

Bakersfield to Palmdale

PREFERRED ALTERNATIVE
RECORD SET PEPD
DESIGN SUBMISSION
JANUARY 2021



GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1		COVER SHEET
2	GE-B0002	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 1 OF 13
3	GE-B0003	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 2 OF 13
4	GE-B0004	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 3 OF 13
5	GE-B0005	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 4 OF 13
6	GE-B0006	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 5 OF 13
7	GE-B0007	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 6 OF 13
8	GE-B0008	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 7 OF 13
9	GE-B0009	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 8 OF 13
10	GE-B0010	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 9 OF 13
11	GE-B0011	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 10 OF 13
12	GE-B0012	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 11 OF 13
13	GE-B0013	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 12 OF 13
14	GE-B0014	PREFERRED ALTERNATIVE - GENERAL - INDEX OF DRAWINGS - SHEET 13 OF 13

ALIGNMENT GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
42	TT-B3018	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 18 OF 18
43	TT-B3201	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 1 OF 10
44	TT-B3202	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 2 OF 10
45	TT-B3203	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 3 OF 10
46	TT-B3204	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 4 OF 10
47	TT-B3205	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 5 OF 10
48	TT-B3206	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 6 OF 10
49	TT-B3207	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 7 OF 10
50	TT-B3208	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 8 OF 10
51	TT-B3209	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 9 OF 10
52	TT-B3210	REFINED CCNM DESIGN OPTION - TRACK GENERAL - TYPICAL SECTIONS - SHEET 10 OF 10
53	TT-C6001	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
54	TT-C6002	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
55	TT-C6003	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
56	TT-C6004	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
57	TT-C6201	REFINED CCNM DESIGN OPTION - TRACK GENERAL - KEY MAP

ALIGNMENT PLAN AND PROFILE

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
58	TT-D1101	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17285+00 TO 17310+00 - PLAN AND PROFILE
59	TT-D1102	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17310+00 TO 17335+00 - PLAN AND PROFILE
60	TT-D1103	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17335+00 TO 17360+00 - PLAN AND PROFILE
61	TT-D1104	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17360+00 TO 17385+00 - PLAN AND PROFILE
62	TT-D1105	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17385+00 TO 17410+00 - PLAN AND PROFILE
63	TT-D1106	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17410+00 TO 17435+00 - PLAN AND PROFILE
64	TT-D1107	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17435+00 TO 17460+00 - PLAN AND PROFILE
65	TT-D1108	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17460+00 TO 17485+00 - PLAN AND PROFILE
66	TT-D1109	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17485+00 TO 17510+00 - PLAN AND PROFILE
67	TT-D1110	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17510+00 TO 17535+00 - PLAN AND PROFILE
68	TT-D1111	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17535+00 TO 17585+00 - PLAN AND PROFILE
69	TT-D1112	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17585+00 TO 17635+00 - PLAN AND PROFILE
70	TT-D1113	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17635+00 TO 17685+00 - PLAN AND PROFILE
71	TT-D1114	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17685+00 TO 17735+00 - PLAN AND PROFILE
72	TT-D1115	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17735+00 TO 17785+00 - PLAN AND PROFILE
73	TT-D1116	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17785+00 TO 17835+00 - PLAN AND PROFILE
74	TT-D1117	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17835+00 TO 17885+00 - PLAN AND PROFILE
75	TT-D1118	ALTERNATIVE 2 - TRACK GUIDEWAY - STA 17885+00 TO 17908+22.06 - PLAN AND PROFILE
76	TT-D1018	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 17885+00 TO 17935+00 - PLAN AND PROFILE
77	TT-D1019	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 17935+00 TO 17985+00 - PLAN AND PROFILE
78	TT-D1020	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 17985+00 TO 18035+00 - PLAN AND PROFILE
79	TT-D1021	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18035+00 TO 18085+00 - PLAN AND PROFILE
80	TT-D1022	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18085+00 TO 18135+00 - PLAN AND PROFILE
81	TT-D1023	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18135+00 TO 18185+00 - PLAN AND PROFILE
82	TT-D1024	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18185+00 TO 18235+00 - PLAN AND PROFILE
83	TT-D1025	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18235+00 TO 18285+00 - PLAN AND PROFILE
84	TT-D1026	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 18285+00 TO 18335+00 - PLAN AND PROFILE
85	TT-D1401	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18275+00 TO 18325+00 - PLAN AND PROFILE
86	TT-D1402	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18325+00 TO 18375+00 - PLAN AND PROFILE
87	TT-D1403	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18375+00 TO 18425+00 - PLAN AND PROFILE
88	TT-D1404	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18425+00 TO 18475+00 - PLAN AND PROFILE
89	TT-D1405	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18475+00 TO 18525+00 - PLAN AND PROFILE
90	TT-D1406	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18525+00 TO 18575+00 - PLAN AND PROFILE
91	TT-D1407	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18575+00 TO 18625+00 - PLAN AND PROFILE
92	TT-D1408	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18625+00 TO 18675+00 - PLAN AND PROFILE
93	TT-D1409	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18675+00 TO 18725+00 - PLAN AND PROFILE
94	TT-D1410	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18725+00 TO 18775+00 - PLAN AND PROFILE
95	TT-D1411	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18775+00 TO 18825+00 - PLAN AND PROFILE
96	TT-D1412	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18825+00 TO 18875+00 - PLAN AND PROFILE

ALIGNMENT GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
15	TT-B0004	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 1 OF 3
16	TT-B0005	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 2 OF 3
17	TT-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 3 OF 3
18	TT-B0007	ALTERNATIVE 1,2,3,5 - GENERAL - SYMBOLS, LEGEND, AND GENERAL NOTES - SHEET 1 OF 1
19	TT-B0201	REFINED CCNM DESIGN OPTION - TRACK GENERAL - SYMBOLS, LEGEND, AND GENERAL NOTES
20	TT-B0008	ALTERNATIVE 1 - GENERAL - HORIZONTAL ALIGNMENT DATA TABLE - SHEET 1 OF 8
21	TT-B0009	ALTERNATIVE 1 - GENERAL - HORIZONTAL ALIGNMENT DATA TABLE - SHEET 2 OF 8
22	TT-B0010	ALTERNATIVE 2 - GENERAL - HORIZONTAL ALIGNMENT DATA TABLE - SHEET 3 OF 8
23	TT-B0011	ALTERNATIVE 2 - GENERAL - HORIZONTAL ALIGNMENT DATA TABLE - SHEET 4 OF 8
24	TT-B0202	REFINED CCNM DESIGN OPTION - TRACK GENERAL - HORIZONTAL ALIGNMENT DATA TABLE
25	TT-B3001	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 1 OF 18
26	TT-B3002	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 2 OF 18
27	TT-B3003	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 3 OF 18
28	TT-B3004	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 4 OF 18
29	TT-B3005	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 5 OF 18
30	TT-B3006	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 6 OF 18
31	TT-B3007	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 7 OF 18
32	TT-B3008	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 8 OF 18
33	TT-B3009	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 9 OF 18
34	TT-B3010	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 10 OF 18
35	TT-B3011	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 11 OF 18
36	TT-B3012	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 12 OF 18
37	TT-B3013	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 13 OF 18
38	TT-B3014	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 14 OF 18
39	TT-B3015	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 15 OF 18
40	TT-B3016	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 16 OF 18
41	TT-B3017	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 17 OF 18

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\GE\Preferred Alternative\BP-GE-B0002 6:25:59 PM 1/27/2021 javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
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CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 1 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0002
SCALE
AS SHOWN
SHEET NO.
2

ALIGNMENT PLAN AND PROFILE

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
97	TT-D1413	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18875+00 TO 18925+00 - PLAN AND PROFILE
98	TT-D1414	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18925+00 TO 18975+00 - PLAN AND PROFILE
99	TT-D1415	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 18975+00 TO 19025+00 - PLAN AND PROFILE
100	TT-D1416	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 19025+00 TO 19075+00 - PLAN AND PROFILE
101	TT-D1417	REFINED CCNM DESIGN OPTION - TRACK GUIDEWAY - STA 19075+00 TO 19115+00 - PLAN AND PROFILE
102	TT-D1042	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19085+00 TO 19110+00 - PLAN AND PROFILE
103	TT-D1043	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19110+00 TO 19135+00 - PLAN AND PROFILE
104	TT-D1044	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19135+00 TO 19160+00 - PLAN AND PROFILE
105	TT-D1045	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19160+00 TO 19185+00 - PLAN AND PROFILE
106	TT-D1046	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19185+00 TO 19210+00 - PLAN AND PROFILE
107	TT-D1047	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19210+00 TO 19235+00 - PLAN AND PROFILE
108	TT-D1048	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 19235+00 TO 19285+00 - PLAN AND PROFILE
109	TT-D1049	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19285+00 TO 19335+00 - PLAN AND PROFILE
110	TT-D1050	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19335+00 TO 19385+00 - PLAN AND PROFILE
111	TT-D1051	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19385+00 TO 19435+00 - PLAN AND PROFILE
112	TT-D1052	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19435+00 TO 19485+00 - PLAN AND PROFILE
113	TT-D1053	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19485+00 TO 19535+00 - PLAN AND PROFILE
114	TT-D1054	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19535+00 TO 19585+00 - PLAN AND PROFILE
115	TT-D1055	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19585+00 TO 19635+00 - PLAN AND PROFILE
116	TT-D1056	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19635+00 TO 19685+00 - PLAN AND PROFILE
117	TT-D1057	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19685+00 TO 19735+00 - PLAN AND PROFILE
118	TT-D1058	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19735+00 TO 19785+00 - PLAN AND PROFILE
119	TT-D1059	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19785+00 TO 19835+00 - PLAN AND PROFILE
120	TT-D1060	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19835+00 TO 19885+00 - PLAN AND PROFILE
121	TT-D1061	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19885+00 TO 19935+00 - PLAN AND PROFILE
122	TT-D1062	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19935+00 TO 19985+00 - PLAN AND PROFILE
123	TT-D1063	ALTERNATIVE 1,2,5 - TRACK GUIDEWAY - STA 19985+00 TO 20035+00 - PLAN AND PROFILE
124	TT-D1064	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20035+00 TO 20085+00 - PLAN AND PROFILE
125	TT-D1065	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20085+00 TO 20135+00 - PLAN AND PROFILE
126	TT-D1066	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20135+00 TO 20185+00 - PLAN AND PROFILE
127	TT-D1067	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20185+00 TO 20235+00 - PLAN AND PROFILE
128	TT-D1068	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20235+00 TO 20285+00 - PLAN AND PROFILE
129	TT-D1069	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20285+00 TO 20335+00 - PLAN AND PROFILE
130	TT-D1070	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20335+00 TO 20385+00 - PLAN AND PROFILE
131	TT-D1071	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20385+00 TO 20435+00 - PLAN AND PROFILE
132	TT-D1072	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20435+00 TO 20485+00 - PLAN AND PROFILE
133	TT-D1073	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20485+00 TO 20535+00 - PLAN AND PROFILE
134	TT-D1074	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20535+00 TO 20585+00 - PLAN AND PROFILE
135	TT-D1075	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20585+00 TO 20635+00 - PLAN AND PROFILE
136	TT-D1076	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20635+00 TO 20685+00 - PLAN AND PROFILE
137	TT-D1077	ALTERNATIVE 1,2,3,5 - TRACK GUIDEWAY - STA 20685+00 TO 20735+00 - PLAN AND PROFILE
138	TT-D1078	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20735+00 TO 20785+00 - PLAN AND PROFILE
139	TT-D1079	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20785+00 TO 20835+00 - PLAN AND PROFILE
140	TT-D1080	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20835+00 TO 20860+00 - PLAN AND PROFILE
141	TT-D1081	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20860+00 TO 20885+00 - PLAN AND PROFILE
142	TT-D1082	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20885+00 TO 20910+00 - PLAN AND PROFILE
143	TT-D1083	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20910+00 TO 20935+00 - PLAN AND PROFILE
144	TT-D1084	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20935+00 TO 20960+00 - PLAN AND PROFILE
145	TT-D1085	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20960+00 TO 20985+00 - PLAN AND PROFILE
146	TT-D1086	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 20985+00 TO 21010+00 - PLAN AND PROFILE
147	TT-D1087	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21010+00 TO 21035+00 - PLAN AND PROFILE
148	TT-D1088	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21035+00 TO 21060+00 - PLAN AND PROFILE
149	TT-D1089	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21060+00 TO 21085+00 - PLAN AND PROFILE
150	TT-D1090	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21085+00 TO 21110+00 - PLAN AND PROFILE
151	TT-D1091	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21110+00 TO 21135+00 - PLAN AND PROFILE
152	TT-D1092	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21135+00 TO 21185+00 - PLAN AND PROFILE
153	TT-D1093	ALTERNATIVE 1,2,3 - TRACK GUIDEWAY - STA 21185+00 TO 21235+00 - PLAN AND PROFILE
154	TT-D1230	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 10+00 TO 35+00 - PLAN AND PROFILE
155	TT-D1231	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 35+00 TO 60+00 - PLAN AND PROFILE
156	TT-D1232	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 60+00 TO 85+00 - PLAN AND PROFILE

ALIGNMENT PLAN AND PROFILE

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
157	TT-D1233	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 85+00 TO 110+00 - PLAN AND PROFILE
158	TT-D1234	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 110+00 TO 135+00 - PLAN AND PROFILE
159	TT-D1235	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 135+00 TO 160+00 - PLAN AND PROFILE
160	TT-D1236	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 160+00 TO 185+00 - PLAN AND PROFILE
161	TT-D1237	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 185+00 TO 210+00 - PLAN AND PROFILE
162	TT-D1238	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 210+00 TO 235+00 - PLAN AND PROFILE
163	TT-D1239	ALTERNATIVE 1,2,3 - UPRR RELOCATION - STA 235+00 TO 243+78.47 - PLAN AND PROFILE
164	TT-D1249	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STORAGE TRACKS - PLAN
165	TT-D1250	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STA 10+00 TO 35+00 - PLAN AND PROFILE
166	TT-D1251	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STA 35+00 TO 60+00 - PLAN AND PROFILE
167	TT-D1252	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STA 60+00 TO 85+00 - PLAN AND PROFILE
168	TT-D1253	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STA 85+00 TO 110+00 - PLAN AND PROFILE
169	TT-D1254	ALTERNATIVE 1,2,3 - METROLINK RELOCATION - STA 110+00 TO 120+32.63 - PLAN AND PROFILE

ROADWAY GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
170	CV-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 1 OF 3
171	CV-B0007	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 2 OF 3
172	CV-B0008	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 3 OF 3
173	CV-B0009	ALTERNATIVE 1,2,3,5 - GENERAL - SYMBOLS, LEGEND, AND GENERAL NOTES - SHEET 1 OF 1
174	CV-R0101	REFINED CCNM DESIGN OPTION - ROADWAY GENERAL - SYMBOLS, LEGEND, AND GENERAL NOTES
175	CV-B3001	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
176	CV-B3002	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
177	CV-B3003	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
178	CV-B3004	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
179	CV-B3005	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
180	CV-B3011	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
181	CV-B3051	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
182	CV-B3053	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
183	CV-B3054	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
184	CV-B3055	ALTERNATIVE 1,2,5 - GENERAL - TYPICAL SECTIONS
185	CV-B3056	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
186	CV-B3100	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
187	CV-B3101	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
188	CV-B3102	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
189	CV-B3107	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
190	CV-B3108	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
191	CV-B3109	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
192	CV-B3110	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
193	CV-B3111	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
194	CV-B3113	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
195	CV-B3114	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
196	CV-B3115	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
197	CV-B3116	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
198	CV-B3117	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
199	CV-B3118	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
200	CV-B3119	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
201	CV-B3120	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
202	CV-B3121	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
203	CV-B3122	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
204	CV-B3123	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
205	CV-B3124	ALTERNATIVE 1,2,3 - GENERAL - TYPICAL SECTIONS
206	CV-B3125	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
207	CV-B3126	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
208	CV-B3151	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS
209	CV-R0102	REFINED CCNM DESIGN OPTION - ROADWAY GENERAL - TYPICAL SECTIONS - SHEET 1 OF 2
210	CV-R0103	REFINED CCNM DESIGN OPTION - ROADWAY GENERAL - TYPICAL SECTIONS - SHEET 2 OF 2
211	CV-C6001	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
212	CV-C6002	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
213	CV-C6003	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
214	CV-C6004	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
215	CV-R0104	REFINED CCNM DESIGN OPTION - ROADWAY GENERAL - KEY MAP

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 2 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0003
SCALE
AS SHOWN
SHEET NO.
3

ROADWAY

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
216	CV-R1000	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
217	CV-R1001	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
218	CV-R1002	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
219	CV-R1003	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
220	CV-R1004	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
221	CV-R1005	ALTERNATIVE 1,3,5 - ROADWAY - EDISON HIGHWAY - PLAN AND PROFILE
222	CV-R1006	ALTERNATIVE 1,2,3,5 - ROADWAY - MORNING DRIVE - PLAN
223	CV-R1007	ALTERNATIVE 1,2,3,5 - ROADWAY - MORNING DRIVE - PROFILE
224	CV-R1009	ALTERNATIVE 1,3,5 - ROADWAY - BRUNDAGE LANE - PLAN AND PROFILE
225	CV-R1010	ALTERNATIVE 1,3,5 - ROADWAY - VINELAND ROAD - PLAN AND PROFILE
226	CV-R1150	ALTERNATIVE 2 - ROADWAY - TOWERLINE ROAD RAMPS - PLAN AND PROFILE
227	CV-R1068	ALTERNATIVE 1,2,3,5 - ROADWAY - GENERAL BEALE ROAD - PLAN AND PROFILE
228	CV-R1068A	ALTERNATIVE 1,2,3,5 - ROADWAY - GENERAL BEALE ROAD - PLAN AND PROFILE
229	CV-R1069	ALTERNATIVE 1,2,3,5 - ROADWAY - DIRT ROAD 18125+00 - PLAN AND PROFILE
230	CV-R1070	ALTERNATIVE 1,2,3,5 - ROADWAY - CALIENTE BODFISH ROAD - PLAN AND PROFILE
231	CV-R1070A	ALTERNATIVE 1,2,3,5 - ROADWAY - CALIENTE BODFISH ROAD - PLAN AND PROFILE
232	CV-R1071	ALTERNATIVE 1,2,3,5 - ROADWAY - DIRT ROAD 18206+00 - PLAN AND PROFILE
233	CV-R1071A	ALTERNATIVE 1,2,3,5 - ROADWAY - DIRT ROAD 18242+00 - PLAN AND PROFILE
234	CV-R1072	ALTERNATIVE 1,2,3,5 - ROADWAY - BEALVILLE ROAD - PLAN
235	CV-R1072A	ALTERNATIVE 1,2,3,5 - ROADWAY - BEALVILLE ROAD - PROFILE
236	CV-R1072B	ALTERNATIVE 1,2,3,5 - ROADWAY - BEALVILLE ROAD - PROFILE
237	CV-R1621	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT - PLAN AND PROFILE - SHEET 1 OF 4
238	CV-R1622	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT - PLAN AND PROFILE - SHEET 2 OF 4
239	CV-R1623	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT - PLAN AND PROFILE - SHEET 3 OF 4
240	CV-R1624	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT - PLAN AND PROFILE - SHEET 4 OF 4
241	CV-R1625	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT OFF-RAMP - PLAN AND PROFILE
242	CV-R1626	REFINED CCNM DESIGN OPTION - ROADWAY - SR 58 REALIGNMENT ON-RAMP - PLAN AND PROFILE
243	CV-R1627	REFINED CCNM DESIGN OPTION - ROADWAY - CHALLENGER DRIVE AND DENNISON ROAD - PLAN AND PROFILE
244	CV-R1628	REFINED CCNM DESIGN OPTION - ROADWAY - BURNETT ROAD - PLAN AND PROFILE
245	CV-R1629	REFINED CCNM DESIGN OPTION - ROADWAY - BURNETT ROAD AND ARABIAN DRIVE - PLAN AND PROFILE
246	CV-R1077	ALTERNATIVE 1,2,3,5 - ROADWAY - E VALLEY BLVD - PLAN AND PROFILE
247	CV-R1077A	ALTERNATIVE 1,2,3,5 - ROADWAY - HIGHLINE ROAD - PLAN AND PROFILE
248	CV-R1077B	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD AT HIGHLINE - PLAN AND PROFILE
249	CV-R1078	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PLAN
250	CV-R1078A	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PLAN
251	CV-R1079	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PLAN
252	CV-R1079A	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PROFILE
253	CV-R1080	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PROFILE
254	CV-R1080A	ALTERNATIVE 1,2,3,5 - ROADWAY - TEHACHAPI WILLOW SPRINGS ROAD - PROFILE
255	CV-R1081	ALTERNATIVE 1,2,5 - ROADWAY - OAK CREEK ROAD - PLAN AND PROFILE
256	CV-R1082	ALTERNATIVE 1,2,5 - ROADWAY - CAMERON CANYON ROAD - PLAN AND PROFILE
257	CV-R1085	ALTERNATIVE 1,2,5 - ROADWAY - ROBERT RANCH ROAD - PLAN AND PROFILE
258	CV-R1086	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PLAN
259	CV-R1086A	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PLAN
260	CV-R1086B	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PLAN
261	CV-R1086C	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PROFILE
262	CV-R1087	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PROFILE
263	CV-R1088	ALTERNATIVE 1,2,5 - ROADWAY - 110TH STREET - PROFILE
264	CV-R1090A	ALTERNATIVE 1,2,5 - ROADWAY - 105TH STREET - PLAN
265	CV-R1090B	ALTERNATIVE 1,2,5 - ROADWAY - 105TH STREET - PROFILE
266	CV-R1090C	ALTERNATIVE 1,2,5 - ROADWAY - 105TH STREET - PROFILE
267	CV-R1090D	ALTERNATIVE 1,2,5 - ROADWAY - BACKUS ROAD - PLAN AND PROFILE
268	CV-R1090E	ALTERNATIVE 1,2,5 - ROADWAY - E BACKUS ROAD - PLAN AND PROFILE
269	CV-R1091A	ALTERNATIVE 1,2,3,5 - ROADWAY - 85TH STREET - PLAN AND PROFILE
270	CV-R1091B	ALTERNATIVE 1,2,3,5 - ROADWAY - 80TH STREET - PLAN AND PROFILE
271	CV-R1092	ALTERNATIVE 1,2,3,5 - ROADWAY - 50TH STREET - PLAN AND PROFILE
272	CV-R1093	ALTERNATIVE 1,2,3,5 - ROADWAY - GASKELL ROAD - PLAN AND PROFILE
273	CV-R1100	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE G - PLAN AND PROFILE
274	CV-R1101	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE G - PLAN AND PROFILE
275	CV-R1102	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE G ACCESS - PLAN AND PROFILE
276	CV-R1104	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE H - PLAN AND PROFILE

ROADWAY

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
277	CV-R1108	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE I - PLAN
278	CV-R1109	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE I - PLAN
279	CV-R1110	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE I - PROFILE
280	CV-R1111	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE I - PROFILE
281	CV-R1111C	ALTERNATIVE 1,2,3 - ROADWAY - LANCASTER BLVD - PLAN AND PROFILE
282	CV-R1112	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE J - PLAN
283	CV-R1113	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE J - PROFILE
284	CV-R1113A	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE J - PROFILE
285	CV-R1116	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE K - PLAN AND PROFILE
286	CV-R1117	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE K - PLAN AND PROFILE
287	CV-R1117A	ALTERNATIVE 1,2,3 - ROADWAY - DIVISION STREET - PLAN AND PROFILE
288	CV-R1122	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE L - PLAN AND PROFILE
289	CV-R1123	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE L - PLAN AND PROFILE
290	CV-R1124	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE M - PLAN AND PROFILE
291	CV-R1125	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE M - PLAN AND PROFILE
292	CV-R1125A	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE M - PLAN AND PROFILE
293	CV-R1126	ALTERNATIVE 1,2,3 - ROADWAY - AVENUE N - PLAN AND PROFILE
294	CV-R1460	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17448 - PLAN AND PROFILE
295	CV-R1461	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17461 - PLAN AND PROFILE
296	CV-R1462	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17561 - PLAN AND PROFILE
297	CV-R1463	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17575 - PLAN AND PROFILE
298	CV-R1464	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17585 - PLAN AND PROFILE
299	CV-R1465	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17670 AND 17685 - PLAN AND PROFILE
300	CV-R1466	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17739 - PLAN AND PROFILE
301	CV-R1467	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD NEUM - PLAN AND PROFILE
302	CV-R1467A	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17787 AND 17791 - PLAN AND PROFILE
303	CV-R1468	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17788 - PLAN AND PROFILE
304	CV-R1469	ALTERNATIVE 2 - ROADWAY - ACCESS ROAD 17788 - PLAN AND PROFILE
305	CV-R1223	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 17908 - PLAN AND PROFILE
306	CV-R1224	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18065 - PLAN AND PROFILE
307	CV-R1225	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18112 - PLAN AND PROFILE
308	CV-R1225A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18112TP - PLAN AND PROFILE
309	CV-R1226	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18153 - PLAN AND PROFILE
310	CV-R1226A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18162 - PLAN AND PROFILE
311	CV-R1227	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18230 - PLAN AND PROFILE
312	CV-R1228A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 18298 - PLAN AND PROFILE
313	CV-R1601	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18457" - HORIZONTAL ALIGNMENT DATA TABLE
314	CV-R1602	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18457" - PLAN AND PROFILE
315	CV-R1603A	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18472" - PLAN AND PROFILE
316	CV-R1603B	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18487" - PLAN AND PROFILE
317	CV-R1604	REFINED CCNM DESIGN OPTION - ROADWAY - DIRT ROAD "18492" - PLAN AND PROFILE
318	CV-R1605	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18507" - HORIZONTAL ALIGNMENT DATA TABLE
319	CV-R1606	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18507" - PLAN AND PROFILE - SHEET 1 OF 2
320	CV-R1607	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18507" - PLAN AND PROFILE - SHEET 2 OF 2
321	CV-R1608	REFINED CCNM DESIGN OPTION - ROADWAY - DIRT ROAD "18567" - PLAN AND PROFILE
322	CV-R1609	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18601" - HORIZONTAL ALIGNMENT DATA TABLE
323	CV-R1610	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18601" - PLAN AND PROFILE - SHEET 1 OF 2
324	CV-R1611	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18601" - PLAN AND PROFILE - SHEET 2 OF 2
325	CV-R1612	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18580" - PLAN AND PROFILE
326	CV-R1613	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18580_PS" & "18594" - PLAN AND PROFILE
327	CV-R1614	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18607" - PLAN AND PROFILE
328	CV-R1615	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18739" - PLAN AND PROFILE
329	CV-R1616	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18745" - PLAN AND PROFILE
330	CV-R1617	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18920" - PLAN AND PROFILE - SHEET 1 OF 3
331	CV-R1618	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18920" - PLAN AND PROFILE - SHEET 2 OF 3
332	CV-R1619	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "18920" - PLAN AND PROFILE - SHEET 3 OF 3
333	CV-R1620A	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "19013" - PLAN AND PROFILE
334	CV-R1620B	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "19063" - PLAN AND PROFILE
335	CV-R1620C	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "19065" - PLAN AND PROFILE
336	CV-R1620D	REFINED CCNM DESIGN OPTION - ROADWAY - ACCESS ROAD "19090" - PLAN AND PROFILE
337	CV-R1240	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 19106 - PLAN AND PROFILE

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PREFERRED ALTERNATIVE
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SHEET 3 OF 13

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4

ROADWAY

GRADING AND DRAINAGE GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
338	CV-R1241	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 19144 - PLAN AND PROFILE
339	CV-R1242	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 19165 - PLAN AND PROFILE
340	CV-R1244	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 19248 - PLAN AND PROFILE
341	CV-R1244A	ALTERNATIVE 1,3,5 - ROADWAY - ACCESS ROAD 19232 AND 19248TP - PLAN AND PROFILE
342	CV-R1244B	ALTERNATIVE 1,3,5 - ROADWAY - ACCESS ROAD 19267 - PLAN AND PROFILE
343	CV-R1247A CV-R1247B	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19450 AND TP ACCESS ROAD 19450TP - PLAN AND PROFILE
344	CV-R1248	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19458 - PLAN AND PROFILE
345	CV-R1250	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19478 - PLAN AND PROFILE
346	CV-R1251	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19668 - PLAN AND PROFILE
347	CV-R1251A	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19676 - PLAN AND PROFILE
348	CV-R1252	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19695P - PLAN AND PROFILE
349	CV-R1253	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19755 - PLAN AND PROFILE
350	CV-R1254	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19799 - PLAN AND PROFILE
351	CV-R1255	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19845 - PLAN AND PROFILE
352	CV-R1256	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19874 - PLAN AND PROFILE
353	CV-R1258	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19886 - PLAN AND PROFILE
354	CV-R1259	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD HIGT - PLAN AND PROFILE
355	CV-R1260	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 19945 - PLAN AND PROFILE
356	CV-R1261	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 20000 - PLAN AND PROFILE
357	CV-R1261A	ALTERNATIVE 1,2,5 - ROADWAY - ACCESS ROAD 20016 AND MCNL - PLAN AND PROFILE
358	CV-R1262	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20016TP - PLAN AND PROFILE
359	CV-R1262A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20052 - PLAN AND PROFILE
360	CV-R1263	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20052TP - PLAN AND PROFILE
361	CV-R1265	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD FAVR - PLAN AND PROFILE
362	CV-R1266	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20091 - PLAN AND PROFILE
363	CV-R1267	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20245 - PLAN AND PROFILE
364	CV-R1268	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20253 - PLAN AND PROFILE
365	CV-R1269	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20276 - PLAN AND PROFILE
366	CV-R1269A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20284 - PLAN AND PROFILE
367	CV-R1270	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20290TP - PLAN AND PROFILE
368	CV-R1272	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20317 - PLAN AND PROFILE
369	CV-R1273	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20432 - PLAN AND PROFILE
370	CV-R1274	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20441 - PLAN AND PROFILE
371	CV-R1274A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20471 - PLAN AND PROFILE
372	CV-R1275	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20500TP - PLAN AND PROFILE
373	CV-R1276	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20554 - PLAN AND PROFILE
374	CV-R1276A	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20557 - PLAN AND PROFILE
375	CV-R1278	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20565TP - PLAN AND PROFILE
376	CV-R1279	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20617 - PLAN AND PROFILE
377	CV-R1280	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20626 - PLAN AND PROFILE
378	CV-R1281	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20678 - PLAN AND PROFILE
379	CV-R1282	ALTERNATIVE 1,2,3,5 - ROADWAY - ACCESS ROAD 20690 - PLAN AND PROFILE
380	CV-R1283	ALTERNATIVE 1,2,3 - ROADWAY - ACCESS ROAD 21090 - PLAN AND PROFILE
381		ALTERNATIVE 1,2,3 - ROADWAY - ACCESS ROAD 21175 - PLAN AND PROFILE
382	CV-R1490	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
383	CV-R1491	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
384	CV-R1492	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
385	CV-R1500	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
386	CV-R1501	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
387	CV-R1502	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
388	CV-R1503	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
389	CV-R1504	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
390	CV-R1505	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
391	CV-R1506	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
392	CV-R1507	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
393	CV-R1508	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
394	CV-R1509	ALTERNATIVE 1,2,3 - ROADWAY - SIERRA HIGHWAY - PLAN AND PROFILE
395	CV-R1551	ALTERNATIVE 1,2,5 - ROADWAY - ROADWAY CLOSURES - PLAN
396	CV-R1552	ALTERNATIVE 1,2,5 - ROADWAY - ROADWAY CLOSURES - PLAN
397	CV-R1554	ALTERNATIVE 1,2,3,5 - ROADWAY - ROADWAY CLOSURES - PLAN

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
398	CV-G0007	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
399	CV-G0008	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
400	CV-G0009	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
401	CV-G0010	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
402	CV-G0102	REFINED CCNM DESIGN OPTION - GRADING, DRAINAGE AND RETAINING WALLS - GENERAL - KEY MAP
403	CV-G0015	ALTERNATIVE 1,2,3,5 - GENERAL - LEGEND, ABBREVIATIONS, AND GENERAL NOTES
404	CV-G0101	REFINED CCNM DESIGN OPTION - GRADING, DRAINAGE AND RETAINING WALLS - GENERAL - LEGEND & GEN. NOTES

GRADING AND DRAINAGE PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
405	CV-G1101	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17430
406	CV-G1101A	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17458, 17463
407	CV-G1102	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17476, 17548
408	CV-G1103	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17571, 17648
409	CV-G1104	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17772, 17794
410	CV-G1105	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17829, 17833
411	CV-G1106	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17875
412	CV-G1107	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17903
413	CV-G1010A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17926
414	CV-G1011	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17940, 17957
415	CV-G1012	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17960, 17969
416	CV-G1013	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17985, 17991
417	CV-G1013A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17993
418	CV-G1014	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18004, 18010
419	CV-G1015	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18020, 18028
420	CV-G1016	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18033
421	CV-G1016A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18067
422	CV-G1017	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18110, 18113
423	CV-G1018	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18116, 18149
424	CV-G1019	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18167, 18172
425	CV-G1020	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18189, 18223
426	CV-G1020A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18227, 18231
427	CV-G1021	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18262, 18267
428	CV-G1501	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18320+86
429	CV-G1502	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18328+16
430	CV-G1503	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18352+79
431	CV-G1504	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18426+41
432	CV-G1505	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18431+40
433	CV-G1506	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18433+21
434	CV-G1507	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18434+43
435	CV-G1508	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18436+44
436	CV-G1509	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18442+47
437	CV-G1510	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18444+31
438	CV-G1511	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18450+30
439	CV-G1512	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18460+50
440	CV-G1513	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18489+32
441	CV-G1514	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18505+37
442	CV-G1515	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18510+31
443	CV-G1516	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18516+71
444	CV-G1517	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18581+20
445	CV-G1518	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18585+71
446	CV-G1519	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18593+23
447	CV-G1520	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18607+79
448	CV-G1521	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18709+20
449	CV-G1522	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18730+51
450	CV-G1523	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18737+13
451	CV-G1524	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18740+09
452	CV-G1526	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18774+51
453	CV-G1527	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18789+73

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REV	DATE	BY	CHK	APP	DESCRIPTION

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A. CARSON

DRAWN BY
J. MEREDITH

CHECKED BY
S. LANDOLT

IN CHARGE
G. CAMPBELL

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 PREFERRED ALTERNATIVE
 GENERAL
 INDEX OF DRAWINGS
 SHEET 4 OF 13

CONTRACT NO.
HSR13-44

DRAWING NO.
GE-B0005

SCALE
AS SHOWN

SHEET NO.
5

GRADING AND DRAINAGE PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
454	CV-G1528	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18818+02
455	CV-G1529	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18890+45
456	CV-G1530	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18890+45
457	CV-G1531	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18901+81
458	CV-G1532	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18913+23
459	CV-G1533	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18925+73
460	CV-G1534	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18925+73
461	CV-G1535	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18933+32
462	CV-G1536	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19030+40
463	CV-G1537	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19070+72
464	CV-G1042	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19168
465	CV-G1043	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19189
466	CV-G1044	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19211, 19240
467	CV-G1045	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19484
468	CV-G1046	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19615, 19644
469	CV-G1047	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19667, 19680
470	CV-G1048	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19692
471	CV-G1049	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19702, 19721
472	CV-G1050	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19732, 19745
473	CV-G1051	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19753, 19769
474	CV-G1052	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19780, 19832
475	CV-G1053	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20004
476	CV-G1054	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20033
477	CV-G1055	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20039, 20052
478	CV-G1056	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20091, 20142
479	CV-G1058	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20294, 20306
480	CV-G1059	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20319, 20331
481	CV-G1060	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20338, 20345
482	CV-G1061	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20376
483	CV-G1062	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20382, 20388
484	CV-G1063	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20397, 20405
485	CV-G1064	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20410, 20415
486	CV-G1065	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20427
487	CV-G1066	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20442, 20451
488	CV-G1067	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20526
489	CV-G1068	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20549, 20555
490	CV-G1069	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20573, 20584
491	CV-G1070	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20599, 20602
492	CV-G1071	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20673, 20693
493	CV-G1072	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20716, 20720
494	CV-G1073	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 21169

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
495	CV-G4301	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17285+00 TO 17310+00
496	CV-G4302	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17310+00 TO 17335+00
497	CV-G4303	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17335+00 TO 17360+00
498	CV-G4304	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17360+00 TO 17385+00
499	CV-G4305	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17385+00 TO 17410+00
500	CV-G4306	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17410+00 TO 17435+00
501	CV-G4307	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17435+00 TO 17460+00
502	CV-G4308	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17460+00 TO 17485+00
503	CV-G4309	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17485+00 TO 17510+00
504	CV-G4310	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17510+00 TO 17535+00
505	CV-G4311	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17535+00 TO 17560+00
506	CV-G4312	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17560+00 TO 17585+00
507	CV-G4313	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17585+00 TO 17610+00
508	CV-G4314	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17610+00 TO 17635+00
509	CV-G4315	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17635+00 TO 17660+00
510	CV-G4316	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17660+00 TO 17685+00

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
511	CV-G4317	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17685+00 TO 17710+00
512	CV-G4318	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17710+00 TO 17735+00
513	CV-G4319	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17735+00 TO 17760+00
514	CV-G4320	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17760+00 TO 17785+00
515	CV-G4321	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17785+00 TO 17810+00
516	CV-G4322	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17810+00 TO 17835+00
517	CV-G4323	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17835+00 TO 17860+00
518	CV-G4324	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17860+00 TO 17885+00
519	CV-G4325	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17885+00 TO 17910+00
520	CV-G4326	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 17397+00
521	CV-G4327	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 17397+00
522	CV-G4328	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17787+00
523	CV-G4026	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17910+00 TO 17935+00
524	CV-G4027	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17935+00 TO 17960+00
525	CV-G4028	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17960+00 TO 17985+00
526	CV-G4029	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17985+00 TO 18010+00
527	CV-G4030	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18010+00 TO 18035+00
528	CV-G4031	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18035+00 TO 18060+00
529	CV-G4032	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18060+00 TO 18085+00
530	CV-G4033	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18085+00 TO 18110+00
531	CV-G4034	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18110+00 TO 18135+00
532	CV-G4035	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18135+00 TO 18160+00
533	CV-G4036	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18160+00 TO 18185+00
534	CV-G4037	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18185+00 TO 18210+00
535	CV-G4038	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18210+00 TO 18235+00
536	CV-G4039	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18235+00 TO 18260+00
537	CV-G4040	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18260+00 TO 18285+00
538	CV-G4041	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18285+00 TO 18310+00
539	CV-G4701	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18295+00 to 18320+00
540	CV-G4702	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18320+00 to 18345+00
541	CV-G4703	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18345+00 to 18370+00
542	CV-G4704	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18370+00 to 18395+00
543	CV-G4705	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18395+00 to 18420+00
544	CV-G4706	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18420+00 to 18445+00
545	CV-G4707	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18445+00 to 18470+00
546	CV-G4708	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18470+00 to 18495+00
547	CV-G4709	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18495+00 to 18520+00
548	CV-G4710	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18520+00 to 18545+00
549	CV-G4711	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18545+00 to 18570+00
550	CV-G4712	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18570+00 to 18595+00
551	CV-G4713	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18595+00 to 18620+00
552	CV-G4714	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18620+00 to 18645+00
553	CV-G4715	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18645+00 to 18670+00
554	CV-G4716	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18670+00 to 18695+00
555	CV-G4717	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18695+00 to 18720+00
556	CV-G4718	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18720+00 to 18745+00
557	CV-G4719	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18745+00 to 18770+00
558	CV-G4720	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18770+00 to 18795+00
559	CV-G4721	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18795+00 to 18820+00
560	CV-G4722	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18820+00 to 18845+00
561	CV-G4723	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18845+00 to 18870+00
562	CV-G4724	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18870+00 to 18895+00
563	CV-G4725	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18895+00 to 18920+00
564	CV-G4726	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18920+00 to 18945+00
565	CV-G4727	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18945+00 to 18970+00
566	CV-G4728	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18970+00 to 18995+00
567	CV-G4729	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18995+00 to 19020+00
568	CV-G4730	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 19020+00 to 19045+00
569	CV-G4731	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 19045+00 to 19070+00
570	CV-G4732	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 19070+00 to 19095+00
571	CV-G4733	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 19095+00 to 19120+00
572	CV-G4734	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18457+00

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 INDEX OF DRAWINGS
 SHEET 5 OF 13

CONTRACT NO.
HSR13-44

DRAWING NO.
GE-B0006

SCALE
AS SHOWN

SHEET NO.
6

GRADING AND DRAINAGE PLAN SHEETS

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
573	CV-G4735	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18507+00
574	CV-G4736	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18507+00
575	CV-G4737	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18601+00
576	CV-G4738	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18601+00
577	CV-G4739	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18601+00
578	CV-G4740	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18705+00 TO 18730+00
579	CV-G4741	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18710+00 TO 18735+00
580	CV-G4742	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18735+00 TO 18755+00
581	CV-G4743	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18795+00 TO 18820+00
582	CV-G4744	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18820+00 TO 18845+00
583	CV-G4745	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18875+00 TO 18905+00
584	CV-G4746	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18905+00 TO 18930+00
585	CV-G4747	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 18930+00 TO 18944+00
586	CV-G4748	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18920+00
587	CV-G4749	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18920+00
588	CV-G4750	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - ACCESS ROAD 18920+00
589	CV-G4751	REFINED CCNM DESIGN OPTION - GRADING AND DRAINAGE - PLAN - STA 19015+00 TO 19025+00
590	CV-G4073	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19085+00 TO 19110+00
591	CV-G4074	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19110+00 TO 19135+00
592	CV-G4075	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19135+00 TO 19160+00
593	CV-G4076	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19160+00 TO 19185+00
594	CV-G4077	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19185+00 TO 19210+00
595	CV-G4078	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19210+00 TO 19235+00
596	CV-G4079	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19235+00 TO 19260+00
597	CV-G4080	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19260+00 TO 19285+00
598	CV-G4081	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19285+00 TO 19310+00
599	CV-G4082	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19310+00 TO 19335+00
600	CV-G4083	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19335+00 TO 19360+00
601	CV-G4084	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19360+00 TO 19385+00
602	CV-G4085	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19385+00 TO 19410+00
603	CV-G4086	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19410+00 TO 19435+00
604	CV-G4087	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19435+00 TO 19460+00
605	CV-G4088	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19460+00 TO 19485+00
606	CV-G4088A	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19475+00
607	CV-G4089	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19485+00 TO 19510+00
608	CV-G4090	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19510+00 TO 19535+00
609	CV-G4091	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19535+00 TO 19560+00
610	CV-G4092	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19560+00 TO 19585+00
611	CV-G4093	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19585+00 TO 19610+00
612	CV-G4094	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19610+00 TO 19635+00
613	CV-G4095	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19635+00 TO 19660+00
614	CV-G4096	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19660+00 TO 19685+00
615	CV-G4097	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19685+00 TO 19710+00
616	CV-G4098	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19710+00 TO 19735+00
617	CV-G4099	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19735+00 TO 19760+00
618	CV-G4100	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19760+00 TO 19785+00
619	CV-G4101	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19785+00 TO 19810+00
620	CV-G4102	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19810+00 TO 19835+00
621	CV-G4103	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19835+00 TO 19860+00
622	CV-G4104	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19860+00 TO 19885+00
623	CV-G4105	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19885+00 TO 19910+00
624	CV-G4106	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19910+00 TO 19935+00
625	CV-G4107	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19935+00 TO 19960+00
626	CV-G4108	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19960+00 TO 19985+00
627	CV-G4109	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19985+00 TO 20010+00
628	CV-G4110	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 20010+00 TO 20035+00
629	CV-G4111	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20035+00 TO 20060+00
630	CV-G4112	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20060+00 TO 20085+00
631	CV-G4113	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20085+00 TO 20110+00
632	CV-G4114	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20110+00 TO 20135+00
633	CV-G4115	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20135+00 TO 20160+00

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
634	CV-G4116	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20160+00 TO 20185+00
635	CV-G4117	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20185+00 TO 20210+00
636	CV-G4118	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20210+00 TO 20235+00
637	CV-G4119	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20235+00 TO 20260+00
638	CV-G4120	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20260+00 TO 20285+00
639	CV-G4121	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20285+00 TO 20310+00
640	CV-G4122	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20310+00 TO 20335+00
641	CV-G4123	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20335+00 TO 20360+00
642	CV-G4124	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20360+00 TO 20385+00
643	CV-G4125	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20385+00 TO 20410+00
644	CV-G4126	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20410+00 TO 20435+00
645	CV-G4127	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20435+00 TO 20460+00
646	CV-G4128	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20460+00 TO 20485+00
647	CV-G4129	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20485+00 TO 20510+00
648	CV-G4130	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20510+00 TO 20535+00
649	CV-G4131	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20535+00 TO 20560+00
650	CV-G4132	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20560+00 TO 20585+00
651	CV-G4133	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20585+00 TO 20610+00
652	CV-G4134	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20610+00 TO 20635+00
653	CV-G4135	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20635+00 TO 20660+00
654	CV-G4136	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20660+00 TO 20685+00
655	CV-G4137	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20685+00 TO 20710+00
656	CV-G4138	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20710+00 TO 20735+00
657	CV-G4139	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20735+00 TO 20760+00
658	CV-G4140	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20760+00 TO 20785+00
659	CV-G4141	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20785+00 TO 20810+00
660	CV-G4142	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20810+00 TO 20835+00
661	CV-G4143	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20835+00 TO 20860+00
662	CV-G4144	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20860+00 TO 20885+00
663	CV-G4145	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20885+00 TO 20910+00
664	CV-G4146	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20910+00 TO 20935+00
665	CV-G4147	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20935+00 TO 20960+00
666	CV-G4148	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20960+00 TO 20985+00
667	CV-G4149	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20985+00 TO 21010+00
668	CV-G4150	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21010+00 TO 21035+00
669	CV-G4151	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21035+00 TO 21060+00
670	CV-G4152	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21060+00 TO 21085+00
671	CV-G4153	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21085+00 TO 21110+00
672	CV-G4154	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21110+00 TO 21135+00
673	CV-G4155	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
674	CV-G4156	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
675	CV-G4157	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
676	CV-G4158	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21210+00 TO 21235+00
677	CV-G4159	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21010+00 TO 21035+00
678	CV-G4160	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21035+00 TO 21060+00
679	CV-G4161	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21060+00 TO 21085+00
680	CV-G4162	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21085+00 TO 21110+00
681	CV-G4163	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21110+00 TO 21135+00
682	CV-G4164	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
683	CV-G4165	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
684	CV-G4166	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
685	CV-G4167	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21210+00 TO 21235+00
686	CV-G4168	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
687	CV-G4169	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
688	CV-G4170	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
689	CV-G4171	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18672+50 TO 18697+50
690	CV-G4172	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18872+50 TO 18897+50
691	CV-G4173	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18997+50 TO 19022+50
692	CV-G4174	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17596+00
693	CV-G4175	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17711+00
694	CV-G4176	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00

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1/27/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON

DRAWN BY
J. MEREDITH

CHECKED BY
S. LANDOLT

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 PREFERRED ALTERNATIVE
 GENERAL
 INDEX OF DRAWINGS
 SHEET 6 OF 13

CONTRACT NO.
HSR13-44

DRAWING NO.
GE-B0007

SCALE
AS SHOWN

SHEET NO.
7

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
695	CV-G4177	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00
696	CV-G4178	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00
697	CV-G4180	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18457+00
698	CV-G4181	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
699	CV-G4182	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
700	CV-G4183	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
701	CV-G4184	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
702	CV-G4185	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
703	CV-G4186	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
704	CV-G4189	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19755+00
705	CV-G4190	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19755+00
706	CV-G4191	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19945+00
707	CV-G4192	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19945+00
708	CV-G4193	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 20084+00
709	CV-G4194	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 20084+00
710	CV-G4197	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
711	CV-G4198	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
712	CV-G4199	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
713	CV-G4201	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20861+00
714	CV-G4207	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20968+00
715	CV-G4208	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21022+00
716	CV-G4209	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21128+00

