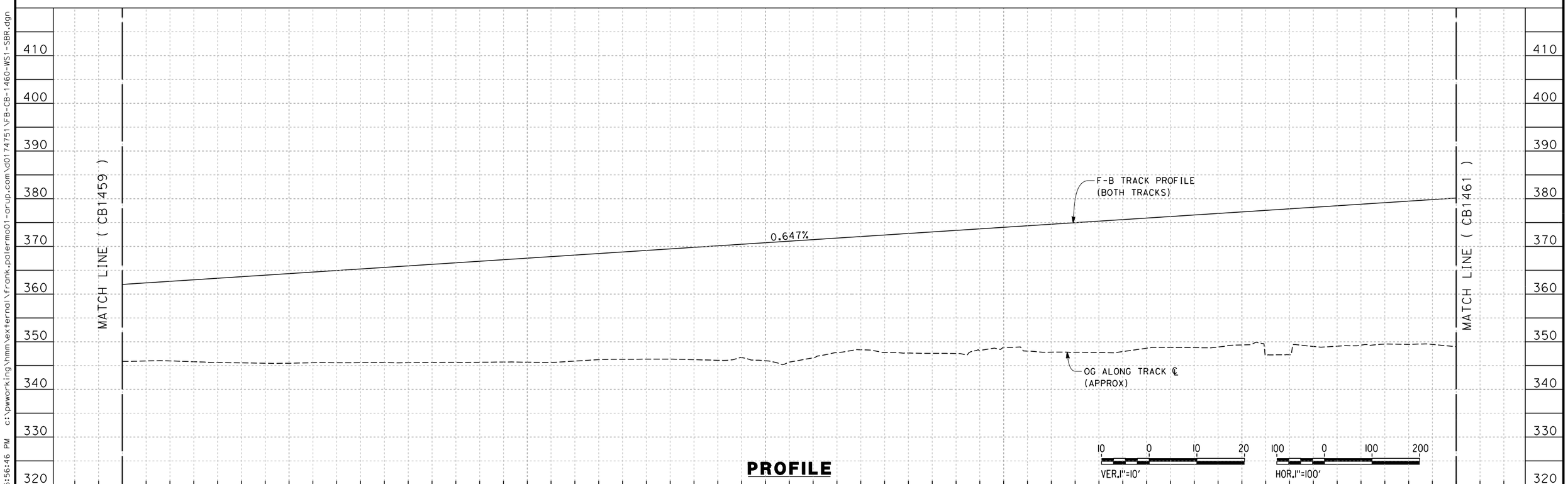
CONTRACT NO. HSR 06-0003
DRAWING NO. CB1459
SCALE AS SHOWN
SHEET NO. 12 OF 35

frank.palermo 12/30/2013 5:54:06 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1459-WS1-SBR.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
18	250	640000	0.00	0.39	1200	4007

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5926+50 TP 5954+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1460
SCALE AS SHOWN
SHEET NO. 13 OF 35

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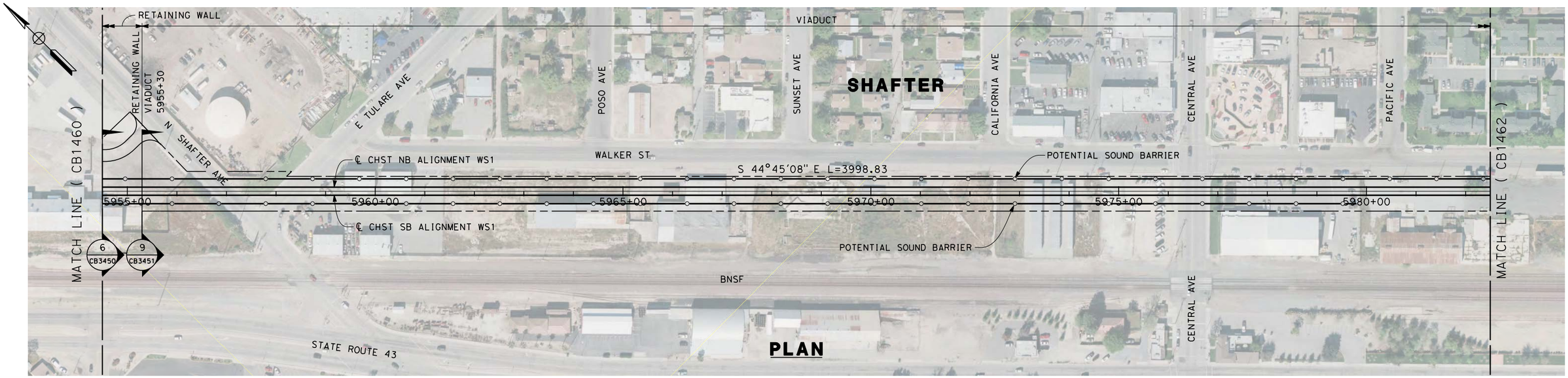

