

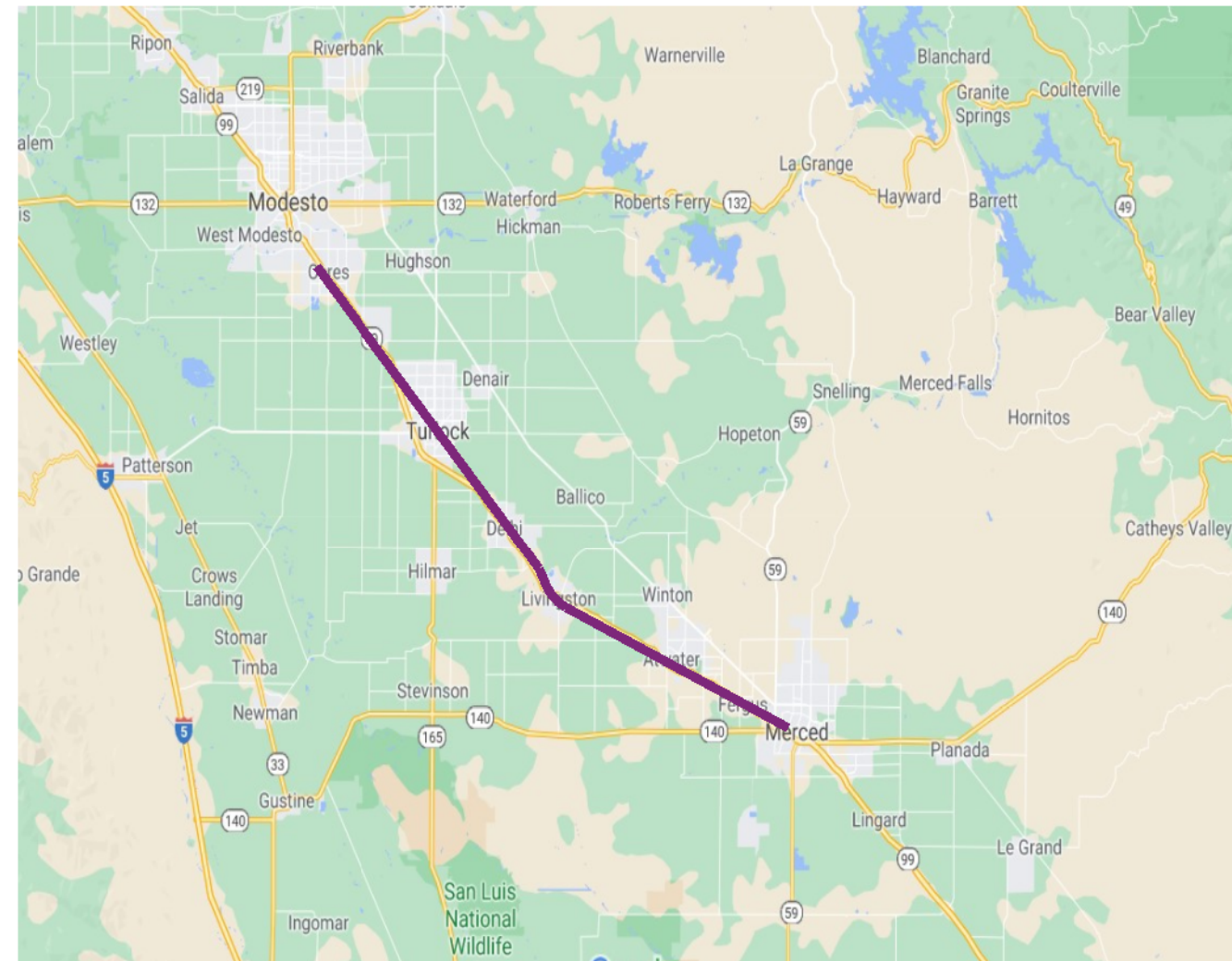
Appendix C

**ACE Ceres–Merced Extension 15%
Preliminary Engineering Plans (1 of 3)**

SAN JOAQUIN REGIONAL RAIL COMMISSION

VALLEY RAIL – MERCED EXTENSION

15% PRELIMINARY ENGINEERING

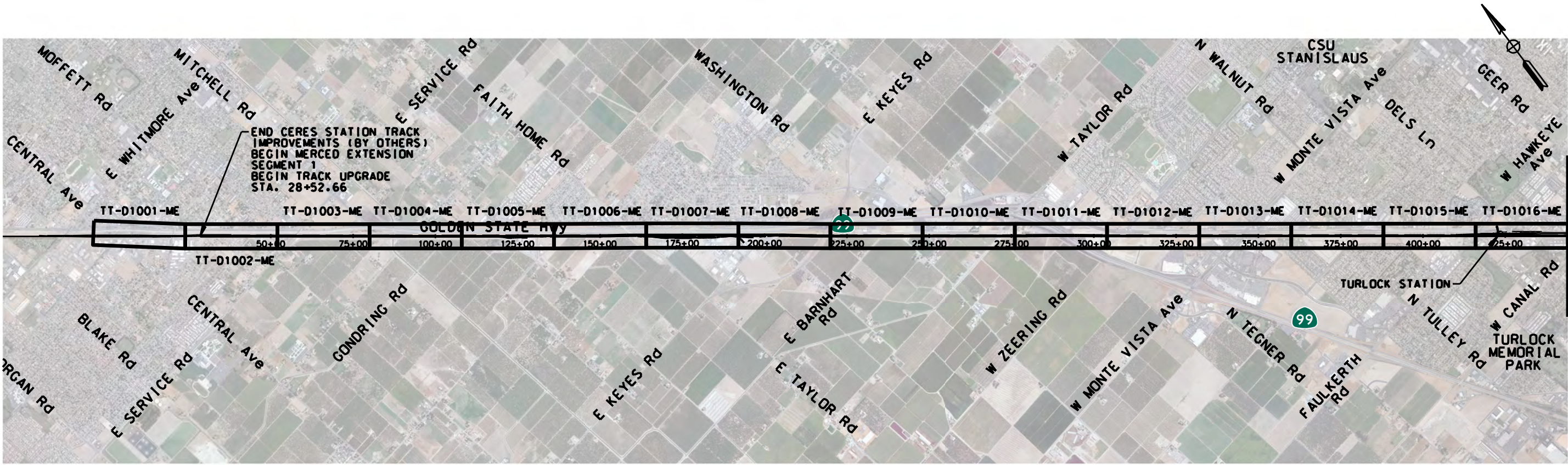


SHEET NO.	DRAWING NO.	DRAWING TITLE LINE 3	DRAWING TITLE LINE 4	DRAWING TITLE LINE 5	DRAWING TITLE LINE 6
GENERAL SHEETS					
2	GE-A0001	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 1 OF 7
3	GE-A0002	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 2 OF 7
4	GE-A0003	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 3 OF 7
5	GE-A0004	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 4 OF 7
5	GE-A0005	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 5 OF7
5	GE-A0006	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 6 OF 7
8	GE-A0007	VALLEY RAIL - MERCED EXTENSION		INDEX OF DRAWNGS	SHEET 7 OF 7
TRACK					
9	TT-B0001-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	TRACK ALIGNMENT	STA 28+52.66 TO STA 908+00
10	TT-B0002-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	TRACK ALIGNMENT	STA980+00 TO STA 1764+05.77
11	TT-D0001-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 1 OF 19
12	TT-D0002-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 2 OF 19
13	TT-D0003-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 3 OF 19
14	TT-D0004-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 4 OF 19
15	TT-D0005-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 5 OF 19
16	TT-D0006-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 6 OF 19
17	TT-D0007-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 7 OF 19
18	TT-D0008-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 8 OF 19
19	TT-D0009-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 9 OF 19
20	TT-D0010-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 10 OF 19
21	TT-D0011-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 11 OF 19
22	TT-D0012-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 12 OF 19
23	TT-D0013-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 13 OF 19
24	TT-D0014-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 14 OF 19
25	TT-D0015-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 15 OF 19
26	TT-D0016-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 16 OF 19
27	TT-D0017-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 17 OF 19
28	TT-D0018-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 18 OF 19
29	TT-D0019-ME	VALLEY RAIL - MERCED EXTENSION		TYPICAL SECTIONS	SHEET 19 OF 19
30	TT-D1001-ME	VALLEY RAIL - MERCED EXTENSION		CERES STATION TRACK IMPROVEMENTS	TRACK ALIGNMENT - PLAN
31	TT-D1002-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 28+52.66 TO STA 52+00
32	TT-D1003-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 52+00 TO STA 80+00
33	TT-D1004-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 80+00 TO STA 108+00
34	TT-D1005-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 108+00 TO STA 136+00
35	TT-D1006-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 136+00 TO STA 164+00
36	TT-D1007-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 164+00 TO STA 192+00
37	TT-D1008-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 192+00 TO STA 220+00
38	TT-D1009-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 220+00 TO STA 248+00
39	TT-D1010-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 248+00 TO STA276+00
40	TT-D1011-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 276+00 TO STA 304+00
41	TT-D1012-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 304+00 TO STA 332+00
42	TT-D1013-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 332+00 TO STA 360+00
43	TT-D1014-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 360+00 TO STA 388+00
44	TT-D1015-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 388+00 TO STA 416+00
45	TT-D1016-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 416+00 TO STA 444+00
46	TT-D1017-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 444+00 TO STA 472+00
47	TT-D1018-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TRACK ALIGNMENT - PLAN & PROFILE	STA 472+00 TO STA 500+00
NOT FOR CONSTRUCTION					

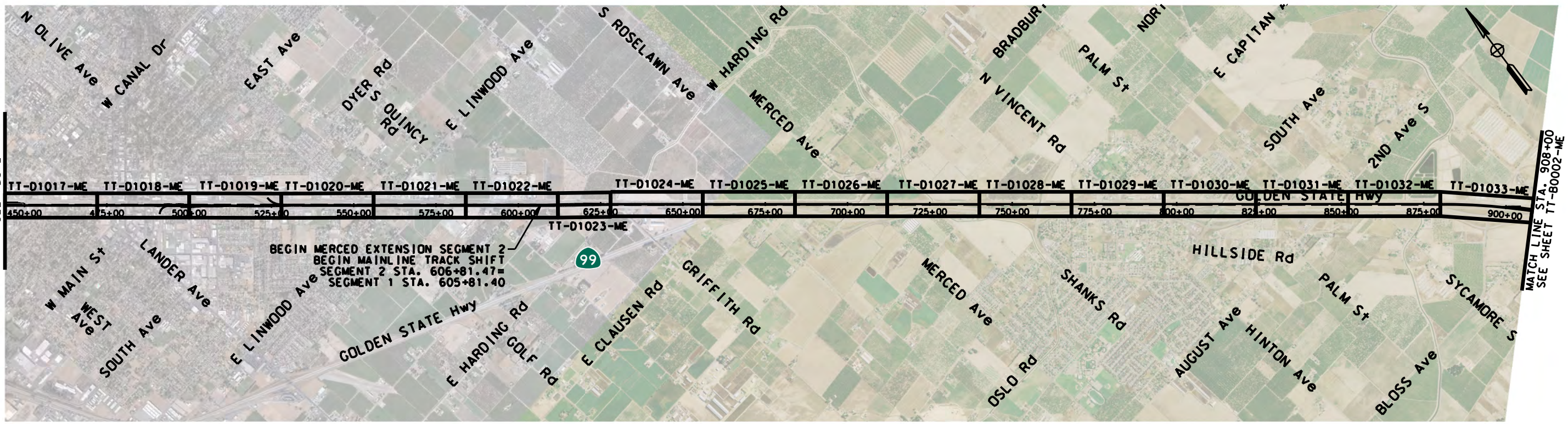
SHEET NO.		DRAWING NO.		DRAWING TITLE LINE 3		DRAWING TITLE LINE 4		DRAWING TITLE LINE 5		DRAWING TITLE LINE 6				
TRACK														
48	TT-D1019-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 1		TRACK ALIGNMENT - PLAN & PROFILE		STA 500+00 TO STA 528+00						
49	TT-D1020-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 1		TRACK ALIGNMENT - PLAN & PROFILE		STA 528+00 TO STA 556+00						
50	TT-D1021-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 1		TRACK ALIGNMENT - PLAN & PROFILE		STA 556+00 TO STA 584+00						
51	TT-D1022-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 1		TRACK ALIGNMENT - PLAN & PROFILE		STA 584+00 TO STA 612+00						
52	TT-D1023-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 1		TRACK ALIGNMENT - PLAN & PROFILE		STA 612+00 TO STA 628+00						
53	TT-D1024-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 628+00 TO STA 656+00						
54	TT-D1025-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 656+00 TO STA 684+00						
55	TT-D1026-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 684+00 TO STA 712+00						
56	TT-D1027-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 712+00 TO STA 740+00						
57	TT-D1028-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 740+00 TO STA 768+00						
58	TT-D1029-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 768+00 TO STA 796+00						
59	TT-D1030-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 796+00 TO STA 824+00						
60	TT-D1031-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 824+00 TO STA 852+00						
61	TT-D1032-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 852+00 TO STA 880+00						
62	TT-D1033-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 880+00 TO STA 908+00						
63	TT-D1034-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 908+00 TO STA 964+00						
64	TT-D1035-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 936+00 TO STA 964+00						
65	TT-D1036-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 964+00 TO STA 992+00						
66	TT-D1037-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 992+00 TO STA 1020+00						
67	TT-D1038-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 2		TRACK ALIGNMENT - PLAN & PROFILE		STA 1020+00 TO STA 1032+00						
68	TT-D1039-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1032+00 TO STA 1056+00						
69	TT-D1040-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1056+00 TO STA 1084+00						
70	TT-D1041-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1084+00 TO STA 1112+00						
71	TT-D1042-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1112+00 TO STA 1140+00						
72	TT-D1043-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1140+00 TO STA 1168+00						
73	TT-D1044-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1168+00 TO STA 1196+00						
74	TT-D1045-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1196+00 TO STA 1224+00						
75	TT-D1046-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1224+00 TO STA 1252+00						
76	TT-D1047-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1252+00 TO STA 1280+00						
77	TT-D1048-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1280+00 TO STA 1308+00						
78	TT-D1049-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1308+00 TO STA 1336+00						
79	TT-D1050-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1336+00 TO STA 1364+00						
80	TT-D1051-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1364+00 TO STA 1392+00						
81	TT-D1052-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1392+00 TO STA 1420+00						
82	TT-D1053-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1420+00 TO STA 1448+00						
83	TT-D1054-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1448+00 TO STA 1476+00						
84	TT-D1055-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1475+00 TO STA 1504+00						
85	TT-D1056-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1504+00 TO STA 1532+00						
86	TT-D1057-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1532+00 TO STA 1560+00						
87	TT-D1058-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1560+00 TO STA 1588+00						
88	TT-D1059-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1588+00 TO STA 1616+00						
89	TT-D1060-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1616+00 TO STA 1644+00						
90	TT-D1061-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1644+00 TO STA 1672+00						
91	TT-D1062-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1672+00 TO STA 1700+00						
92	TT-D1063-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1700+00 TO STA 1728+00						
93	TT-D1064-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1728+00 TO STA 1756+00						
94	TT-D1065-ME	VALLEY RAIL - MERCED EXTENSION		SEGMENT 3		TRACK ALIGNMENT - PLAN & PROFILE		STA 1756+00 to STA 1764+05.77						
NOT FOR CONSTRUCTION														
						DESIGNED BY A. SHIELDS	TRANSPORTATION		AECOM AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com		SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION		ENVIRONMENTAL ALTERNATIVE CODE
					DRAWN BY A. SHIELDS		DRAWING NO. GE-A0002							
					CHECKED BY D. HARTMAN		SCALE AS SHOWN							
					IN CHARGE D. COWIN		SHEET NO. 3 OF 287							
						DATE 04/12/2021								

SHEET NO.	DRAWING NO.	DRAWING TITLE LINE 3	DRAWING TITLE LINE 4	DRAWING TITLE LINE 5	DRAWING TITLE LINE 6			
TEMPORARY CONSTRUCTION AREAS								
185	CV-11008-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TEMPORARY CONSTRUCTION AREA PLAN	STA 388+00 TO STA 444+00			
186	CV-11009-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TEMPORARY CONSTRUCTION AREA PLAN	STA 444+00 TO STA 500+00			
187	CV-11010-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TEMPORARY CONSTRUCTION AREA PLAN	STA 500+00 TO STA 556+00			
188	CV-11011-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	TEMPORARY CONSTRUCTION AREA PLAN	STA 556+00 TO STA 612+00			
189	CV-11012-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 612+00 TO STA 628+00			
190	CV-1013-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 628+00 TO STA 656+00			
191	CV-1014-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 656+00 TO STA 712+00			
192	CV-1015-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 712+00 TO STA 768+00			
193	CV-1016-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 768+00 TO STA 824+00			
194	CV-1017-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 824+00 TO STA 880+00			
195	CV-1018-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 880+00 TO STA 936+00			
196	CV-1019-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	TEMPORARY CONSTRUCTION AREA PLAN	STA 936+00 TO STA 992+00			
197	CV-1020-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 992+00 TO STA 1032+00			
198	CV-1021-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1032+00 TO STA 1056+00			
199	CV-1022-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1056+00 TO STA 1112+00			
200	CV-1023-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1112+00 TO STA 1168+00			
201	CV-1024-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1162+00 TO STA 1224+00			
202	CV-1025-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1224+00 TO STA 1280+00			
203	CV-1026-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1280+00 TO STA 1336+00			
204	CV-1027-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1336+00 TO STA 1392+00			
205	CV-1028-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1392 +00 TO STA 1448+00			
206	CV-1029-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1448+00 TO STA 1504+00			
207	CV-1030-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1504+00 TO STA 1560+00			
208	CV-1031-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1560+00 TO STA 1616+00			
209	CV-1032-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1616+00 TO STA 1672+00			
210	CV-1033-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1672+00 TO STA 1728+00			
211	CV-1034-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	TEMPORARY CONSTRUCTION AREA PLAN	STA 1728+00 TO STA 1764+05.77			
212	CV-1035-ME	VALLEY RAIL - MERCED EXTENSION		TEMPORARY CONSTRUCTION AREA PLAN	MERCED MAINTENCE AND LAYOVER FACILITY			
EXISTING UTILITIES								
213	UT-B1001-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	EXISTING UTILITIES	STA 28+52.66 TO STA 908+00			
214	UT-B1002-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	EXISTING UTILITIES	STA.980+00 TO STA 1764+05.77			
215	UT-C1000-ME	VALLEY RAIL - MERCED EXTENSION		EXISTING UTILITIES	GENERAL NOTES AND LEGEND			
216	UT-C1001-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 28+52.66 TO STA 52+00			
217	UT-C1002-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 52+00 TO STA 108+00			
218	UT-C1003-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 108+00 TO STA 164+00			
219	UT-C1004-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 164+00 TO STA 220+00			
220	UT-C1005-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 220+00 TO STA 276+00			
221	UT-C1006-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 276+00 TO STA 332+00			
222	UT-C1007-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 332+00 TO STA 388+00			
223	UT-C1008-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 388+00 TO STA 444+00			
224	UT-C1009-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 444+00 TO STA 500+00			
225	UT-C1010-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 500+00 TO STA 556+00			
226	UT-C1011-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	EXISTING UTILITIES	STA 556+00 TO STA 612+00			
227	UT-C1012-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA 612+00 TO STA 628+00			
228	UT-C1013-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA 628+00 TO STA 656+00			
229	UT-C1014-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA 656+00 TO STA 712+00			
230	UT-C1015-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA 712+00 TO STA 768+00			
NOT FOR CONSTRUCTION								
			DESIGNED BY A. SHIELDS	TRANSPORTATION  AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com		 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION	ENVIRONMENTAL ALTERNATIVE CODE
			DRAWING NO. GE-A0005					
			SCALE AS SHOWN					
			SHEET NO. 6 OF 287					
			DATE 04/12/2021					

SHEET NO.	DRAWING NO.	DRAWING TITLE LINE 3	DRAWING TITLE LINE 4	DRAWING TITLE LINE 5	DRAWING TITLE LINE 6	
EXISTING UTILITIES						
231	UT-C1016-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA. 768+00 TO STA. 824+00	
232	UT-C1017-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA. 824+00 TO STA. 880+00	
233	UT-C1018-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA. 880+00 TO STA. 936+00	
234	UT-C1019-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	EXISTING UTILITIES	STA. 936+00 TO STA. 992+00	
235	UT-C1020-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 992+00 TO STA. 1032+00	
236	UT-C1021-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1032+00 TO STA. 1056+00	
237	UT-C1022-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1056+00 TO STA. 1112+00	
238	UT-C1023-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1112+00 TO STA. 1168+00	
239	UT-C1024-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1162+00 TO STA. 1224+00	
240	UT-C1025-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1224+00 TO STA. 1280+00	
241	UT-C1026-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1280+00 TO STA. 1336+00	
242	UT-C1027-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1336+00 TO STA. 1392+00	
243	UT-C1028-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1392 +00 TO STA. 1448+00	
244	UT-C1029-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1448+00 TO STA. 1504+00	
245	UT-C1030-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1504+00 TO STA. 1560+00	
246	UT-C1031-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1560+00 TO STA. 1616+00	
247	UT-C1032-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1616+00 TO STA. 1672+00	
248	UT-C1033-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1672+00 TO STA. 1728+00	
249	UT-C1034-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	EXISTING UTILITIES	STA. 1728+00 TO STA. 1764+05.77	
250	UT-C1035-ME	VALLEY RAIL - MERCED EXTENSION		EXISTING UTILITIES	MERCED MAINTENCE AND LAYOVER FACILITY	
RIGHT OF WAY						
251	RW-B1001-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	RIGHT OF WAY	STA. 28+52.66 TO STA. 908+00	
252	RW-B1002-ME	VALLEY RAIL - MERCED EXTENSION	KEY MAP	RIGHT OF WAY	STA.980+00 TO STA. 1764+05.77	
253	RW-D1001-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 28+52.66 TO STA. 52+00	
254	RW-D1002-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 52+00 TO STA. 108+00	
255	RW-D1003-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 108+00 TO STA. 164+00	
256	RW-D1004-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 164+00 TO STA. 220+00	
257	RW-D1005-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 220+00 TO STA. 276+00	
258	RW-D1006-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 276+00 TO STA. 332+00	
259	RW-D1007-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 332+00 TO STA. 388+00	
260	RW-D1008-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 388+00 TO STA. 444+00	
261	RW-D1009-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 444+00 TO STA. 500+00	
262	RW-D1010-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 500+00 TO STA. 556+00	
263	RW-D1011-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 1	RIGHT OF WAY PLAN	STA. 556+00 TO STA. 612+00	
264	RW-D1012-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 612+00 TO STA. 628+00	
265	RW-D1013-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 628+00 TO STA. 656+00	
266	RW-D1014-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 656+00 TO STA. 712+00	
267	RW-D1015-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 712+00 TO STA. 768+00	
268	RW-D1016-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 768+00 TO STA. 824+00	
269	RW-D1017-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 824+00 TO STA. 880+00	
270	RW-D1018-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 880+00 TO STA. 936+00	
271	RW-D1019-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 2	RIGHT OF WAY PLAN	STA. 936+00 TO STA. 992+00	
272	RW-D1020-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	RIGHT OF WAY PLAN	STA. 992+00 TO STA. 1032+00	
273	RW-D1021-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	RIGHT OF WAY PLAN	STA. 1032+00 TO STA. 1056+00	
274	RW-D1022-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	RIGHT OF WAY PLAN	STA. 1056+00 TO STA. 1112+00	
275	RW-D1023-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	RIGHT OF WAY PLAN	STA. 1112+00 TO STA. 1168+00	
276	RW-D1024-ME	VALLEY RAIL - MERCED EXTENSION	SEGMENT 3	RIGHT OF WAY PLAN	STA. 1162+00 TO STA. 1224+00	
NOT FOR CONSTRUCTION						
			DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com		
			DRAWN BY A. SHIELDS			 SAN JOAQUIN REGIONAL RAIL COMMISSION
			CHECKED BY D. HARTMAN			
			IN CHARGE D. COWIN			
			DATE 04/12/2021	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION INDEX OF DRAWINGS SHEET 6 OF 7		
				ENVIRONMENTAL ALTERNATIVE CODE DRAWING NO. GE-A0006 SCALE AS SHOWN SHEET NO. 7 OF 287		



MATCH LINE STA. 444+00
SEE BELOW



MATCH LINE STA. 908+00
SEE SHEET TT-B0002-ME

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DRAWN BY D. LEE	
CHECKED BY D. HARTMAN	
IN CHARGE D. COWIN	
DATE 04/12/2021	

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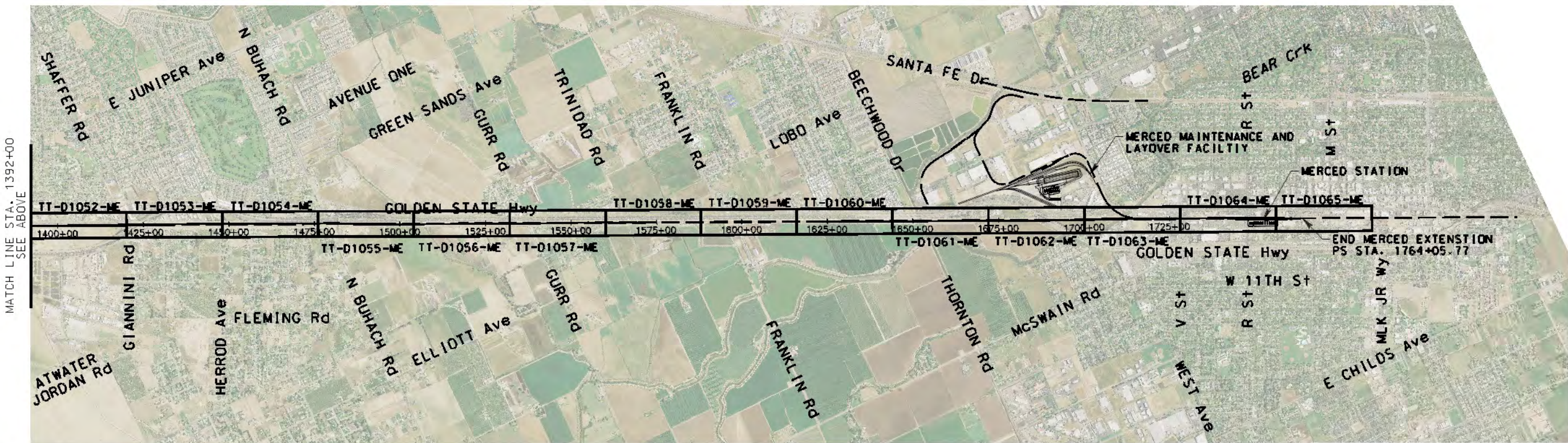
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SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
KEY MAP
TRACK ALIGNMENT
STA. 28+52.66 TO STA. 908+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-B0001-ME
SCALE AS SHOWN
SHEET NO. 9 OF 287



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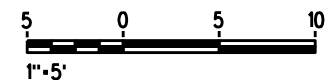
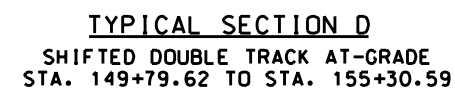
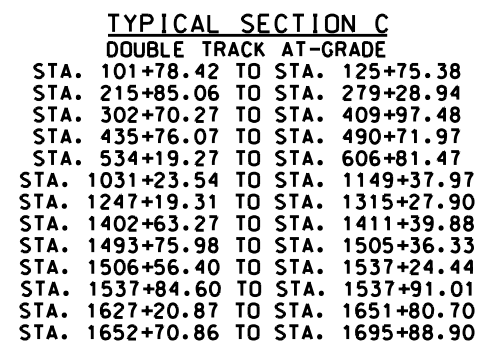
DESIGNED BY
A. SHIELDS
DRAWN BY
D. LEE
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