RETAINING WALL PLAN AND PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
717	ST-G1031	ALTERNATIVE 2 - RETAINING WALL - 17492 - PLAN AND PROFILE
718	ST-G1032	ALTERNATIVE 2 - RETAINING WALL - 17530 - PLAN AND PROFILE
719	ST-G1033	ALTERNATIVE 2 - RETAINING WALL - 17617 AND 17623 - PLAN AND PROFILE
720	ST-G1034	ALTERNATIVE 2 - RETAINING WALL - 17726 AND 17734 - PLAN AND PROFILE
721	ST-G1001	ALTERNATIVE 1,2,3,5 - RETAINING WALL - MORNING DRIVE - PLAN AND PROFILE
722	ST-G1005	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18168 - PLAN AND PROFILE
723	ST-G1201	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18335 - PLAN AND PROFILE
724	ST-G1202	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18430 - PLAN AND PROFILE
725	ST-G1203	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18450 - PLAN AND PROFILE
726	ST-G1204	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18603 - PLAN AND PROFILE
727	ST-G1205	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18850 - PLAN AND PROFILE
728	ST-G1206	REFINED CCNM DESIGN OPTION - RETAINING WALL - 18884 - PLAN AND PROFILE
729	ST-G1207	REFINED CCNM DESIGN OPTION - RETAINING WALL - 19087 AND 19088 - PLAN AND PROFILE
730	ST-G1016	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE G - PLAN AND PROFILE
731	ST-G1017	ALTERNATIVE 1,2,3 - RETAINING WALL - SIERRA HIGHWAY - PLAN AND PROFILE
732	ST-G1018	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE H - PLAN AND PROFILE
733	ST-G1019	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
734	ST-G1020	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
735	ST-G1021	ALTERNATIVE 1,2,3 - RETAINING WALL - LANCASTER BLVD - PLAN AND PROFILE
736	ST-G1022	ALTERNATIVE 1,2,3 - RETAINING WALL - LANCASTER BLVD - PLAN AND PROFILE
737	ST-G1023	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
738	ST-G1024	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
739	ST-G1025	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
740	ST-G1026	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
741	ST-G1027	ALTERNATIVE 1,2,3 - RETAINING WALL - 20969 - PLAN AND PROFILE

RETAINING WALL PLAN AND PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
742	ST-G1028	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE L - PLAN AND PROFILE
743	ST-G1029	ALTERNATIVE 1,2,3,5 - RETAINING WALL - AVENUE N - PLAN AND PROFILE
744	ST-G1030	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE N - PLAN AND PROFILE

CONSTRUCTION SEQUENCE GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
745	CV-B0003	ALTERNATIVE 1,2,3,5 - NOTES & LEGEND
746	CV-I0101	REFINED CCNM DESIGN OPTION - CONSTRUCTION SEQUENCING GENERAL - NOTES AND LEGEND
747	CV-C0004	ALTERNATIVE 1 - KEY MAP
748	CV-C0005	ALTERNATIVE 2 - KEY MAP
749	CV-I0102	REFINED CCNM DESIGN OPTION - CONSTRUCTION SEQUENCING GENERAL - KEY MAP

CONSTRUCTION SEQUENCE

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
750	CV-I1008	ALTERNATIVE 2 - CONSTRUCTION SEQUENCE - SHEET 8 OF 11
751	CV-I1002	ALTERNATIVE 1 - CONSTRUCTION SEQUENCE - SHEET 2 OF 11
752	CV-I1201	REFINED CCNM DESIGN OPTION - CONSTRUCTION SEQUENCING - SHEET 1 OF 2
753	CV-I1202	REFINED CCNM DESIGN OPTION - CONSTRUCTION SEQUENCING - SHEET 2 OF 2
754	CV-I1004	ALTERNATIVE 1 - CONSTRUCTION SEQUENCE - SHEET 4 OF 11
755	CV-I1005	ALTERNATIVE 1 - CONSTRUCTION SEQUENCE - SHEET 5 OF 11
756	CV-I1006	ALTERNATIVE 1 - CONSTRUCTION SEQUENCE - SHEET 6 OF 11
757	CV-I1007	ALTERNATIVE 1 - CONSTRUCTION SEQUENCE - SHEET 7 OF 11

STRUCTURES GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
758	ST-B0003	TRACK AND ROADWAY STRUCTURES - GENERAL NOTES AND LEGENDS
759	ST-B0101	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - GENERAL NOTES AND LEGEND
760	ST-B0004	ALTERNATIVE 1 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
761	ST-B0005	ALTERNATIVE 1 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
762	ST-B0006	ALTERNATIVE 2 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
763	ST-B0007	ALTERNATIVE 2 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
764	ST-B0102	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - KEY MAP
765	ST-B3001	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 1 OF 11
766	ST-B3002	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 2 OF 11
767	ST-B3003	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 3 OF 11
768	ST-B3003A	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 4 OF 11
769	ST-B3004	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 5 OF 11
770	ST-B3005	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 6 OF 11
771	ST-B3005A	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 7 OF 11
772	ST-B3006	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 8 OF 11
773	ST-B3008	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 9 OF 11
774	ST-B3009	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 10 OF 11
775	ST-B3010	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 11 OF 11
776	ST-B3101	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 1 OF 7
777	ST-B3102	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 2 OF 7
778	ST-B3103	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 3 OF 7
779	ST-B3104	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 4 OF 7
780	ST-B3105	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 5 OF 7
781	ST-B3106	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 6 OF 7
782	ST-B3107	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - TYPICAL SECTIONS - SHEET 7 OF 7

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 7 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0008
SCALE
AS SHOWN
SHEET NO.
8

TRACK STRUCTURES

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
783-795	ST-J1104 TO ST-J1116	ALTERNATIVE 2 - VIADUCT STATION 17285+00 TO 17412+52.05 - PLAN AND ELEVATION
796	ST-J1120	ALTERNATIVE 2 - VINELAND ROAD UNDERPASS - PLAN AND ELEVATION
797-800	ST-J1121 TO ST-J1124	ALTERNATIVE 2 - VIADUCT STATION 17497+70 TO 17530+70 - PLAN AND ELEVATION
801	ST-J1125	ALTERNATIVE 2 - MALAGA ROAD UNDERPASS - PLAN AND ELEVATION
802	ST-J1126	ALTERNATIVE 2 - COMANCHE DRIVE UNDERPASS - PLAN AND ELEVATION
803	ST-J1127	ALTERNATIVE 2 - TEJON HIGHWAY UNDERPASS - PLAN AND ELEVATION
804	ST-J1128	ALTERNATIVE 2 - TOWERLINE ROAD UNDERPASS - PLAN AND ELEVATION
805-806	ST-J1129 TO ST-J1130	ALTERNATIVE 2 - SR 58 VIADUCT - PLAN AND ELEVATION
807	ST-J1131	ALTERNATIVE 2 - NEUMARKEL ROAD UNDERPASS - PLAN AND ELEVATION
808-809	ST-J1132 TO ST-J1133	ALTERNATIVE 2 - VIADUCT STATION 17840+55 TO 17855+65 - PLAN AND ELEVATION
810-813	ST-J1027 TO ST-J1030	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18076+71 TO 18106+61 - PLAN AND ELEVATION
814	ST-J1031	ALTERNATIVES 1,2,3,5 - CALIENTE BODFISH RD UNDERPASS - PLAN AND ELEVATION
815	ST-J1032	ALTERNATIVES 1,2,3,5 - UNDERPASS STATION 18239+45 TO 18245+25 - PLAN AND ELEVATION
816	ST-J1301	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18465+50 to 18475+65 - PLAN AND ELEV
817	ST-J1302	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18465+50 to 18475+65 - PLAN AND ELEV
818	ST-J1303	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18491+62 to 18493+45 - PLAN AND ELEV
819	ST-J1304	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18597+24 to 18603+56 - PLAN AND ELEV
820	ST-J1305	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18744+33 to 18746+98 - PLAN AND ELEV
821	ST-J1306	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
822	ST-J1307	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
823	ST-J1308	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
824	ST-J1309	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
825	ST-J1310	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
826	ST-J1311	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 18838+59 to 18884+25 - PLAN AND ELEV
827	ST-J1311A	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 19076+14 to 19078+14 - PLAN AND ELEV
828	ST-J1311B	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - VIADUCT STATION 19075+84 to 19077+84 - PLAN AND ELEV
829	ST-J1312	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - SOUTH VIADUCT STATION 19097+53 to 19097+39.69 - ALT 1,2,3,5 - PLAN AND ELEVATION
830	ST-J1313	REFINED CCNM DESIGN OPTION - TRACK STRUCTURES - NORTH VIADUCT STATION 19099+22 to 19097+68.69 - ALT 1,2,3,5 - PLAN AND ELEVATION
831-832	ST-J1050 TO ST-J1050A	ALTERNATIVES 1,2,3,5 - GOODRICK DRIVE-TEHACHAPI BLVD NORTH VIADUCT - PLAN AND ELEVATION
833-834	ST-J1051 TO ST-J1051A	ALTERNATIVES 1,2,3,5 - GOODRICK DRIVE-TEHACHAPI BLVD SOUTH VIADUCT - PLAN AND ELEVATION
835	ST-J1052	ALTERNATIVES 1,2,3,5 - STUBER ROAD NORTH UNDERPASS - PLAN AND ELEVATION
836	ST-J1053	ALTERNATIVES 1,2,3,5 - STUBER ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
837	ST-J1058	ALTERNATIVES 1,2,3,5 - NORTH UNDERPASS STATION 19271+95 TO 19276+25 - PLAN AND ELEVATION
838	ST-J1059	ALTERNATIVES 1,2,3,5 - SOUTH UNDERPASS STATION 19271+45 TO 19275+85 - PLAN AND ELEVATION
839-840	ST-J1060 TO ST-J1061	ALTERNATIVES 1,2,5 - NORTH VIADUCT STATION 19458+20 TO 19473+80 - PLAN AND ELEVATION
841-842	ST-J1062 TO ST-J1063	ALTERNATIVES 1,2,5 - SOUTH VIADUCT STATION 19458+20 TO 19473+80 - PLAN AND ELEVATION
843	ST-J1064	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD NORTH UNDERPASS 2 - PLAN AND ELEVATION
844	ST-J1065	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD SOUTH UNDERPASS 2 - PLAN AND ELEVATION
845	ST-J1066	ALTERNATIVES 1,2,5 - ROBERT RANCH ROAD NORTH UNDERPASS - PLAN AND ELEVATION
846	ST-J1067	ALTERNATIVES 1,2,5 - ROBERT RANCH ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
847	ST-J1068	ALTERNATIVES 1,2,5 - 110TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
848	ST-J1069	ALTERNATIVES 1,2,5 - 110TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
849	ST-J1070	ALTERNATIVES 1,2,5 - TROTTER AVENUE NORTH UNDERPASS - PLAN AND ELEVATION
850	ST-J1071	ALTERNATIVES 1,2,5 - TROTTER AVENUE SOUTH UNDERPASS - PLAN AND ELEVATION
851-852	ST-J1072 TO ST-J1073	ALTERNATIVES 1,2,5 - AQUEDUCT ROAD NORTH VIADUCT - PLAN AND ELEVATION
853-854	ST-J1074 TO ST-J1075	ALTERNATIVES 1,2,5 - AQUEDUCT ROAD SOUTH VIADUCT - PLAN AND ELEVATION

TRACK STRUCTURES

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
855	ST-J1078	ALTERNATIVES 1,2,5 - 105TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
856	ST-J1079	ALTERNATIVES 1,2,5 - 105TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
857	ST-J1080	ALTERNATIVES 1,2,5 - CHAMPANGUE ROAD NORTH UNDERPASS - PLAN AND ELEVATION
858	ST-J1081	ALTERNATIVES 1,2,5 - CHAMPANGNE ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
859	ST-J1087	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD UNDERPASS 3 - PLAN AND ELEVATION
860	ST-J1088	ALTERNATIVES 1,2,3,5 - DAWN ROAD - 85TH STREET UNDERPASS - PLAN AND ELEVATION
861	ST-J1089	ALTERNATIVES 1,2,3,5 - FAVORITO AVENUE - 80TH STREET UNDERPASS - PLAN AND ELEVATION
862-863	ST-J1090 TO ST-J1090A	ALTERNATIVES 1,2,3,5 - SWEETSER ROAD VIADUCT - PLAN AND ELEVATION
864	ST-J1091	ALTERNATIVES 1,2,3,5 - ROSAMOND BLVD UNDERPASS - PLAN AND ELEVATION
865	ST-J1092	ALTERNATIVES 1,2,3,5 - 60TH STREET UNDERPASS - PLAN AND ELEVATION
866	ST-J1093	ALTERNATIVES 1,2,3,5 - ASTORIA AVENUE UNDERPASS - PLAN AND ELEVATION
867	ST-J1094	ALTERNATIVES 1,2,3,5 - HOLIDAY AVENUE UNDERPASS - PLAN AND ELEVATION
868	ST-J1095	ALTERNATIVES 1,2,3,5 - 50TH STREET UNDERPASS - PLAN AND ELEVATION
869	ST-J1096	ALTERNATIVES 1,2,3,5 - AVENUE A UNDERPASS - PLAN AND ELEVATION
870	ST-J1096A	ALTERNATIVES 1,2,3,5 - 40TH STREET - AVENUE A8 VIADUCT - PLAN AND ELEVATION
871	ST-J1097	ALTERNATIVES 1,2,3,5 - AVENUE B EAST UNDERPASS - PLAN AND ELEVATION
872	ST-J1099	ALTERNATIVES 1,2,3,5 - 30TH STREET - AVENUE C UNDERPASS - PLAN AND ELEVATION
873	ST-J1100	ALTERNATIVES 1,2,3,5 - SR 138 UNDERPASS - PLAN AND ELEVATION
874	ST-J1101	ALTERNATIVES 1,2,3,5 - SR 14 UNDERPASS - PLAN AND ELEVATION
875	ST-J1102	ALTERNATIVES 1,2,3,5 - AVENUE E UNDERPASS - PLAN AND ELEVATION
876-878	ST-J1103 TO ST-J1103B	ALTERNATIVES 1,2,3 - AVENUE F VIADUCT - PLAN AND ELEVATION
879	ST-J1103C	ALTERNATIVES 1,2,3 - AVENUE I OVERHEAD - PLAN AND ELEVATION
880	ST-J1103D	ALTERNATIVES 1,2,3 - LANCASTER BLVD OVERHEAD - PLAN AND ELEVATION

ROADWAY STRUCTURES

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
881	ST-K1002	ALTERNATIVES 1,2,3,5 - MORNING DRIVE UNDERPASS - PLAN AND ELEVATION
882	ST-K1013	ALTERNATIVES 1,2,3,5 - GENERAL BEALE ROAD OVERHEAD - PLAN AND ELEVATION
883	ST-K1014	ALTERNATIVES 1,2,3,5 - BEALVILLE ROAD OVERHEAD - PLAN AND ELEVATION
884-885	ST-K1019A TO ST-K1019B	ALTERNATIVES 1,2,3,5 - HIGHLINE ROAD OVERHEAD - PLAN AND ELEVATION
886-888	ST-K1019C TO ST-K1019E	ALTERNATIVES 1,2,3,5 - TEHACHAPI WILLOW SPRINGS ROAD OVERHEAD - PLAN AND ELEVATION
889	ST-K1019F	ALTERNATIVES 1,3,5 - TUNNEL ACCESS ROAD BRIDGE - PLAN AND ELEVATION
890	ST-K1021	ALTERNATIVES 1,2,3 - AVENUE G OVERHEAD 1 - PLAN AND ELEVATION
891	ST-K1022	ALTERNATIVES 1,2,3 - AVENUE G OVERHEAD 2 - PLAN AND ELEVATION
892	ST-K1023	ALTERNATIVES 1,2,3 - SIERRA HIGHWAY OVERHEAD - PLAN AND ELEVATION
893	ST-K1024	ALTERNATIVES 1,2,3 - AVENUE H OVERHEAD - PLAN AND ELEVATION
894	ST-K1025A	ALTERNATIVES 1,2,3,5 - AVE I OVERCROSSING - PLAN AND ELEVATION
895	ST-K1025B	ALTERNATIVES 1,2,3,5 - AVE I UNDERPASS - PLAN AND ELEVATION
896	ST-K1026A	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERCROSSING - 1 - PLAN AND ELEVATION
897	ST-K1026B	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERPASS - PLAN AND ELEVATION
898	ST-K1026C	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERCROSSING - 2 - PLAN AND ELEVATION
899	ST-K1028	ALTERNATIVES 1,2,3 - AVENUE J OVERHEAD - PLAN AND ELEVATION
900	ST-K1029	ALTERNATIVES 1,2,3 - AVENUE K OVERHEAD - PLAN AND ELEVATION
901	ST-K1030	ALTERNATIVES 1,2,3 - AVENUE L OVERHEAD - PLAN AND ELEVATION
902-904	ST-K1031 TO ST-K1032A	ALTERNATIVES 1,2,3 - AVENUE M OVERHEAD - PLAN AND ELEVATION
905	ST-K1033	ALTERNATIVES 1,2,3 - DRAINAGE AND WILDLIFE CROSSING OVERHEAD - PLAN AND ELEVATION
906	ST-K1034	ALTERNATIVES 1,2,3 - AVENUE N OVERHEAD - PLAN AND ELEVATION

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TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 8 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0009
SCALE
AS SHOWN
SHEET NO.
9

MAINTENANCE FACILITY GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
907	MY-B0003	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 1 OF 3
908	MY-B0004	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 2 OF 3
909	MY-B0005	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 3 OF 3
910	MY-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - SYMBOLS, LEGEND, AND GENERAL NOTES - SHEET 1 OF 1
911	MY-B3001	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 1 OF 4
912	MY-B3002	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 2 OF 4
913	MY-B3003	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 3 OF 4
914	MY-B3004	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 4 OF 4
915	MY-C6001	ALTERNATIVE 1,2,3,5 - GENERAL - KEY MAP - SHEET 1 OF 1

MAINTENANCE FACILITY PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
916	MY-D1015	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PROFILE SHEET 1 OF 2
917	MY-D1016	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PROFILE SHEET 2 OF 2
918	MY-D1020	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PROFILE SHEET 1 OF 2
919	MY-D1021	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PROFILE SHEET 2 OF 2
920	MY-D1040	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 1 OF 9
921	MY-D1041	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 2 OF 9
922	MY-D1042	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 3 OF 9
923	MY-D1043	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 4 OF 9
924	MY-D1044	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 5 OF 9
925	MY-D1045	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 6 OF 9
926	MY-D1046	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 7 OF 9
927	MY-D1047	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 8 OF 9
928	MY-D1048	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - LMF - LANCASTER - PROFILE SHEET 9 OF 9

MAINTENANCE FACILITY PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
929	MY-D4015	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PLAN SHEET 1 OF 5
930	MY-D4016	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PLAN SHEET 2 OF 5
931	MY-D4017	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PLAN SHEET 3 OF 5
932	MY-D4018	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PLAN SHEET 4 OF 5
933	MY-D4019	ALTERNATIVE 2 - MAINTENANCE FACILITY - MOWS - EDISON - PLAN SHEET 5 OF 5
934	MY-D4020	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PLAN SHEET 1 OF 5
935	MY-D4021	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PLAN SHEET 2 OF 5
936	MY-D4022	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PLAN SHEET 3 OF 5
937	MY-D4023	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PLAN SHEET 4 OF 5
938	MY-D4024	ALTERNATIVE 1,2,3,5 - MAINTENANCE FACILITY - MOWS - TEHACHAPI - PLAN SHEET 5 OF 5
939	MY-D4051C	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - MOWF - LANCASTER - PLAN SHEET 1 OF 2
940	MY-D4051D	ALTERNATIVE 1,2,3 - MAINTENANCE FACILITY - MOWF - LANCASTER - PLAN SHEET 2 OF 2

TRACTION POWER GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
941	TP-B0003	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 1 OF 4
942	TP-B0004	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 2 OF 4
943	TP-B0005	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 3 OF 4
944	TP-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 4 OF 4
945	TP-B0201	REFINED CCNM DESIGN OPTION - TRACTION POWER GENERAL - LEGEND
946	TP-B3002	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 1 OF 4
947	TP-B3003	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 2 OF 4
948	TP-B3004	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 3 OF 4
949	TP-B3005	ALTERNATIVE 1,2,3,5 - GENERAL - TYPICAL SECTIONS - SHEET 4 OF 4
950	TP-B3201	REFINED CCNM DESIGN OPTION - TRACTION POWER GENERAL - TYPICAL SECTIONS - SHEET 1 OF 2
951	TP-B3202	REFINED CCNM DESIGN OPTION - TRACTION POWER GENERAL - TYPICAL SECTIONS - SHEET 2 OF 2
952	TP-B0202	REFINED CCNM DESIGN OPTION - TRACTION POWER GENERAL - KEY MAP

TRACTION POWER LAYOUTS, TYPICAL LAYOUTS, AND SITE PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
953	TP-D0001	ALTERNATIVE 1 - TRACTION POWER FACILITY LAYOUT
954	TP-D0002	ALTERNATIVE 2 - TRACTION POWER FACILITY LAYOUT
955	TP-D0201	REFINED CCNM DESIGN OPTION - TRACTION POWER FACILITY LAYOUT
956	TP-E4001	ALTERNATIVE 1,2,3,5 - TYPICAL LAYOUT - TRACTION POWER SUPPLY STATION - WITH 2 HIGH VOLTAGE TRANSFORMERS
957	TP-E4002	ALTERNATIVE 1,2,3,5 - TYPICAL LAYOUT - SWITCHING STATION - WITH 4 AUTOTRANSFORMERS
958	TP-E4003	ALTERNATIVE 1,2,3,5 - TYPICAL LAYOUT - PARALLELING STATION - WITH 2 AUTOTRANSFORMERS
959	TP-E4201	REFINED CCNM DESIGN OPTION - TYPICAL LAYOUT - TRACTION POWER SUBSTATION - WITH 2 HIGH VOLTAGE TRANSFORMERS
960	TP-E4202	REFINED CCNM DESIGN OPTION - TYPICAL LAYOUT - PARALLELING STATION - WITH 2 AUTOTRANSFORMERS
961	TP-F4002	ALTERNATIVE 1,2,3,5 - PROPOSED INTERCONNECT MONOLITH SUBSTATION
962	TP-F4003	ALTERNATIVE 1,2,3,5 - PROPOSED INTERCONNECT ANTELOPE VALLEY SUBSTATION
963	TP-O4101	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-MIL 17370+00
964	TP-O4102	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-RED 17590+72
965	TP-O4103	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-NEU 17824+31
966	TP-O4004	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - SWITCHING STATION D-SWS-BEN 18103+22
967	TP-O4005	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-BEA 18302+00
968	TP-O4401	REFINED CCNM DESIGN OPTION - TRACTION POWER SITE PLAN - PROPOSED PARALLELING STATION 3
969	TP-O4402	REFINED CCNM DESIGN OPTION - TRACTION POWER SITE PLAN - PROPOSED PARALLELING STATION 4
970	TP-O4403	REFINED CCNM DESIGN OPTION - TRACTION POWER SITE PLAN - PROPOSED TPSS #15
971	TP-O4009	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-HIG 19234+50
972	TP-O4010	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-CAM 19449+75
973	TP-O4011	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-ROB 19695+00
974	TP-O4012	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-TEH 20015+00
975	TP-O4013	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-HID 20290+43
976	TP-O4014	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-C12 20571+50
977	TP-O4015	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - SWITCHING STATION D-SWS-HAV 20845+75
978	TP-O4016	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-COL 21134+76

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1/27/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 9 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0010
SCALE
AS SHOWN
SHEET NO.
10

COMMUNICATIONS GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
979	CO-B0003	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 1 OF 4
980	CO-B0004	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 2 OF 4
981	CO-B0005	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 3 OF 4
982	CO-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS - SHEET 4 OF 4
983	CO-C6001	ALTERNATIVE 1,2,3,5 - GENERAL - KEY MAP - SHEET 1 OF 2
984	CO-C6002	ALTERNATIVE 1,2,3,5 - GENERAL - KEY MAP - SHEET 2 OF 2

COMMUNICATIONS LAYOUTS AND SITE PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
985	CO-D0001	ALTERNATIVE 1 - COMMUNICATIONS LAYOUT
986	CO-D0002	ALTERNATIVE 2 - COMMUNICATIONS LAYOUT
987	CO-F4001	ALTERNATIVE 1,2,3,5 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 17329+98
988	CO-F4002	ALTERNATIVE 1,2,5 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 19802+39
989	CO-F4003	ALTERNATIVE 1,2,5 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 19907+50
990	CO-F4004	ALTERNATIVE 1,2,3,5 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 20210+00
991	CO-F4005	ALTERNATIVE 1,2,3,5 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 20396+00
992	CO-F4006	ALTERNATIVE 1,2,3 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 20720+00
993	CO-F4007	ALTERNATIVE 1,2,3 - COMMUNICATIONS SYSTEM SITE PLAN - STAND ALONE RADIO SITE STA 21004+00

TRAIN CONTROL GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
994	TC-B0003	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 1 OF 4
995	TC-B0004	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 2 OF 4
996	TC-B0005	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 3 OF 4
997	TC-B0006	ALTERNATIVE 1,2,3,5 - GENERAL - ABBREVIATIONS AND LEGEND - SHEET 4 OF 4
998	TC-B0201	REFINED CCNM DESIGN OPTION - AUTOMATIC TRAIN CONTROL GENERAL - ABBREVIATIONS AND LEGEND
999	TC-C6001	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
1000	TC-C6002	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
1001	TC-C6003	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
1002	TC-C6004	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
1003	TC-B0202	REFINED CCNM DESIGN OPTION - AUTOMATIC TRAIN CONTROL GENERAL - KEY MAP

TRAIN CONTROL LAYOUTS AND SITE PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1004	TC-D0001	ALTERNATIVE 1 - AUTOMATIC TRAIN CONTROL LAYOUT
1005	TC-D0002	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL LAYOUT
1006	TC-B0203	REFINED CCNM DESIGN OPTION - AUTOMATIC TRAIN CONTROL LAYOUT
1007	TC-F4025	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 17441+00
1008	TC-F4026	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITES 17651+69, 17670+00
1009	TC-F4027	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-E SITE 17700+50
1010	TC-F4028	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITE 17729+26
1011	TC-F4029	ALTERNATIVE 2 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITE 17766+29
1012	TC-F4005	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 17950+00
1013	TC-F4006	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 18302+00
1014	TC-F4201	REFINED CCNM DESIGN OPTION - AUTOMATIC TRAIN CONTROL SITE PLAN - SITE @ 18749+68
1015	TC-F4008	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITES 19131+50
1016	TC-F4009	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITE 19178+00
1017	TC-F4010	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-E SITE 19208+50
1018	TC-F4011	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITE 19245+75
1019	TC-F4012	ALTERNATIVE 1,2,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 19607+00
1020	TC-F4013	ALTERNATIVE 1,2,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 20060+00
1021	TC-F4015	ALTERNATIVE 1,2,3,5 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 20502+50
1022	TC-F4017	ALTERNATIVE 1,2,3 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 20845+75
1023	TC-F4018	ALTERNATIVE 1,2,3 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-B SITES 21025+64, 21035+64, 21046+00
1024	TC-F4019	ALTERNATIVE 1,2,3 - AUTOMATIC TRAIN CONTROL SITE PLAN - ATC-D SITE 21136+00

TUNNEL GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1025	TN-B0003	GENERAL ABBREVIATIONS AND LEGENDS - SHEET 1 OF 4
1026	TN-B0004	GENERAL ABBREVIATIONS AND LEGENDS - SHEET 2 OF 4
1027	TN-B0005	GENERAL ABBREVIATIONS AND LEGENDS - SHEET 3 OF 4
1028	TN-B0006	GENERAL ABBREVIATIONS AND LEGENDS - SHEET 4 OF 4
1029	TN-B0201	REFINED CCNM DESIGN OPTION - TUNNEL LEGEND
1030	TN-B0007	ALTERNATIVE 1,2,3,5 TUNNELS KEY MAP - SHEET 1 OF 1
1031	TN-B0202	REFINED CCNM DESIGN OPTION - KEY MAP - ALIGNMENT TUNNELS

TUNNEL PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1032	TN-C4003	ALIGNMENT ALT 1, 2, 3, 5 - TUNNEL 1 - STA 18015+00 TO 18075+00
1033	TN-C4004	ALIGNMENT ALT 1, 2, 3, 5 - TUNNEL 2 - STA 18103+00 TO 18163+00
1034	TN-C4005	ALIGNMENT ALT 1, 2, 3, 5 - TUNNEL 3 - STA 18171+00 TO 18231+00
1035	TN-C4401	REFINED CCNM DESIGN OPTION - TUNNEL 4 - STA 18325+00 TO STA 18375+00
1036	TN-C4402	REFINED CCNM DESIGN OPTION - TUNNEL 4 - STA 18375+00 TO STA 18425+00
1037	TN-C4403	REFINED CCNM DESIGN OPTION - TUNNEL 4 - STA 18425+00 TO STA 18475+00
1038	TN-C4404	REFINED CCNM DESIGN OPTION - TUNNEL 5 - STA 18475+00 TO STA 18525+00
1039	TN-C4405	REFINED CCNM DESIGN OPTION - TUNNEL 5 - STA 18525+00 TO STA 18575+00
1040	TN-C4406	REFINED CCNM DESIGN OPTION - TUNNEL 6 - STA 18575+00 TO STA 18625+00
1041	TN-C4407	REFINED CCNM DESIGN OPTION - TUNNEL 6 - STA 18625+00 TO STA 18675+00
1042	TN-C4408	REFINED CCNM DESIGN OPTION - TUNNEL 6 - STA 18675+00 TO STA 18725+00
1043	TN-C4409	REFINED CCNM DESIGN OPTION - TUNNEL 7 - STA 18875+00 TO STA 18925+00
1044	TN-C4410	REFINED CCNM DESIGN OPTION - TUNNEL 7 - STA 18925+00 TO STA 18975+00
1045	TN-C4411	REFINED CCNM DESIGN OPTION - TUNNEL 7 - STA 18975+00 TO STA 19025+00
1046	TN-C4412	REFINED CCNM DESIGN OPTION - TUNNEL 7 - STA 19025+00 TO STA 19075+00
1047	TN-C4012A	ALIGNMENT ALT 1, 2, 5 - TUNNEL 8 - STA 19235+00 TO 19285+00
1048	TN-C4013	ALIGNMENT ALT 1, 2, 5 - TUNNEL 8 - STA 19285+00 TO 19335+00
1049	TN-C4014	ALIGNMENT ALT 1, 2, 5 - TUNNEL 8 - STA 19335+00 TO 19398+00
1050	TN-C4015	ALIGNMENT ALT 1, 2, 5 - TUNNEL 8 - STA 19398+00 TO 19463+00
1051	TN-C4016	ALIGNMENT ALT 1, 2, 5 - TUNNEL 9 - STA 19463+00 TO 19524+00
1052	TN-C4017	ALIGNMENT ALT 1, 2, 5 - TUNNEL 9 - STA 19524+00 TO 19585+00
1053	TN-C4018	ALIGNMENT ALT 1, 2, 5 - TUNNEL 9 - STA 19585+00 TO 19645+00
1054	TN-C4201	ALTERNATIVE 1, 2, 3 - TYPICAL UNDERPASS LAYOUT

TUNNEL PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1055	TN-Y1001	ALT 1, 2, 3, 5 - TUNNEL PROFILES - TUNNEL 1 AND TUNNEL 2
1056	TN-Y1002	ALT 1, 2, 3, 5 - TUNNEL PROFILES - TUNNEL 3 AND TUNNEL 4
1057	TN-C1101	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 4
1058	TN-C1102	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 5
1059	TN-C1103	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 6
1060	TN-C1104	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 6
1061	TN-C1105	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 6
1062	TN-C1106	REFINED CCNM DESIGN OPTION - TUNNEL PROFILES - TUNNEL 7
1063	TN-Y1009	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 8 SHEET 1
1064	TN-Y1010	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 8 SHEET 2
1065	TN-Y1011	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 8 SHEET 3
1066	TN-Y1012	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 8 SHEET 4
1067	TN-Y1013	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 8 AND TUNNEL 9
1068	TN-Y1014	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 9 SHEET 1
1069	TN-Y1015	ALT 1, 2, 5 - TUNNEL PROFILES - TUNNEL 9 SHEET 2
1070	TN-Y1201	ALT 1, 2, 3, 5 - PROFILE VIEW - TYPICAL UNDERPASS PROFILE

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1/27/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CARSON
DRAWN BY J. MEREDITH
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

**RECORD SET
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 10 OF 13

CONTRACT NO. HSR13-44
DRAWING NO. GE-B0011
SCALE AS SHOWN
SHEET NO. 11

TUNNEL SECTIONS AND DETAILS SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1071	TN-B3301	ALT 1, 2, 3, 5 - TUNNEL SEQUENTIAL EXCAVATION METHOD - SINGLE TUNNEL CLEARANCE DIAGRAM - TANGENT TRACK
1072	TN-B3302	ALT 1, 2, 3, 5 - TUNNEL SEQUENTIAL EXCAVATION METHOD - EXCAVATION SEQUENCE - INITIAL SUPPORT
1073	TN-B3303	ALT 1, 2, 3, 5 - TUNNEL DRILL AND BLAST METHOD - SINGLE TUNNEL - CLEARANCE DIAGRAM
1074	TN-B3304	ALT 1, 2, 3, 5 - TUNNEL DRILL AND BLAST METHOD - SINGLE TUNNEL - INITIAL SUPPORT
1075	TN-B3305	ALT 1, 2, 3, 5 - TUNNEL DRILL AND BLAST METHOD - TWIN TUNNELS - CLEARANCE DIAGRAM - TANGENT TRACK
1076	TN-B3306	ALT 1, 2, 3, 5 - TUNNEL DRILL AND BLAST METHOD - TWIN TUNNELS - CLEARANCE DIAGRAM - SUPER ELEVATED TRACK
1077	TN-B3307	ALT 1, 2, 3, 5 - TUNNEL DRILL AND BLAST METHOD - TWIN TUNNELS - INITIAL SUPPORT
1078	TN-B3308	ALT 1, 2, 3, 5 - TUNNEL TWIN TBM BORED TUNNELS - CLEARANCE DIAGRAM - TANGENT TRACK
1079	TN-B3309	ALT 1, 2, 3, 5 - TUNNEL TWIN TBM BORED TUNNELS - CLEARANCE DIAGRAM - SUPER ELEVATED TRACK
1080	TN-B3310	ALT 1, 2, 3, 5 - TUNNEL TWIN TBM BORED TUNNELS - INITIAL SUPPORT
1081	TN-B3311	ALT 1, 2, 3, 5 - TUNNEL CUT AND COVER BOX - (HABITAT RESTORATION) - CLEARANCE DIAGRAM - TANGENT TRACK
1082	TN-B3312	ALT 1, 2, 3, 5 - TUNNEL CUT AND COVER BOX - (HABITAT RESTORATION) - CLEARANCE DIAGRAM - SUPER ELEVATED TRACK
1083	TN-B3313	ALT 1, 2, 3, 5 - TUNNEL CUT AND COVER BOX - TWIN TUNNEL SINGLE TRACK - CLEARANCE DIAGRAM - TANGENT TRACK
1084	TN-B3314	ALT 1, 2, 3, 5 - TUNNEL CUT AND COVER BOX - TWIN TUNNEL SINGLE TRACK - CLEARANCE DIAGRAM - SUPER ELEVATED TRACK
1085	TN-B3315	ALT 1, 2, 3, 5 - TUNNEL EMERGENCY CROSS PASSAGE
1086	TN-B3316	ALT 1, 2, 3, 5 - TYPICAL TRANSVERSE SECTION - PORTAL FACILITIES - FOR SINGLE TUNNEL CONFIGURATION
1087	TN-B3317	ALT 1, 2, 3, 5 - TYPICAL TRANSVERSE SECTION - PORTAL FACILITIES - FOR TWIN TUNNEL CONFIGURATION
1088	TN-B3318	ALT 1, 2, 3, 5 - TYPICAL TUNNEL PORTAL FACILITIES PLAN - SINGLE TUNNEL CONFIGURATION
1089	TN-B3319	ALT 1, 2, 3, 5 - TYPICAL TUNNEL PORTAL FACILITIES PLAN - TWIN TUNNEL CONFIGURATION
1090	TN-B3320	ALT 1, 2, 3, 5 - TYPICAL TUNNEL PORTAL FACILITIES PLAN - AT GRADE TWIN TUNNEL CONFIGURATION - LONG SECTION
1091	TN-B3321	ALT 1, 2, 3, 5 - TYPICAL TUNNEL PORTAL FACILITIES PLAN - AT GRADE SINGLE TUNNEL CONFIGURATION - TRACK LONG SECTION
1092	TN-B3322	ALT 1, 2, 3, 5 - TUNNEL CUT AND COVER BOX - PEDESTRIAN UNDERPASS
1093	TN-D3101	REFINED CCNM DESIGN OPTION - TUNNEL DRILL AND BLAST METHOD - SINGLE TUNNEL - CLEARANCE DIAGRAM
1094	TN-D3102	REFINED CCNM DESIGN OPTION - TUNNEL DRILL AND BLAST METHOD - SINGLE TUNNEL - INITIAL SUPPORT
1095	TN-D3103	REFINED CCNM DESIGN OPTION - TUNNEL CUT AND COVER BOX - CLEARANCE DIAGRAM - TANGENT TRACK
1096	TN-D3104	REFINED CCNM DESIGN OPTION - TUNNEL CUT AND COVER BOX - CLEARANCE DIAGRAM - SUPER ELEVATED TRACK
1097	TN-D3105	REFINED CCNM DESIGN OPTION - TWIN TUNNEL DRILL AND BLAST METHOD - CLEARANCE DIAGRAM - TANGENT TRACK
1098	TN-D3106	REFINED CCNM DESIGN OPTION - TWIN TUNNEL DRILL AND BLAST METHOD - CLEARANCE DIAGRAM - SUPER ELEV
1099	TN-D3107	REFINED CCNM DESIGN OPTION - TWIN TUNNEL DRILL AND BLAST METHOD - INITIAL SUPPORT
1100	TN-D3108	REFINED CCNM DESIGN OPTION - TUNNEL TWIN TBM BORED TUNNELS - CLEARANCE DIAGRAM - TANGENT TRACK
1101	TN-D3109	REFINED CCNM DESIGN OPTION - TUNNEL TWIN TBM BORED TUNNELS - CLEARANCE DIAGRAM - SUPER ELEV TRACK
1102	TN-D3110	REFINED CCNM DESIGN OPTION - TUNNEL TWIN TBM BORED TUNNELS - INITIAL SUPPORT

UTILITIES GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1103	UT-B0005	COMPOSITE UTILITY PLANS - GENERAL - ABBREVIATIONS AND LEGEND
1104	UT-B0101	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY GENERAL - ABBREVIATIONS AND LEGEND
1105	UT-B0006	COMPOSITE UTILITY PLANS - GENERAL - GENERAL NOTES AND UTILITY OWNERS
1106	UT-B0102	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY GENERAL - GENERAL NOTES AND UTILITY OWNERS
1107	UT-B0007	COMPOSITE UTILITY PLANS - GENERAL - UTILITY CROSSING DETAIL
1108	UT-B0103	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY GENERAL - UTILITY CROSSING DETAIL
1109	UT-B0008	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 1 OF 7
1110	UT-B0009	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 2 OF 7
1111	UT-B0010	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 3 OF 7
1112	UT-B0011	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 4 OF 7
1113	UT-B0012	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 5 OF 7
1114	UT-B0013	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 6 OF 7
1115	UT-B0014	COMPOSITE UTILITY PLANS - ALTERNATIVE 1 - KEY MAP - SHEET 7 OF 7
1116	UT-B0015	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - KEY MAP - SHEET 1 OF 1
1117	UT-B0104	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY GENERAL - KEY MAP - SHEET 1 OF 1

UTILITIES PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1118	UT-C4301	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17285+00 TO 17310+00
1119	UT-C4302	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17310+00 TO 17335+00
1120	UT-C4303	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17335+00 TO 17360+00
1121	UT-C4304	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17360+00 TO 17385+00
1122	UT-C4305	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17385+00 TO 17410+00
1123	UT-C4306	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17410+00 TO 17435+00
1124	UT-C4307	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17435+00 TO 17460+00
1125	UT-C4308	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17460+00 TO 17485+00
1126	UT-C4309	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17485+00 TO 17510+00
1127	UT-C4310	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17510+00 TO 17535+00
1128	UT-C4311	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17535+00 TO 17560+00
1129	UT-C4312	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17560+00 TO 17585+00
1130	UT-C4313	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17585+00 TO 17610+00
1131	UT-C4314	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17610+00 TO 17635+00
1132	UT-C4315	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17635+00 TO 17660+00
1133	UT-C4316	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17660+00 TO 17685+00
1134	UT-C4317	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17685+00 TO 17710+00
1135	UT-C4318	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17710+00 TO 17735+00
1136	UT-C4319	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17735+00 TO 17760+00
1137	UT-C4320	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17760+00 TO 17785+00
1138	UT-C4321	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17785+00 TO 17810+00
1139	UT-C4322	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17810+00 TO 17835+00
1140	UT-C4323	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17835+00 TO 17860+00
1141	UT-C4324	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17860+00 TO 17885+00
1142	UT-C4325	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17885+00 TO 17908+22
1143	UT-C4331	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17360+00 TO 17385+00
1144	UT-C4332	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17385+00 TO 17410+00
1145	UT-C4333	COMPOSITE UTILITY PLANS - ALTERNATIVE 2 - STA 17385+00 TO 17410+00
1146	UT-C4026	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 17910+00 TO 17935+00
1147	UT-C4027	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 17935+00 TO 17960+00
1148	UT-C4028	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 17960+00 TO 17985+00
1149	UT-C4029	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 17985+00 TO 18010+00
1150	UT-C4030	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18010+00 TO 18035+00
1151	UT-C4031	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18035+00 TO 18060+00
1152	UT-C4032	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18060+00 TO 18085+00
1153	UT-C4033	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18085+00 TO 18110+00
1154	UT-C4034	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18110+00 TO 18135+00
1155	UT-C4035	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18135+00 TO 18160+00
1156	UT-C4036	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18160+00 TO 18185+00
1157	UT-C4037	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18185+00 TO 18210+00
1158	UT-C4038	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18210+00 TO 18235+00
1159	UT-C4039	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18235+00 TO 18260+00
1160	UT-C4040	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18260+00 TO 18285+00
1161	UT-C4041	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 18285+00 TO 18310+00
1162	UT-C4701	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18307+67 TO 18320+00 - PLAN
1163	UT-C4702	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18320+00 TO 18345+00 - PLAN
1164	UT-C4703	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18345+00 TO 18370+00 - PLAN
1165	UT-C4704	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18370+00 TO 18395+00 - PLAN
1166	UT-C4705	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18395+00 TO 18420+00 - PLAN
1167	UT-C4706	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18420+00 TO 18445+00 - PLAN
1168	UT-C4707	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18445+00 TO 18470+00 - PLAN
1169	UT-C4708	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18470+00 TO 18495+00 - PLAN
1170	UT-C4709	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18495+00 TO 18520+00 - PLAN
1171	UT-C4710	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18520+00 TO 18545+00 - PLAN
1172	UT-C4711	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18545+00 TO 18570+00 - PLAN
1173	UT-C4712	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18570+00 TO 18595+00 - PLAN
1174	UT-C4713	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18595+00 TO 18620+00 - PLAN
1175	UT-C4714	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18620+00 TO 18645+00 - PLAN
1176	UT-C4715	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18645+00 TO 18670+00 - PLAN
1177	UT-C4716	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18670+00 TO 18695+00 - PLAN
1178	UT-C4717	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18695+00 TO 18720+00 - PLAN

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1/27/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON

DRAWN BY
J. MEREDITH

CHECKED BY
S. LANDOLT

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 11 OF 13

CONTRACT NO.
HSR13-44

DRAWING NO.
GE-B0012

SCALE
AS SHOWN

SHEET NO.
12

UTILITIES PLANS

UTILITIES PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1179	UT-C4718	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18720+00 TO 18745+00 - PLAN
1180	UT-C4719	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18745+00 TO 18770+00 - PLAN
1181	UT-C4720	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18770+00 TO 18795+00 - PLAN
1182	UT-C4721	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18795+00 TO 18820+00 - PLAN
1183	UT-C4722	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18820+00 TO 18845+00 - PLAN
1184	UT-C4723	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18845+00 TO 18870+00 - PLAN
1185	UT-C4724	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18870+00 TO 18895+00 - PLAN
1186	UT-C4725	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18895+00 TO 18920+00 - PLAN
1187	UT-C4726	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18920+00 TO 18945+00 - PLAN
1188	UT-C4727	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18945+00 TO 18970+00 - PLAN
1189	UT-C4728	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18970+00 TO 18995+00 - PLAN
1190	UT-C4729	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 18995+00 TO 19020+00 - PLAN
1191	UT-C4730	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 19020+00 TO 19045+00 - PLAN
1192	UT-C4731	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 19045+00 TO 19070+00 - PLAN
1193	UT-C4732	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 19070+00 TO 19095+00 - PLAN
1194	UT-C4733	REFINED CCNM DESIGN OPTION - COMPOSITE UTILITY PLAN - STA 19095+00 TO 19104+40 - PLAN
1195	UT-C4073	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19085+00 TO 19110+00
1196	UT-C4074	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19110+00 TO 19135+00
1197	UT-C4075	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19135+00 TO 19160+00
1198	UT-C4076	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19160+00 TO 19185+00
1199	UT-C4077	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19185+00 TO 19210+00
1200	UT-C4078	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19210+00 TO 19235+00
1201	UT-C4079	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19235+00 TO 19260+00
1202	UT-C4080	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 19260+00 TO 19285+00
1203	UT-C4081	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19285+00 TO 19310+00
1204	UT-C4082	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19310+00 TO 19335+00
1205	UT-C4083	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19335+00 TO 19360+00
1206	UT-C4084	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19360+00 TO 19385+00
1207	UT-C4085	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19385+00 TO 19410+00
1208	UT-C4086	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19410+00 TO 19435+00
1209	UT-C4087	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19435+00 TO 19460+00
1210	UT-C4088	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19460+00 TO 19485+00
1211	UT-C4089	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19485+00 TO 19510+00
1212	UT-C4090	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19510+00 TO 19535+00
1213	UT-C4091	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19535+00 TO 19560+00
1214	UT-C4092	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19560+00 TO 19585+00
1215	UT-C4093	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19585+00 TO 19610+00
1216	UT-C4094	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19610+00 TO 19635+00
1217	UT-C4095	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19635+00 TO 19660+00
1218	UT-C4096	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19660+00 TO 19685+00
1219	UT-C4097	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19685+00 TO 19710+00
1220	UT-C4098	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19710+00 TO 19735+00
1221	UT-C4099	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19735+00 TO 19760+00
1222	UT-C4100	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19760+00 TO 19785+00
1223	UT-C4101	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19785+00 TO 19810+00
1224	UT-C4102	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19810+00 TO 19835+00
1225	UT-C4103	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19835+00 TO 19860+00
1226	UT-C4104	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19860+00 TO 19885+00
1227	UT-C4105	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19885+00 TO 19910+00
1228	UT-C4106	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19910+00 TO 19935+00
1229	UT-C4107	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19935+00 TO 19960+00
1230	UT-C4108	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19960+00 TO 19985+00
1231	UT-C4109	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19985+00 TO 20010+00
1232	UT-C4110	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 20010+00 TO 20035+00
1233	UT-C4111	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20035+00 TO 20060+00
1234	UT-C4112	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20060+00 TO 20085+00
1235	UT-C4113	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20085+00 TO 20110+00
1236	UT-C4114	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20110+00 TO 20135+00
1237	UT-C4115	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20135+00 TO 20160+00
1238	UT-C4116	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20160+00 TO 20185+00
1239	UT-C4117	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20185+00 TO 20210+00