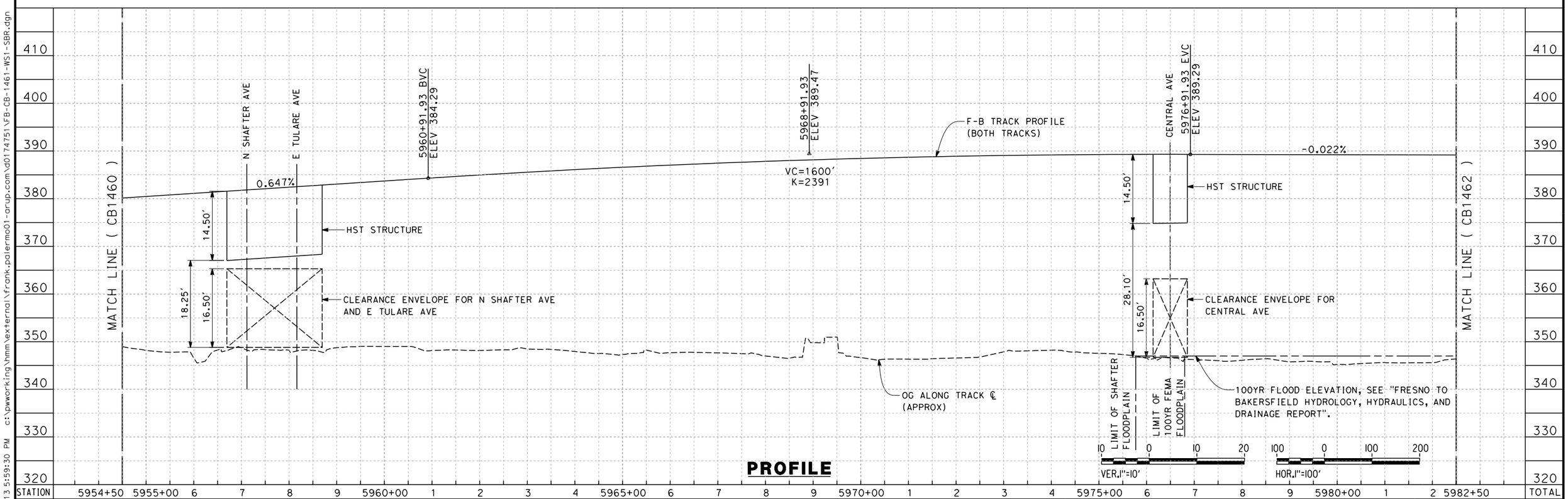

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5954+50 TP 5982+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1461
SCALE AS SHOWN
SHEET NO. 14 OF 35