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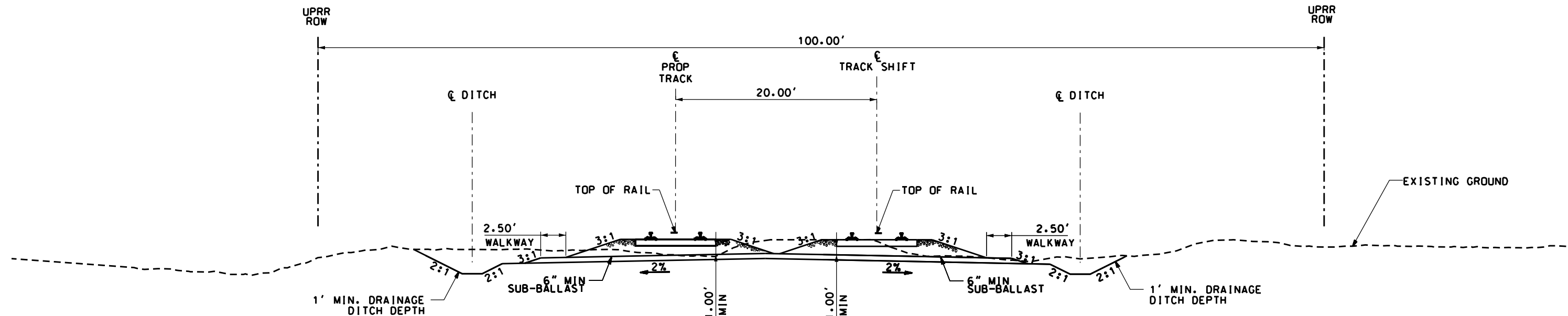
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
TRACK ALIGNMENT
KEY MAP
STA. 908+00 TO STA. 1764+05.77

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-B0002-ME
SCALE
AS SHOWN
SHEET NO.
10 OF 287

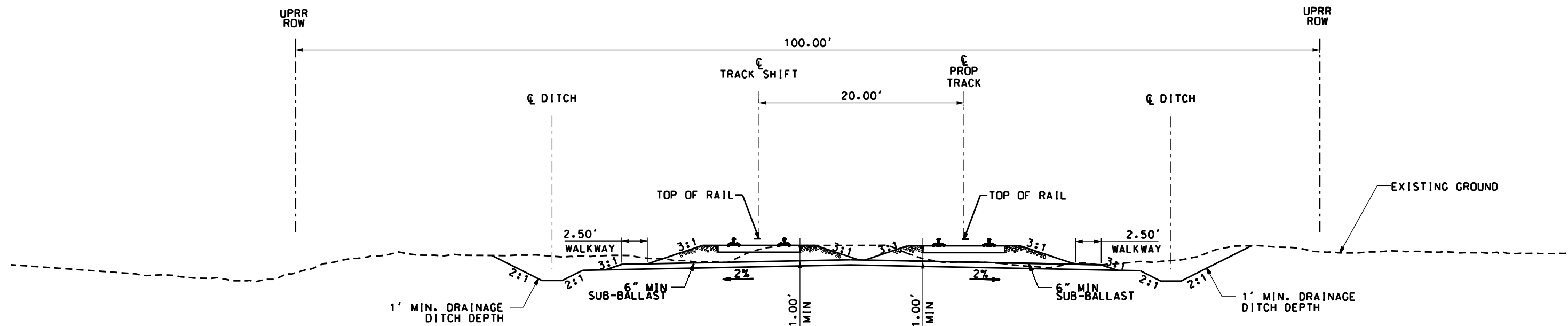


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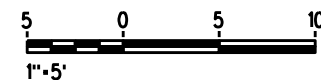
						DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com	 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION TRACK ALIGNMENT TYPICAL SECTIONS SHEET 2 OF 19	ENVIRONMENTAL ALTERNATIVE CODE
					DRAWN BY A. SHIELDS	DRAWING NO. TT-D0002-ME				
					CHECKED BY D. HARTMAN	SCALE AS SHOWN				
					IN CHARGE D. COWIN	SHEET NO. 12 OF 287				
					DATE 04/12/2021					



TYPICAL SECTION G
 SHIFTED DOUBLE TRACK AT-GRADE
 STA. 204+23.06 TO STA. 208+79.37
 STA. 879+28.47 TO STA. 900+28.20
 STA. 916+81.34 TO STA. 925+18.29
 STA. 1399+52.92 TO STA. 1402+63.27
 STA. 1703+00.70 TO STA. 1707+57.02



TYPICAL SECTION H
 SHIFTED DOUBLE TRACK AT-GRADE
 STA. 211+28.67 TO STA. 215+85.06
 STA. 279+85.06 TO STA. 302+70.27
 STA. 903+47.37 TO STA. 913+72.08
 STA. 1488+83.57 TO STA. 1493+75.99
 STA. 1695+88.90 TO STA. 1700+50.31



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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

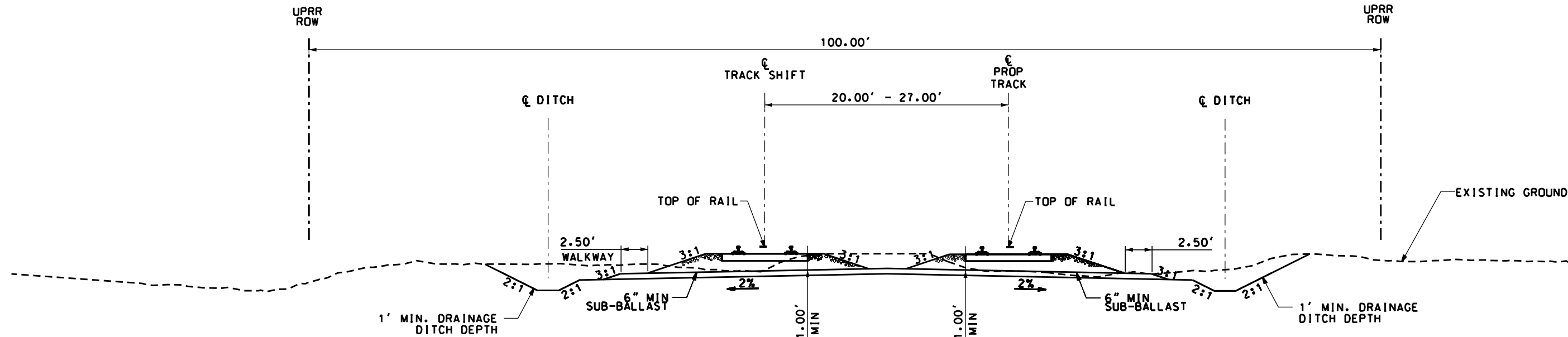
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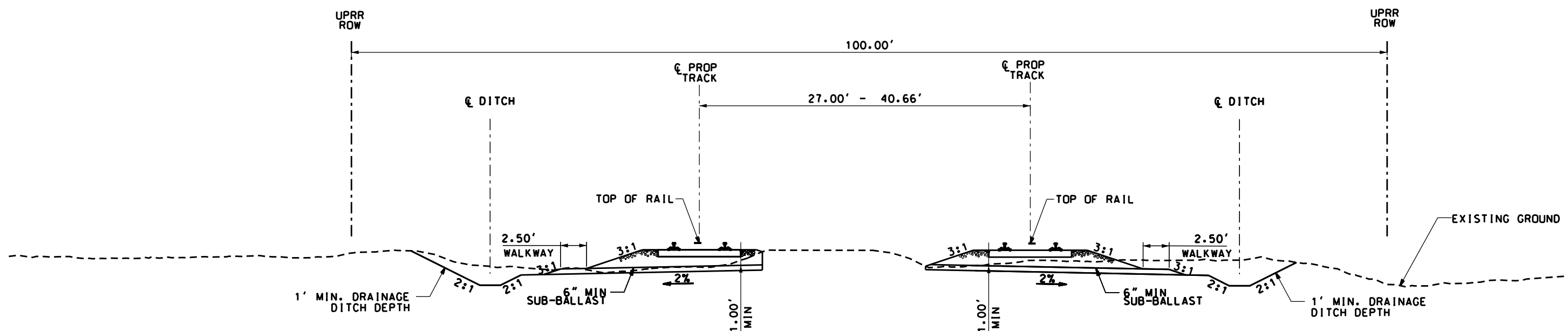
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 ALTAMONT CORRIDOR EXPRESS
 VALLEY RAIL - MERCED EXTENSION
 TRACK ALIGNMENT
 TYPICAL SECTIONS
 SHEET 4 OF 19

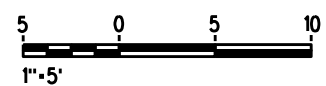
ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D0004-ME
SCALE AS SHOWN
SHEET NO. 14 OF 287



TYPICAL SECTION I
 SHIFTED DOUBLE TRACK AT-GRADE
 STA. 409+97.48 TO STA. 412+85.14
 STA. 432+92.24 TO STA. 435+76.07
 STA. 606+81.47 TO STA. 611+32.60
 STA. 927+53.43 TO STA. 933+68.93
 STA. 947+54.33 TO STA. 962+21.45
 STA. 1028+49.92 TO STA. 1031+23.54
 STA. 1315+27.90 TO STA. 1319+62.20
 STA. 1411+39.81 TO STA. 1415+47.30



TYPICAL SECTION J
 STATION APPROACH
 STA. 412+85.14 TO STA. 417+51.47
 STA. 428+22.92 TO STA. 432+92.24
 STA. 1008+87.29 TO STA. 1013+64.62
 STA. 1024+19.10 TO STA. 1028+49.92
 STA. 1360+99.07 TO STA. 1367+31.34

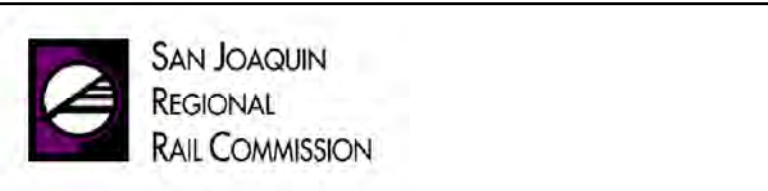


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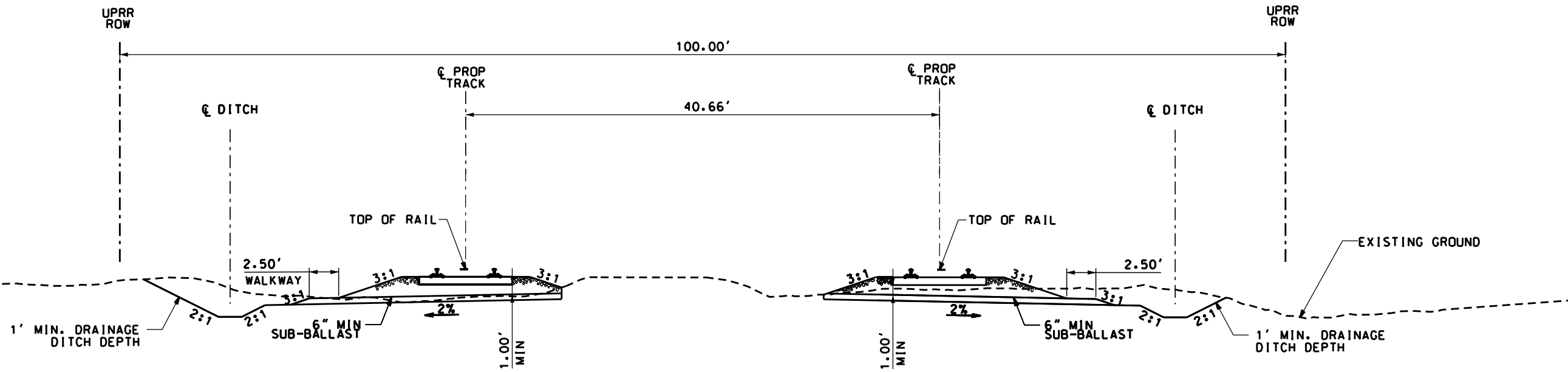
DESIGNED BY
A. SHIELDS
 DRAWN BY
A. SHIELDS
 CHECKED BY
D. HARTMAN
 IN CHARGE
D. COWIN
 DATE
04/12/2021

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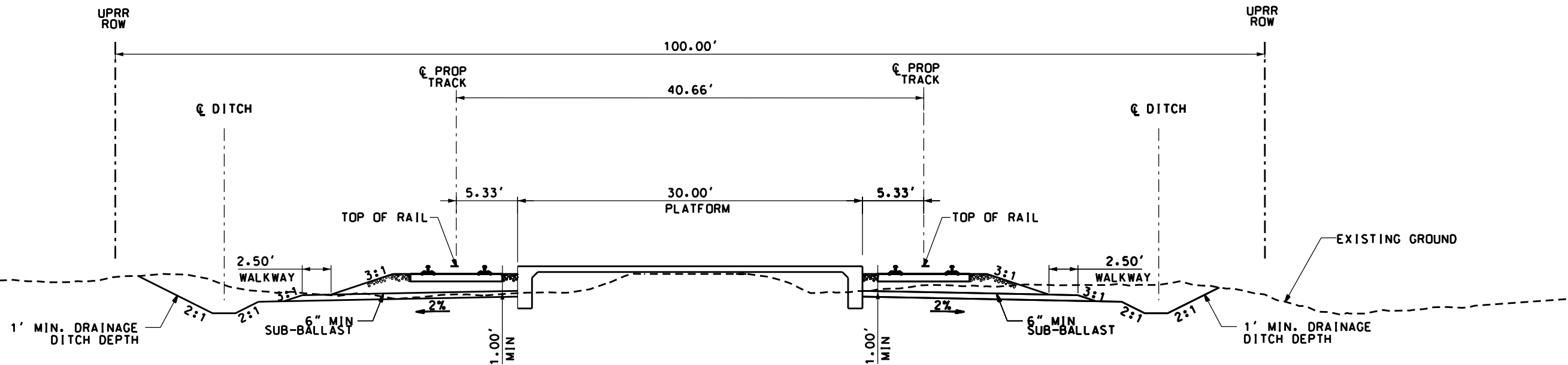


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 ALTAMONT CORRIDOR EXPRESS
 VALLEY RAIL - MERCED EXTENSION
 TRACK ALIGNMENT
 TYPICAL SECTIONS
 SHEET 5 OF 19

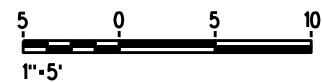
ENVIRONMENTAL ALTERNATIVE CODE
 DRAWING NO.
TT-D0005-ME
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AS SHOWN
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TYPICAL SECTION K
STATION APPROACH
 STA. 417+51.47 TO STA. 418+09.23
 STA. 427+64.23 TO STA. 428+22.92
 STA. 1013+64.52 TO STA. 1014+03.07
 STA. 1023+58.07 TO STA. 1024+19.10



TYPICAL SECTION L
STATION
 STA. 418+09.23 TO STA. 427+64.23
 STA. 1014+03.07 TO STA. 1023+58.07



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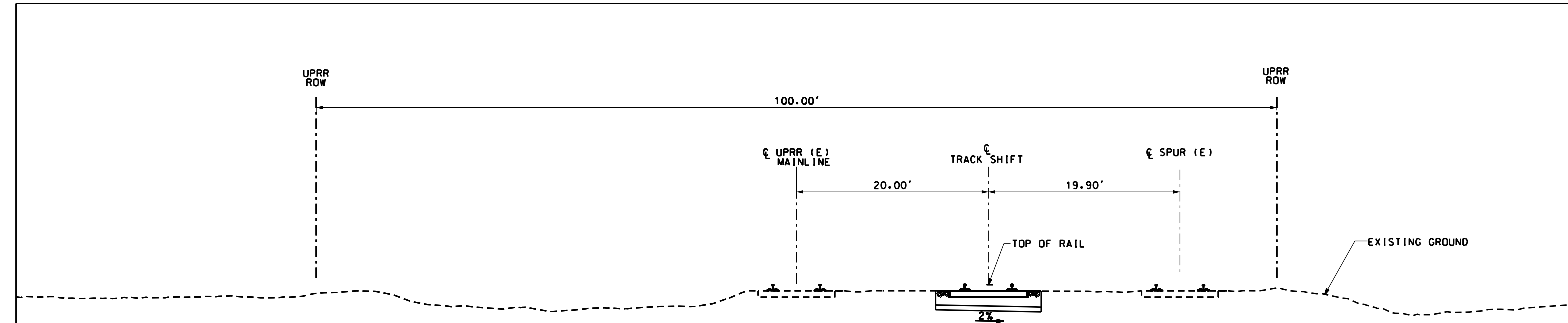
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A. SHIELDS
 CHECKED BY
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 IN CHARGE
D. COWIN
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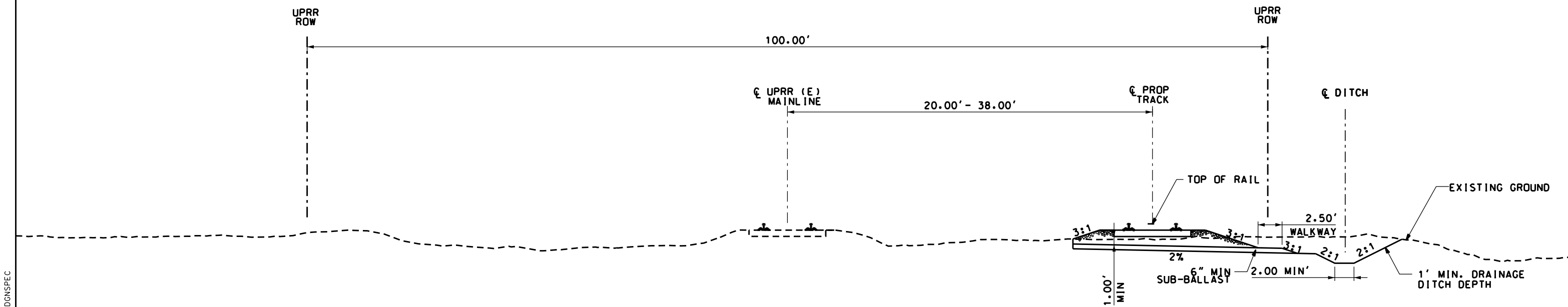


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 ALTAMONT CORRIDOR EXPRESS
 VALLEY RAIL - MERCED EXTENSION
 TRACK ALIGNMENT
 TYPICAL SECTIONS
 SHEET 6 OF 19

ENVIRONMENTAL ALTERNATIVE
 CODE
 DRAWING NO.
TT-D0006-ME
 SCALE
AS SHOWN
 SHEET NO.
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TYPICAL SECTION M
SHIFTED DOUBLE TRACK AT-GRADE
STA. 490+71.97 TO STA. 505+93.54

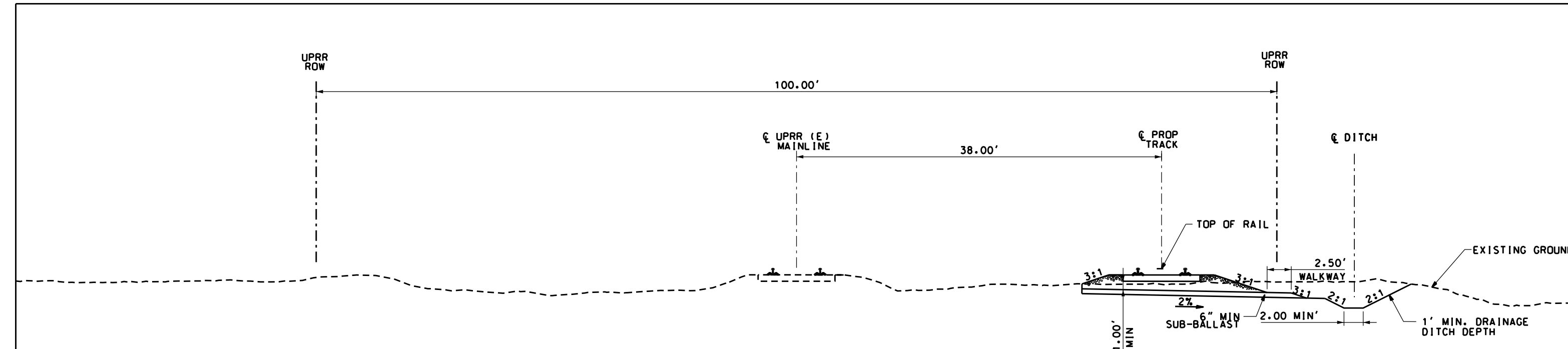


TYPICAL SECTION N
DOUBLE TRACK AT-GRADE
STA. 505+93.54 TO STA. 517+68.31
STA. 522+98.48 TO STA. 534+19.27

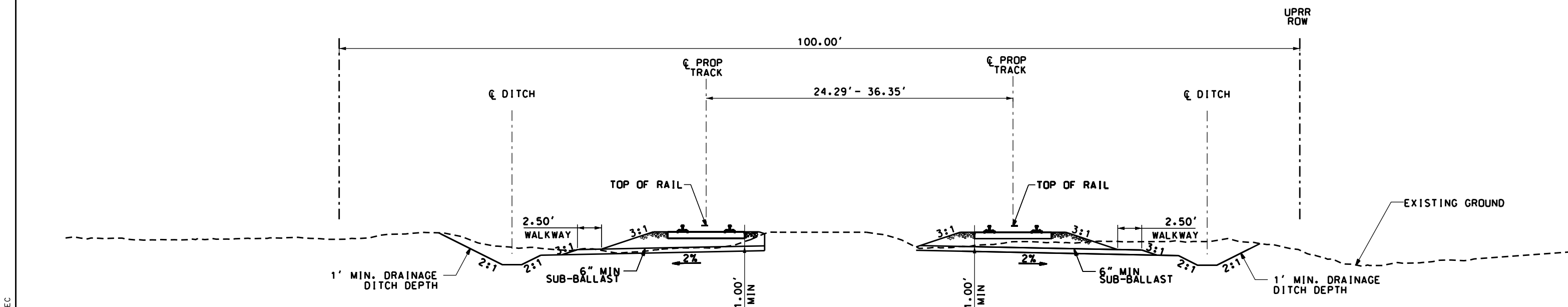


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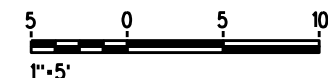
							DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com	 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION TRACK ALIGNMENT TYPICAL SECTIONS SHEET 7 OF 19	ENVIRONMENTAL ALTERNATIVE CODE
							DRAWN BY A. SHIELDS				DRAWING NO. TT-D0007-ME
							CHECKED BY D. HARTMAN				SCALE AS SHOWN
							IN CHARGE D. COWIN				SHEET NO. 17 OF 287
							DATE 04/12/2021				



TYPICAL SECTION O
 DOUBLE TRACK AT-GRADE
 STA. 517+98.31 TO STA. 522+98.48

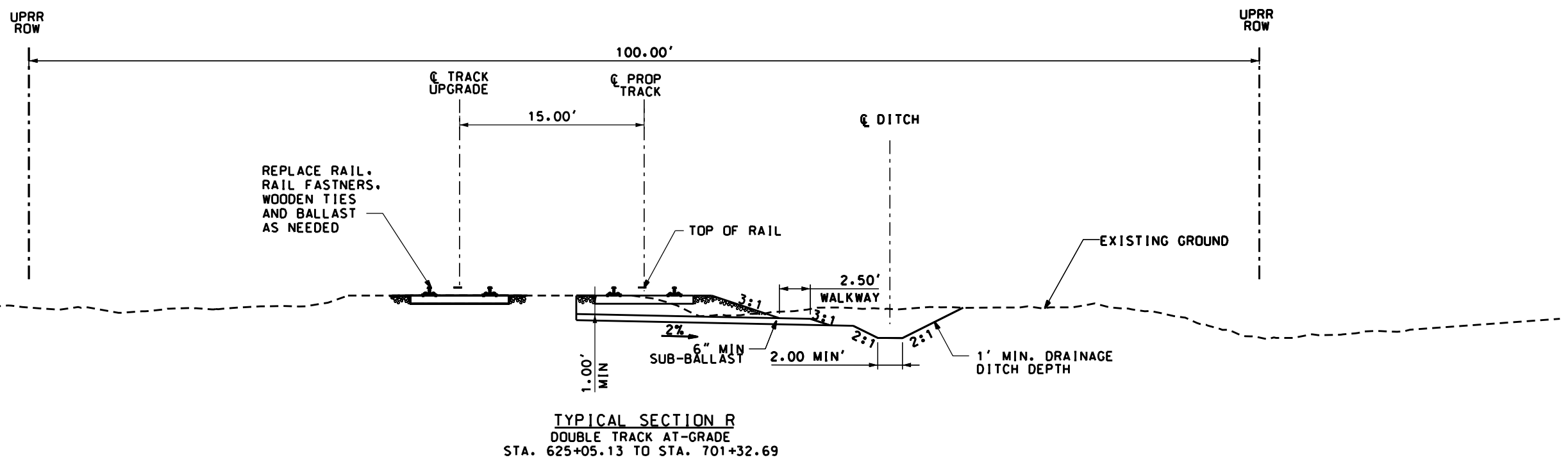
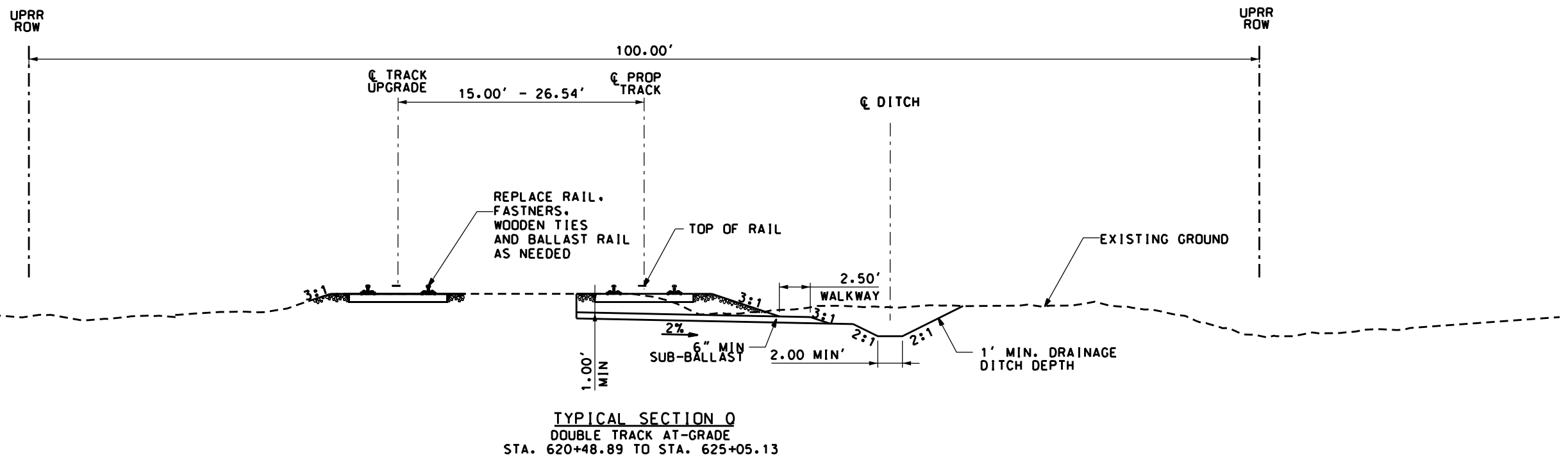


TYPICAL SECTION P
 DOUBLE TRACK AT-GRADE
 STA. 611+32.60 TO STA. 620+48.89
 STA. 962+21.45 TO STA. 979+89.04
 STA. 1319+62.20 TO STA. 1329+26.56
 STA. 1415+47.38 TO STA. 1422+35.81



