

Bakersfield to Palmdale

GRADING/DRAINAGE/RETAINING WALLS
RECORD SET PEPD
DESIGN SUBMISSION
January 2021



GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1		COVER SHEET
2	CV-G0001	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 1 OF 6
3	CV-G0002	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 2 OF 6
4	CV-G0003	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 3 OF 6
5	CV-G0004	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 4 OF 6
6	CV-G0005	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 5 OF 6
7	CV-G0006	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 6 OF 6
8	CV-G0007	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
9	CV-G0008	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
10	CV-G0009	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
11	CV-G0010	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
12	CV-G0011	ALTERNATIVE 3 - GENERAL - KEY MAP - SHEET 1 OF 2
13	CV-G0012	ALTERNATIVE 3 - GENERAL - KEY MAP - SHEET 2 OF 2
14	CV-G0013	ALTERNATIVE 5 - GENERAL - KEY MAP - SHEET 1 OF 2
15	CV-G0014	ALTERNATIVE 5 - GENERAL - KEY MAP - SHEET 2 OF 2
16	CV-G0015	ALTERNATIVE 1,2,3,5 - GENERAL - LEGEND, ABBREVIATIONS, AND GENERAL NOTES

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0001
 Glenn.Yamanaka@tylin.com
 12/22/2020 12:52:49 AM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
V. CERON
 CHECKED BY
G. CAMPBELL
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION

TYLININTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 INDEX OF DRAWING
 SHEET 1 OF 6

CONTRACT NO.	HSR13-44
DRAWING NO.	CV-G0001
SCALE	NO SCALE
SHEET NO.	2

GRADING AND DRAINAGE PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
17	CV-G1001	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17431, 17458
18	CV-G1002	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17474
19	CV-G1003	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17532, 17548
20	CV-G1004	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17570, 17580
21	CV-G1004A	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17597, 17626
22	CV-G1005	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17644, 17679
23	CV-G1005A	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17713, 17736
24	CV-G1006	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17778, 17791
25	CV-G1007	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17804
26	CV-G1008	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17829, 17833
27	CV-G1009	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17875
28	CV-G1010	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17902
29	CV-G1010A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17926
30	CV-G1011	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17940, 17957
31	CV-G1012	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17960, 17969
32	CV-G1013	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17985, 17991
33	CV-G1013A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17993
34	CV-G1014	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18004, 18010
35	CV-G1015	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18020, 18028
36	CV-G1016	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18033
37	CV-G1016A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18067
38	CV-G1017	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18110, 18113
39	CV-G1018	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18116, 18148
40	CV-G1019	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18167, 18172
41	CV-G1020	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18189, 18223
42	CV-G1020A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18227, 18231
43	CV-G1021	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18262, 18267
44	CV-G1022	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18320
45	CV-G1022A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18328
46	CV-G1023	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18352, 18427
47	CV-G1024	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18432, 18451
48	CV-G1025	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18460, 18483
49	CV-G1026	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18487, 18493
50	CV-G1027	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18501
51	CV-G1028	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18503, 18512
52	CV-G1029	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18542, 18545
53	CV-G1029A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18548
54	CV-G1030	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18552, 18557
55	CV-G1030A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18582
56	CV-G1031	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18660, 18668
57	CV-G1031A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18705
58	CV-G1032	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18709, 18714
59	CV-G1033	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18752, 18759
60	CV-G1034	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18764, 18768
61	CV-G1035	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18776
62	CV-G1036	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18779, 18805
63	CV-G1037	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18808, 18824
64	CV-G1037A	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18880
65	CV-G1038	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18891, 18899
66	CV-G1039	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 18924, 19021
67	CV-G1041	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19061
68	CV-G1042	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19168
69	CV-G1043	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19189
70	CV-G1044	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19211, 19240
71	CV-G1045	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19484
72	CV-G1046	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19615, 19644

GRADING AND DRAINAGE PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
73	CV-G1047	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19667, 19680
74	CV-G1048	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19692
75	CV-G1049	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19702, 19721
76	CV-G1050	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19732, 19745
77	CV-G1051	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19753, 19769
78	CV-G1052	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19780, 19832
79	CV-G1053	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20004
80	CV-G1054	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20033
81	CV-G1055	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20039, 20052
82	CV-G1056	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20091, 20142
83	CV-G1058	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20294, 20306
84	CV-G1059	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20319, 20331
85	CV-G1060	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20338, 20345
86	CV-G1061	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20376
87	CV-G1062	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20382, 20388
88	CV-G1063	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20397, 20405
89	CV-G1064	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20410, 20415
90	CV-G1065	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20427
91	CV-G1066	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20442, 20451
92	CV-G1067	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20526
93	CV-G1068	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20549, 20555
94	CV-G1069	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20573, 20584
95	CV-G1070	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20599, 20602
96	CV-G1071	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20673, 20693
97	CV-G1072	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20716, 20720
98	CV-G1073	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 21169
99	CV-G1101	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17430
100	CV-G1101A	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17458, 17463
101	CV-G1102	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17475, 17548
102	CV-G1103	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17648
103	CV-G1104	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17771, 17794
104	CV-G1105	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17829, 17833
105	CV-G1106	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17875
106	CV-G1107	ALTERNATIVE 2 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 17902
107	CV-G1204	ALTERNATIVE 3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19706
108	CV-G1206	ALTERNATIVE 3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19765
109	CV-G1207	ALTERNATIVE 3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 19792, 19871
110	CV-G1208	ALTERNATIVE 3 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 20002, 20030
111	CV-G1301	ALTERNATIVE 5 - GRADING AND DRAINAGE - OFFSITE CULVERT PROFILE - STA 21169

Projects\701206_00_CHSRBP_00_CADD\Sheet_Files\CV\G\BP-CV-G0002

12:52:51 AM

12/22/2020

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

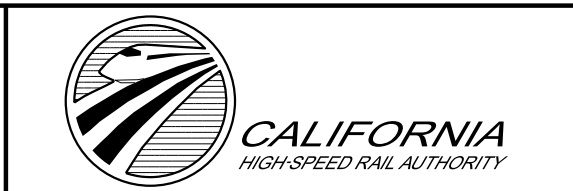
CHECKED BY
G. CAMPBELL

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
INDEX OF DRAWING
SHEET 2 OF 6

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0002

SCALE
NO SCALE

SHEET NO.
3

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
112	CV-G4001	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17285+00 TO 17310+00
113	CV-G4002	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17310+00 TO 17335+00
114	CV-G4003	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17335+00 TO 17360+00
115	CV-G4004	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17360+00 TO 17385+00
116	CV-G4005	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17385+00 TO 17410+00
117	CV-G4006	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17410+00 TO 17435+00
118	CV-G4007	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17435+00 TO 17460+00
119	CV-G4008	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17460+00 TO 17485+00
120	CV-G4009	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17485+00 TO 17510+00
121	CV-G4010	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17510+00 TO 17535+00
122	CV-G4011	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17535+00 TO 17560+00
123	CV-G4012	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17560+00 TO 17585+00
124	CV-G4013	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17585+00 TO 17610+00
125	CV-G4014	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17610+00 TO 17635+00
126	CV-G4015	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17635+00 TO 17660+00
127	CV-G4016	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17660+00 TO 17685+00
128	CV-G4017	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17685+00 TO 17710+00
129	CV-G4018	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17710+00 TO 17735+00
130	CV-G4019	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17735+00 TO 17760+00
131	CV-G4020	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17760+00 TO 17785+00
132	CV-G4021	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17785+00 TO 17810+00
133	CV-G4022	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17810+00 TO 17835+00
134	CV-G4023	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17835+00 TO 17860+00
135	CV-G4024	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17860+00 TO 17885+00
136	CV-G4025	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - PLAN - STA 17885+00 TO 17910+00
137	CV-G4026	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17910+00 TO 17935+00
138	CV-G4027	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17935+00 TO 17960+00
139	CV-G4028	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17960+00 TO 17985+00
140	CV-G4029	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 17985+00 TO 18010+00
141	CV-G4030	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18010+00 TO 18035+00
142	CV-G4031	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18035+00 TO 18060+00
143	CV-G4032	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18060+00 TO 18085+00
144	CV-G4033	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18085+00 TO 18110+00
145	CV-G4034	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18110+00 TO 18135+00
146	CV-G4035	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18135+00 TO 18160+00
147	CV-G4036	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18160+00 TO 18185+00
148	CV-G4037	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18185+00 TO 18210+00
149	CV-G4038	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18210+00 TO 18235+00
150	CV-G4039	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18235+00 TO 18260+00
151	CV-G4040	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18260+00 TO 18285+00
152	CV-G4041	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18285+00 TO 18310+00
153	CV-G4042	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18310+00 TO 18335+00
154	CV-G4043	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18335+00 TO 18360+00
155	CV-G4044	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18360+00 TO 18385+00
156	CV-G4045	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18385+00 TO 18410+00
157	CV-G4046	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18410+00 TO 18435+00
158	CV-G4047	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18435+00 TO 18460+00
159	CV-G4048	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18460+00 TO 18485+00
160	CV-G4049	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18485+00 TO 18510+00
161	CV-G4050	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18510+00 TO 18535+00
162	CV-G4051	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18535+00 TO 18560+00
163	CV-G4052	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18560+00 TO 18585+00
164	CV-G4053	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18585+00 TO 18610+00
165	CV-G4054	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18610+00 TO 18635+00
166	CV-G4055	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18635+00 TO 18660+00
167	CV-G4056	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18660+00 TO 18685+00

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
168	CV-G4057	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18685+00 TO 18710+00
169	CV-G4058	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18710+00 TO 18735+00
170	CV-G4059	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18735+00 TO 18760+00
171	CV-G4060	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18760+00 TO 18785+00
172	CV-G4061	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18785+00 TO 18810+00
173	CV-G4062	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18810+00 TO 18835+00
174	CV-G4063	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18835+00 TO 18860+00
175	CV-G4064	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18860+00 TO 18885+00
176	CV-G4065	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18885+00 TO 18910+00
177	CV-G4066	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18910+00 TO 18935+00
178	CV-G4067	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18935+00 TO 18960+00
179	CV-G4068	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18960+00 TO 18985+00
180	CV-G4069	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18985+00 TO 19010+00
181	CV-G4070	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19010+00 TO 19035+00
182	CV-G4071	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19035+00 TO 19060+00
183	CV-G4072	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19060+00 TO 19085+00
184	CV-G4073	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19085+00 TO 19110+00
185	CV-G4074	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19110+00 TO 19135+00
186	CV-G4075	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19135+00 TO 19160+00
187	CV-G4076	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19160+00 TO 19185+00
188	CV-G4077	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19185+00 TO 19210+00
189	CV-G4078	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19210+00 TO 19235+00
190	CV-G4079	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19235+00 TO 19260+00
191	CV-G4080	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 19260+00 TO 19285+00
192	CV-G4081	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19285+00 TO 19310+00
193	CV-G4082	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19310+00 TO 19335+00
194	CV-G4083	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19335+00 TO 19360+00
195	CV-G4084	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19360+00 TO 19385+00
196	CV-G4085	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19385+00 TO 19410+00
197	CV-G4086	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19410+00 TO 19435+00
198	CV-G4087	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19435+00 TO 19460+00
199	CV-G4088	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19460+00 TO 19485+00
200	CV-G4088A	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19475+00
201	CV-G4089	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19485+00 TO 19510+00
202	CV-G4090	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19510+00 TO 19535+00
203	CV-G4091	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19535+00 TO 19560+00
204	CV-G4092	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19560+00 TO 19585+00
205	CV-G4093	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19585+00 TO 19610+00
206	CV-G4094	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19610+00 TO 19635+00
207	CV-G4095	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19635+00 TO 19660+00
208	CV-G4096	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19660+00 TO 19685+00
209	CV-G4097	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19685+00 TO 19710+00
210	CV-G4098	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19710+00 TO 19735+00
211	CV-G4099	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19735+00 TO 19760+00
212	CV-G4100	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19760+00 TO 19785+00
213	CV-G4101	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19785+00 TO 19810+00
214	CV-G4102	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19810+00 TO 19835+00
215	CV-G4103	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19835+00 TO 19860+00
216	CV-G4104	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19860+00 TO 19885+00
217	CV-G4105	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19885+00 TO 19910+00
218	CV-G4106	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19910+00 TO 19935+00
219	CV-G4107	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19935+00 TO 19960+00
220	CV-G4108	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19960+00 TO 19985+00
221	CV-G4109	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 19985+00 TO 20010+00
222	CV-G4110	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - STA 20010+00 TO 20035+00
223	CV-G4111	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20035+00 TO 20060+00

Projects\701206_00_CHSRBP_V00_CADD\Sheet_Files\CV\G\BP-CV-G0003
 12:53:12 AM
 12/22/2020
 Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
V. CERON
 CHECKED BY
G. CAMPBELL
 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
 INDEX OF DRAWING
 SHEET 3 OF 6

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G0003
 SCALE
NO SCALE
 SHEET NO.
4

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
224	CV-G4112	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20060+00 TO 20085+00
225	CV-G4113	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20085+00 TO 20110+00
226	CV-G4114	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20110+00 TO 20135+00
227	CV-G4115	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20135+00 TO 20160+00
228	CV-G4116	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20160+00 TO 20185+00
229	CV-G4117	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20185+00 TO 20210+00
230	CV-G4118	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20210+00 TO 20235+00
231	CV-G4119	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20235+00 TO 20260+00
232	CV-G4120	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20260+00 TO 20285+00
233	CV-G4121	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20285+00 TO 20310+00
234	CV-G4122	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20310+00 TO 20335+00
235	CV-G4123	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20335+00 TO 20360+00
236	CV-G4124	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20360+00 TO 20385+00
237	CV-G4125	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20385+00 TO 20410+00
238	CV-G4126	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20410+00 TO 20435+00
239	CV-G4127	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20435+00 TO 20460+00
240	CV-G4128	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20460+00 TO 20485+00
241	CV-G4129	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20485+00 TO 20510+00
242	CV-G4130	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20510+00 TO 20535+00
243	CV-G4131	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20535+00 TO 20560+00
244	CV-G4132	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20560+00 TO 20585+00
245	CV-G4133	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20585+00 TO 20610+00
246	CV-G4134	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20610+00 TO 20635+00
247	CV-G4135	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20635+00 TO 20660+00
248	CV-G4136	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20660+00 TO 20685+00
249	CV-G4137	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 20685+00 TO 20710+00
250	CV-G4138	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20710+00 TO 20735+00
251	CV-G4139	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20735+00 TO 20760+00
252	CV-G4140	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20760+00 TO 20785+00
253	CV-G4141	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20785+00 TO 20810+00
254	CV-G4142	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20810+00 TO 20835+00
255	CV-G4143	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20835+00 TO 20860+00
256	CV-G4144	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20860+00 TO 20885+00
257	CV-G4145	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20885+00 TO 20910+00
258	CV-G4146	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20910+00 TO 20935+00
259	CV-G4147	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20935+00 TO 20960+00
260	CV-G4148	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20960+00 TO 20985+00
261	CV-G4149	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 20985+00 TO 21010+00
262	CV-G4150	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21010+00 TO 21035+00
263	CV-G4151	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21035+00 TO 21060+00
264	CV-G4152	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21060+00 TO 21085+00
265	CV-G4153	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21085+00 TO 21110+00
266	CV-G4154	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21110+00 TO 21135+00
267	CV-G4155	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
268	CV-G4156	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
269	CV-G4157	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
270	CV-G4158	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21210+00 TO 21235+00
271	CV-G4159	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21010+00 TO 21035+00
272	CV-G4160	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21035+00 TO 21060+00
273	CV-G4161	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21060+00 TO 21085+00
274	CV-G4162	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21085+00 TO 21110+00
275	CV-G4163	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21110+00 TO 21135+00
276	CV-G4164	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
277	CV-G4165	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
278	CV-G4166	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
279	CV-G4167	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21210+00 TO 21235+00

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
280	CV-G4168	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21135+00 TO 21160+00
281	CV-G4169	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21160+00 TO 21185+00
282	CV-G4170	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - STA 21185+00 TO 21210+00
283	CV-G4171	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18672+50 TO 18697+50
284	CV-G4172	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18872+50 TO 18897+50
285	CV-G4173	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - STA 18997+50 TO 19022+50
286	CV-G4174	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17596+00
287	CV-G4175	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17711+00
288	CV-G4176	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00
289	CV-G4177	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00
290	CV-G4178	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17907+00
291	CV-G4180	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18457+00
292	CV-G4181	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
293	CV-G4182	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
294	CV-G4183	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18516+00
295	CV-G4184	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
296	CV-G4185	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
297	CV-G4186	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 18908+00
298	CV-G4189	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19755+00
299	CV-G4190	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19755+00
300	CV-G4191	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19945+00
301	CV-G4192	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19945+00
302	CV-G4193	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 20084+00
303	CV-G4194	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 20084+00
304	CV-G4197	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
305	CV-G4198	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
306	CV-G4199	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20806+00
307	CV-G4201	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20861+00
308	CV-G4207	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20968+00
309	CV-G4208	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21022+00
310	CV-G4209	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21128+00
311	CV-G4301	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17285+00 TO 17310+00
312	CV-G4302	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17310+00 TO 17335+00
313	CV-G4303	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17335+00 TO 17360+00
314	CV-G4304	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17360+00 TO 17385+00
315	CV-G4305	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17385+00 TO 17410+00
316	CV-G4306	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17410+00 TO 17435+00
317	CV-G4307	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17435+00 TO 17460+00
318	CV-G4308	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17460+00 TO 17485+00
319	CV-G4309	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17485+00 TO 17510+00
320	CV-G4310	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17510+00 TO 17535+00
321	CV-G4311	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17535+00 TO 17560+00
322	CV-G4312	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17560+00 TO 17585+00
323	CV-G4313	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17585+00 TO 17610+00
324	CV-G4314	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17610+00 TO 17635+00
325	CV-G4315	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17635+00 TO 17660+00
326	CV-G4316	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17660+00 TO 17685+00
327	CV-G4317	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17685+00 TO 17710+00
328	CV-G4318	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17710+00 TO 17735+00
329	CV-G4319	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17735+00 TO 17760+00
330	CV-G4320	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17760+00 TO 17785+00
331	CV-G4321	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17785+00 TO 17810+00
332	CV-G4322	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17810+00 TO 17835+00
333	CV-G4323	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17835+00 TO 17860+00
334	CV-G4324	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17860+00 TO 17885+00
335	CV-G4325	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - STA 17885+00 TO 17910+00

12:53:10 AM
 12/22/2020
 Glenn.Yamanaka@tylin.com
 Projects\701206_00_CHSRBP_00_CADD\Sheet_Files\CV\BP-CV-G0004

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
V. CERON
 CHECKED BY
G. CAMPBELL
 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
 INDEX OF DRAWING
 SHEET 4 OF 6

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G0004
 SCALE
NO SCALE
 SHEET NO.
5

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
336	CV-G4326	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 17397+00
337	CV-G4327	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 17397+00
338	CV-G4328	ALTERNATIVE 2 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 17787+00
339	CV-G4401	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19295+00 TO 19320+00
340	CV-G4402	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19320+00 TO 19345+00
341	CV-G4403	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19345+00 TO 19370+00
342	CV-G4404	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19370+00 TO 19395+00
343	CV-G4405	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19395+00 TO 19420+00
344	CV-G4406	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19420+00 TO 19445+00
345	CV-G4407	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19445+00 TO 19470+00
346	CV-G4408	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19470+00 TO 19495+00
347	CV-G4409	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19495+00 TO 19520+00
348	CV-G4410	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19520+00 TO 19545+00
349	CV-G4411	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19545+00 TO 19570+00
350	CV-G4412	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19570+00 TO 19595+00
351	CV-G4413	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19595+00 TO 19620+00
352	CV-G4414	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19620+00 TO 19645+00
353	CV-G4415	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19645+00 TO 19670+00
354	CV-G4416	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19670+00 TO 19695+00
355	CV-G4416A	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19690+00
356	CV-G4416B	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19690+00
357	CV-G4417	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19695+00 TO 19720+00
358	CV-G4418	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19720+00 TO 19745+00
359	CV-G4419	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19745+00 TO 19770+00
360	CV-G4420	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19770+00 TO 19795+00
361	CV-G4421	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19795+00 TO 19820+00
362	CV-G4422	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19820+00 TO 19845+00
363	CV-G4423	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19845+00 TO 19870+00
364	CV-G4424	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19870+00 TO 19895+00
365	CV-G4425	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19895+00 TO 19920+00
366	CV-G4426	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19920+00 TO 19945+00
367	CV-G4427	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19945+00 TO 19970+00
368	CV-G4428	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19970+00 TO 19995+00
369	CV-G4429	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 19995+00 TO 20020+00
370	CV-G4430	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - STA 20020+00 TO 20045+00
371	CV-G4431	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19640+00
372	CV-G4432	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19727+00
373	CV-G4433	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19727+00
374	CV-G4434	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19727+00
375	CV-G4435	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19941+00
376	CV-G4436	ALTERNATIVE 3 - GRADING AND DRAINAGE - PLAN - ACCESS ROAD STA 19941+00
377	CV-G4501	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20720+00 TO 20745+00
378	CV-G4502	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20745+00 TO 20770+00
379	CV-G4503	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20770+00 TO 20795+00
380	CV-G4504	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20795+00 TO 20820+00
381	CV-G4505	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20820+00 TO 20845+00
382	CV-G4506	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20845+00 TO 20870+00
383	CV-G4507	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20870+00 TO 20895+00
384	CV-G4508	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20895+00 TO 20920+00
385	CV-G4509	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20920+00 TO 20945+00
386	CV-G4510	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20945+00 TO 20970+00
387	CV-G4511	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20970+00 TO 20995+00
388	CV-G4512	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20995+00 TO 21020+00
389	CV-G4513	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21020+00 TO 21045+00
390	CV-G4514	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21045+00 TO 21070+00
391	CV-G4515	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21070+00 TO 21095+00

GRADING AND DRAINAGE PLAN SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
392	CV-G4516	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21095+00 TO 21120+00
393	CV-G4517	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21120+00 TO 21145+00
394	CV-G4518	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21145+00 TO 21170+00
395	CV-G4519	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21170+00 TO 21195+00
396	CV-G4520	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21195+00 TO 21220+00
397	CV-G4521	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21220+00 TO 21245+00
398	CV-G4522	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 20995+00 TO 21020+00
399	CV-G4523	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21020+00 TO 21045+00
400	CV-G4524	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21045+00 TO 21070+00
401	CV-G4525	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21070+00 TO 21095+00
402	CV-G4526	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21095+00 TO 21120+00
403	CV-G4527	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21120+00 TO 21145+00
404	CV-G4528	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21145+00 TO 21170+00
405	CV-G4529	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21170+00 TO 21195+00
406	CV-G4530	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21195+00 TO 21220+00
407	CV-G4531	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21120+00 TO 21145+00
408	CV-G4532	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21145+00 TO 21170+00
409	CV-G4533	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - STA 21170+00 TO 21195+00
410	CV-G4534	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20805+00
411	CV-G4535	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20805+00
412	CV-G4536	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20805+00
413	CV-G4538	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20860+00
414	CV-G4539	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20915+00
415	CV-G4540	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20942+00
416	CV-G4541	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20915+00
417	CV-G4542	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20942+00
418	CV-G4543	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20968+00
419	CV-G4544	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 20968+00
420	CV-G4545	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21021+00
421	CV-G4546	ALTERNATIVE 5 - GRADING AND DRAINAGE - PLAN - ROAD CROSSING STA 21128+00

Projects\701206_00_CHSRBP_00_CADD\Sheet_Files\CV\G\BP-CV-G0005

12/22/2020 12:53:04 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

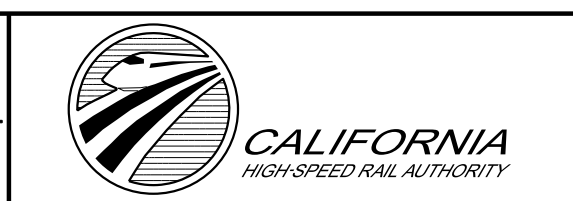
CHECKED BY
G. CAMPBELL

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
INDEX OF DRAWING
SHEET 5 OF 6

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0005

SCALE
NO SCALE

SHEET NO.
6

RETAINING WALL PLAN AND PROFILE SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
422	ST-G1001	ALTERNATIVE 1,2,3,5 - RETAINING WALL - MORNING DRIVE - PLAN AND PROFILE
423	ST-G1002	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON ROAD - PLAN AND PROFILE
424	ST-G1003	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON MOIS - PLAN AND PROFILE
425	ST-G1004	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON MOIS - PLAN AND PROFILE
426	ST-G1005	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18168 - PLAN AND PROFILE
427	ST-G1006	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18335 - PLAN AND PROFILE
428	ST-G1007	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18430 - PLAN AND PROFILE
429	ST-G1008	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18473 - PLAN AND PROFILE
430	ST-G1009	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18769 (STATE ROUTE 58) - PLAN AND PROFILE
431	ST-G1010	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18781 AND 18783 (STATE ROUTE 58) - PLAN AND PROFILE
432	ST-G1011	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18789 AND 18790 (STATE ROUTE 58) - PLAN AND PROFILE
433	ST-G1012	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18792 (STATE ROUTE 58) - PLAN AND PROFILE
434	ST-G1013	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
435	ST-G1014	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18875 - PLAN AND PROFILE
436	ST-G1015	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 19087 AND 19088 - PLAN AND PROFILE
437	ST-G1016	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE G - PLAN AND PROFILE
438	ST-G1017	ALTERNATIVE 1,2,3 - RETAINING WALL - SIERRA HIGHWAY - PLAN AND PROFILE
439	ST-G1018	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE H - PLAN AND PROFILE
440	ST-G1019	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
441	ST-G1020	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
442	ST-G1021	ALTERNATIVE 1,2,3 - RETAINING WALL - LANCASTER BLVD - PLAN AND PROFILE
443	ST-G1022	ALTERNATIVE 1,2,3 - RETAINING WALL - LANCASTER BLVD - PLAN AND PROFILE
444	ST-G1023	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
445	ST-G1024	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
446	ST-G1025	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
447	ST-G1026	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
448	ST-G1027	ALTERNATIVE 1,2,3 - RETAINING WALL - 20969 - PLAN AND PROFILE
449	ST-G1028	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE L - PLAN AND PROFILE
450	ST-G1029	ALTERNATIVE 1,2,3,5 - RETAINING WALL - AVENUE N - PLAN AND PROFILE
451	ST-G1030	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE N - PLAN AND PROFILE
452	ST-G1031	ALTERNATIVE 2 - RETAINING WALL - 17492 - PLAN AND PROFILE
453	ST-G1032	ALTERNATIVE 2 - RETAINING WALL - 17530 - PLAN AND PROFILE
454	ST-G1033	ALTERNATIVE 2 - RETAINING WALL - 17617 AND 17623 - PLAN AND PROFILE
455	ST-G1034	ALTERNATIVE 2 - RETAINING WALL - 17726 AND 17734 - PLAN AND PROFILE
456	ST-G1035	ALTERNATIVE 5 - RETAINING WALL - SIERRA HIGHWAY - PLAN AND PROFILE
457	ST-G1036	ALTERNATIVE 5 - RETAINING WALL - AVENUE G - PLAN AND PROFILE
458	ST-G1037	ALTERNATIVE 5 - RETAINING WALL - AVENUE H - PLAN AND PROFILE
459	ST-G1038	ALTERNATIVE 5 - RETAINING WALL - AVENUE I AND SIERRA HIGHWAY - PLAN AND PROFILE
460	ST-G1039	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
461	ST-G1040	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
462	ST-G1041	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
463	ST-G1042	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
464	ST-G1043	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
465	ST-G1044	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
466	ST-G1045	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
467	ST-G1046	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
468	ST-G1047	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0006

8:10:20 PM

3/17/2021

andrew.carson@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. YAMANAKA
DRAWN BY V. CERON
CHECKED BY G. CAMPBELL
IN CHARGE G. CAMPBELL
DATE 01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL

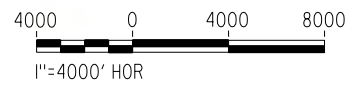
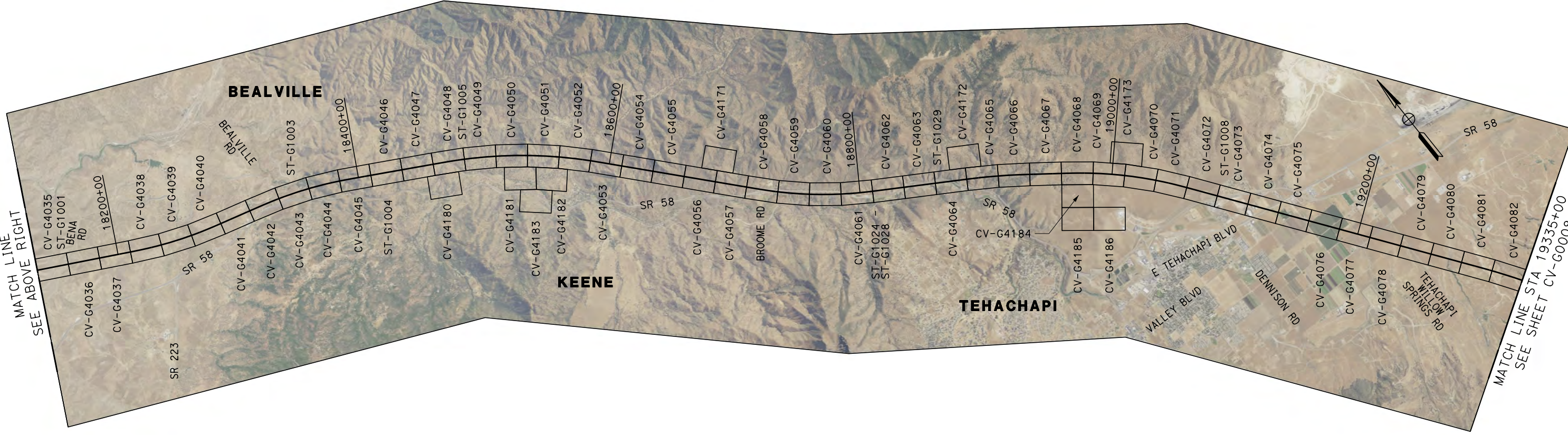
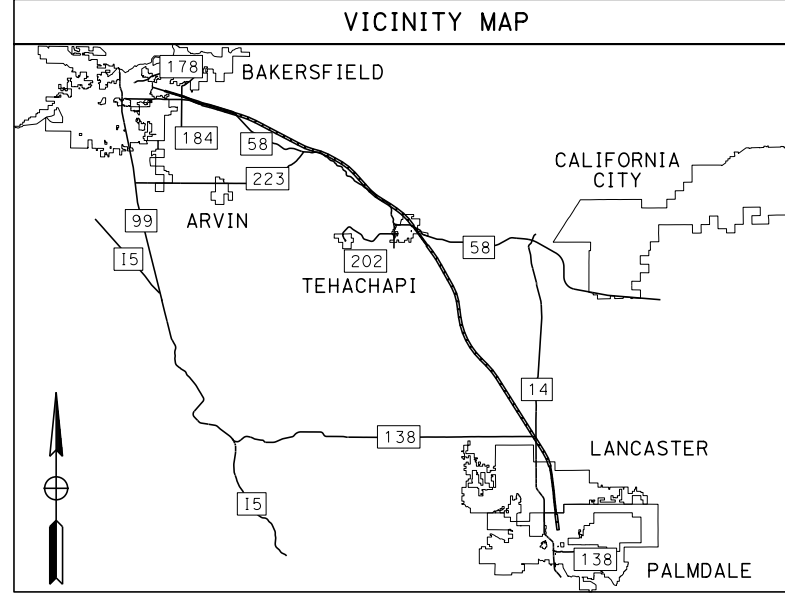
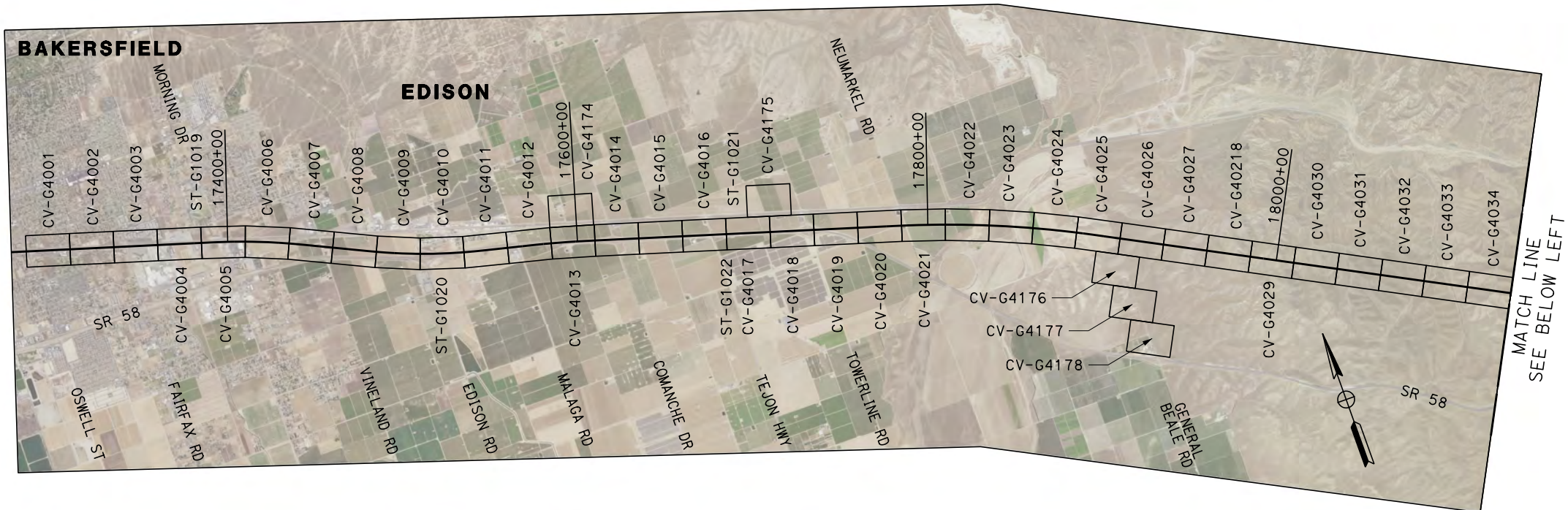


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GENERAL
INDEX OF DRAWING
SHEET 6 OF 6

CONTRACT NO. HSR13-44
DRAWING NO. CV-G0006
SCALE NO SCALE
SHEET NO. 7

ALTERNATIVE 1



12/22/2020 12:56:41 AM Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0007 Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
V. CERON
 CHECKED BY
G. CAMPBELL
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION

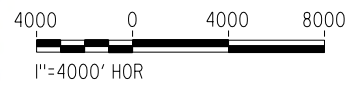
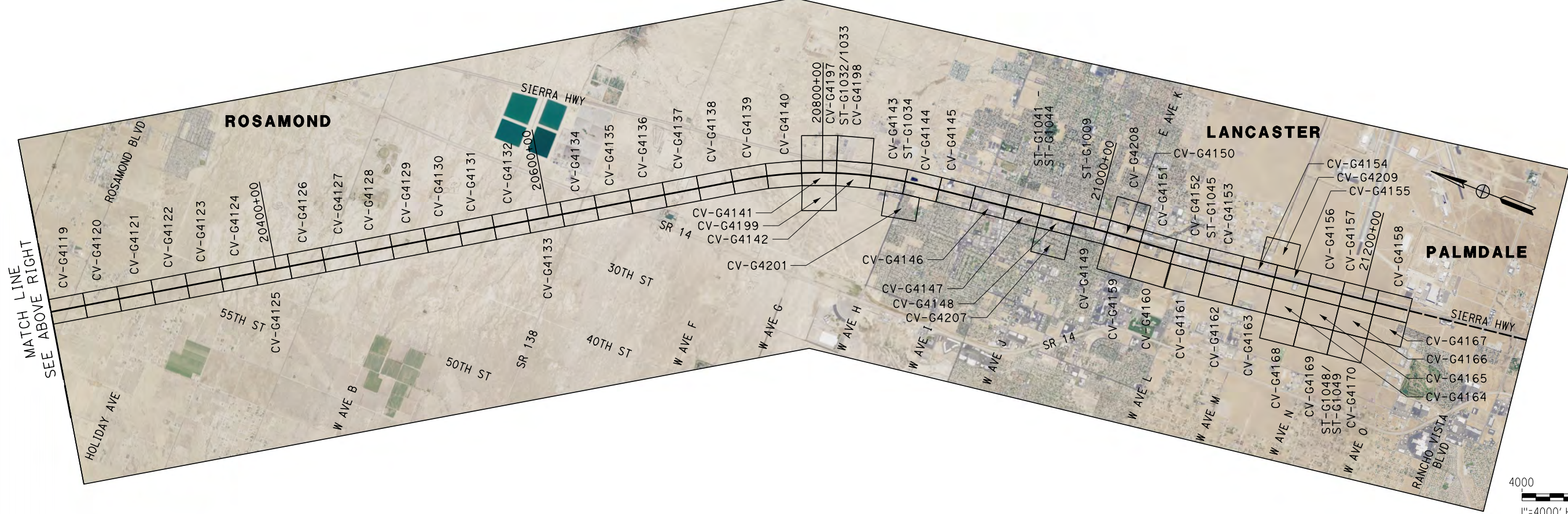
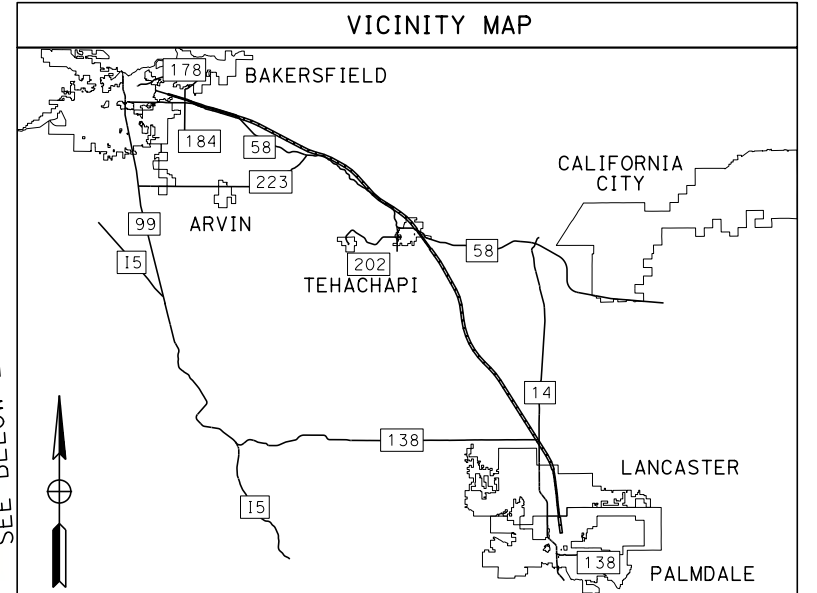
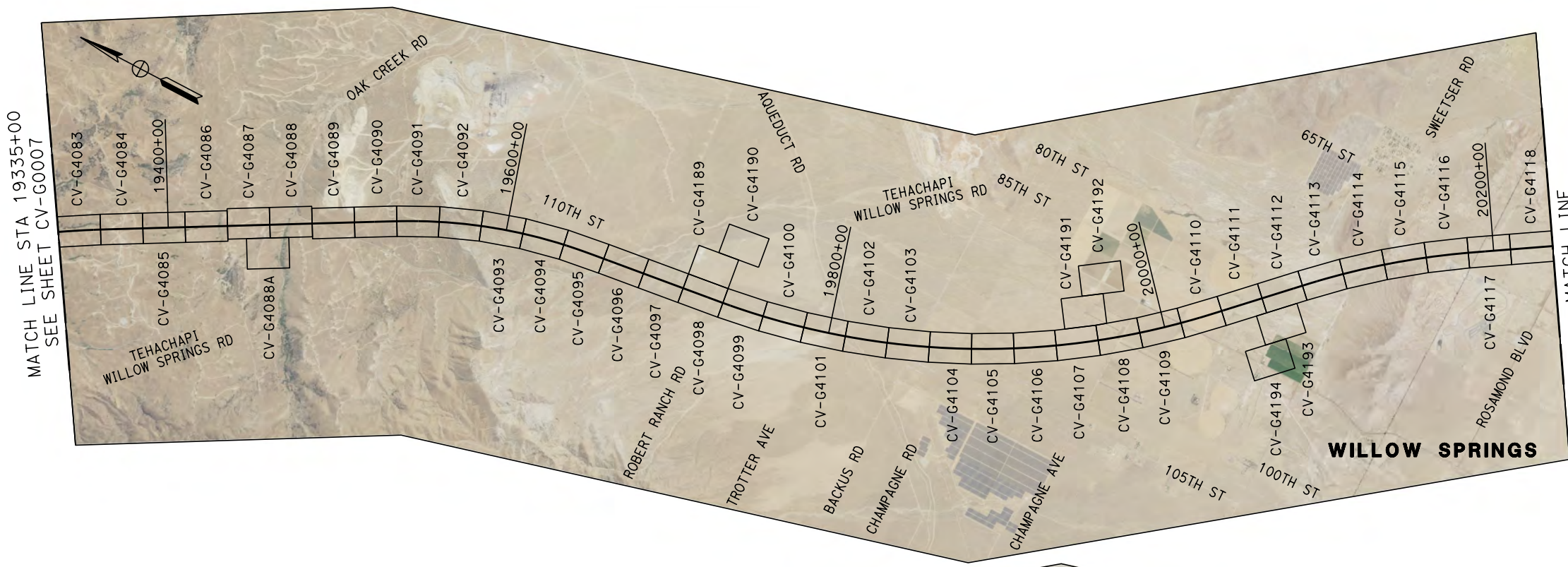


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1
 GENERAL
 KEY MAP
 SHEET 1 OF 2

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G0007
 SCALE
AS SHOWN
 SHEET NO.
8

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0008 12/22/2020 12:53:32 AM Glenn.Yamanaka@tylin.com

ALTERNATIVE 1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
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
KEY MAP
SHEET 2 OF 2

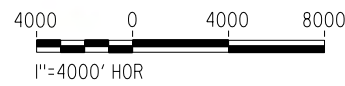
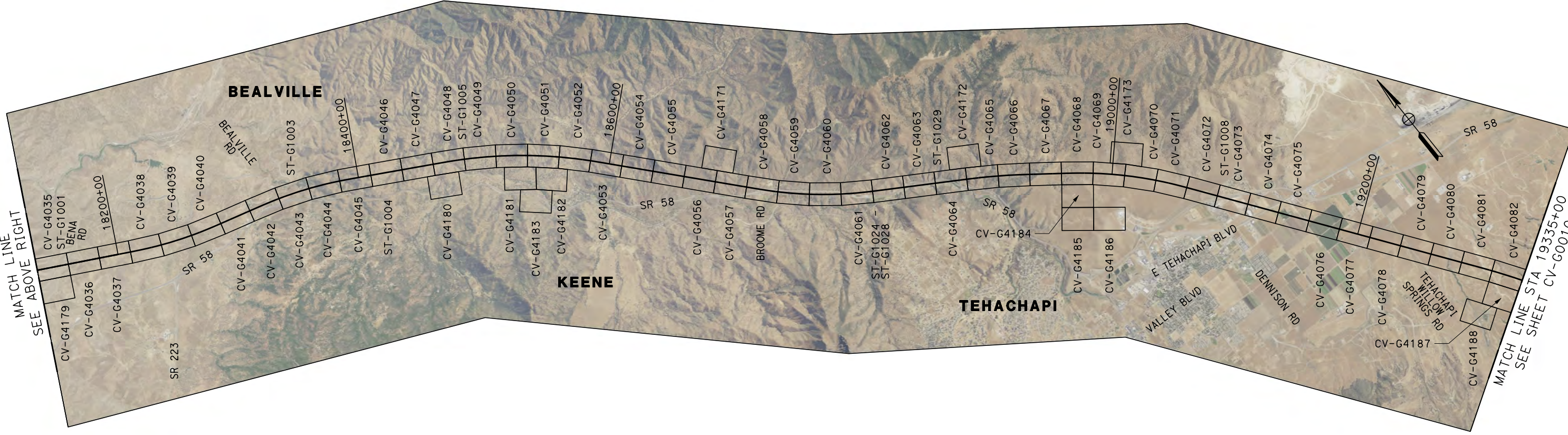
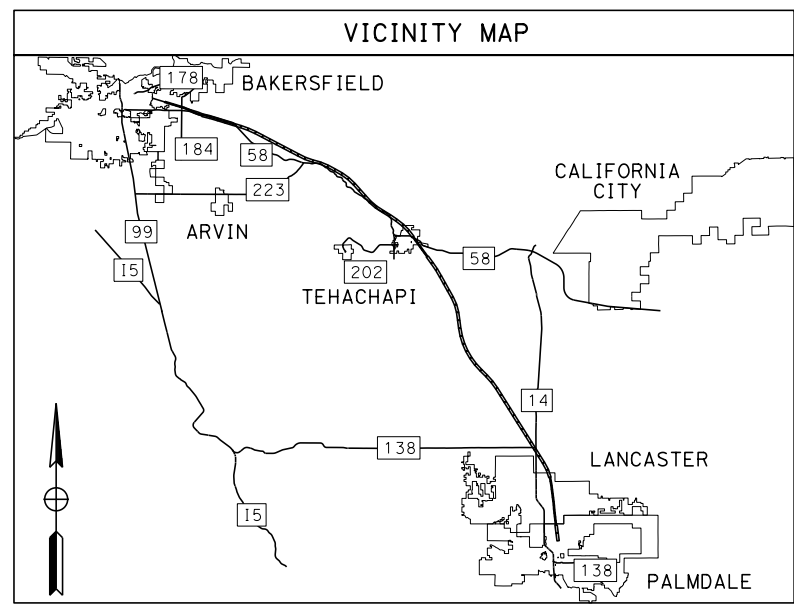
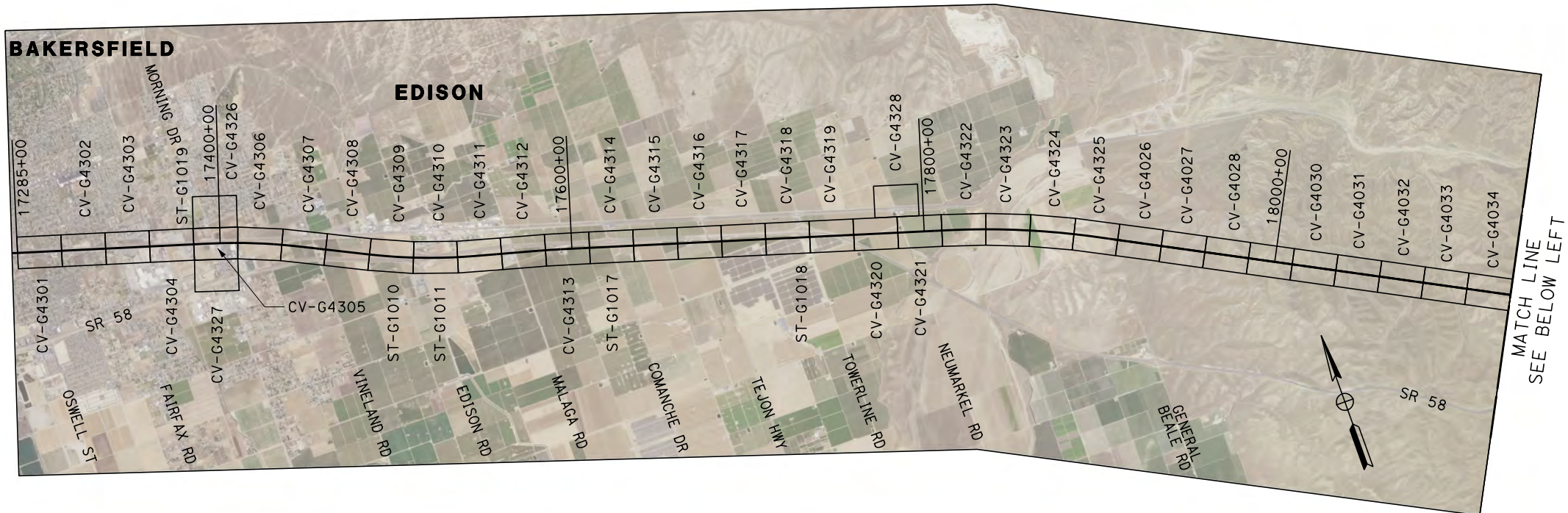
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0008

SCALE
AS SHOWN

SHEET NO.
9

ALTERNATIVE 2



Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G0009

12/22/2020 12:56:35 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

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

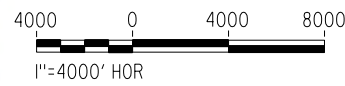
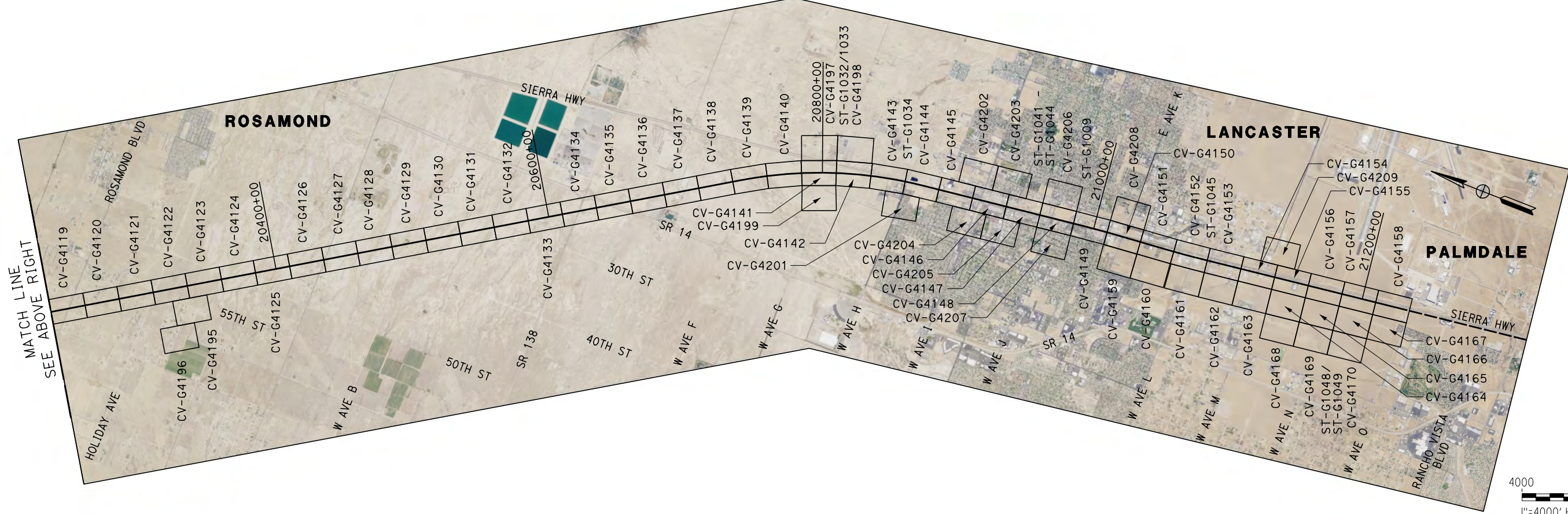
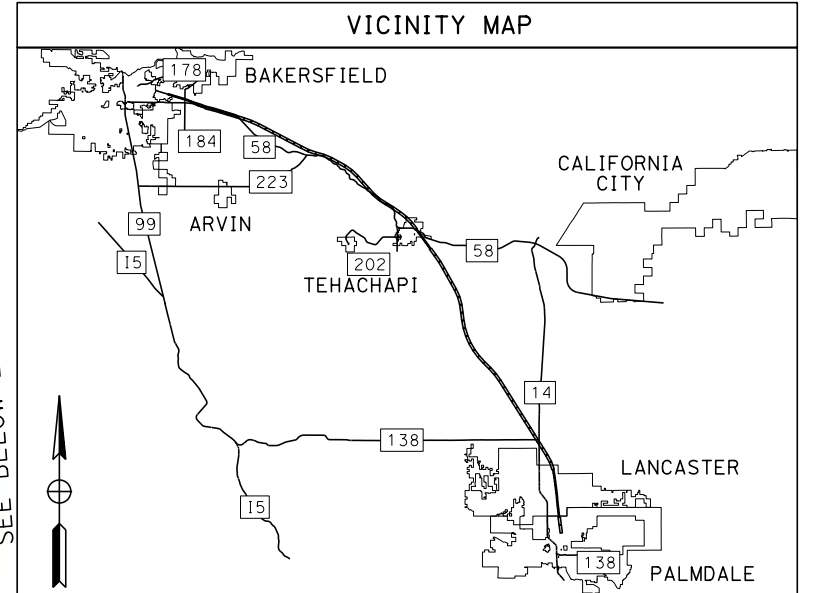
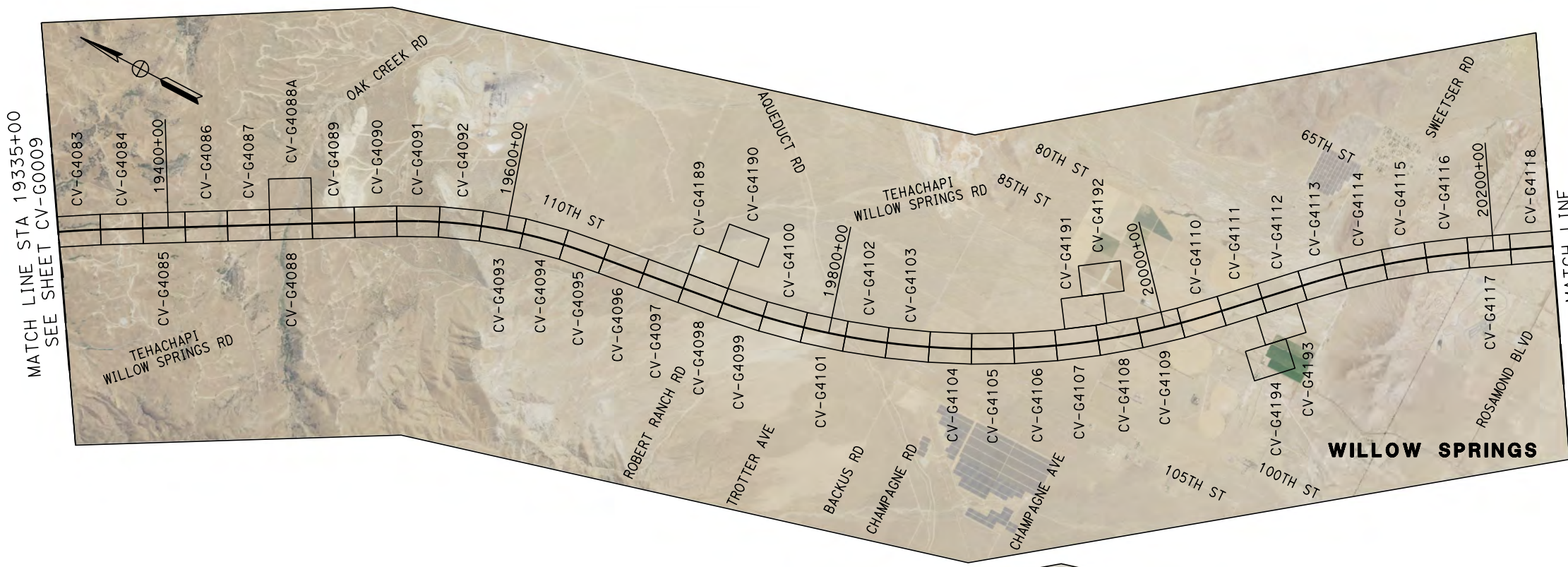
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0009

SCALE
AS SHOWN

SHEET NO.
10

ALTERNATIVE 2



Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0010

12/22/2020 12:53:16 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

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 2 OF 2

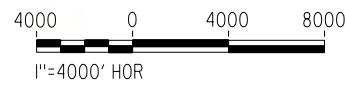
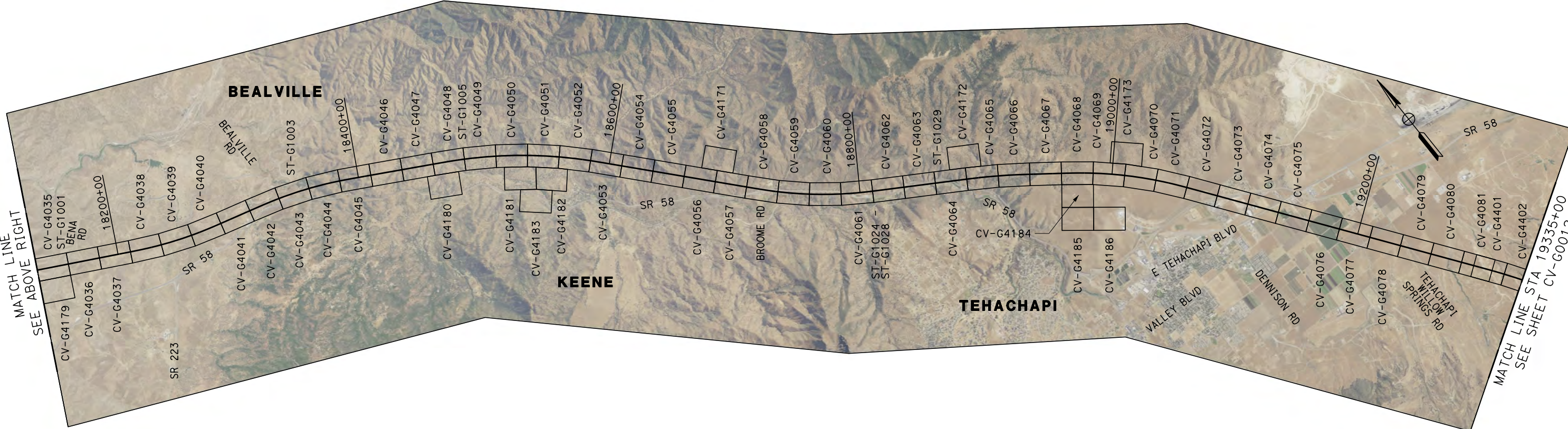
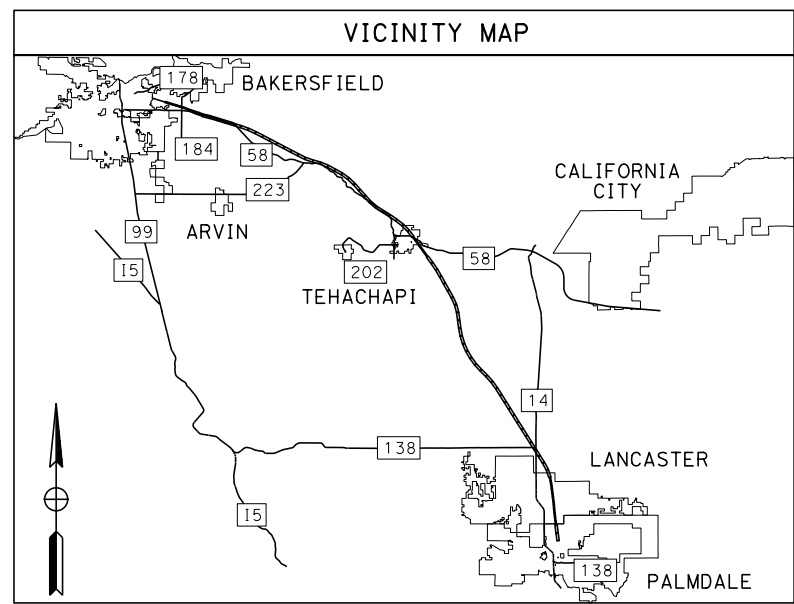
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0010

SCALE
AS SHOWN

SHEET NO.
11

ALTERNATIVE 3



Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G_BP-CV-G0011

12/22/2020 12:53:39 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 3
GENERAL
KEY MAP
SHEET 1 OF 2

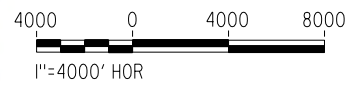
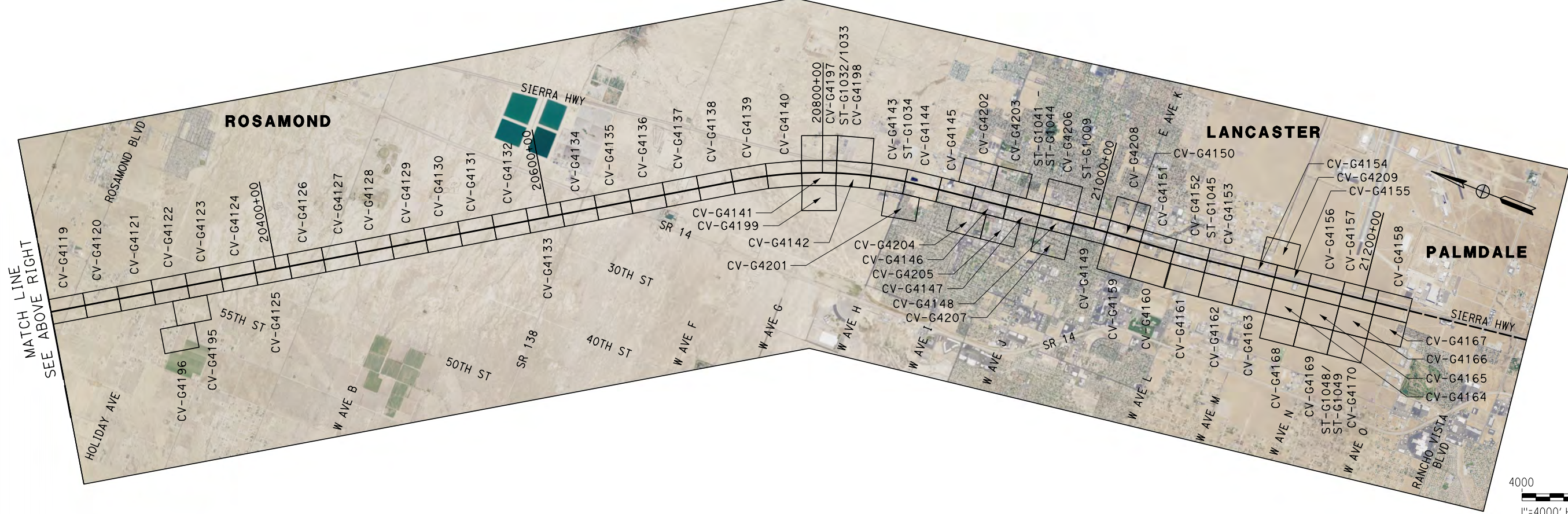
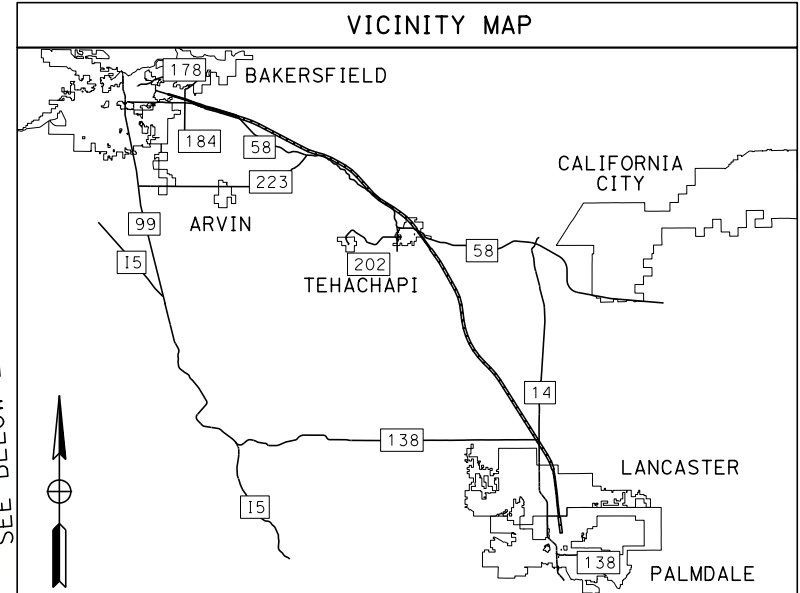
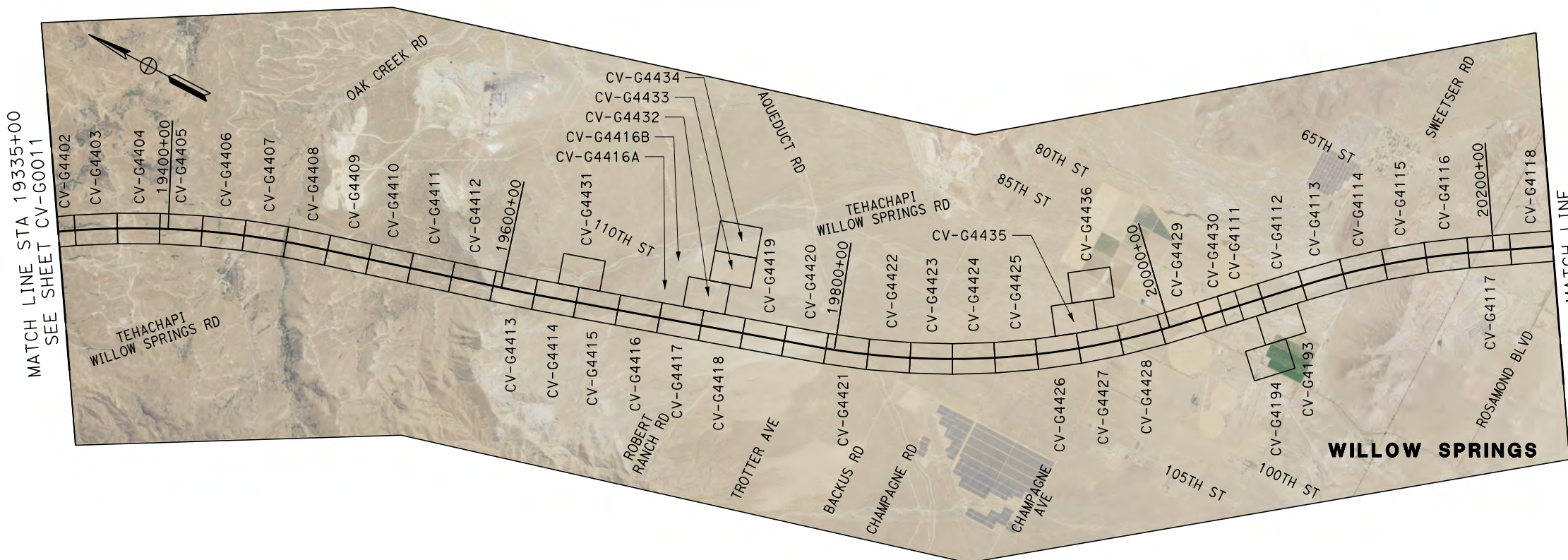
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0011