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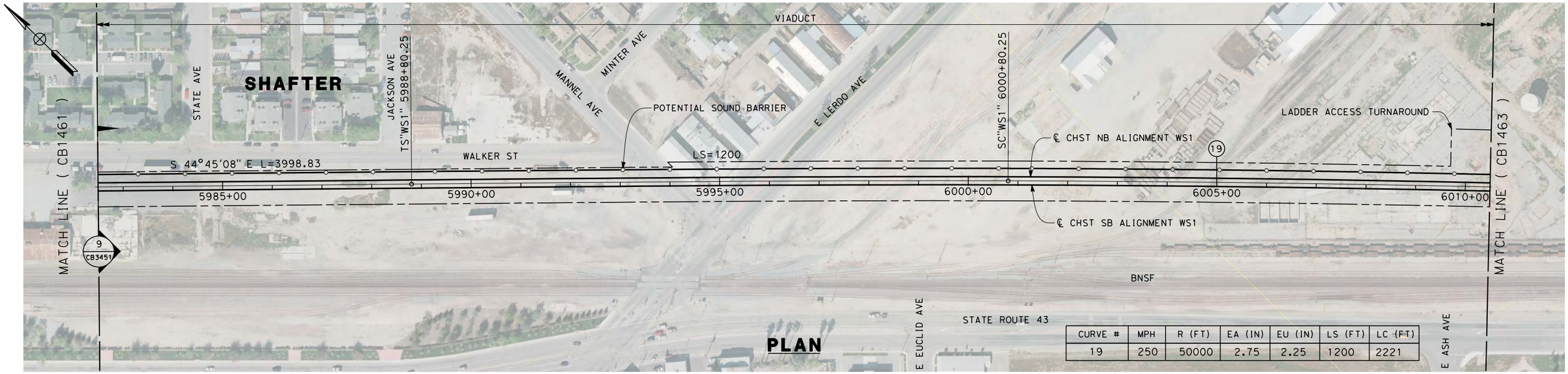
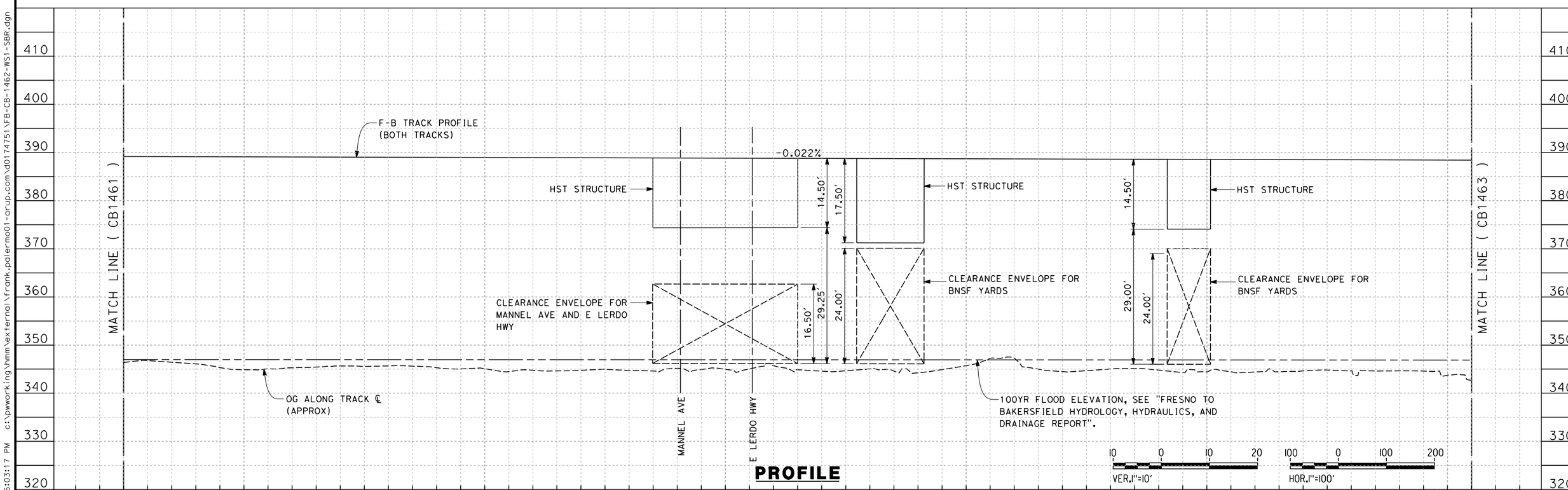