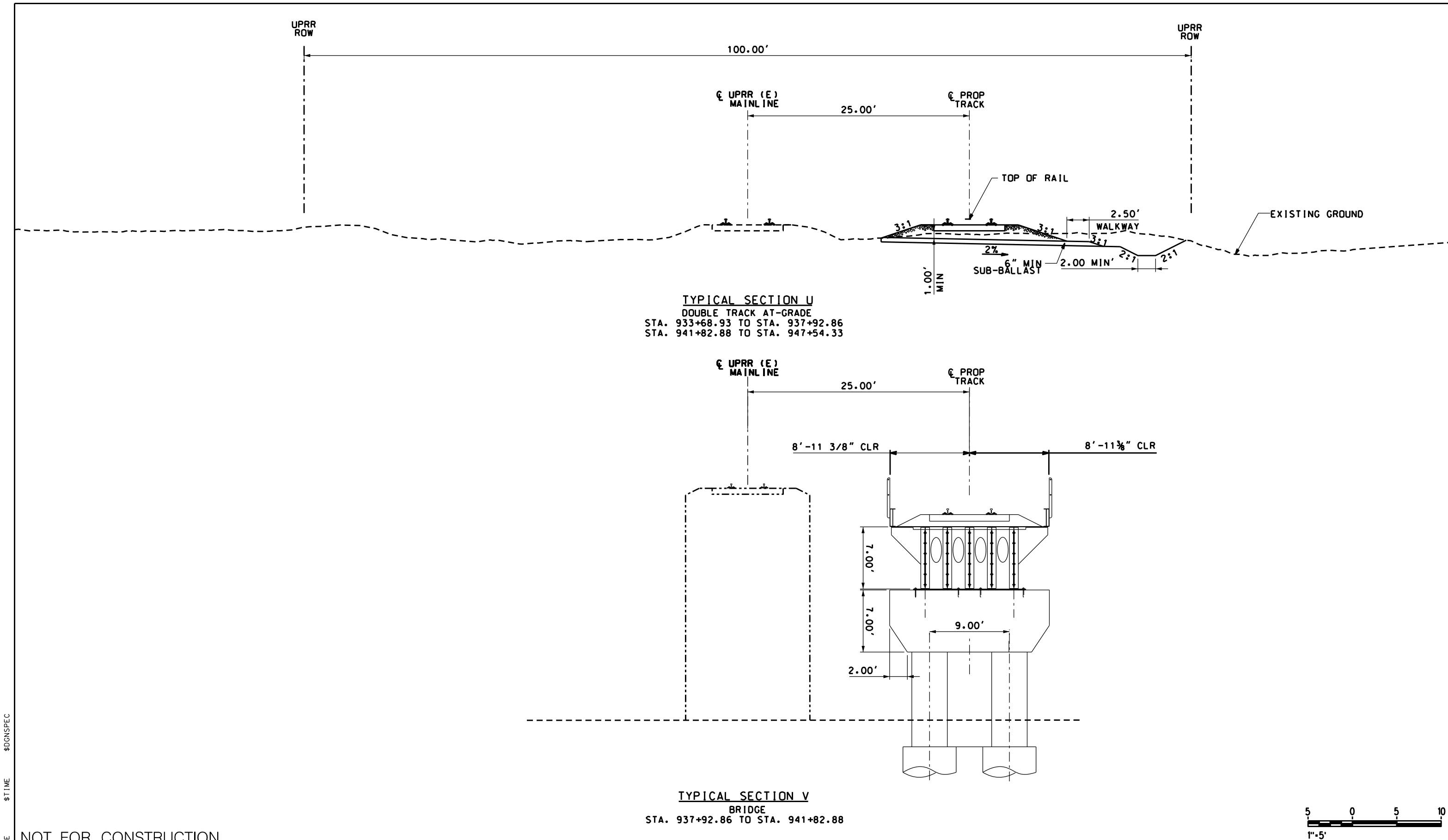
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IN CHARGE	D. COWIN
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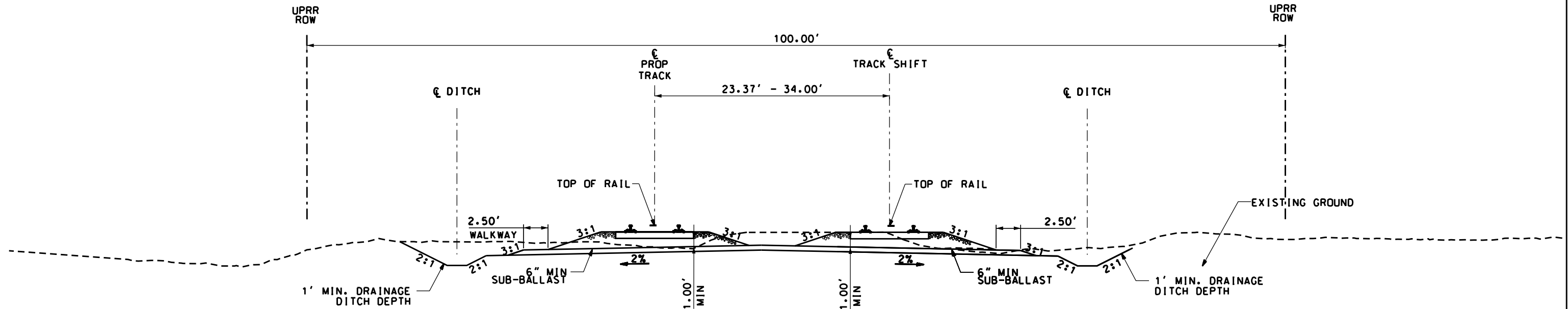


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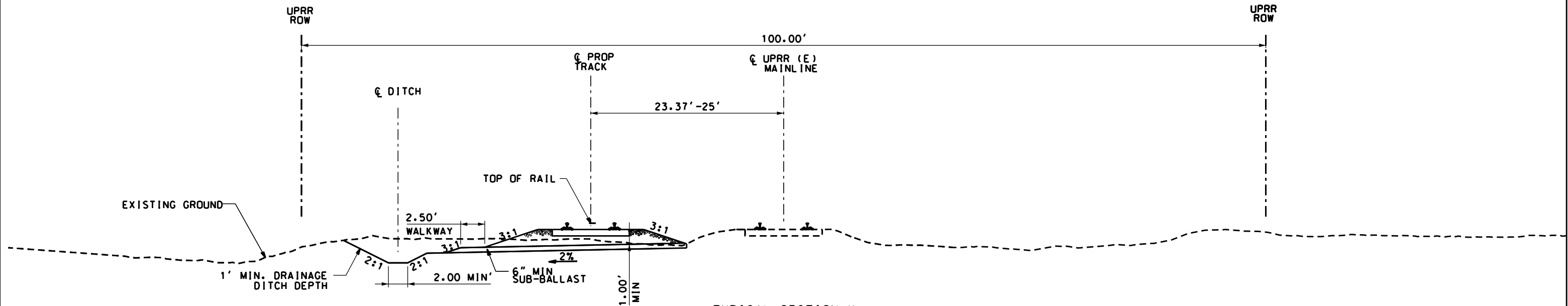
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
TRACK ALIGNMENT
TYPICAL SECTIONS
SHEET 11 OF 19

ENVIRONMENTAL ALTERNATIVE CODE	
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SCALE	AS SHOWN
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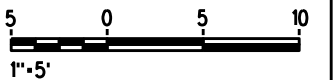




TYPICAL SECTION W
 SHIFTED DOUBLE TRACK AT-GRADE
 STA. 979+89.04 TO STA. 992+73.95
 STA. 1005+79.54 TO STA. 1008+87.29
 STA. 1329+26.56 TO STA. 1341+17.38
 STA. 1355+75.63 TO STA. 1360+99.07
 STA. 1480+90.31 TO STA. 1485+80.36



TYPICAL SECTION X
 DOUBLE TRACK AT-GRADE
 STA. 992+73.95 TO STA. 993+11.56
 STA. 1002+51.56 TO STA. 1005+79.54
 STA. 1426+64.98 TO STA. 1480+90.31



\$USER \$DATE \$TIME \$DGN\$SPEC

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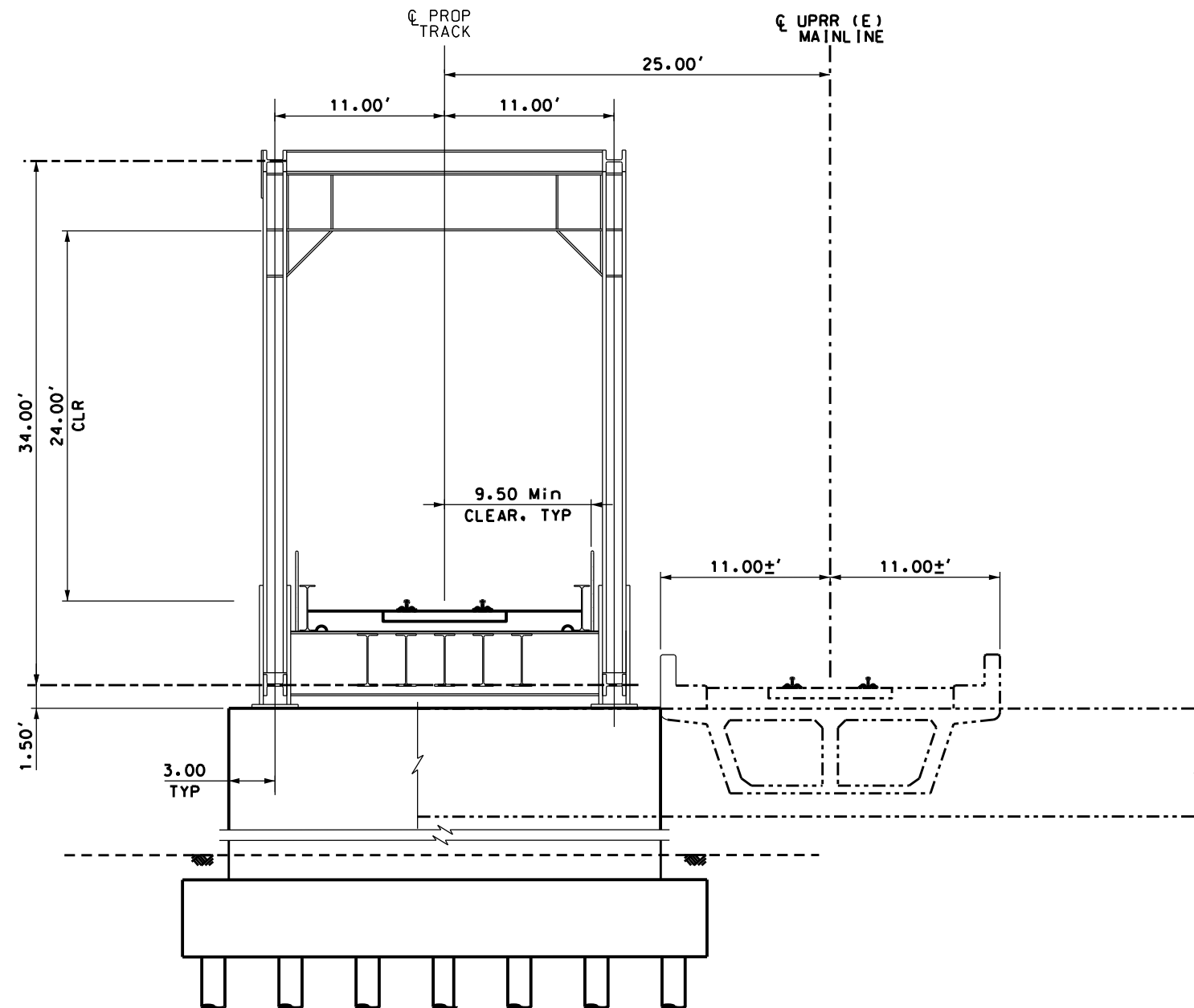
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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

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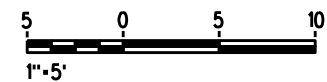


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SAN JOAQUIN REGIONAL RAIL COMMISSION	
ALTAMONT CORRIDOR EXPRESS	
VALLEY RAIL - MERCED EXTENSION	
TRACK ALIGNMENT	
TYPICAL SECTIONS	
SHEET 12 OF 19	
ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D0012-ME
SCALE	AS SHOWN
SHEET NO.	22 OF 287



TYPICAL SECTION Y
BRIDGE
STA. 993+11.56 TO STA. 1002+51.56



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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

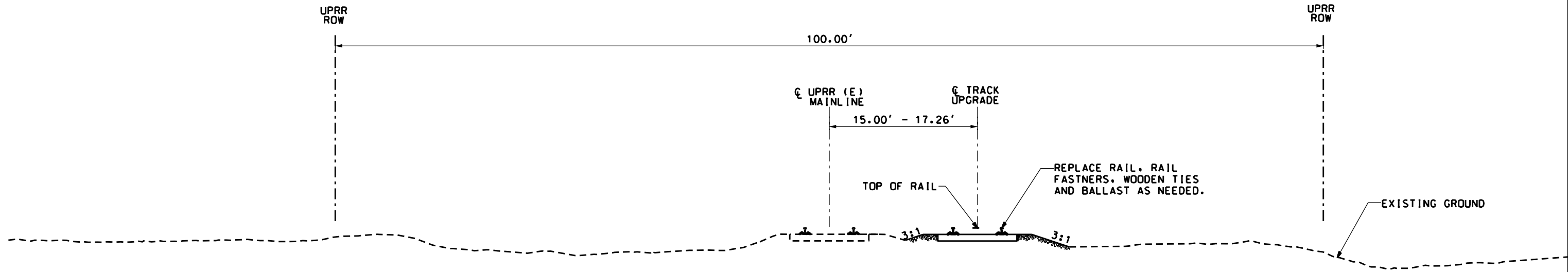
TRANSPORTATION	AECOM
AECOM USA, Inc.	
300 Lakeside Drive, Suite 400	
Oakland, CA 94612	
T 510.893.3600	
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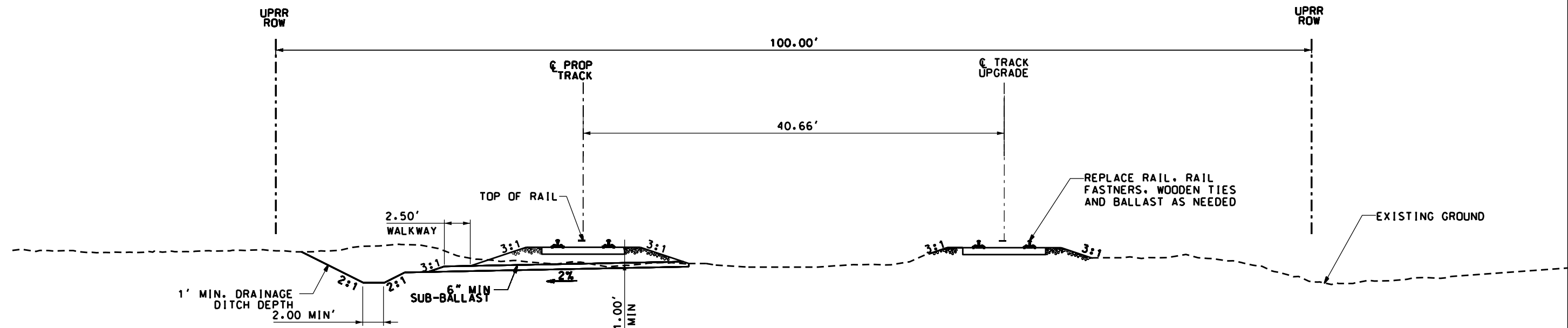
SAN JOAQUIN
REGIONAL
RAIL COMMISSION

SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
TRACK ALIGNMENT
TYPICAL SECTIONS
SHEET 13 OF 19

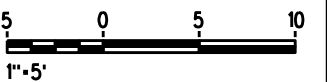
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DRAWING NO.	TT-D0013-ME
SCALE	AS SHOWN
SHEET NO.	23 OF 287



TYPICAL SECTION Z
 DOUBLE TRACK AT-GRADE
 STA. 1235+57.55 TO STA. 1237+96.30



TYPICAL SECTION AA
 STATION APPROACH
 STA. 1367+31.34 TO STA. 1369+28.38
 STA. 1378+83.38 TO STA. 1379+72.86



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DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

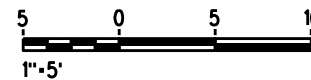
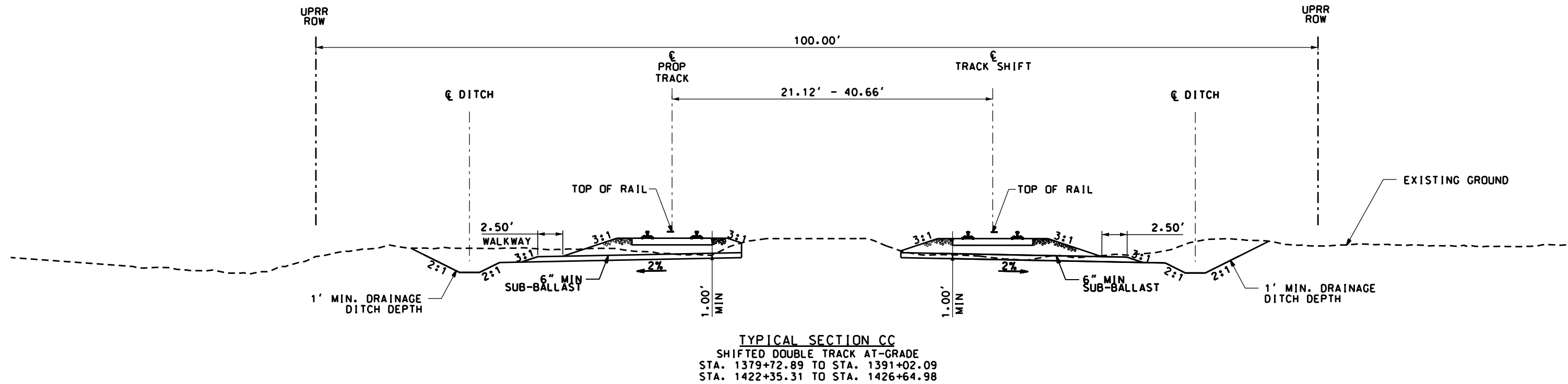
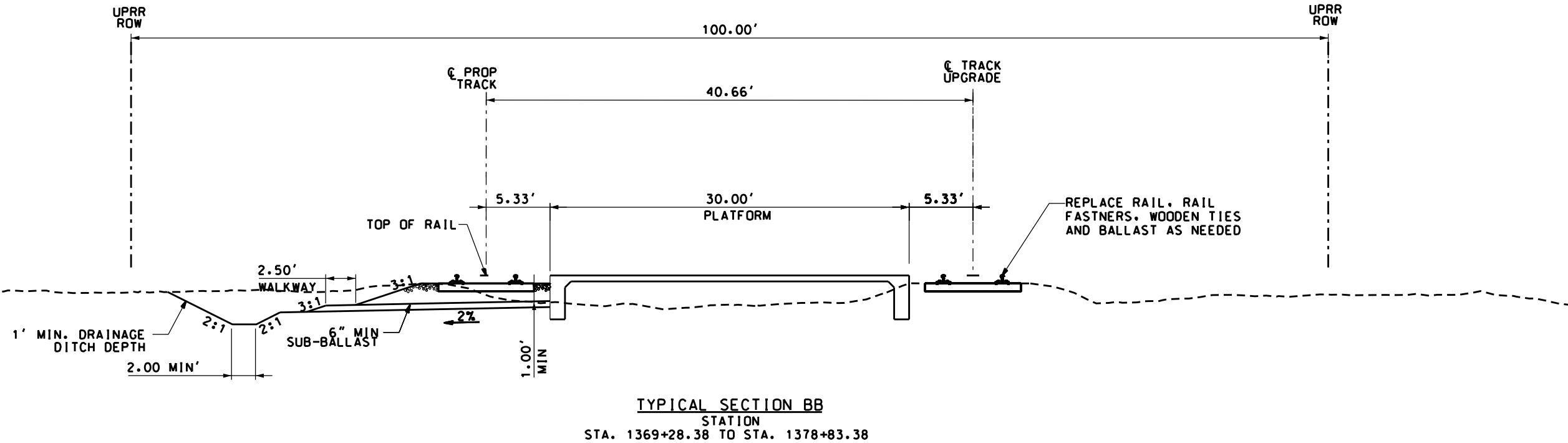
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 ALTAMONT CORRIDOR EXPRESS
 VALLEY RAIL - MERCED EXTENSION
 TRACK ALIGNMENT
 TYPICAL SECTIONS
 SHEET 14 OF 19

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D0014-ME
SCALE	AS SHOWN
SHEET NO.	24 OF 287

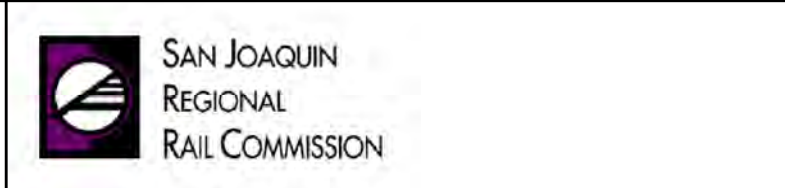


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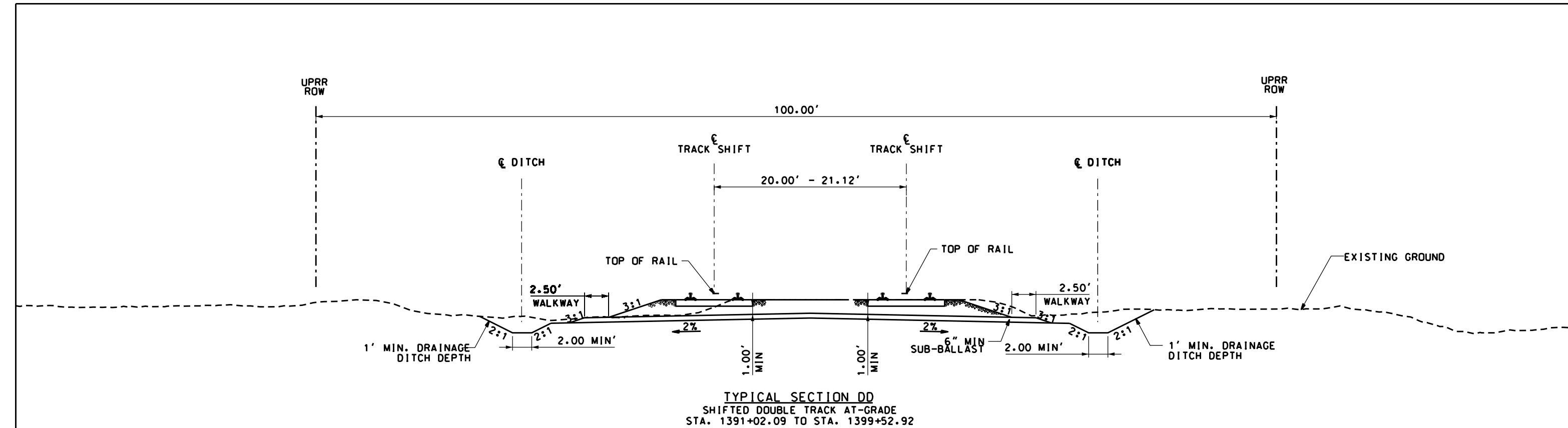
DESIGNED BY
A. SHIELDS
DRAWN BY
A. SHIELDS
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

TRANSPORTATION
AECOM
AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
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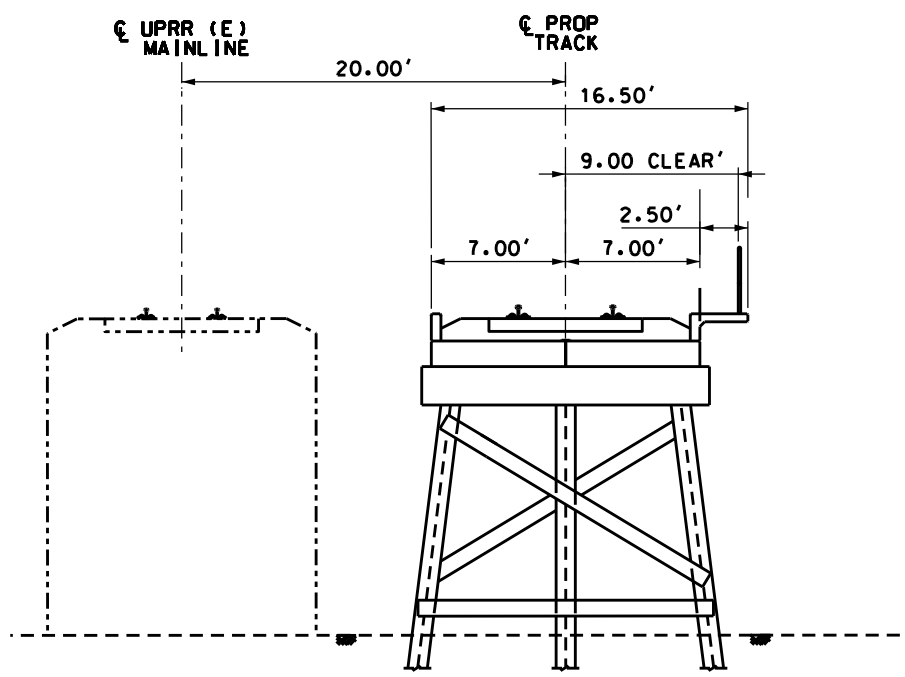


SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
TRACK ALIGNMENT
TYPICAL SECTIONS
SHEET 15 OF 19

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-D0015-ME
SCALE
AS SHOWN
SHEET NO.
25 OF 287



TYPICAL SECTION DD
SHIFTED DOUBLE TRACK AT-GRADE
STA. 1391+02.09 TO STA. 1399+52.92

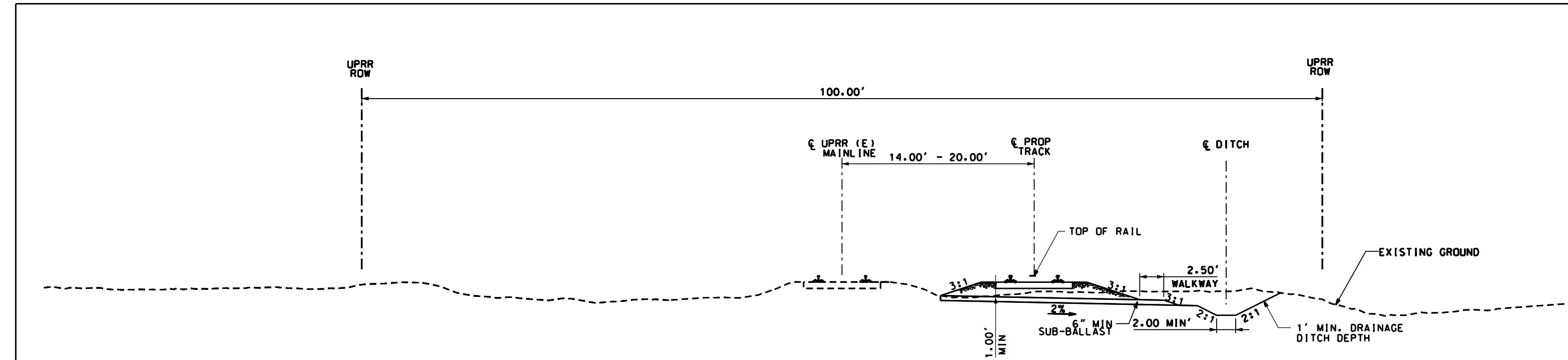


TYPICAL SECTION EE
BRIDGE
STA. 1505+36.33 TO STA. 1506+56.49
STA. 1537+24.44 TO STA. 1537+84.60
STA. 1651+80.70 TO STA. 1652+70.86

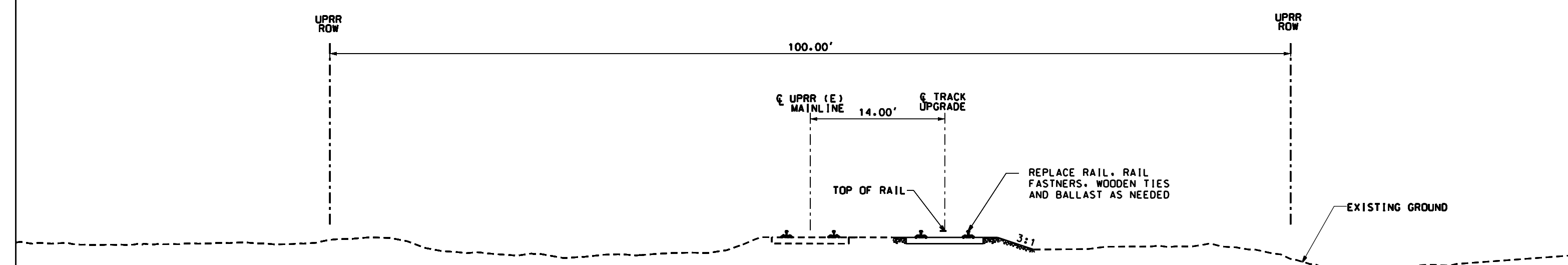


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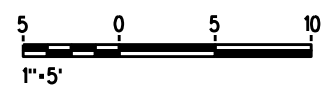
						DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com	 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION TRACK ALIGNMENT TYPICAL SECTIONS SHEET 16 OF 19	ENVIRONMENTAL ALTERNATIVE CODE
						DRAWN BY A. SHIELDS				DRAWING NO. TT-D0016-ME
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						IN CHARGE D. COWIN				SHEET NO. 26 OF 287
						DATE 04/12/2021				

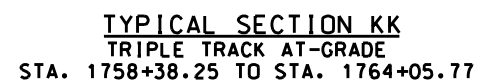
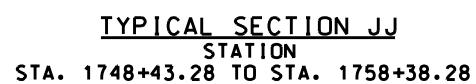


TYPICAL SECTION FF
DOUBLE TRACK AT-GRADE
STA. 1537+84.60 TO STA. 1546+91.00
STA. 1622+05.94 TO STA. 1629+20.87



TYPICAL SECTION GG
DOUBLE TRACK AT-GRADE
STA. 1546+91.00 TO STA. 1622+05.94





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						DRAWN BY A. SHIELDS				DRAWING NO. TT-D0019-ME
						CHECKED BY D. HARTMAN				SCALE AS SHOWN
						IN CHARGE D. COWIN				SHEET NO. 29 OF 287
						DATE 04/12/2021				



MATCH LINE - SEE SHEET TT-D1002-ME

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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