SCALE
AS SHOWN

SHEET NO.
12

ALTERNATIVE 3



Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G0012

12/22/2020 12:53:22 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 3
GENERAL
KEY MAP
SHEET 2 OF 2

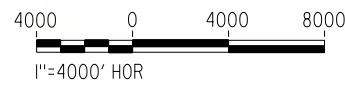
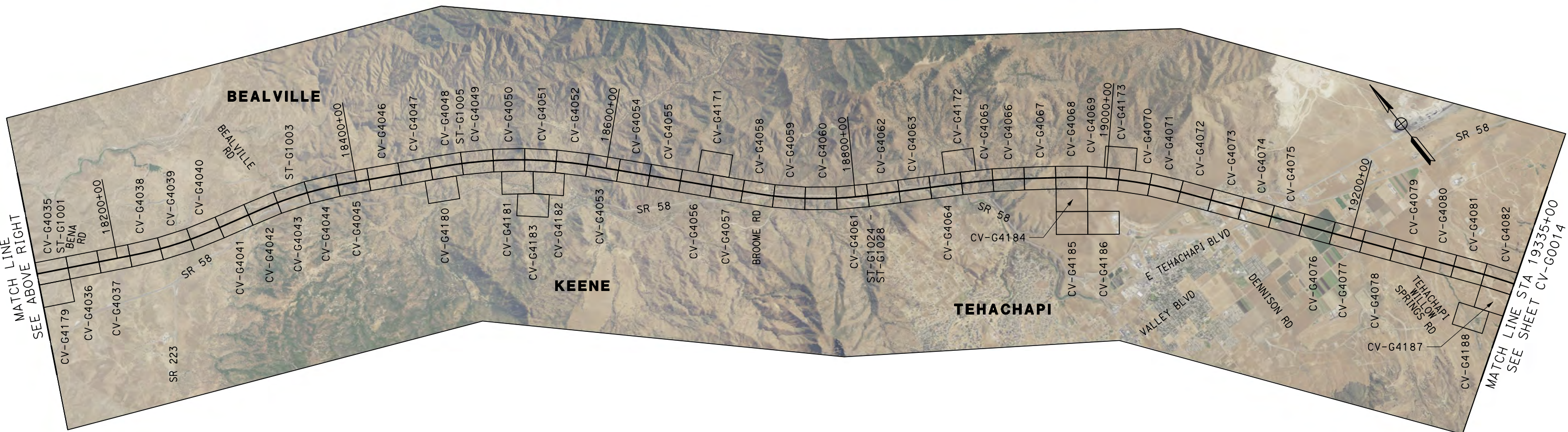
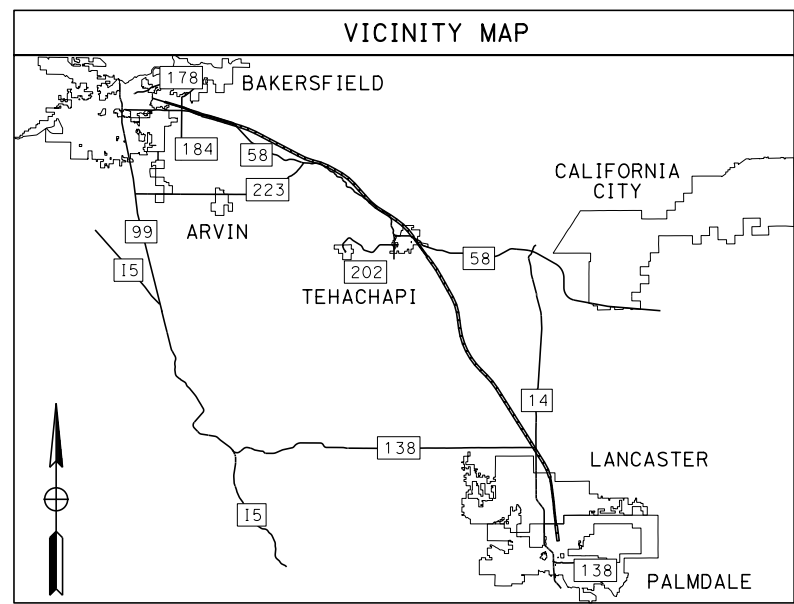
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0012

SCALE
AS SHOWN

SHEET NO.
13

ALTERNATIVE 5



Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G0013

12/22/2020 12:56:32 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 5
GENERAL
KEY MAP
SHEET 1 OF 2

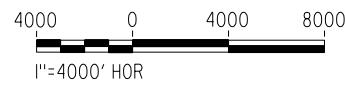
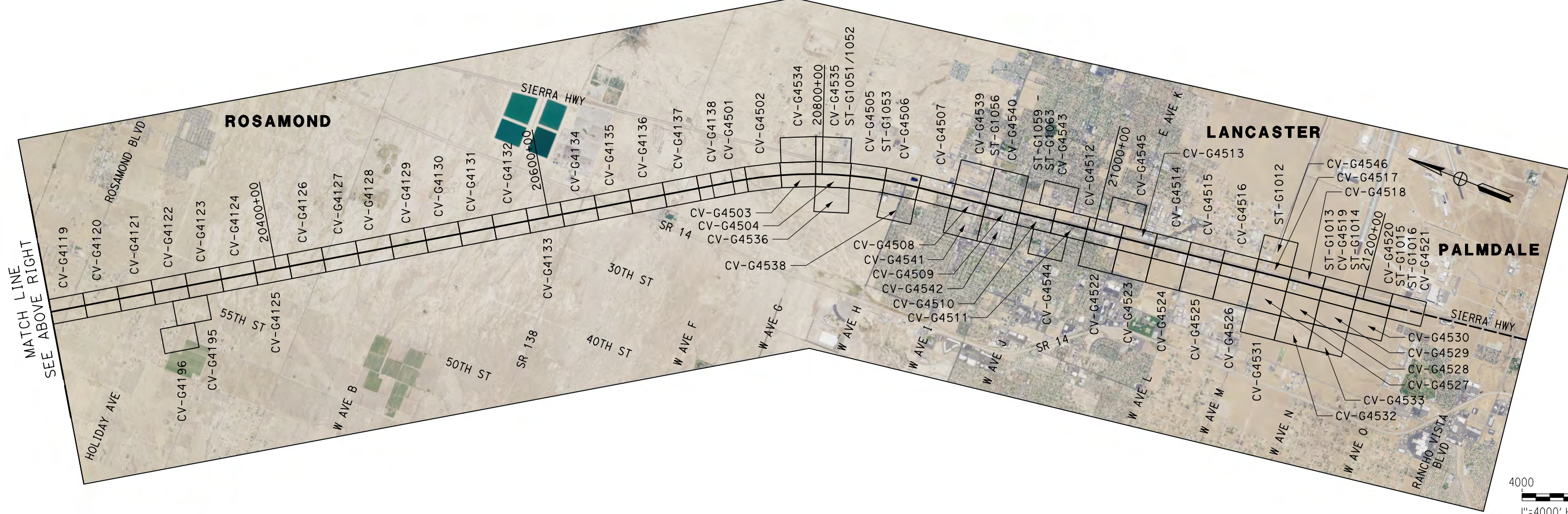
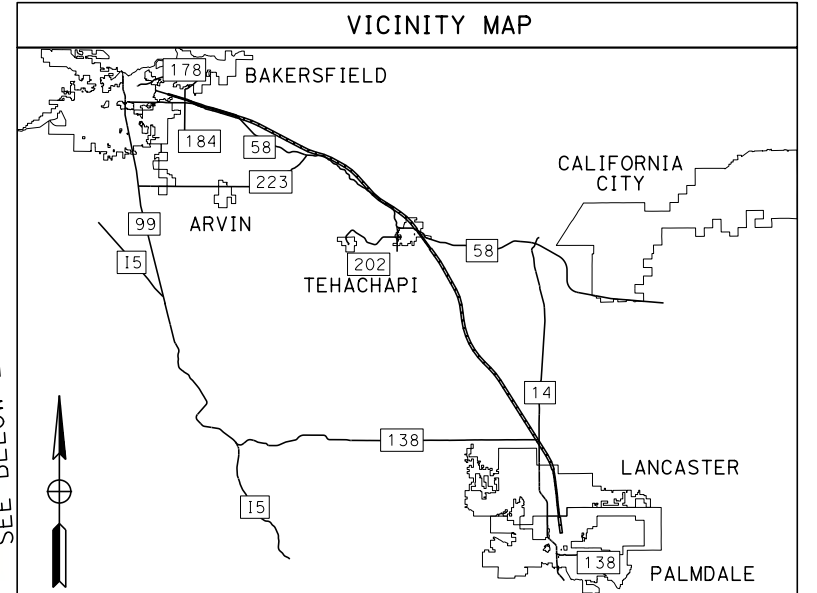
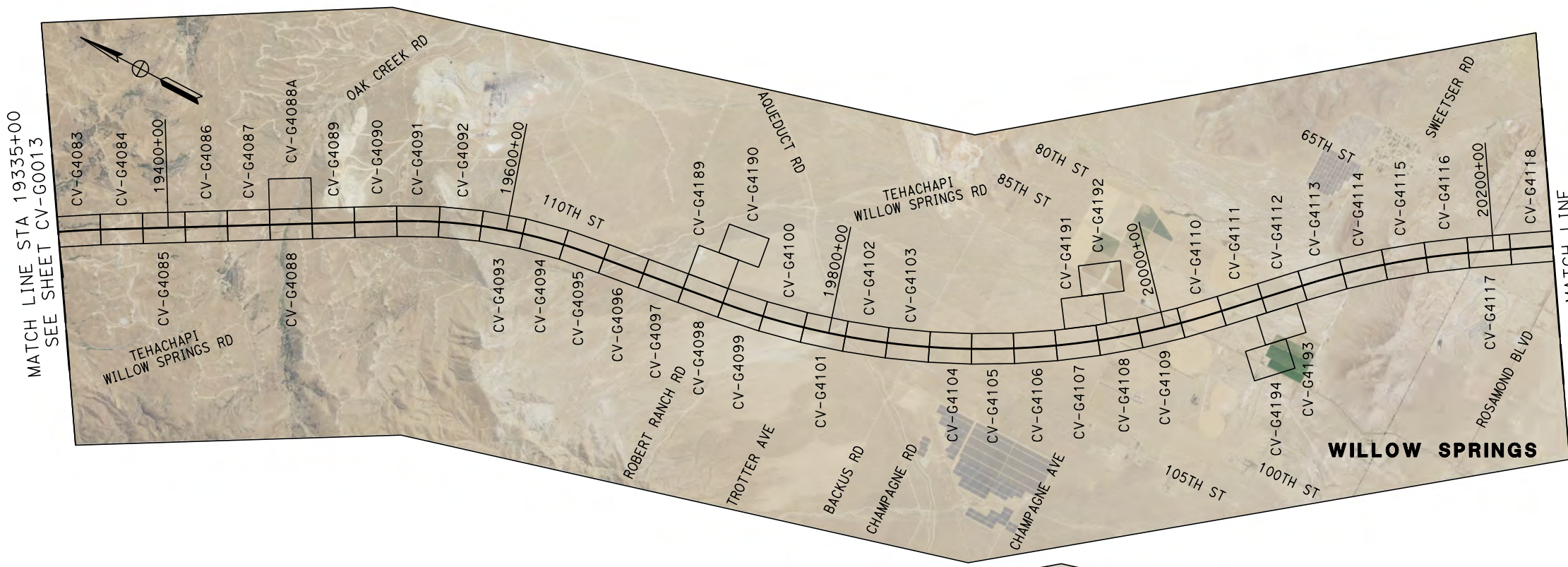
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0013

SCALE
AS SHOWN

SHEET NO.
14

ALTERNATIVE 5



Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0014

12/22/2020 12:53:36 AM

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 5
GENERAL
KEY MAP
SHEET 2 OF 2

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0014

SCALE
AS SHOWN


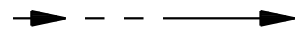
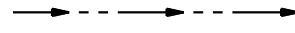
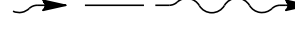



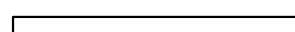
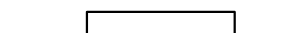



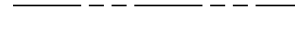



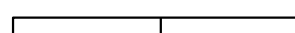

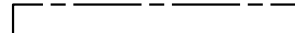


SHEET NO.
15

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0015

12/22/2020 12:56:24 AM

Glenn.Yamanaka@tylin.com

LEGEND

-  NORTH ARROW
-  OFFSITE DRAINAGE DITCH (OFFSITE DITCH)
-  ONSITE DRAINAGE DITCH (ONSITE DITCH)
-  ROADWAY DRAINAGE DITCH (ROADWAY DITCH)
-  EXISTING STORM DRAIN
-  PROPOSED ONSITE STORM DRAIN (ONSITE CULVERT)
-  PROPOSED PROFILED OFFSITE STORM DRAIN (OFFSITE CULVERT "XXXXX+XX")
-  PROPOSED NON PROFILED OFFSITE STORM DRAIN (SD)
-  PROPOSED DRAINAGE BASIN (ONSITE BASIN / COLLECTION BASIN / SPREADER BASIN)
-  ROCK SLOPE PROTECTION PAD (RSP)
-  DRAINAGE INLET (DI)
-  DRAINAGE MANHOLE (MH)
-  RETAINING WALL
-  PROP CHSR R/W
-  CUT GRADING LIMIT (C)
-  FILL GRADING LIMIT (F)
-  TUNNEL
-  VIADUCT
-  WILDLIFE CROSSING
-  ACCESS ROAD CROSSING PANEL
-  100-YEAR FEMA FLOODPLAIN BOUNDARY

ABBREVIATIONS

- CHSR NB ☉ CALIFORNIA HIGH SPEED RAIL NORTH BOUND CENTERLINE
- CHSR SB ☉ CALIFORNIA HIGH SPEED RAIL SOUTH BOUND CENTERLINE
- FG FINISHED GROUND
- FL FLOW LINE
- HW HEADWALL
- LMF LIGHT MAINTENANCE FACILITY
- MOIF MAINTENANCE OF INFRASTRUCTURE FACILITY
- MOIS MAINTENANCE OF INFRASTRUCTURE SIDING
- OG ORIGINAL GROUND
- PPEF PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
- PTEF PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
- RCB REINFORCED CONCRETE BOX
- RCP REINFORCED CONCRETE PIPE
- RSP ROCK SLOPE PROTECTION
- R/W RIGHT OF WAY
- RW RETAINING WALL
- S SLOPE
- SD STORM DRAIN
- STA STATION

GENERAL NOTES

NOTES

1. CULVERT STATION DESIGNATED AT THE INTERSECTION OF THE CHSR SB CONTROL LINE STATION AND THE CULVERT CENTERLINE.
2. RSP, BASIN, AND DITCH LOCATIONS ARE SCHEMATIC. GRADING TO BE PROVIDED DURING FINAL ENGINEERING.
3. PROPOSED FINISHED GRADING IS NOT REFLECTED NEAR TUNNEL PORTALS, BRIDGE CONES, TRACK FACILITIES, AND ROADS. GRADING TO BE PROVIDED DURING FINAL ENGINEERING.
4. SLOPE FILL TO BE USED, AS NEEDED, TO ALLOW FOR POSITIVE ONSITE DITCH DRAINAGE ABOVE THE PROPOSED OFFSITE DRAINAGE CULVERTS.
5. SUBSTANTIAL NATURAL WATERCOURSES THAT HAVE BEEN ENCLOSED INTO BY ACCESS ROAD OR TRACK FILL MAY NEED TO BE REALIGNED. LOCATIONS TO BE LOCATED AND ANALYZED DURING FINAL ENGINEERING.
6. TRACTION POWER AND TRAIN CONTROL FACILITY GRADING TO BE PROVIDED DURING FINAL ENGINEERING.
7. REFER TO ENGINEERING TECHNICAL MEMO 2.6.5 FOR HYDRAULIC AND HYDROLOGY DESIGN GUIDELINES.
8. RSP TO BE PLACED ALONG THE EDGE OF ALL ACCESS ROADS WITHIN FLOODPLAIN BOUNDARIES.

PROFILE NOTES

1. PROFILE CUT ALONG CULVERT CENTERLINE.
2. CULVERT PROFILES DO NOT REFLECT RSP, BASIN, AND DITCH GRADING.

WATER QUALITY NOTES

1. TRACK AND ACCESS ROAD BMP DESIGNS TO BE COMPLETED AFTER CONSULTATION WITH THE APPROPRIATE REGULATORY AGENCIES DURING FINAL ENGINEERING.
2. ACCESS ROAD CURB(S) SHALL DIRECT STORMWATER TO STORM DRAIN (SD), SLOPE DOWN DRAIN, AND/OR BMP. SUPERELEVATE ACCESS ROAD, AS NEEDED, TO DIRECT STORMWATER TO BMP.

ROADWAY UNDERCROSSING PUMP STATION NOTE

1. ROADWAY UNDERCROSSING PUMP STATION LOCATIONS ARE SCHEMATIC. DESIGN TO BE COMPLETED DURING FINAL ENGINEERING.

UTILITY NOTES

1. IT IS ASSUMED THAT ALL EXISTING DRAINAGE UTILITIES THAT ARE LOCATED WITHIN THE HSR TRACK GRADING LIMITS WILL BE REMOVED AND ALL EXISTING DRAINAGE UTILITIES THAT ARE LOCATED WITHIN ROADWAY OR ACCESS ROAD GRADING LIMITS WILL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON PLANS.
2. THE OFFSITE DISPOSITION/RECONNECTION OF REMOVED DRAINAGE UTILITIES (ITEM 1) WILL BE DETERMINED DURING FINAL ENGINEERING AND IN CONSULTATION WITH THE JURISDICTIONAL AGENCY AND/OR PROPERTY OWNER.
3. THE DISPOSITION OF EXISTING DRAINAGE FACILITIES THAT ARE LOCATED ALONGSIDE BUT WITHIN THE PROJECT FOOTPRINT, WILL BE DETERMINED DURING FINAL ENGINEERING.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
V. CERON

CHECKED BY
G. CAMPBELL

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
LEGEND, ABBREVIATIONS, AND GENERAL NOTES

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0015

SCALE
NO SCALE

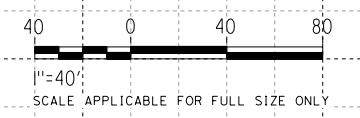
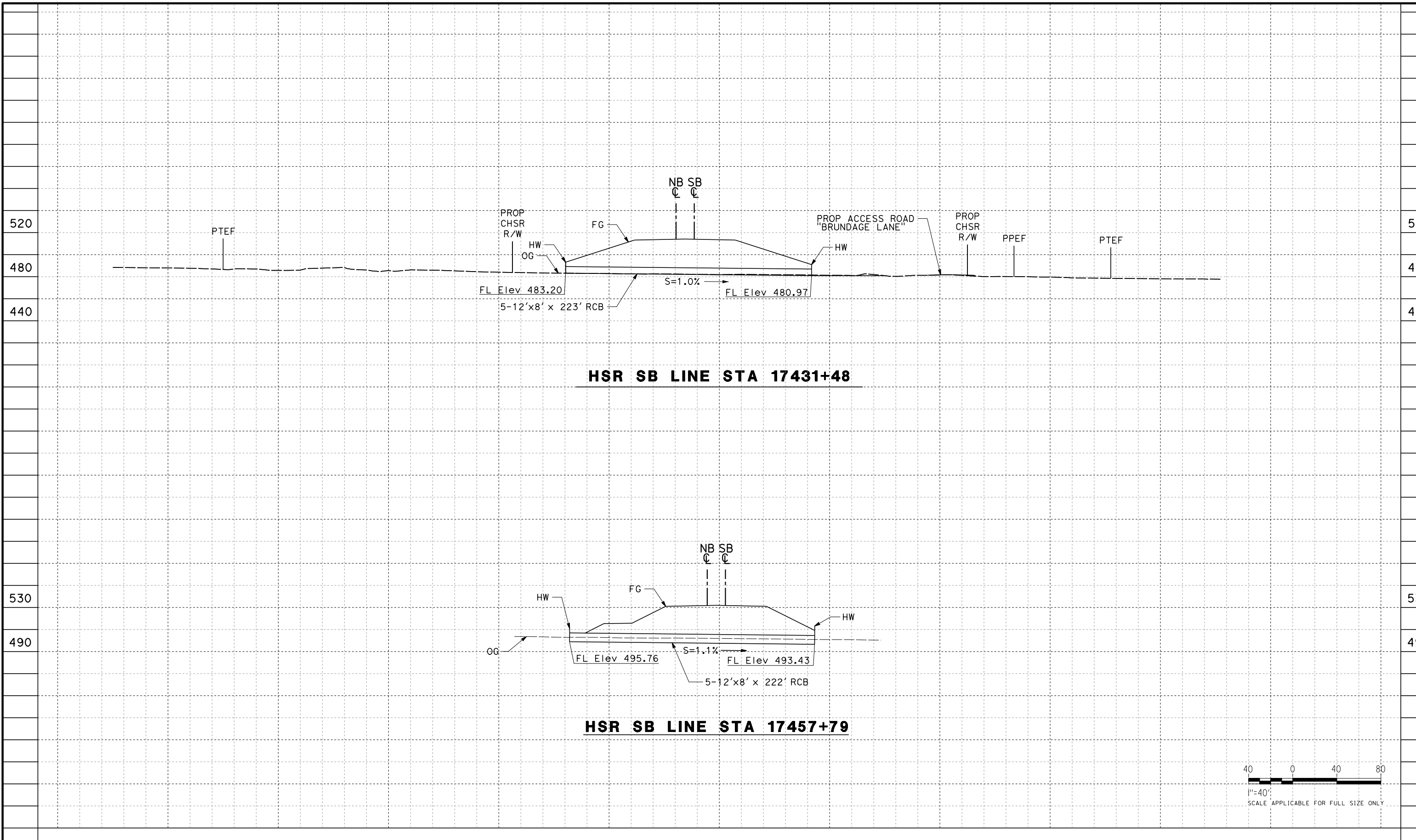
SHEET NO.
16

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1001

4:07:48 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17431, 17458

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1001

SCALE
AS SHOWN

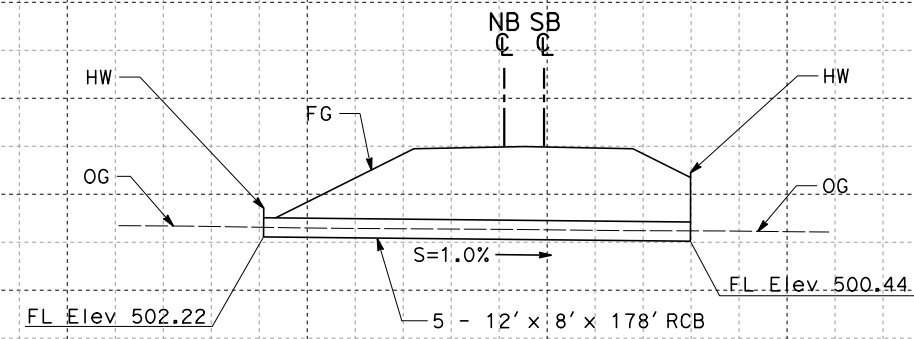
SHEET NO.
17

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1002

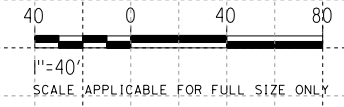
4:07:49 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17474+19



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17474

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1002

SCALE
AS SHOWN

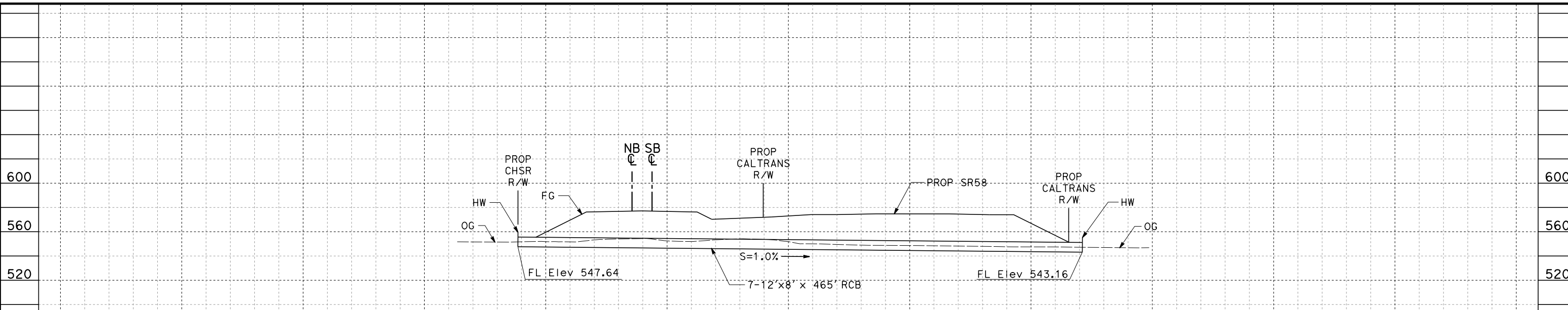
SHEET NO.
18

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1003

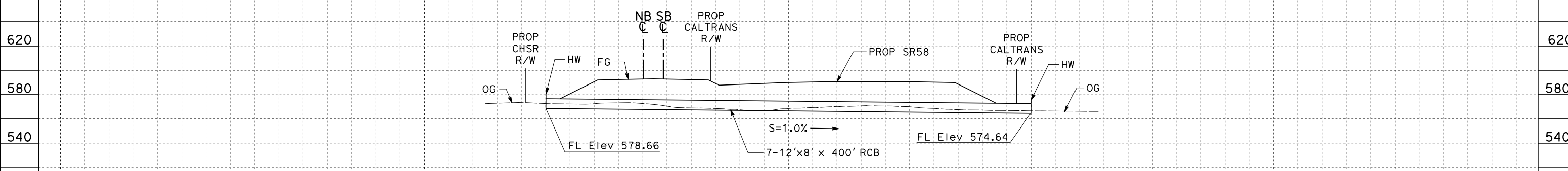
4:07:50 PM

1/13/2021

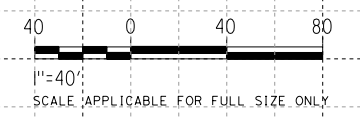
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17531+70



HSR SB LINE STA 17548+23



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17532, 17548

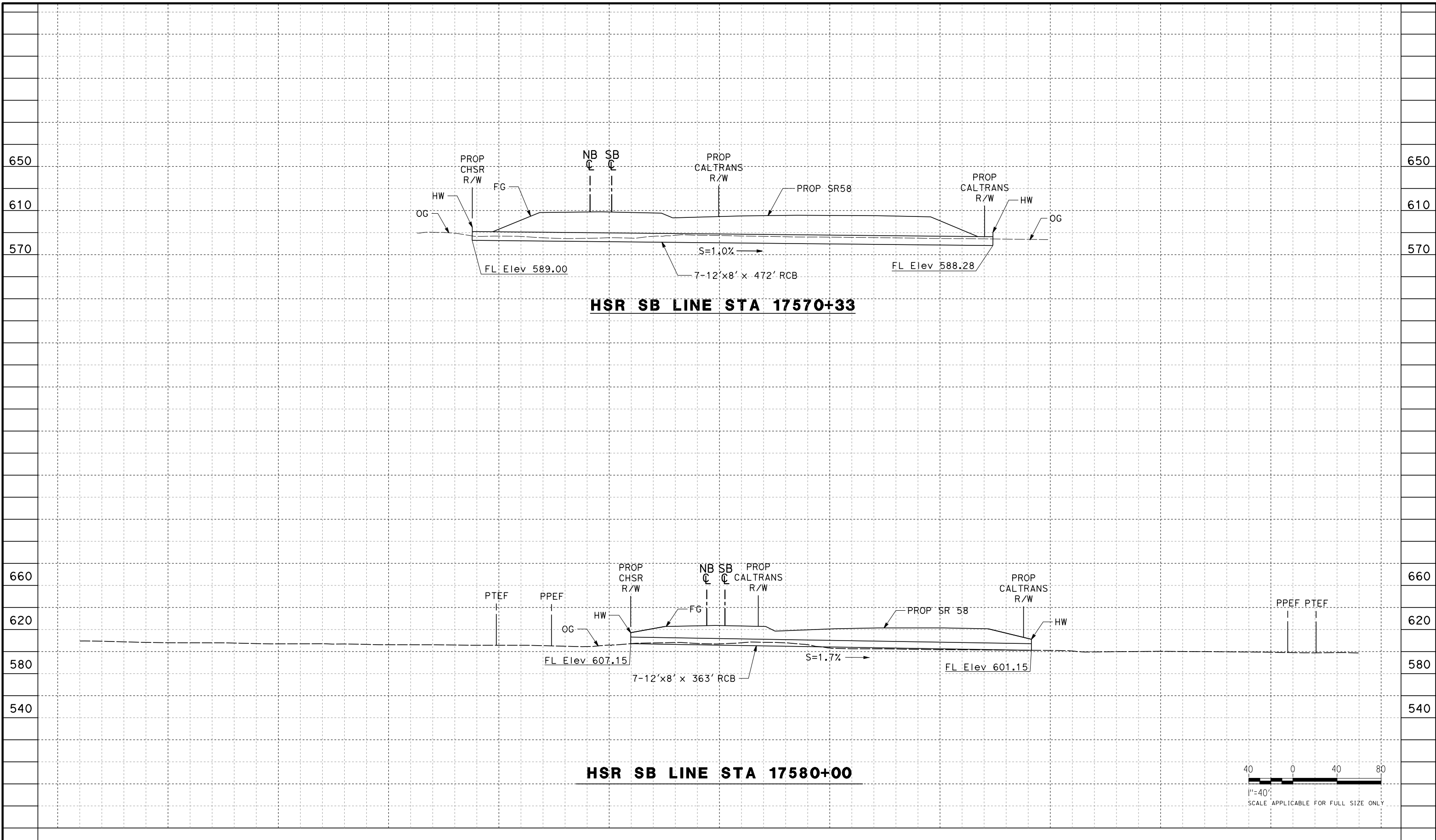
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1003
SCALE
AS SHOWN
SHEET NO.
19

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1004

4:07:51 PM

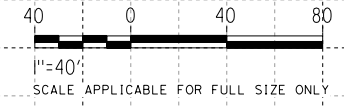
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17570+33

HSR SB LINE STA 17580+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17570, 17580

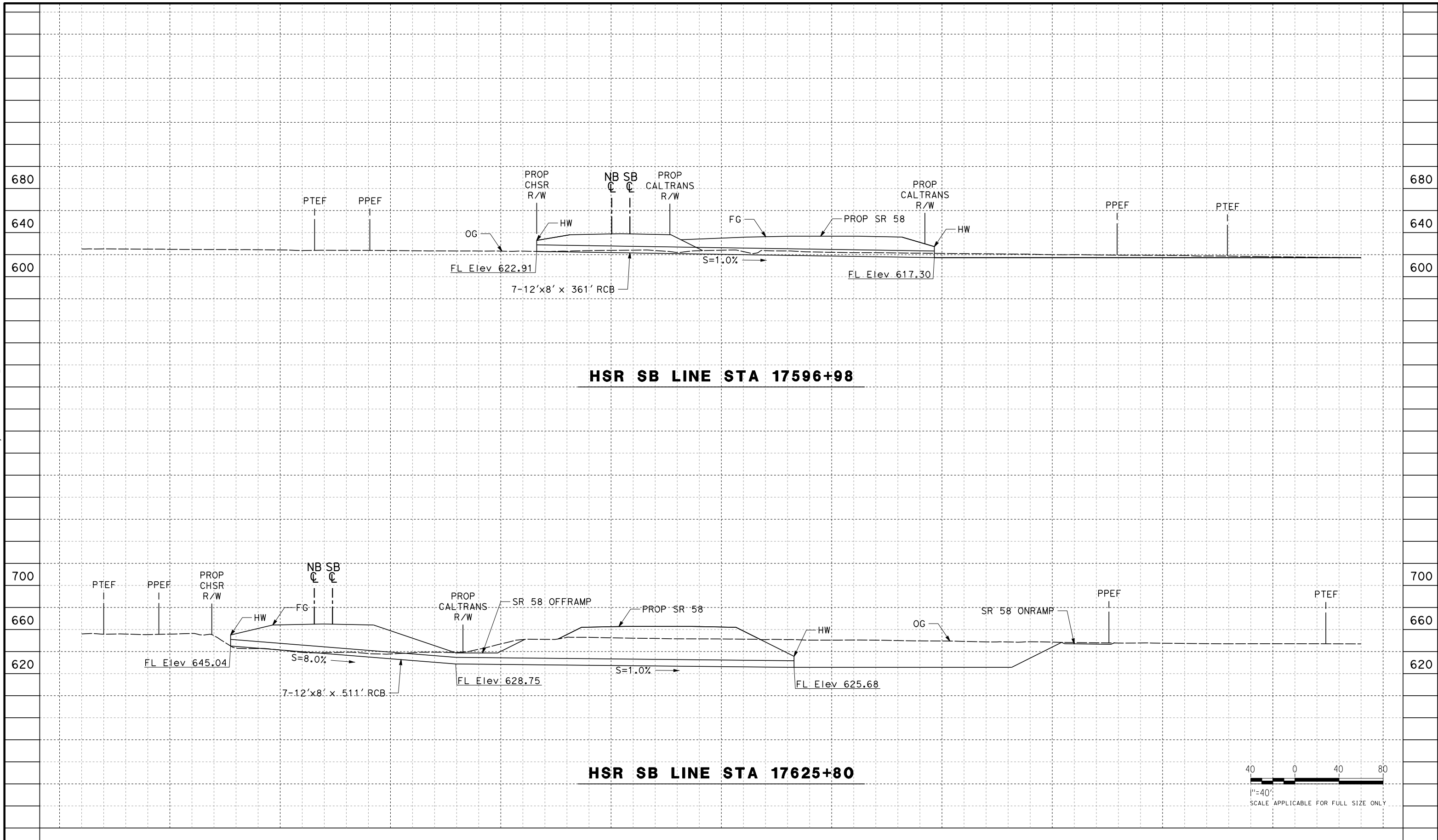
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1004
SCALE
AS SHOWN
SHEET NO.
20

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1004A

4:11:34 PM

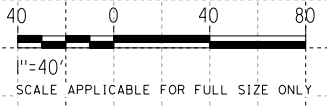
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17596+98

HSR SB LINE STA 17625+80



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17597, 17626

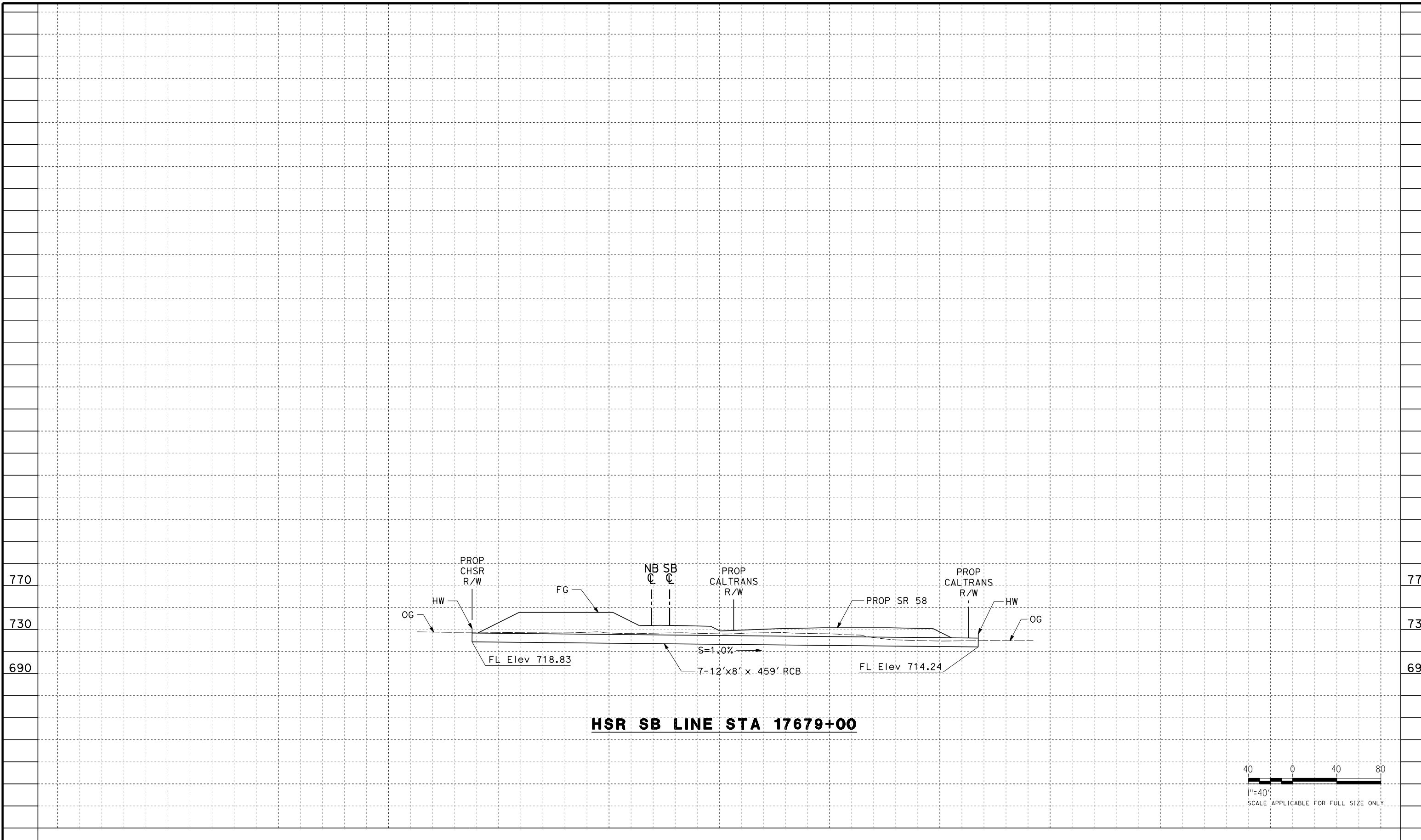
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1004A
SCALE
AS SHOWN
SHEET NO.
21

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1005

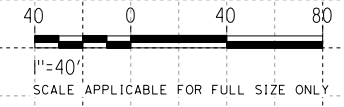
4:07:52 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17679+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17679

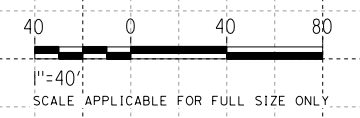
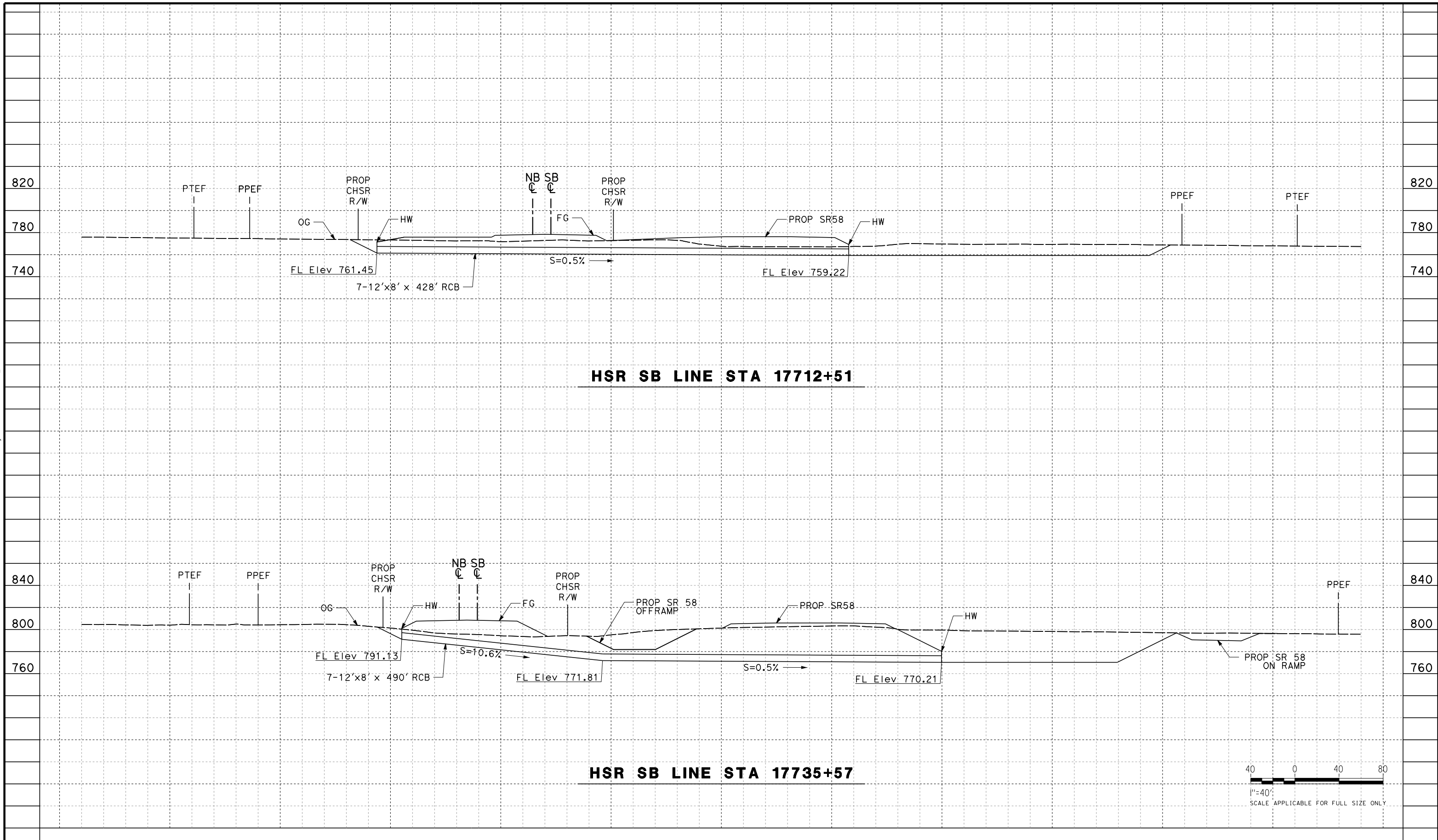
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1005
SCALE
AS SHOWN
SHEET NO.
22

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1005A

4:11:29 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17713, 17736

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1005A

SCALE
AS SHOWN

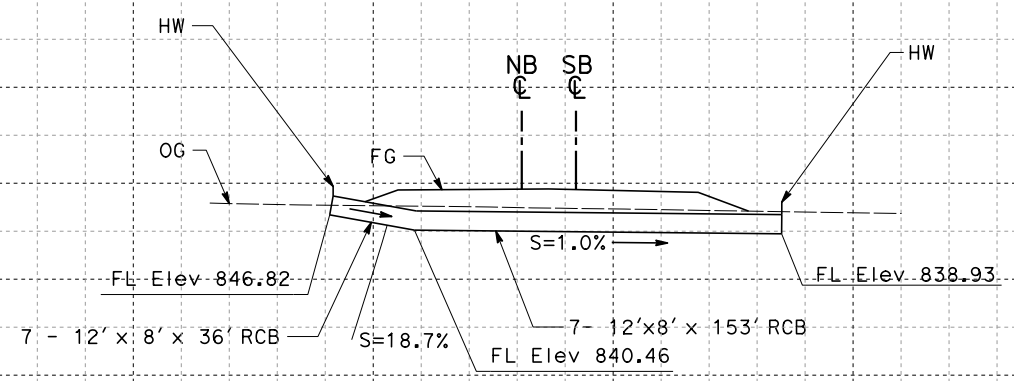
SHEET NO.
23

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1006

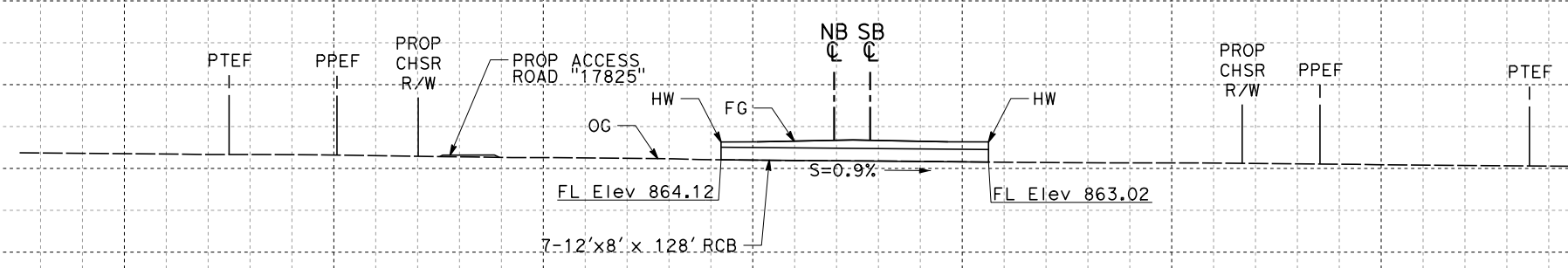
4:07:55 PM

1/13/2021

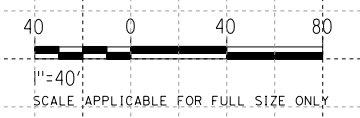
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17777+90



HSR SB LINE STA 17791+42



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17778, 17791

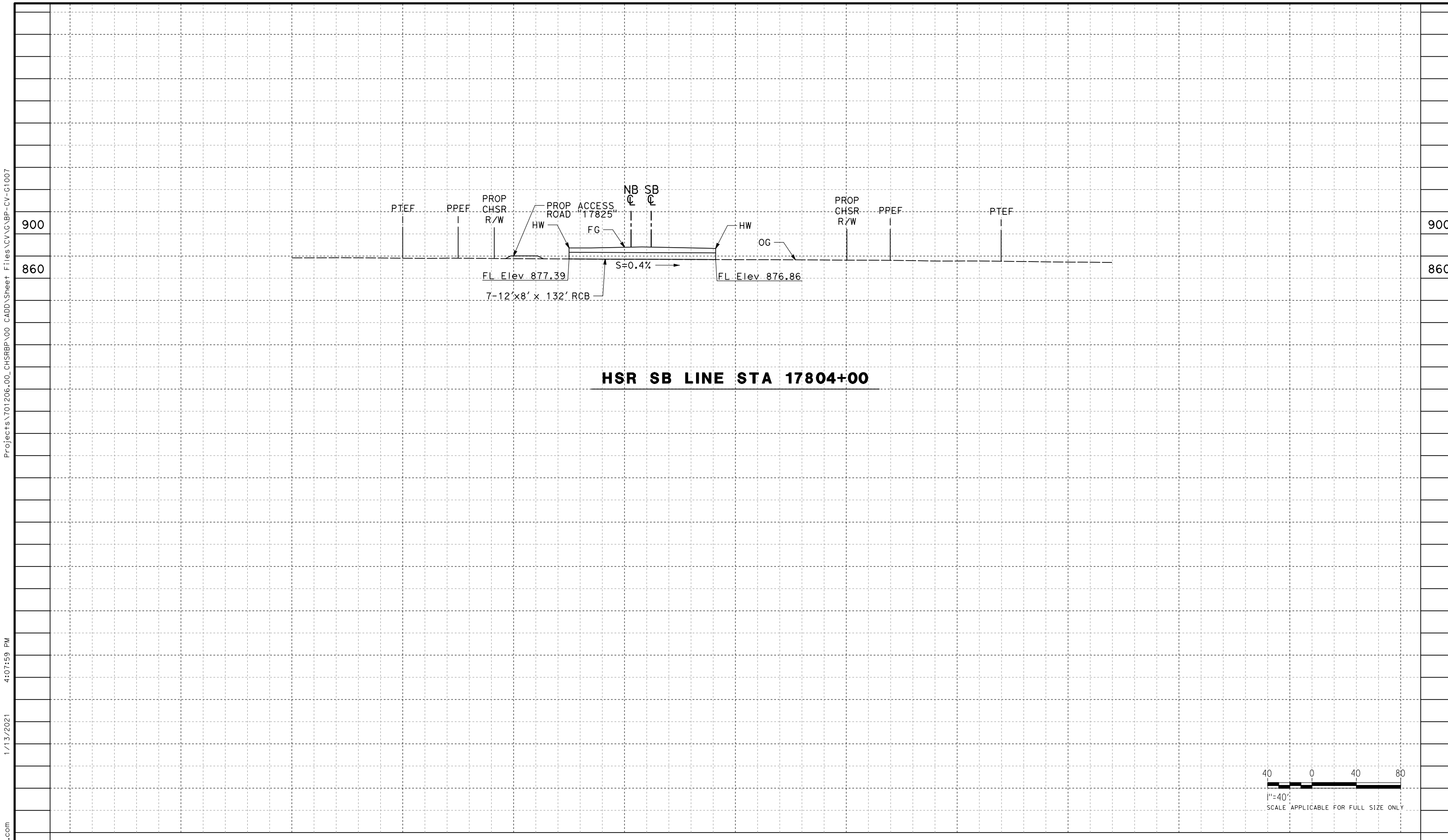
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1006
SCALE
AS SHOWN
SHEET NO.
24

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1007

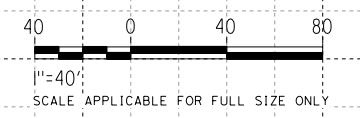
4:07:59 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17804+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17804

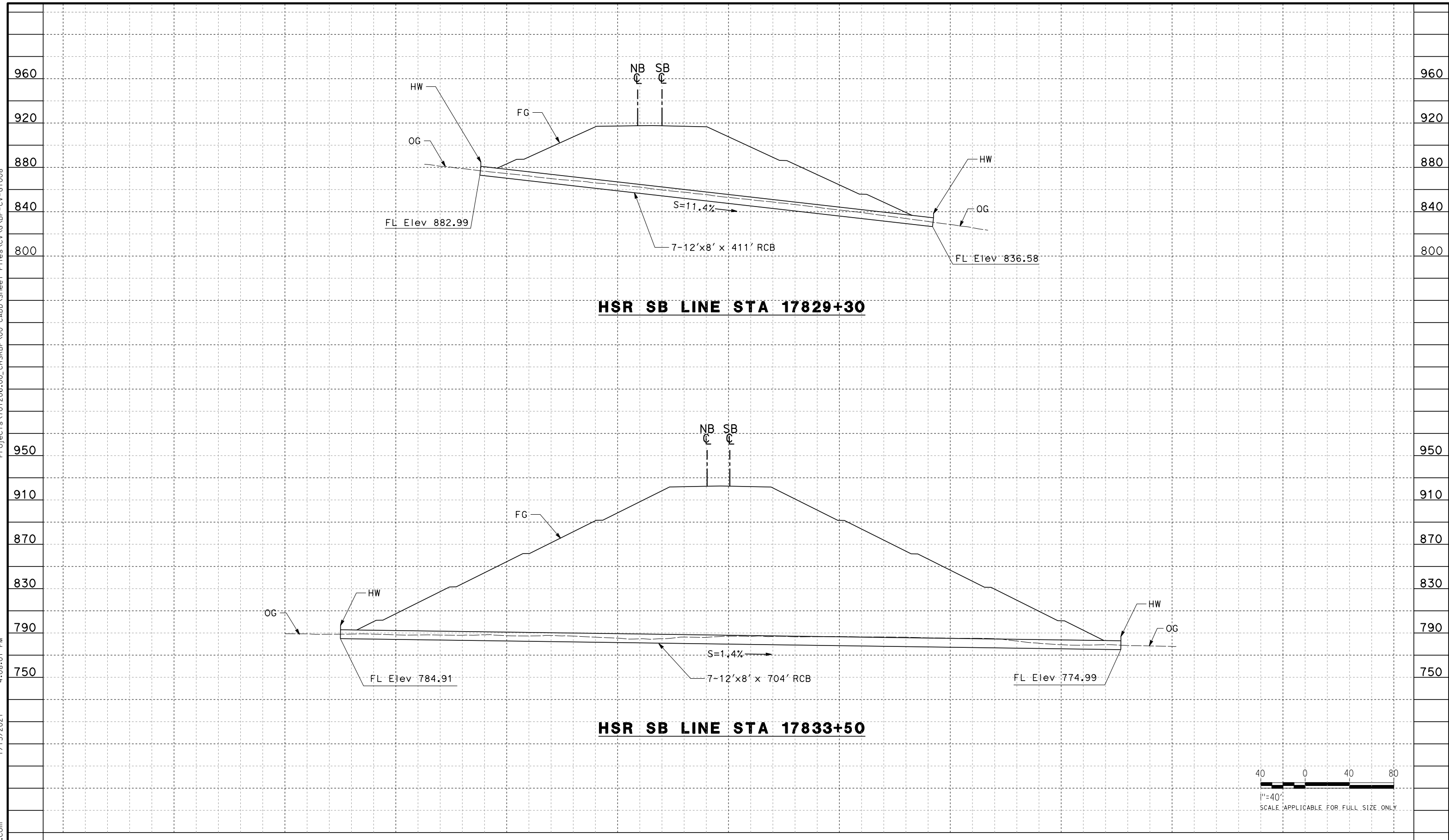
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1007
SCALE
AS SHOWN
SHEET NO.
25

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1008

4:08:01 PM

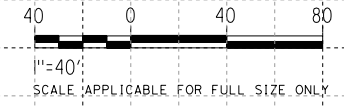
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17829+30

HSR SB LINE STA 17833+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17829, 17833

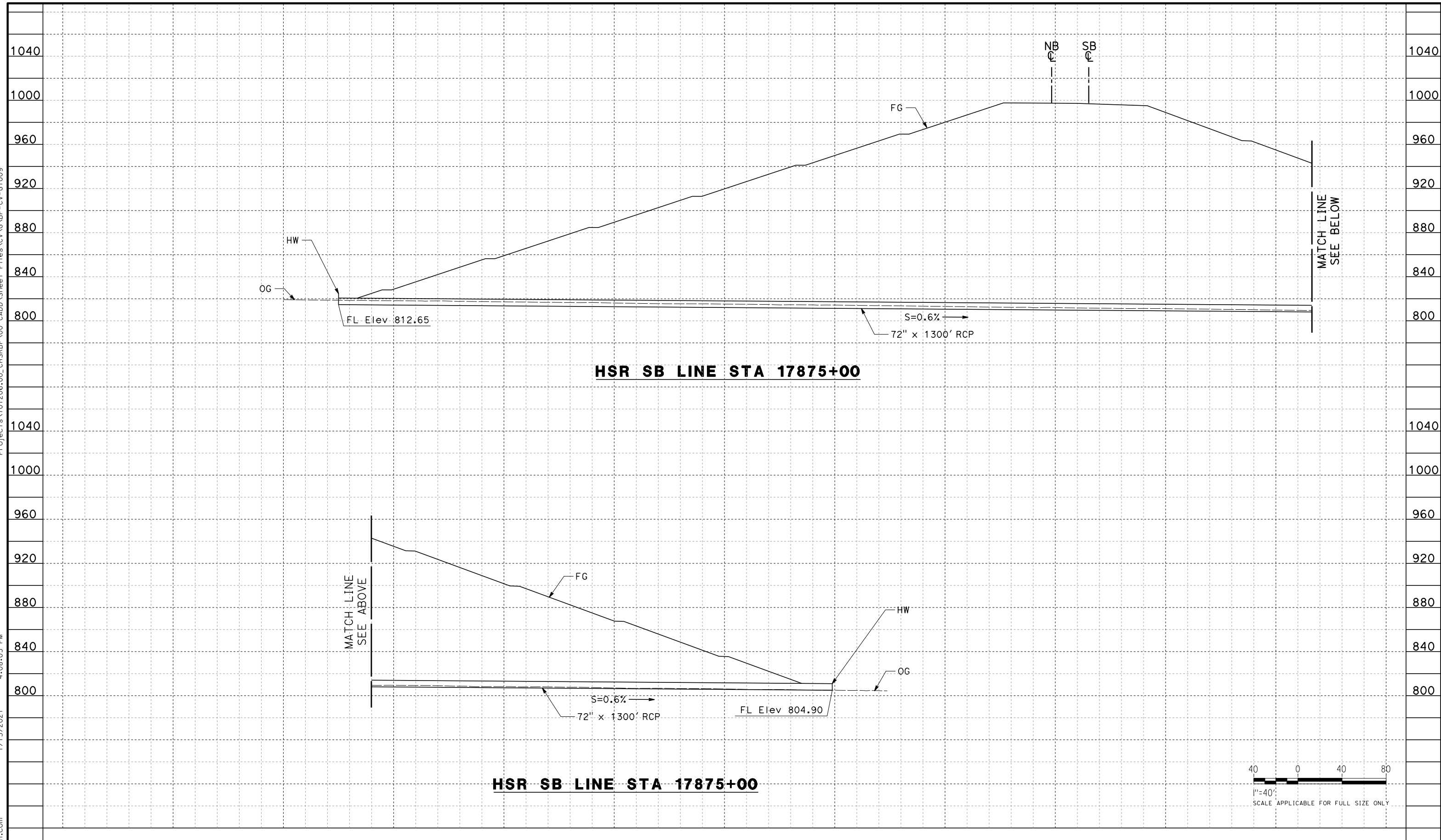
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1008
SCALE
AS SHOWN
SHEET NO.
26

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1009

4:08:05 PM

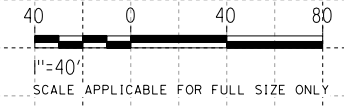
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17875+00

HSR SB LINE STA 17875+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17875

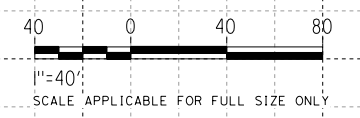
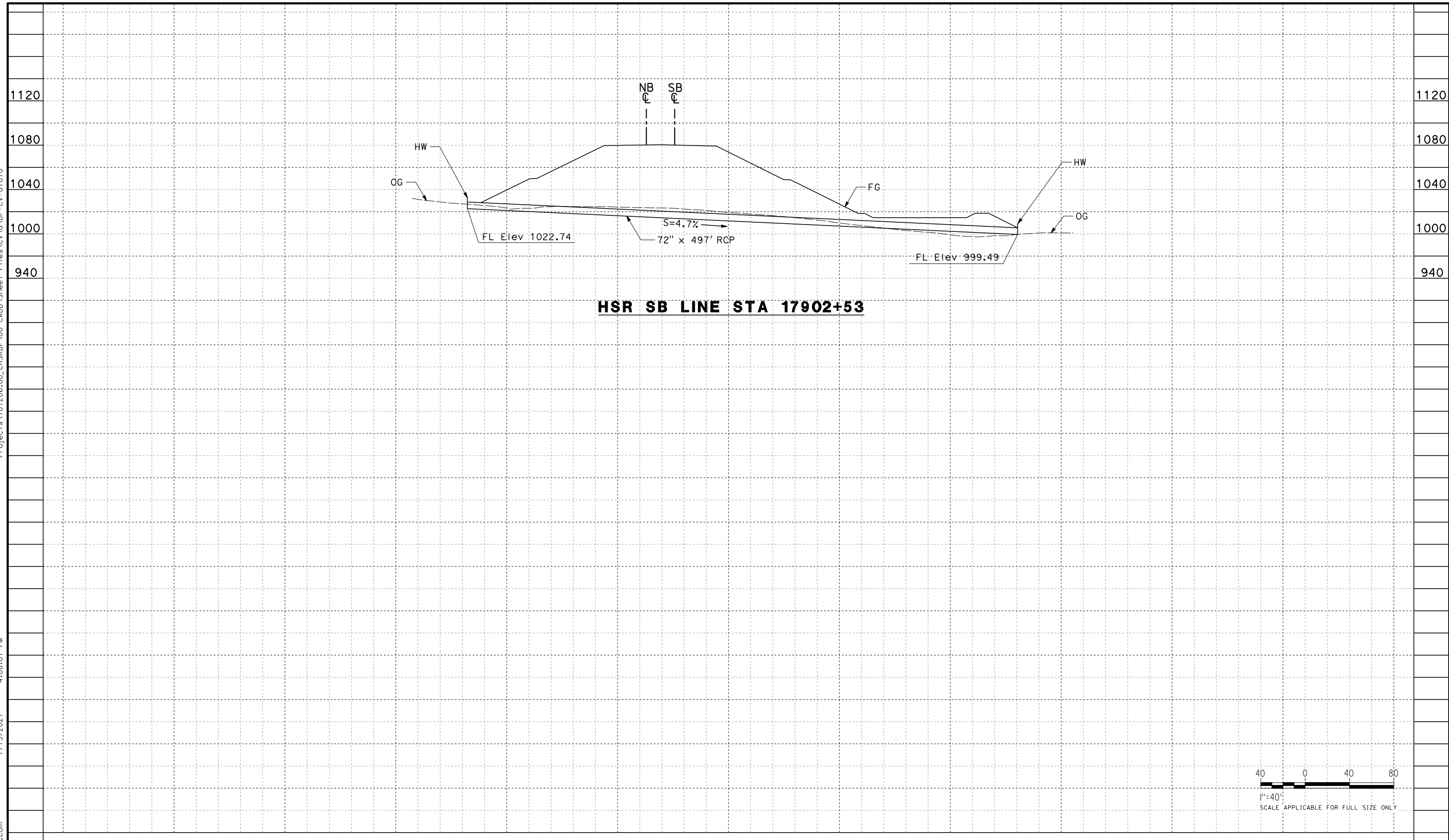
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1009
SCALE
AS SHOWN
SHEET NO.
27