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
19	250	50000	2.75	2.25	1200	2221



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 5982+50 TO 6010+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1462
SCALE AS SHOWN
SHEET NO. 15 OF 35

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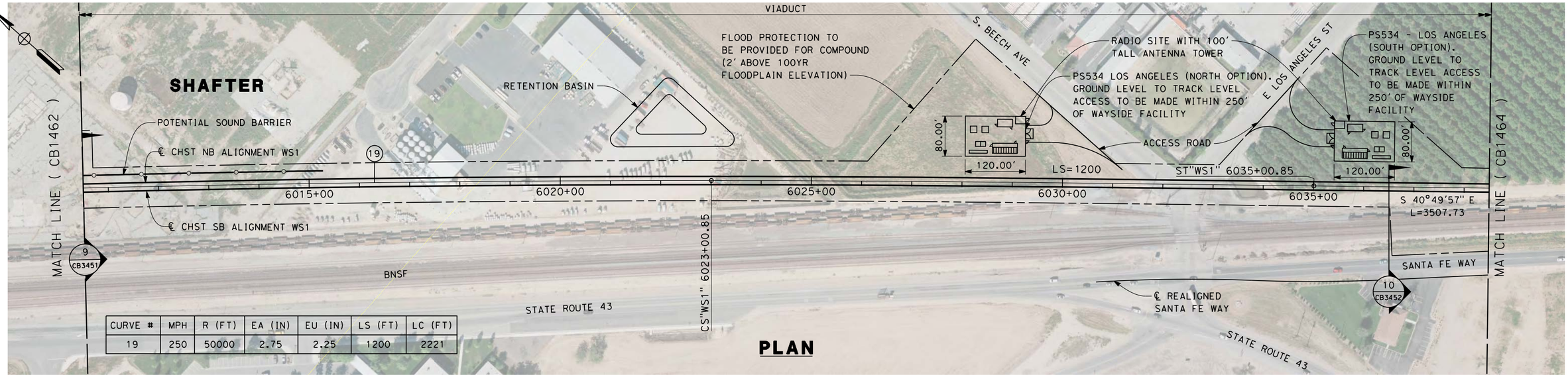
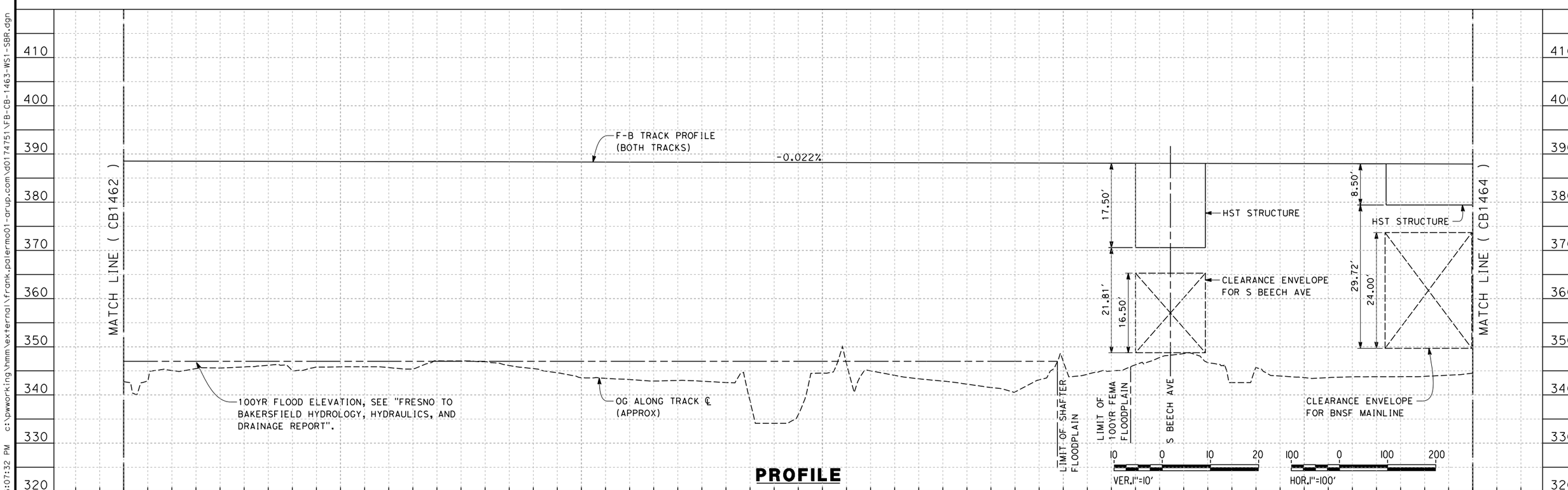