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1240	UT-C4118	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20210+00 TO 20235+00
1241	UT-C4119	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20235+00 TO 20260+00
1242	UT-C4120	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20260+00 TO 20285+00
1243	UT-C4121	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20285+00 TO 20310+00
1244	UT-C4122	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20310+00 TO 20335+00
1245	UT-C4123	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20335+00 TO 20360+00
1246	UT-C4124	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20360+00 TO 20385+00
1247	UT-C4125	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20385+00 TO 20410+00
1248	UT-C4126	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20410+00 TO 20435+00
1249	UT-C4127	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20435+00 TO 20460+00
1250	UT-C4128	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20460+00 TO 20485+00
1251	UT-C4129	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20485+00 TO 20510+00
1252	UT-C4130	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20510+00 TO 20535+00
1253	UT-C4131	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20535+00 TO 20560+00
1254	UT-C4132	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20560+00 TO 20585+00
1255	UT-C4133	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20585+00 TO 20610+00
1256	UT-C4134	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20610+00 TO 20635+00
1257	UT-C4135	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20635+00 TO 20660+00
1258	UT-C4136	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20660+00 TO 20685+00
1259	UT-C4137	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20685+00 TO 20710+00
1260	UT-C4138	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20710+00 TO 20735+00
1261	UT-C4139	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20735+00 TO 20760+00
1262	UT-C4140	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20760+00 TO 20785+00
1263	UT-C4141	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20785+00 TO 20810+00
1264	UT-C4142	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20810+00 TO 20835+00
1265	UT-C4143	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20835+00 TO 20860+00
1266	UT-C4144	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20860+00 TO 20885+00
1267	UT-C4145	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20885+00 TO 20910+00
1268	UT-C4146	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20910+00 TO 20935+00
1269	UT-C4147	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20935+00 TO 20960+00
1270	UT-C4148	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20960+00 TO 20985+00
1271	UT-C4149	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20985+00 TO 21010+00
1272	UT-C4150	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1273	UT-C4151	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21035+00 TO 21060+00
1274	UT-C4152	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1275	UT-C4153	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21085+00 TO 21110+00
1276	UT-C4154	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1277	UT-C4155	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21135+00 TO 21160+00
1278	UT-C4156	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21160+00 TO 21185+00
1279	UT-C4157	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21185+00 TO 21210+00
1280	UT-C4158	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21210+00 TO 21235+00
1281	UT-C4159	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 19460+00 TO 19485+00
1282	UT-C4201	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20785+00 TO 20810+00
1283	UT-C4202	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20785+00 TO 20810+00
1284	UT-C4203	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20835+00 TO 20885+00
1285	UT-C4204	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20835+00 TO 20885+00
1286	UT-C4205	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20835+00 TO 20885+00
1287	UT-C4206	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20910+00 TO 20935+00
1288	UT-C4207	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20910+00 TO 20935+00
1289	UT-C4208	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20910+00 TO 20935+00
1290	UT-C4209	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20910+00 TO 20935+00
1291	UT-C4210	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20935+00 TO 20960+00
1292	UT-C4211	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20935+00 TO 20960+00
1293	UT-C4212	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20935+00 TO 20960+00
1294	UT-C4213	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20960+00 TO 20985+00
1295	UT-C4214	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20960+00 TO 20985+00
1296	UT-C4215	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20960+00 TO 20985+00
1297	UT-C4216	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 20960+00 TO 20985+00
1298	UT-C4217	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1299	UT-C4218	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1300	UT-C4219	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 PREFERRED ALTERNATIVE
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 INDEX OF DRAWINGS
 SHEET 12 OF 13

CONTRACT NO.
HSR13-44
 DRAWING NO.
GE-B0013
 SCALE
AS SHOWN
 SHEET NO.
13

UTILITIES PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1301	UT-C4220	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1302	UT-C4221	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1303	UT-C4222	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21010+00 TO 21035+00
1304	UT-C4223	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21035+00 TO 21060+00
1305	UT-C4224	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1306	UT-C4225	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1307	UT-C4226	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1308	UT-C4227	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1309	UT-C4228	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21060+00 TO 21085+00
1310	UT-C4229	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21085+00 TO 21110+00
1311	UT-C4230	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1312	UT-C4231	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1313	UT-C4232	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1314	UT-C4233	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1315	UT-C4234	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1316	UT-C4235	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1317	UT-C4236	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1318	UT-C4237	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21110+00 TO 21135+00
1319	UT-C4238	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21135+00 TO 21160+00
1320	UT-C4239	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21135+00 TO 21160+00
1321	UT-C4240	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21160+00 TO 21185+00
1322	UT-C4241	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21160+00 TO 21185+00
1323	UT-C4242	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21185+00 TO 21210+00
1324	UT-C4243	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21185+00 TO 21210+00
1325	UT-C4244	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - STA 21210+00 TO 21235+00
1326	UT-C4251	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17360+00 TO 17385+00
1327	UT-C4252	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17385+00 TO 17410+00
1328	UT-C4253	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17385+00 TO 17410+00
1329	UT-C4254	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17510+00 TO 17535+00
1330	UT-C4255	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17560+00 TO 17585+00
1331	UT-C4256	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17585+00 TO 17610+00
1332	UT-C4257	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17610+00 TO 17635+00
1333	UT-C4258	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17660+00 TO 17685+00
1334	UT-C4259	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,3,5 - STA 17710+00 TO 17735+00
1335	UT-C4261	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19385+00 TO 19410+00
1336	UT-C4262	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19385+00 TO 19410+00
1337	UT-C4263	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19385+00 TO 19410+00
1338	UT-C4264	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19410+00 TO 19435+00
1339	UT-C4265	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19410+00 TO 19435+00
1340	UT-C4266	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19410+00 TO 19435+00
1341	UT-C4267	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19435+00 TO 19460+00
1342	UT-C4268	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19435+00 TO 19460+00
1343	UT-C4269	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19810+00 TO 19835+00
1344	UT-C4270	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19835+00 TO 19860+00
1345	UT-C4271	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19860+00 TO 19885+00
1346	UT-C4272	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19885+00 TO 19910+00
1347	UT-C4273	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,5 - STA 19985+00 TO 20010+00
1348	UT-C4274	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20010+00 TO 20035+00
1349	UT-C4275	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3,5 - STA 20035+00 TO 20060+00

SEWER RELOCATION PROFILES

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1350	UT-D1001	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1351	UT-D1002	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1352	UT-D1003	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1353	UT-D1004	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1354	UT-D1005	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1355	UT-D1006	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1356	UT-D1007	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1357	UT-D1008	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1358	UT-D1009	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES
1359	UT-D1010	COMPOSITE UTILITY PLANS - ALTERNATIVE 1,2,3 - SEWER RELOCATION PROFILES

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REV	DATE	BY	CHK	APP	DESCRIPTION

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01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
PREFERRED ALTERNATIVE
GENERAL
INDEX OF DRAWINGS
SHEET 13 OF 13

CONTRACT NO.
HSR13-44
DRAWING NO.
GE-B0014
SCALE
AS SHOWN
SHEET NO.
14

A

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

B

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

C

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

D

D DEPTH
 D&B DRILL AND BLAST
 DD DOWNDRAIN, DIRECTIVE DRILLING
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR
 DET DETAIL, DETOUR
 DF DOUGLAS FIR
 DI DRAINAGE INLET, DROP INLET
 DIA DIAMETER
 DIAPH DIAPHRAGM
 DIST DISTANCE, DISTRICT
 DMBB DOUBLE METAL BEAM BARRIER
 DR DRIVE
 DS DESIGN SPEED
 DTBB DOUBLE THRIE BEAM BARRIER
 DWG DRAWING
 DWP DEPARTMENT OF WATER AND POWER
 DWY DRIVEWAY

E

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

F

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

G

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

H

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

REV	DATE	BY	CHK	APP	DESCRIPTION

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 ABBREVIATIONS
 SHEET 1 OF 3

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0004
 SCALE
AS SHOWN
 SHEET NO.
15

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I

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

J

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

K

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

L LENGTH
LAT LATITUDE
LCB LEAN CONCRETE BASE
LGA LOCALLY GENERATED ALTERNATIVE
LID LOW IMPACT DEVELOPMENT BEST MANAGEMENT PRACTICES
LMF LIGHT MAINTENANCE FACILITY
LN LANE
LOC LOCATION
LOL LAYOUT LINE
LONG LONGITUDE
LONGIT LONGITUDINAL
LS LENGTH OF SPIRAL
LC LENGTH OF CURVE
LT LEFT
LV LOW VOLTAGE

M

MAINT MAINTENANCE
MAX MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MED MEDIAN
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
MISC I & S MISCELLANEOUS IRON AND STEEL
MKR MARKER
M/L MAIN LINE (RAILWAY)
MOD MODIFIED, MODIFY
MON MONUMENT
MOWF MAINTENANCE OF WAY FACILITY
MOWS MAINTENANCE OF WAY SIDING
MP METAL PLATE

M CONTINUED

MPGR METAL PLATE GUARD RAILING
MPH MILES PER HOUR
MR MOVEMENT RATING
MSE MECHANICALLY STABILIZED EARTH
MTL MATERIAL
MSS MOVING SCAFFOLDING SYSTEM

N

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

O

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

P

P PAGE
PAP PERFORATED ALUMINUM PIPE
PB PULL BOX, PALMDALE TO BURBANK
PC POINT OF CURVATURE, PRECAST
PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC POINT OF COMPOUND VERTICAL CURVE
PED PEDESTRIAN
PED OC PEDESTRIAN OVERCROSSING
PED UC PEDESTRIAN UNDERCROSSING
PERM MTL PERMEABLE MATERIAL
PG PROFILE GRADE
PG&E PACIFIC GAS AND ELECTRIC
PI POINT OF INTERSECTION
PJP PARTIAL JOINT PENETRATION
PL PLATE
P/L PROPERTY LINE
PM POST MILE, TIME FROM NOON TO MIDNIGHT
PN PAVING NOTCH

P CONTINUED

POB POINT OF BEGINNING
POC POINT OF HORIZONTAL CURVE
POE POINT OF ENDING
POT POINT OF TANGENT
POVC POINT OF VERTICAL CURVE
PP PIPE PILE, PLASTIC PIPE, POWER POLE
PPEF PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
PPL PREFORMED PERMEABLE LINER
PPP PERFORATED PLASTIC PIPE
PRC POINT OF REVERSE CURVE
PRF PAVEMENT REINFORCING FABRIC
PROP PROPOSED
PRVC POINT OF REVERSE VERTICAL CURVE
PS&E PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S PRESTRESSED, PARALLELING STATION
PSP PERFORATED STEEL PIPE
PT POINT OF TANGENCY
PTEF PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
PTSW POINT OF TRACK SWITCH
PVC POLYVINYL CHLORIDE
PVI POINT OF VERTICAL INTERSECTION
PVMT PAVEMENT
PVP MAINTENANCE VEHICLE PULLOUT

Q

QTY QUANTITY

R

R RADIUS
R & D REMOVE AND DISPOSE
R & S REMOVE AND SALVAGE
R/C RATE OF CHANGE
RCA REINFORCED CONCRETE ARCH
RCB REINFORCED CONCRETE BOX
RCP REINFORCED CONCRETE PIPE
RCPA REINFORCED CONCRETE PIPE ARCH
RD ROAD
REINF REINFORCED, REINFORCEMENT, REINFORCING
REL RELOCATE
REPL REPLACEMENT
RET RETAINING
REV REVISED
RDWY ROADWAY
RM ROAD-MIXED
RP RADIUS POINT, REFERENCE POINT
RR RAILROAD
RSP ROCK SLOPE PROTECTION
RT RIGHT
RTE ROUTE
RW REDWOOD, RETAINING WALL

R CONTINUED

R/W RIGHT OF WAY
RWY RAILWAY

S

S SOUTH, SUPPLEMENT, SLOPE, STATION LINE, SEWER
SAE STRUCTURE APPROACH EMBANKMENT
SALV SALVAGE
SAPP STRUCTURAL ALUMINUM PLATE PIPE
SB SOUTHBOUND
SC SPIRAL TO CURVE
SCE SOUTHERN CALIFORNIA EDISON
SCSP SLOTTED CORRUGATED STEEL PIPE
SD STORM DRAIN
SEC SECOND
SECT SECTION
SEP SEPARATION
SG SUBGRADE
SHLD SHOULDER
SHT SHEET
SIM SIMILAR
SM SELECTED MATERIAL
SPEC SPECIAL, SPECIFICATIONS
SPP SLOTTED PLASTIC PIPE
SS SLOPE STAKE, SPIRAL TO SPIRAL, SUPPLY STATION
SSBM STRAP AND SADDLE BRACKET METHOD
SSD STRUCTURAL SECTION DRAIN
SSPA STRUCTURAL STEEL PLATE ARCH
SSPP STRUCTURAL STEEL PLATE PIPE
SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
SSRP STEEL SPIRAL RIB PIPE
SR STATE ROUTE
ST STREET, SPIRAL TO TANGENT
STA STATION
STBB SINGLE THRIE BEAM BARRIER
STD STANDARD
STR STRUCTURE
SRS STAND ALONE RADIO SITE
SURF SURFACING
SW SIDEWALK, SOUND WALL
SWR SEWER
SWS SWITCHING STATION
SYM SYMMETRICAL
S4S SURFACE 4 SIDES
SJVR SAN JOAQUIN VALLEY RAILROAD

Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION

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DRAWN BY A. CARSON
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
GENERAL ABBREVIATIONS
SHEET 2 OF 3

CONTRACT NO. HSR13-44
DRAWING NO. TT-B0005
SCALE AS SHOWN
SHEET NO. 16

T

T SEMI-TANGENT
 TAB TABLET
 TAN TANGENT
 TBB THRIE BEAM BARRIER
 TBR TIMBER
 TC TOP OF CURB, TANGENT TO CURVE
 TCB TRAFFIC CONTROL BOX
 TEL TELEPHONE
 TEMP TEMPORARY
 TF TOP OF FOOTING
 TG TOP OF GRADE
 TM TECHNICAL MEMORANDUM
 TOR TOP OF RAIL
 TOT TOTAL
 TP TRACTION POWER, TUNNEL PORTAL
 TPB TREATED PERMEABLE BASE
 TPF TRACTION POWER FACILITY
 TPM TREATED PERMEABLE MATERIAL
 TPS TRACTION POWER SUPPLY SYSTEM
 TPSS TRACTION POWER SUBSTATION
 TRANS TRANSITION, TRANSVERSE
 TS TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL
 TW TOP OF WALL
 TYP TYPICAL

U

UC UNDERCROSSING
 UD UNDERDRAIN
 UON UNLESS OTHERWISE NOTED
 UP UNDERPASS
 UPRR UNION PACIFIC RAILROAD
 USFWS UNITED STATES FISH AND WILDLIFE SERVICE

V

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

W

W WEST, WIDTH, WATER
 WB WESTBOUND
 WH WEEP HOLE
 WM WIRE MESH
 WS WATER SURFACE
 WSP WELDED STEEL PIPE
 WT WEIGHT
 WV WATER VALVE
 WW WINGWALL
 WWL WINGWALL LAYOUT LINE
 W/ WITH

X

X SEC CROSS SECTION
 XING CROSSING

Y

YR YEAR
 YRS YEARS

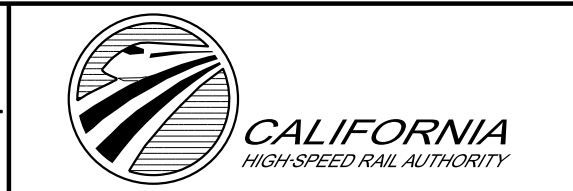
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REV	DATE	BY	CHK	APP	DESCRIPTION

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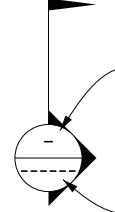
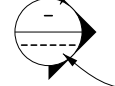





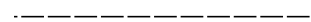

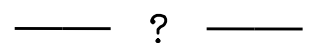




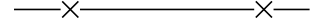











**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 ABBREVIATIONS
 SHEET 3 OF 3






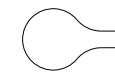
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DRAWING NO. TT-B0006
SCALE AS SHOWN
SHEET NO. 17

LEGEND:


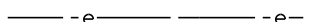


PLAN

-  SECTION NUMBER
-  DRAWING NUMBER
-  CURVE DATA (ALIGNMENTS,ROADWAYS)
-  CURVE DATA (STRUCTURES)
-  LINE DATA (ALIGNMENTS,ROADWAYS)
-  NORTH ARROW
-  EXIST RIGHT OF WAY
-  LIMITS OF EXCAVATION (CUT)
-  LIMITS OF EMBANKMENT (FILL)
-  FAULT ZONE
-  EXIST CALTRANS RIGHT OF WAY
-  EXIST RETAINING WALL
-  PPEF
-  PROPOSED COLUMN/FOOTING
-  PROPOSED FENCE
-  PROPOSED RETAINING WALL
-  PROPOSED CONCRETE BARRIER
-  PROPOSED RIGHT OF WAY
-  PROPOSED TUNNEL
-  PTEF
-  STANDALONE RADIO SITE
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE A
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE B
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE D

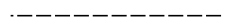

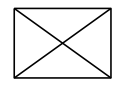
PLAN

-  AUTOMATIC TRAIN CONTROL SYSTEM SITE E
-  TRACK CROSSING PANEL
-  SUPPLY STATION
-  SWITCHING STATION
-  PARALLELING STATION
-  CUL-DE-SAC

UTILITIES

-  EXISTING AQUEDUCT
-  EXISTING ELECTRICAL TRANSMISSION
-  EXISTING GAS LINE
-  PROPOSED TRACTION POWER SUPPLY LINE

PROFILE

-  ORIGINAL GROUND
-  PROPOSED CHSR ELEVATION
-  STRUCTURAL CLEARANCE ENVELOPE

GENERAL NOTES

1. ROADWAY IMPROVEMENTS SHOWN ON ROADWAY PLANS.
2. TRACK ALIGNMENT CONTROL LINE IS THE CENTERLINE OF THE SB TRACK.
3. TRACK PROFILE SHOWN IS THE TOP OF THE LOW (NON-SUPERELEVATED) RAIL OF THE SB TRACK.
4. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
5. ROW LIMITS SHOWN ARE LIMITS OF PROPERTY TO BE OWNED BY CHSR AUTHORITY.
6. PPEF SHOWN IS LIMIT OF PERMANENT GROUND DISTURBANCE ASSOCIATED WITH THE PROJECT.
7. PTEF SHOWN IS LIMIT OF TEMPORARY GROUND DISTURBANCE ASSOCIATED WITH THE PROJECT.
8. ALL UTILITIES ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
9. FOR ROAD DISPOSITION SEE SHEETS CV-R1551 TO CV-R1554
10. FOR DETAILED STRUCTURE DEPTH INFORMATION SEE STRUCTURAL PLAN SET.

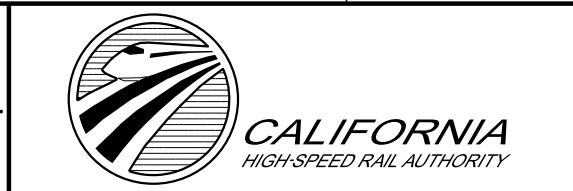
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

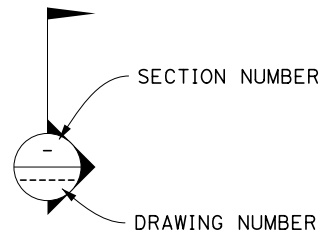



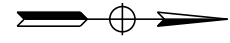

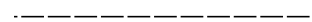






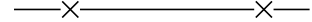











**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GENERAL
SYMBOLS, LEGEND, AND GENERAL NOTES
SHEET 1 OF 1






CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0007
SCALE
AS SHOWN
SHEET NO.
18

LEGEND:



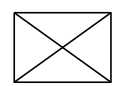
PLAN

-  SECTION NUMBER
DRAWING NUMBER
-  CURVE DATA (ALIGNMENTS, ROADWAYS)
-  CURVE DATA (STRUCTURES)
-  LINE DATA (ALIGNMENTS, ROADWAYS)
-  NORTH ARROW
-  EXIST RIGHT OF WAY
-  LIMITS OF EXCAVATION (CUT)
-  LIMITS OF EMBANKMENT (FILL)
-  FAULT ZONE
-  EXIST CALTRANS RIGHT OF WAY
-  EXIST RETAINING WALL
-  PPEF
-  PROPOSED COLUMN/FOOTING
-  PROPOSED FENCE
-  PROPOSED RETAINING WALL
-  PROPOSED CONCRETE BARRIER
-  PROPOSED RIGHT OF WAY
-  PROPOSED TUNNEL
-  PTEF
-  SRS
STANDALONE RADIO SITE
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE A
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE B
-  AUTOMATIC TRAIN CONTROL SYSTEM SITE D

PLAN

-  AUTOMATIC TRAIN CONTROL SYSTEM SITE E
-  TRACK CROSSING PANEL
-  SUBSTATION
-  SWITCHING STATION
-  PARALLELING STATION

PROFILE

-  ORIGINAL GROUND
-  PROPOSED CHSR ELEVATION
-  STRUCTURAL CLEARANCE ENVELOPE

GENERAL NOTES

1. ROADWAY IMPROVEMENTS SHOWN ON ROADWAY PLANS.
2. TRACK ALIGNMENT CONTROL LINE IS THE CENTERLINE OF THE SB TRACK.
3. TRACK PROFILE SHOWN IS THE TOP OF THE LOW (NON-SUPERELEVATED) RAIL OF THE SB TRACK.
4. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
5. ROW LIMITS SHOWN ARE LIMITS OF PROPERTY TO BE OWNED BY CHSR AUTHORITY.
6. PPEF SHOWN IS LIMIT OF PERMANENT GROUND DISTURBANCE ASSOCIATED WITH THE PROJECT.
7. PTEF SHOWN IS LIMIT OF TEMPORARY GROUND DISTURBANCE ASSOCIATED WITH THE PROJECT.
8. ALL UTILITIES ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
9. FOR DETAILED STRUCTURE DEPTH INFORMATION SEE STRUCTURAL PLAN SET.

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B0201

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1/20/2021

ics_user_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON

DRAWN BY
A. CARSON

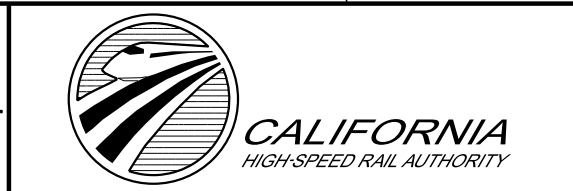
CHECKED BY
S. LANDOLT

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
TRACK GENERAL
SYMBOLS, LEGEND, AND GENERAL NOTES

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B0201

SCALE
NO SCALE

SHEET NO.
19

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\TT\BP-TT-B0008
1/20/2021 5:46:46 AM jcs_user_17609

ALTERNATIVE 1 SB													
TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Es (IN)	Eu (IN)	V (MPH)
1	POT			17285+00.00	2321196.33	6278394.83							250
	TS	S73°07'38"E	9592.01	17380+92.01	2318412.27	6287573.92			Cosine				250
	SC			17403+92.01	2317721.97	6289767.75				2300			250
	CS			17429+34.55	2316807.86	6292139.60	33000	2542.54	Cosine		5.00	2.58	250
	ST	S64°43'10"E	1680.43	17452+34.55	2315847.30	6294229.27				2300			250
2	TS			17469+14.97	2315129.67	6295748.76			Cosine				250
	SC			17495+14.97	2314049.81	6298113.66				2600			250
	CS			17530+93.26	2312863.08	6301487.17	-30000	3578.28	Cosine		5.50	2.83	250
	ST	S76°31'09"E	1158.03	17556+93.26	2312224.50	6304007.30				2600			250
	TS			17568+51.29	2311954.53	6305133.42			Cosine				250
3	SC			17580+51.29	2311670.71	6306299.37				1200			250
	CS			17598+89.51	2311189.16	6308073.29	51000	1838.22	Cosine		2.50	2.40	250
	ST	S73°06'21"E	16529.28	17610+89.51	2310844.46	6309222.70				1200			250
	TS			17776+18.79	2306040.96	6325038.63			Cosine				250
	SC			17788+18.79	2305688.83	6326185.79				1200			250
4	CS			17888+64.95	2301887.06	6335472.15	60000	10046.16	Cosine		2.50	1.67	250
	ST	S62°21'59"E	30041.12	17900+64.95	2301333.65	6336536.92				1200			250
	TS			18201+06.07	2287400.16	6363151.33			Cosine				250
	SC			18227+06.07	2286224.13	6365469.90				2600			250
	CS			18266+96.02	2284773.22	6369183.53	-30000	3989.95	Cosine		5.50	2.83	250
5	ST	S74°57'09"E	1471.13	18292+96.02	2284065.97	6371685.25				2600			250
	TS			18307+67.15	2283684.03	6373105.94			Cosine				250
	SC			18333+67.15	2282976.78	6375607.67				2600			250
	CS			18379+08.05	2281287.14	6379817.84	30000	4540.90	Cosine		5.50	2.83	250
	ST	S61°18'51"E	5372.32	18405+08.05	2280068.73	6382114.42				2600			250
6	TS			18458+80.38	2277489.99	6386827.38			Cosine				250
	SC			18479+80.38	2276465.62	6388660.50				2100			250
	CS			18578+81.19	2270321.60	6396382.23	35000	9900.82	Cosine		4.50	2.64	250
	ST	S41°40'07"E	10750.70	18599+81.19	2268765.48	6397792.24				2100			250
	TS			18707+31.90	2260734.69	6404939.54			Cosine				250
7	SC			18733+31.90	2258815.08	6406692.81				2600			250
	CS			18795+80.08	2254815.94	6411478.79	-30000	6248.18	Cosine		5.50	2.83	250
	ST	S58°34'03"E	5791.23	18821+80.08	2253431.70	6413679.41				2600			250
	TS			18879+71.30	2250411.61	6418620.80			Cosine				250
	SC			18894+21.30	2249649.53	6419854.37				1450			250
8	CS			18923+30.82	2248014.09	6422260.13	45000	2909.51	Cosine		3.00	2.56	250
	ST	S53°01'00"E	1545.88	18937+80.82	2247147.37	6423422.55				1450			250
	TS			18953+26.70	2246217.40	6424657.42			Cosine				250
	SC			18978+26.70	2244689.72	6426636.12				2500			250
	CS			19045+21.48	2239925.54	6431321.08	31000	6694.78	Cosine		5.50	2.56	250
9	ST	S36°01'21"E	22580.53	19070+21.48	2237921.50	6432815.36				2500			250
	TS			19296+02.01	2219658.67	6446095.02			Cosine				250
	SC			19308+02.01	2218685.67	6446797.34				1200			250
	CS			19355+78.73	2214665.92	6449374.54	51000	4776.72	Cosine		2.50	2.40	250
	ST	S29°18'29"E	15391.46	19367+78.73	2213621.58	6449965.59				1200			250
10	TS			19521+70.19	2200200.21	6457499.77			Cosine				250
	SC			19547+70.19	2197917.00	6458743.05				2600			250
	CS			19636+67.39	2189502.09	6461530.73	30000	8897.21	Cosine		5.50	2.83	250
	ST	S7°21'00"E	6250.37	19662+67.39	2186928.18	6461896.50				2600			250
	TS			19725+17.77	2180729.17	6462696.11			Cosine				250
11	SC			19739+67.77	2179292.00	6462888.49				1450			250
	CS			20021+37.19	2154428.74	6475126.08	-45000	28169.43	Cosine		3.00	2.56	250
	ST	S45°03'45"E	4360.50	20035+87.19	2153399.66	6476147.57				1450			250
	TS			20079+47.69	2150319.69	6479234.27			Cosine				250
	SC			20093+97.69	2149290.62	6480255.76				1450			250
12	CS			20180+47.67	2142543.95	6485647.85	45000	8649.98	Cosine		3.00	2.56	250
	ST	S32°12'10"E	53353.08	20194+97.67	2141320.74	6486426.45				1450			250
	TS			20728+50.75	2096175.14	6514859.26			Cosine				250
	SC			20754+50.75	2093957.63	6516216.27				2600			250
	CS			20859+03.67	2084168.55	6519728.63	30000	10452.92	Cosine		5.50	2.83	250
13	ST	S7°16'25"E	9943.17	20885+03.67	2081594.16	6520090.98				2600			250
	TS			20984+46.84	2071731.00	6521349.86			Cosine				250
	SC			20996+46.84	2070540.30	6521498.92				1200			250
	CS			21011+52.15	2069043.90	6521662.18	74000	1505.31	Cosine		2.00	1.38	250
	ST	S5°10'44"E	2603.68	21023+52.15	2067849.06	6521773.38				1200			250
14	TS			21049+55.82	2065256.01	6522008.40			Cosine				250
	SC			21061+55.82	2064061.23	6522120.16				1200			250
	CS			21073+80.03	2062844.44	6522254.48	-62000	1224.20	Cosine		2.50	1.53	250
	ST	S7°25'09"E	14770.56	21085+80.03	2061654.05	6522406.00				1200			250
	POT			21233+50.58	2047007.16	6524313.30			Cosine				250

NOTES:

1. RADII ARE POSITIVE IN VALUE BY THE CONVENTION OF LOOKING UP STATION AND TURNING RIGHT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1
GENERAL
HORIZONTAL ALIGNMENT DATA TABLE
SHEET 1 OF 8

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0008
SCALE
AS SHOWN
SHEET NO.
20

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\TT\BP-TT-B0009

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1/20/2021

jcs_user_17609

ALTERNATIVE 1 NB													
TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Eg (IN)	Eu (IN)	V (MPH)
1N	POT			17285+00.00	2321212.12	6278399.62							250
	TS	S73°07'38"E	9592.01	17380+92.01	2318428.06	6287578.71			Cosine				250
	SC			17403+92.01	2317737.77	6289772.54				2300			250
	CS			17429+36.97	2316822.79	6292146.65	33016.50	2544.96	Cosine		5.00	2.58	250
	ST			17452+36.97	2315862.21	6294236.32				2300			250
2N	TS	S64°43'10"E	1680.43	17469+17.40	2315144.59	6295755.81			Cosine				250
	SC			17495+17.40	2314064.75	6298120.71				2600			250
	CS			17530+92.28	2312879.15	6301491.03	-29983.50	3574.88	Cosine		5.50	2.83	250
	ST			17556+92.28	2312240.54	6304011.15				2600			250
	TS	S76°31'09"E	1158.03	17568+50.31	2311970.58	6305137.27			Cosine				250
3N	SC			17580+50.31	2311686.76	6306303.22				1200			250
	CS			17598+89.51	2311204.95	6308078.08	51016.50	1839.20	Cosine		2.50	2.40	250
	ST			17610+89.51	2310860.24	6309227.50				1200			250
	TS	S73°06'21"E	16575.41	17776+64.93	2306043.35	6325087.57			Cosine				250
	SC			17788+64.93	2305691.21	6326234.73				1200			250
4N	CS			17889+15.82	2301887.65	6335525.46	60025.25	10050.90	Cosine		2.50	1.66	250
	ST			17901+15.82	2301334.24	6336590.23				1200			250
	TS	S62°21'59"E	29994.17	18201+09.99	2287422.53	6363163.04			Cosine				250
	SC			18227+09.99	2286246.53	6365481.62				2600			250
	CS			18266+94.39	2284797.63	6369190.10	-29974.75	3984.40	Cosine		5.50	2.83	250
5N	ST			18292+94.39	2284090.35	6371691.81				2600			250
	TS	S74°57'09"E	1471.13	18307+65.52	2283708.41	6373112.50			Cosine				250
	SC			18333+65.52	2283001.19	6375614.23				2600			250
	CS			18379+12.43	2281309.32	6379829.98	30025.25	4546.91	Cosine		5.50	2.83	250
	ST			18405+12.43	2280090.88	6382126.54				2600			250
7N	TS	S61°18'51"E	5372.33	18458+84.76	2277512.14	6386839.50			Cosine				250
	SC			18479+84.76	2276487.79	6388672.62				2100			250
	CS			18578+94.23	2270338.40	6396401.10	35025.25	9909.47	Cosine		4.50	2.64	250
	ST			18599+94.23	2268782.27	6397811.10				2100			250
	TS	S41°40'07"E	10750.70	18707+44.93	2260751.47	6404958.40			Cosine				250
8N	SC			18733+44.93	2258831.89	6406711.69				2600			250
	CS			18795+85.67	2254837.50	6411491.98	-29974.75	6240.73	Cosine		5.50	2.83	250
	ST			18821+85.67	2253453.24	6413692.58				2600			250
	TS	S58°34'03"E	6235.54	18884+21.21	2250201.44	6419013.09			Cosine				250
	SC			18898+21.21	2249465.85	6420204.24				1400			250
9N	CS			18927+87.12	2247798.72	6422656.61	45066.00	2965.91	Cosine		3.00	2.56	250
	ST			18941+87.12	2246961.69	6423778.82				1400			250
	TS	S53°01'00"E	1149.59	18953+36.71	2246270.12	6424697.12			Cosine				250
	SC			18978+36.71	2244742.49	6426675.87				2500			250
	CS			19045+51.07	2239964.40	6431374.51	31066.00	6714.36	Cosine		5.50	2.56	250
10N	ST			19070+51.07	2237960.32	6432868.74				2500			250
	TS	S36°01'21"E	22580.53	19296+31.61	2219697.49	6446148.40			Cosine				250
	SC			19308+31.61	2218724.49	6446850.73				1200			250
	CS			19356+16.06	2214698.23	6449432.09	51066.00	4784.45	Cosine		2.50	2.40	250
	ST			19368+16.06	2213653.89	6450023.15				1200			250
12N	TS	S29°18'29"E	15391.46	19522+07.52	2200232.52	6457557.32			Cosine				250
	SC			19548+07.52	2197949.34	6458800.67				2600			250
	CS			19637+30.02	2189510.55	6461596.26	30066.00	8922.50	Cosine		5.50	2.83	250
	ST			19663+30.02	2186936.63	6461961.96				2600			250
	TS	S7°21'00"E	6327.28	19726+61.31	2180657.35	6462771.92			Cosine				250
13N	SC			19741+11.13	2179220.19	6462964.31				1450			250
	CS			20022+37.30	2154395.21	6475183.06	-44934.00	28125.98	Cosine		3.00	2.56	250
	ST			20036+87.30	2153366.13	6476204.54				1450			250
	TS	S45°03'45"E	3724.67	20079+83.78	2150331.37	6479245.92			Cosine				250
	SC			20094+33.78	2149302.30	6480267.42				1450			250
14N	CS			20180+87.46	2142552.75	6485661.82	45016.50	8653.69	Cosine		3.00	2.56	250
	ST			20195+37.46	2141329.54	6486440.41				1450			250
	TS	S32°12'10"E	53360.37	20728+90.54	2096177.76	6514877.11			Cosine				250
	SC			20754+90.54	2093960.24	6516234.10				2600			250
	CS			20859+50.64	2084177.88	6519744.06	30016.50	10445.74	Cosine		5.50	2.83	250
15N	ST			20885+50.64	2081603.48	6520106.43				2600			250
	TS	S7°16'25"E	9950.46	20984+93.81	2071733.09	6521366.23			Cosine				250
	SC			20996+93.81	2070542.39	6521515.29				1200			250
	CS			21011+99.72	2069045.39	6521678.61	74016.50	1505.91	Cosine		2.00	1.38	250
	ST			21023+99.72	2067850.55	6521789.81				1200			250
16N	TS	S5°10'44"E	2603.68	21050+03.40	2065257.50	6522024.83			Cosine				250
	SC			21062+03.40	2064062.72	6522136.59				1200			250
	CS			21074+26.96	2062846.57	6522270.84	-61983.50	1223.56	Cosine		2.50	1.53	250
	ST			21086+26.96	2061656.19	6522422.37				1200			250
	POT	S7°25'09"E	14770.56	21233+97.52	2047009.28	6524329.66			Cosine				250

NOTES:
 1. RADII ARE POSITIVE IN VALUE BY THE CONVENTION OF LOOKING UP STATION AND TURNING RIGHT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
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 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1
 GENERAL
 HORIZONTAL ALIGNMENT DATA TABLE
 SHEET 2 OF 8

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0009
 SCALE
AS SHOWN
 SHEET NO.
21

STATION BREAK
 ALT 2 STA 17904+99.28 =
 ALT 1,3,5 STA 17905+07.54

ALTERNATIVE 2 SB													
TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Ea (IN)	Eu (IN)	V (MPH)
18	POT			17285+00.00	2321196.33	6278394.83							250
	TS	S73°07'38"E	9681.55	17381+81.55	2318386.27	6287659.61			Cosine				250
	SC			17407+81.55	2317599.70	6290137.53				2600			250
	CS			17430+49.57	2316767.88	6292246.92	30000	2268.02	Cosine		5.00	2.58	250
19	ST	S63°49'48"E	1560.73	17456+49.57	2315651.44	6294594.77				2600			250
	TS			17472+10.30	2314963.10	6295995.51			Cosine				250
	SC			17498+10.30	2313846.67	6298343.36				2600			250
	CS			17531+06.70	2312690.71	6301428.65	-30000	3296.40	Cosine		5.50	2.83	250
20	ST	S75°05'28"E	1235.18	17557+06.70	2311989.52	6303932.08				2600			250
	TS			17569+41.87	2311671.73	6305125.68			Cosine				250
	SC			17581+41.87	2311360.08	6306284.50				1200			250
	CS			17593+56.49	2311027.68	6307452.73	71000	1214.62	Cosine		1.75	1.77	250
21	ST	S73°08'34"E	20029.20	17605+56.49	2310682.58	6308602.03				1200			250
	TS			17805+85.69	2304874.33	6327770.58			Cosine				250
	SC			17820+35.69	2304447.21	6329156.23				1450			250
	CS			17890+49.28	2301794.73	6335641.23	45000	7013.59	Cosine		3.00	2.56	250
5	ST	S62°21'59"E	29598.53	17904+99.28	2301128.37	6336929.02				1450			250
	TS			18201+06.07	2287400.16	6363151.33			Cosine				250
	SC			18227+06.07	2286224.13	6365469.90				2600			250
	CS			18266+96.02	2284773.22	6369183.53	-30000	3989.95	Cosine		5.50	2.83	250
6	ST	S74°57'09"E	1471.13	18292+96.02	2284065.97	6371685.25				2600			250
	TS			18307+67.15	2283684.03	6373105.94			Cosine				250
	SC			18333+67.15	2282976.78	6375607.67				2600			250
	CS			18379+08.05	2281287.14	6379817.84	30000	4540.90	Cosine		5.50	2.83	250
7	ST	S61°18'51"E	5372.32	18405+08.05	2280068.73	6382114.42				2600			250
	TS			18458+80.38	2277489.99	6386827.38			Cosine				250
	SC			18479+80.38	2276465.62	6388660.50				2100			250
	CS			18578+81.19	2270321.60	6396382.23	35000	9900.82	Cosine		4.50	2.64	250
8	ST	S41°40'07"E	10750.70	18599+81.19	2268765.48	6397792.24				2100			250
	TS			18707+31.90	2260734.69	6404939.54			Cosine				250
	SC			18733+31.90	2258815.08	6406692.81				2600			250
	CS			18795+80.08	2254815.94	6411478.79	-30000	6248.18	Cosine		5.50	2.83	250
9	ST	S58°34'03"E	5791.23	18821+80.08	2253431.70	6413679.41				2600			250
	TS			18879+71.30	2250411.61	6418620.80			Cosine				250
	SC			18894+21.30	2249649.53	6419854.37				1450			250
	CS			18923+30.82	2248014.09	6422260.13	45000	2909.51	Cosine		3.00	2.56	250
10	ST	S53°01'00"E	1545.88	18937+80.82	2247147.37	6423422.55				1450			250
	TS			18953+26.70	2246217.40	6424657.42			Cosine				250
	SC			18978+26.70	2244689.72	6426636.12				2500			250
	CS			19045+21.48	2239925.54	6431321.08	31000	6694.78	Cosine		5.50	2.56	250
11	ST	S36°01'21"E	22580.53	19070+21.48	2237921.50	6432815.36				2500			250
	TS			19296+02.01	2219658.67	6446095.02			Cosine				250
	SC			19308+02.01	2218685.67	6446797.34				1200			250
	CS			19355+78.73	2214665.92	6449374.54	51000	4776.72	Cosine		2.50	2.40	250
12	ST	S29°18'29"E	15391.46	19367+78.73	2213621.58	6449965.59				1200			250
	TS			19521+70.19	2200200.21	6457499.77			Cosine				250
	SC			19547+70.19	2197917.00	6458743.05				2600			250
	CS			19636+67.39	2189502.09	6461530.73	30000	8897.21	Cosine		5.50	2.83	250
13	ST	S7°21'00"E	6250.37	19662+67.39	2186928.18	6461896.50				2600			250
	TS			19725+17.77	2180729.17	6462696.11			Cosine				250
	SC			19739+67.77	2179292.00	6462888.49				1450			250
	CS			20021+37.19	2154428.74	6475126.08	-45000	28169.43	Cosine		3.00	2.56	250
14	ST	S45°03'45"E	4360.50	20035+87.19	2153399.66	6476147.57				1450			250
	TS			20079+47.69	2150319.69	6479234.27			Cosine				250
	SC			20093+97.69	2149290.62	6480255.76				1450			250
	CS			20180+47.67	2142543.95	6485647.85	45000	8649.98	Cosine		3.00	2.56	250
15	ST	S32°12'10"E	53353.08	20194+97.67	2141320.74	6486426.45				1450			250
	TS			20728+50.75	2096175.14	6514859.26			Cosine				250
	SC			20754+50.75	2093957.63	6516216.27				2600			250
	CS			20859+03.67	2084168.55	6519728.63	30000	10452.92	Cosine		5.50	2.83	250
16	ST	S7°16'25"E	9943.17	20885+03.67	2081594.16	6520090.98				2600			250
	TS			20984+46.84	2071731.00	6521349.86			Cosine				250
	SC			20996+46.84	2070540.30	6521498.92				1200			250
	CS			21011+52.15	2069043.90	6521662.18	74000	1505.31	Cosine		2.00	1.38	250
17	ST	S5°10'44"E	2603.68	21023+52.15	2067849.06	6521773.38				1200			250
	TS			21049+55.82	2065256.01	6522008.40			Cosine				250
	SC			21061+55.82	2064061.23	6522120.16				1200			250
	CS			21073+80.03	2062844.44	6522254.48	-62000	1224.20	Cosine		2.50	1.53	250
POT	S7°25'09"E	14770.56	21085+80.03	2061654.05	6522406.00				1200			250	
				21233+50.58	2047007.16	6524313.30			Cosine				250

NOTES:
 1. RADII ARE POSITIVE IN VALUE BY THE CONVENTION OF LOOKING UP STATION AND TURNING RIGHT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
 GENERAL
 HORIZONTAL ALIGNMENT DATA TABLE
 SHEET 3 OF 8

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0010
 SCALE
AS SHOWN
 SHEET NO.
22

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\TT\BP-TT-B0011

4:38:29 AM

1/27/2021

jcs_user_17609

STATION BREAK
 ALT 2 STA 17905+50.00 =
 ALT 1,3,5 STA 17905+58.26

ALTERNATIVE 2 NB													
TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Ea (IN)	Eu (IN)	V (MPH)
18N	POT			17285+00.00	2321212.12	6278399.62							250
	TS	S73°07'38"E	9681.55	17381+81.55	2318402.06	6287664.39			Cosine				250
	SC			17407+81.55	2317615.51	6290142.33				2600			250
	CS			17430+52.25	2316782.71	6292254.21	30016.50	2270.70	Cosine		5.00	2.58	250
19N	ST	S63°49'48"E	1560.73	17456+52.25	2315666.25	6294602.05				2600			250
	TS			17472+12.98	2314977.91	6296002.79			Cosine				250
	SC			17498+12.98	2313861.49	6298350.64				2600			250
	CS			17531+06.13	2312706.67	6301432.90	-29983.50	3293.15	Cosine		5.50	2.83	250
20N	ST	S75°05'28"E	1235.18	17557+06.13	2312005.46	6303936.33				2600			250
	TS			17569+41.31	2311687.68	6305129.92			Cosine				250
	SC			17581+41.31	2311376.03	6306288.75				1200			250
	CS			17593+56.49	2311043.47	6307457.52	71016.50	1215.18	Cosine		5.50	2.83	250
21N	ST	S73°08'34"E	20075.17	17605+56.49	2310698.37	6308606.82				1200			250
	TS			17806+31.66	2304876.79	6327819.36			Cosine				250
	SC			17820+81.66	2304449.67	6329205.01				1450			250
	CS			17891+00.00	2301795.40	6335694.40	45025.25	7018.33	Cosine		3.00	2.56	250
5N	ST	S62°21'59"E	29551.73	17905+50.00	2301129.04	6336982.19				1450			250
	TS			18201+09.99	2287422.53	6363163.04			Cosine				250
	SC			18227+09.99	2286246.53	6365481.62				2600			250
	CS			18266+94.39	2284797.63	6369190.10	-29974.75	3984.40	Cosine		5.50	2.83	250
6N	ST	S74°57'09"E	1471.13	18292+94.39	2284090.35	6371691.81				2600			250
	TS			18307+65.52	2283708.41	6373112.50			Cosine				250
	SC			18333+65.52	2283001.19	6375614.23				2600			250
	CS			18379+12.43	2281309.32	6379829.98	30025.25	4546.91	Cosine		5.50	2.83	250
7N	ST	S61°18'51"E	5372.33	18405+12.43	2280090.88	6382126.54				2600			250
	TS			18458+84.76	2277512.14	6386839.50			Cosine				250
	SC			18479+84.76	2276487.79	6388672.62				2100			250
	CS			18578+94.23	2270338.40	6396401.10	35025.25	9909.47	Cosine		4.50	2.64	250
8N	ST	S41°40'07"E	10750.70	18599+94.23	2268782.27	6397811.10				2100			250
	TS			18707+44.93	2260751.47	6404958.40			Cosine				250
	SC			18733+44.93	2258831.89	6406711.69				2600			250
	CS			18795+85.67	2254837.50	6411491.98	-29974.75	6240.73	Cosine		5.50	2.83	250
9N	ST	S58°34'03"E	6235.54	18821+85.67	2253453.24	6413692.58				2600			250
	TS			18884+21.21	2250201.44	6419013.09			Cosine				250
	SC			18898+21.21	2249465.85	6420204.24				1400			250
	CS			18927+87.12	2247798.72	6422656.61	45066.00	2965.91	Cosine		3.00	2.56	250
10N	ST	S53°01'00"E	1149.59	18941+87.12	2246961.69	6423778.82				1400			250
	TS			18953+36.71	2246270.12	6424697.12			Cosine				250
	SC			18978+36.71	2244742.49	6426675.87				2500			250
	CS			19045+51.07	2239964.40	6431374.51	31066.00	6714.36	Cosine		5.50	2.56	250
11N	ST	S36°01'21"E	22580.53	19070+51.07	2237960.32	6432868.74				2500			250
	TS			19296+31.61	2219697.49	6446148.40			Cosine				250
	SC			19308+31.61	2218724.49	6446850.73				1200			250
	CS			19356+16.06	2214698.23	6449432.09	51066.00	4784.45	Cosine		2.50	2.40	250
12N	ST	S29°18'29"E	15391.46	19368+16.06	2213653.89	6450023.15				1200			250
	TS			19522+07.52	2200232.52	6457557.32			Cosine				250
	SC			19548+07.52	2197949.34	6458800.67				2600			250
	CS			19637+30.02	2189510.55	6461596.26	30066.00	8922.50	Cosine		5.50	2.83	250
13N	ST	S7°21'00"E	6327.28	19663+30.02	2186936.63	6461961.96				2600			250
	TS			19726+61.31	2180657.35	6462771.92			Cosine				250
	SC			19741+11.13	2179220.19	6462964.31				1450			250
	CS			20022+37.30	2154395.21	6475183.06	-44934.00	28125.98	Cosine		3.00	2.56	250
14N	ST	S45°03'45"E	3724.67	20036+87.30	2153366.13	6476204.54				1450			250
	TS			20079+83.78	2150331.37	6479245.92			Cosine				250
	SC			20094+33.78	2149302.30	6480267.42				1450			250
	CS			20180+87.46	2142552.75	6485661.82	45016.50	8653.69	Cosine		3.00	2.56	250
15N	ST	S32°12'10"E	53360.37	20195+37.46	2141329.54	6486440.41				1450			250
	TS			20728+90.54	2096177.76	6514877.11			Cosine				250
	SC			20754+90.54	2093960.24	6516234.10				2600			250
	CS			20859+50.64	2084177.88	6519744.06	30016.50	10445.74	Cosine		5.50	2.83	250
16N	ST	S7°16'25"E	9950.46	20885+50.64	2081603.48	6520106.43				2600			250
	TS			20984+93.81	2071733.09	6521366.23			Cosine				250
	SC			20996+93.81	2070542.39	6521515.29				1200			250
	CS			21011+99.72	2069045.39	6521678.61	74016.50	1505.91	Cosine		2.00	1.38	250
17N	ST	S5°10'44"E	2603.68	21023+99.72	2067850.55	6521789.81				1200			250
	TS			21050+03.40	2065257.50	6522024.83			Cosine				250
	SC			21062+03.40	2064062.72	6522136.59				1200			250
	CS			21074+26.96	2062846.57	6522270.84	-61983.50	1223.56	Cosine		2.50	1.53	250
POT	S7°25'09"E	14770.56	21086+26.96	2061656.19	6522422.37				1200			250	
				21233+97.52	2047009.28	6524329.66			Cosine				250