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1010

4:08:07 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17902

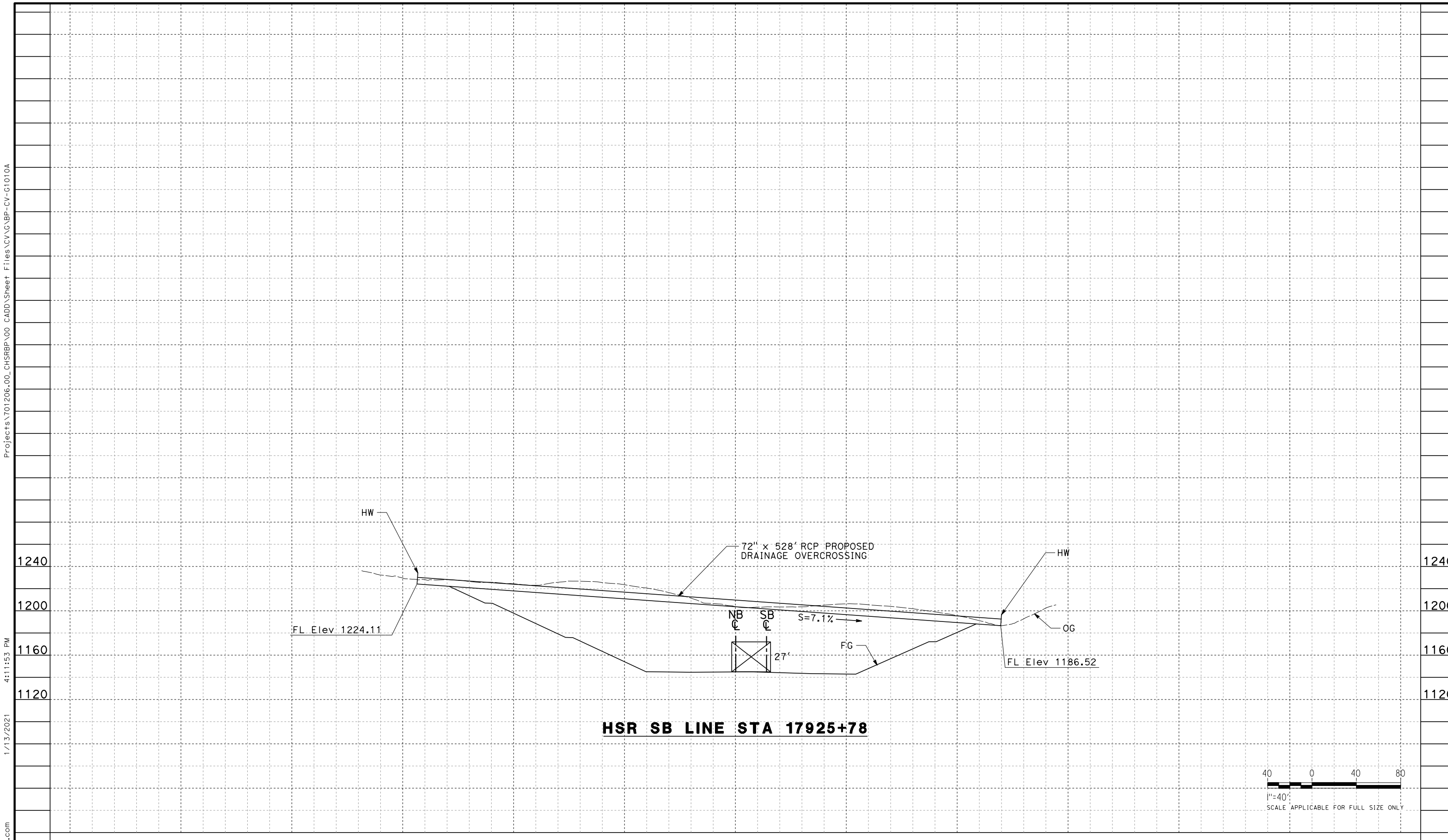
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1010
SCALE
AS SHOWN
SHEET NO.
28

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1010A

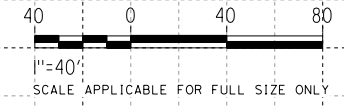
4:11:53 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17925+78



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17926

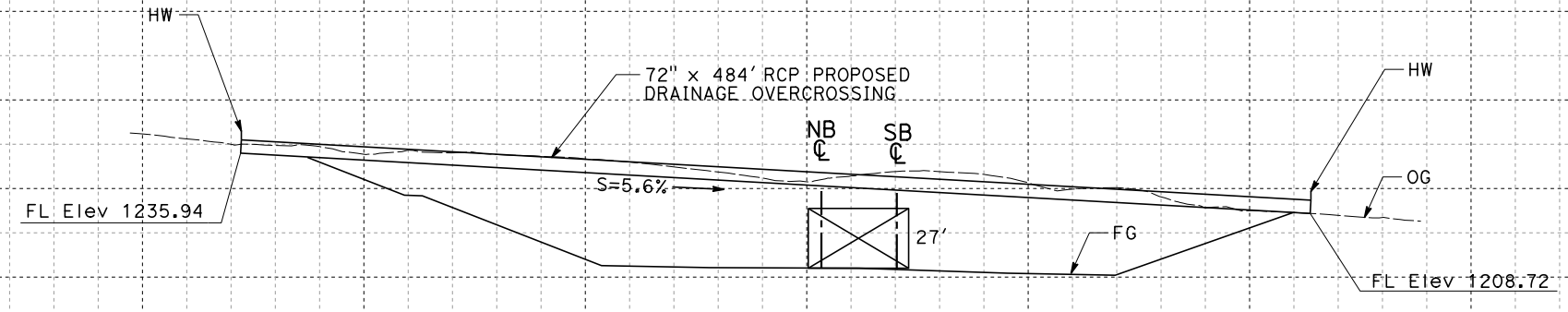
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1010A
SCALE
AS SHOWN
SHEET NO.
29

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1011

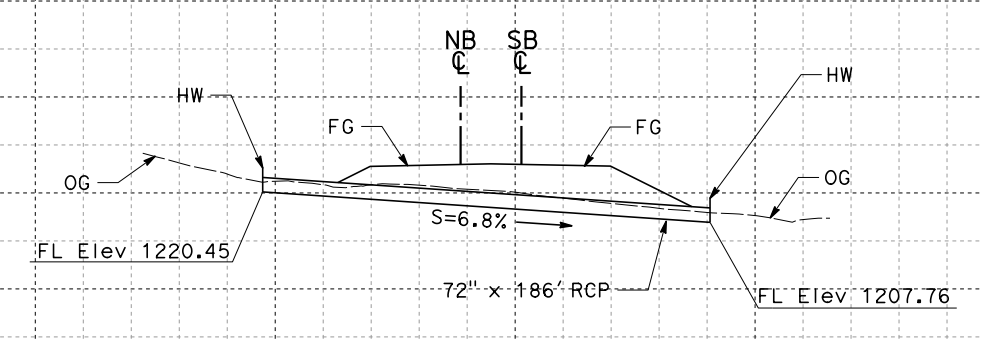
4:08:09 PM

1/13/2021

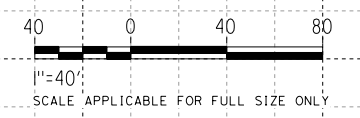
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17940+07



HSR SB LINE STA 17956+64

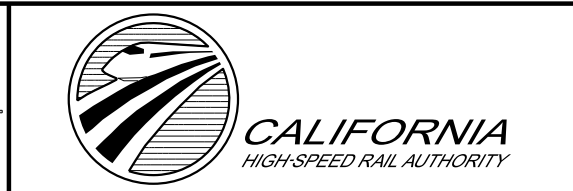


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17940, 17957

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1011

SCALE
AS SHOWN

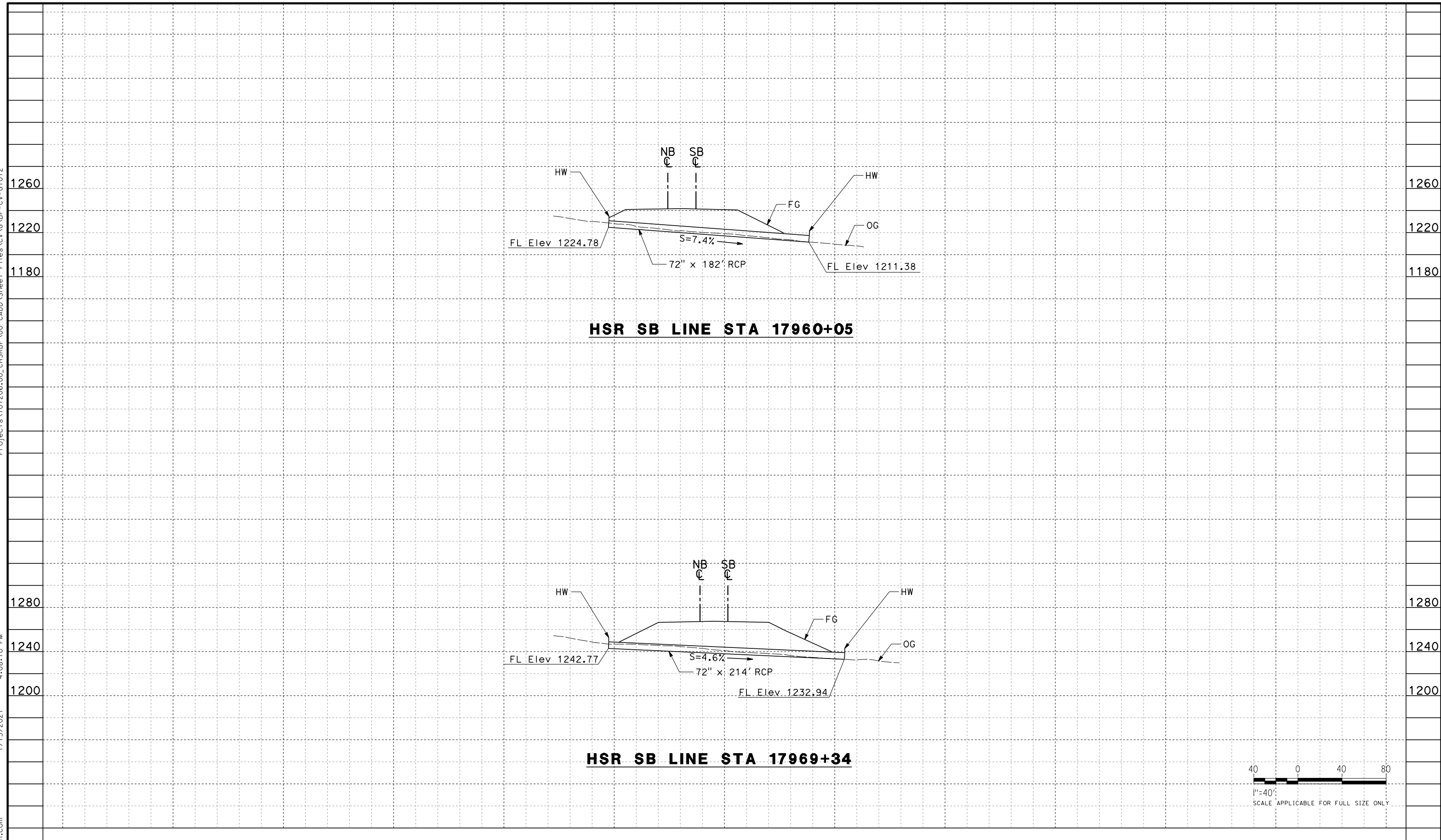
SHEET NO.
30

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1012

4:08:10 PM

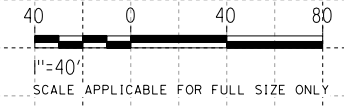
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17960+05

HSR SB LINE STA 17969+34



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17960, 17969

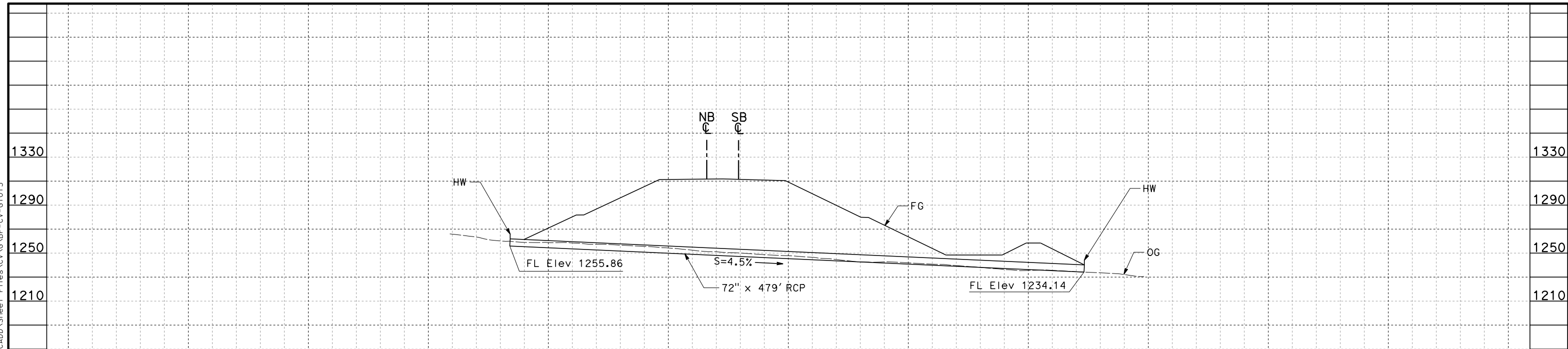
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1012
SCALE
AS SHOWN
SHEET NO.
31

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1013

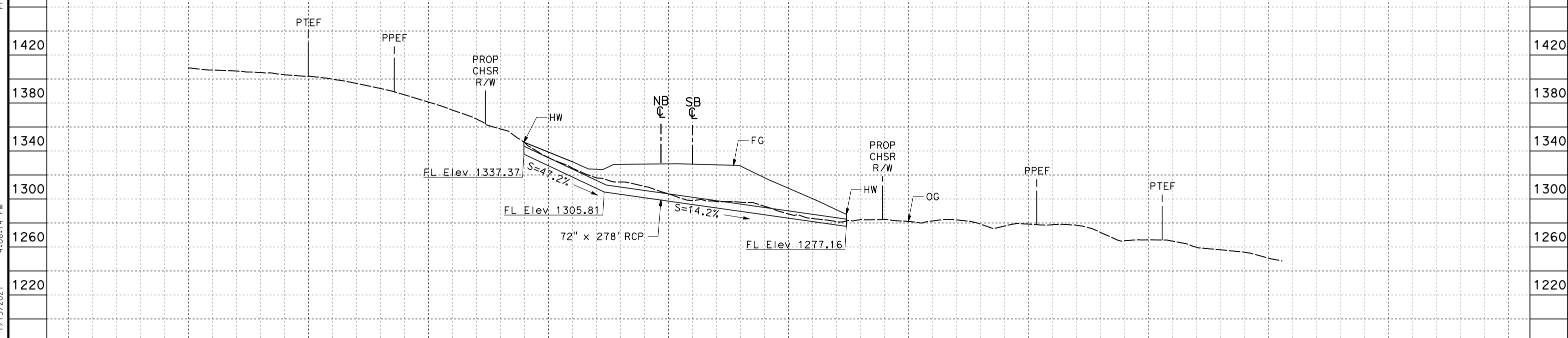
4:08:14 PM

1/13/2021

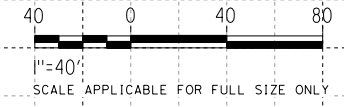
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17985+15



HSR SB LINE STA 17991+42



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17985, 17991

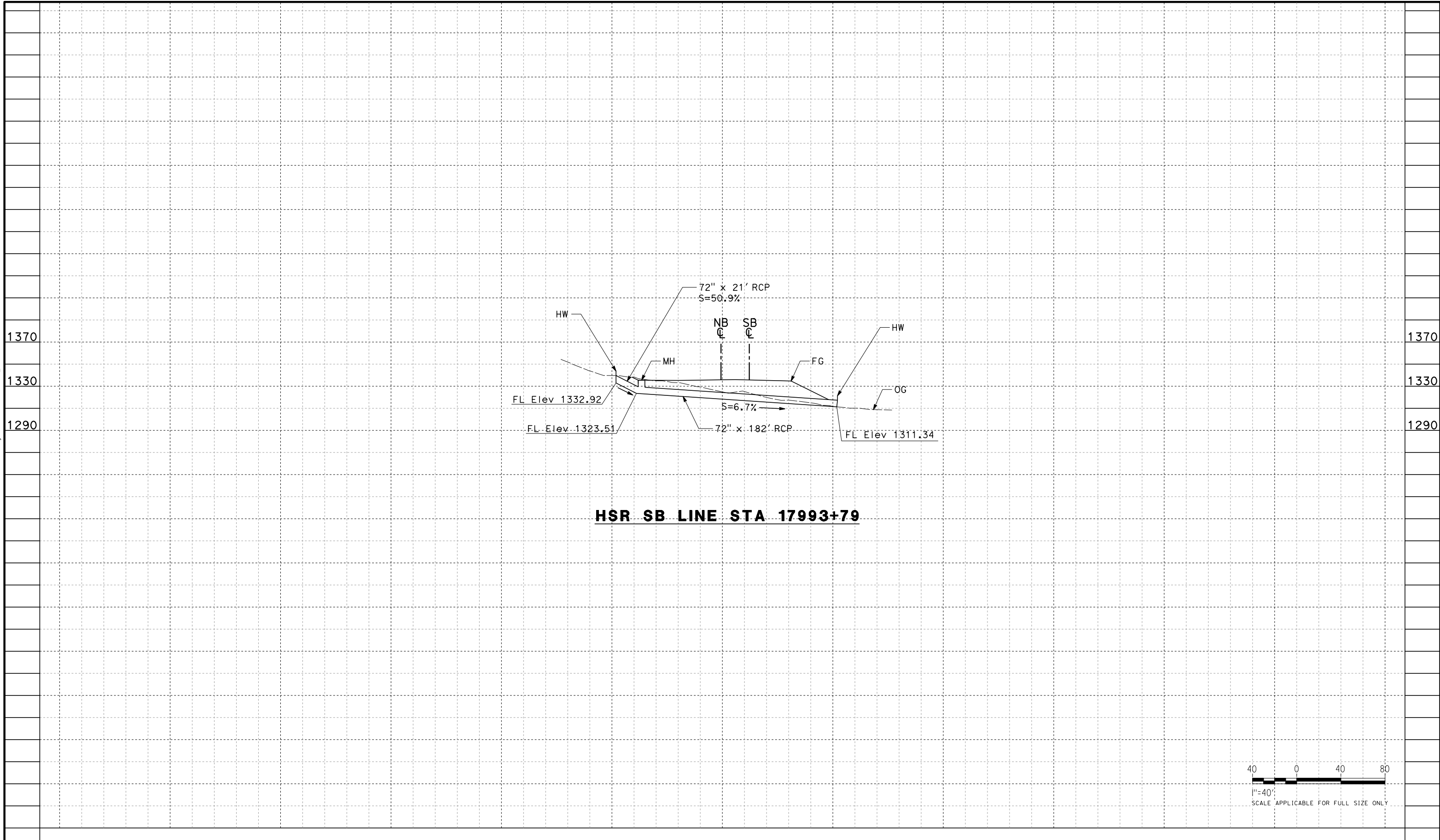
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1013
SCALE
AS SHOWN
SHEET NO.
32

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G1013A

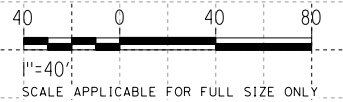
4:11:33 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17993+79



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17993

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1013A

SCALE
AS SHOWN

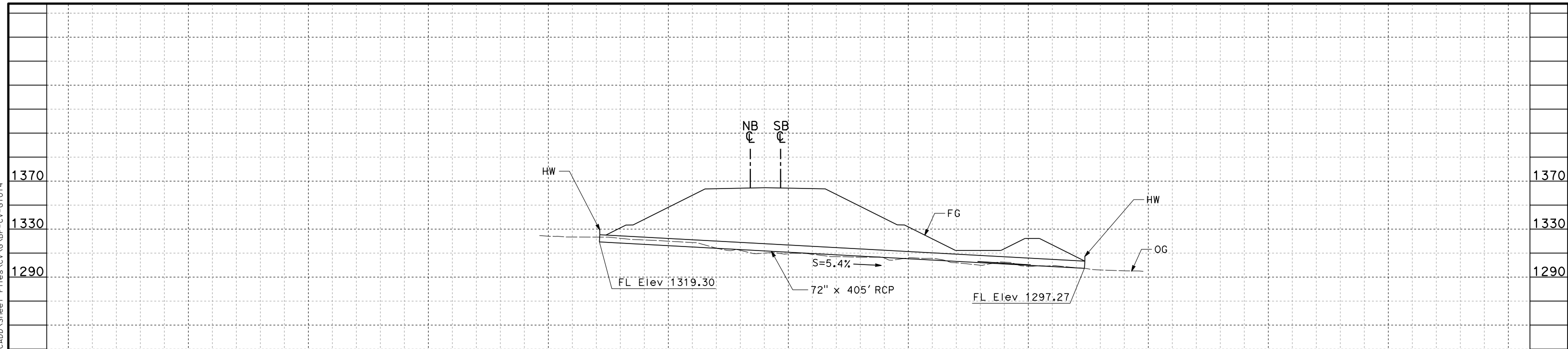
SHEET NO.
33

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1014

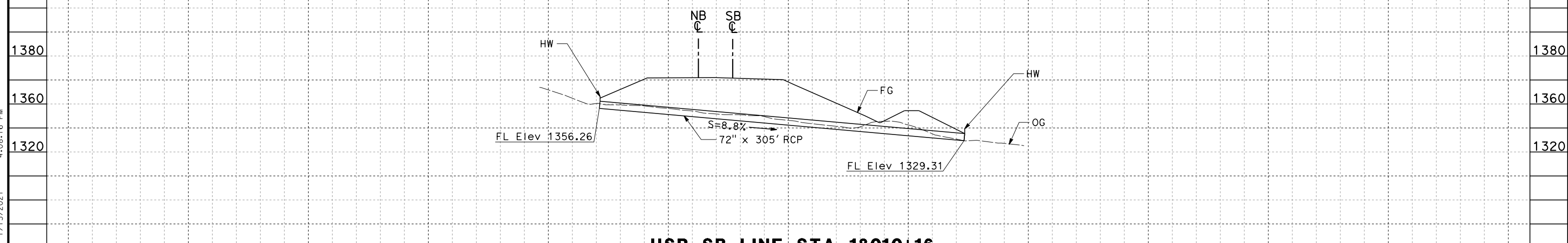
4:08:16 PM

1/13/2021

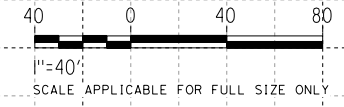
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18004+01



HSR SB LINE STA 18010+16



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18004, 18010

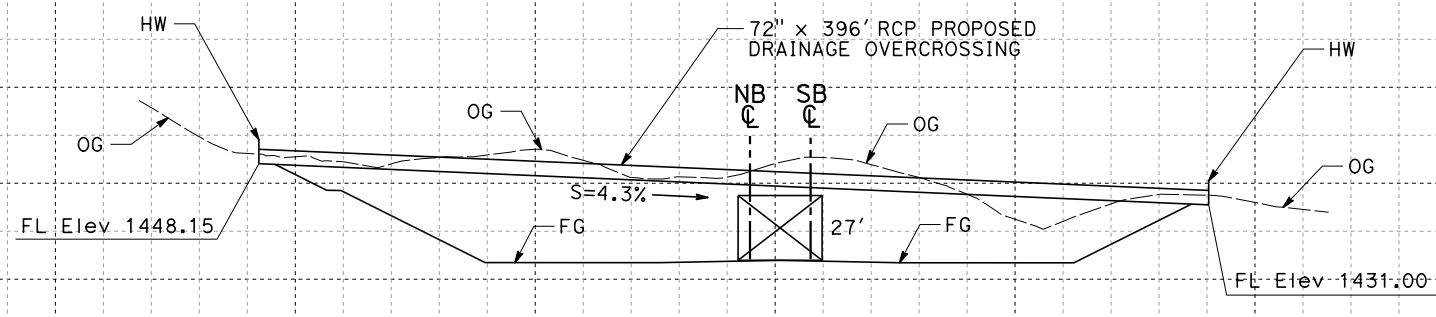
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1014
SCALE
AS SHOWN
SHEET NO.
34

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1015

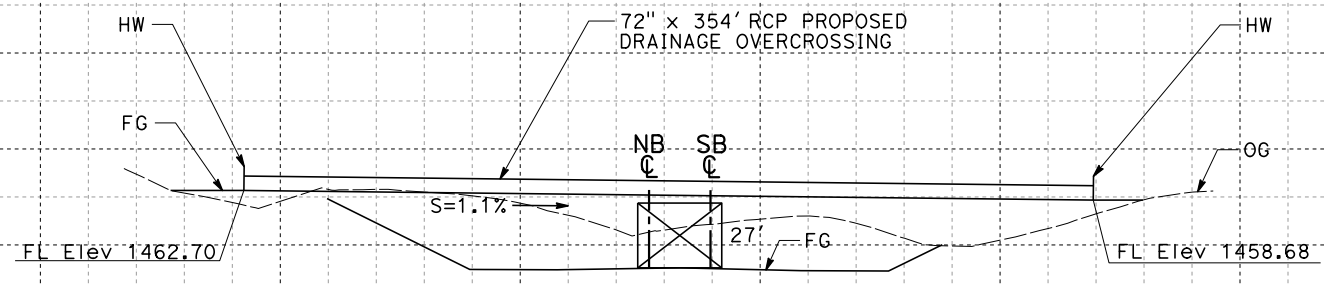
4:08:22 PM

1/13/2021

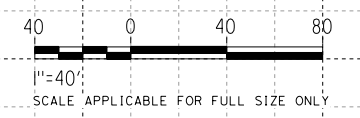
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18019+82



HSR SB LINE STA 18028+21

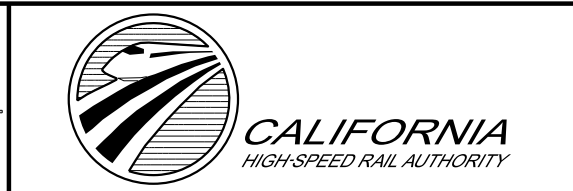


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18020, 18028

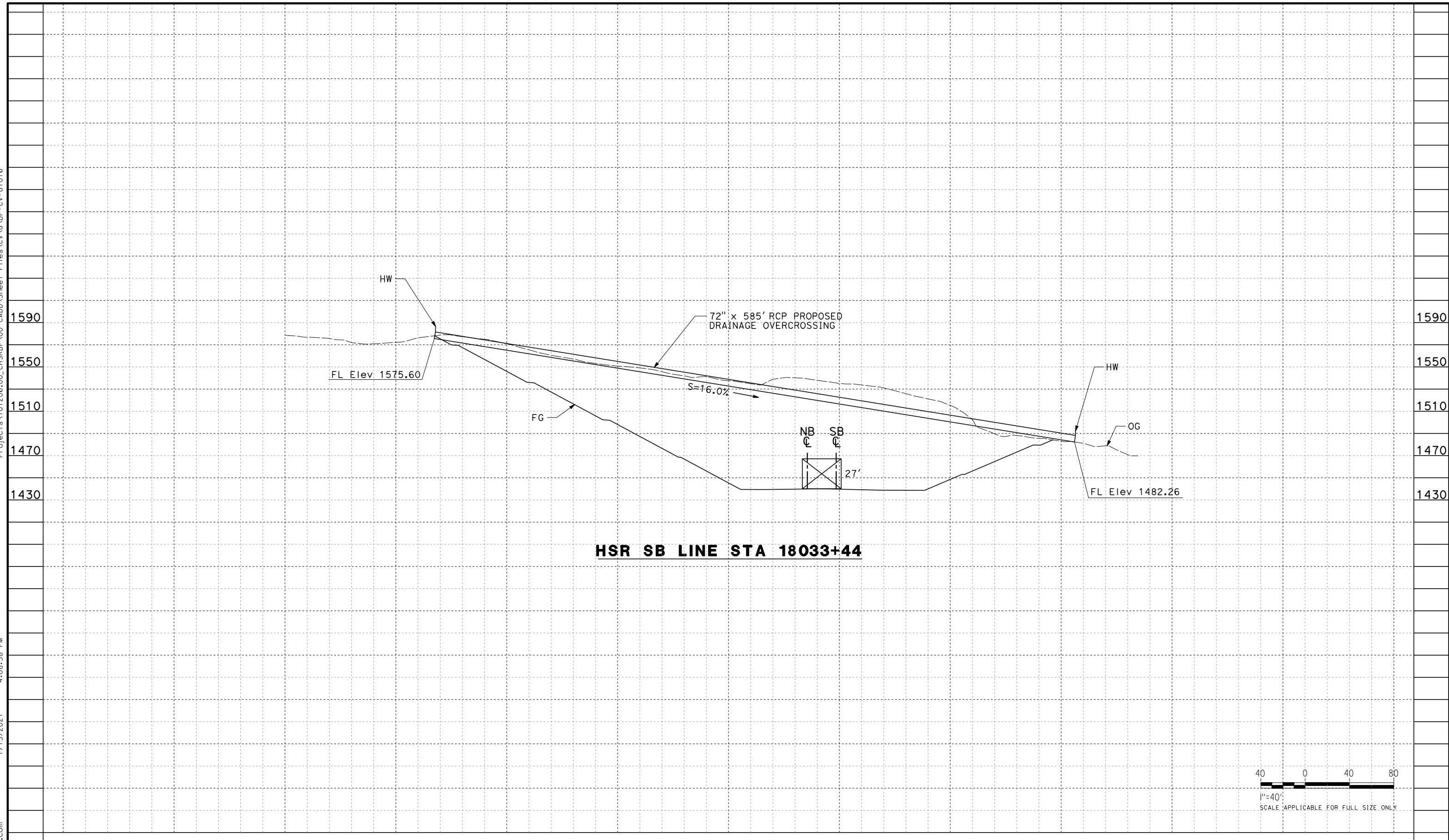
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1015
SCALE
AS SHOWN
SHEET NO.
35

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1016

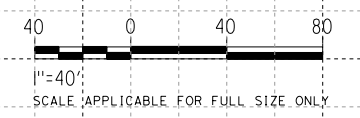
4:08:38 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18033+44



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18033

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1016

SCALE
AS SHOWN

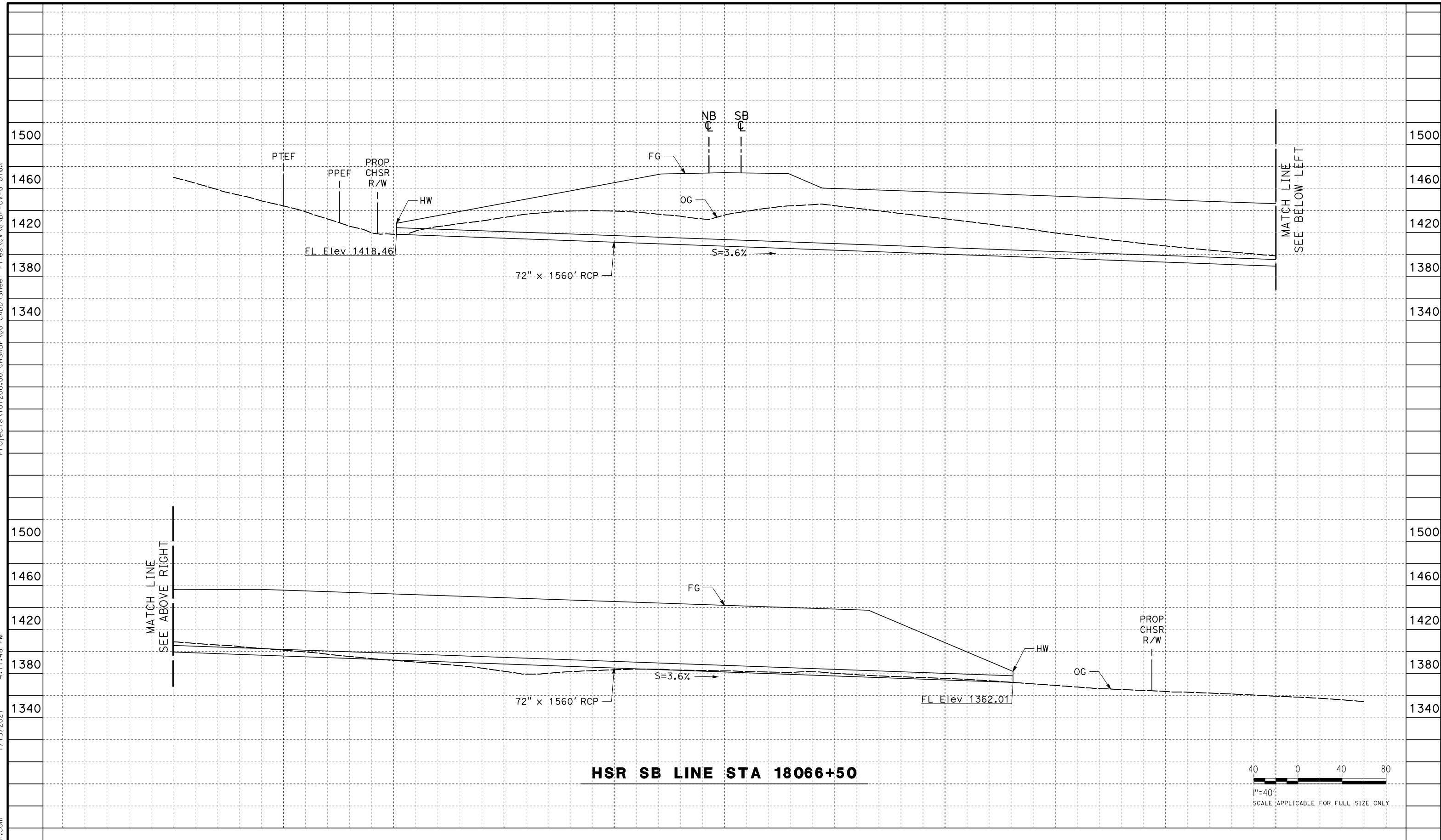
SHEET NO.
36

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1016A

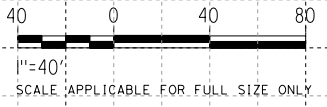
4:11:48 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18066+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18067

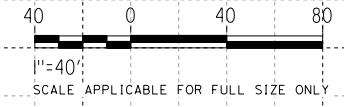
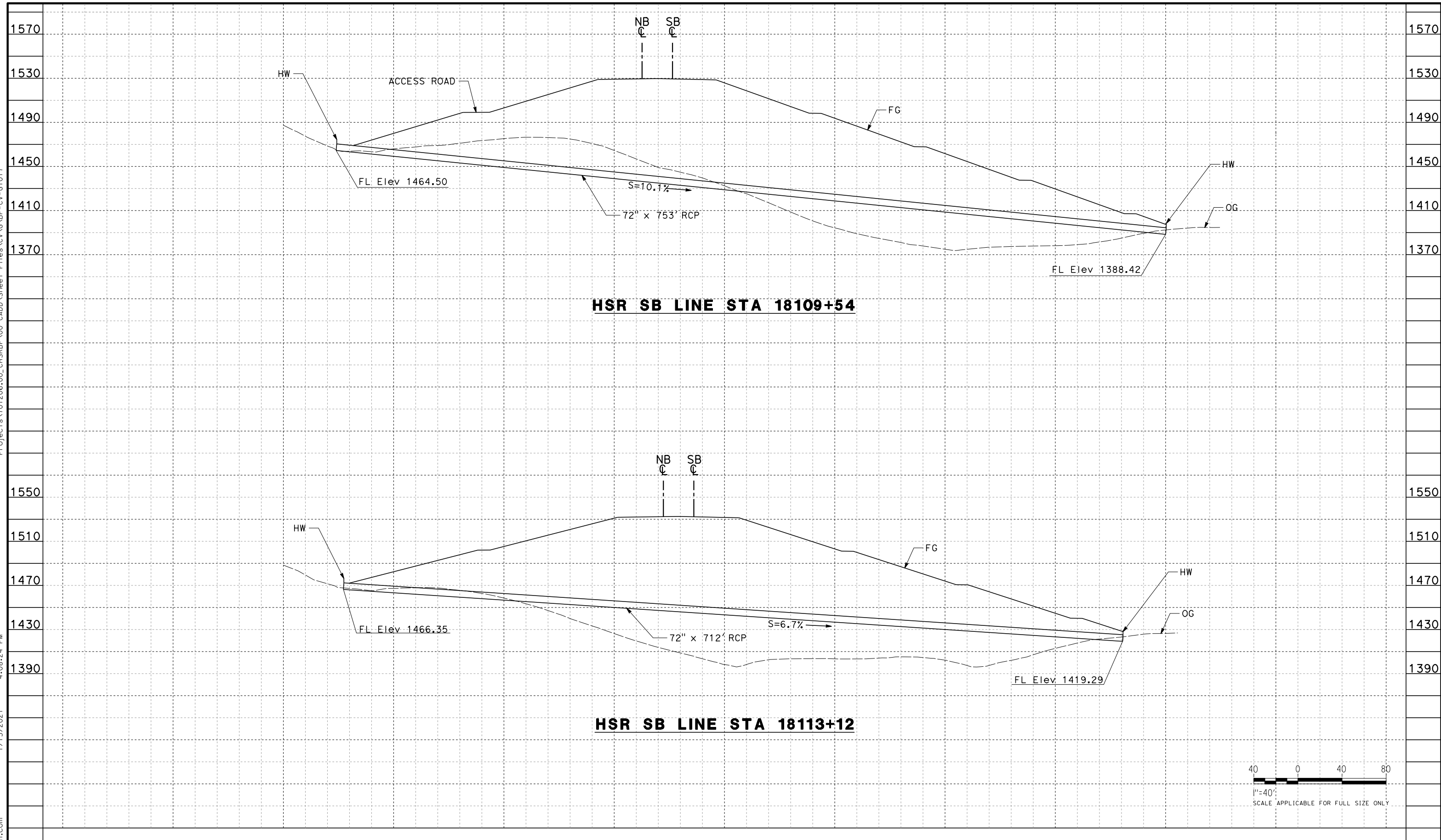
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1016A
SCALE
AS SHOWN
SHEET NO.
37

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1017

4:08:24 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

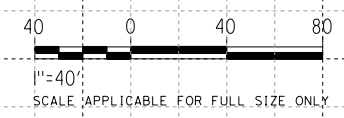
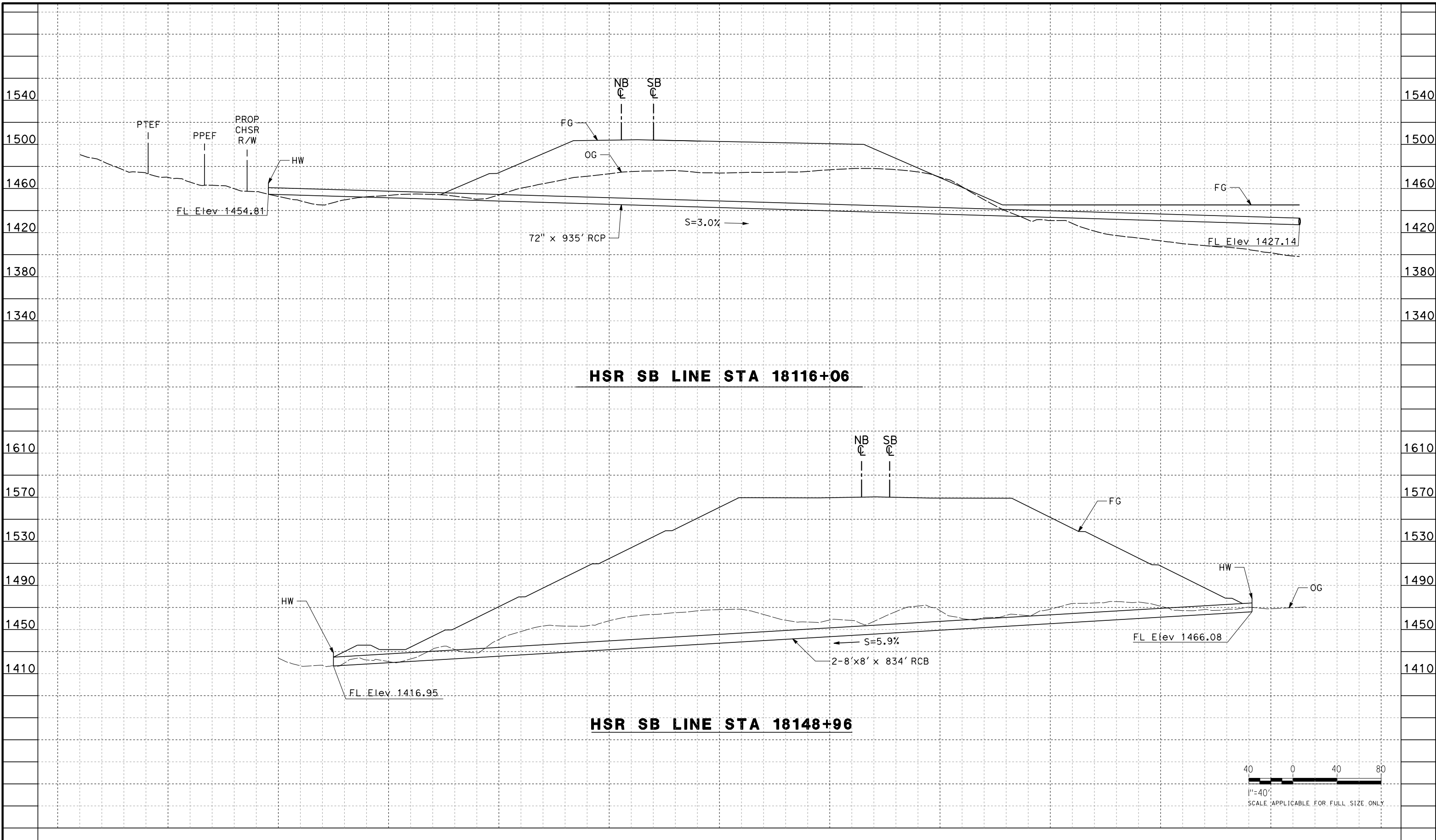


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18110, 18113

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1017
SCALE
AS SHOWN
SHEET NO.
38

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1018
 4:08:42 PM
 1/13/2021
 Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
A. DEL CASTILLO
 CHECKED BY
G. CAMPBELL
 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
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18116, 18149

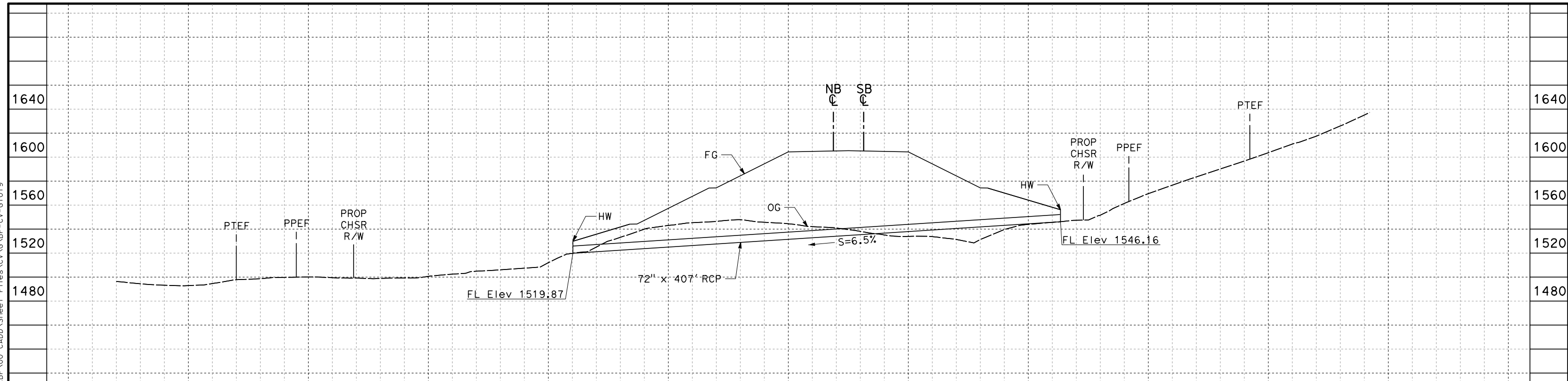
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1018
 SCALE
AS SHOWN
 SHEET NO.
39

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1019

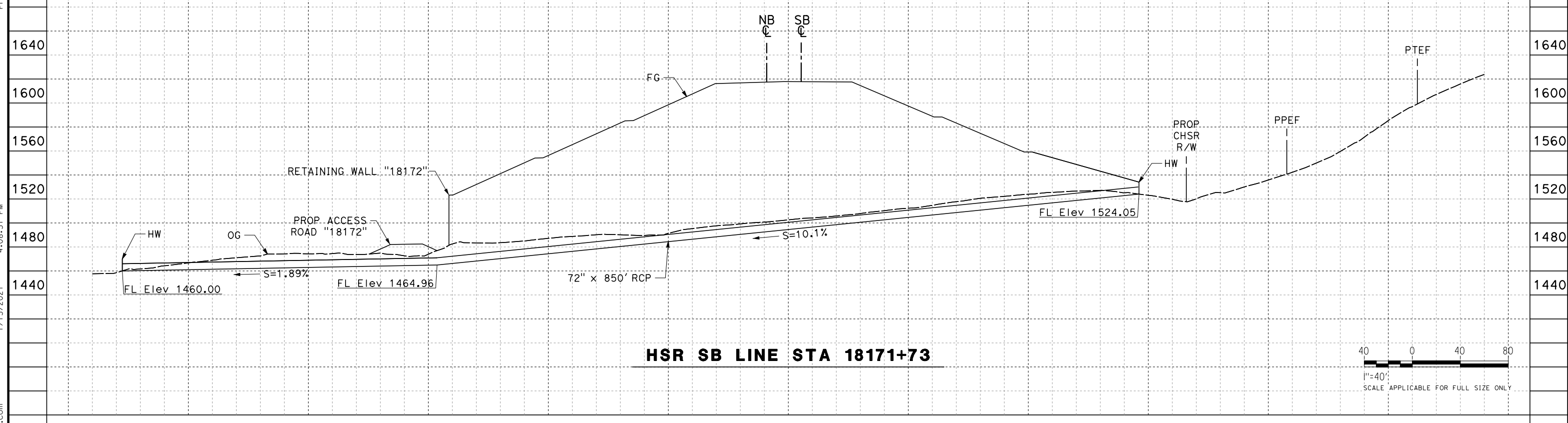
4:08:31 PM

1/13/2021

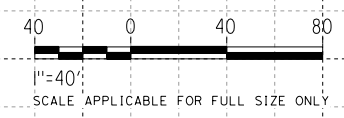
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18166+52



HSR SB LINE STA 18171+73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18167, 18172

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1019

SCALE
AS SHOWN

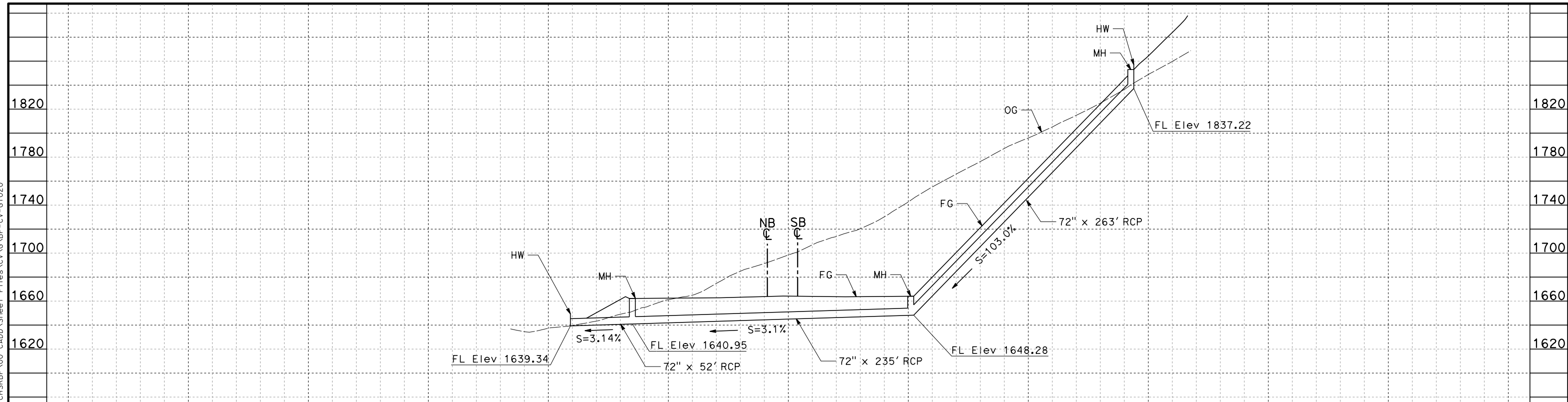
SHEET NO.
40

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1020

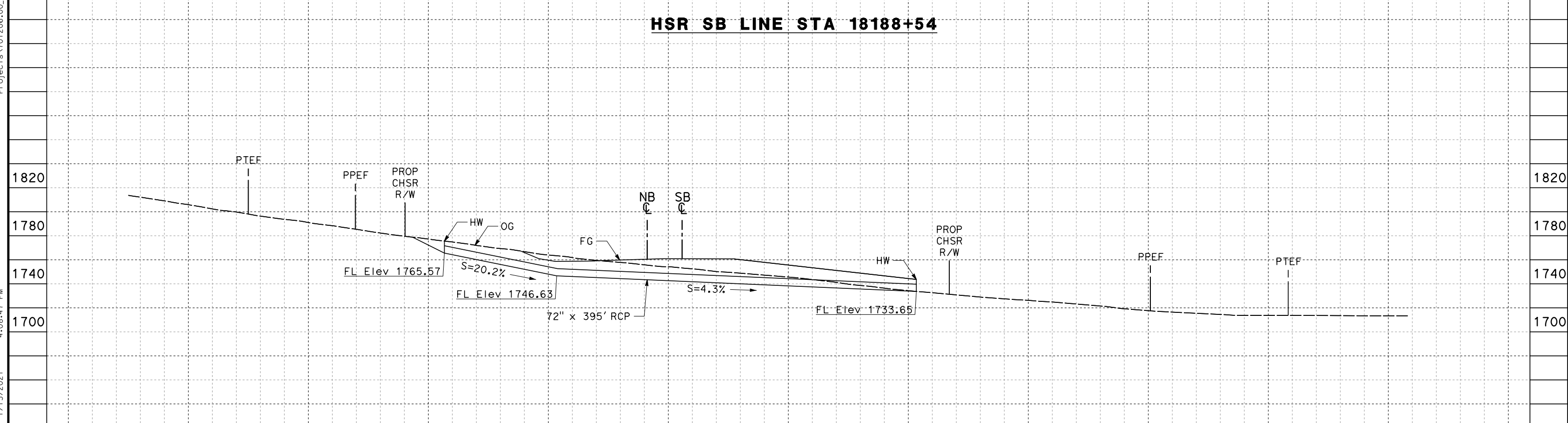
4:08:47 PM

1/13/2021

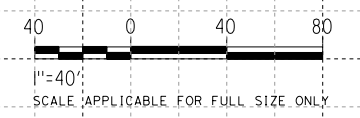
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18188+54



HSR SB LINE STA 18223+15

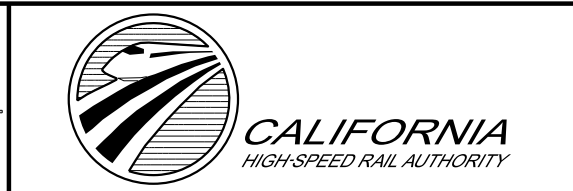


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18189, 18223

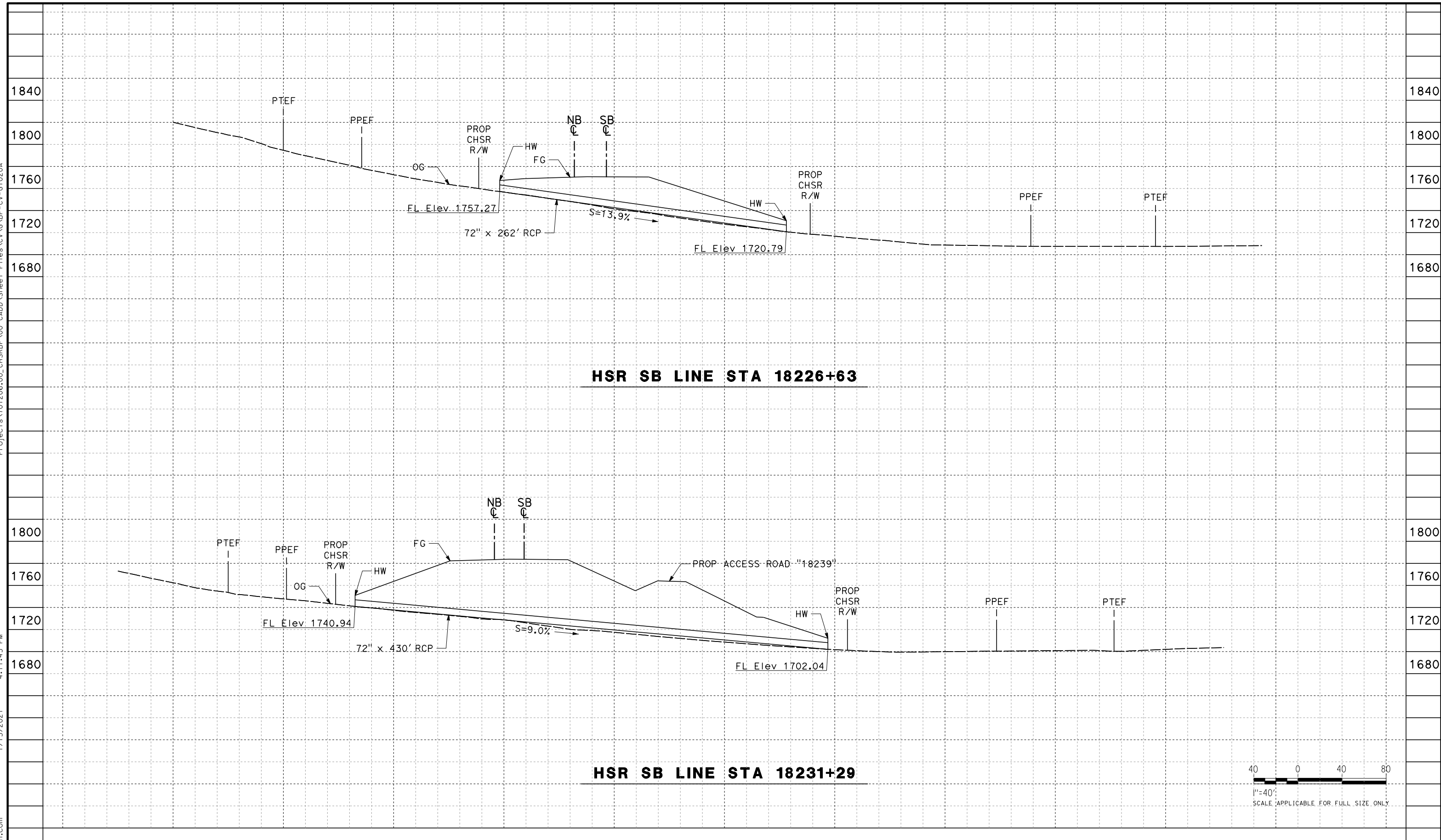
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1020
SCALE
AS SHOWN
SHEET NO.
41

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1020A

4:11:45 PM

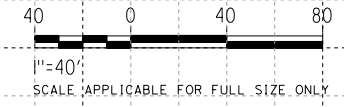
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18226+63

HSR SB LINE STA 18231+29



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18227, 18231

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1020A

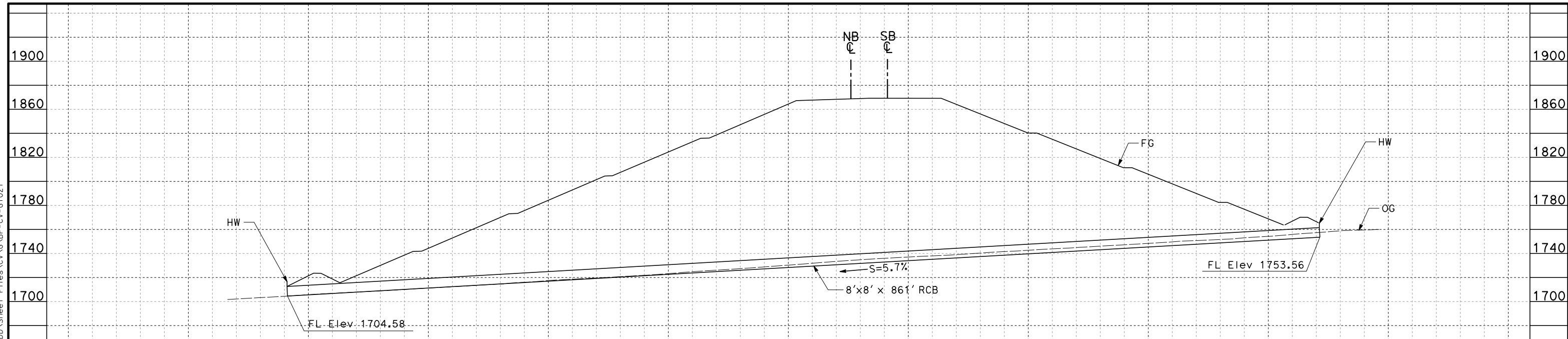
SCALE
AS SHOWN

SHEET NO.
42

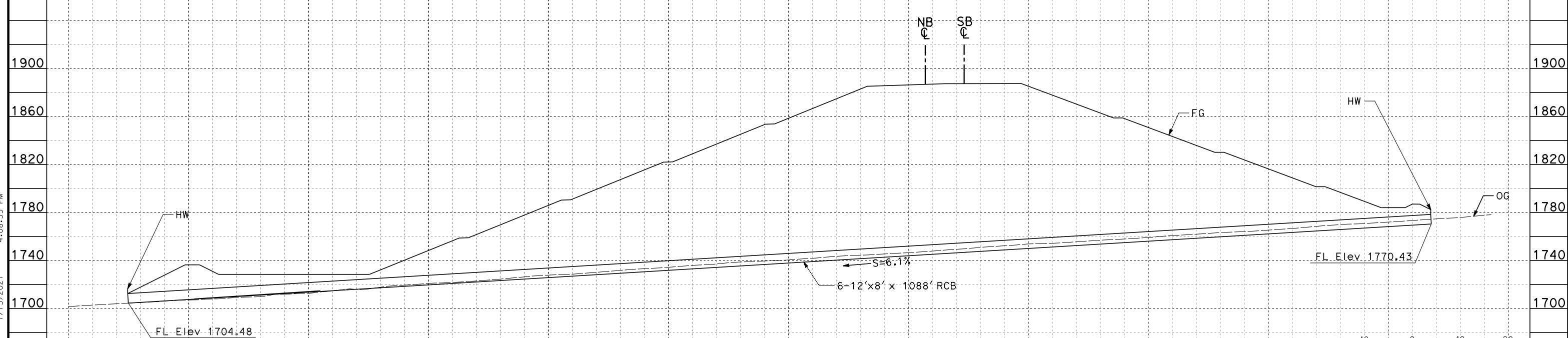
Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1021

1/13/2021 4:08:35 PM

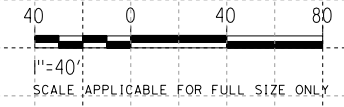
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18261+78



HSR SB LINE STA 18267+46



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18262, 18267

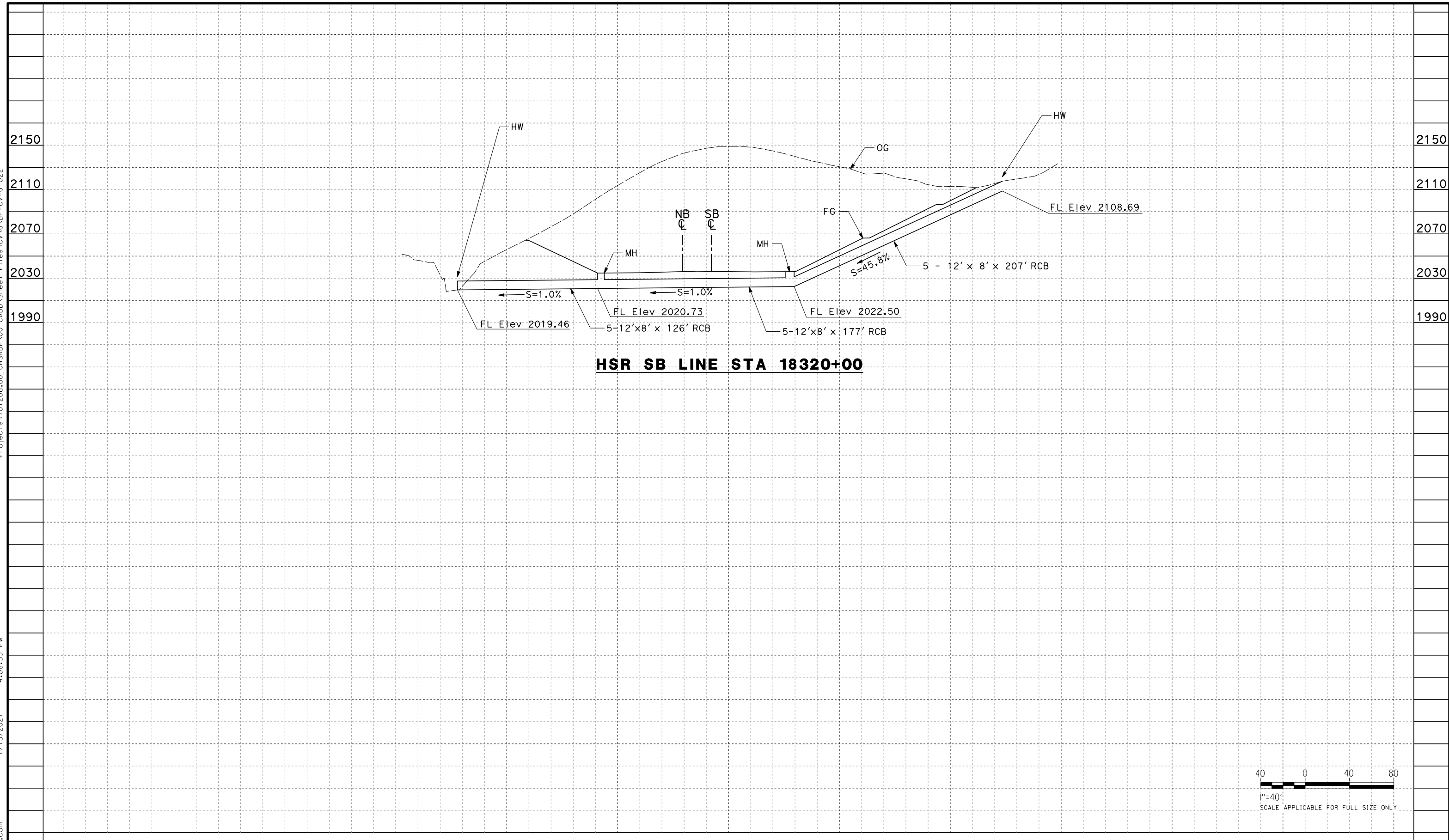
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1021
SCALE
AS SHOWN
SHEET NO.
43

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1022

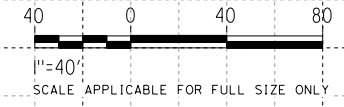
4:08:55 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18320+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18320, 18328

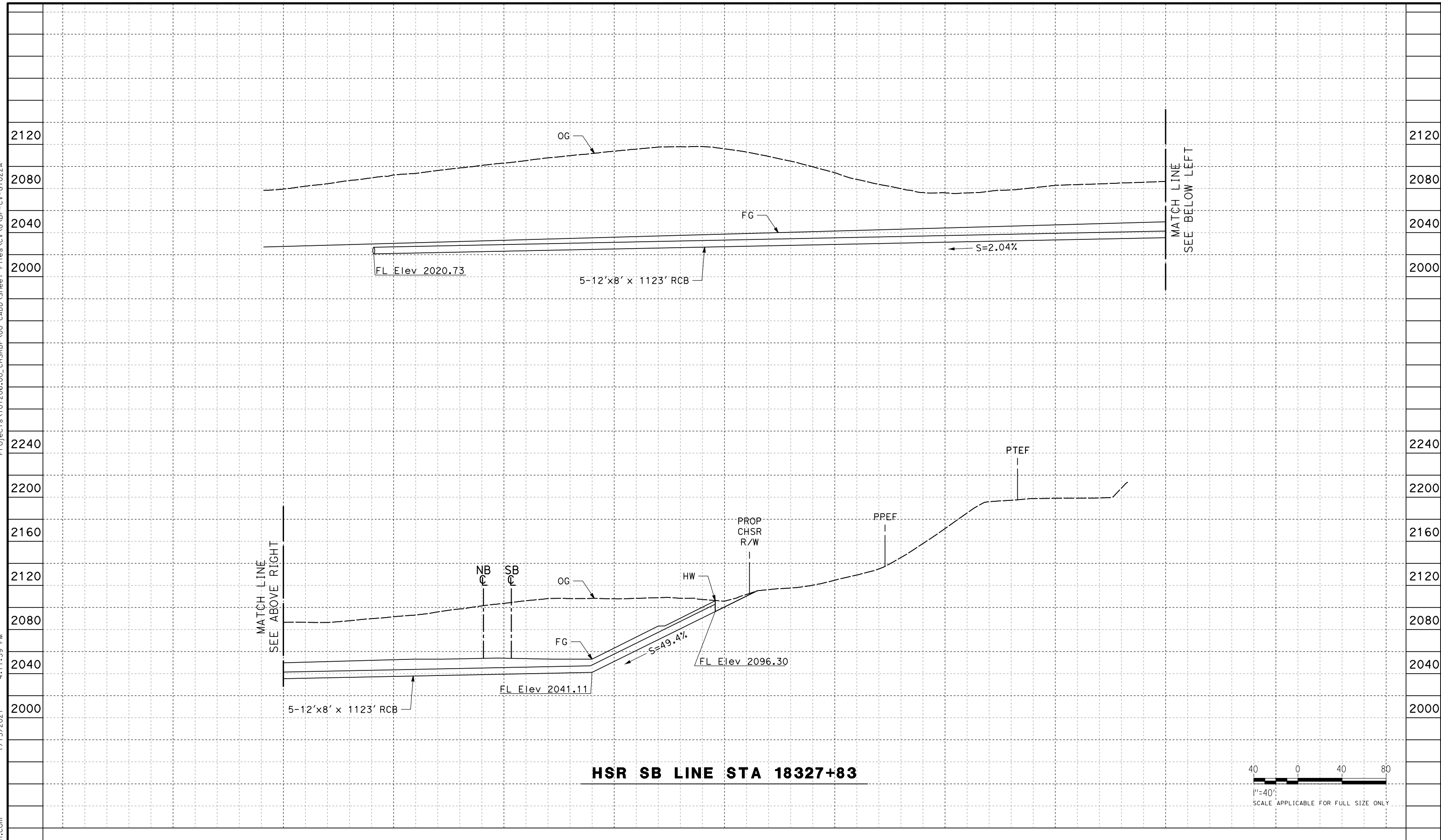
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1022
SCALE
AS SHOWN
SHEET NO.
44