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
19	250	50000	2.75	2.25	1200	2221

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

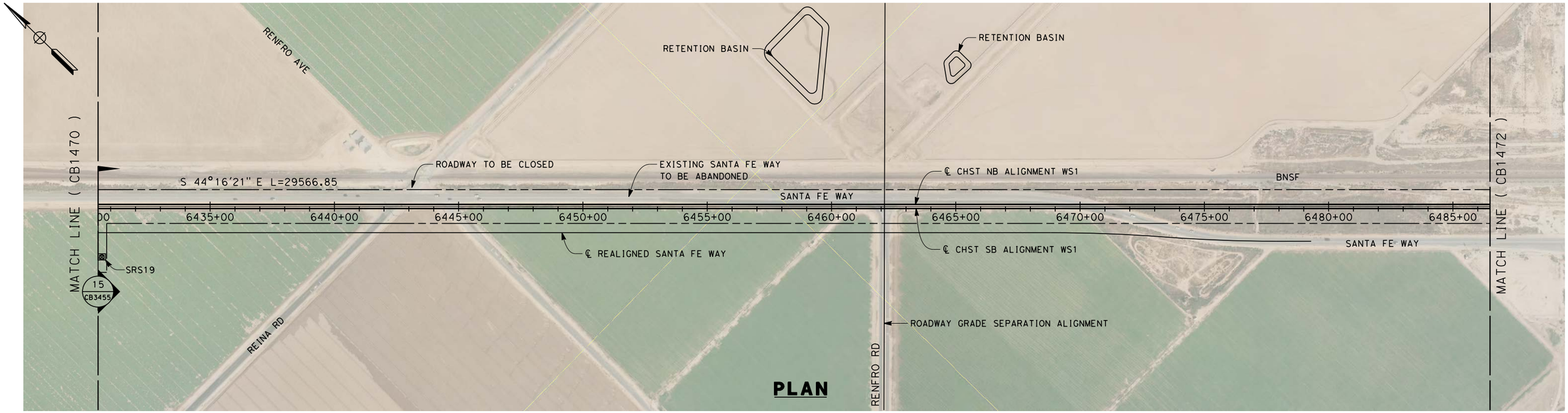
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

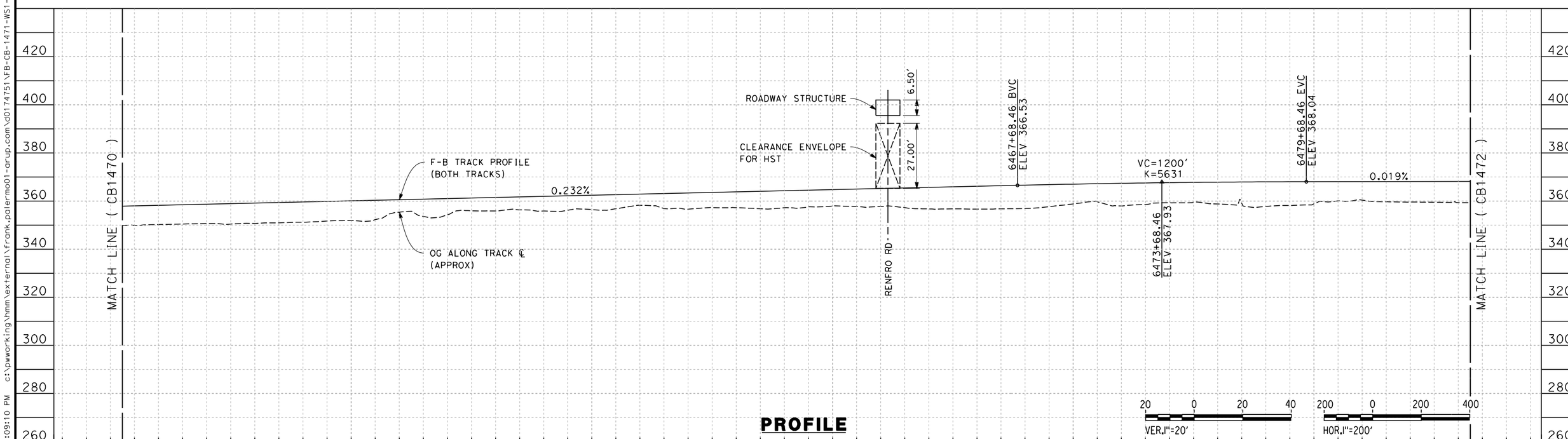
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6010+50 TO 6038+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1463
SCALE AS SHOWN
SHEET NO. 16 OF 35