NOTES:

1. RADII ARE POSITIVE IN VALUE BY THE CONVENTION OF LOOKING UP STATION AND TURNING RIGHT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 GENERAL
 HORIZONTAL ALIGNMENT DATA TABLE
 SHEET 4 OF 8

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0011
 SCALE
AS SHOWN
 SHEET NO.
23

NOTES:

1. RADII ARE POSITIVE IN VALUE BY THE CONVENTION OF LOOKING UP STATION AND TURNING RIGHT.

REFINED CCNM STA 18307+67.15=
ALT 1,2,3,5 STA 18307+67.15

REFINED CCNM DESIGN OPTION SB													
TRACK GEOMETRY DATA													
CURVE No.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Eq (IN)	Eu (IN)	V (MPH)
6	POT			18307+67.15	2283684.03	6373105.91							250
	TS	S74°57'09"E	175.15	18309+42.30	2283638.56	6373275.09			Cosine				250
	SC			18331+92.30	2283030.26	6375441.14				2250			250
	CS			18380+83.20	2281210.67	6379975.14	30000	4890.90	Cosine		5.50	2.83	250
	ST			18403+33.20	2280152.80	6381960.77				2250			250
7	TS	S61°18'51"E	1152.83	18414+86.03	2279599.44	6382972.11			Cosine				220
	SC			18431+86.03	2278800.63	6384472.61				1700			220
	CS			18445+42.24	2278233.68	6385704.40	-22050	1356.21	Cosine		5.80	2.98	220
	ST			18462+42.24	2277613.40	6387287.08				1700			220
	TS	S69°15'20"E	4132.92	18503+75.16	2276149.53	6391152.06			Cosine				220
8	SC			18520+75.16	2275529.21	6392734.71				1700			220
	CS			18667+88.24	2265844.79	6403446.27	22000	14713.08	Cosine		5.80	3.00	220
	ST			18684+88.24	2264332.46	6404222.45				1700			220
	TS	S26°30'37"E	1046.67	18695+34.91	2263395.84	6404689.64			Cosine				220
	SC			18712+34.91	2261883.49	6405465.79				1700			220
9	CS			18818+71.98	2254121.67	6412587.87	-22050	10637.07	Cosine		5.80	2.98	220
	ST			18835+71.98	2253218.62	6414028.04				1700			220
	TS	S58°34'03"E	5382.63	18889+54.61	2250411.61	6418620.80			Cosine				250
	SC			18904+04.61	2249649.53	6419854.37				1450			250
	CS			18933+14.12	2248014.09	6422260.13	45000	2909.51	Cosine		3.00	2.56	250
10	ST			18947+64.12	2247147.37	6423422.55				1450			250
	TS	S53°01'00"E	1545.88	18963+10.00	2246217.40	6424657.42			Cosine				250
	SC			18988+10.00	2244689.72	6426636.12				2500			250
	CS			19055+04.79	2239925.54	6431321.08	31000	6694.78	Cosine		5.50	2.56	250
	ST			19080+04.79	2237921.50	6432815.36				2500			250
11	POT	S36°01'21"E	2435.23	19104+40.02	2235951.92	6434247.52			Cosine				250

REFINED CCNM STA 19104+40.02=
ALT 1,2,3,5 STA 19094+56.71

REFINED CCNM STA 18307+65.52=
ALT 1,2,3,5 STA 18307+65.52

REFINED CCNM DESIGN OPTION NB													
TRACK GEOMETRY DATA													
CURVE No.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (ft)	Lc (ft)	SPIRAL TYPE	Ls (ft)	Eq (IN)	Eu (IN)	V (MPH)
6N	POT			18307+65.52	2283708.41	6373112.50							250
	TS	S74°57'09"E	175.15	18309+40.67	2283662.94	6373281.64			Cosine				250
	SC			18331+90.67	2283054.66	6375447.71				2250			250
	CS			18380+87.58	2281232.84	6379987.26	30025.25	4896.91	Cosine		5.50	2.83	250
	ST			18403+37.58	2280174.95	6381972.89				2250			250
7N	TS	S61°18'51"E	1152.83	18414+90.41	2279621.59	6382984.23			Cosine				220
	SC			18431+90.41	2278822.80	6384484.74				1700			220
	CS			18445+43.12	2278257.31	6385713.36	-22024.75	1352.71	Cosine		5.80	2.98	220
	ST			18462+43.12	2277637.02	6387296.02				1700			220
	TS	S69°15'20"E	4132.92	18503+76.04	2276173.14	6391161.00			Cosine				220
8N	SC			18520+76.04	2275552.85	6392743.67				1700			220
	CS			18668+07.96	2265856.07	6403468.89	22025.25	14731.92	Cosine		5.80	3.00	220
	ST			18685+07.96	2264343.73	6404245.05				1700			220
	TS	S26°30'37"E	1046.67	18695+54.63	2263407.11	6404712.24			Cosine				220
	SC			18712+54.63	2261894.77	6405488.40				1700			220
9N	CS			18818+77.57	2254143.23	6412601.05	-22024.75	10622.94	Cosine		5.80	2.98	220
	ST			18835+77.57	2253240.16	6414041.21				1700			220
	TS	S58°34'03"E	5826.95	18894+04.52	2250201.44	6419013.09			Cosine				250
	SC			18908+04.52	2249465.85	6420204.24				1400			250
	CS			18937+70.43	2247798.72	6422656.61	45066	2965.91	Cosine		3.00	2.56	250
10N	ST			18951+70.43	2246961.69	6423778.82				1400			250
	TS	S53°01'00"E	1149.59	18963+20.02	2246270.12	6424697.12			Cosine				250
	SC			18988+20.02	2244742.49	6426675.87				2500			250
	CS			19055+34.38	2239964.40	6431374.51	31066	6714.36	Cosine		5.50	2.56	250
	ST			19080+34.38	2237960.32	6432868.74				2500			250
11N	POT	S36°01'21"E	2435.23	19104+69.61	2235990.73	6434300.90			Cosine				250

REFINED CCNM STA 19104+69.61=
ALT 1,2,3,5 STA 19094+86.31

Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\TT\BP-TT-B0202

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1/20/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

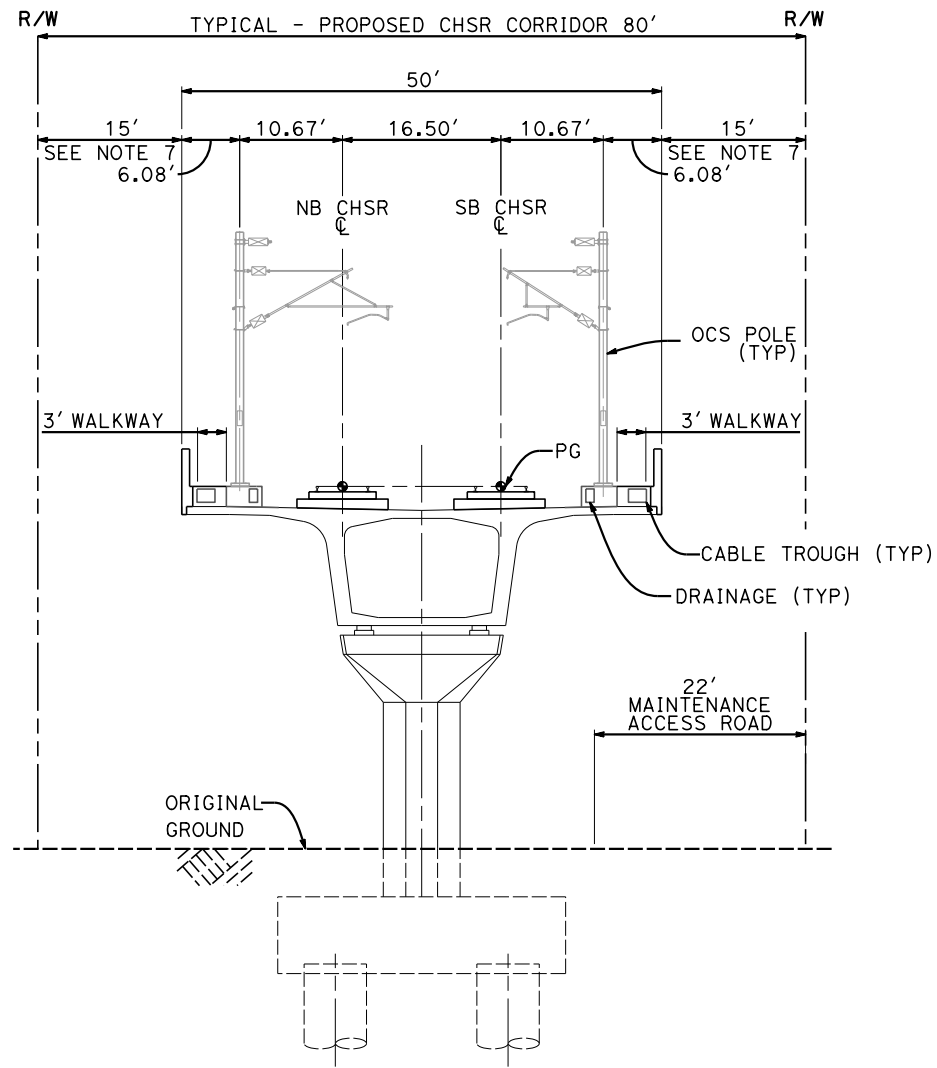
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CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
TRACK GENERAL
HORIZONTAL ALIGNMENT DATA TABLE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0202
SCALE
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SHEET NO.
24

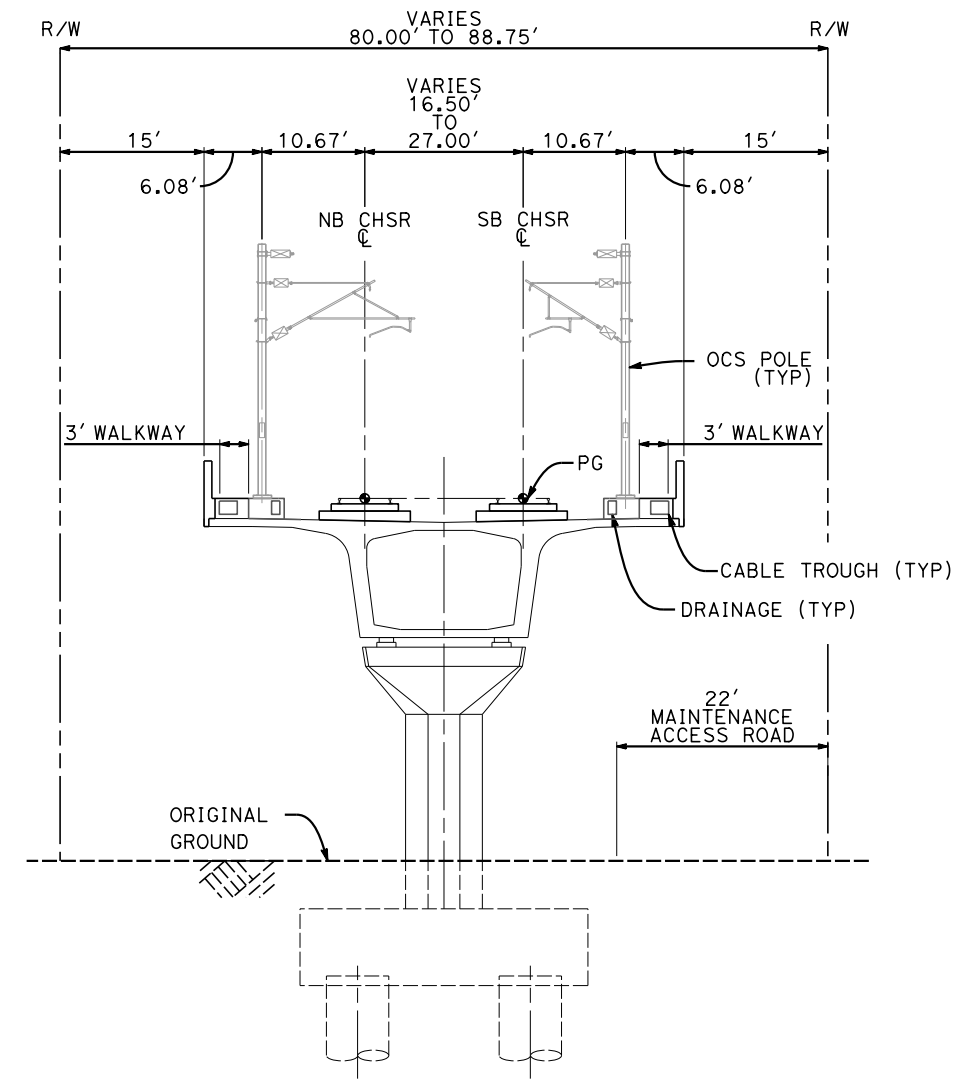


SECTION A

STA 17285+00 TO 17412+72 (ALT 1,3,5)	STA 20558+82 TO 20568+62 (ALT 1,2,3,5)
STA 17452+00 TO 17455+00 (ALT 1,3,5)	STA 20619+77 TO 20623+77 (ALT 1,2,3,5)
STA 17509+50 TO 17512+50 (ALT 1,3,5)	STA 20641+00 TO 20649+80 (ALT 1,2,3,5)
STA 17566+05 TO 17567+40 (ALT 1,3,5)	STA 20682+97 TO 20686+37 (ALT 1,2,3,5)
STA 17619+92 TO 17622+92 (ALT 1,3,5)	STA 20735+35 TO 20761+65 (ALT 1,2,3)
STA 17674+45 TO 17677+45 (ALT 1,3,5)	STA 20914+80 TO 20915+85 (ALT 1,2,3)
STA 17729+75 TO 17732+75 (ALT 1,3,5)	STA 20934+91 TO 20935+99 (ALT 1,2,3)
STA 20042+95 TO 20048+75 (ALT 1,2,3,5)	STA 17285+00 TO 17412+52 (ALT 2)
STA 20081+30 TO 20086+60 (ALT 1,2,3,5)	STA 17452+09 TO 17455+09 (ALT 2)
STA 20118+10 TO 20133+70 (ALT 1,2,3,5)	STA 17497+80 TO 17530+70 (ALT 2)
STA 20246+35 TO 20249+95 (ALT 1,2,3,5)	STA 17565+60 TO 17568+60 (ALT 2)
STA 20264+90 TO 20269+60 (ALT 1,2,3,5)	STA 17620+00 TO 17624+20 (ALT 2)
STA 20278+35 TO 20281+35 (ALT 1,2,3,5)	STA 17675+79 TO 17679+49 (ALT 2)
STA 20309+31 TO 20312+91 (ALT 1,2,3,5)	STA 17730+77 TO 17734+97 (ALT 2)
STA 20361+73 TO 20367+53 (ALT 1,2,3,5)	STA 17744+35 TO 17757+00 (ALT 2)
STA 20434+20 TO 20437+80 (ALT 1,2,3,5)	STA 17787+86 TO 17789+36 (ALT 2)
STA 20462+35 TO 20473+00 (ALT 1,2,3,5)	STA 20004+65 TO 20008+90 (ALT 3)
STA 20496+96 TO 20499+36 (ALT 1,2,3,5)	STA 20735+35 TO 20761+65 (ALT 5)
	STA 20934+45 TO 20935+53 (ALT 5)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. THIS DIMENSION VARIES DOWN TO 2.5' MIN AND UP TO 50' MAX FROM STA 17285+00 TO 17413+00



SECTION B

STA 17787+30 TO 17788+70 (ALT 1,3,5)
STA 17841+15 TO 17856+15 (ALT 1,3,5)
STA 20007+03 TO 20011+88 (ALT 1,2,5)
STA 17840+55 TO 17855+65 (ALT 2)



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1/20/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CARSON
DRAWN BY A. CARSON
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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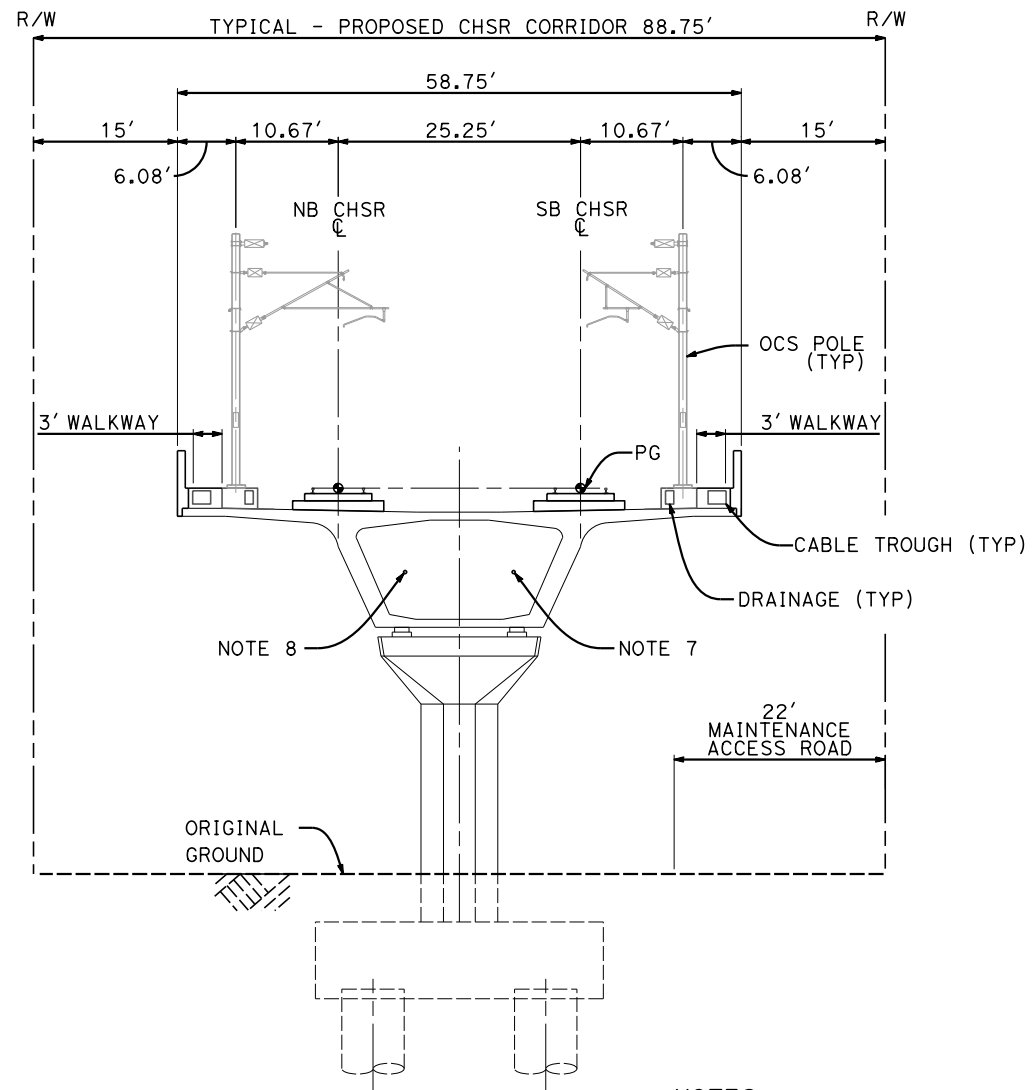
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 1 OF 18

CONTRACT NO. HSR13-44
DRAWING NO. TT-B3001
SCALE AS SHOWN
SHEET NO. 25

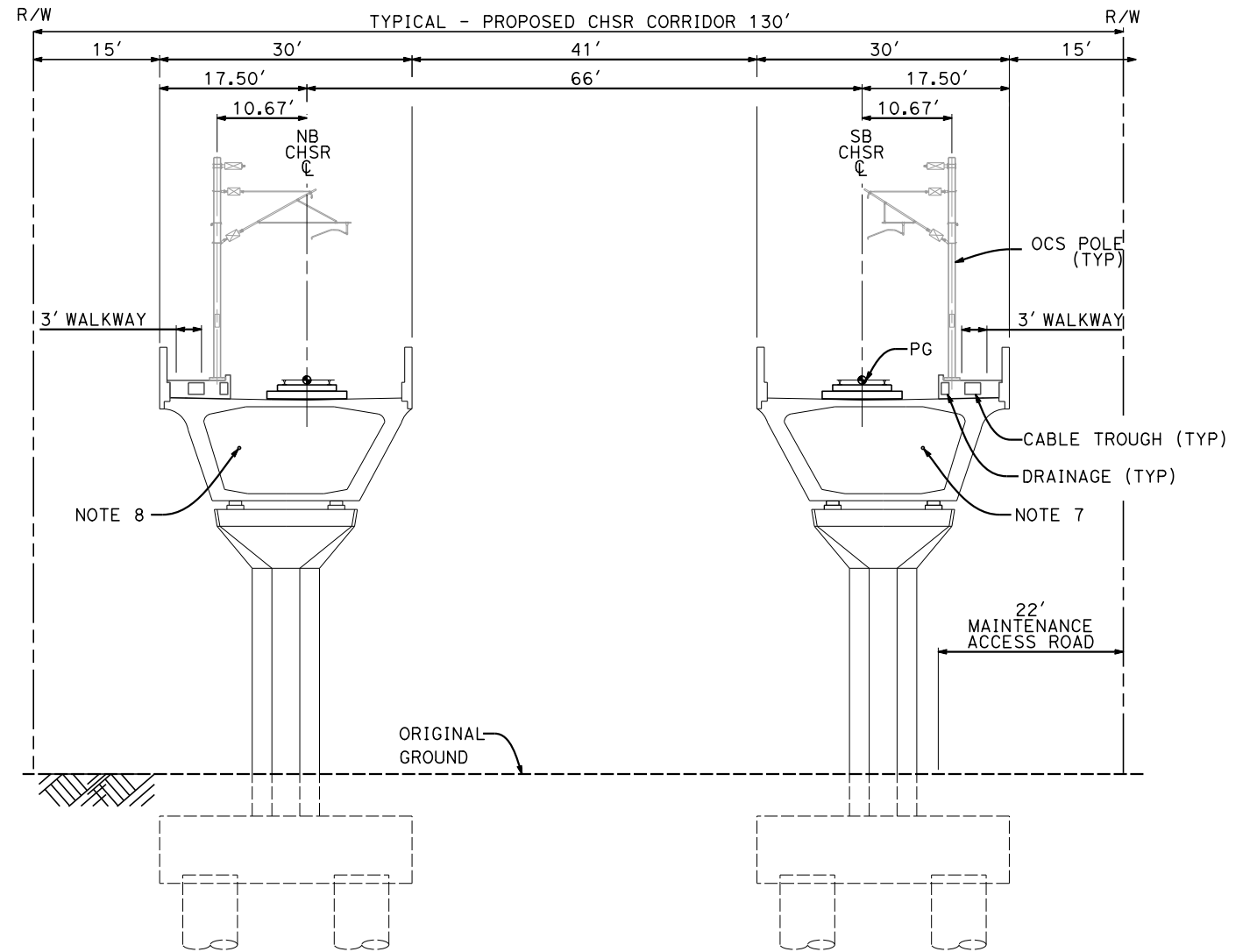


SECTION C

- STA 18076+71 TO 18106+61 (ALT 1,2,3,5)
- STA 18158+34 TO 18159+54 (ALT 1,2,3,5)
- STA 18239+45 TO 18245+25 (ALT 1,2,3,5)
- STA 18463+56 TO 18475+16 (ALT 1,2,3,5)
- STA 18494+23 TO 18497+43 (ALT 1,2,3,5)
- STA 18561+10 TO 18575+70 (ALT 1,2,3,5)
- STA 18700+32 TO 18703+53 (ALT 1,2,3,5)
- STA 18717+05 TO 18746+75 (ALT 1,2,3,5)
- STA 18828+25 TO 18874+85 (ALT 1,2,3,5)

NOTES:

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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS



SECTION D

- STA 19066+05 TO 19068+05 (ALT 1,2,3,5)
- STA 19087+82 TO 19097+24 (ALT 1,2,3,5)
- STA 19111+50 TO 19129+60 (ALT 1,2,3,5)
- STA 19150+86 TO 19157+26 (ALT 1,2,3,5)
- STA 19669+54 TO 19673+24 (ALT 1,2,5)
- STA 19726+37 TO 19728+77 (ALT 1,2,5)
- STA 19452+65 TO 19456+05 (ALT 3)
- STA 19465+95 TO 19470+80 (ALT 3)

4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" CHSR WATERLINE FROM STATION 18034+00 TO 19591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



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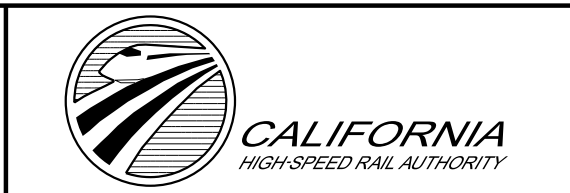
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CARSON
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CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 2 OF 18

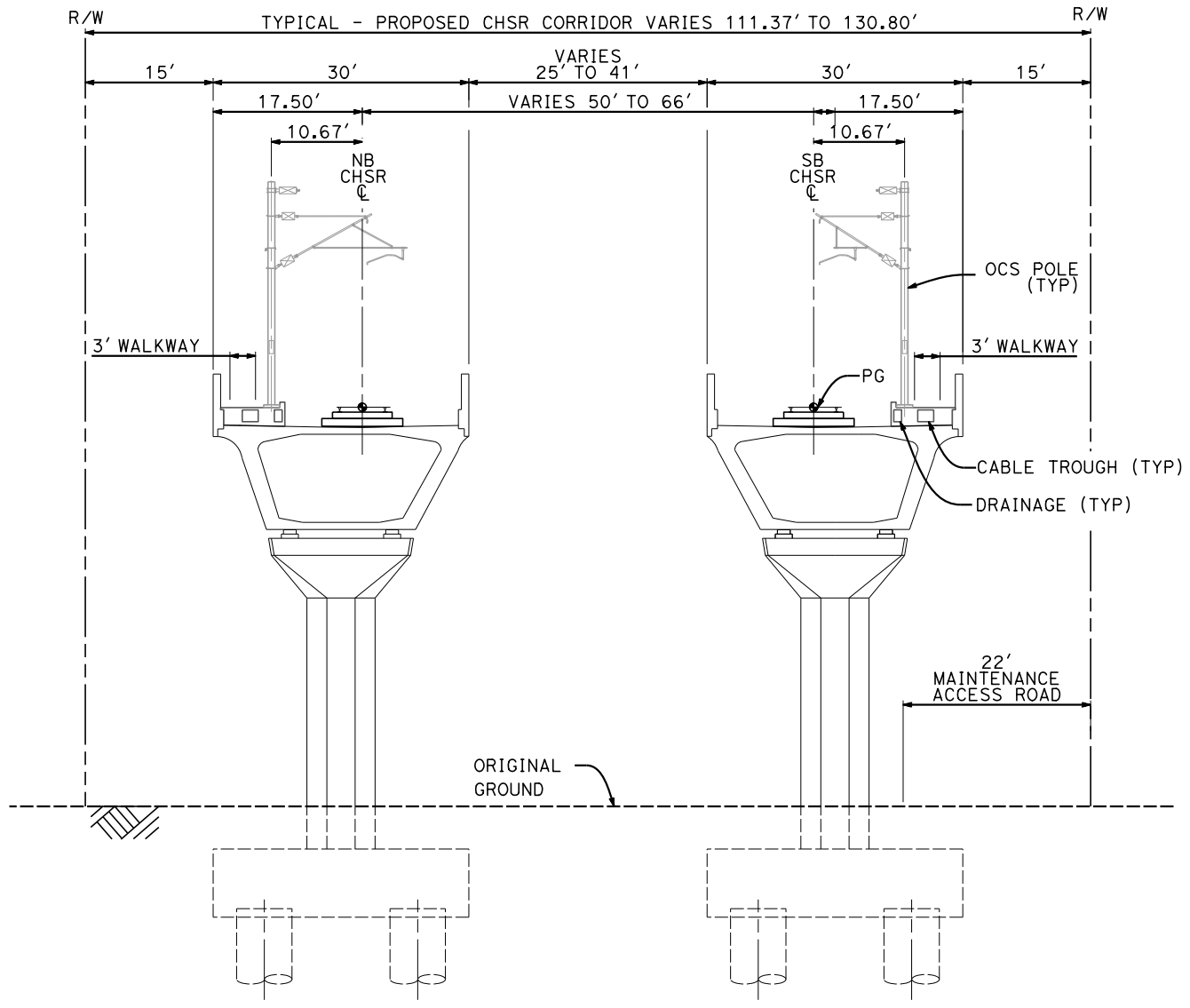
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SECTION E

STA 19757+41 TO 19758+81 (ALT 1,2,5)	STA 19785+30 TO 19788+90 (ALT 3)
STA 19793+39 TO 19796+99 (ALT 1,2,5)	STA 19798+13 TO 19801+33 (ALT 3)
STA 19805+90 TO 19818+40 (ALT 1,2,5)	STA 19809+75 TO 19820+65 (ALT 3)
STA 19858+10 TO 19861+10 (ALT 1,2,5)	STA 19842+55 TO 19845+55 (ALT 3)
STA 19878+99 TO 19883+39 (ALT 1,2,5)	STA 19862+80 TO 19865+80 (ALT 3)
	STA 19871+54 TO 19877+34 (ALT 3)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS



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DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 3 OF 18

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3003

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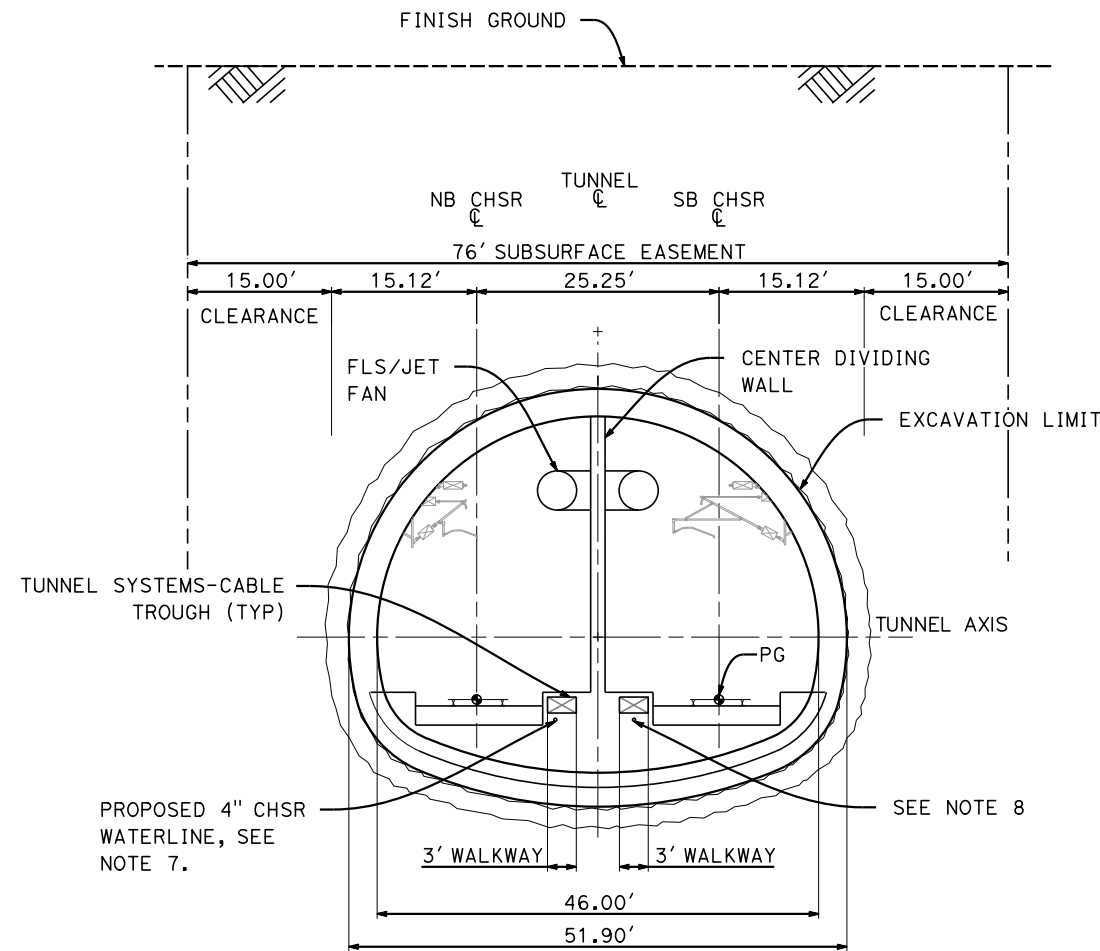
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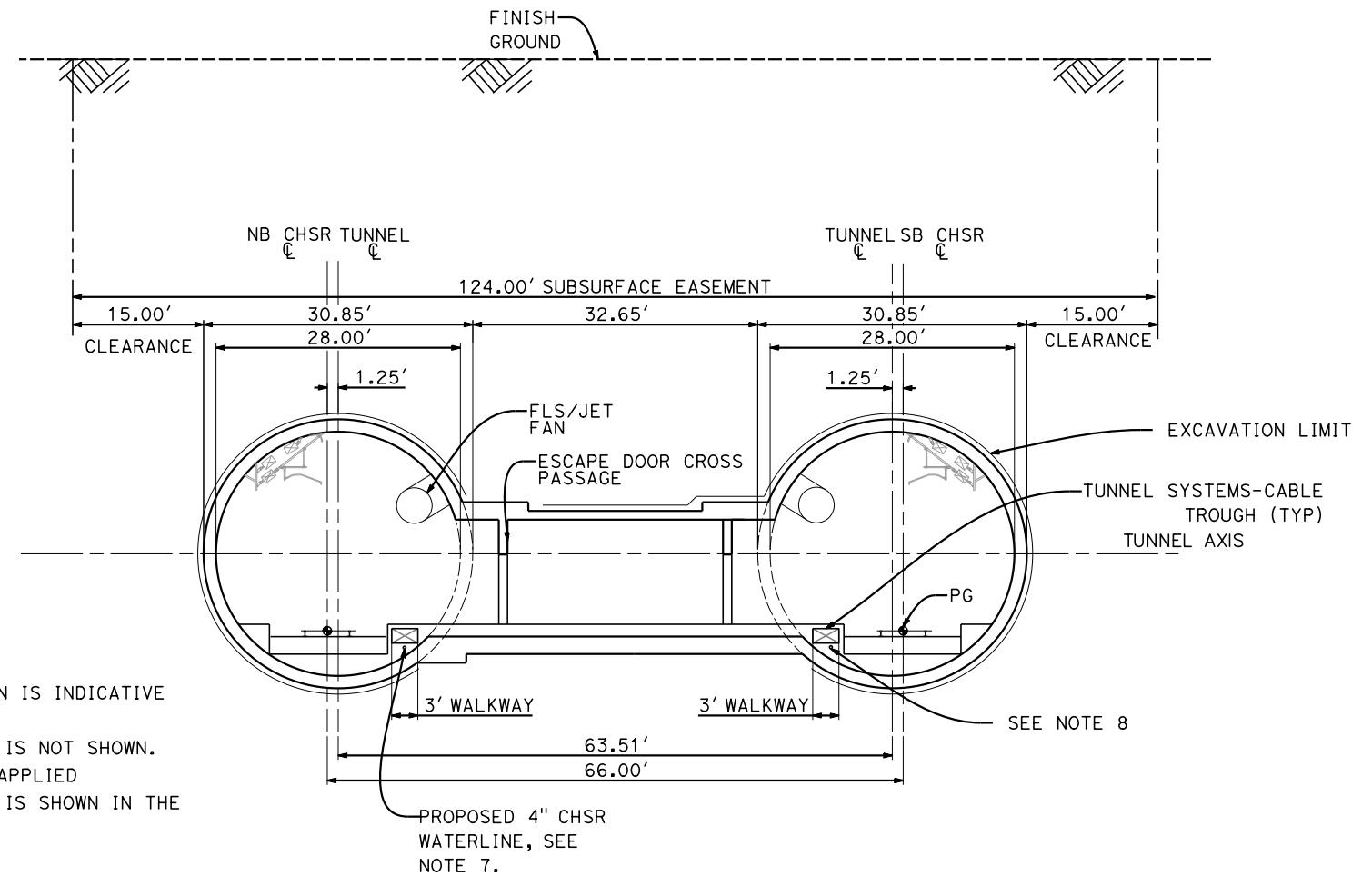


SECTION F
SINGLE TUNNEL - SEQUENTIAL EXCAVATION

STA 18035+00 TO 18050+00 (ALT 1,2,3,5)
STA 18123+70 TO 18140+00 (ALT 1,2,3,5)
STA 18190+00 TO 18210+00 (ALT 1,2,3,5)

NOTES:

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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



SECTION G
TWIN TUNNEL - TUNNEL BORING MACHINE

STA 18938+30 TO 19009+50 (ALT 1,2,3,5)
STA 19284+30 TO 19425+00 (ALT 1,2,5)
STA 19495+00 TO 19589+70 (ALT 1,2,5)
STA 19284+30 TO 19425+00 (ALT 3)
STA 19480+00 TO 19594+00 (ALT 3)



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CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 4 OF 18

CONTRACT NO. HSR13-44
DRAWING NO. TT-B3004
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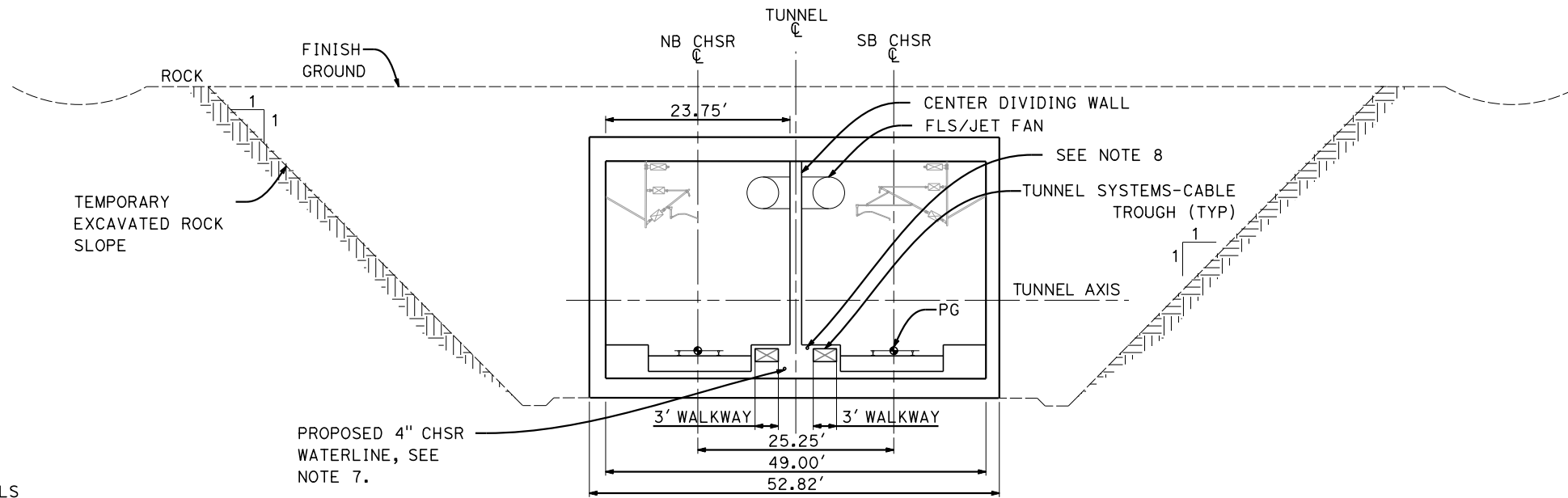
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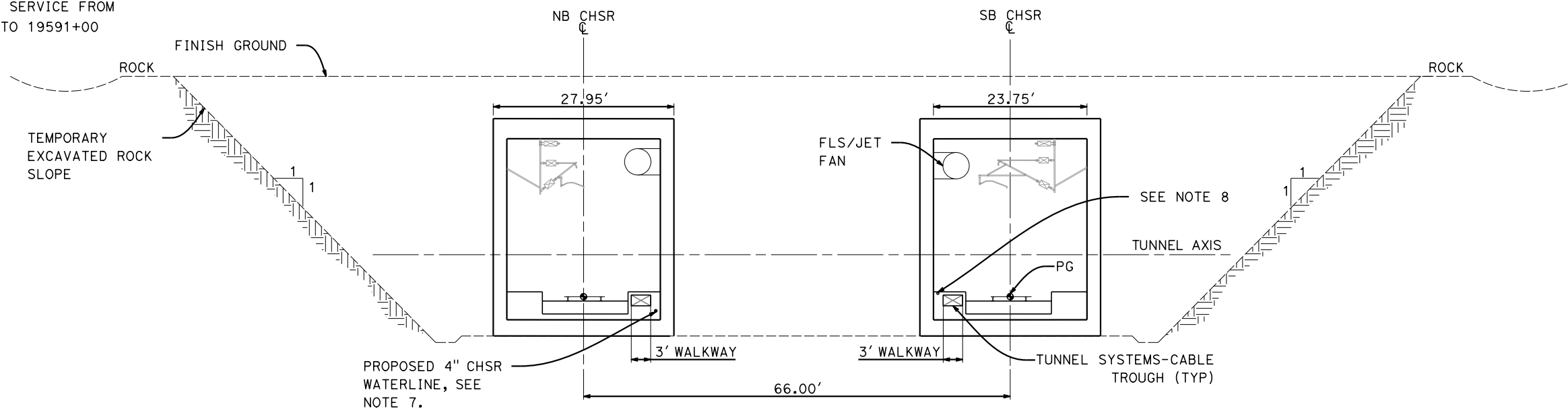
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



SECTION H
SINGLE TUNNEL - CUT AND COVER

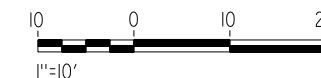
STA 18362+50 TO 18368+00 (ALT 1,2,3,5)



SECTION I

TWIN TUNNEL - CUT AND COVER

STA 19594+00 TO 19687+50 (ALT 3)

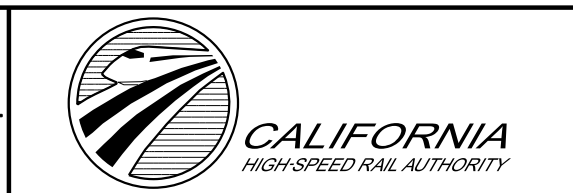


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IN CHARGE G. CAMPBELL
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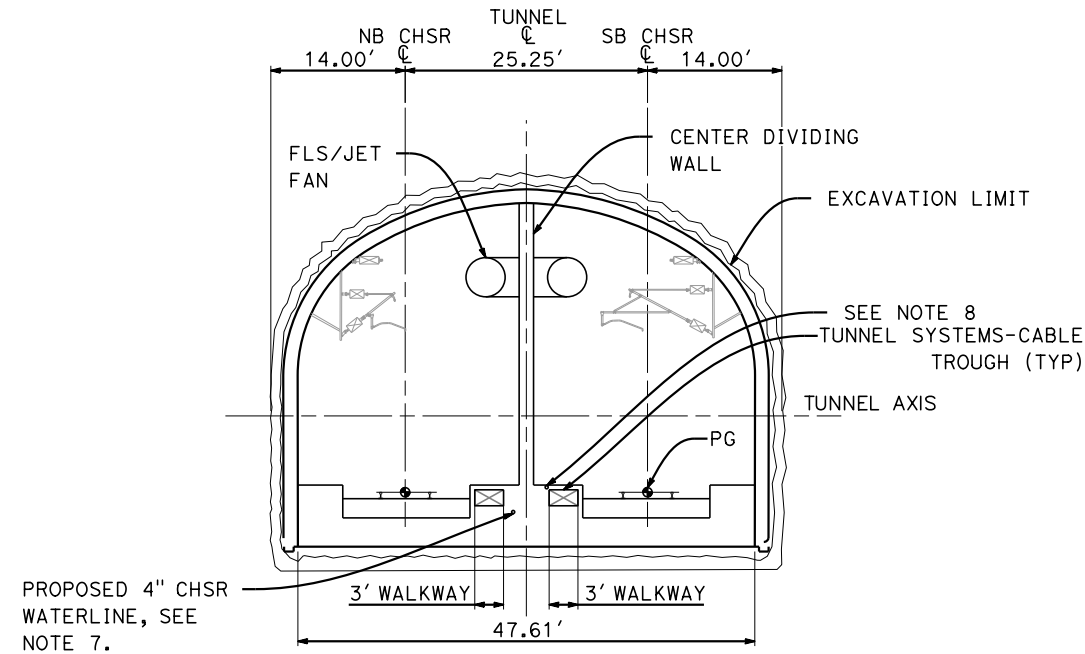
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 5 OF 18