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1022A

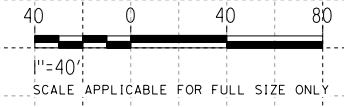
4:11:59 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18327+83



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18328

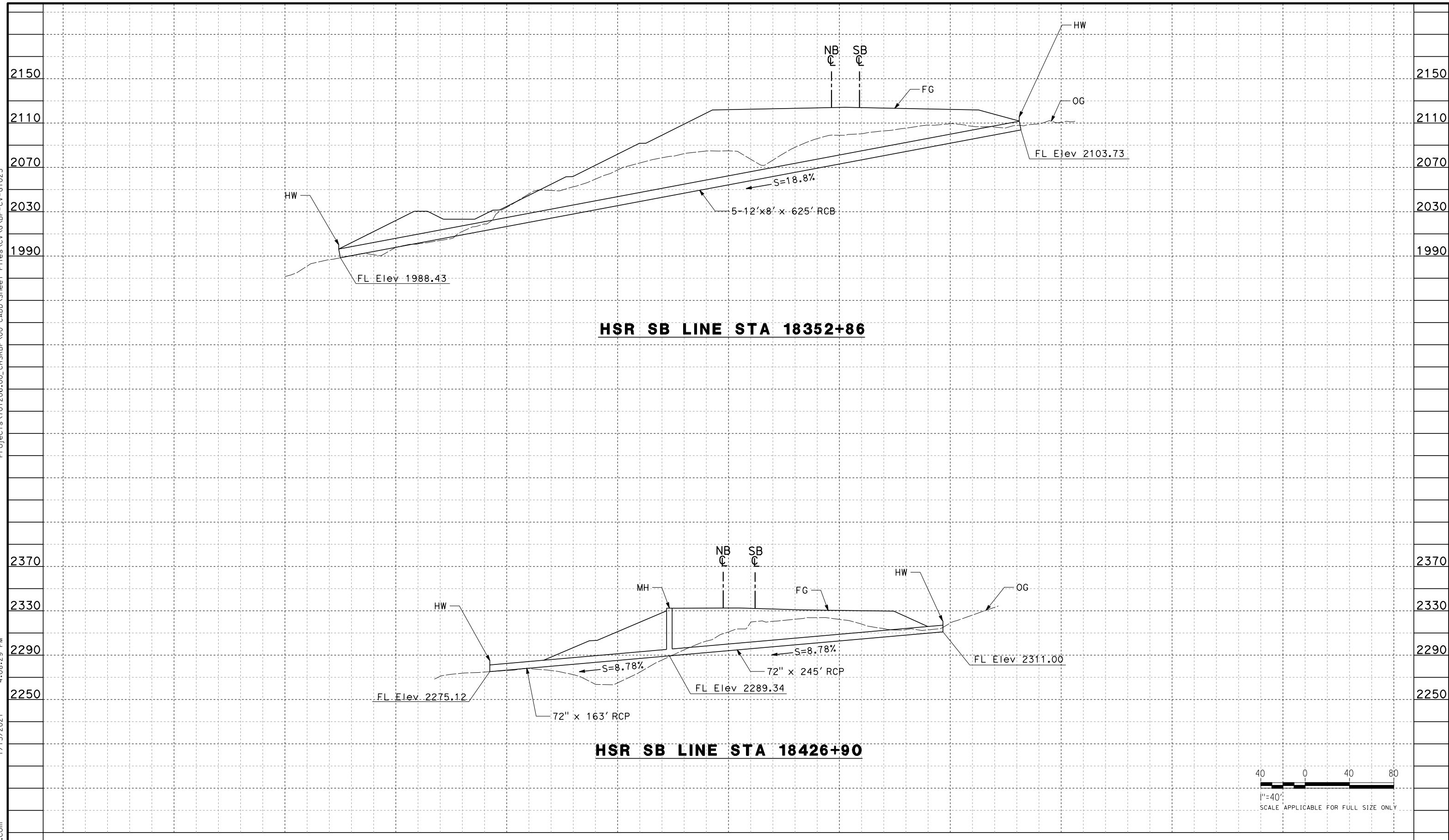
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1022A
SCALE
AS SHOWN
SHEET NO.
45

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1023

4:08:29 PM

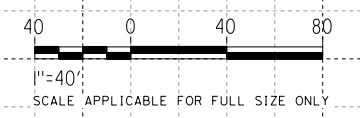
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18352+86

HSR SB LINE STA 18426+90



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18352, 18427

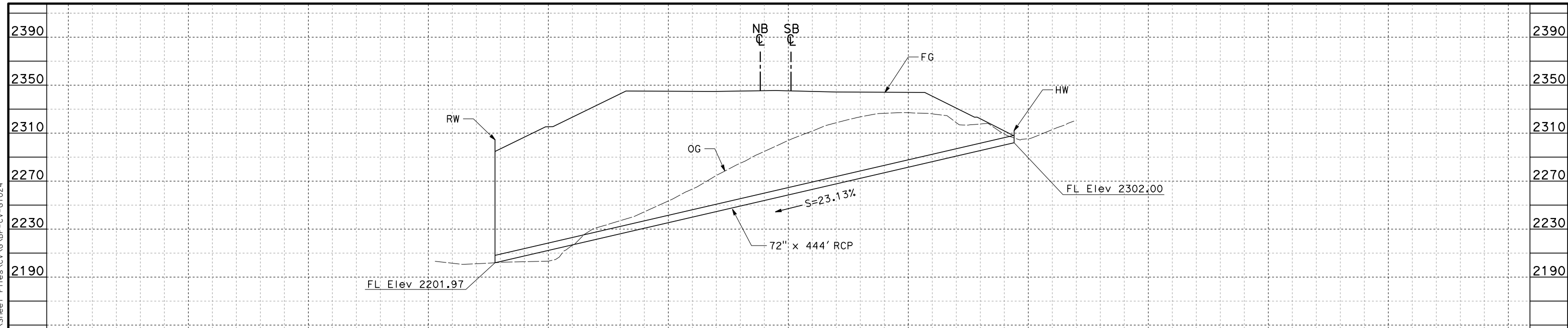
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1023
SCALE
AS SHOWN
SHEET NO.
46

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1024

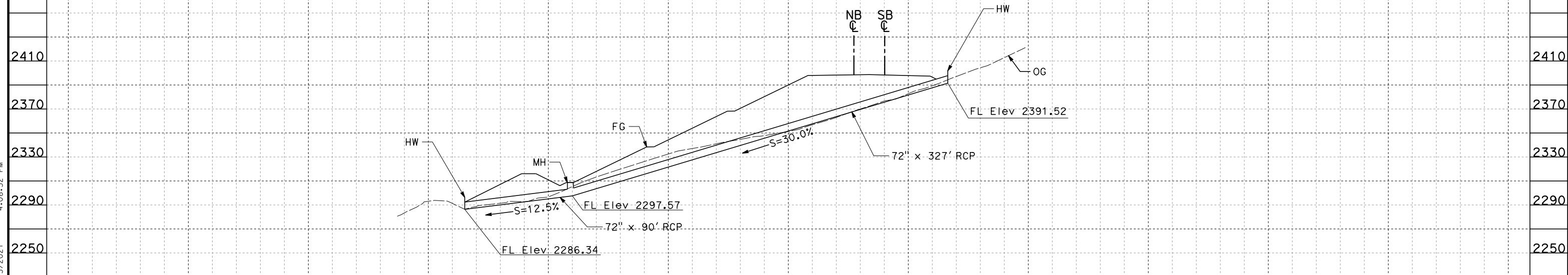
4:08:52 PM

1/13/2021

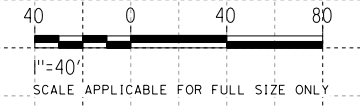
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18431+93



HSR SB LINE STA 18450+85

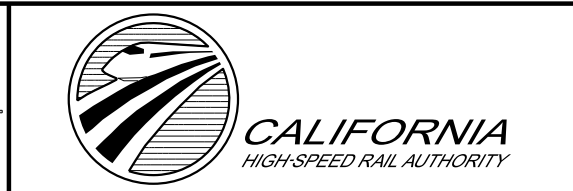


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18432, 18451

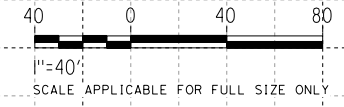
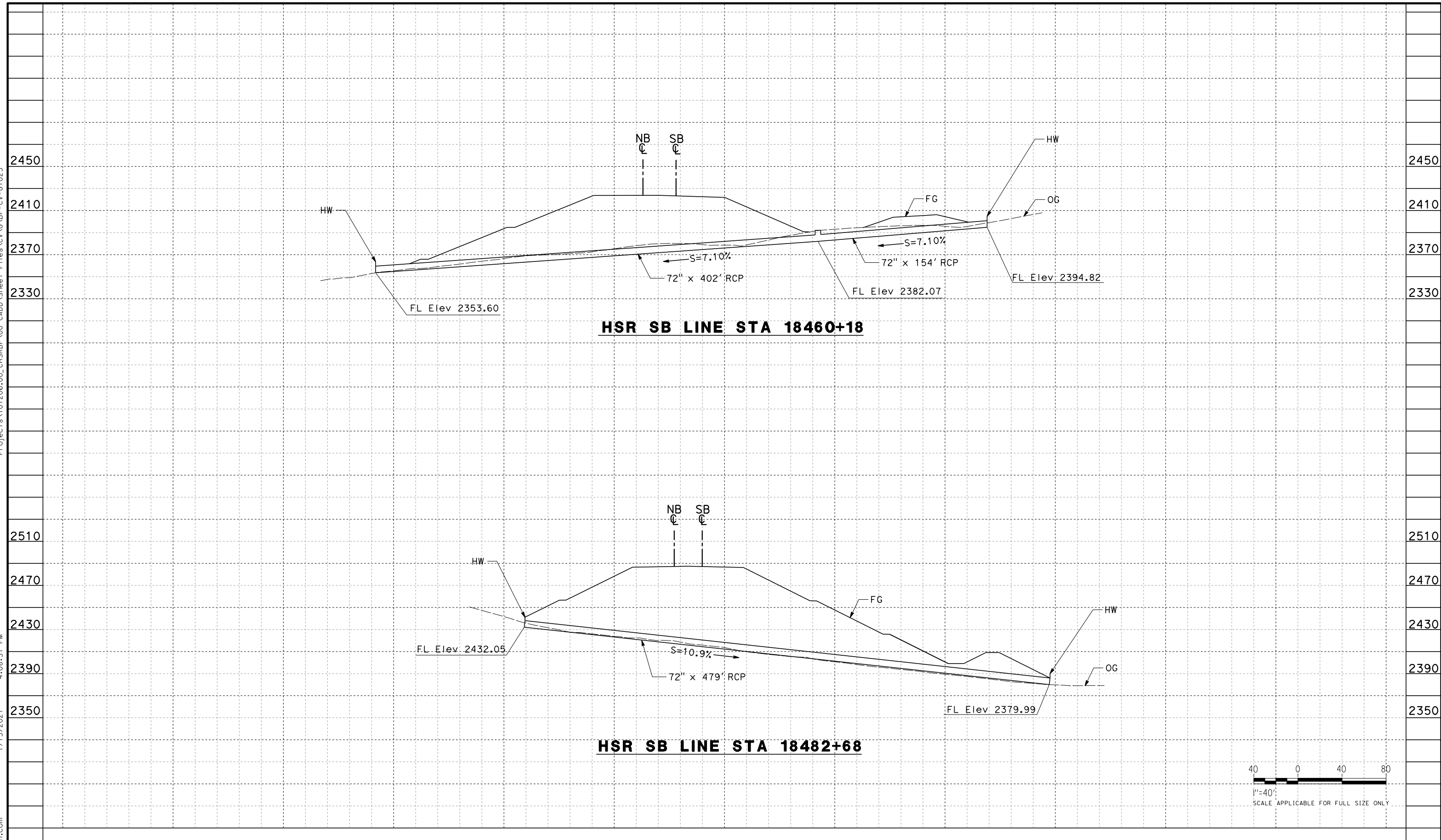
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1024
SCALE
AS SHOWN
SHEET NO.
47

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1025

4:08:57 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

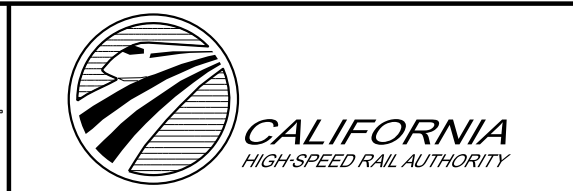
CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18460, 18483

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1025

SCALE
AS SHOWN

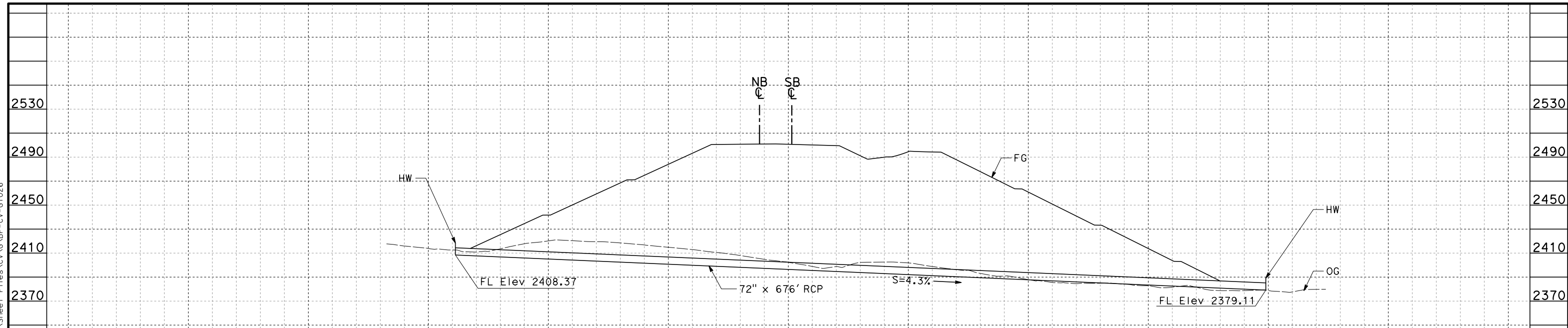
SHEET NO.
48

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1026

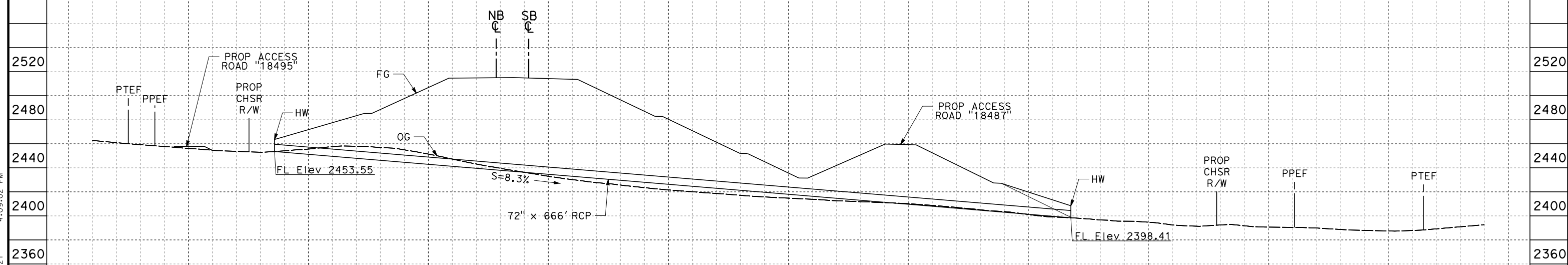
4:09:02 PM

1/13/2021

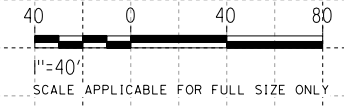
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18487+47



HSR SB LINE STA 18492+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18487, 18493

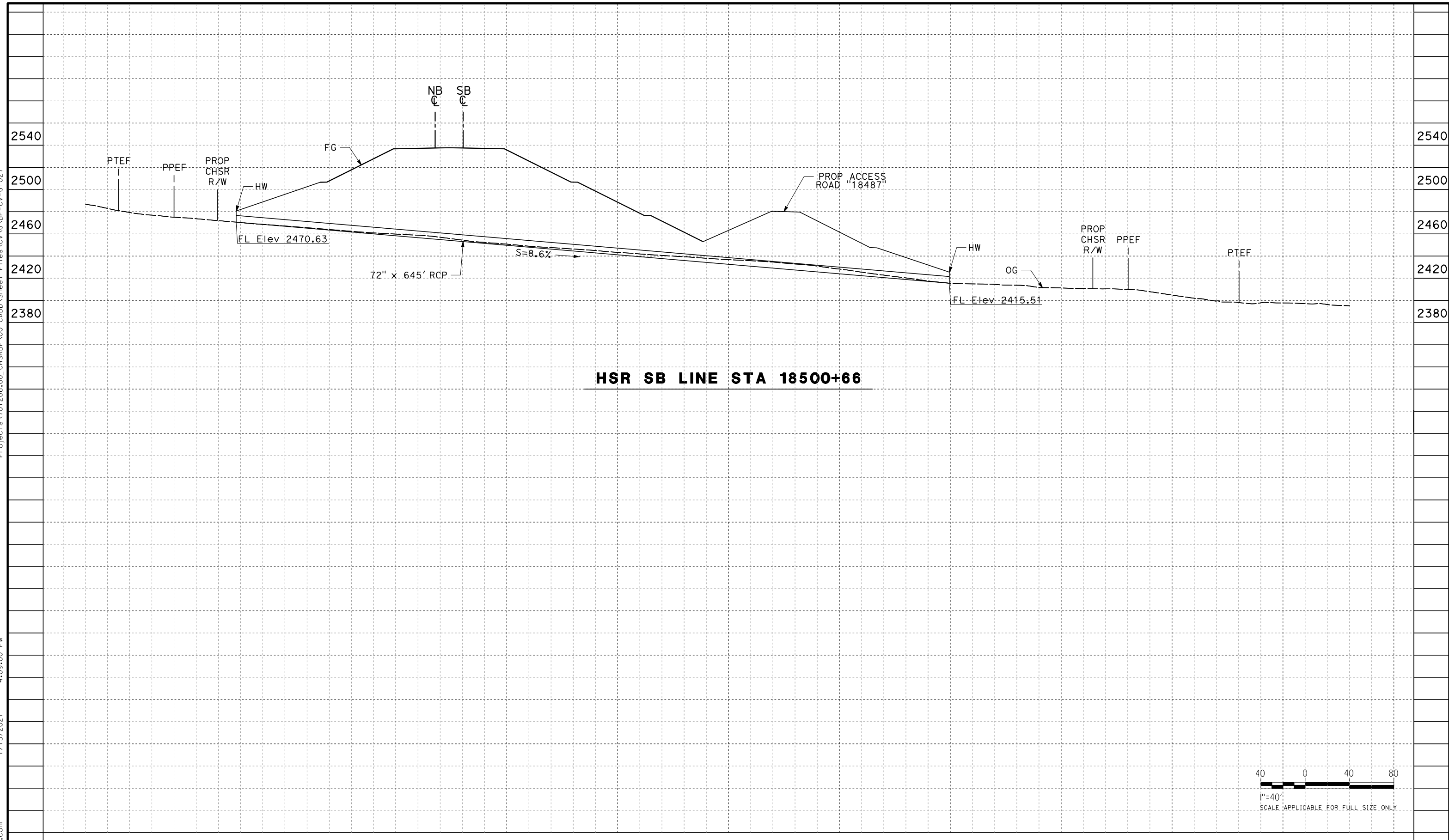
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1026
SCALE
AS SHOWN
SHEET NO.
49

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1027

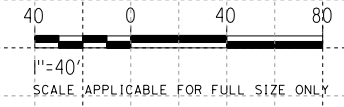
4:09:00 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18500+66



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

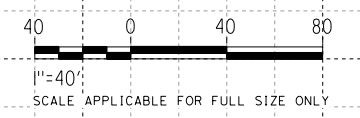
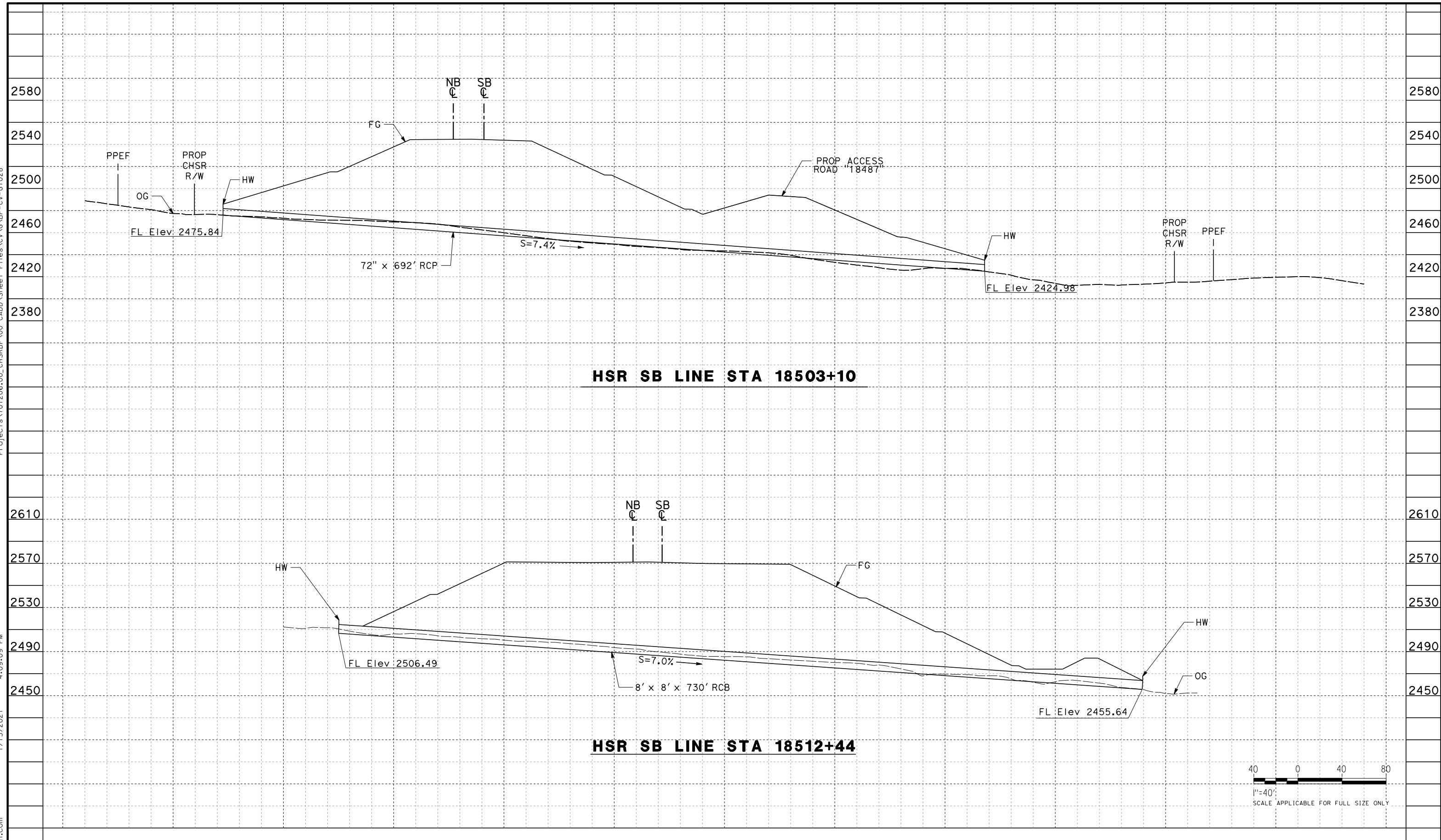
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18501

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1027
SCALE
AS SHOWN
SHEET NO.
50

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1028

4:09:09 PM
1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18503, 18512

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1028

SCALE
AS SHOWN

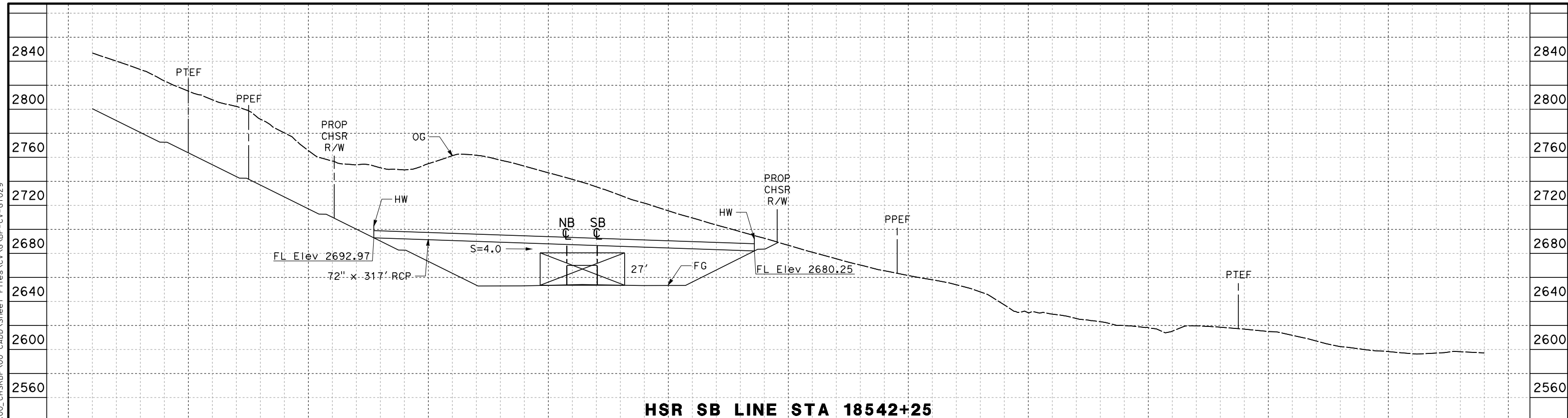
SHEET NO.
51

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1029

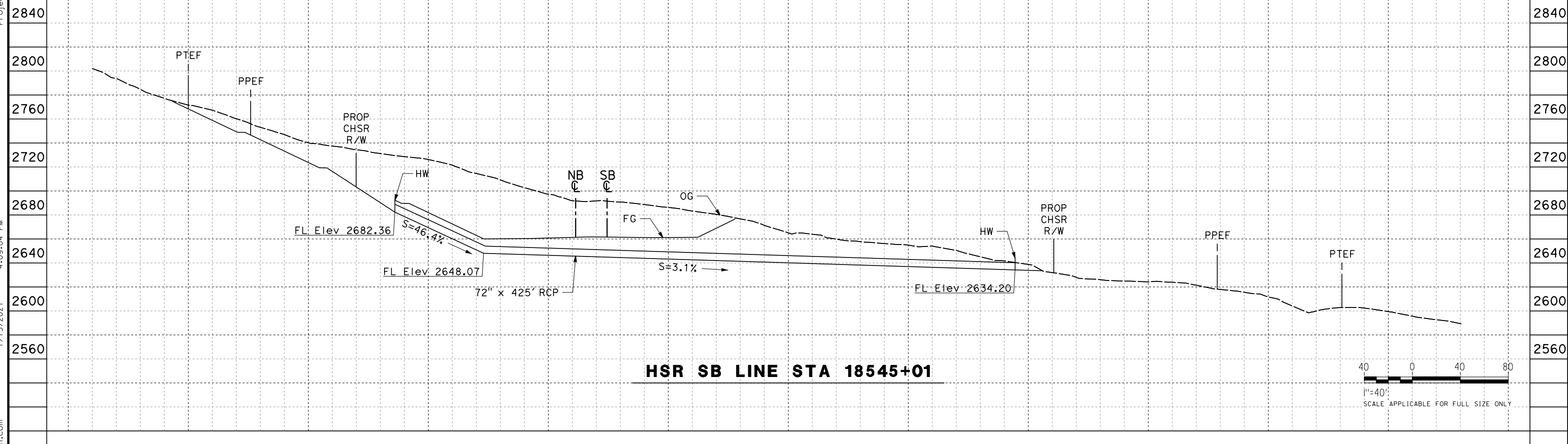
4:09:04 PM

1/13/2021

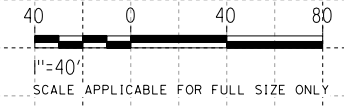
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18542+25



HSR SB LINE STA 18545+01



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18542, 18545

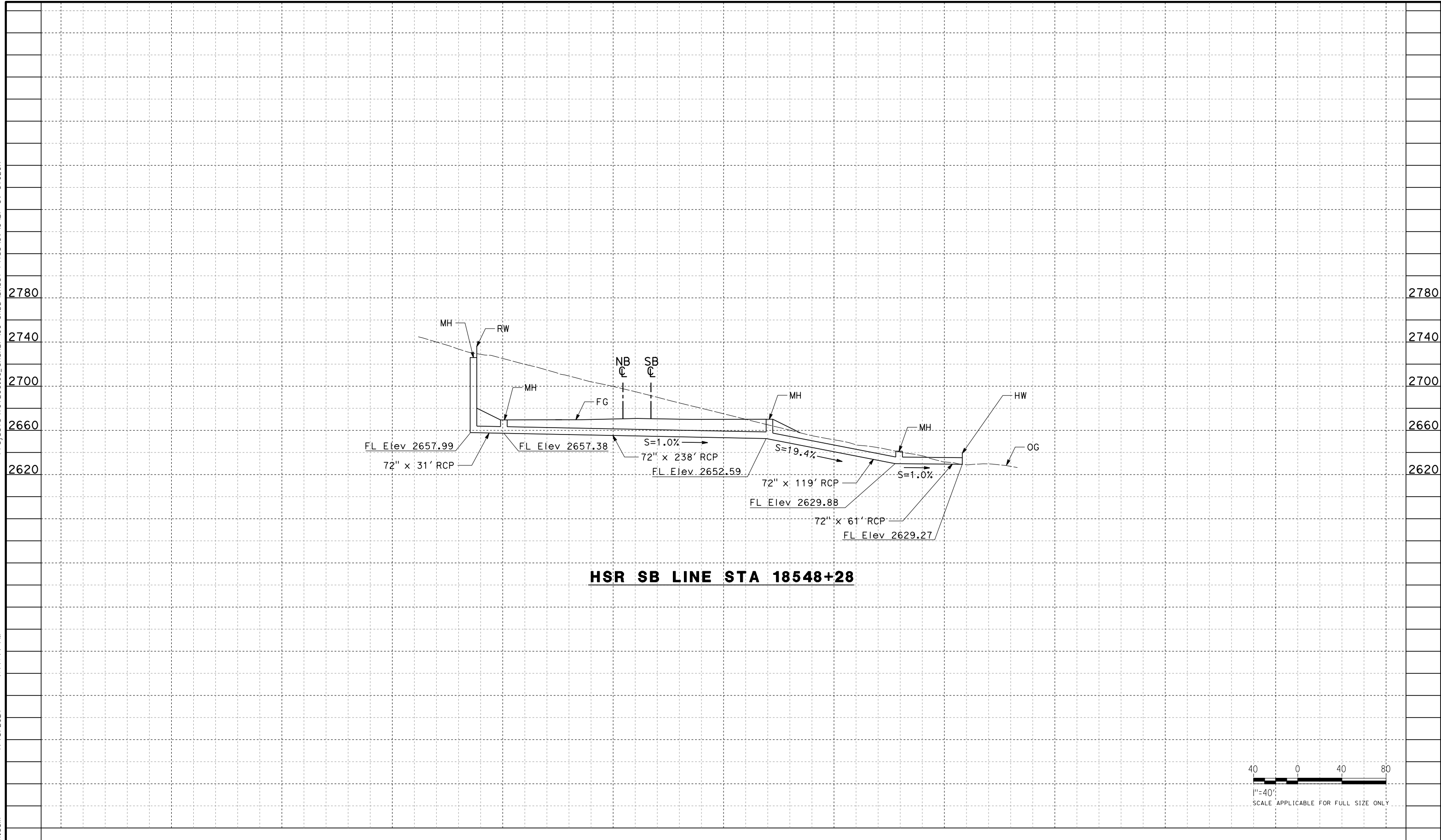
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1029
SCALE
AS SHOWN
SHEET NO.
52

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1029A

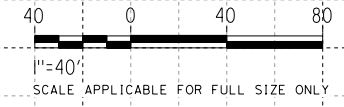
4:11:44 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18548+28



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18548

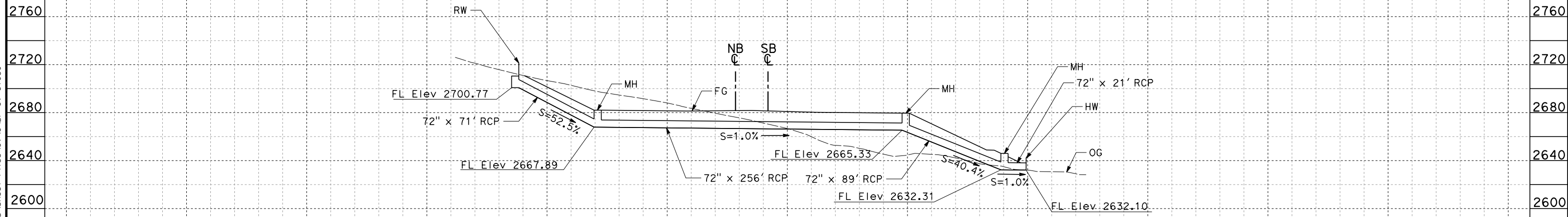
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1029A
SCALE
AS SHOWN
SHEET NO.
53

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1030

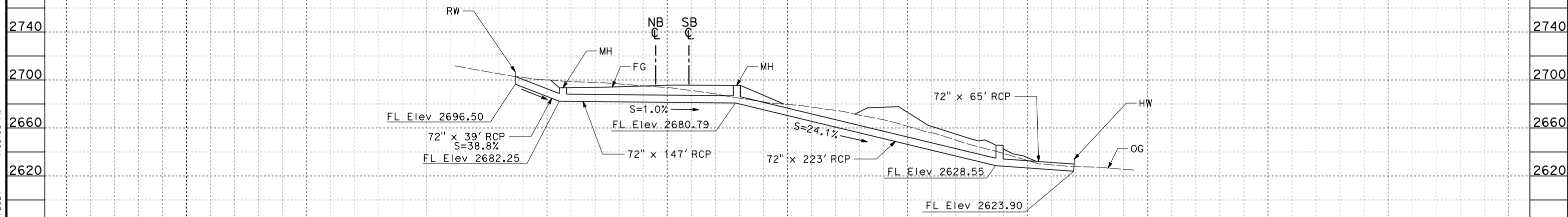
4:09:08 PM

1/13/2021

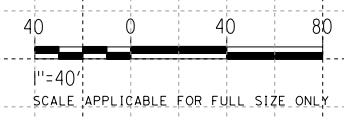
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18551+79



HSR SB LINE STA 18557+31



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18552, 18557

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1030

SCALE
AS SHOWN

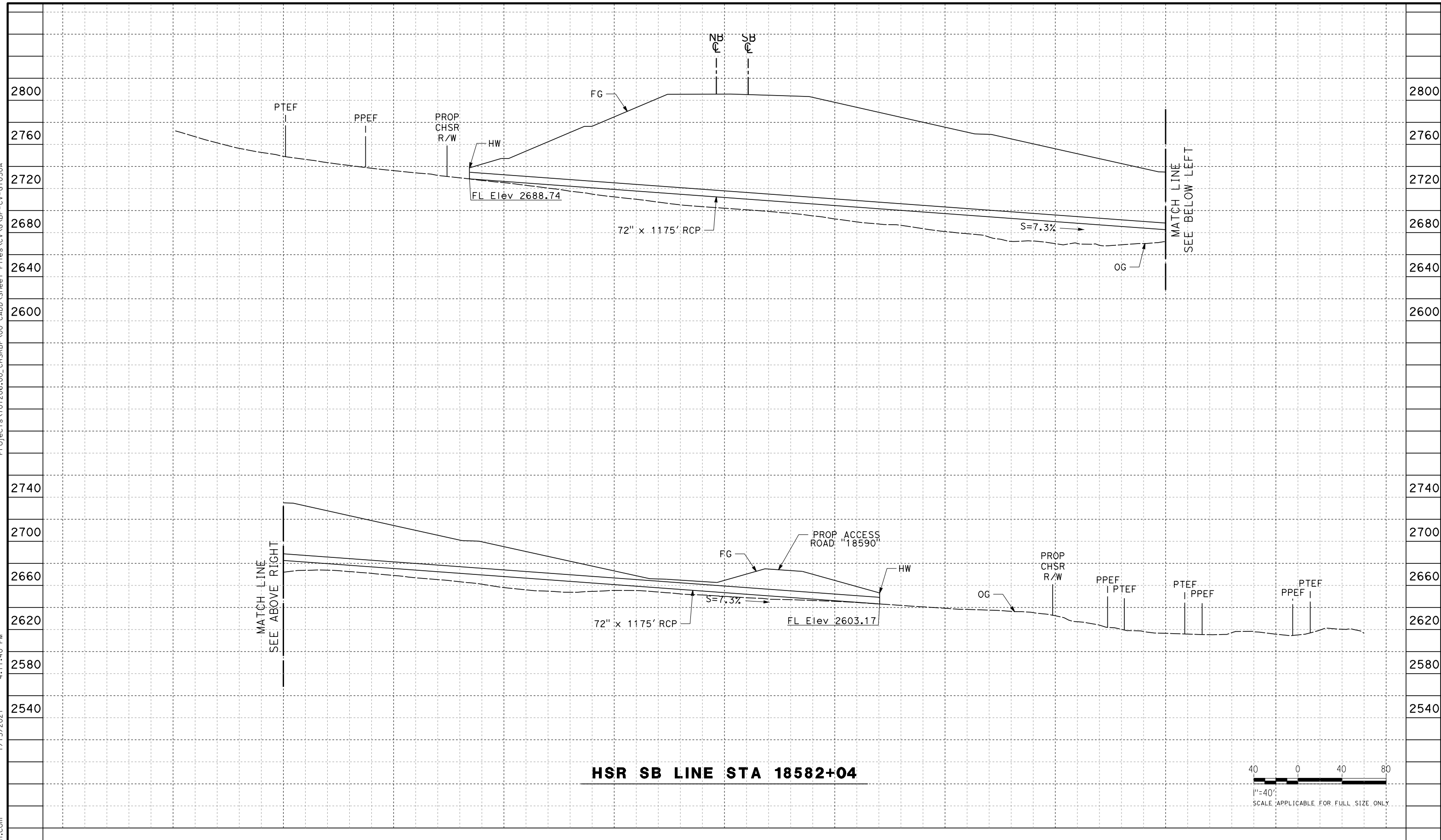
SHEET NO.
54

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1030A

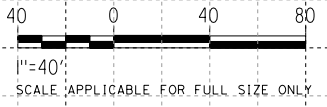
4:11:40 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18582+04



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18582

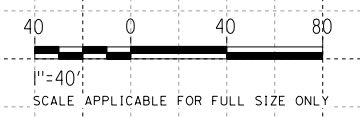
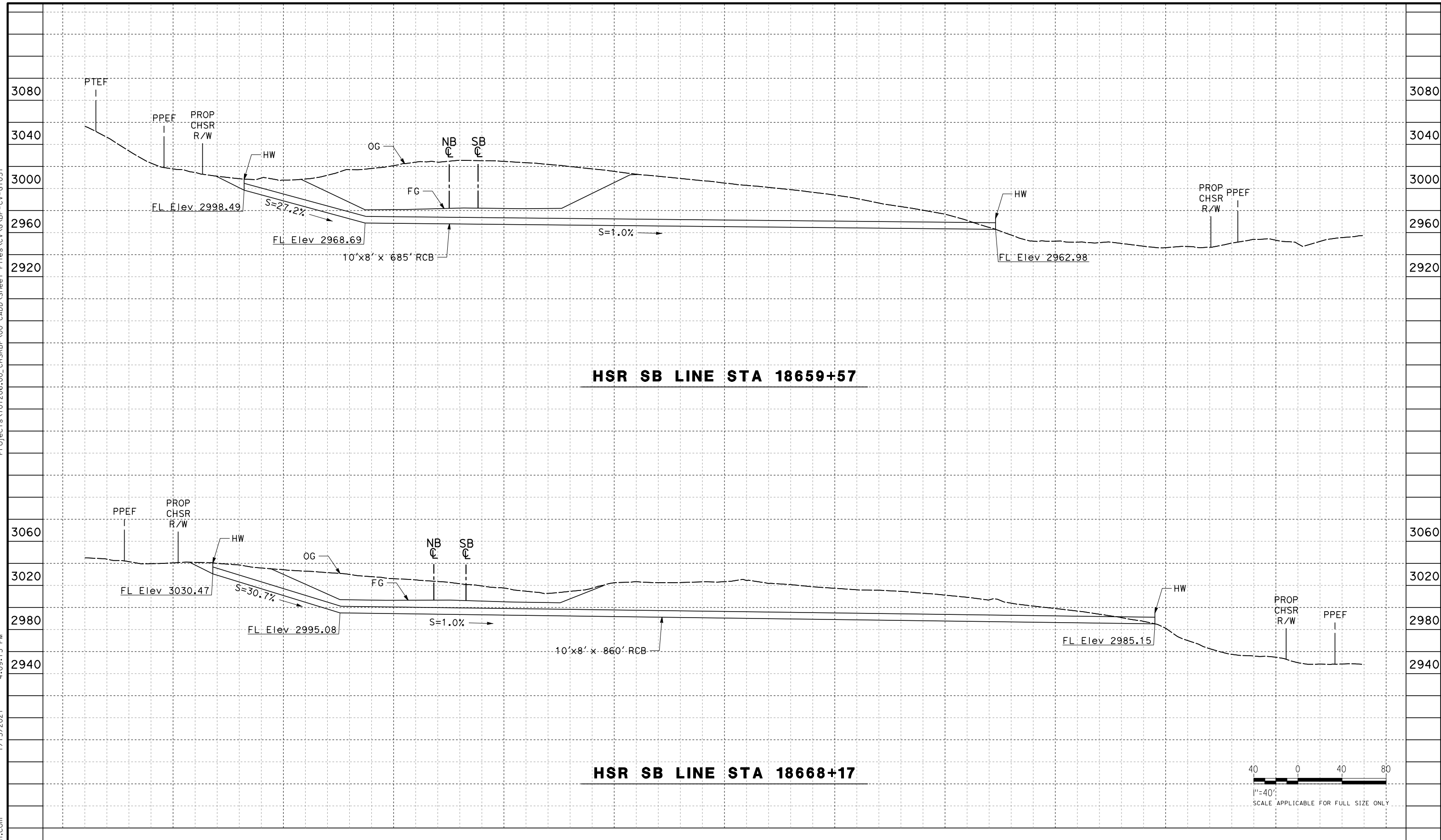
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1030A
SCALE
AS SHOWN
SHEET NO.
55

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1031

4:09:13 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18660, 18668

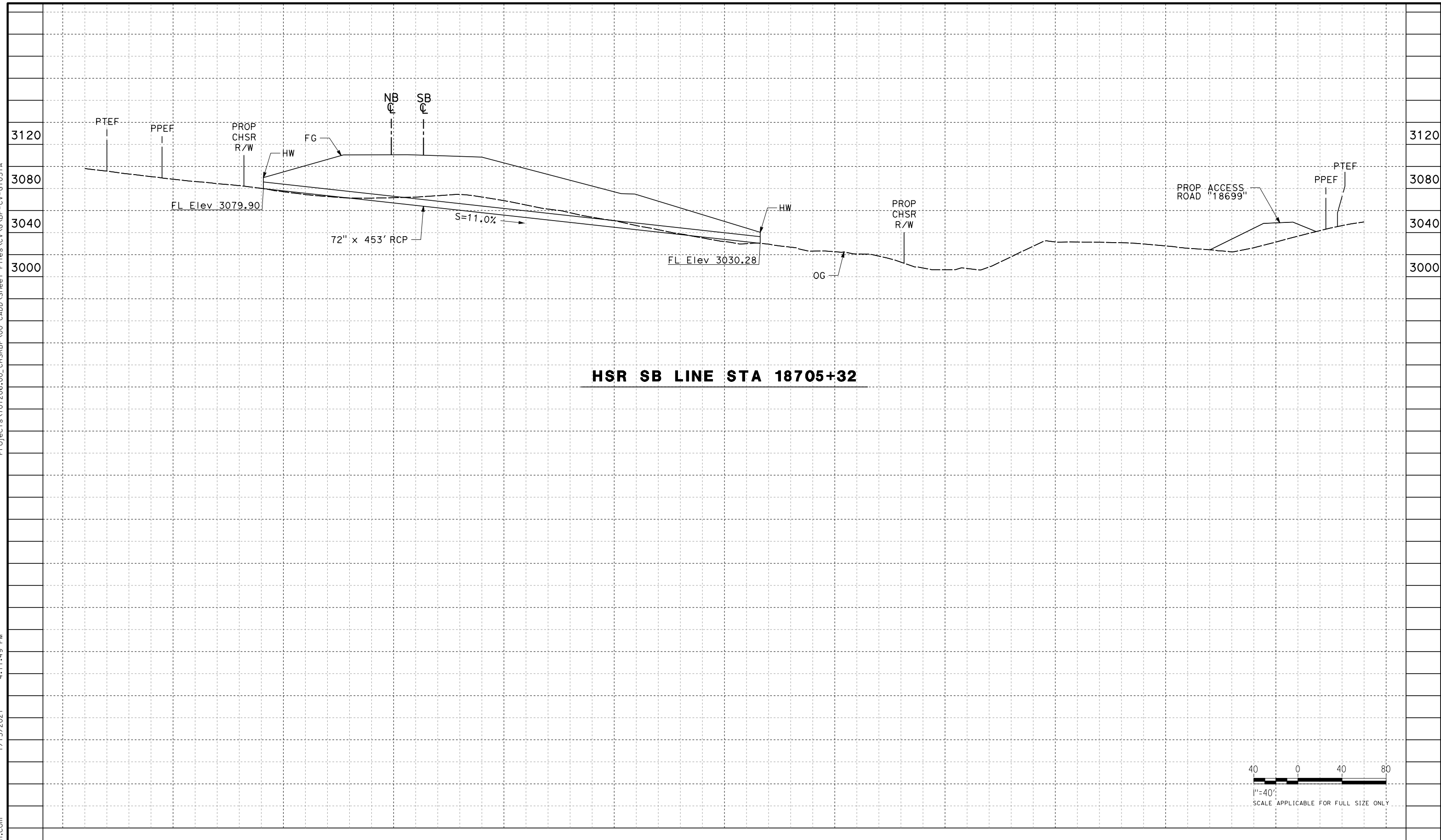
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1031
SCALE
AS SHOWN
SHEET NO.
56

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1031A

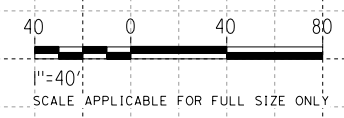
4:11:49 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18705+32



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18705

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1031A

SCALE
AS SHOWN

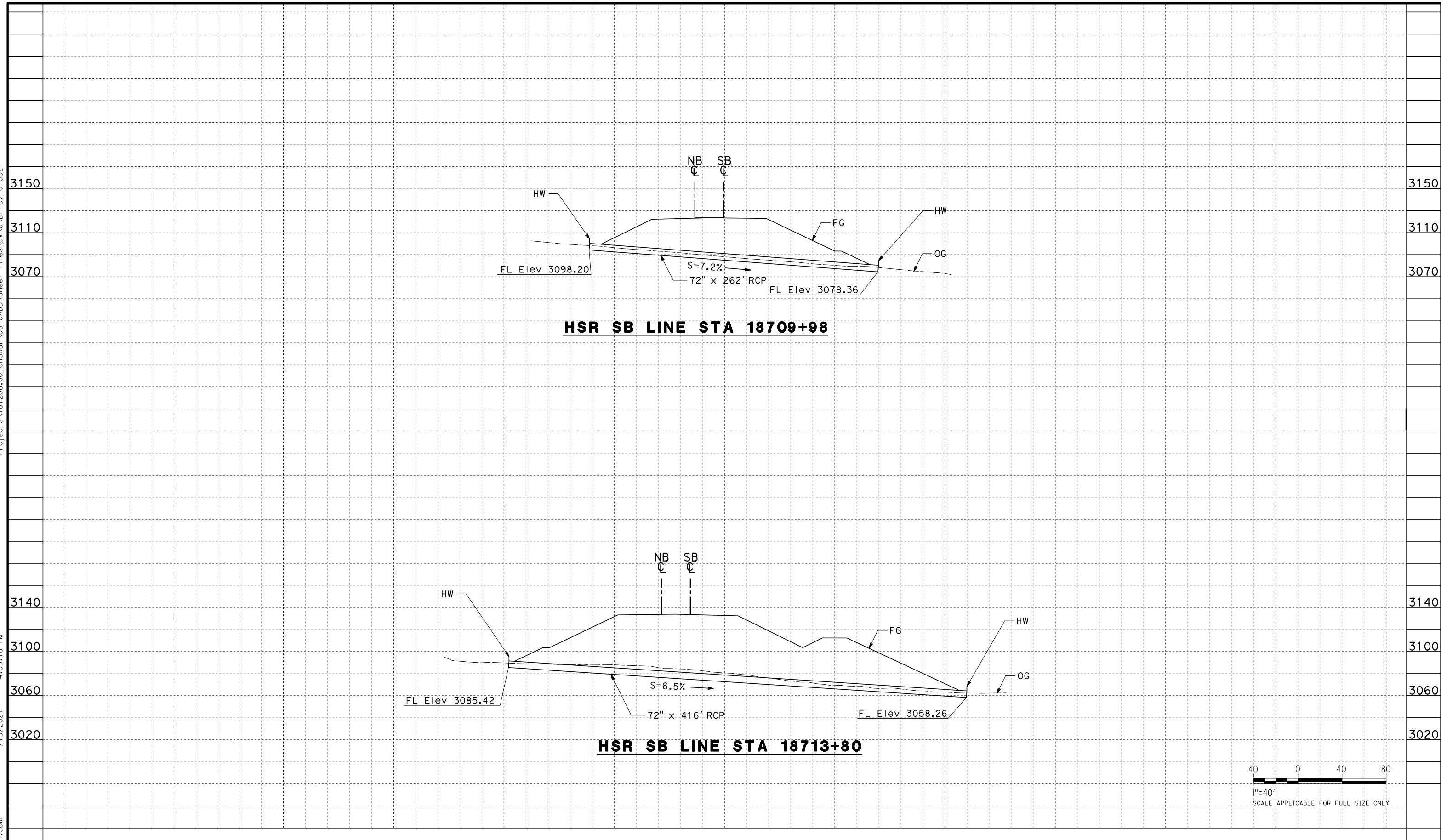
SHEET NO.
57

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1032

4:09:18 PM

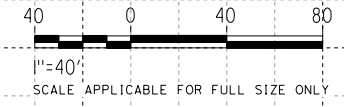
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18709+98

HSR SB LINE STA 18713+80



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18710, 18713

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1032

SCALE
AS SHOWN

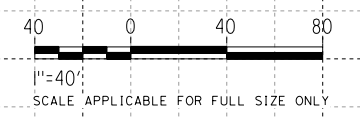
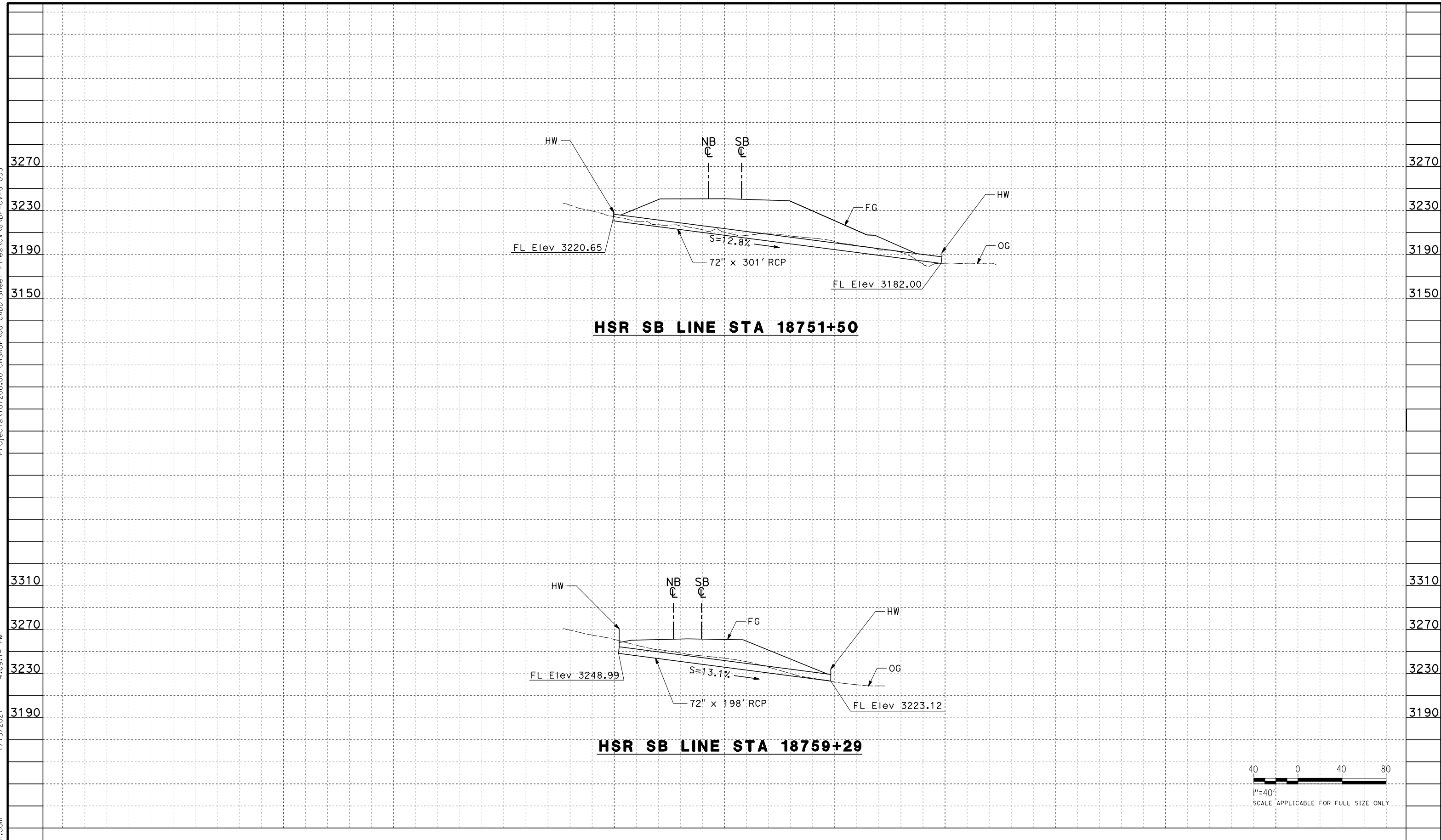
SHEET NO.
58

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1033

4:09:14 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18752, 18759

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1033

SCALE
AS SHOWN

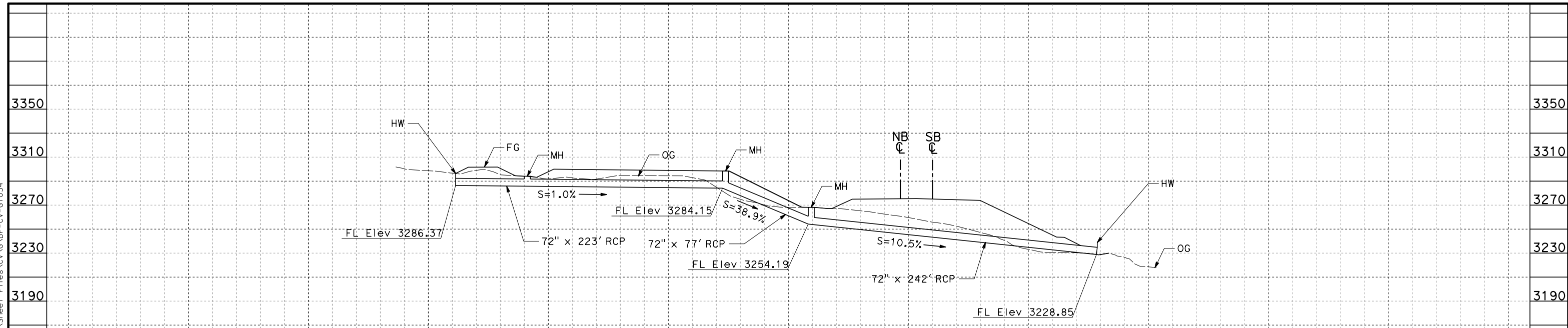
SHEET NO.
59

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G.BP-CV-G1034

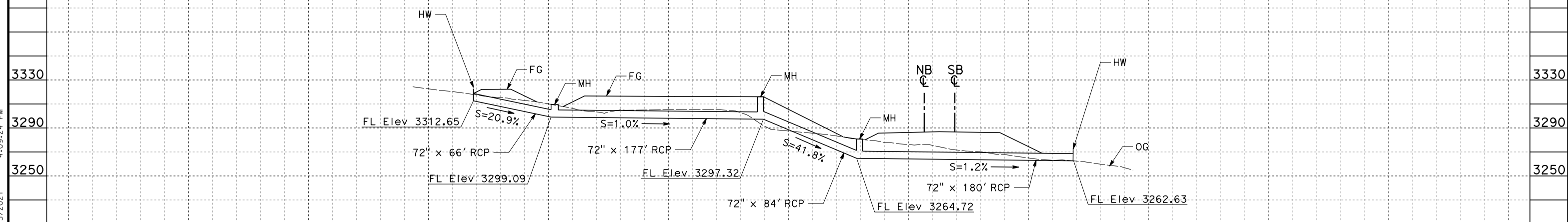
4:09:24 PM

1/13/2021

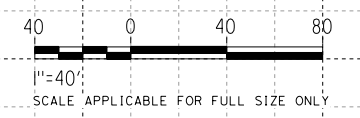
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18764+42



HSR SB LINE STA 18768+48

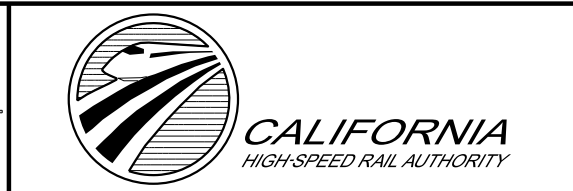


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18764, 18768

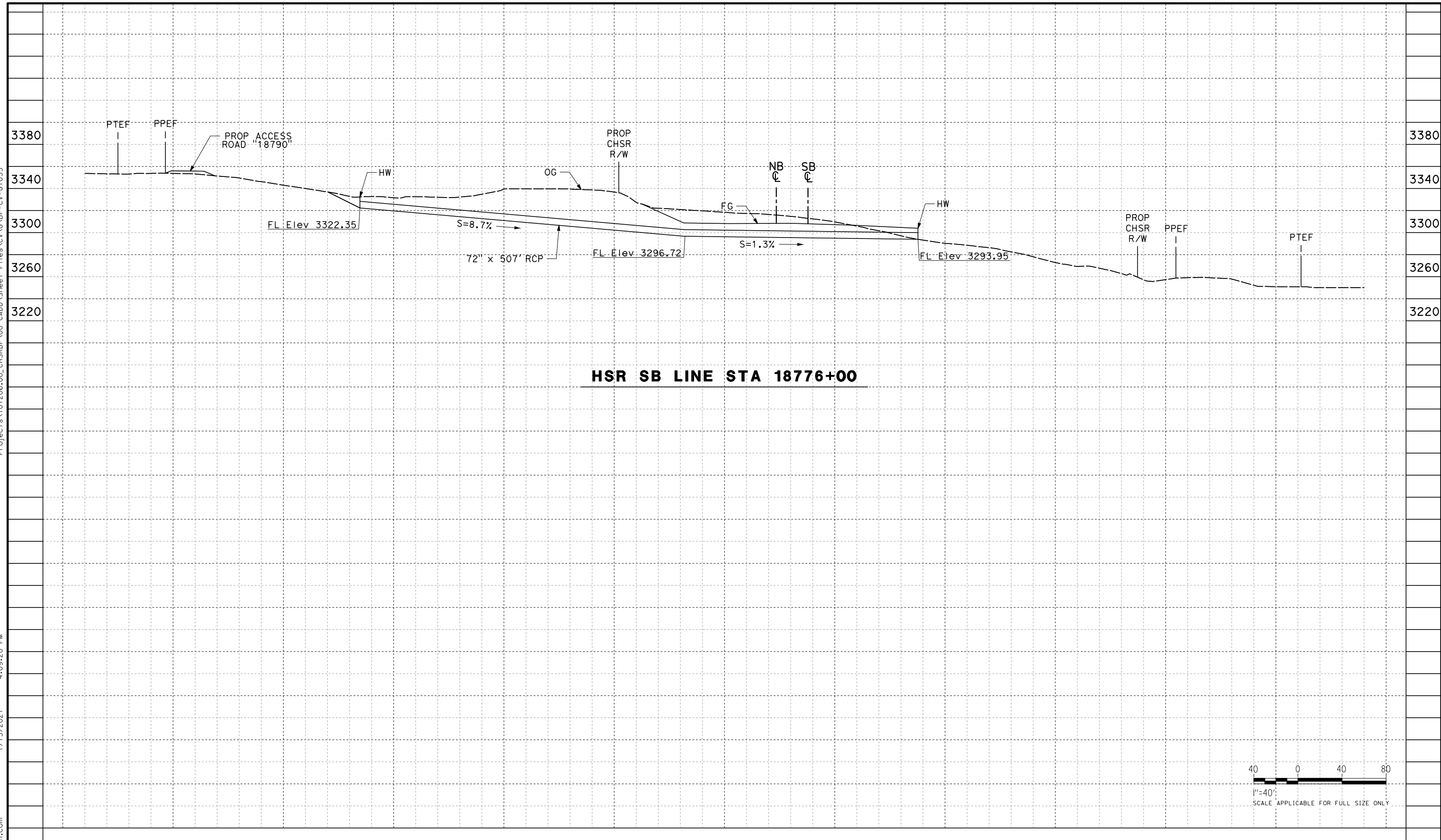
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1034
SCALE
AS SHOWN
SHEET NO.
60

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G.BP-CV-G1035

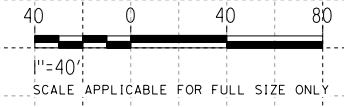
4:09:20 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18776+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18776

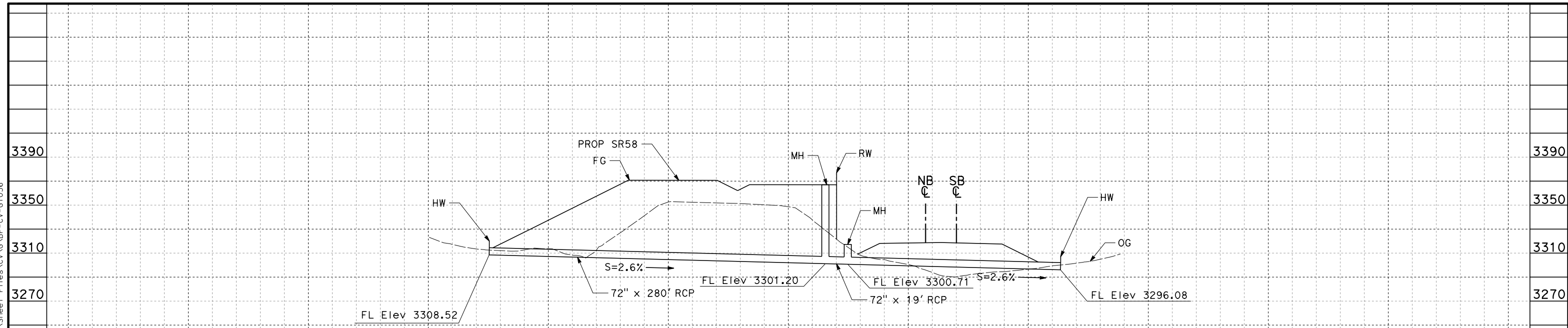
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1035
SCALE
AS SHOWN
SHEET NO.
61