frank.palermo 12/30/2013 6:07:32 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1463-WS1-SBR.dgn





STATION	6430+50	6440+00	6450+00	6460+00	6470+00	6480+00	6486+50	TOTAL
CY Exc								
CY Emb								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

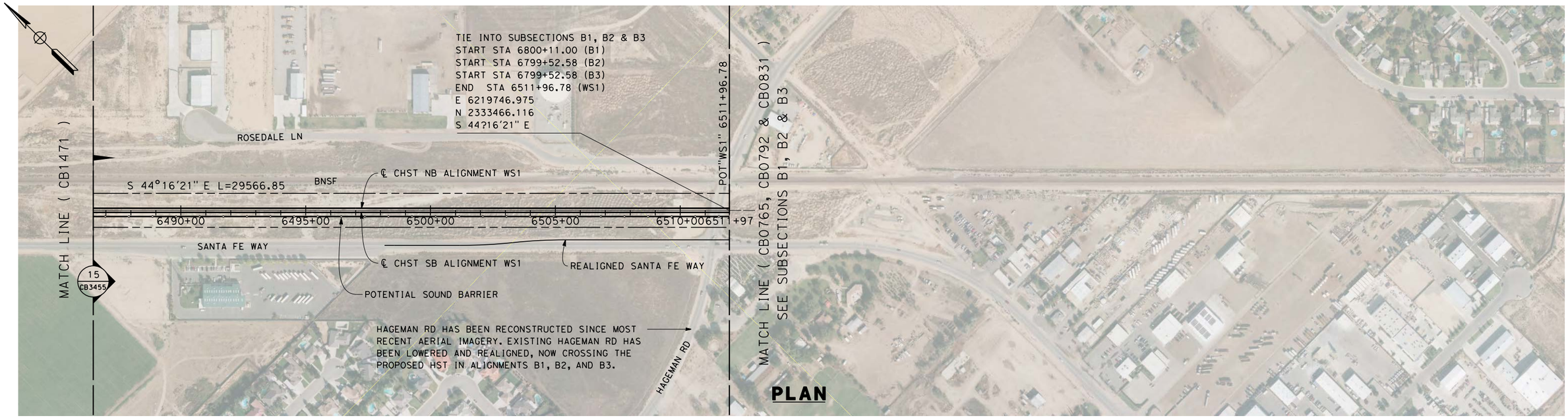
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