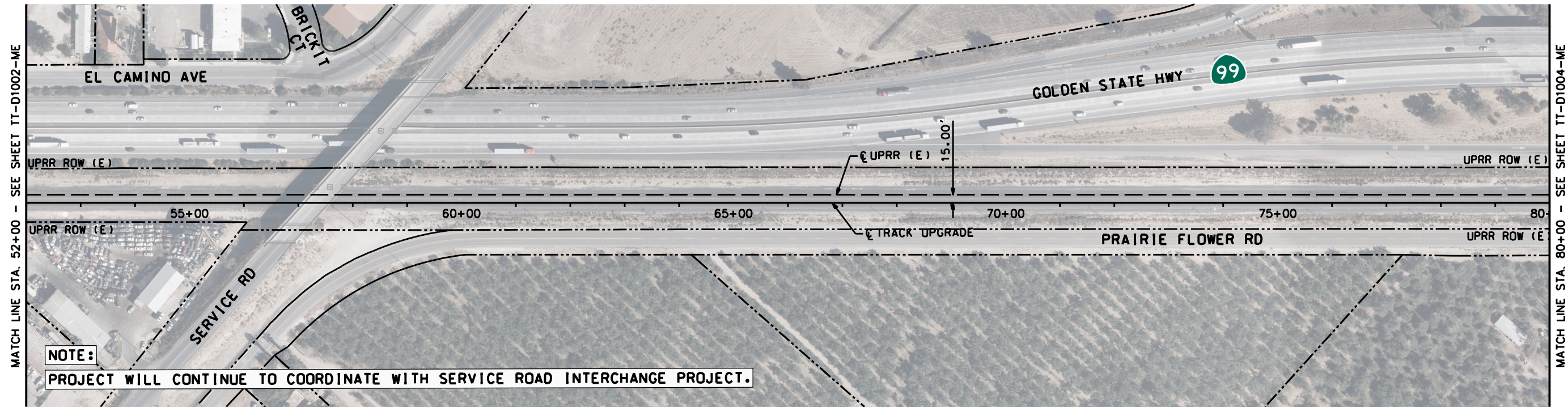
TRANSPORTATION
AECOM
AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600
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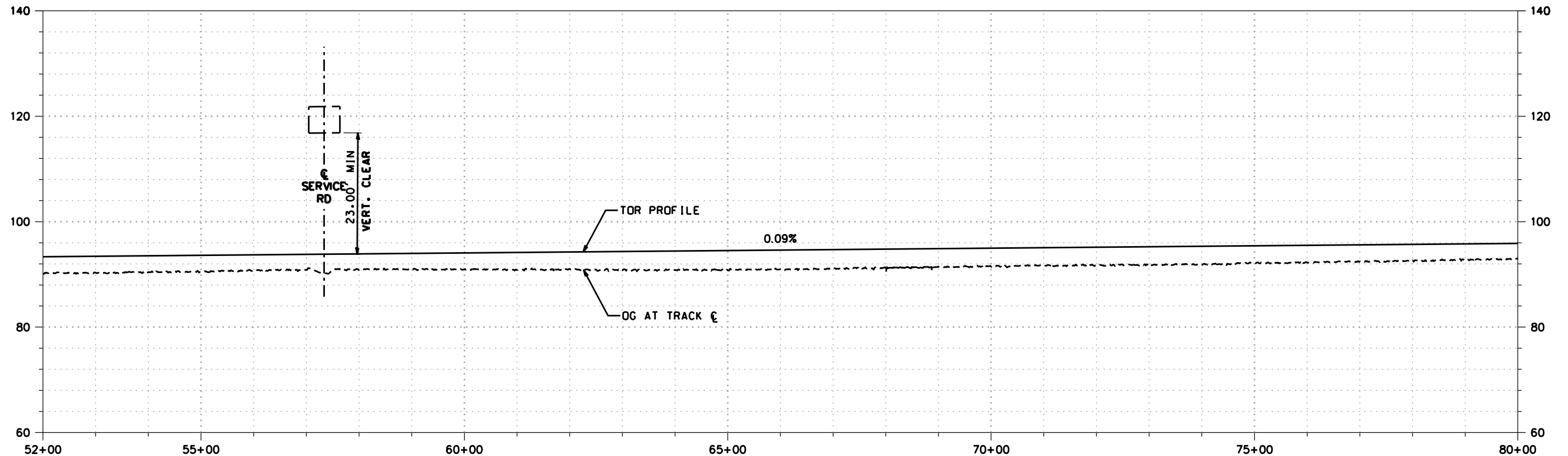
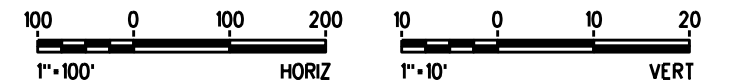
SAN JOAQUIN
REGIONAL
RAIL COMMISSION

SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
CERES STATION TRACK IMPROVEMENTS
TRACK ALIGNMENT - PLAN

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1001-ME
SCALE AS SHOWN
SHEET NO. 30 OF 287



PLAN



PROFILE

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DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

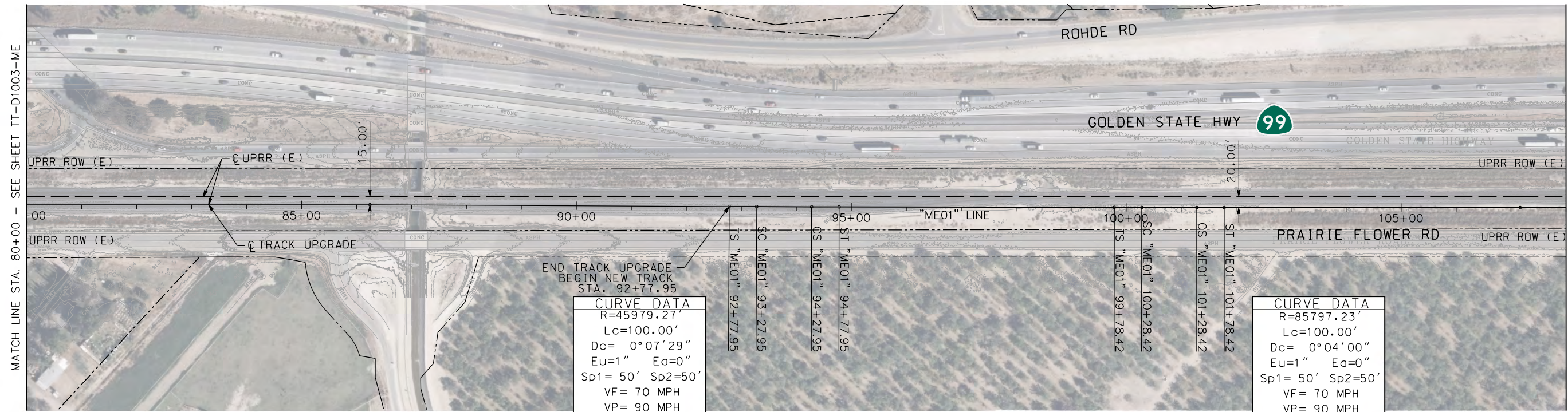
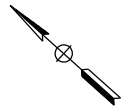
TRANSPORTATION	AECOM
AECOM USA, Inc.	
300 Lakeside Drive, Suite 400	
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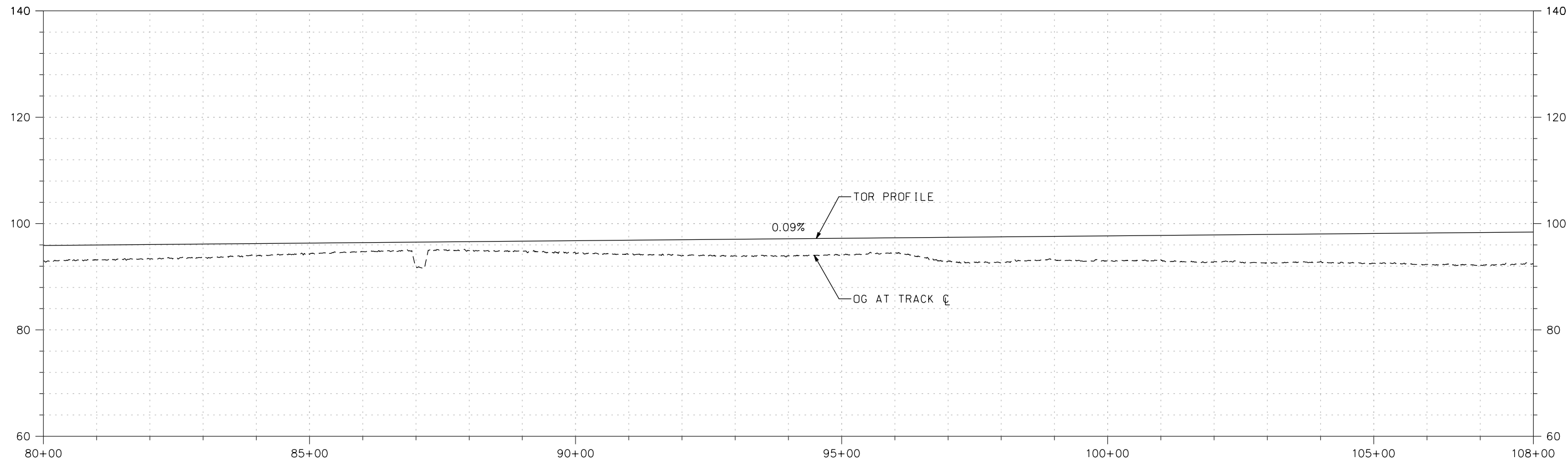
SAN JOAQUIN
REGIONAL
RAIL COMMISSION

SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 52+00 TO STA. 80+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1003-ME
SCALE	AS SHOWN
SHEET NO.	32 OF 287



PLAN



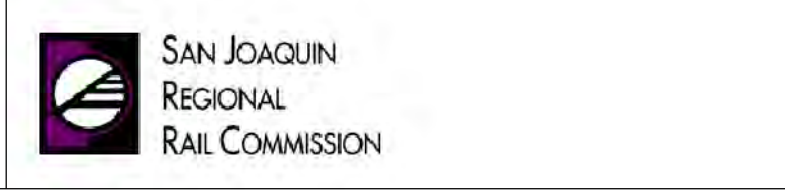
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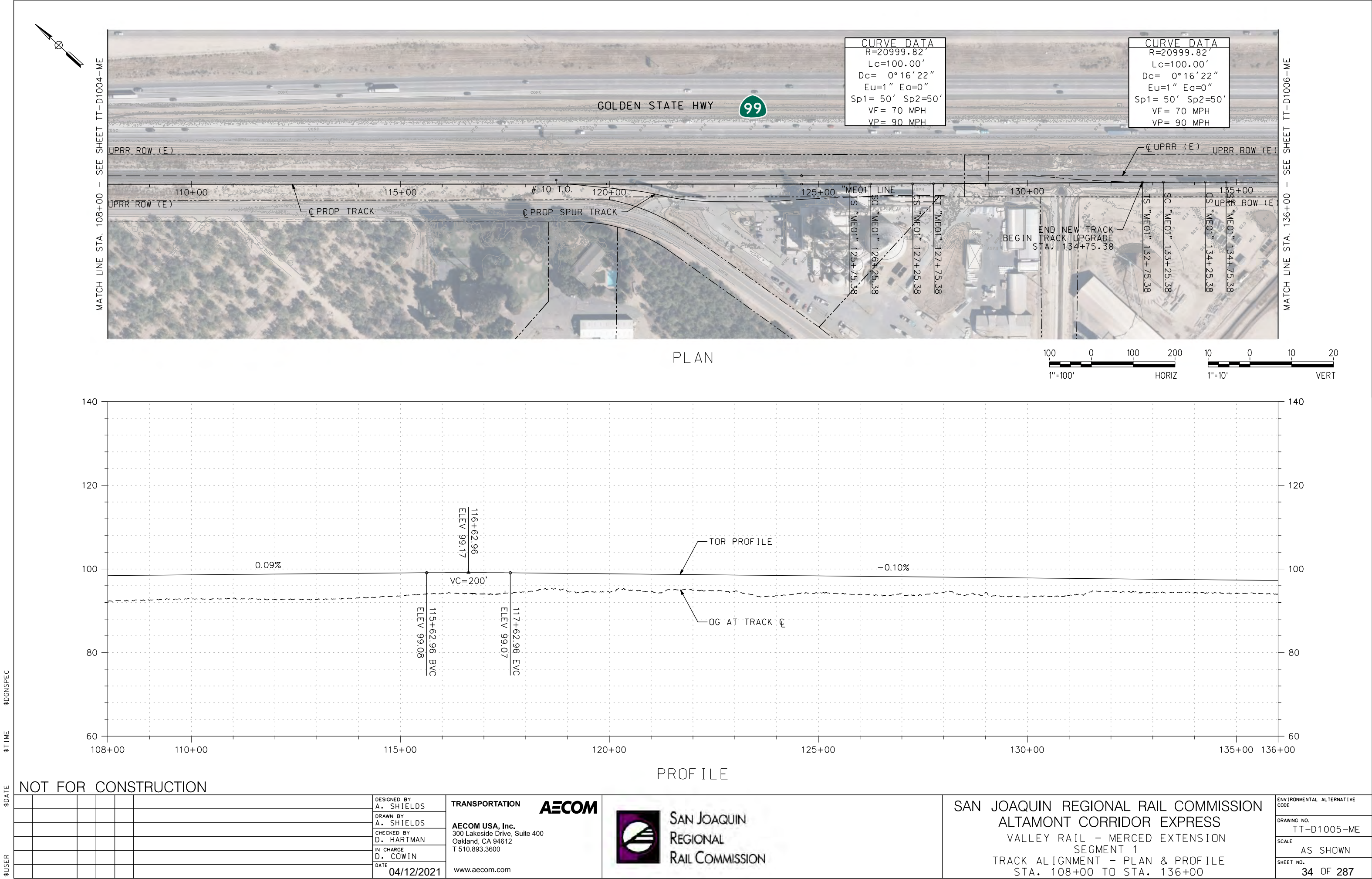
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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

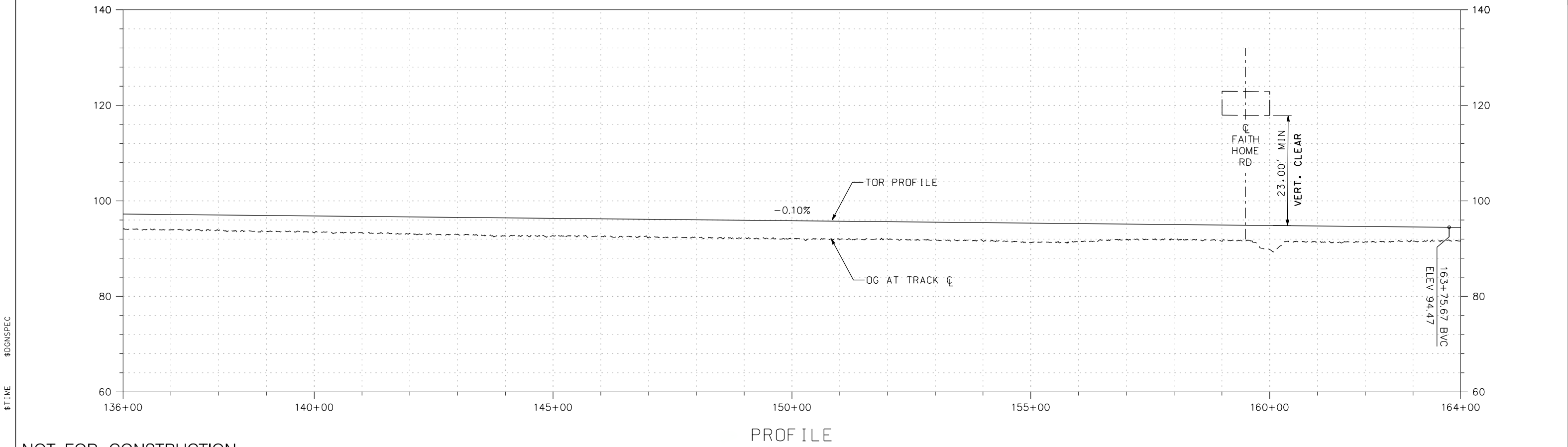
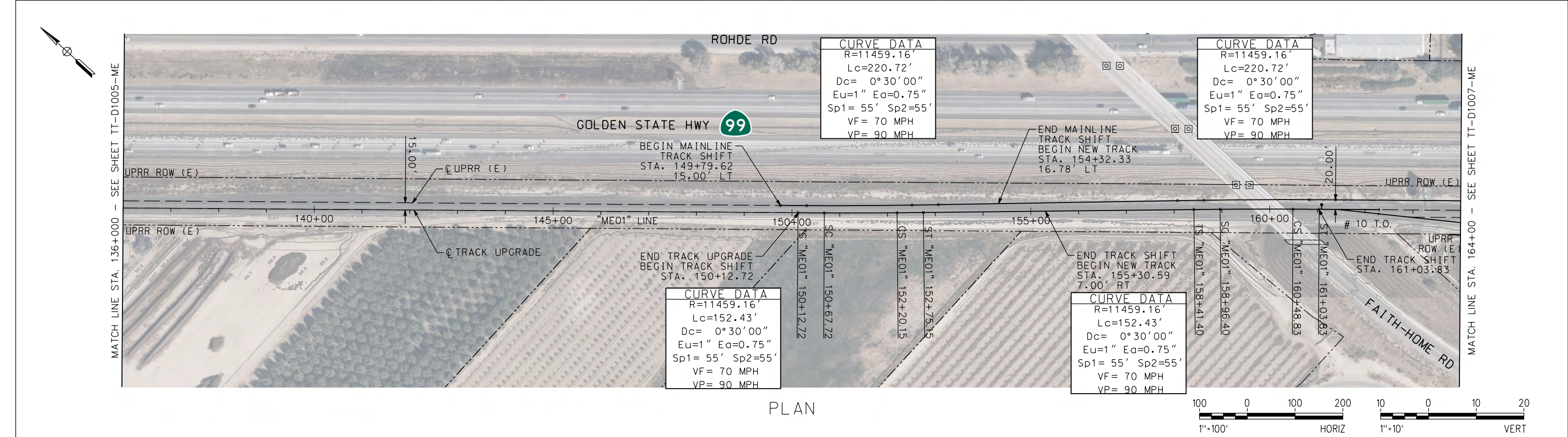
TRANSPORTATION AECOM
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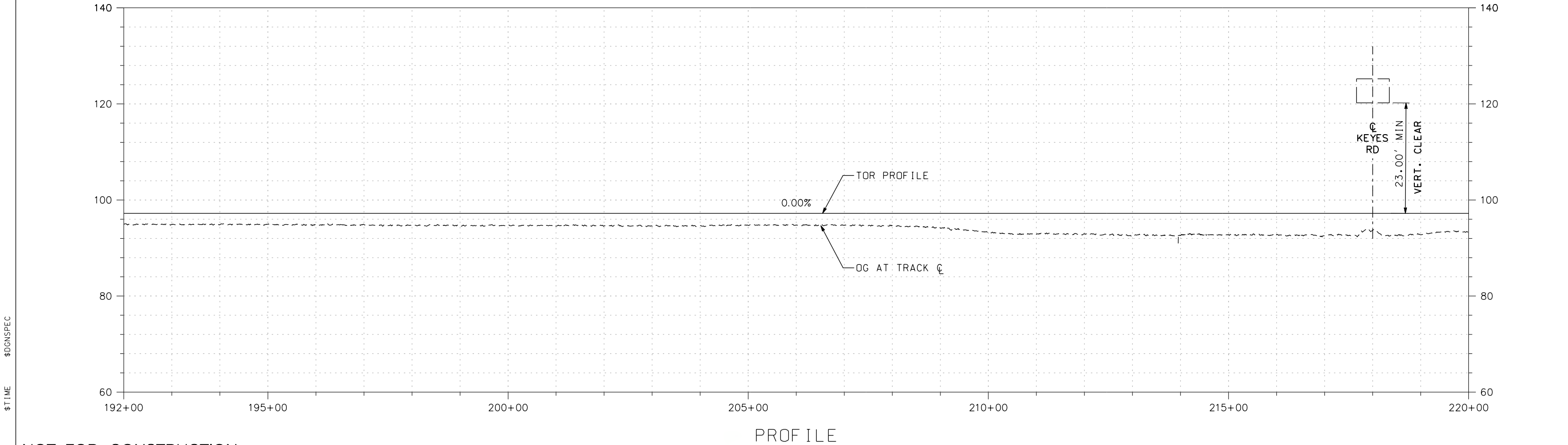
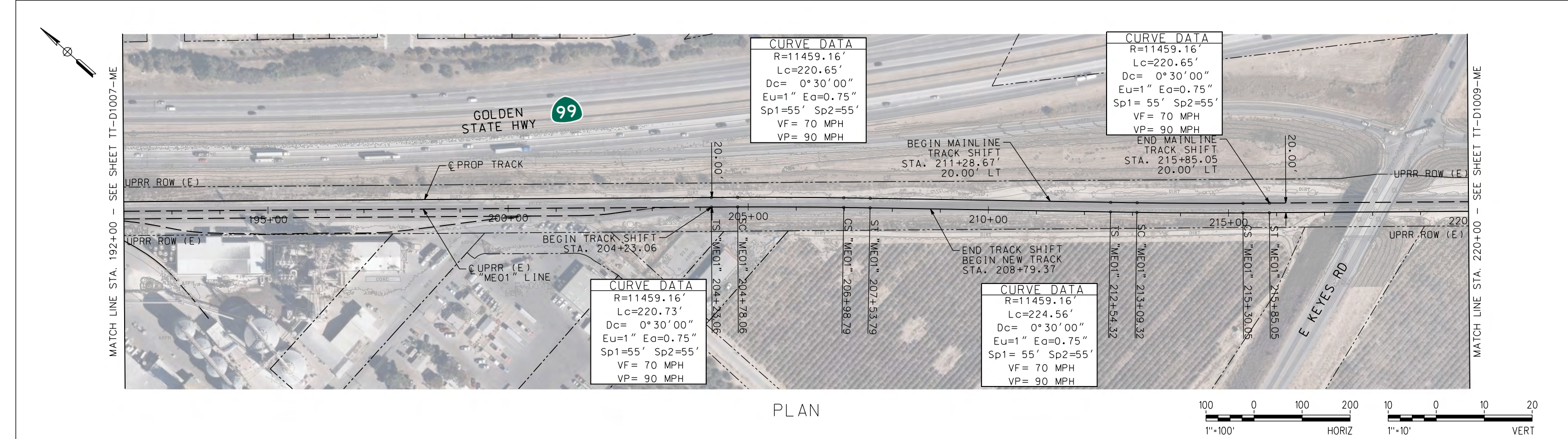


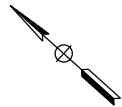
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL – MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT – PLAN & PROFILE
STA. 80+00 TO STA. 108+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1004-ME
SCALE AS SHOWN
SHEET NO. 33 OF 287

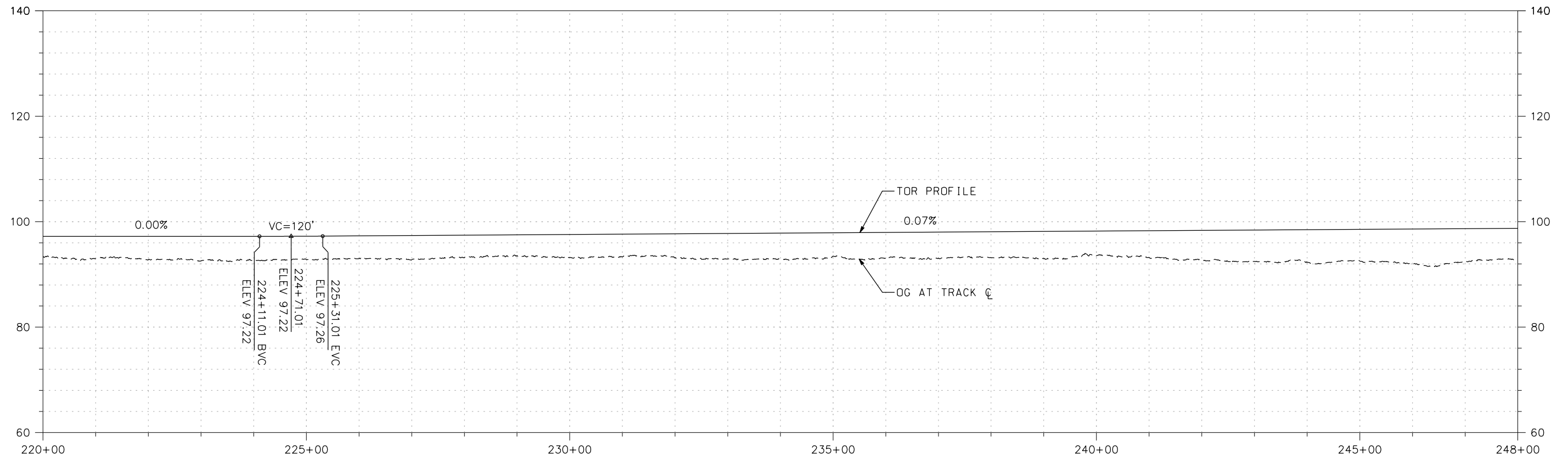
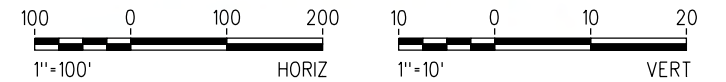








PLAN



PROFILE

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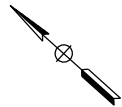
DESIGNED BY
A. SHIELDS
DRAWN BY
A. SHIELDS
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

TRANSPORTATION
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AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
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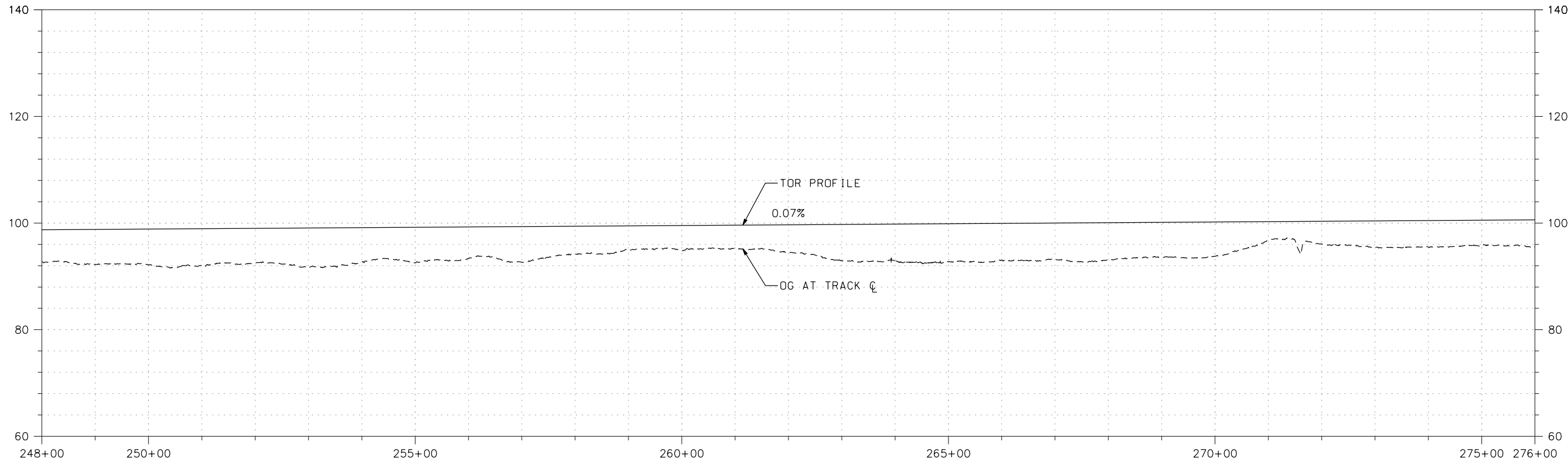


SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 220+00 TO STA. 248+00

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-D1009-ME
SCALE
AS SHOWN
SHEET NO.
38 OF 287



PLAN



PROFILE

\$DATE \$TIME \$DGN\$SPEC \$USER

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DESIGNED BY
A. SHIELDS
DRAWN BY
A. SHIELDS
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