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1036

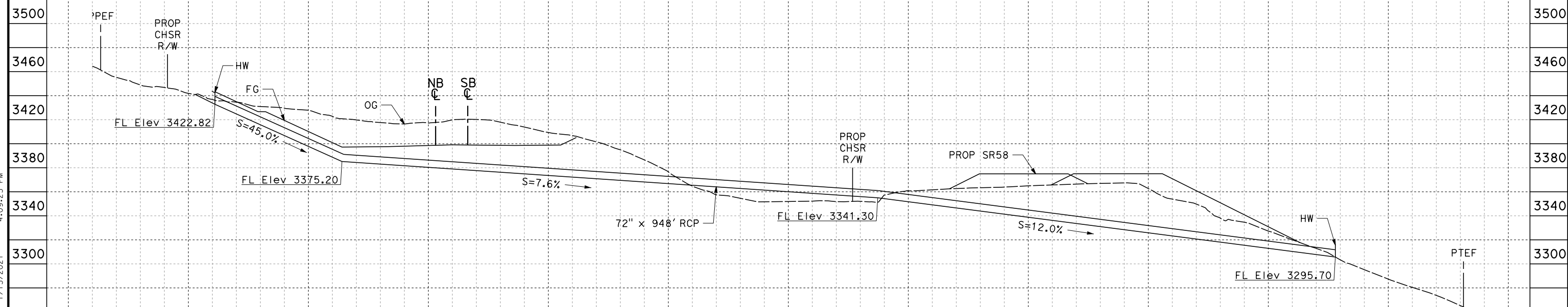
4:09:23 PM

1/13/2021

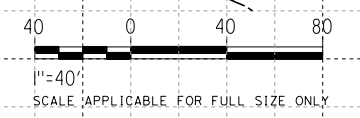
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18778+98



HSR SB LINE STA 18804+92



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18779, 18805

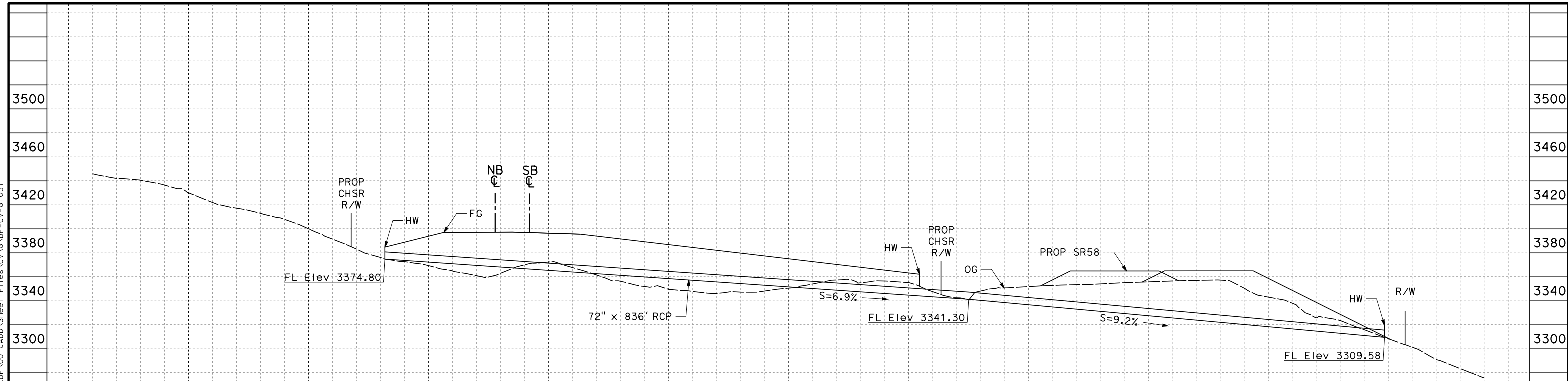
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1036
SCALE
AS SHOWN
SHEET NO.
62

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1037

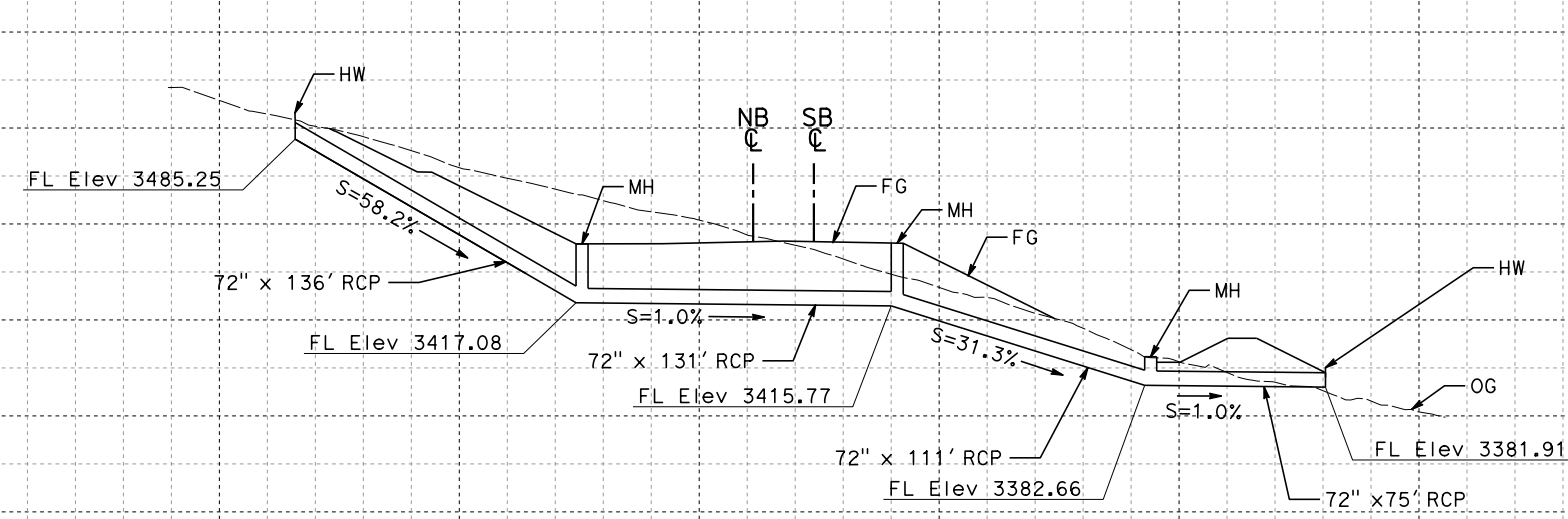
4:26:11 PM

1/13/2021

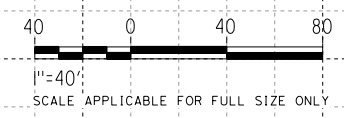
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18807+77



HSR SB LINE STA 18824+01



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18808, 18824

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1037

SCALE
AS SHOWN

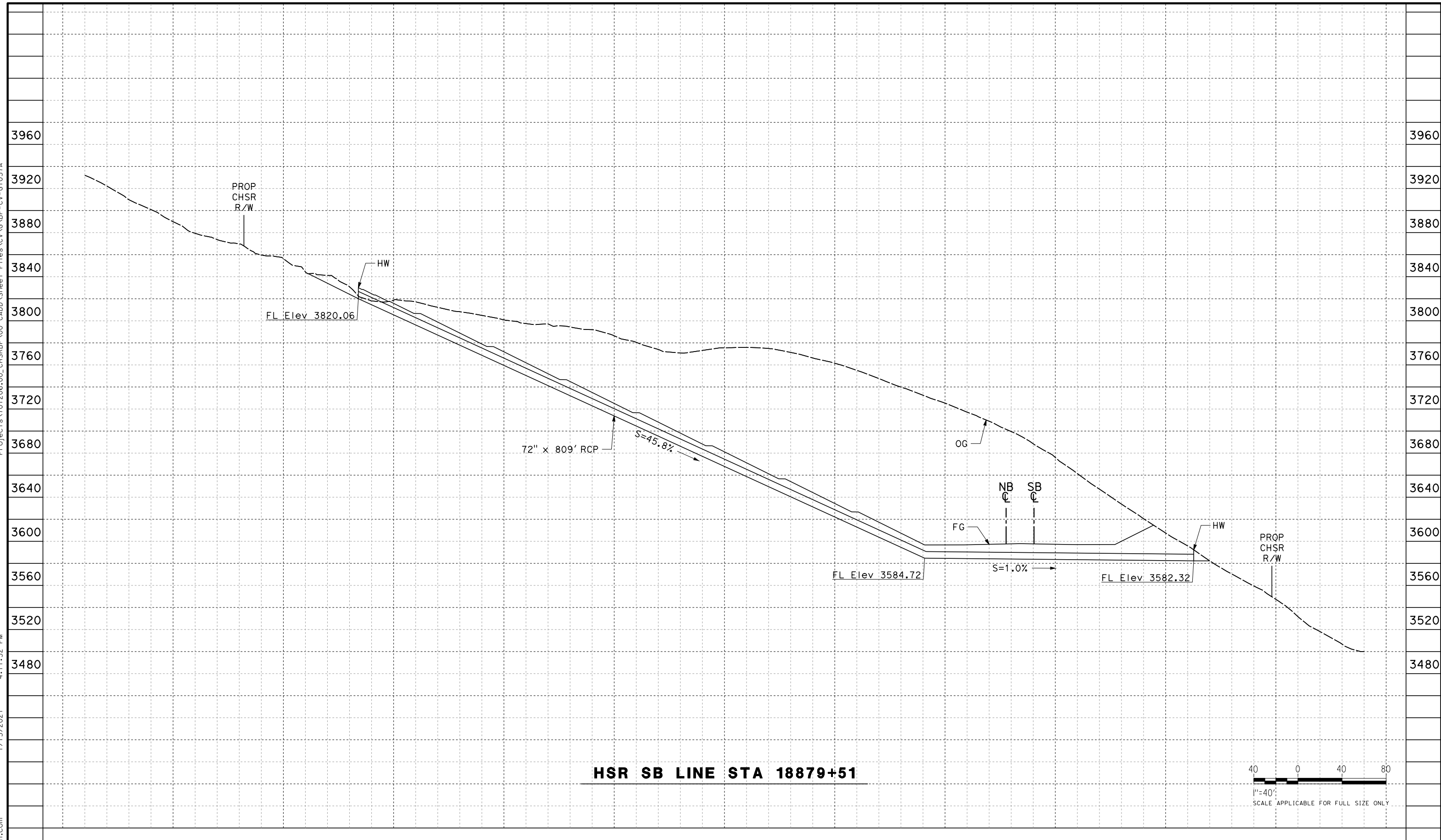
SHEET NO.
63

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1037A

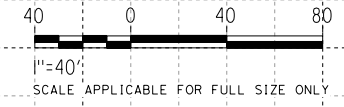
4:11:52 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18879+51



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18880

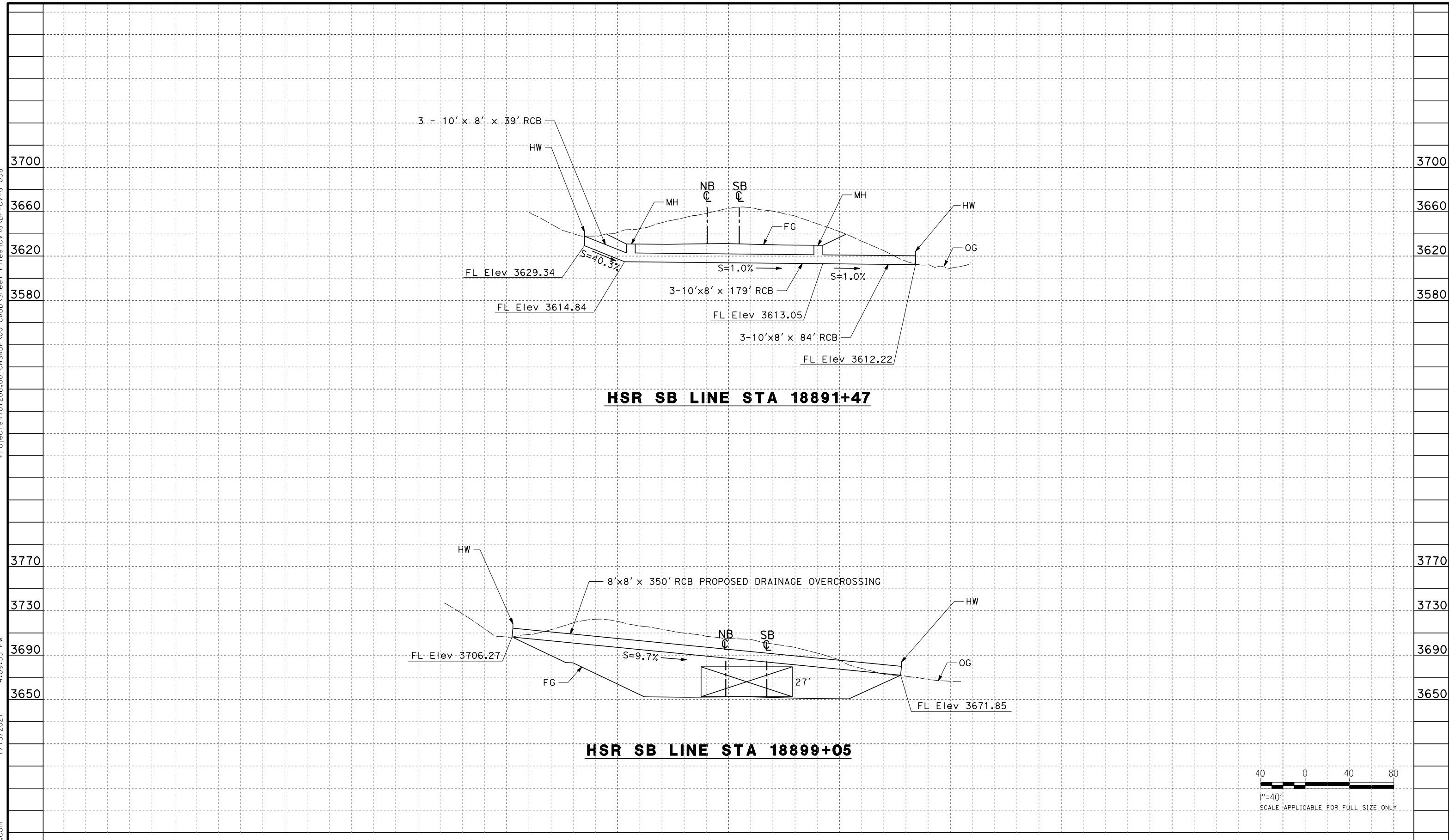
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1037A
SCALE
AS SHOWN
SHEET NO.
64

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1038

4:09:33 PM

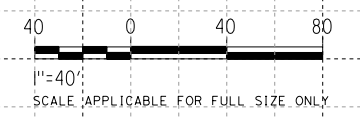
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18891+47

HSR SB LINE STA 18899+05



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18891, 18899

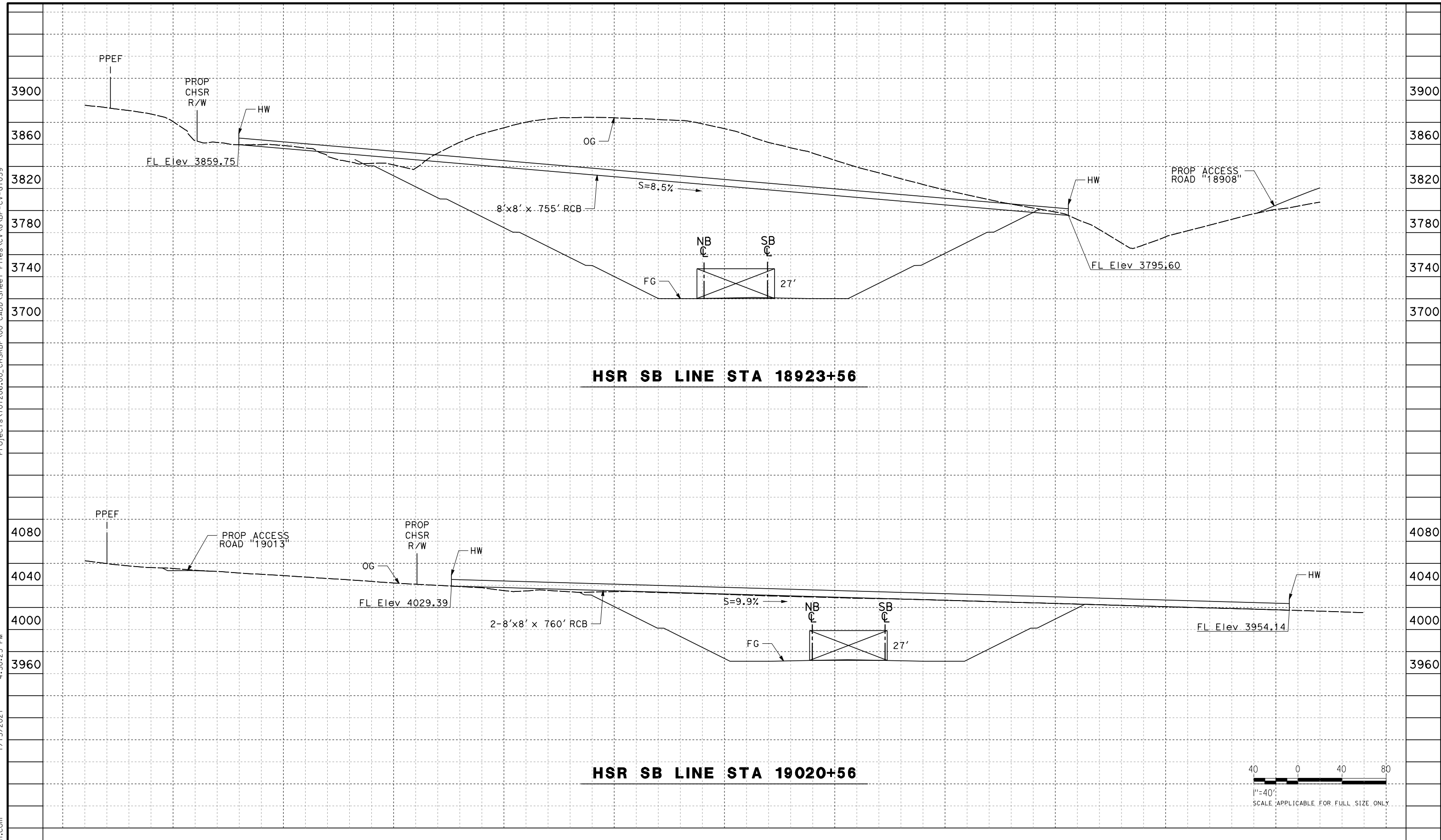
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1038
SCALE
AS SHOWN
SHEET NO.
65

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1039

4:30:23 PM

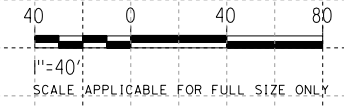
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 18923+56

HSR SB LINE STA 19020+56



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18924, 19021

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1039

SCALE
AS SHOWN

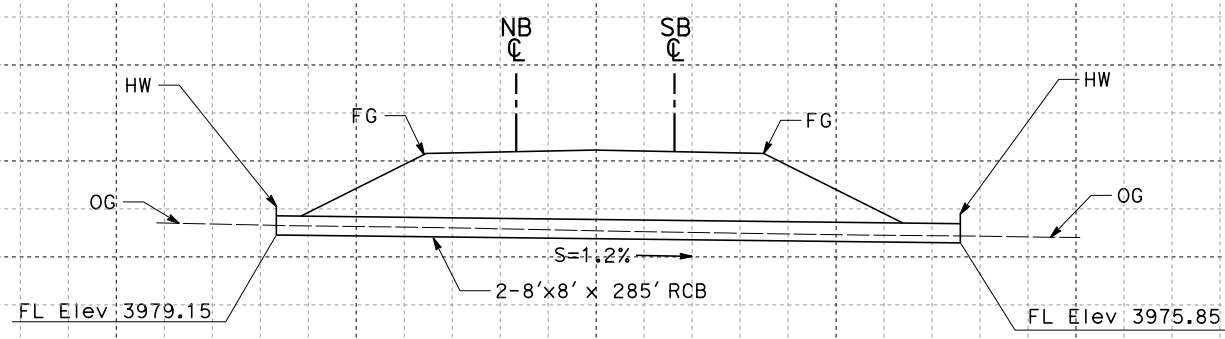
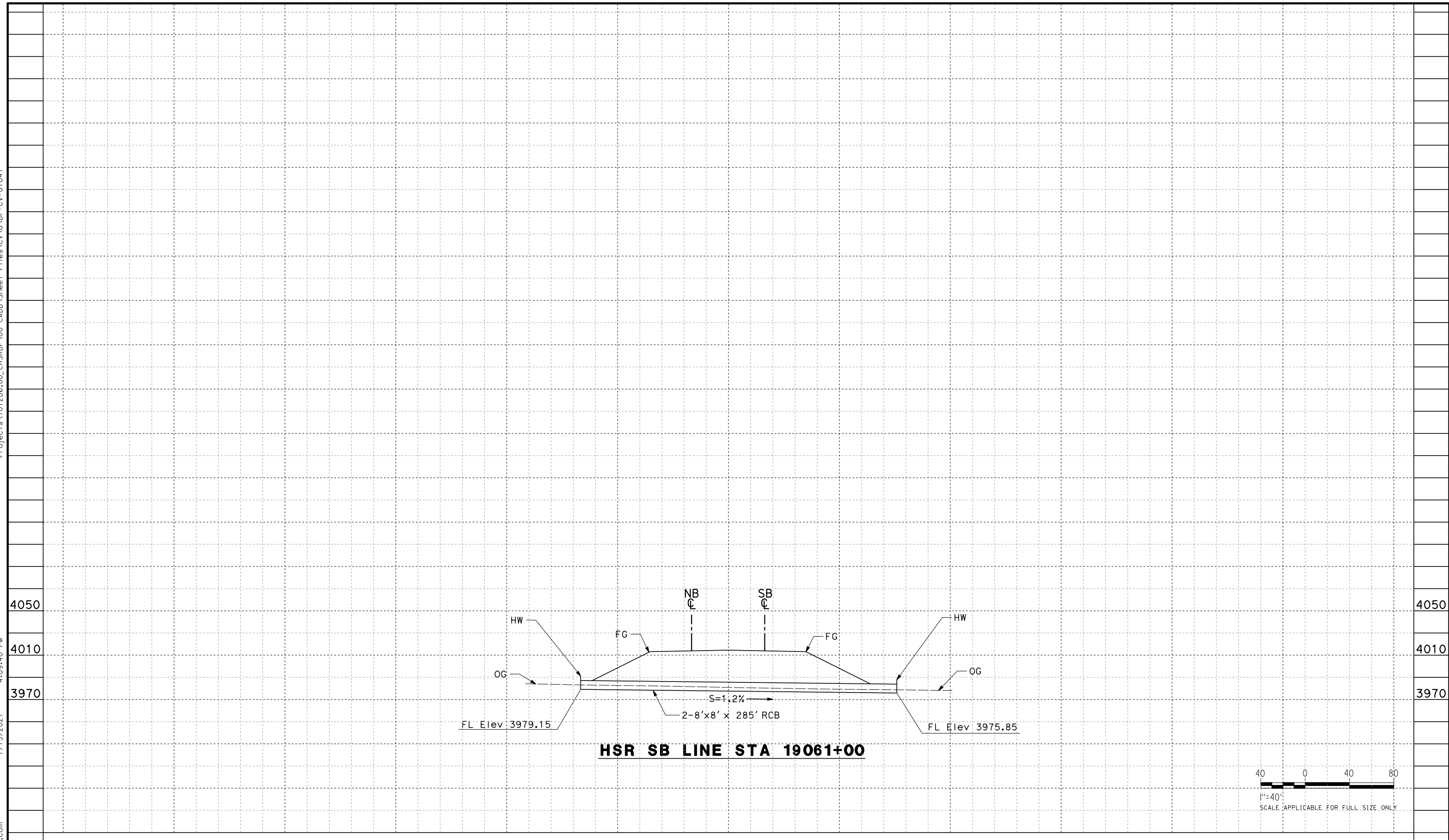
SHEET NO.
66

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1041

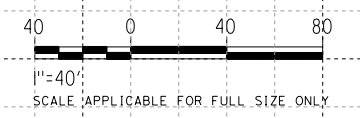
4:09:40 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19061+00



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19061

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1041

SCALE
AS SHOWN

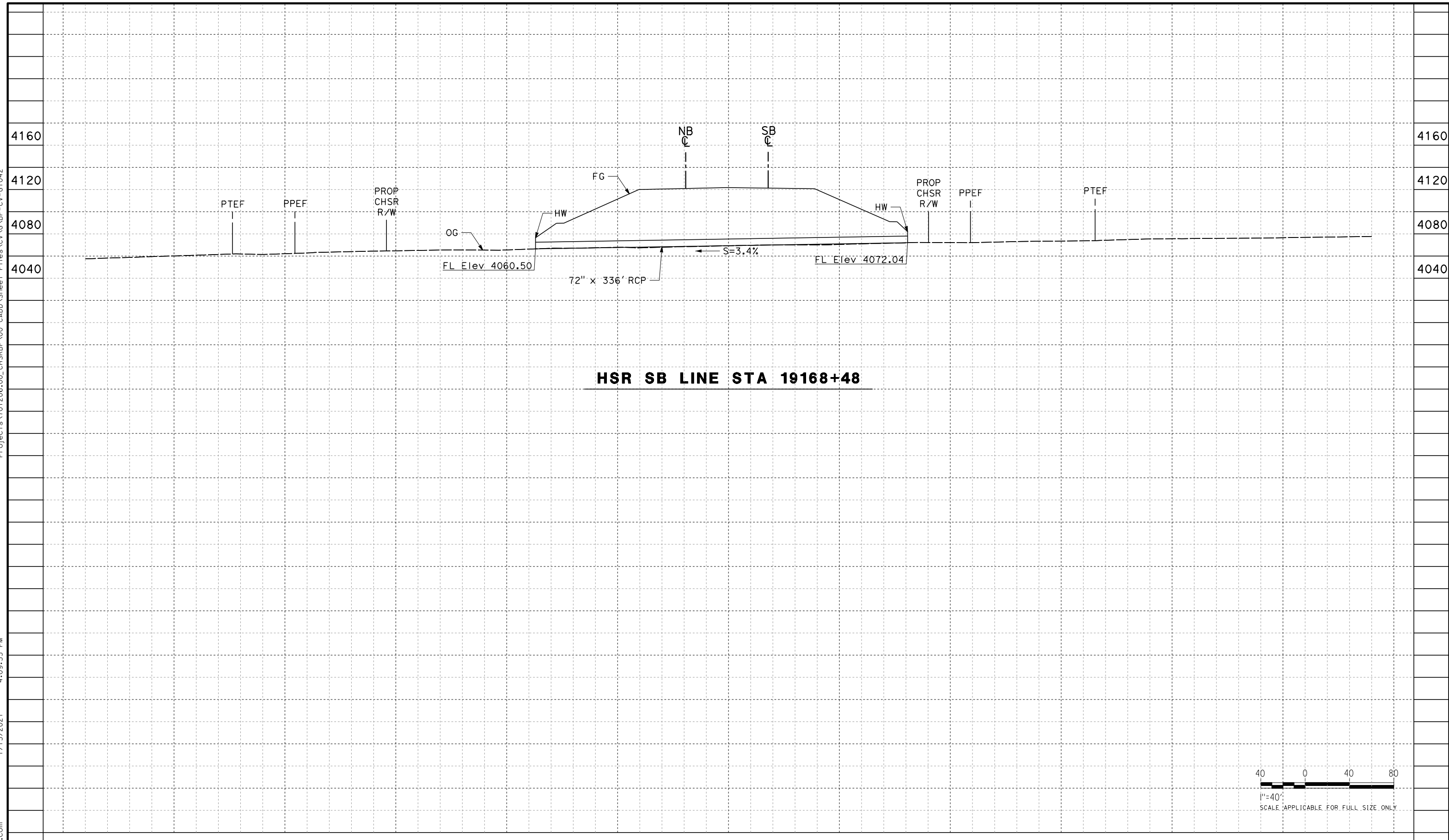
SHEET NO.
67

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1042

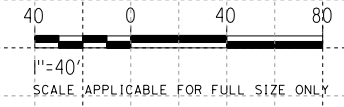
4:09:35 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19168+48



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19168

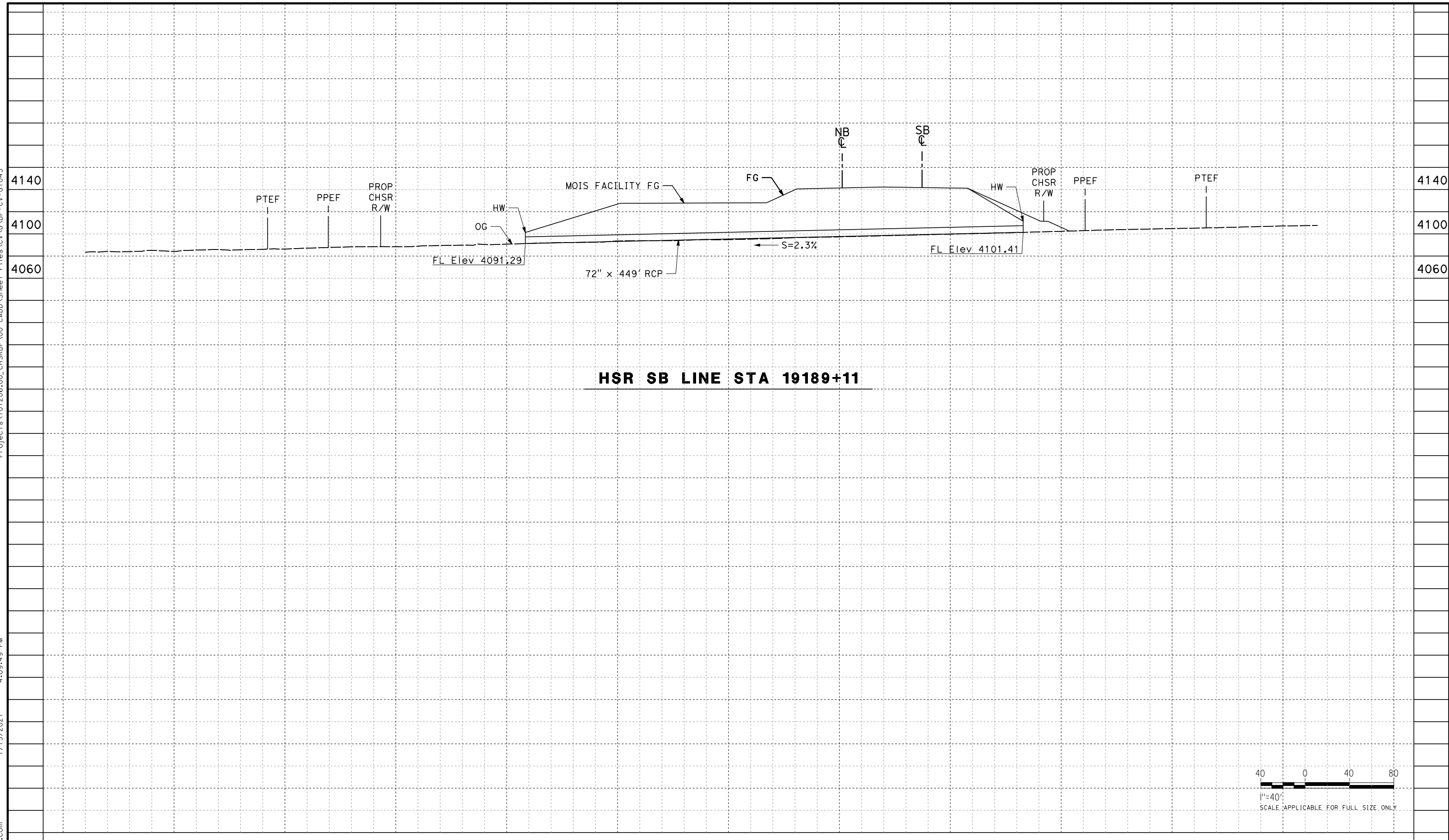
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1042
SCALE
AS SHOWN
SHEET NO.
68

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1043

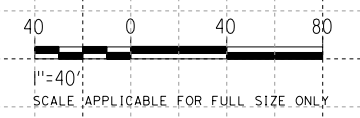
4:09:49 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19189+11



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19189

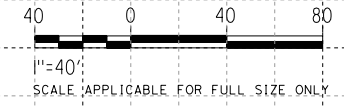
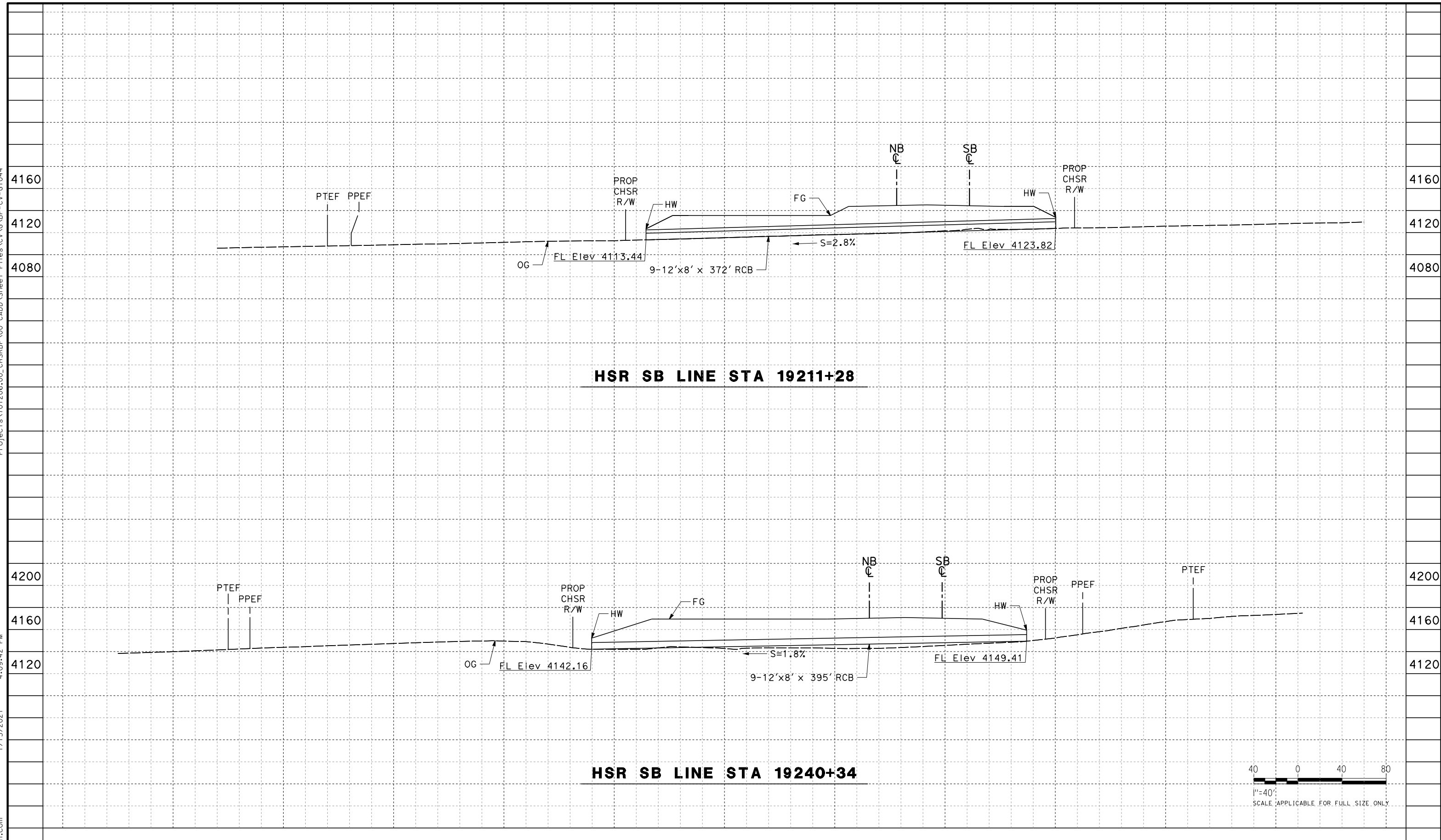
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1043
SCALE
AS SHOWN
SHEET NO.
69

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1044

4:09:42 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19211, 19240

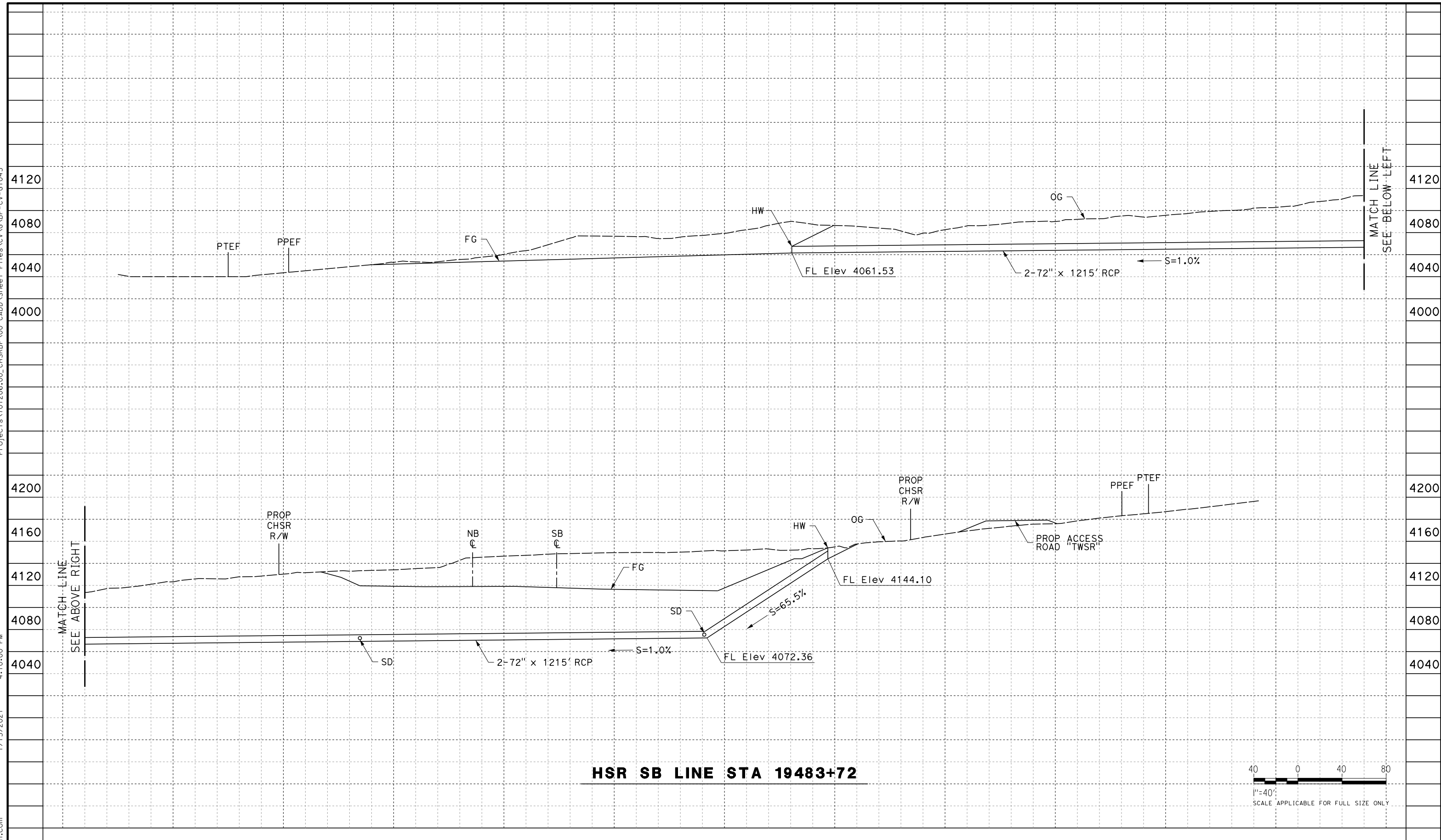
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1044
SCALE
AS SHOWN
SHEET NO.
70

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1045

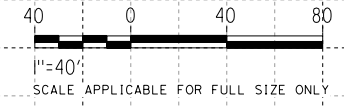
4:10:00 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19483+72



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19484

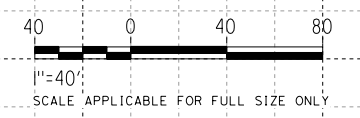
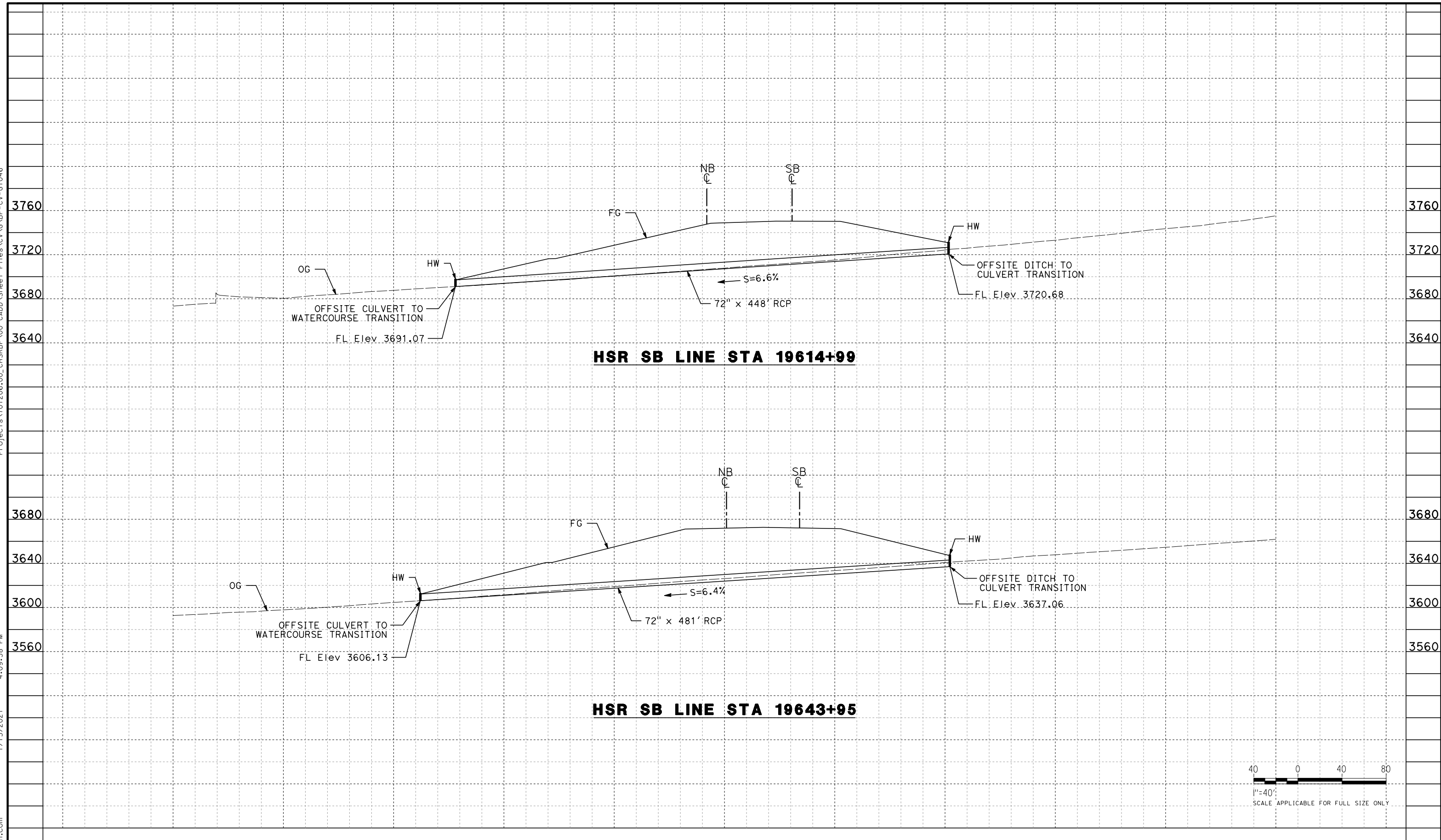
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1045
SCALE
AS SHOWN
SHEET NO.
71

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G.BP-CV-G1046

4:09:38 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19615, 19644

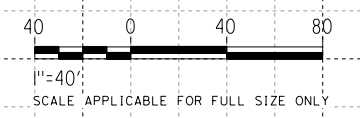
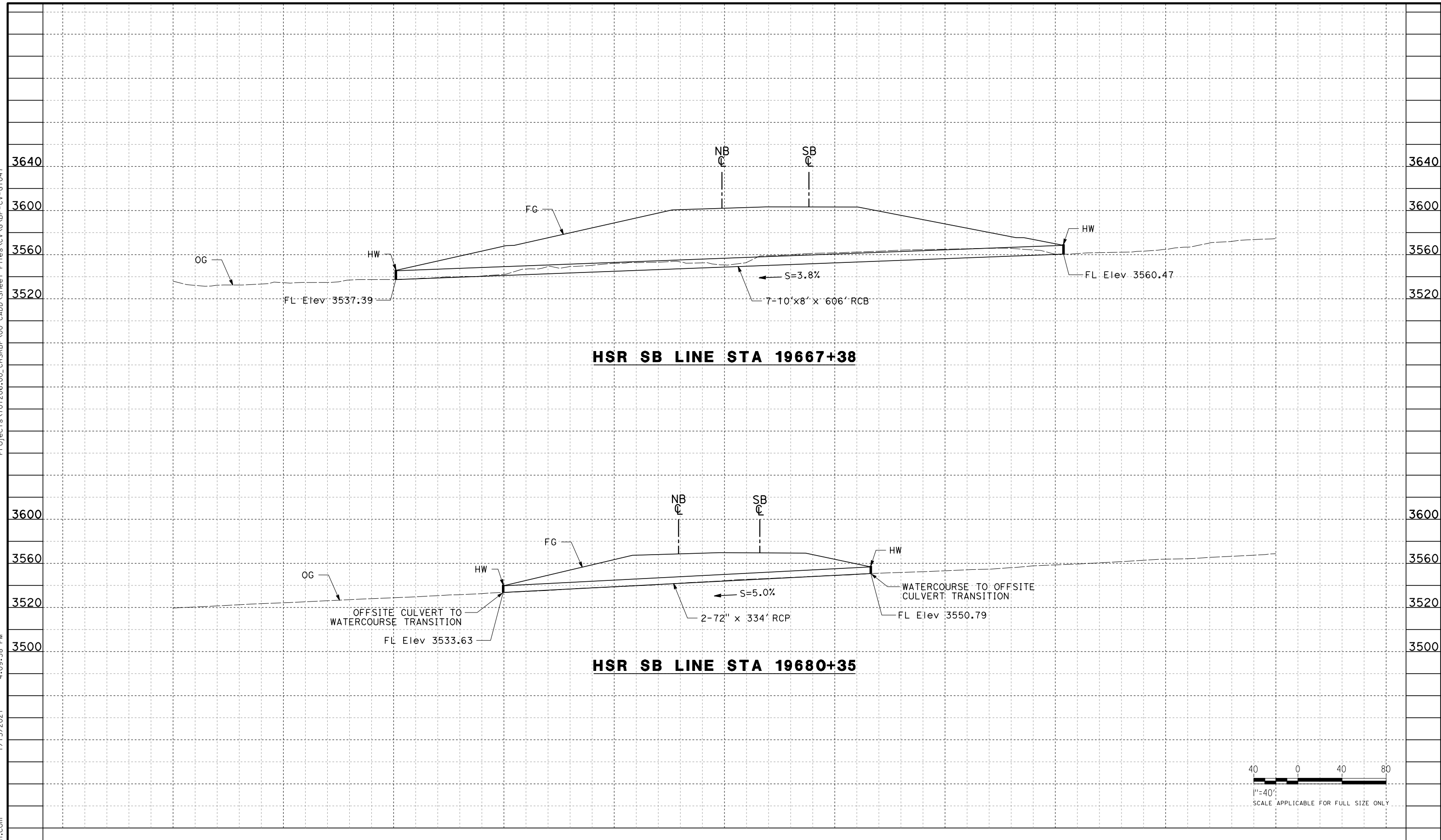
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1046
SCALE
AS SHOWN
SHEET NO.
72

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1047

4:09:58 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19667, 19680

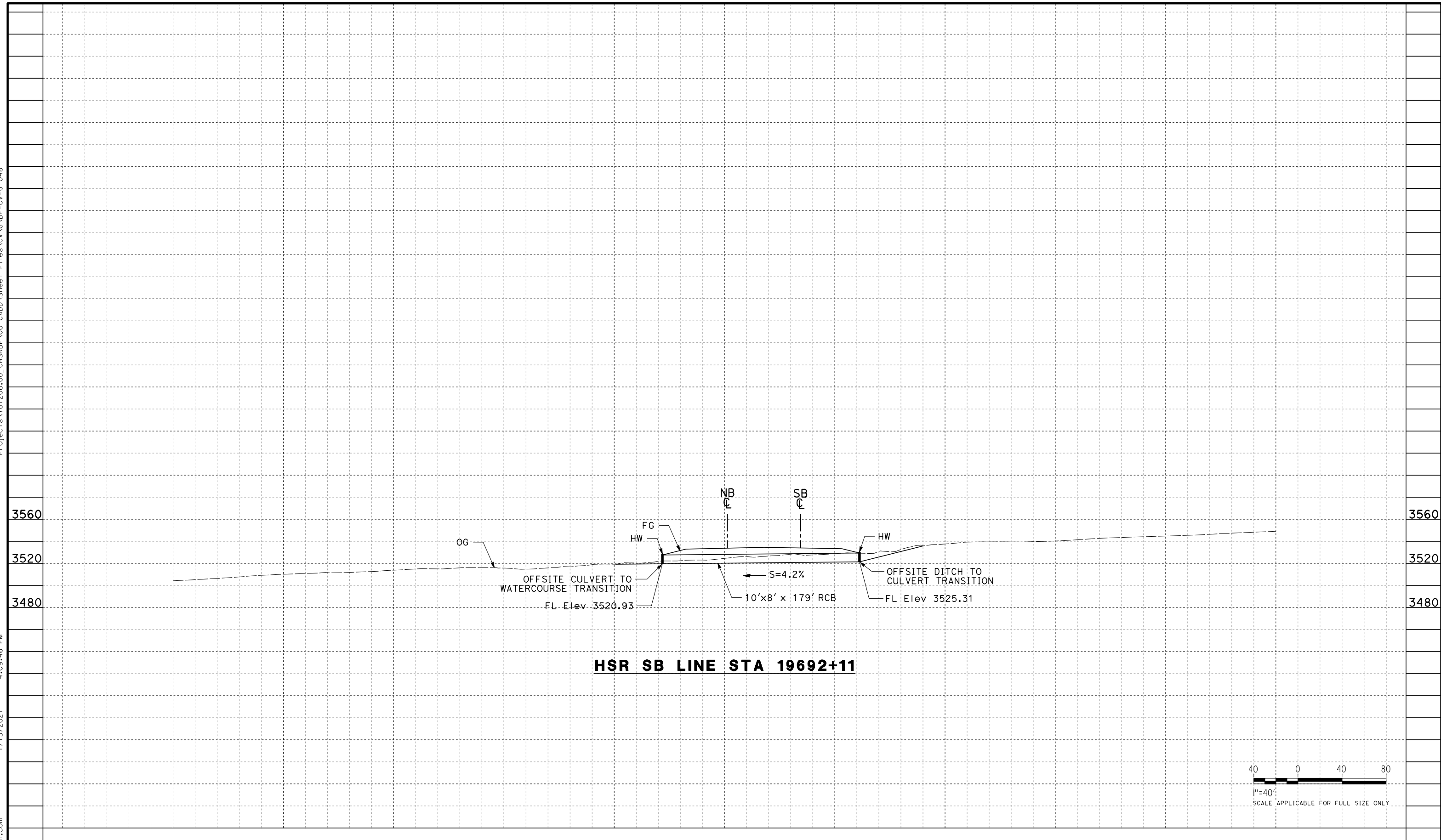
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1047
SCALE
AS SHOWN
SHEET NO.
73

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1048

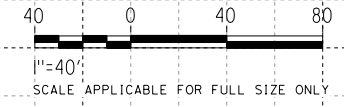
4:09:46 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19692+11



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19692

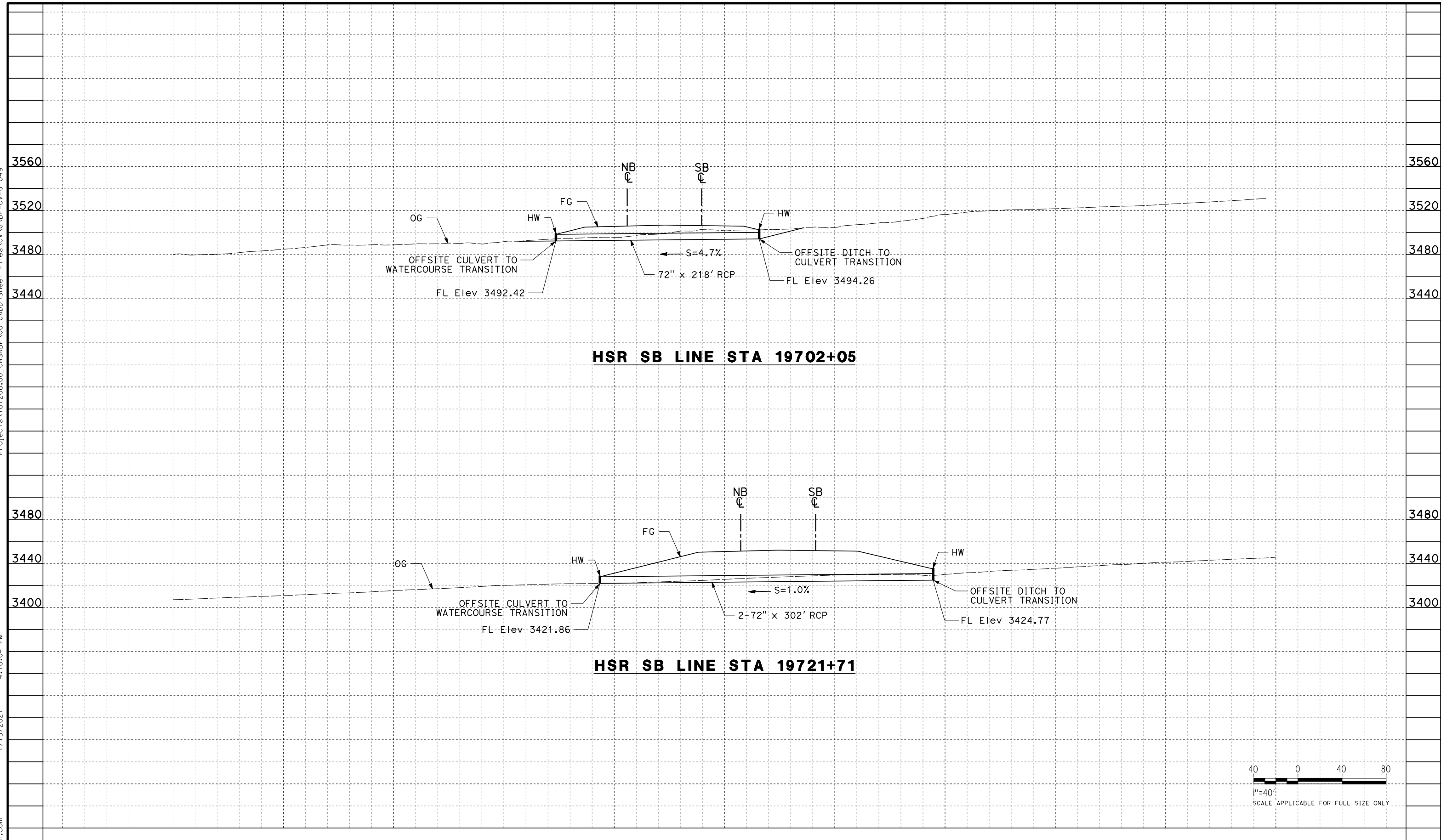
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1048
SCALE
AS SHOWN
SHEET NO.
74

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1049

4:10:04 PM

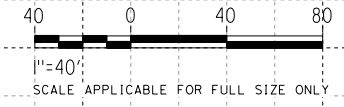
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19702+05

HSR SB LINE STA 19721+71



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19702, 19721

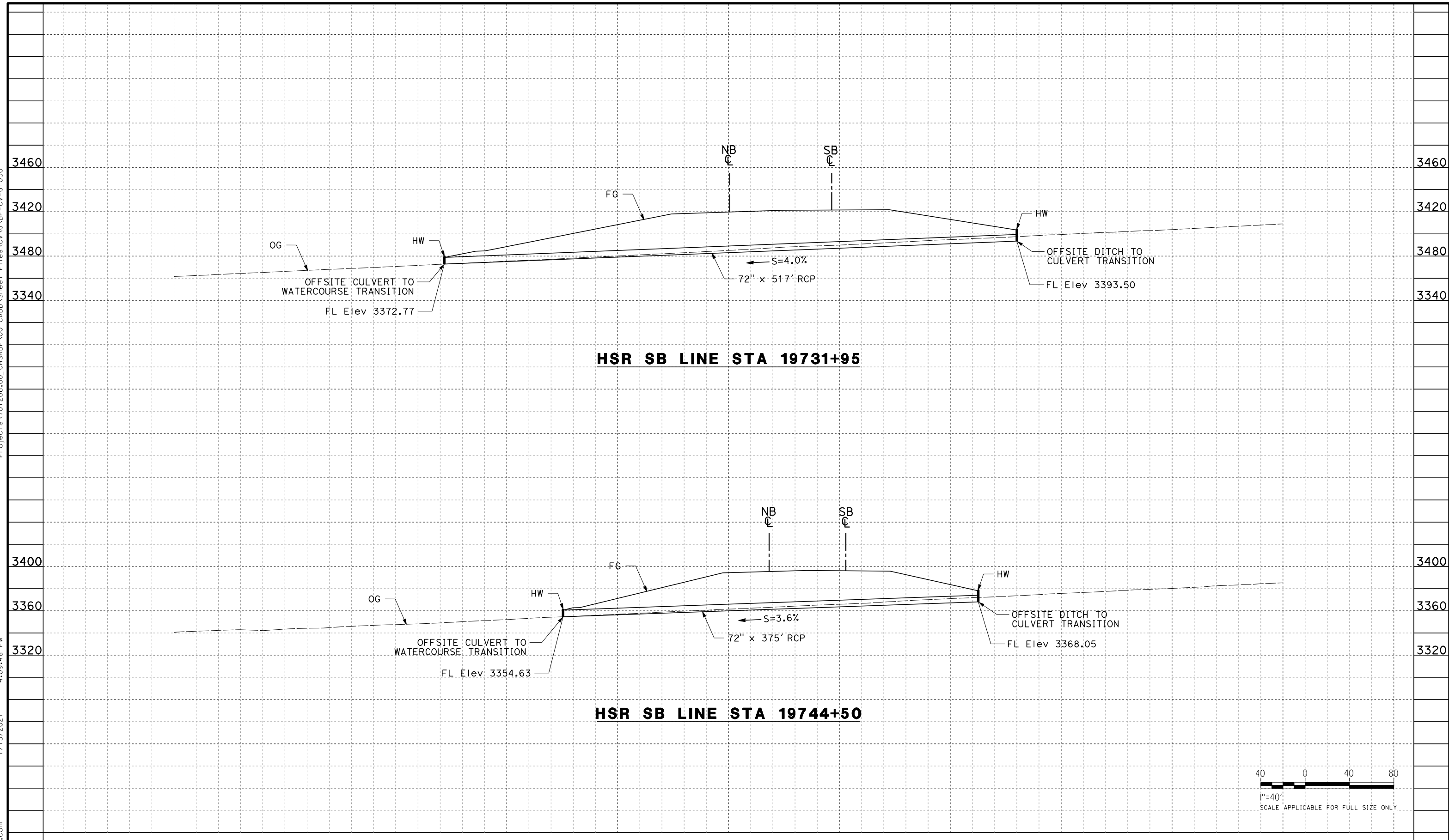
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1049
SCALE
AS SHOWN
SHEET NO.
75

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1050

4:09:48 PM

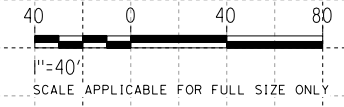
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19731+95

HSR SB LINE STA 19744+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19732, 19745

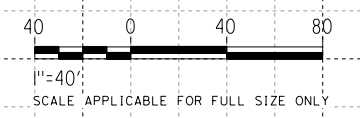
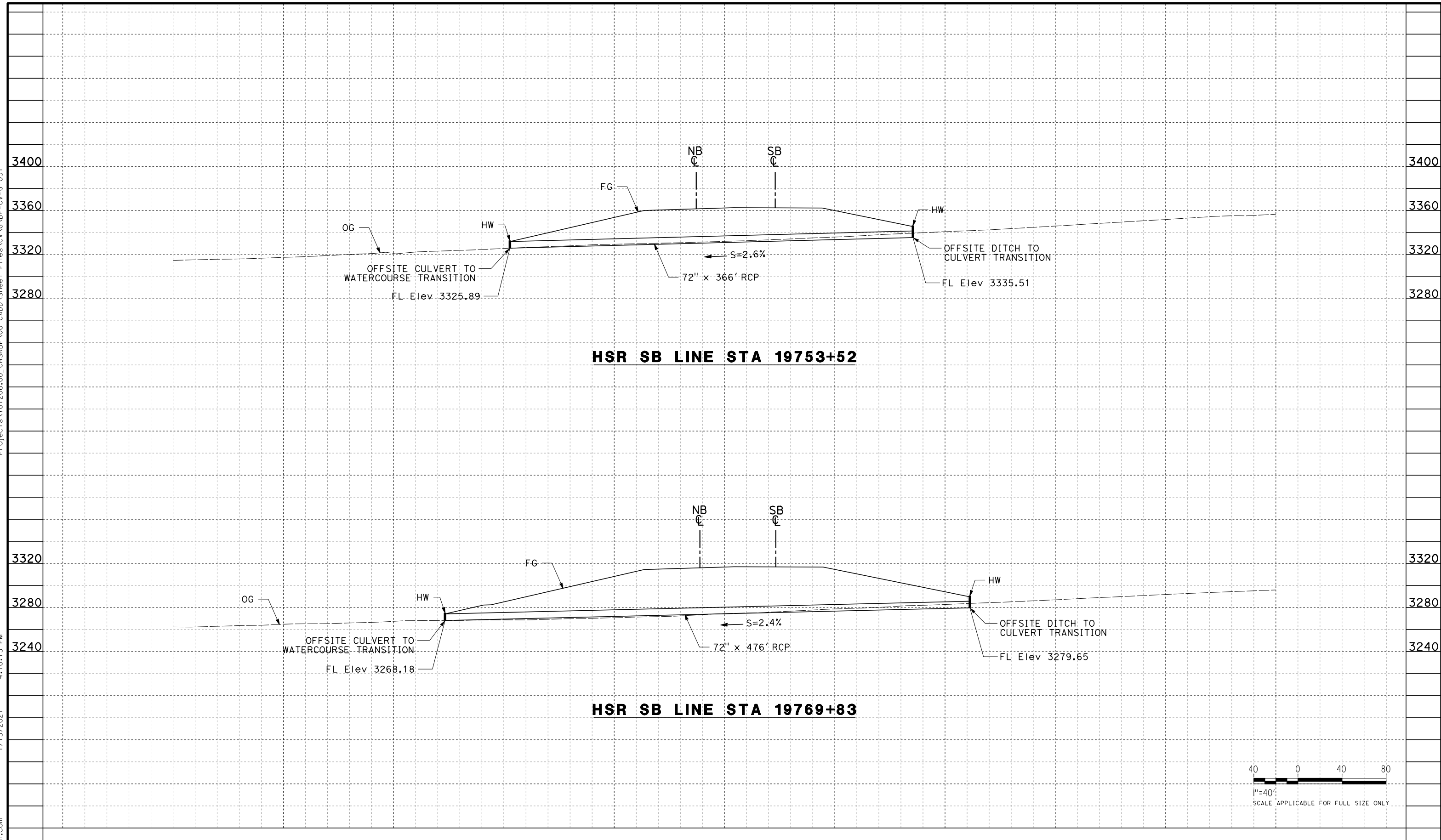
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1050
SCALE
AS SHOWN
SHEET NO.
76