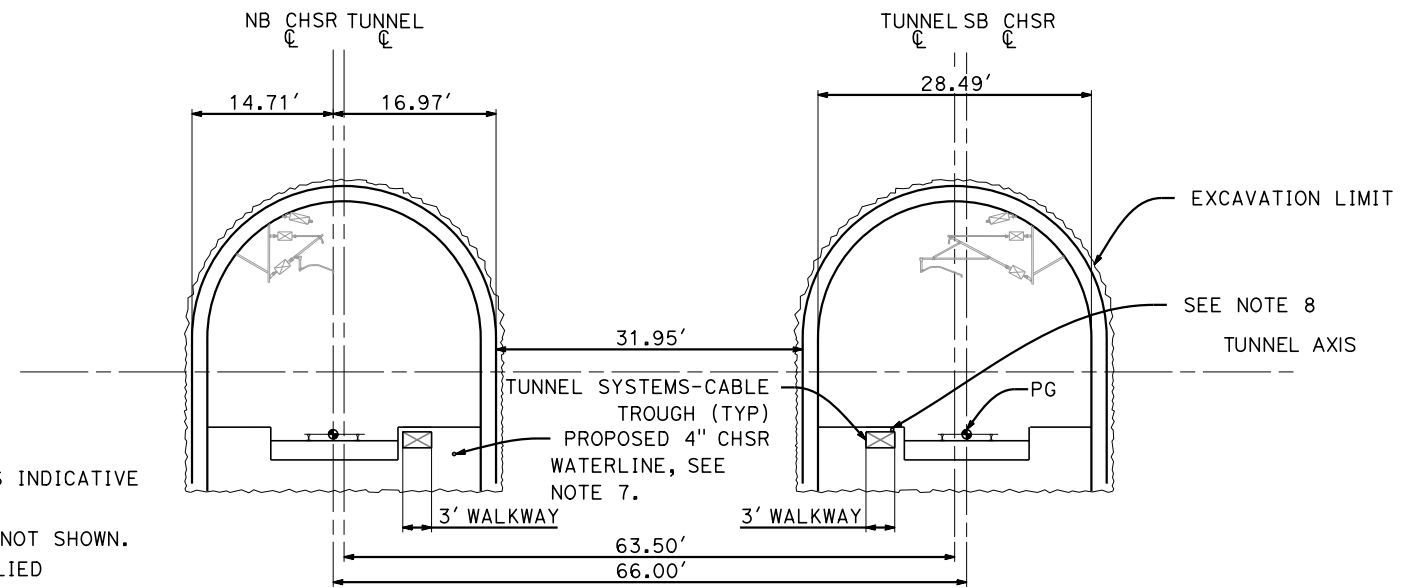
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SHEET NO. 29



SECTION J

SINGLE TUNNEL - DRILL AND BLAST

STA 18368+00 TO 18422+50 (ALT 1,2,3,5)
 STA 18522+50 TO 18540+00 (ALT 1,2,3,5)
 STA 18602+50 TO 18655+00 (ALT 1,2,3,5)



SECTION K

TWIN TUNNEL - DRILL AND BLAST

STA 18927+50 TO 18938+30 (ALT 1,2,3,5)
 STA 19284+00 TO 19284+30 (ALT 1,2,5)
 STA 19589+70 TO 19590+00 (ALT 1,2,5)
 STA 19284+00 TO 19284+30 (ALT 3)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY A. CARSON
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 6 OF 18

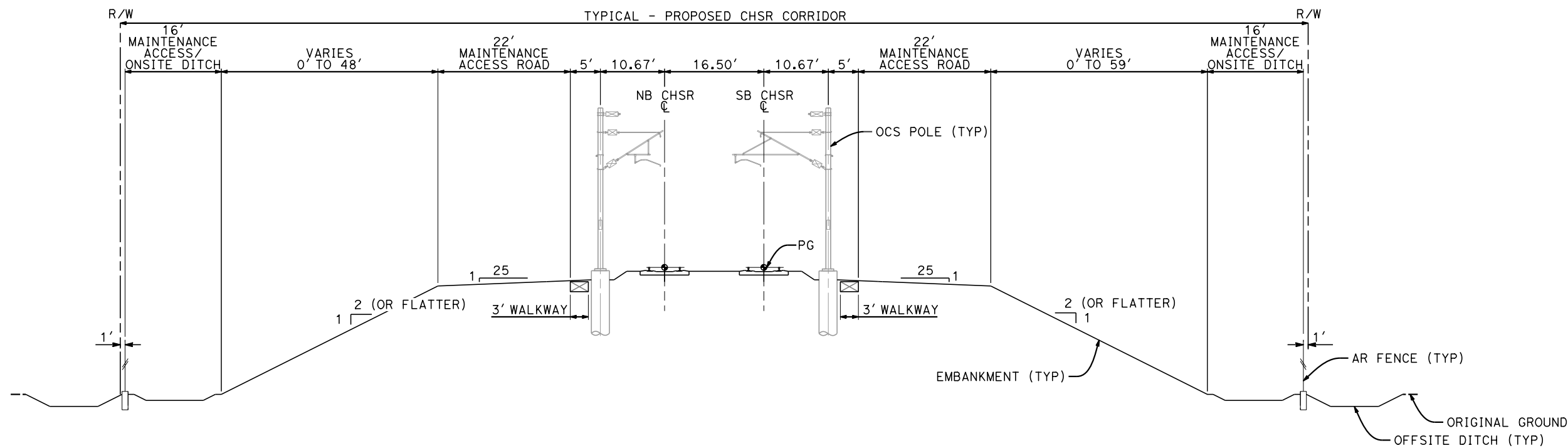
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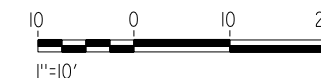


SECTION L

STA 17412+72 TO 17452+00 (ALT 1,3,5)	STA 20568+62 TO 20619+77 (ALT 1,2,3,5)
STA 17455+00 TO 17509+50 (ALT 1,3,5)	STA 20623+77 TO 20641+00 (ALT 1,2,3,5)
STA 17512+50 TO 17566+05 (ALT 1,3,5)	STA 20649+80 TO 20682+97 (ALT 1,2,3,5)
STA 17567+40 TO 17619+92 (ALT 1,3,5)	STA 20686+37 TO 20735+35 (ALT 1,2,3,5)
STA 17622+92 TO 17674+45 (ALT 1,3,5)	STA 20761+65 TO 20818+00 (ALT 1,2,3)
STA 17677+45 TO 17729+75 (ALT 1,3,5)	STA 17412+52 TO 17452+09 (ALT 2)
STA 17732+75 TO 17776+19 (ALT 1,3,5)	STA 17455+09 TO 17497+80 (ALT 2)
STA 20011+88 TO 20042+95 (ALT 1,2,3,5)	STA 17530+70 TO 17565+60 (ALT 2)
STA 20048+75 TO 20081+30 (ALT 1,2,3,5)	STA 17568+60 TO 17620+00 (ALT 2)
STA 20086+60 TO 20118+10 (ALT 1,2,3,5)	STA 17624+20 TO 17675+79 (ALT 2)
STA 20133+70 TO 20246+35 (ALT 1,2,3,5)	STA 17679+49 TO 17730+77 (ALT 2)
STA 20249+95 TO 20264+90 (ALT 1,2,3,5)	STA 17734+97 TO 17744+35 (ALT 2)
STA 20269+60 TO 20278+35 (ALT 1,2,3,5)	STA 17757+00 TO 17787+86 (ALT 2)
STA 20281+35 TO 20309+31 (ALT 1,2,3,5)	STA 17789+36 TO 17805+86 (ALT 2)
STA 20312+91 TO 20361+73 (ALT 1,2,3,5)	STA 20008+90 TO 20033+05 (ALT 3)
STA 20367+53 TO 20434+20 (ALT 1,2,3,5)	STA 20720+00 TO 20735+35 (ALT 5)
STA 20437+80 TO 20462+35 (ALT 1,2,3,5)	STA 20761+65 TO 20804+00 (ALT 5)
STA 20473+00 TO 20496+96 (ALT 1,2,3,5)	
STA 20499+36 TO 20558+82 (ALT 1,2,3,5)	

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS



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DESIGNED BY A. CARSON
DRAWN BY A. CARSON
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 7 OF 18

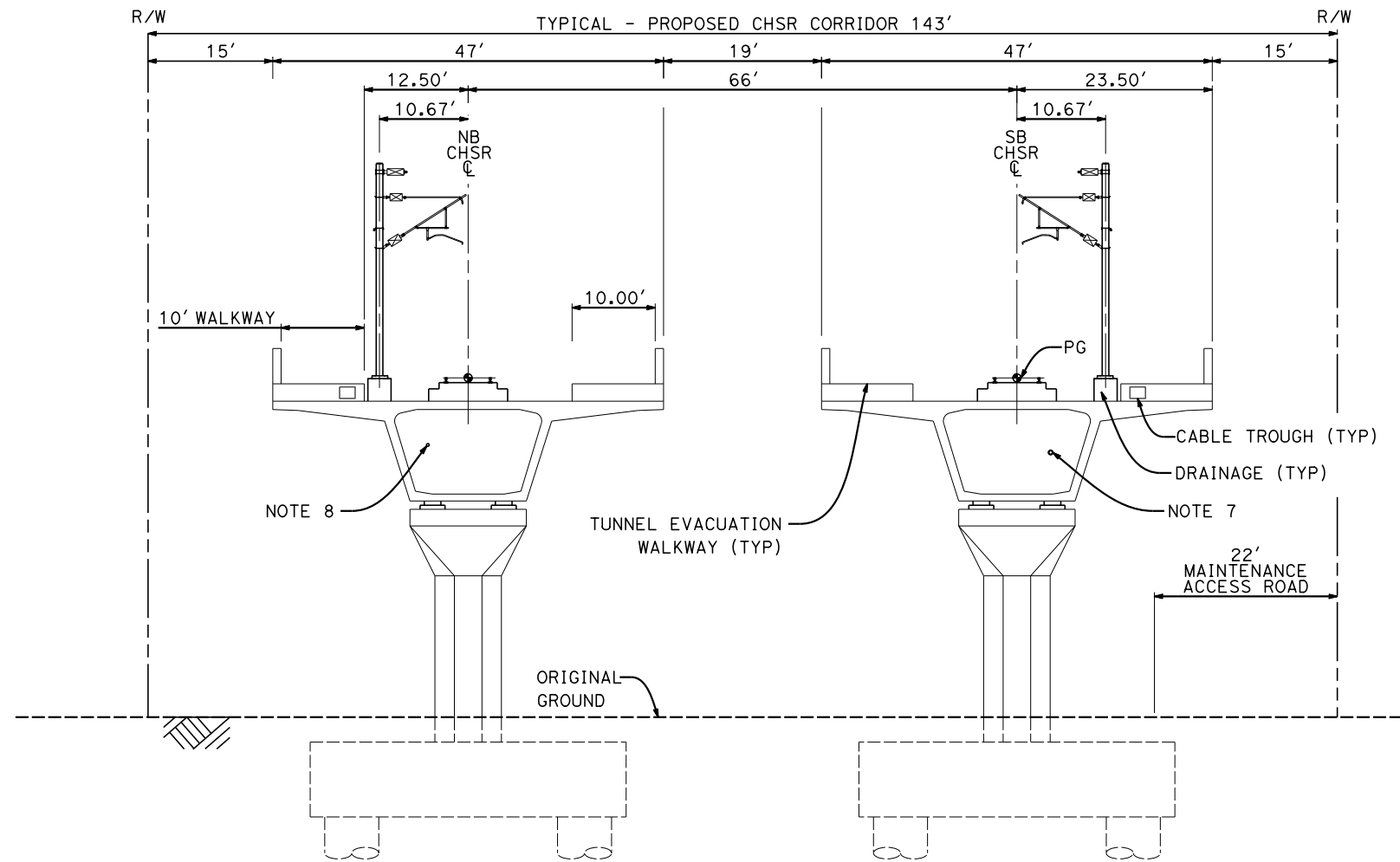
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SECTION M

STA 19271+45 TO 19275+85 (ALT 1,2,3,5)
 STA 19458+00 TO 19473+50 (ALT 1,2,5)
 STA 19465+95 TO 19470+80 (ALT 3)

NOTES:

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- 3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
- 4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
- 5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
- 6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
- 7. PROPOSED 4" CHSR WATERLINE FROM STATION 18034+00 TO 19591+00
- 8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

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 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 8 OF 18

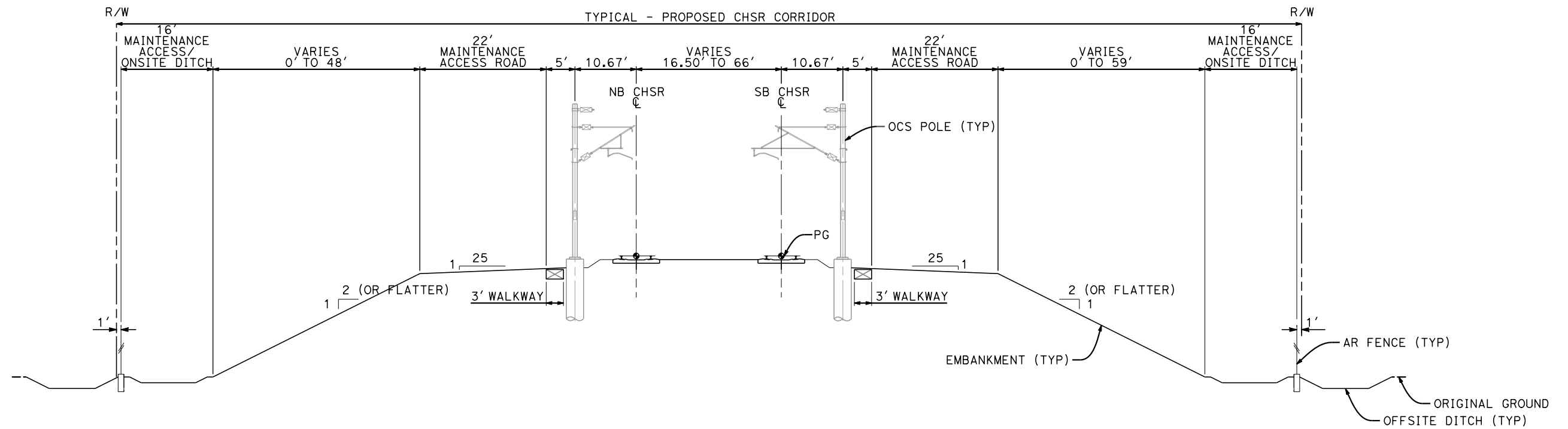
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32

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SECTION 0

STA 17776+19 TO 17787+30 (ALT 1,3,5)	STA 17805+86 TO 17840+55 (ALT 2)
STA 17788+70 TO 17841+15 (ALT 1,3,5)	STA 17855+65 TO 17904+99 (ALT 2)
STA 17856+15 TO 17900+65 (ALT 1,3,5)	STA 19788+90 TO 19798+13 (ALT 3)
STA 19739+68 TO 19757+41 (ALT 1,2,5)	STA 19801+33 TO 19809+75 (ALT 3)
STA 19758+81 TO 19793+39 (ALT 1,2,5)	STA 19820+65 TO 19842+55 (ALT 3)
STA 19796+99 TO 19805+90 (ALT 1,2,5)	STA 19845+55 TO 19862+80 (ALT 3)
STA 19818+40 TO 19858+10 (ALT 1,2,5)	STA 19865+80 TO 19871+54 (ALT 3)
STA 19861+10 TO 19878+99 (ALT 1,2,5)	STA 19877+34 TO 20004+65 (ALT 3)
STA 19883+39 TO 20007+03 (ALT 1,2,5)	

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. CARSON
DRAWN BY A. CARSON
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

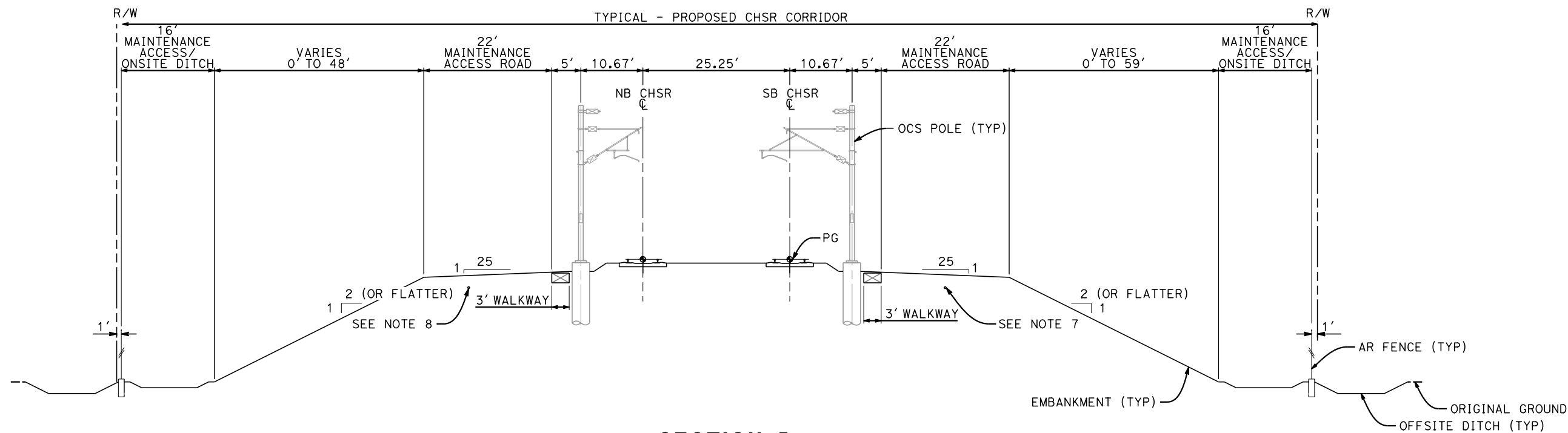
ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 9 OF 18

CONTRACT NO. HSR13-44
DRAWING NO. TT-B3009
SCALE AS SHOWN
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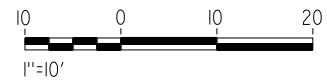


SECTION P

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 18591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00

STA 17900+65 TO 17907+00 (ALT 1,2,3,5)
STA 17982+00 TO 17987+00 (ALT 1,2,3,5)
STA 18002+00 TO 18006+00 (ALT 1,2,3,5)
STA 18064+00 TO 18076+71 (ALT 1,2,3,5)
STA 18106+61 TO 18119+00 (ALT 1,2,3,5)
STA 18143+50 TO 18153+50 (ALT 1,2,3,5)
STA 18165+00 TO 18178+00 (ALT 1,2,3,5)
STA 18221+00 TO 18239+45 (ALT 1,2,3,5)
STA 18245+25 TO 18276+00 (ALT 1,2,3,5)
STA 18426+00 TO 18437+00 (ALT 1,2,3,5)
STA 18449+50 TO 18454+00 (ALT 1,2,3,5)
STA 18457+00 TO 18463+56 (ALT 1,2,3,5)
STA 18475+16 TO 18494+23 (ALT 1,2,3,5)
STA 18497+43 TO 18519+00 (ALT 1,2,3,5)
STA 18559+00 TO 18561+10 (ALT 1,2,3,5)
STA 18575+70 TO 18594+00 (ALT 1,2,3,5)
STA 18703+53 TO 18717+05 (ALT 1,2,3,5)
STA 18746+75 TO 18753+00 (ALT 1,2,3,5)
STA 18758+00 TO 18760+50 (ALT 1,2,3,5)
STA 18763+00 TO 18780+50 (ALT 1,2,3,5)



REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 10 OF 18

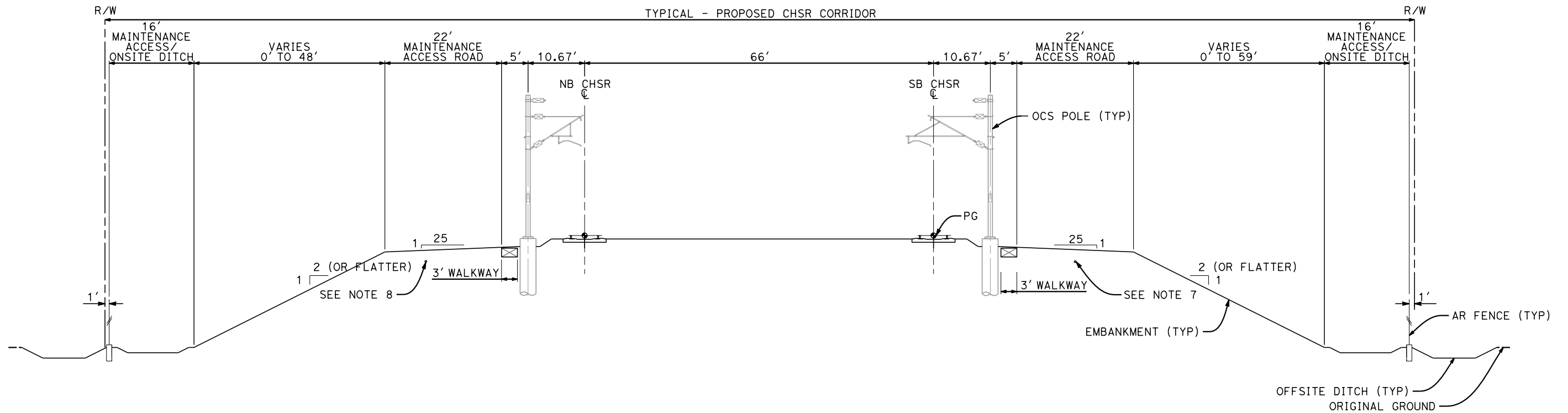
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DRAWING NO. TT-B3010
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SHEET NO. 34

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SECTION Q

- STA 19049+00 TO 19066+05 (ALT 1,2,3,5)
- STA 19068+05 TO 19087+82 (ALT 1,2,3,5)
- STA 19097+24 TO 19111+50 (ALT 1,2,3,5)
- STA 19129+60 TO 19150+86 (ALT 1,2,3,5)
- STA 19157+26 TO 19246+00 (ALT 1,2,3,5)
- STA 19453+00 TO 19458+00 (ALT 1,2,5)
- STA 19605+00 TO 19669+54 (ALT 1,2,5)
- STA 19673+24 TO 19726+37 (ALT 1,2,5)
- STA 19728+77 TO 19739+68 (ALT 1,2,5)
- STA 19456+05 TO 19465+95 (ALT 3)
- STA 19727+00 TO 19785+30 (ALT 3)

NOTES:

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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
8. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00

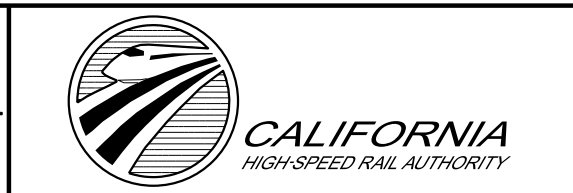


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 11 OF 18

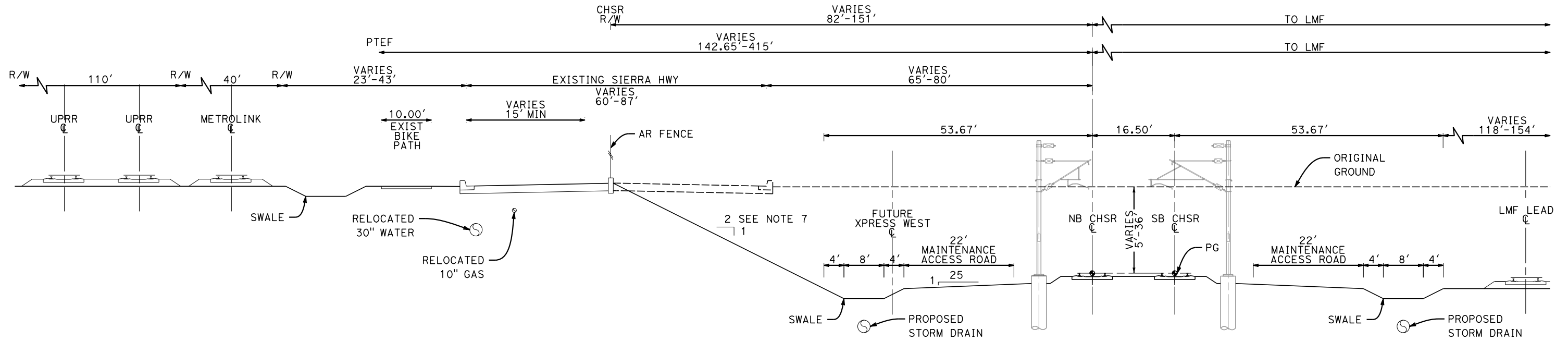
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SHEET NO. 35

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SECTION R

STA 21120+00 TO 21233+50 (ALT 1,2,3)
 STA 21204+00 TO 21233+00 (ALT 5)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 1:1 SLOPE FROM STATION 21160+00 TO 21210+00



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G. CAMPBELL
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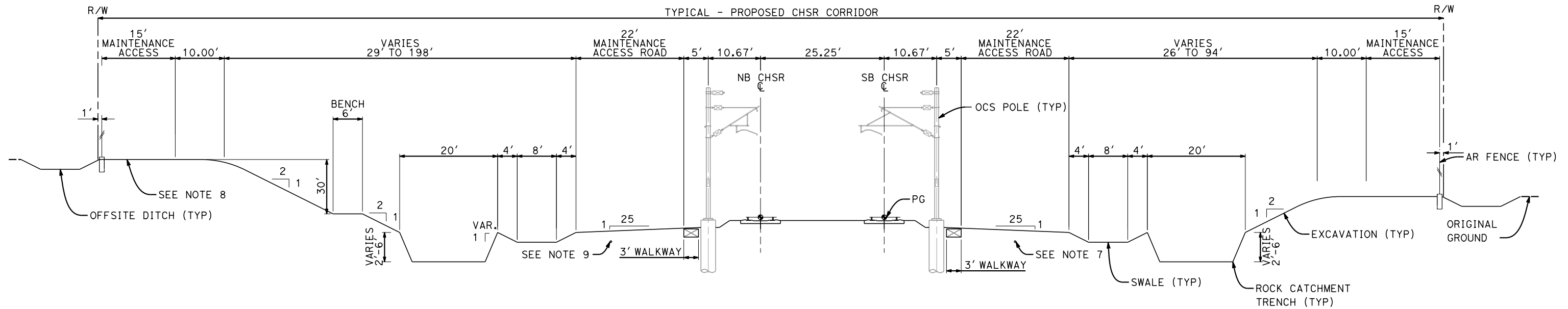
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 12 OF 18

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B3012
 SCALE
AS SHOWN
 SHEET NO.
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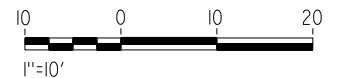


NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
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3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
8. MAINTENANCE ACCESS ROADS AT THE TOPS OF CUTS IN MOUNTAINOUS TERRAIN WILL BE INCREASED FROM 15' TO 20' WIDE. THIS APPLIES TO STA 17800+00 THROUGH 19500+00.
9. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00

SECTION S

STA 17907+00 TO 17982+00 (ALT 1,2,3,5)	STA 18437+00 TO 18449+50 (ALT 1,2,3,5)
STA 17987+00 TO 18002+00 (ALT 1,2,3,5)	STA 18454+00 TO 18457+00 (ALT 1,2,3,5)
STA 18006+00 TO 18035+00 (ALT 1,2,3,5)	STA 18519+00 TO 18522+50 (ALT 1,2,3,5)
STA 18050+00 TO 18064+00 (ALT 1,2,3,5)	STA 18540+00 TO 18559+00 (ALT 1,2,3,5)
STA 18119+00 TO 18123+70 (ALT 1,2,3,5)	STA 18594+00 TO 18602+50 (ALT 1,2,3,5)
STA 18140+00 TO 18143+50 (ALT 1,2,3,5)	STA 18655+00 TO 18700+32 (ALT 1,2,3,5)
STA 18153+50 TO 18158+34 (ALT 1,2,3,5)	STA 18753+00 TO 18758+00 (ALT 1,2,3,5)
STA 18159+54 TO 18165+00 (ALT 1,2,3,5)	STA 18760+50 TO 18763+00 (ALT 1,2,3,5)
STA 18178+00 TO 18190+00 (ALT 1,2,3,5)	STA 18780+50 TO 18828+25 (ALT 1,2,3,5)
STA 18210+00 TO 18221+00 (ALT 1,2,3,5)	STA 18874+85 TO 18894+21 (ALT 1,2,3,5)
STA 18276+00 TO 18362+50 (ALT 1,2,3,5)	
STA 18422+50 TO 18426+00 (ALT 1,2,3,5)	

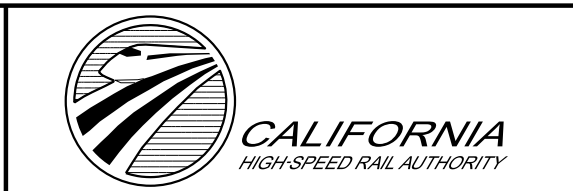


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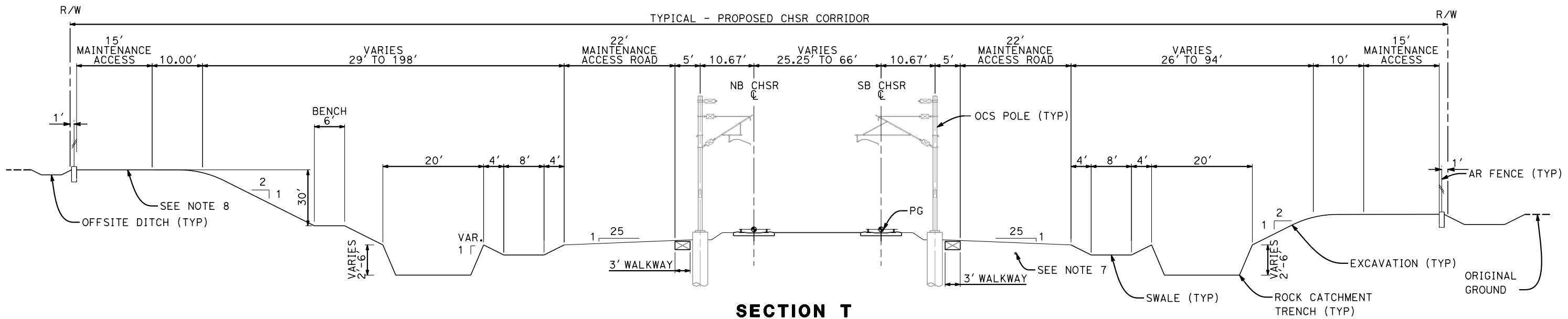


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 13 OF 18

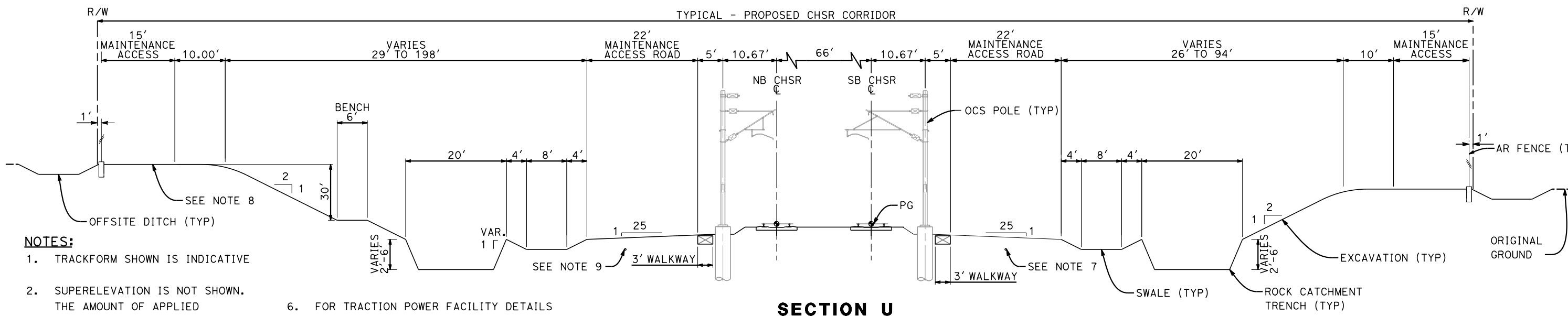
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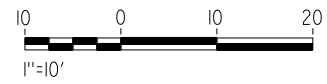
STA 18894+21 TO 18927+50 (ALT 1,2,3,5)



SECTION U

STA 19009+50 TO 19049+00 (ALT 1,2,3,5)
 STA 19246+00 TO 19271+45 (ALT 1,2,3,5)
 STA 19275+85 TO 19284+00 (ALT 1,2,3,5)
 STA 19425+00 TO 19453+00 (ALT 1,2,5)
 STA 19473+50 TO 19495+00 (ALT 1,2,5)
 STA 19590+00 TO 19605+00 (ALT 1,2,5)
 STA 19425+00 TO 19452+65 (ALT 3)
 STA 19470+80 TO 19480+00 (ALT 3)
 STA 19687+50 TO 19727+00 (ALT 3)

- NOTES:**
1. TRACKFORM SHOWN IS INDICATIVE
 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
 3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
 4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
 5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
 6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
 7. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
 8. MAINTENANCE ACCESS ROADS AT THE TOPS OF CUTS IN MOUNTAINOUS TERRAIN WILL BE INCREASED FROM 15' TO 20' WIDE. THIS APPLIES TO STA 17800+00 THROUGH 19500+00.
 9. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



REV	DATE	BY	CHK	APP	DESCRIPTION

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A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 14 OF 18

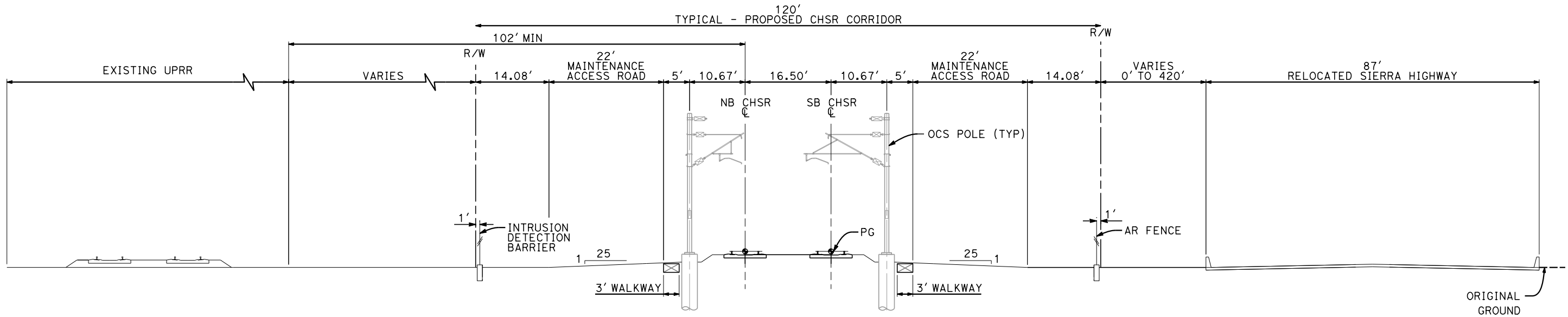
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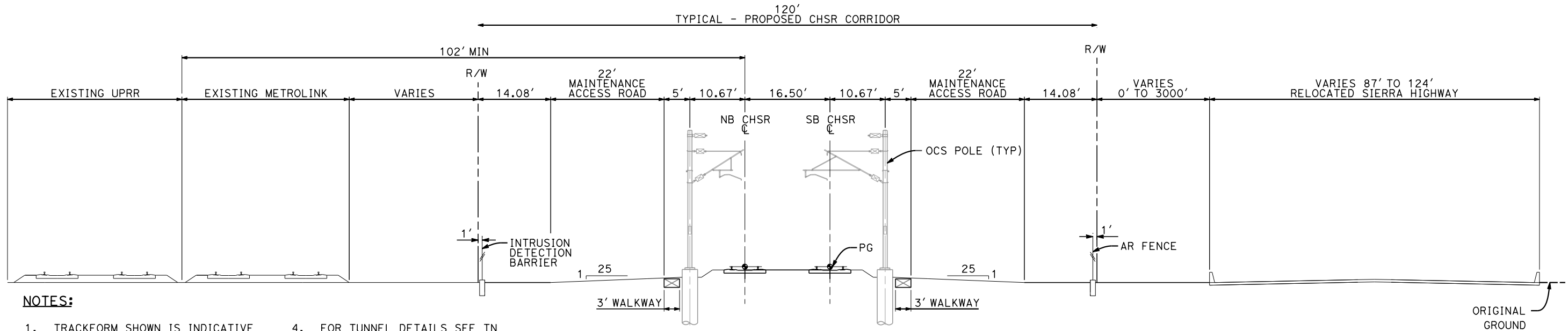
1/20/2021

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SECTION V

STA 20804+00 TO 20934+45 (ALT 5)



SECTION W

STA 21049+00 TO 21120+00 (ALT 1,2,3)
 STA 20935+53 TO 21112+00 (ALT 5)

NOTES:

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5. FOR MAINTENANCE FACILITY DETAILS SEE MY TYPICAL SECTIONS
6. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS



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A. CARSON
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G. CAMPBELL
 DATE
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 15 OF 18

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3015

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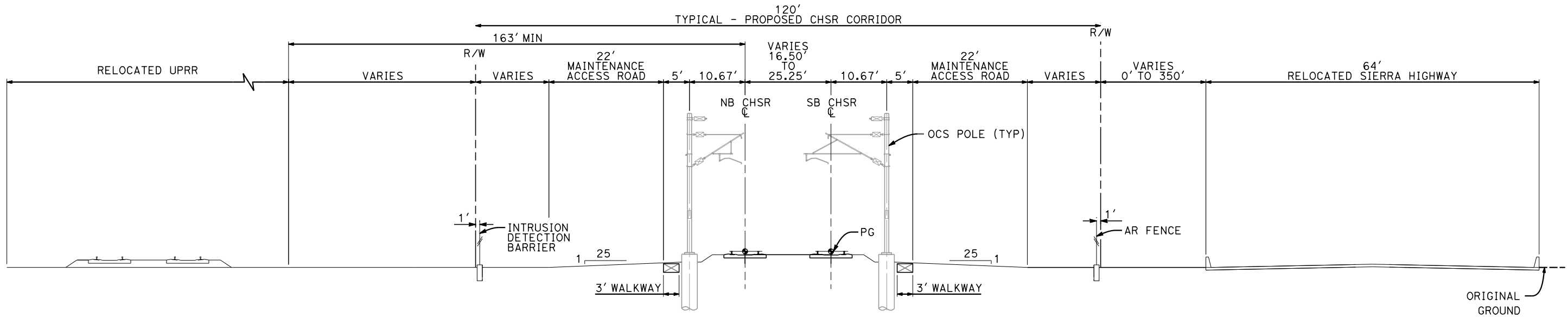
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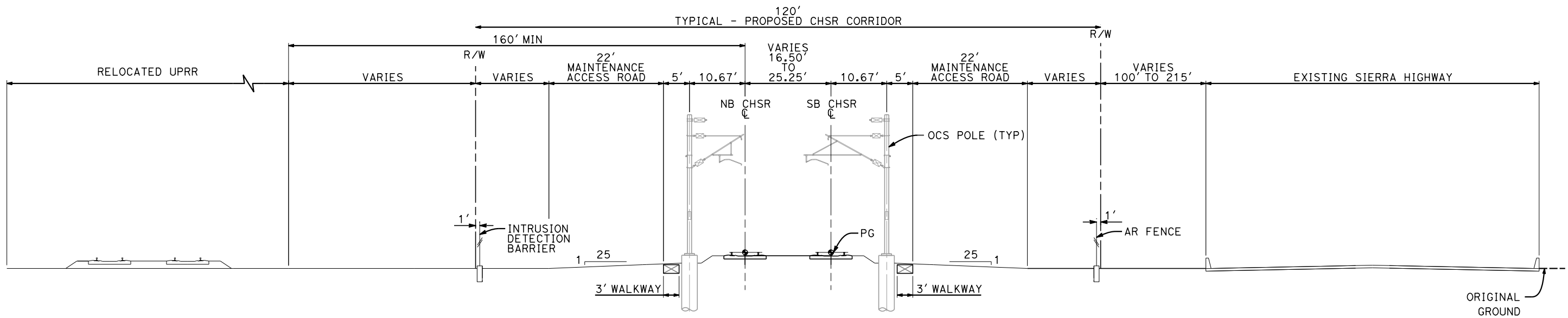
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SECTION X

STA 20818+00+00 TO 20858+00 (ALT 1,2,3)



SECTION Y

STA 20858+00 TO 20914+80 (ALT 1,2,3)
 STA 20915+85 TO 20916+00 (ALT 1,2,3)

NOTES:

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 16 OF 18

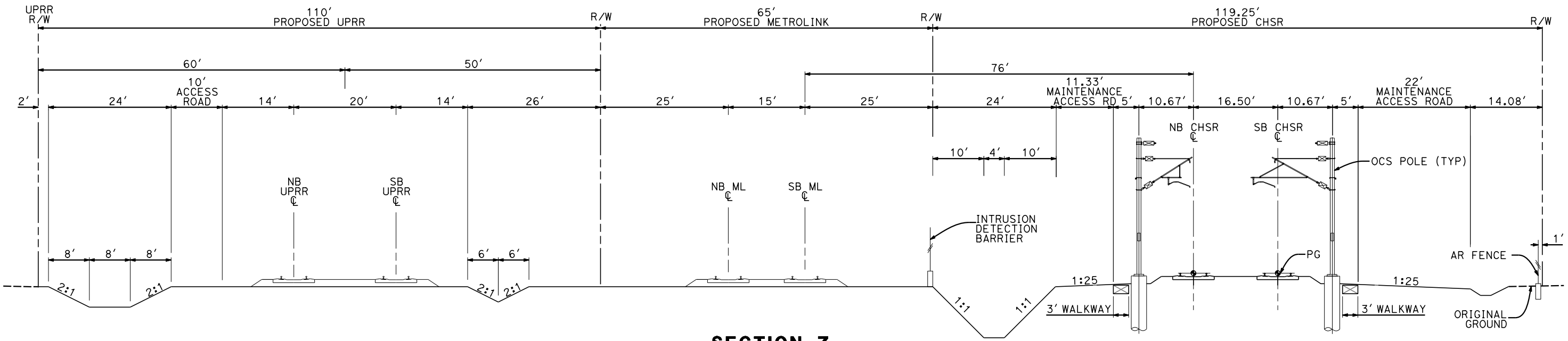
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HSR13-44

DRAWING NO.
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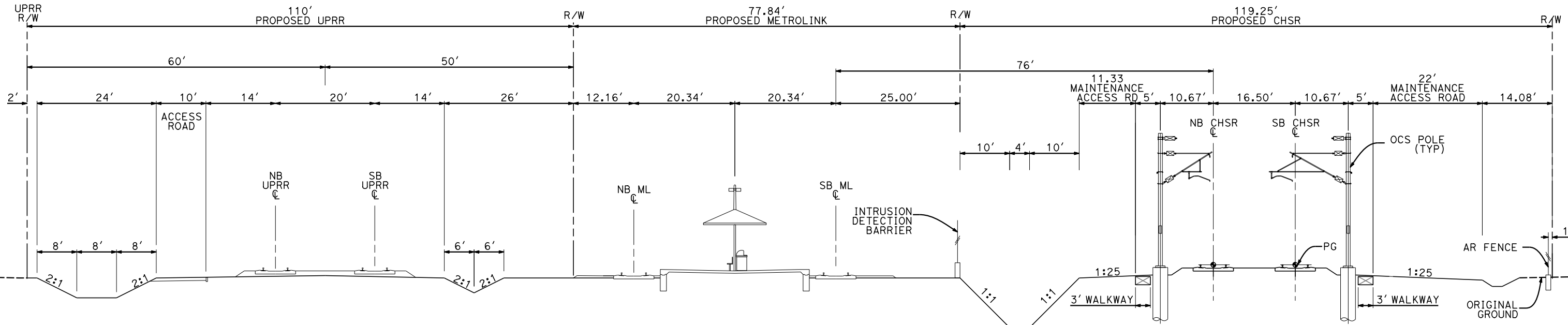
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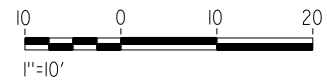
SECTION Z
 STA 20948+00 TO 21049+00 (ALT 1,2,3)



SECTION AA
 STA 20916+00 TO 20934+91 (ALT 1,2,3)
 STA 20935+99 TO 20948+00 (ALT 1,2,3)

NOTES:

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G. CAMPBELL
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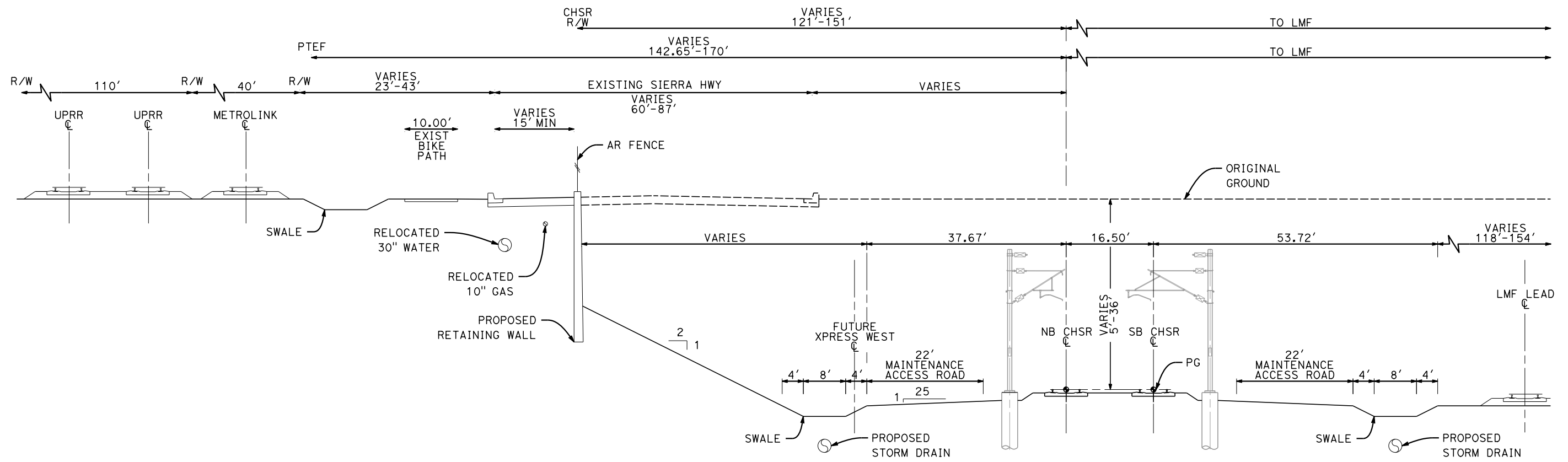
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CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 17 OF 18

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B3017
 SCALE
AS SHOWN
 SHEET NO.
41

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SECTION AB

STA 21112+00 TO 21204+00 (ALT 5)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
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CHECKED BY
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IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
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SUBMITTAL**