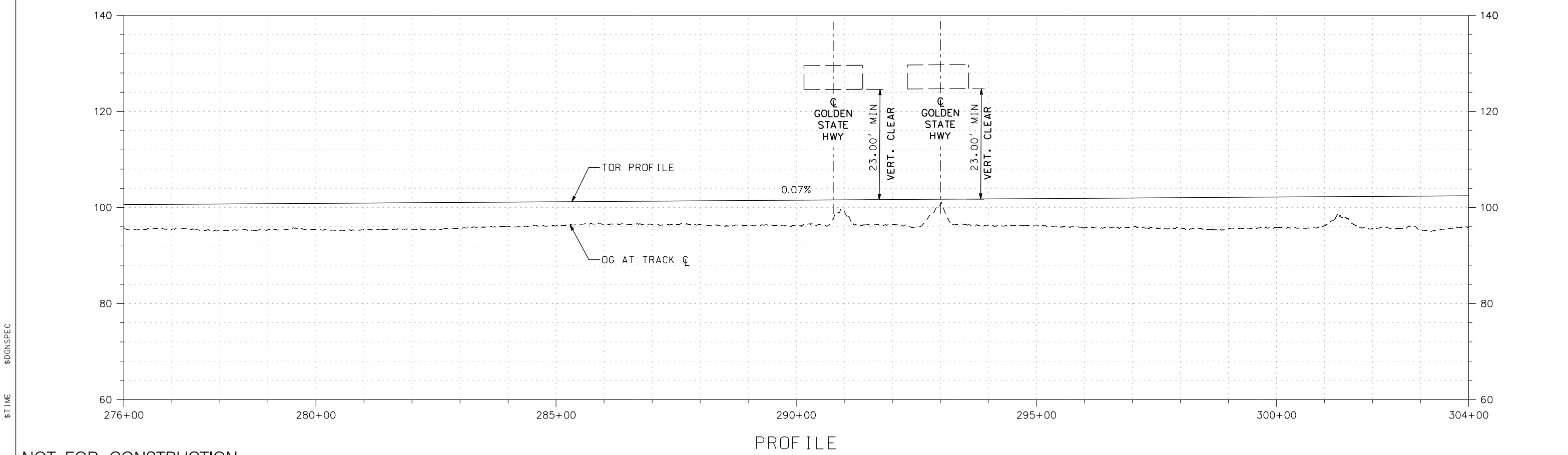
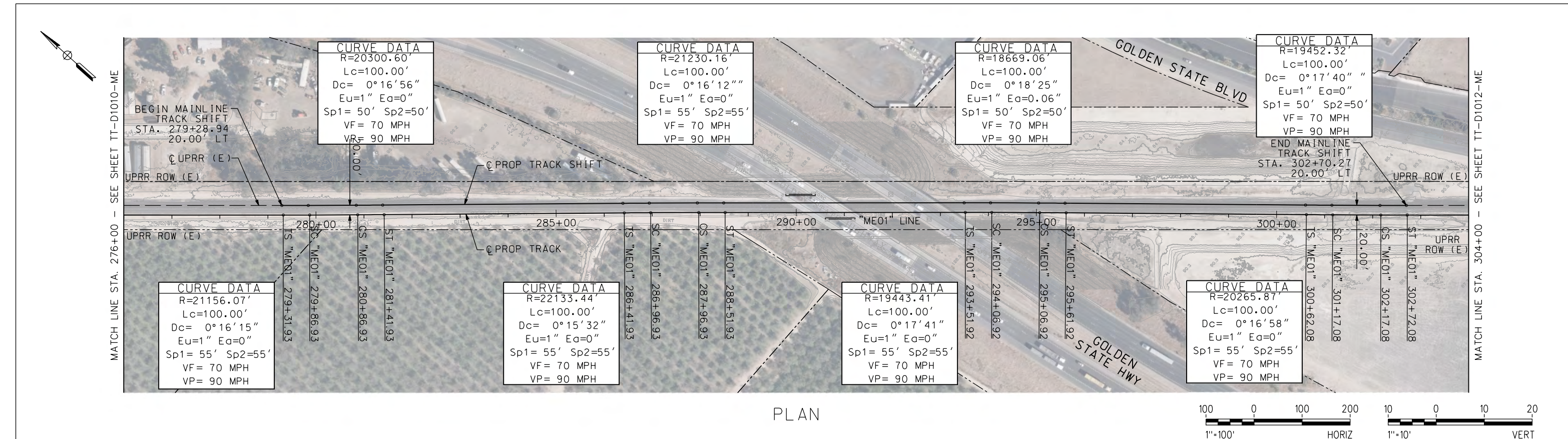
TRANSPORTATION
AECOM
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Oakland, CA 94612
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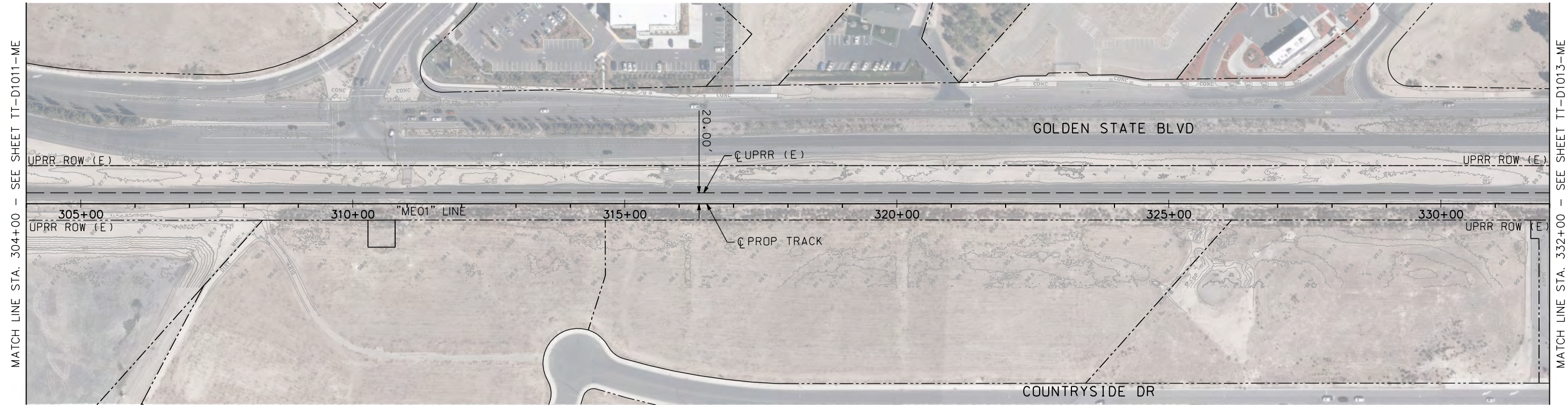
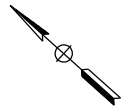


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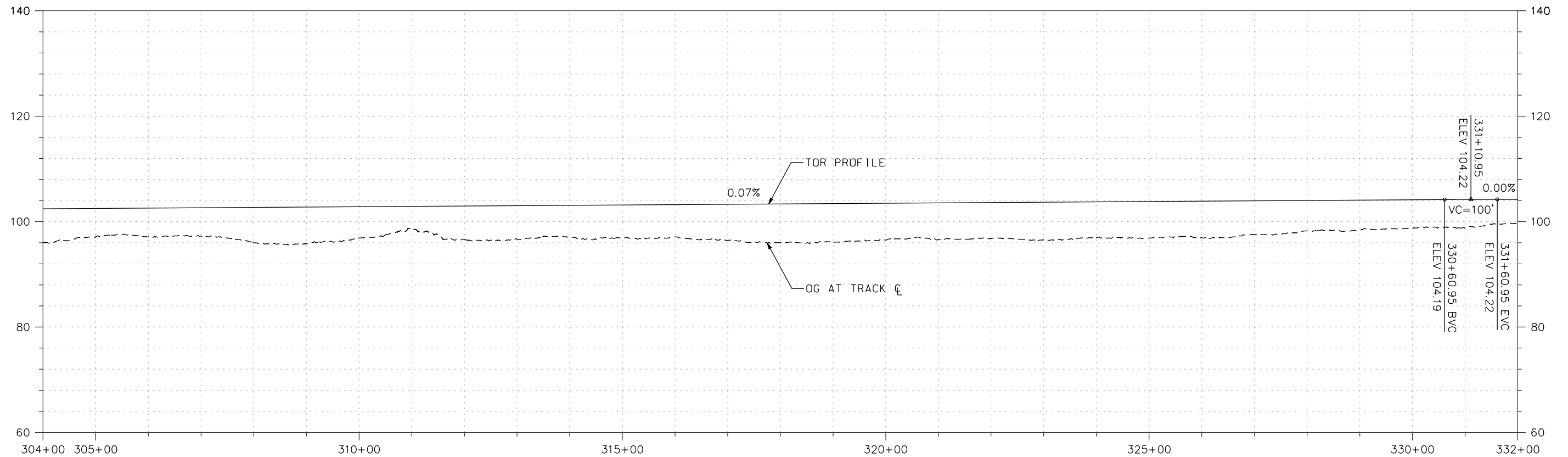
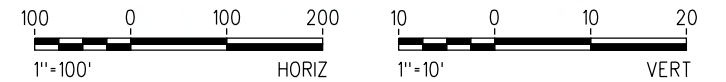
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 248+00 TO STA. 276+00

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-D1010-ME
SCALE
AS SHOWN
SHEET NO.
39 OF 287





PLAN



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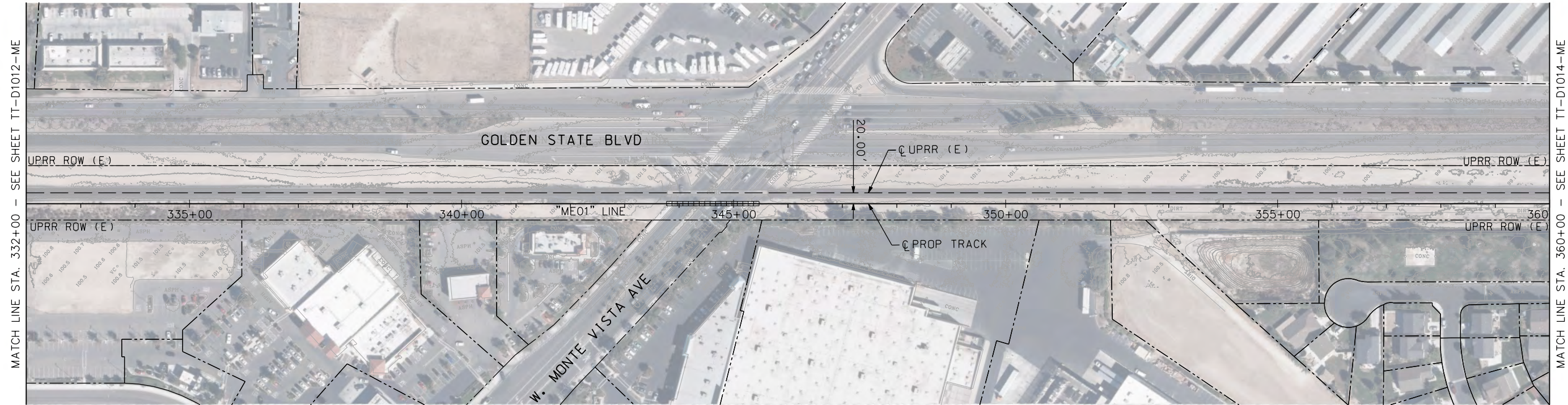
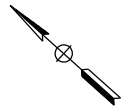
DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

TRANSPORTATION
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AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600
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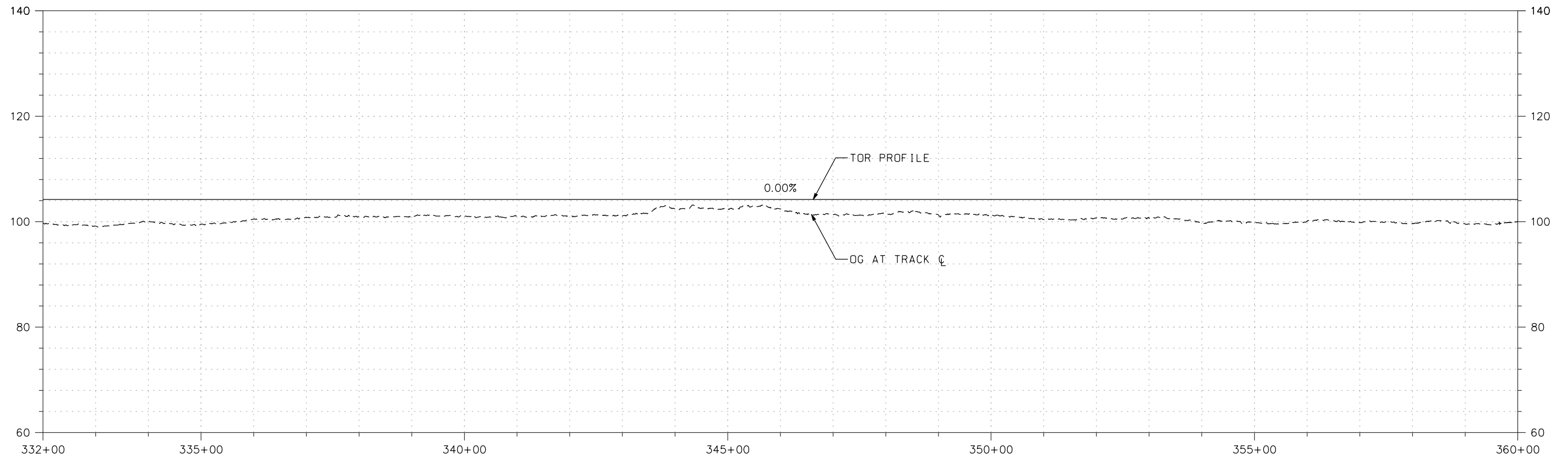
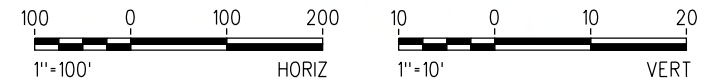


SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 304+00 TO STA. 332+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1012-ME
SCALE AS SHOWN
SHEET NO. 41 OF 287



PLAN

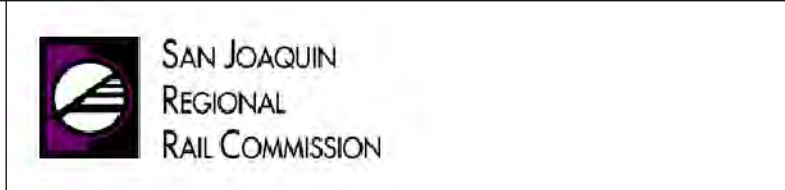


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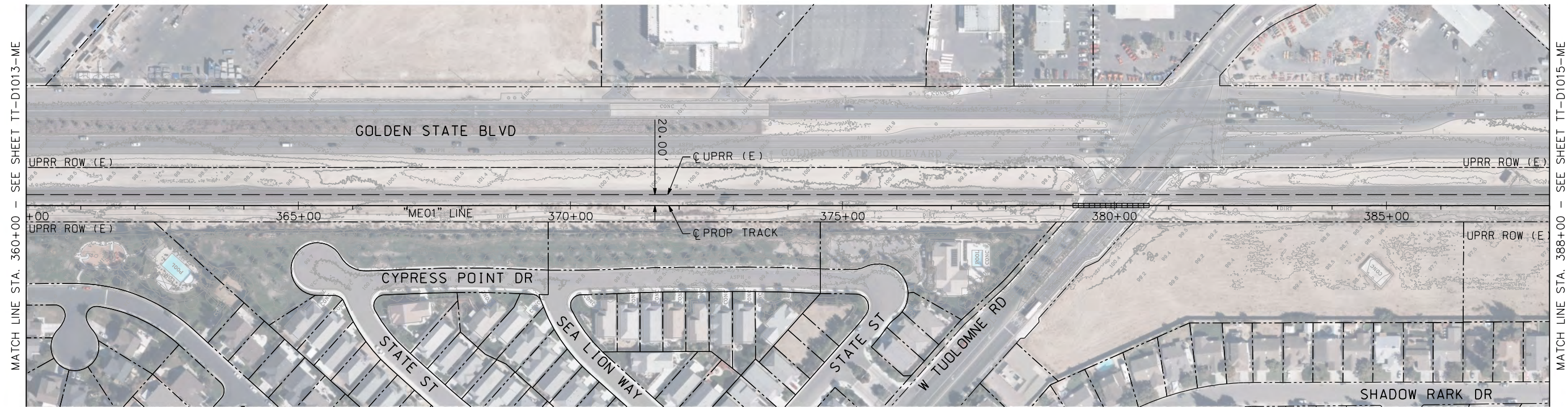
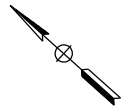
DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

TRANSPORTATION AECOM
AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600
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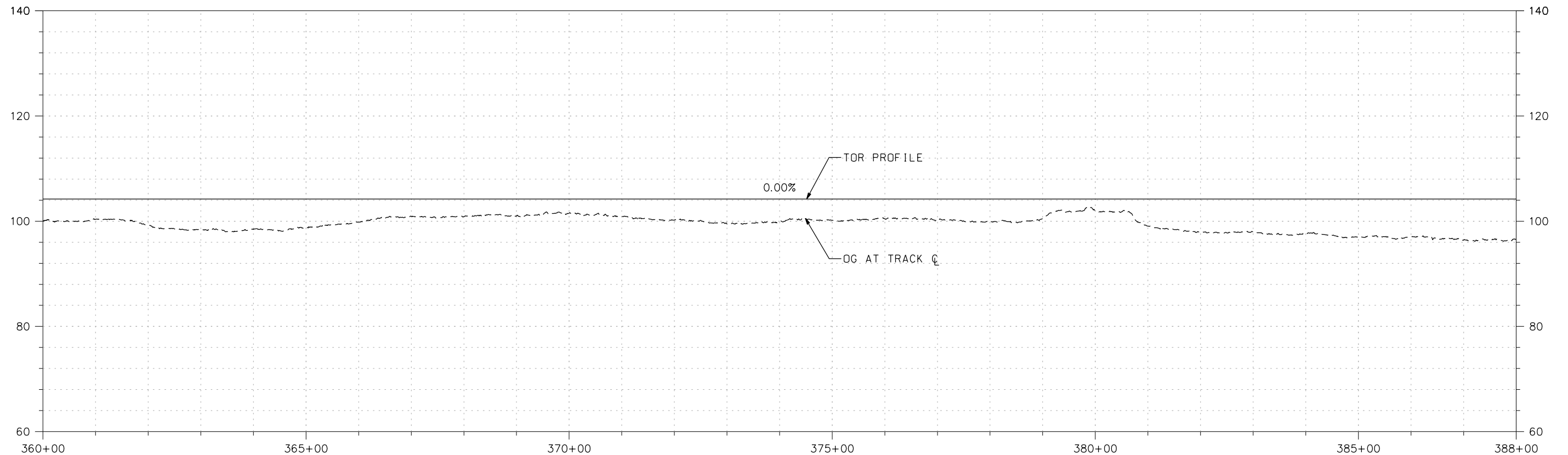
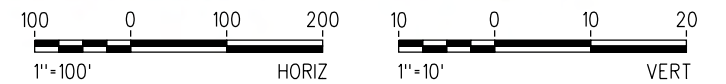


SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION SEGMENT 1 TRACK ALIGNMENT - PLAN & PROFILE STA. 332+00 TO STA. 360+00
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ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1013-ME
SCALE AS SHOWN
SHEET NO. 42 OF 287



PLAN



PROFILE

\$DATE \$TIME \$DGN\$SPEC \$USER

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

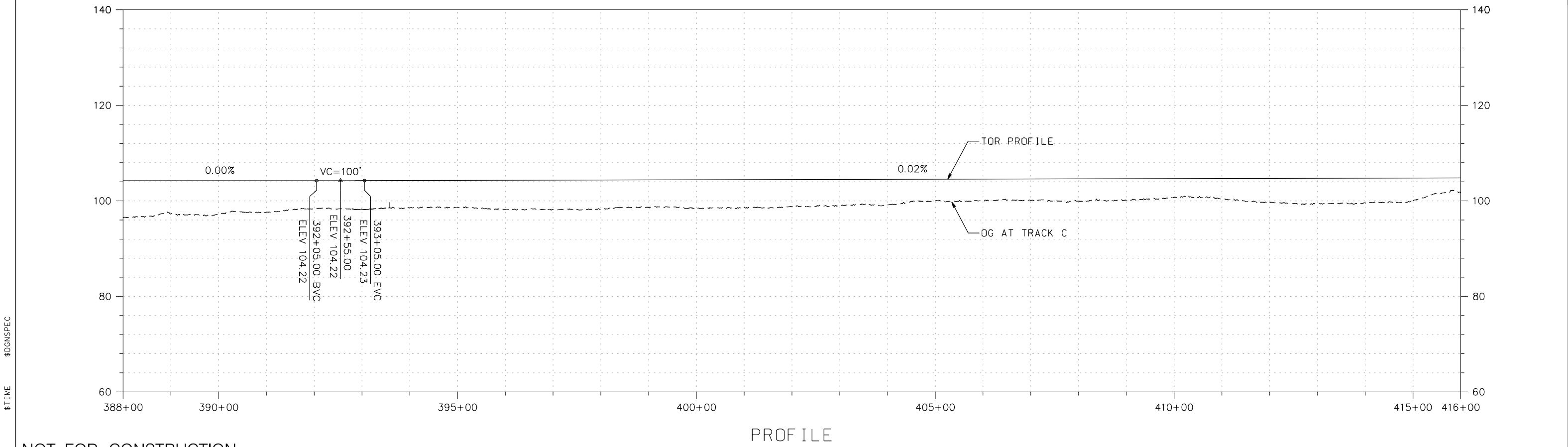
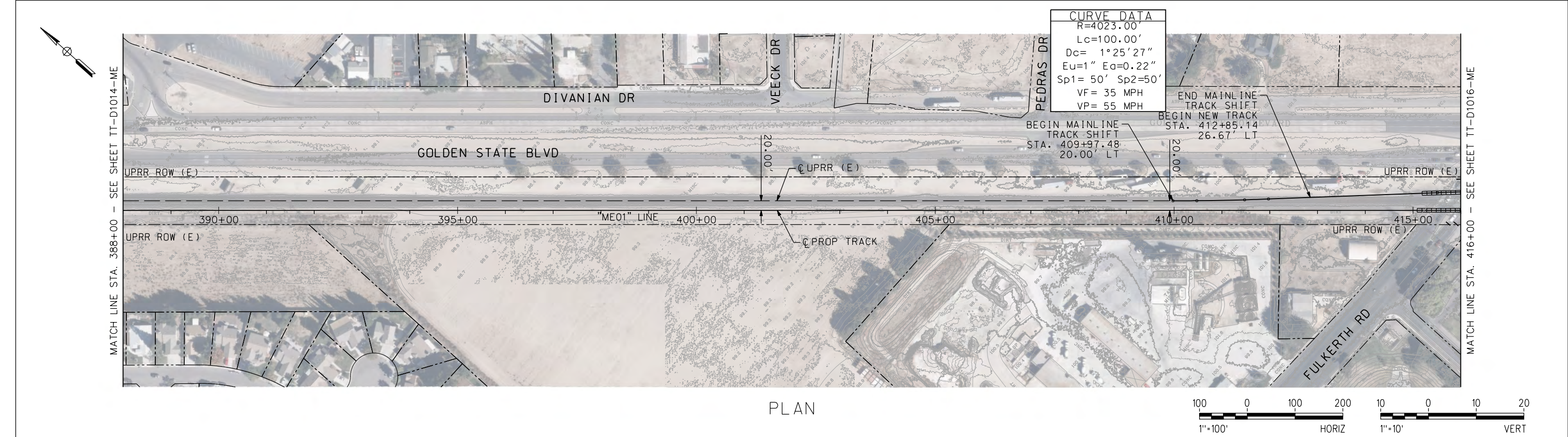
TRANSPORTATION
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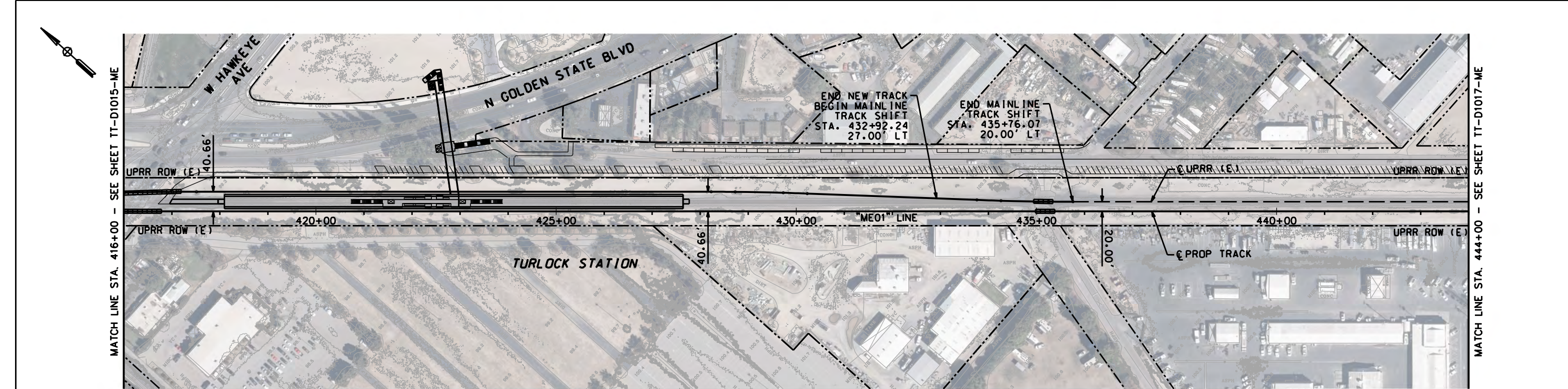
SAN JOAQUIN
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SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL – MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT – PLAN & PROFILE
STA. 360+00 TO STA. 388+00

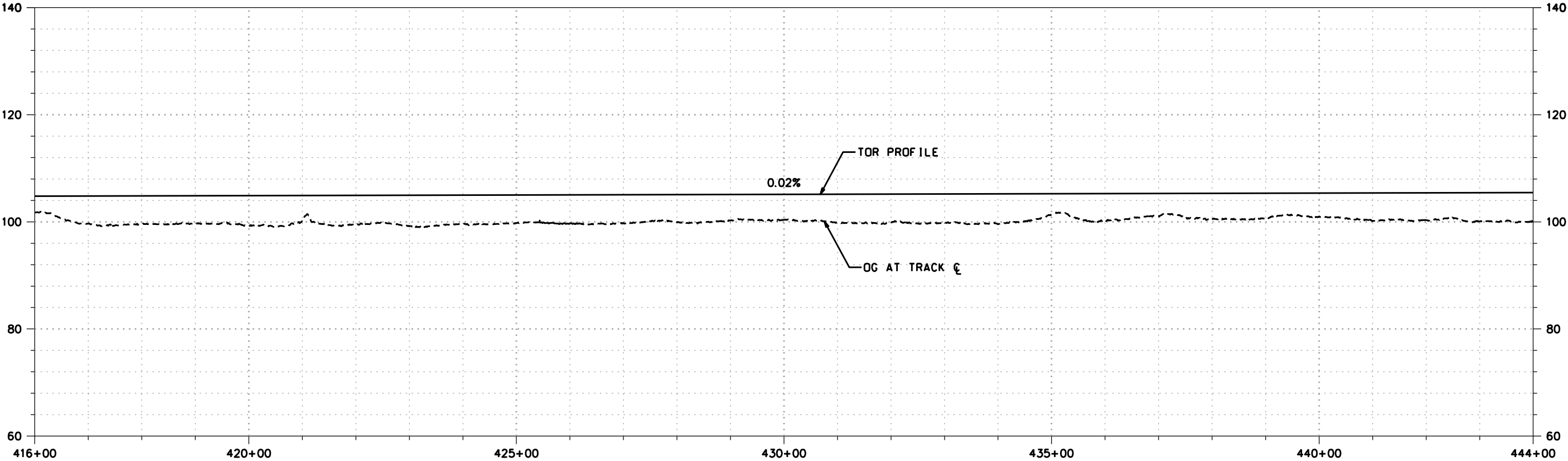
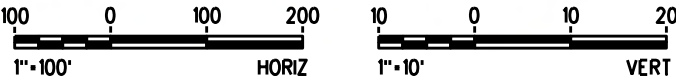
ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1014-ME
SCALE AS SHOWN
SHEET NO. 43 OF 287



\$ \$USER						DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com	 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL – MERCED EXTENSION SEGMENT 2 TRACK ALIGNMENT – PLAN & PROFILE STA. 388+00 TO STA. 416+00	ENVIRONMENTAL ALTERNATIVE CODE
						DRAWN BY A. SHIELDS				DRAWING NO. TT-D1015-ME
						CHECKED BY D. HARTMAN				SCALE AS SHOWN
						IN CHARGE D. COWIN				SHEET NO. 44 OF 287
						DATE 04/12/2021				