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1051

4:10:13 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19753, 19769

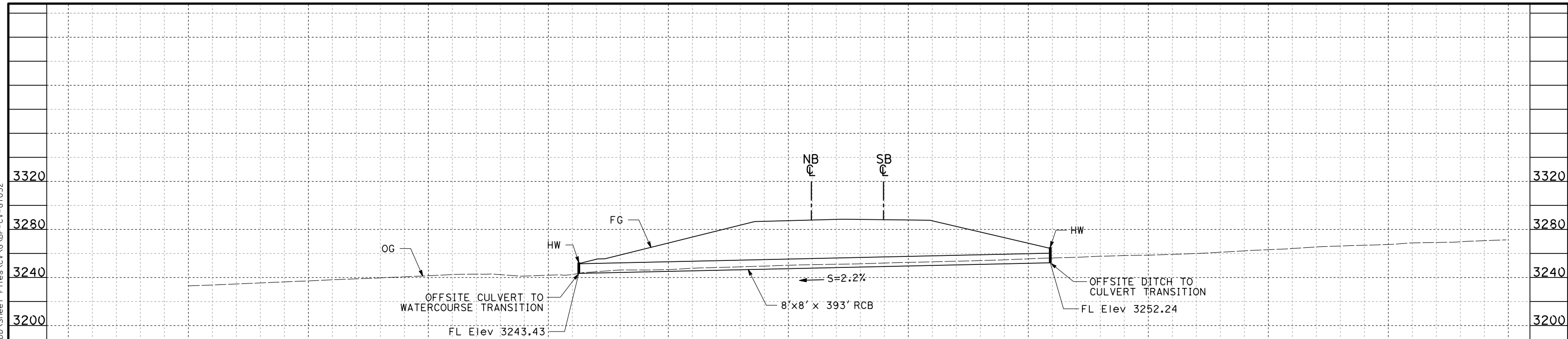
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1051
SCALE
AS SHOWN
SHEET NO.
77

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1052

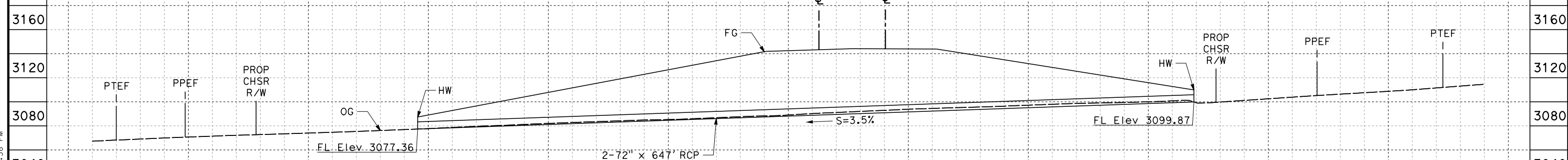
4:09:58 PM

1/13/2021

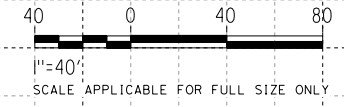
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19779+55



HSR SB LINE STA 19831+54



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19780, 19832

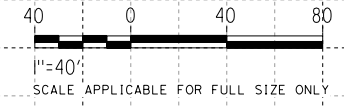
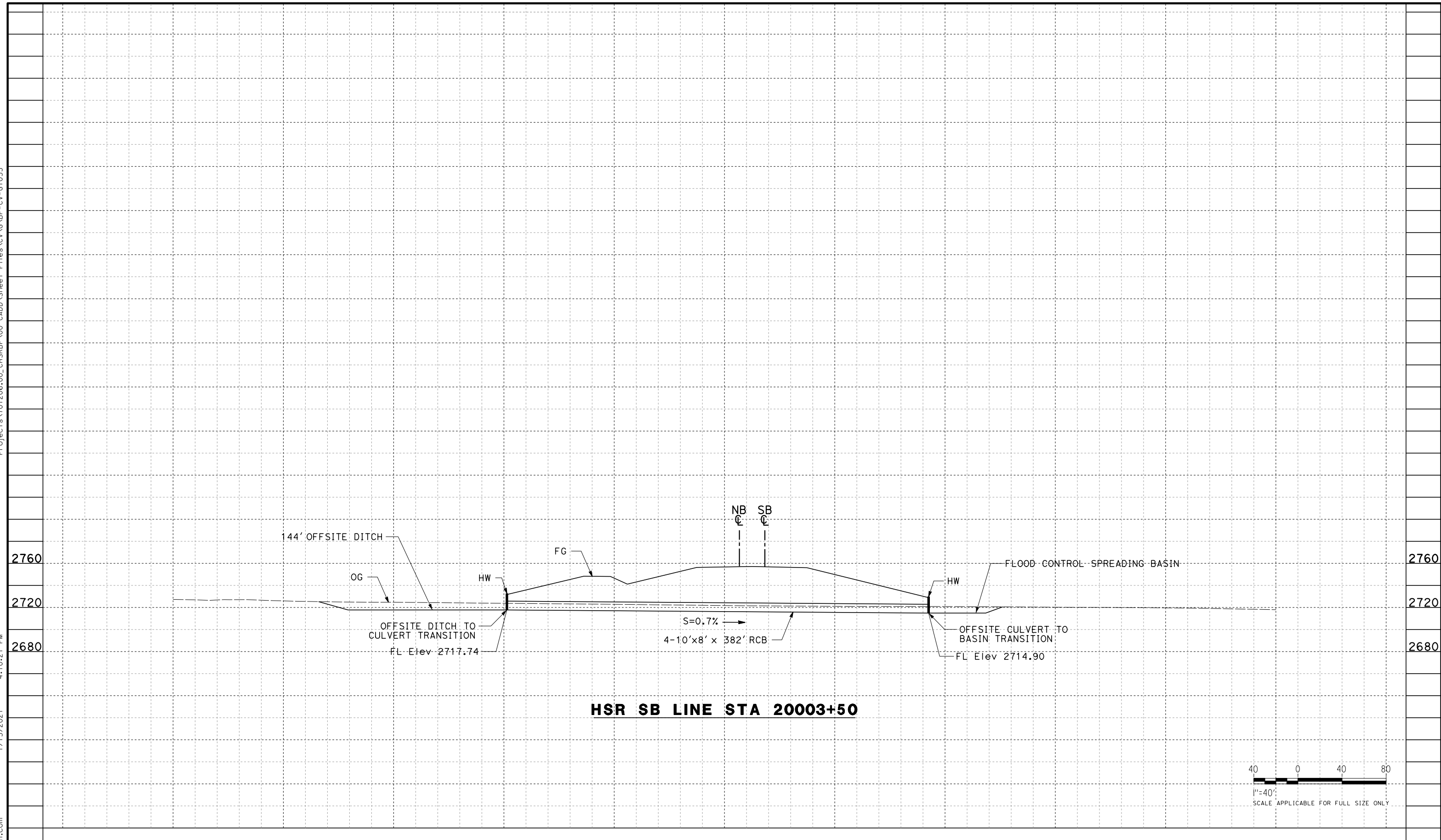
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1052
SCALE
AS SHOWN
SHEET NO.
78

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1053

4:10:21 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20004

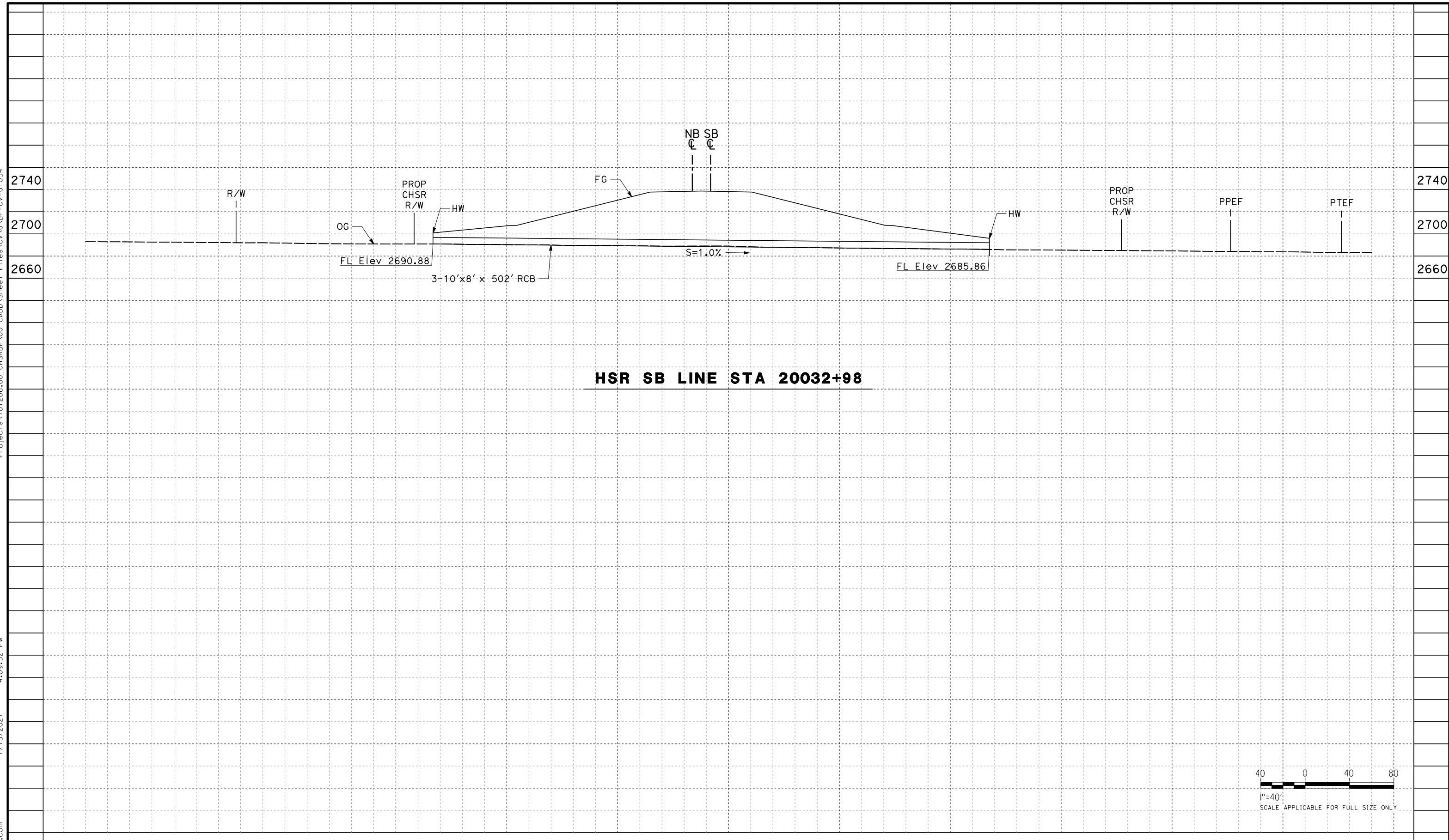
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1053
SCALE
AS SHOWN
SHEET NO.
79

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1054

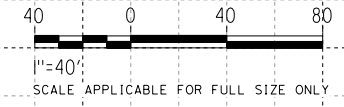
4:09:52 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20032+98



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20033

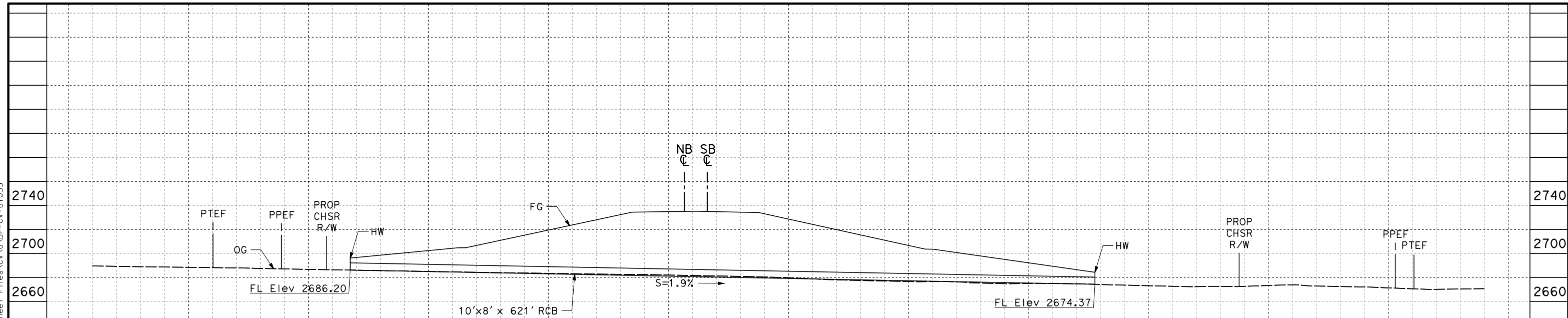
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1054
SCALE
AS SHOWN
SHEET NO.
80

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1055

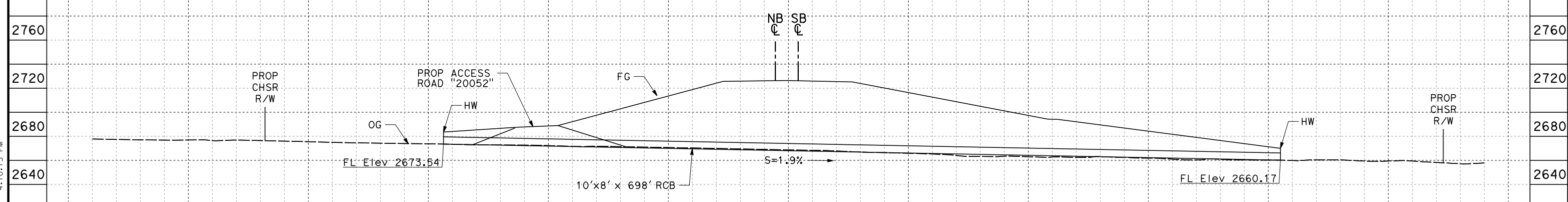
4:10:15 PM

1/13/2021

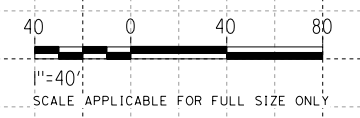
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20038+86



HSR SB LINE STA 20052+46



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20039, 20052

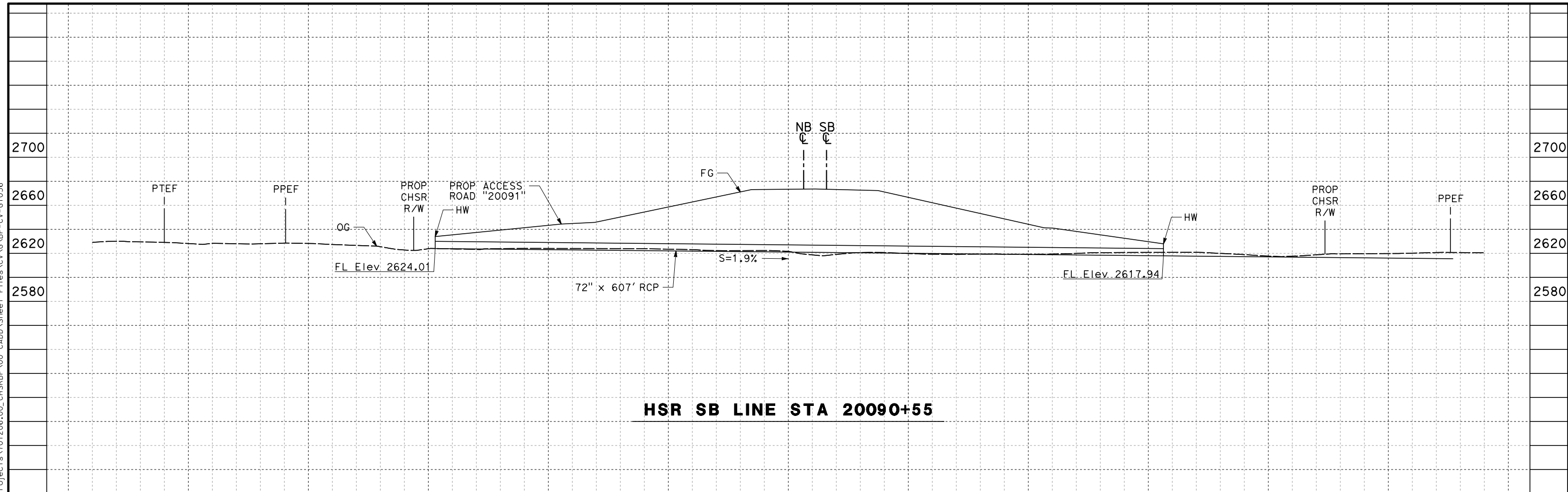
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1055
SCALE
AS SHOWN
SHEET NO.
81

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G-BP-CV-G1056

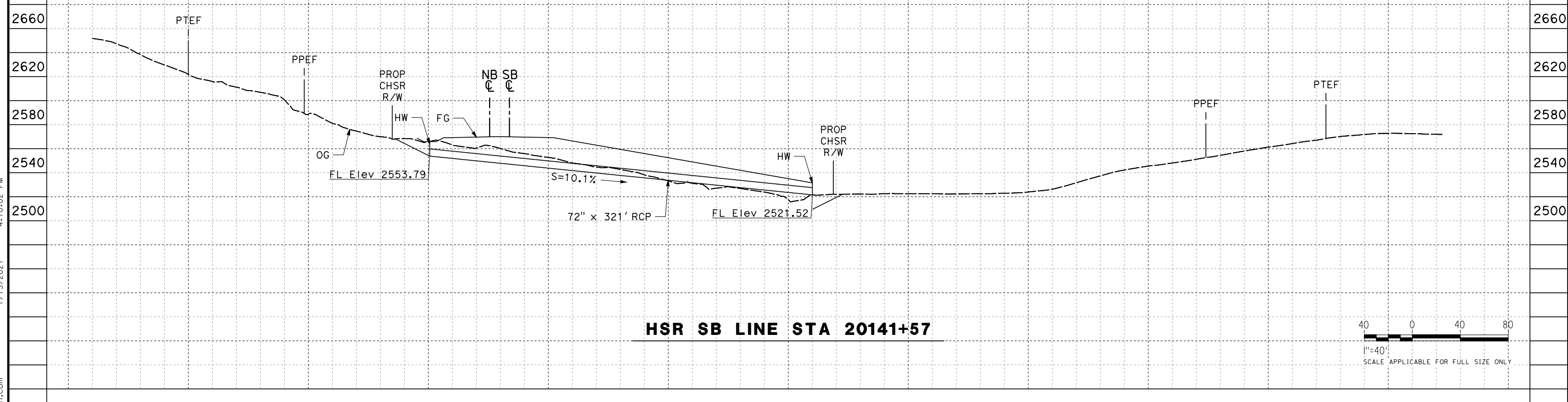
4:10:02 PM

1/13/2021

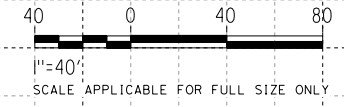
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20090+55



HSR SB LINE STA 20141+57



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20091, 20142

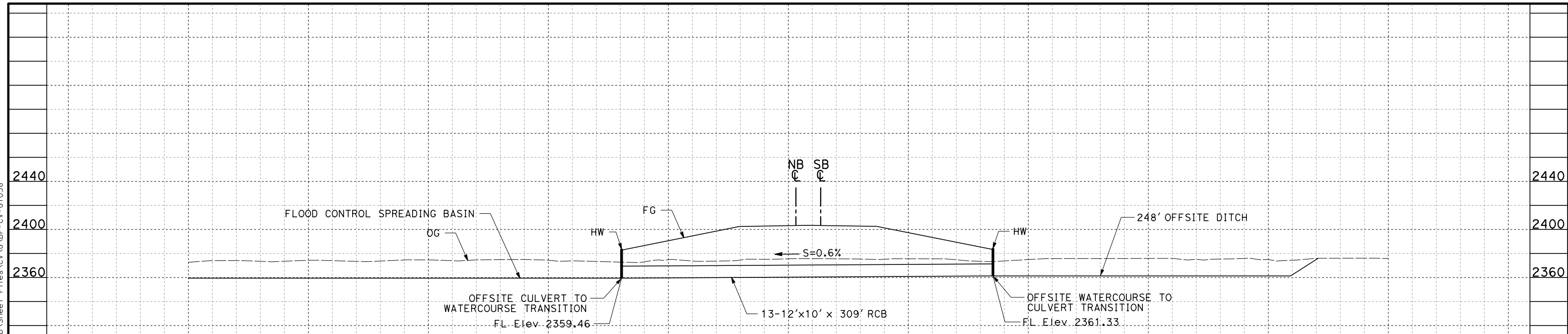
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1056
SCALE
AS SHOWN
SHEET NO.
82

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1058

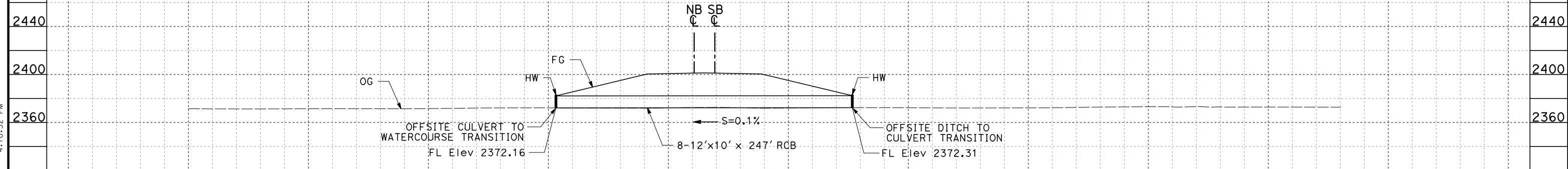
4:10:32 PM

1/13/2021

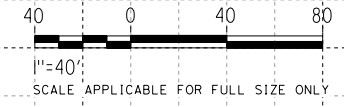
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20294+41



HSR SB LINE STA 20306+21



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20294, 20306

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1058

SCALE
AS SHOWN

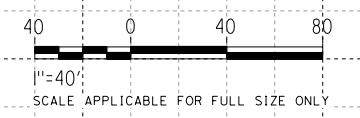
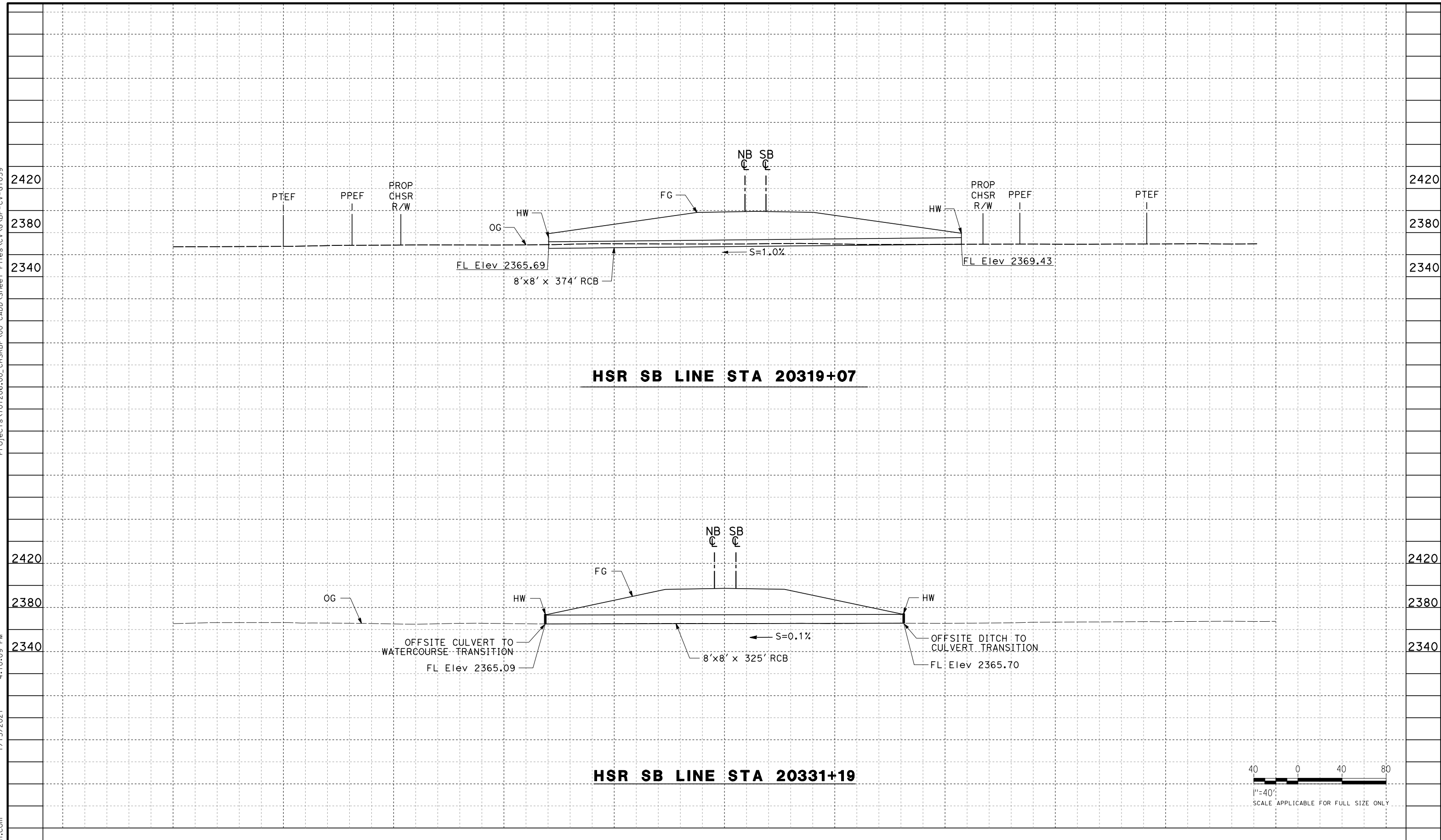
SHEET NO.
83

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1059

4:10:09 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20319, 20331

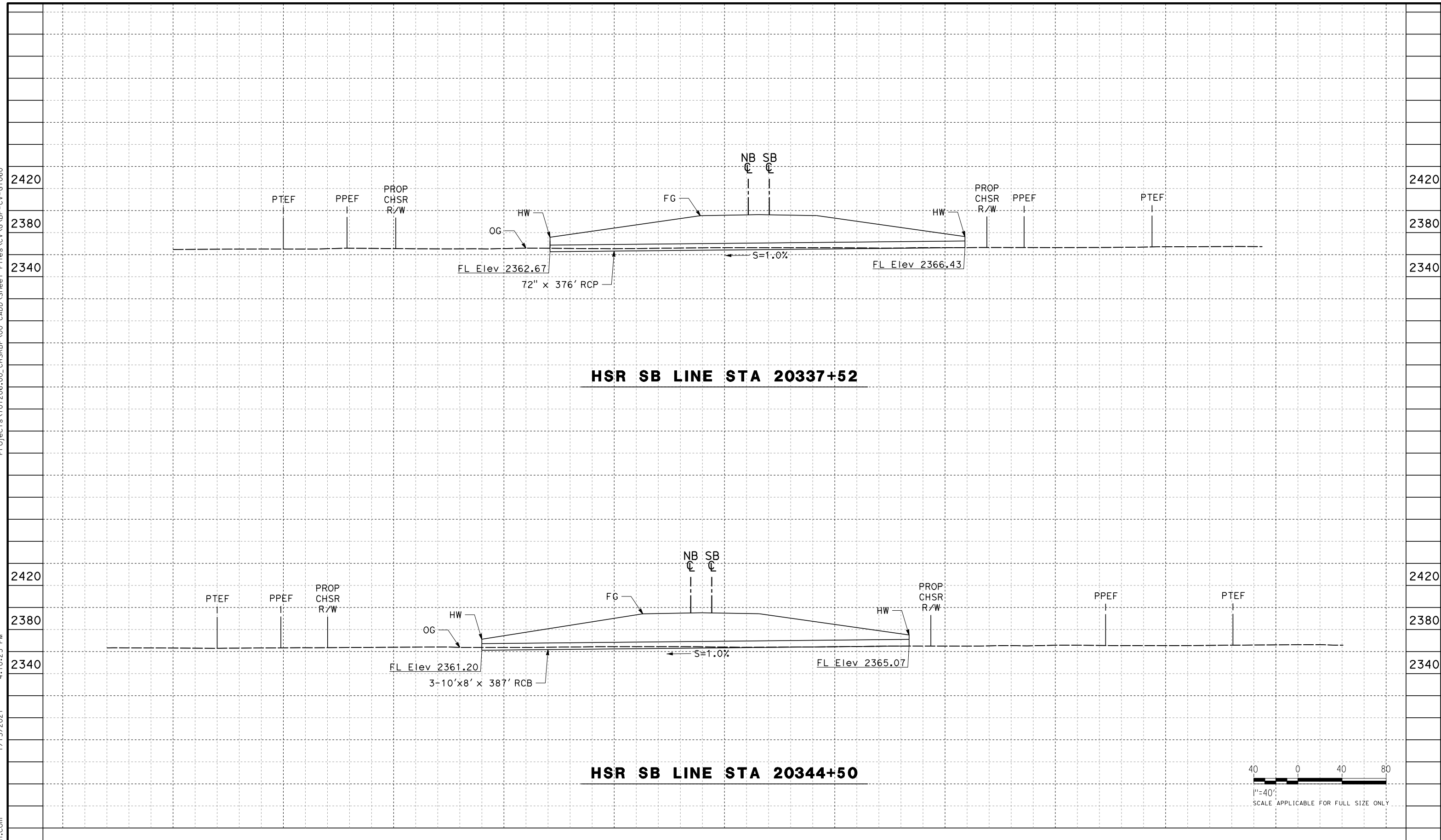
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1059
SCALE
AS SHOWN
SHEET NO.
84

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1060

4:10:25 PM

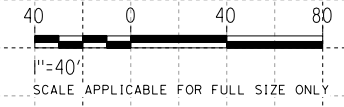
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20337+52

HSR SB LINE STA 20344+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20338, 20345

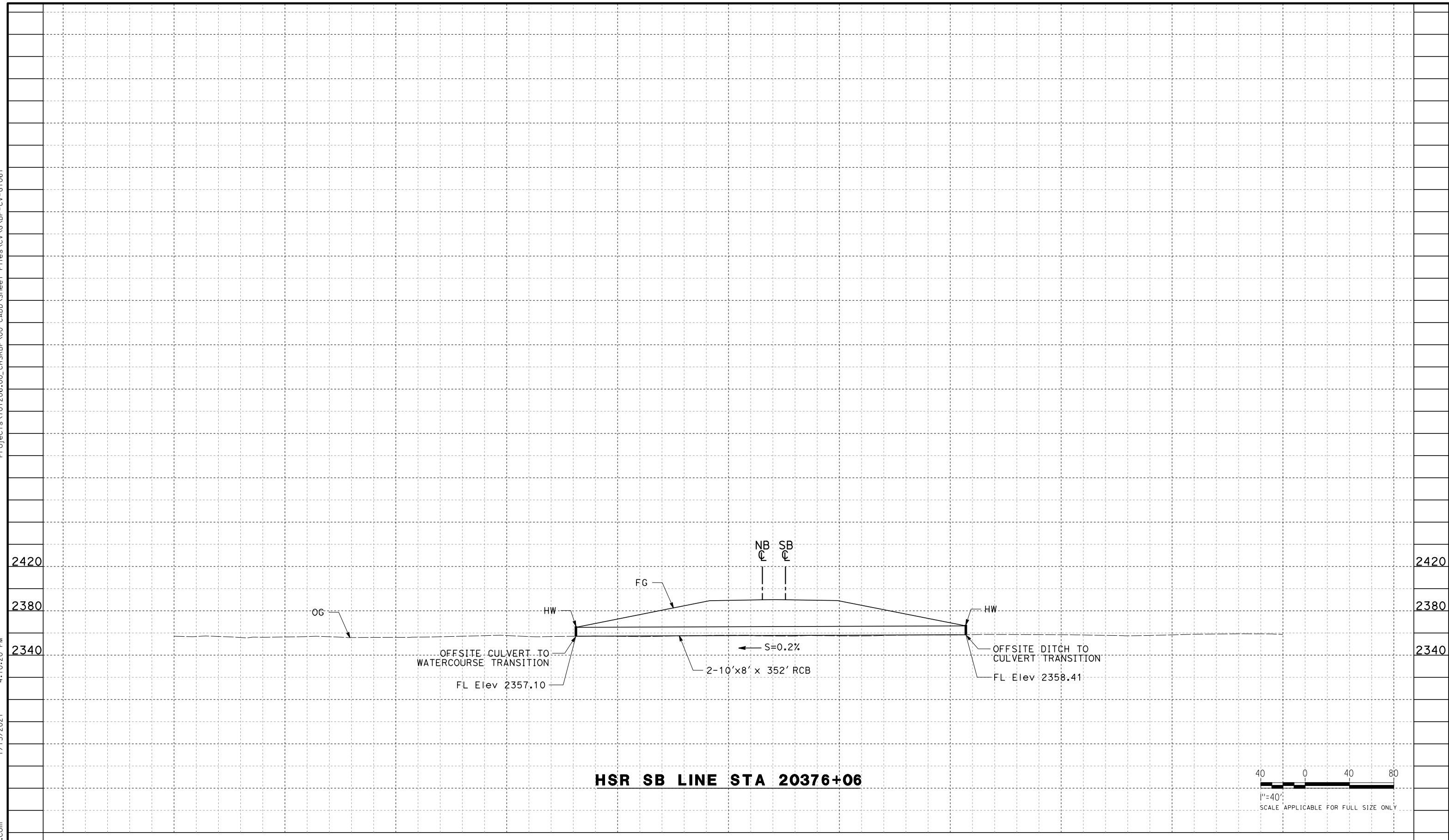
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1060
SCALE
AS SHOWN
SHEET NO.
85

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1061

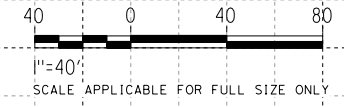
4:10:20 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20376+06



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20376

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1061

SCALE
AS SHOWN

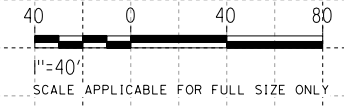
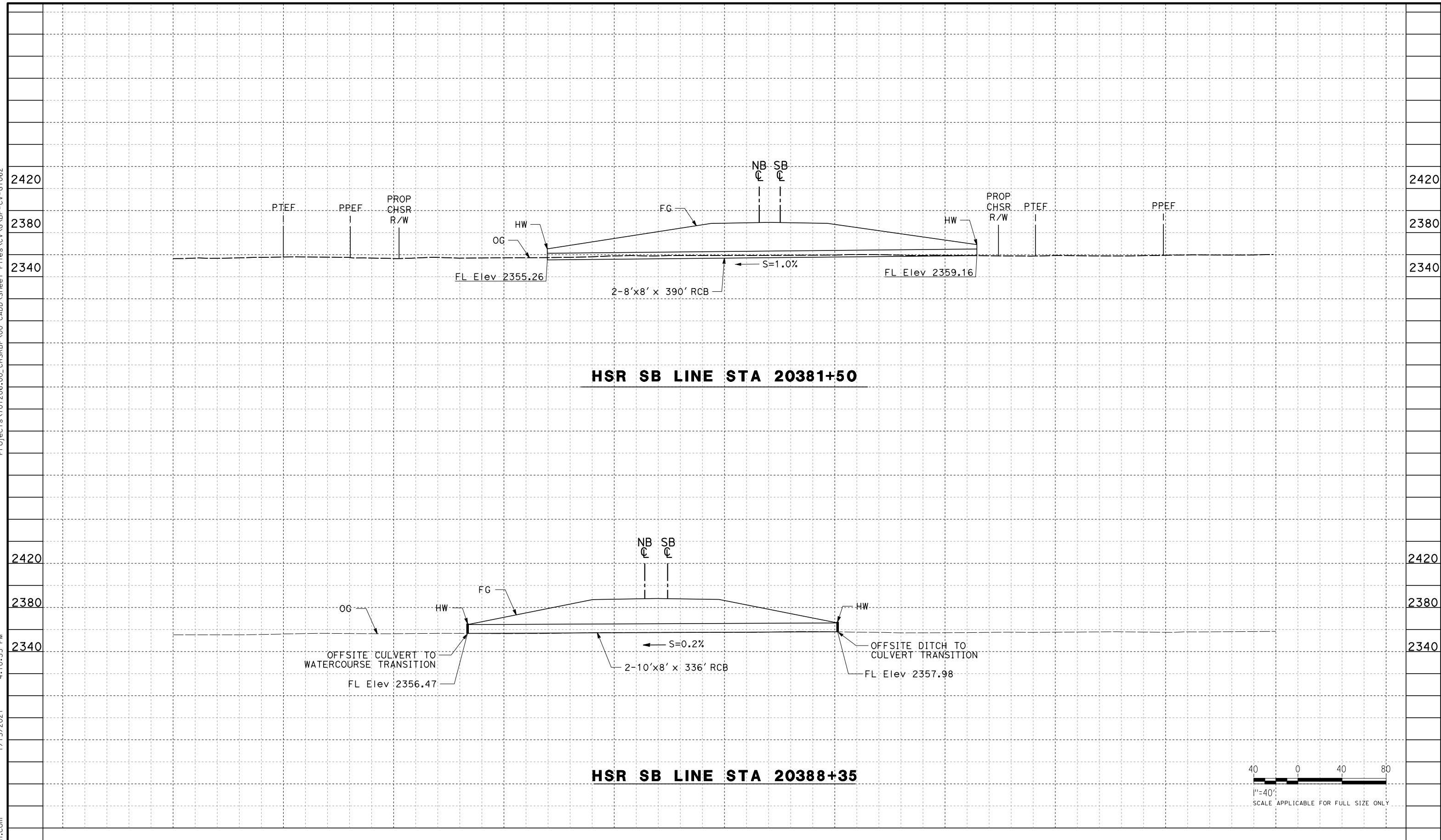
SHEET NO.
86

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1062

4:10:35 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20382, 20388

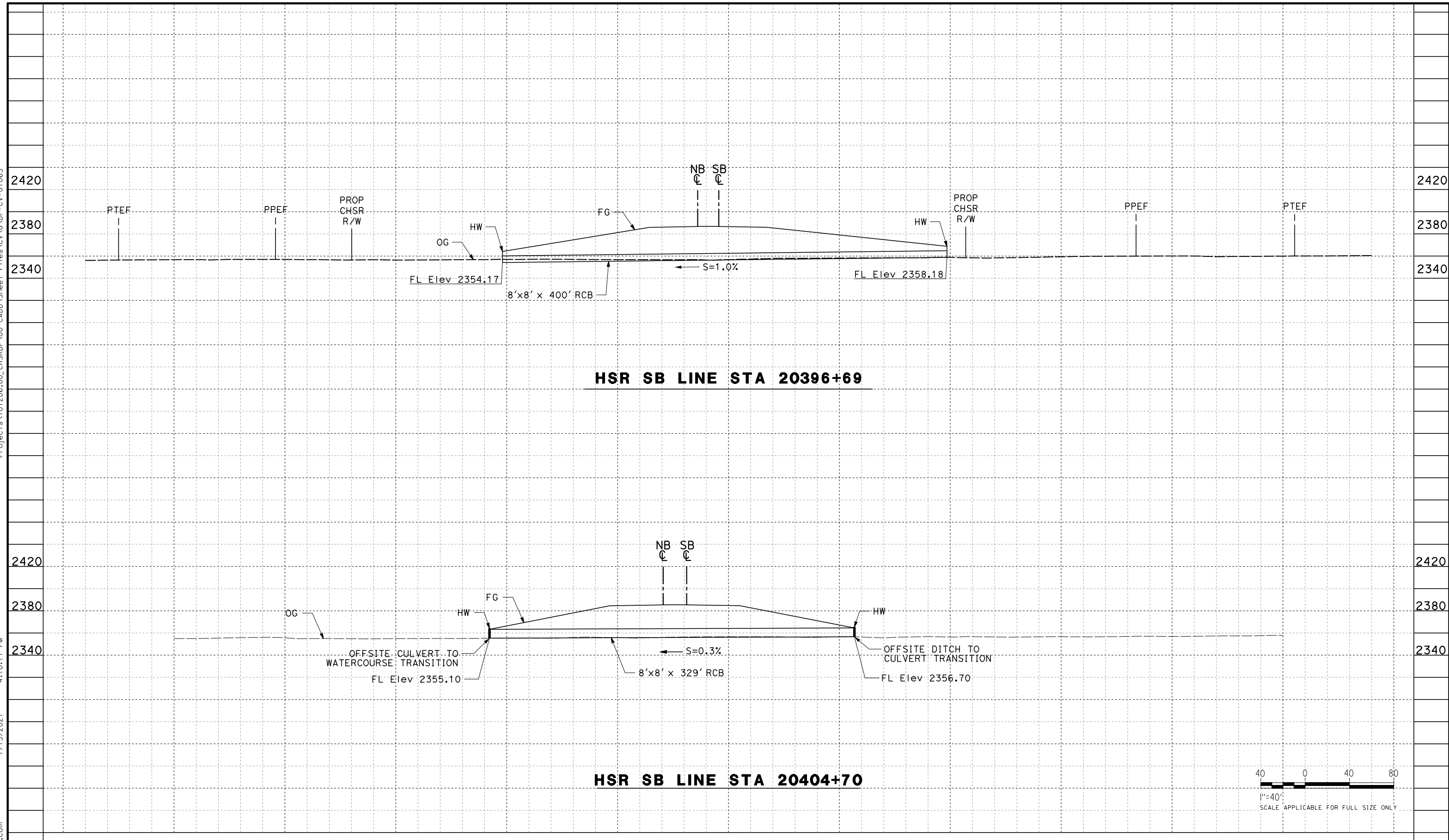
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1062
SCALE
AS SHOWN
SHEET NO.
87

Projects\701206.00_CHSRBP\00_CADD\Sheet\00_CADD\Sheet Files\CV\G\BP-CV-G1063

4:10:17 PM

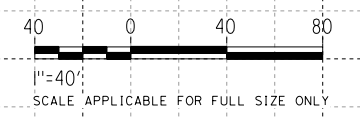
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20396+69

HSR SB LINE STA 20404+70



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20397, 20405

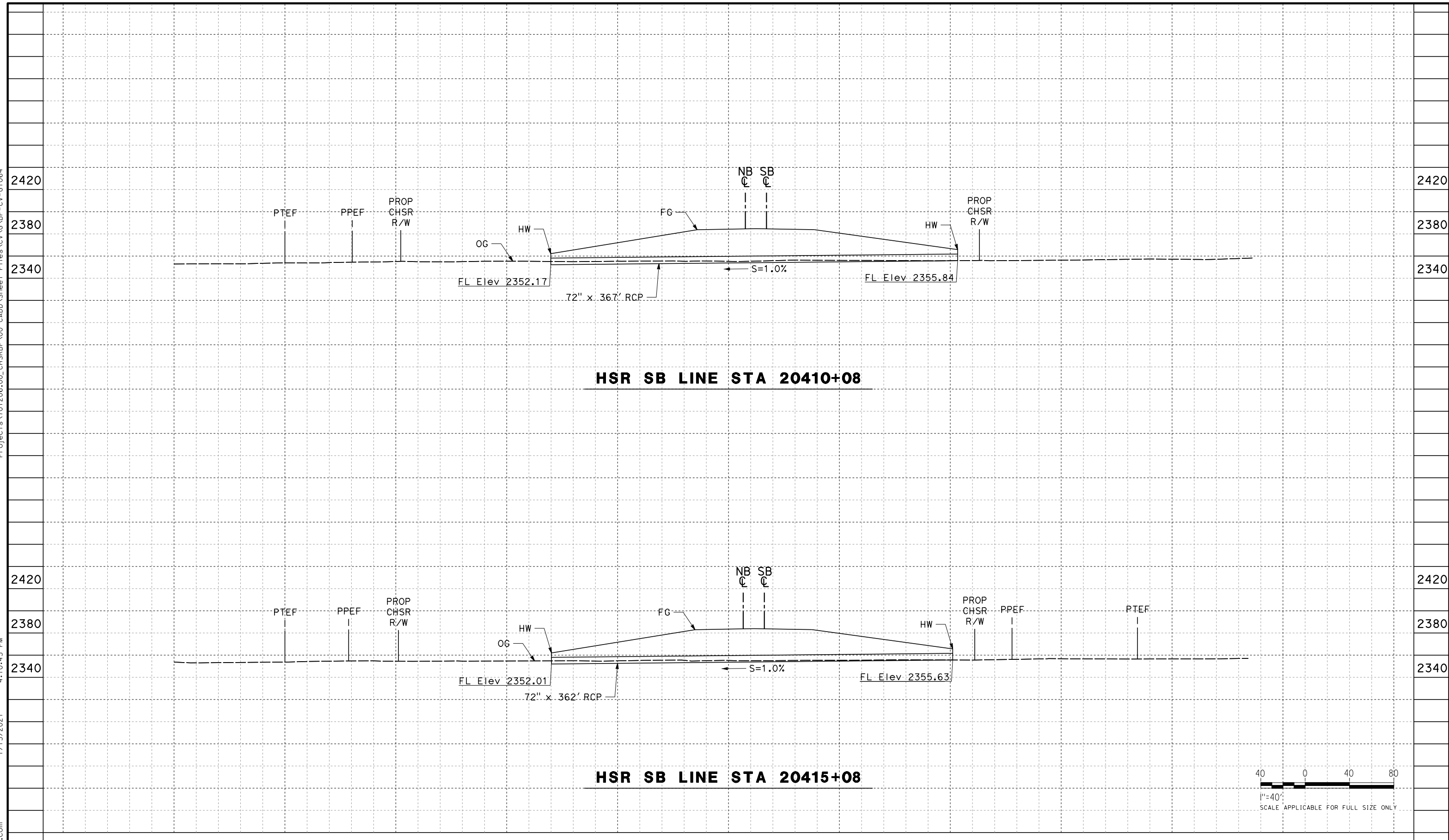
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1063
SCALE
AS SHOWN
SHEET NO.
88

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1064

4:10:43 PM

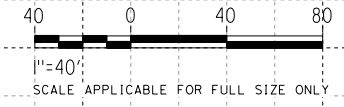
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20410+08

HSR SB LINE STA 20415+08



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20410, 20415

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1064

SCALE
AS SHOWN

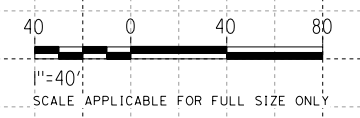
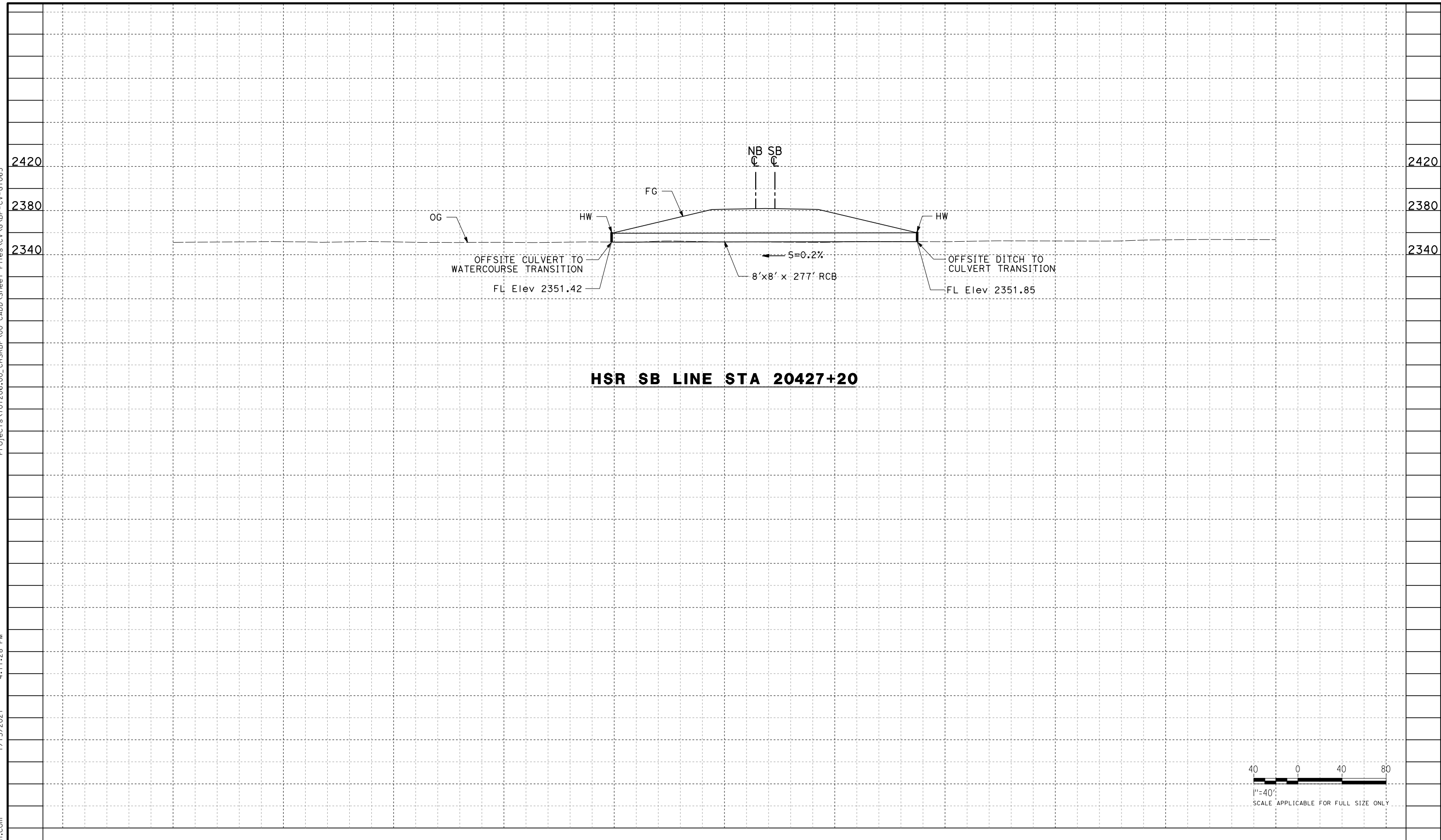
SHEET NO.
89

Projects\701206.00_CHSRBP\00_CADD\Sheet\00_CADD\Sheet Files\CV\G\BP-CV-G1065

4:11:28 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20427

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1065

SCALE
AS SHOWN

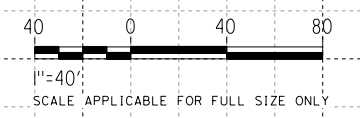
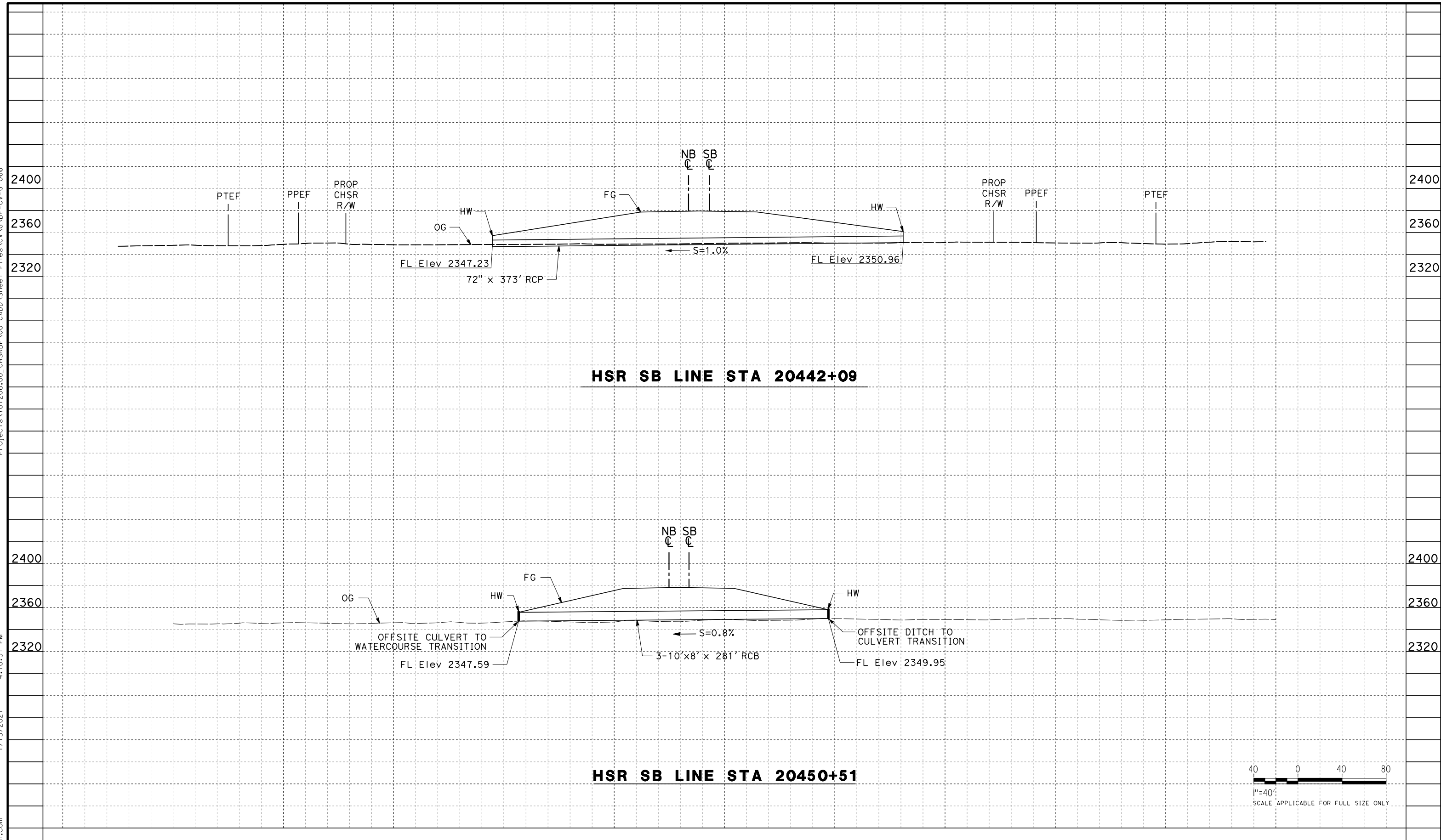
SHEET NO.
90

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1066

4:10:31 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20442, 20451

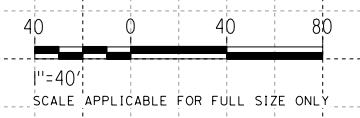
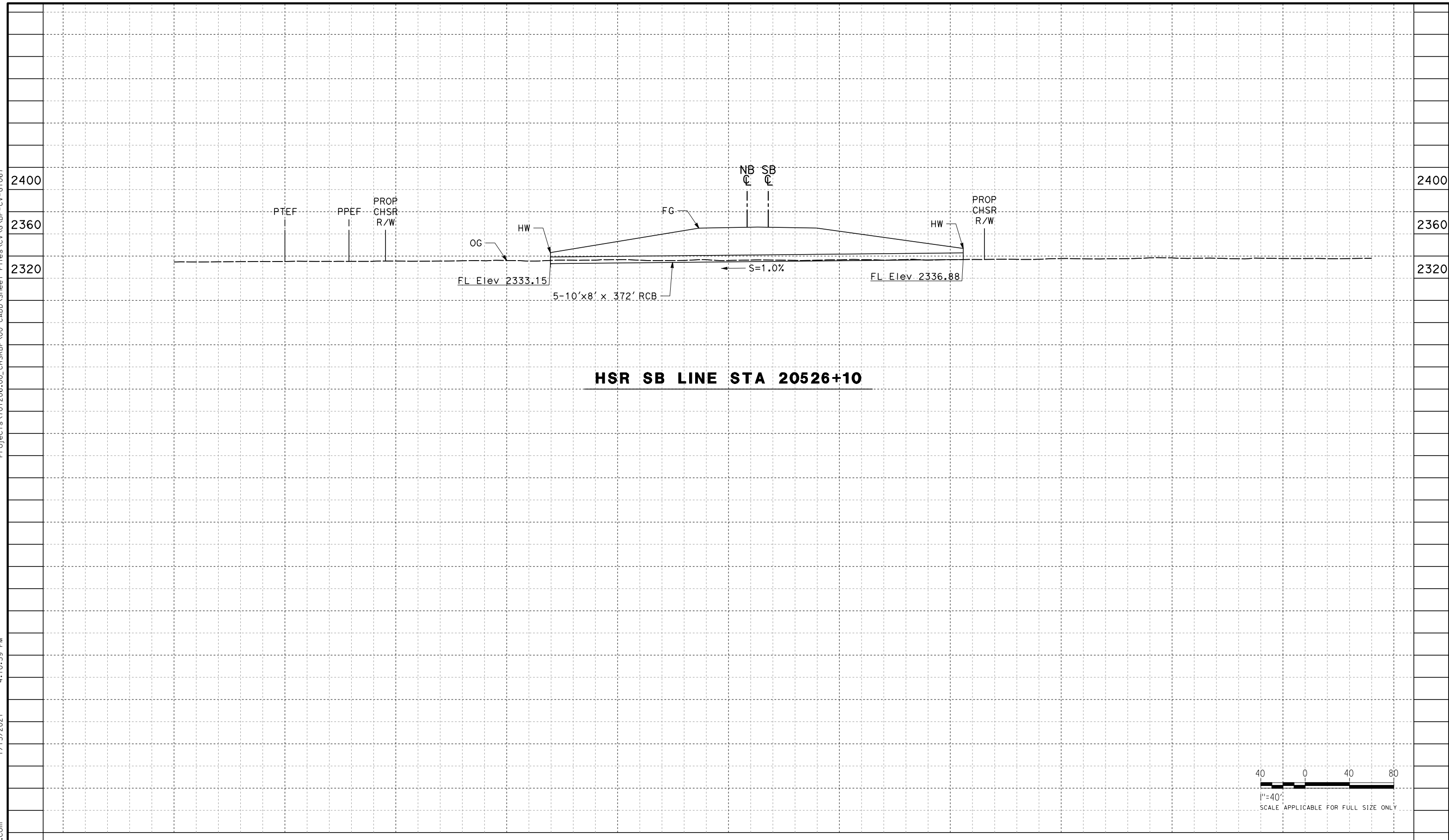
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1066
SCALE
AS SHOWN
SHEET NO.
91

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1067

4:10:39 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20526

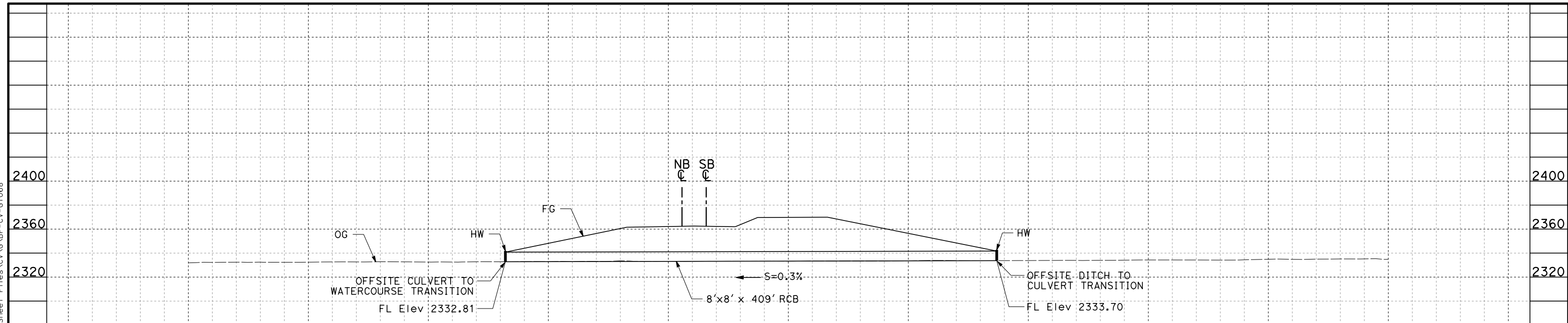
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1067
SCALE
AS SHOWN
SHEET NO.
92

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1068

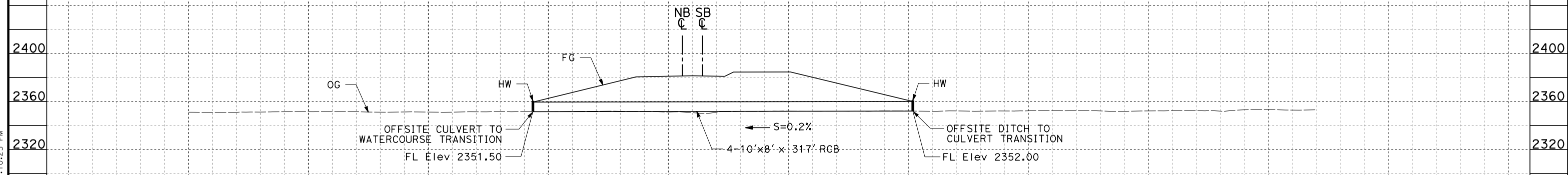
4:10:23 PM

1/13/2021

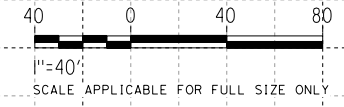
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20549+22



HSR SB LINE STA 20554+97



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20549, 20555

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1068

SCALE
AS SHOWN

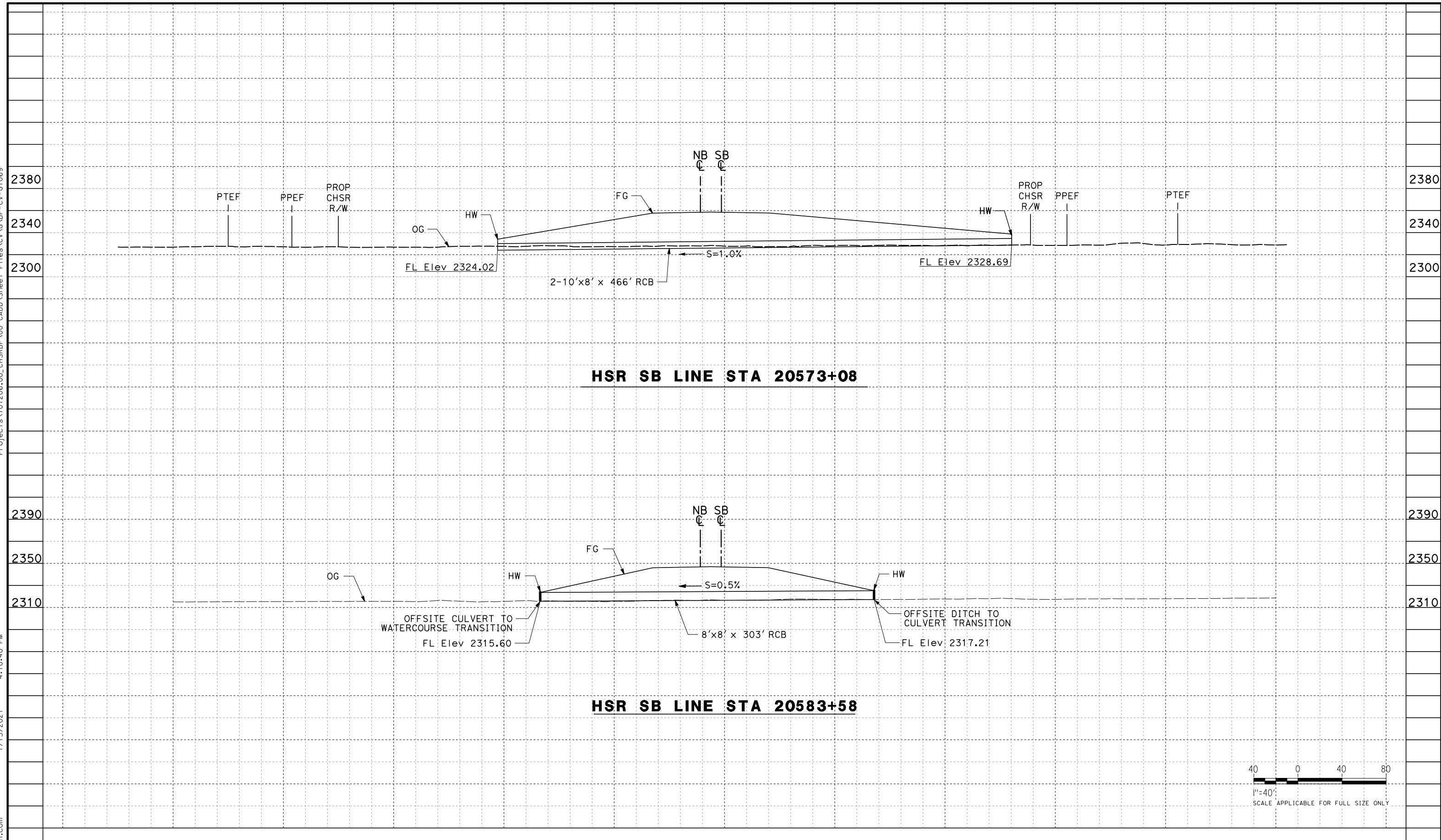
SHEET NO.
93

Projects\701206_00_CHSRBP\00_CADD\Sheet\00_CADD\Sheet Files\CV\G\BP-CV-G1069

4:10:40 PM

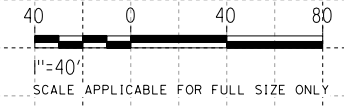
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20573+08