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

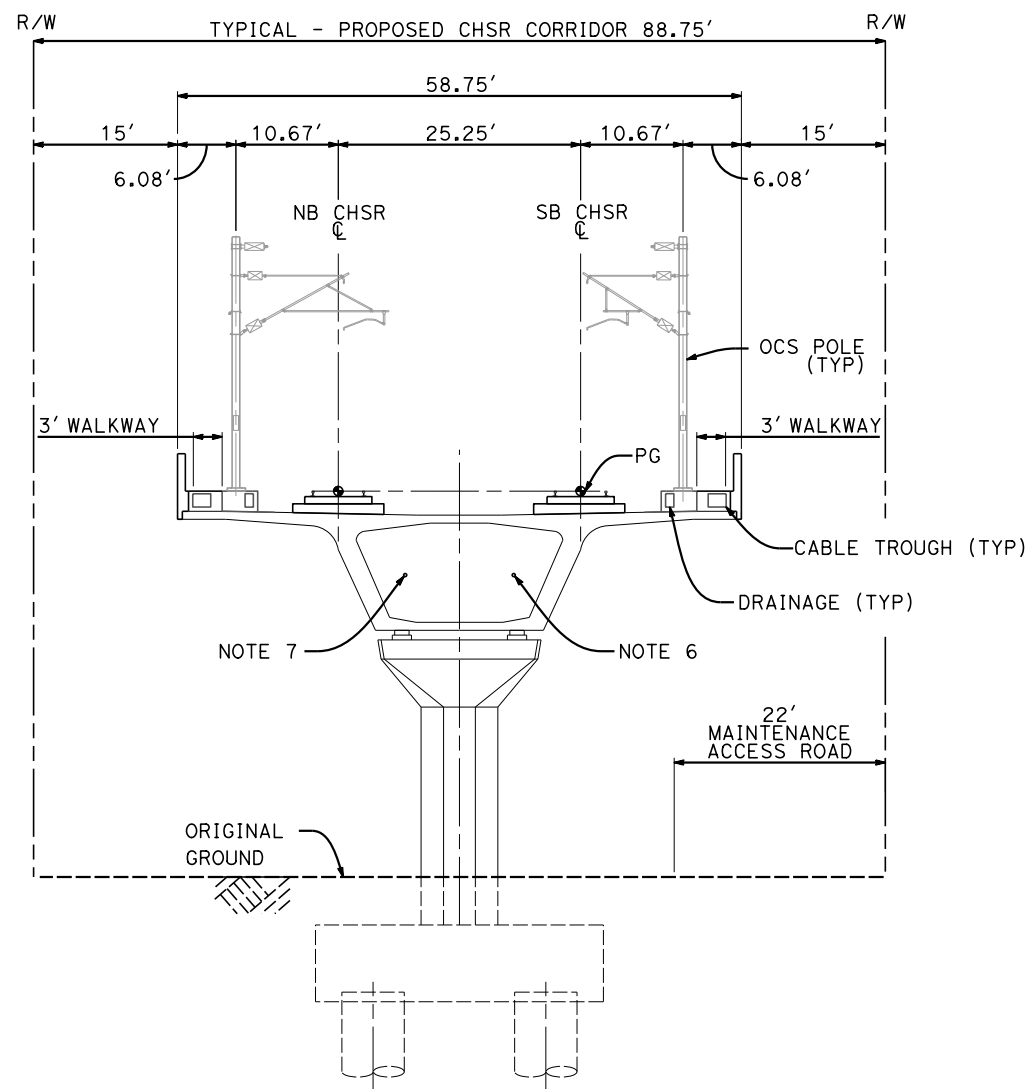
ALTERNATIVE 1,2,3,5
GENERAL
TYPICAL SECTIONS
SHEET 18 OF 18

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3018

SCALE
AS SHOWN

SHEET NO.
42

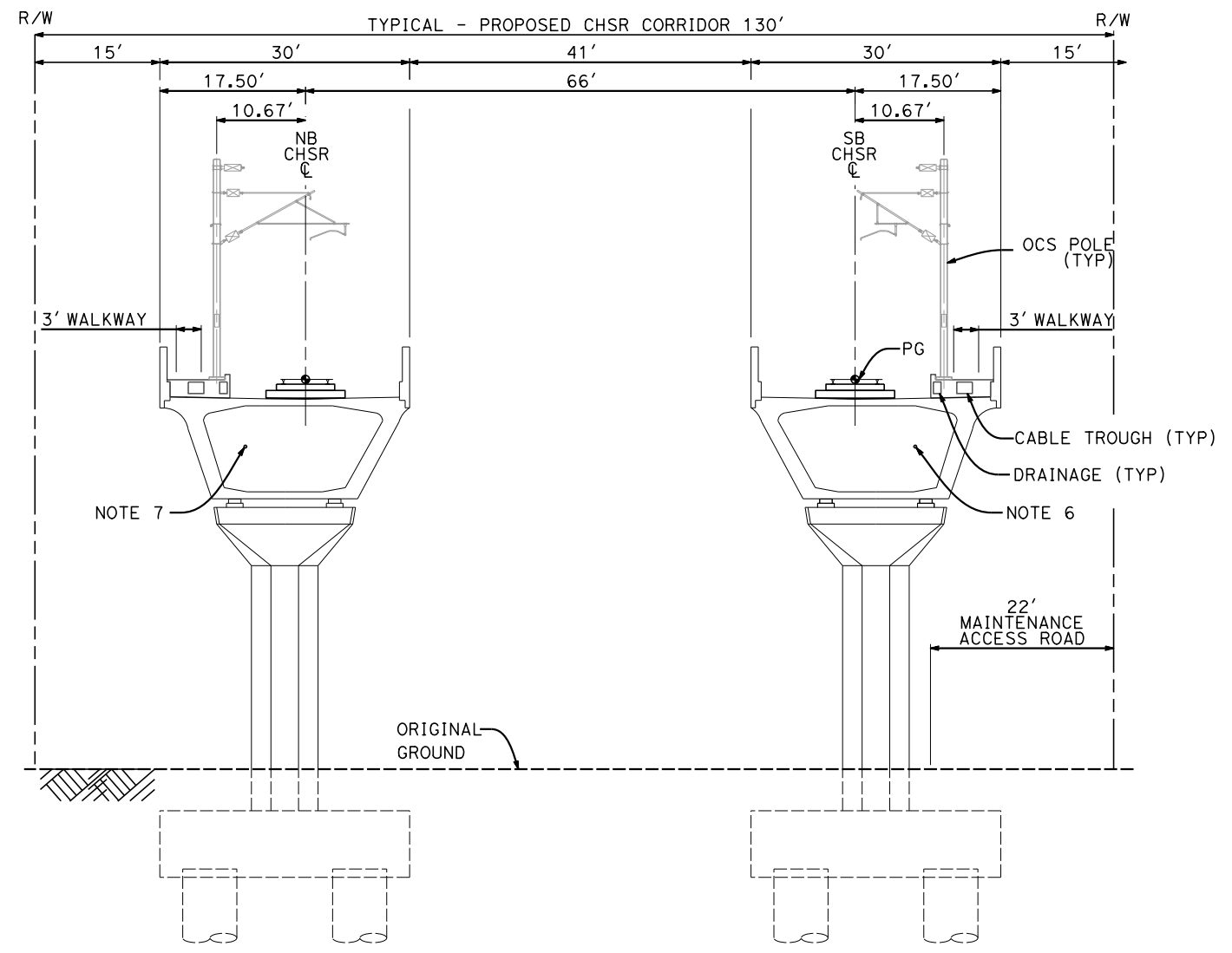


SECTION C

STA 18465+50 TO 18475+65 (REFINED CCNM)
 STA 18491+62 TO 18493+45 (REFINED CCNM)
 STA 18597+24 TO 18603+56 (REFINED CCNM)
 STA 18744+33 TO 18746+98 (REFINED CCNM)
 STA 18838+59 TO 18850+78 (REFINED CCNM)
 STA 18853+14 TO 18884+25 (REFINED CCNM)

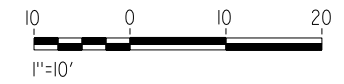
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" CHSR WATERLINE FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



SECTION D

STA 19075+84 TO 19077+84 (REFINED CCNM)
 STA 19097+53 TO 19104+40 (REFINED CCNM)



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6:24:34 AM

1/20/2021

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DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 TRACK GENERAL
 TYPICAL SECTIONS
 SHEET 1 OF 10

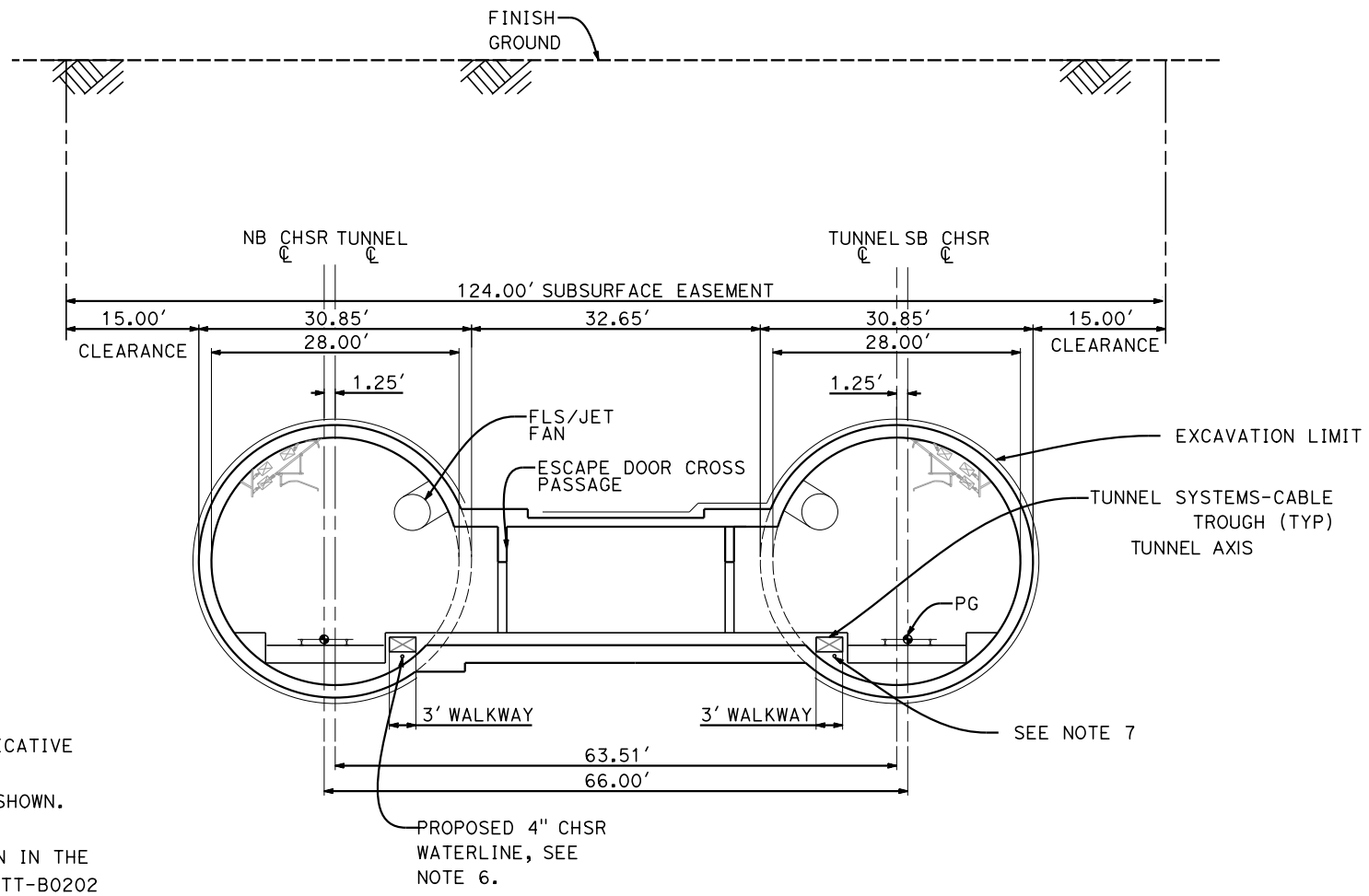
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B3201
 SCALE
AS SHOWN
 SHEET NO.
43

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3202

6:28:54 AM

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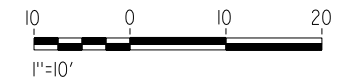
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00

SECTION G

TWIN TUNNEL - TUNNEL BORING MACHINE

STA 18940+84 TO 19019+33 (REFINED CCNM)



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A. CARSON
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A. CARSON
CHECKED BY
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IN CHARGE
G. CAMPBELL
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 2 OF 10

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B3202
SCALE
AS SHOWN
SHEET NO.
44

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3203

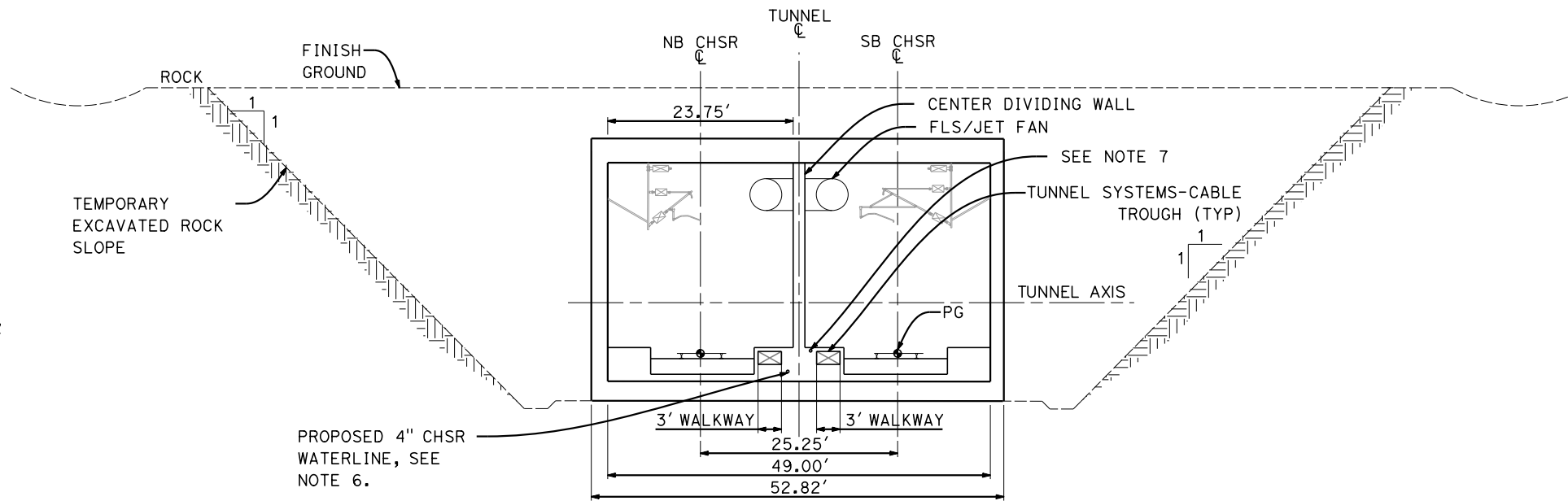
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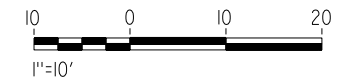
jcs_user_17609

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



SECTION H
 SINGLE TUNNEL - CUT AND COVER
 STA 18362+50 TO 18368+50 (REFINED CCNM)



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A. CARSON
 CHECKED BY
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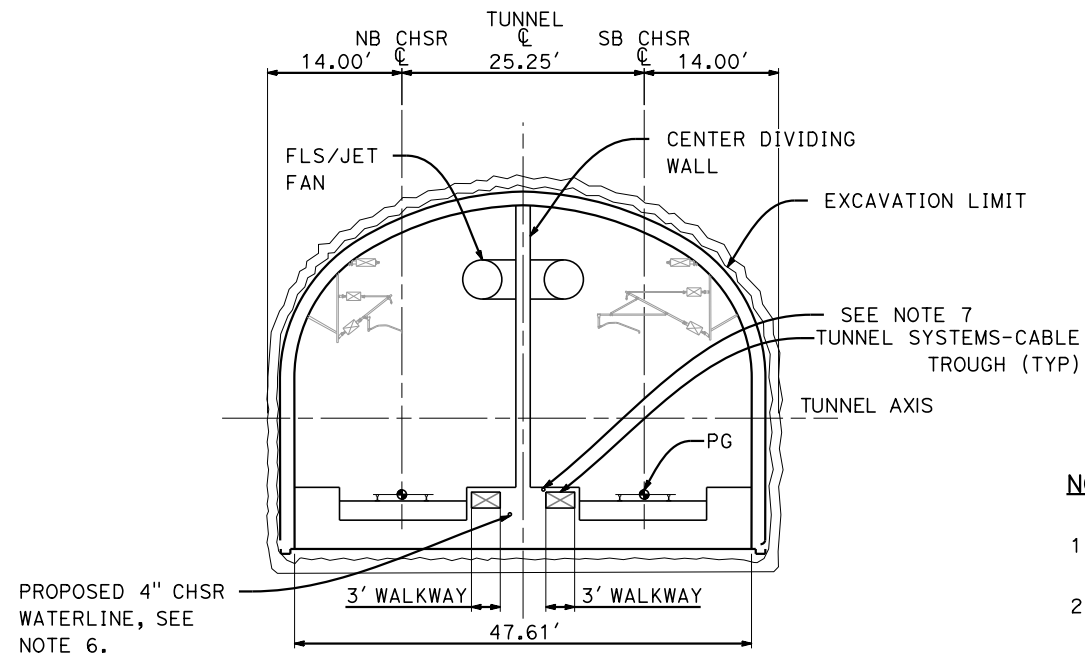
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 TRACK GENERAL
 TYPICAL SECTIONS
 SHEET 3 OF 10

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3203

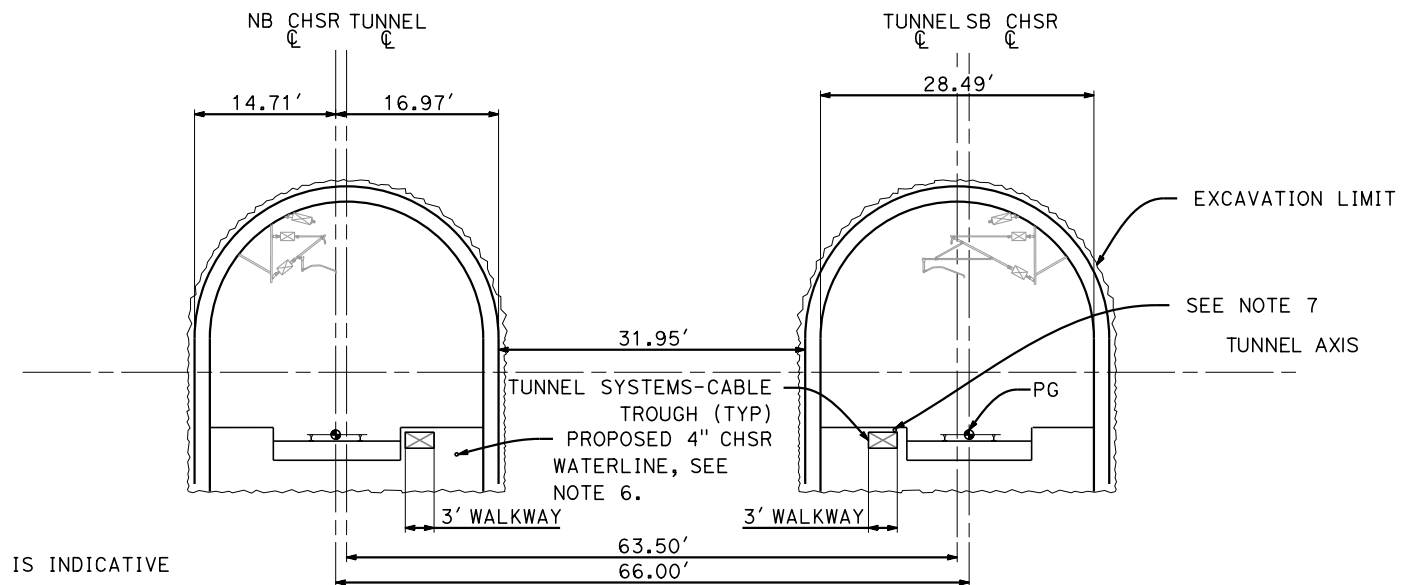
SCALE
AS SHOWN

SHEET NO.
45



SECTION J
SINGLE TUNNEL - DRILL AND BLAST

STA 18368+50 TO 18422+90 (REFINED CCNM)
STA 18524+76 TO 18566+93 (REFINED CCNM)
STA 18617+53 TO 18706+84 (REFINED CCNM)

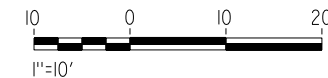


SECTION K
TWIN TUNNEL - DRILL AND BLAST

STA 18930+70 TO 18940+84 (REFINED CCNM)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



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DESIGNED BY A. CARSON
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CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 4 OF 10

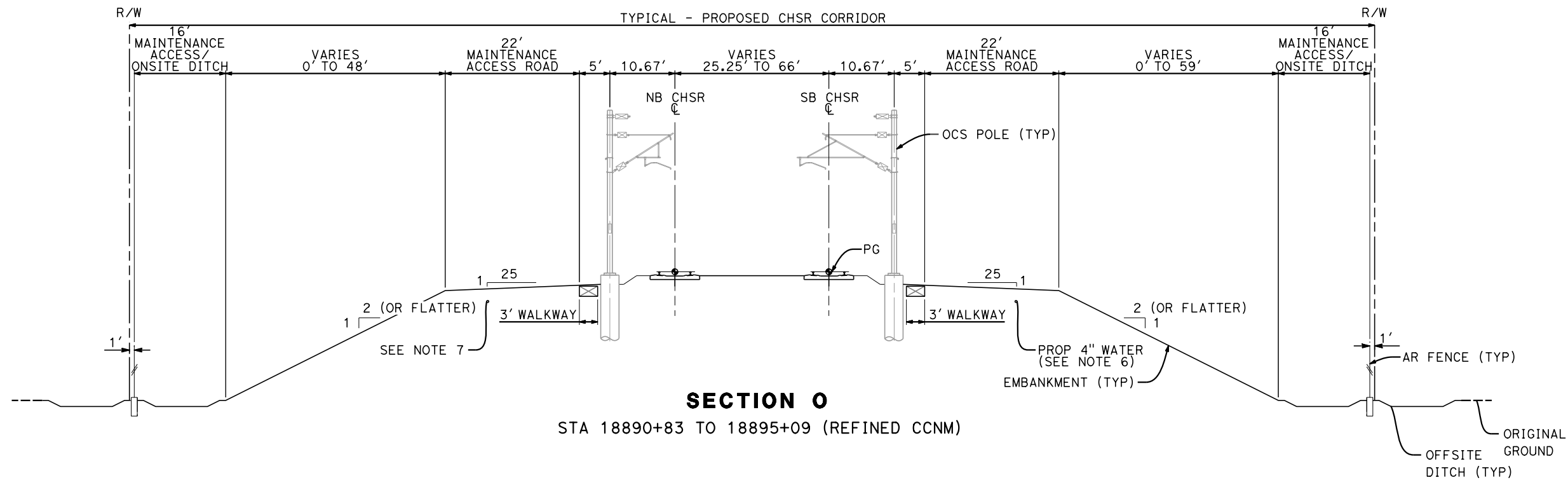
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DRAWING NO. TT-B3204
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SHEET NO. 46

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3205

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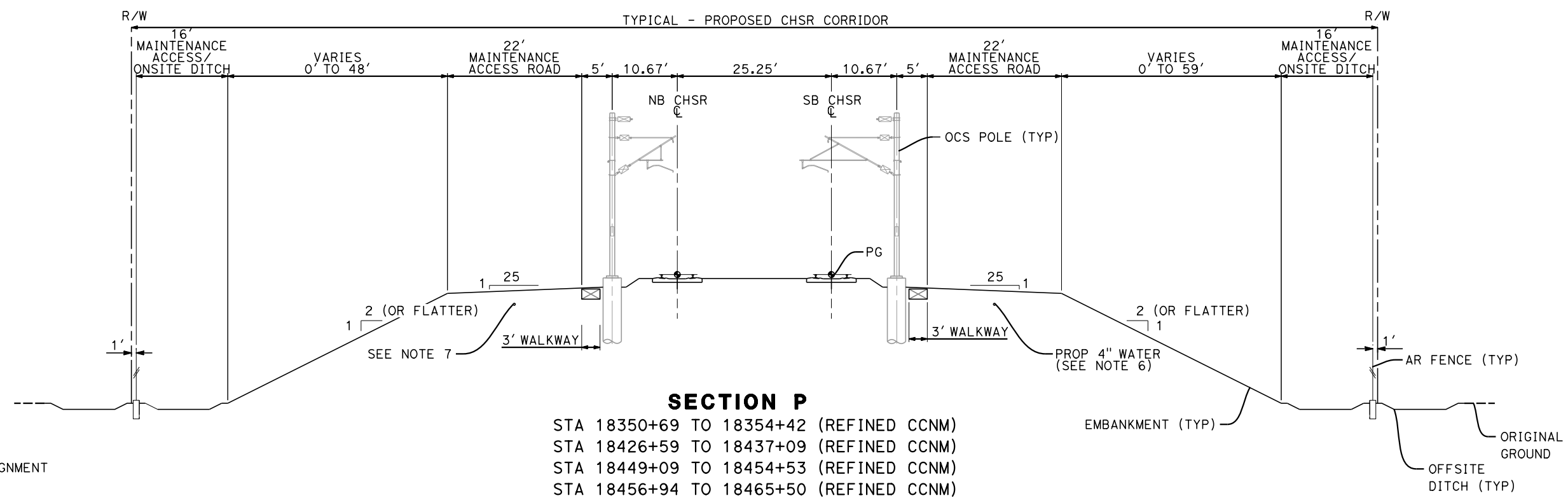
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SECTION O

STA 18890+83 TO 18895+09 (REFINED CCNM)

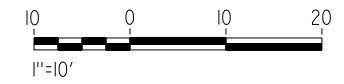


SECTION P

- STA 18350+69 TO 18354+42 (REFINED CCNM)
- STA 18426+59 TO 18437+09 (REFINED CCNM)
- STA 18449+09 TO 18454+53 (REFINED CCNM)
- STA 18456+94 TO 18465+50 (REFINED CCNM)
- STA 18475+65 TO 18477+49 (REFINED CCNM)
- STA 18486+94 TO 18491+62 (REFINED CCNM)
- STA 18493+45 TO 18495+00 (REFINED CCNM)
- STA 18584+81 TO 18597+24 (REFINED CCNM)
- STA 18738+45 TO 18744+33 (REFINED CCNM)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY S. LANDOLT
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 5 OF 10

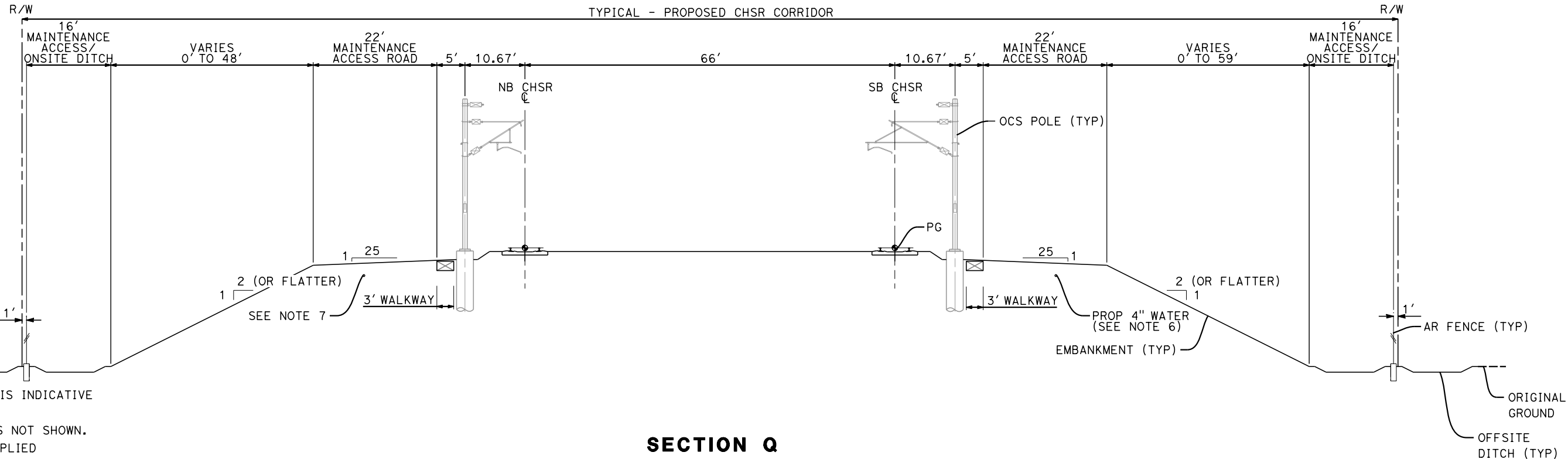
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DRAWING NO. TT-B3205
SCALE AS SHOWN
SHEET NO. 47

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3206

6:24:46 AM

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SECTION Q

STA 19058+90 TO 19075+84 (REFINED CCNM)
 STA 19077+84 TO 19097+53 (REFINED CCNM)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



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CHECKED BY
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IN CHARGE
G. CAMPBELL

DATE
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 TRACK GENERAL
 TYPICAL SECTIONS
 SHEET 6 OF 10

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3206

SCALE
AS SHOWN

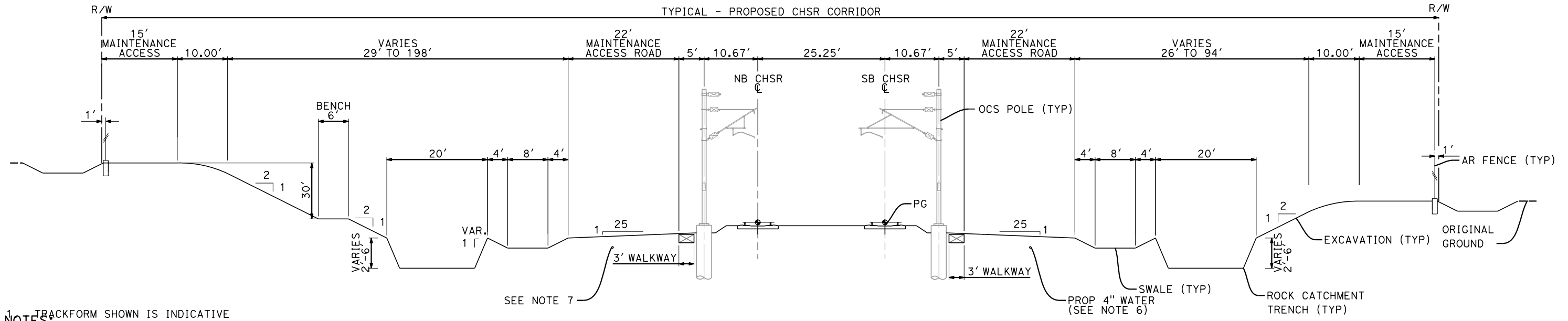
SHEET NO.
48

Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3207

6:29:04 AM

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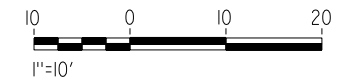


1. TRACKFORM SHOWN IS INDICATIVE

- NOTES:**
- SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
 - FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
 - FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
 - FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
 - PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
 - PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00

SECTION S

- STA 18307+67 TO 18350+69 (REFINED CCNM)
- STA 18354+42 TO 18362+50 (REFINED CCNM)
- STA 18422+90 TO 18426+59 (REFINED CCNM)
- STA 18437+09 TO 18449+09 (REFINED CCNM)
- STA 18454+53 TO 18456+94 (REFINED CCNM)
- STA 18477+49 TO 18486+94 (REFINED CCNM)
- STA 18495+00 TO 18524+76 (REFINED CCNM)
- STA 18566+93 TO 18584+81 (REFINED CCNM)
- STA 18603+56 TO 18617+53 (REFINED CCNM)
- STA 18706+84 TO 18738+45 (REFINED CCNM)
- STA 18813+16 TO 18838+59 (REFINED CCNM)
- STA 18884+25 TO 18890+83 (REFINED CCNM)



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G. CAMPBELL
DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 7 OF 10

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-B3207

SCALE
AS SHOWN

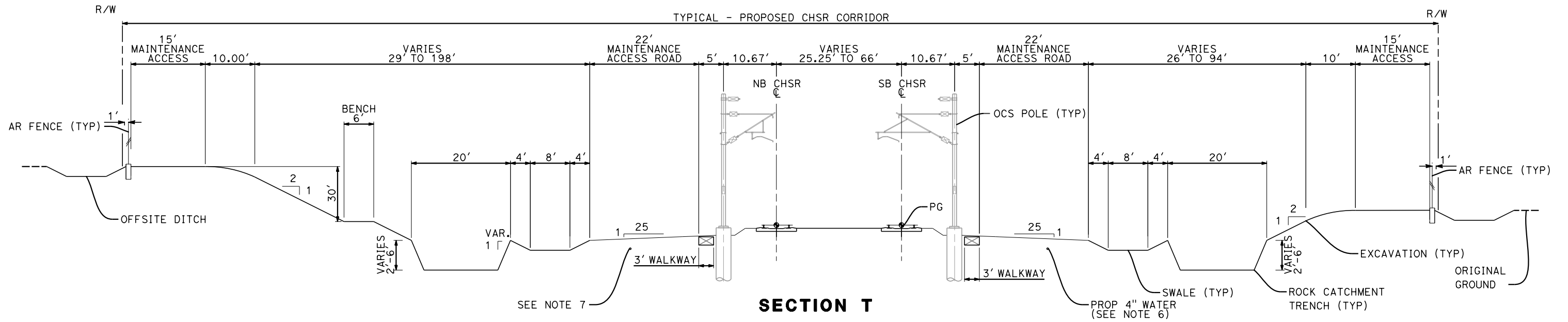
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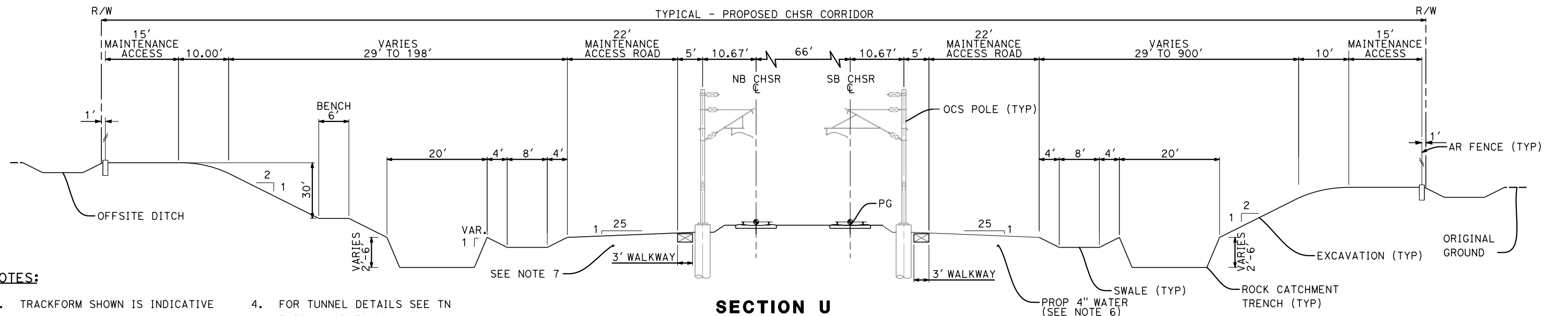
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1/20/2021

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SECTION T
STA 18895+09 TO 18930+70 (REFINED CCNM)



SECTION U
STA 19019+33 TO 19058+90 (REFINED CCNM)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



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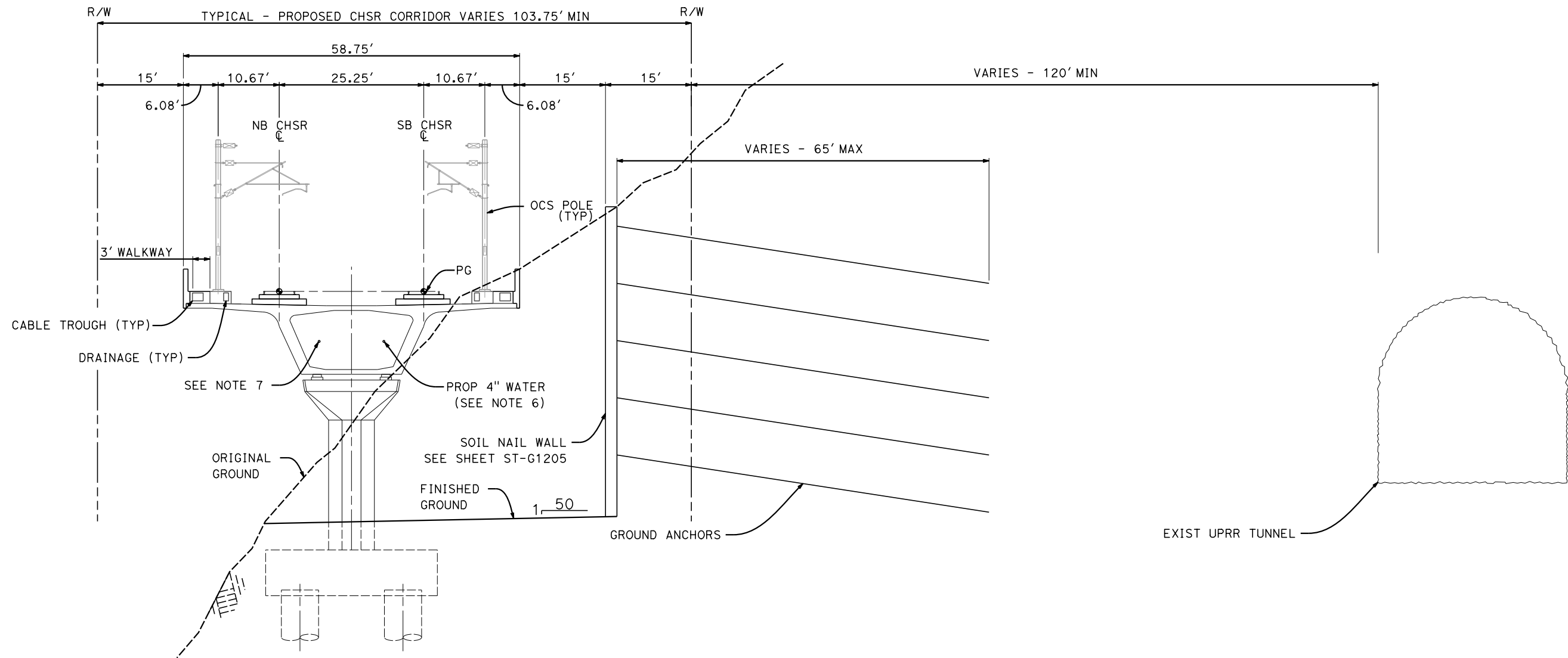
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 8 OF 10

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B3208
SCALE
AS SHOWN
SHEET NO.
50

Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3209

1/20/2021 6:31:34 AM

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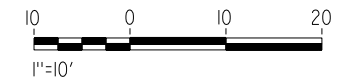


SECTION AC

STA 18850+78 to 18853+14 (REFINED CCNM)

NOTES:

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
- 3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
- 4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
- 5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
- 6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00
- 7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00



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DESIGNED BY
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DATE
01/29/2021

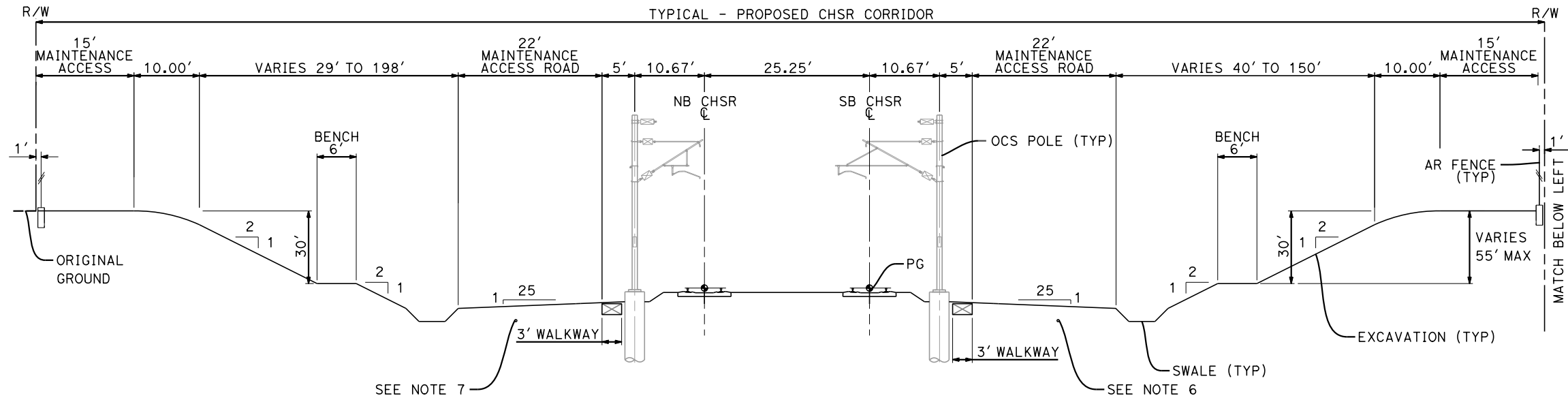
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 9 OF 10

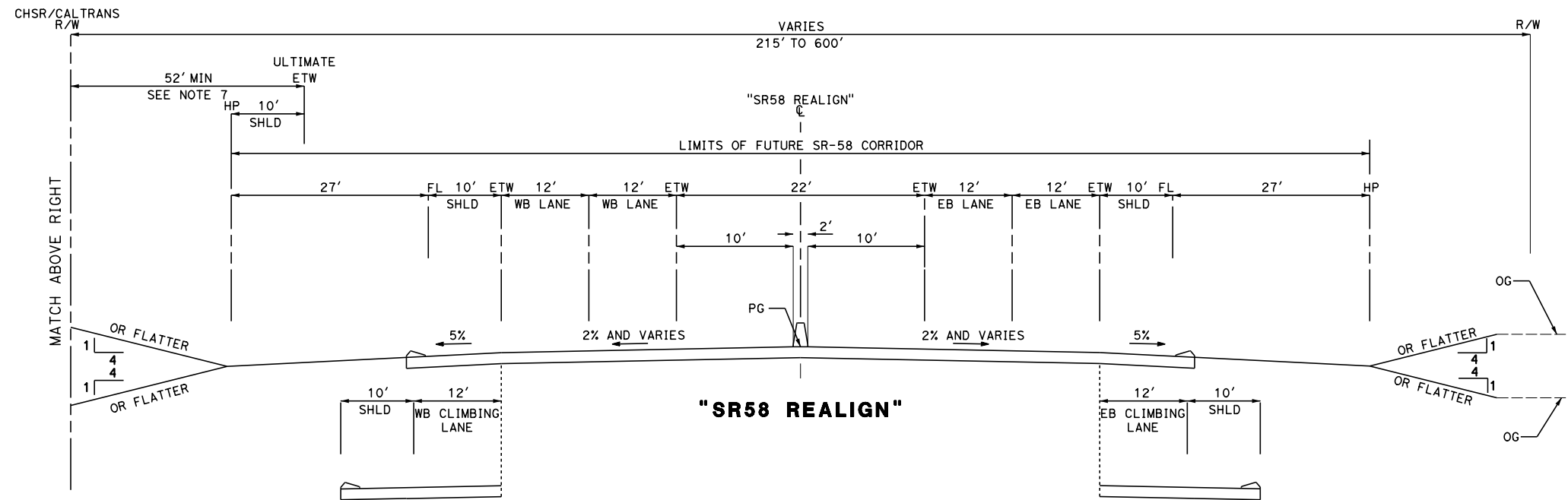
CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B3209
SCALE
AS SHOWN
SHEET NO.
51



SECTION AD
STA 18746+98 TO 18813+16 (REFINED CCNM)

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES ON SHEET TT-B0202
3. FOR STRUCTURAL DIMENSIONS SEE ST TYPICAL SECTIONS
4. FOR TUNNEL DETAILS SEE TN TYPICAL SECTIONS
5. FOR TRACTION POWER FACILITY DETAILS SEE TP TYPICAL SECTIONS
6. PROPOSED 4" WATER LINE PARALLELS ALIGNMENT FROM STATION 18034+00 TO 19591+00.
7. PROPOSED ELECTRIC SERVICE FROM STATION 18034+00 TO 19591+00.
8. A MINIMUM HORIZONTAL CLEARANCE OF 52 FEET IS PROVIDED FROM THE PLANNED ULTIMATE EDGE OF THE TRAVEL WAY (ETW) TO THE HIGH SPEED RAIL CORRIDOR IN ACCORDANCE WITH THE CALTRANS HIGHWAY DESIGN MANUAL.