PLAN



PROFILE

\$DATE \$TIME \$USER \$DGN \$SPEC

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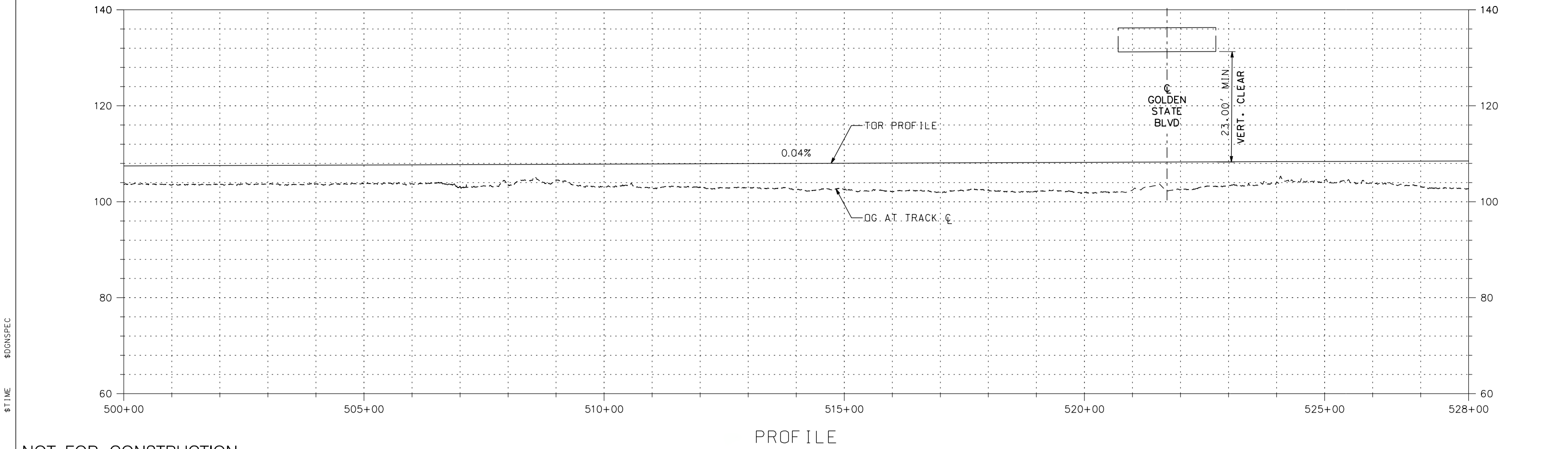
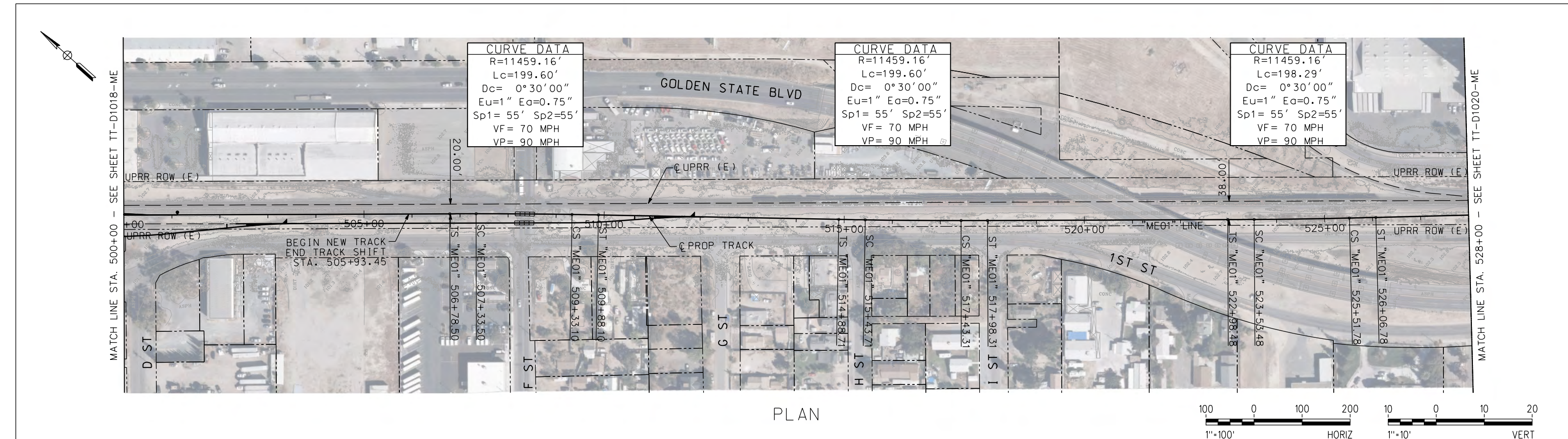
DESIGNED BY
A. SHIELDS
DRAWN BY
A. SHIELDS
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

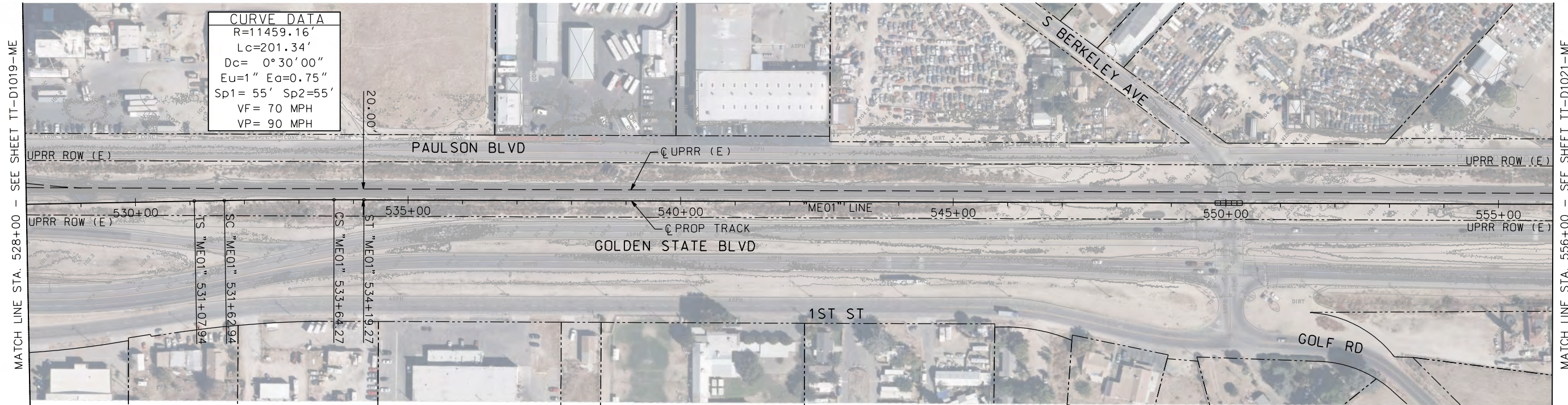
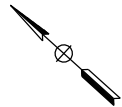
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ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 416+00 TO STA. 444+00

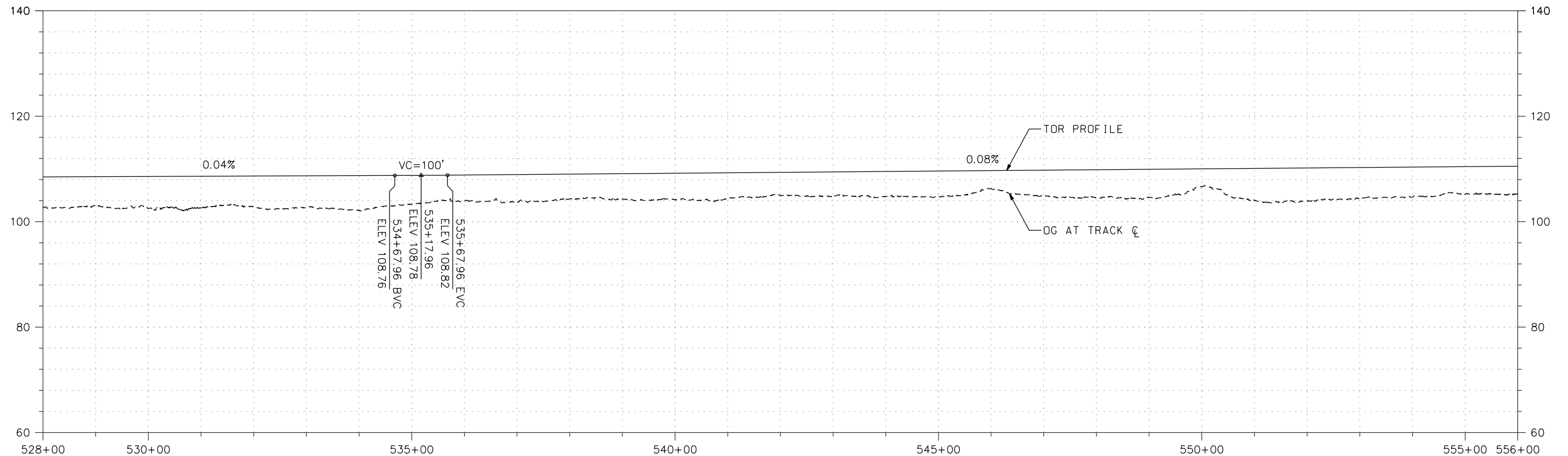
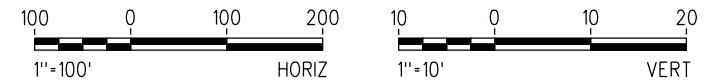
ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-D1016-ME
SCALE
AS SHOWN
SHEET NO.
45 OF 287





CURVE DATA	
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Lc=	201.34'
Dc=	0°30'00"
Eu=	1" Ea=0.75"
Sp1=	55' Sp2=55'
VF=	70 MPH
VP=	90 MPH

PLAN



PROFILE

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\$DATE	\$TIME	\$DGN\$SPEC	\$USER

DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

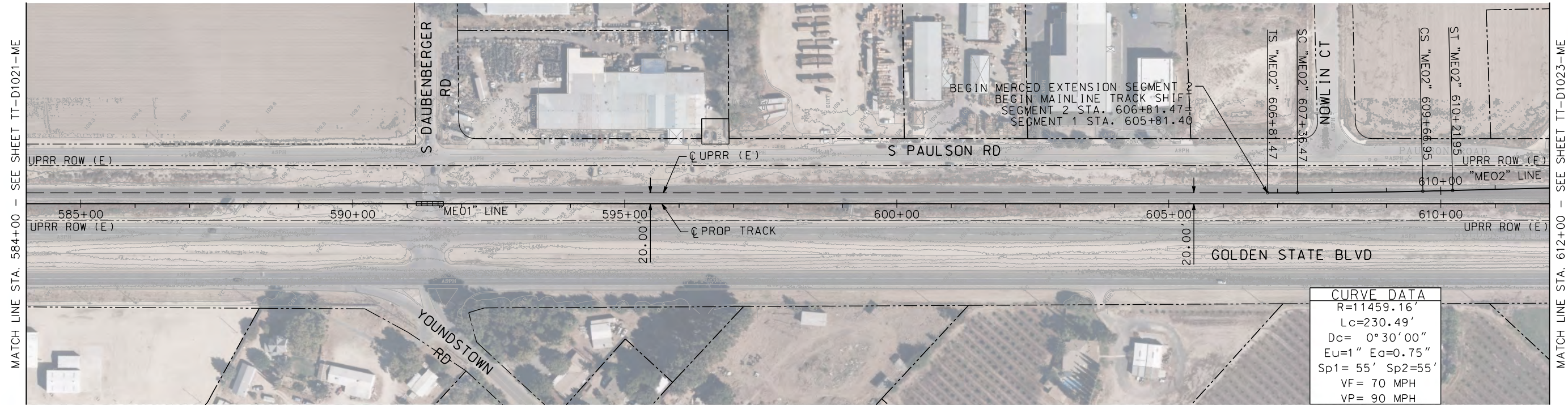
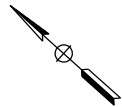
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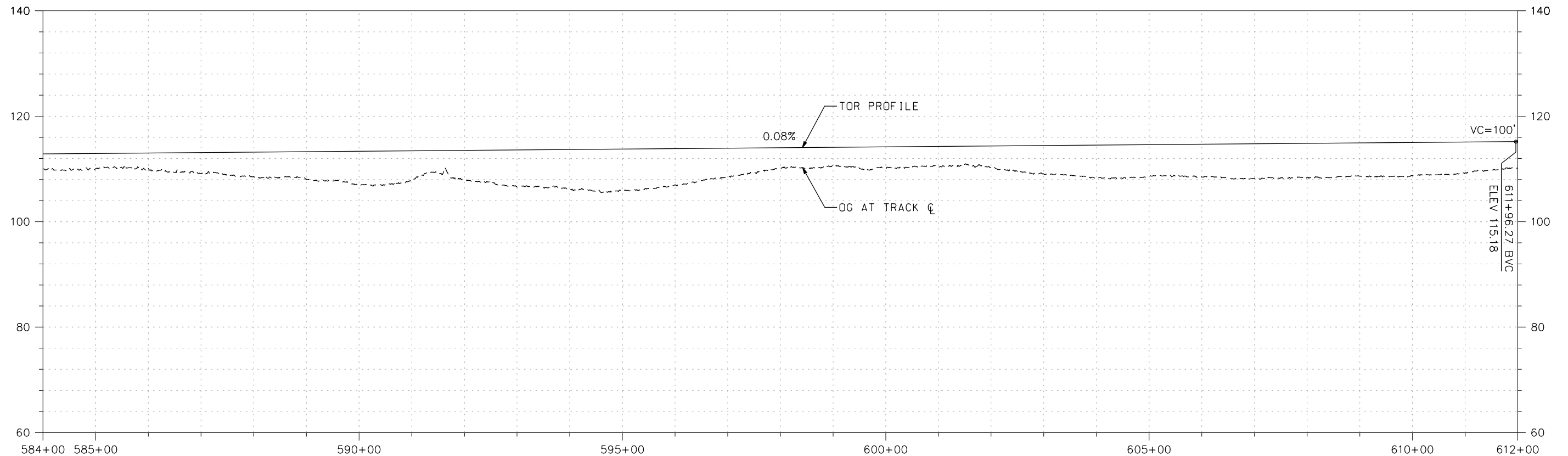
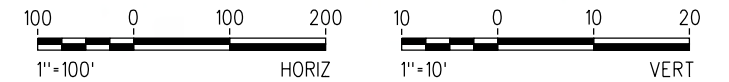
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ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
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STA. 528+00 TO STA. 556+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1020-ME
SCALE AS SHOWN
SHEET NO. 49 OF 287



PLAN



PROFILE

NOT FOR CONSTRUCTION

\$DATE \$TIME \$DGN\$SPEC \$USER

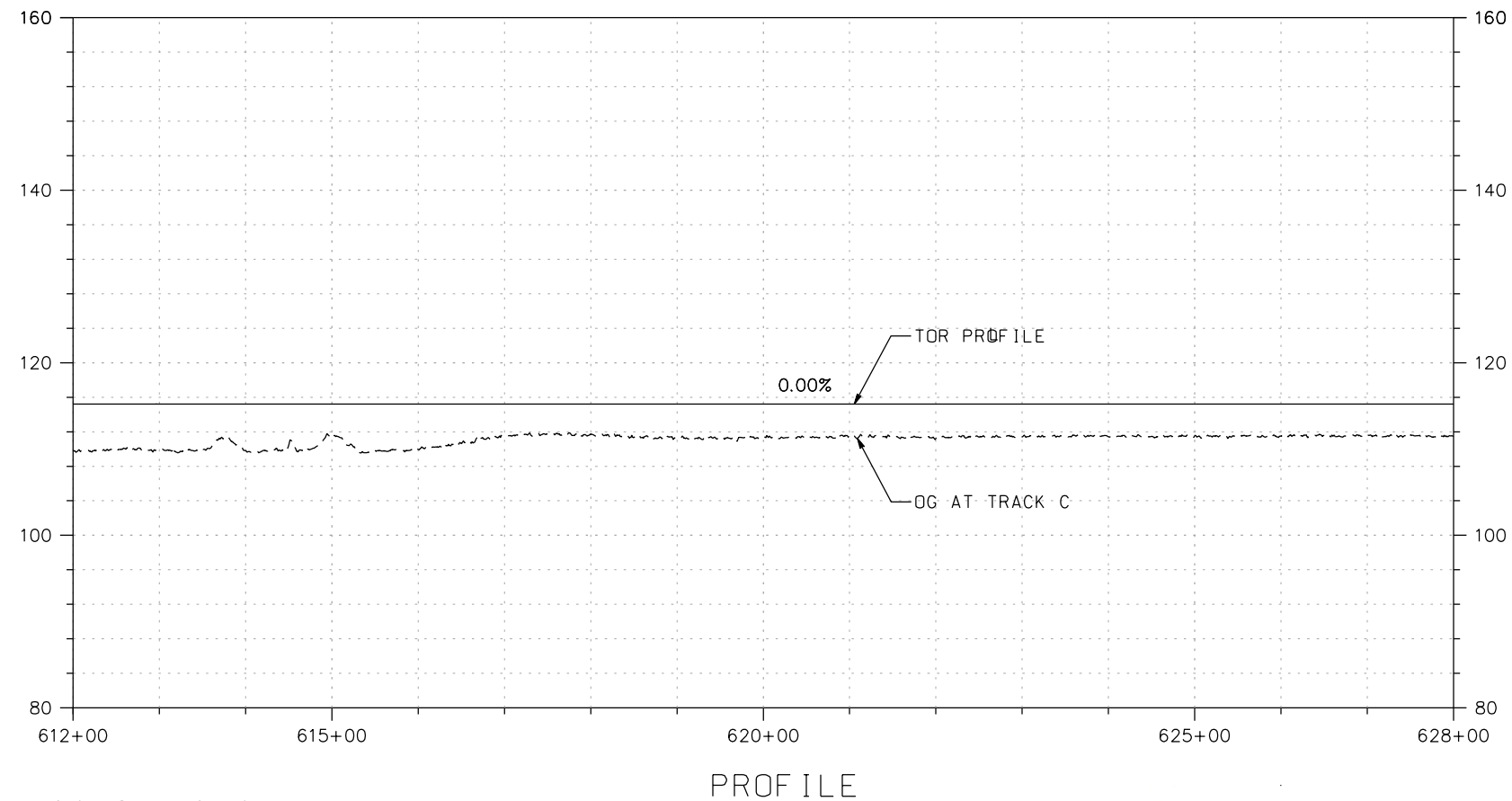
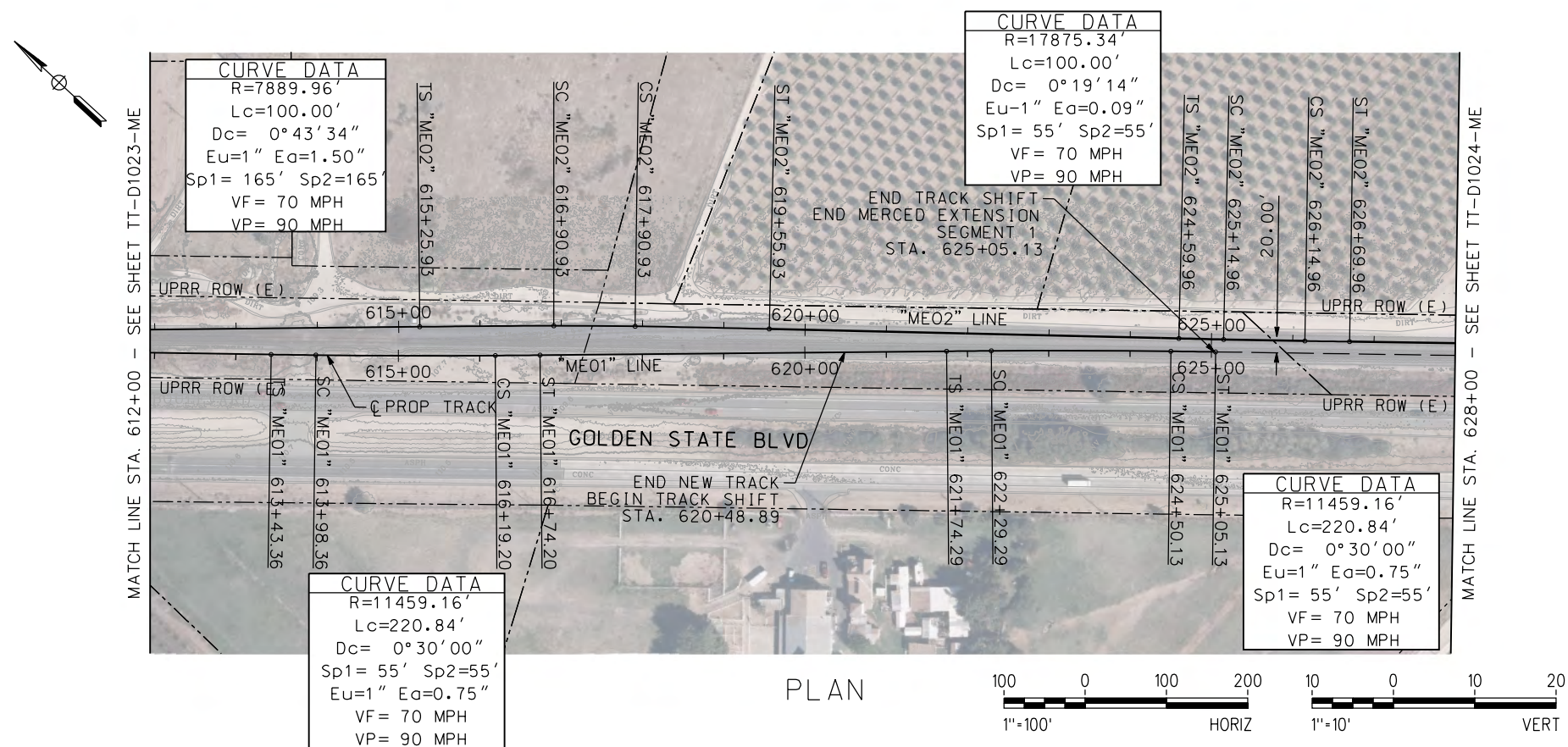
DESIGNED BY
A. SHIELDS
DRAWN BY
A. SHIELDS
CHECKED BY
D. HARTMAN
IN CHARGE
D. COWIN
DATE
04/12/2021

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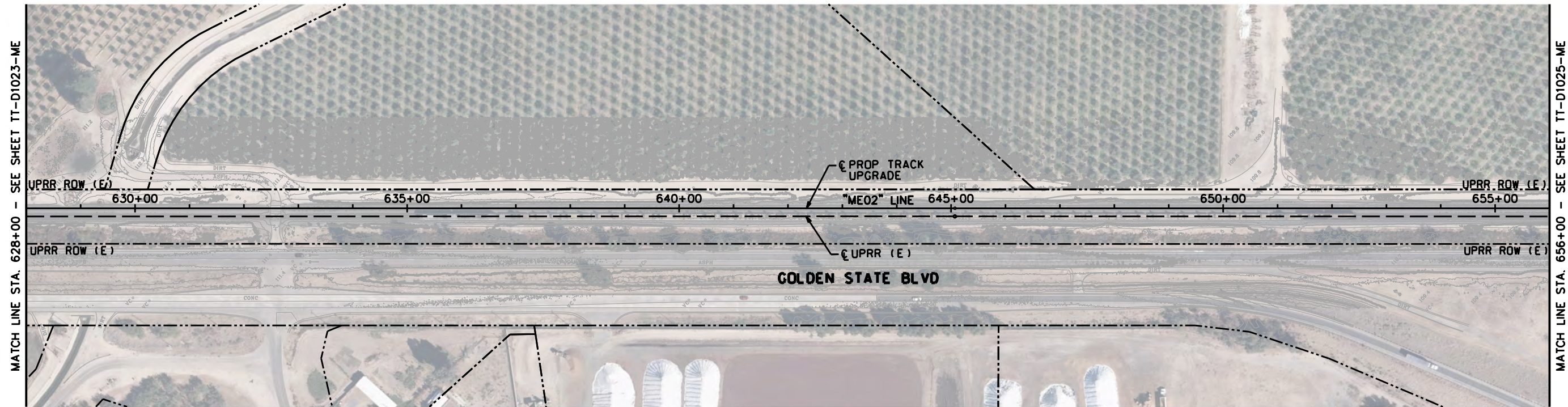
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 1
TRACK ALIGNMENT - PLAN & PROFILE
STA. 584+00 TO STA. 612+00

ENVIRONMENTAL ALTERNATIVE
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DRAWING NO.
TT-D1022-ME
SCALE
AS SHOWN
SHEET NO.
51 OF 287

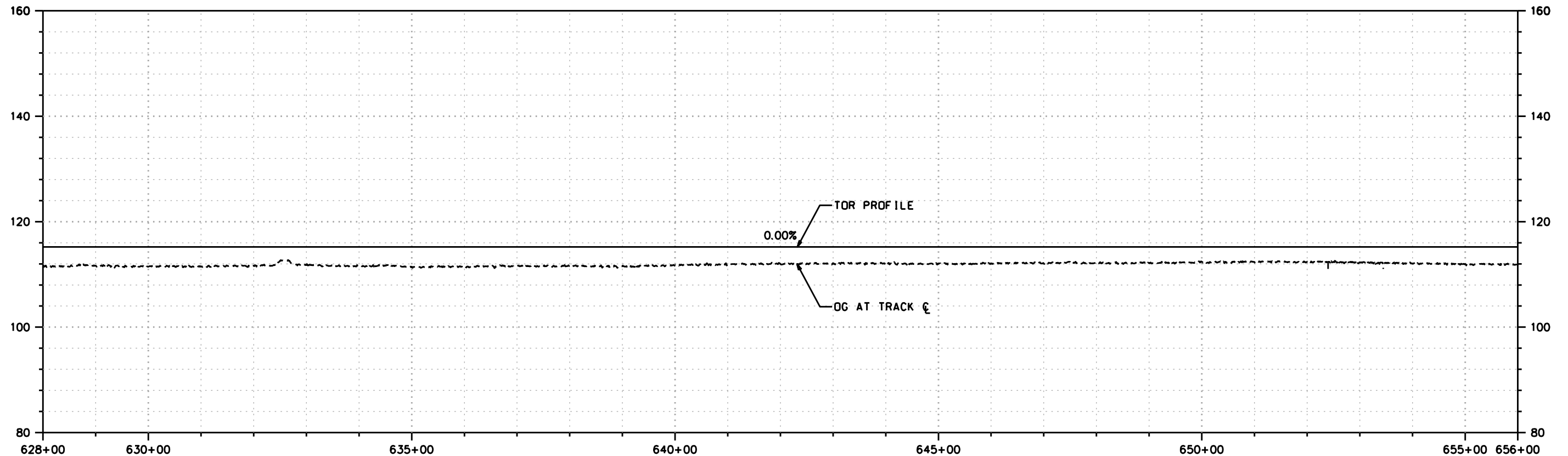
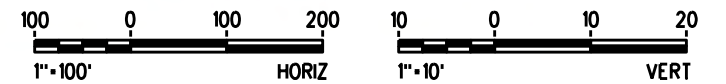


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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