HSR SB LINE STA 20583+58



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20573, 20584

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1069

SCALE
AS SHOWN

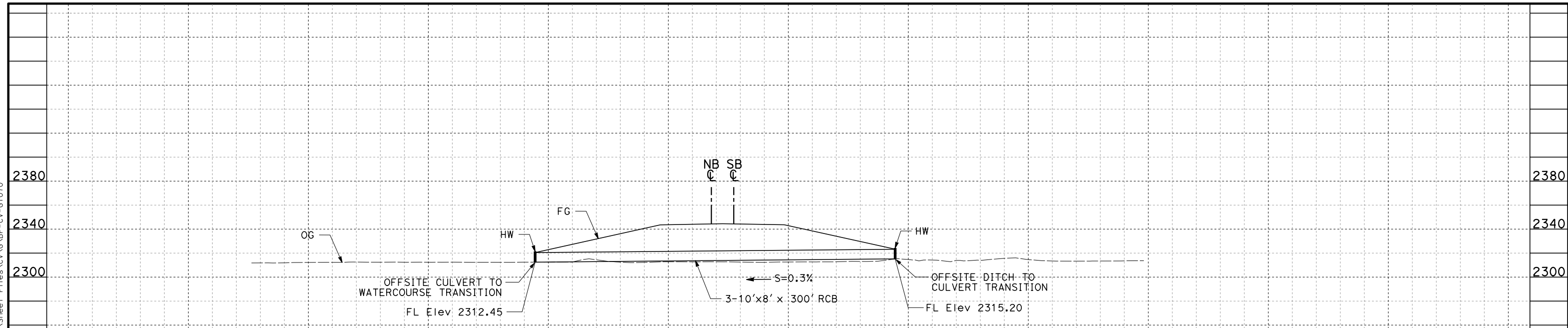
SHEET NO.
94

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1070

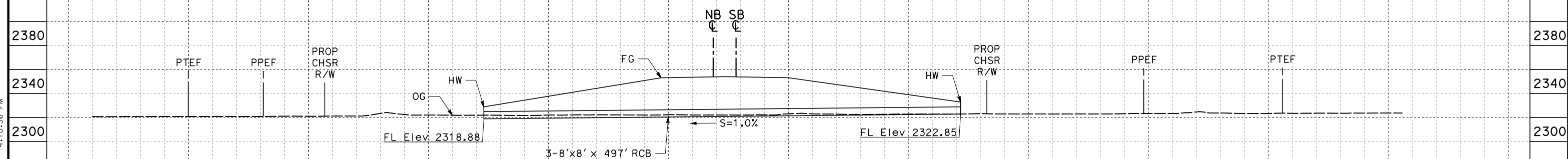
4:10:36 PM

1/13/2021

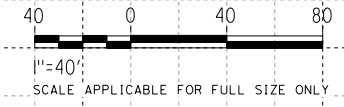
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20599+03



HSR SB LINE STA 20602+03



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20599, 20602

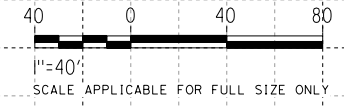
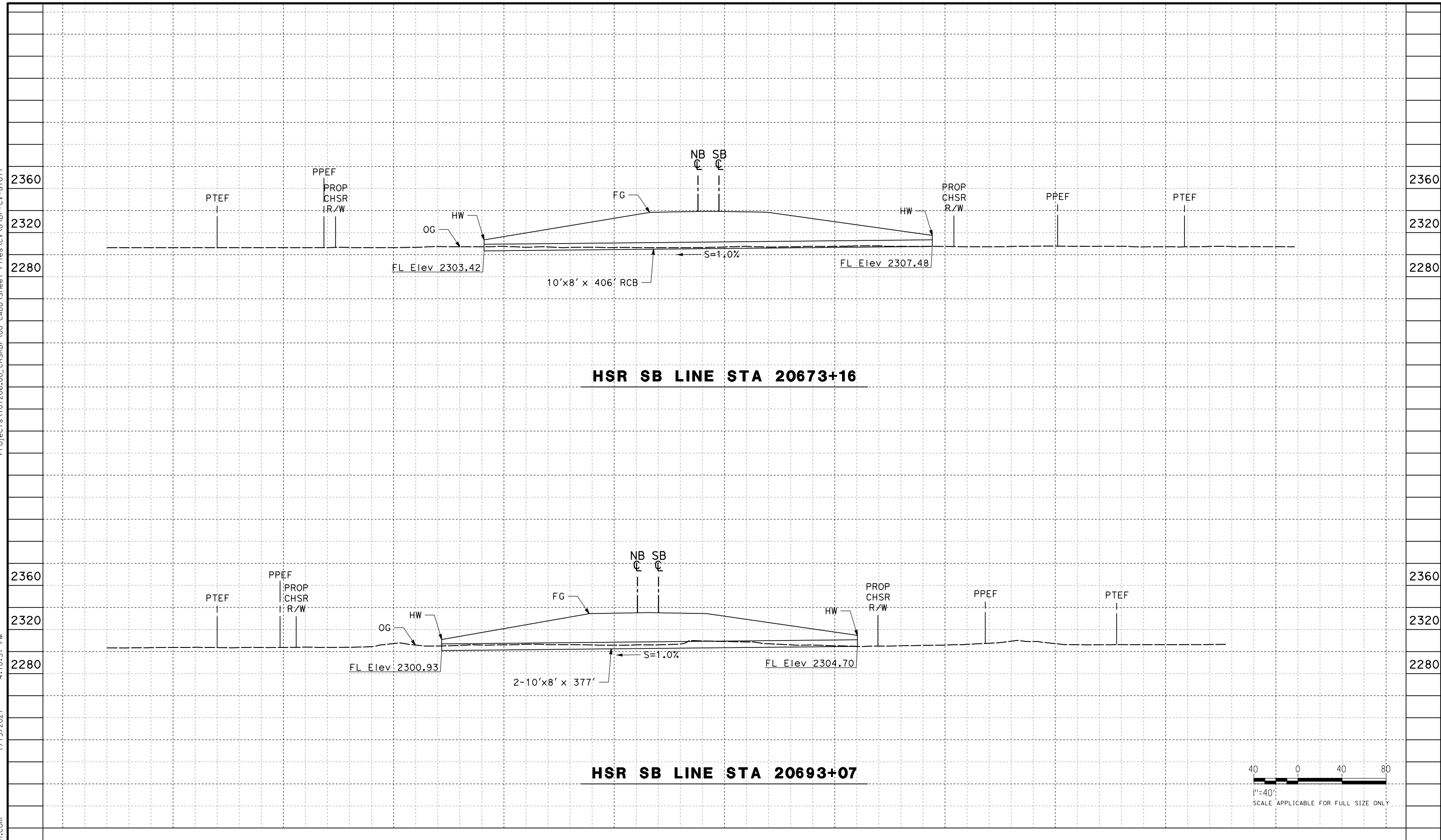
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1070
SCALE
AS SHOWN
SHEET NO.
95

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1071

4:10:51 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20673, 20693

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1071

SCALE
AS SHOWN

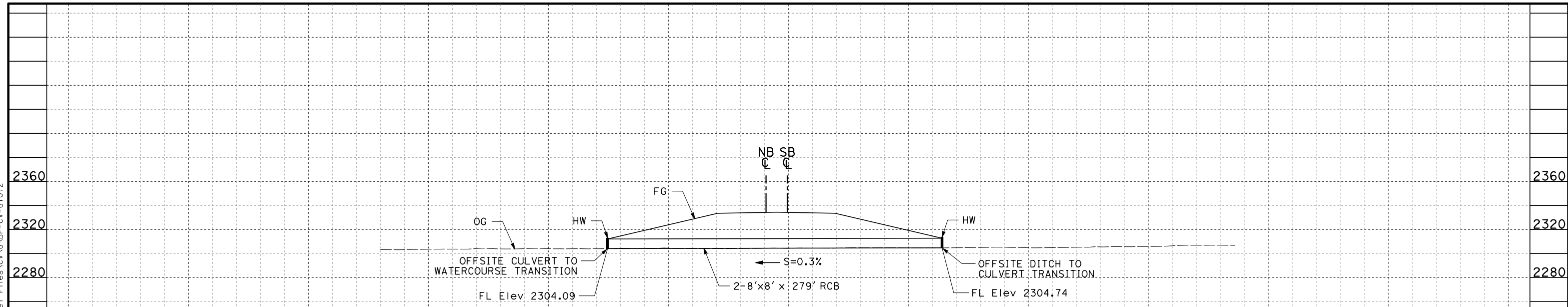
SHEET NO.
96

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1072

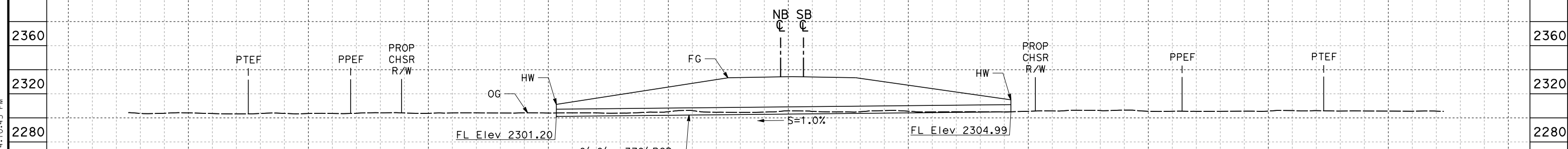
4:10:45 PM

1/13/2021

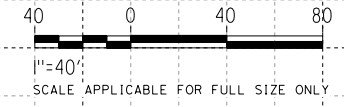
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 20715+82



HSR SB LINE STA 20719+56



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20716, 20720

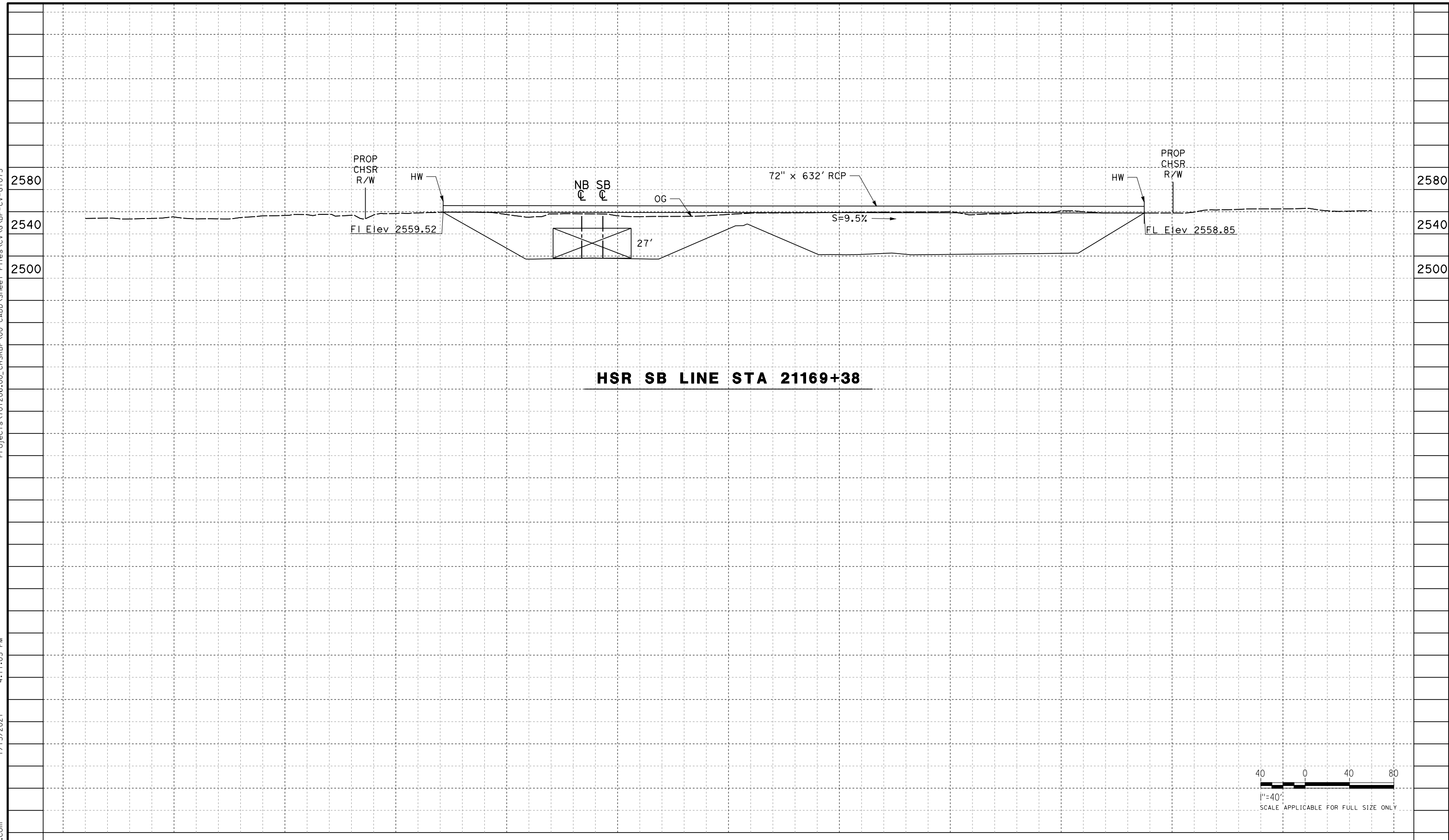
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1072
SCALE
AS SHOWN
SHEET NO.
97

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1073

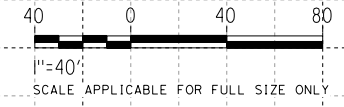
4:11:03 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 21169+38



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 21169

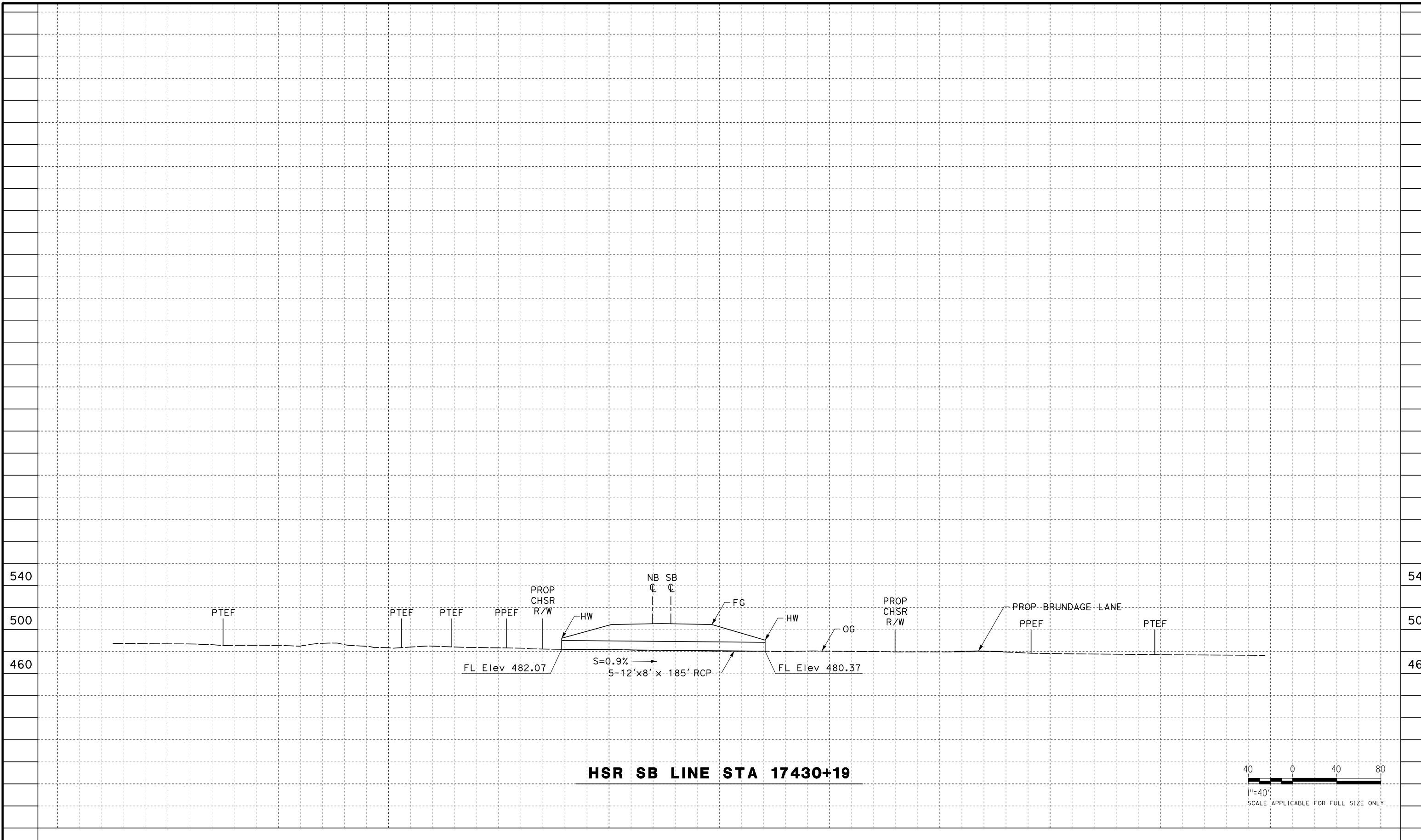
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1073
SCALE
AS SHOWN
SHEET NO.
98

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1101

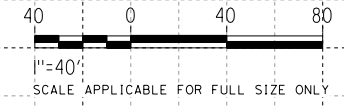
4:11:57 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17430+19



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17430

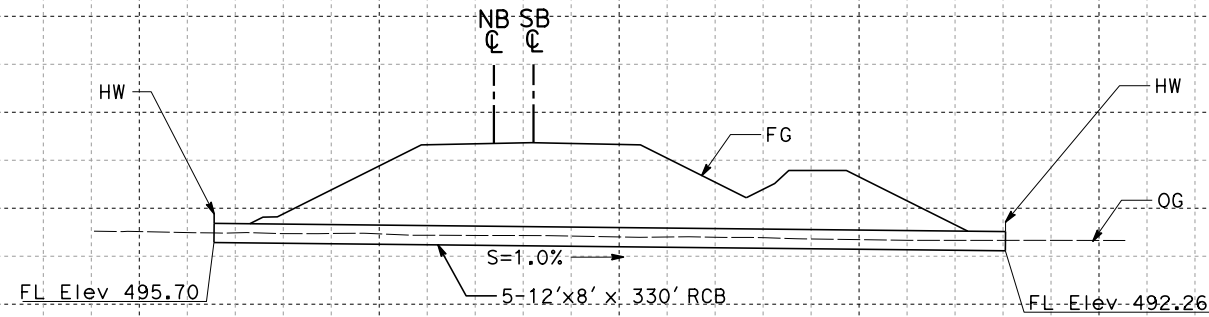
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1101
SCALE
AS SHOWN
SHEET NO.
99

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1101A

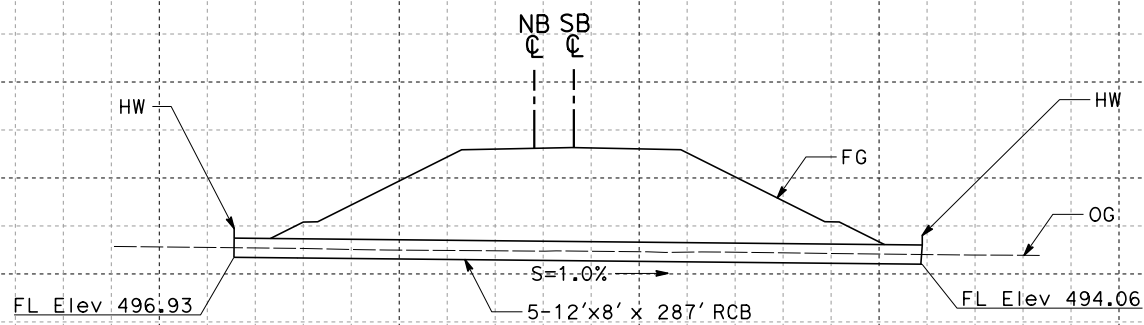
4:10:46 PM

1/13/2021

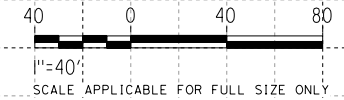
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17457+85



HSR SB LINE STA 17463+32

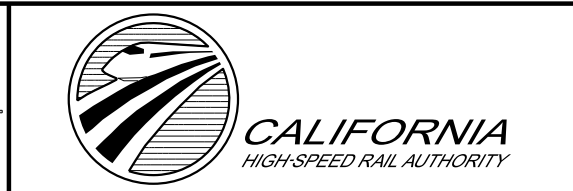


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17458, 17463

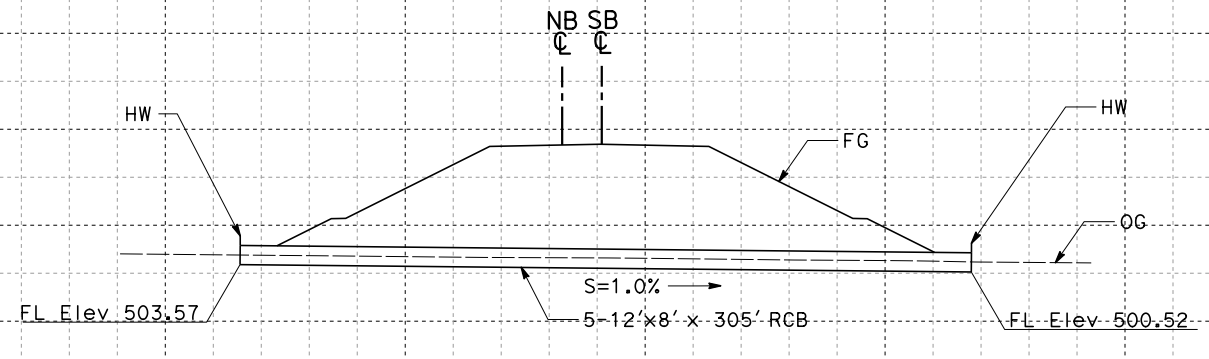
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1101A
SCALE
AS SHOWN
SHEET NO.
100

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1102

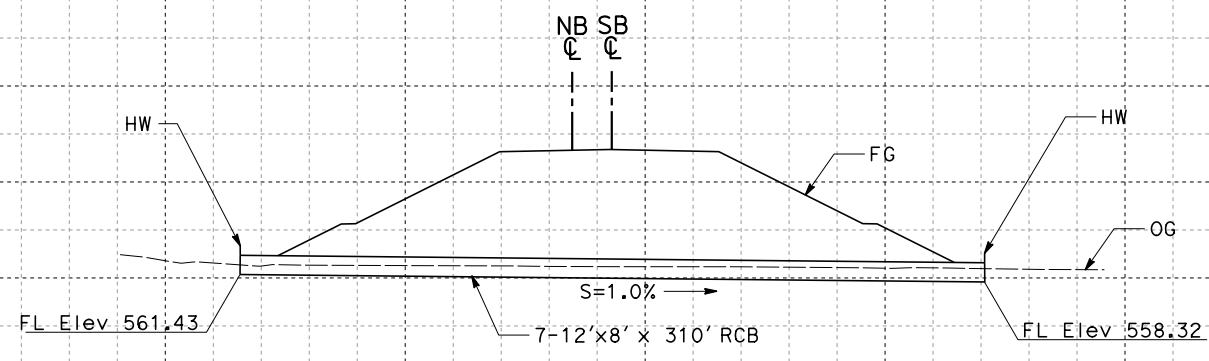
4:10:51 PM

1/13/2021

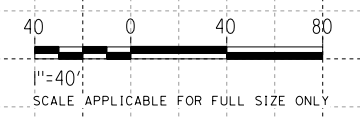
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17475+94



HSR SB LINE STA 17547+58



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17476, 17548

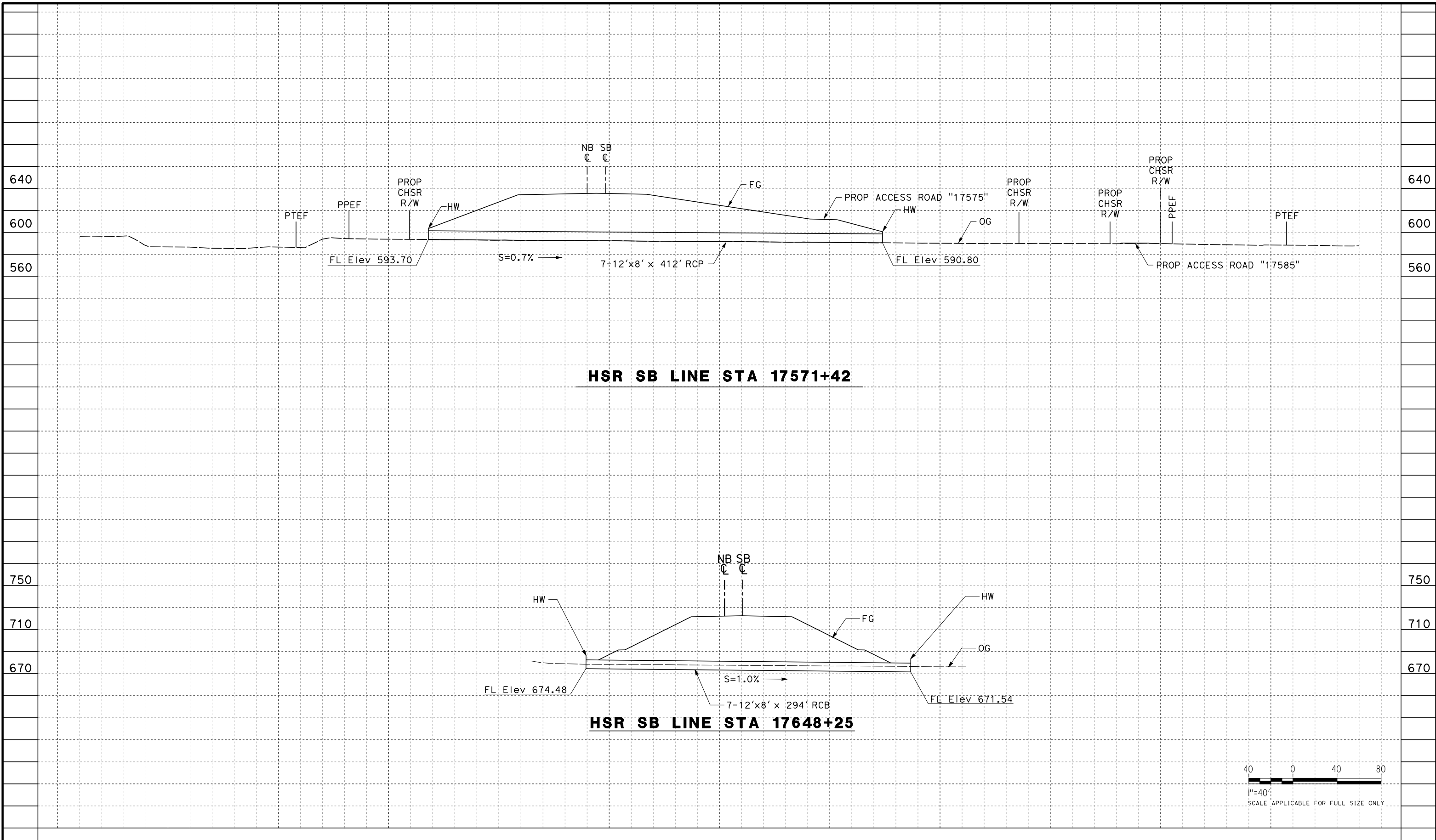
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1102
SCALE
AS SHOWN
SHEET NO.
101

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1103

4:10:58 PM

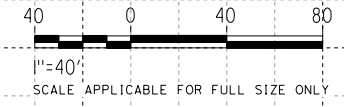
1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17571+42

HSR SB LINE STA 17648+25



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17571, 17648

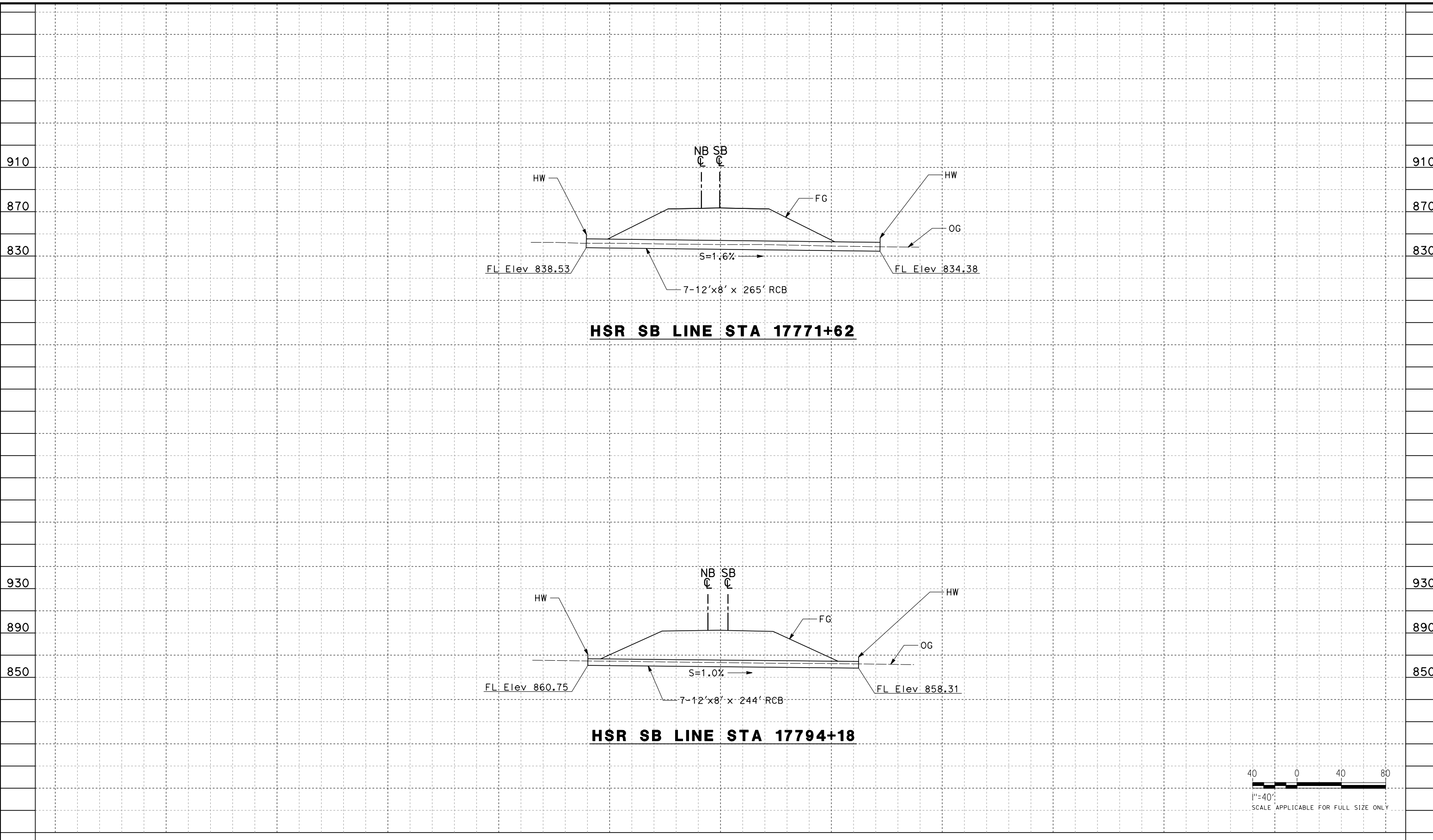
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1103
SCALE
AS SHOWN
SHEET NO.
102

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1104

4:11:11 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17772, 17794

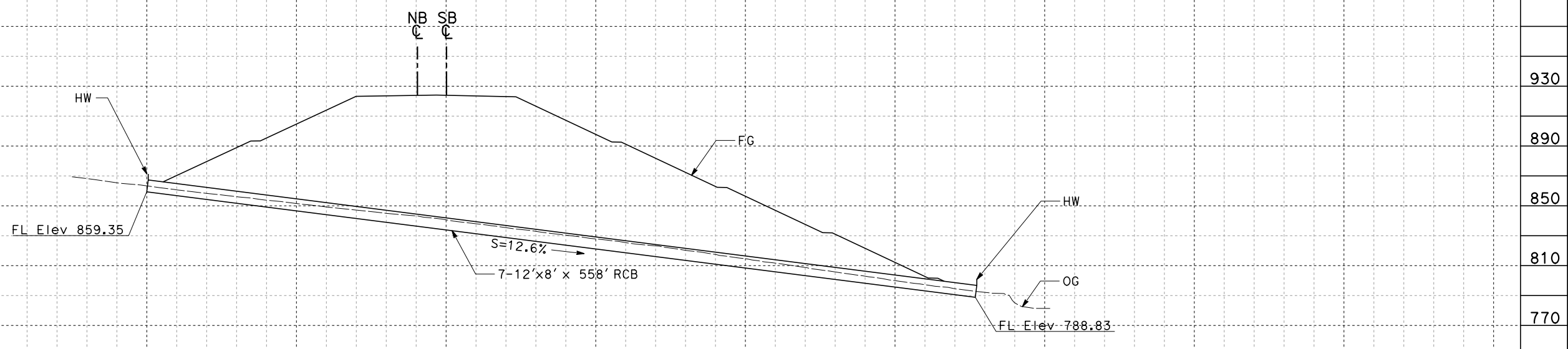
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1104
SCALE
AS SHOWN
SHEET NO.
103

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1105

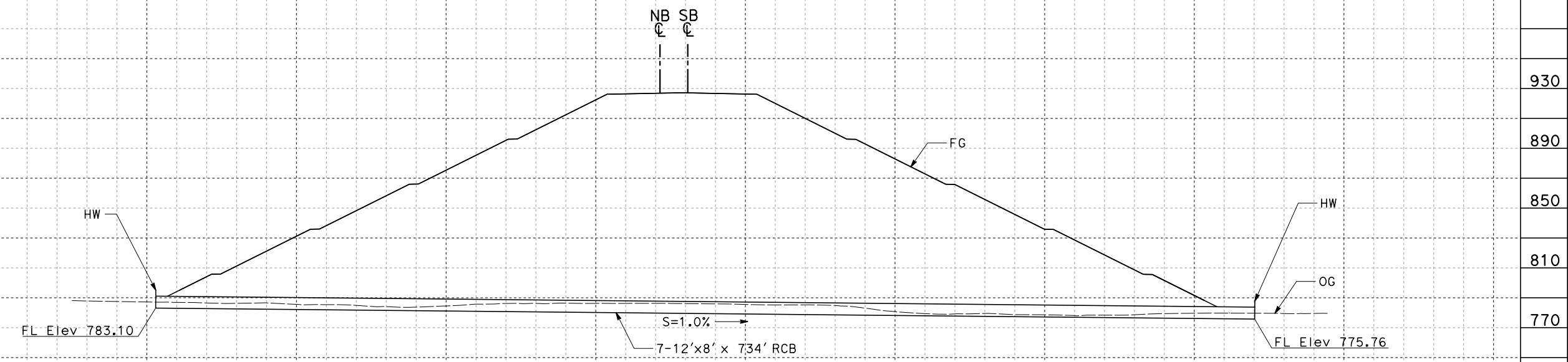
4:10:54 PM

1/13/2021

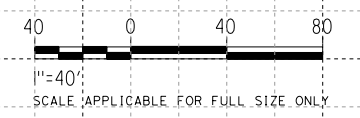
Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17829+12



HSR SB LINE STA 17833+25



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17829, 17833

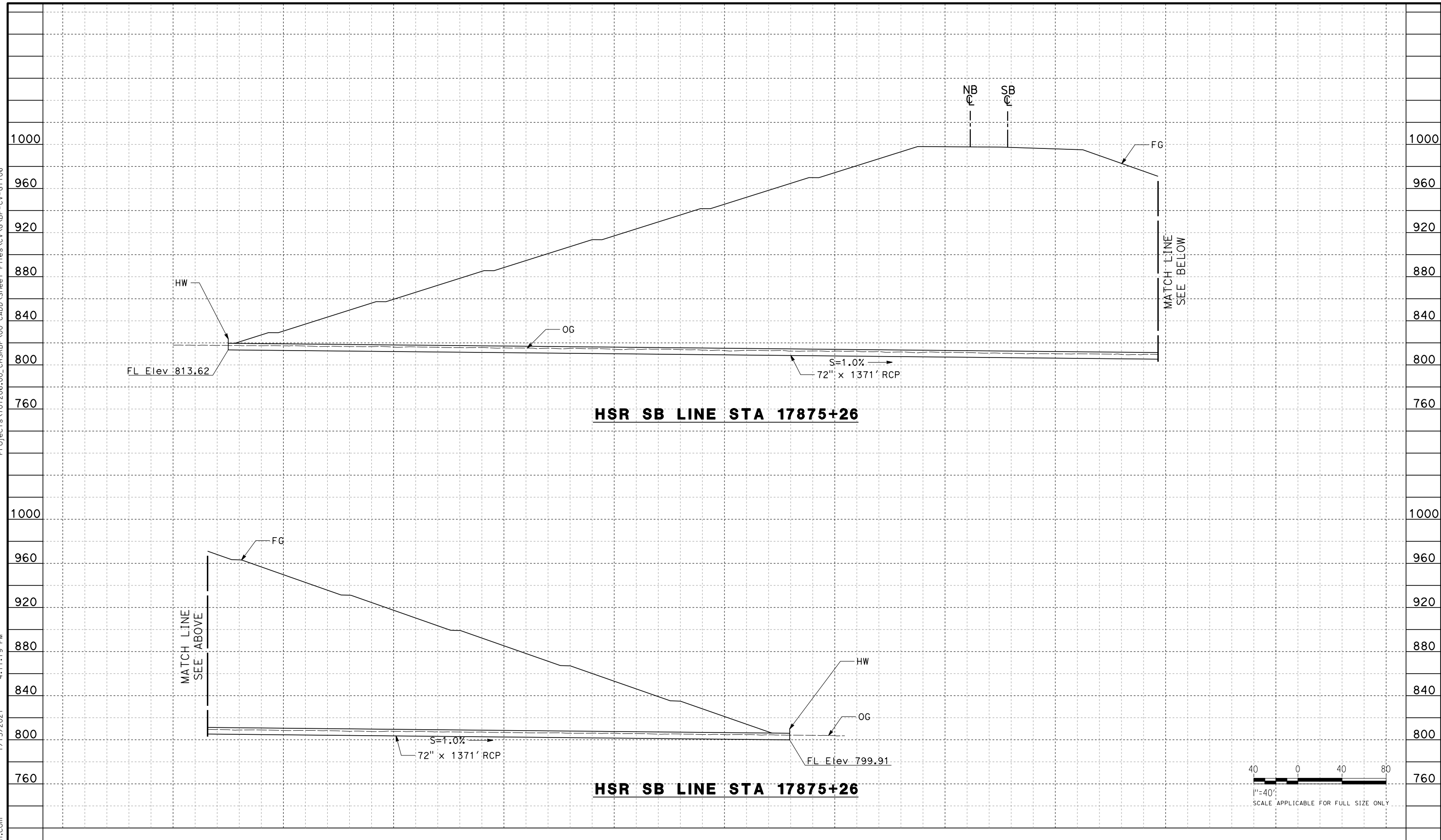
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1105
SCALE
AS SHOWN
SHEET NO.
104

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1106

1/13/2021 4:11:19 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17875

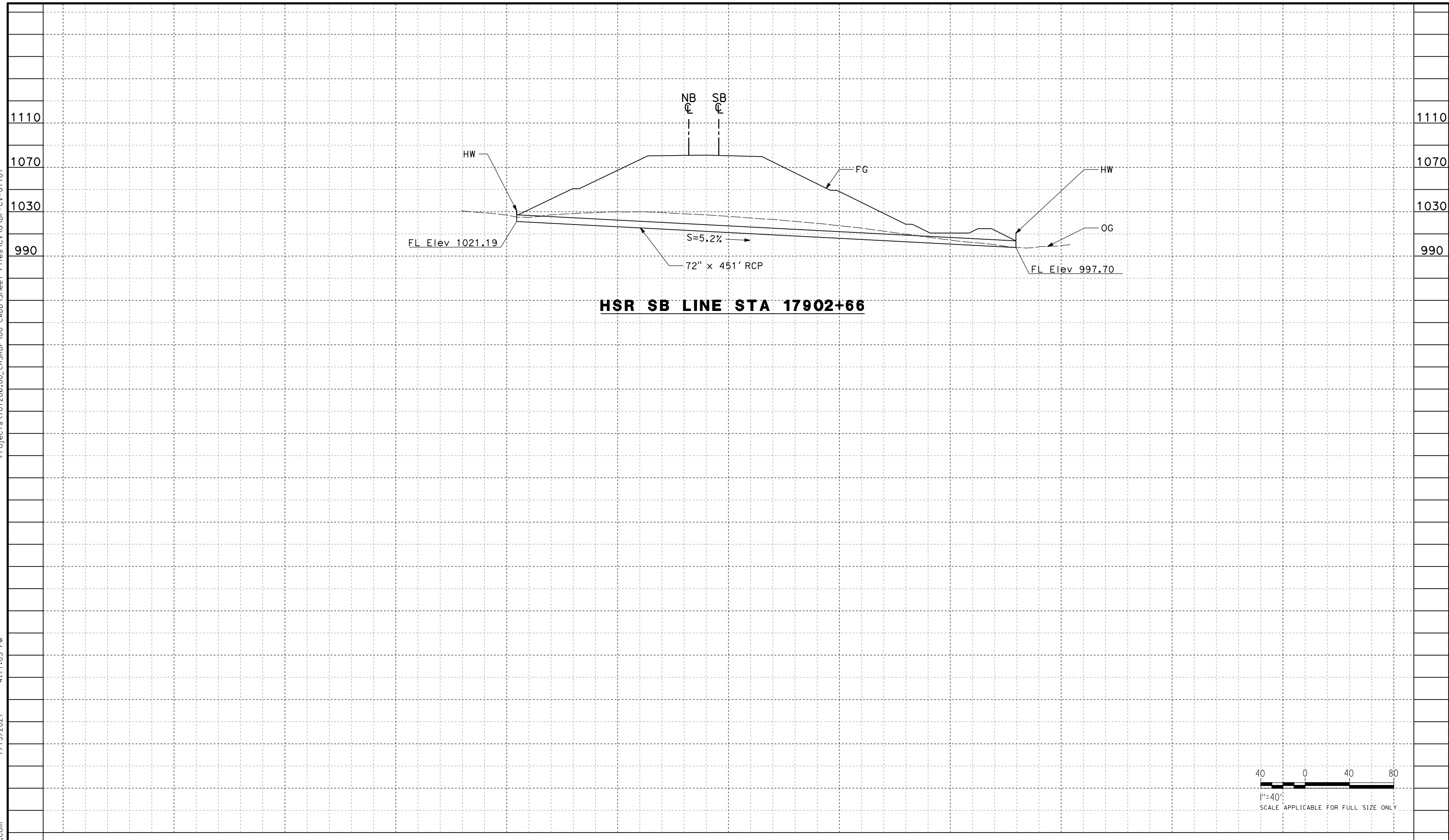
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1106
SCALE
AS SHOWN
SHEET NO.
105

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1107

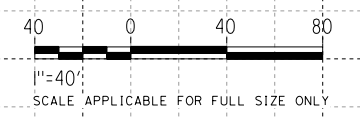
4:11:03 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 17902+66



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
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
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 17903

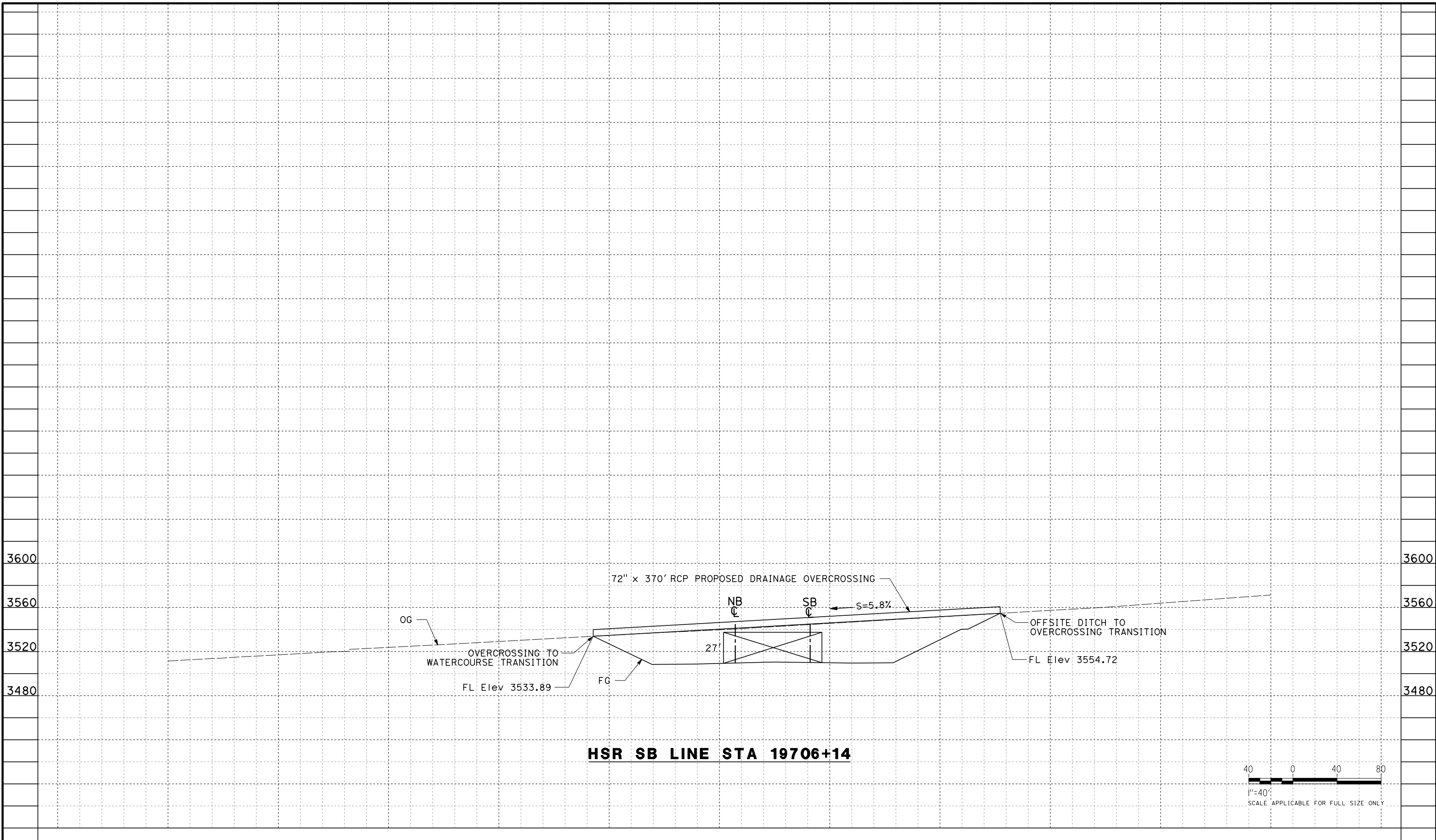
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1107
SCALE
AS SHOWN
SHEET NO.
106

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1204

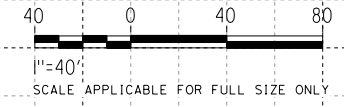
4:11:13 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 19706+14



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19706

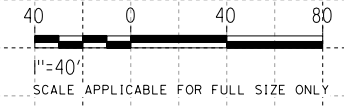
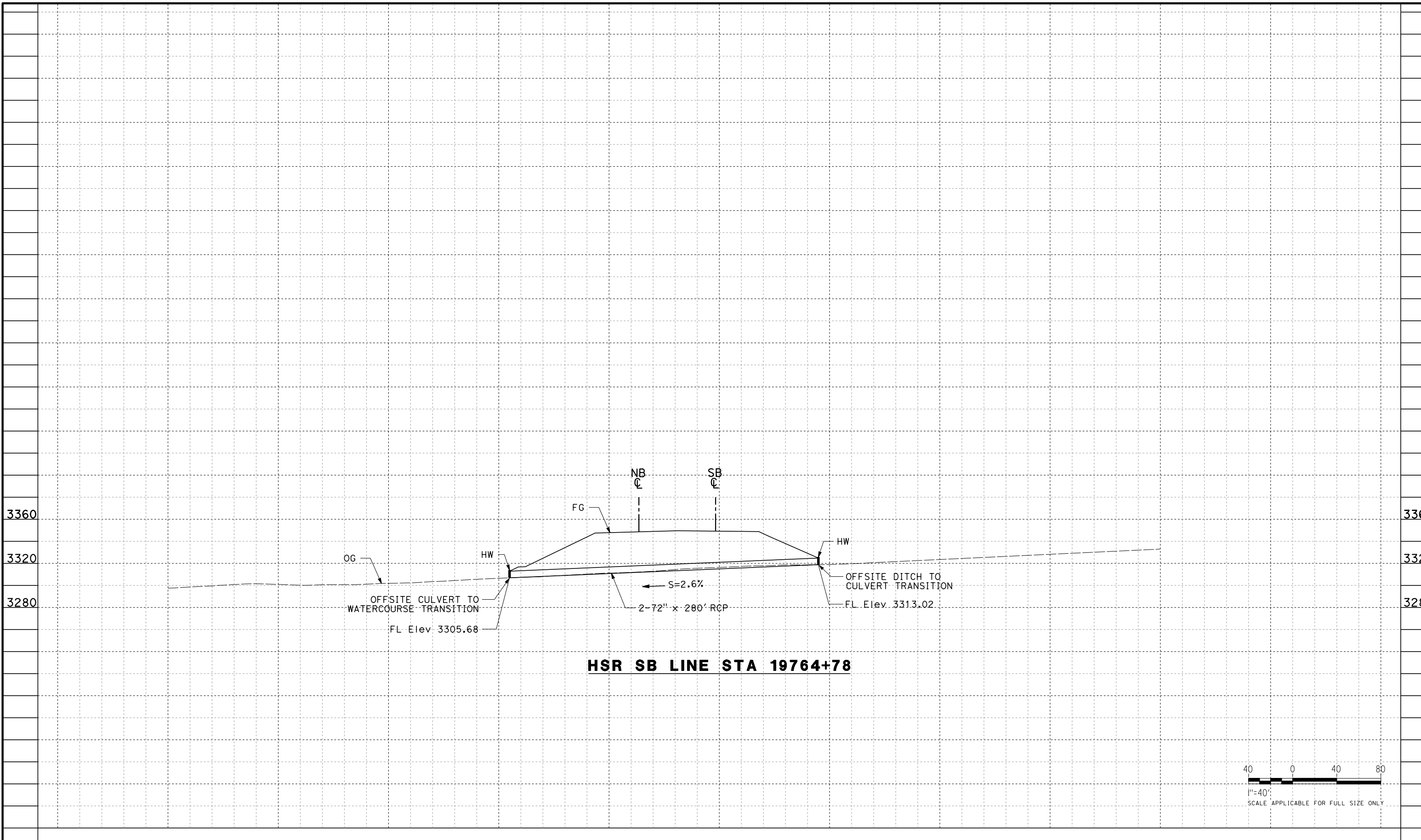
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1204
SCALE
AS SHOWN
SHEET NO.
107

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1206

4:11:20 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
A. DEL CASTILLO
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19765

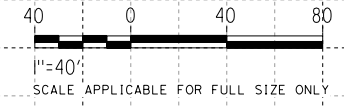
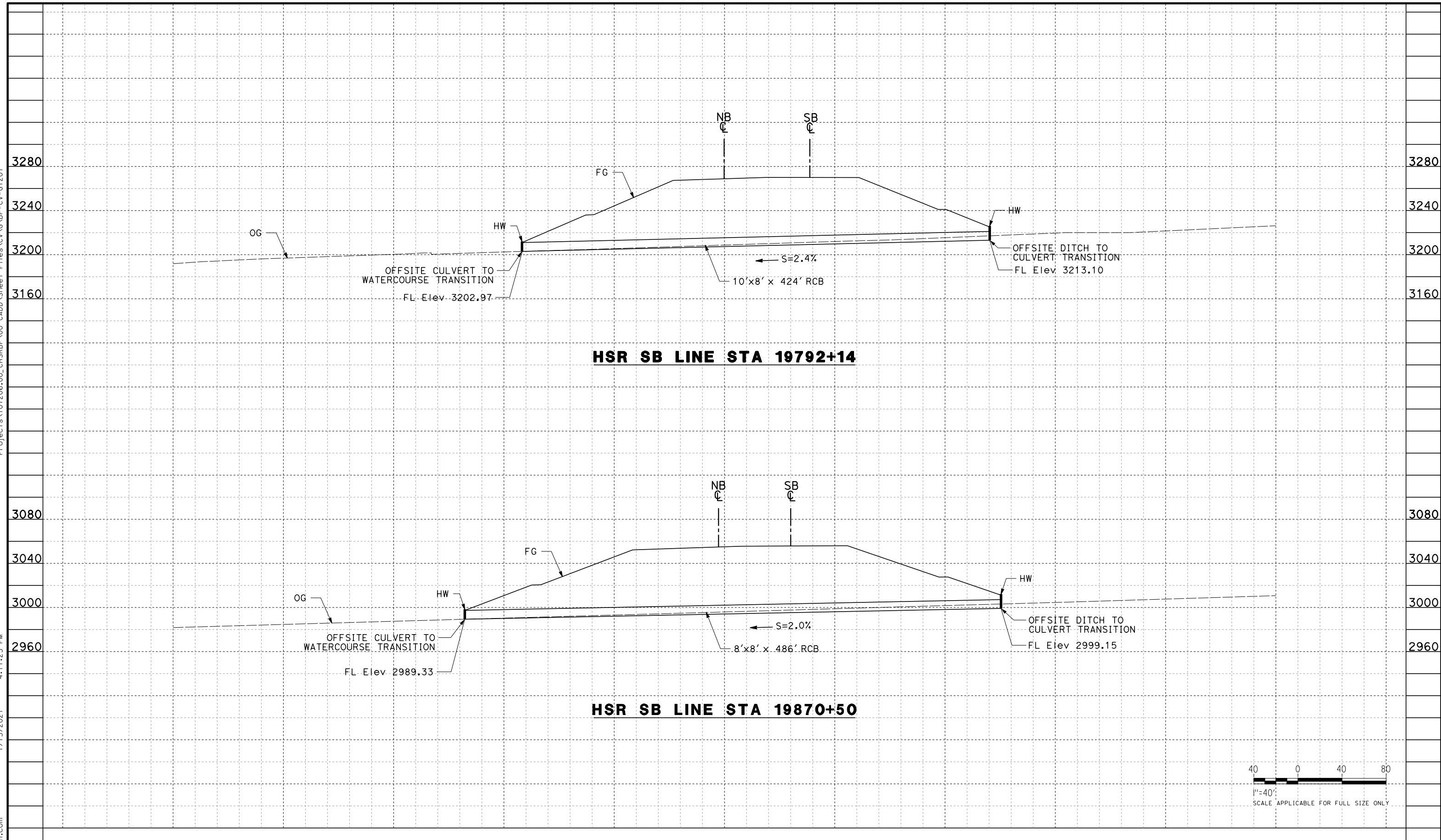
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1206
SCALE
AS SHOWN
SHEET NO.
108

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1207

4:11:23 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 3
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 19792, 19871

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1207

SCALE
AS SHOWN

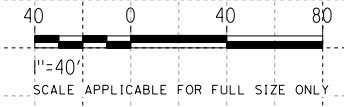
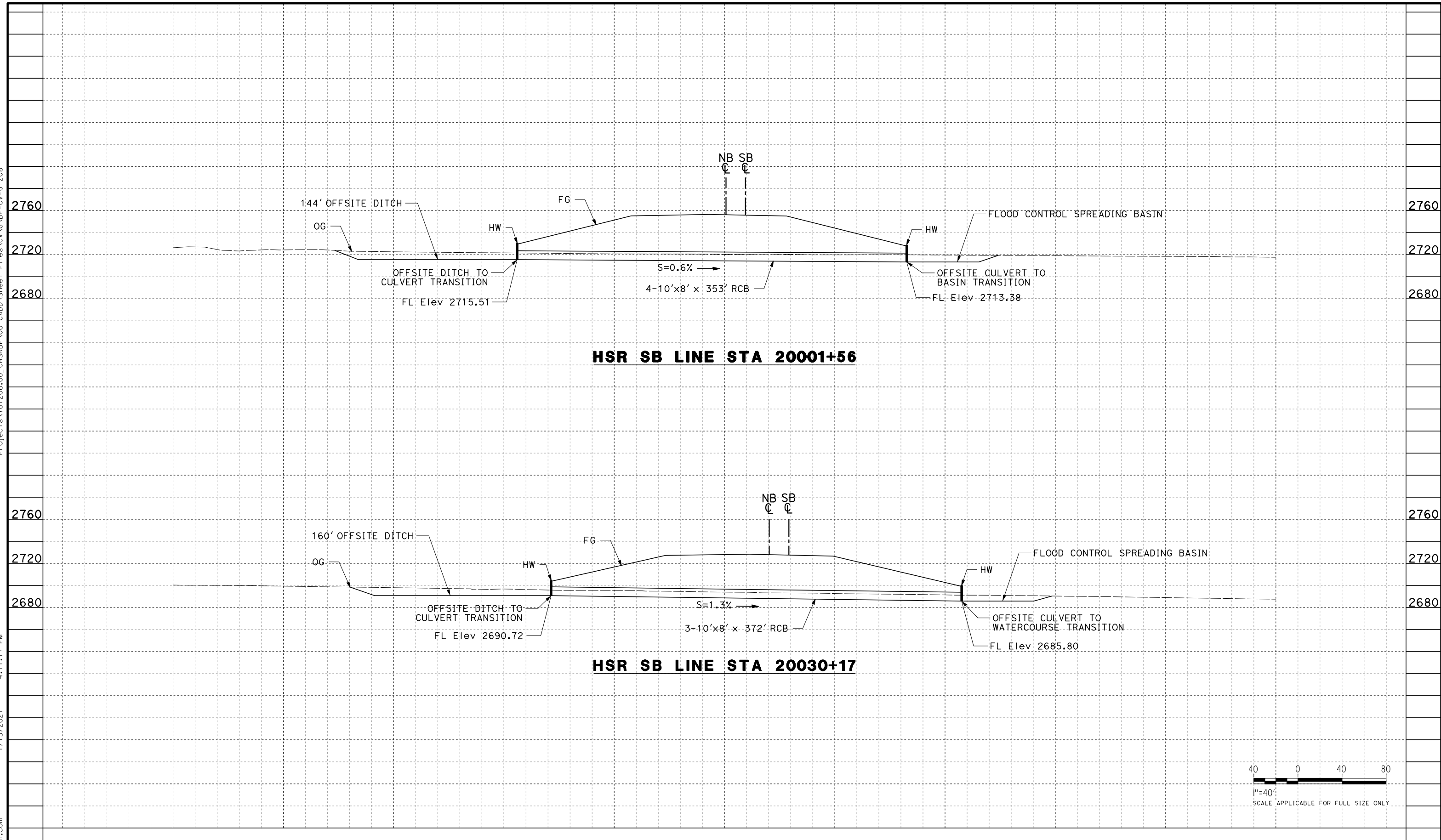
SHEET NO.
109

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1208

4:11:17 PM

1/13/2021

Glenn.Yamanaka@tylin.com



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 20002, 20030

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1208

SCALE
AS SHOWN

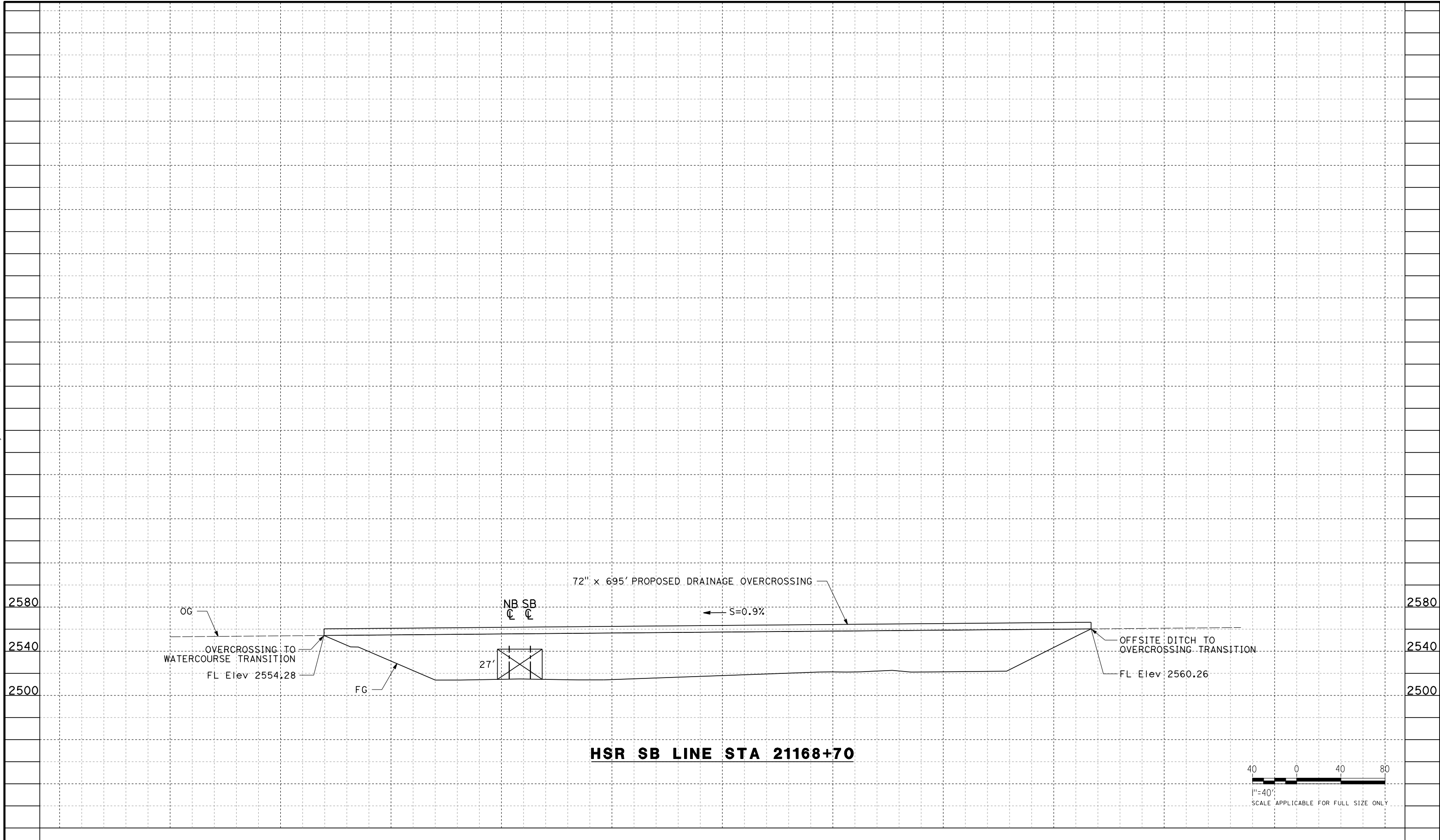
SHEET NO.
110

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1301

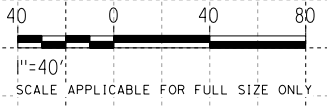
4:11:35 PM

1/13/2021

Glenn.Yamanaka@tylin.com



HSR SB LINE STA 21168+70



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
A. DEL CASTILLO

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 5
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 21169