NOTE (THIS SECTION ONLY):
GRADING SHALL BE 2:1 OR FLATTER
FROM STATION 110+05 TO 132+89 AND
FROM STATION 177+14 TO 189+00



Projects\701206.00_CADD\CCNM Option D\Sheets\TT\BP-TT-B3210

6:25:01 AM

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G. CAMPBELL
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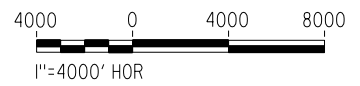
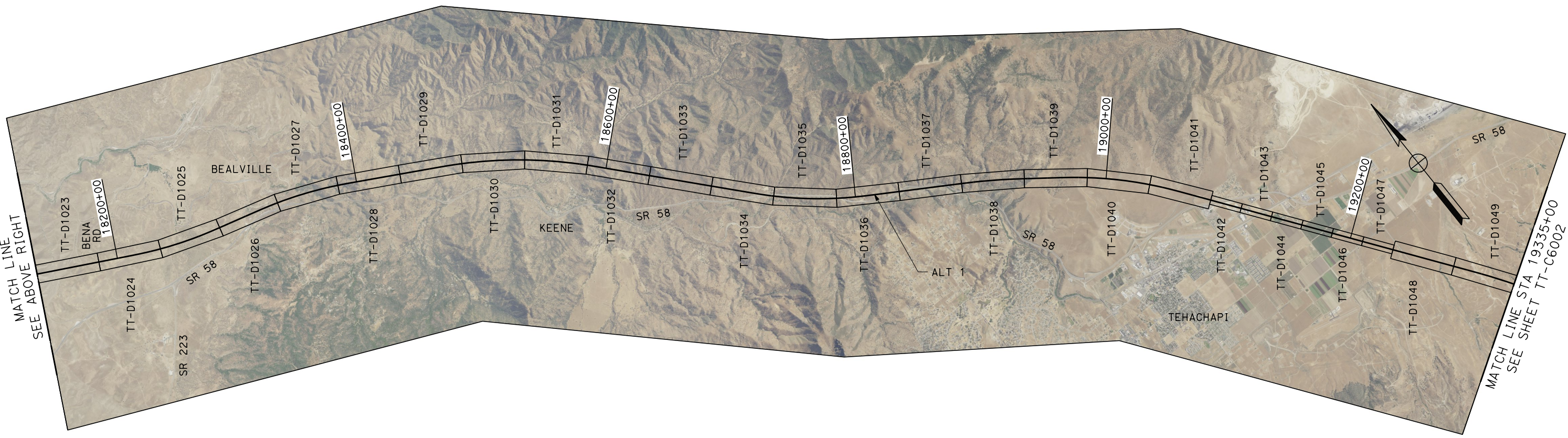
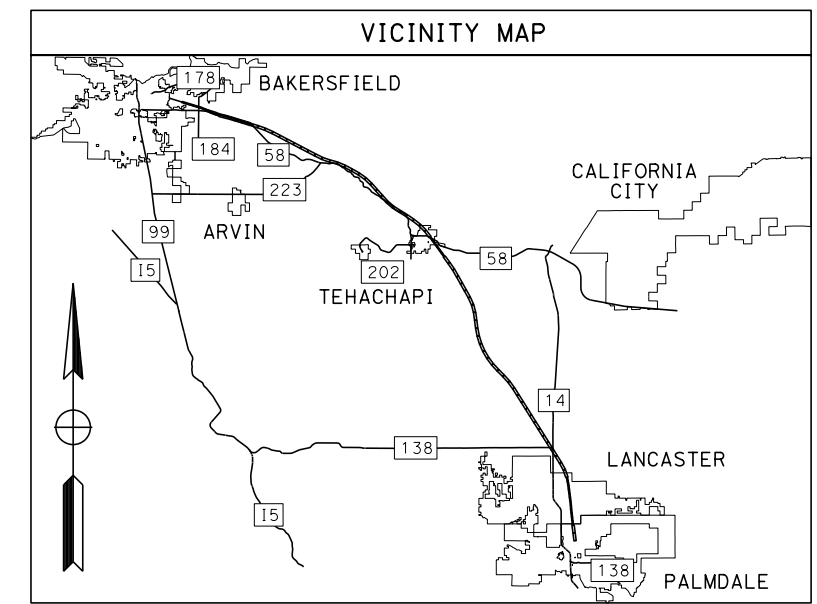
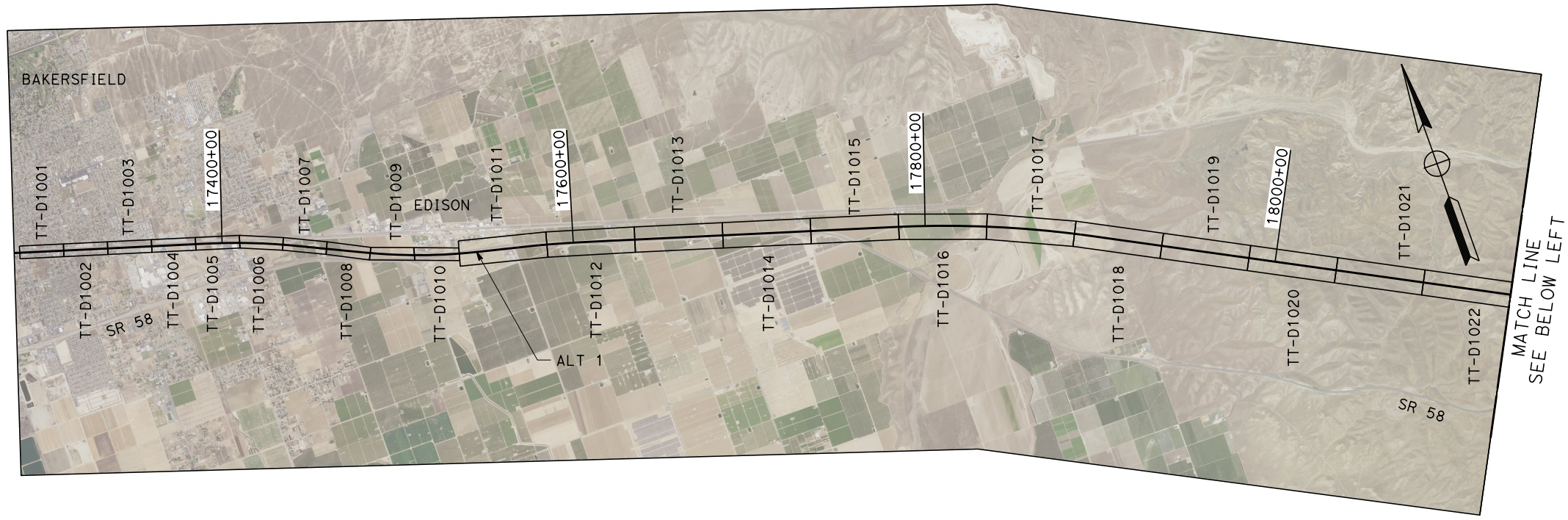
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
TRACK GENERAL
TYPICAL SECTIONS
SHEET 10 OF 10

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B3210
SCALE
AS SHOWN
SHEET NO.
52

ALTERNATIVE 1



Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\TT\BP-TT-C6001

5:48:02 AM

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DESIGNED BY
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A. CARSON
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IN CHARGE
G. CAMPBELL
DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1
GENERAL
KEY MAP
SHEET 1 OF 2

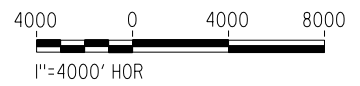
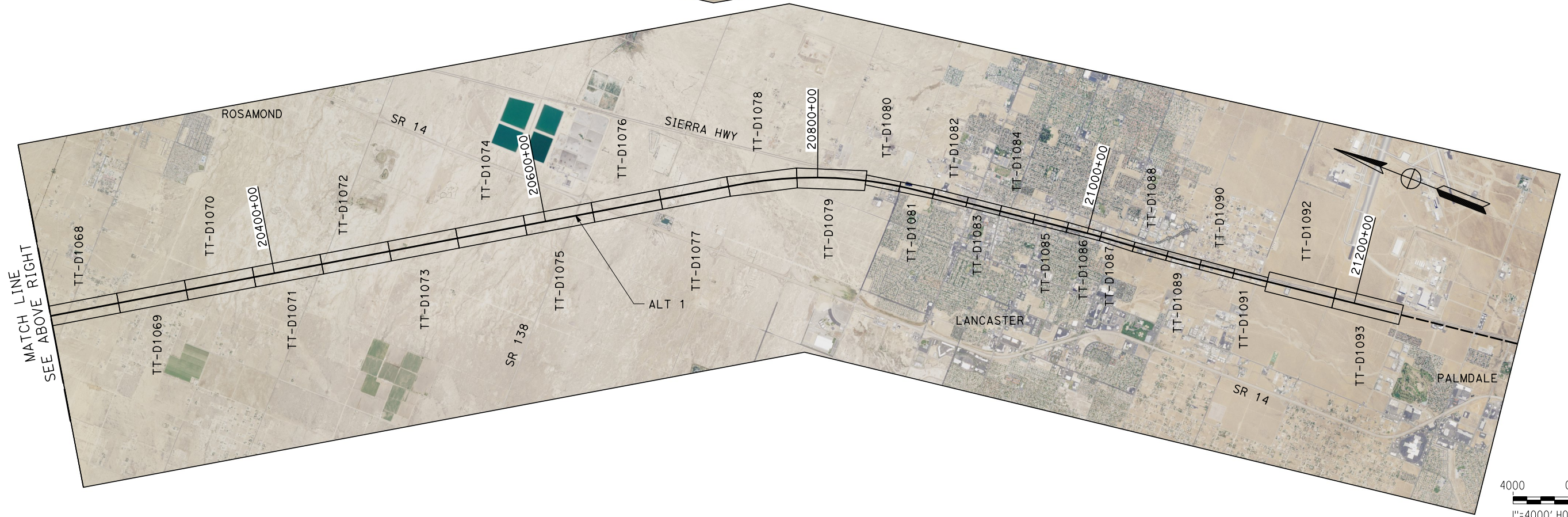
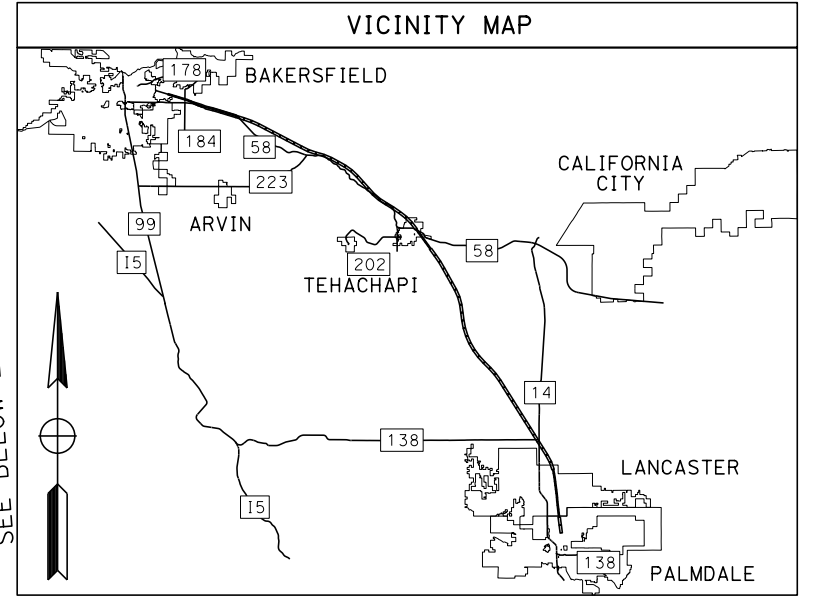
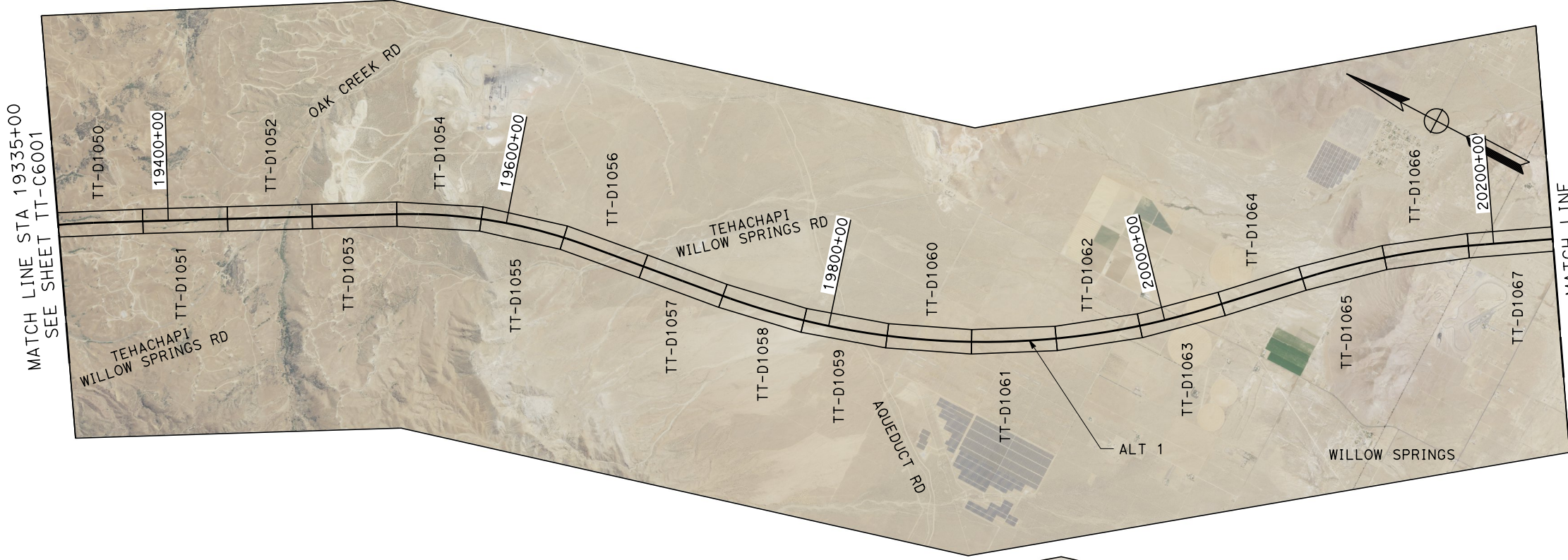
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HSR13-44
DRAWING NO.
TT-C6001
SCALE
AS SHOWN
SHEET NO.
53

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1/20/2021 5:43:07 AM

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ALTERNATIVE 1



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DESIGNED BY
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DRAWN BY
A. CARSON
CHECKED BY
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IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 1
GENERAL
KEY MAP
SHEET 2 OF 2

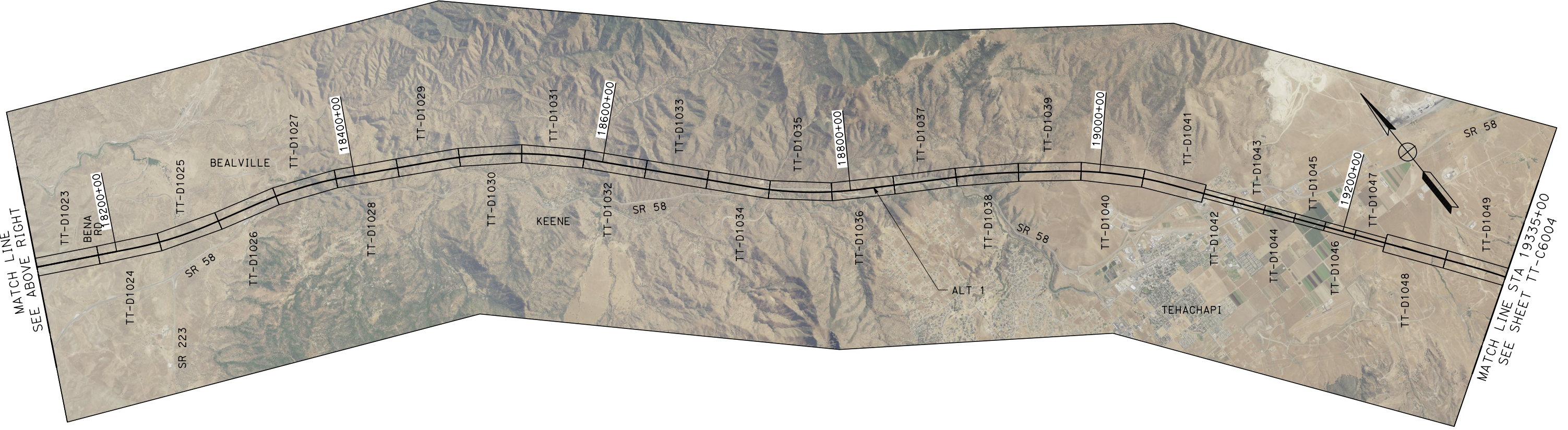
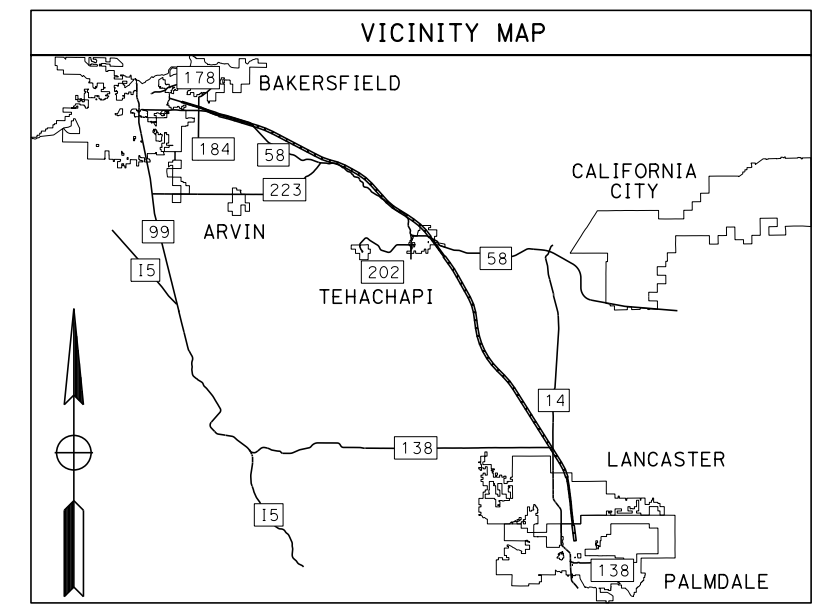
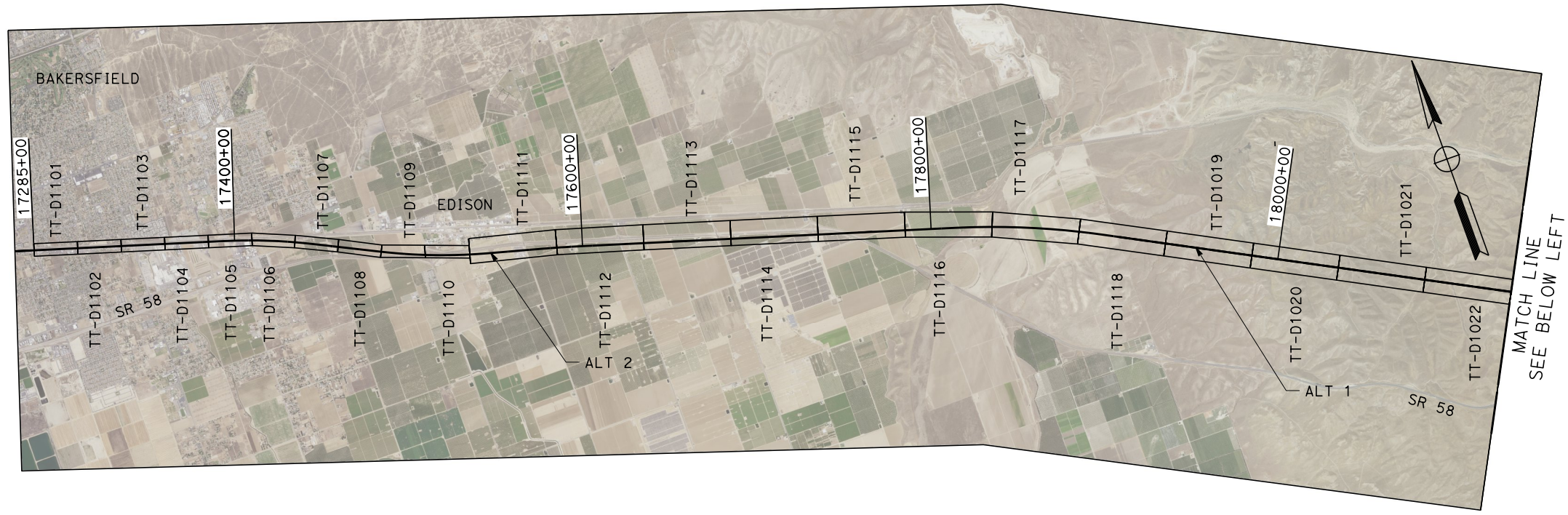
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HSR13-44
DRAWING NO.
TT-C6002
SCALE
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SHEET NO.
54

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1/20/2021 5:39:07 AM

_ics_user_17609

ALTERNATIVE 2



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION

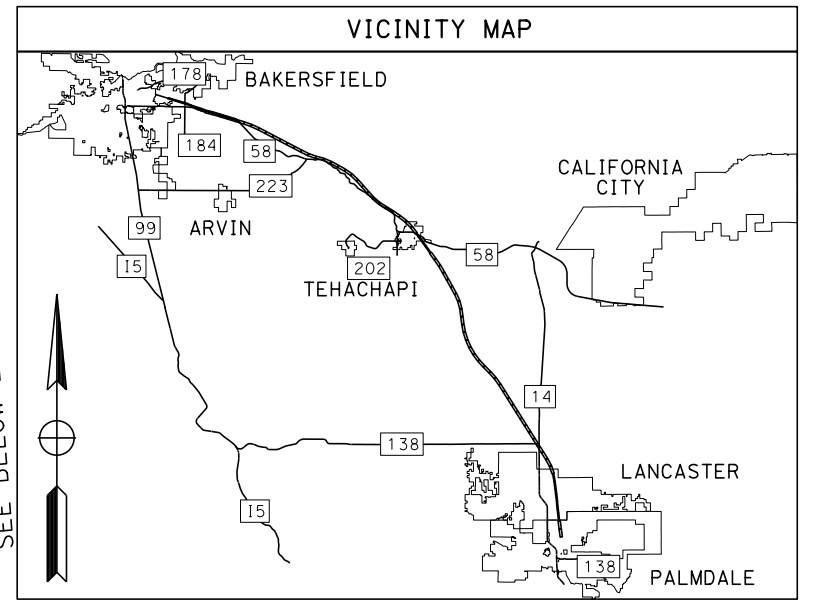
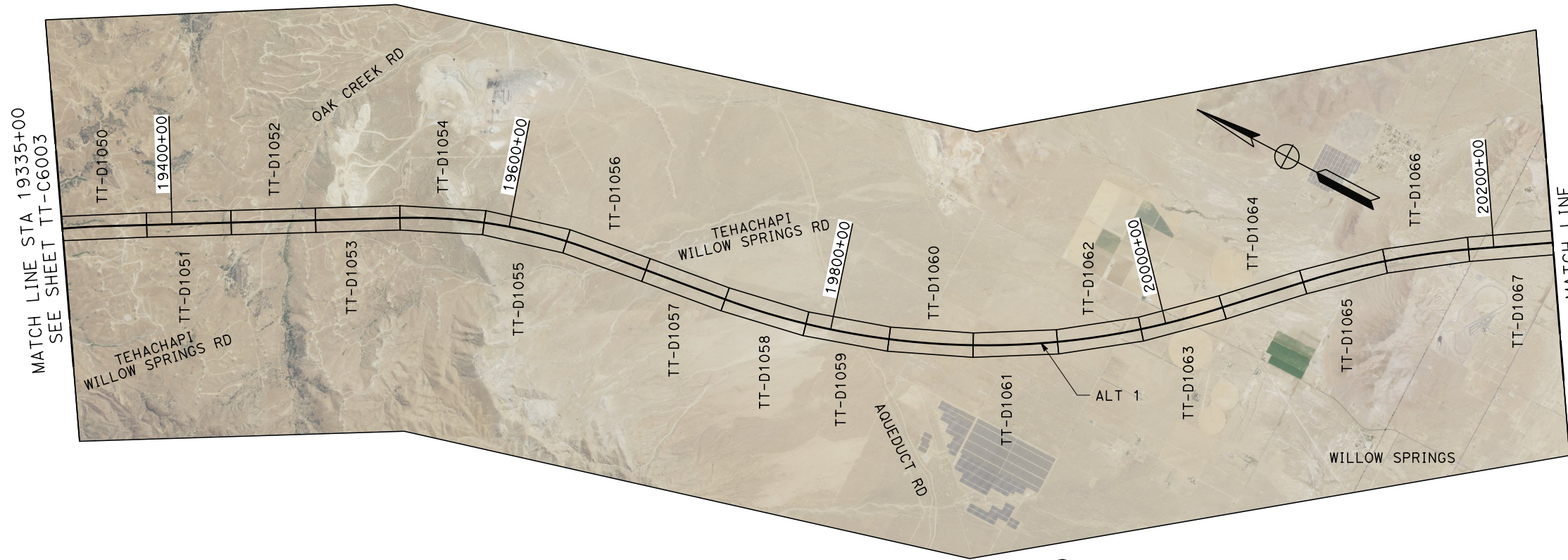


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 2
GENERAL
KEY MAP
SHEET 1 OF 2

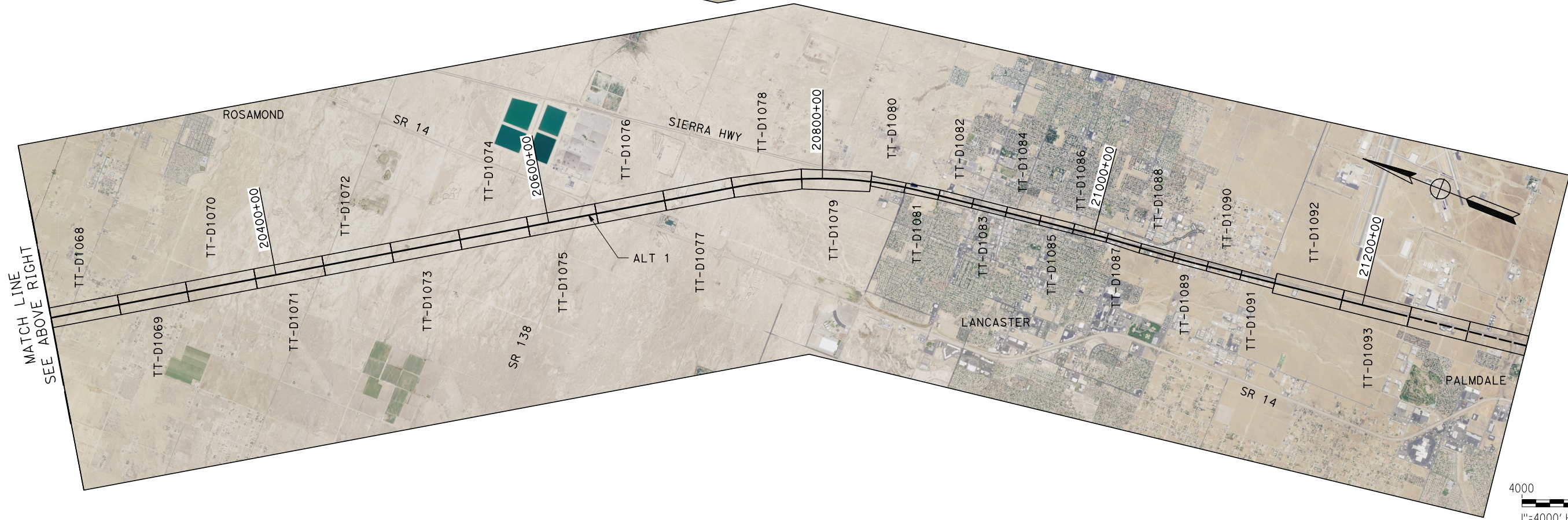
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HSR13-44
DRAWING NO.
TT-C6003
SCALE
AS SHOWN
SHEET NO.
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ALTERNATIVE 2

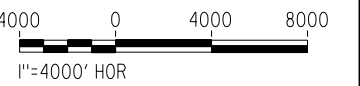


MATCH LINE
SEE BELOW LEFT

MATCH LINE STA 19335+00
SEE SHEET TT-C6003



MATCH LINE
SEE ABOVE RIGHT



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1/20/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

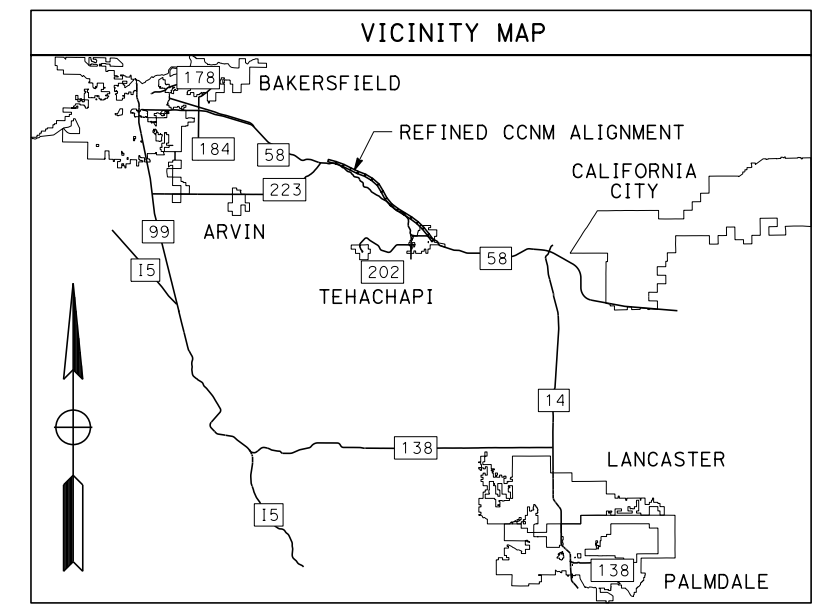
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CONSTRUCTION**



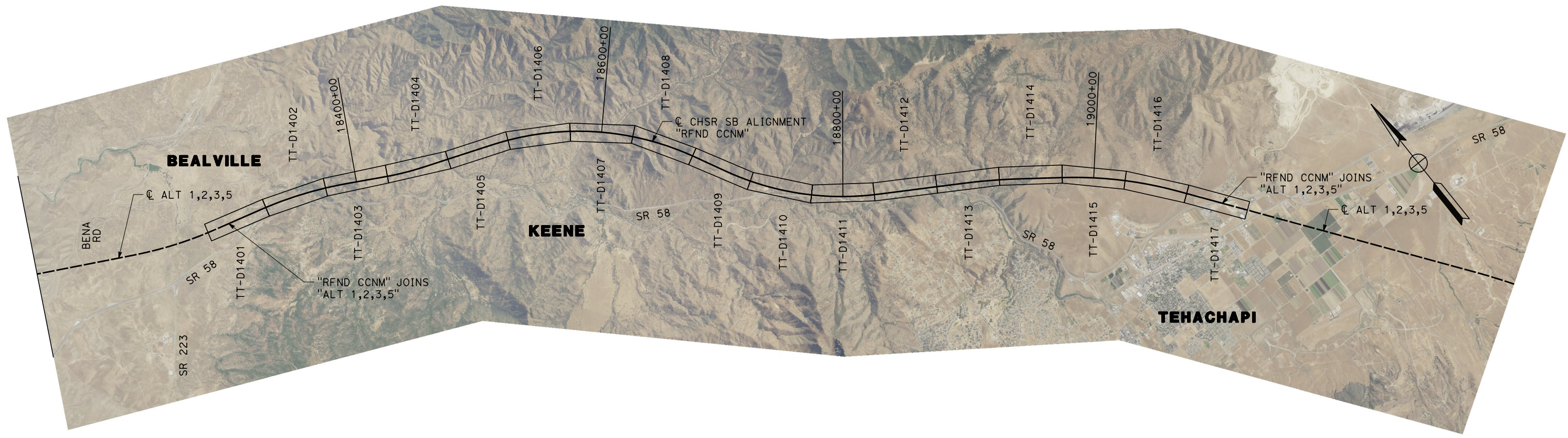
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GENERAL
KEY MAP
SHEET 2 OF 2

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-C6004
SCALE
AS SHOWN
SHEET NO.
56



REFINED CCNM DESIGN OPTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

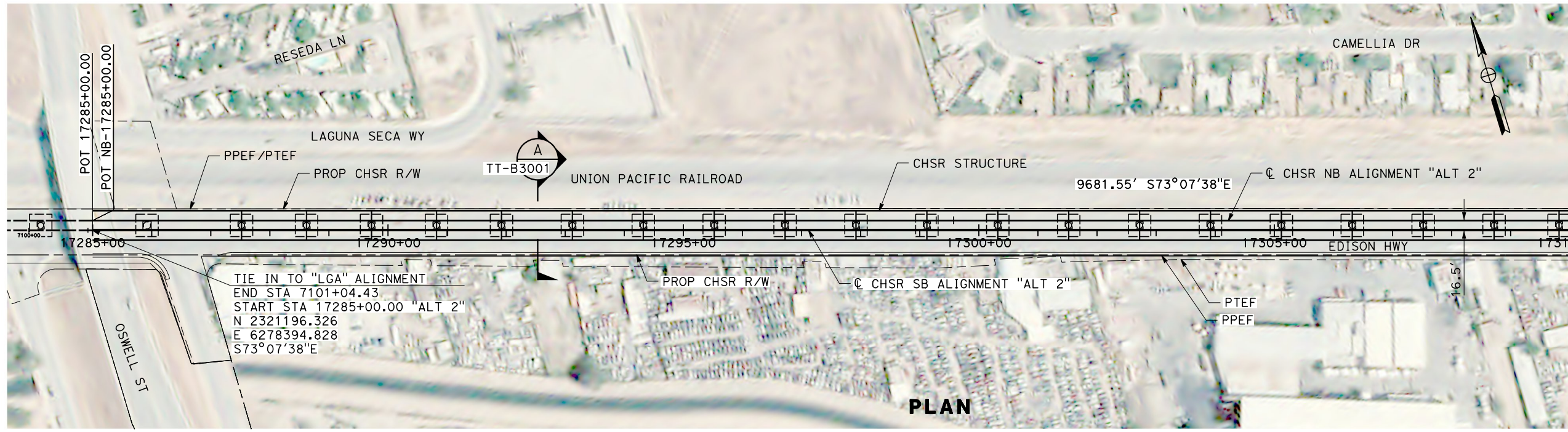
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CONSTRUCTION**



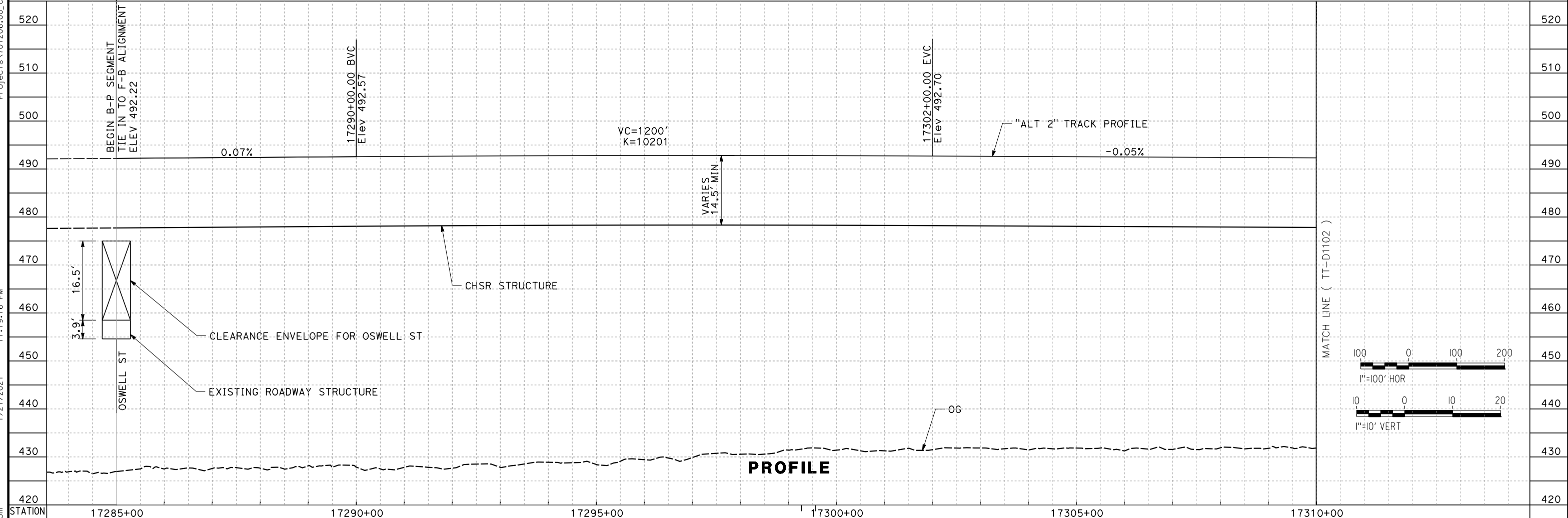
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
TRACK GENERAL
KEY MAP

CONTRACT NO.
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SCALE
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SHEET NO.
57

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 1/27/2021 11:19:16 PM javier_lopez@tylin.com



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

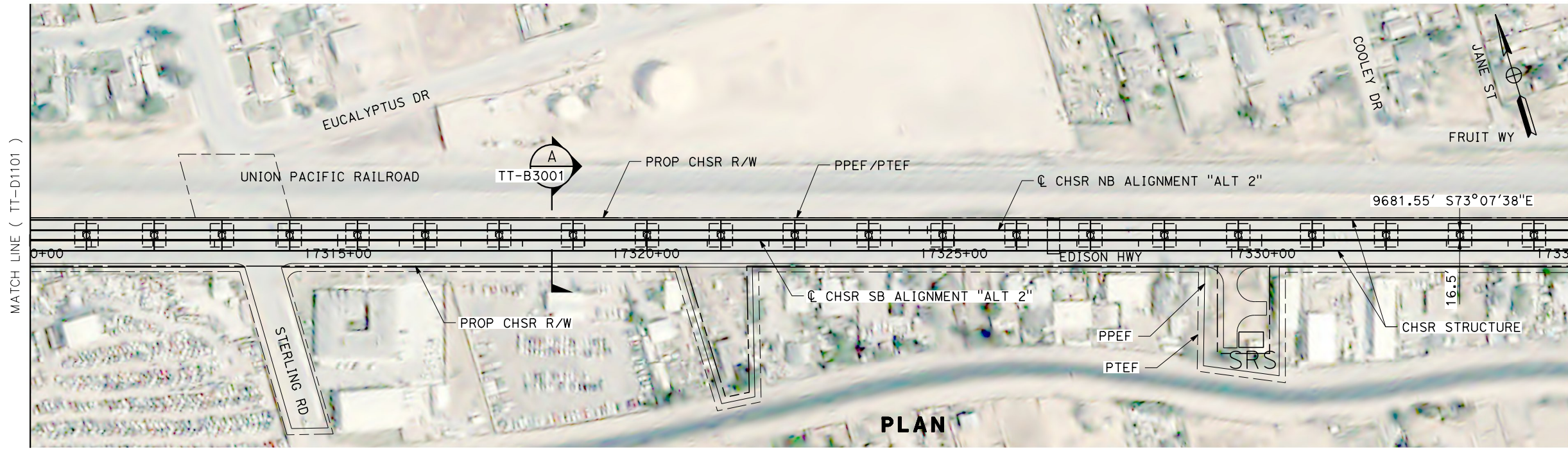
NOT FOR
CONSTRUCTION



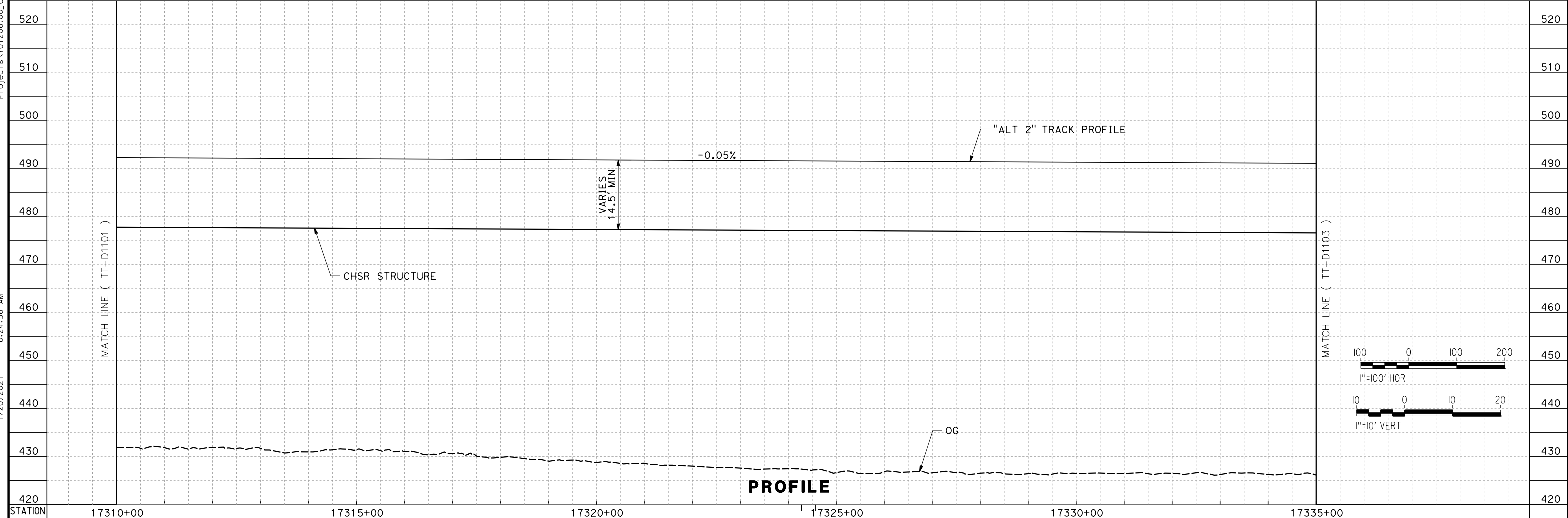
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17285+00 TO 17310+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
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AS SHOWN
 SHEET NO.
58

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 1/20/2021
 jcs_user_17609



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17310+00 TO 17335+00
 PLAN AND PROFILE

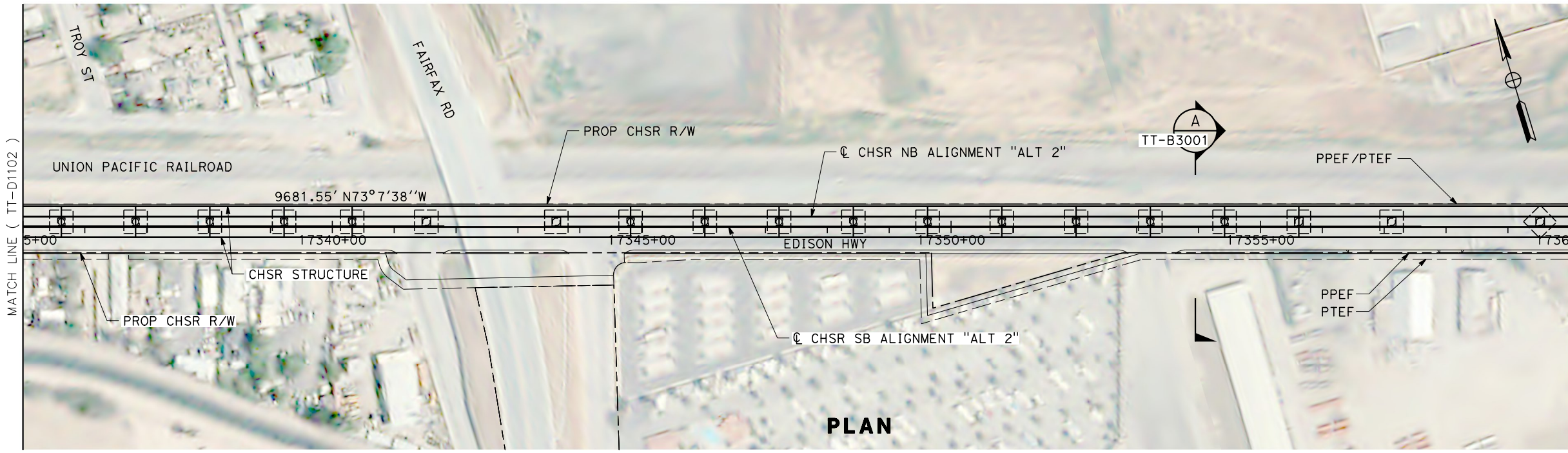
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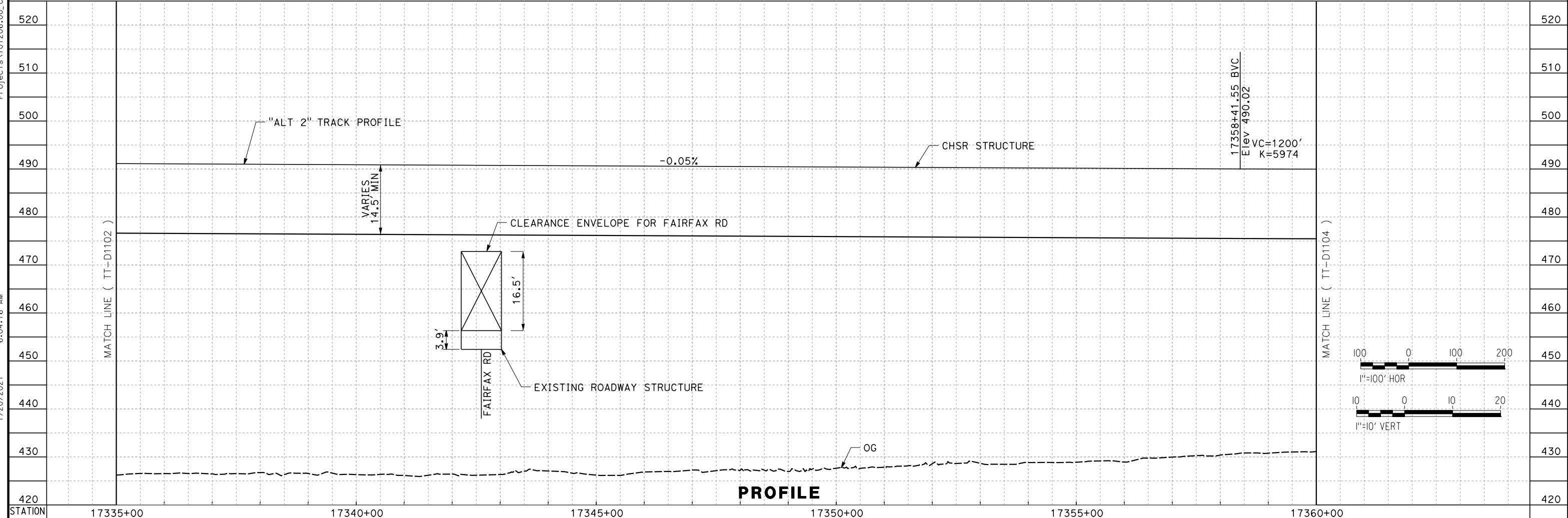
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59

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
DRAWN BY
A. CARSON
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

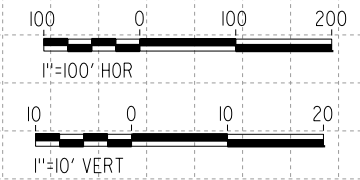
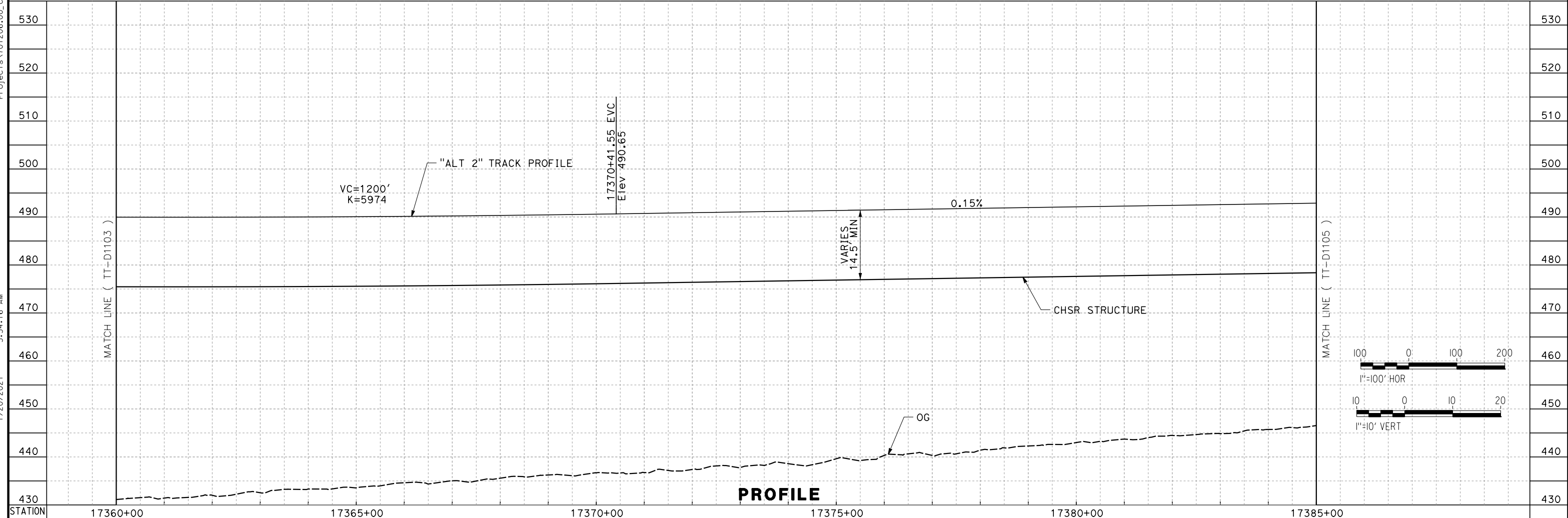
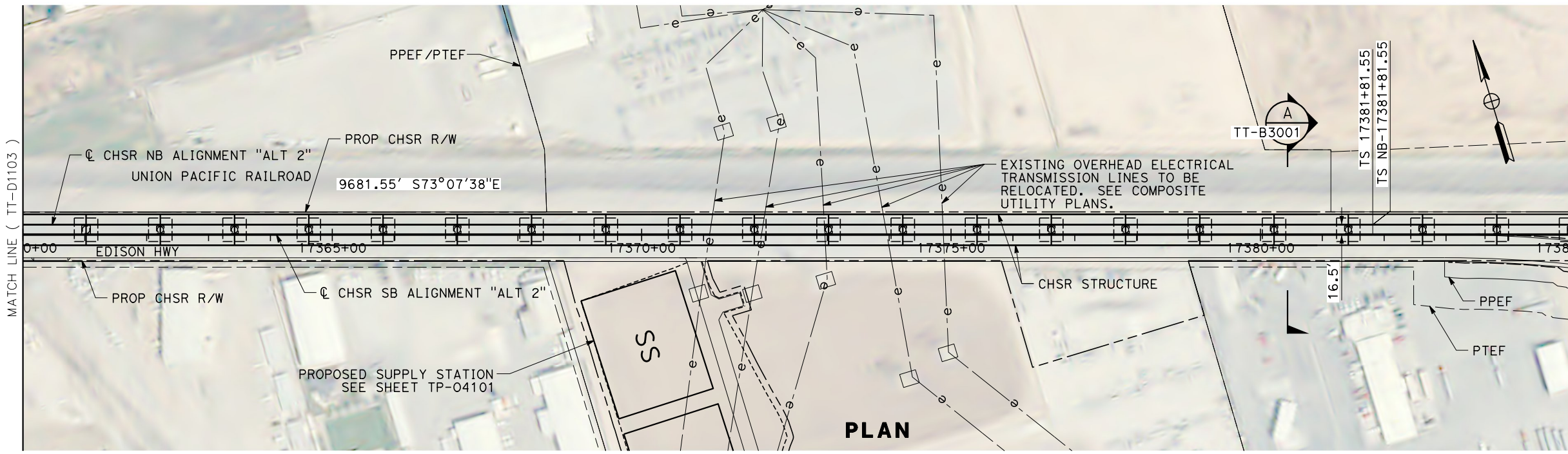