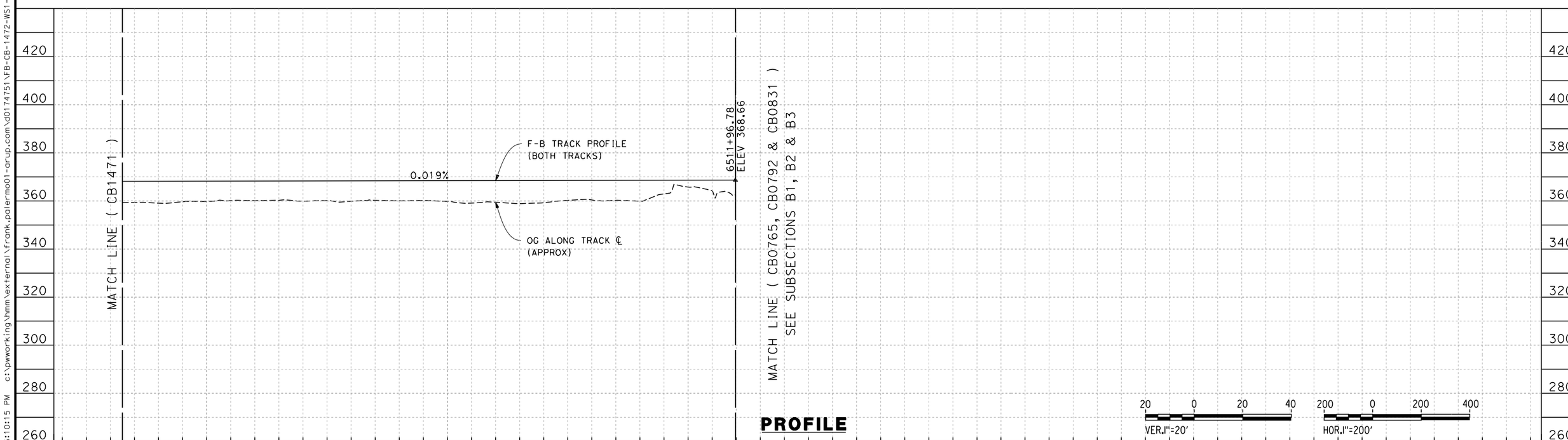
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6430+50 TO 6486+50
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1471
SCALE AS SHOWN
SHEET NO. 24 OF 35

frank.palermo 12/30/2013 6:09:10 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1471-WS1-SBR.dgn



PLAN



PROFILE

STATION	6486+50	6490+00	6500+00	6510+00	6511+97	TOTAL
CY Exc						
CY Emb						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. WALKER
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
THROUGH WASCO-SHAFTER SUBSECTION
ALIGNMENT WS1
STA. 6486+50 TO 6511+96.78
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1472
SCALE AS SHOWN
SHEET NO. 25 OF 35

frank.palermo 12/30/2013 6:10:15 PM c:\pwworking\hmm\external\frank.palermo01-arup.com\d0174751\FB-CB-1472-WS1-SBR.dgn

DRAWING NUMBERS ARE CONSISTENT WITH THE 15% RECORD SET PACKAGE. ONLY RELEVANT DRAWINGS ARE INCLUDED IN THIS SOUND BARRIER PACKAGE.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

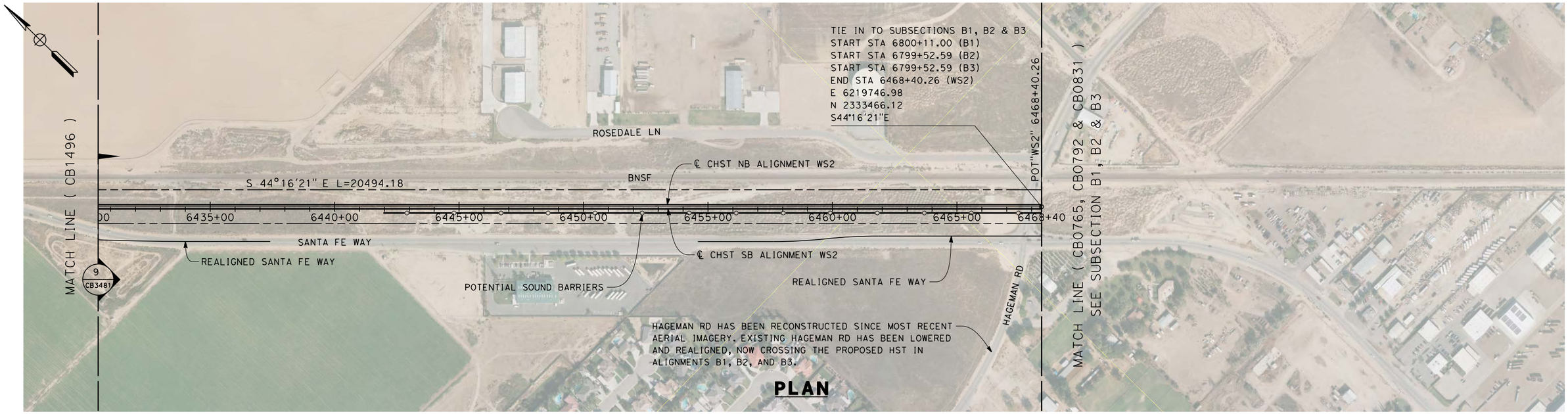
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