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G1301

SCALE
AS SHOWN

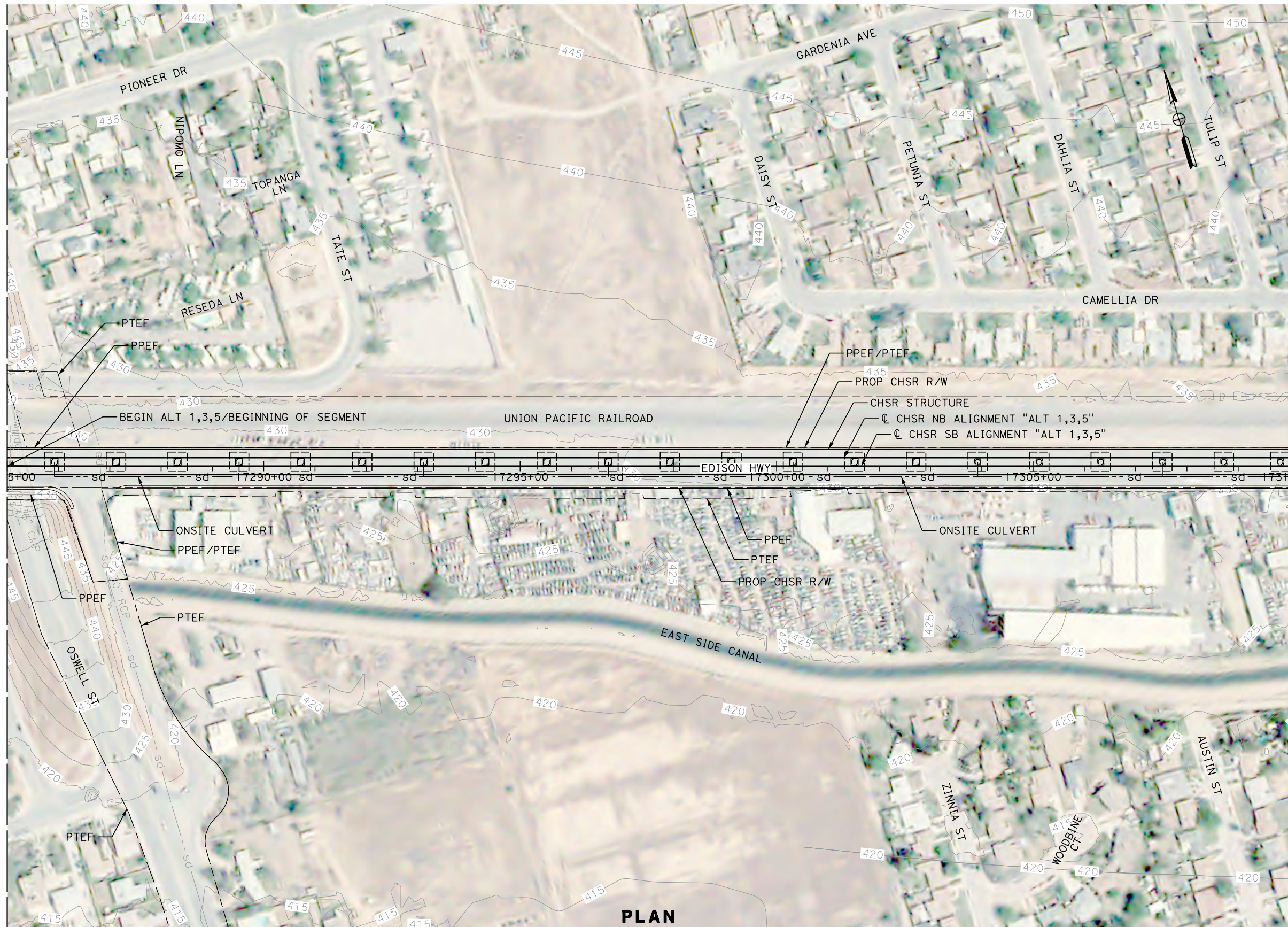
SHEET NO.
111

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4001

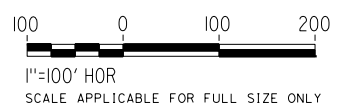
5:36:16 PM

1/13/2021

Glenn.Yamanaka@tylin.com



MATCH LINE (CV-G4002)



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

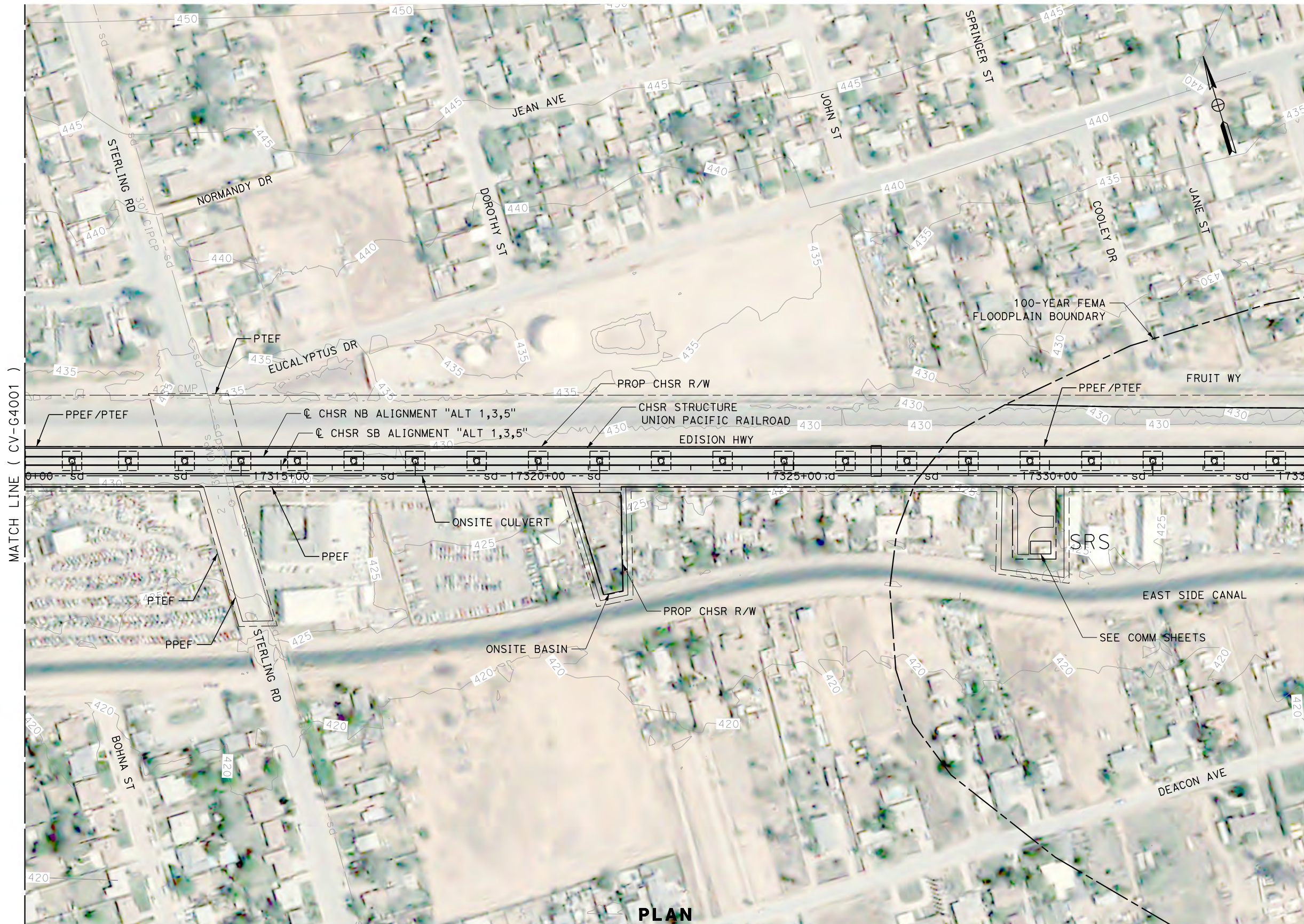
**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17285+00 TO 17310+00

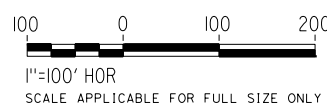
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4001
SCALE
AS SHOWN
SHEET NO.
112



MATCH LINE (CV-G4001)

MATCH LINE (CV-G4003)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17310+00 TO 17335+00

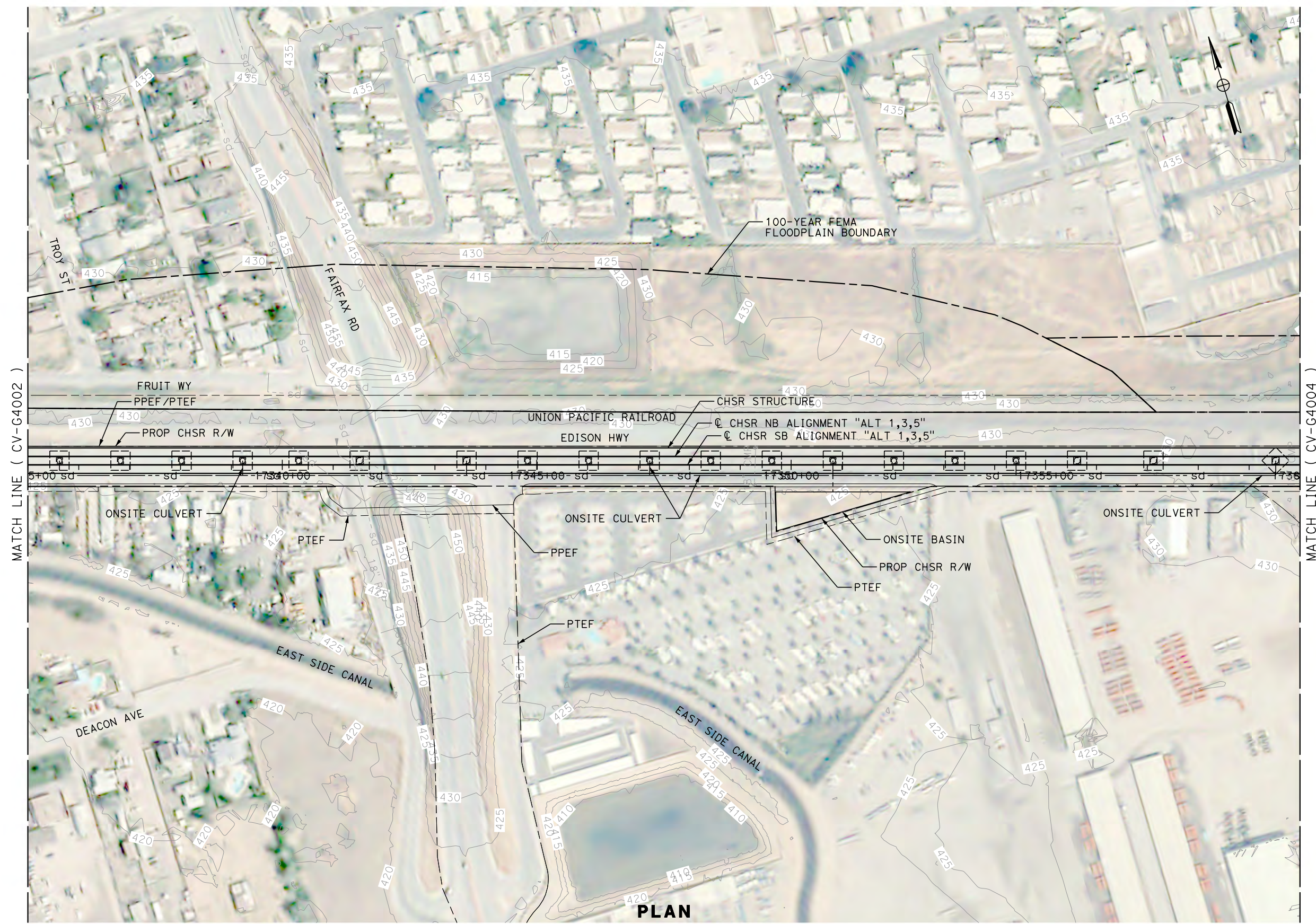
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4002
SCALE
AS SHOWN
SHEET NO.
113

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4003

5:36:14 PM

1/13/2021

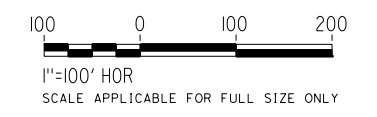
Glenn.Yamanaka@tylin.com



MATCH LINE (CV-G4002)

MATCH LINE (CV-G4004)

PLAN

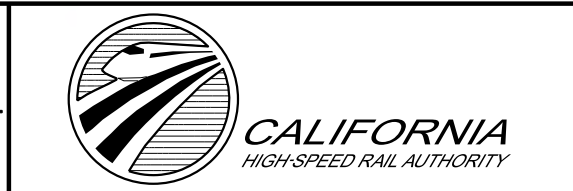


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

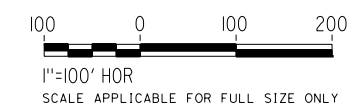
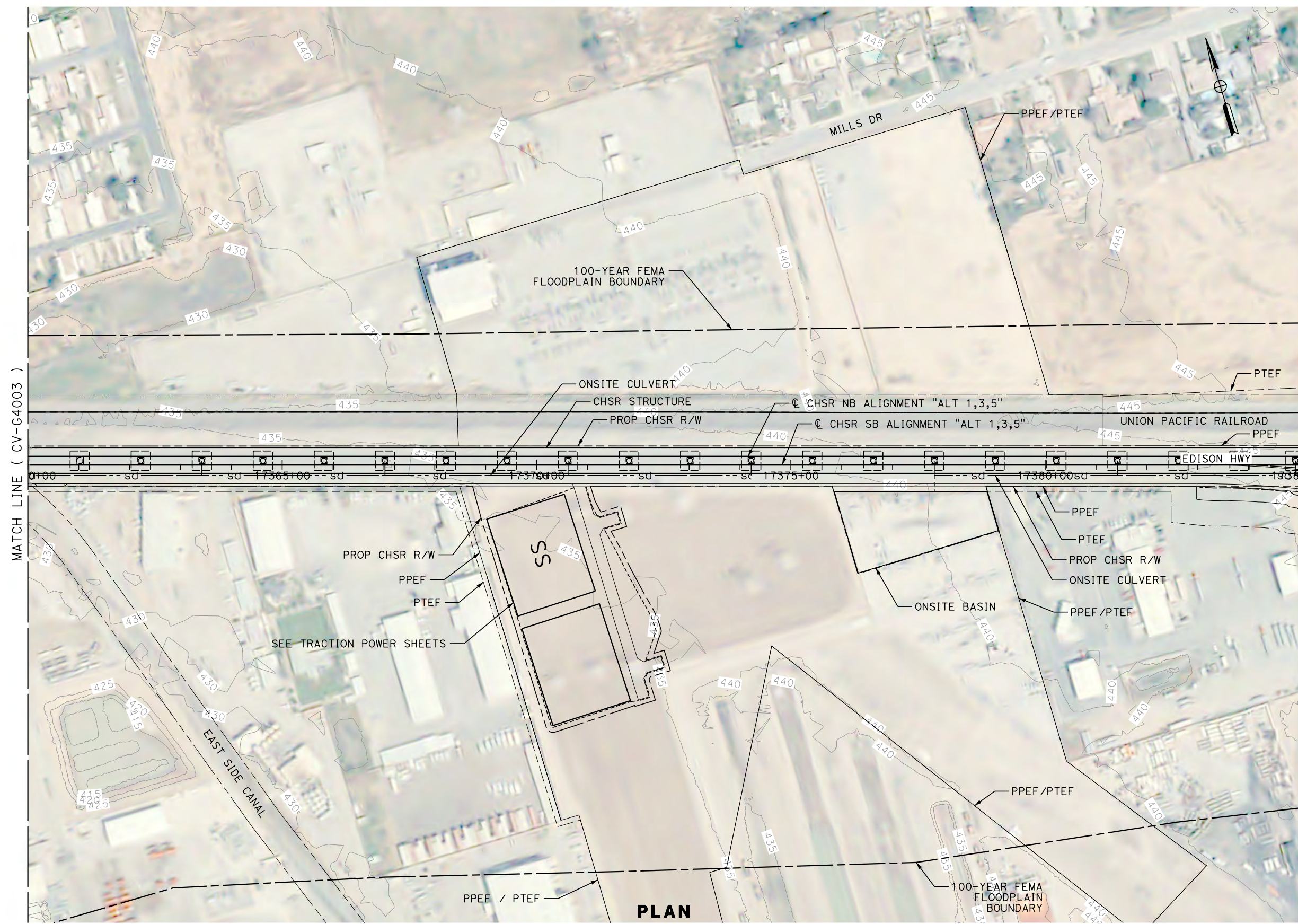
**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17335+00 TO 17360+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4003
SCALE
AS SHOWN
SHEET NO.
114



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17360+00 TO 17385+00

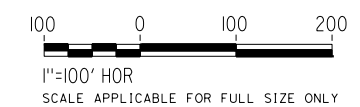
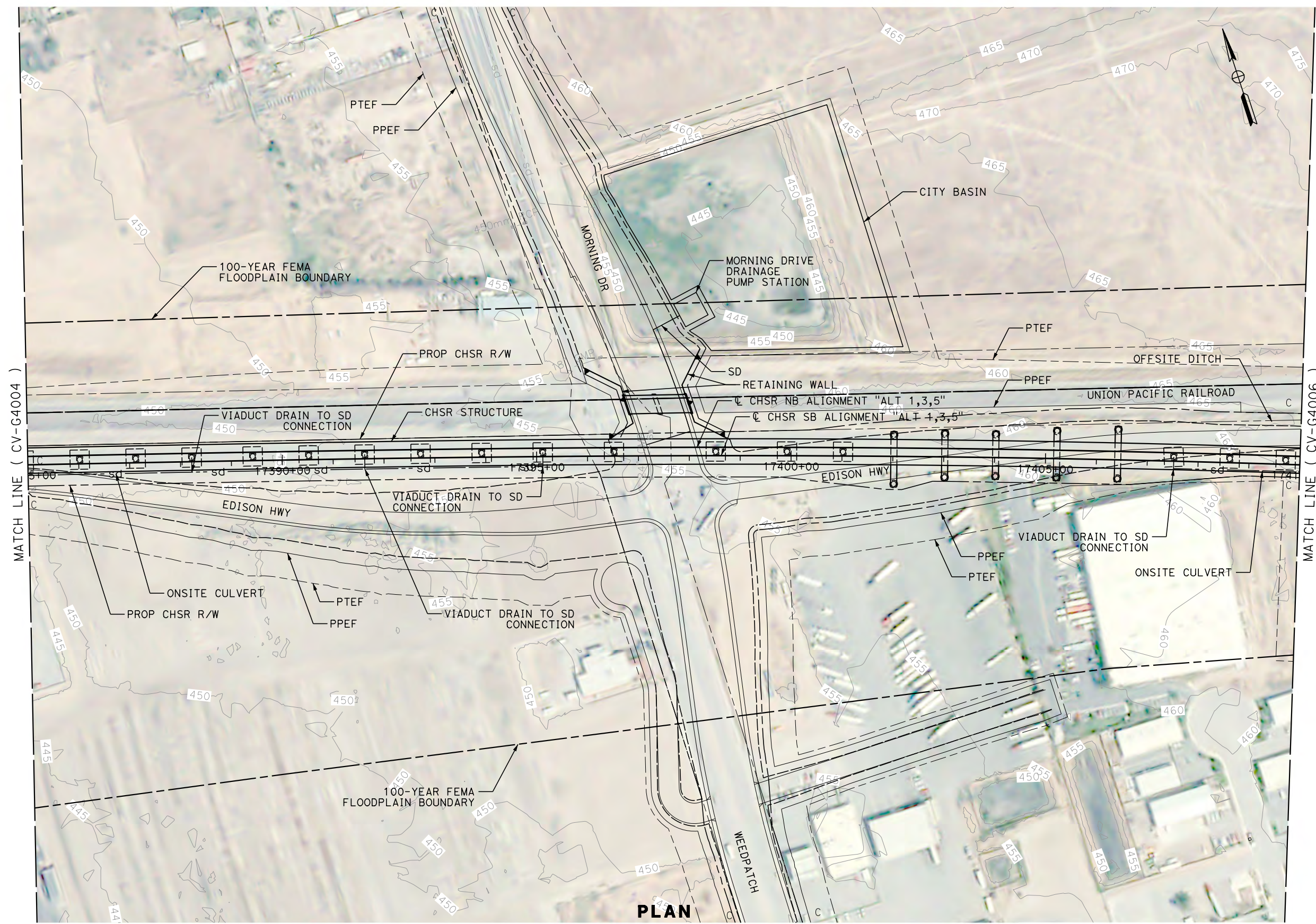
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4004
SCALE
AS SHOWN
SHEET NO.
115

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4005

5:36:16 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17385+00 TO 17410+00

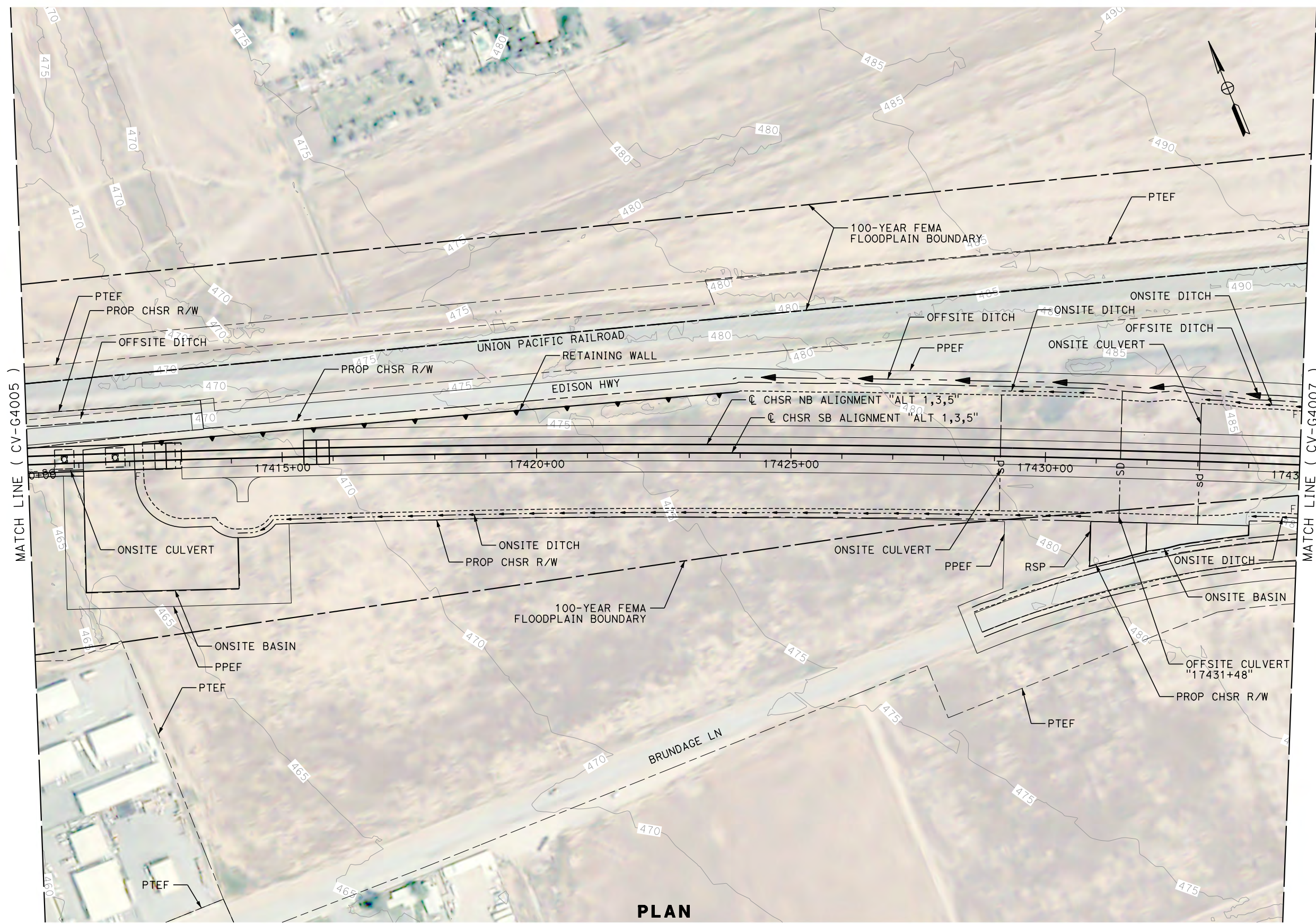
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4005
SCALE
AS SHOWN
SHEET NO.
116

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4006

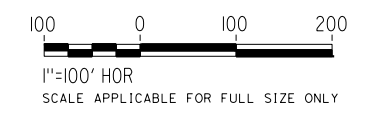
5:37:48 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17410+00 TO 17435+00

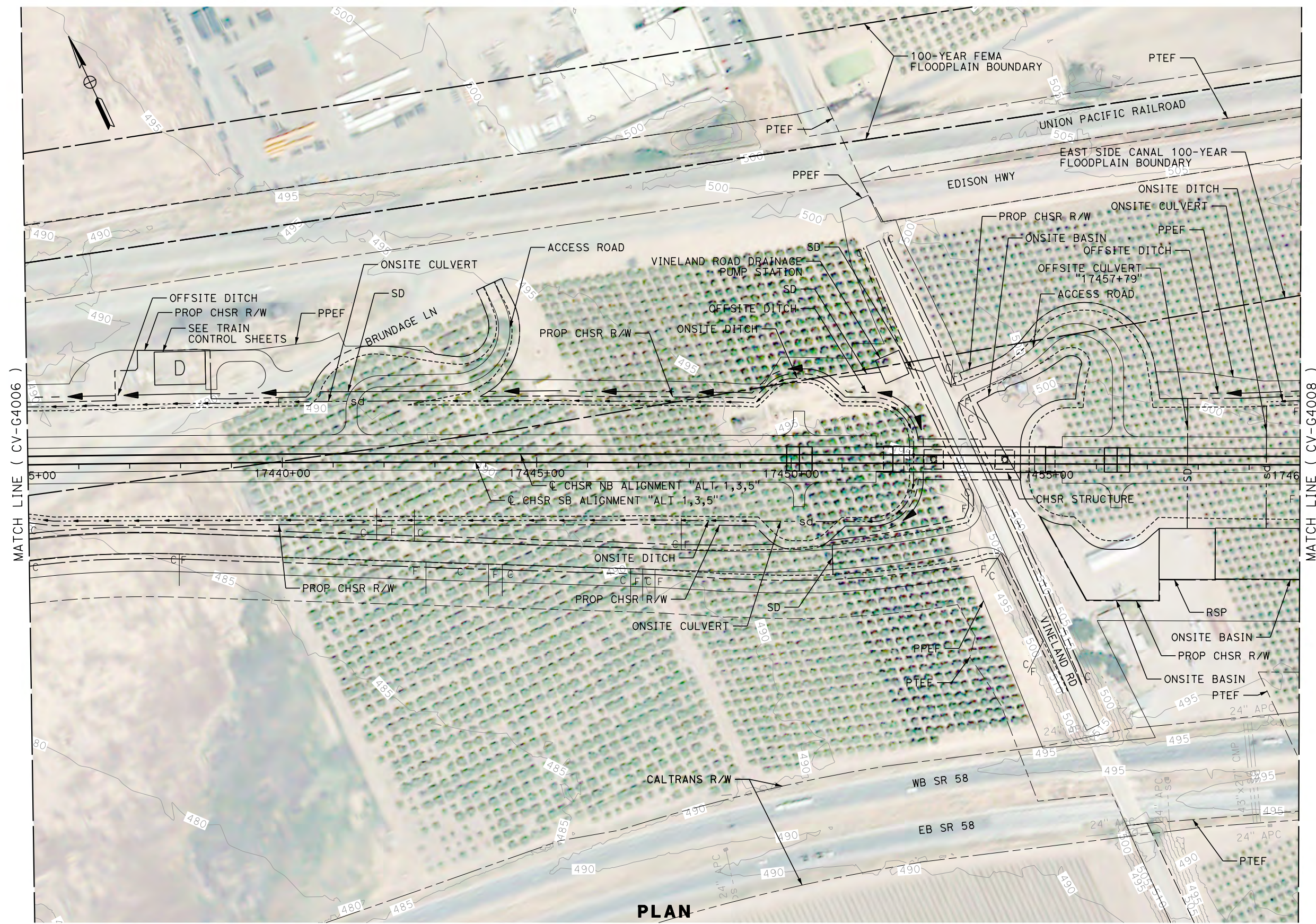
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4006
SCALE
AS SHOWN
SHEET NO.
117

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4007

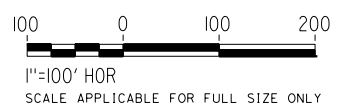
5:36:10 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17435+00 TO 17460+00

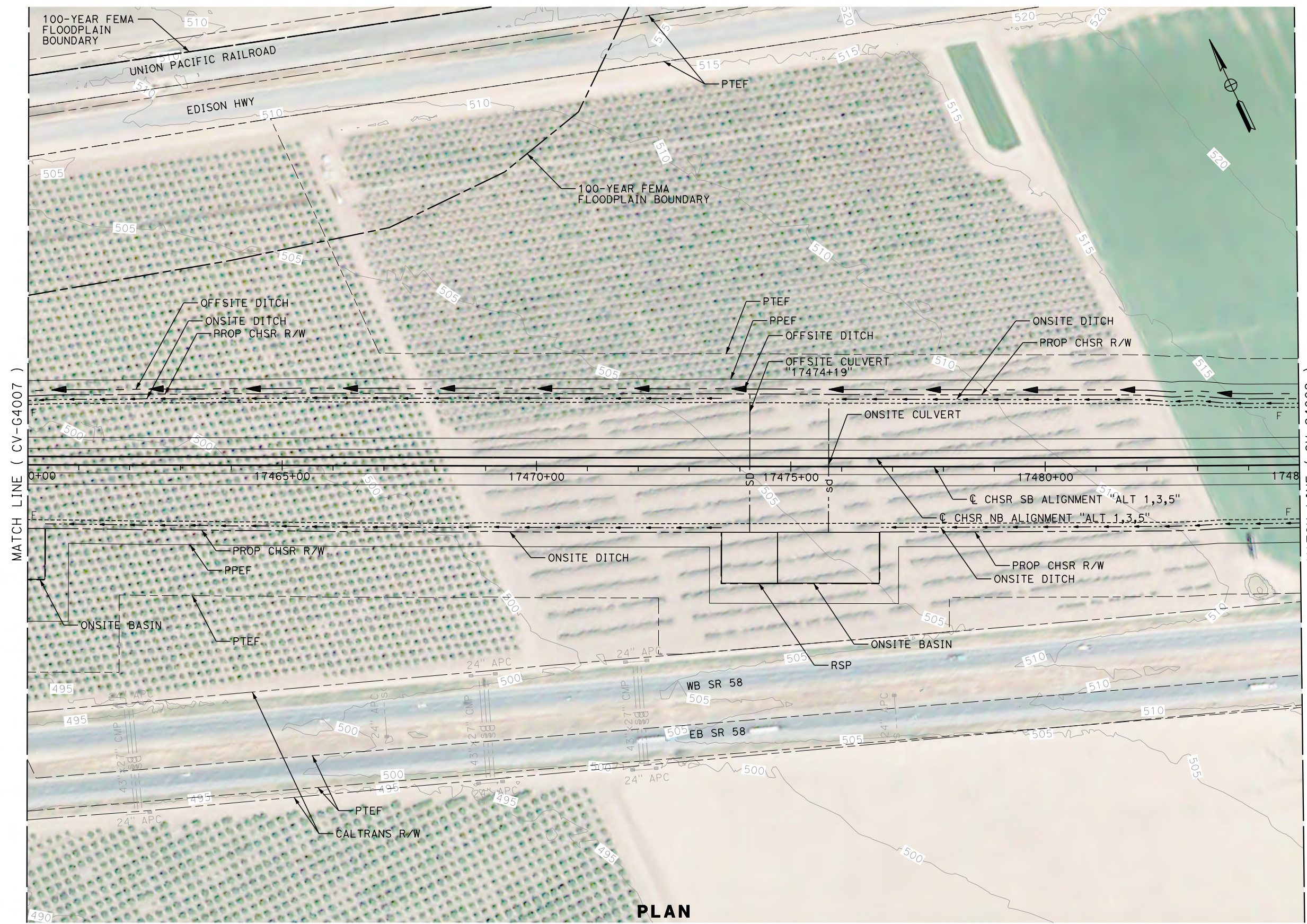
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4007
SCALE
AS SHOWN
SHEET NO.
118

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4008

5:37:39 PM

1/13/2021

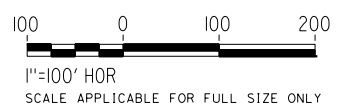
Glenn.Yamanaka@tylin.com



MATCH LINE (CV-G4007)

MATCH LINE (CV-G4009)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17460+00 TO 17485+00

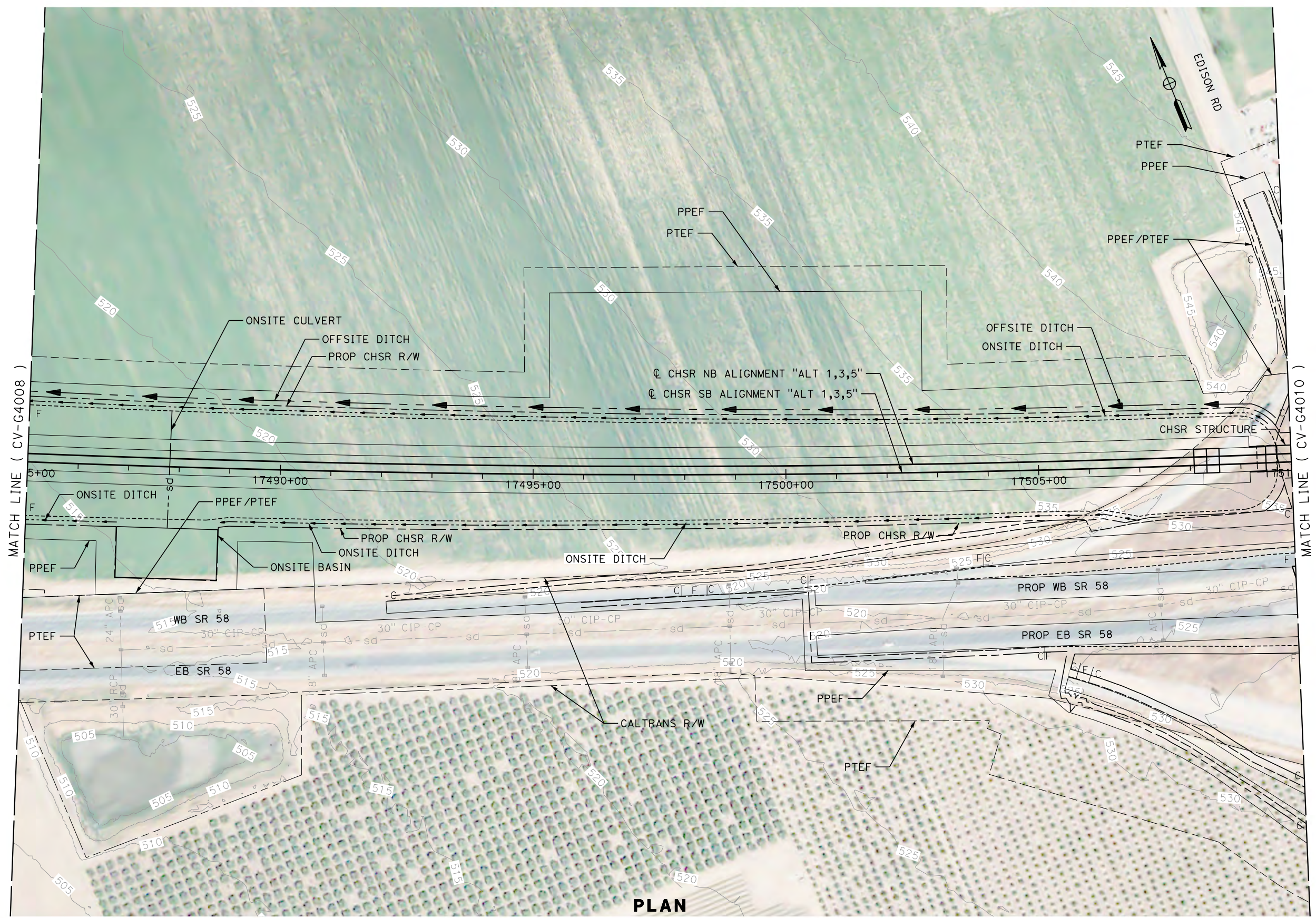
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4008
SCALE
AS SHOWN
SHEET NO.
119

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4009

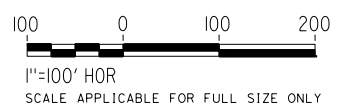
1/13/2021 11:11:07 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17485+00 TO 17510+00

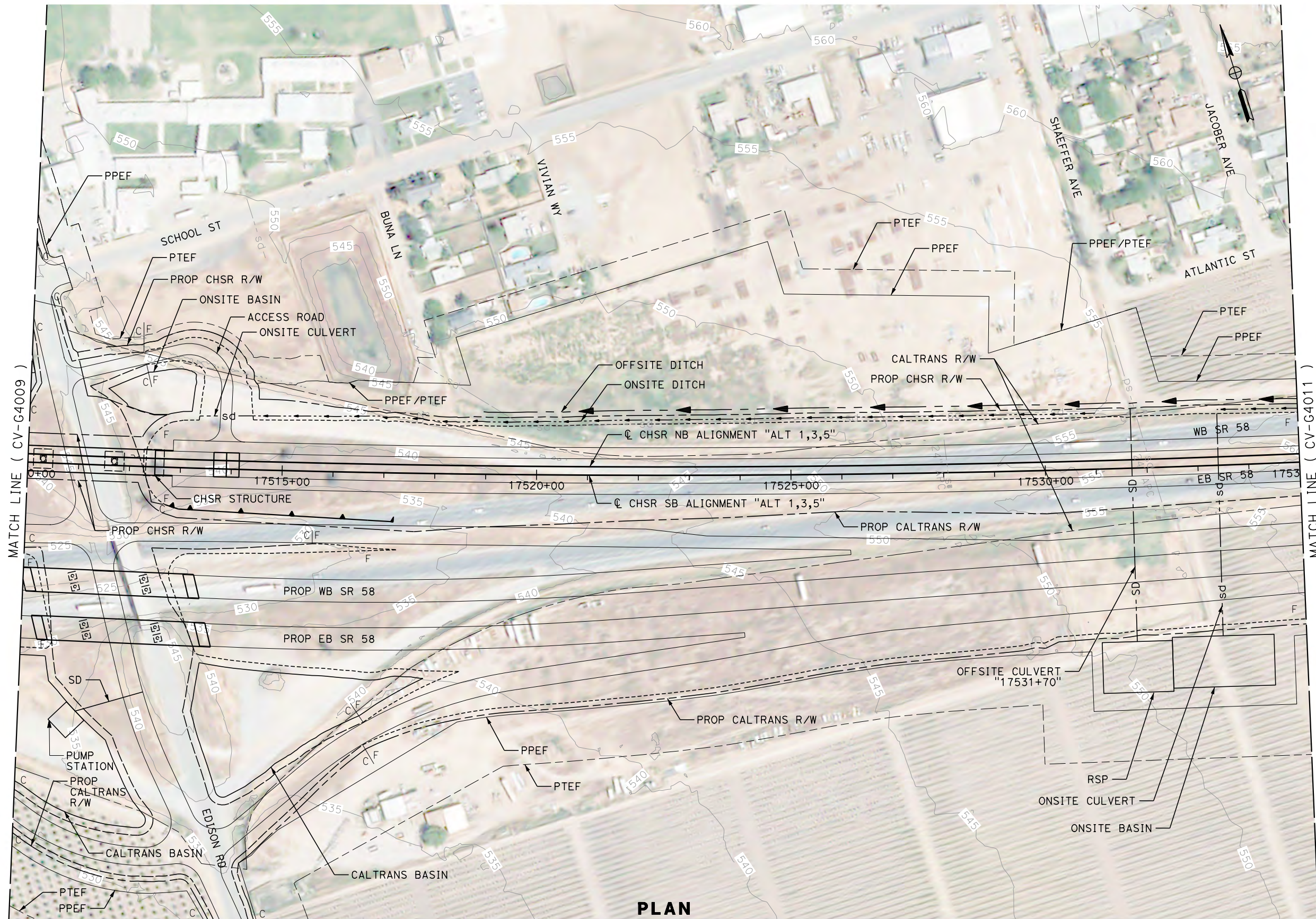
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4009
SCALE
AS SHOWN
SHEET NO.
120

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4010

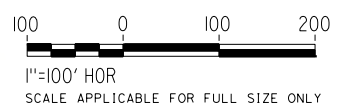
11:10:47 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

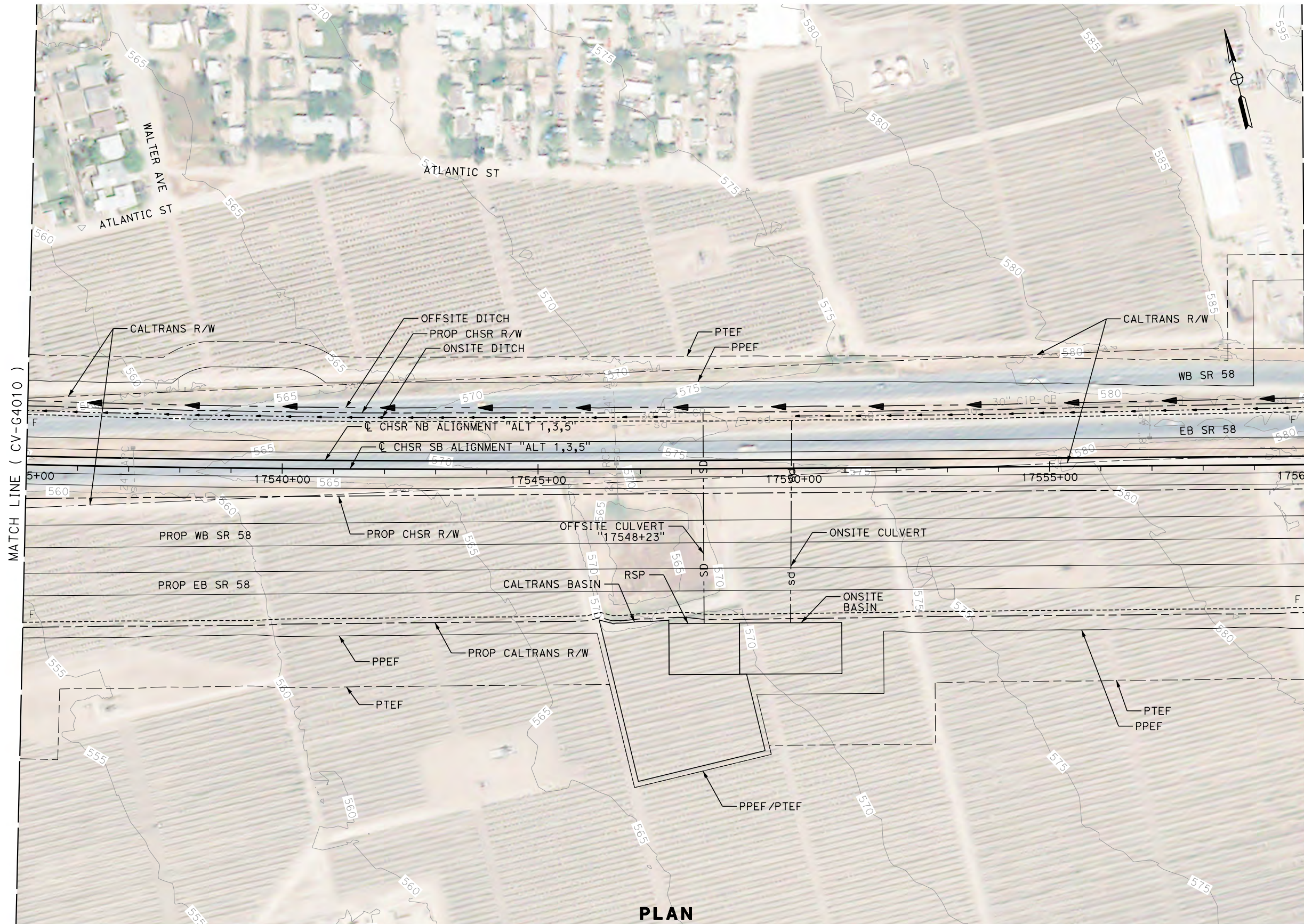
**NOT FOR
CONSTRUCTION**



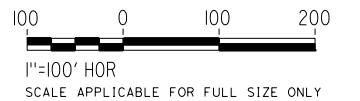
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17510+00 TO 17535+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4010
SCALE
AS SHOWN
SHEET NO.
121



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17535+00 TO 17560+00

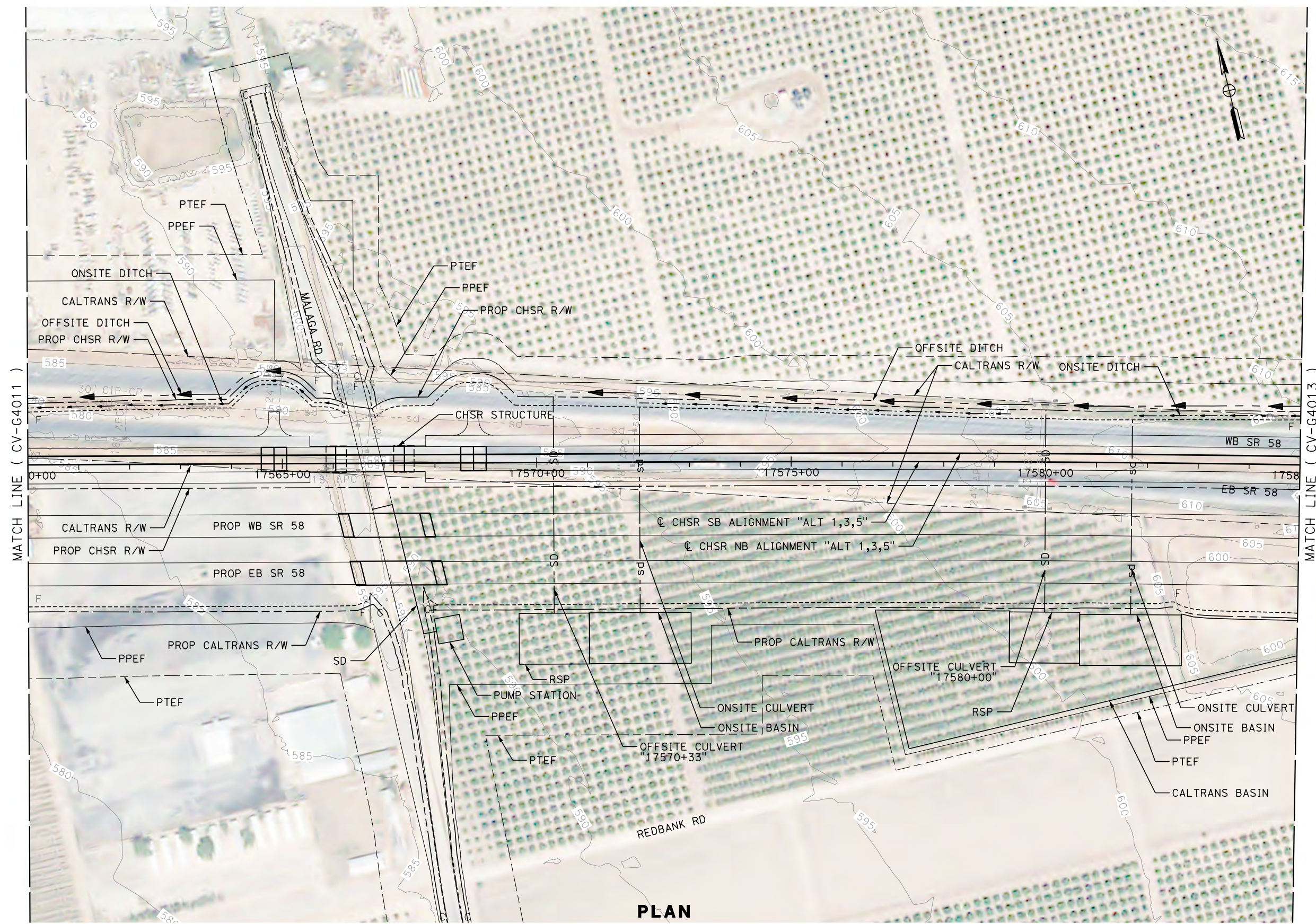
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4011
SCALE
AS SHOWN
SHEET NO.
122

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4012

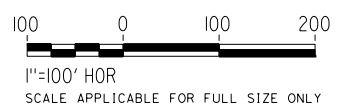
11:10:47 PM

1/13/2021

Glenn.Yamanaka@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

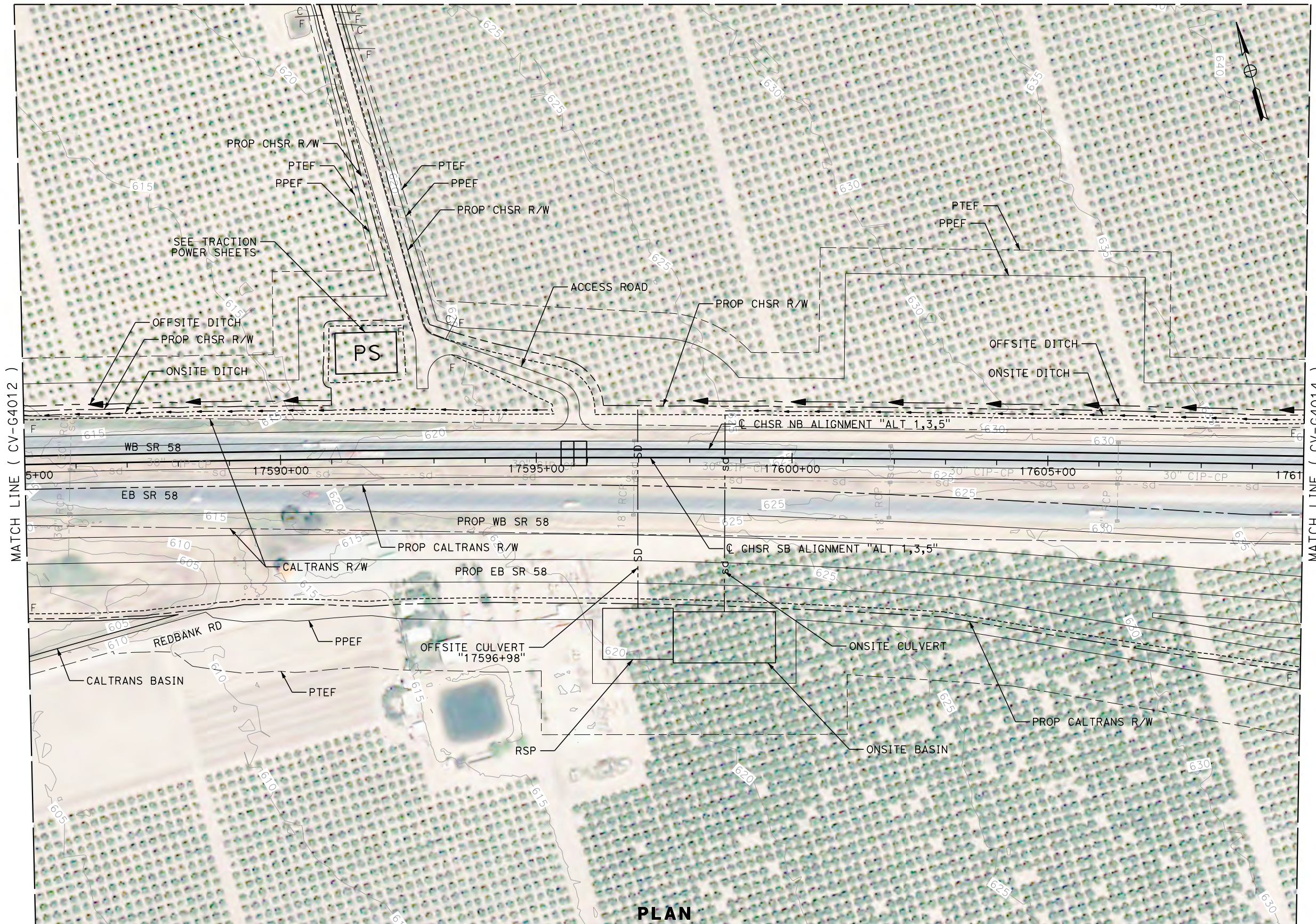


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17560+00 TO 17585+00

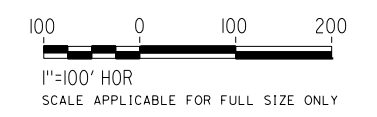
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4012
SCALE
AS SHOWN
SHEET NO.
123

MATCH LINE (CV-G4174)



MATCH LINE (CV-G4012)

MATCH LINE (CV-G4014)



PLAN

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4013

1/13/2021 11:11:35 PM

1/13/2021

Glenn.Yamanaka@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

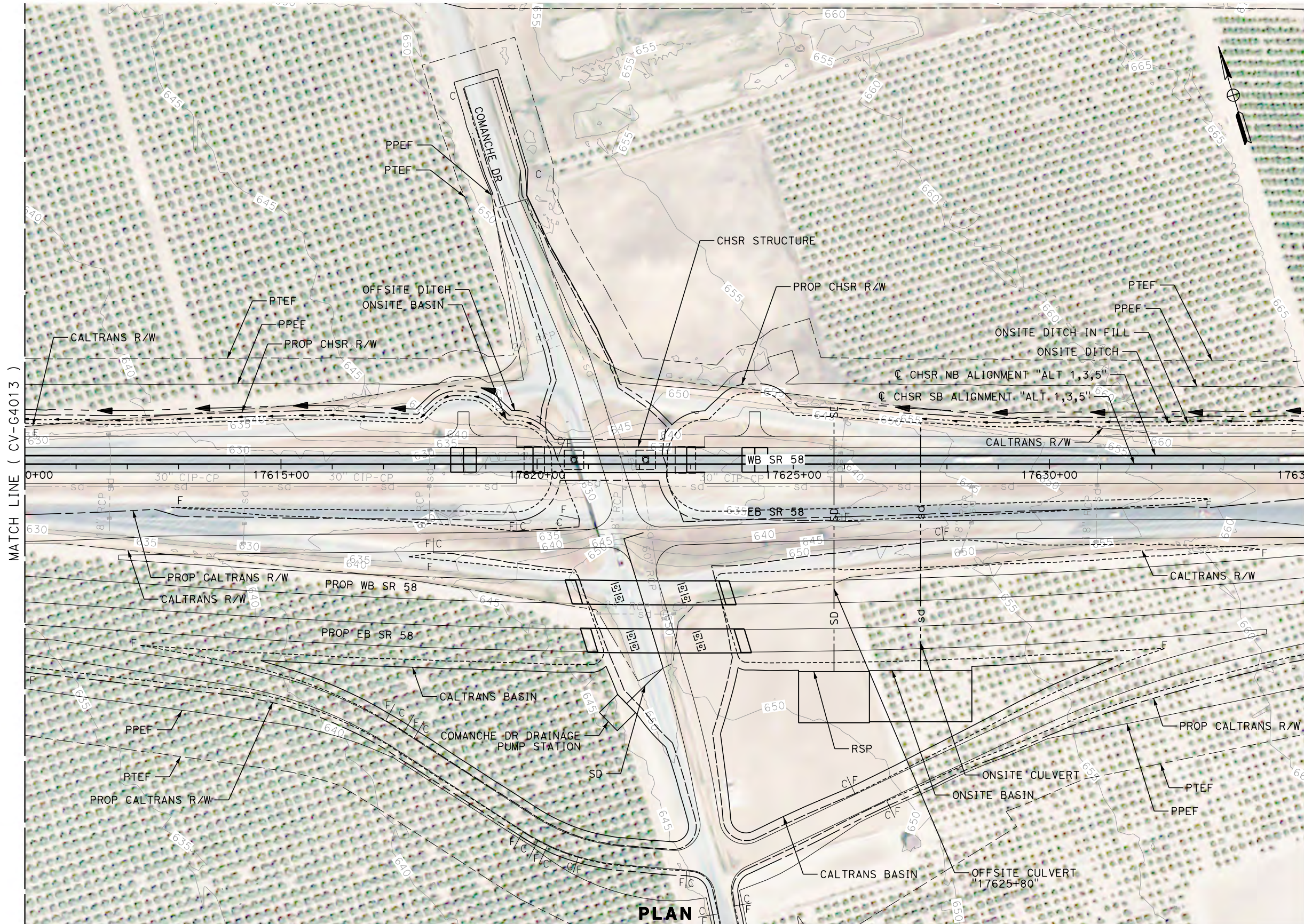
**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17585+00 TO 17610+00

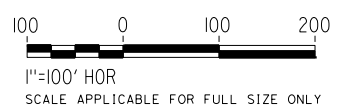
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4013
SCALE
AS SHOWN
SHEET NO.
124



MATCH LINE (CV-G4013)

MATCH LINE (CV-G4015)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

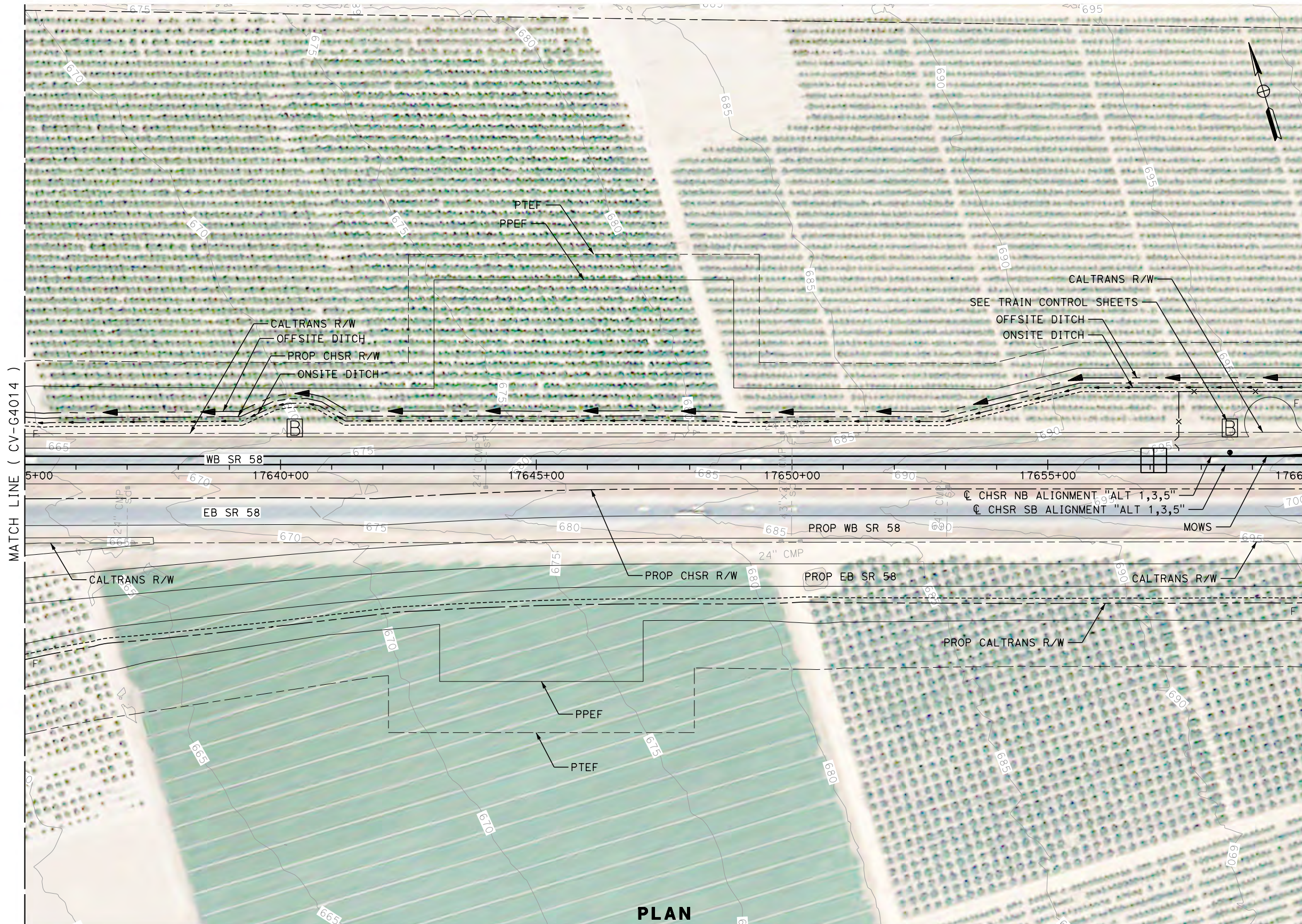
RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17610+00 TO 17635+00

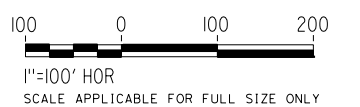
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4014
SCALE
AS SHOWN
SHEET NO.
125



MATCH LINE (CV-G4014)

MATCH LINE (CV-G4016)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

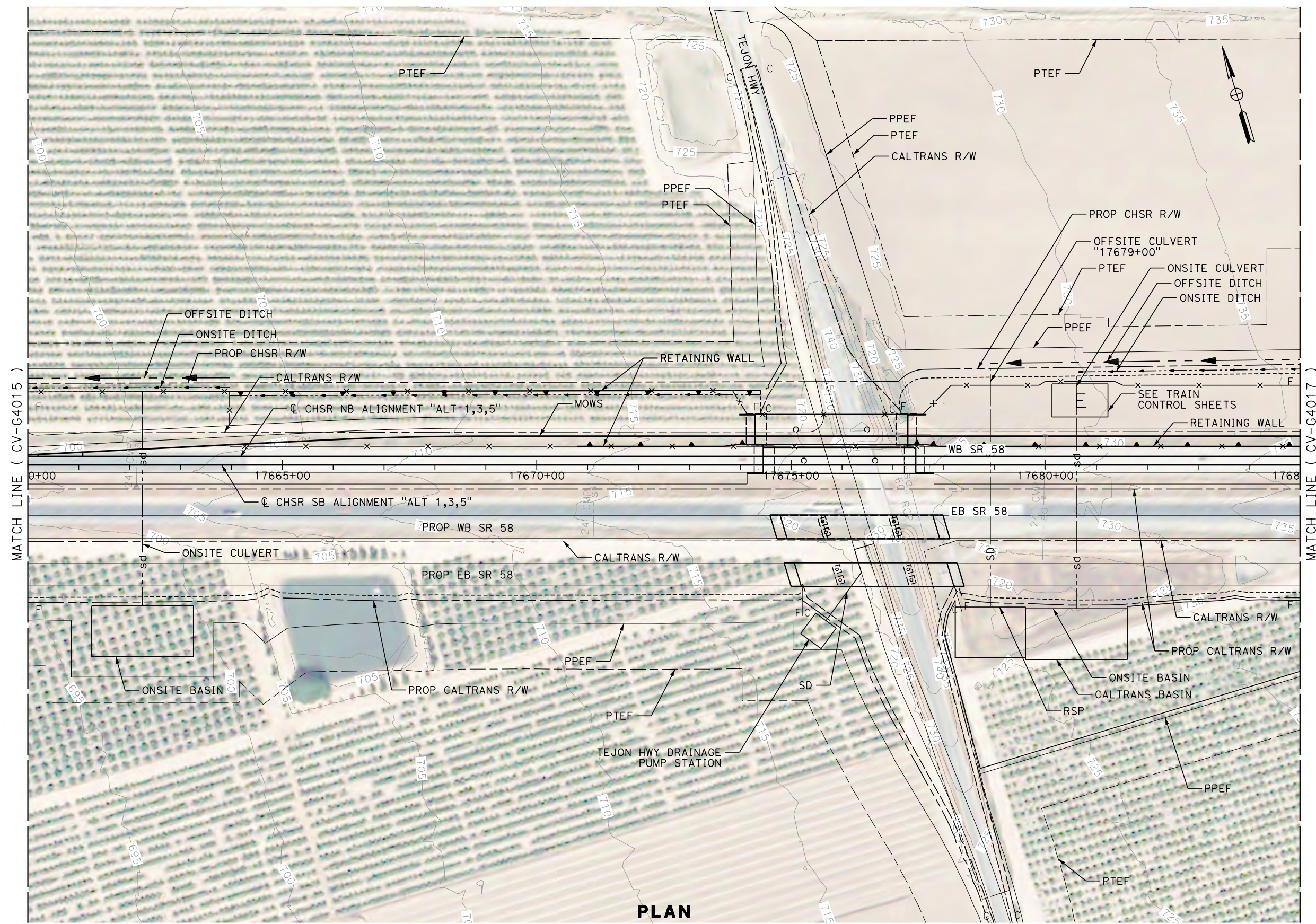
**NOT FOR
CONSTRUCTION**



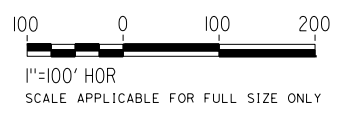
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17635+00 TO 17660+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4015
SCALE
AS SHOWN
SHEET NO.
126



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
V. CERON
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
PLAN
STA 17660+00 TO 17685+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4016
SCALE
AS SHOWN
SHEET NO.
127