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
TRACK GUIDEWAY
STA 17335+00 TO 17360+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1103
SCALE
AS SHOWN
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60

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 jcs_user_17609



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

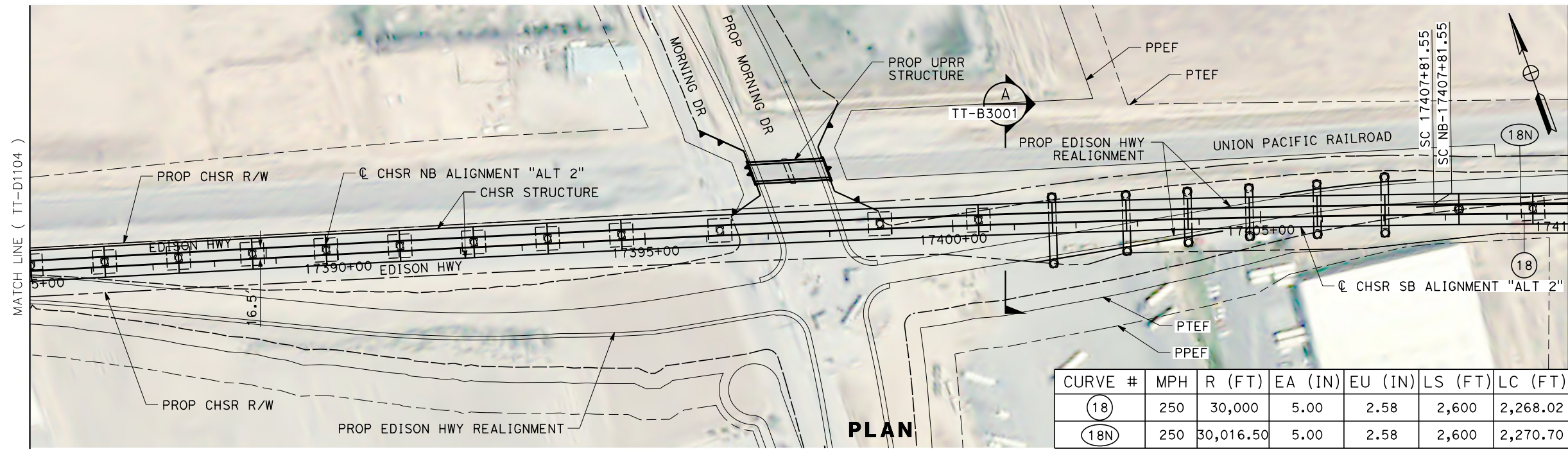


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17360+00 TO 17385+00
 PLAN AND PROFILE

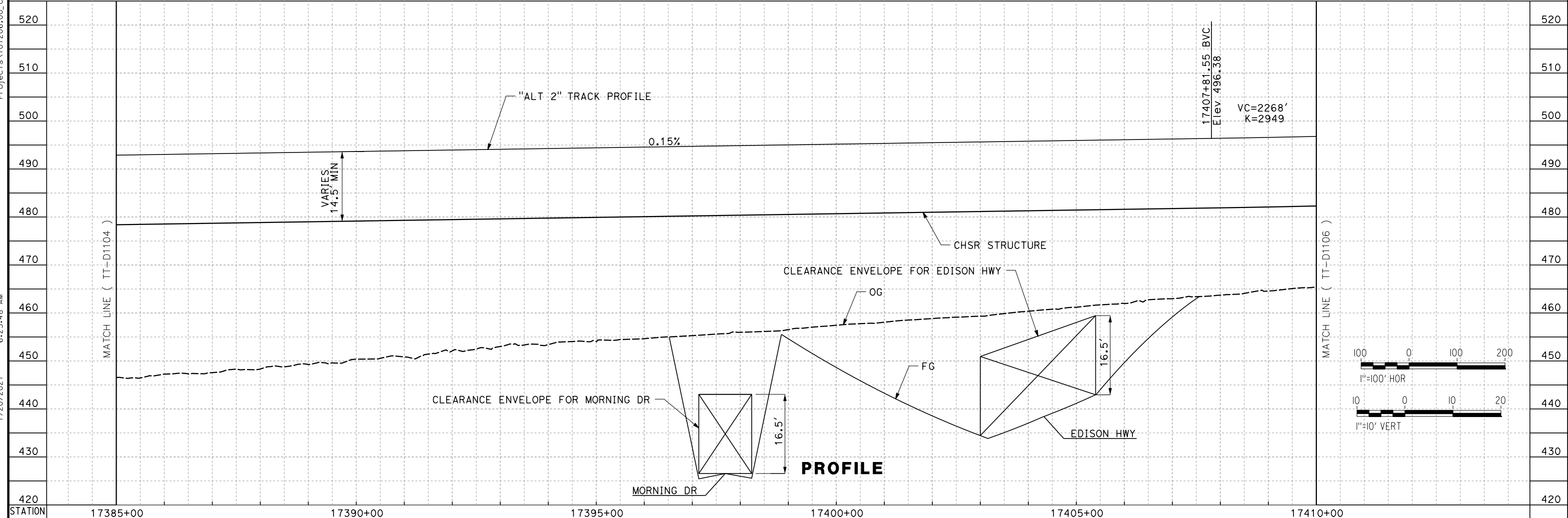
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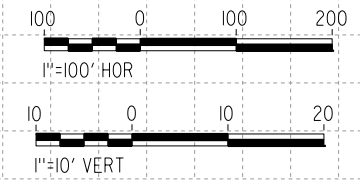


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(18N)	250	30,016.50	5.00	2.58	2,600	2,270.70

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

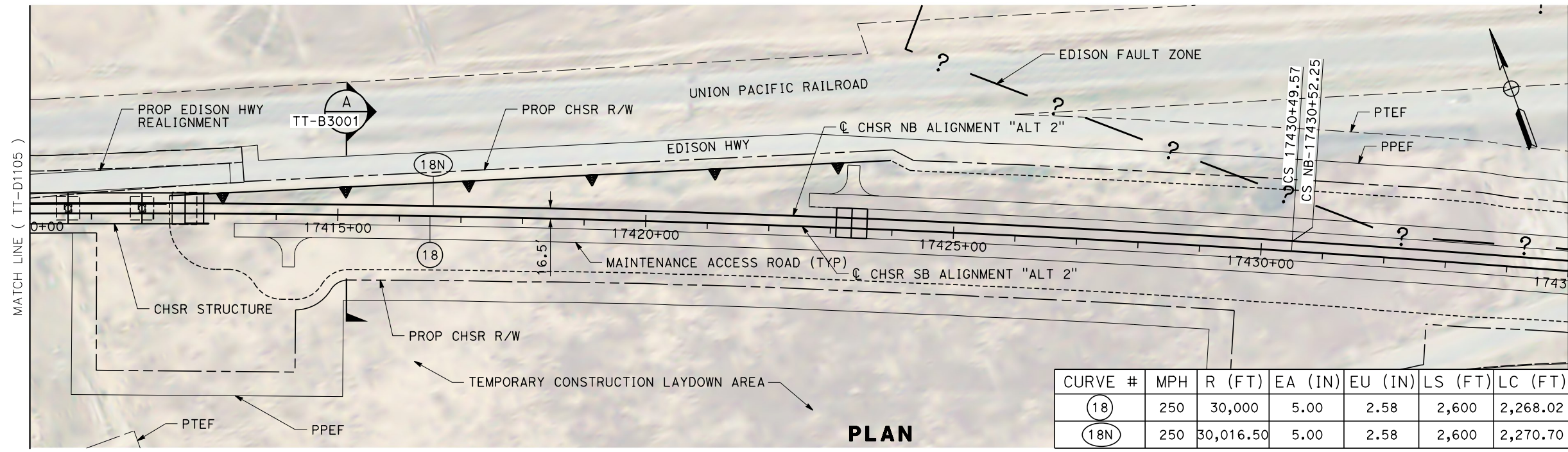
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CONSTRUCTION



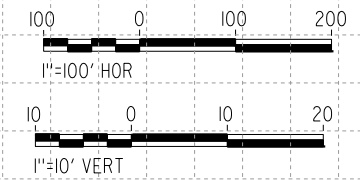
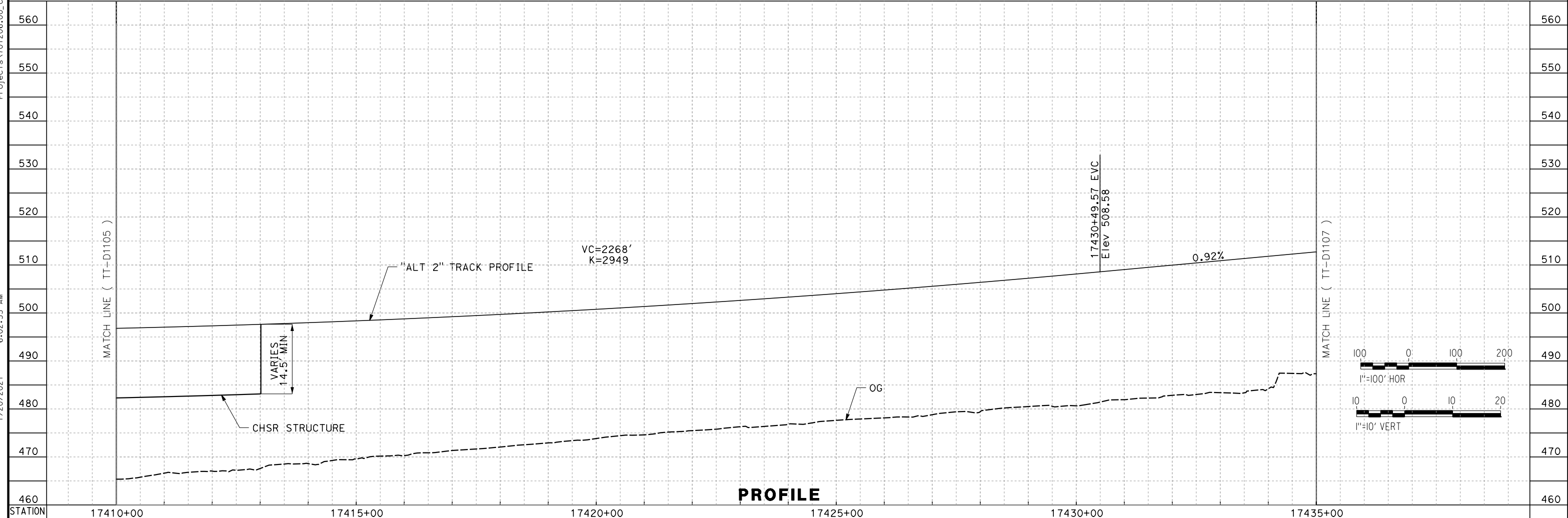
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17385+00 TO 17410+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1105
 SCALE
AS SHOWN
 SHEET NO.
62

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
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(18N)	250	30,016.50	5.00	2.58	2,600	2,270.70



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

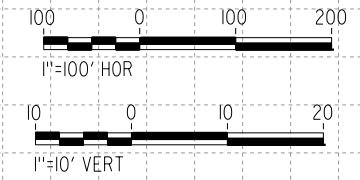
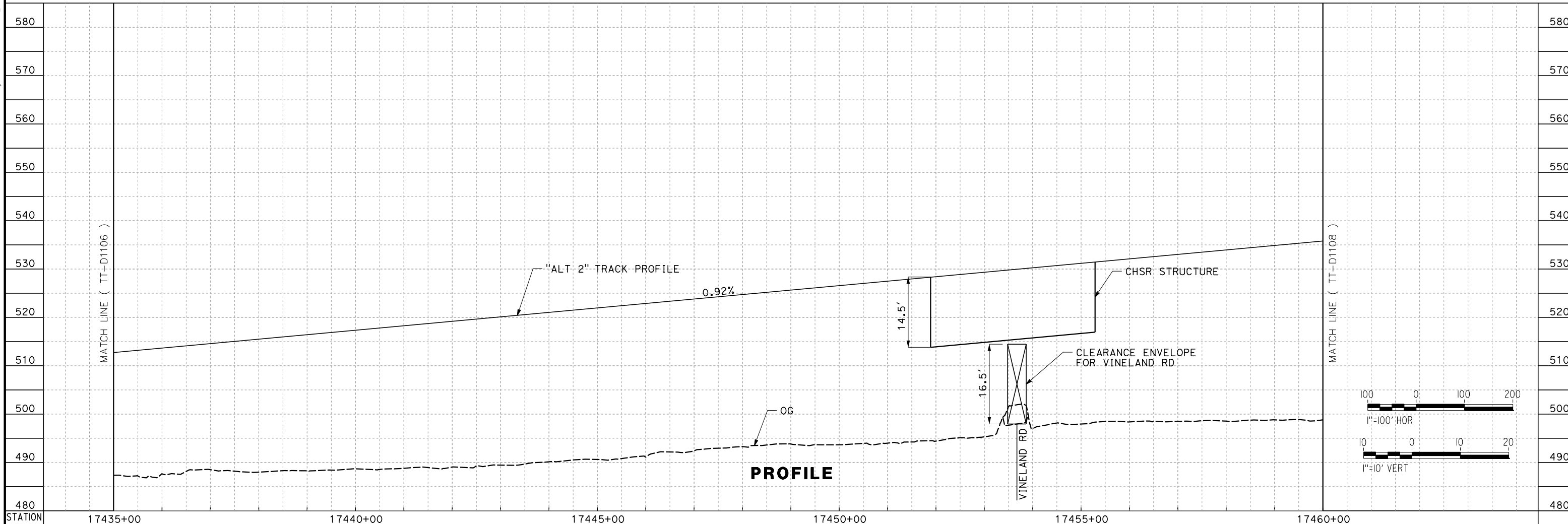
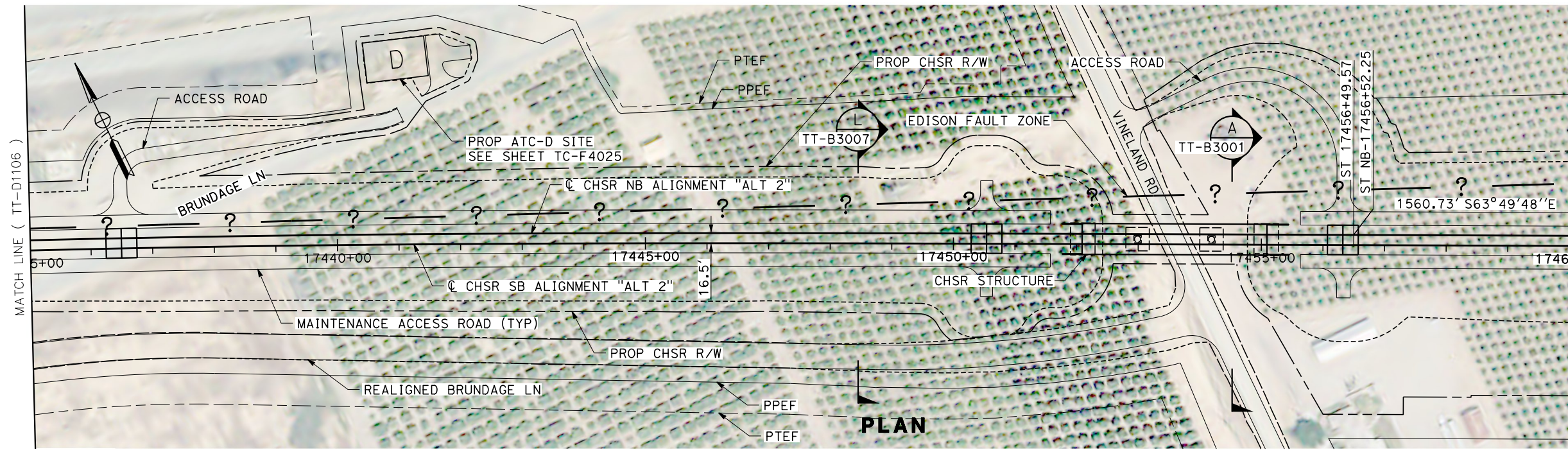
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CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17410+00 TO 17435+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1106
 SCALE
AS SHOWN
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63

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
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SUBMITTAL

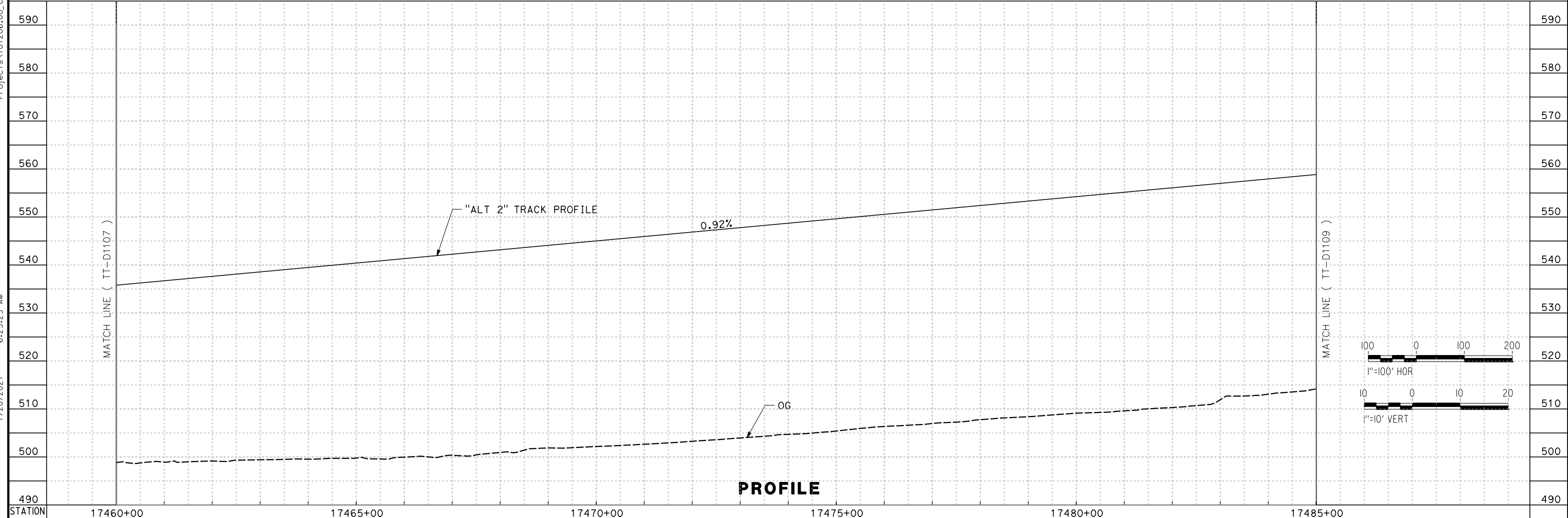
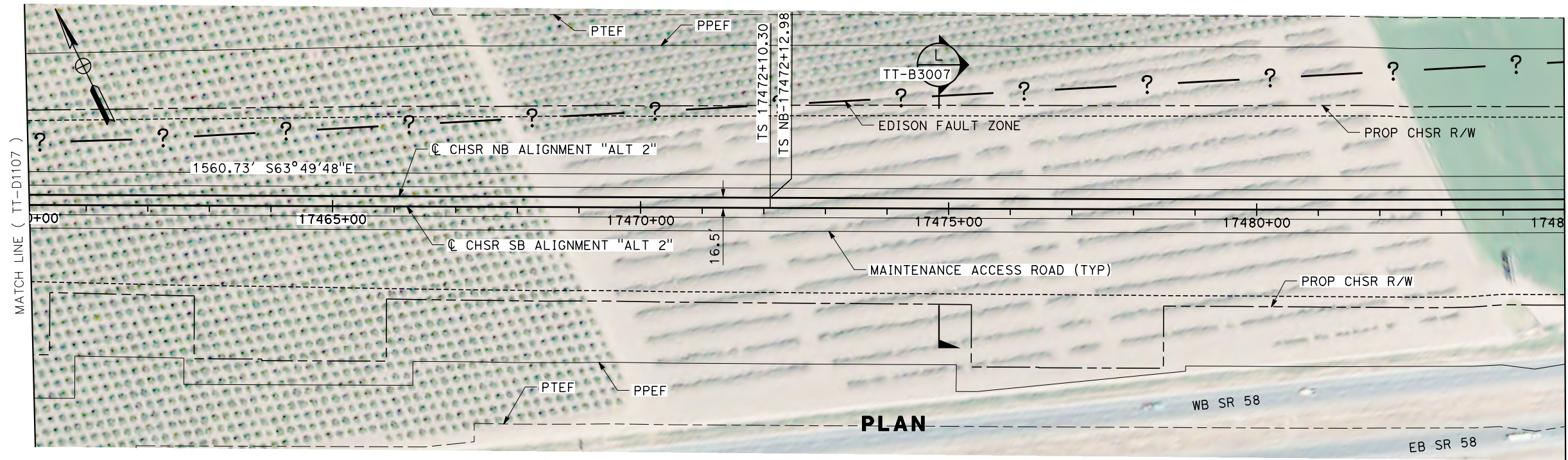
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17435+00 TO 17460+00
 PLAN AND PROFILE

CONTRACT NO.
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64

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 1/20/2021
 jcs_user_17609



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
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A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

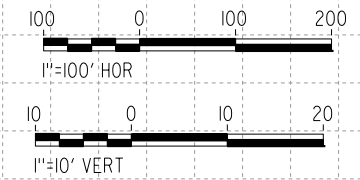
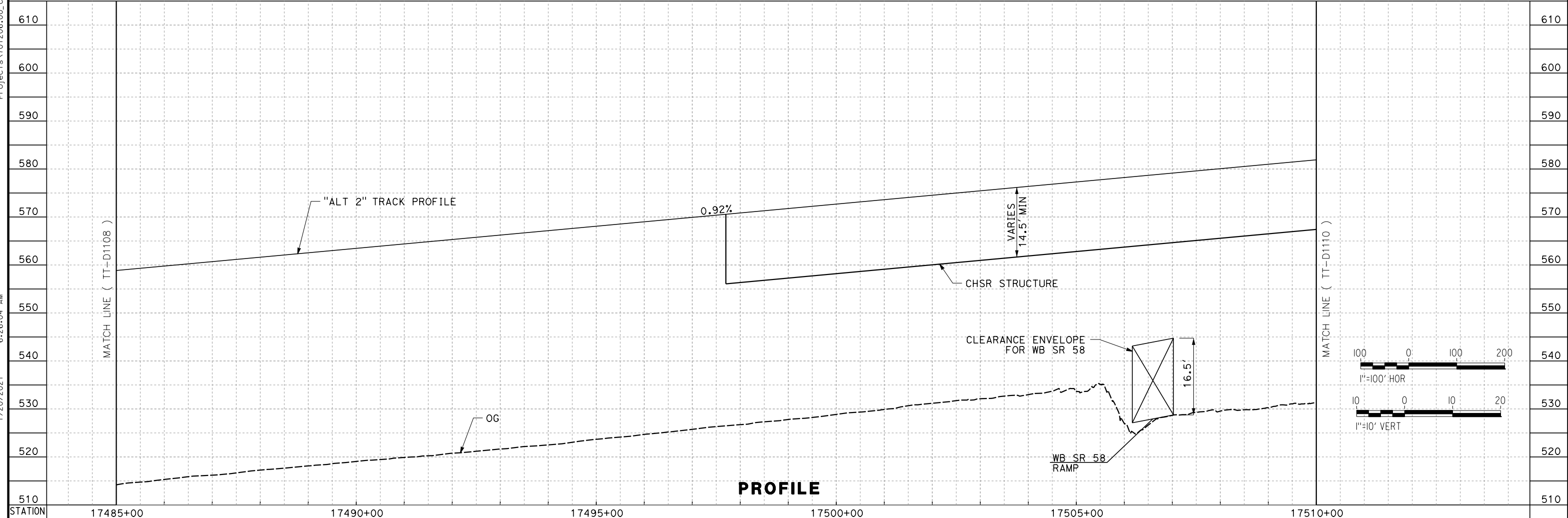
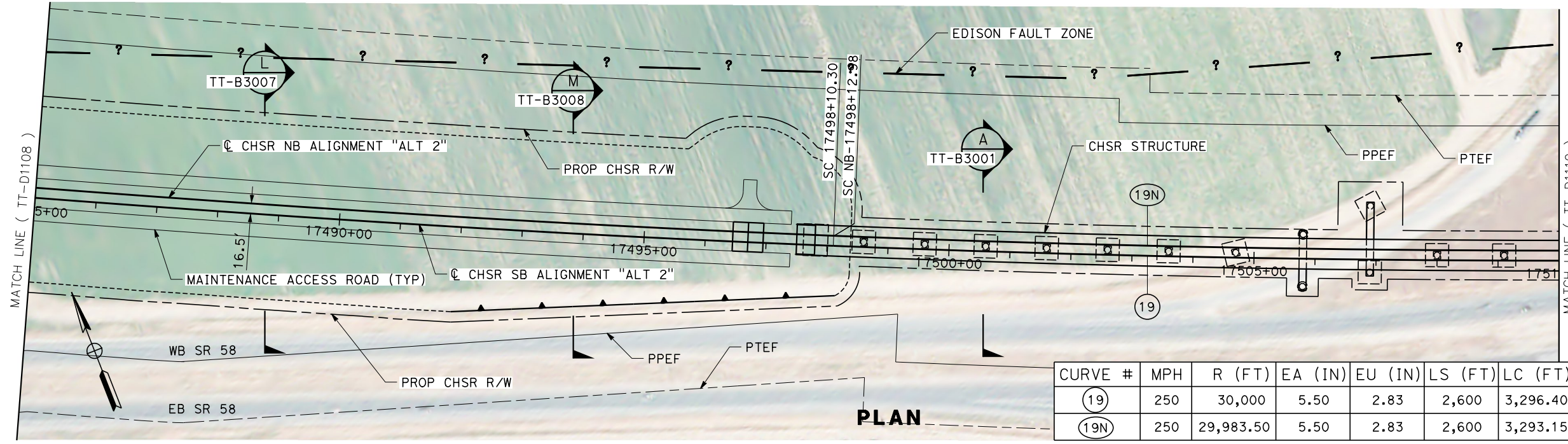
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CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17460+00 TO 17485+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
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AS SHOWN
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65

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
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SUBMITTAL

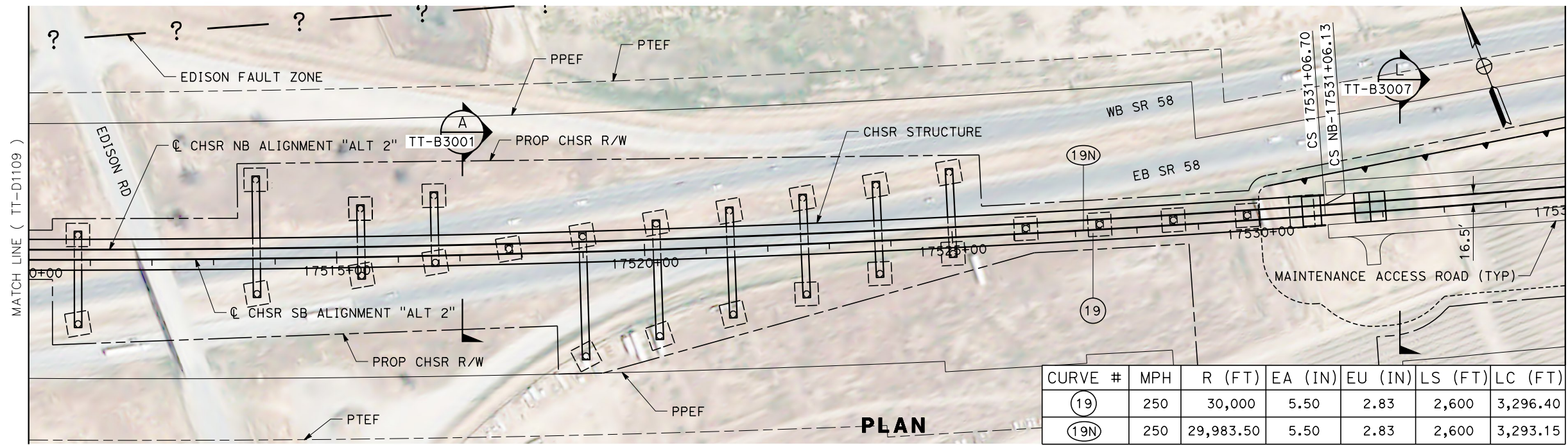
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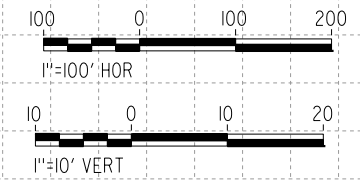
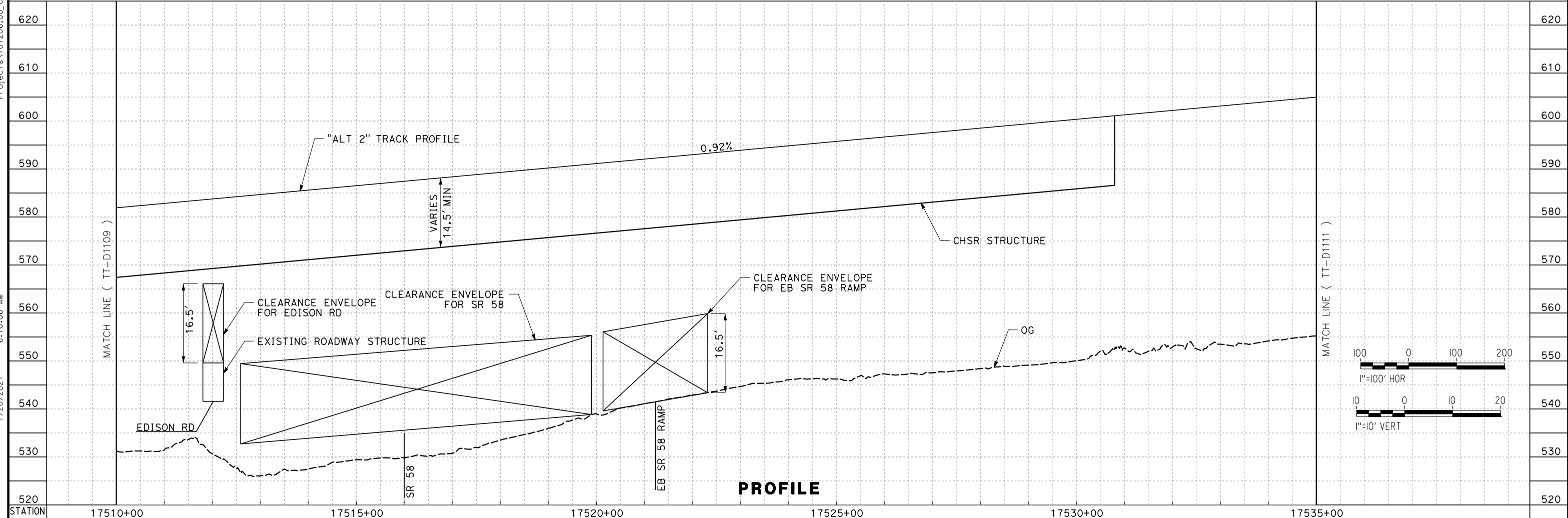
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17485+00 TO 17510+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1109
 SCALE
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66

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

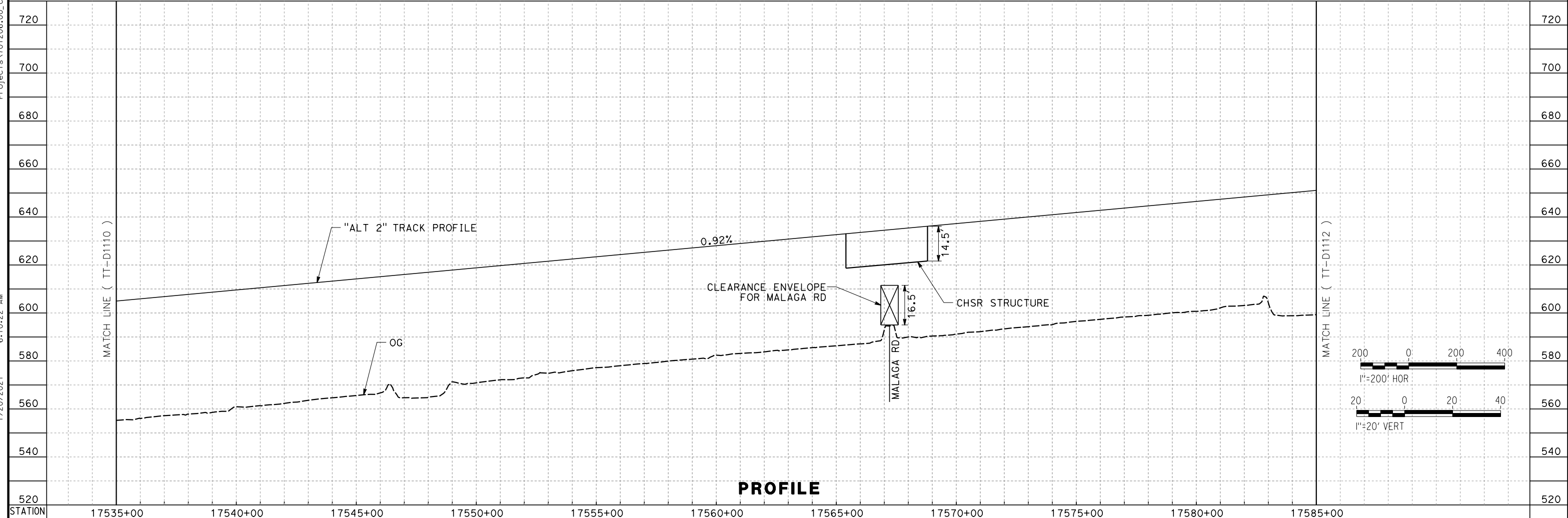
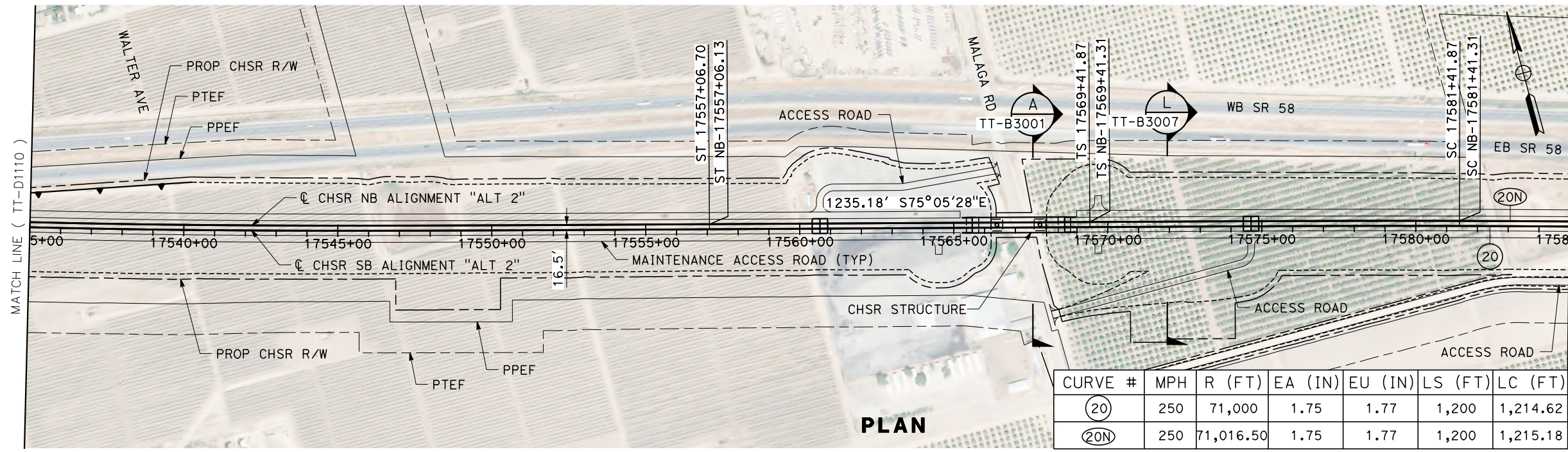
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CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17510+00 TO 17535+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1110
 SCALE
AS SHOWN
 SHEET NO.
67

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
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 SUBMITTAL**

**NOT FOR
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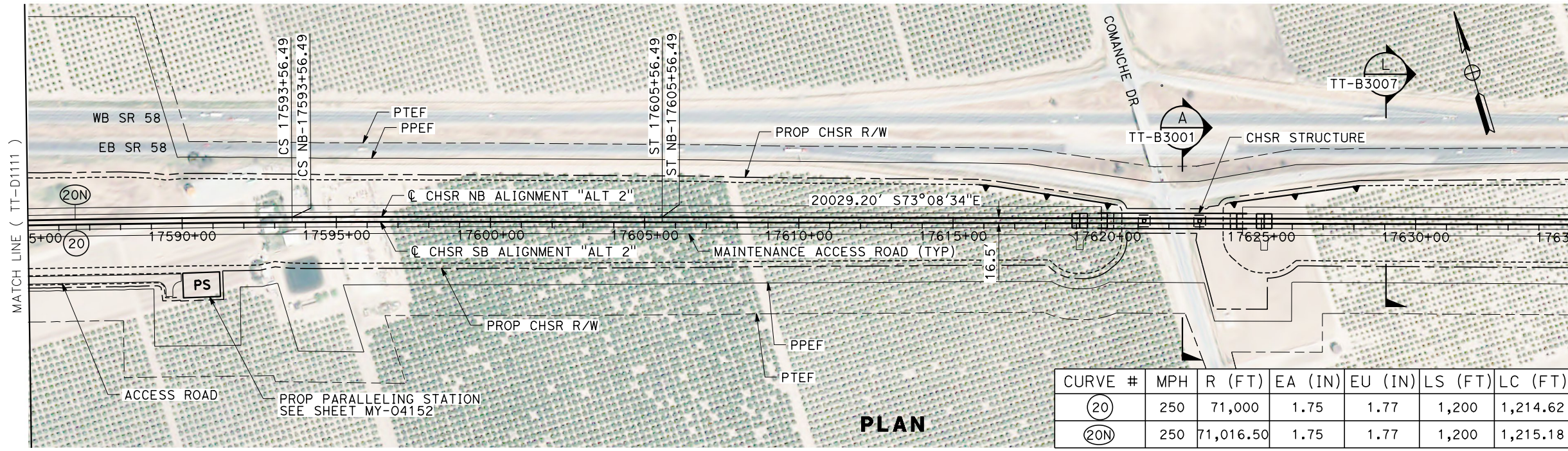


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

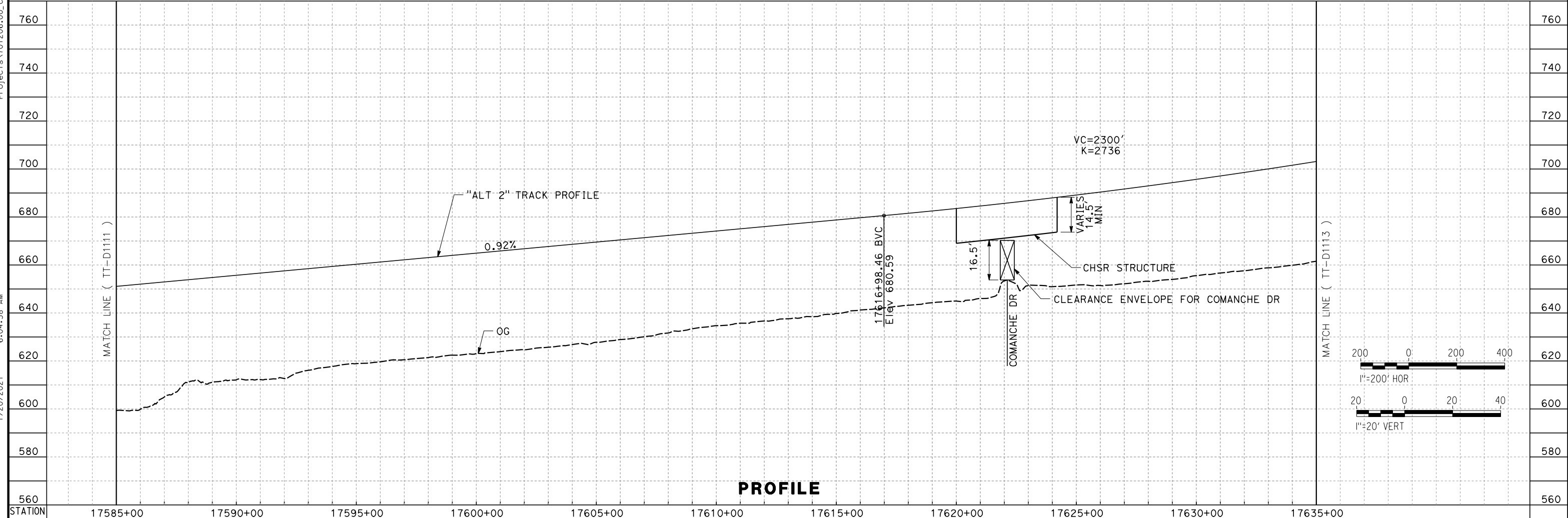
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 STA 17535+00 TO 17585+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
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 SCALE
AS SHOWN
 SHEET NO.
68

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 jcs_user_17609



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17585+00 TO 17635+00
 PLAN AND PROFILE

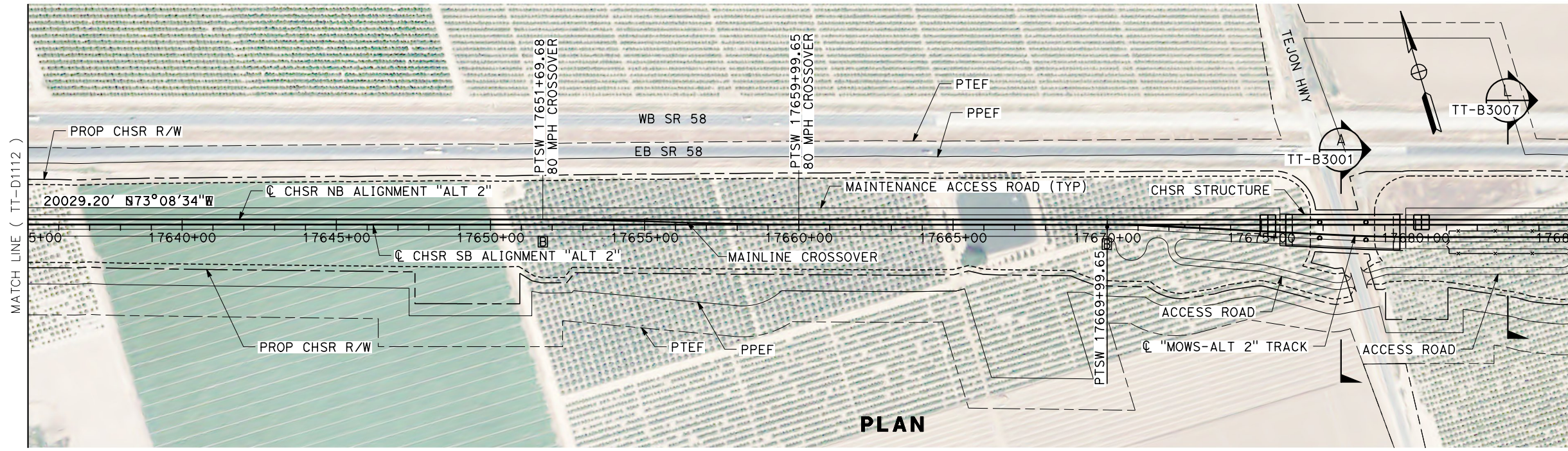
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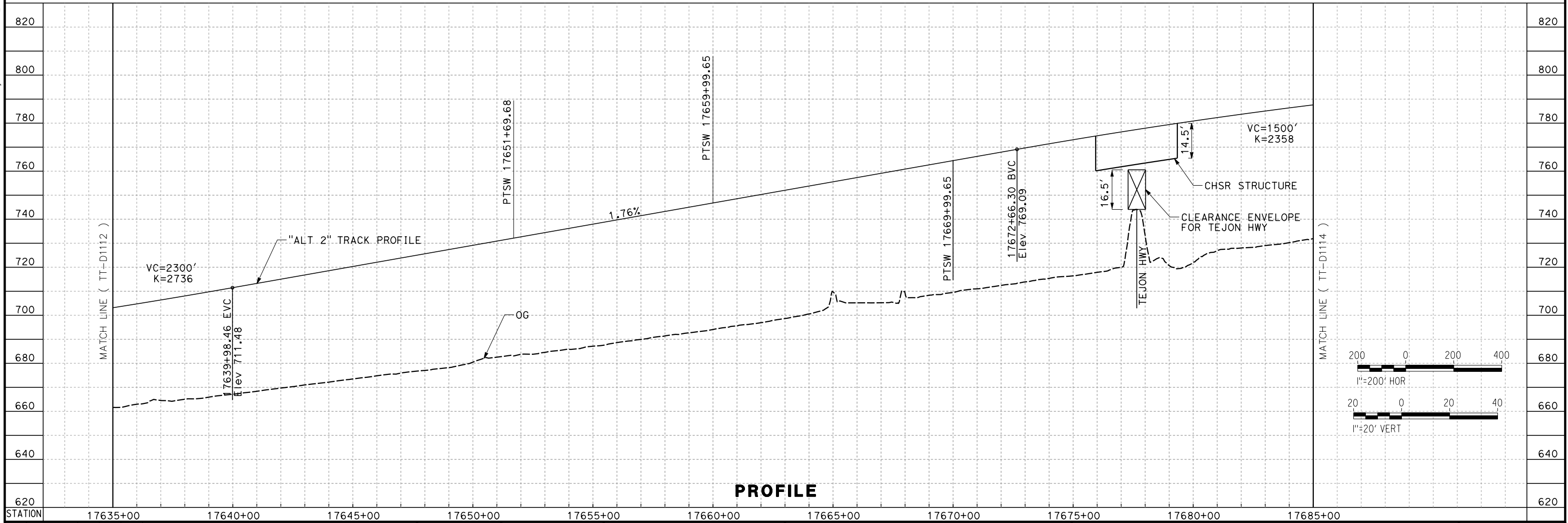
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SHEET NO.
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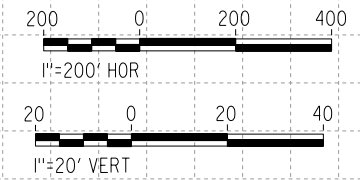
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 jcs_user_17609



PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. CARSON
 DRAWN BY
A. CARSON
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
 TRACK GUIDEWAY
 STA 17635+00 TO 17685+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
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 SCALE
AS SHOWN
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70