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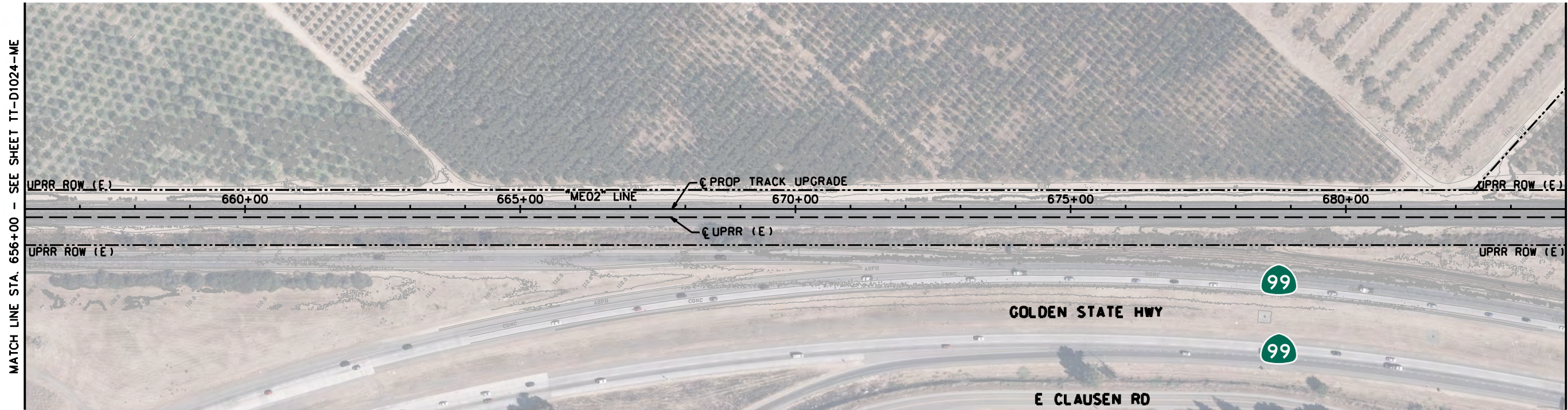
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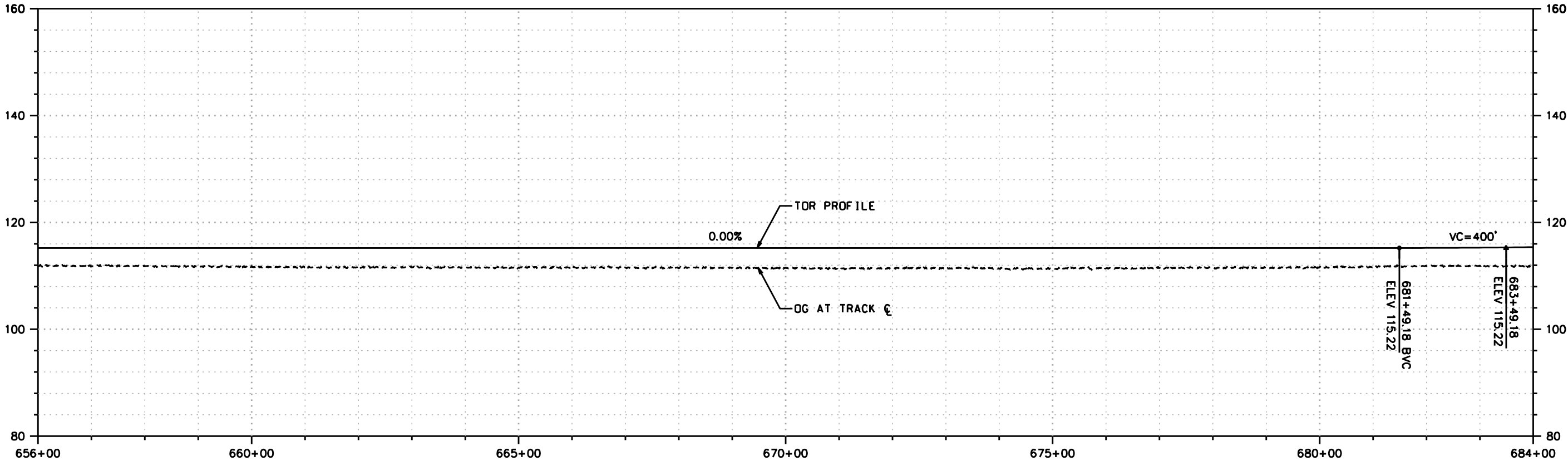
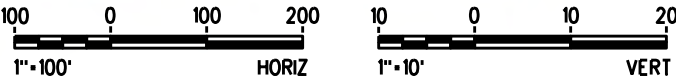
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DRAWING NO. TT-D1024-ME
SCALE AS SHOWN
SHEET NO. 53 OF 287



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D. HARTMAN
IN CHARGE
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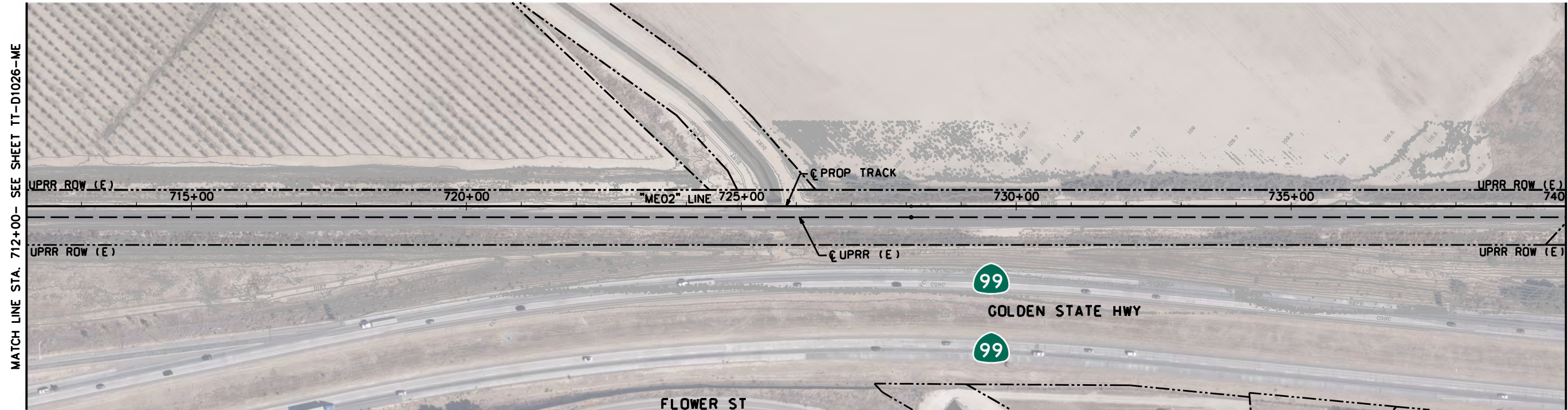
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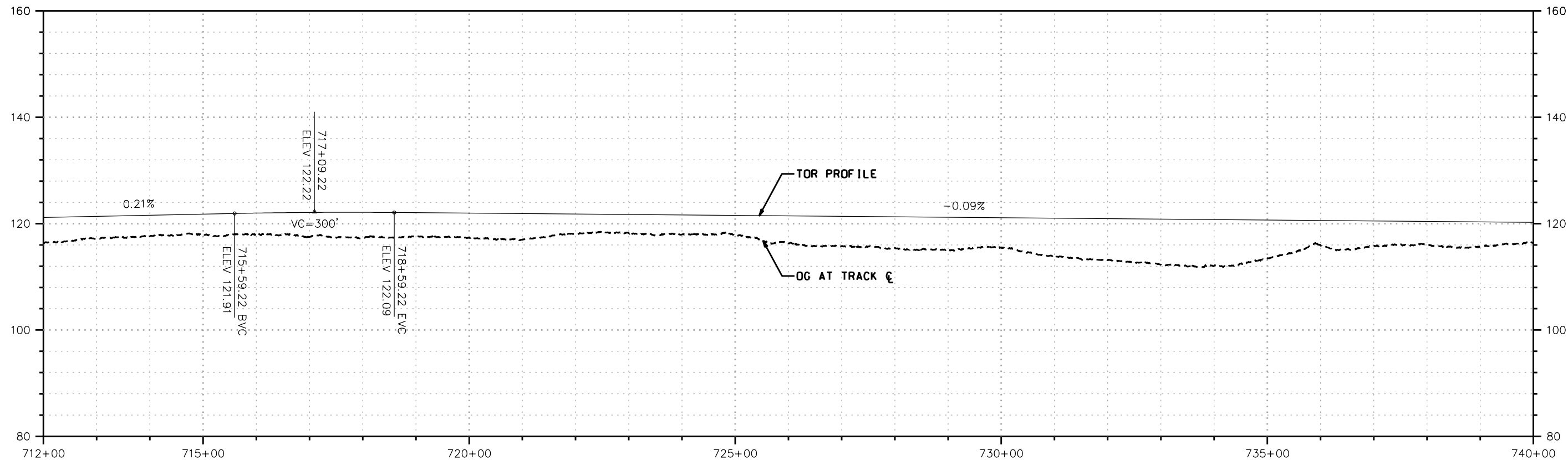
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ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
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STA. 656+00 TO STA. 684+00

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
TT-D1025-ME
SCALE
AS SHOWN
SHEET NO.
54 OF 287



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DATE
04/12/2021

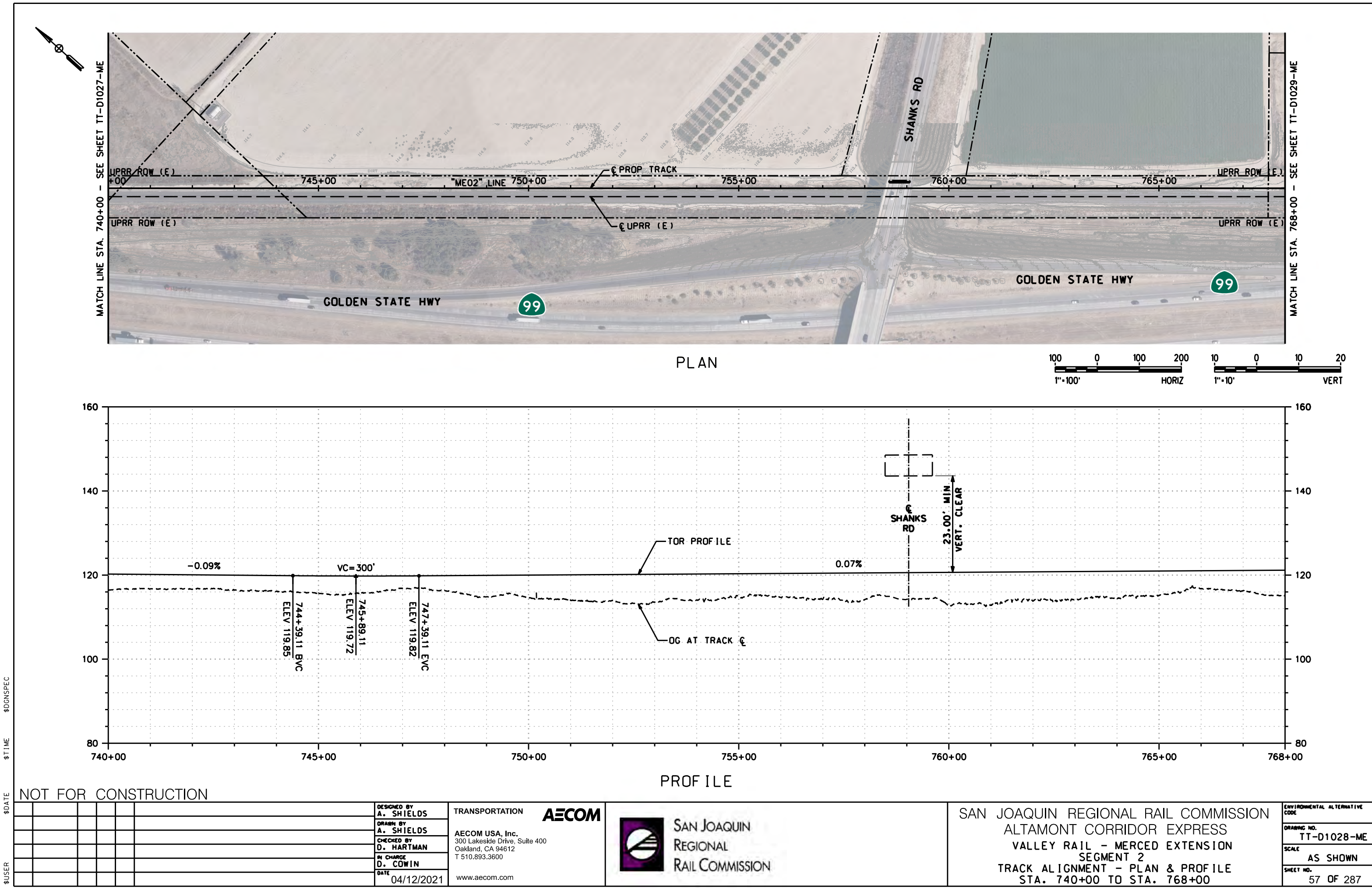
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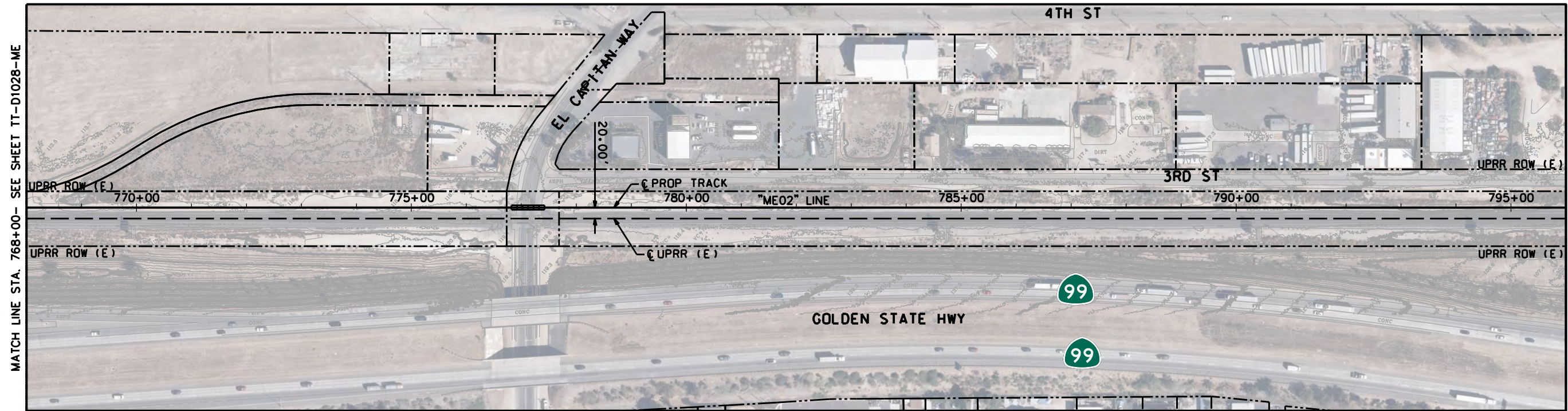


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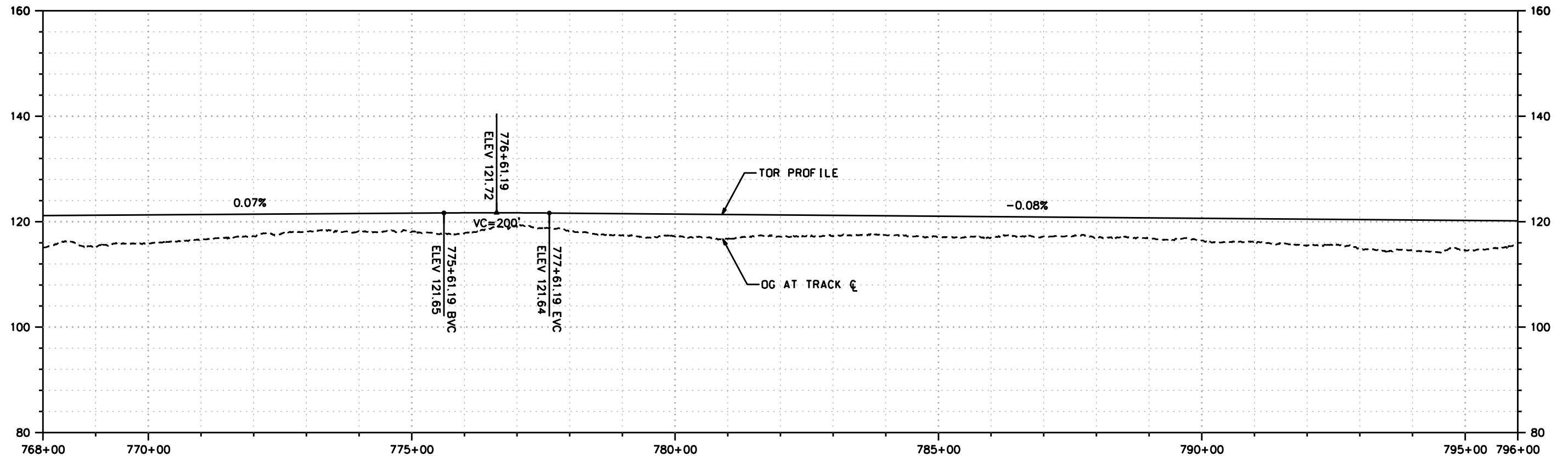
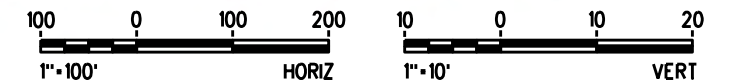
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VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 712+00 TO STA. 740+00

ENVIRONMENTAL ALTERNATIVE
CODE
DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.
56 OF 287





PLAN



PROFILE

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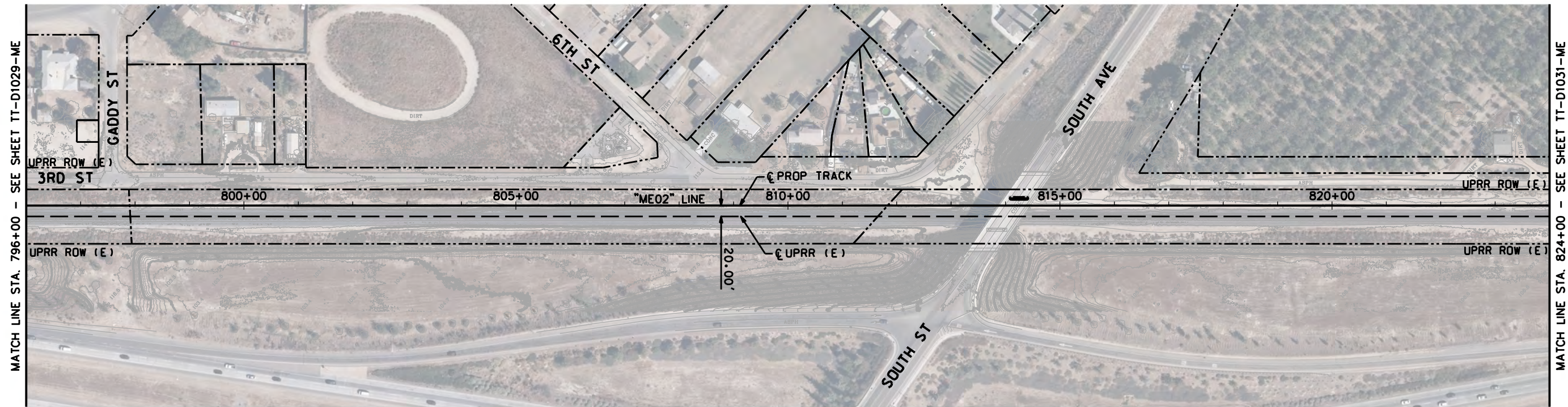
DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

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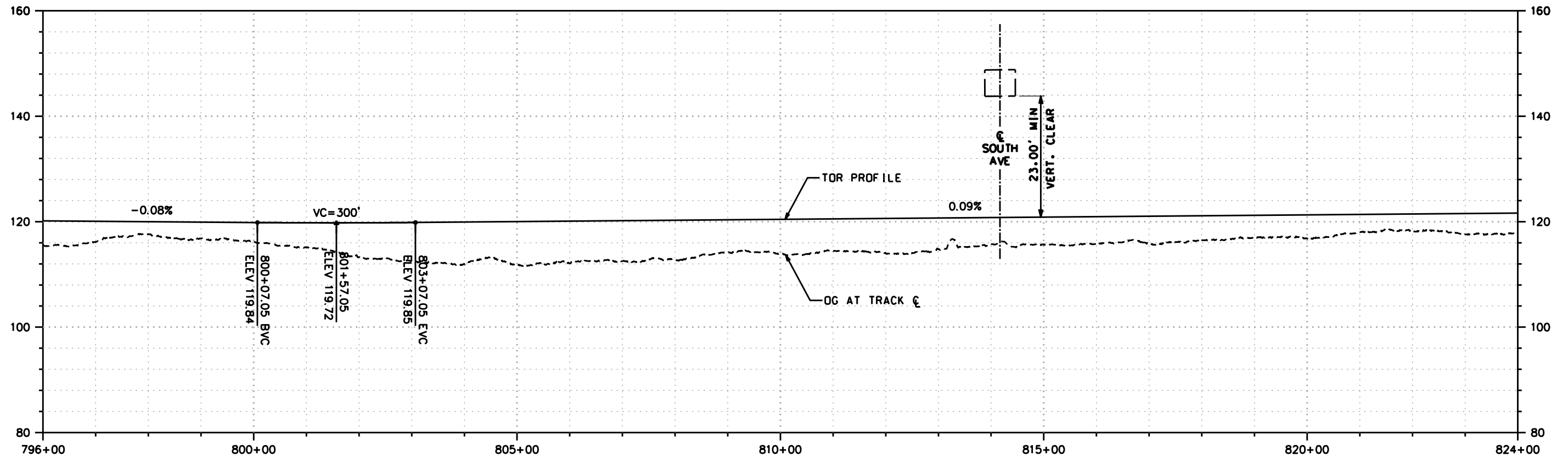
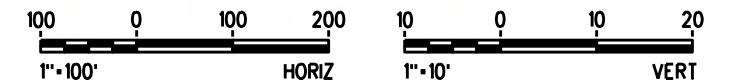


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VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 768+00 TO STA. 796+00

ENVIRONMENTAL ALTERNATIVE CODE
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SCALE AS SHOWN
SHEET NO. 58 OF 287



PLAN



PROFILE

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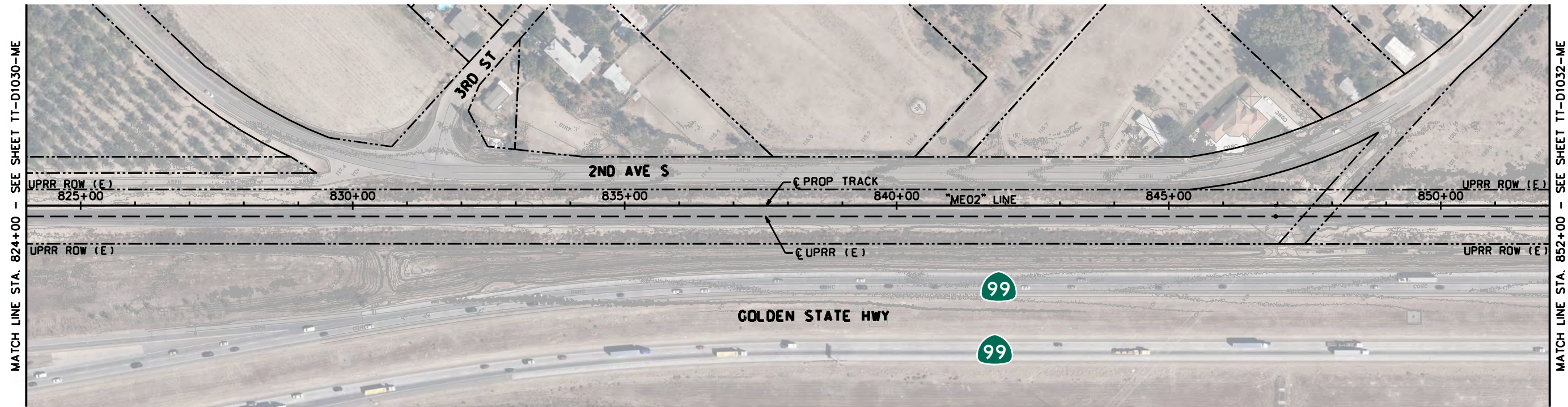
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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

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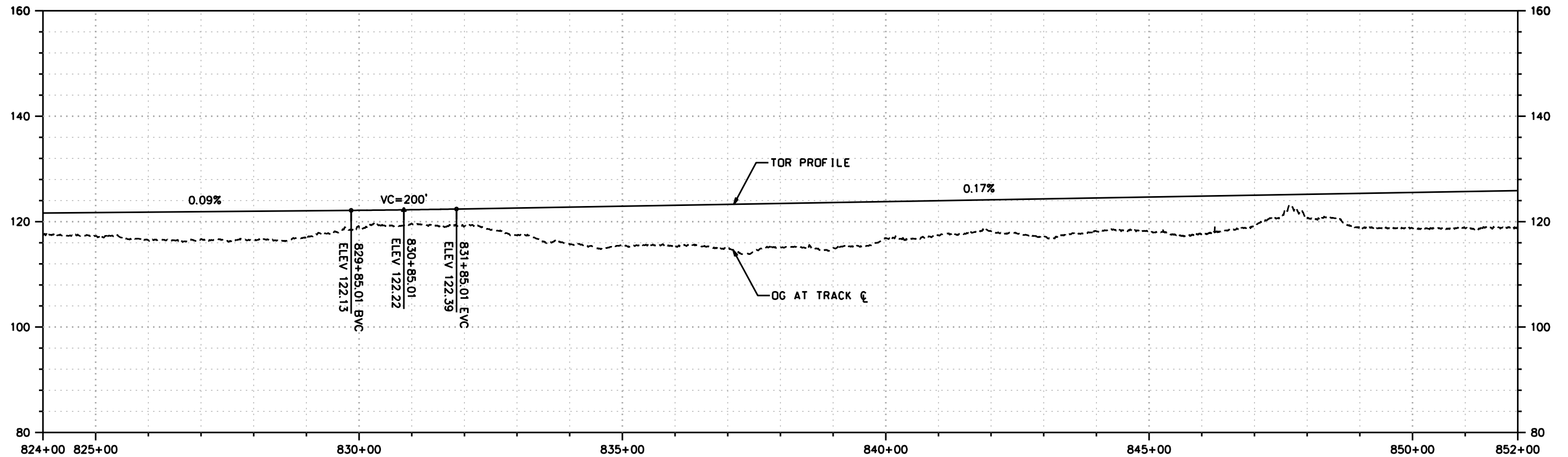
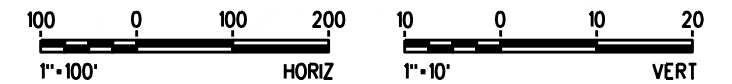


SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 796+00 TO STA. 824+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1030-ME
SCALE AS SHOWN
SHEET NO. 59 OF 287



PLAN



PROFILE

NOT FOR CONSTRUCTION

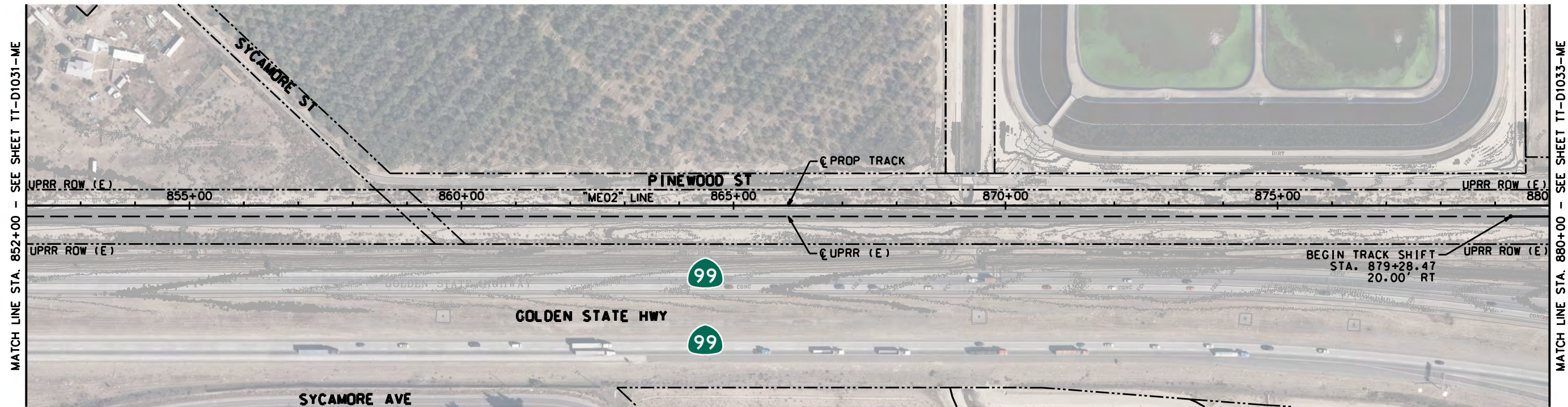
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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

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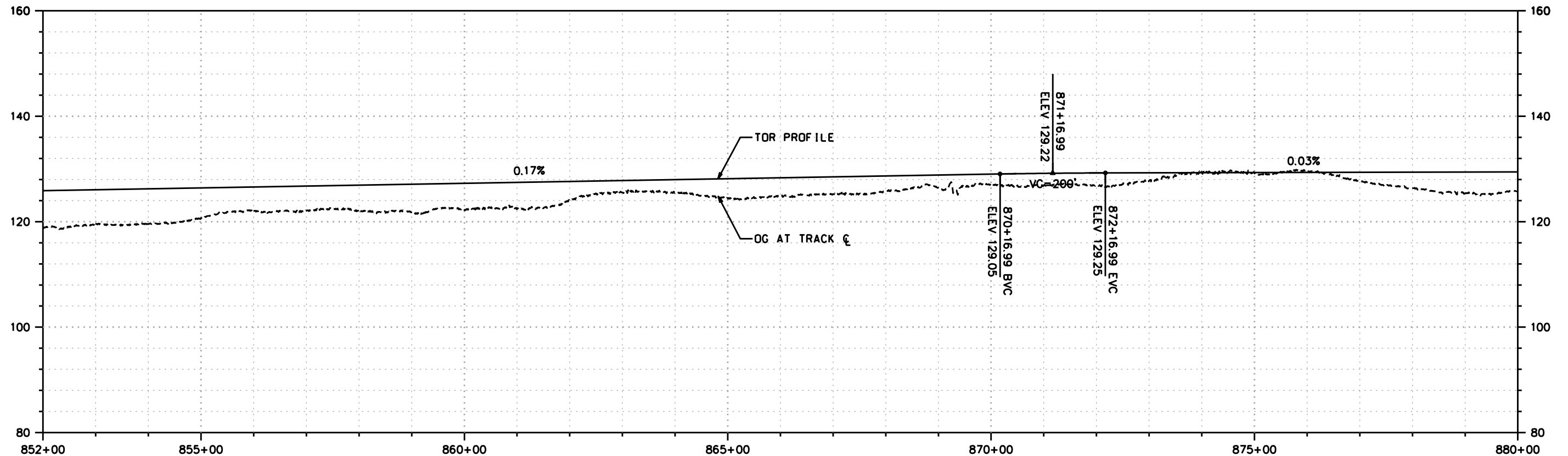
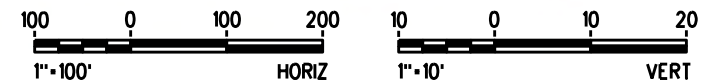