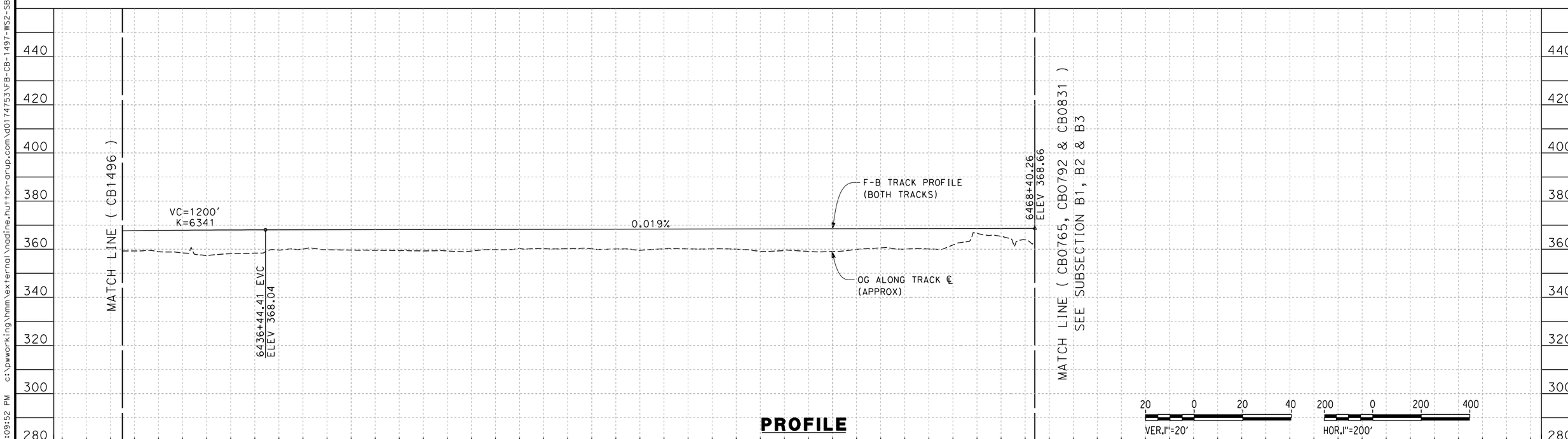
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 5703+34 TO 6468+40
KEYPLAN

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1483
SCALE AS SHOWN
SHEET NO. 1 OF 21

nadine.hutton 12/30/2013 5:49:43 PM c:\pwworking\hmm\external\nadine.hutton-arup.com\d0174753\VFB-CB-1483-WS2-SBR.dgn



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. LITSAS
DRAWN BY J. BORGHESI
CHECKED BY G. MEJIA
IN CHARGE R. COFFIN
DATE 12/31/13

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
WASCO-SHAFTER BYPASS SUBSECTION
ALIGNMENT WS2
STA. 6430+50 TO 6468+40
PROPOSED SOUND BARRIER

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1497
SCALE AS SHOWN
SHEET NO. 15 OF 21

nadine.hutton 12/30/2013 6:09:52 PM c:\pwworking\hmm\external\nadine.hutton-arup.com\d0174753\FB-CB-1497-WS2-SBR.dgn