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VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 824+00 TO STA. 852+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D10031-ME
SCALE AS SHOWN
SHEET NO. 60 OF 287



PLAN



PROFILE

NOT FOR CONSTRUCTION

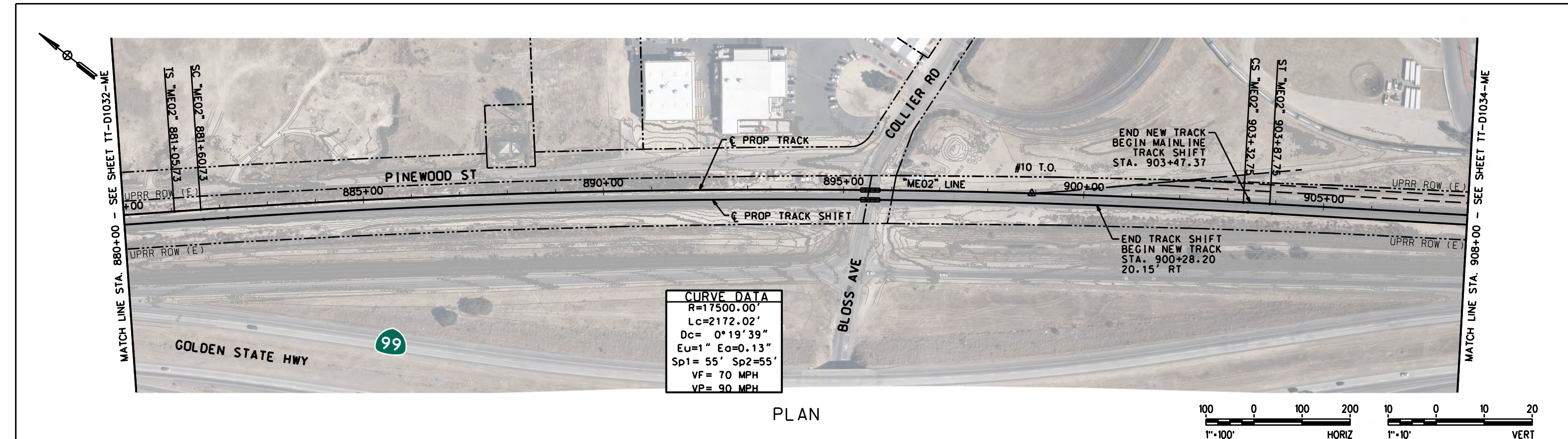
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CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 04/12/2021

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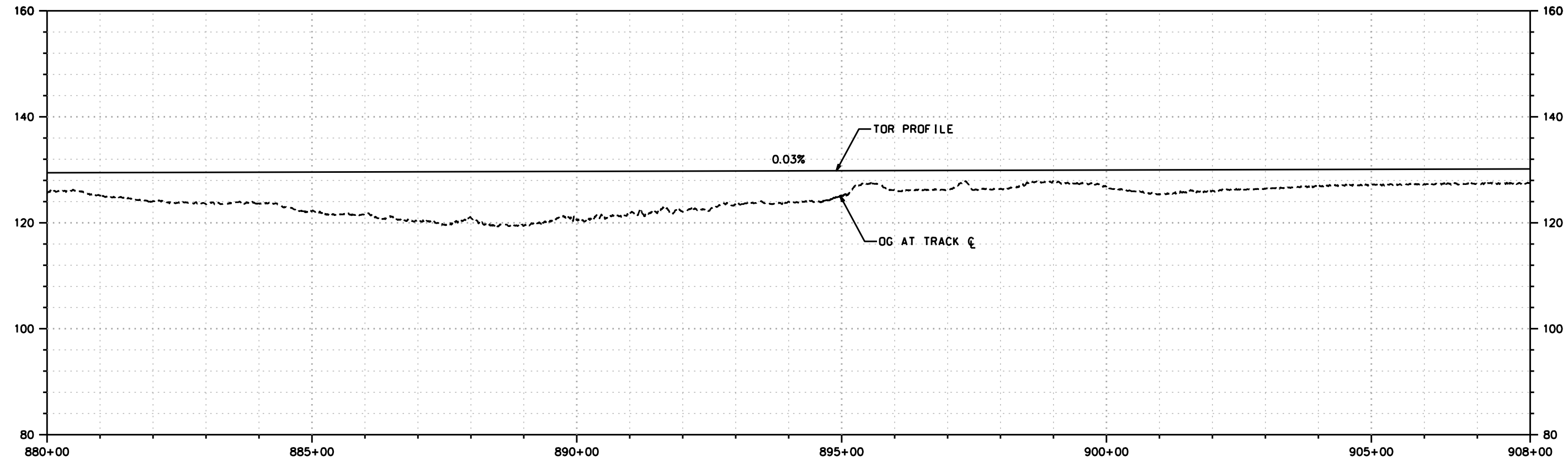


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ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 852+00 TO STA. 880+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1032-ME
SCALE AS SHOWN
SHEET NO. 61 OF 287



PLAN

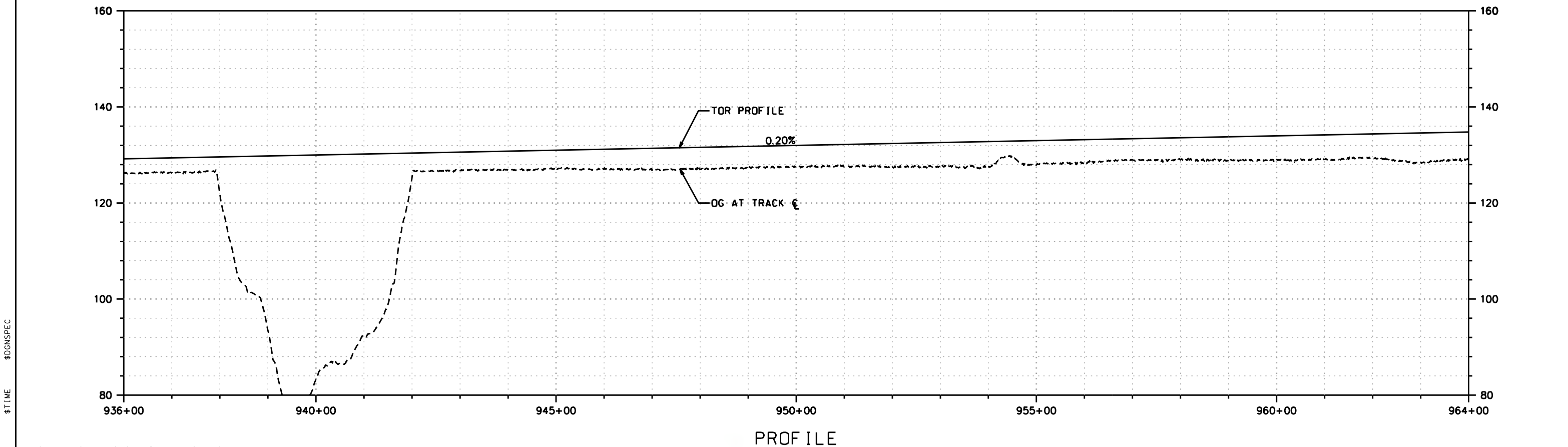
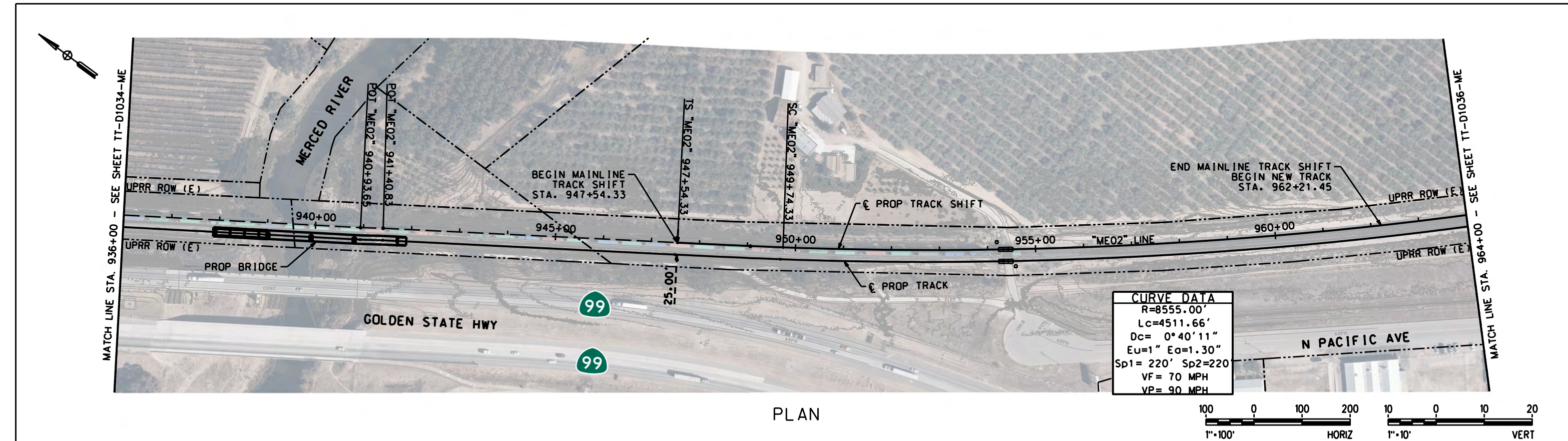


PROFILE

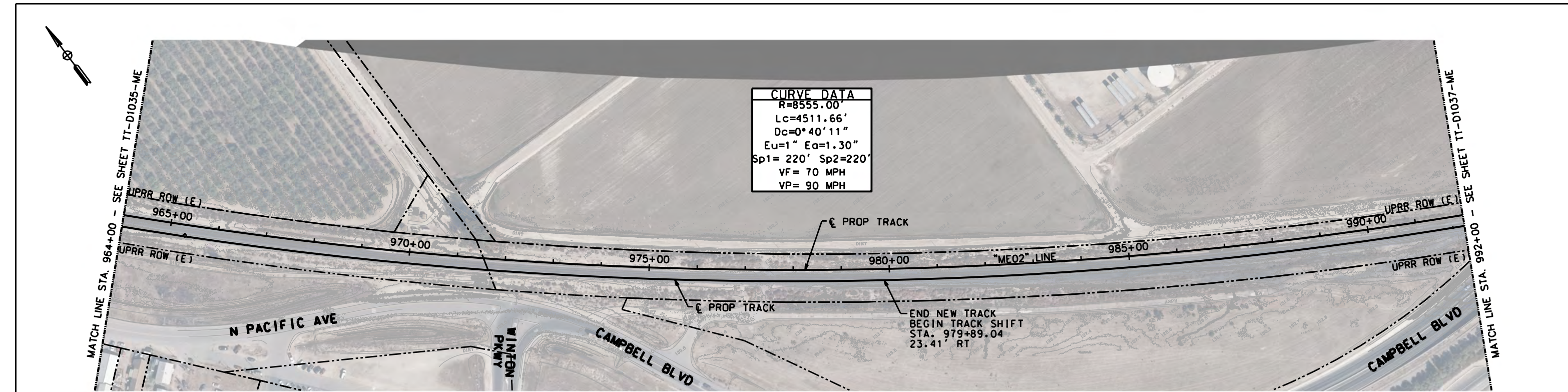
\$DATE \$TIME \$DGN\$SPEC \$USER

NOT FOR CONSTRUCTION

					DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com		SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION SEGMENT 2 TRACK ALIGNMENT - PLAN & PROFILE STA. 880+00 TO STA. 908+00		ENVIRONMENTAL ALTERNATIVE CODE
					DRAWN BY A. SHIELDS					DRAWING NO. TT-D1033-ME
					CHECKED BY D. HARTMAN					SCALE AS SHOWN
					IN CHARGE D. COWIN					SHEET NO. 62 OF 287
					DATE 04/12/2021					

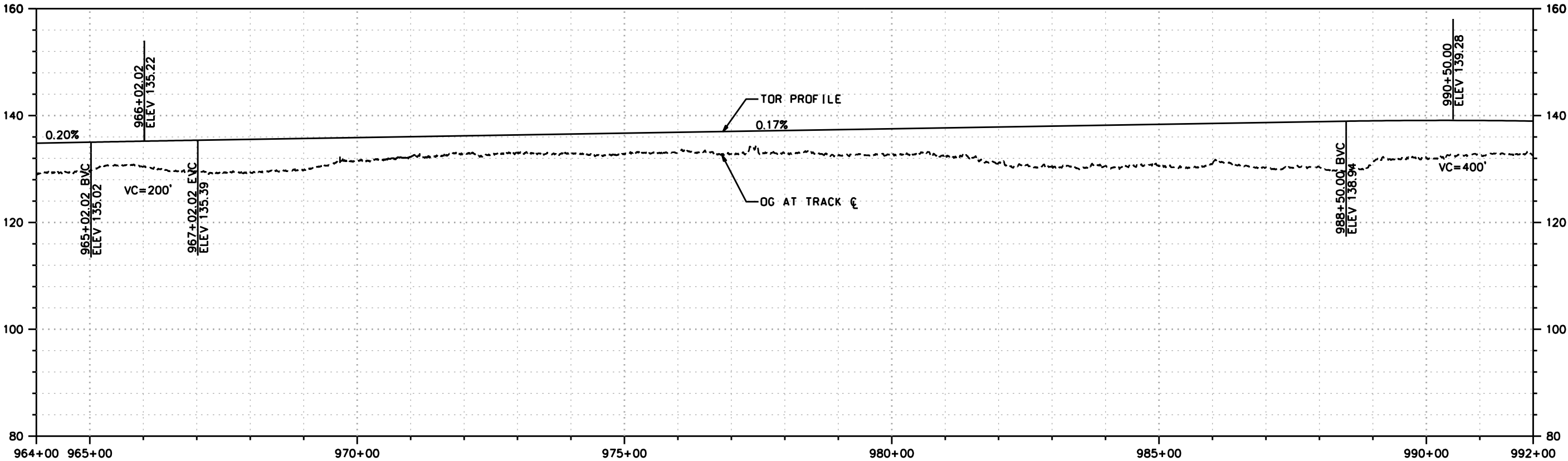
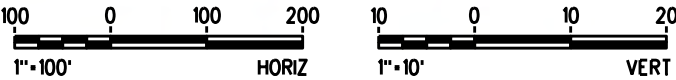


					DESIGNED BY A. SHIELDS	TRANSPORTATION AECOM AECOM USA, Inc. 300 Lakeside Drive, Suite 400 Oakland, CA 94612 T 510.893.3600 www.aecom.com	 SAN JOAQUIN REGIONAL RAIL COMMISSION	SAN JOAQUIN REGIONAL RAIL COMMISSION ALTAMONT CORRIDOR EXPRESS VALLEY RAIL - MERCED EXTENSION SEGMENT 2 TRACK ALIGNMENT - PLAN & PROFILE STA. 936+00 TO STA. 964+00		ENVIRONMENTAL ALTERNATIVE CODE
					DRAWN BY A. SHIELDS					DRAWING NO. TT-D1035-ME
					CHECKED BY D. HARTMAN					SCALE AS SHOWN
					IN CHARGE D. COWIN					SHEET NO. 64 OF 287
					DATE 04/12/2021					



CURVE DATA	
R=	8555.00'
Lc=	4511.66'
Dc=	0° 40' 11"
Eu=	1" Ea=1.30"
Sp1=	220' Sp2=220'
VF=	70 MPH
VP=	90 MPH

PLAN



PROFILE

\$DATE \$TIME \$DGN\$SPEC \$USER

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DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	04/12/2021

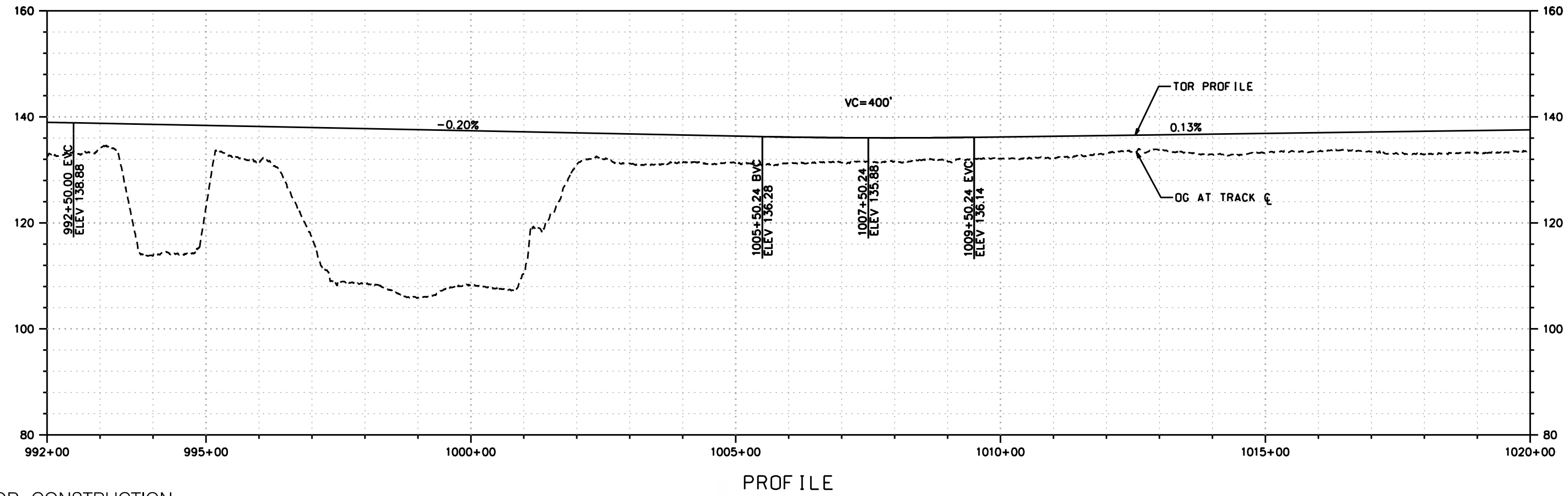
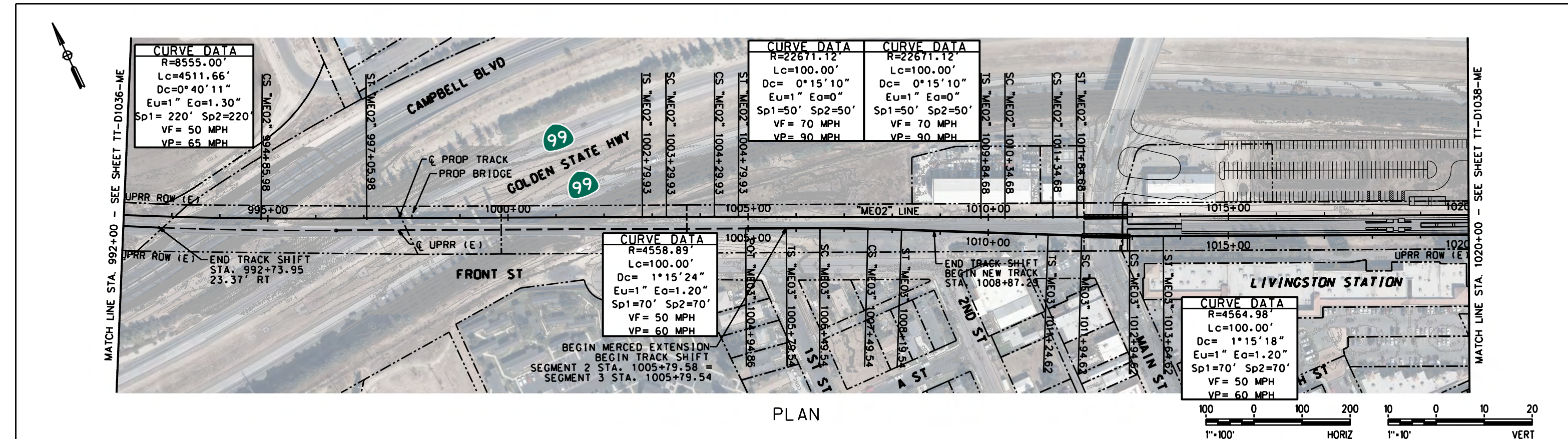
TRANSPORTATION
AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
T 510.893.3600
www.aecom.com

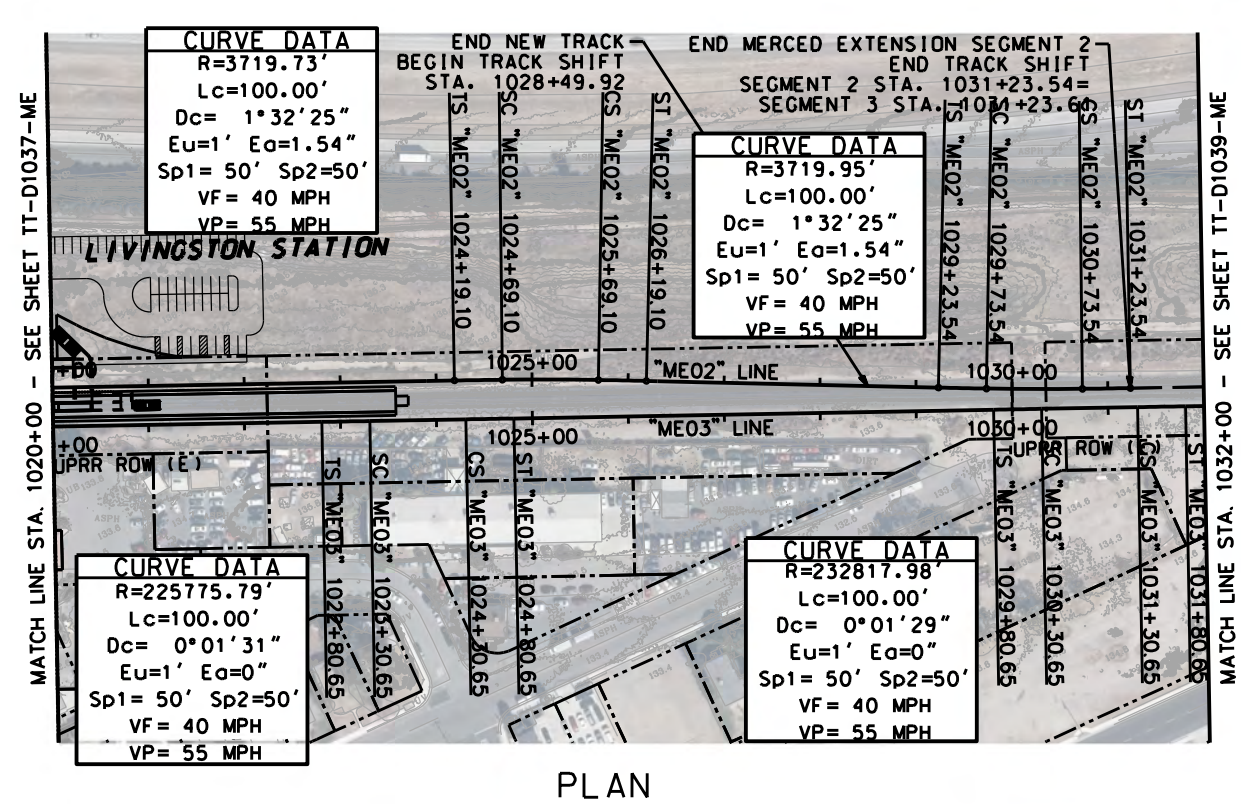


SAN JOAQUIN
REGIONAL
RAIL COMMISSION

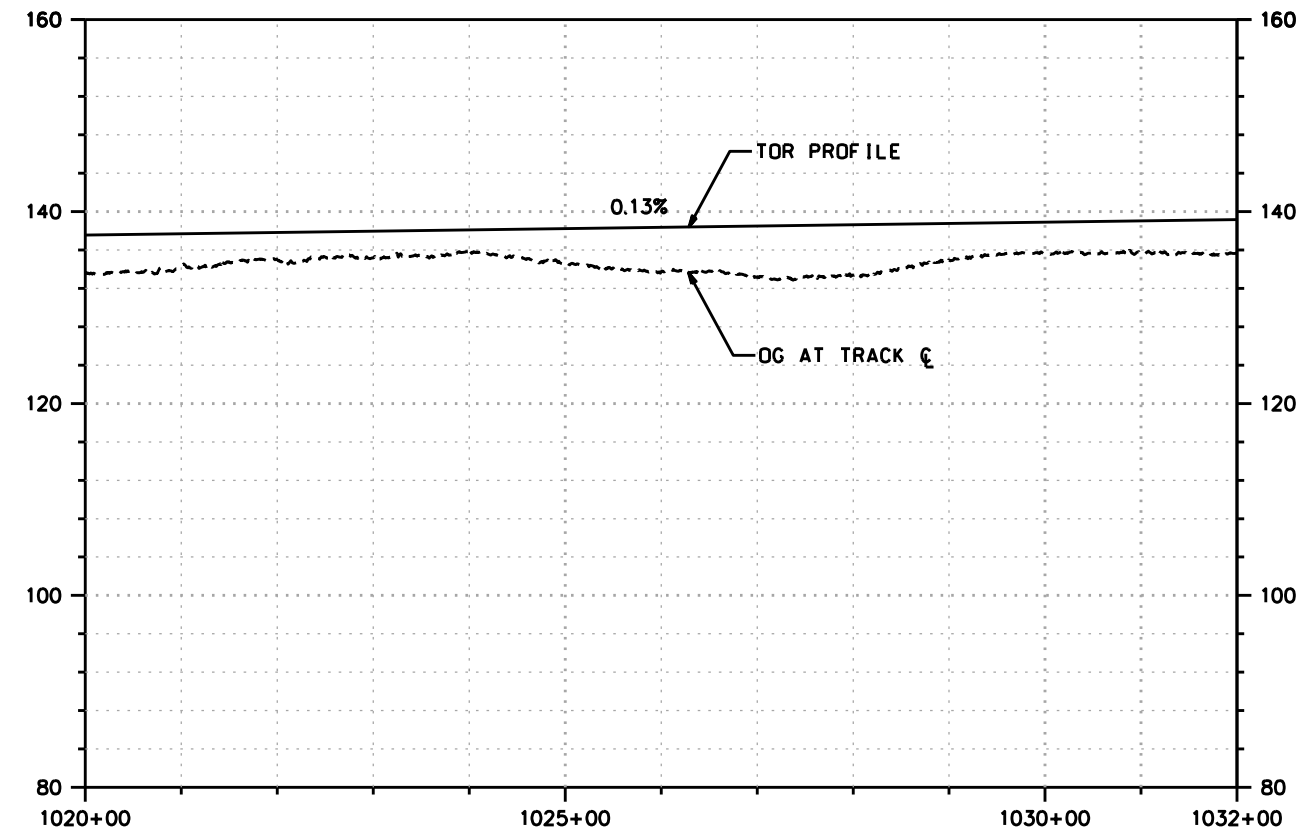
SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 964+00 TO STA. 992+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1036-ME
SCALE	AS SHOWN
SHEET NO.	65 OF 287





PLAN



PROFILE

\$DATE \$TIME \$DGN\$SPEC \$USER

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CHECKED BY D. HARTMAN	
IN CHARGE D. COWIN	
DATE 04/12/2021	

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AECOM USA, Inc.
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SAN JOAQUIN REGIONAL RAIL COMMISSION
ALTAMONT CORRIDOR EXPRESS
VALLEY RAIL - MERCED EXTENSION
SEGMENT 2
TRACK ALIGNMENT - PLAN & PROFILE
STA. 1020+00 TO STA. 1032+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. TT-D1038-ME
SCALE AS SHOWN
SHEET NO. 67 OF 287